

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122719\
 Data File : VD064648.D
 Acq On : 27 Dec 2019 16:48
 Operator : VA/SY
 Sample : K6431-11MSD
 Misc : 5.41G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MSD

Manual Integrations
 APPROVED

apatel
 12/30/2019 11:03:10 AM

Quant Time: Dec 30 03:32:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	406910	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	589089	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	525031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	270671	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	184124	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
35) Dibromofluoromethane	7.92	113	188261	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
50) Toluene-d8	10.34	98	708737	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
62) 4-Bromofluorobenzene	12.64	95	227447	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	148433	46.938	ug/l	95
3) Chloromethane	2.21	50	218512	49.408	ug/l	98
4) Vinyl Chloride	2.35	62	262324	48.647	ug/l	98
5) Bromomethane	2.77	94	191465	48.833	ug/l	97
6) Chloroethane	2.92	64	185033	51.210	ug/l	100
7) Trichlorofluoromethane	3.27	101	454673	50.076	ug/l	100
8) Diethyl Ether	3.71	74	91065	50.507	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	179932	47.851	ug/l	99
10) Methyl Iodide	4.29	142	205547	50.890	ug/l	100
11) Tert butyl alcohol	5.26	59	56868	276.549	ug/l	96
12) 1,1-Dichloroethene	4.06	96	171508	47.908	ug/l	96
13) Acrolein	3.92	56	72432	252.744	ug/l	100
14) Allyl chloride	4.71	41	277823	49.775	ug/l	99
15) Acrylonitrile	5.43	53	192404	256.192	ug/l	99
16) Acetone	4.17	43	188425	249.348	ug/l	95
17) Carbon Disulfide	4.40	76	549339	47.457	ug/l	100
18) Methyl Acetate	4.73	43	100517	49.760	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	406317	51.099	ug/l	99
20) Methylene Chloride	4.96	84	196678	53.986	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	203060	49.806	ug/l	98
22) Diisopropyl ether	6.37	45	565786	50.821	ug/l	98
23) Vinyl Acetate	6.31	43	1668111	264.139	ug/l	100
24) 1,1-Dichloroethane	6.27	63	338787	50.690	ug/l	97
25) 2-Butanone	7.23	43	260111	263.730	ug/l	99
26) 2,2-Dichloropropane	7.21	77	296790	47.762	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	221446	50.328	ug/l	100
28) Bromochloromethane	7.55	49	144907	55.775	ug/l	97
29) Tetrahydrofuran	7.57	42	157321	256.498	ug/l	99
30) Chloroform	7.71	83	354964	50.622	ug/l	99
31) Cyclohexane	7.99	56	299225	44.726	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	325152	49.369	ug/l	99
36) 1,1-Dichloropropene	8.11	75	276633	48.789	ug/l	99
37) Ethyl Acetate	7.30	43	108366	48.650	ug/l #	95
38) Carbon Tetrachloride	8.10	117	296761	49.085	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	328040	47.768	ug/l	99
40) Benzene	8.36	78	779068	50.333	ug/l	99
41) Methacrylonitrile	7.53	41	64378	49.814	ug/l	93
42) 1,2-Dichloroethane	8.43	62	228526	51.092	ug/l	99
43) Isopropyl Acetate	8.46	43	225827	50.936	ug/l	100
44) Trichloroethene	9.11	130	226979	49.918	ug/l	96
45) 1,2-Dichloropropane	9.39	63	189801	51.358	ug/l	98
46) Dibromomethane	9.48	93	107785	52.311	ug/l	99
47) Bromodichloromethane	9.67	83	276949	50.512	ug/l	97
48) Methyl methacrylate	9.46	41	102218	48.965	ug/l	90
49) 1,4-Dioxane	9.46	88	24679	1038.743	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	567004	258.739	ug/l	100
52) Toluene	10.40	92	507469	49.972	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	261120	51.082	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	309631	51.370	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	141736	51.043	ug/l	98
56) Ethyl methacrylate	10.66	69	182812	52.715	ug/l	99
57) 1,3-Dichloropropane	10.95	76	243819	50.996	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	315936	239.121	ug/l	99
59) 2-Hexanone	10.98	43	392549	263.924	ug/l	100
60) Dibromochloromethane	11.14	129	195936	51.025	ug/l	99
61) 1,2-Dibromoethane	11.25	107	141306	51.594	ug/l	99
64) Tetrachloroethene	10.87	164	196182	48.705	ug/l	98
65) Chlorobenzene	11.67	112	542971	49.828	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	207538	50.521	ug/l	99
67) Ethyl Benzene	11.75	91	983808	49.741	ug/l	99
68) m/p-Xylenes	11.86	106	763131	99.963	ug/l	98
69) o-Xylene	12.18	106	348347	50.518	ug/l	100
70) Styrene	12.20	104	623816	51.540	ug/l	99
71) Bromoform	12.36	173	120607	51.483	ug/l #	97
73) Isopropylbenzene	12.48	105	938122	48.500	ug/l	99
74) N-amyl acetate	12.29	43	211745	51.211	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	150023	49.373	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	110495m	51.696	ug/l	
77) Bromobenzene	12.77	156	229907	48.373	ug/l	98
78) n-propylbenzene	12.83	91	1103293	48.892	ug/l	99
79) 2-Chlorotoluene	12.91	91	605029	48.807	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	778689	49.007	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	52125	51.005	ug/l	99
82) 4-Chlorotoluene	13.01	91	641341	48.616	ug/l	100
83) tert-Butylbenzene	13.23	119	673282	48.804	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	782939	49.476	ug/l	99
85) sec-Butylbenzene	13.41	105	914474	48.351	ug/l	100
86) p-Isopropyltoluene	13.53	119	878111	48.556	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	442408	48.829	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	441063	49.554	ug/l	99
89) n-Butylbenzene	13.85	91	793439	48.720	ug/l	99
90) Hexachloroethane	14.12	117	162243	46.965	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	379405	49.108	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	23475	47.657	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	275101	48.360	ug/l	99
94) Hexachlorobutadiene	15.28	225	165695	46.287	ug/l	98
95) Naphthalene	15.41	128	448409	49.826	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	236156	48.628	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

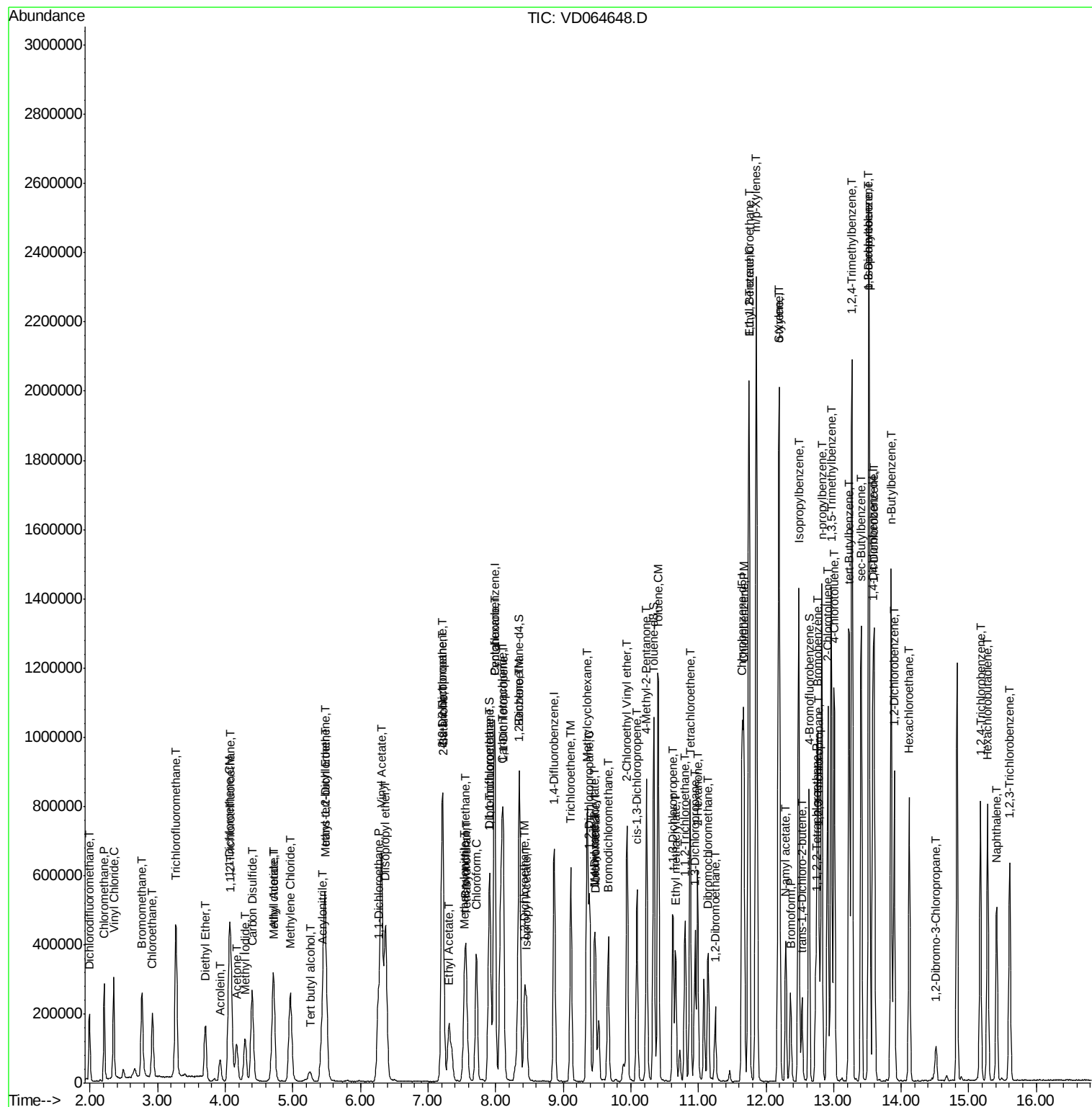
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Acq On : 27 Dec 2019 16:48
Operator : VA/SY
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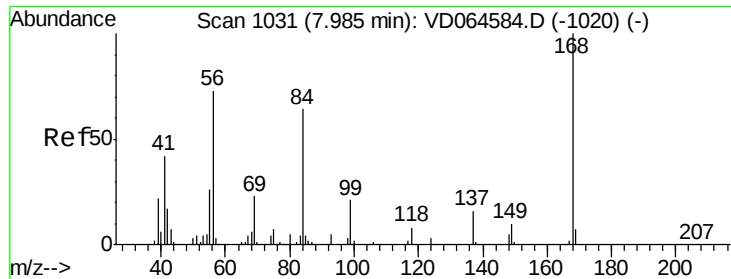
Instrument :
MSVOA_D
Client Sampled :
SB-2-(4-5)MSD

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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MSD

Tot Ion:168 Resp: 406910

Ion Ratio Lower Upper

168 100

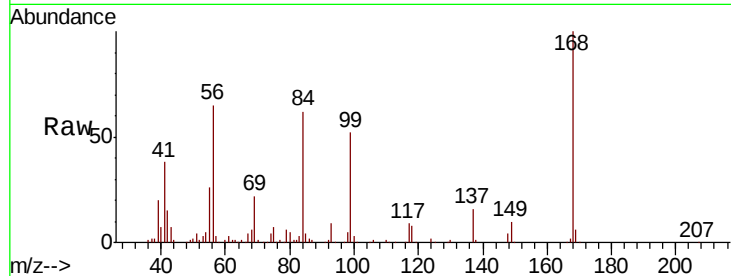
99 51.9 41.8 62.6

Manual Integrations

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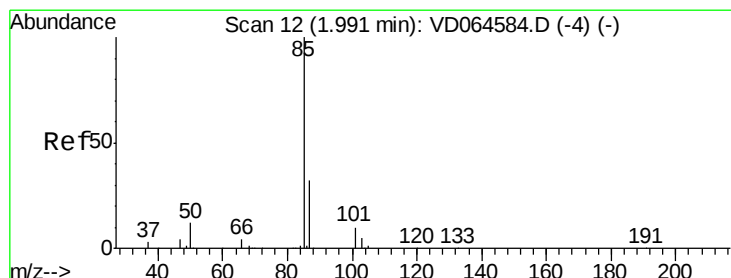
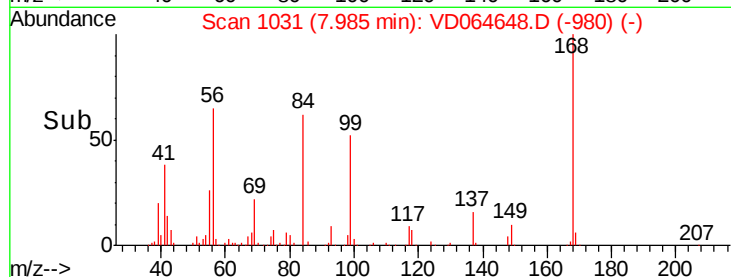
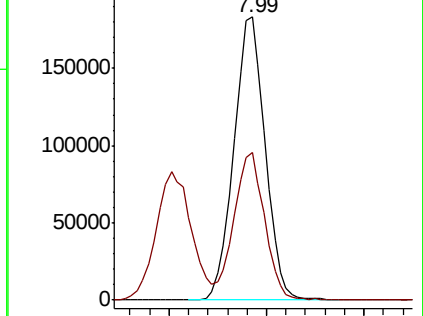
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12/30/2019 11:03:10 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 46.938 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064648.D

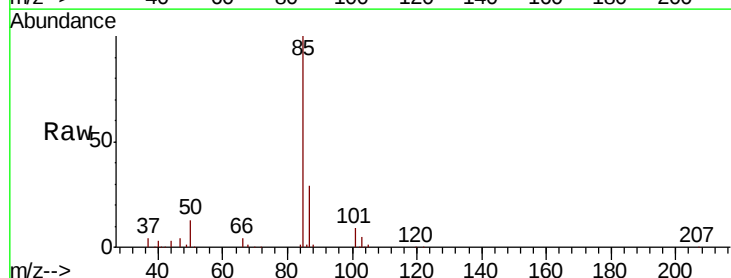
Acq: 27 Dec 2019 16:48

Tgt Ion: 85 Resp: 148433

Ion Ratio Lower Upper

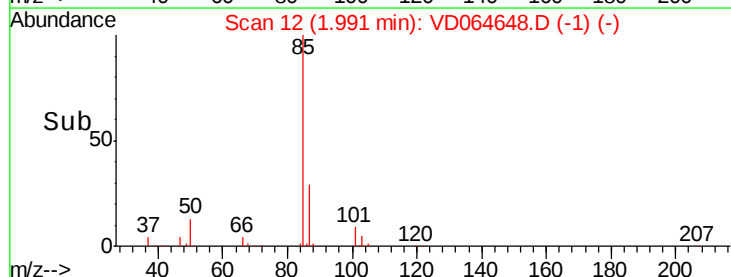
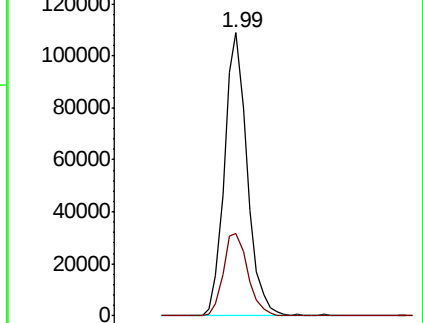
85 100

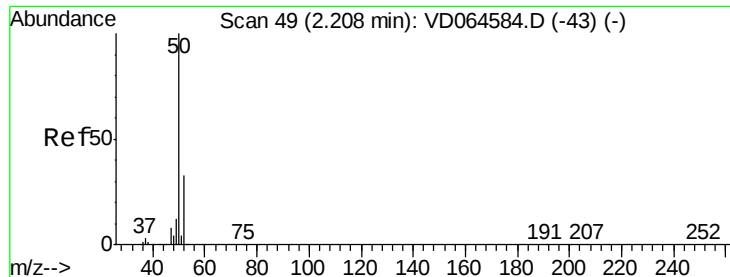
87 29.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.408 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MSD

Tot Ion: 50 Resp: 218512

Ion Ratio Lower Upper

50 100

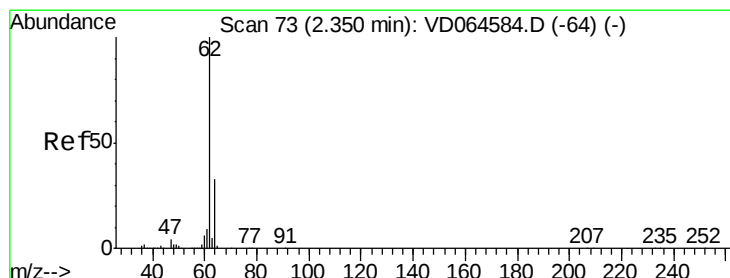
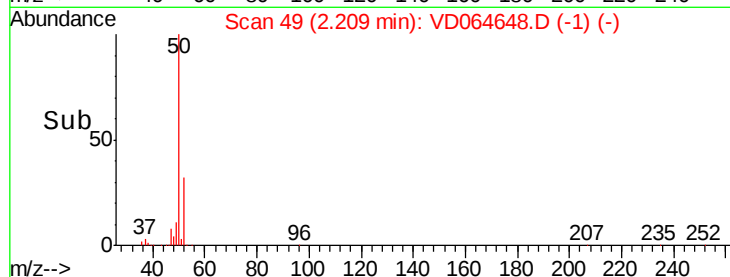
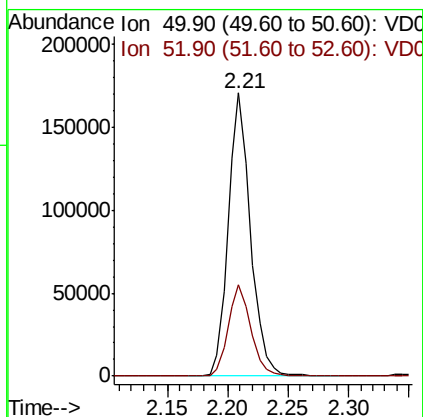
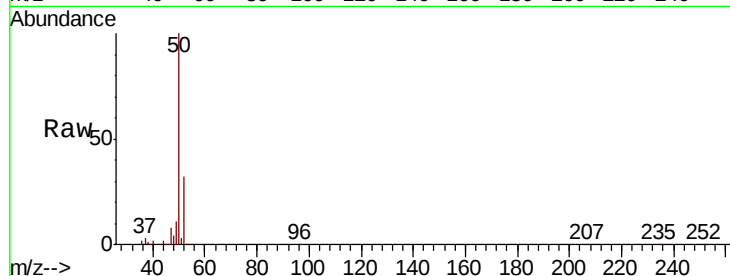
52 32.1 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.647 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064648.D

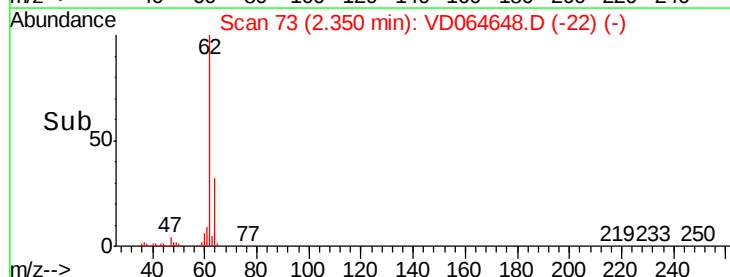
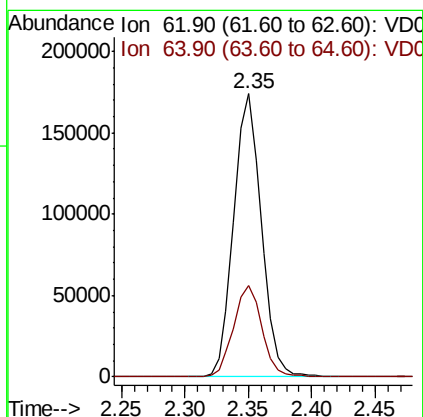
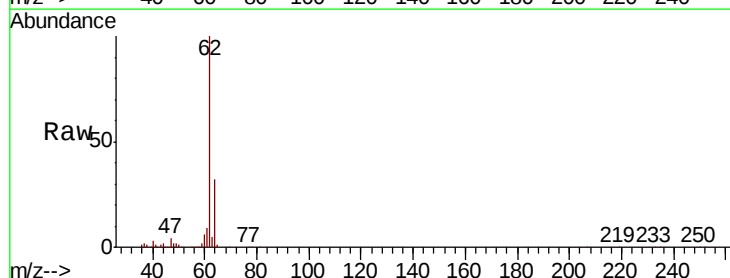
Acq: 27 Dec 2019 16:48

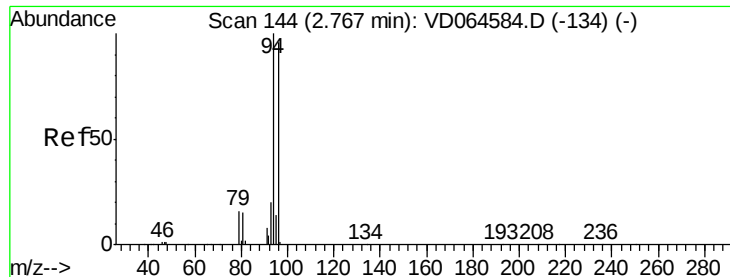
Tgt Ion: 62 Resp: 262324

Ion Ratio Lower Upper

62 100

64 32.1 26.6 40.0





#5

Bromomethane

Concen: 48.833 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

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ClientSampleId :

SB-2-(4-5)MSD

Tot Ion: 94 Resp: 191465

Ion Ratio Lower Upper

94 100

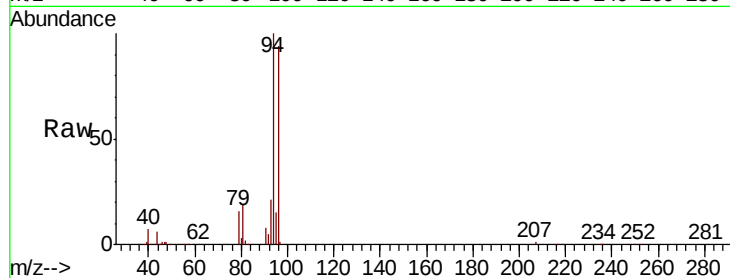
96 93.9 77.2 115.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

80000

60000

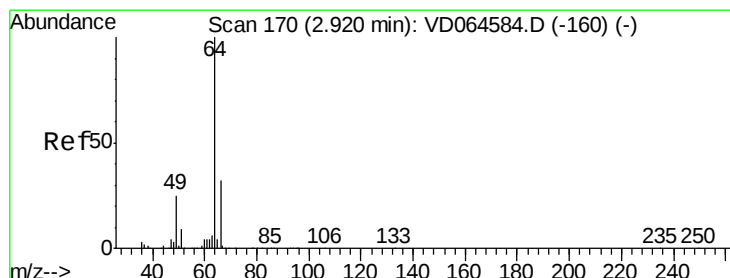
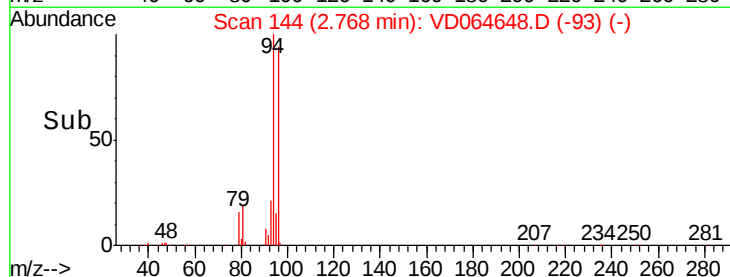
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20000

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Time-->

2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 51.210 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064648.D

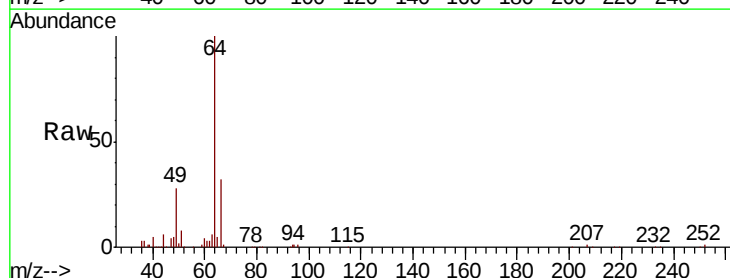
Acq: 27 Dec 2019 16:48

Tgt Ion: 64 Resp: 185033

Ion Ratio Lower Upper

64 100

66 32.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

100000

80000

60000

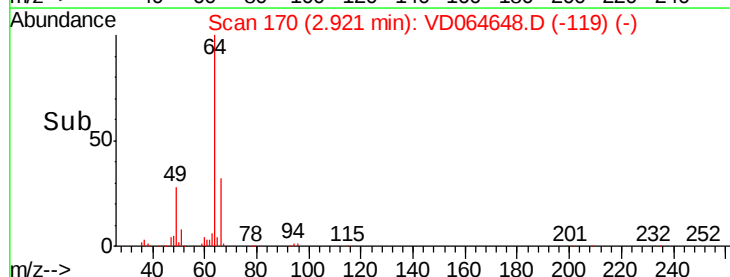
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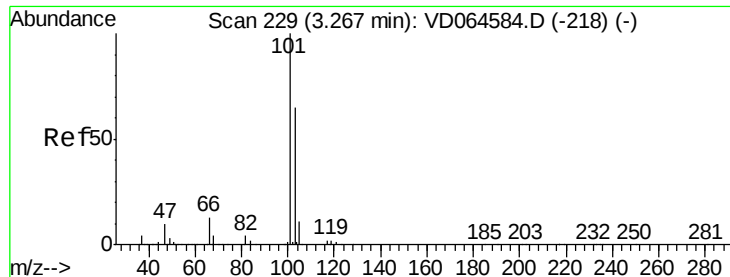
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Time-->

2.80 2.90 3.00





#7

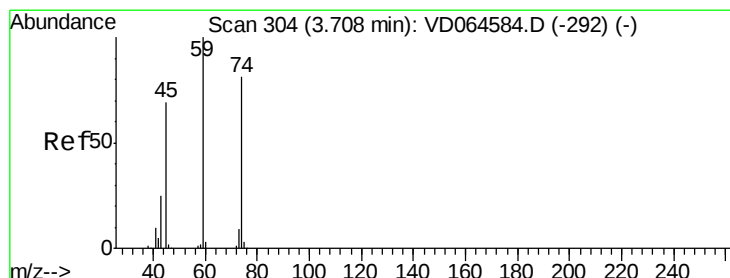
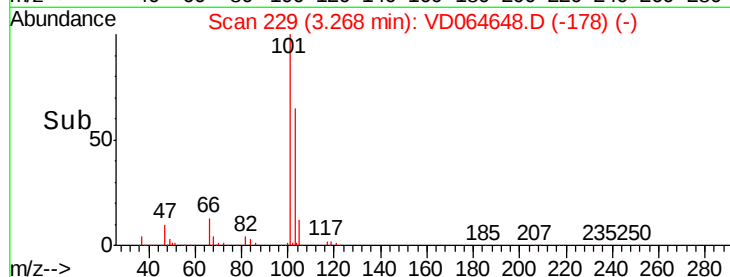
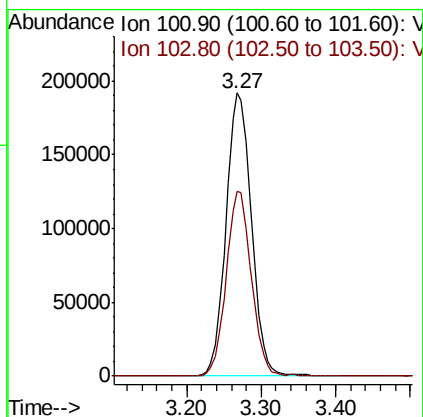
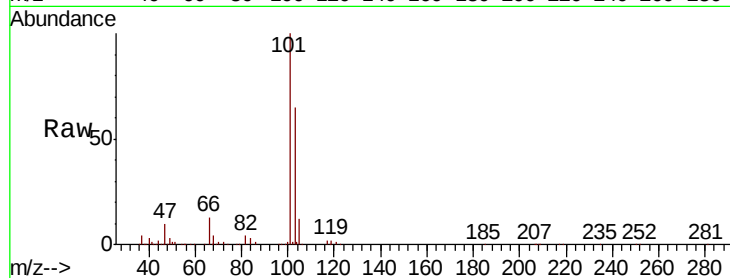
Trichlorofluoromethane
Concen: 50.076 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.2	78.4

Manual Integrations
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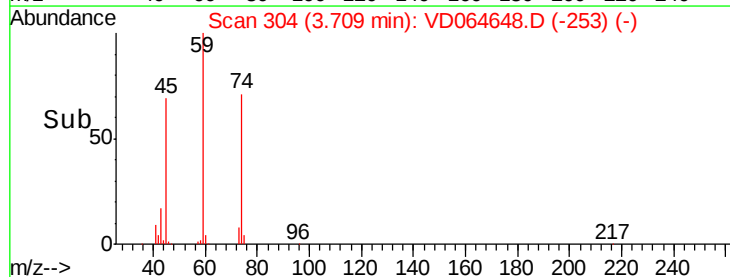
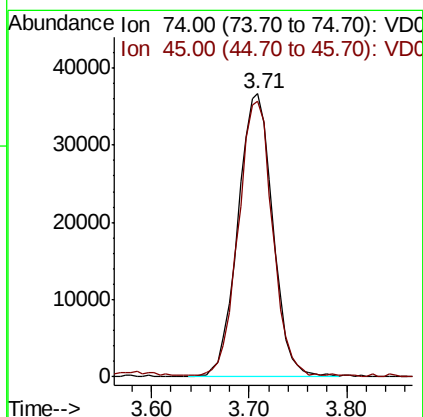
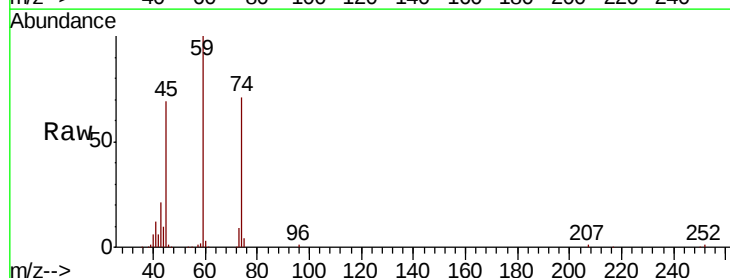
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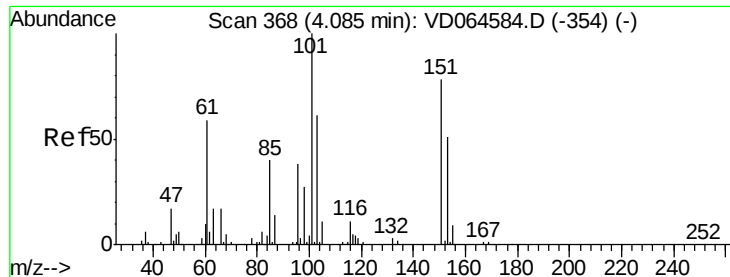


#8

Diethyl Ether
Concen: 50.507 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.8	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.851 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

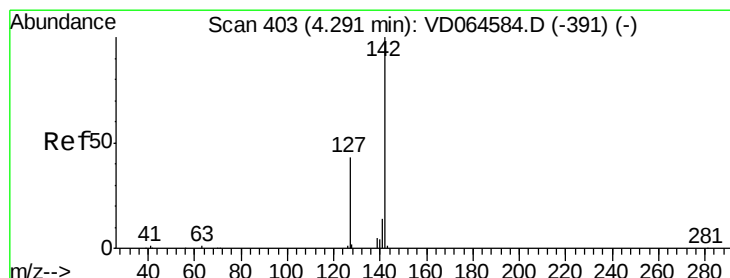
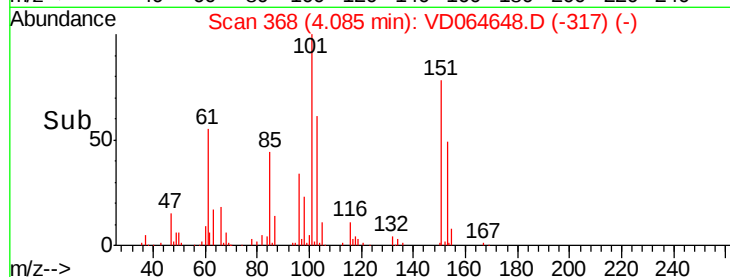
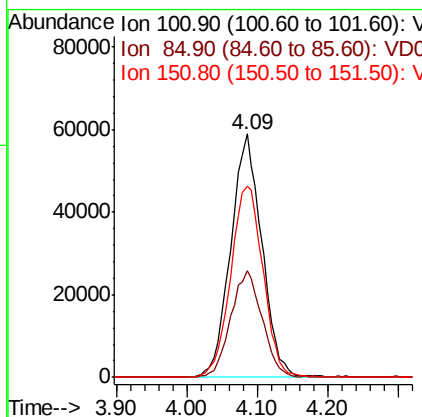
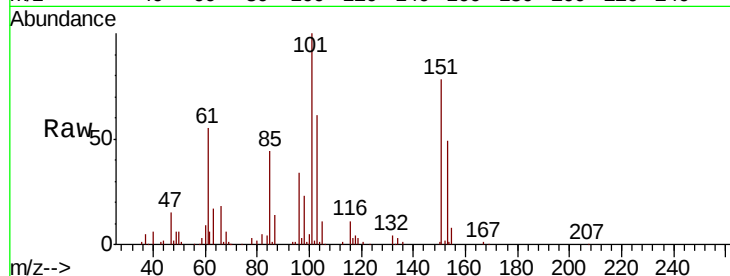
ClientSampleId :

SB-2-(4-5)MSD

Tot Ion:	101	Resp:	179932
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.2	52.8
151	81.9	66.2	99.4

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#10

Methyl Iodide

Concen: 50.890 ug/l

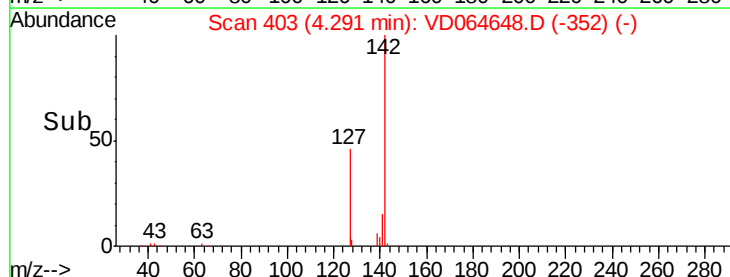
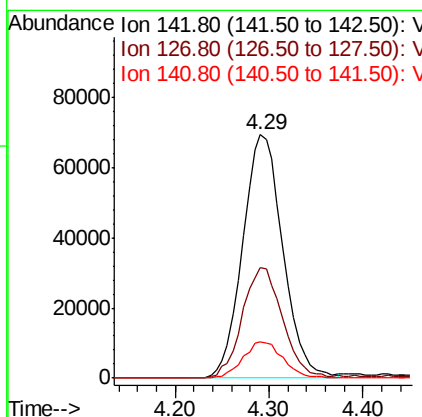
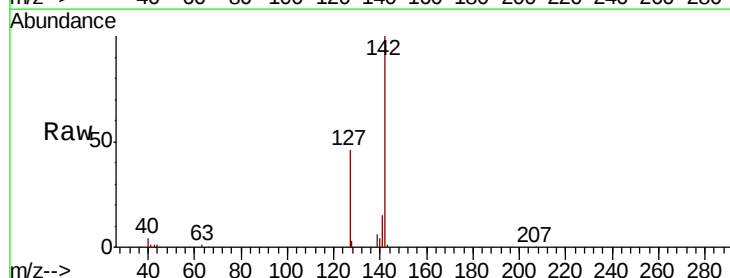
RT: 4.29 min Scan# 403

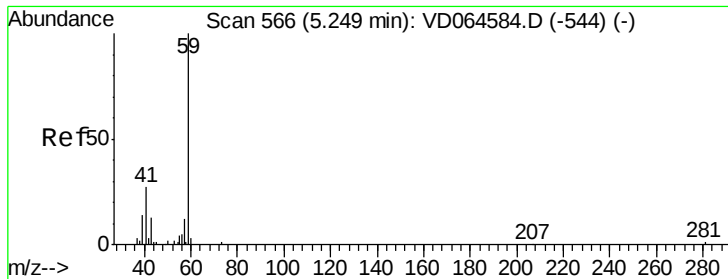
Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Tgt Ion:	142	Resp:	205547
Ion Ratio	Lower	Upper	
142	100		
127	45.3	36.2	54.4
141	14.9	11.8	17.8





#11

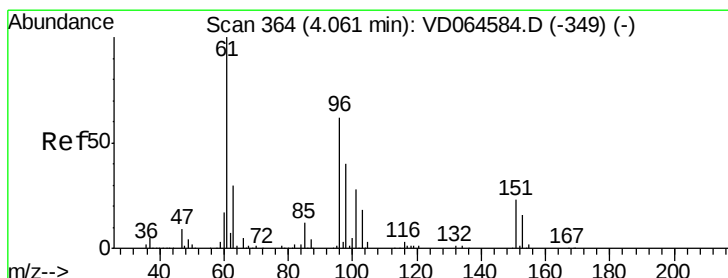
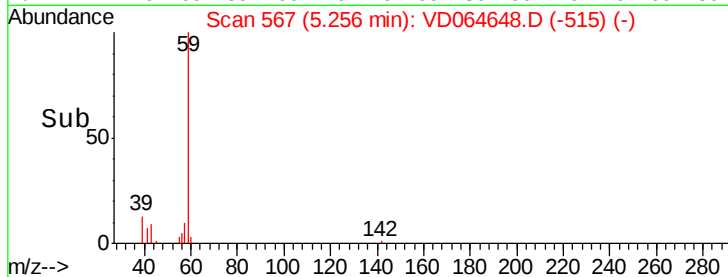
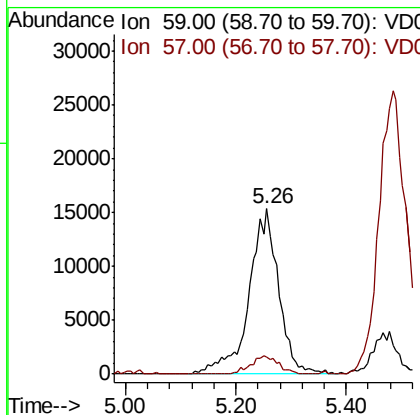
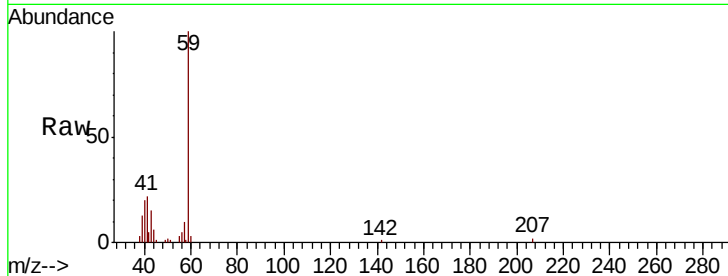
Tert butyl alcohol
Concen: 276.549 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion: 59 Resp: 56868
Ion Ratio Lower Upper
59 100
57 10.2 9.3 13.9

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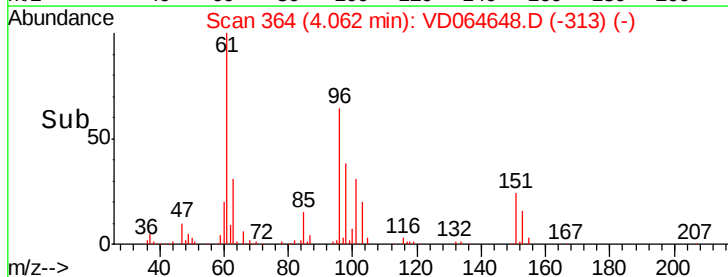
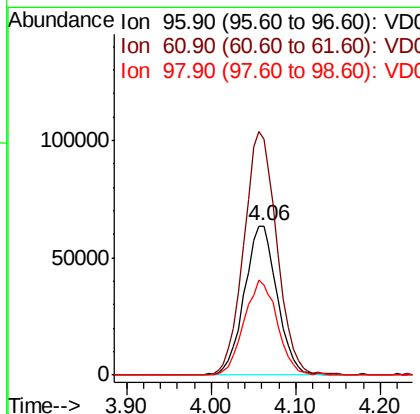
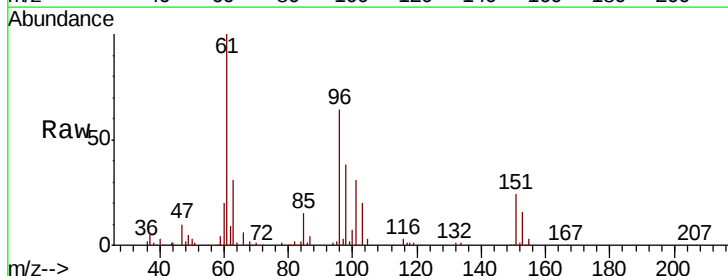
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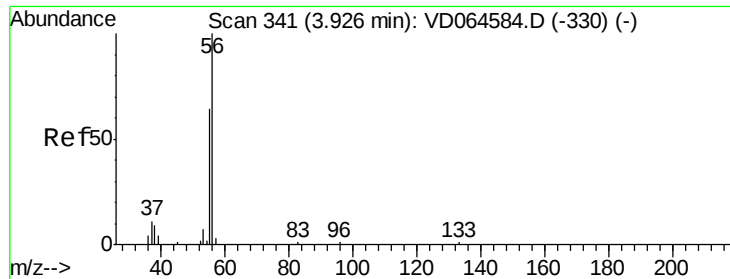


#12

1,1-Dichloroethene
Concen: 47.908 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion: 96 Resp: 171508
Ion Ratio Lower Upper
96 100
61 157.5 129.4 194.0
98 60.5 51.4 77.0





#13

Acrolein

Concen: 252.744 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MSD

Tot Ion: 56 Resp: 72432

Ion Ratio Lower Upper

56 100

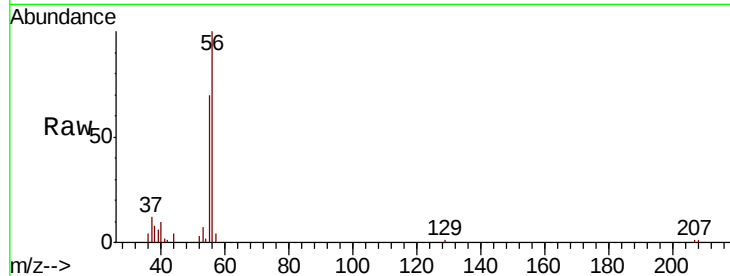
55 71.0 56.7 85.1

Manual Integrations

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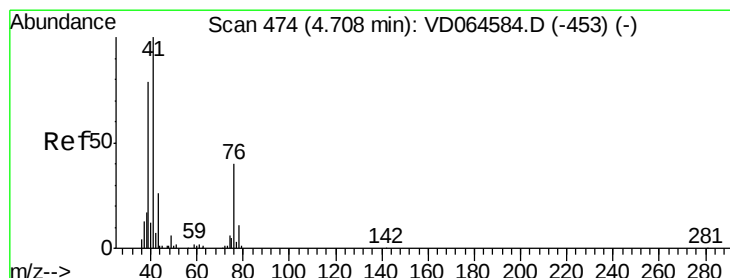
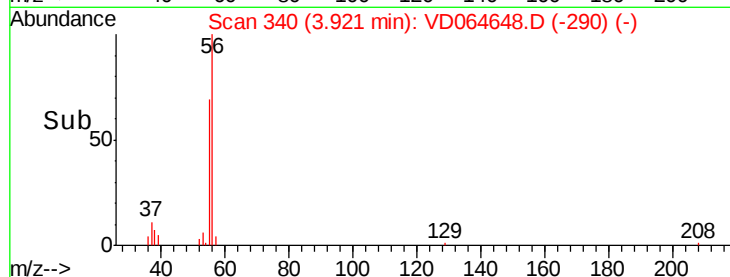
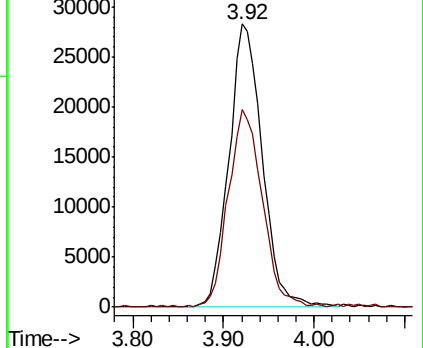
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.775 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

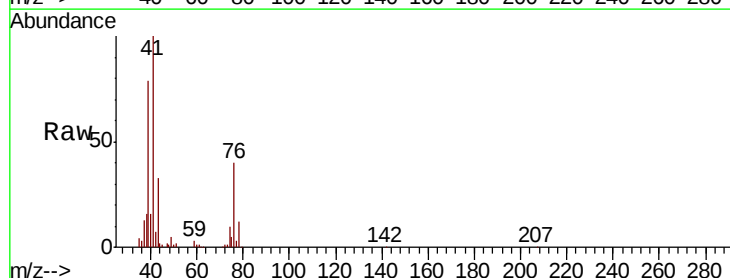
Tgt Ion: 41 Resp: 277823

Ion Ratio Lower Upper

41 100

39 76.9 62.3 93.5

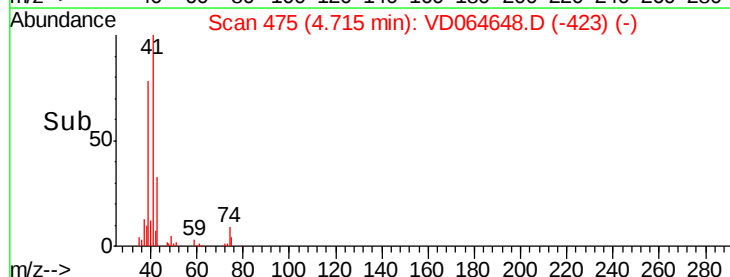
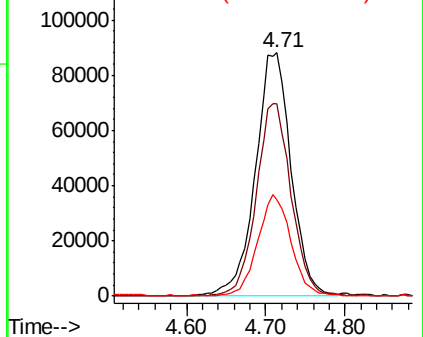
76 38.0 29.7 44.5

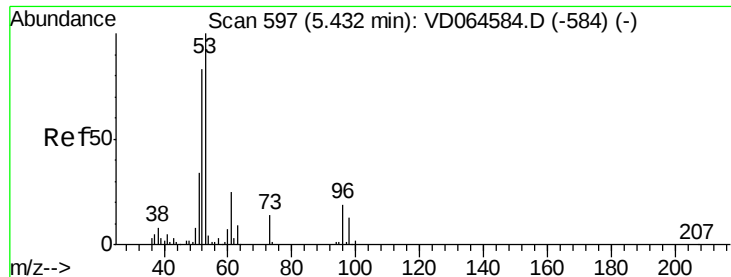


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 256.192 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

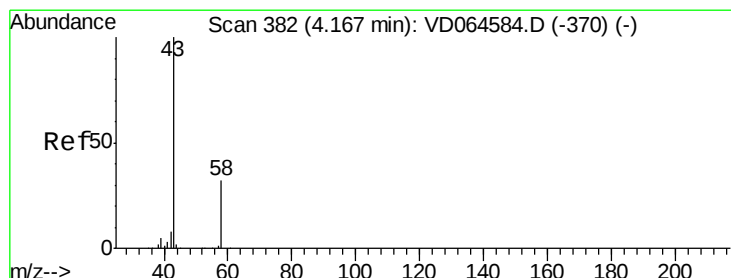
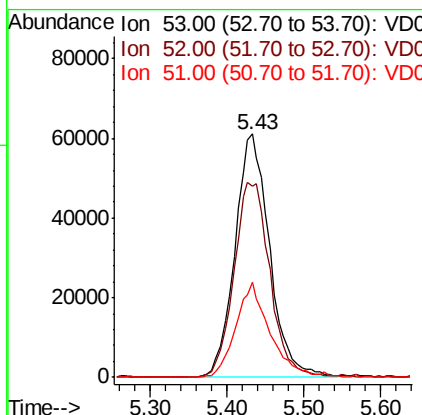
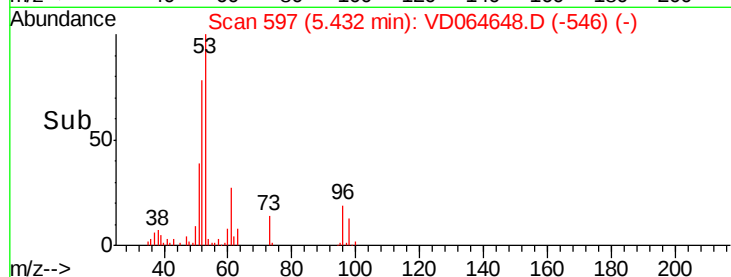
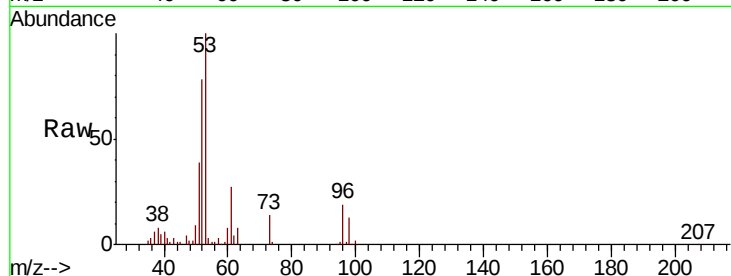
ClientSampleId :

SB-2-(4-5)MSD

Tot Ion:	53	Resp:	192404
Ion Ratio		Lower	Upper
53	100		
52	83.2	66.2	99.2
51	38.0	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 249.348 ug/l

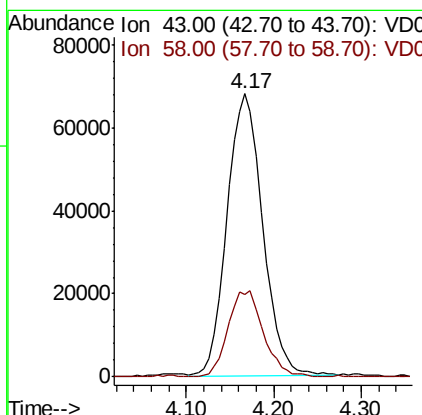
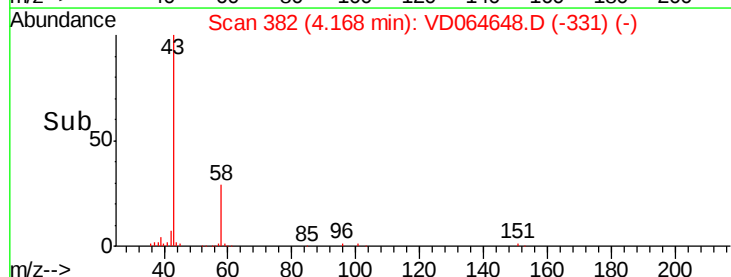
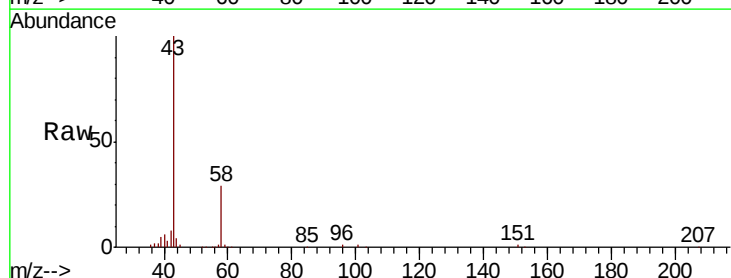
RT: 4.17 min Scan# 382

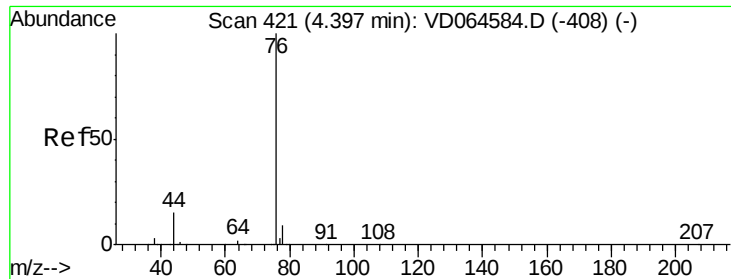
Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Tgt Ion:	43	Resp:	188425
Ion Ratio		Lower	Upper
43	100		
58	29.2	25.8	38.6





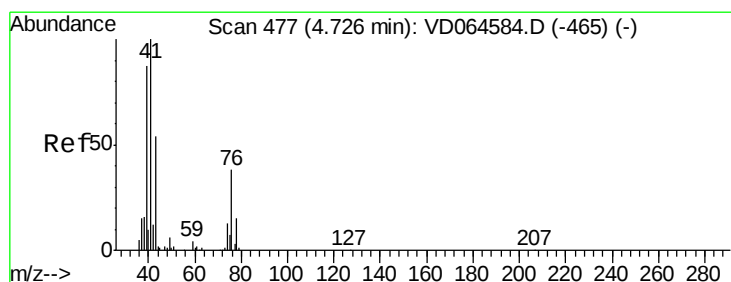
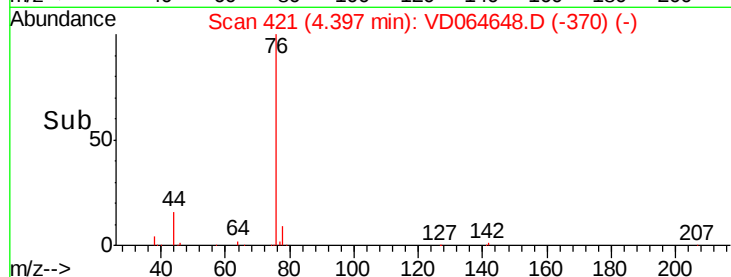
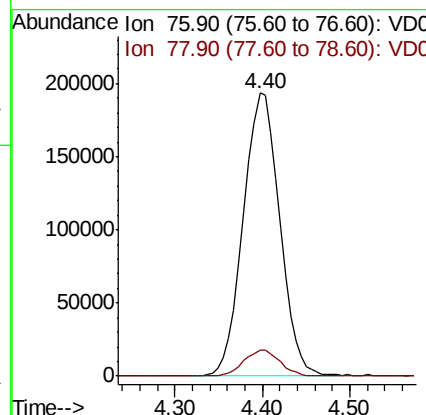
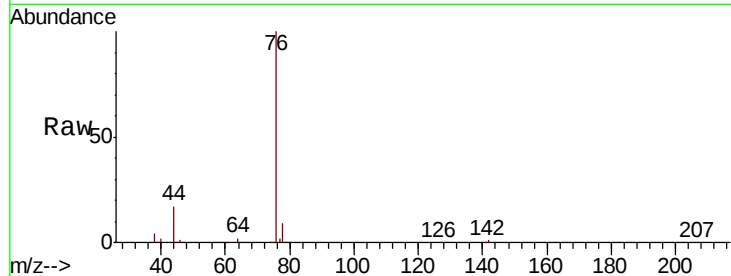
#17
Carbon Disulfide
Concen: 47.457 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

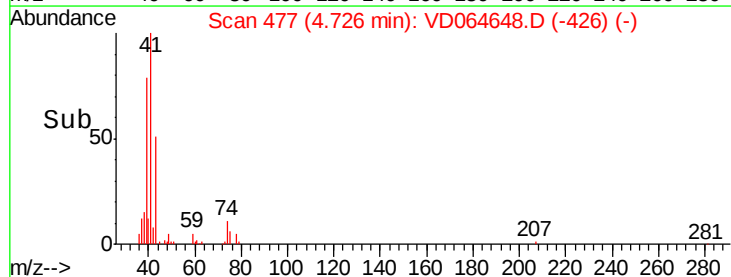
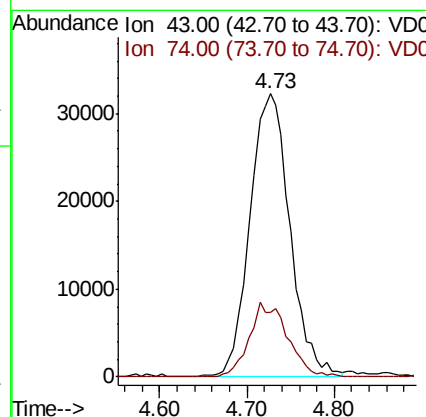
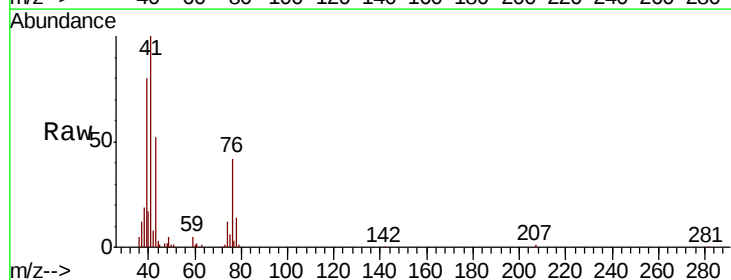
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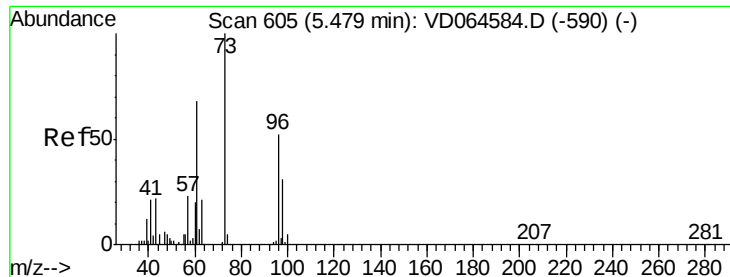
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#18
Methyl Acetate
Concen: 49.760 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.2	28.8





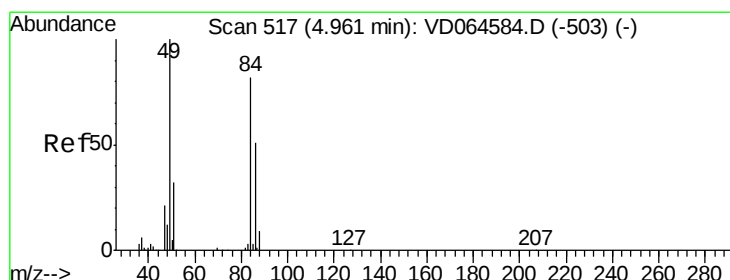
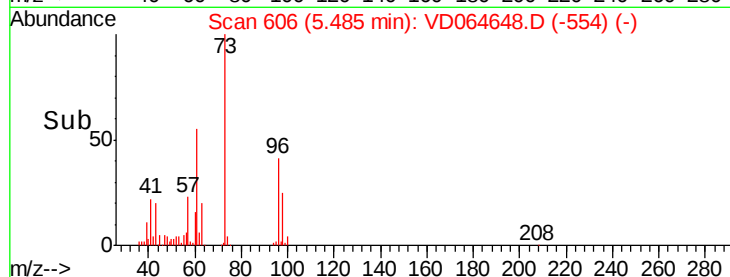
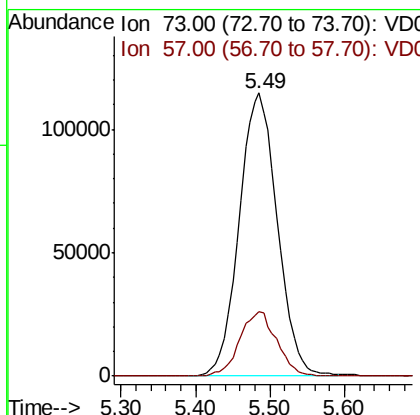
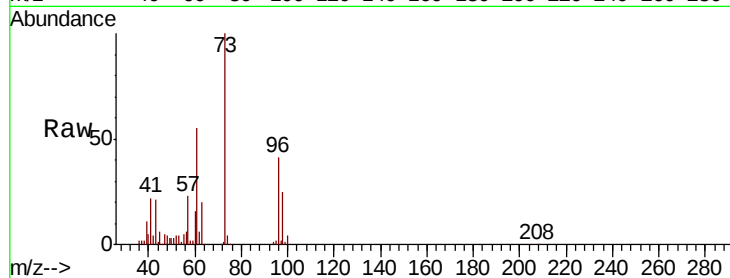
#19
Methyl tert-butyl Ether
Concen: 51.099 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion: 73 Resp: 406317
Ion Ratio Lower Upper
73 100
57 22.9 18.6 27.8

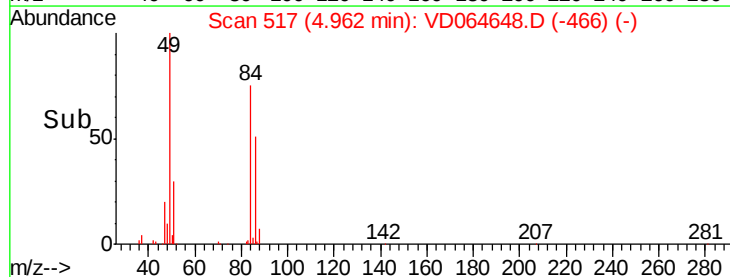
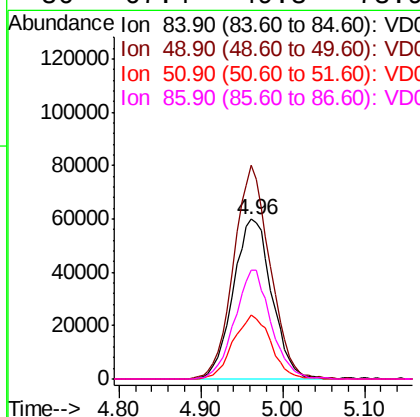
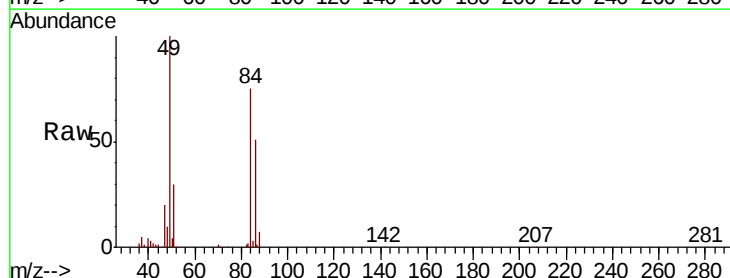
Manual Integrations
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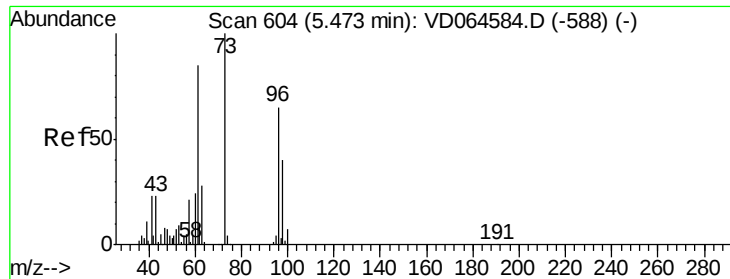
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#20
Methylene Chloride
Concen: 53.986 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion: 84 Resp: 196678
Ion Ratio Lower Upper
84 100
49 133.5 97.2 145.8
51 39.7 31.4 47.0
86 67.4 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 49.806 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MSD

Tot Ion: 96 Resp: 203060

Ion Ratio Lower Upper

96 100

61 127.4 104.7 157.1

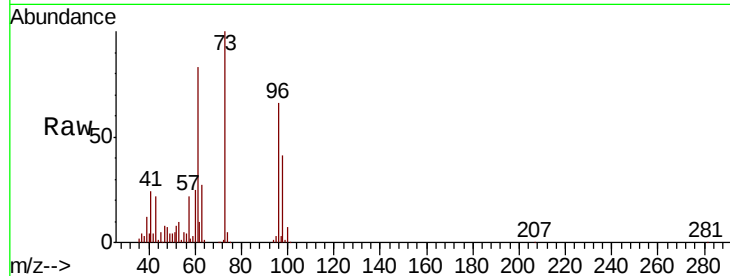
98 62.7 49.4 74.2

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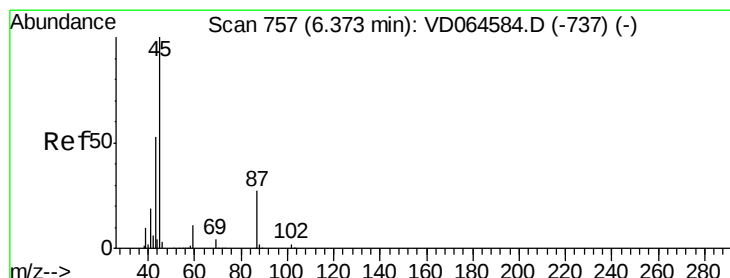
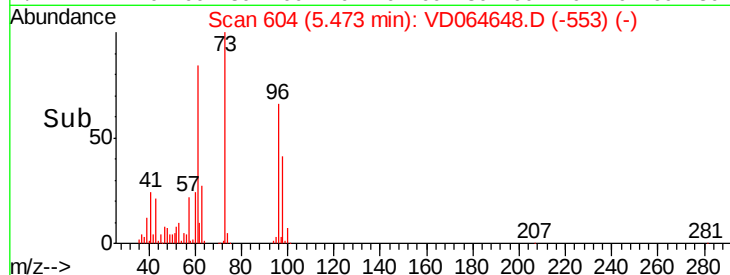
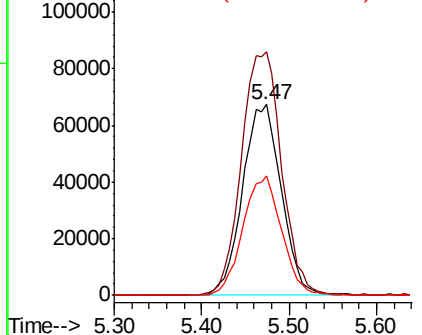


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 50.821 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Tgt Ion: 45 Resp: 565786

Ion Ratio Lower Upper

45 100

43 55.5 43.2 64.8

87 26.1 21.9 32.9

59 11.2 9.0 13.4

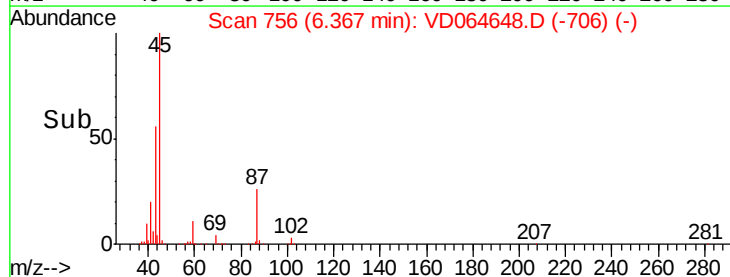
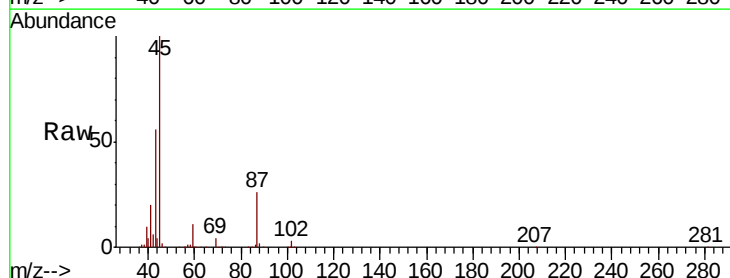
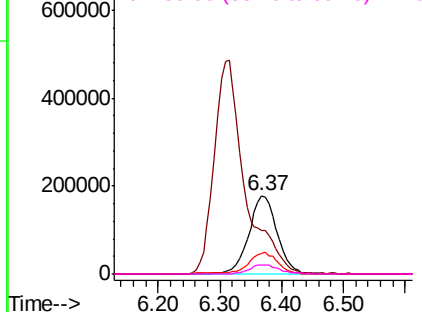
Abundance

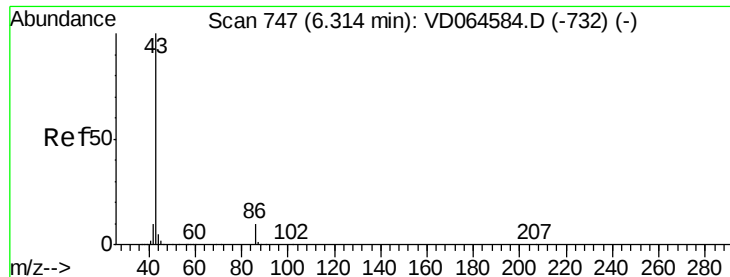
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 264.139 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MSD

Tot Ion: 43 Resp: 1668111

Ion Ratio Lower Upper

43 100

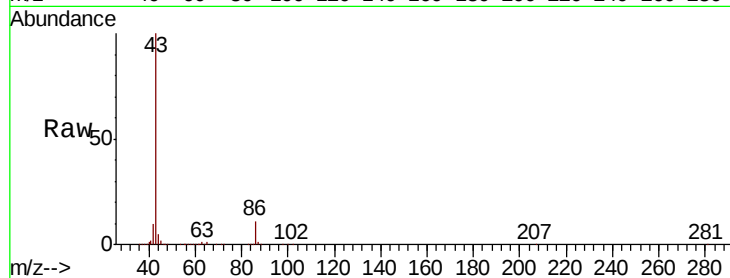
86 10.6 8.3 12.5

Manual Integrations

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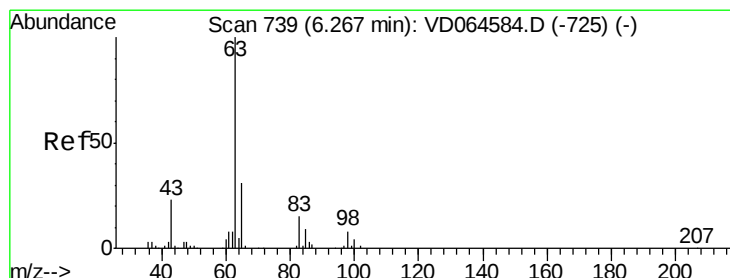
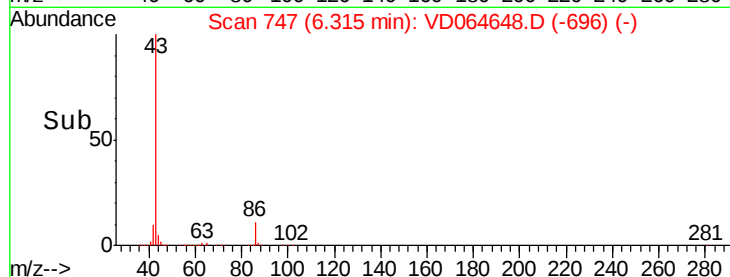
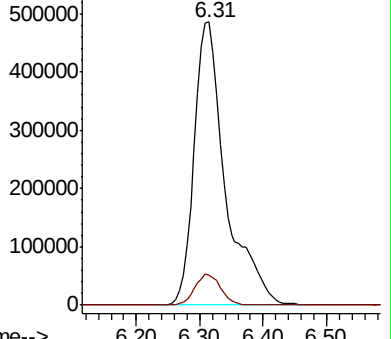
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.690 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

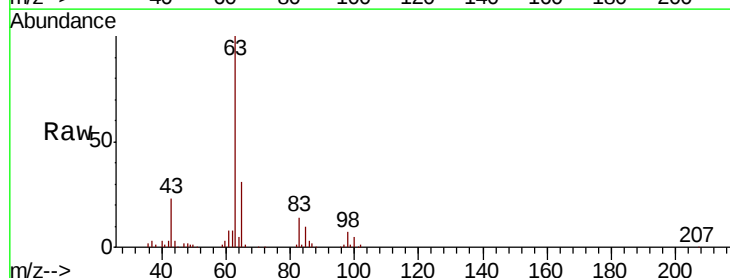
Tgt Ion: 63 Resp: 338787

Ion Ratio Lower Upper

63 100

98 7.1 4.1 12.3

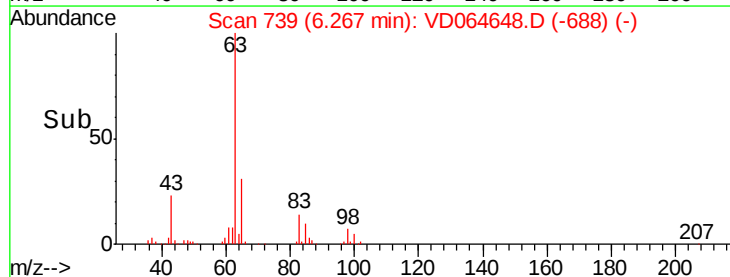
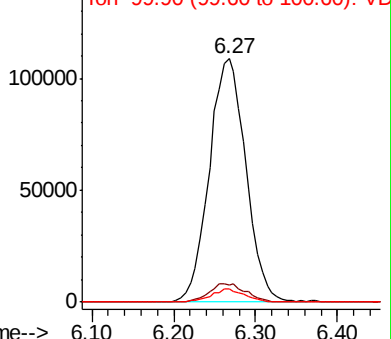
100 5.3 2.2 6.6

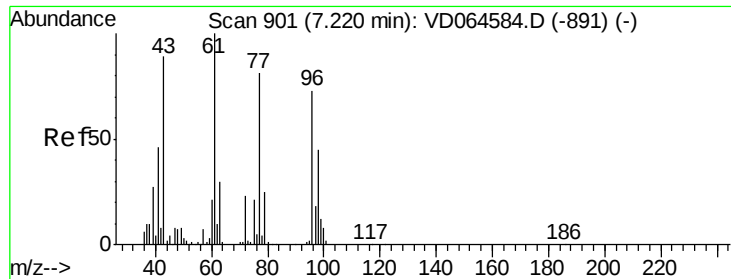


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 263.730 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MSD

Tot Ion: 43 Resp: 260111

Ion Ratio Lower Upper

43 100

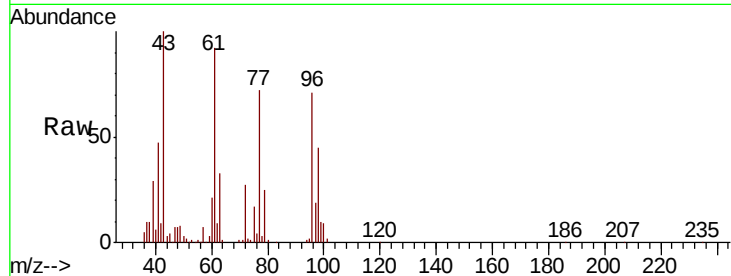
72 26.6 20.7 31.1

Manual Integrations

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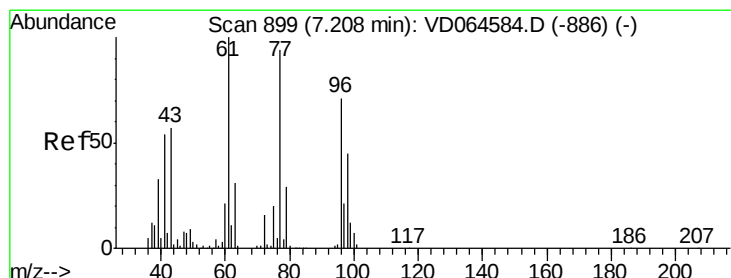
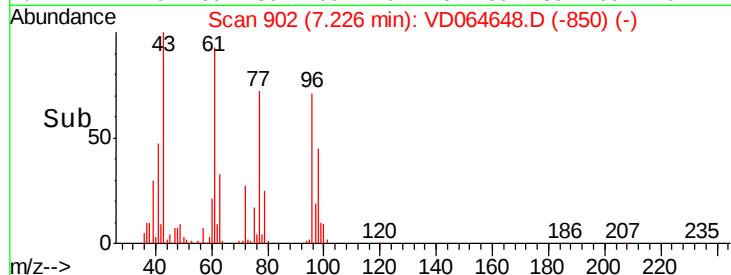
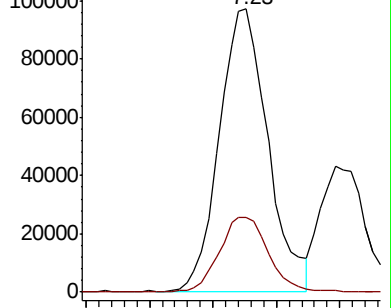
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 47.762 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064648.D

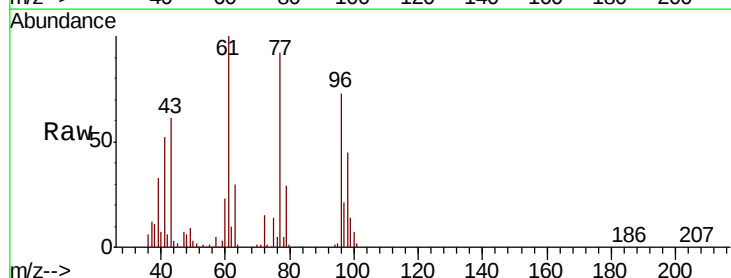
Acq: 27 Dec 2019 16:48

Tgt Ion: 77 Resp: 296790

Ion Ratio Lower Upper

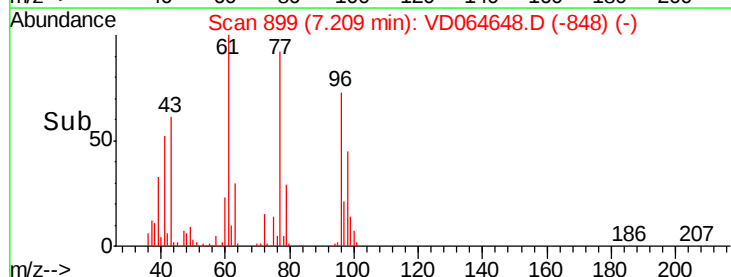
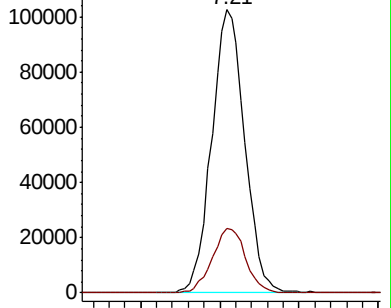
77 100

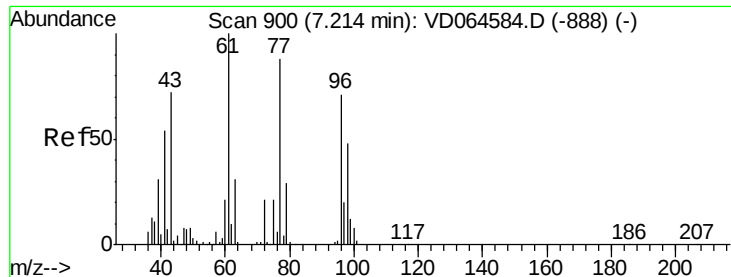
97 23.0 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

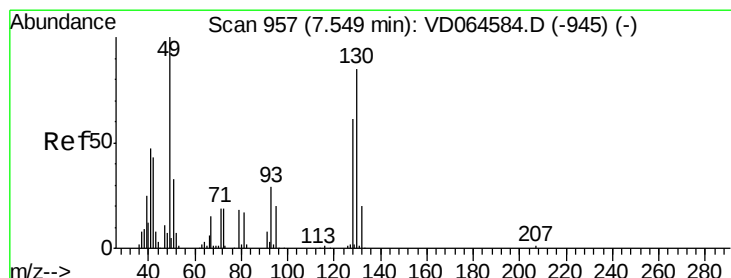
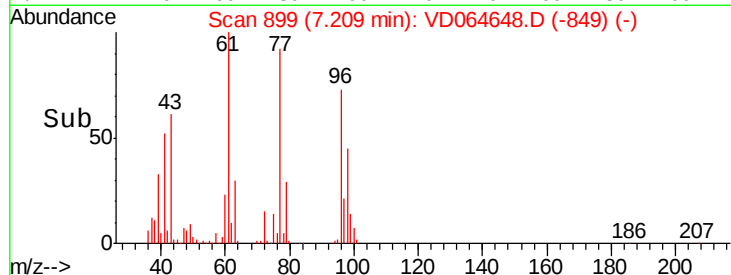
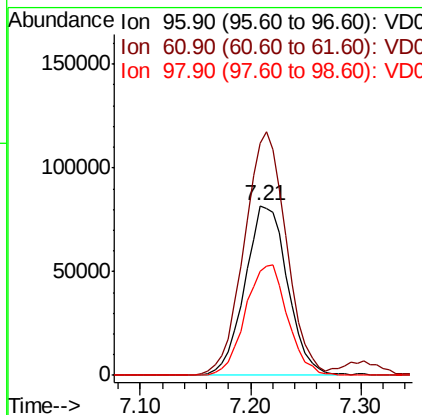
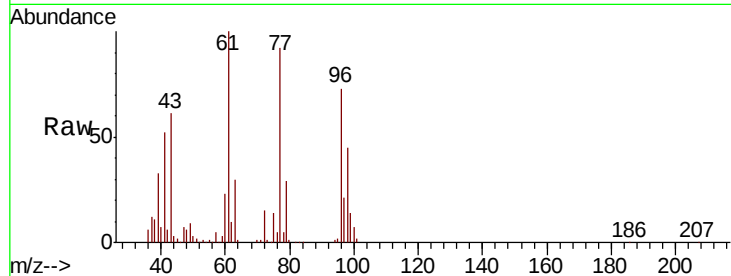
cis-1,2-Dichloroethene
Concen: 50.328 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	221446		
61	141.5	0.0	282.6	
98	64.4	0.0	130.8	

Manual Integrations
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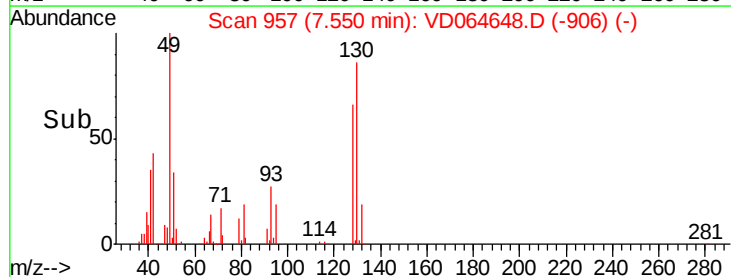
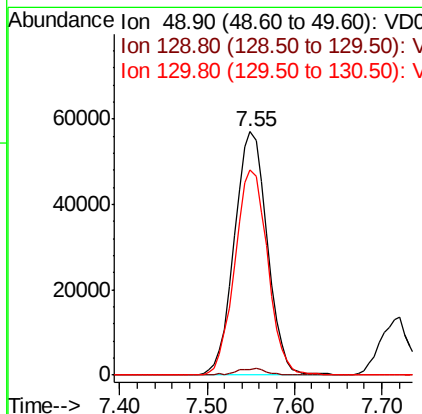
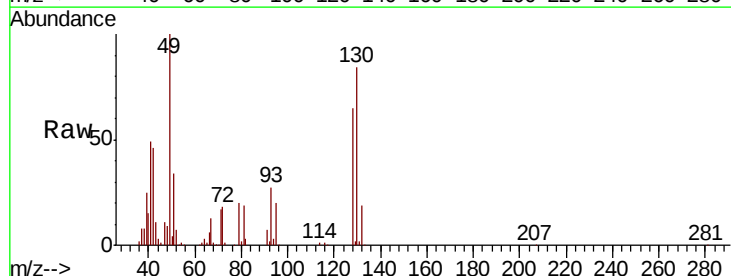
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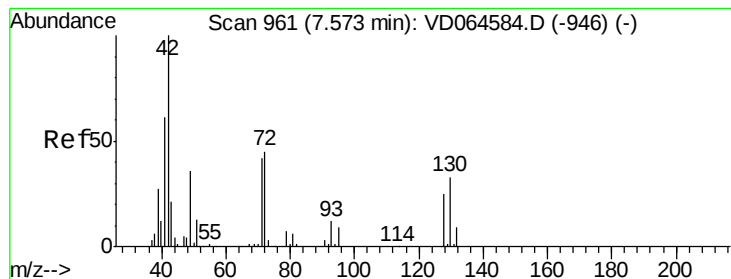


#28

Bromochloromethane
Concen: 55.775 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	144907		
129	2.4	0.0	4.8	
130	84.2	65.0	97.6	





#29

Tetrahydrofuran

Concen: 256.498 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

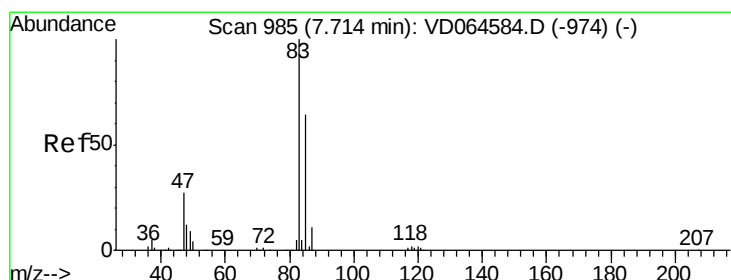
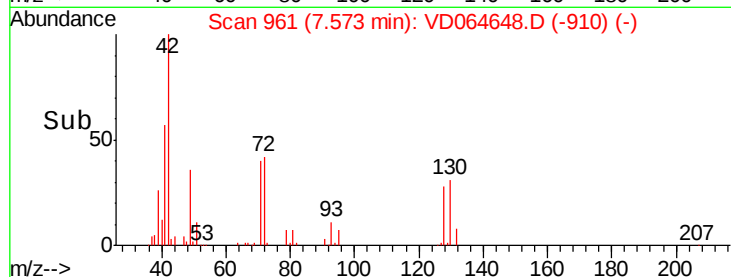
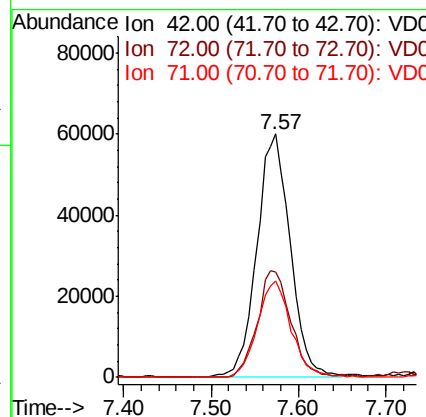
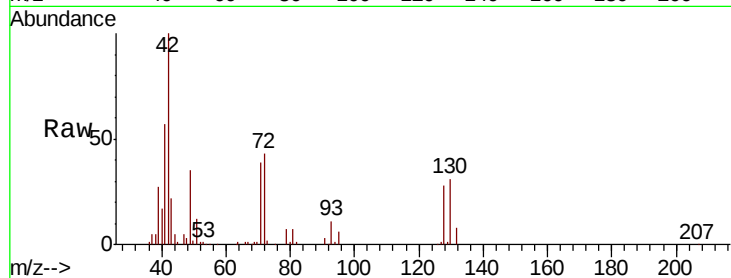
ClientSampleId :

SB-2-(4-5)MSD

Tot Ion:	42	Resp:	157321
Ion Ratio		Lower	Upper
42	100		
72	43.7	35.0	52.4
71	40.0	32.9	49.3

Manual Integrations
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#30

Chloroform

Concen: 50.622 ug/l

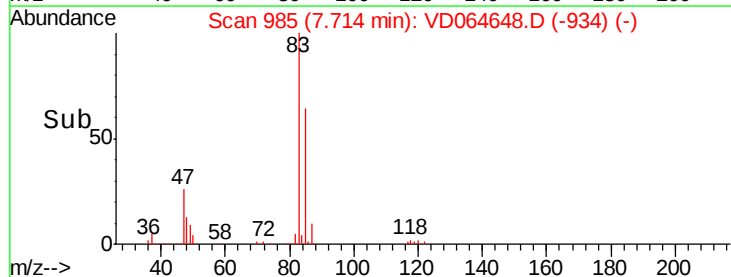
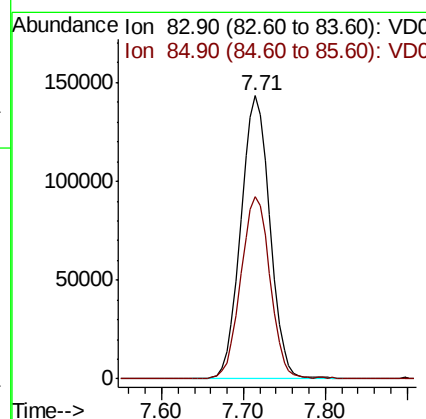
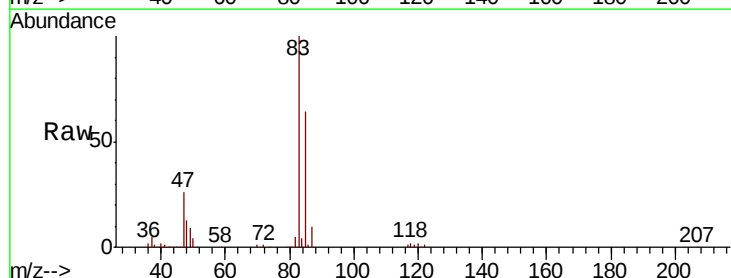
RT: 7.71 min Scan# 985

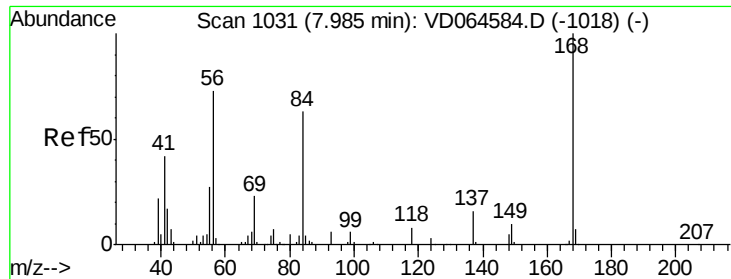
Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Tgt Ion:	83	Resp:	354964
Ion Ratio		Lower	Upper
83	100		
85	64.4	51.1	76.7





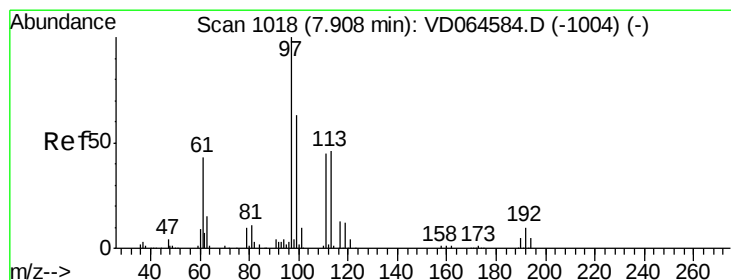
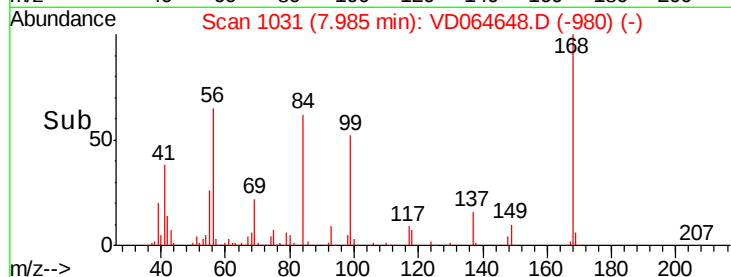
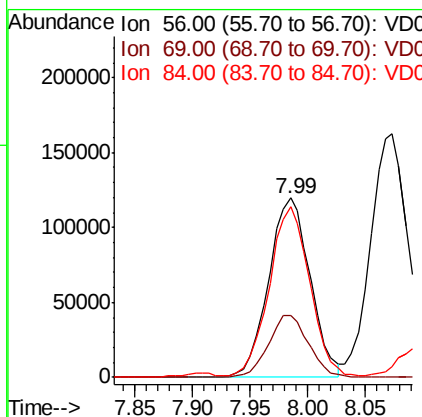
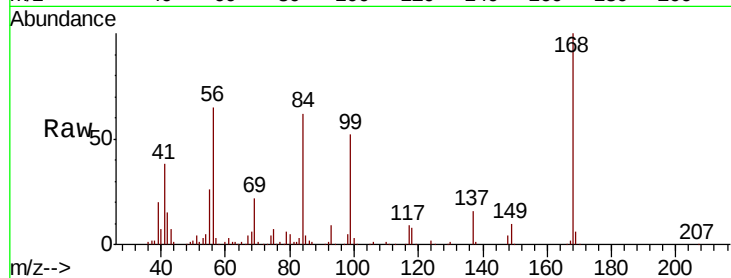
#31
Cyclohexane
Concen: 44.726 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.4	24.7	37.1
84	94.0	69.4	104.2

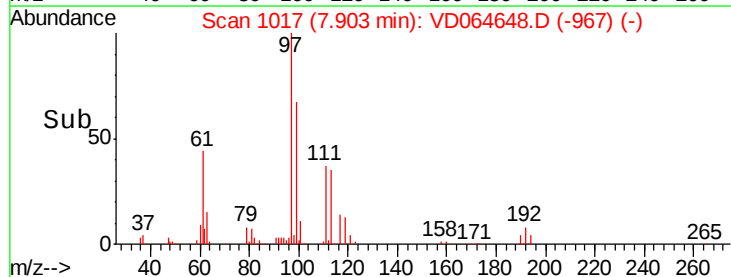
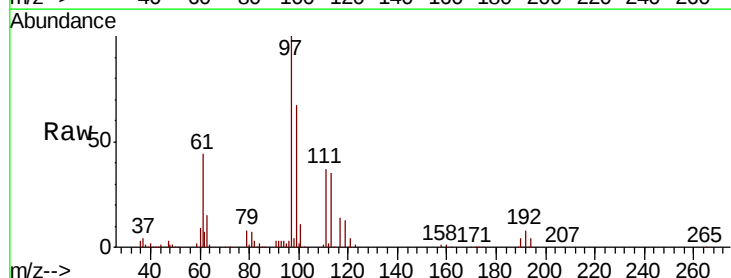
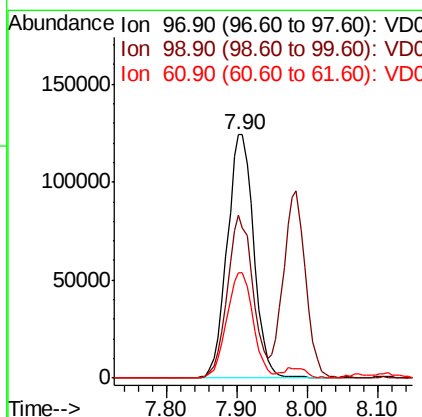
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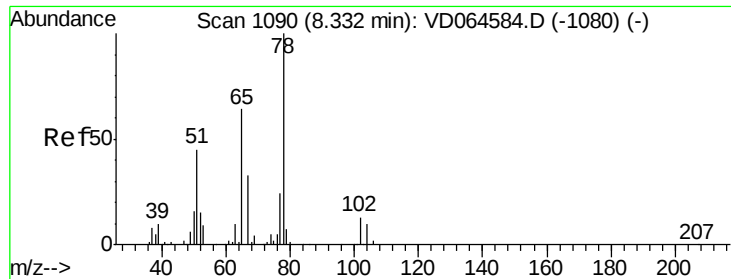
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#32
1,1,1-Trichloroethane
Concen: 49.369 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.6
61	43.1	35.4	53.0





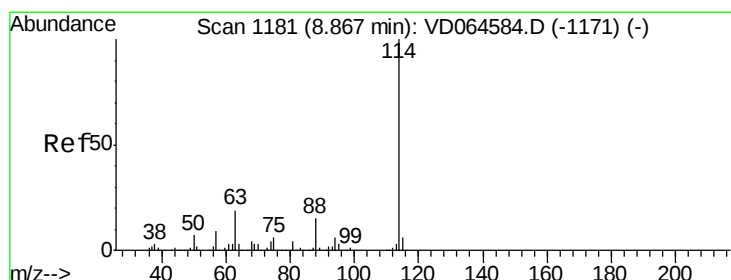
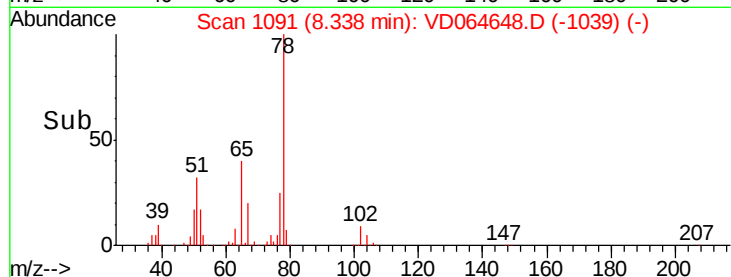
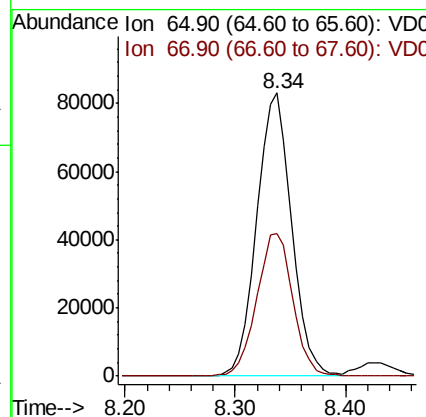
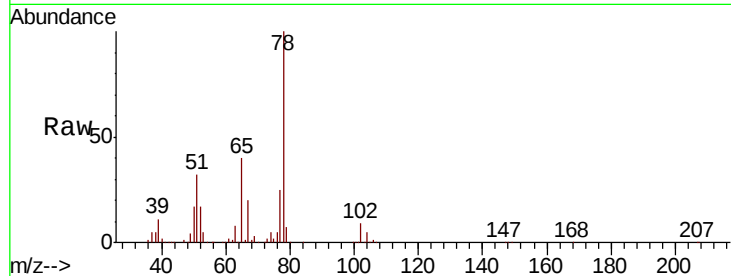
#33
 1,2-Dichloroethane-d4
 Concen: 51.315 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	184124		
67	52.1	0.0	106.2	

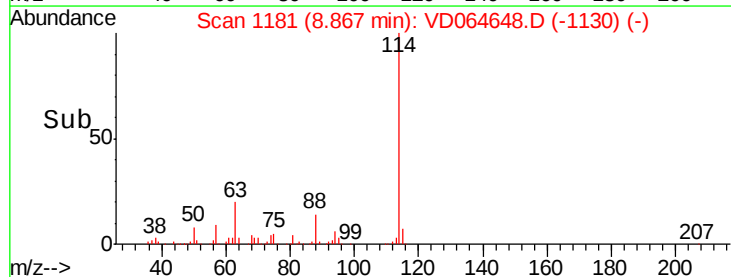
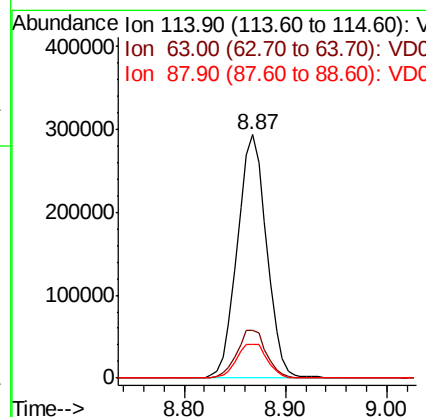
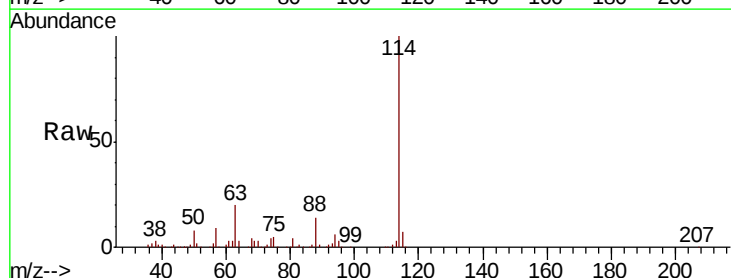
Manual Integrations
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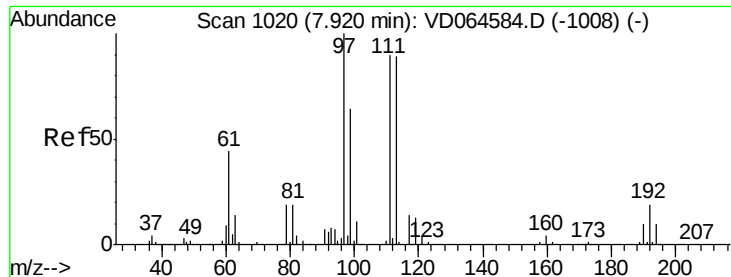
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	589089		
63	19.5	0.0	38.0	
88	13.8	0.0	29.2	





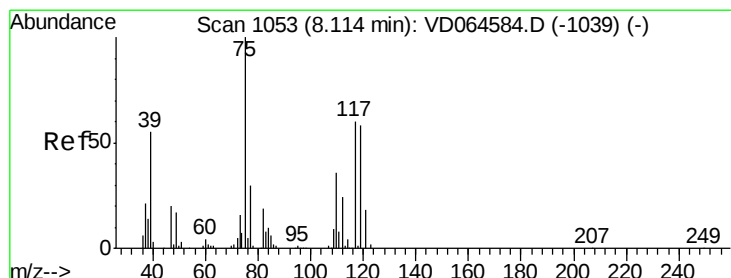
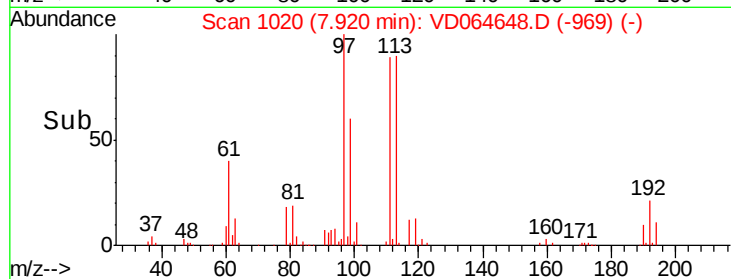
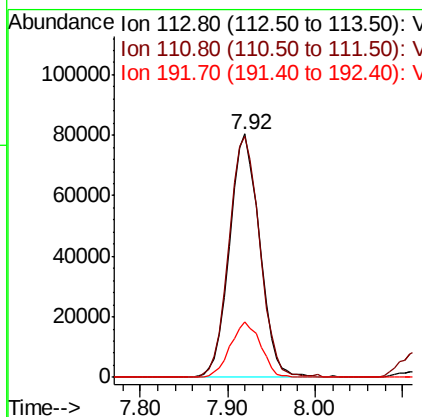
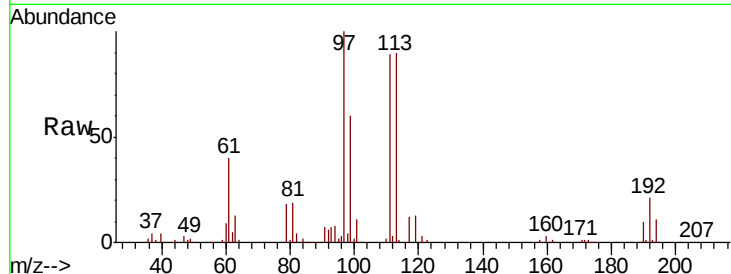
#35
 Dibromofluoromethane
 Concen: 52.090 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	188261		
111	101.5	80.6	121.0	
192	23.1	17.9	26.9	

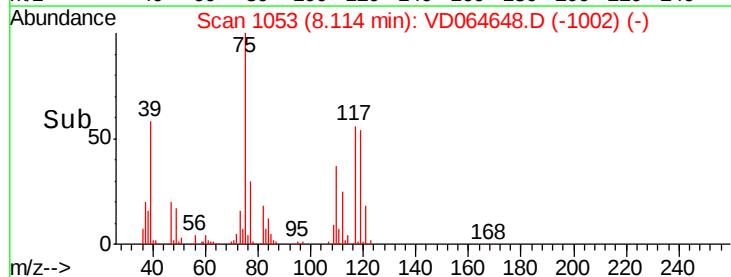
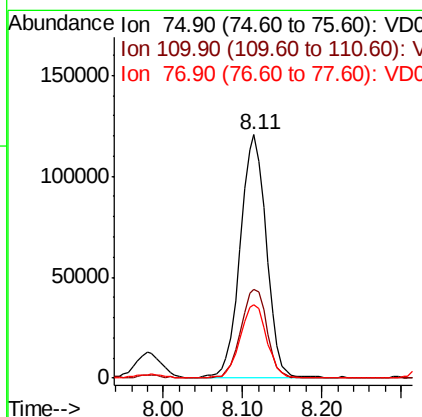
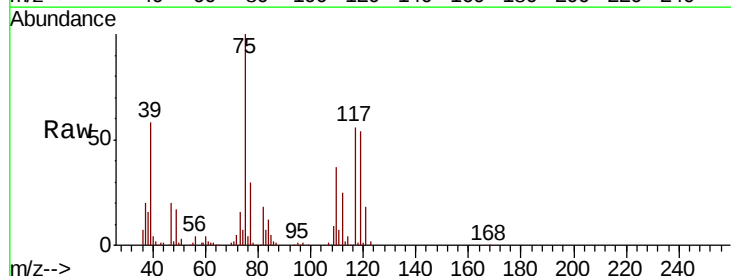
Manual Integrations
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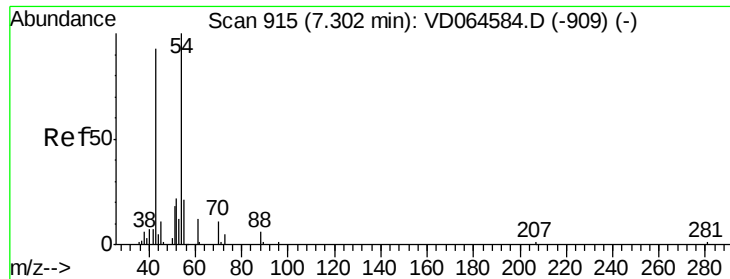
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#36
 1,1-Dichloropropene
 Concen: 48.789 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	276633		
110	36.7	18.1	54.1	
77	30.7	24.2	36.4	





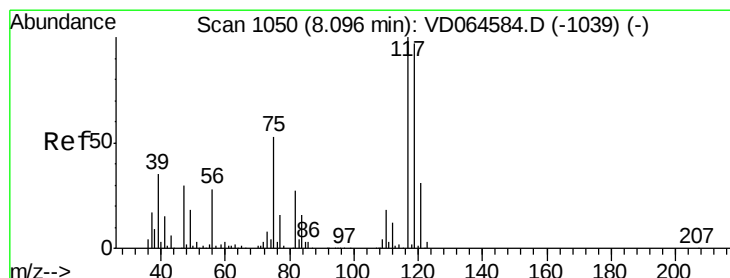
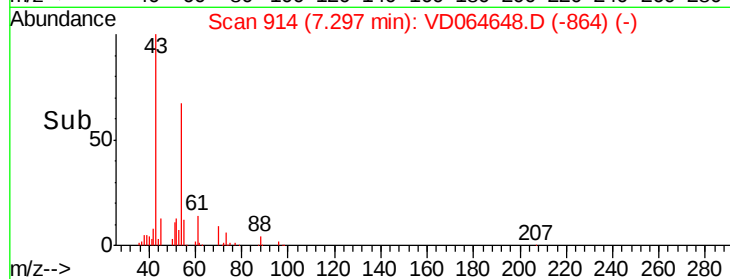
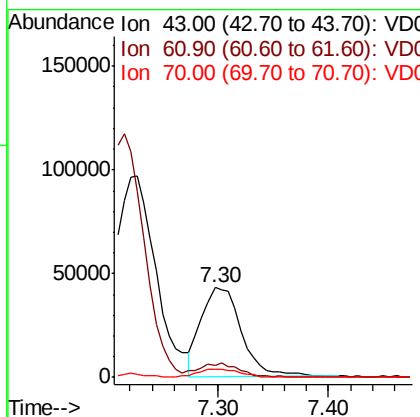
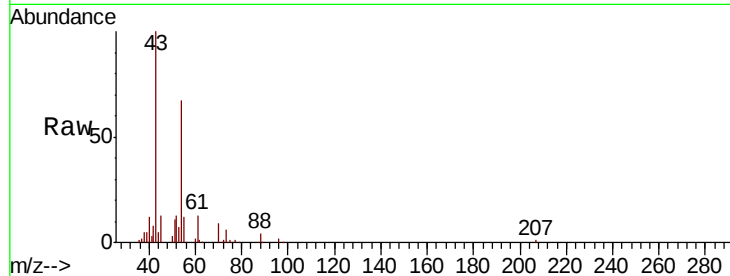
#37
Ethyl Acetate
Concen: 48.650 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	10.3	15.5#
70	10.2	7.6	11.4

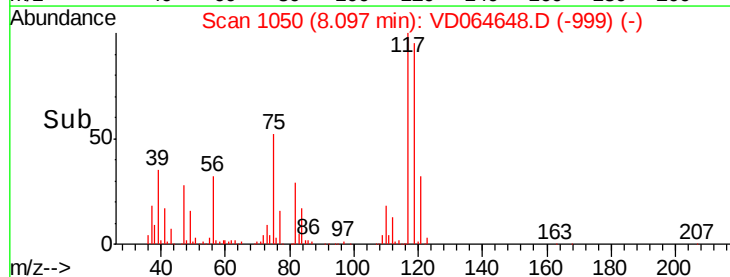
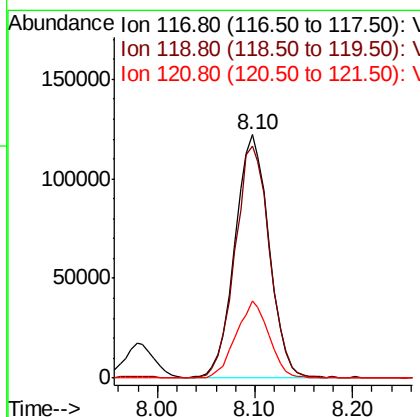
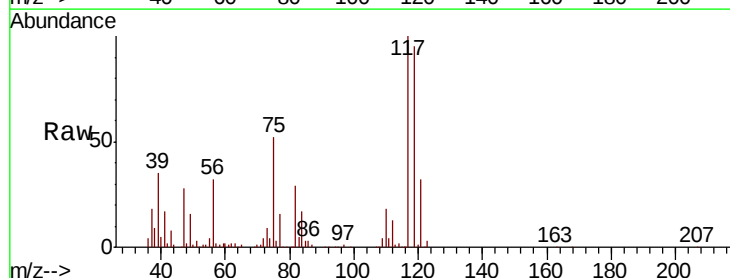
Manual Integrations
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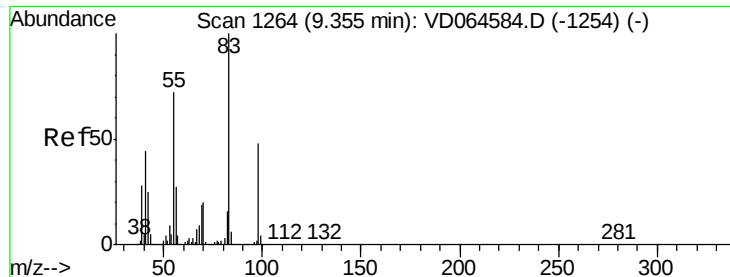
apatel
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#38
Carbon Tetrachloride
Concen: 49.085 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.3	115.9
121	32.0	25.0	37.6





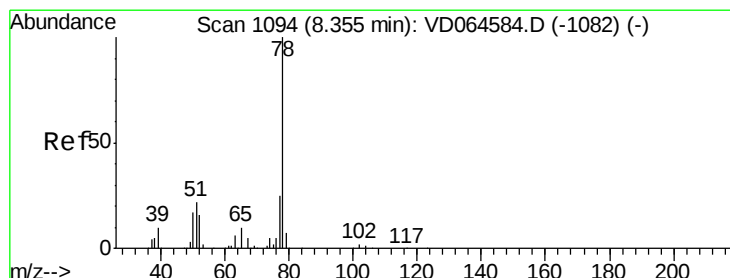
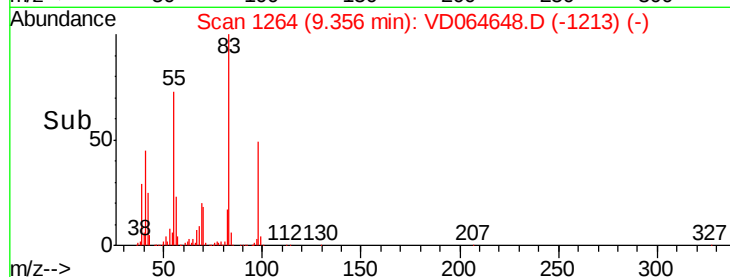
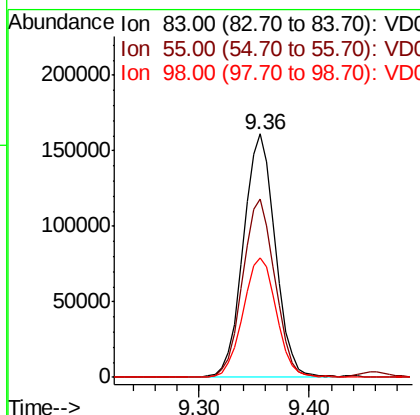
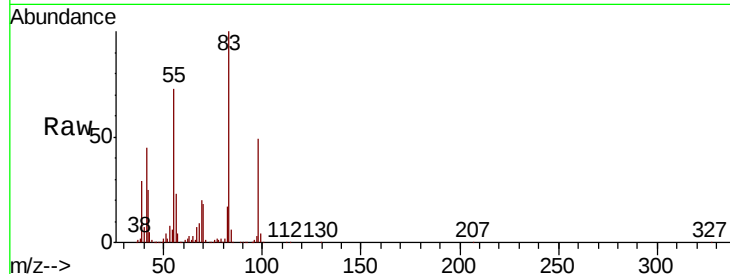
#39
Methvlcvclohexane
Concen: 47.768 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.1	57.8	86.6
98	49.0	38.7	58.1

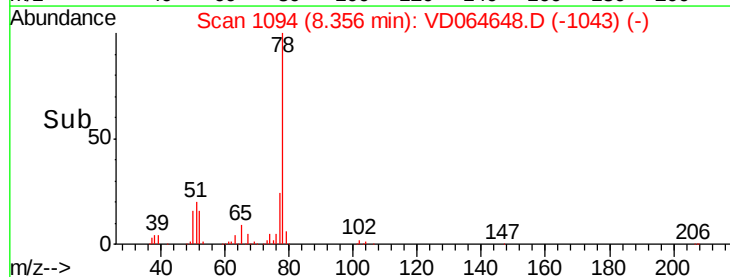
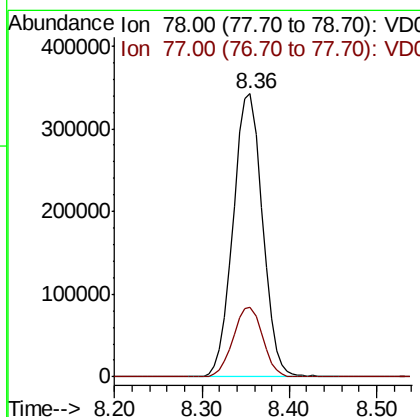
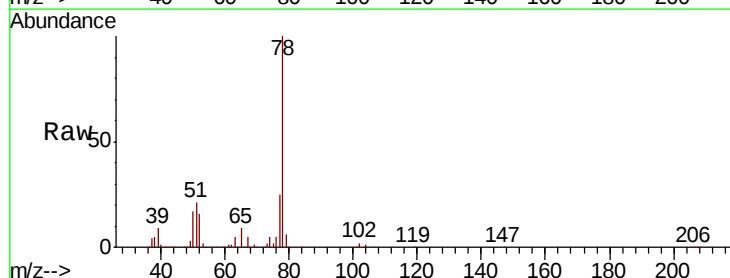
Manual Integrations
APPROVED

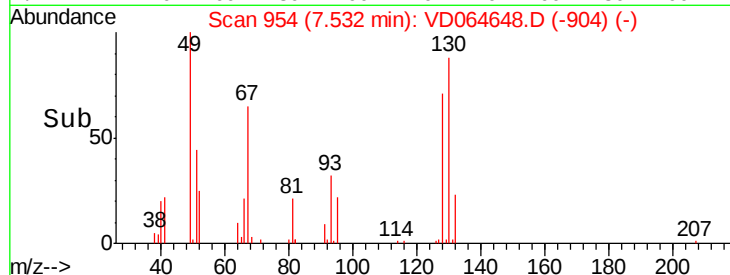
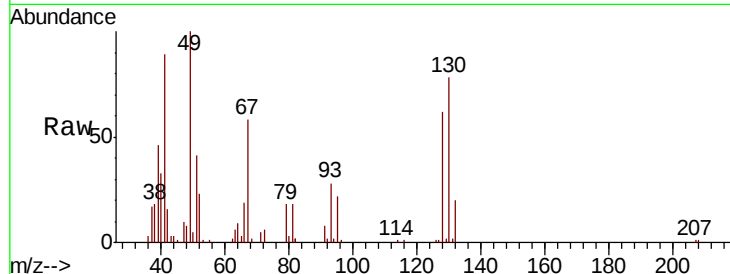
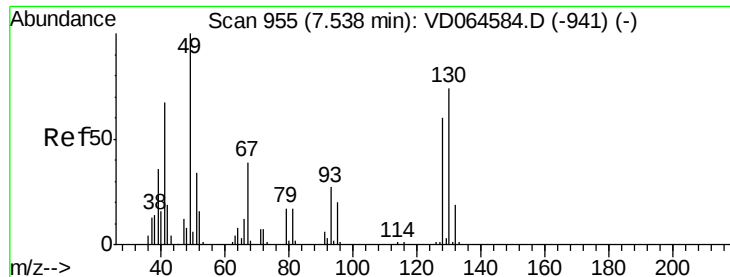
apatel
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#40
Benzene
Concen: 50.333 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.9	29.9





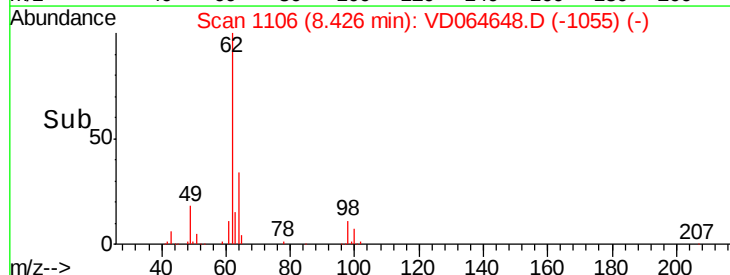
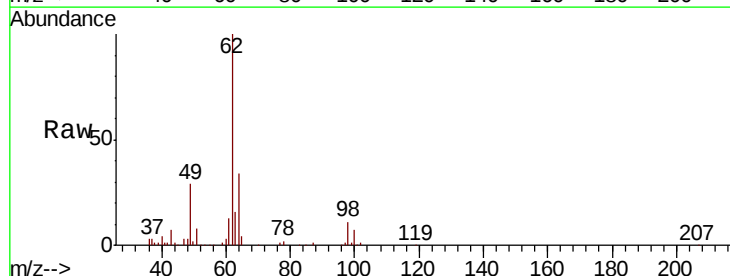
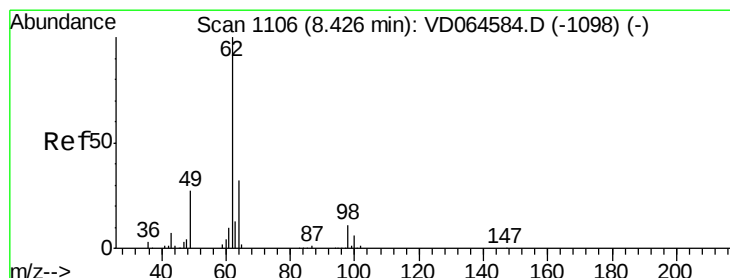
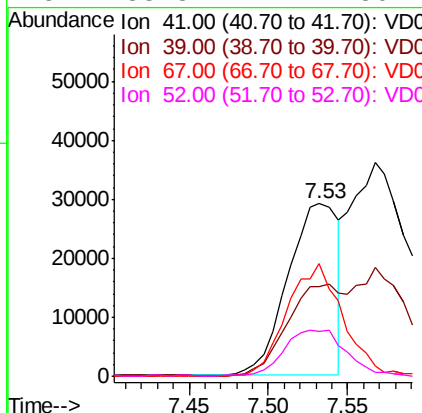
#41
Methacrylonitrile
Concen: 49.814 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.3	46.7	70.1
67	72.8	52.5	78.7
52	33.3	24.1	36.1

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

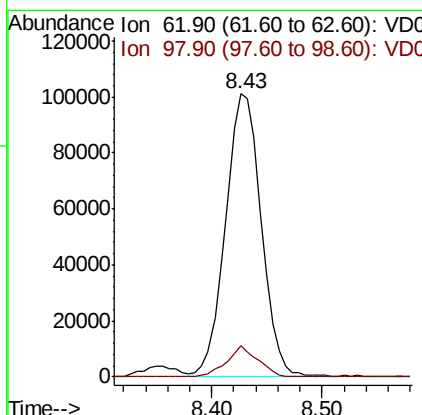
Manual Integrations
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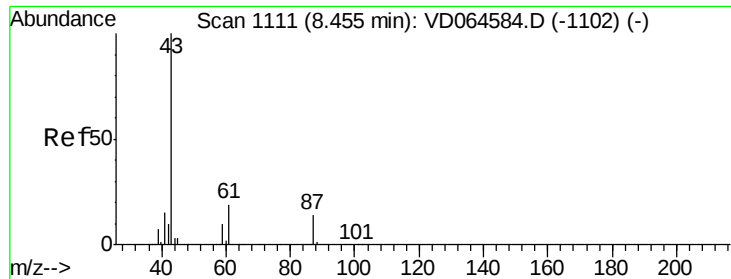
apatel
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#42
1,2-Dichloroethane
Concen: 51.092 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.0





#43

Isopropyl Acetate

Concen: 50.936 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

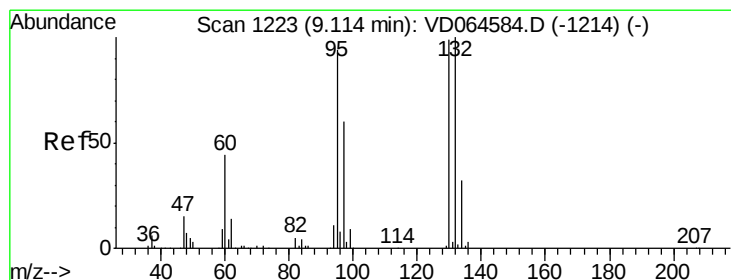
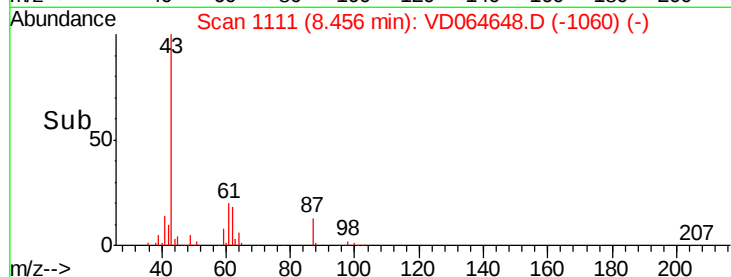
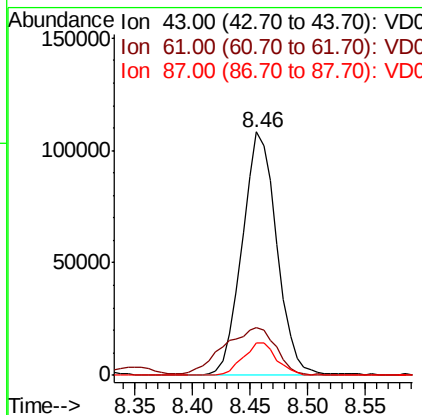
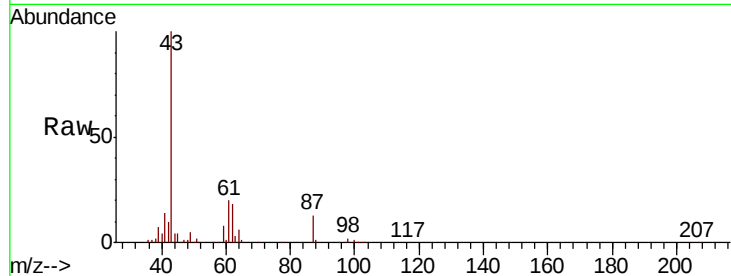
ClientSampleId :

SB-2-(4-5)MSD

Tot Ion:	43	Resp:	225827
Ion Ratio		Lower	Upper
43	100		
61	29.9	23.7	35.5
87	13.1	10.5	15.7

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#44

Trichloroethene

Concen: 49.918 ug/l

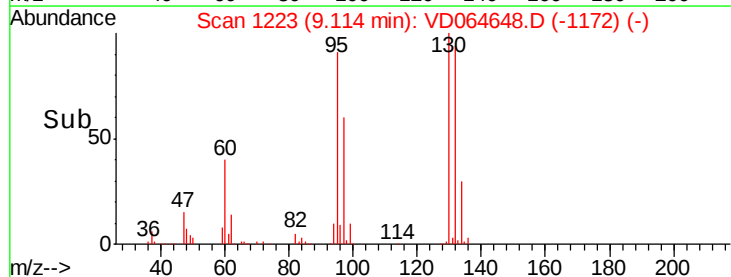
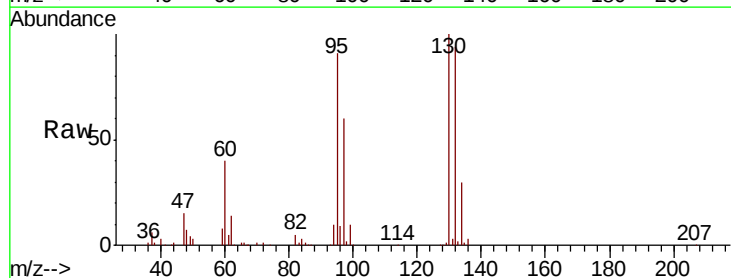
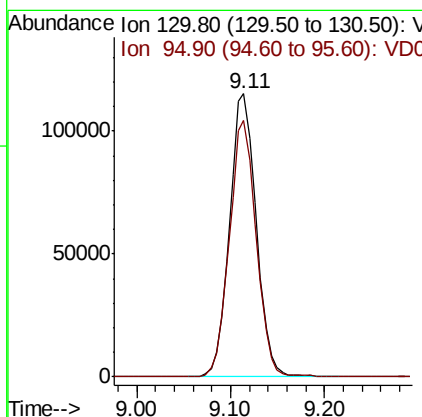
RT: 9.11 min Scan# 1223

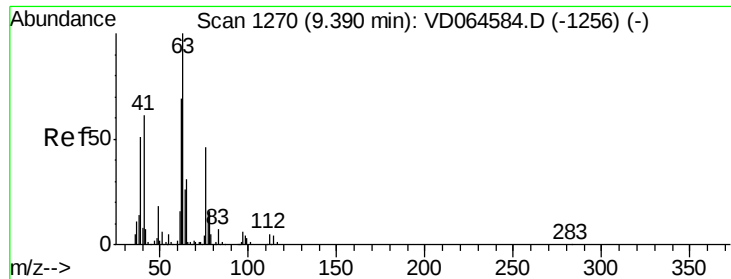
Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Tgt Ion:	130	Resp:	226979
Ion Ratio		Lower	Upper
130	100		
95	90.8	0.0	190.2





#45

1,2-Dichloropropane

Concen: 51.358 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MSD

Tot Ion: 63 Resp: 189801

Ion Ratio Lower Upper

63 100

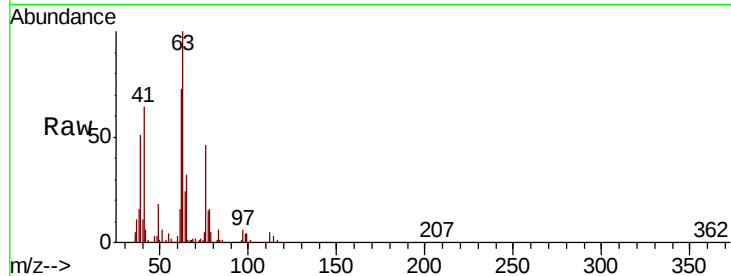
65 32.4 25.2 37.8

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

100000

80000

60000

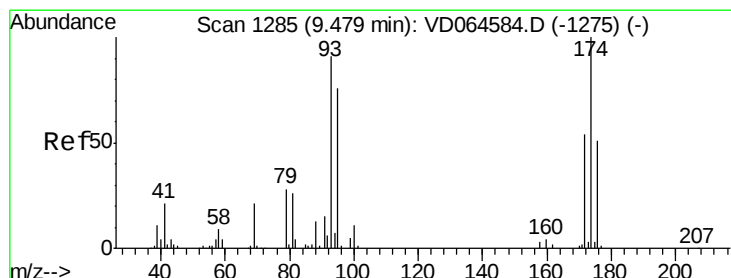
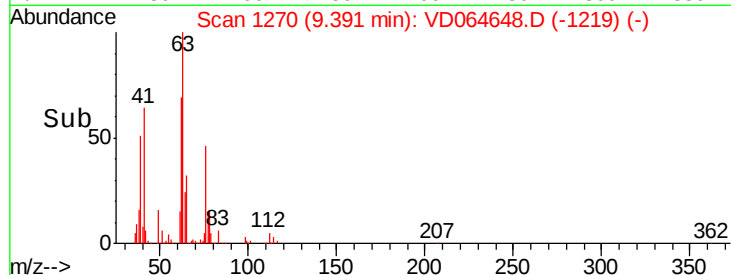
40000

20000

0

Time-->

9.30 9.40 9.50



#46

Dibromomethane

Concen: 52.311 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

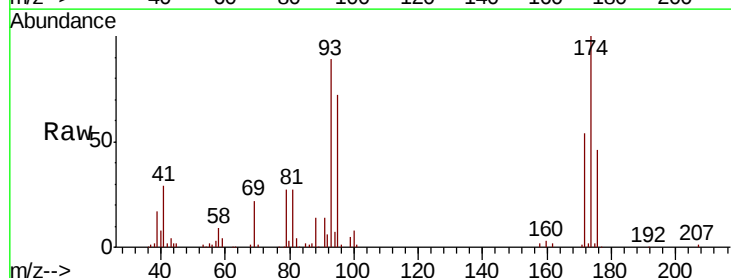
Tgt Ion: 93 Resp: 107785

Ion Ratio Lower Upper

93 100

95 81.2 64.6 97.0

174 110.8 88.1 132.1



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

80000

60000

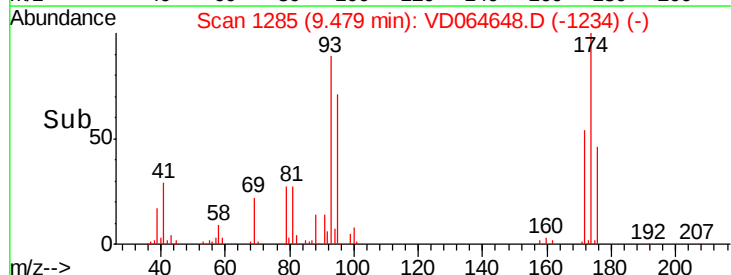
40000

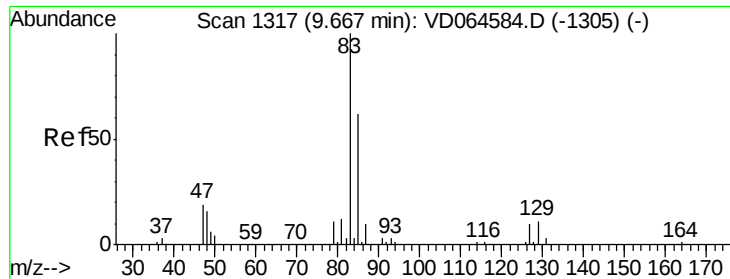
20000

0

Time-->

9.40 9.50 9.60





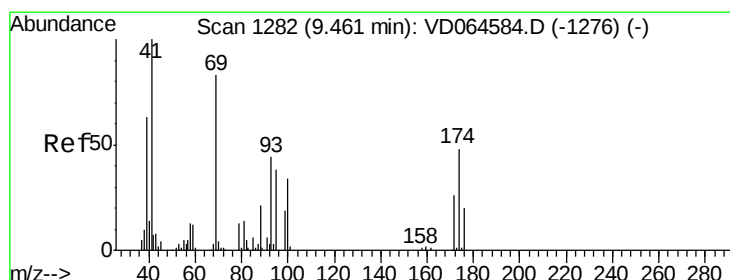
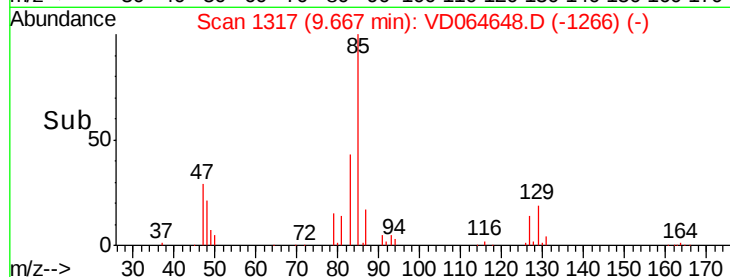
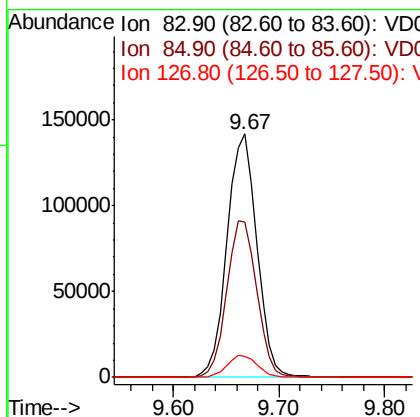
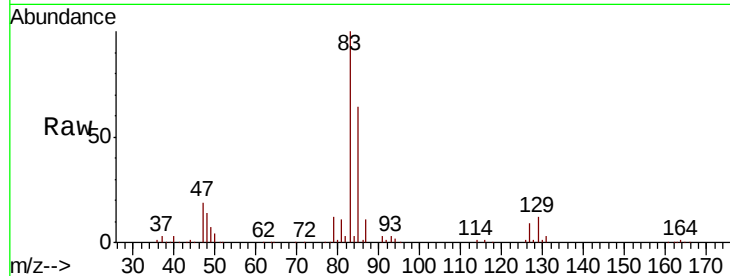
#47
Bromodichloromethane
Concen: 50.512 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	276949		
85	63.9	49.5	74.3	
127	8.7	7.8	11.6	

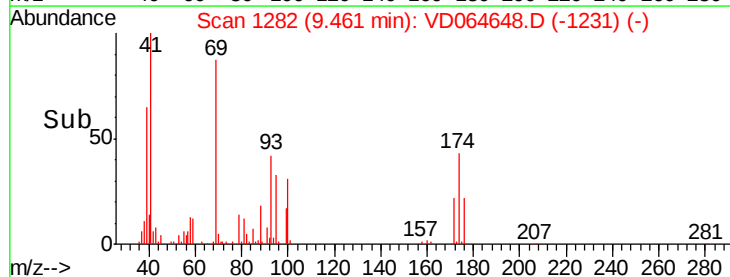
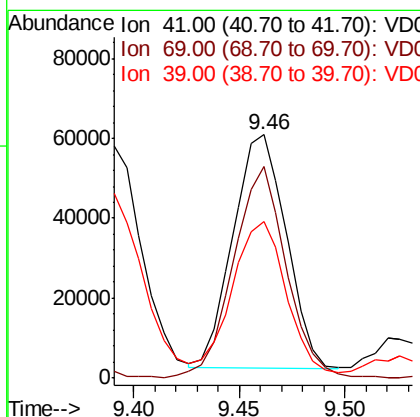
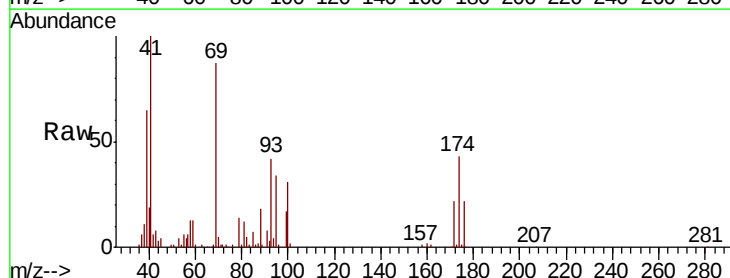
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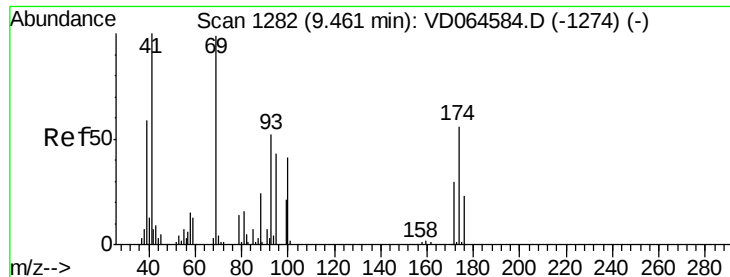
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#48
Methyl methacrylate
Concen: 48.965 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	102218		
69	89.4	63.0	94.6	
39	64.7	47.4	71.2	





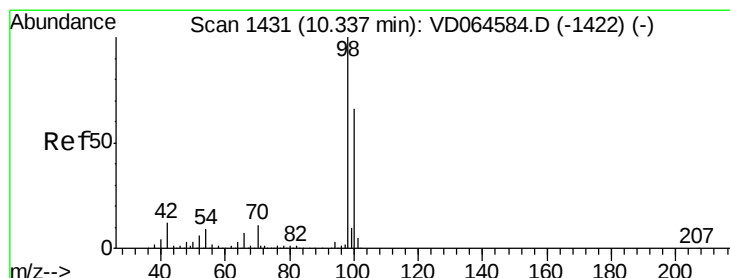
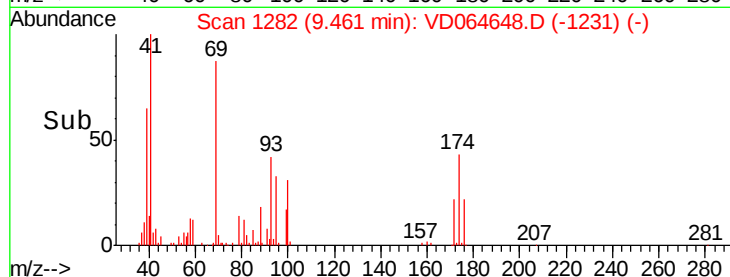
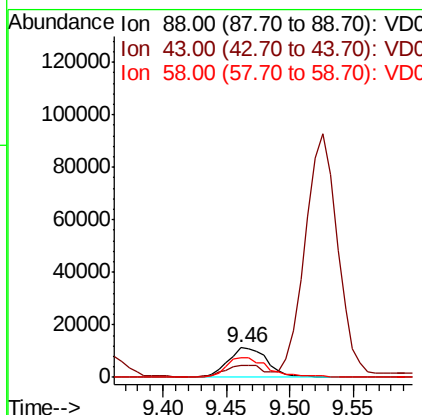
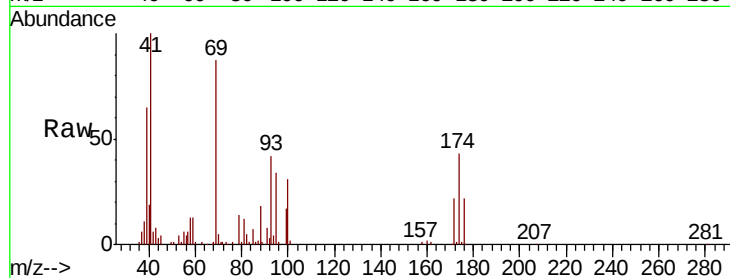
#49
1,4-Dioxane
Concen: 1038.743 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.3	27.7	41.5
58	68.4	53.8	80.6

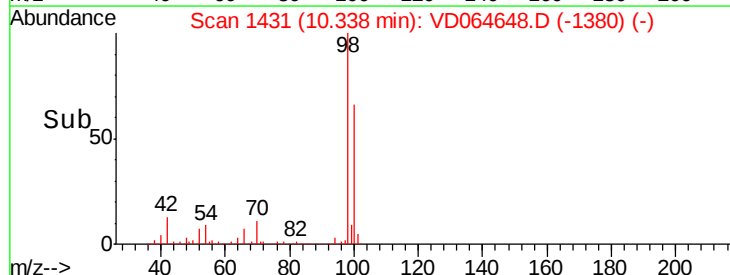
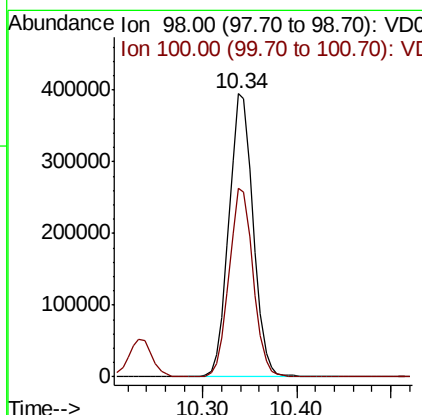
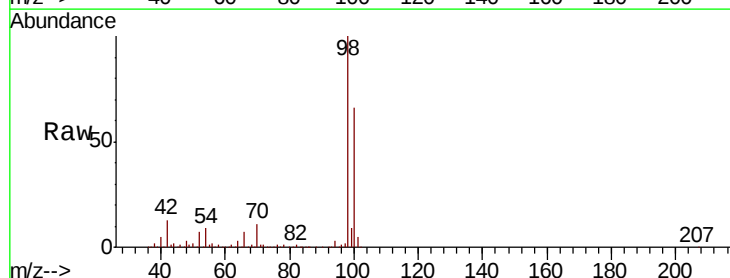
Manual Integrations
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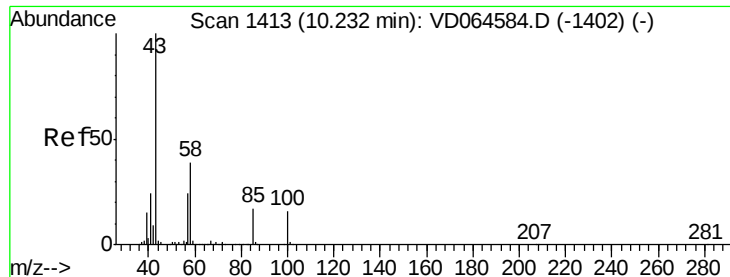
apatel
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#50
Toluene-d8
Concen: 51.202 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 258.739 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MSD

Tot Ion: 43 Resp: 567004

Ion Ratio Lower Upper

43 100

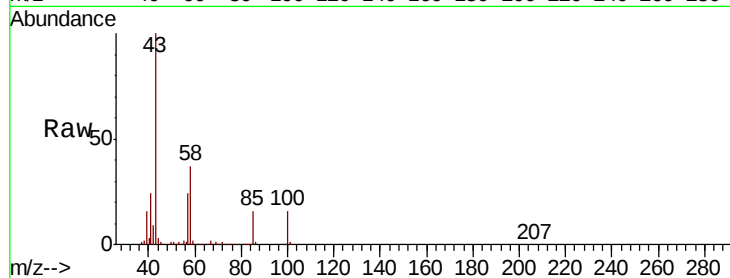
58 37.6 30.2 45.2

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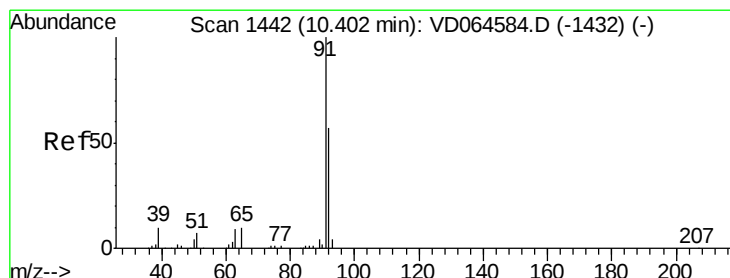
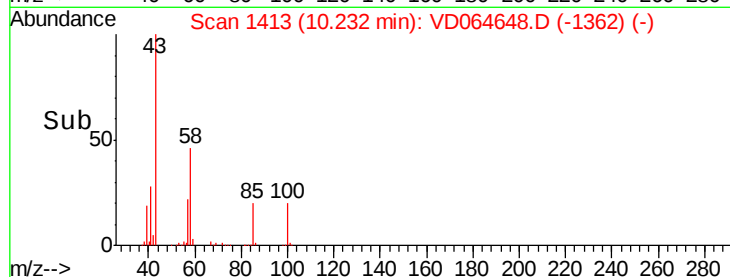
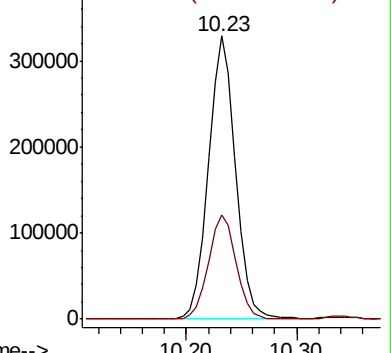
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 49.972 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064648.D

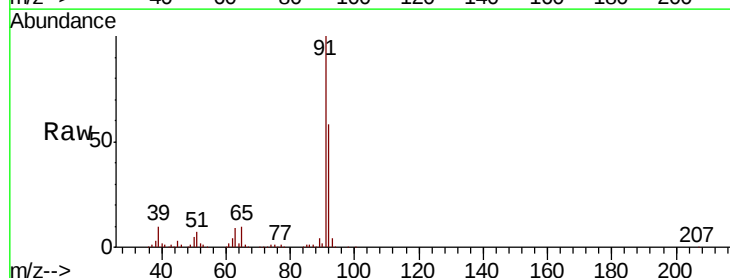
Acq: 27 Dec 2019 16:48

Tgt Ion: 92 Resp: 507469

Ion Ratio Lower Upper

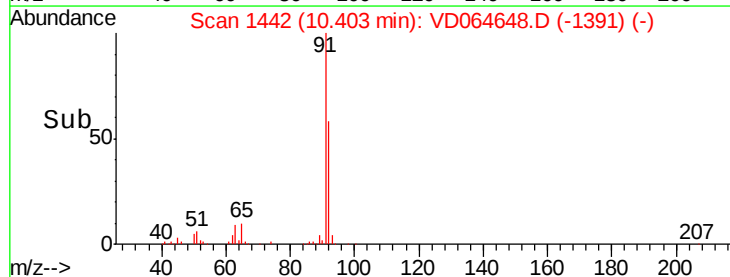
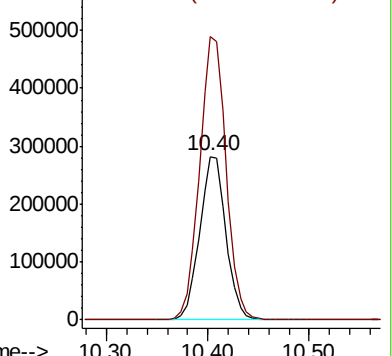
92 100

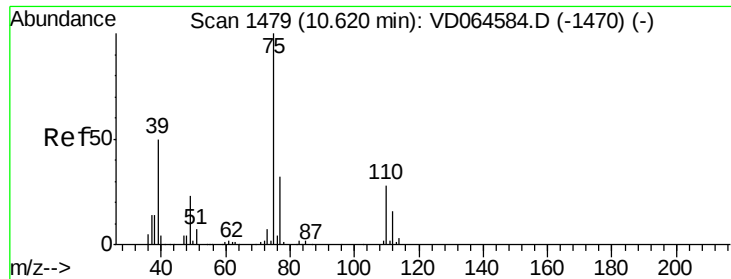
91 174.9 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





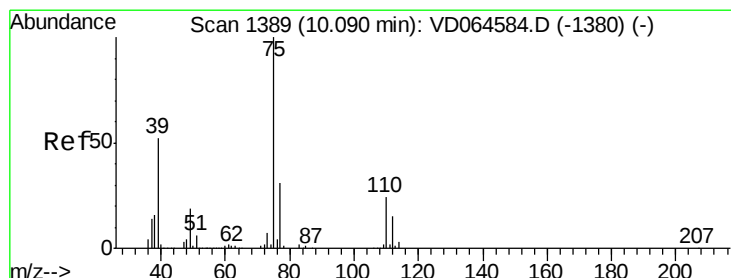
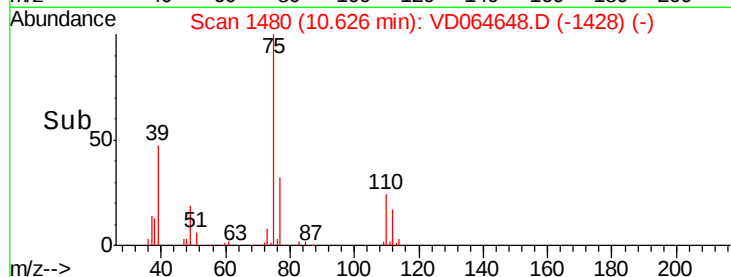
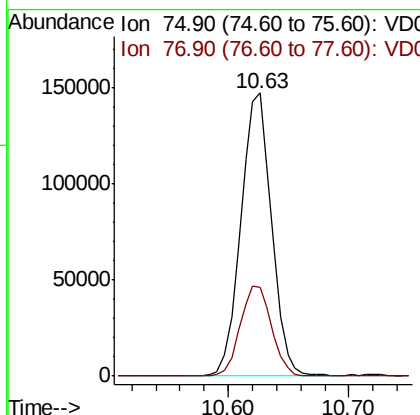
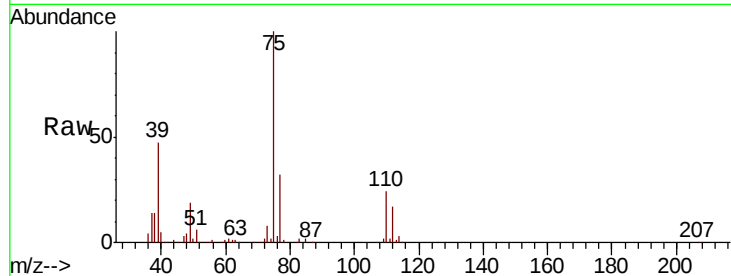
#53
t-1,3-Dichloropropene
Concen: 51.082 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion: 75 Resp: 261120
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2

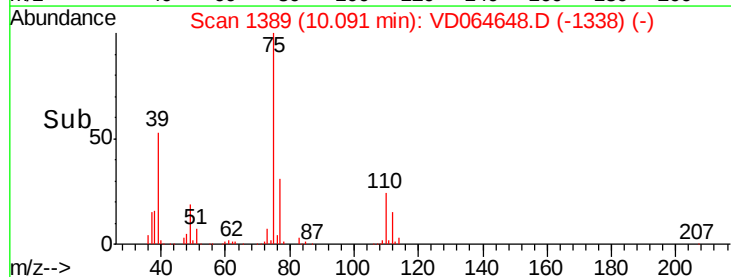
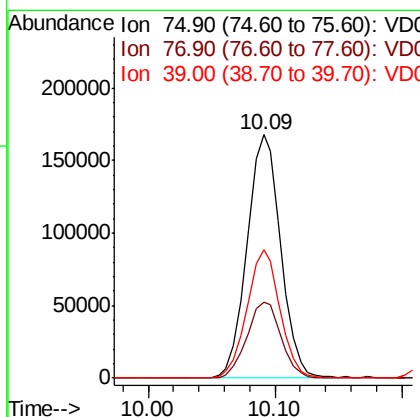
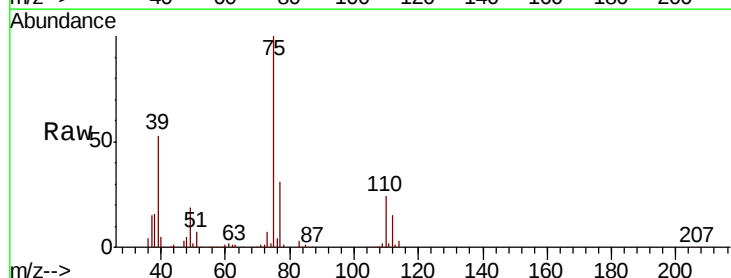
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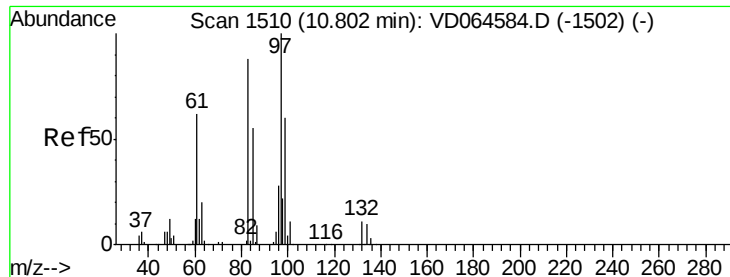
apatel
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#54
cis-1,3-Dichloropropene
Concen: 51.370 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion: 75 Resp: 309631
Ion Ratio Lower Upper
75 100
77 31.5 24.6 36.8
39 52.6 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 51.043 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MSD

Tot Ion: 97 Resp: 141736

Ion Ratio Lower Upper

97 100

83 83.9 70.2 105.4

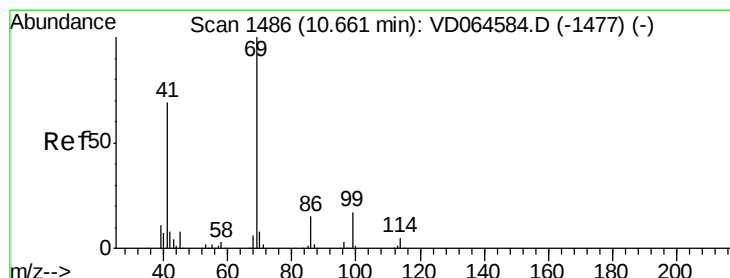
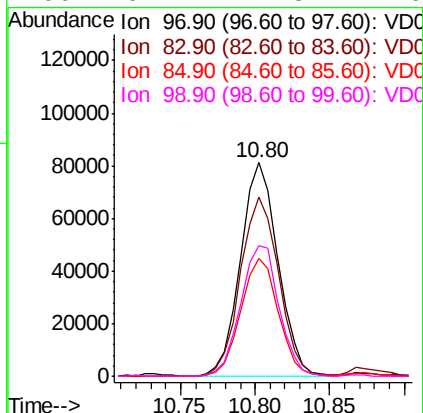
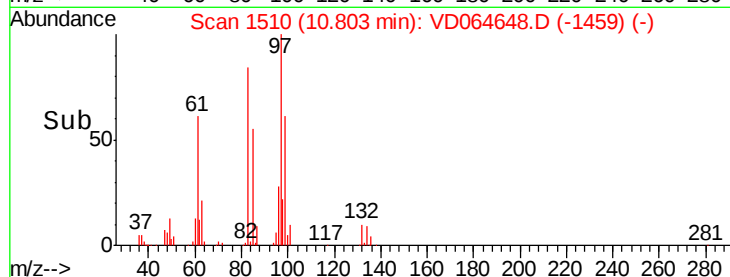
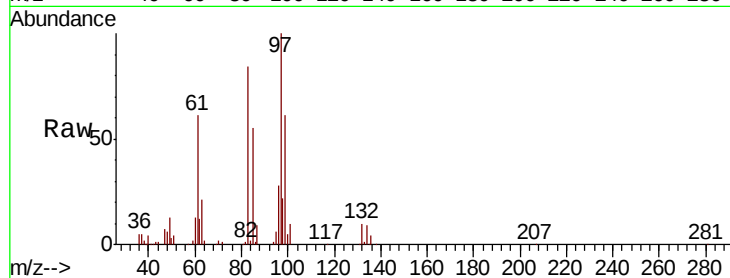
85 55.1 44.0 66.0

99 61.4 47.8 71.6

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#56

Ethyl methacrylate

Concen: 52.715 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

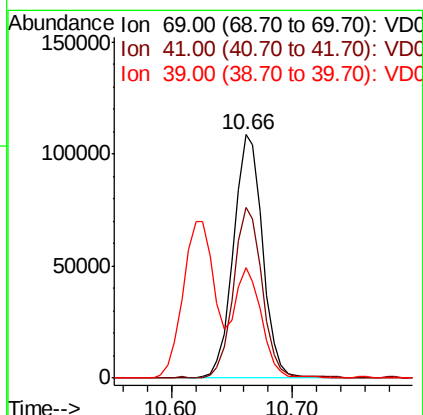
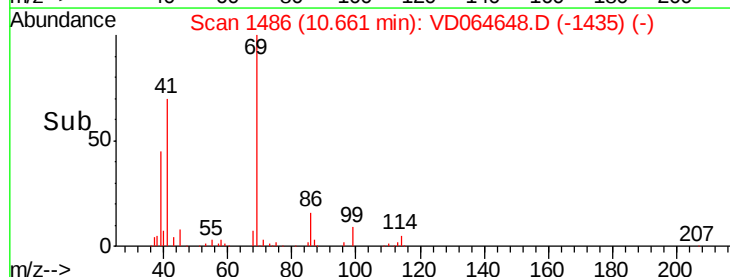
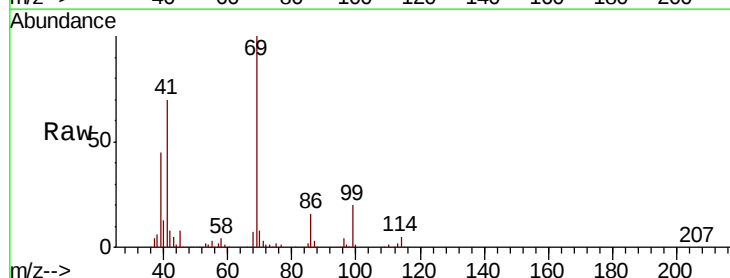
Tgt Ion: 69 Resp: 182812

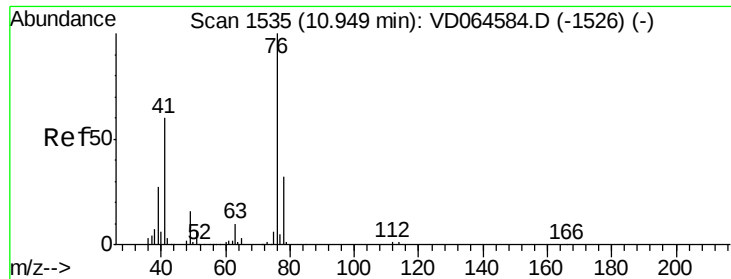
Ion Ratio Lower Upper

69 100

41 68.6 55.3 82.9

39 41.1 33.8 50.8





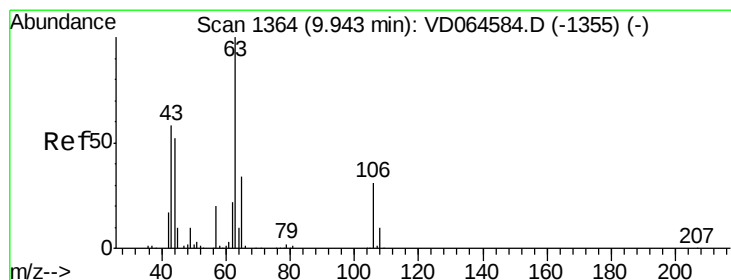
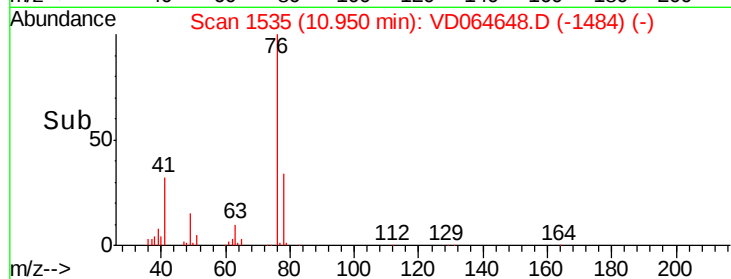
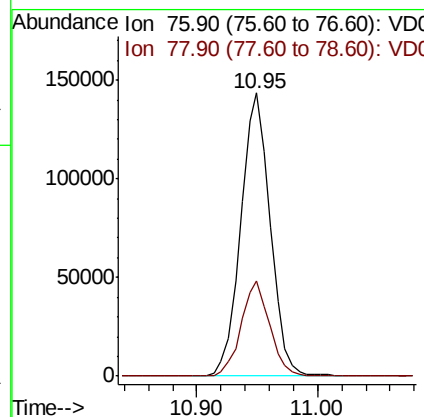
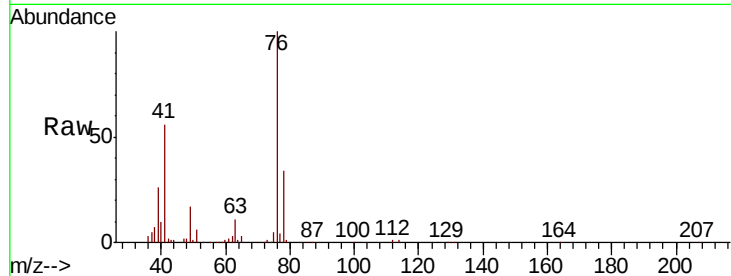
#57
 1,3-Dichloropropane
 Concen: 50.996 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MSD

Tot Ion: 76 Resp: 243819
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.4

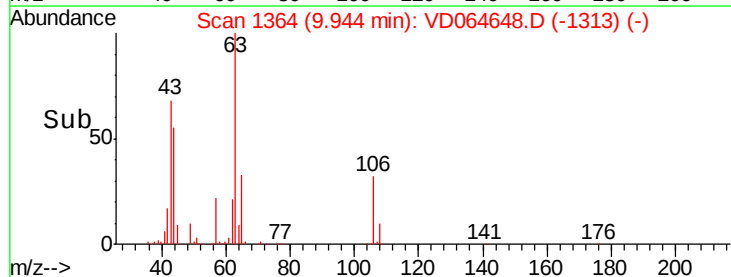
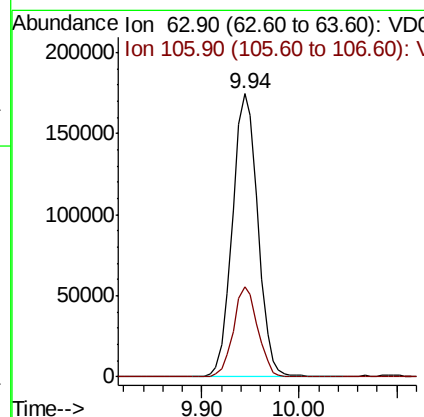
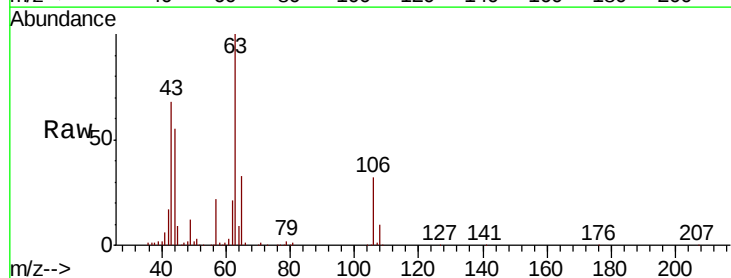
Manual Integrations
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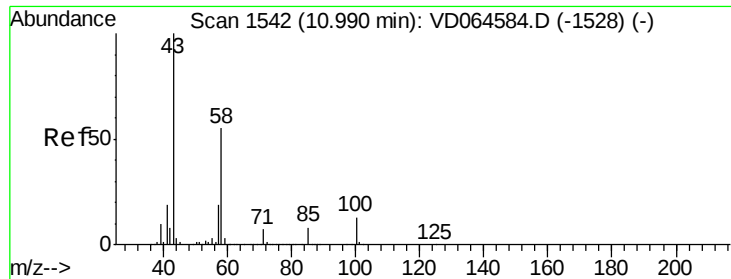
apatel
 12/30/2019 11:03:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 239.121 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Tgt Ion: 63 Resp: 315936
 Ion Ratio Lower Upper
 63 100
 106 30.2 23.8 35.8





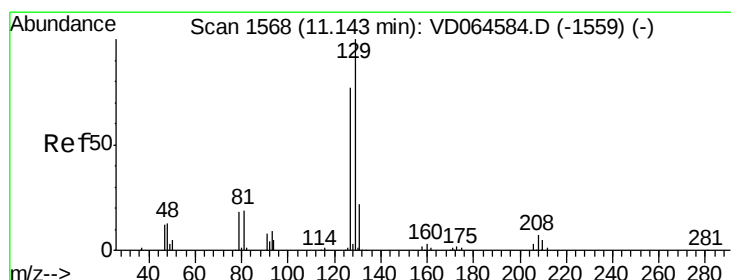
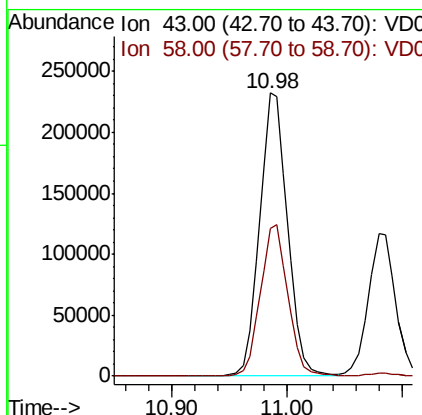
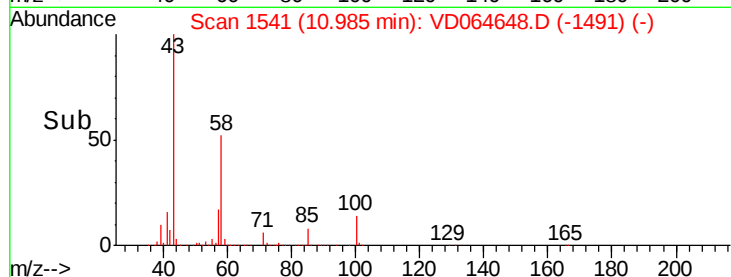
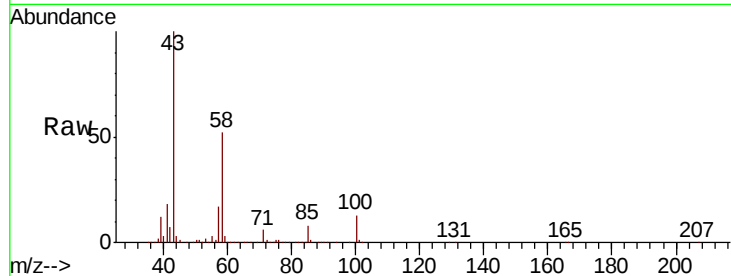
#59
2-Hexanone
Concen: 263.924 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion: 43 Resp: 392549
Ion Ratio Lower Upper
43 100
58 52.9 26.4 79.0

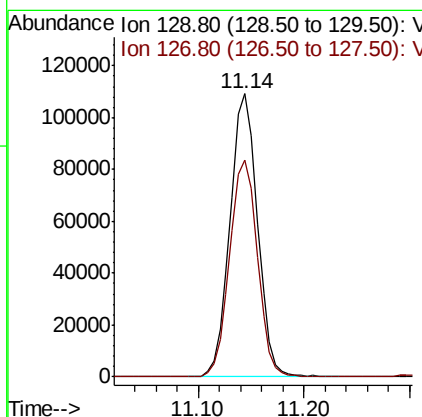
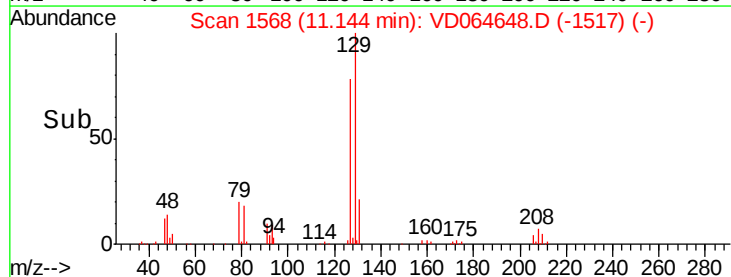
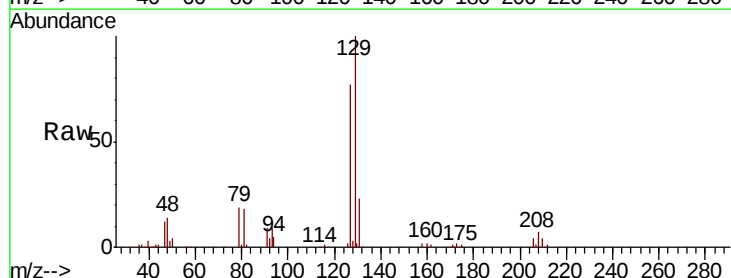
Manual Integrations
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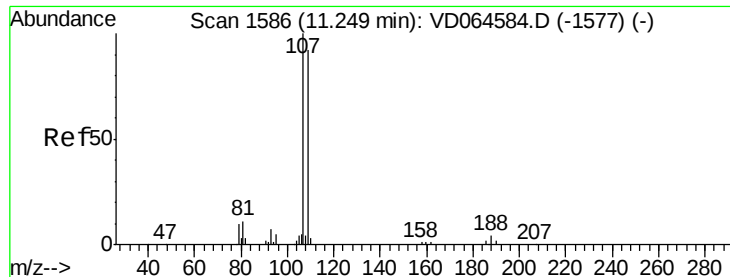
apatel
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#60
Dibromochloromethane
Concen: 51.025 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion: 129 Resp: 195936
Ion Ratio Lower Upper
129 100
127 77.8 38.4 115.2





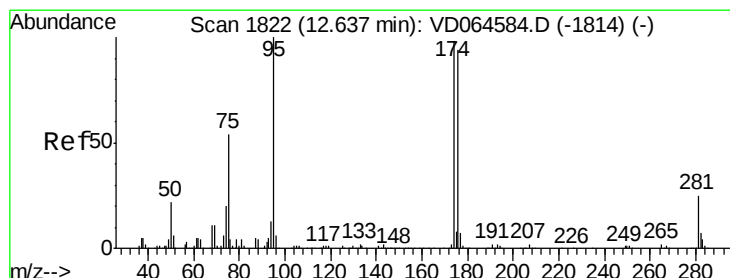
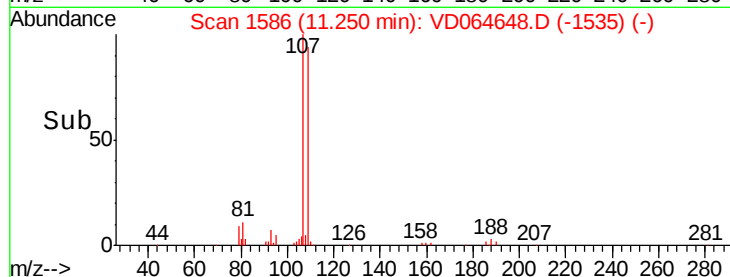
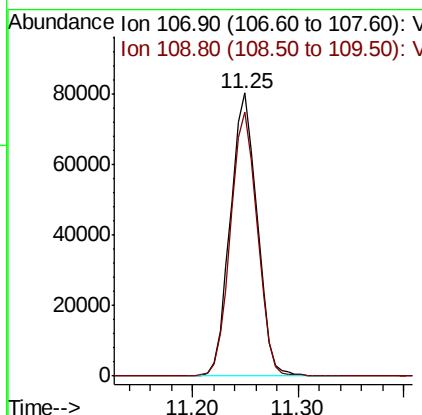
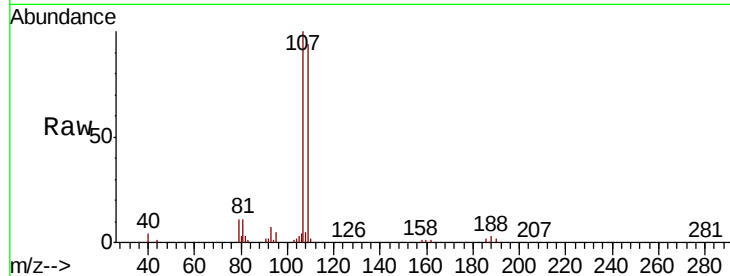
#61
 1,2-Dibromoethane
 Concen: 51.594 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MSD

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.6	113.4

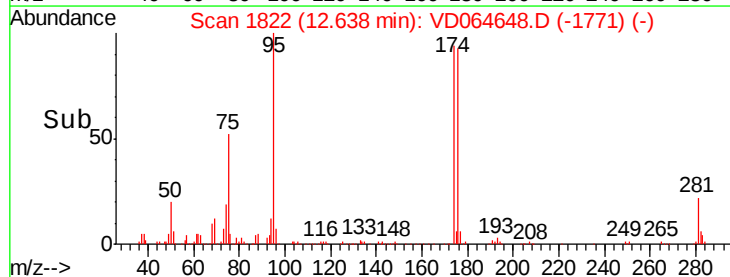
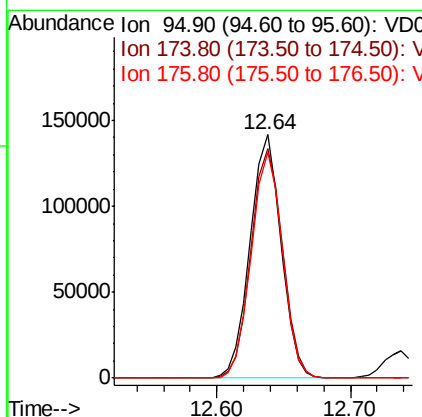
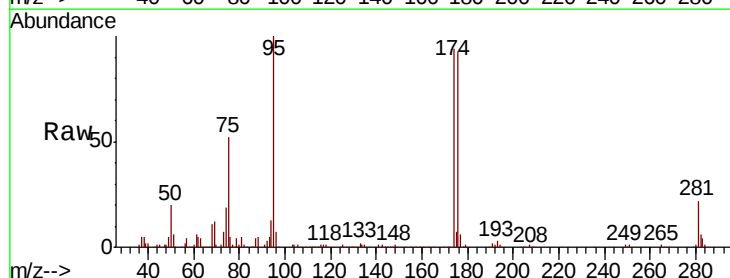
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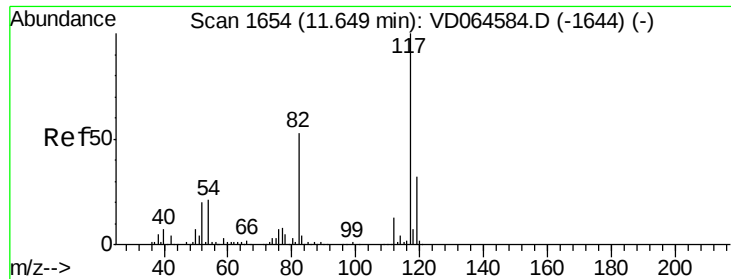
apatel
 12/30/2019 11:03:10 AM



#62
 4-Bromofluorobenzene
 Concen: 51.965 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.1	0.0	193.2
176	93.0	0.0	184.2





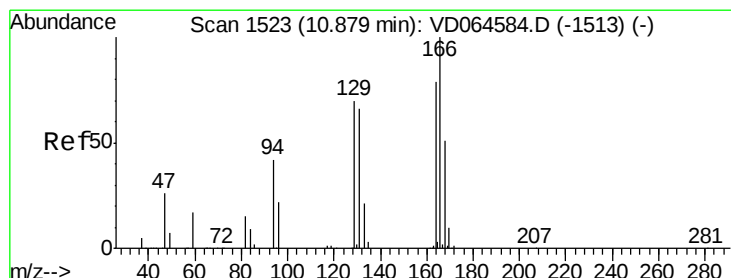
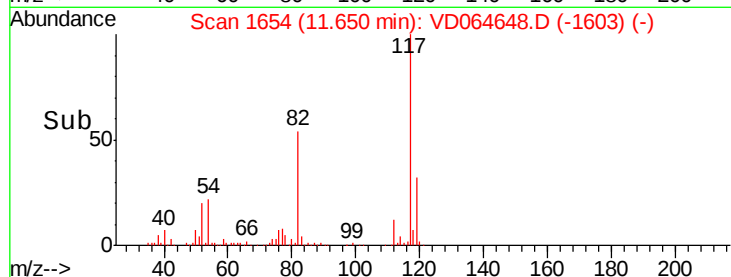
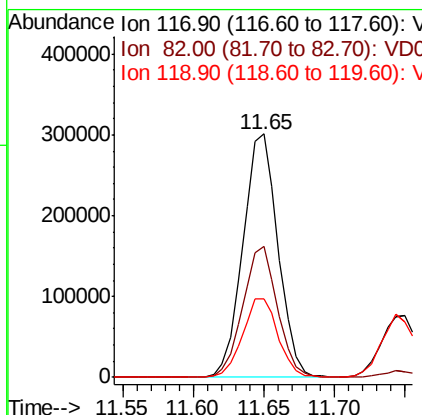
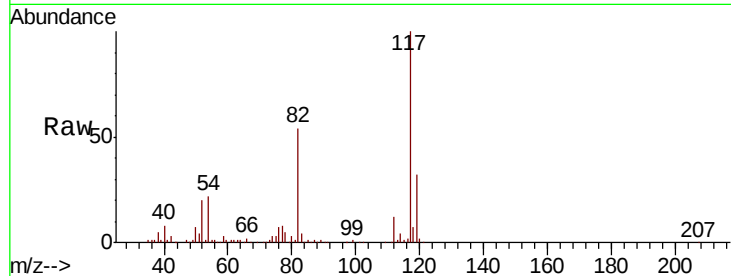
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.2	63.4
119	32.1	26.0	39.0

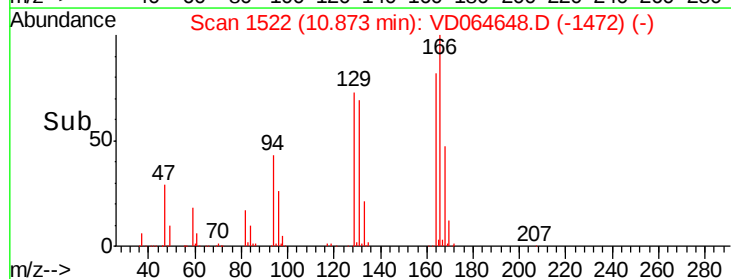
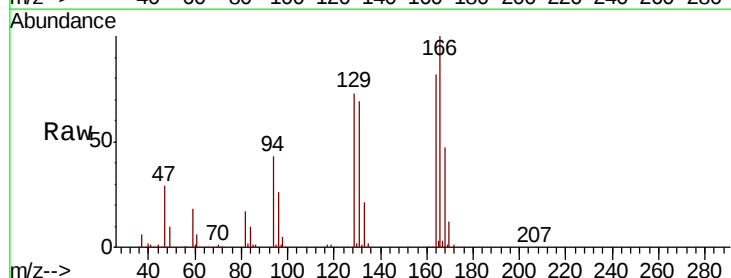
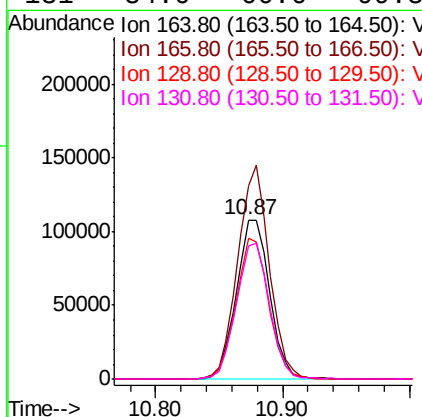
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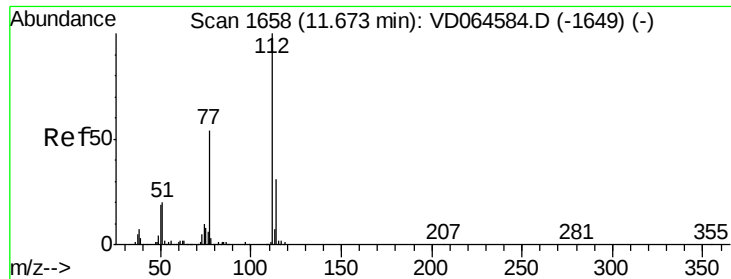
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#64
Tetrachloroethene
Concen: 48.705 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.8	101.3	151.9
129	88.4	70.5	105.7
131	84.0	66.6	99.8





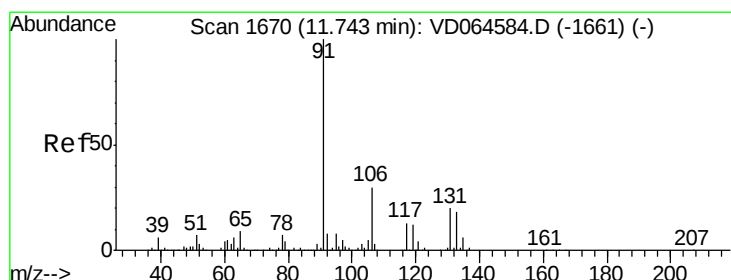
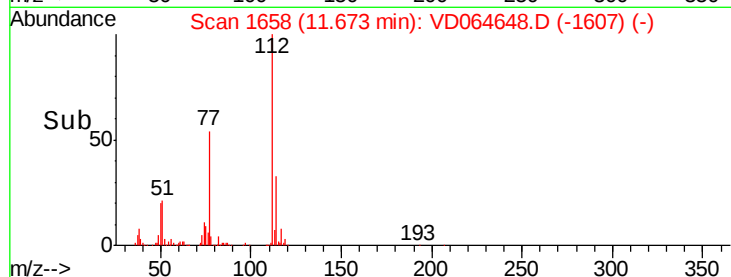
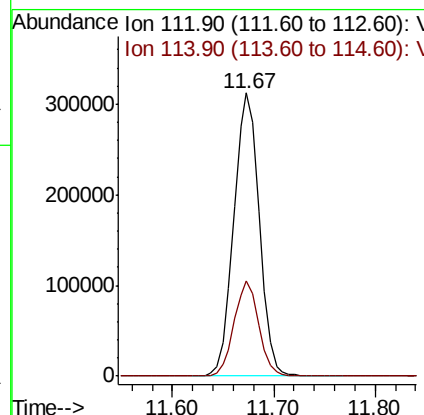
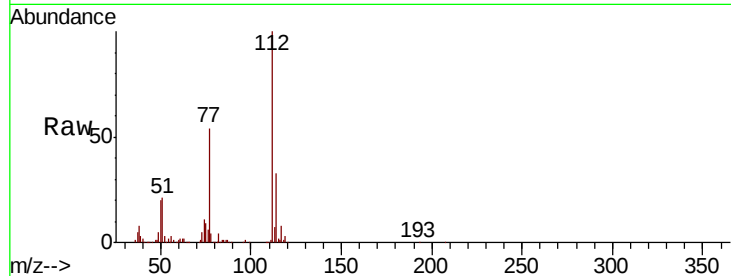
#65
Chlorobenzene
Concen: 49.828 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.5	24.8	37.2

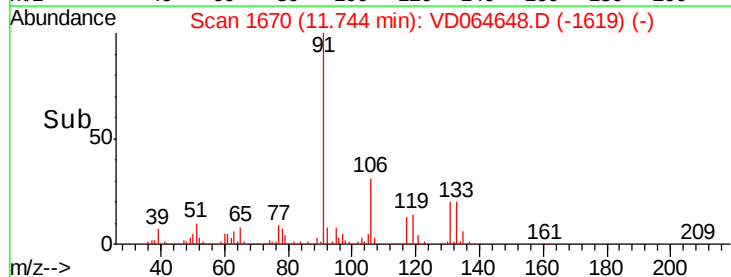
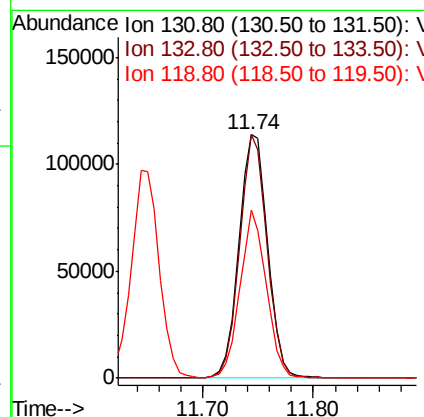
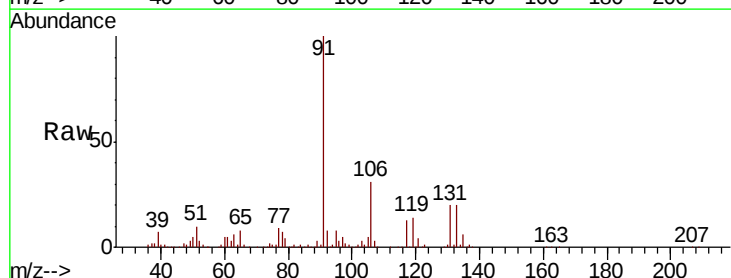
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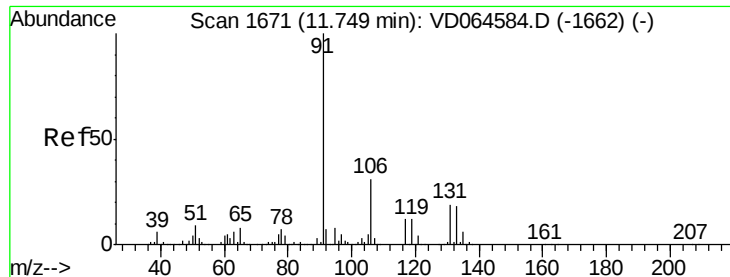
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.521 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	48.3	144.8
119	63.6	32.1	96.3





#67

Ethyl Benzene

Concen: 49.741 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MSD

Tot Ion: 91 Resp: 983808

Ion Ratio Lower Upper

91 100

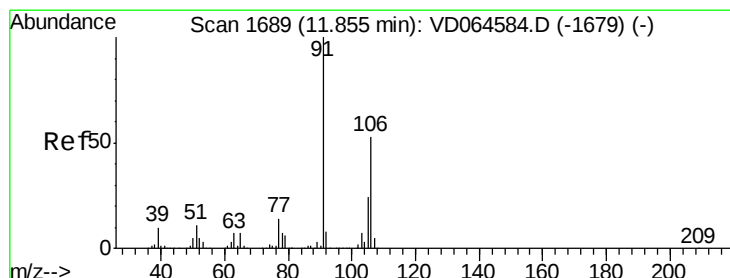
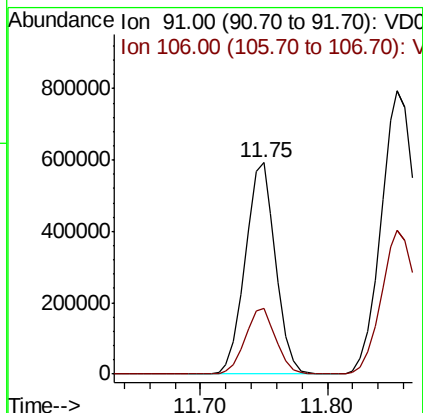
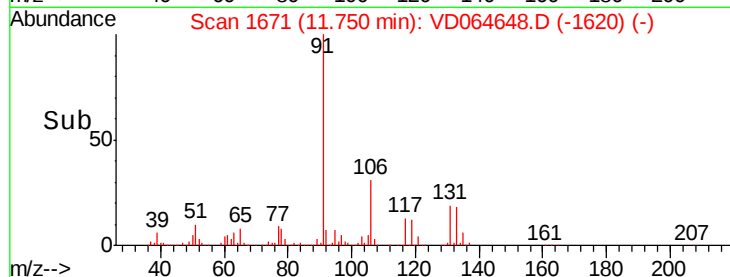
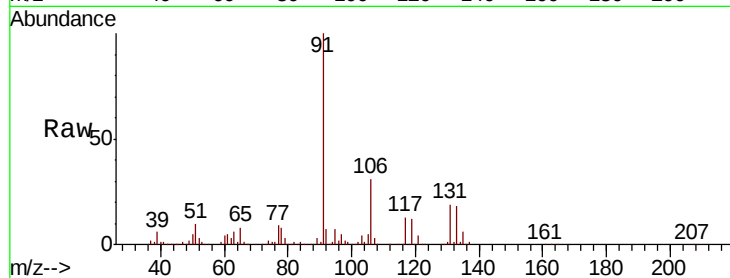
106 31.2 24.6 36.8

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#68

m/p-Xylenes

Concen: 99.963 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064648.D

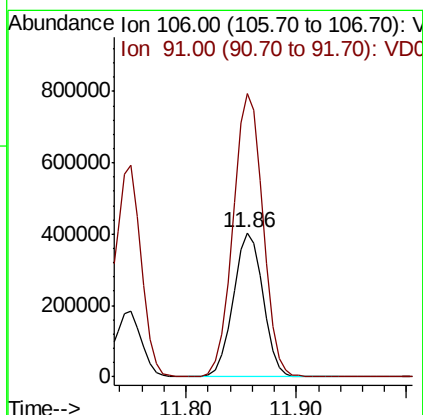
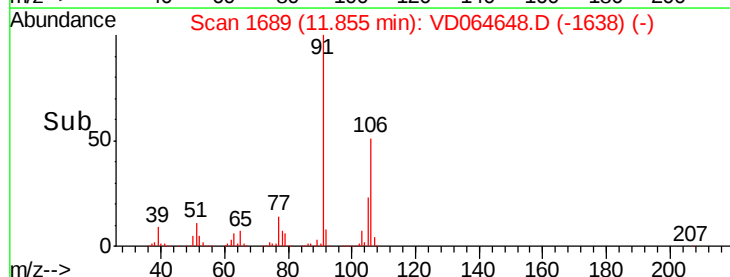
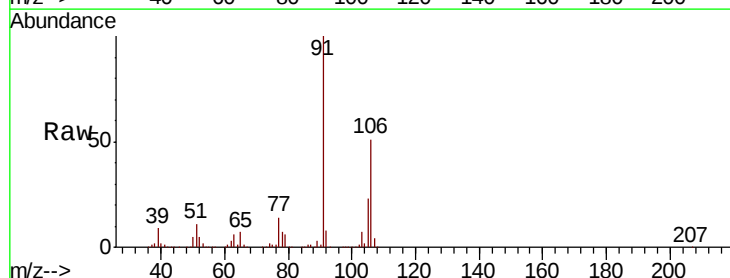
Acq: 27 Dec 2019 16:48

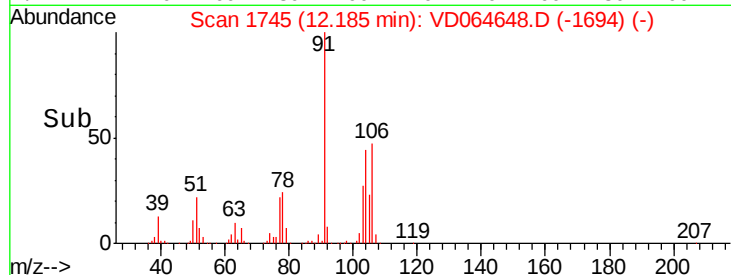
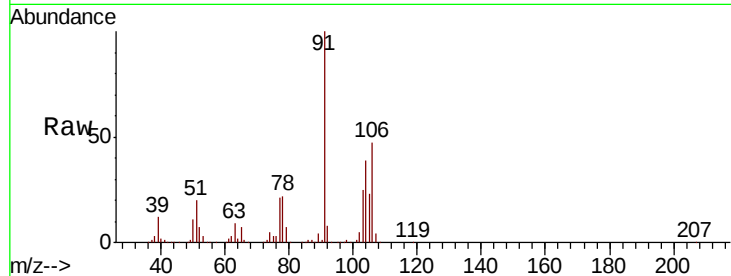
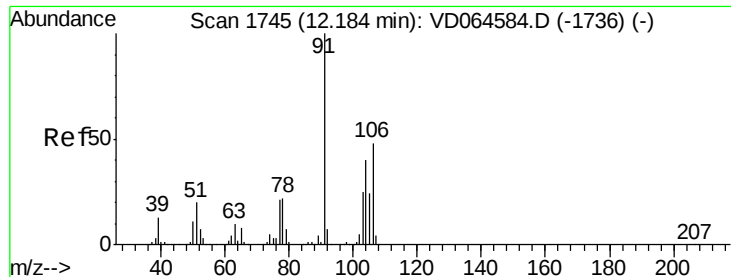
Tgt Ion: 106 Resp: 763131

Ion Ratio Lower Upper

106 100

91 197.9 156.3 234.5





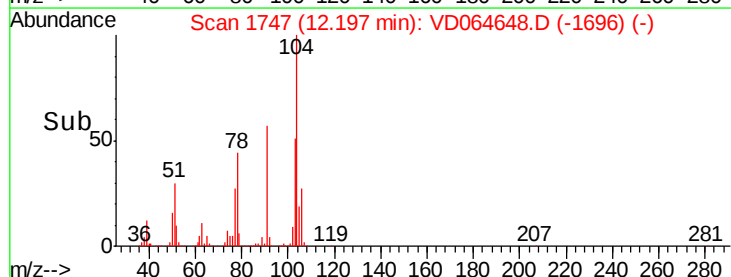
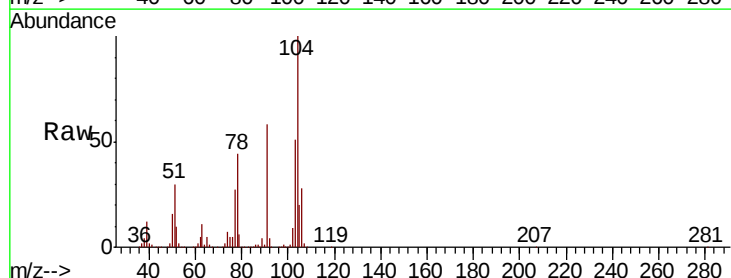
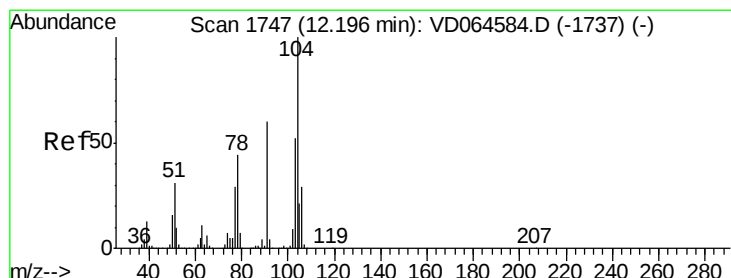
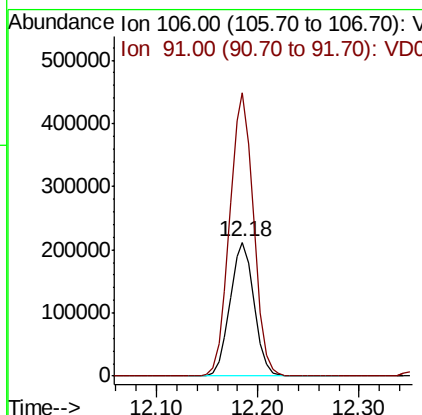
#69
o-Xylene
Concen: 50.518 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Instrument :
MSVOA_D
ClientSampleID :
SB-2-(4-5)MSD

Tot Ion:106 Resp: 348347
Ion Ratio Lower Upper
106 100
91 209.8 104.8 314.4

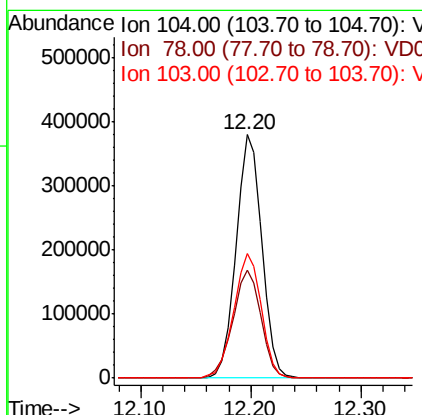
Manual Integrations
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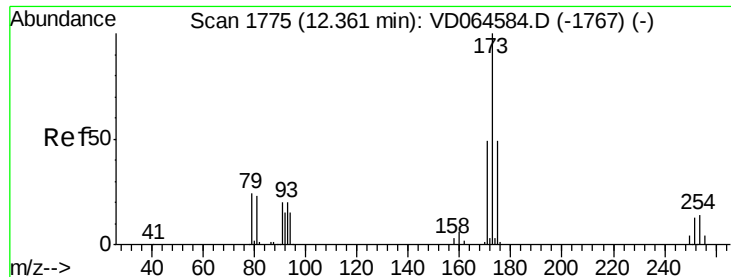
apatel
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#70
Styrene
Concen: 51.540 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion:104 Resp: 623816
Ion Ratio Lower Upper
104 100
78 48.5 38.2 57.2
103 54.9 44.6 67.0





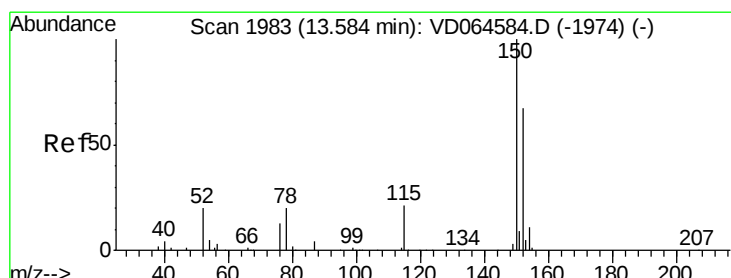
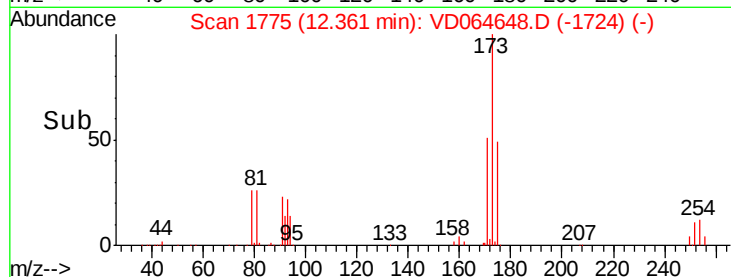
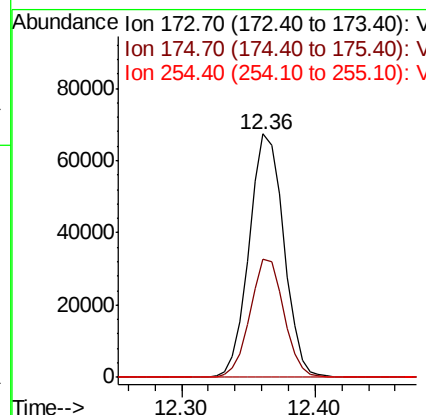
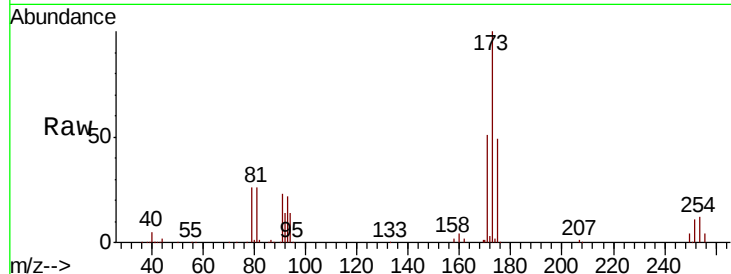
#71
Bromoform
Concen: 51.483 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.6	73.8
254	0.1	0.1	0.1#

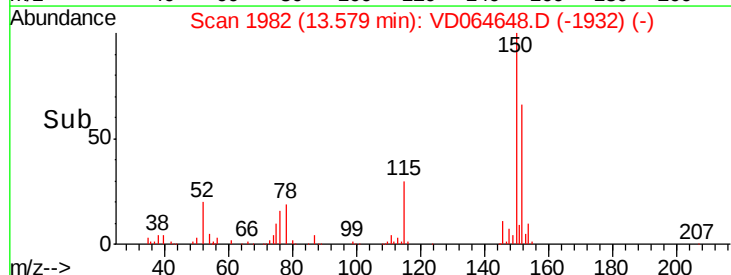
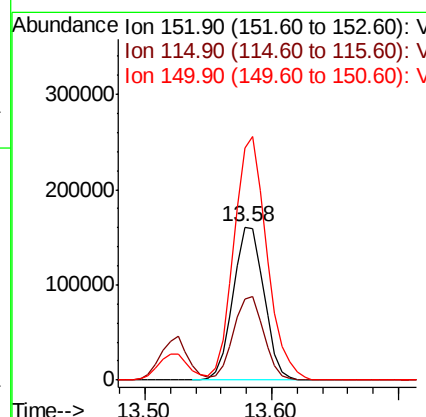
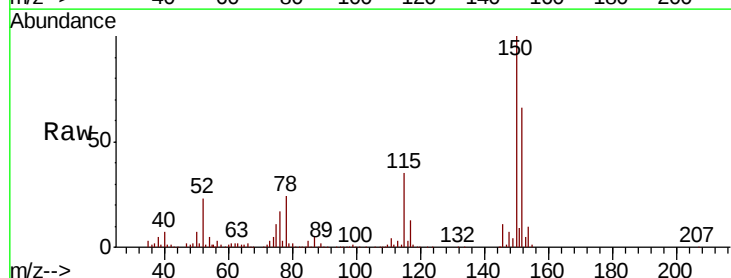
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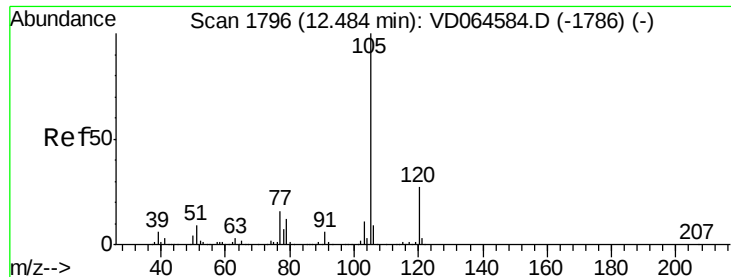
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	27.8	83.4
150	169.0	0.0	351.4





#73

Isopropylbenzene

Concen: 48.500 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MSD

Tot Ion: 105 Resp: 938122

Ion Ratio Lower Upper

105 100

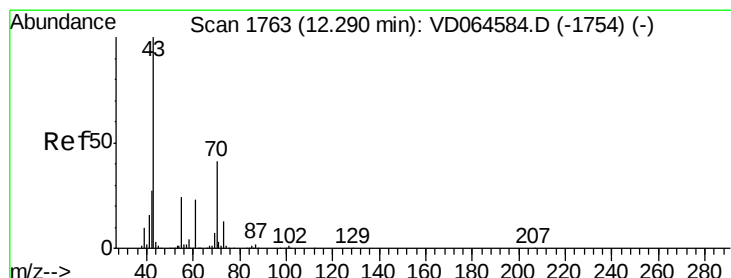
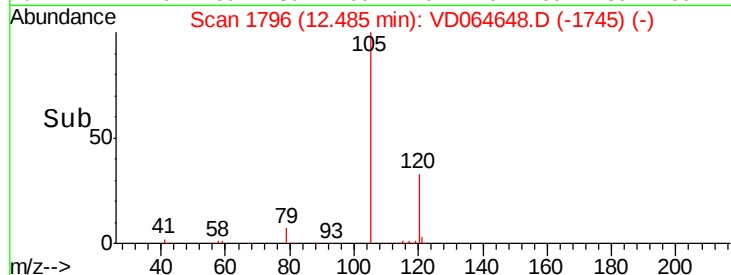
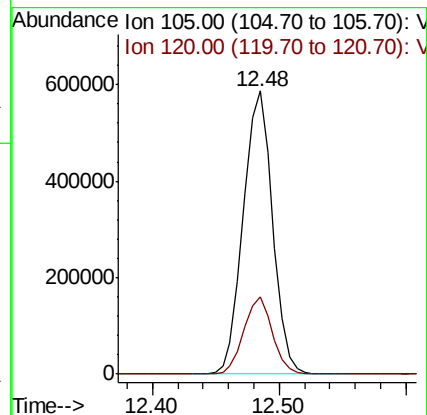
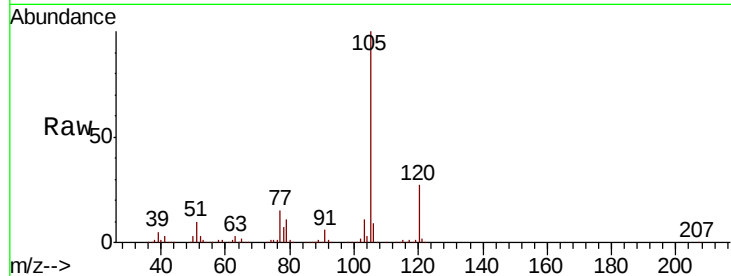
120 26.5 13.5 40.5

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#74

N-ethyl acetate

Concen: 51.211 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Tgt Ion: 43 Resp: 211745

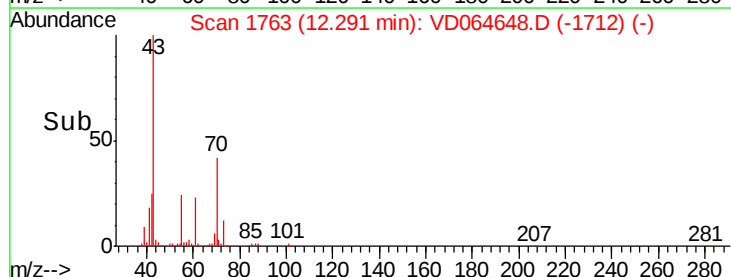
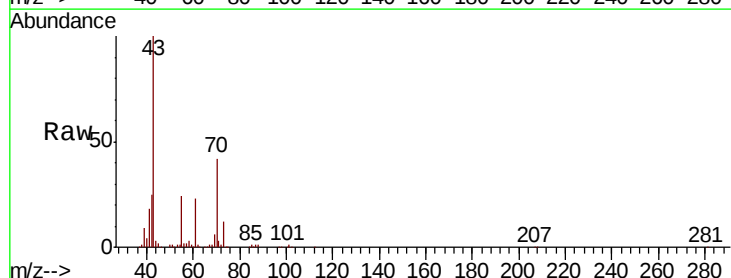
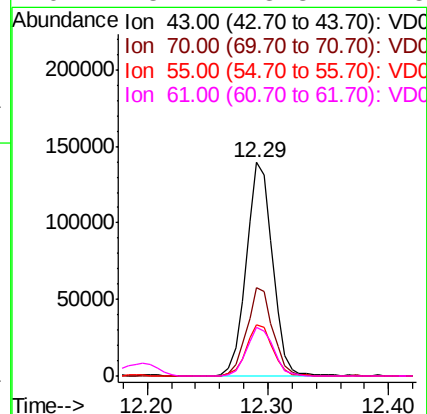
Ion Ratio Lower Upper

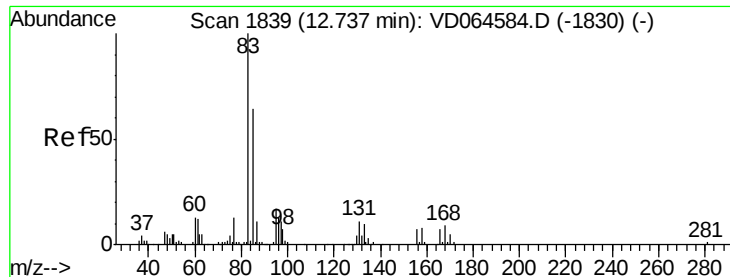
43 100

70 41.2 33.4 50.0

55 24.5 19.4 29.0

61 23.2 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.373 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

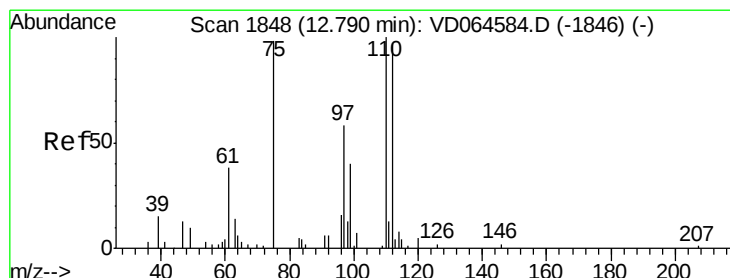
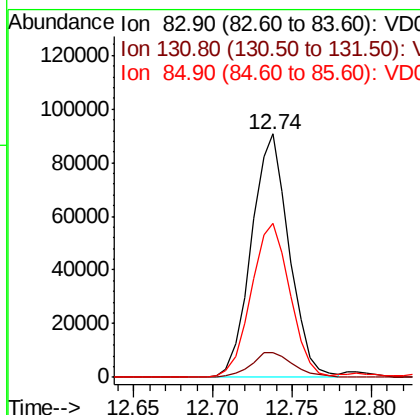
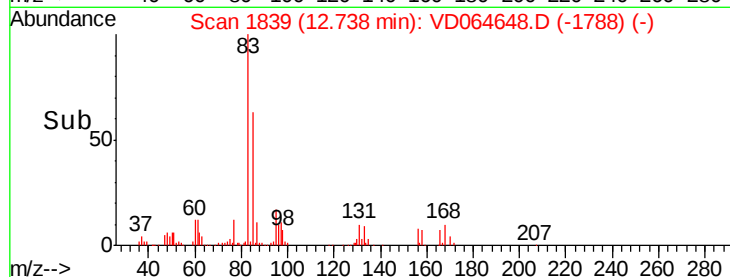
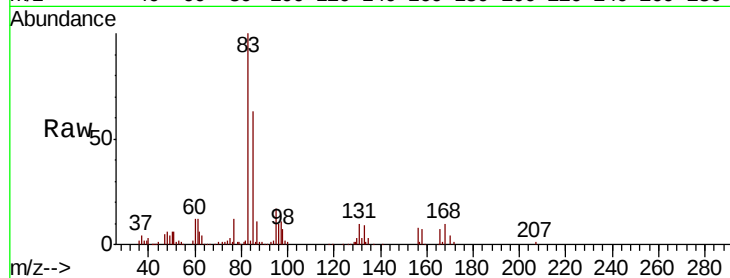
ClientSampleId :

SB-2-(4-5)MSD

Tot Ion:	83	Resp:	150023
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.8	17.4
85	65.1	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 51.696 ug/l m

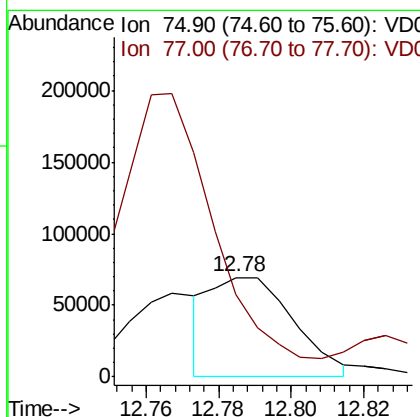
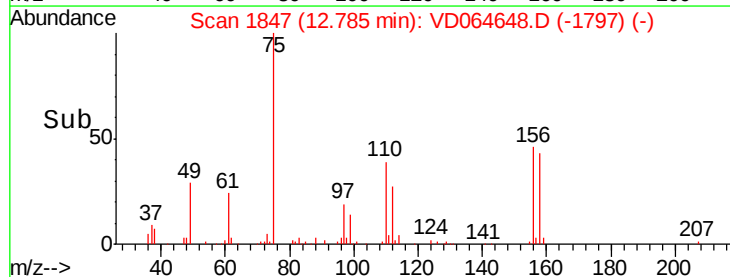
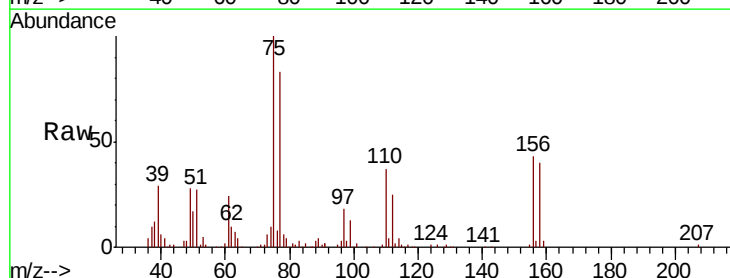
RT: 12.78 min Scan# 1847

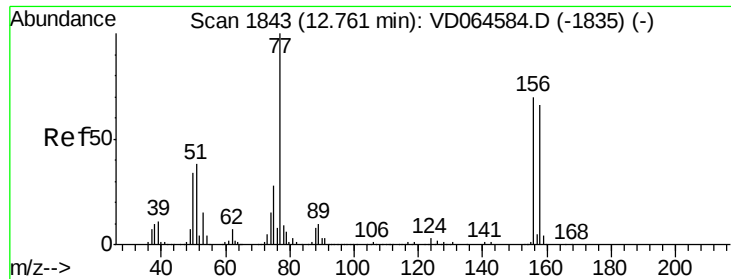
Delta R.T. -0.01 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Tgt Ion:	75	Resp:	110495
Ion Ratio	Lower	Upper	
75	100		
77	342.7	0.0	0.0#





#77

Bromobenzene

Concen: 48.373 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

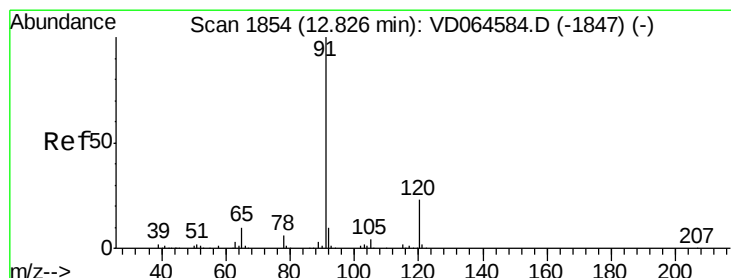
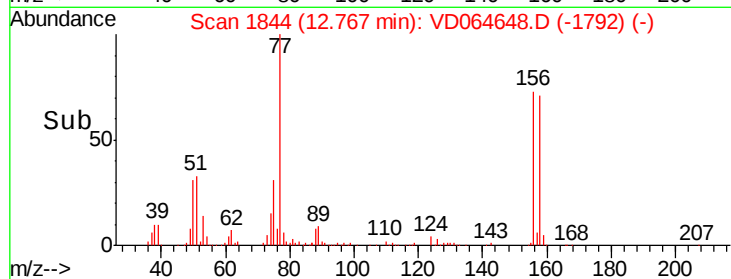
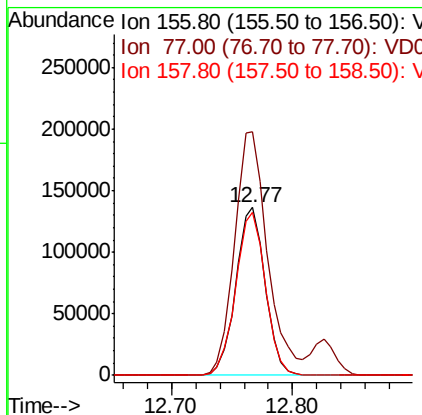
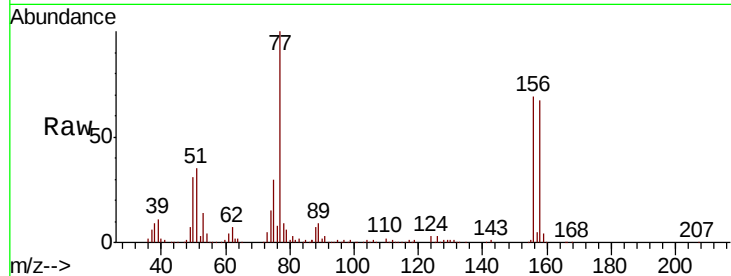
ClientSampleId :

SB-2-(4-5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		229907		
77	164.7	80.9	242.7		
158	98.3	48.0	144.2		

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#78

n-propylbenzene

Concen: 48.892 ug/l

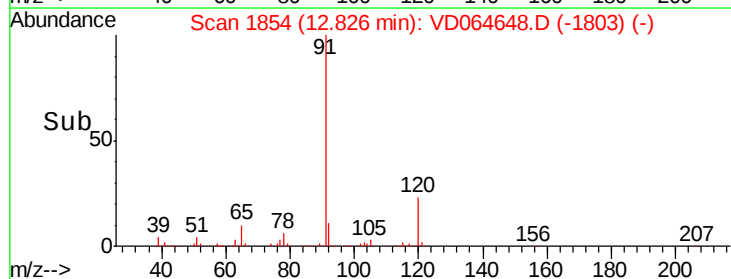
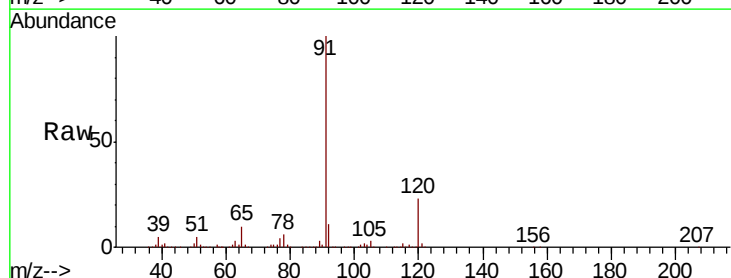
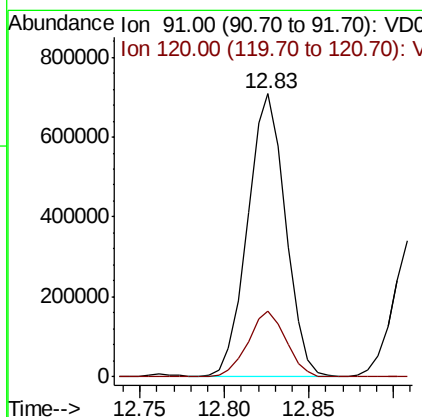
RT: 12.83 min Scan# 1854

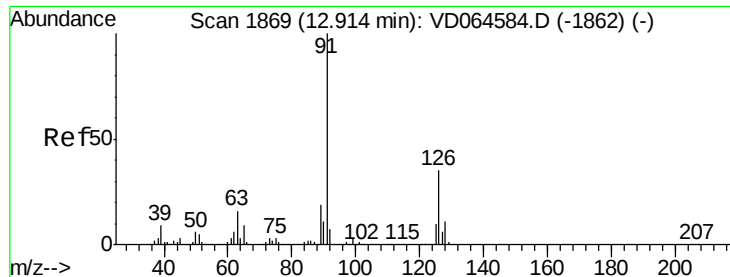
Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1103293		
120	23.4	11.9	35.9		





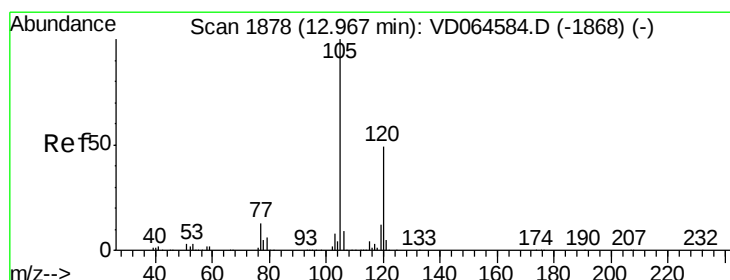
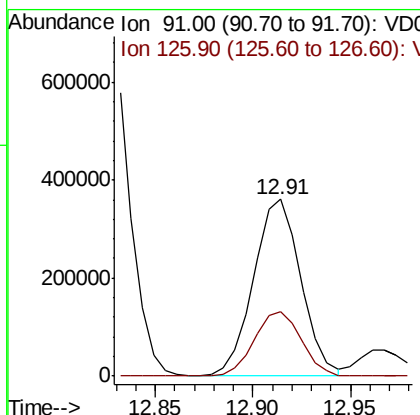
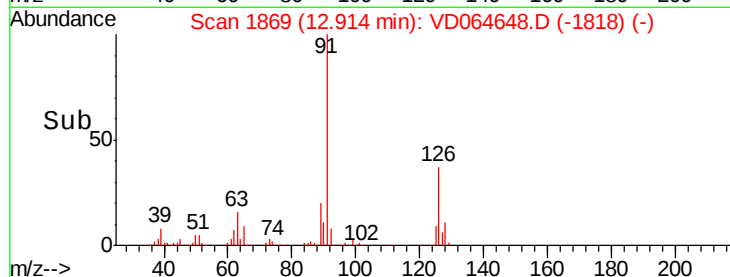
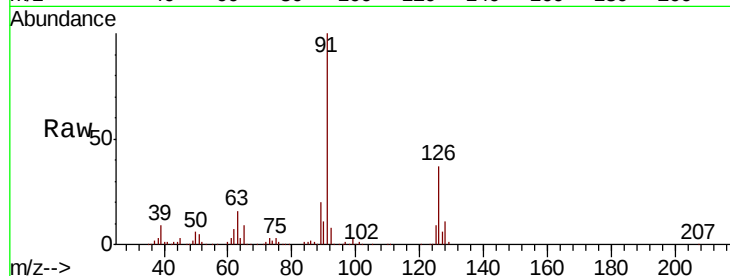
#79
2-Chlorotoluene
Concen: 48.807 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion: 91 Resp: 605029
Ion Ratio Lower Upper
91 100
126 36.7 17.8 53.5

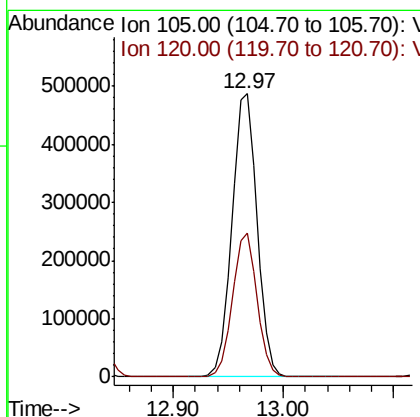
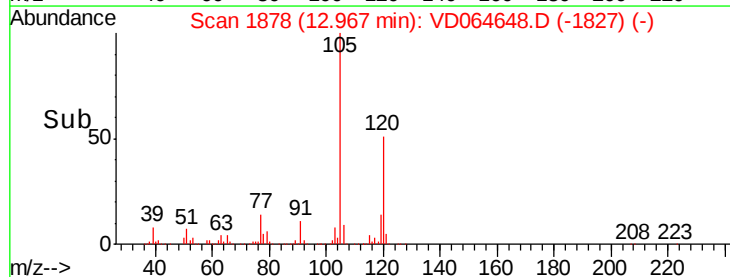
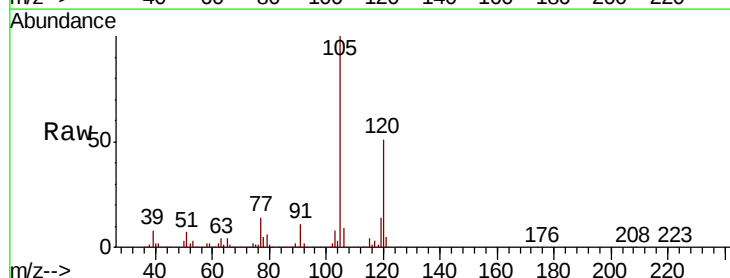
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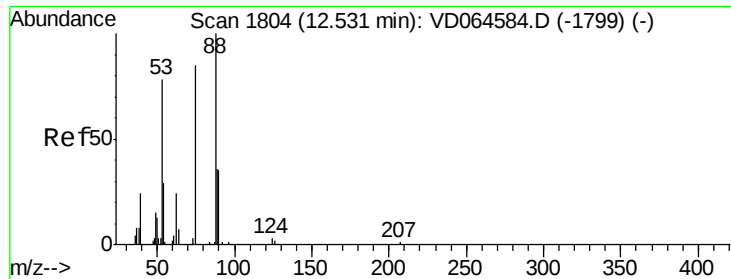
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#80
1,3,5-Trimethylbenzene
Concen: 49.007 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion: 105 Resp: 778689
Ion Ratio Lower Upper
105 100
120 49.7 25.0 75.0





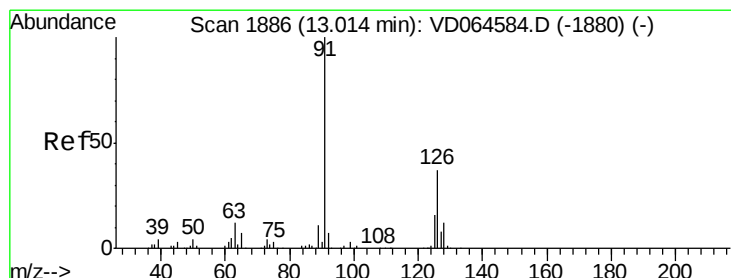
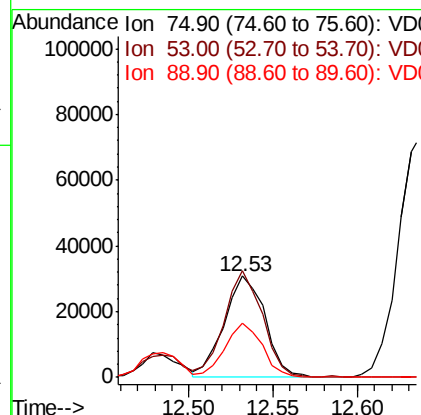
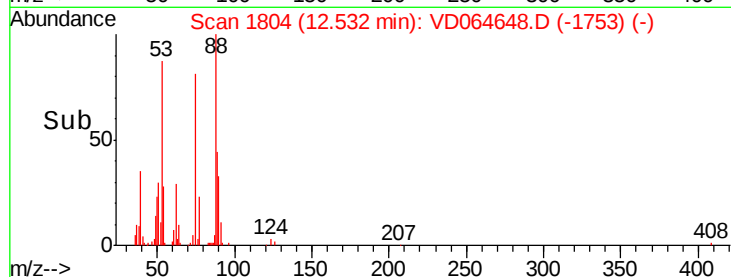
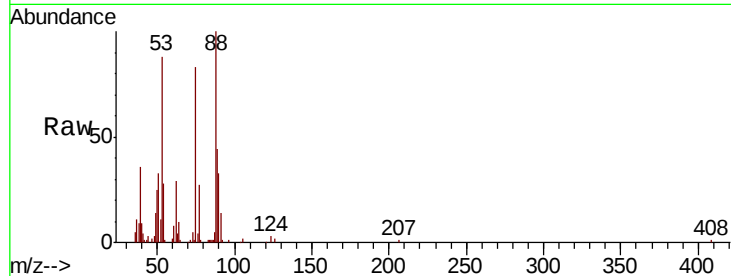
#81
trans-1,4-Dichloro-2-butene
Concen: 51.005 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.0	78.8	118.2
89	48.7	38.3	57.5

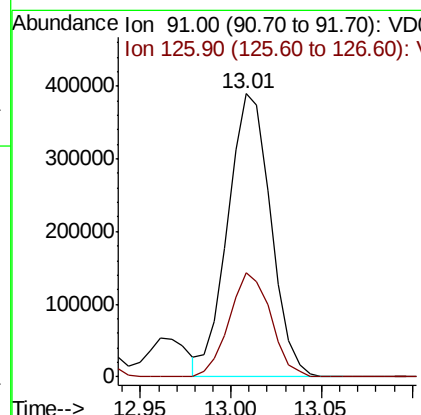
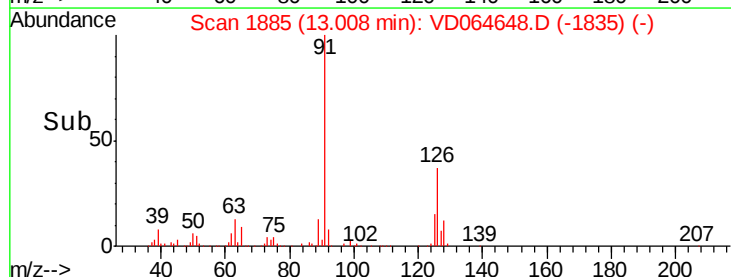
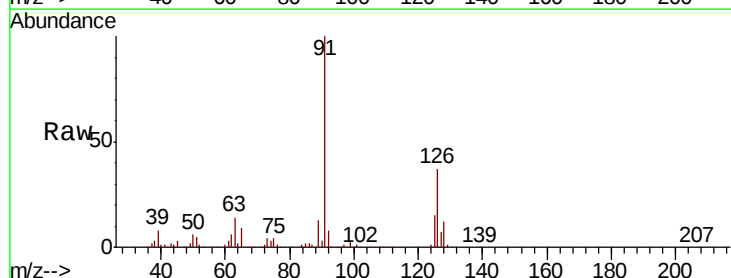
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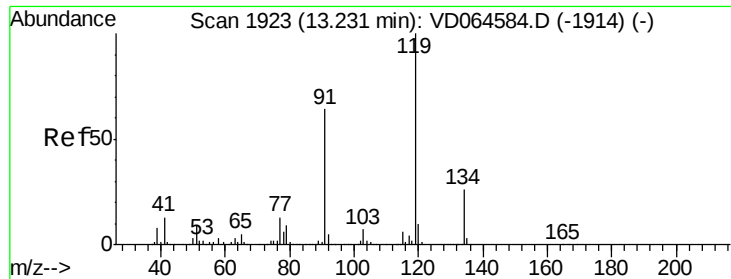
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#82
4-Chlorotoluene
Concen: 48.616 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.8	53.5





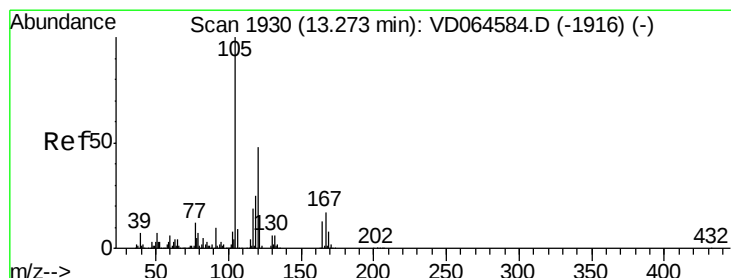
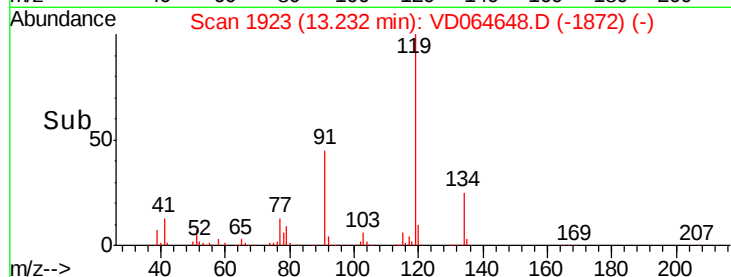
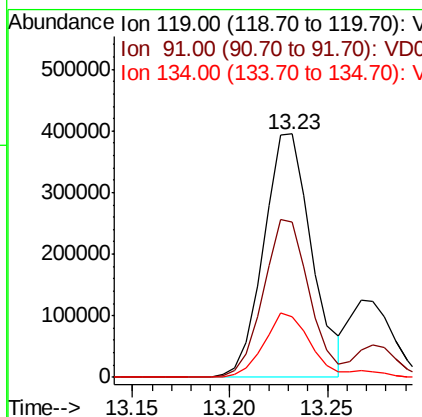
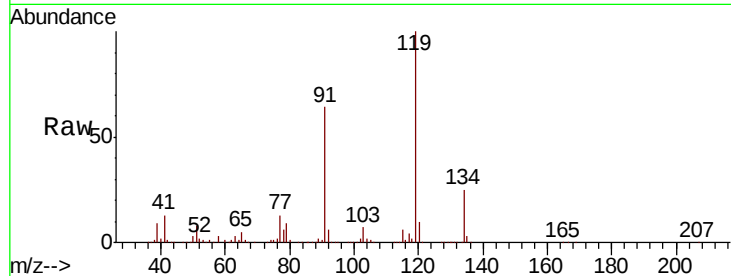
#83
tert-Butylbenzene
Concen: 48.804 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.0	30.8	92.4
134	27.2	12.8	38.3

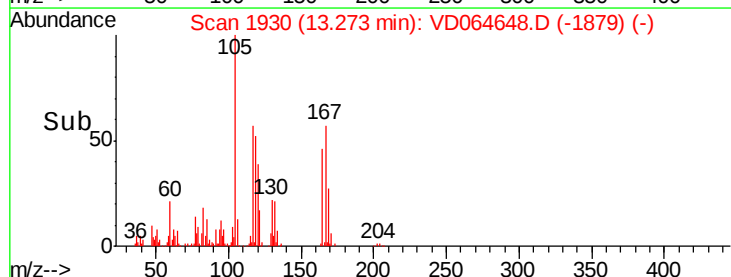
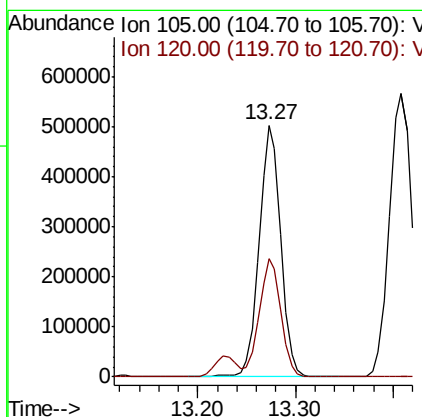
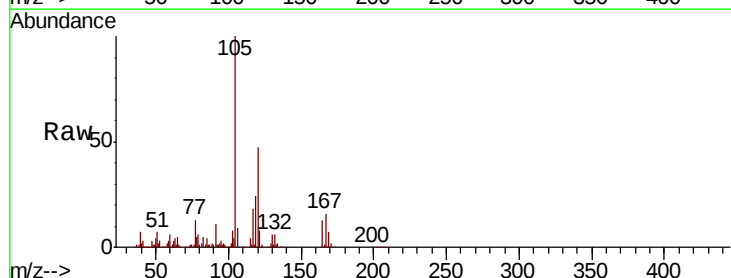
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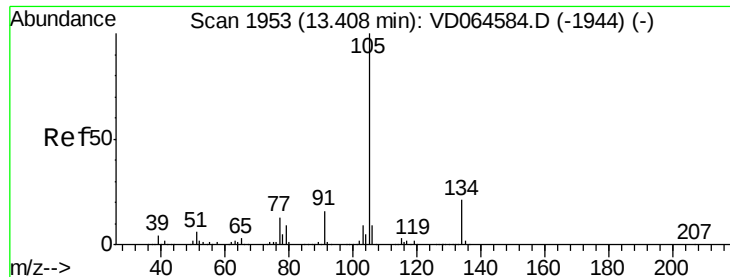
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#84
1,2,4-Trimethylbenzene
Concen: 49.476 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.8	71.2





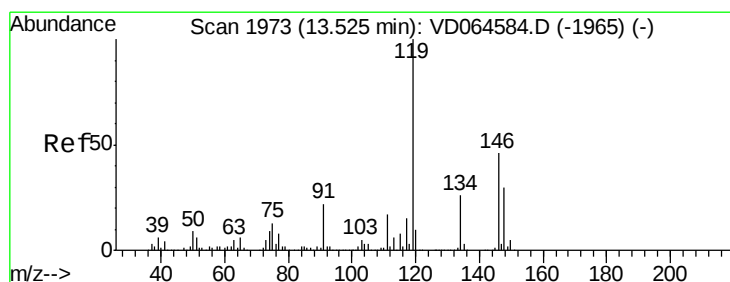
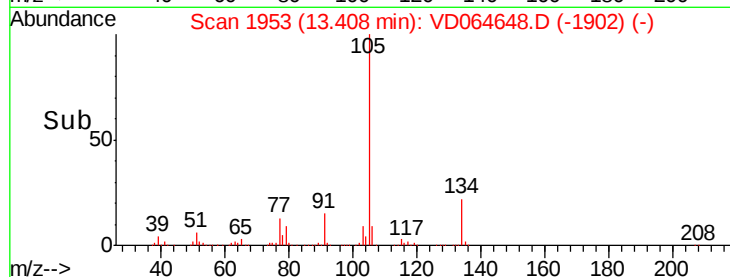
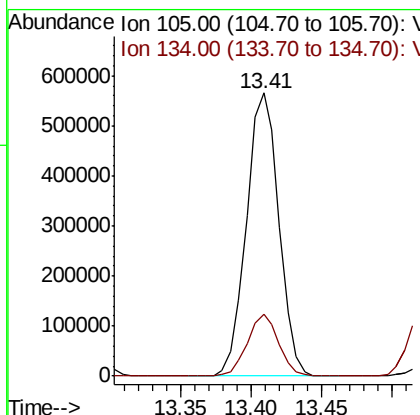
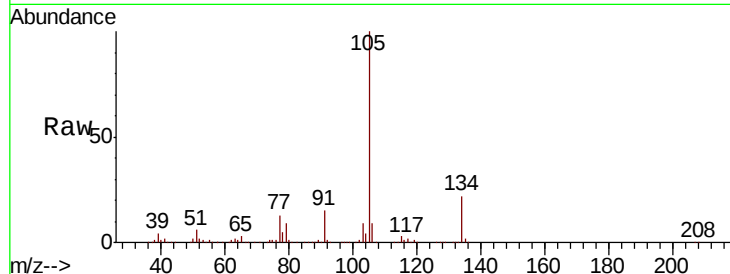
#85
 sec-Butylbenzene
 Concen: 48.351 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MSD

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.6	31.8

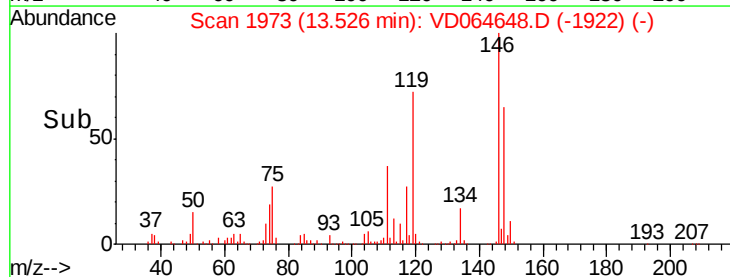
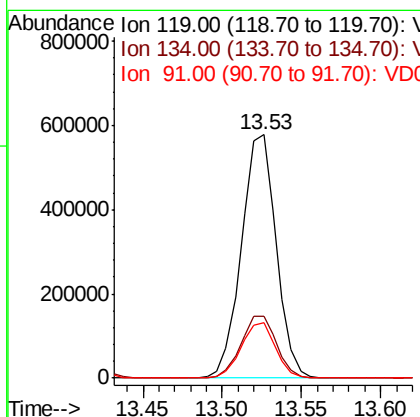
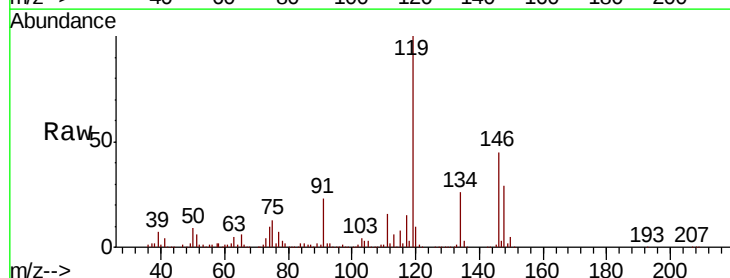
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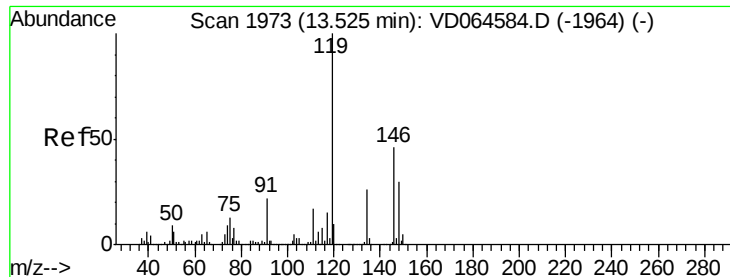
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#86
 p-Isopropyltoluene
 Concen: 48.556 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.4	40.1
91	22.5	11.2	33.6





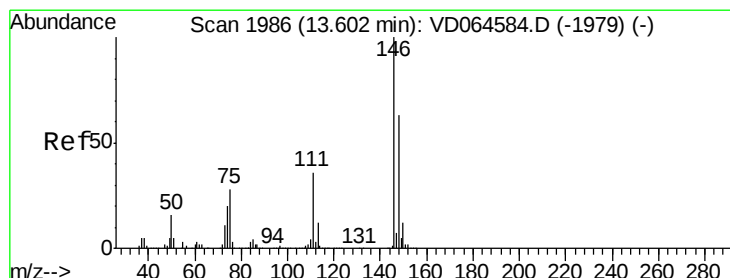
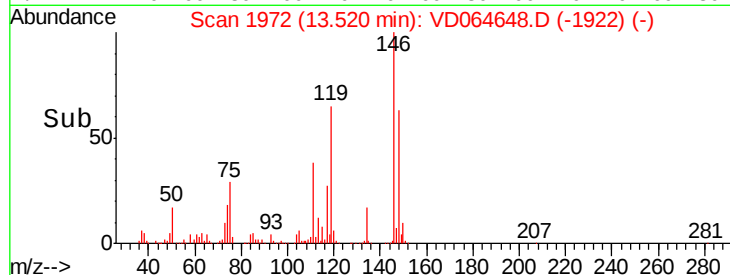
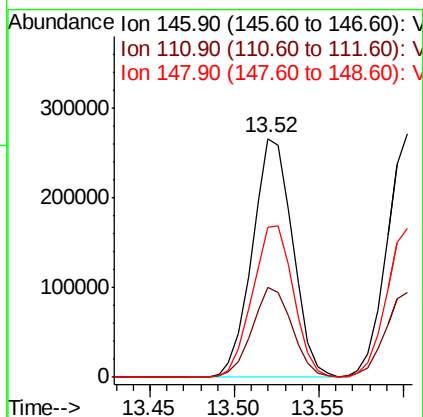
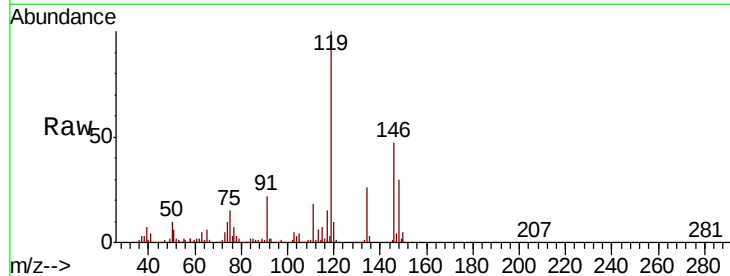
#87
 1,3-Dichlorobenzene
 Concen: 48.829 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.8	56.4
148	64.5	32.5	97.5

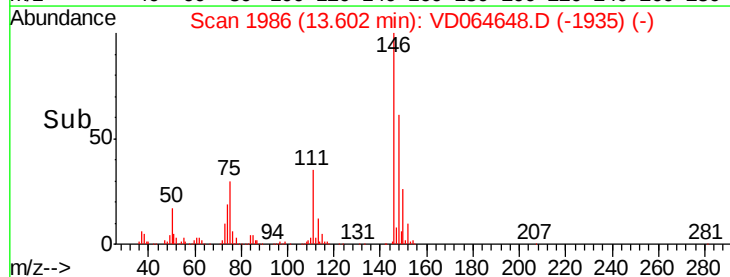
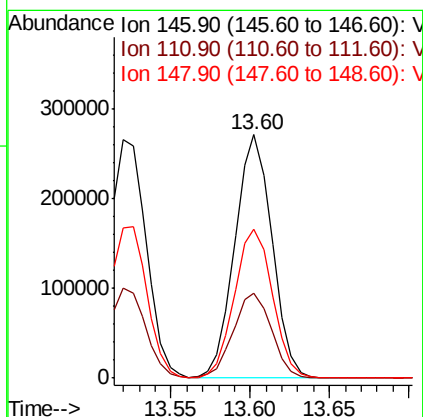
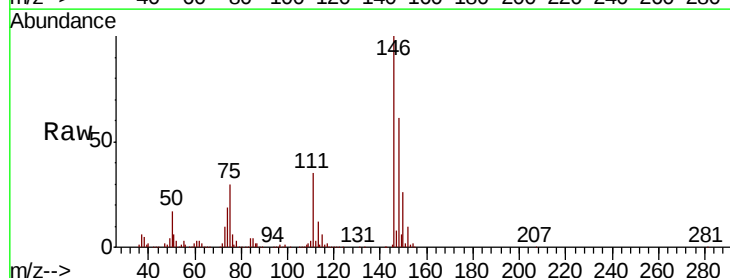
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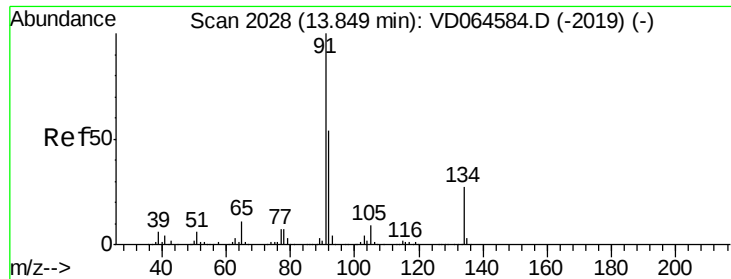
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#88
 1,4-Dichlorobenzene
 Concen: 49.554 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.1	54.1
148	63.0	32.3	96.9





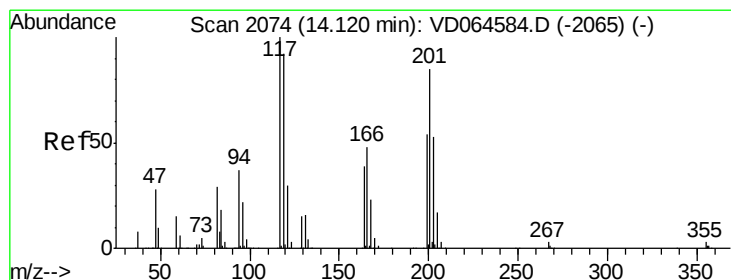
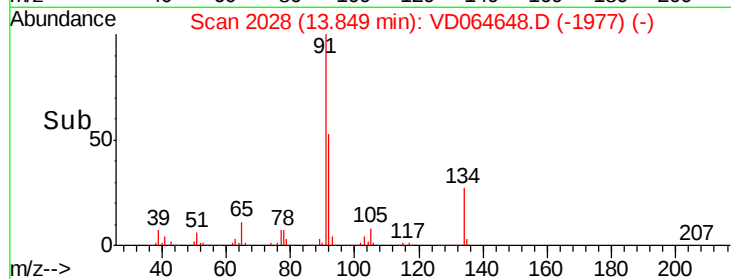
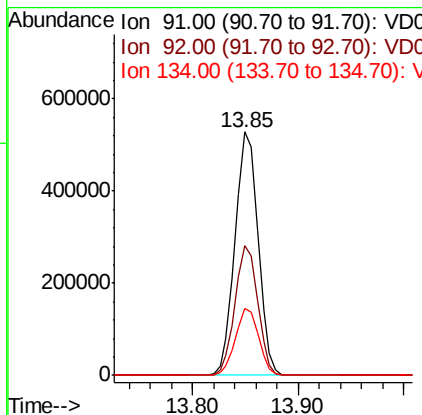
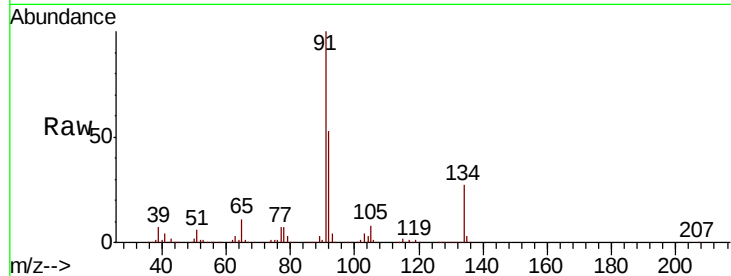
#89
n-Butylbenzene
Concen: 48.720 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.8	80.4
134	27.6	14.0	41.9

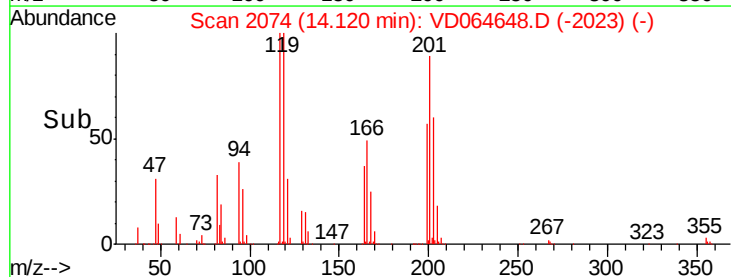
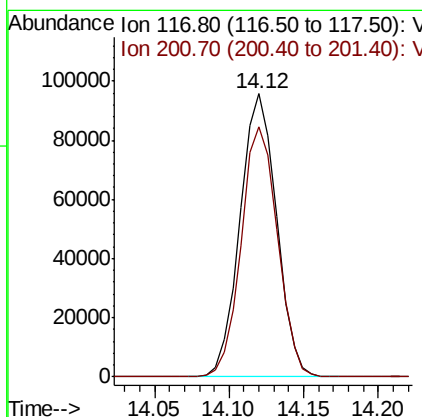
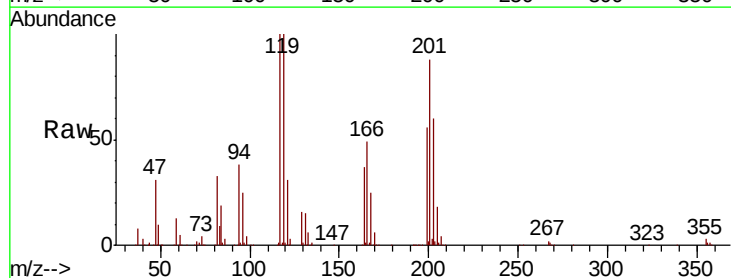
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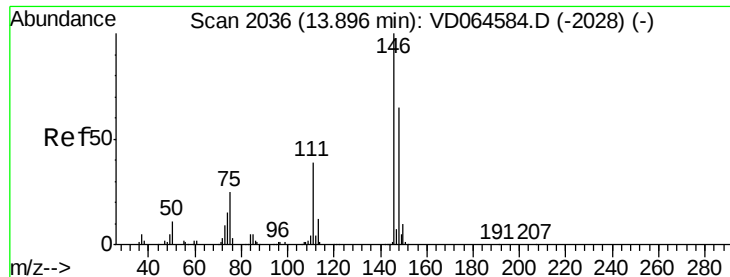
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#90
Hexachloroethane
Concen: 46.965 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.9	44.0	131.8





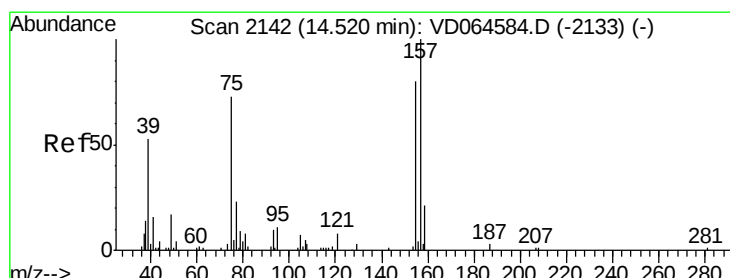
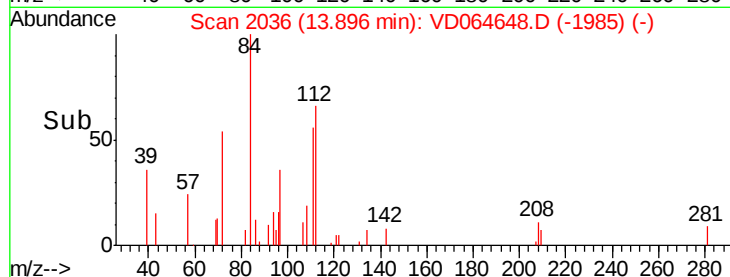
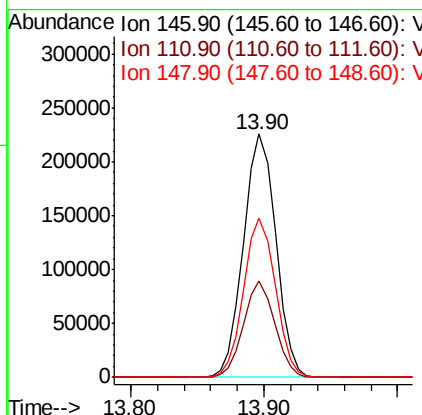
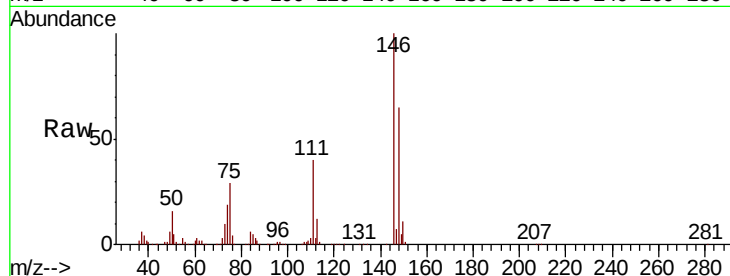
#91
 1,2-Dichlorobenzene
 Concen: 49.108 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.3	57.9
148	64.0	31.9	95.5

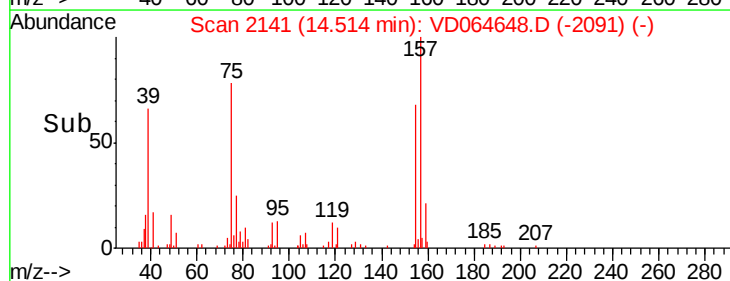
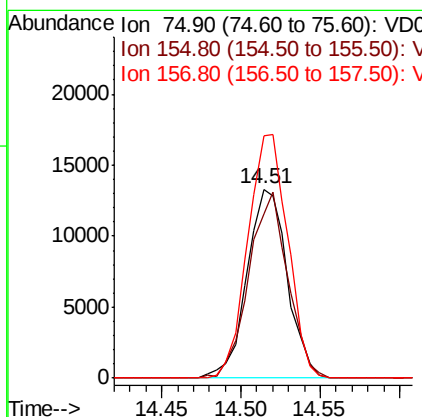
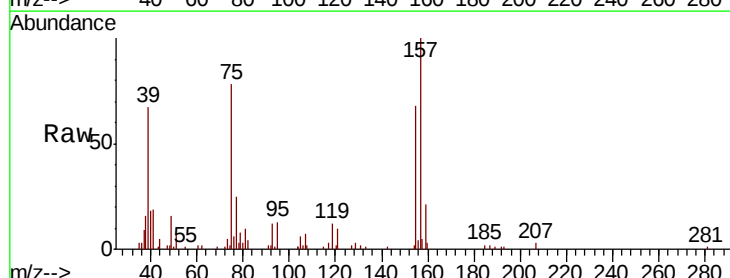
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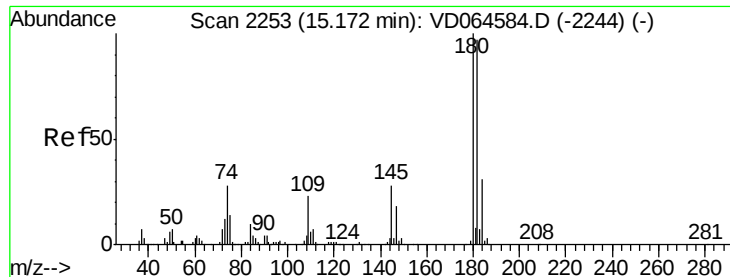
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.657 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.4	48.0	144.0
157	128.1	64.1	192.3





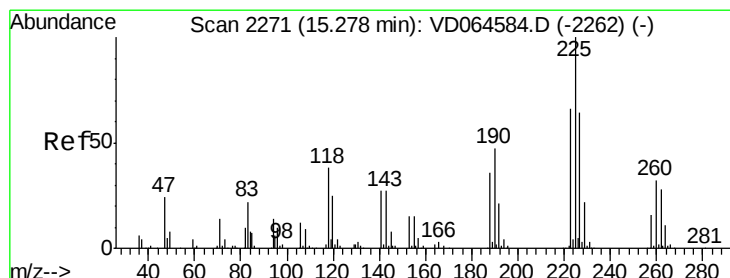
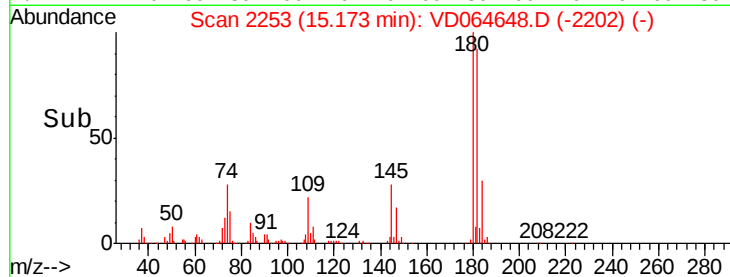
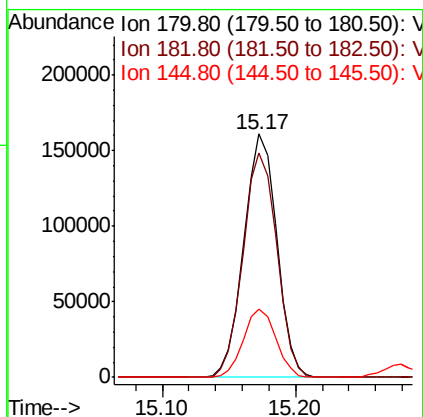
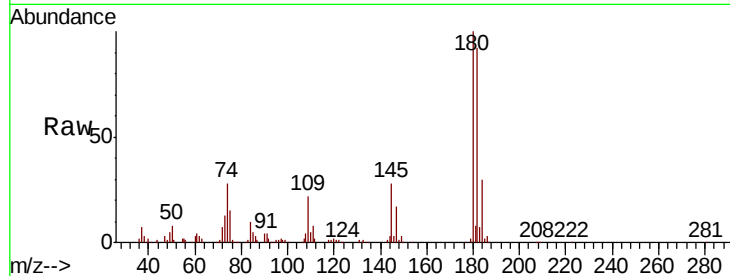
#93
 1,2,4-Trichlorobenzene
 Concen: 48.360 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	275101		
182	94.5	48.0	144.2	
145	27.9	13.8	41.4	

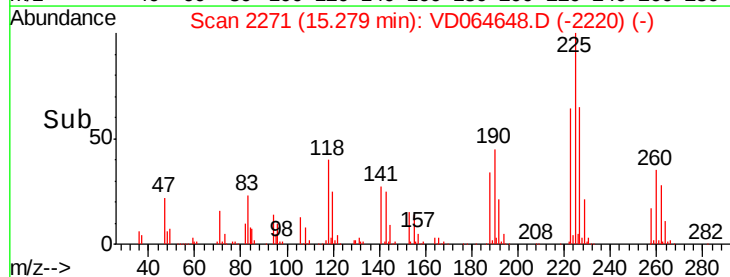
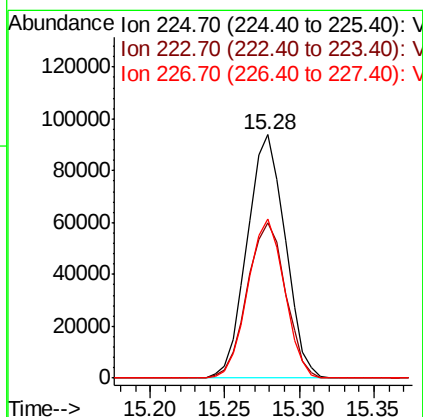
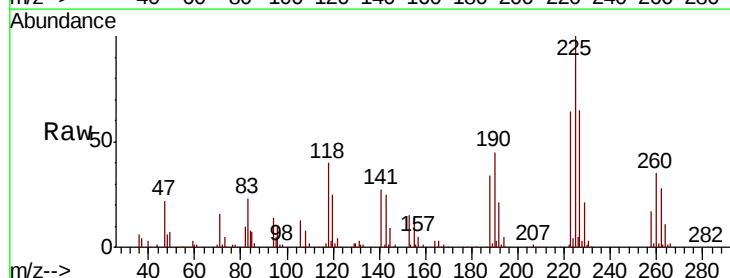
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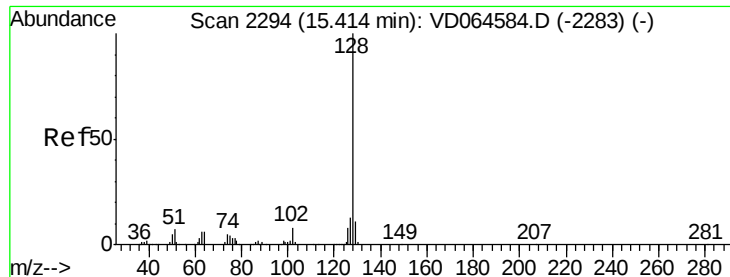
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#94
 Hexachlorobutadiene
 Concen: 46.287 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	165695		
223	64.3	31.1	93.2	
227	62.6	30.9	92.7	





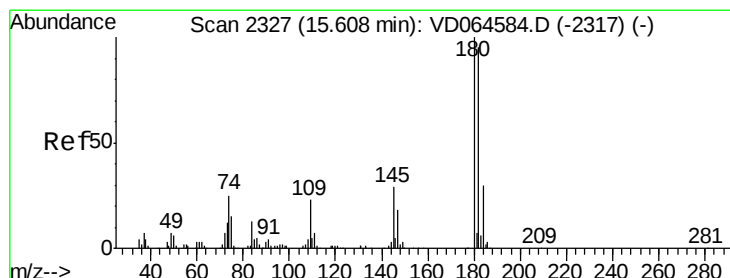
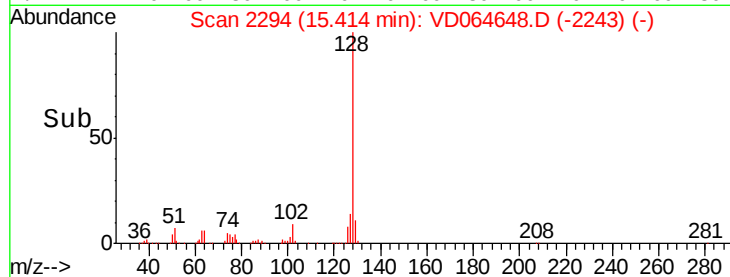
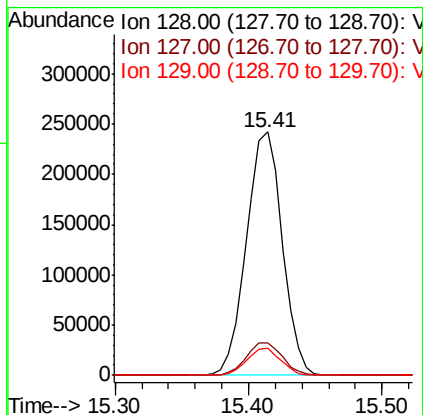
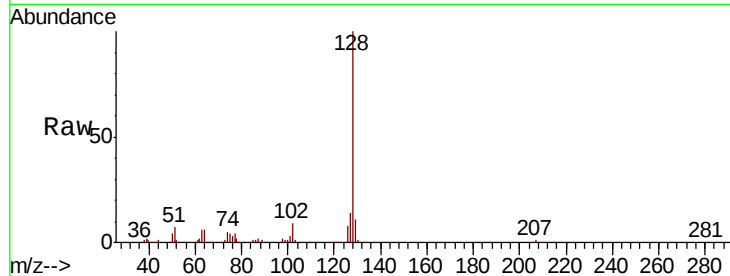
#95
Naphthalene
Concen: 49.826 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	10.7	8.5	12.7

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#96
1,2,3-Trichlorobenzene
Concen: 48.628 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.7
145	29.7	14.9	44.7

