

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121619\
 Data File : VD064520.D
 Acq On : 16 Dec 2019 12:43
 Operator : VA/SY
 Sample : VD1216SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1216SBS01

Manual Integrations
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 12/17/2019 4:49:09 PM

Quant Time: Dec 17 02:54:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	441727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	644071	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	561606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	286170	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	200966	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
35) Dibromofluoromethane	7.91	113	210749	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
50) Toluene-d8	10.34	98	792818	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
62) 4-Bromofluorobenzene	12.64	95	256019	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	80012	19.991	ug/l	98
3) Chloromethane	2.21	50	102111	20.227	ug/l	98
4) Vinyl Chloride	2.35	62	118436	20.319	ug/l	98
5) Bromomethane	2.76	94	85614	19.862	ug/l	96
6) Chloroethane	2.92	64	81118	20.821	ug/l	98
7) Trichlorofluoromethane	3.27	101	206112	21.271	ug/l	99
8) Diethyl Ether	3.71	74	39827	19.780	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	87622	21.090	ug/l	97
10) Methyl Iodide	4.29	142	86226	19.653	ug/l	98
11) Tert butyl alcohol	5.24	59	22077	86.743	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	82284	20.667	ug/l	96
13) Acrolein	3.92	56	27344	78.768	ug/l	98
14) Allyl chloride	4.70	41	126630	20.379	ug/l	98
15) Acrylonitrile	5.43	53	80484	91.407	ug/l	98
16) Acetone	4.17	43	81951	101.428	ug/l	96
17) Carbon Disulfide	4.40	76	255365	20.251	ug/l	98
18) Methyl Acetate	4.72	43	43986	18.664	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	177269	19.410	ug/l	92
20) Methylene Chloride	4.96	84	93052	19.998	ug/l #	92
21) trans-1,2-Dichloroethene	5.47	96	92984	20.646	ug/l	94
22) Diisopropyl ether	6.36	45	244118	19.901	ug/l	96
23) Vinyl Acetate	6.31	43	697615	96.468	ug/l	98
24) 1,1-Dichloroethane	6.26	63	154883	20.996	ug/l	99
25) 2-Butanone	7.22	43	105162	92.034	ug/l	98
26) 2,2-Dichloropropane	7.21	77	135864	21.178	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	98793	20.121	ug/l	98
28) Bromochloromethane	7.54	49	41222	16.351	ug/l	99
29) Tetrahydrofuran	7.57	42	66473	91.438	ug/l	98
30) Chloroform	7.71	83	156593	20.497	ug/l	99
31) Cyclohexane	7.98	56	148082	20.264	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	149203	21.065	ug/l	99
36) 1,1-Dichloropropene	8.11	75	128446	21.084	ug/l	98
37) Ethyl Acetate	7.30	43	46582	18.020	ug/l	97
38) Carbon Tetrachloride	8.09	117	133664	20.789	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	156302	20.683	ug/l	97
40) Benzene	8.35	78	346302	20.467	ug/l	99
41) Methacrylonitrile	7.53	41	29528	19.919	ug/l	94
42) 1,2-Dichloroethane	8.43	62	100430	20.353	ug/l	97
43) Isopropyl Acetate	8.46	43	93648	18.425	ug/l	97
44) Trichloroethene	9.11	130	102172	20.046	ug/l	98
45) 1,2-Dichloropropane	9.39	63	82317	20.342	ug/l	96
46) Dibromomethane	9.47	93	45903	20.099	ug/l	98
47) Bromodichloromethane	9.66	83	120431	20.522	ug/l	98
48) Methyl methacrylate	9.46	41	44223	19.015	ug/l	97
49) 1,4-Dioxane	9.47	88	9813	347.947	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	230998	91.855	ug/l	100
52) Toluene	10.40	92	222486	20.177	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	111850	19.999	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	134359	20.222	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	59979	19.179	ug/l	93
56) Ethyl methacrylate	10.66	69	73923	18.533	ug/l	98
57) 1,3-Dichloropropane	10.95	76	104292	19.591	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	164007	103.147	ug/l	98
59) 2-Hexanone	10.98	43	154795	88.708	ug/l	98
60) Dibromochloromethane	11.14	129	81062	19.118	ug/l	98
61) 1,2-Dibromoethane	11.25	107	61009	19.539	ug/l	99
64) Tetrachloroethene	10.88	164	90299	21.085	ug/l	96
65) Chlorobenzene	11.67	112	240934	20.569	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	90672	20.911	ug/l	98
67) Ethyl Benzene	11.75	91	425892	20.436	ug/l	99
68) m/p-Xylenes	11.86	106	321385	40.445	ug/l	98
69) o-Xylene	12.18	106	150028	20.443	ug/l	99
70) Styrene	12.20	104	265484	20.817	ug/l	98
71) Bromoform	12.37	173	49888	19.230	ug/l #	100
73) Isopropylbenzene	12.48	105	407873	19.817	ug/l	99
74) N-amyl acetate	12.29	43	84726	18.138	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	62234	18.285	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	48924m	20.789	ug/l	
77) Bromobenzene	12.77	156	100851	19.843	ug/l	99
78) n-propylbenzene	12.83	91	473111	19.923	ug/l	100
79) 2-Chlorotoluene	12.91	91	261146	19.985	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	328972	19.559	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21184	19.628	ug/l	97
82) 4-Chlorotoluene	13.01	91	278807	20.152	ug/l	98
83) tert-Butylbenzene	13.23	119	291535	19.938	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	332557	19.664	ug/l	98
85) sec-Butylbenzene	13.41	105	400759	19.969	ug/l	100
86) p-Isopropyltoluene	13.53	119	370297	19.544	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	185421	19.221	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	186457	19.578	ug/l	99
89) n-Butylbenzene	13.86	91	343063	19.939	ug/l	99
90) Hexachloroethane	14.12	117	70139	19.792	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	156219	18.949	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9982	16.711	ug/l	91

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Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	120999	19.164	ug/l	99
94) Hexachlorobutadiene	15.28	225	75888	19.470	ug/l	99
95) Naphthalene	15.41	128	188237	17.865	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	103636	19.229	ug/l	99

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

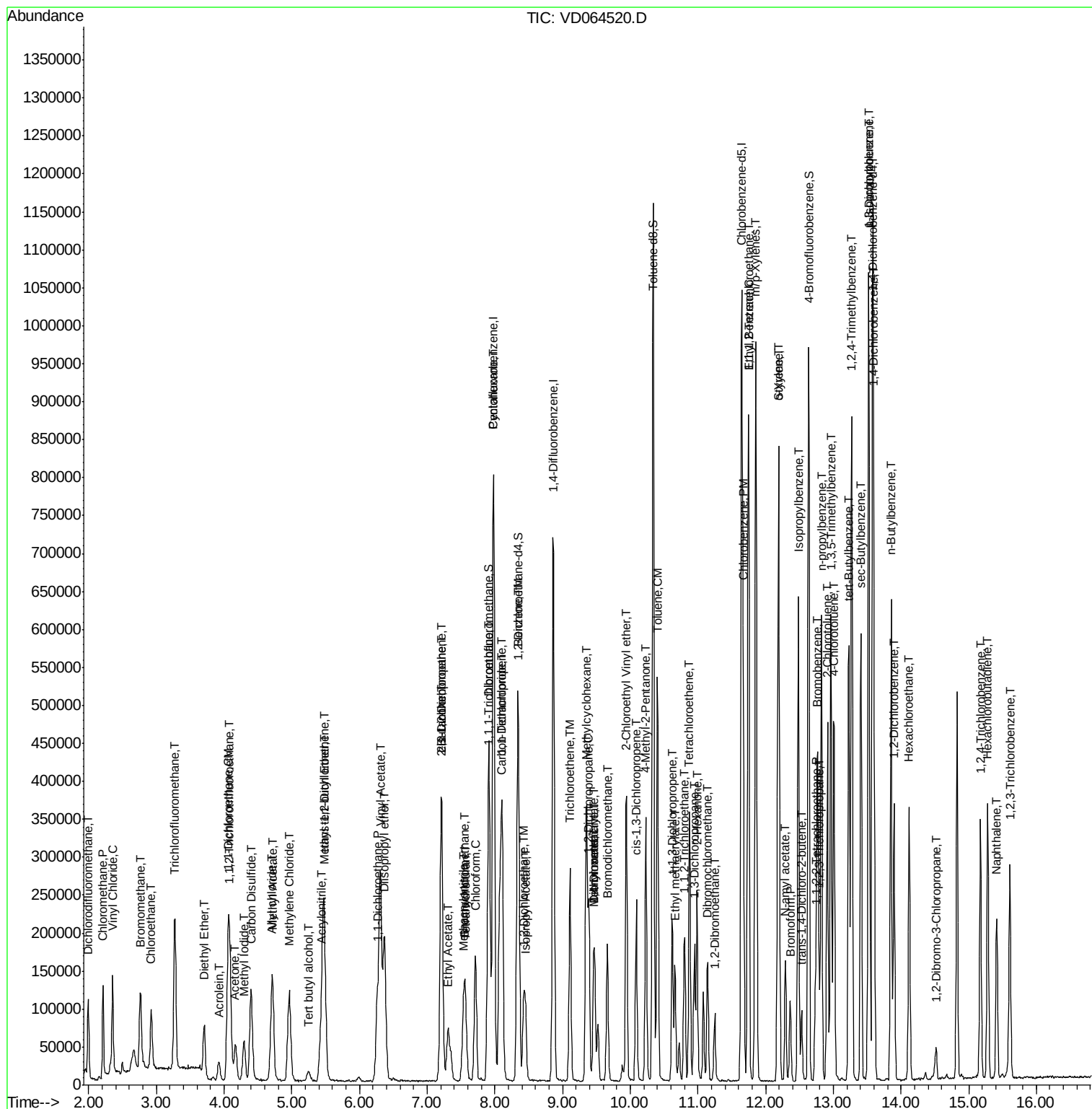
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121619\
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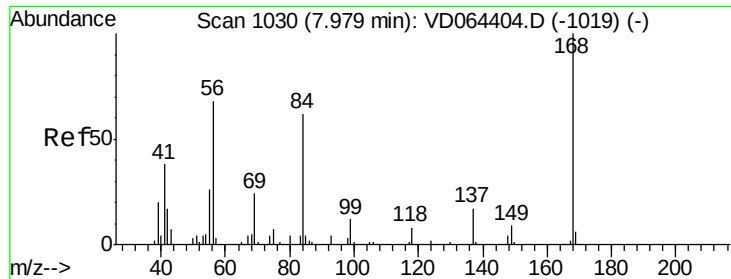
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1216SBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBS01

Tot Ion:168 Resp: 441727

Ion Ratio Lower Upper

168 100

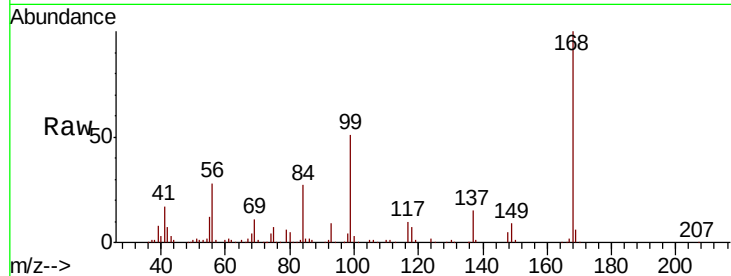
99 51.1 40.7 61.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

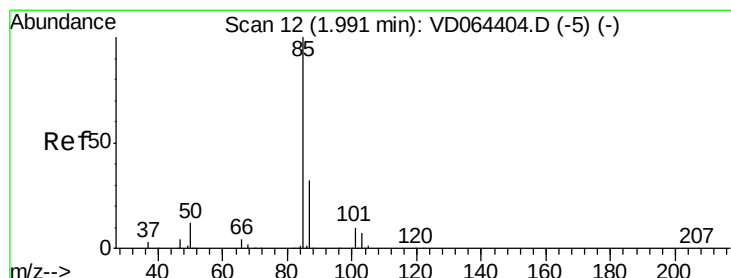
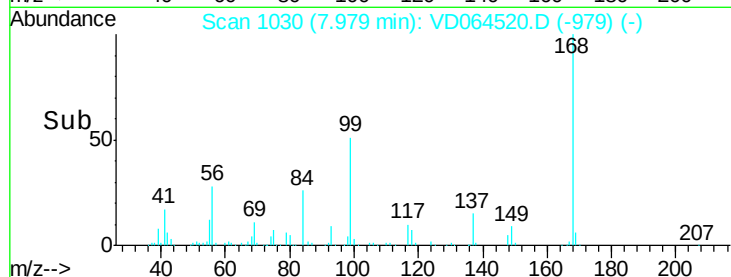
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.991 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064520.D

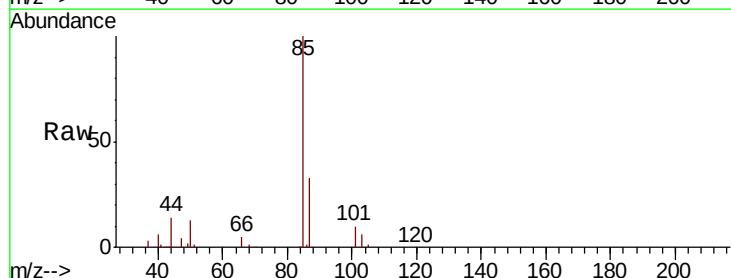
Acq: 16 Dec 2019 12:43

Tgt Ion: 85 Resp: 80012

Ion Ratio Lower Upper

85 100

87 33.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

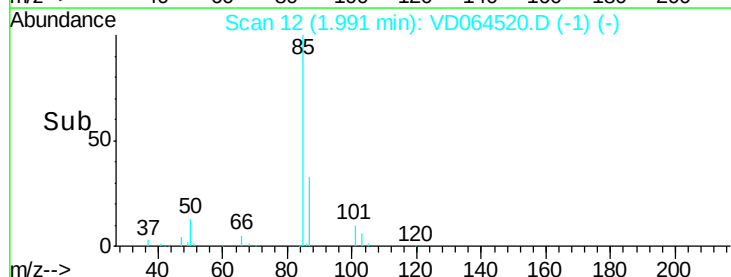
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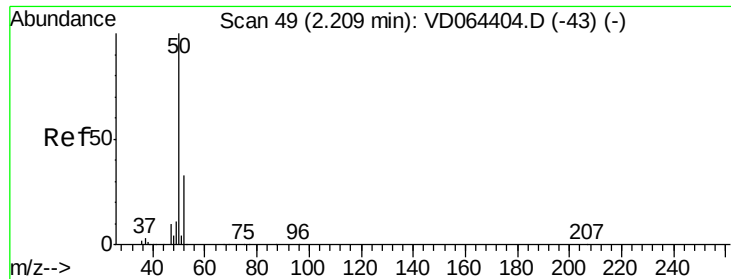
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.227 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBS01

Tot Ion: 50 Resp: 102111

Ion Ratio Lower Upper

50 100

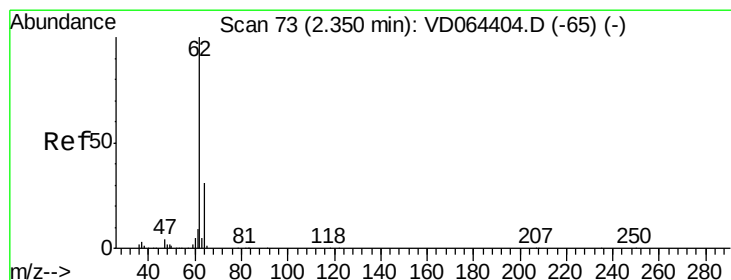
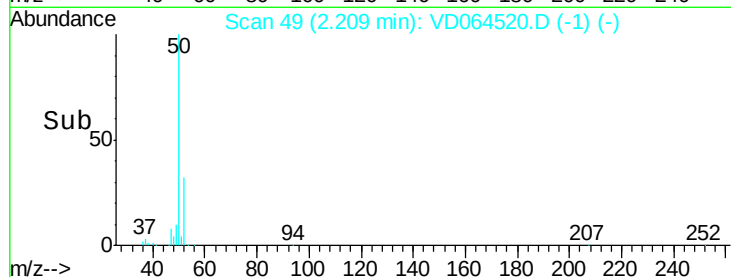
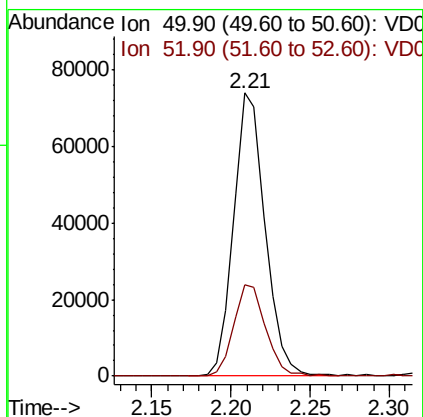
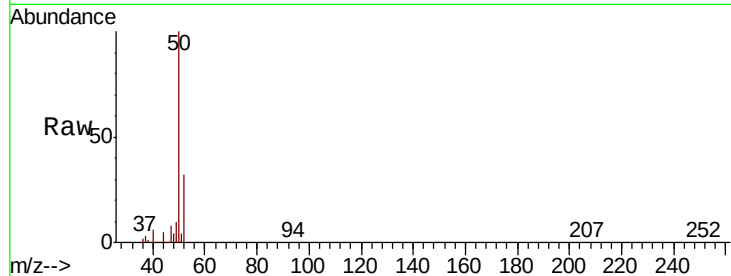
52 32.2 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.319 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064520.D

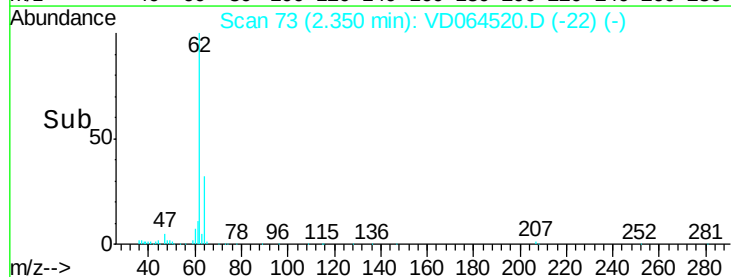
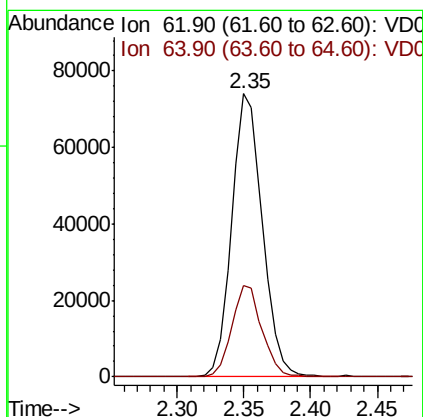
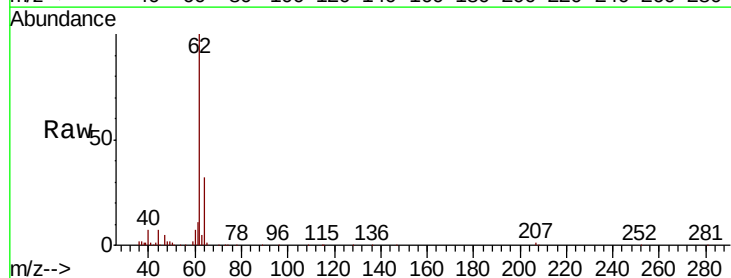
Acq: 16 Dec 2019 12:43

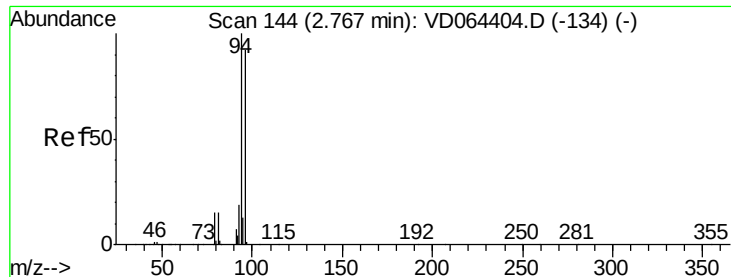
Tgt Ion: 62 Resp: 118436

Ion Ratio Lower Upper

62 100

64 32.4 25.0 37.4





#5

Bromomethane

Concen: 19.862 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBS01

Tot Ion: 94 Resp: 85614

Ion Ratio Lower Upper

94 100

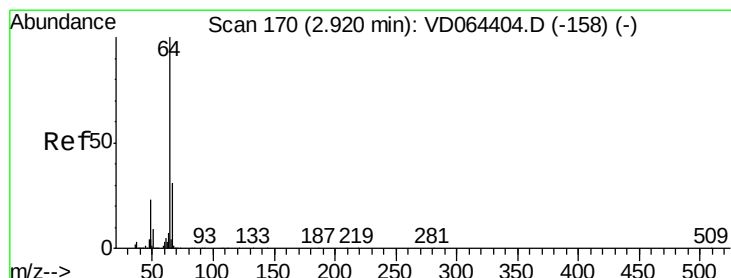
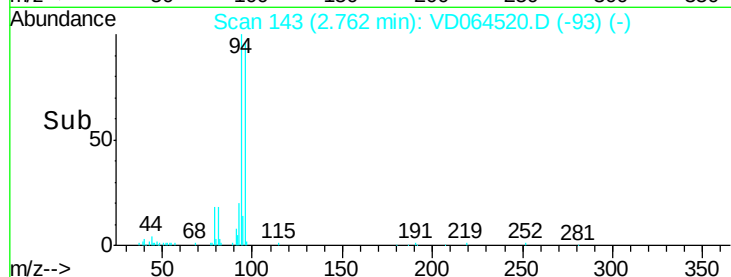
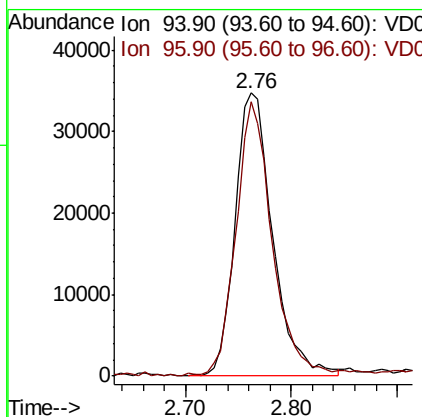
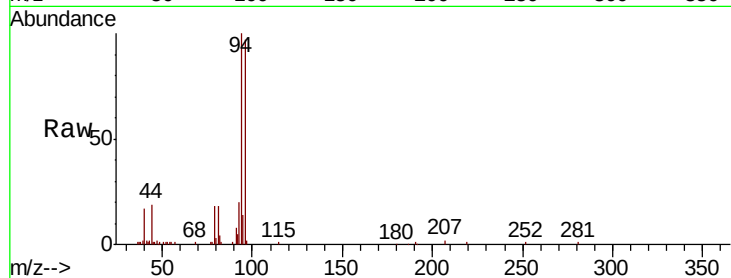
96 95.9 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 20.821 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064520.D

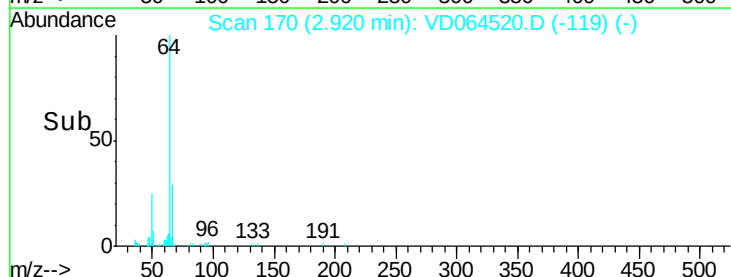
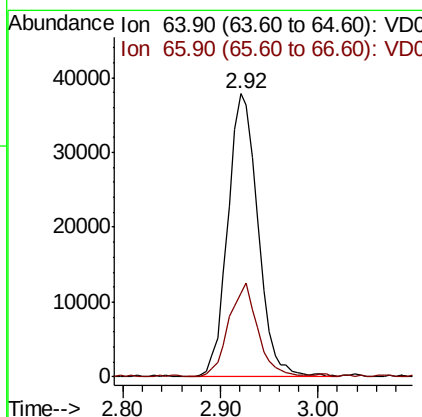
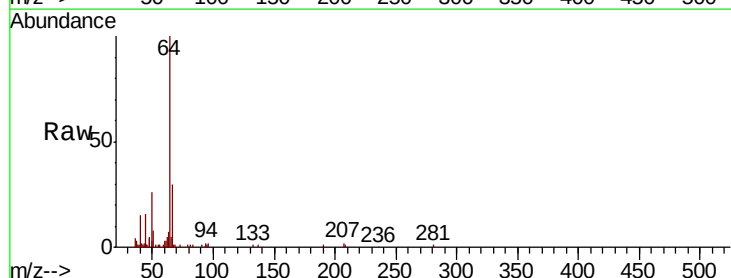
Acq: 16 Dec 2019 12:43

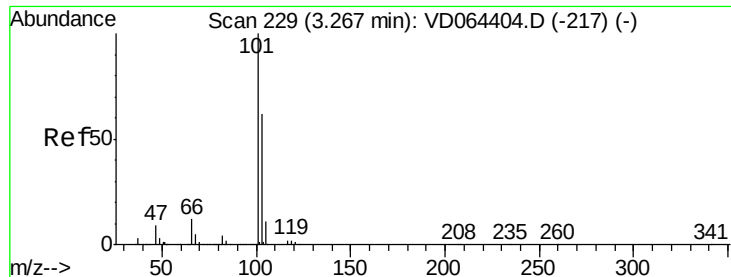
Tgt Ion: 64 Resp: 81118

Ion Ratio Lower Upper

64 100

66 29.7 24.6 37.0





#7

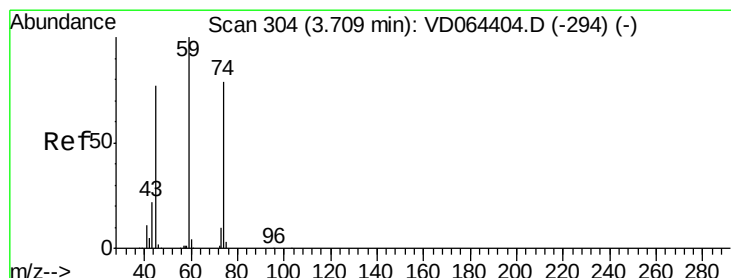
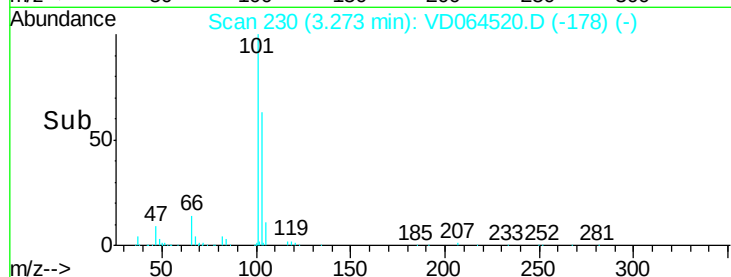
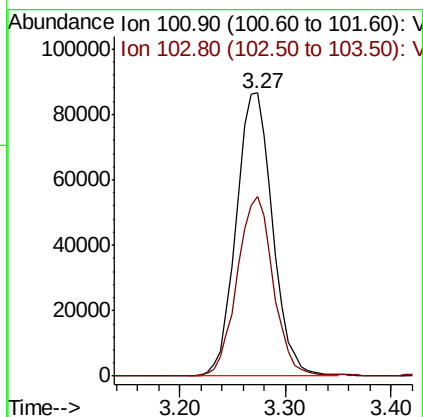
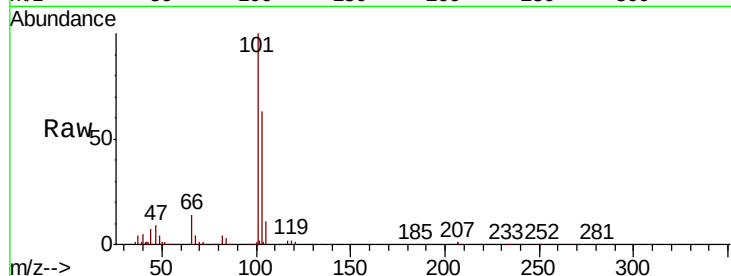
Trichlorofluoromethane
Concen: 21.271 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	206112		
103	63.2	49.8	74.6	

Manual Integrations
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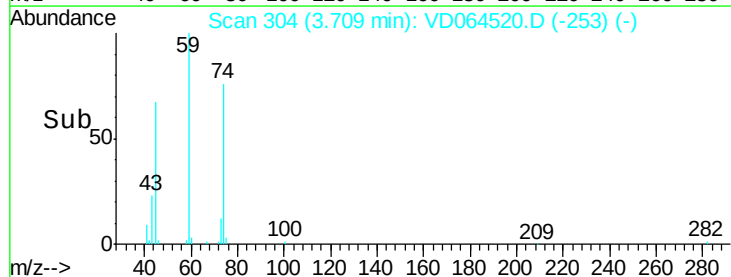
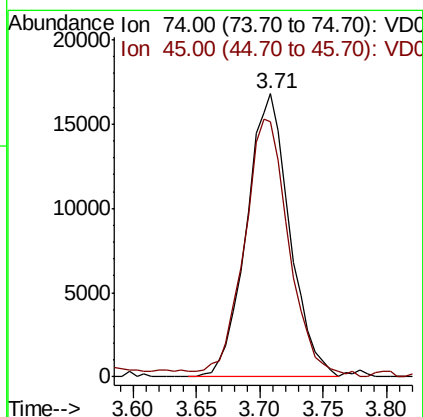
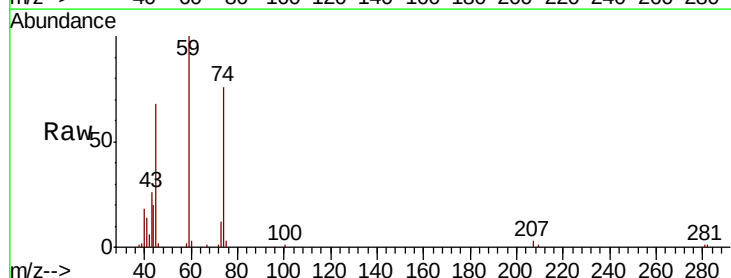
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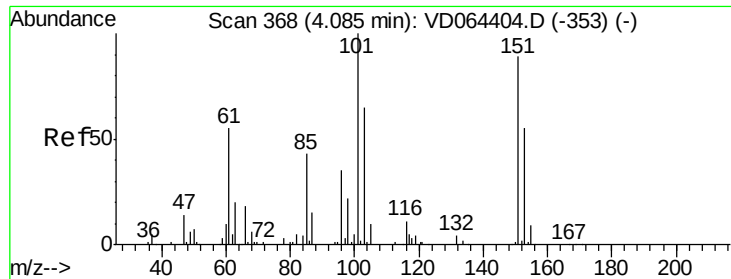


#8

Diethyl Ether
Concen: 19.780 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	39827		
45	94.8	48.6	145.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.090 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBS01

Tot Ion:101 Resp: 87622

Ion Ratio Lower Upper

101 100

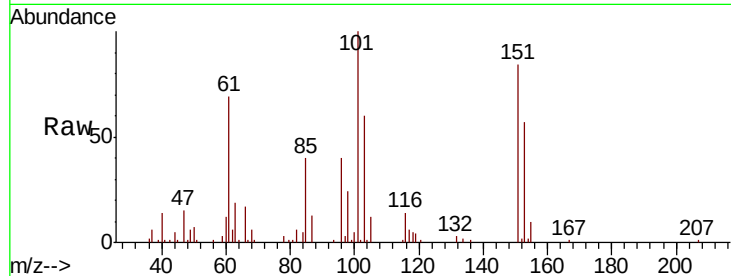
85 42.7 34.8 52.2

151 82.4 68.8 103.2

Manual Integrations
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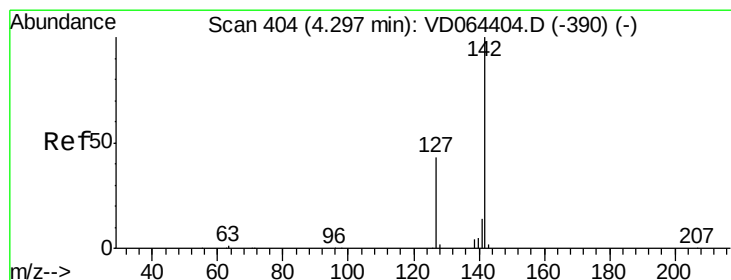
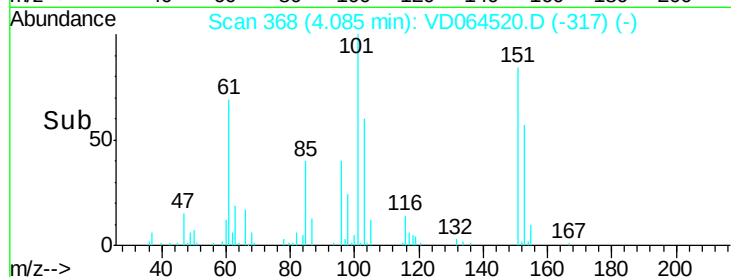
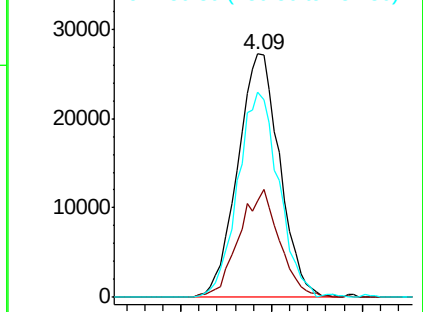
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.653 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

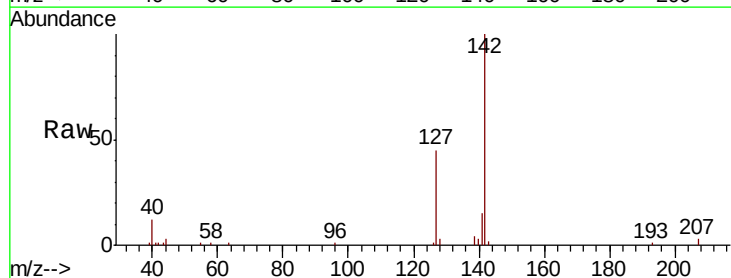
Tgt Ion:142 Resp: 86226

Ion Ratio Lower Upper

142 100

127 46.0 35.3 52.9

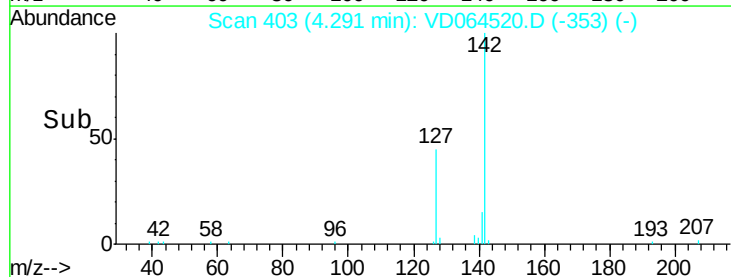
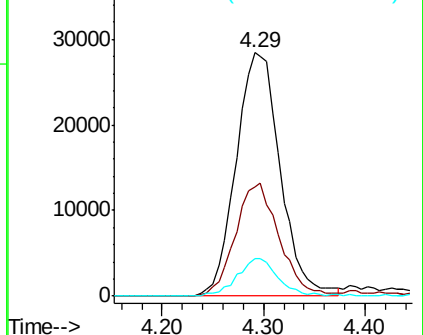
141 14.3 11.6 17.4

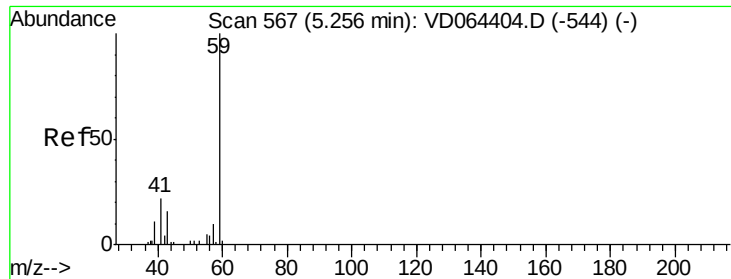


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

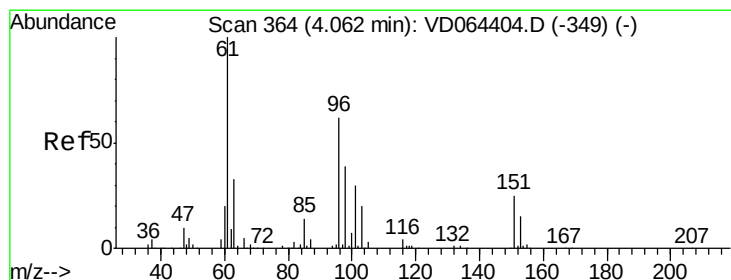
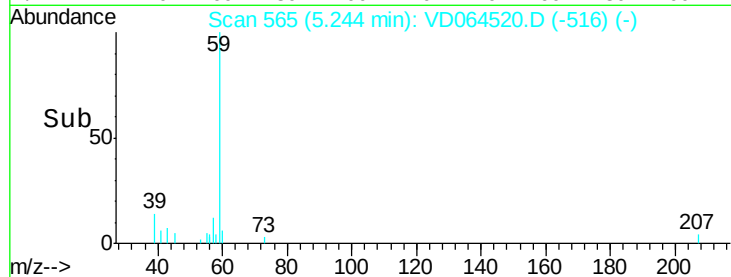
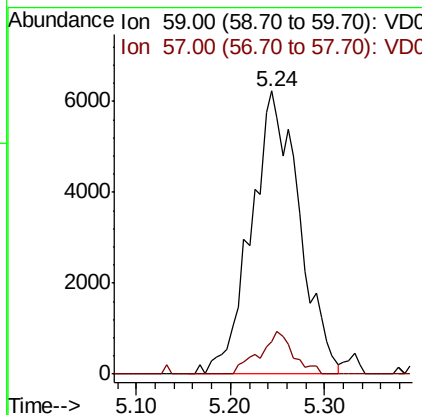
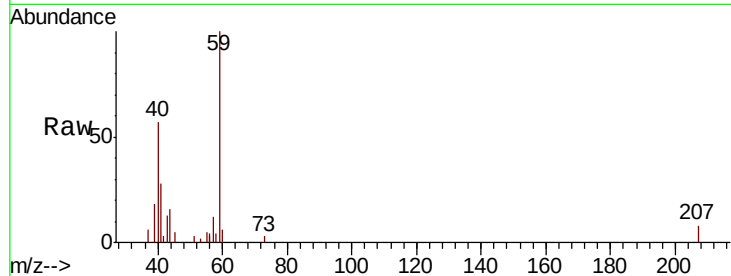
Tert butyl alcohol
Concen: 86.743 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

Tot Ion: 59 Resp: 22077
Ion Ratio Lower Upper
59 100
57 10.5 0.0 0.0#

Manual Integrations
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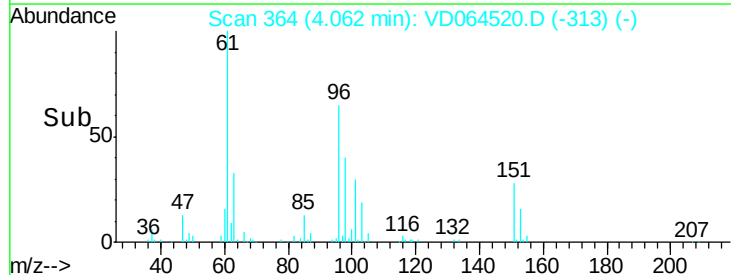
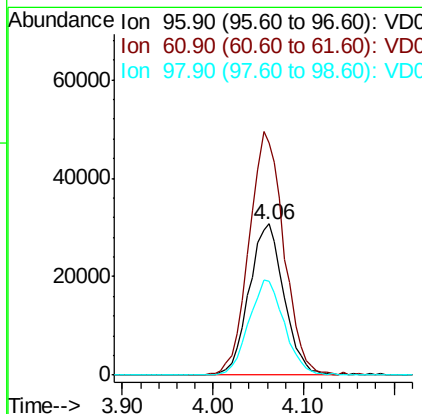
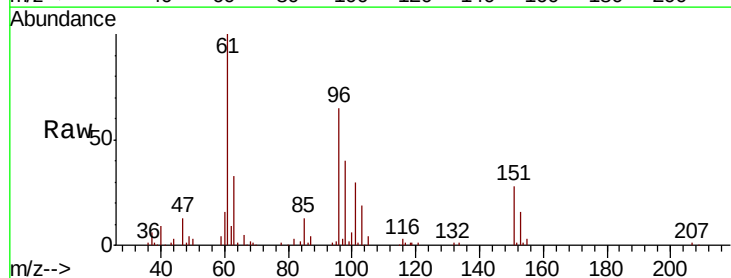
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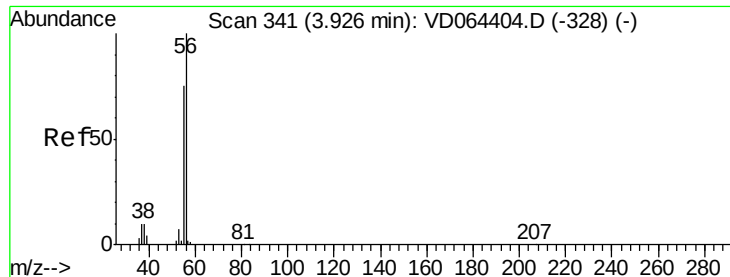


#12

1,1-Dichloroethene
Concen: 20.667 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Tgt Ion: 96 Resp: 82284
Ion Ratio Lower Upper
96 100
61 154.2 128.2 192.4
98 61.9 50.4 75.6





#13

Acrolein

Concen: 78.768 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBS01

Tot Ion: 56 Resp: 27344

Ion Ratio Lower Upper

56 100

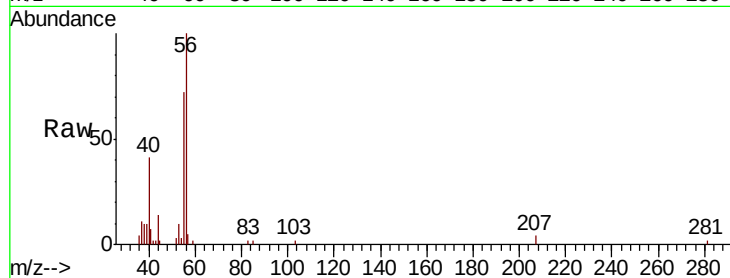
55 72.6 56.9 85.3

Manual Integrations

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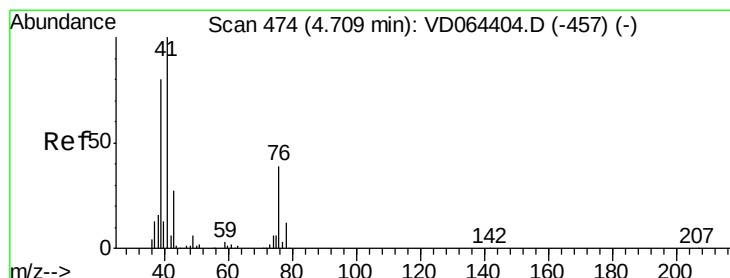
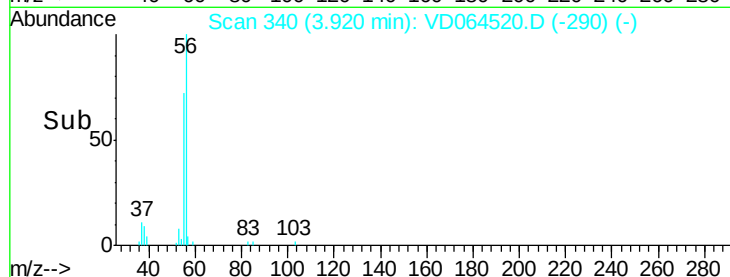
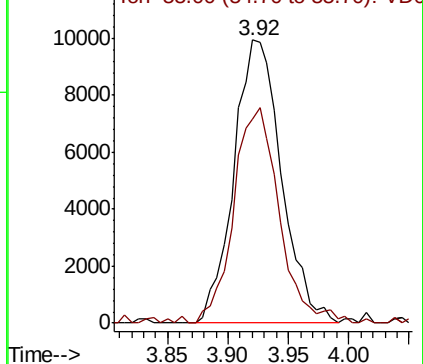
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.379 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

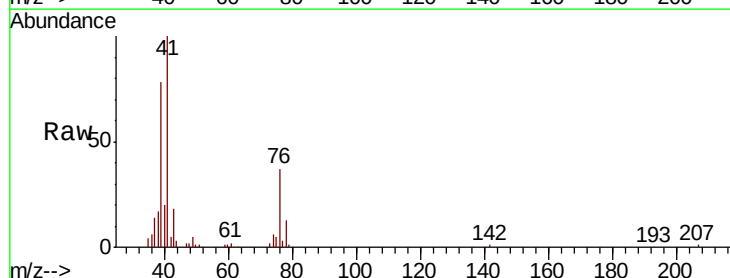
Tgt Ion: 41 Resp: 126630

Ion Ratio Lower Upper

41 100

39 78.8 62.1 93.1

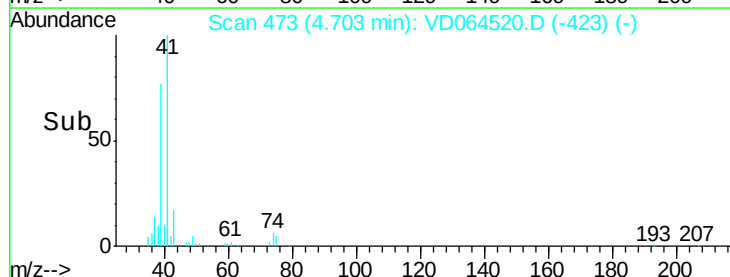
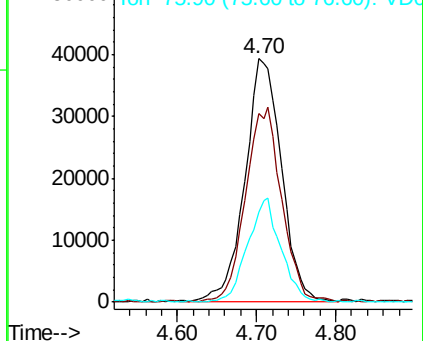
76 38.6 29.8 44.8

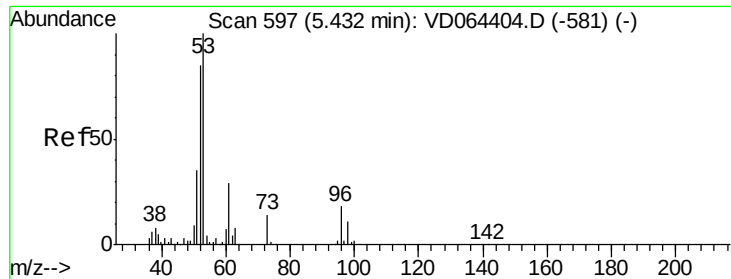


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 91.407 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA_D

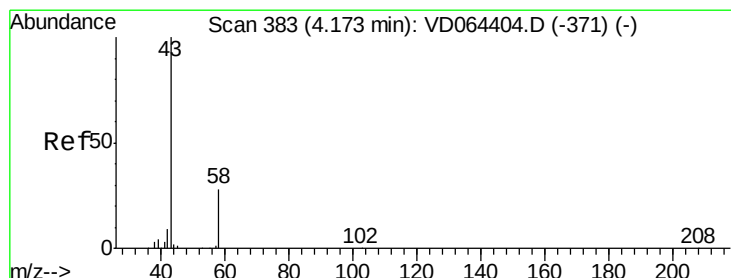
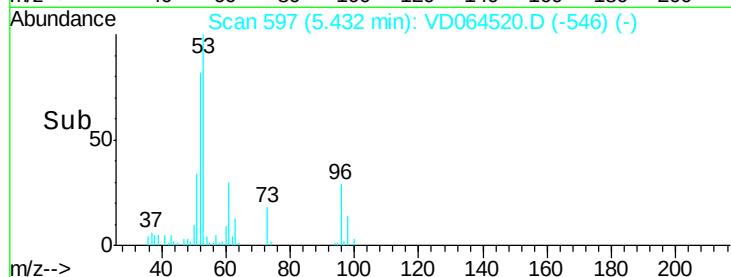
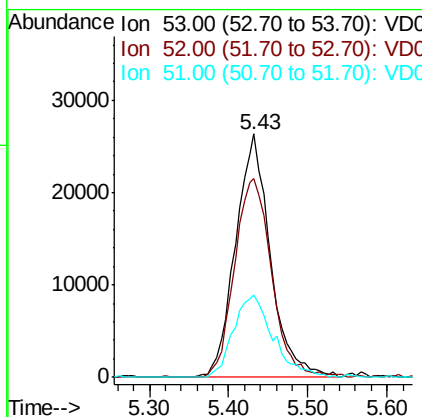
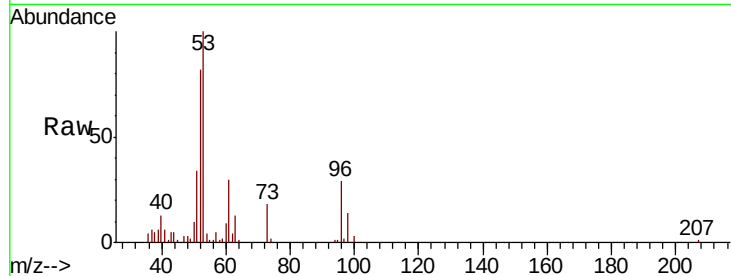
ClientSampleId :

VD1216SBS01

Tot Ion:	53	Resp:	80484
Ion Ratio	Lower	Upper	
53	100		
52	86.9	67.9	101.9
51	38.4	30.6	45.8

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#16

Acetone

Concen: 101.428 ug/l

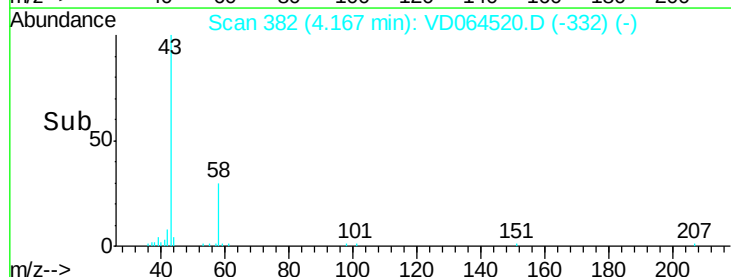
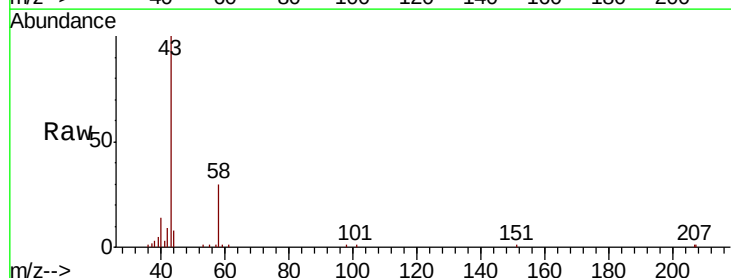
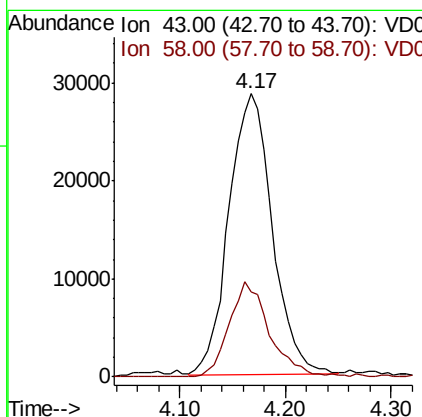
RT: 4.17 min Scan# 382

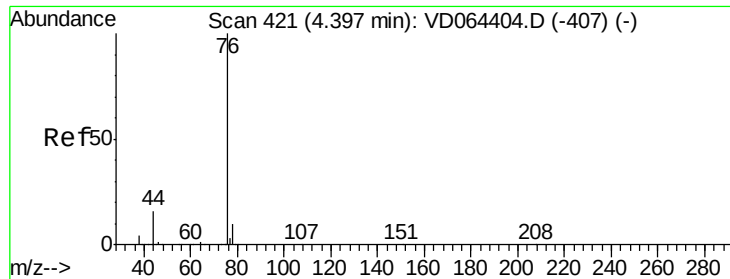
Delta R.T. -0.01 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Tgt Ion:	43	Resp:	81951
Ion Ratio	Lower	Upper	
43	100		
58	30.5	22.6	33.8





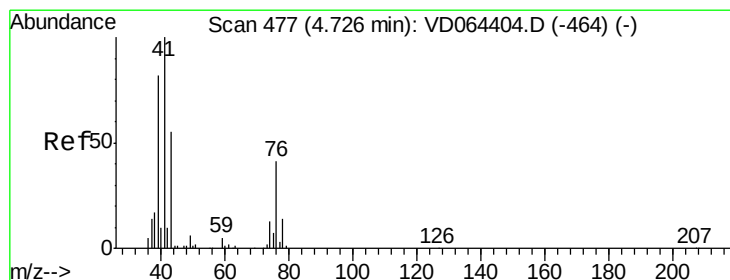
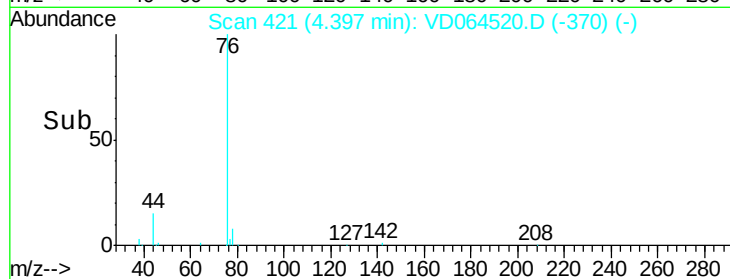
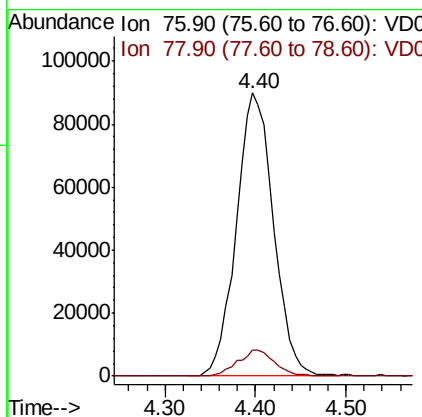
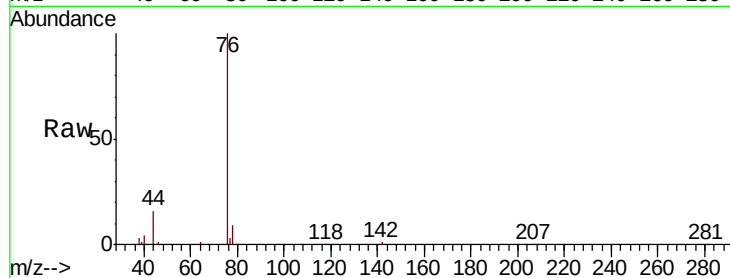
#17
Carbon Disulfide
Concen: 20.251 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.8	11.8

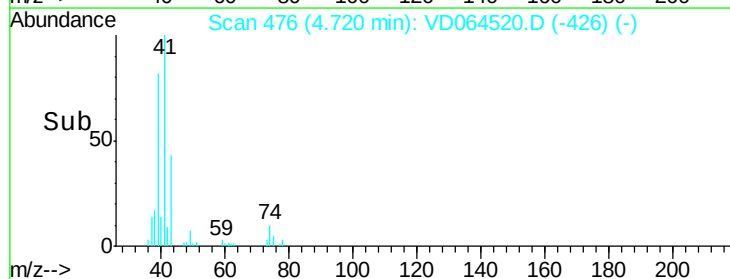
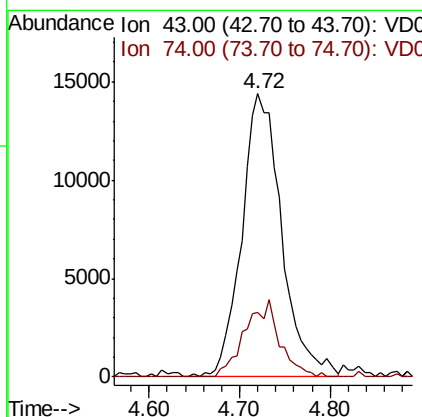
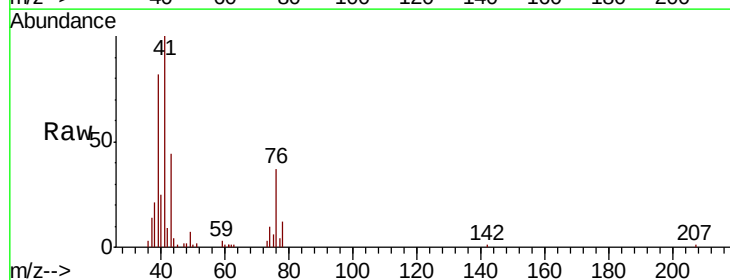
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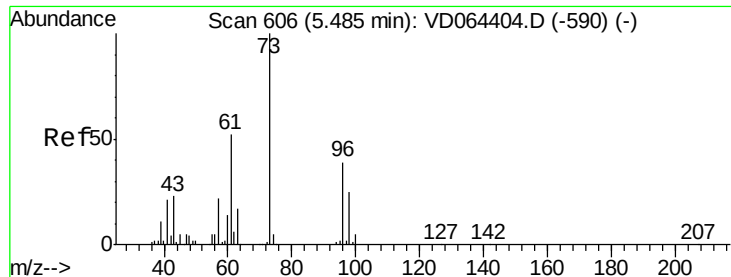
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#18
Methyl Acetate
Concen: 18.664 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.7	29.5





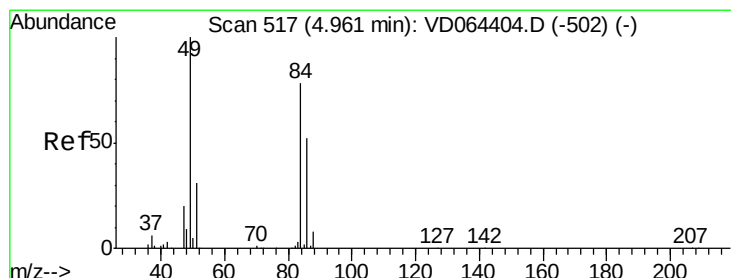
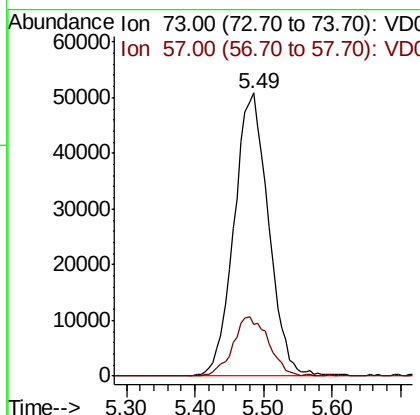
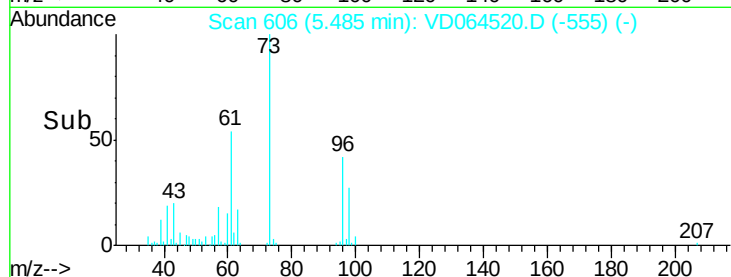
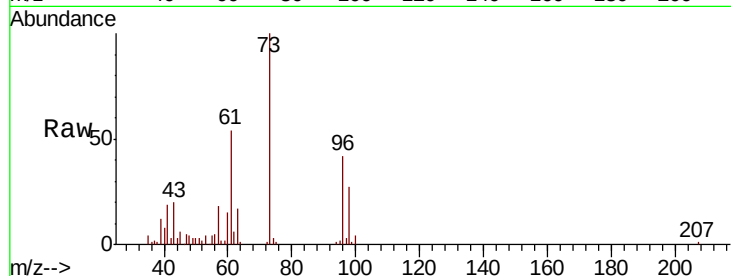
#19
Methyl tert-butyl Ether
Concen: 19.410 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

Tot Ion: 73 Resp: 177269
Ion Ratio Lower Upper
73 100
57 18.1 17.6 26.4

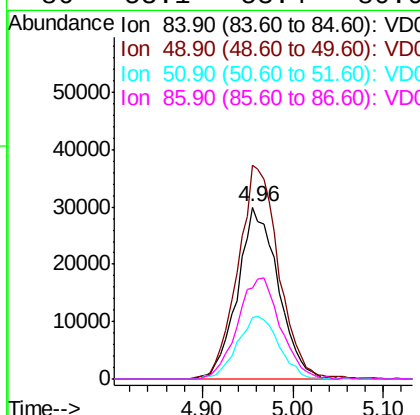
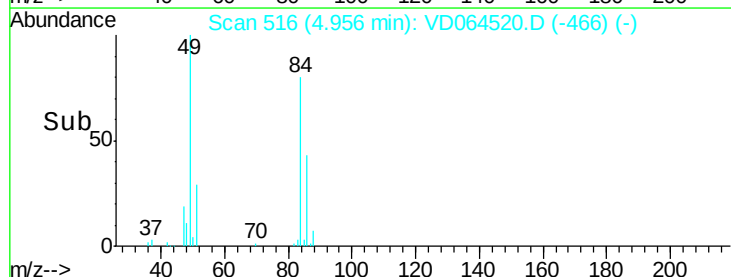
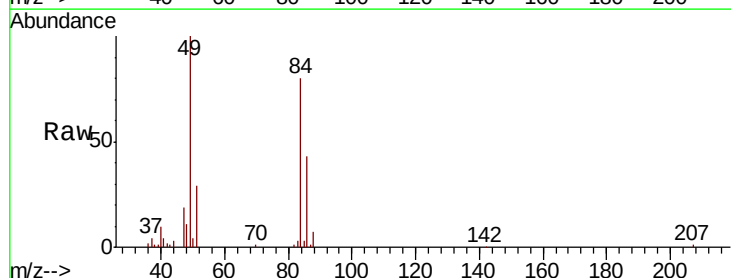
Manual Integrations
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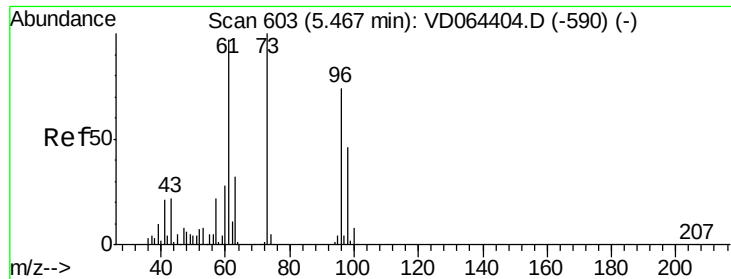
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#20
Methylene Chloride
Concen: 19.998 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Tgt Ion: 84 Resp: 93052
Ion Ratio Lower Upper
84 100
49 124.5 102.6 153.8
51 36.1 32.0 48.0
86 53.1 53.4 80.0#





#21

trans-1,2-Dichloroethene

Concen: 20.646 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA_D

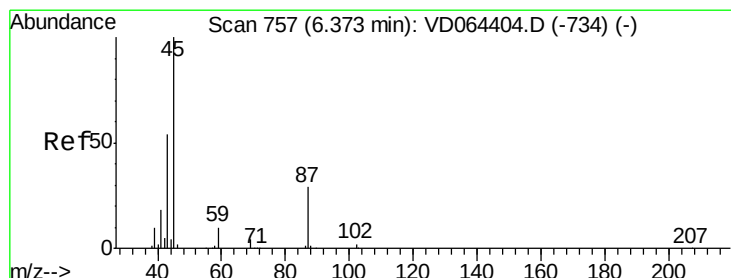
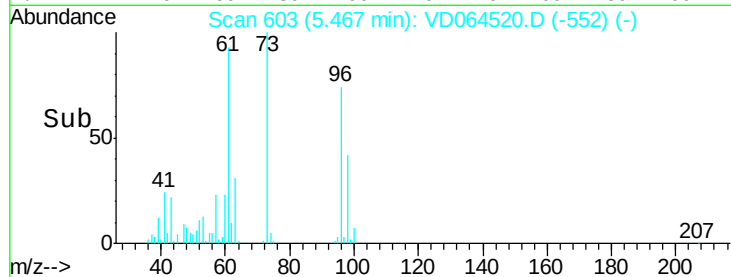
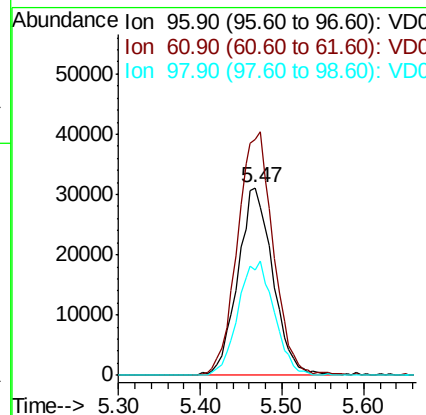
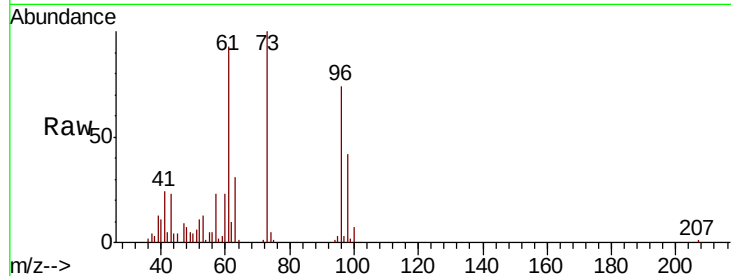
ClientSampleId :

VD1216SBS01

Tot Ion:	96	Resp:	92984
Ion	Ratio	Lower	Upper
96	100		
61	126.1	105.8	158.6
98	56.2	50.1	75.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.901 ug/l

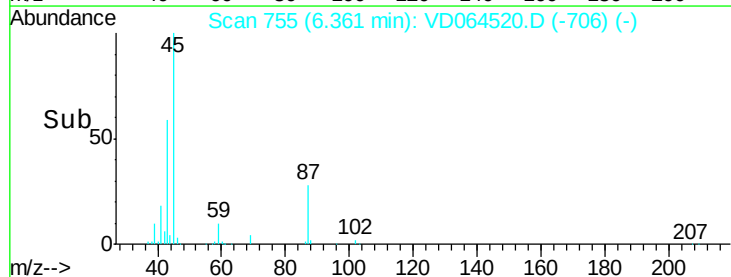
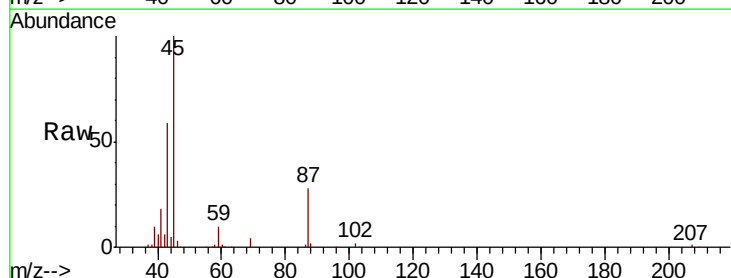
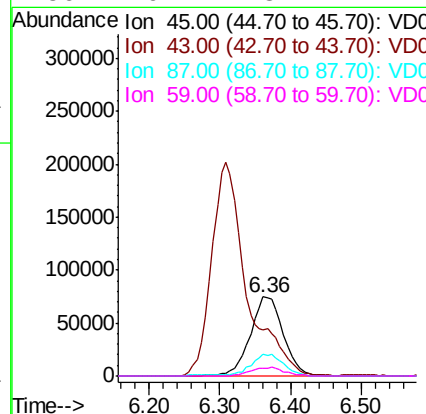
RT: 6.36 min Scan# 755

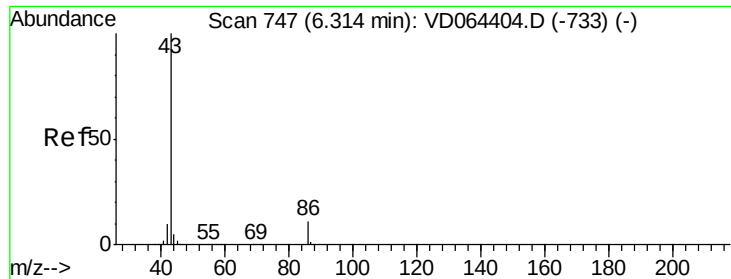
Delta R.T. -0.01 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Tgt Ion:	45	Resp:	244118
Ion	Ratio	Lower	Upper
45	100		
43	57.5	43.1	64.7
87	28.3	23.5	35.3
59	10.4	8.2	12.2





#23

Vinyl Acetate

Concen: 96.468 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBS01

Tot Ion: 43 Resp: 697615

Ion Ratio Lower Upper

43 100

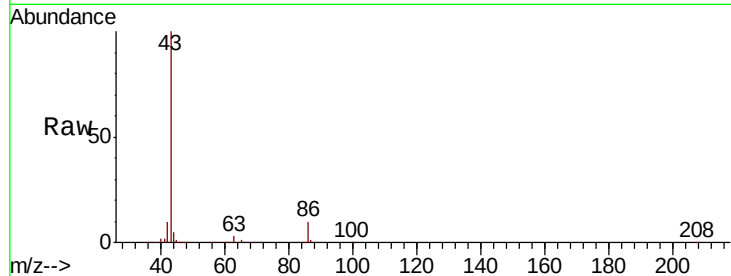
86 10.3 8.9 13.3

Manual Integrations

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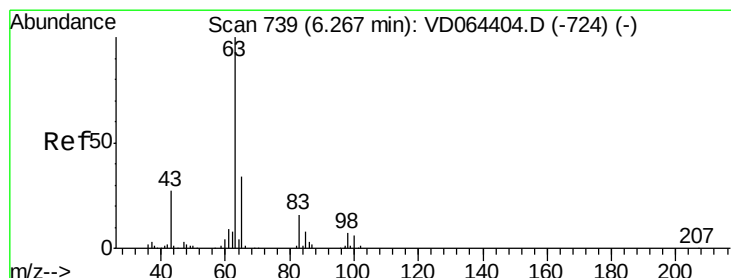
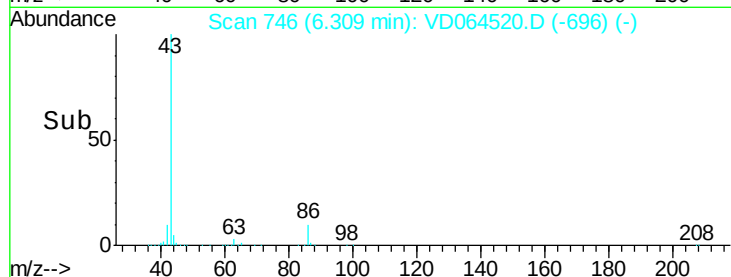
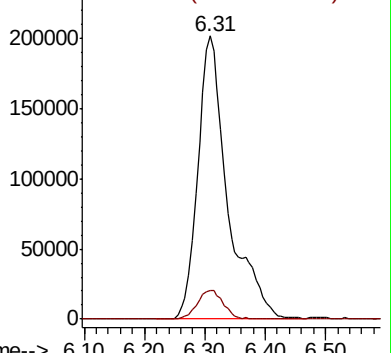
apatel

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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: 20.996 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

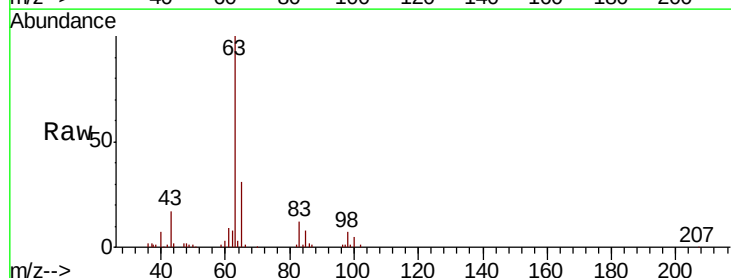
Tgt Ion: 63 Resp: 154883

Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.9

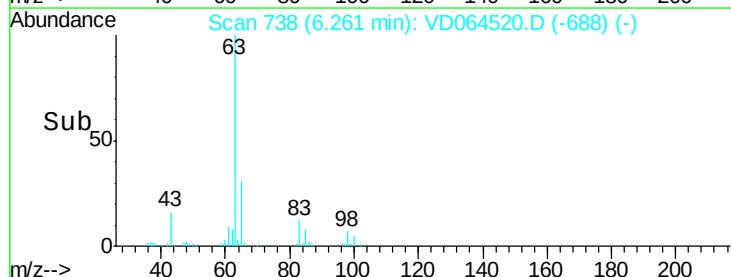
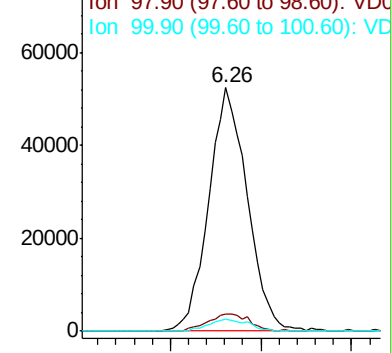
100 5.1 2.9 8.6

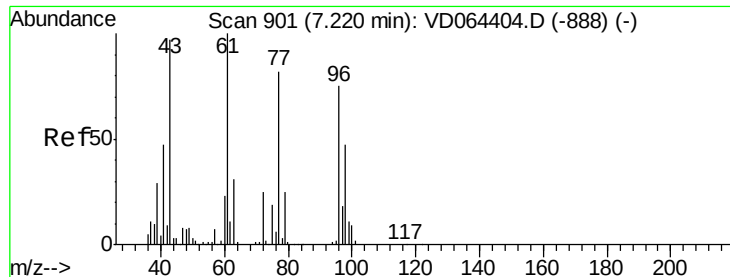


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 92.034 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBS01

Tot Ion: 43 Resp: 105162

Ion Ratio Lower Upper

43 100

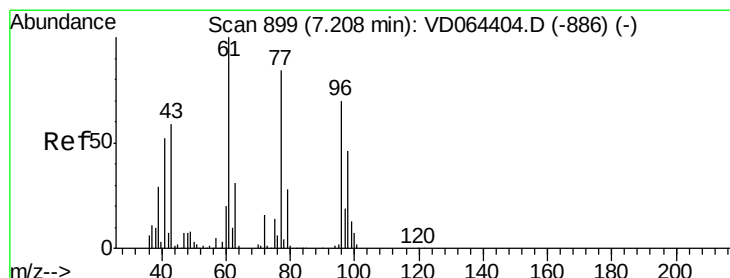
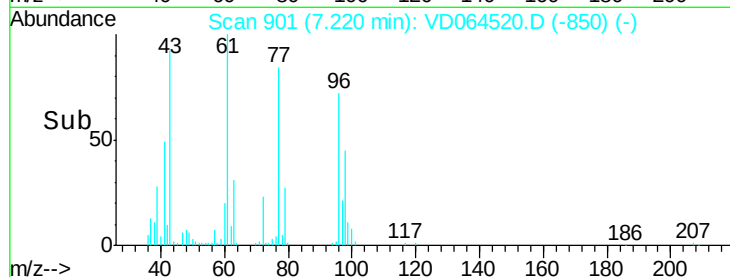
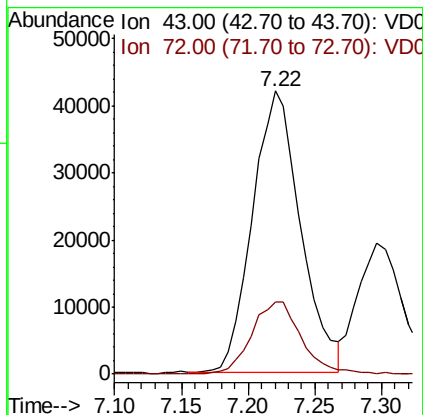
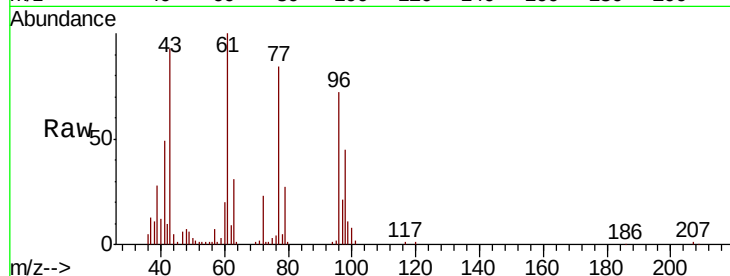
72 25.4 21.0 31.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.178 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064520.D

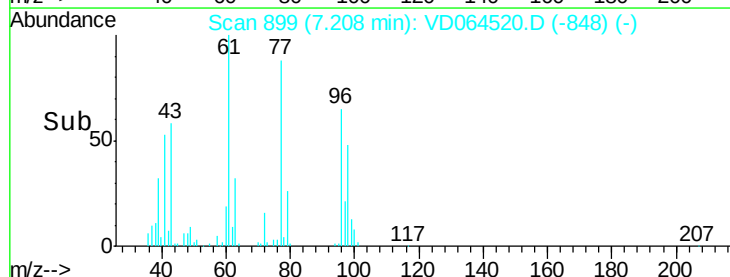
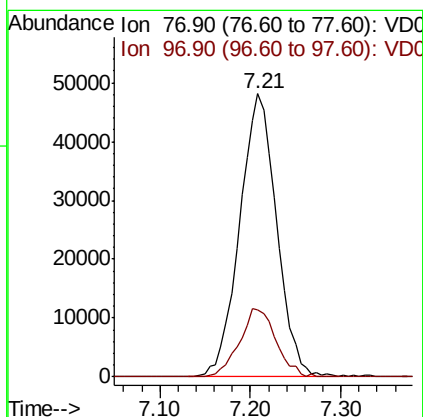
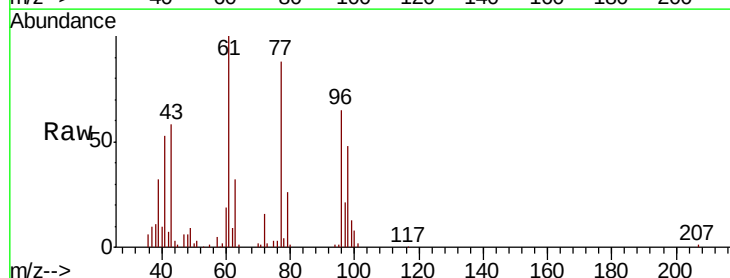
Acq: 16 Dec 2019 12:43

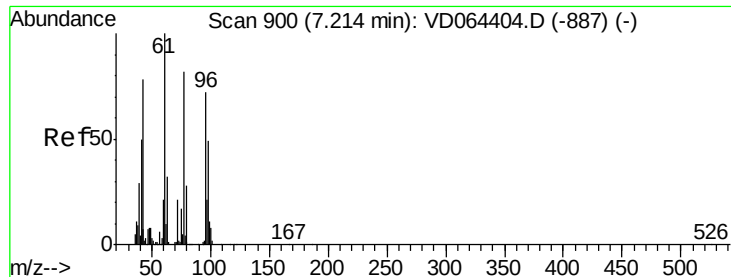
Tgt Ion: 77 Resp: 135864

Ion Ratio Lower Upper

77 100

97 23.9 11.6 34.7





#27

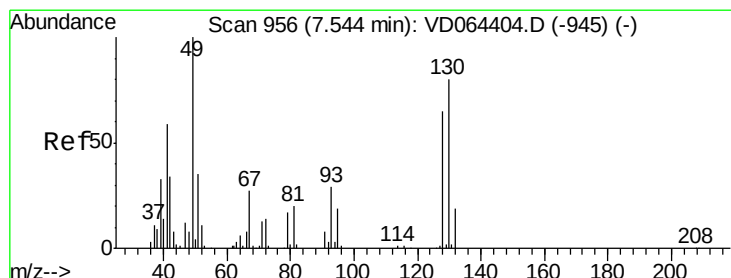
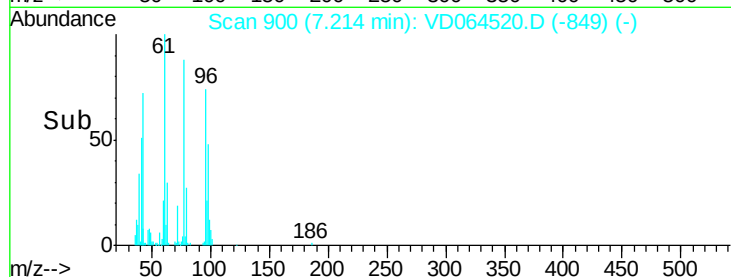
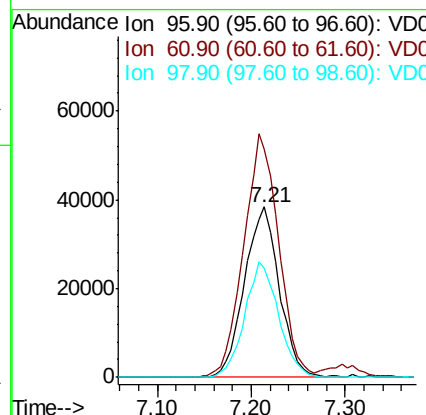
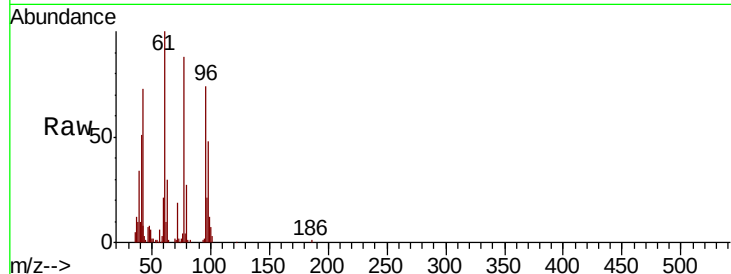
cis-1,2-Dichloroethene
Concen: 20.121 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	279.6
98	65.7	0.0	129.2

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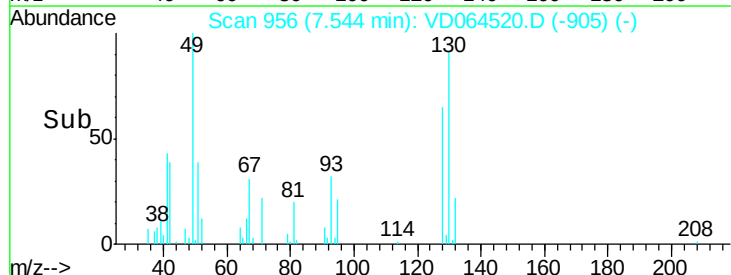
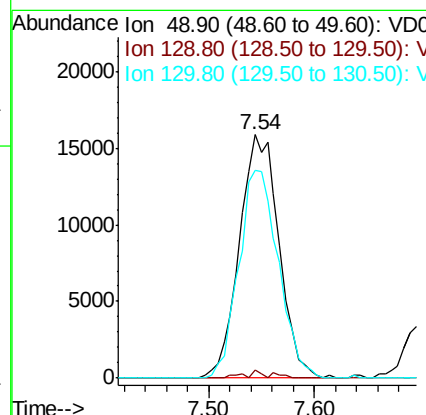
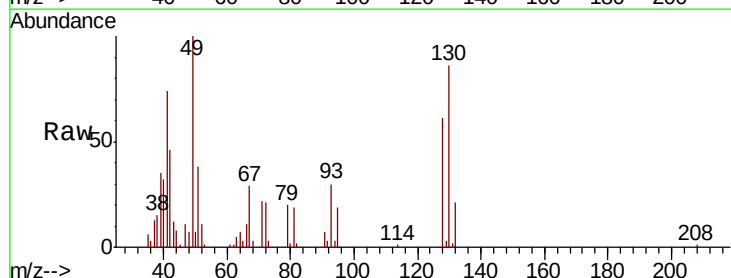
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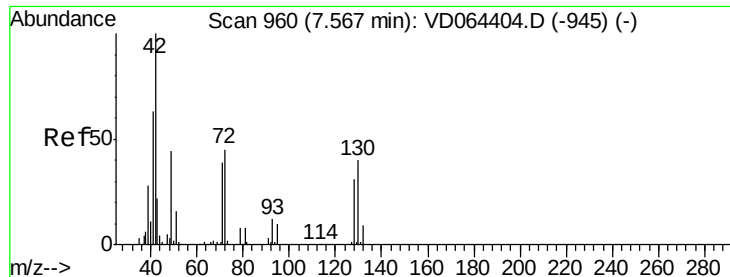


#28

Bromochloromethane
Concen: 16.351 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.4
130	85.3	67.4	101.0





#29

Tetrahydrofuran

Concen: 91.438 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA_D

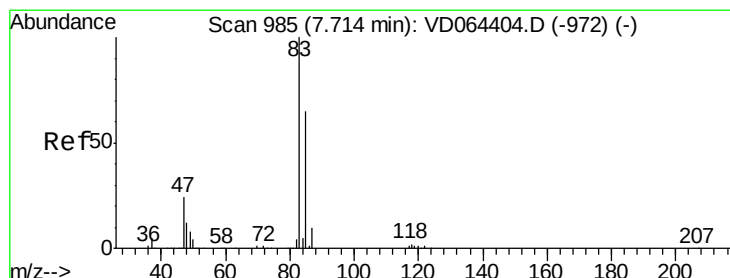
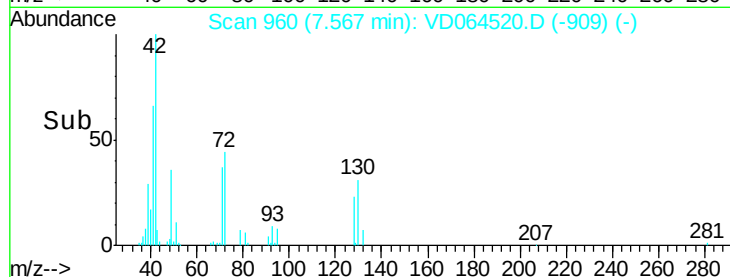
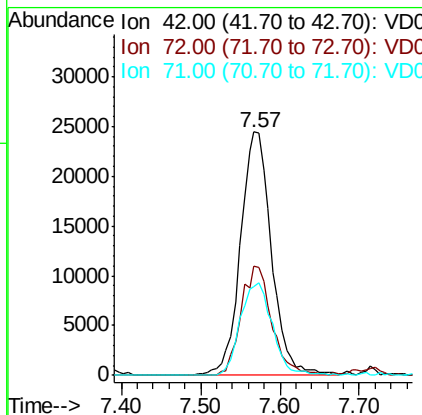
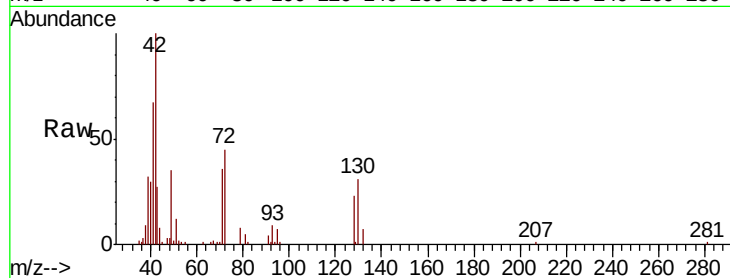
ClientSampleId :

VD1216SBS01

Tot Ion:	42	Resp:	66473
Ion	Ratio	Lower	Upper
42	100		
72	44.2	35.8	53.8
71	39.2	32.7	49.1

Manual Integrations
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#30

Chloroform

Concen: 20.497 ug/l

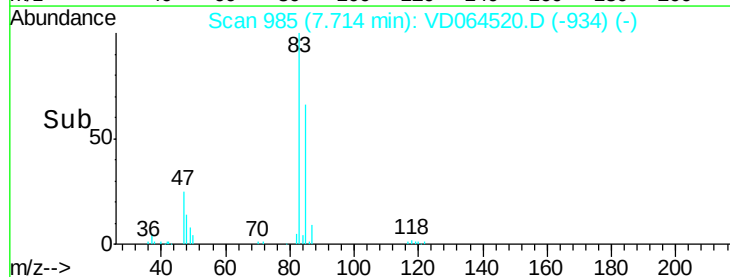
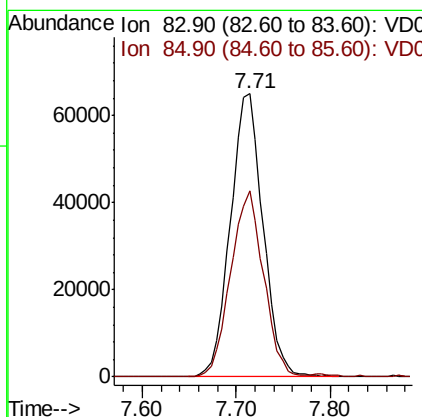
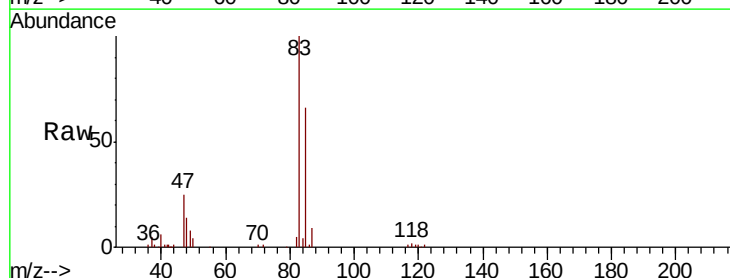
RT: 7.71 min Scan# 985

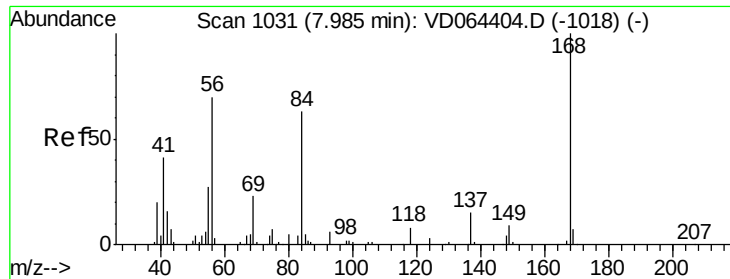
Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Tgt Ion:	83	Resp:	156593
Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.8	77.6





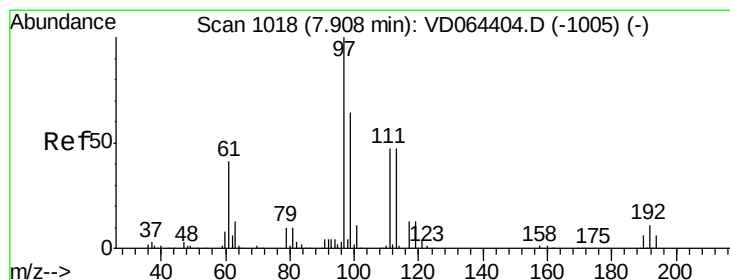
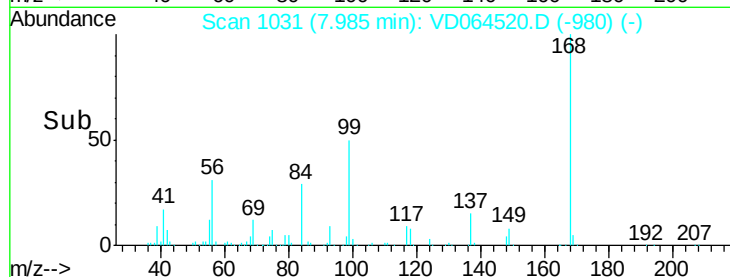
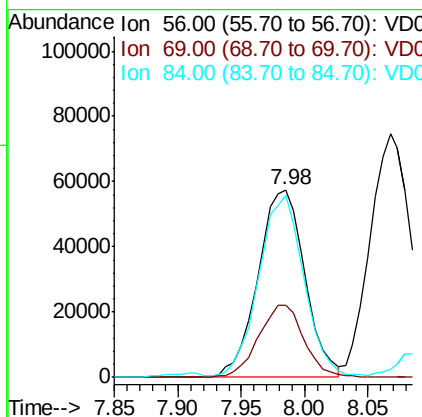
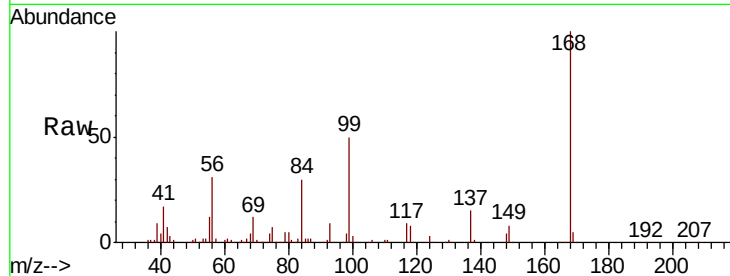
#31
Cyclohexane
Concen: 20.264 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Instrument :
MSVOA_D
ClientSampleID :
VD1216SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.2	26.2	39.4
84	95.0	70.3	105.5

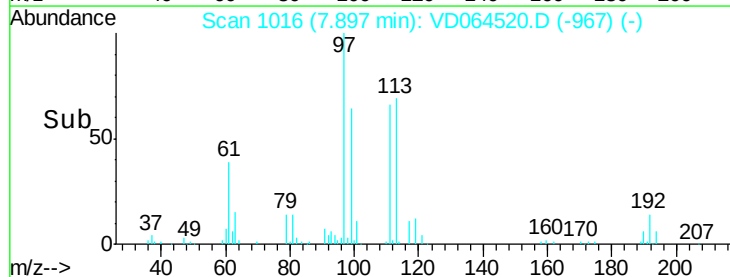
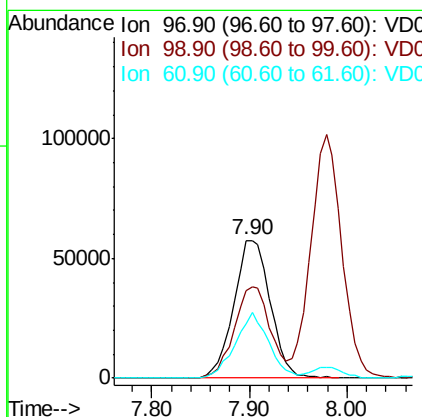
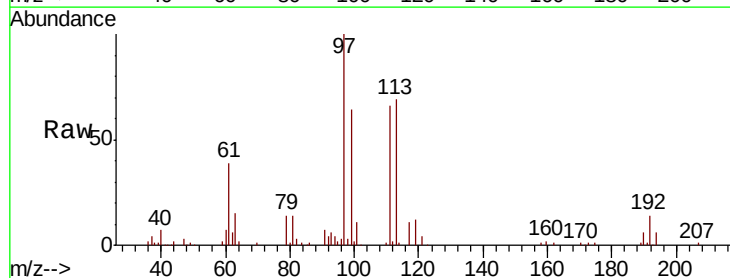
Manual Integrations
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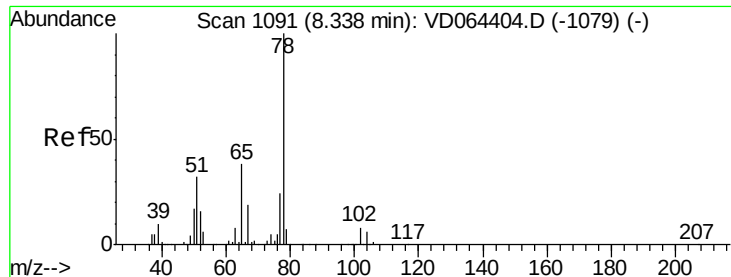
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#32
1,1,1-Trichloroethane
Concen: 21.065 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.4	77.2
61	43.4	35.0	52.4





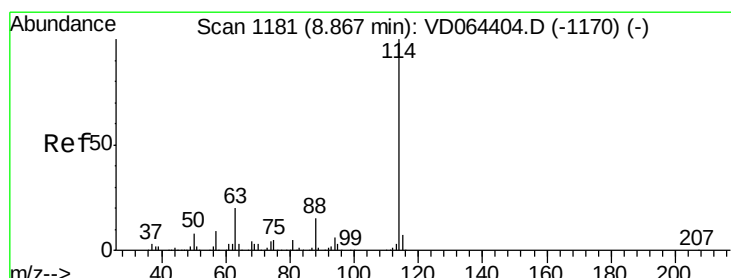
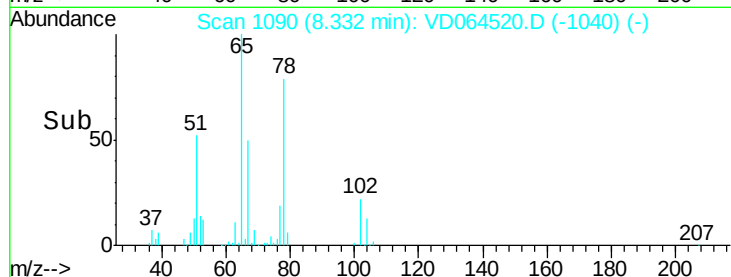
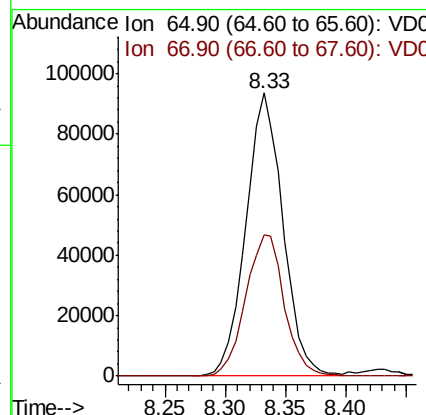
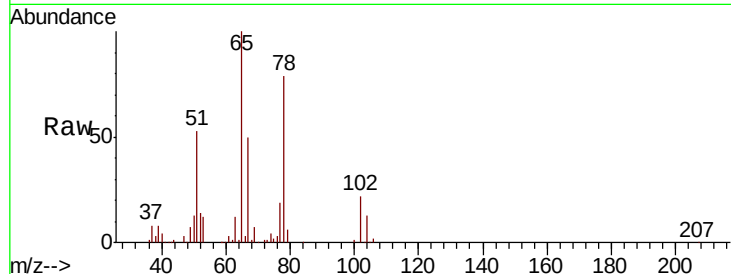
#33
 1,2-Dichloroethane-d4
 Concen: 50.263 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064520.D
 Acq: 16 Dec 2019 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1216SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	200966		
67	52.0	0.0	102.0	

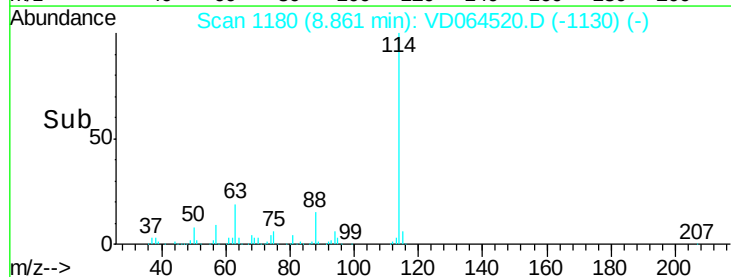
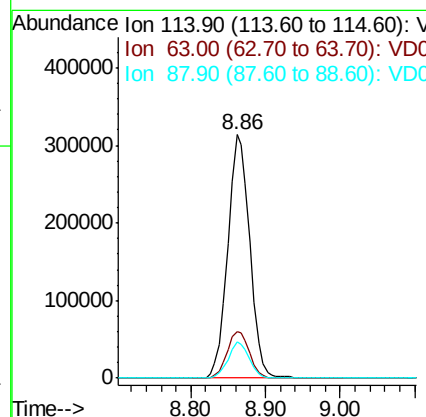
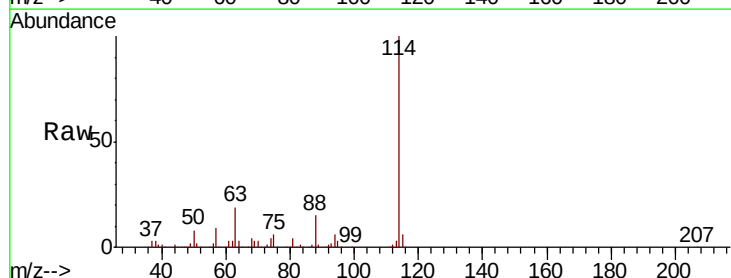
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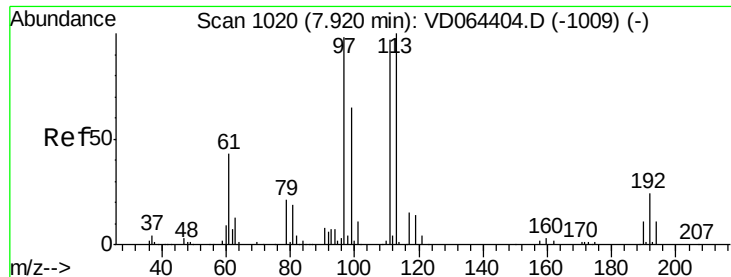
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD064520.D
 Acq: 16 Dec 2019 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	644071		
63	19.0	0.0	40.0	
88	14.7	0.0	29.2	





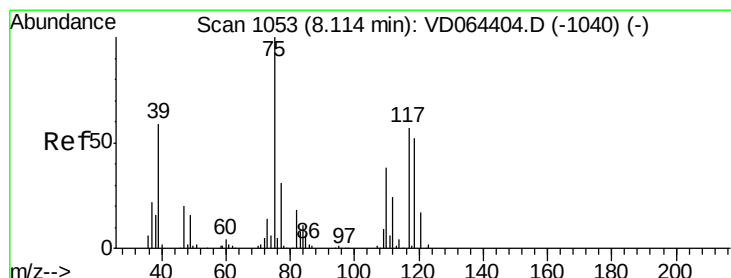
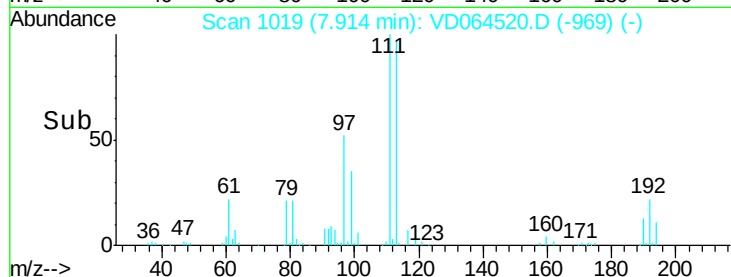
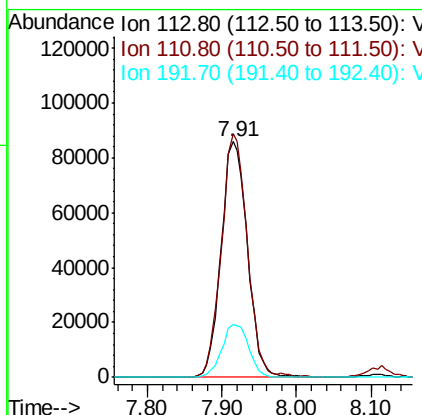
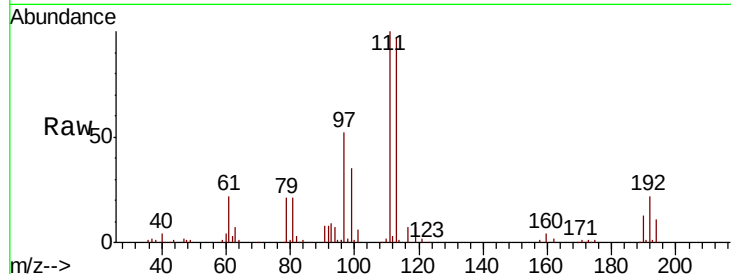
#35
 Dibromofluoromethane
 Concen: 51.935 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064520.D
 Acq: 16 Dec 2019 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1216SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	210749		
111	102.0		79.4	119.2
192	23.0		18.6	28.0

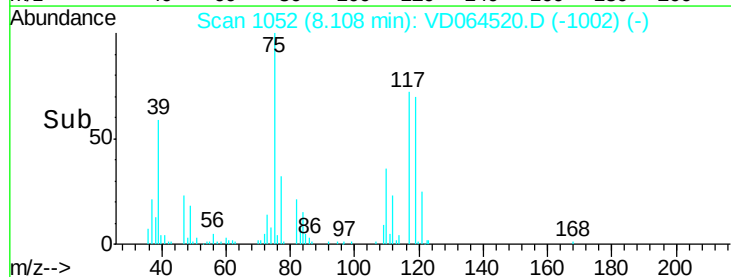
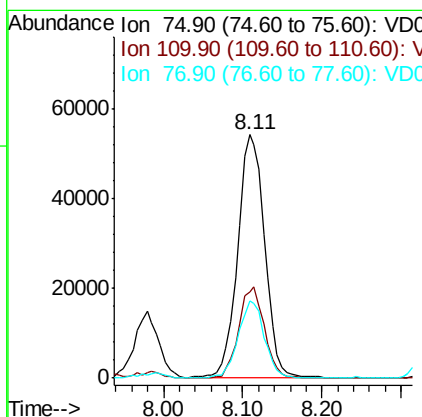
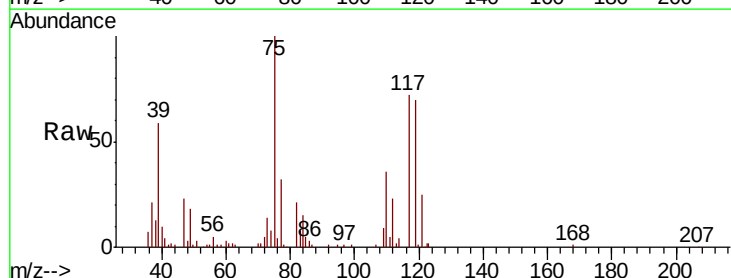
Manual Integrations
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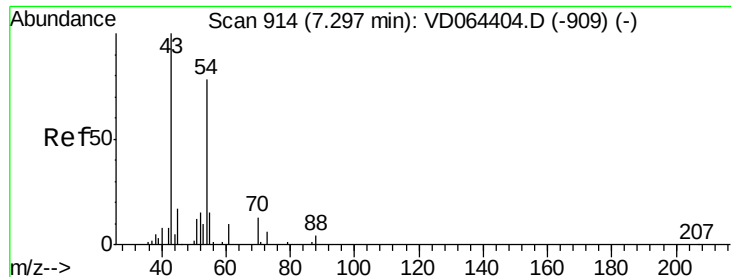
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#36
 1,1-Dichloropropene
 Concen: 21.084 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064520.D
 Acq: 16 Dec 2019 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	128446		
110	35.5		18.6	55.8
77	30.6		25.0	37.4





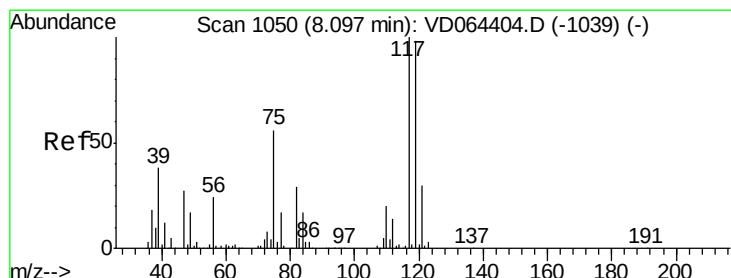
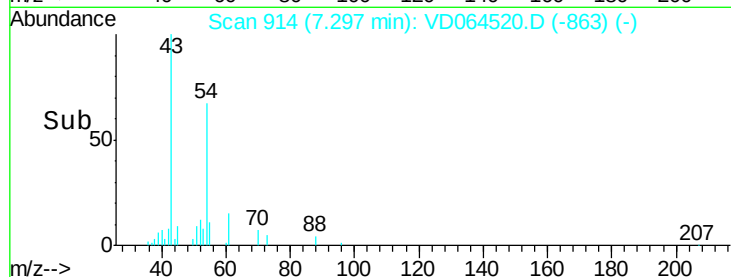
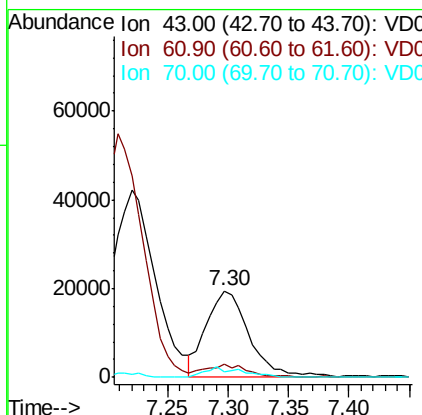
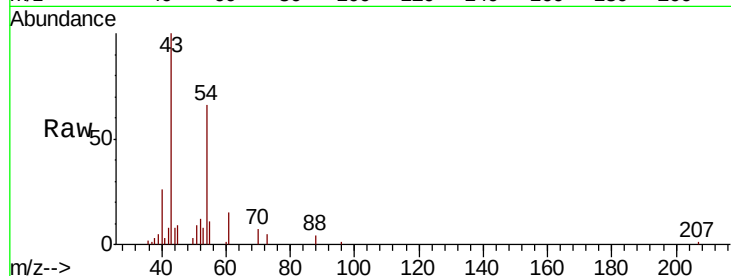
#37
Ethyl Acetate
Concen: 18.020 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	10.9	16.3
70	10.8	8.3	12.5

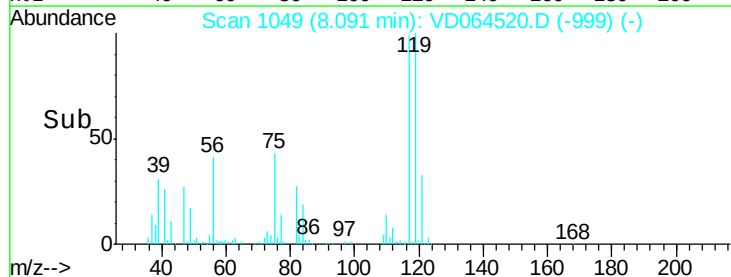
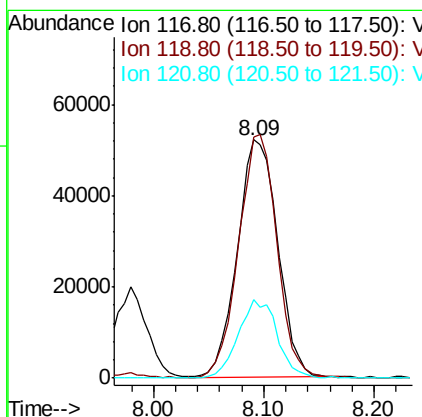
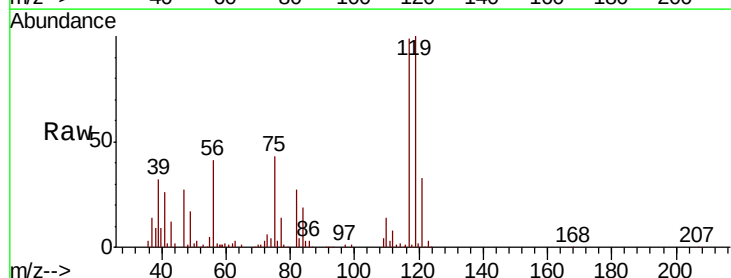
Manual Integrations
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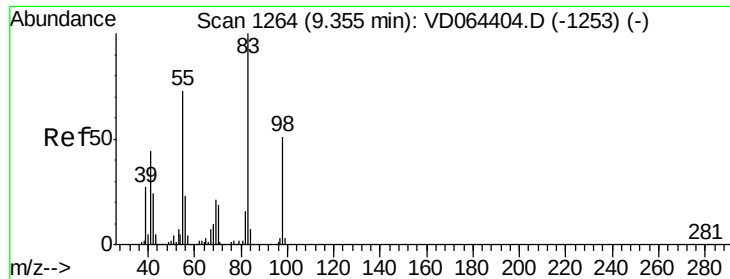
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#38
Carbon Tetrachloride
Concen: 20.789 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.7	78.8	118.2
121	33.1	24.2	36.2





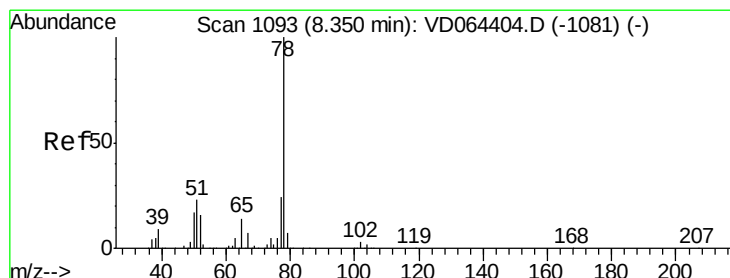
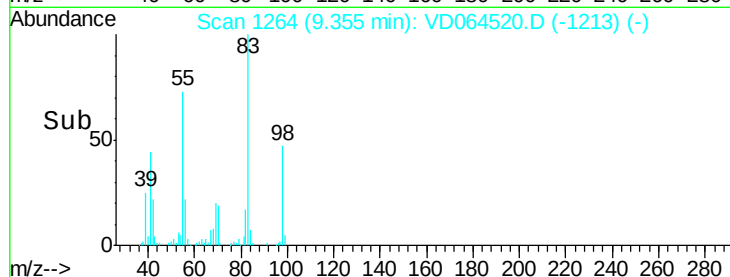
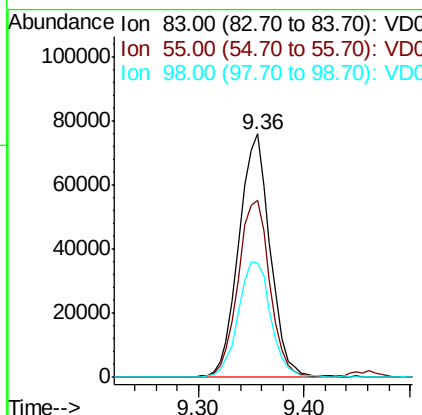
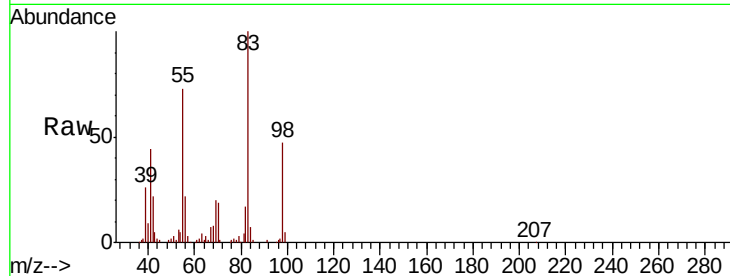
#39
Methylvlcyclohexane
Concen: 20.683 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.6	58.6	87.8
98	46.8	40.9	61.3

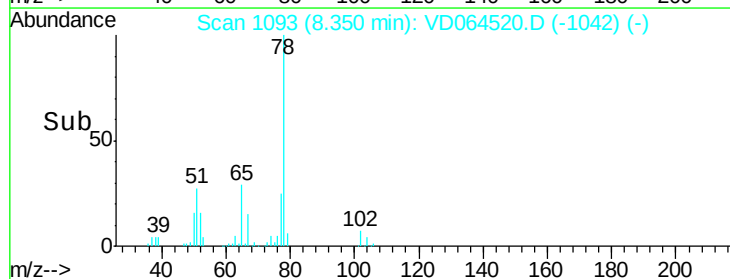
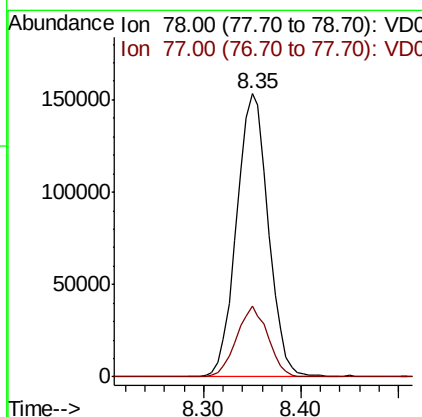
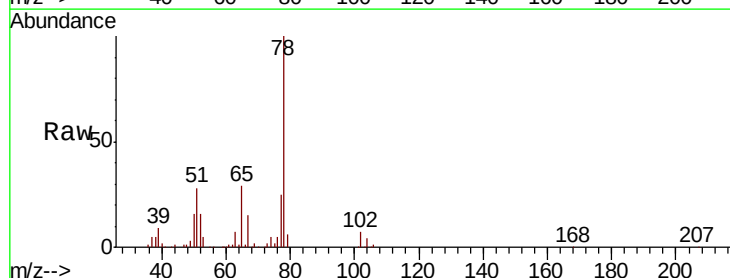
Manual Integrations
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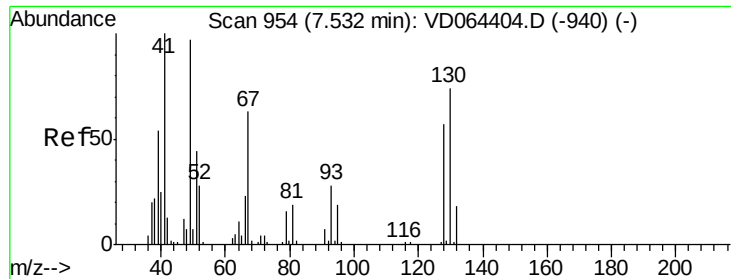
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#40
Benzene
Concen: 20.467 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.6	29.4





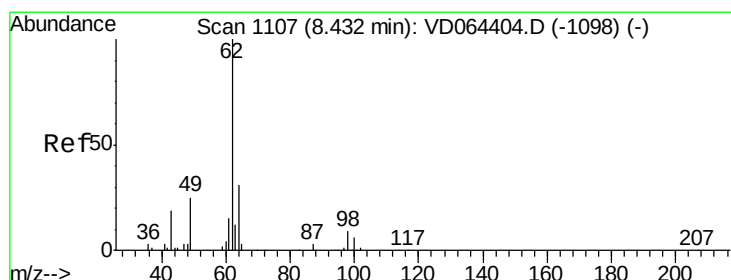
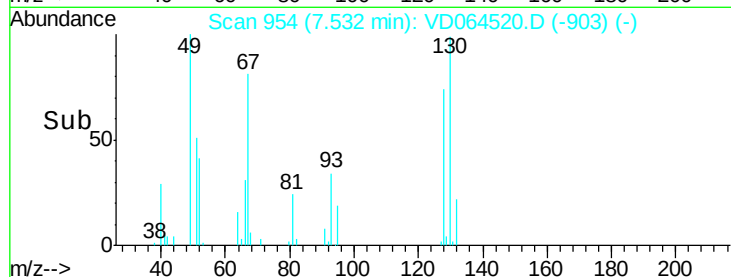
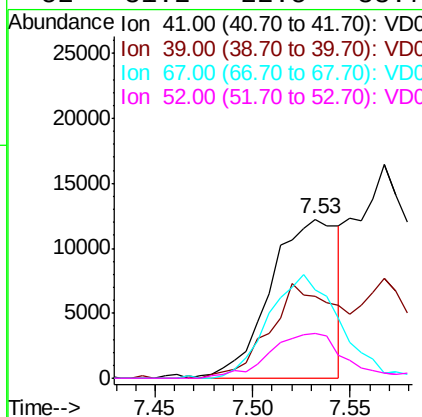
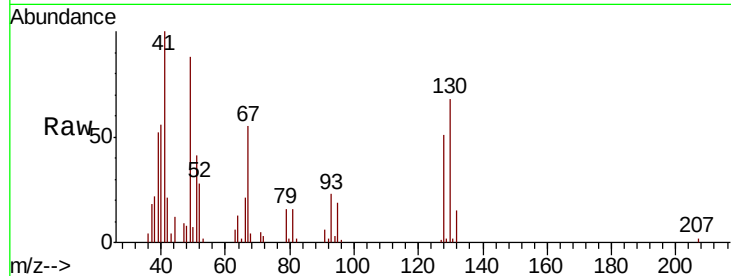
#41
Methacrylonitrile
Concen: 19.919 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

Tot Ion	41	Resp	29528
Ion Ratio	Lower	Upper	
41	100		
39	60.1	44.6	67.0
67	68.3	50.9	76.3
52	31.2	22.5	33.7

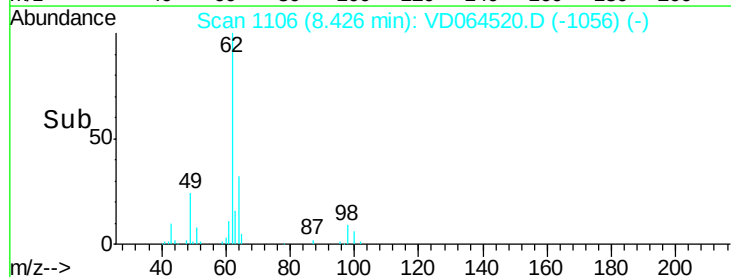
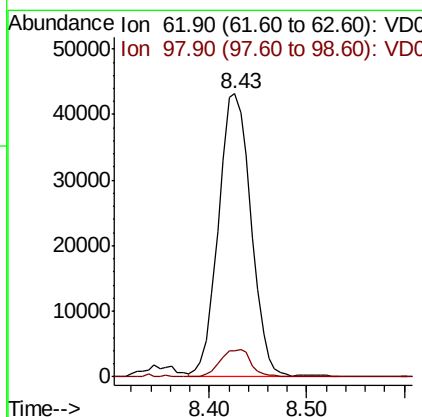
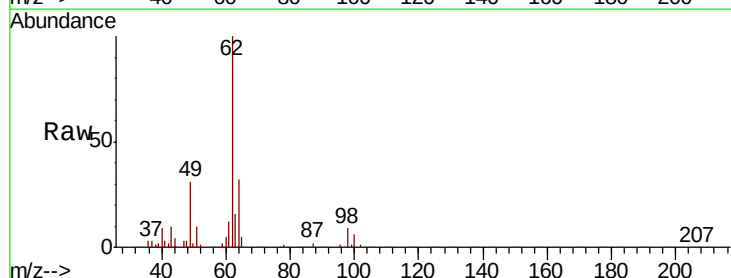
Manual Integrations
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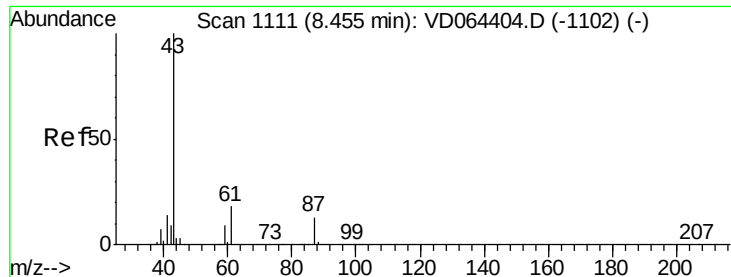
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#42
1,2-Dichloroethane
Concen: 20.353 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Tgt Ion	62	Resp	100430
Ion Ratio	Lower	Upper	
62	100		
98	9.3	0.0	20.6





#43

Isopropyl Acetate

Concen: 18.425 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA_D

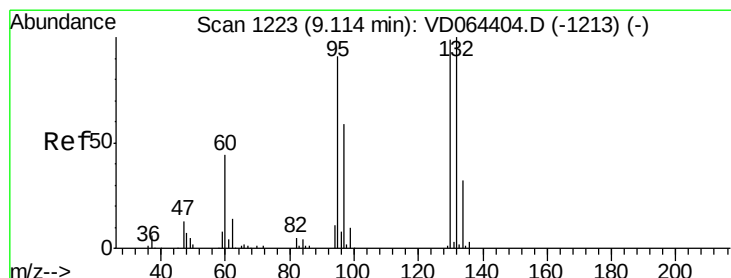
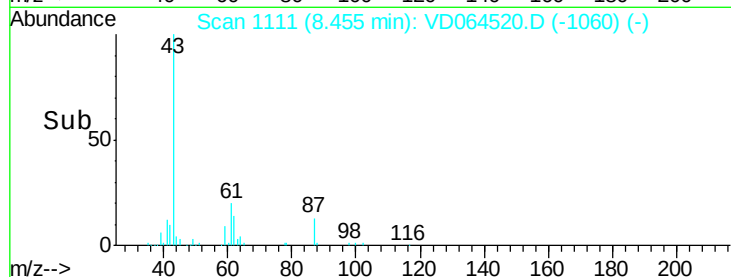
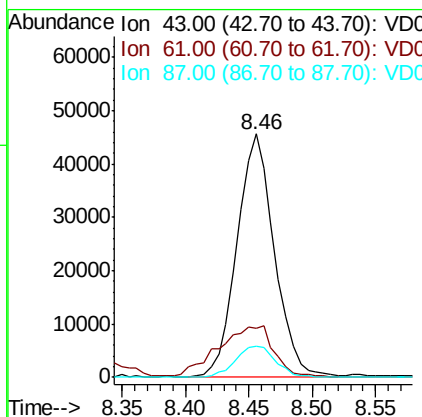
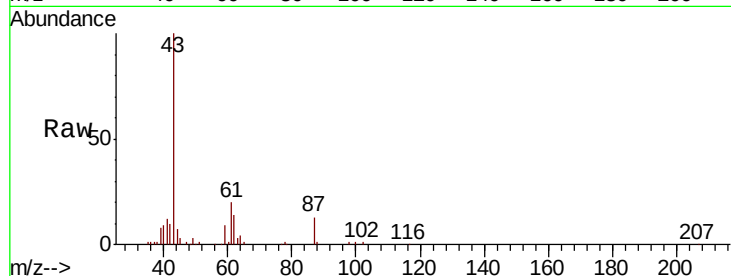
ClientSampleId :

VD1216SBS01

Tot Ion:	43	Resp:	93648
Ion	Ratio	Lower	Upper
43	100		
61	31.6	24.0	36.0
87	13.9	10.6	15.8

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#44

Trichloroethene

Concen: 20.046 ug/l

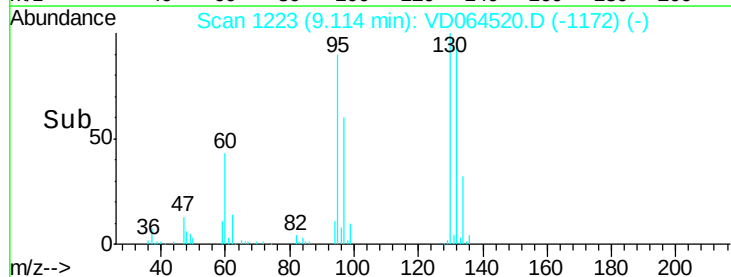
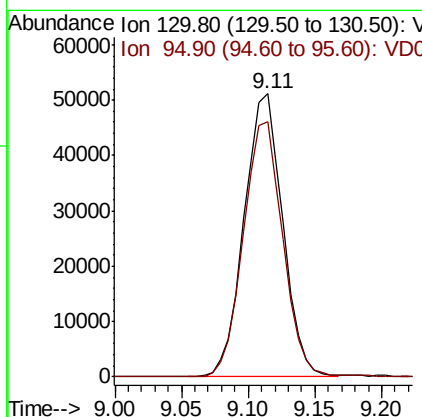
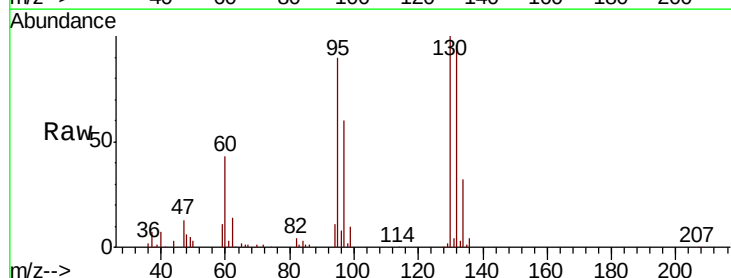
RT: 9.11 min Scan# 1223

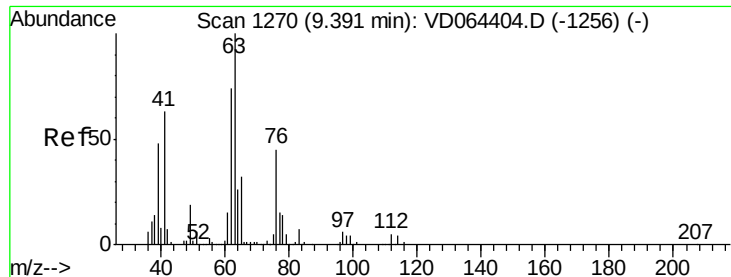
Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Tgt Ion:	130	Resp:	102172
Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	184.6





#45

1,2-Dichloropropane

Concen: 20.342 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBS01

Tot Ion: 63 Resp: 82317

Ion Ratio Lower Upper

63 100

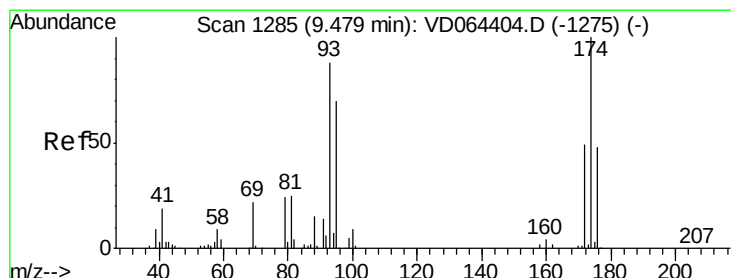
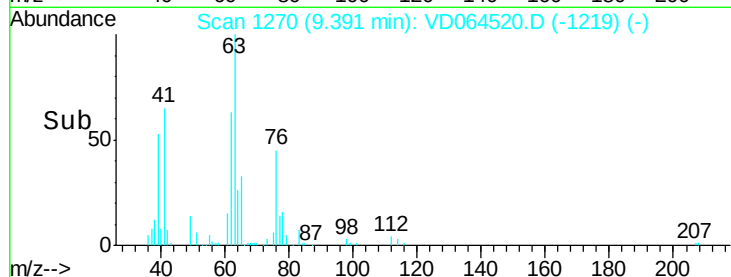
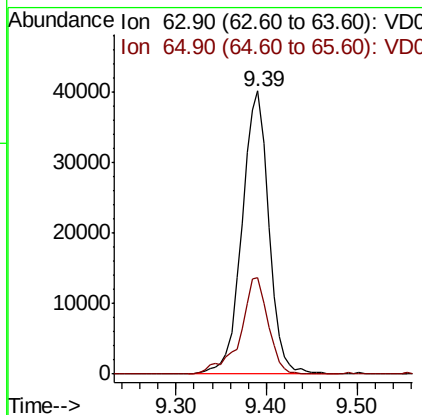
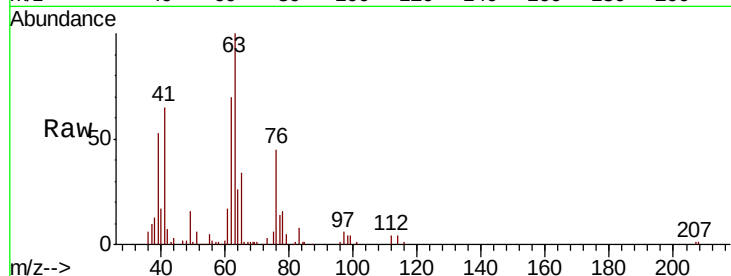
65 33.9 25.4 38.0

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#46

Dibromomethane

Concen: 20.099 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

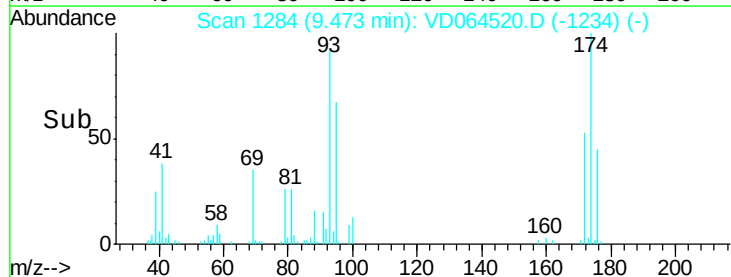
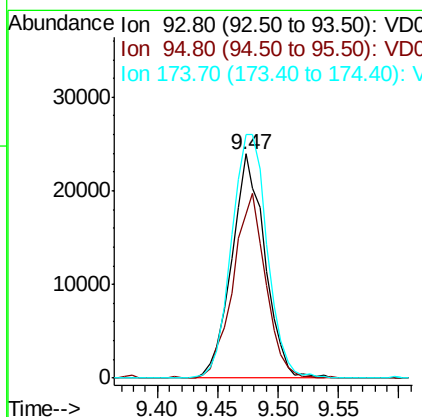
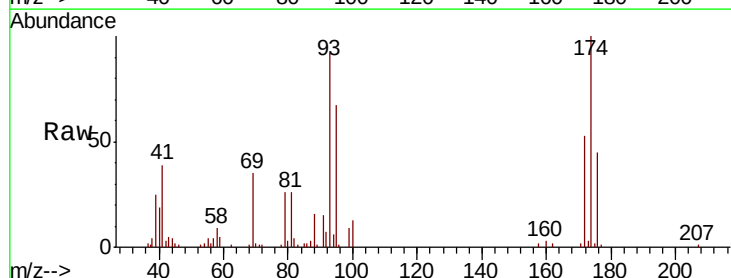
Tgt Ion: 93 Resp: 45903

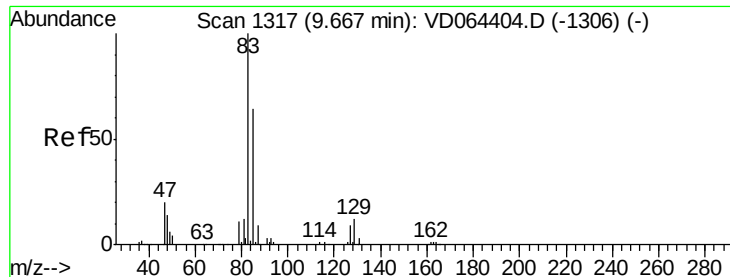
Ion Ratio Lower Upper

93 100

95 81.1 66.7 100.1

174 117.4 92.3 138.5





#47

Bromodichloromethane

Concen: 20.522 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA_D

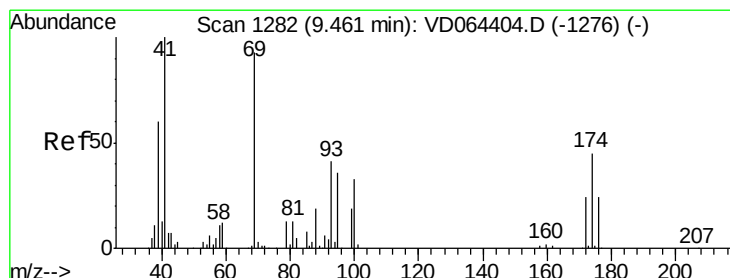
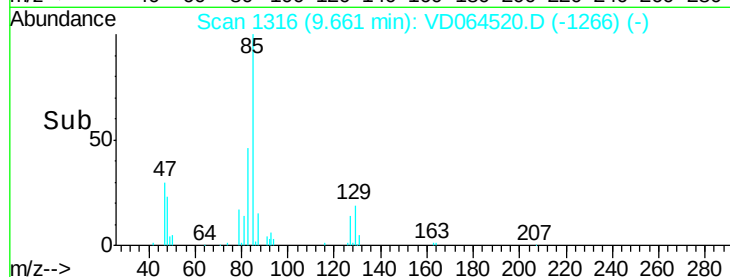
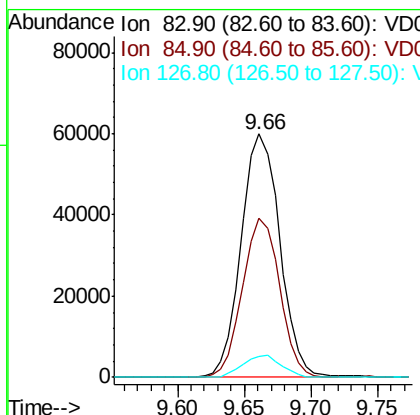
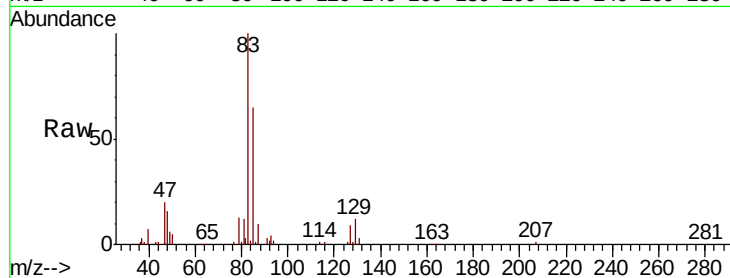
ClientSampleId :

VD1216SBS01

Tot Ion:	83	Resp:	120431
Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.1	76.7
127	8.8	7.4	11.0

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#48

Methyl methacrylate

Concen: 19.015 ug/l

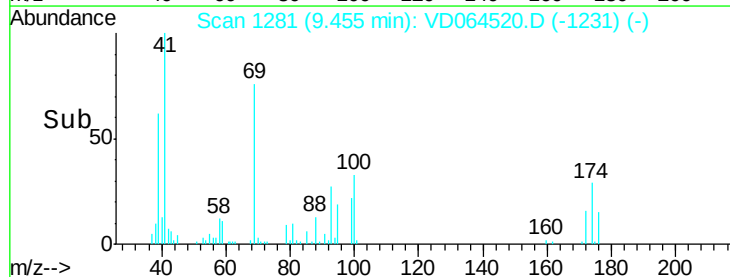
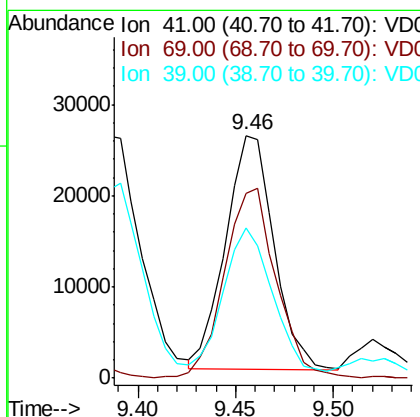
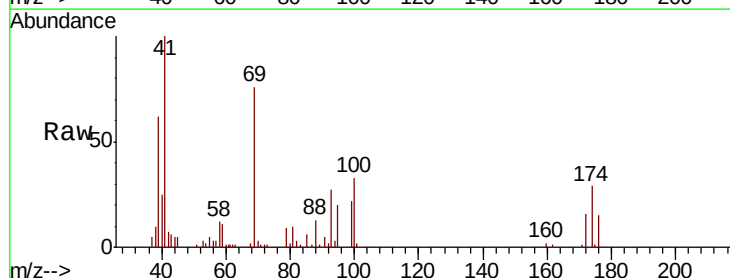
RT: 9.46 min Scan# 1281

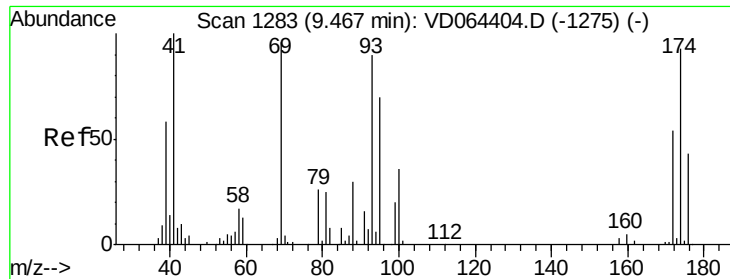
Delta R.T. -0.01 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Tgt Ion:	41	Resp:	44223
Ion	Ratio	Lower	Upper
41	100		
69	86.6	72.0	108.0
39	68.0	55.2	82.8





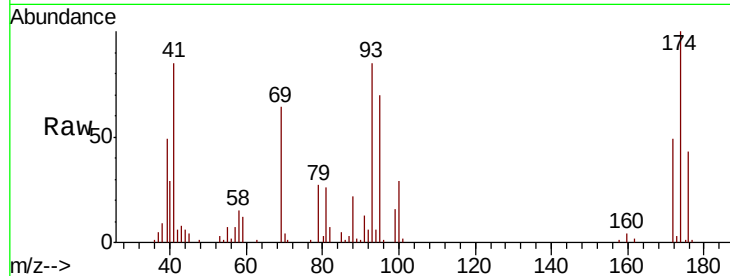
#49
1,4-Dioxane
Concen: 347.947 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

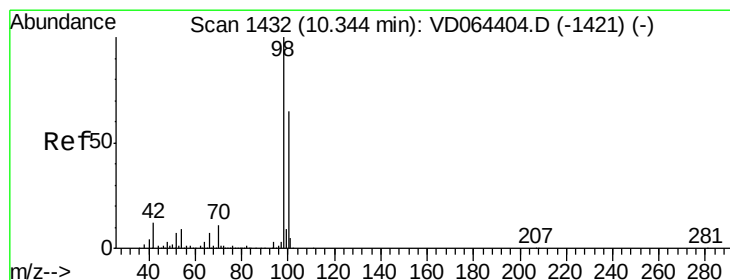
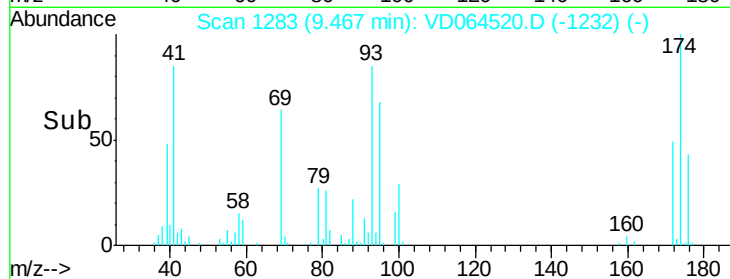
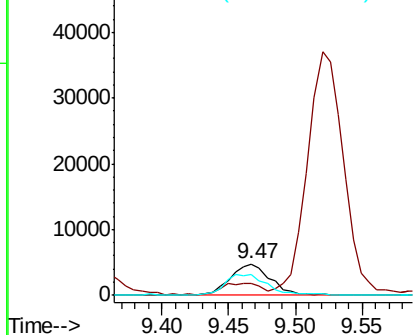
Tot Ion	Ratio	Lower	Upper
88	100		
43	39.2	26.7	40.1
58	72.2	52.3	78.5

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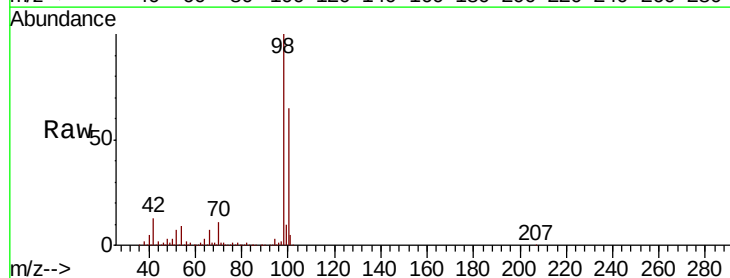


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

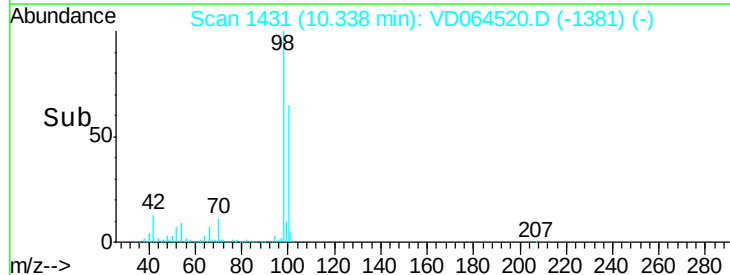
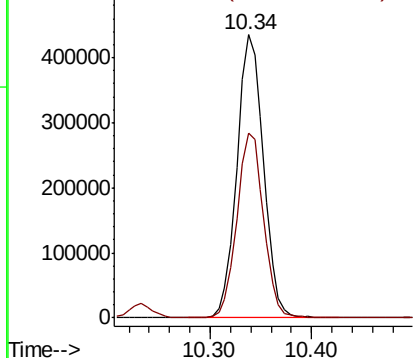


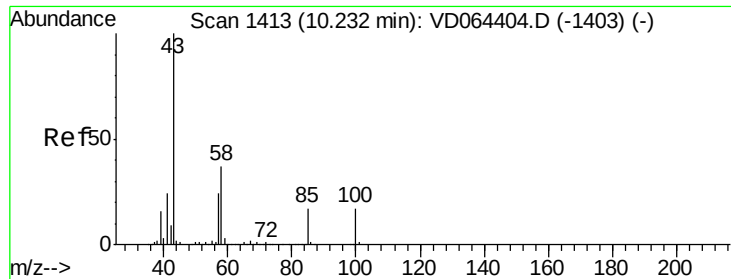
#50
Toluene-d8
Concen: 51.866 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.6	79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





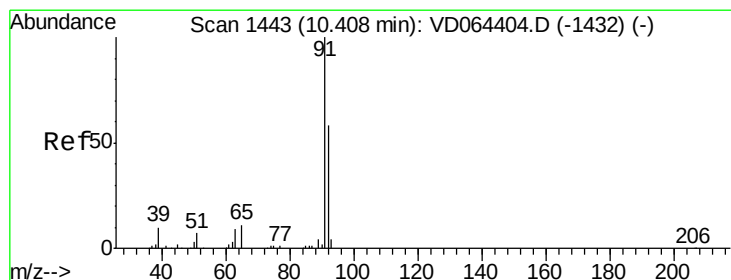
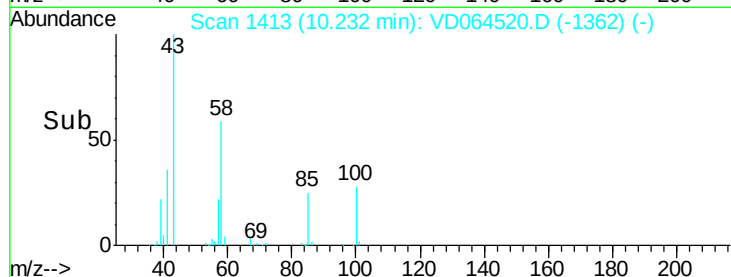
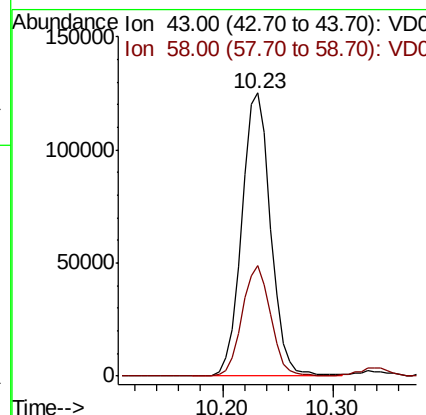
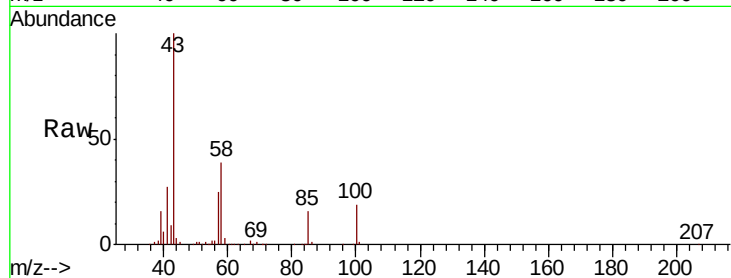
#51
4-Methyl-2-Pentanone
Concen: 91.855 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

Tot Ion	43	Resp	230998
Ion Ratio	100	Lower	Upper
43	100		
58	38.4	30.6	46.0

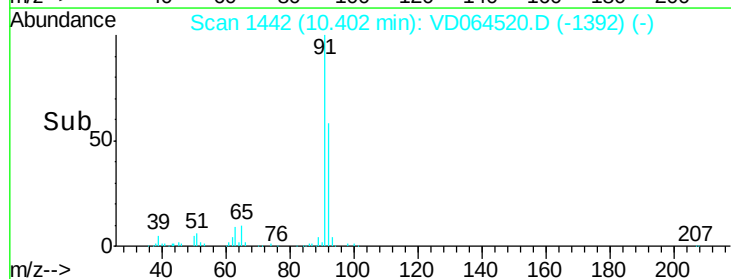
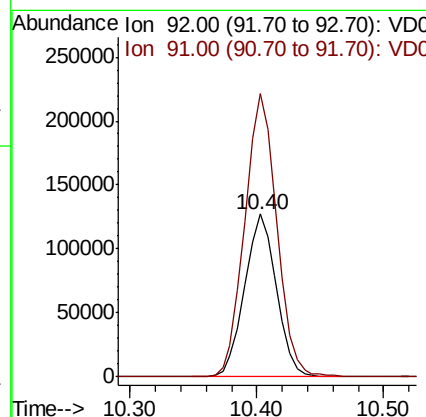
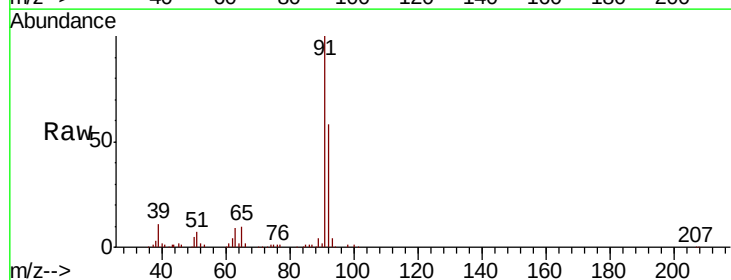
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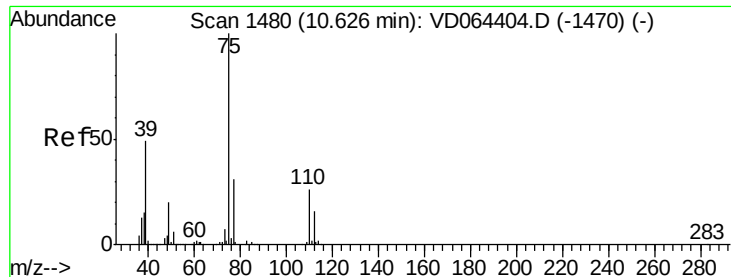
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#52
Toluene
Concen: 20.177 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Tgt Ion	92	Resp	222486
Ion Ratio	100	Lower	Upper
92	100		
91	175.0	137.8	206.6





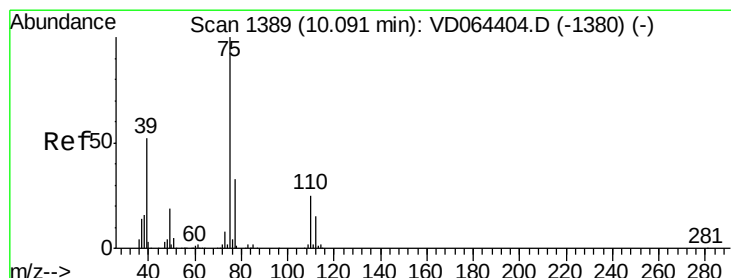
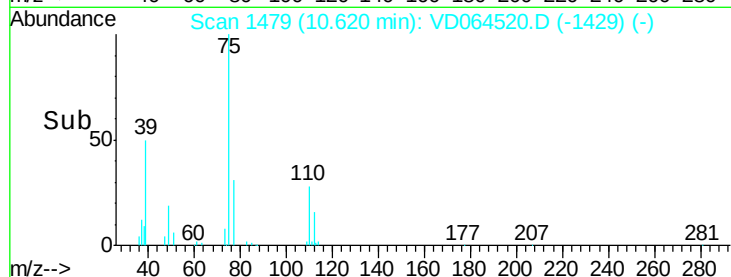
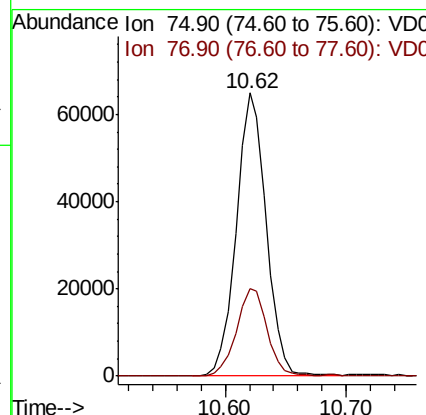
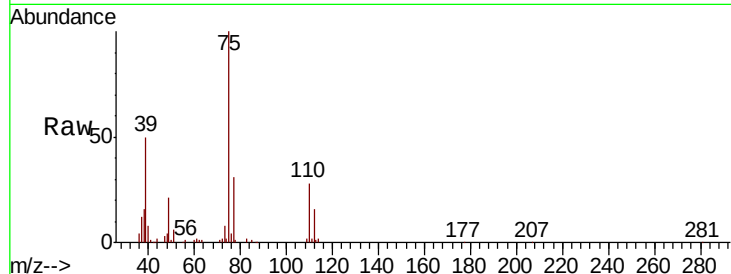
#53
 t-1,3-Dichloropropene
 Concen: 19.999 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD064520.D
 Acq: 16 Dec 2019 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1216SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.4

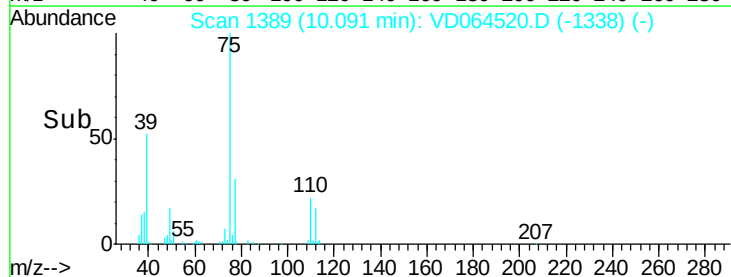
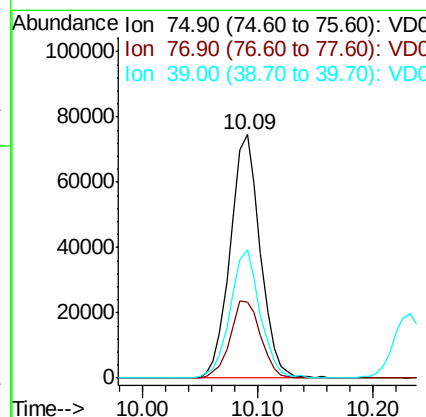
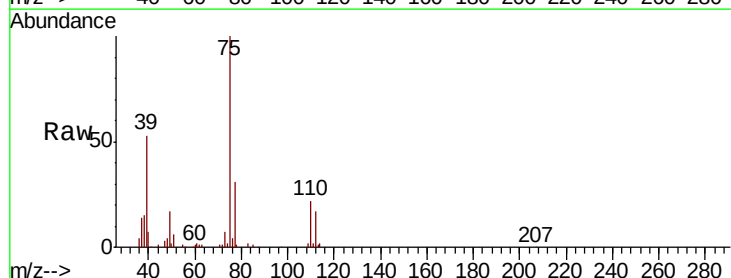
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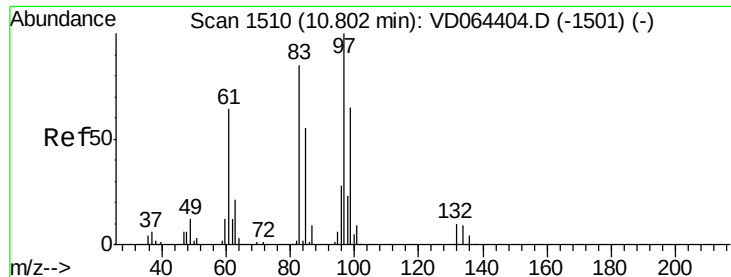
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#54
 cis-1,3-Dichloropropene
 Concen: 20.222 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064520.D
 Acq: 16 Dec 2019 12:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	26.1	39.1
39	52.3	41.5	62.3





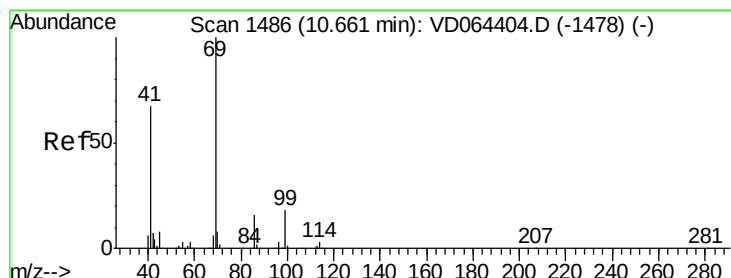
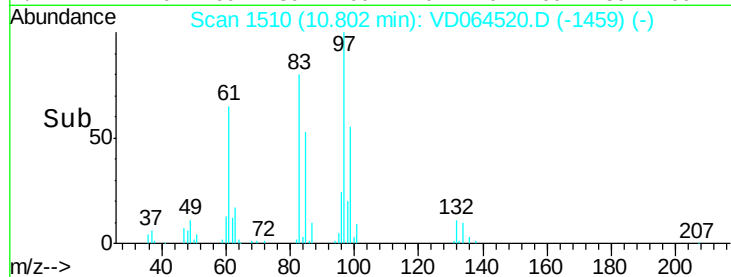
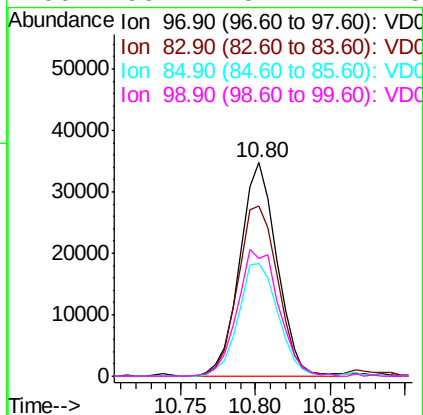
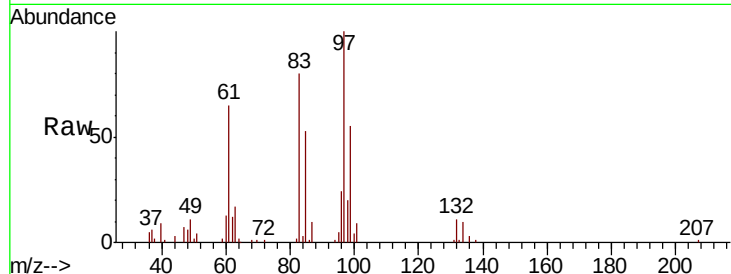
#55
 1,1,2-Trichloroethane
 Concen: 19.179 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064520.D
 Acq: 16 Dec 2019 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1216SBS01

Tot Ion:	97	Resp:	59979
Ion	Ratio	Lower	Upper
97	100		
83	80.0	67.8	101.8
85	52.6	43.7	65.5
99	55.4	51.7	77.5

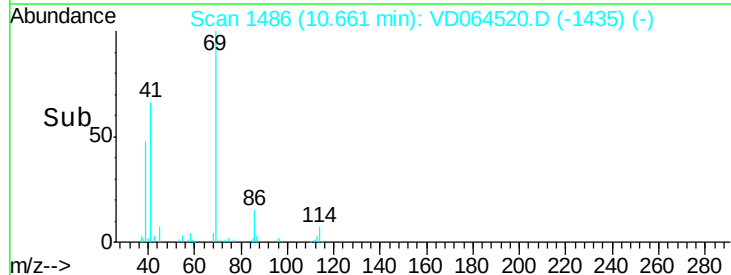
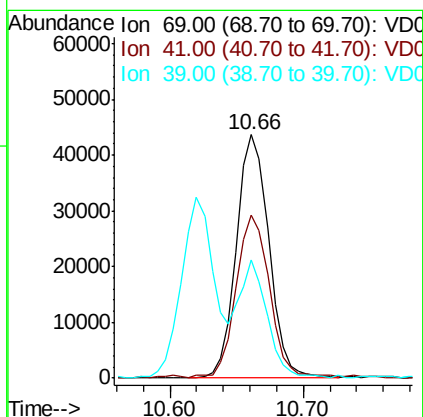
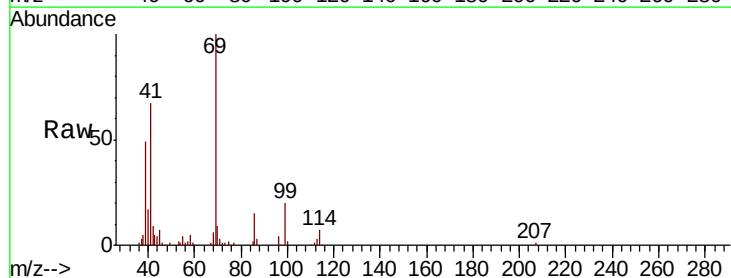
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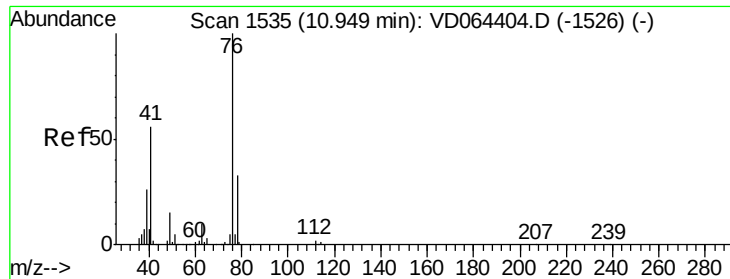
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#56
 Ethyl methacrylate
 Concen: 18.533 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064520.D
 Acq: 16 Dec 2019 12:43

Tgt Ion:	69	Resp:	73923
Ion	Ratio	Lower	Upper
69	100		
41	67.6	55.0	82.4
39	42.7	33.0	49.6





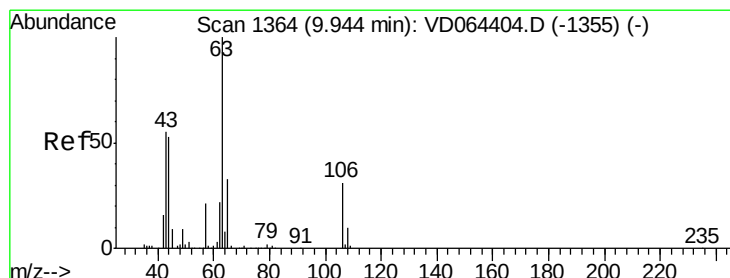
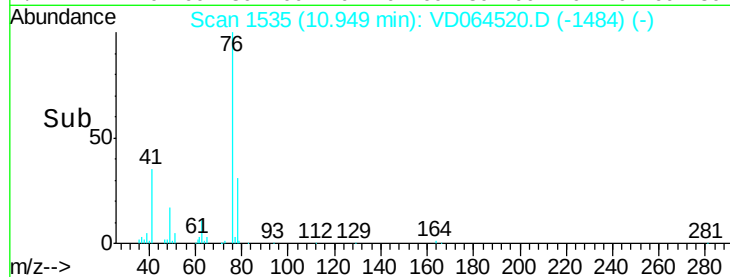
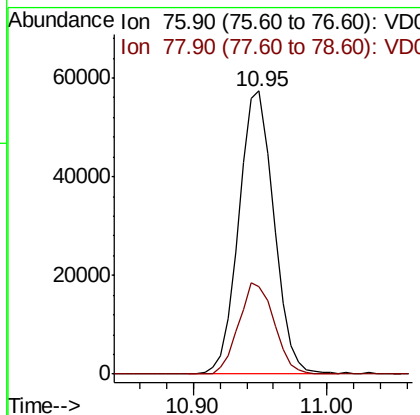
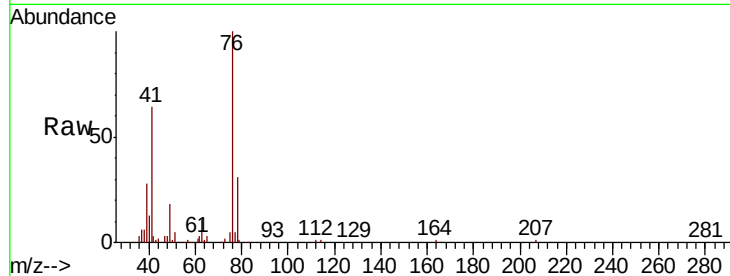
#57
 1,3-Dichloropropane
 Concen: 19.591 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064520.D
 Acq: 16 Dec 2019 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1216SBS01

Tot Ion: 76 Resp: 104292
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.0 39.0

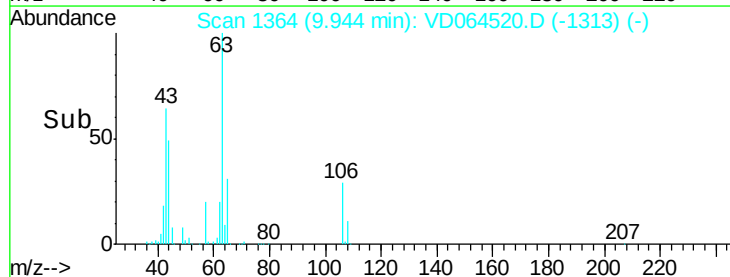
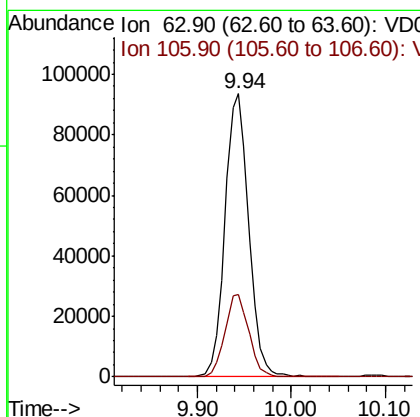
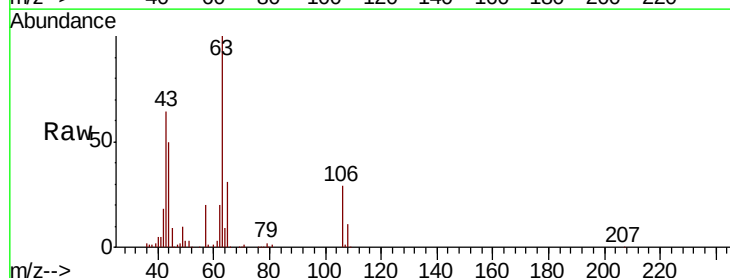
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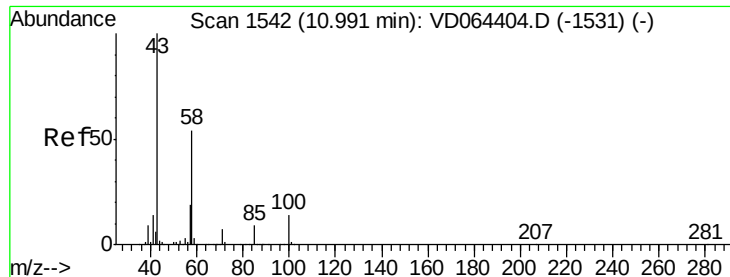
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#58
 2-Chloroethyl Vinyl ether
 Concen: 103.147 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064520.D
 Acq: 16 Dec 2019 12:43

Tgt Ion: 63 Resp: 164007
 Ion Ratio Lower Upper
 63 100
 106 29.3 24.2 36.4





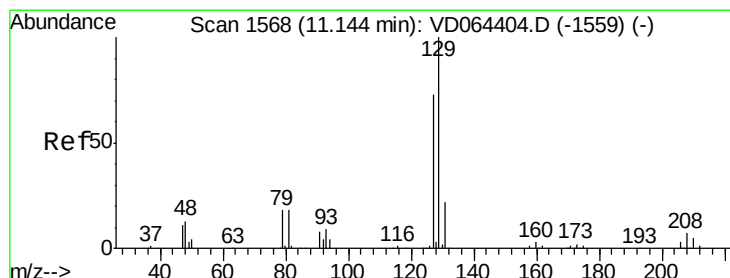
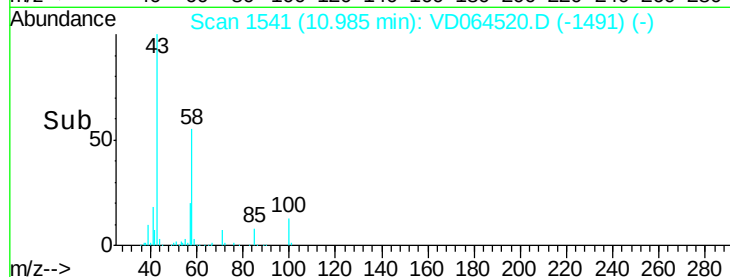
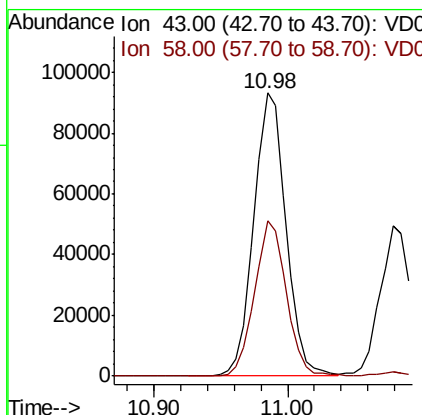
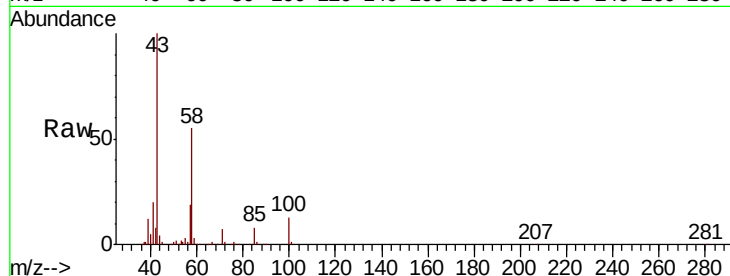
#59
2-Hexanone
Concen: 88.708 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

Tot Ion: 43 Resp: 154795
Ion Ratio Lower Upper
43 100
58 54.2 26.3 78.8

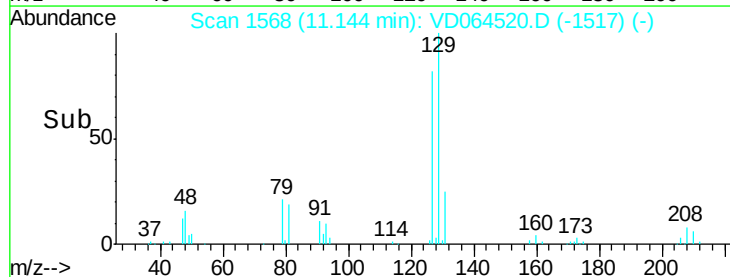
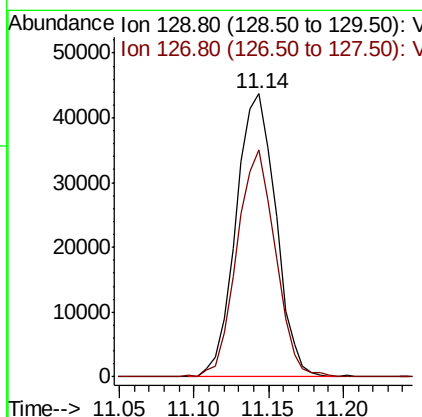
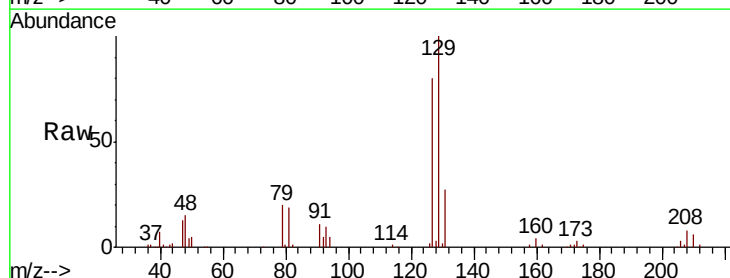
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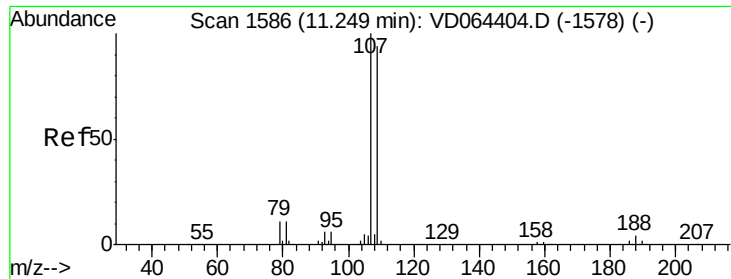
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#60
Dibromochloromethane
Concen: 19.118 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Tgt Ion: 129 Resp: 81062
Ion Ratio Lower Upper
129 100
127 77.6 38.1 114.3





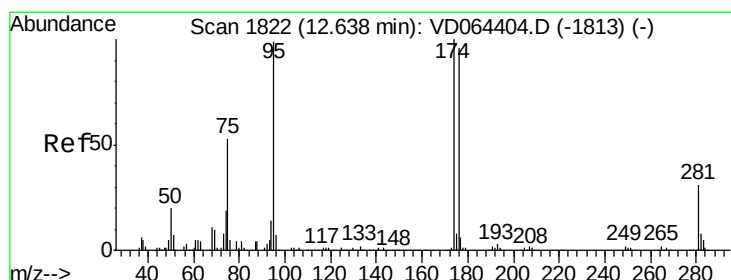
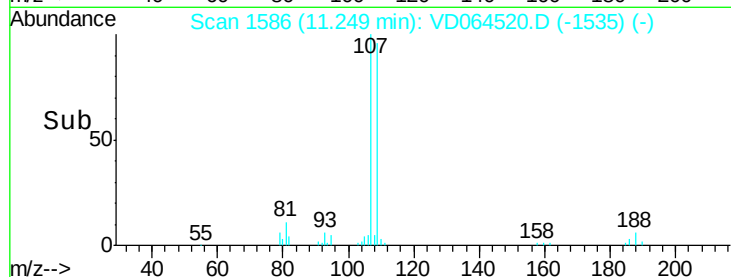
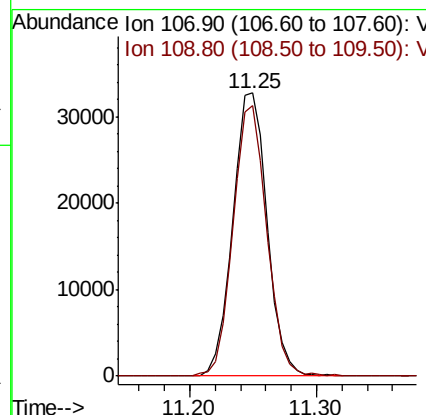
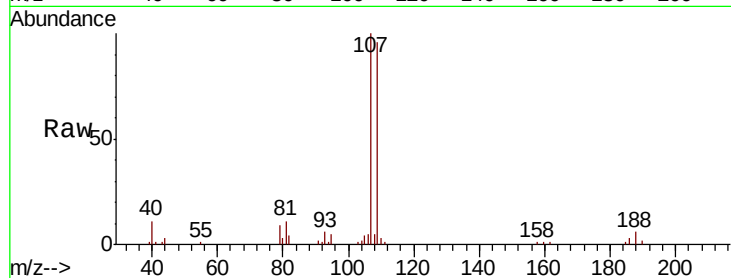
#61
 1,2-Dibromoethane
 Concen: 19.539 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064520.D
 Acq: 16 Dec 2019 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1216SBS01

Tot Ion: 107 Resp: 61009
 Ion Ratio Lower Upper
 107 100
 109 94.0 76.2 114.2

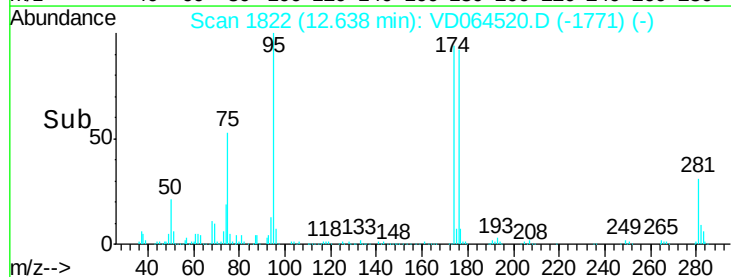
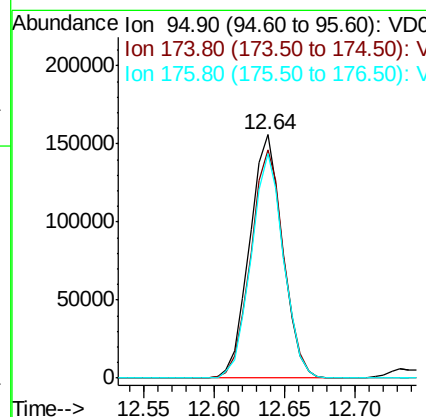
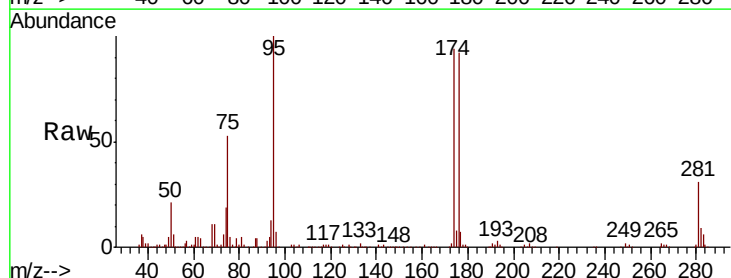
Manual Integrations
 APPROVED

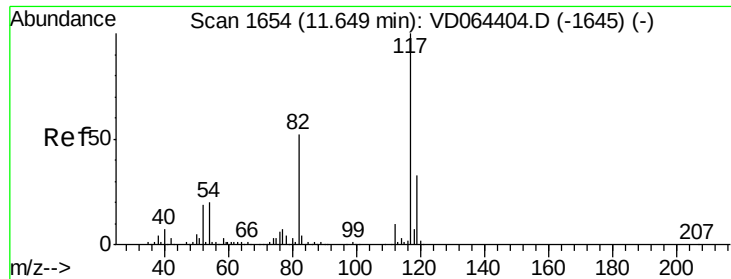
apatel
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#62
 4-Bromofluorobenzene
 Concen: 52.116 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064520.D
 Acq: 16 Dec 2019 12:43

Tgt Ion: 95 Resp: 256019
 Ion Ratio Lower Upper
 95 100
 174 93.9 0.0 197.2
 176 90.5 0.0 189.6





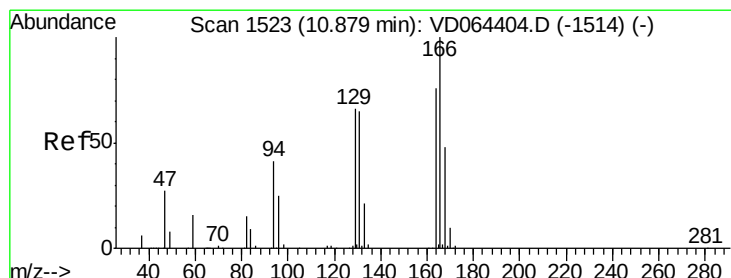
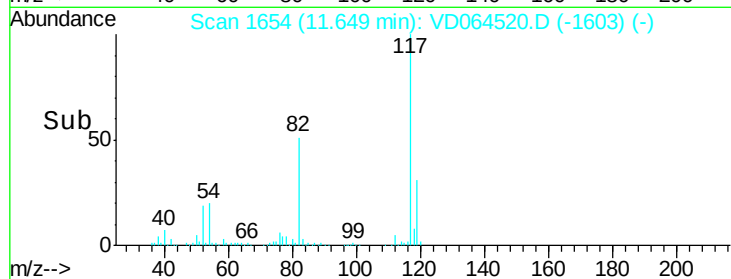
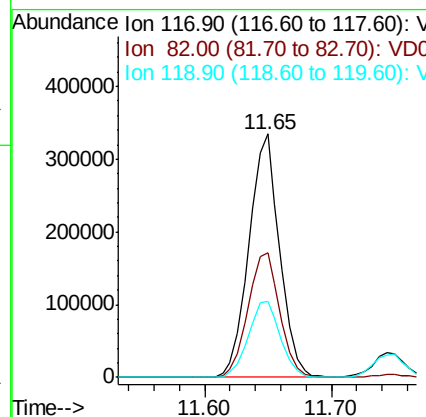
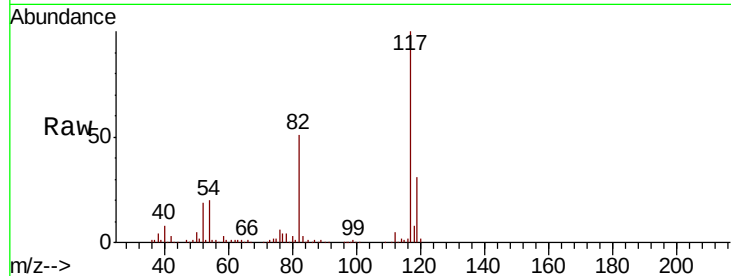
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	561606		
82	51.2		41.4	62.2
119	31.3		26.2	39.2

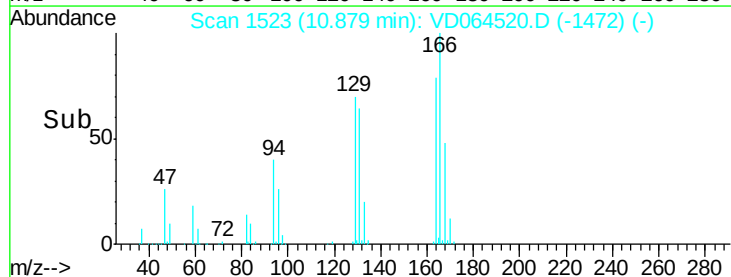
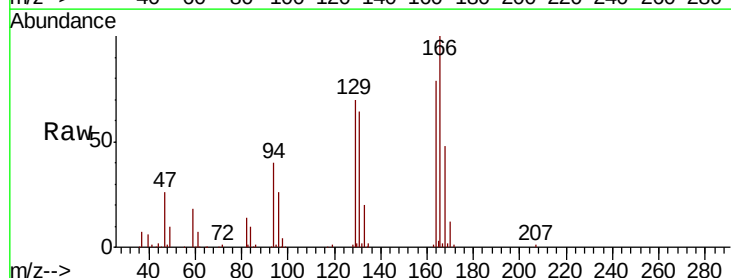
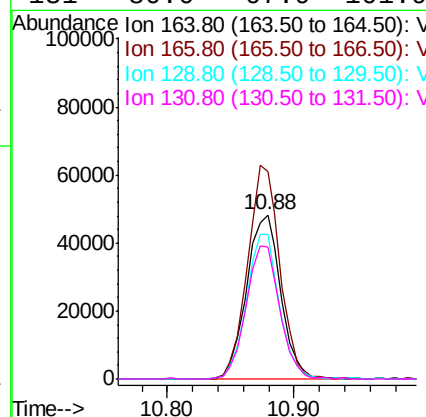
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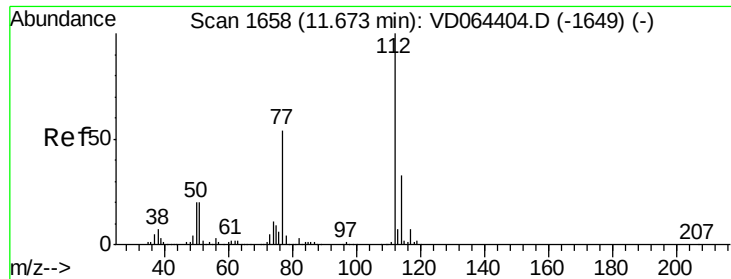
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#64
Tetrachloroethene
Concen: 21.085 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	90299		
166	126.0		104.8	157.2
129	88.0		68.7	103.1
131	80.0		67.9	101.9





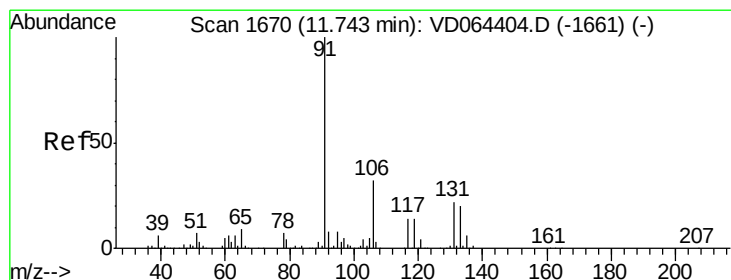
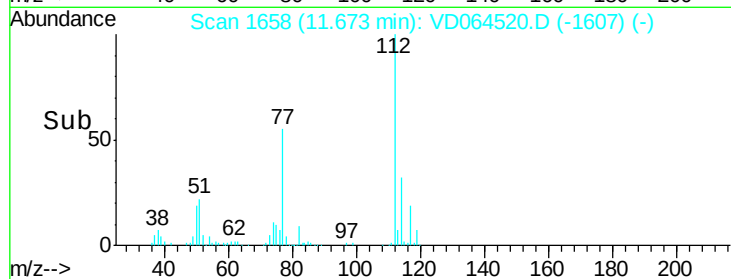
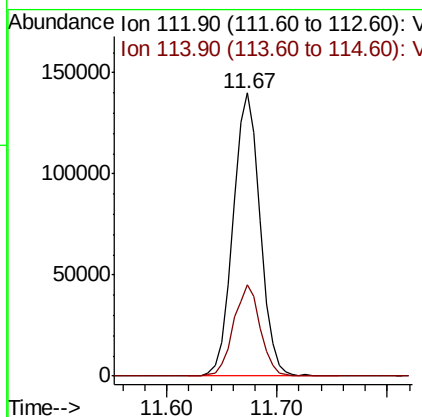
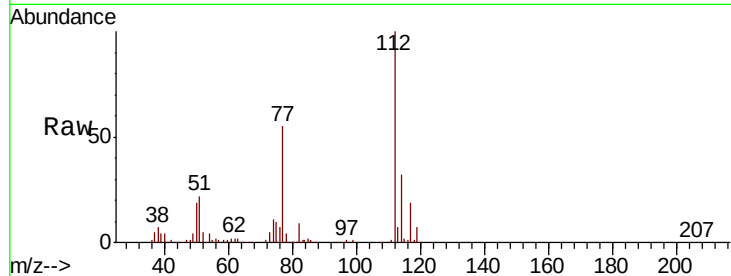
#65
Chlorobenzene
Concen: 20.569 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

Tot Ion:112 Resp: 240934
Ion Ratio Lower Upper
112 100
114 32.4 26.5 39.7

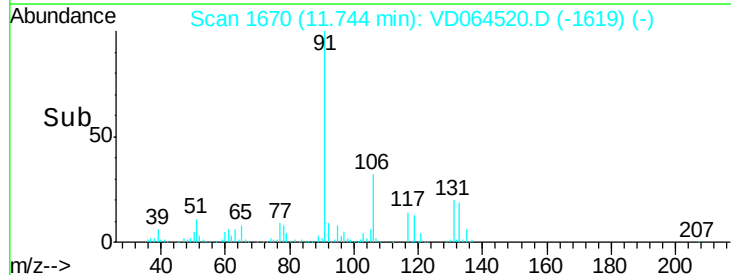
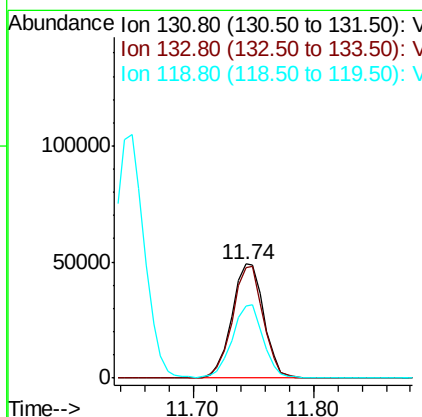
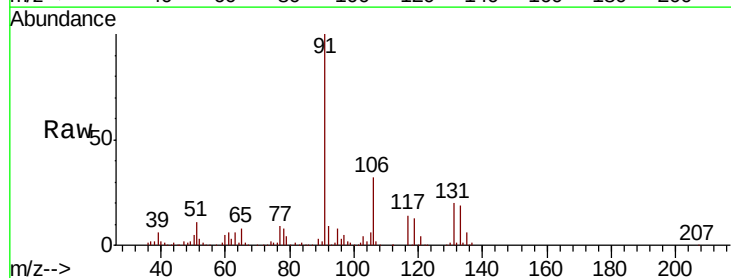
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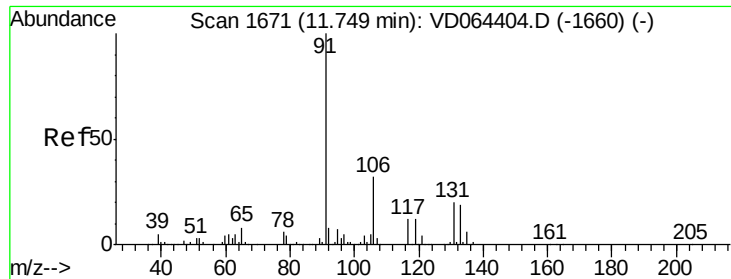
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.911 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Tgt Ion:131 Resp: 90672
Ion Ratio Lower Upper
131 100
133 94.9 48.3 144.9
119 62.3 31.9 95.9





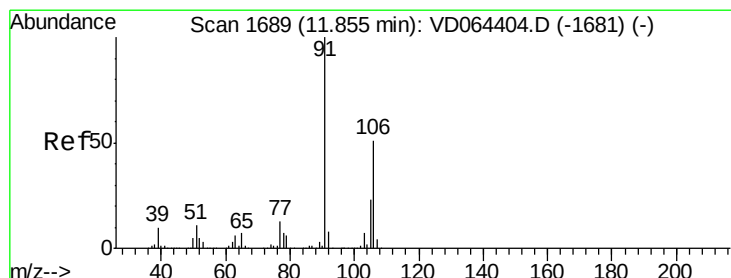
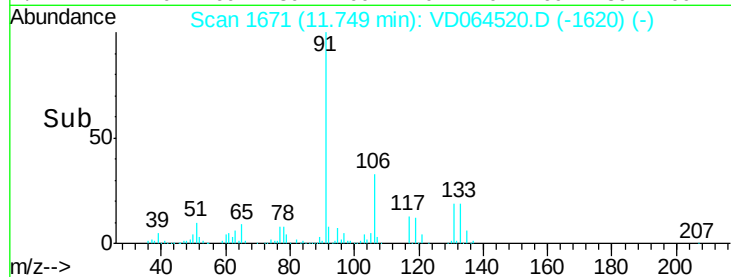
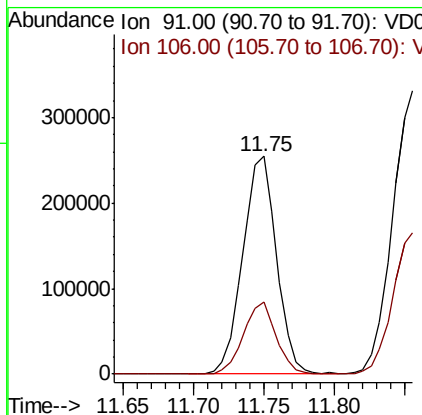
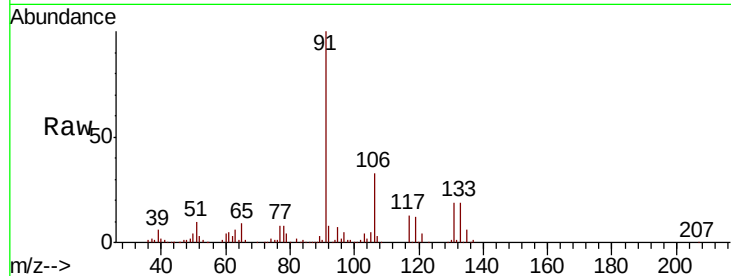
#67
Ethyl Benzene
Concen: 20.436 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

Tot Ion: 91 Resp: 425892
Ion Ratio Lower Upper
91 100
106 33.1 25.8 38.8

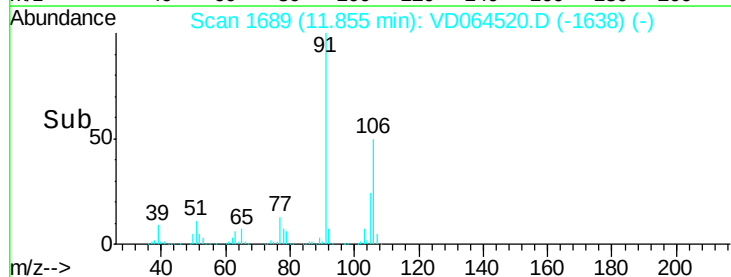
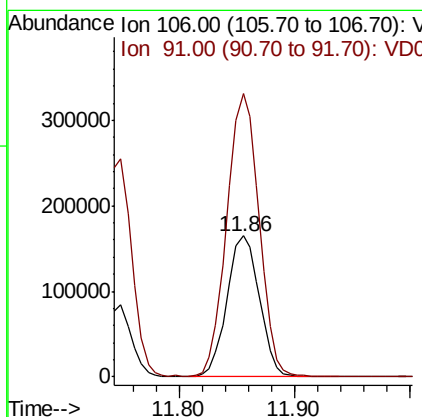
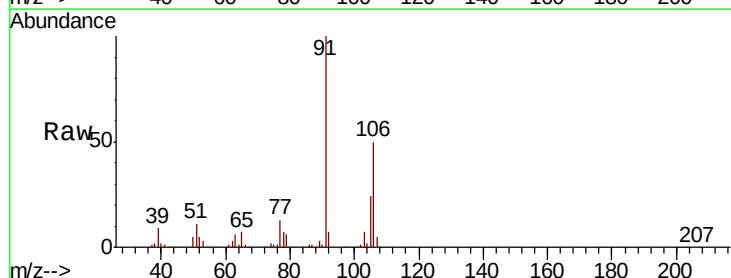
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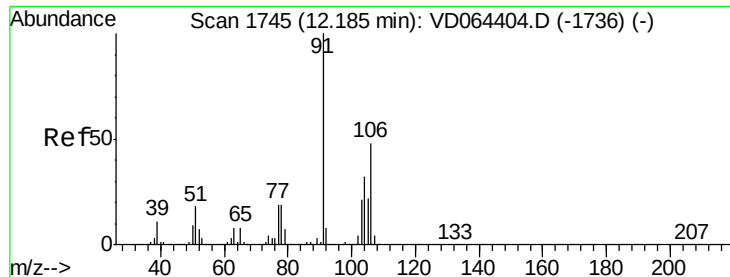
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#68
m/p-Xylenes
Concen: 40.445 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Tgt Ion: 106 Resp: 321385
Ion Ratio Lower Upper
106 100
91 200.2 157.4 236.2





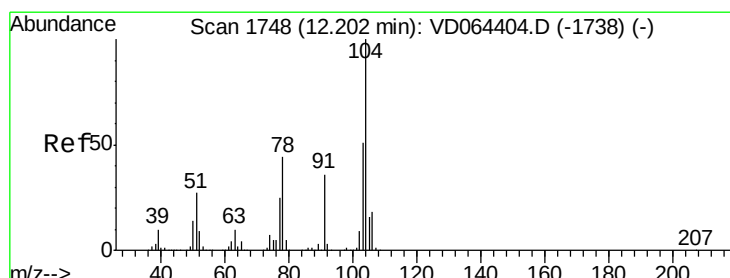
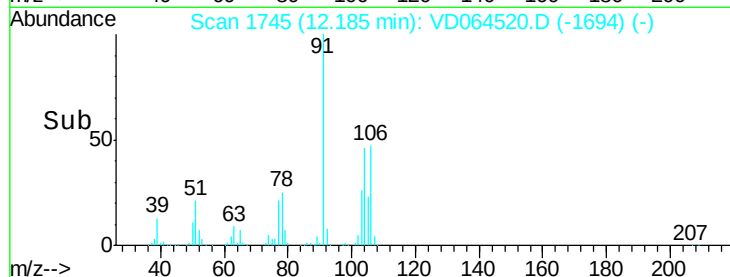
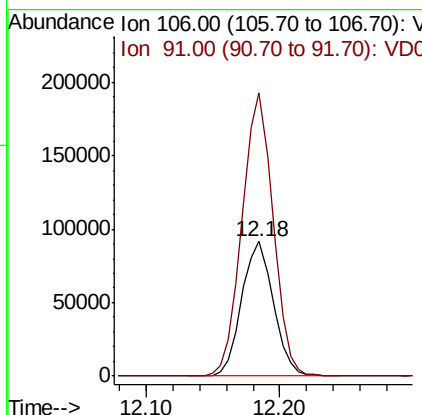
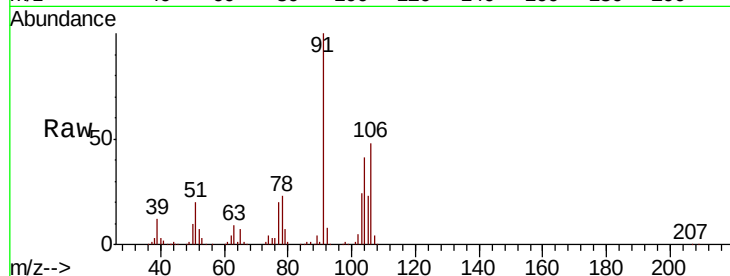
#69
o-Xylene
Concen: 20.443 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

Tot Ion:106 Resp: 150028
Ion Ratio Lower Upper
106 100
91 206.0 103.8 311.4

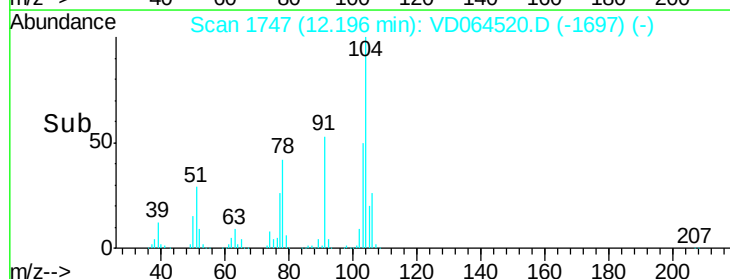
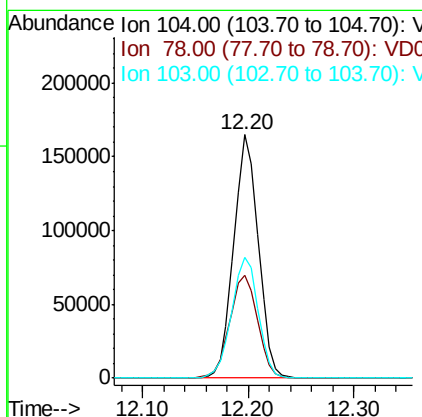
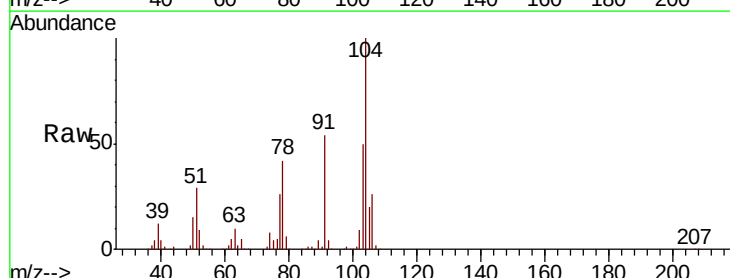
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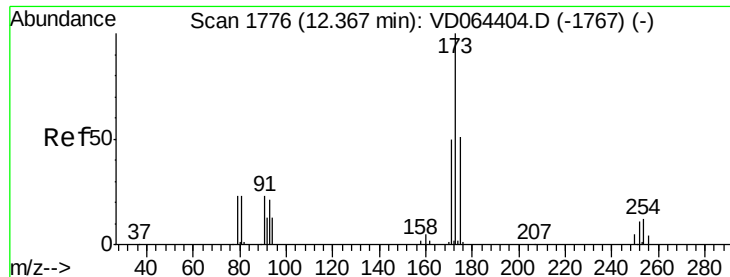
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#70
Styrene
Concen: 20.817 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Tgt Ion:104 Resp: 265484
Ion Ratio Lower Upper
104 100
78 47.5 38.8 58.2
103 53.5 44.2 66.4





#71

Bromoform

Concen: 19.230 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA_D

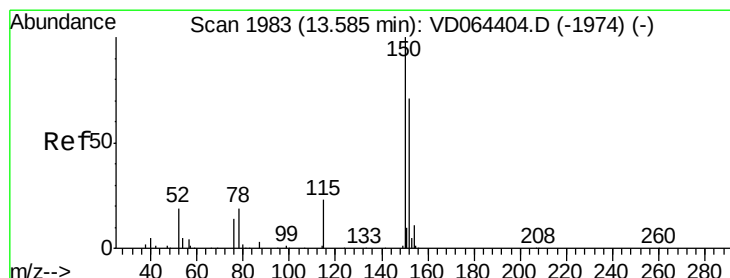
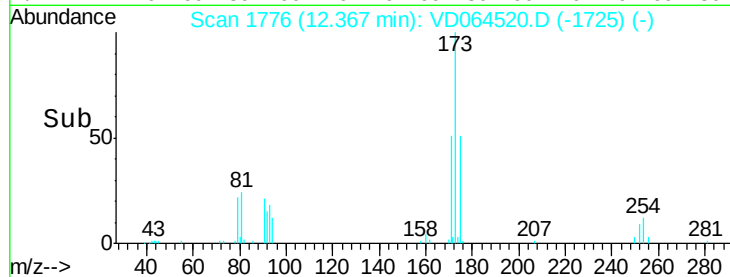
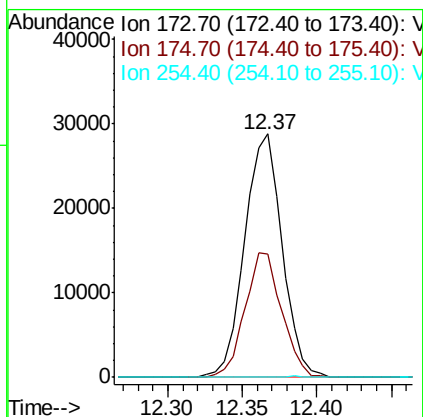
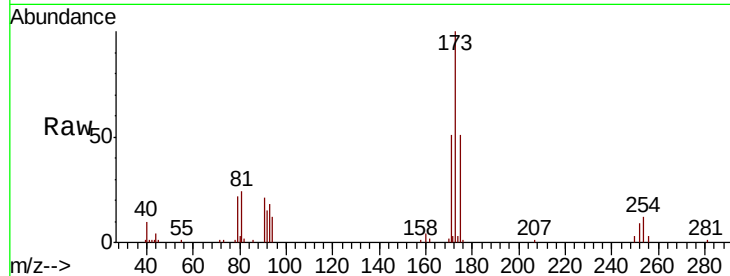
ClientSampleId :

VD1216SBS01

Tot Ion:	173	Resp:	49888
Ion Ratio	Lower	Upper	
173	100		
175	50.5	25.3	75.8
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

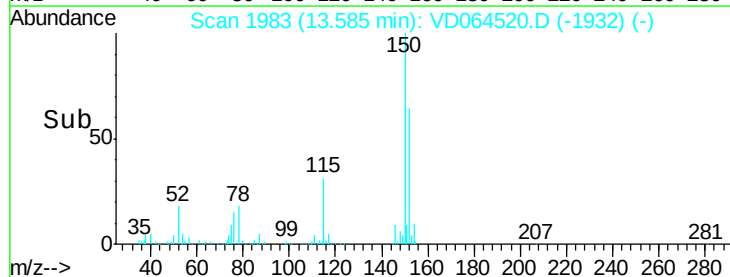
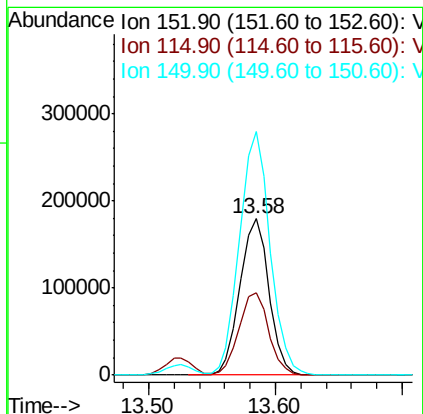
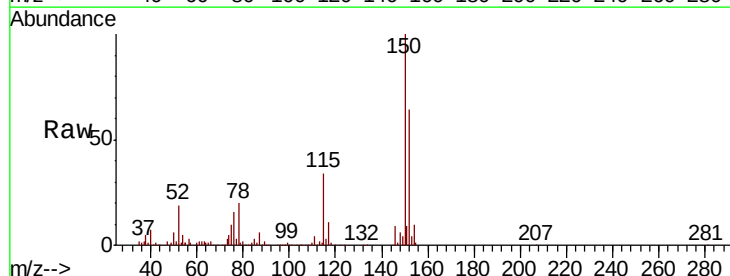
RT: 13.58 min Scan# 1983

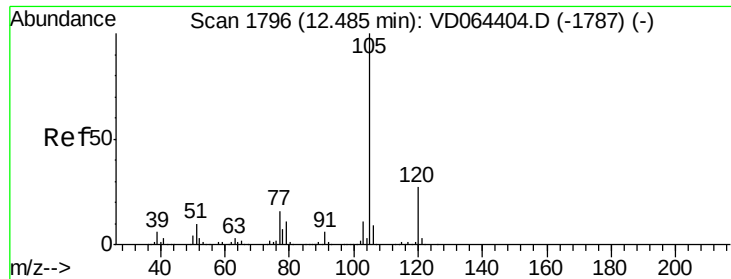
Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Tgt Ion:	152	Resp:	286170
Ion Ratio	Lower	Upper	
152	100		
115	53.9	26.7	80.1
150	163.2	0.0	347.2





#73

Isopropylbenzene

Concen: 19.817 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBS01

Tot Ion:105 Resp: 407873

Ion Ratio Lower Upper

105 100

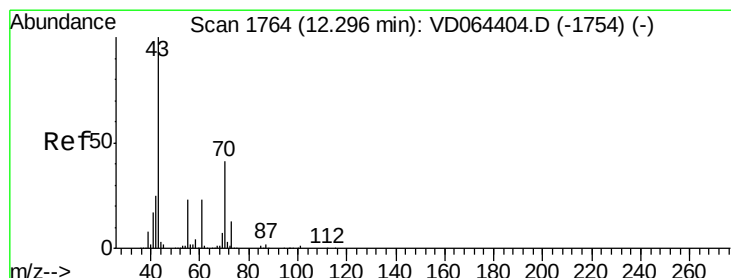
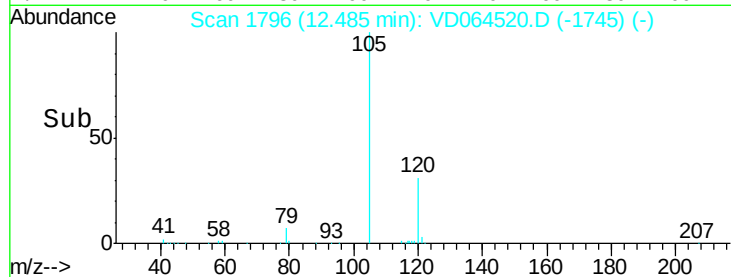
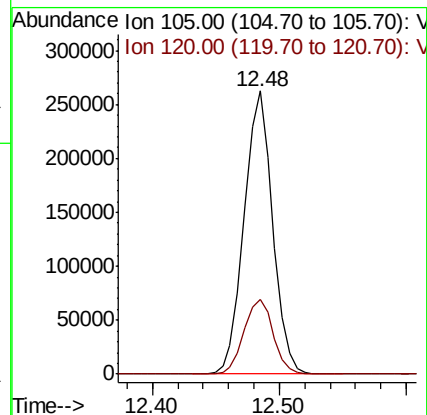
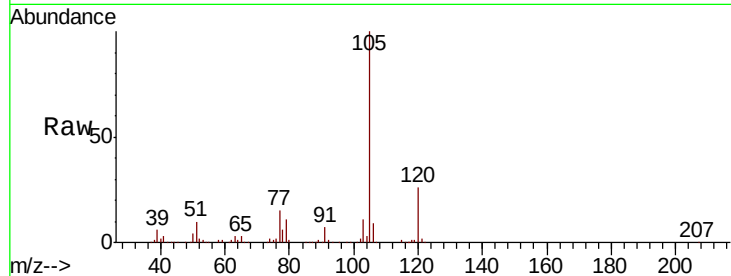
120 27.2 13.4 40.2

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#74

N-ethyl acetate

Concen: 18.138 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Tgt Ion: 43 Resp: 84726

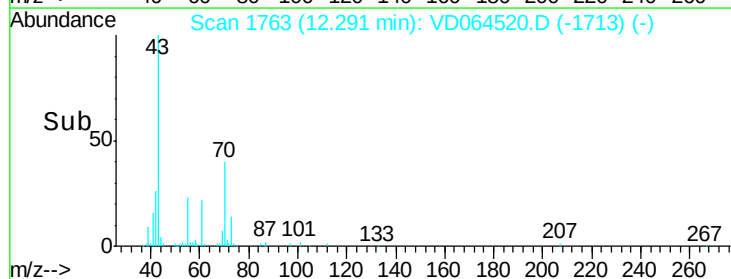
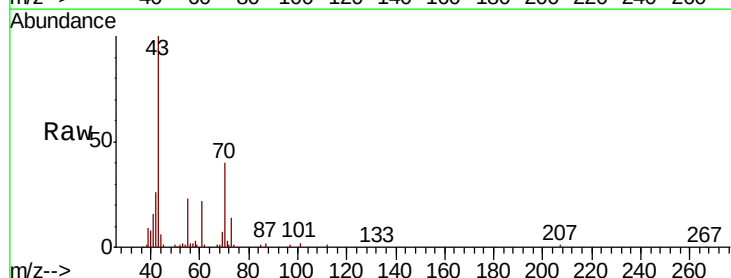
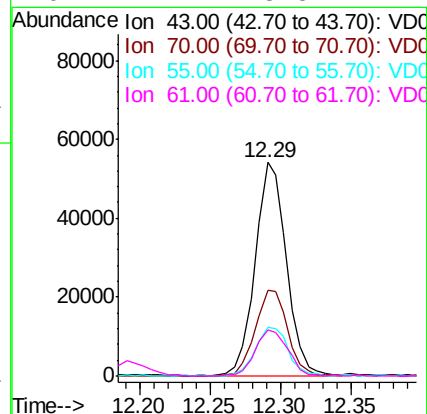
Ion Ratio Lower Upper

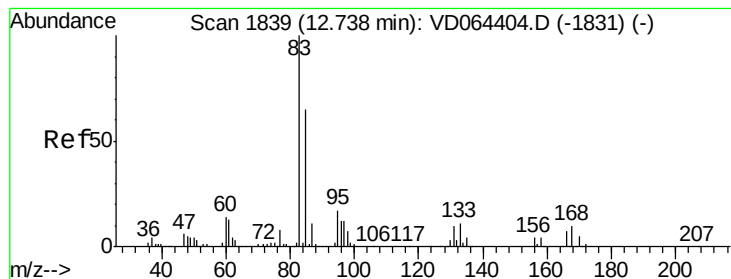
43 100

70 41.7 33.4 50.2

55 23.8 18.9 28.3

61 22.7 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 18.285 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA_D

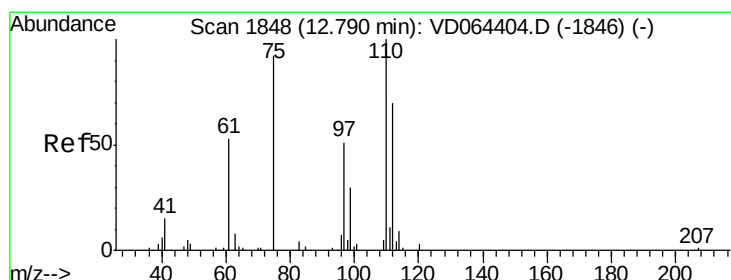
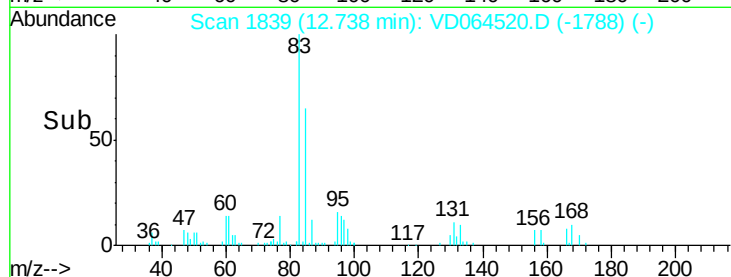
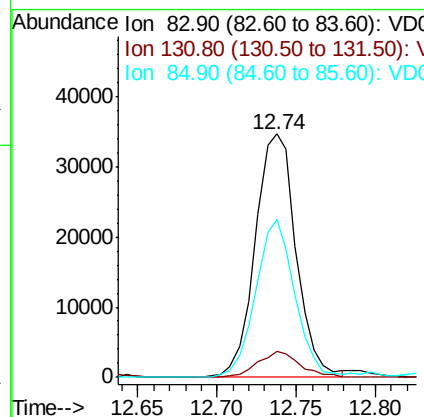
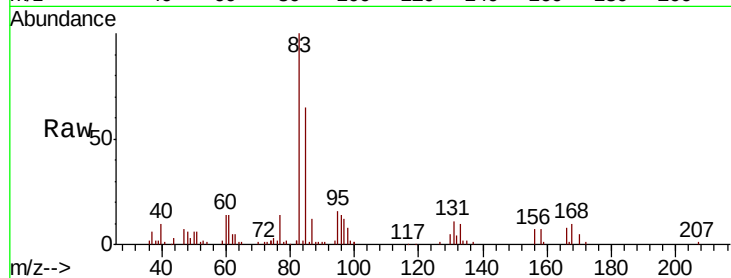
ClientSampleId :

VD1216SBS01

Tot Ion:	83	Resp:	62234
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.7	17.0
85	61.9	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 20.789 ug/l m

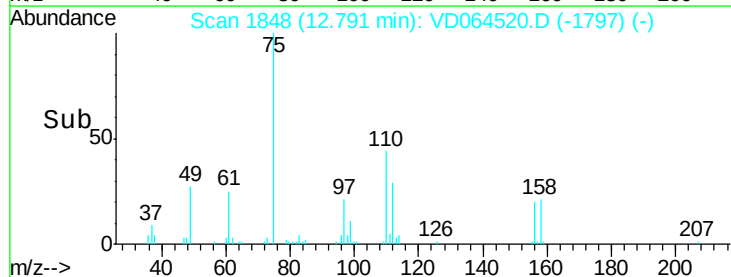
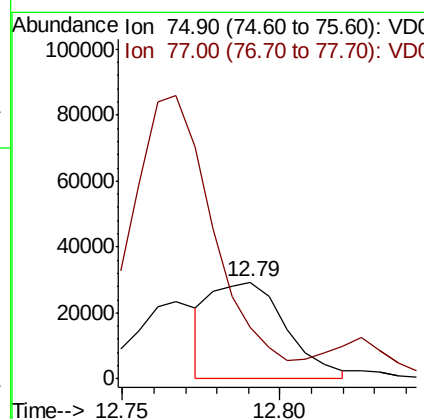
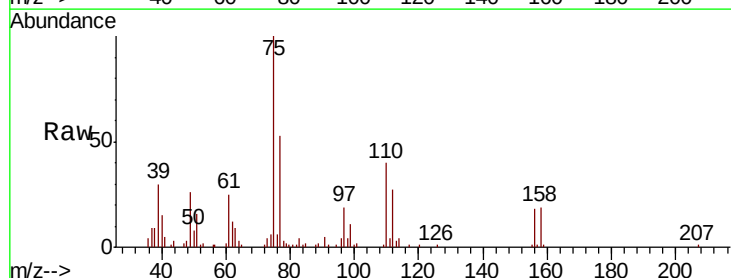
RT: 12.79 min Scan# 1848

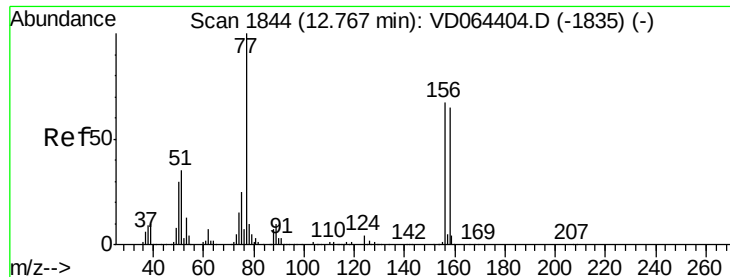
Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Tgt Ion:	75	Resp:	48924
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





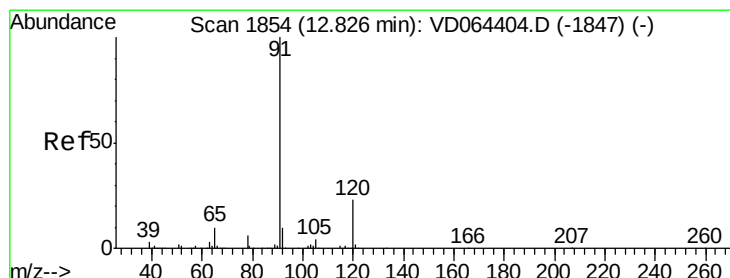
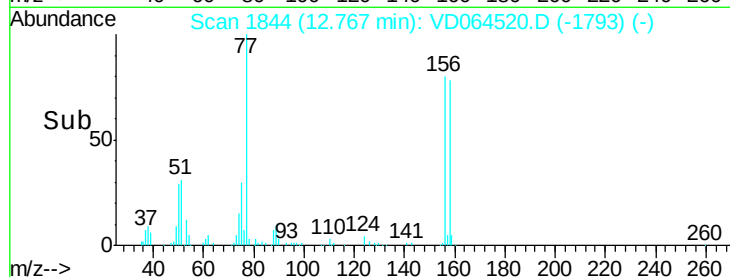
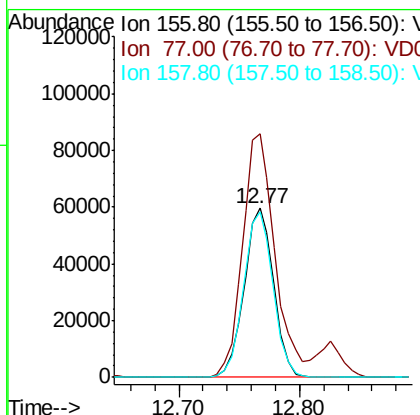
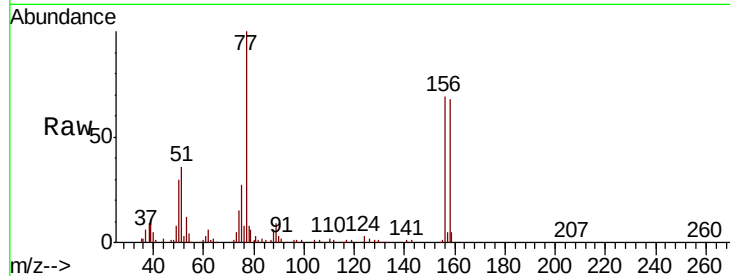
#77
Bromobenzene
Concen: 19.843 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	157.7	80.0	240.2
158	98.1	48.9	146.6

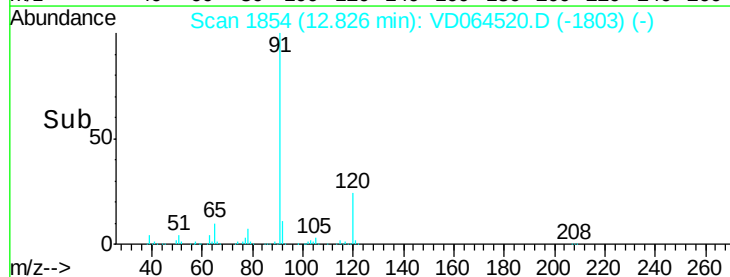
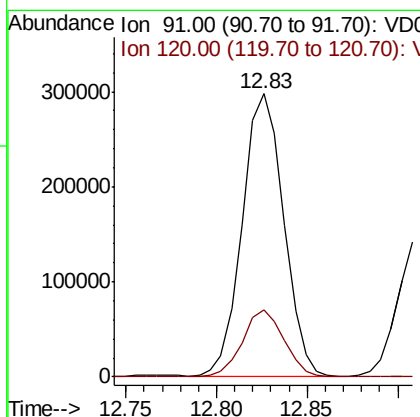
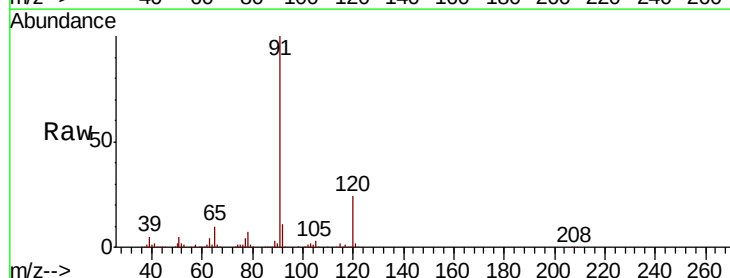
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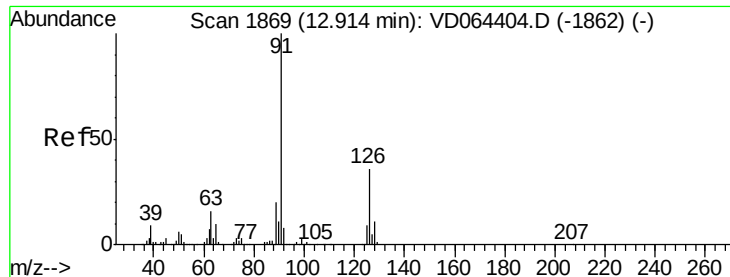
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#78
n-propylbenzene
Concen: 19.923 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.9





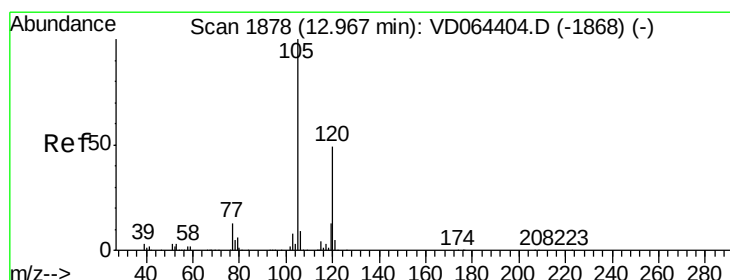
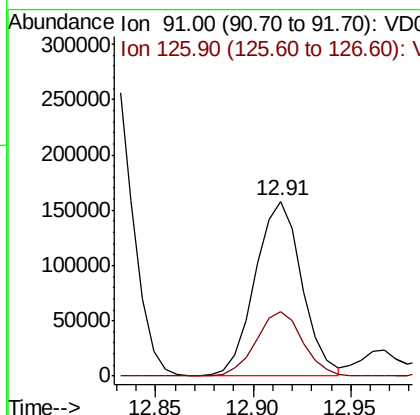
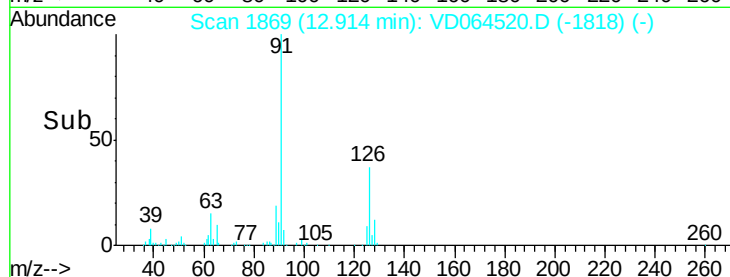
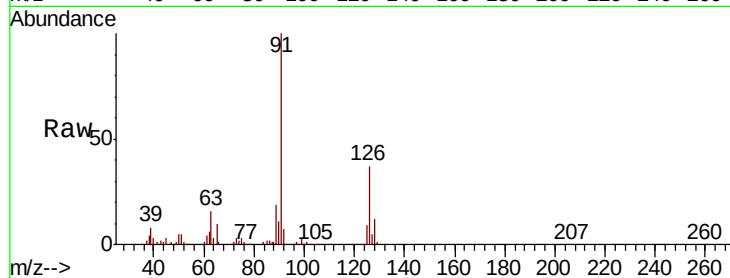
#79
 2-Chlorotoluene
 Concen: 19.985 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064520.D
 Acq: 16 Dec 2019 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1216SBS01

Tot Ion: 91 Resp: 261146
 Ion Ratio Lower Upper
 91 100
 126 37.0 18.0 54.0

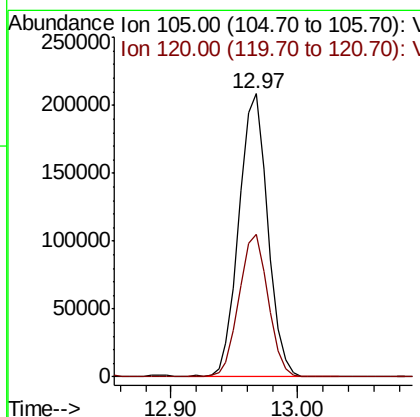
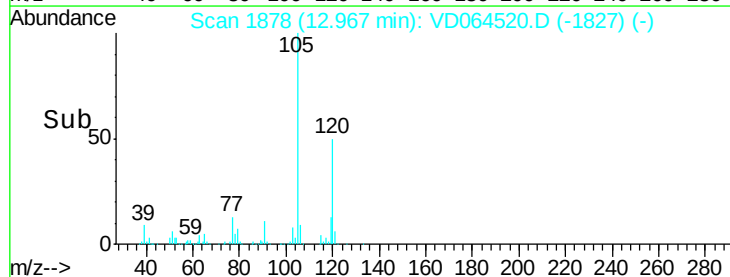
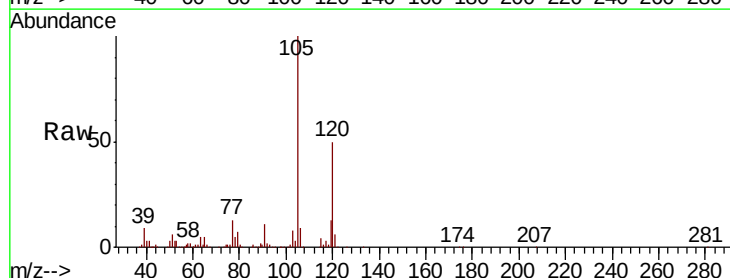
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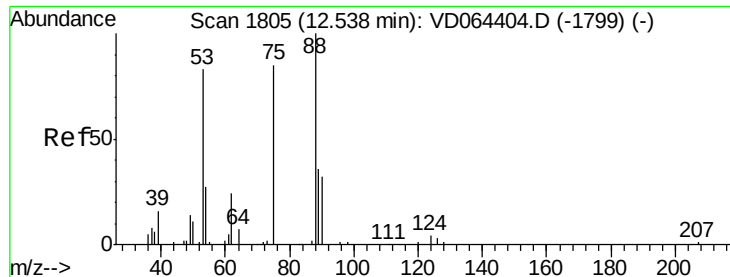
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.559 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064520.D
 Acq: 16 Dec 2019 12:43

Tgt Ion: 105 Resp: 328972
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.1 75.3





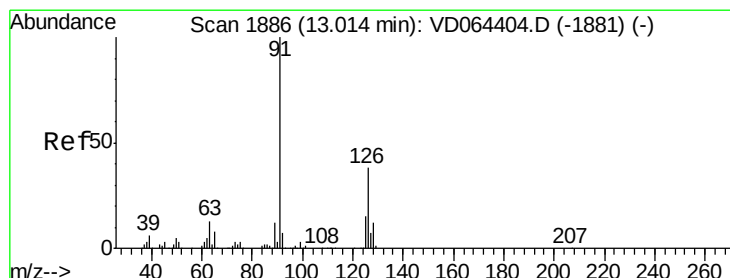
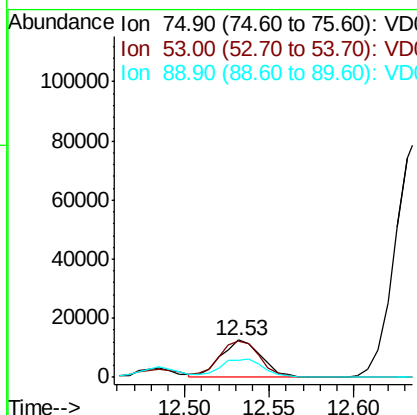
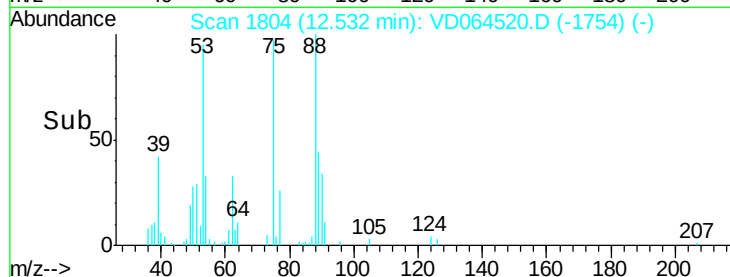
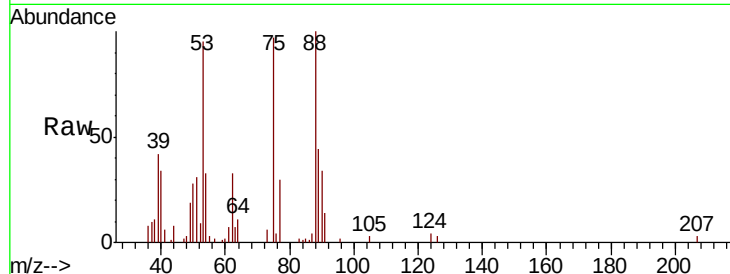
#81
trans-1,4-Dichloro-2-butene
Concen: 19.628 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.2	81.0	121.6
89	50.0	38.5	57.7

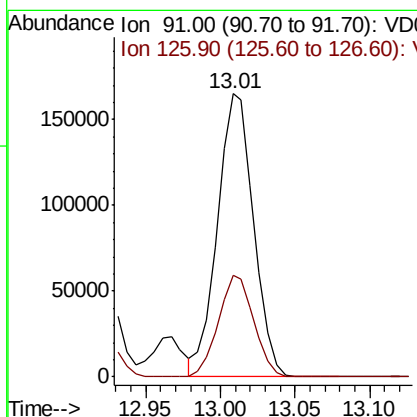
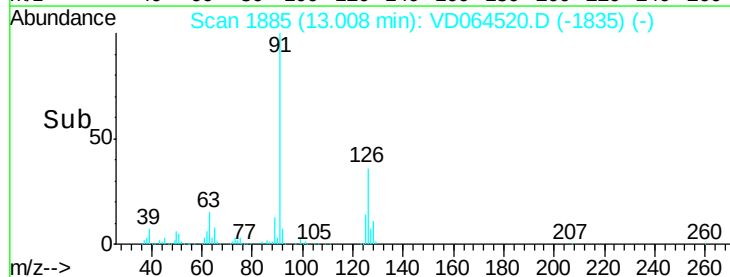
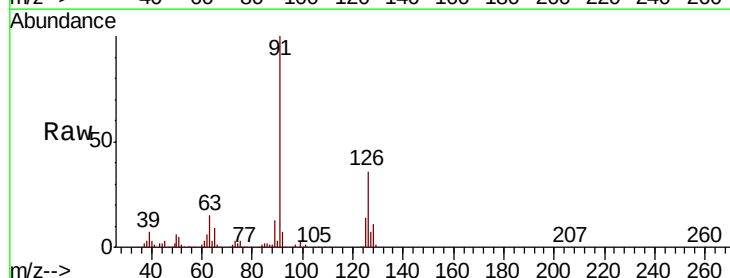
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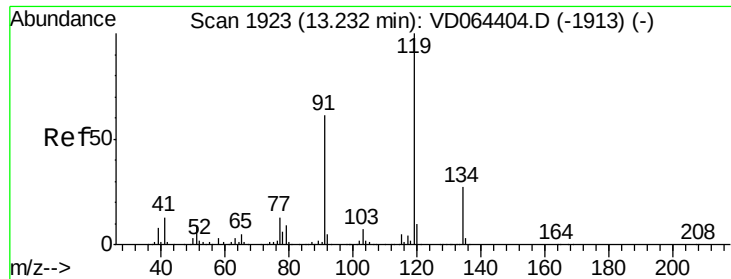
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#82
4-Chlorotoluene
Concen: 20.152 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	18.2	54.6





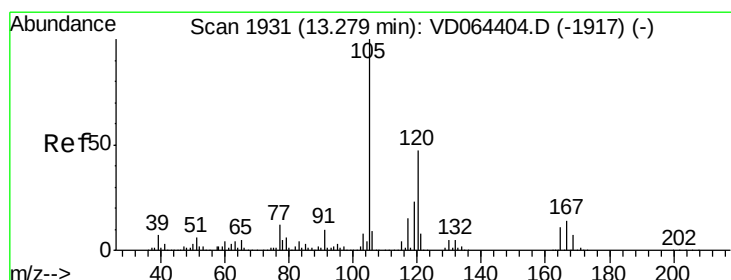
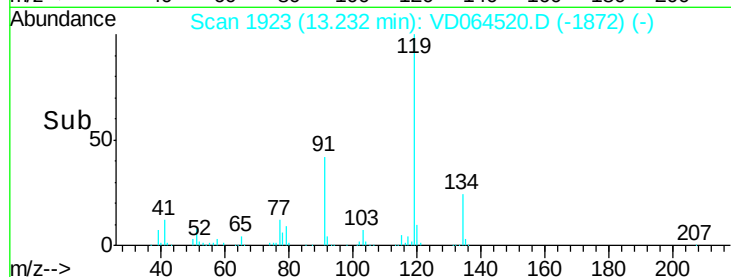
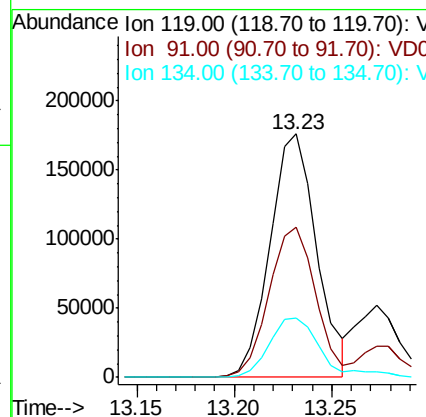
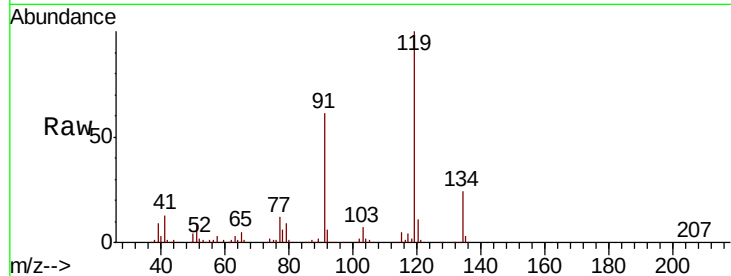
#83
 tert-Butylbenzene
 Concen: 19.938 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064520.D
 Acq: 16 Dec 2019 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1216SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	291535		
91	61.5		31.2	93.6
134	27.1		13.9	41.7

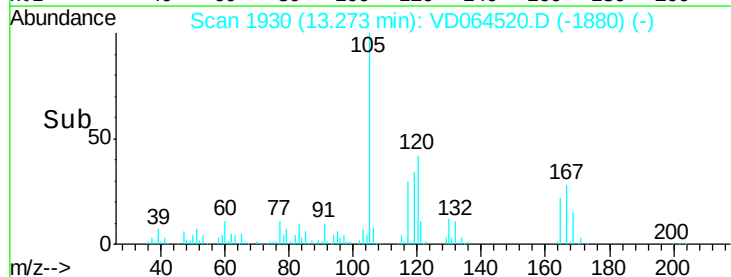
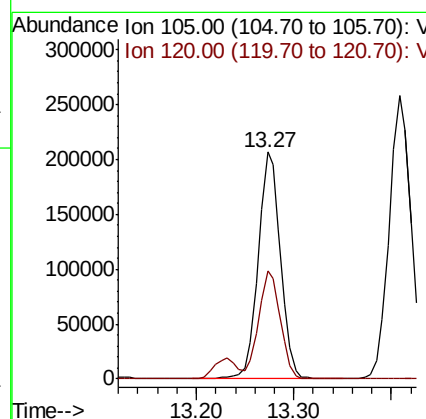
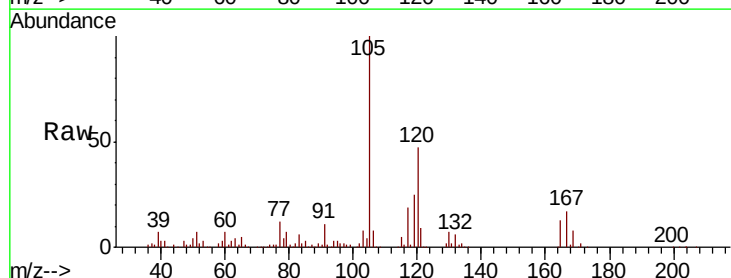
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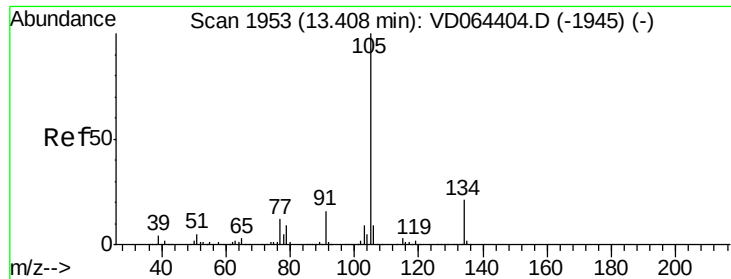
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.664 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD064520.D
 Acq: 16 Dec 2019 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	332557		
120	46.0		23.6	70.8





#85

sec-Butylbenzene

Concen: 19.969 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBS01

Tot Ion:105 Resp: 400759

Ion Ratio Lower Upper

105 100

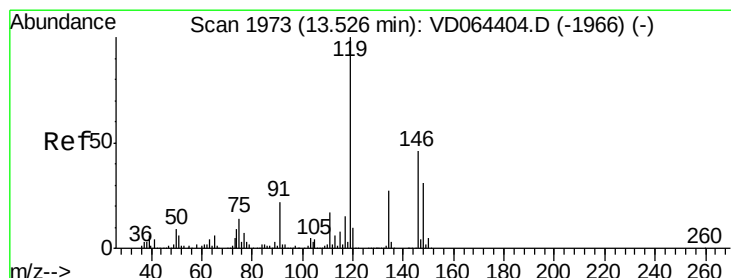
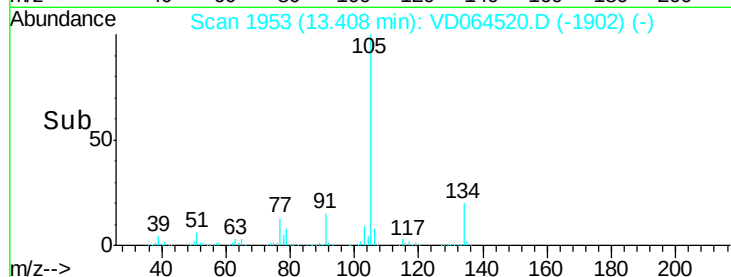
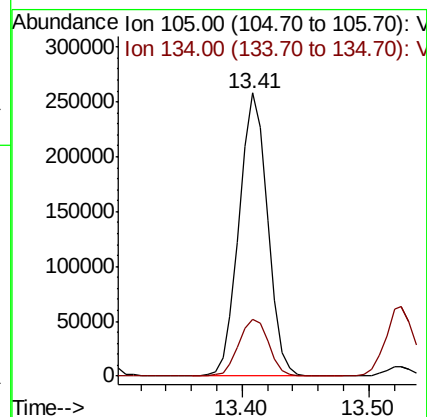
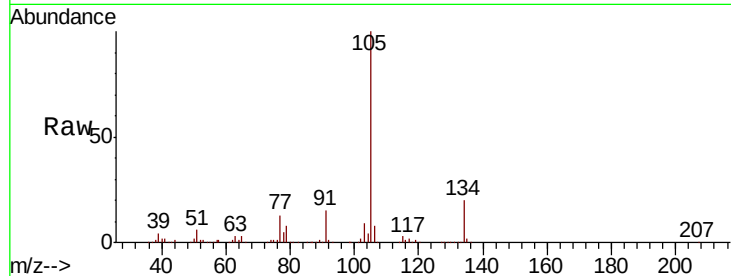
134 21.0 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.544 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

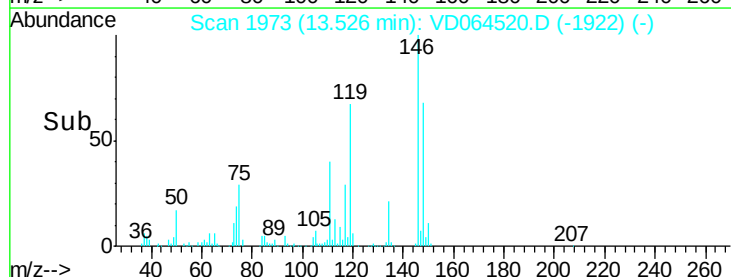
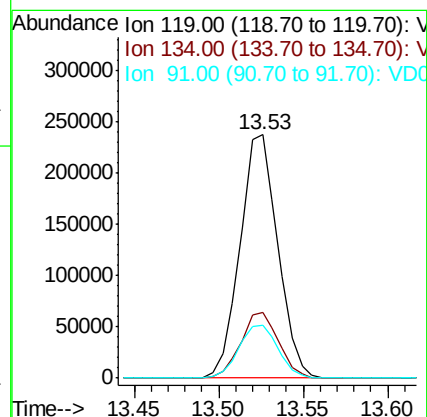
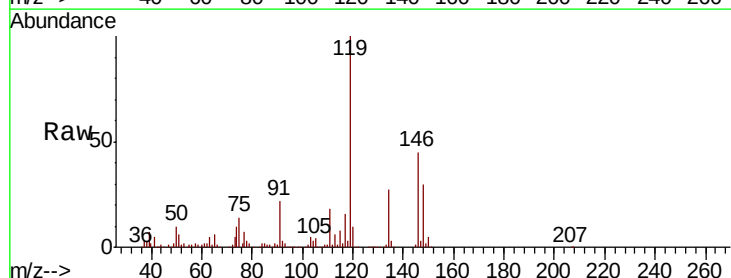
Tgt Ion:119 Resp: 370297

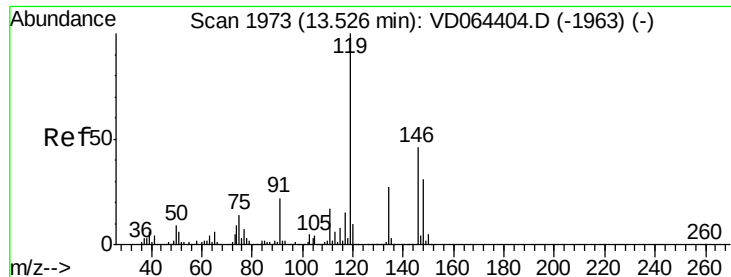
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 22.4 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 19.221 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA_D

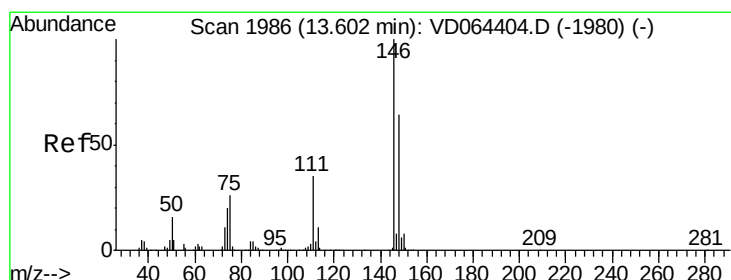
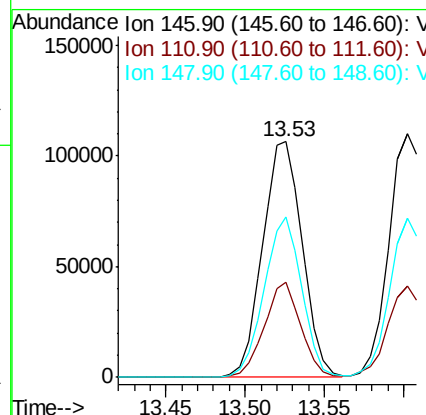
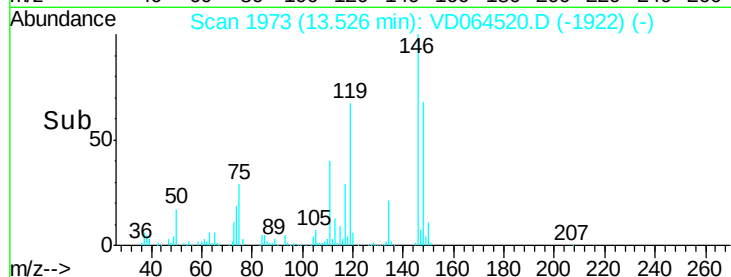
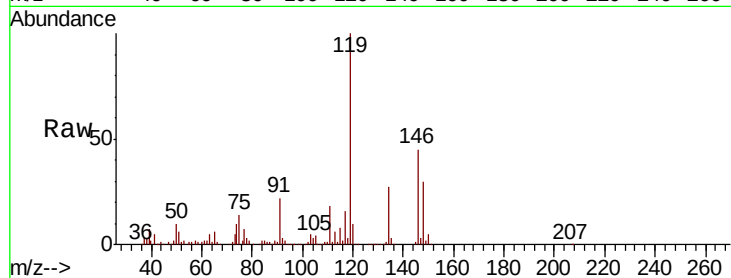
ClientSampleId :

VD1216SBS01

Tot Ion:	146	Resp:	185421
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.8	56.4
148	64.6	32.6	97.8

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#88

1,4-Dichlorobenzene

Concen: 19.578 ug/l

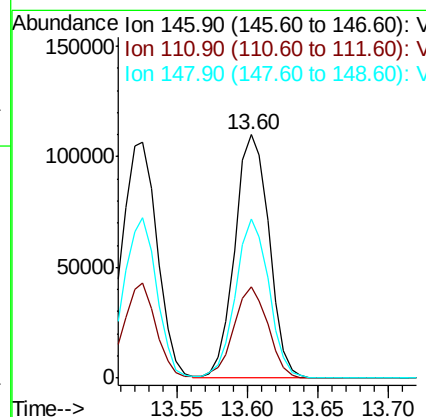
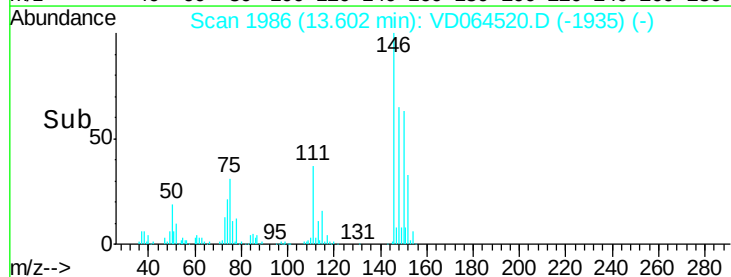
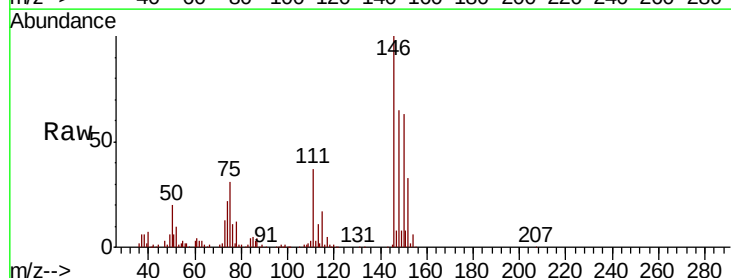
RT: 13.60 min Scan# 1986

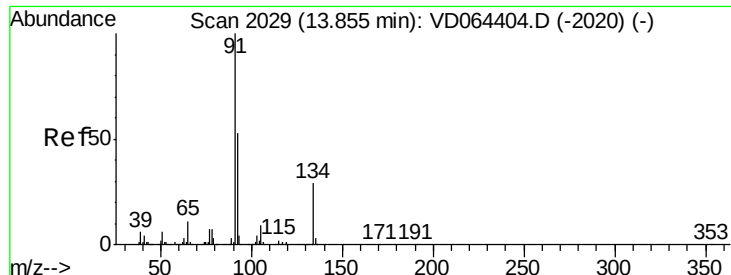
Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Tgt Ion:	146	Resp:	186457
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.2	54.6
148	63.8	31.8	95.4





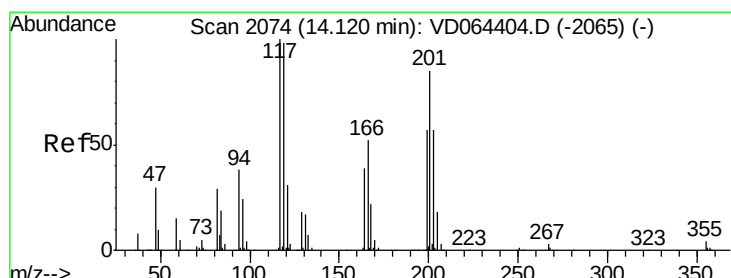
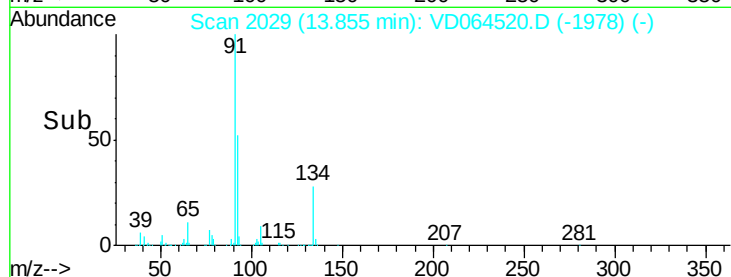
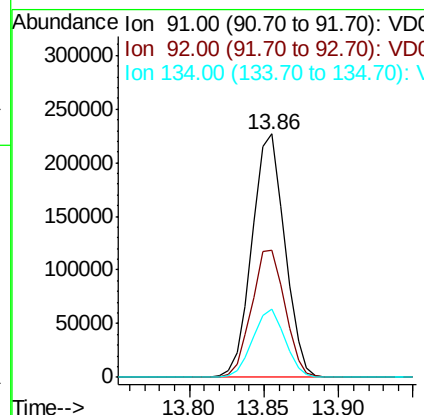
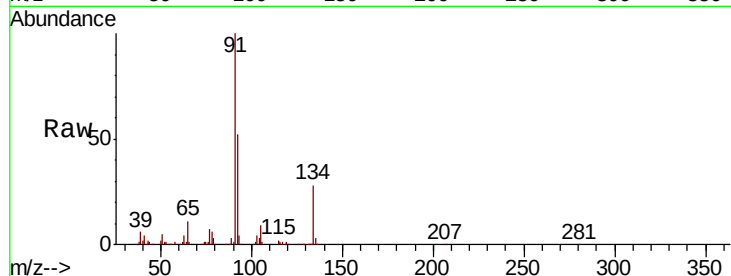
#89
n-Butylbenzene
Concen: 19.939 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.5	79.4
134	27.8	13.9	41.7

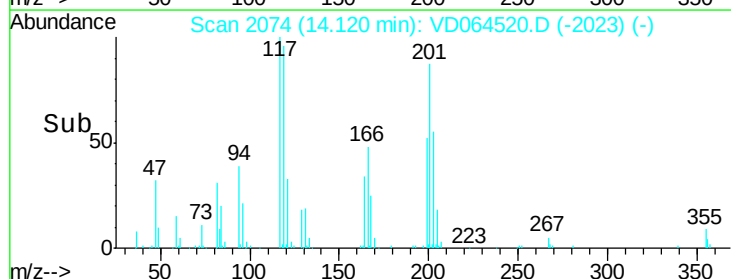
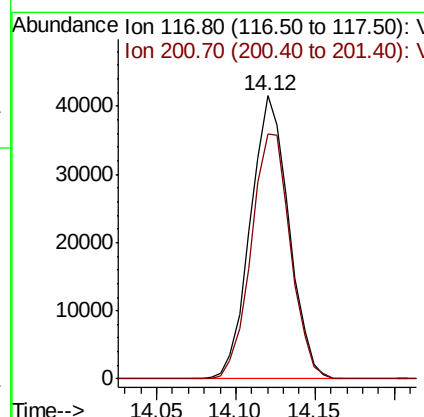
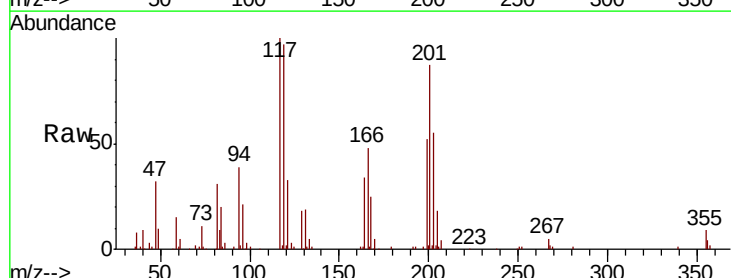
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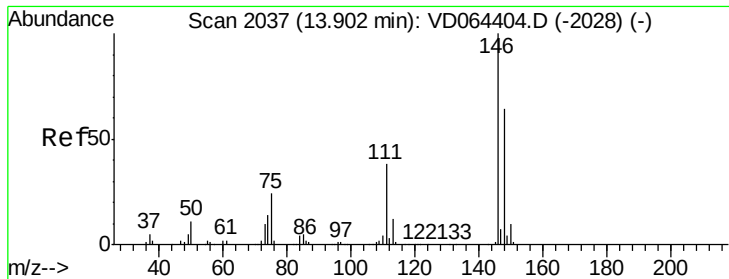
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#90
Hexachloroethane
Concen: 19.792 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064520.D
Acq: 16 Dec 2019 12:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.4	44.3	132.8





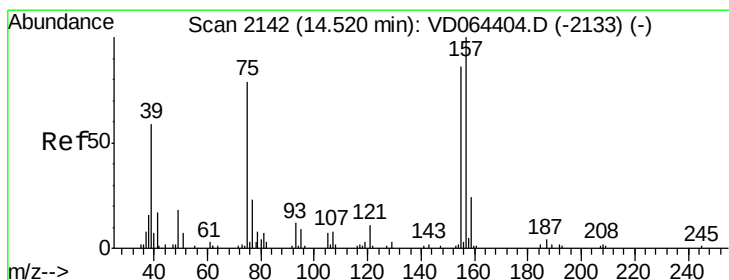
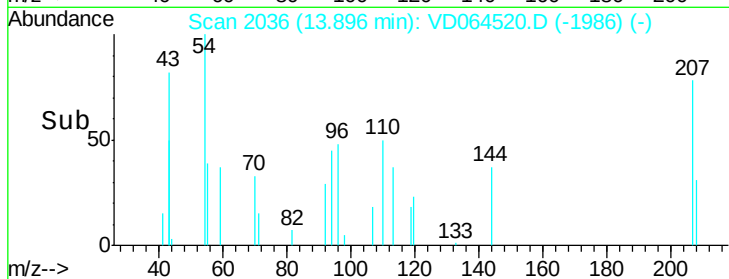
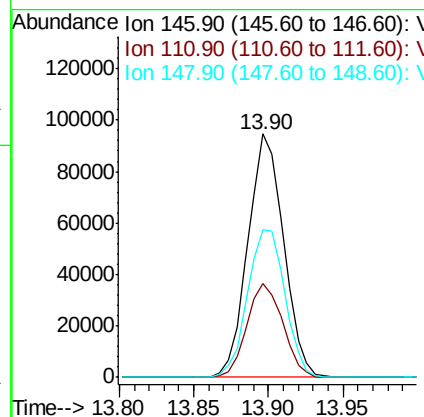
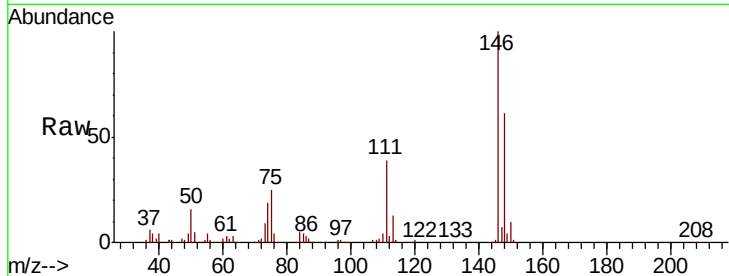
#91
 1,2-Dichlorobenzene
 Concen: 18.949 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064520.D
 Acq: 16 Dec 2019 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1216SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.3
148	63.9	32.0	96.0

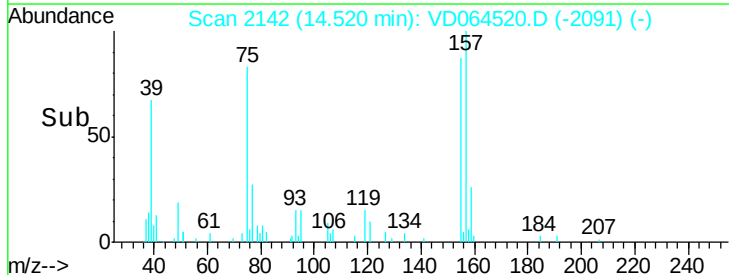
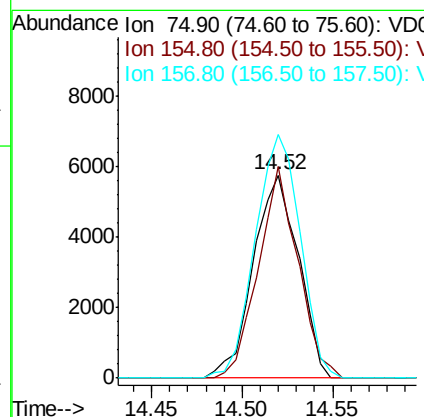
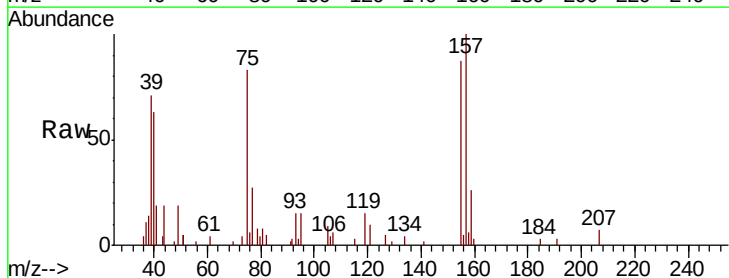
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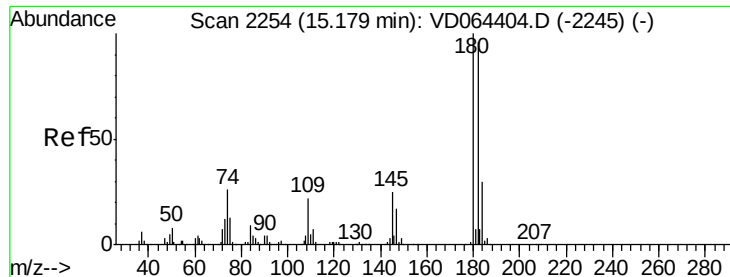
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.711 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064520.D
 Acq: 16 Dec 2019 12:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.4	51.9	155.7
157	119.8	63.2	189.8





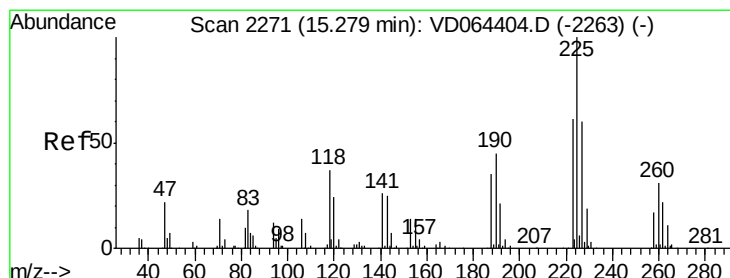
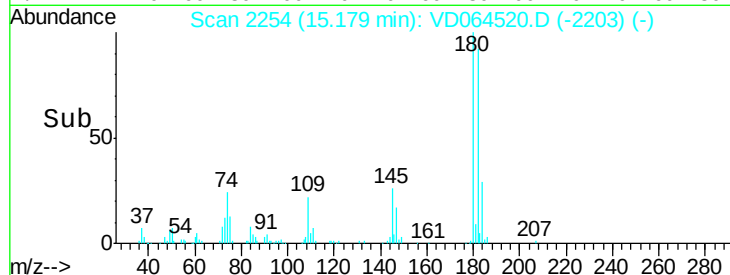
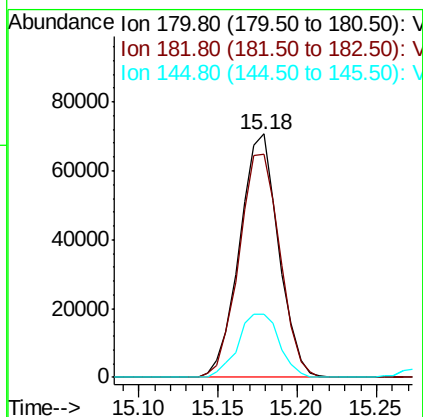
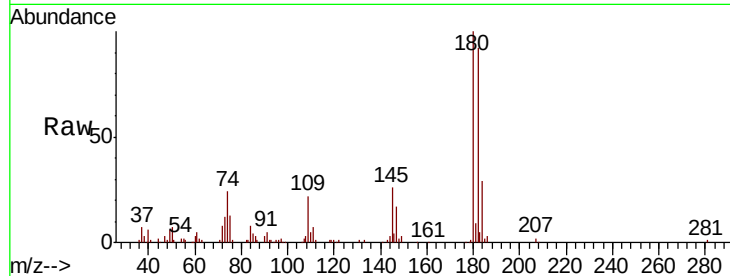
#93
 1,2,4-Trichlorobenzene
 Concen: 19.164 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD064520.D
 Acq: 16 Dec 2019 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1216SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	120999		
182	95.9		47.4	142.3
145	27.5		14.0	41.9

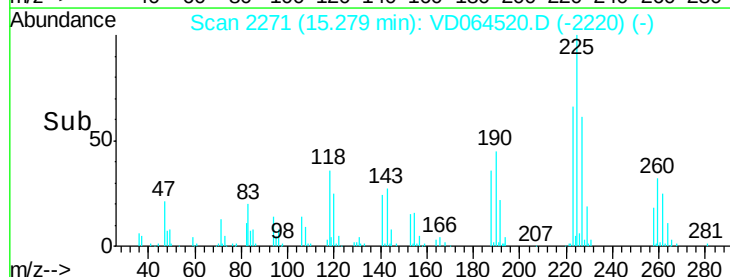
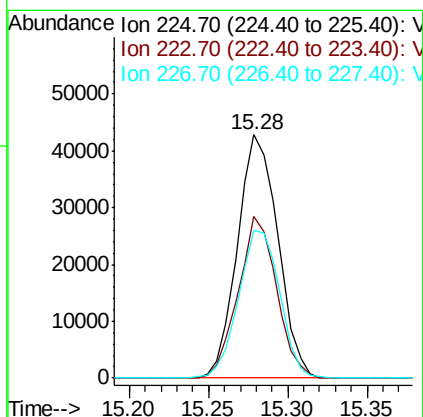
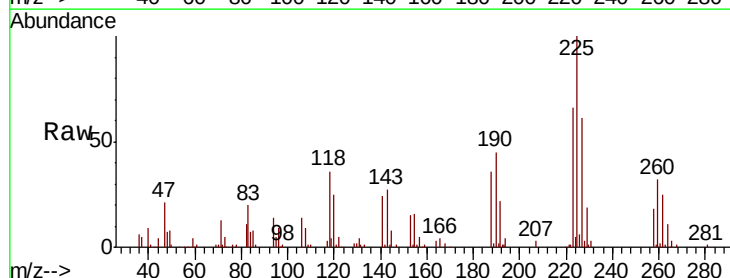
Manual Integrations
 APPROVED

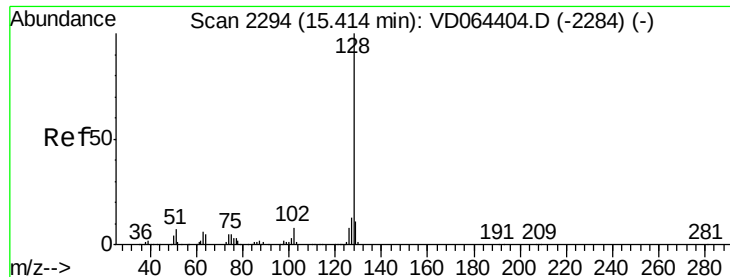
apatel
 12/17/2019 4:49:09 PM



#94
 Hexachlorobutadiene
 Concen: 19.470 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064520.D
 Acq: 16 Dec 2019 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	75888		
223	62.9		31.1	93.3
227	62.1		31.8	95.4





#95

Naphthalene

Concen: 17.865 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA_D

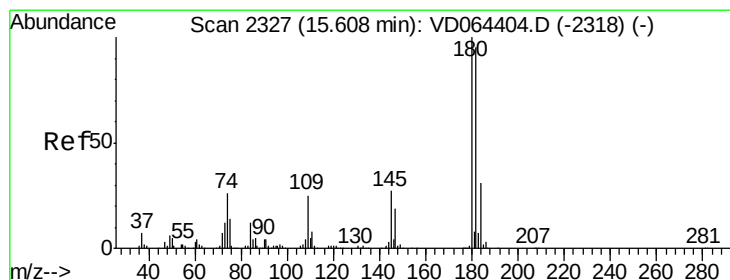
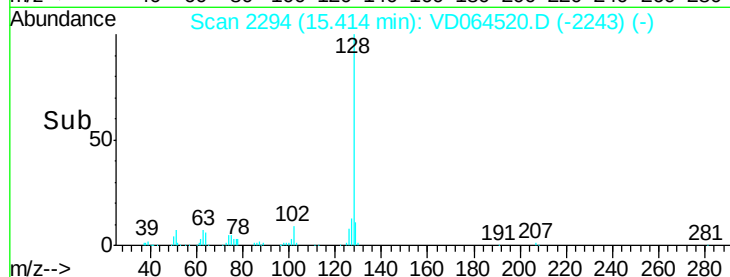
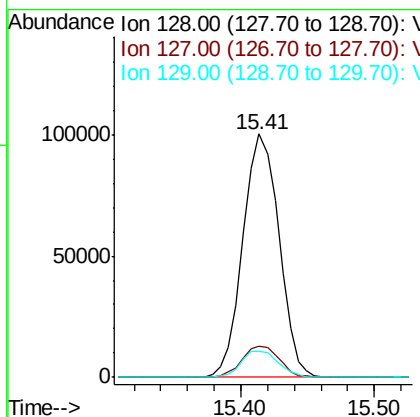
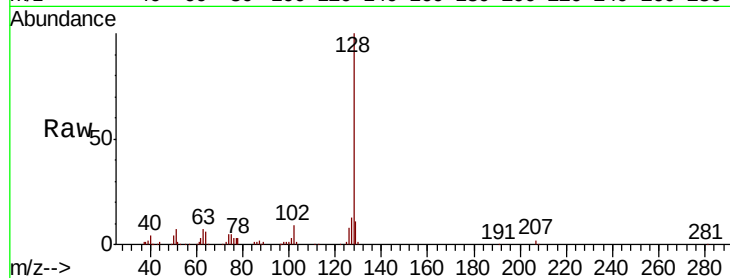
ClientSampleId :

VD1216SBS01

Tot Ion:	128	Resp:	188237
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	11.3	8.8	13.2

Manual Integrations
APPROVED

apatel
12/17/2019 4:49:09 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.229 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Tgt Ion:	180	Resp:	103636
Ion Ratio	Lower	Upper	
180	100		
182	93.5	47.6	142.9
145	29.2	14.6	43.8

