

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120419\
 Data File : VD064412.D
 Acq On : 04 Dec 2019 12:57
 Operator : VA/SY
 Sample : VD1204SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Manual Integrations
 APPROVED

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 12/5/2019 2:59:04 PM

Quant Time: Dec 05 05:54:58 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	510027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	741301	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	646836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	302676	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	248714	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
35) Dibromofluoromethane	7.91	113	252083	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
50) Toluene-d8	10.34	98	962319	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	
62) 4-Bromofluorobenzene	12.64	95	303193	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	102174	22.109	ug/l	97
3) Chloromethane	2.21	50	127379	21.853	ug/l	98
4) Vinyl Chloride	2.35	62	144078	21.408	ug/l	95
5) Bromomethane	2.76	94	95379	19.164	ug/l	95
6) Chloroethane	2.92	64	95314	21.189	ug/l	100
7) Trichlorofluoromethane	3.27	101	247723	22.142	ug/l	98
8) Diethyl Ether	3.71	74	47908	20.607	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	104879	21.863	ug/l	97
10) Methyl Iodide	4.30	142	101929	20.121	ug/l	97
11) Tert butyl alcohol	5.25	59	30197	102.759	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	103154	22.439	ug/l	95
13) Acrolein	3.93	56	38848	96.920	ug/l	96
14) Allyl chloride	4.71	41	159023	22.165	ug/l	99
15) Acrylonitrile	5.43	53	106620	104.874	ug/l	97
16) Acetone	4.17	43	96890	103.859	ug/l	99
17) Carbon Disulfide	4.40	76	323386	22.211	ug/l	99
18) Methyl Acetate	4.73	43	61620	22.644	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	220395	20.900	ug/l	99
20) Methylene Chloride	4.96	84	111780	21.003	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	112789	21.690	ug/l	91
22) Diisopropyl ether	6.37	45	305680	21.583	ug/l #	96
23) Vinyl Acetate	6.31	43	875969	104.910	ug/l	98
24) 1,1-Dichloroethane	6.27	63	187129	21.970	ug/l	98
25) 2-Butanone	7.23	43	134669	102.075	ug/l	100
26) 2,2-Dichloropropane	7.21	77	166848	22.525	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	121626	21.454	ug/l	99
28) Bromochloromethane	7.55	49	49138	16.881	ug/l	98
29) Tetrahydrofuran	7.57	42	85386	101.725	ug/l	98
30) Chloroform	7.71	83	191932	21.758	ug/l	99
31) Cyclohexane	7.98	56	182074	21.907	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	177157	21.662	ug/l	99
36) 1,1-Dichloropropene	8.11	75	154680	22.060	ug/l	99
37) Ethyl Acetate	7.30	43	61442	20.651	ug/l	98
38) Carbon Tetrachloride	8.10	117	162517	21.961	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	192493	22.132	ug/l	97
40) Benzene	8.36	78	423229	21.733	ug/l	99
41) Methacrylonitrile	7.53	41	34353	20.134	ug/l	88
42) 1,2-Dichloroethane	8.43	62	120302	21.183	ug/l	99
43) Isopropyl Acetate	8.46	43	123290	21.076	ug/l	98
44) Trichloroethene	9.11	130	128498	21.905	ug/l	97
45) 1,2-Dichloropropane	9.39	63	98329	21.112	ug/l	97
46) Dibromomethane	9.48	93	54731	20.821	ug/l	98
47) Bromodichloromethane	9.66	83	146576	21.701	ug/l	97
48) Methyl methacrylate	9.46	41	55231	20.633	ug/l	97
49) 1,4-Dioxane	9.47	88	13821	425.784	ug/l #	91
51) 4-Methyl-2-Pentanone	10.23	43	297083	102.639	ug/l	99
52) Toluene	10.40	92	268008	21.117	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	135942	21.119	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	164102	21.460	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	74485	20.694	ug/l	96
56) Ethyl methacrylate	10.67	69	93444	20.355	ug/l	97
57) 1,3-Dichloropropane	10.95	76	129178	21.083	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	189744	103.681	ug/l	100
59) 2-Hexanone	10.99	43	208593	103.859	ug/l	99
60) Dibromochloromethane	11.14	129	99844	20.459	ug/l	97
61) 1,2-Dibromoethane	11.25	107	75184	20.920	ug/l	98
64) Tetrachloroethene	10.88	164	108481	21.993	ug/l	94
65) Chlorobenzene	11.67	112	292171	21.657	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	108340	21.693	ug/l	98
67) Ethyl Benzene	11.75	91	515265	21.466	ug/l	99
68) m/p-Xylenes	11.86	106	395566	43.221	ug/l	100
69) o-Xylene	12.18	106	183318	21.688	ug/l	100
70) Styrene	12.20	104	313749	21.360	ug/l	100
71) Bromoform	12.37	173	59145	19.795	ug/l #	99
73) Isopropylbenzene	12.48	105	494953	22.737	ug/l	98
74) N-amyl acetate	12.30	43	105048	21.262	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	79496	22.083	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	51591m	20.727	ug/l	
77) Bromobenzene	12.77	156	121638	22.627	ug/l	99
78) n-propylbenzene	12.83	91	573926	22.850	ug/l	99
79) 2-Chlorotoluene	12.91	91	315768	22.848	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	400395	22.508	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	25512	22.349	ug/l	96
82) 4-Chlorotoluene	13.01	91	326877	22.338	ug/l	99
83) tert-Butylbenzene	13.23	119	349960	22.628	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	401975	22.472	ug/l	98
85) sec-Butylbenzene	13.41	105	478628	22.549	ug/l	100
86) p-Isopropyltoluene	13.53	119	450339	22.473	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	228907	22.435	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	223241	22.162	ug/l	99
89) n-Butylbenzene	13.86	91	414532	22.779	ug/l	99
90) Hexachloroethane	14.12	117	84150	22.451	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	196181	22.499	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	14803	25.361	ug/l	81

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Instrument :
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ClientSampleId :
VD1204SBSD01

Manual Integrations
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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	148128	22.182	ug/l	99
94) Hexachlorobutadiene	15.28	225	91586	22.216	ug/l	99
95) Naphthalene	15.41	128	243382	21.838	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	127790	22.418	ug/l	100

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

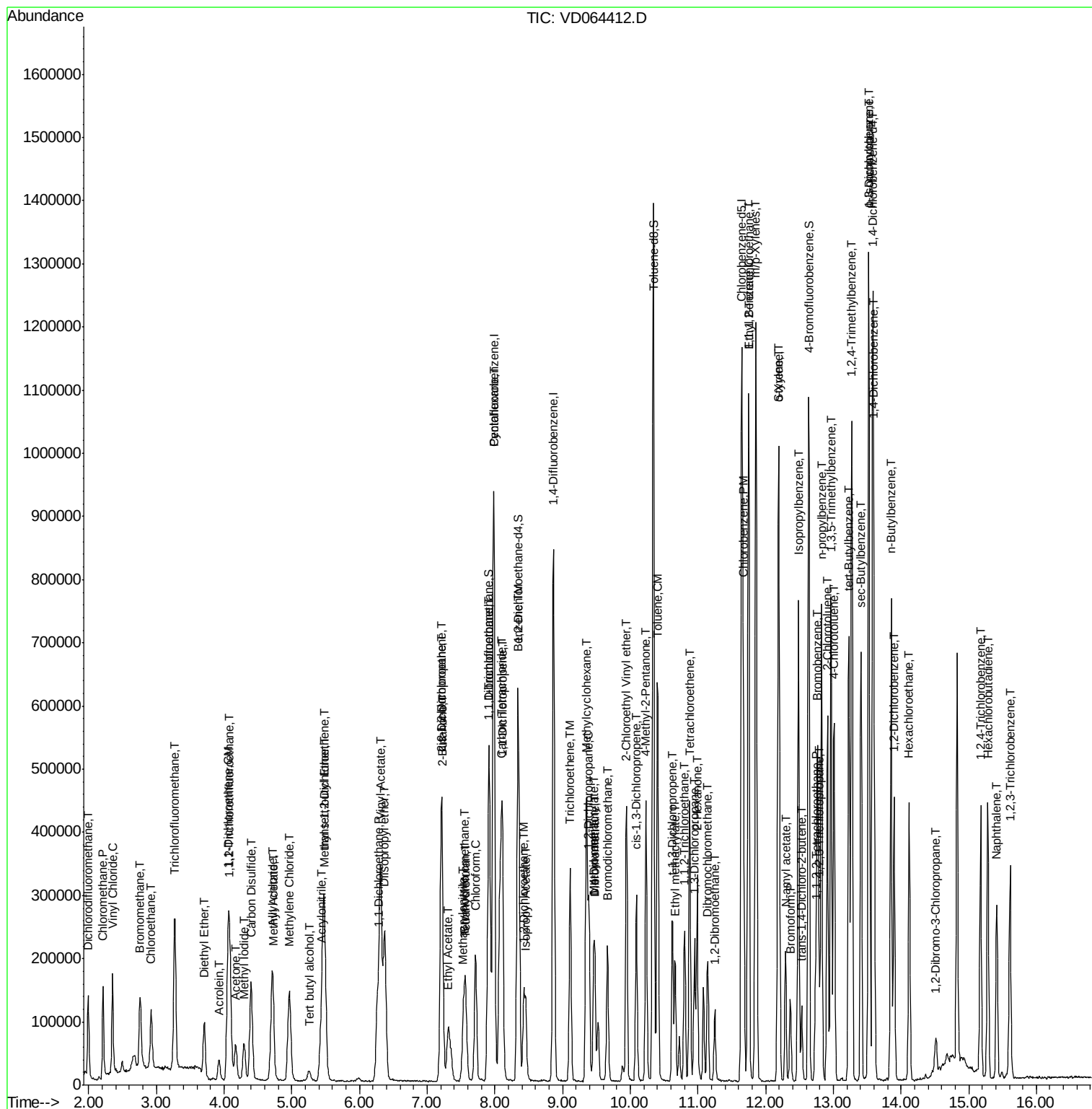
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Data File : VD064412.D
Acq On : 04 Dec 2019 12:57
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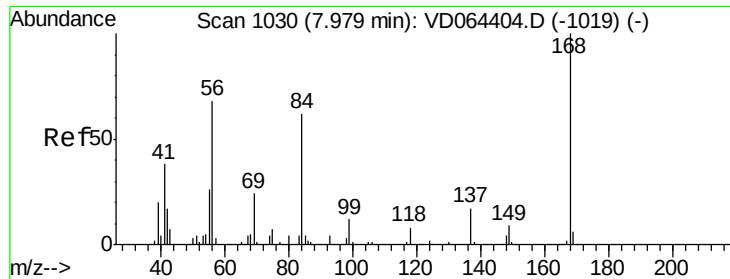
Instrument :
MSVOA_D
Client Sample Id :
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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBSD01

Tot Ion:168 Resp: 510027

Ion Ratio Lower Upper

168 100

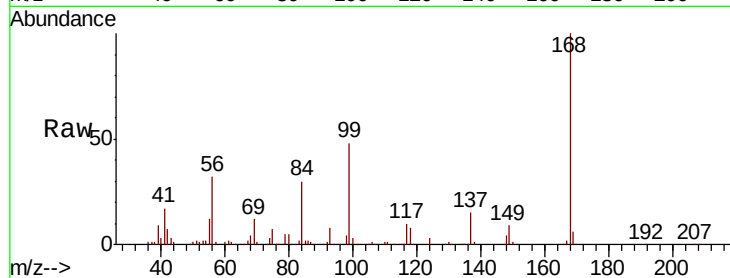
99 48.1 40.7 61.1

Manual Integrations

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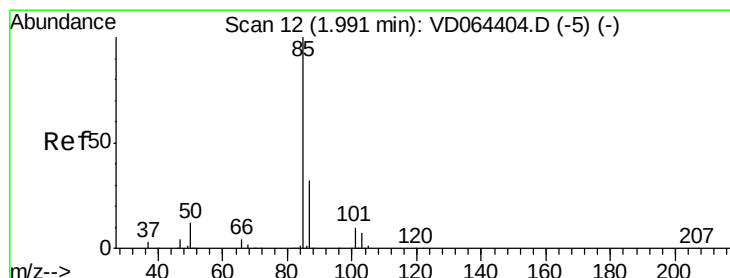
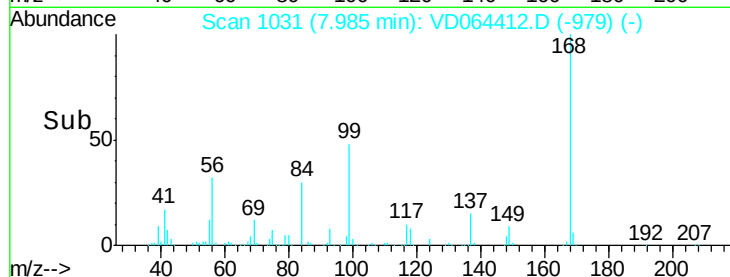
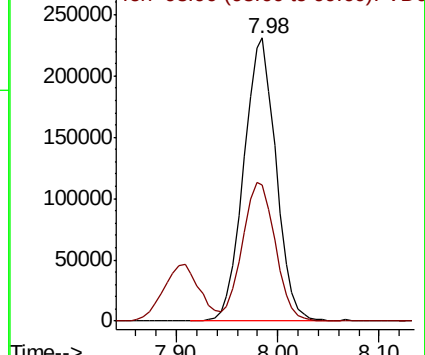
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.109 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064412.D

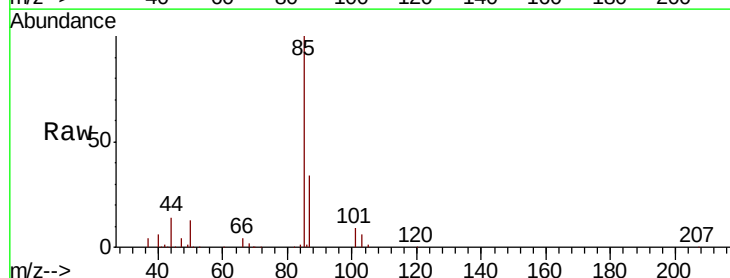
Acq: 04 Dec 2019 12:57

Tgt Ion: 85 Resp: 102174

Ion Ratio Lower Upper

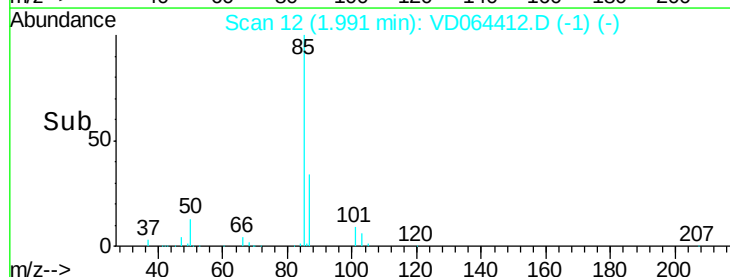
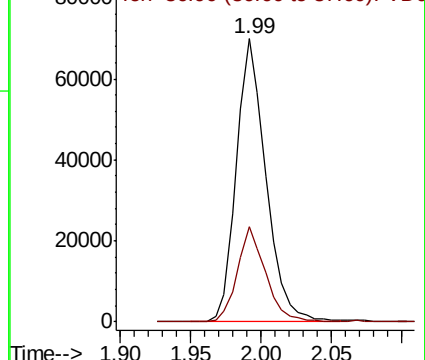
85 100

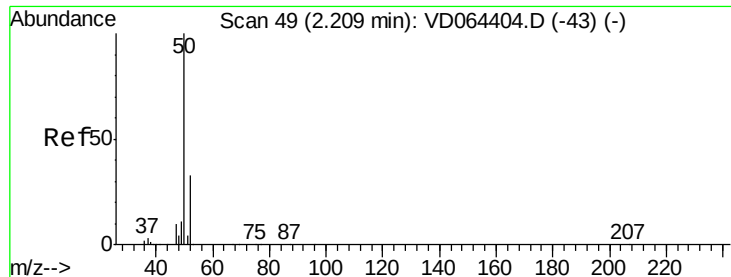
87 33.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.853 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBSD01

Tot Ion: 50 Resp: 127379

Ion Ratio Lower Upper

50 100

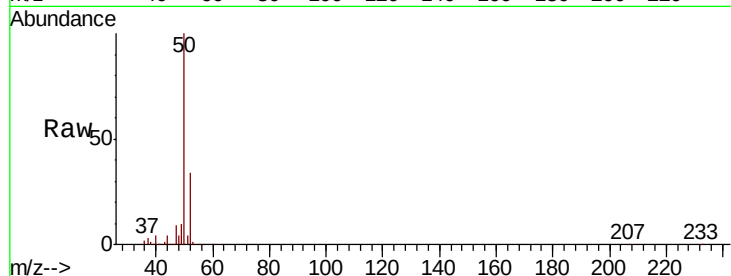
52 34.3 26.7 40.1

Manual Integrations

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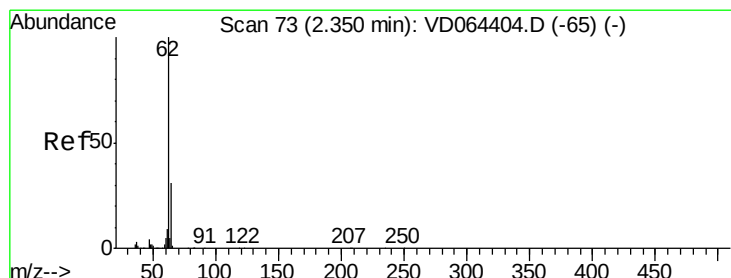
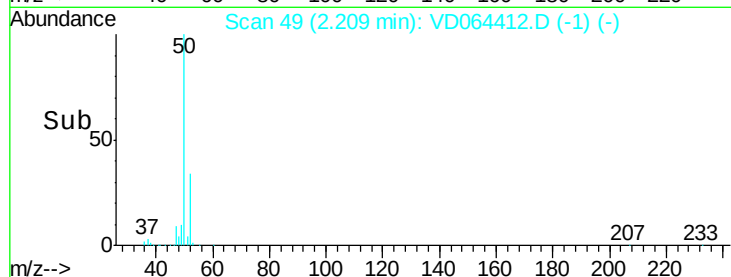
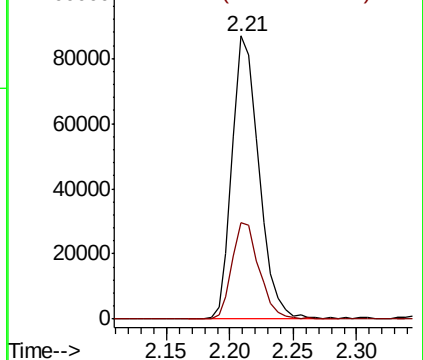
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.408 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064412.D

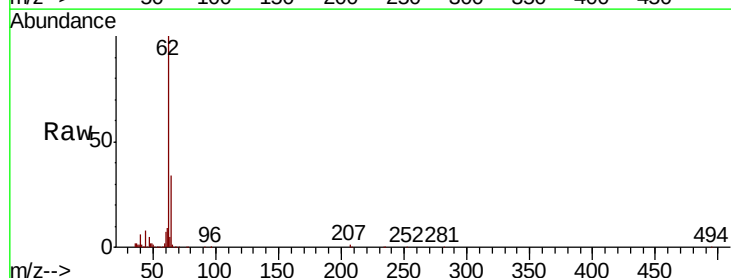
Acq: 04 Dec 2019 12:57

Tgt Ion: 62 Resp: 144078

Ion Ratio Lower Upper

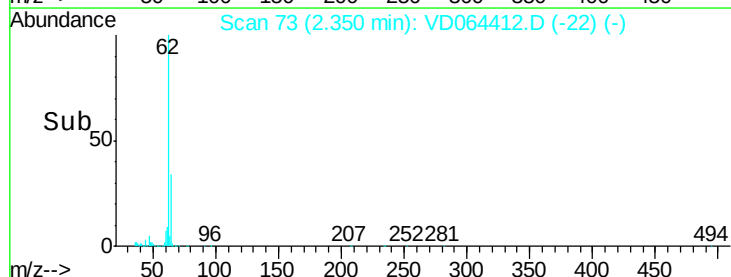
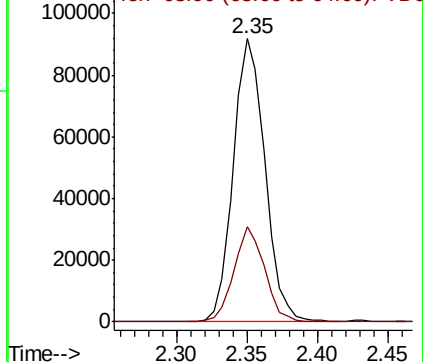
62 100

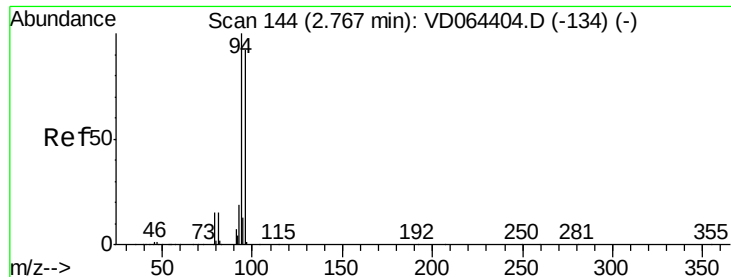
64 33.8 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.164 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 95379

Ion Ratio Lower Upper

94 100

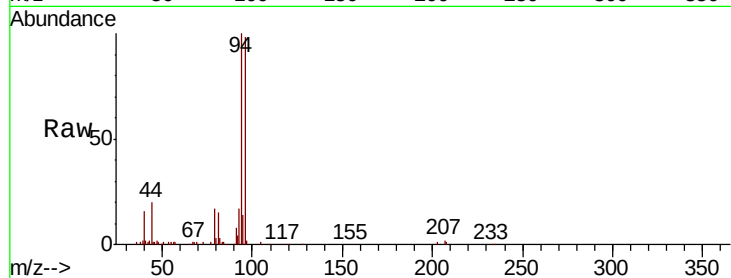
96 96.9 73.6 110.4

Manual Integrations

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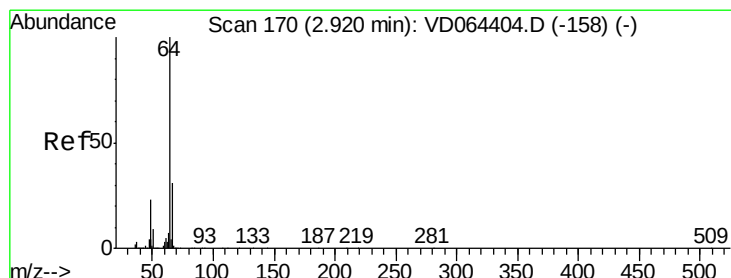
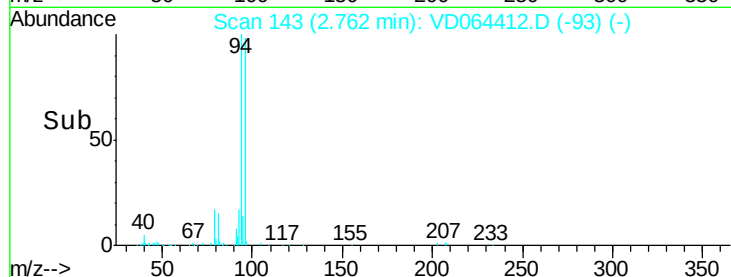
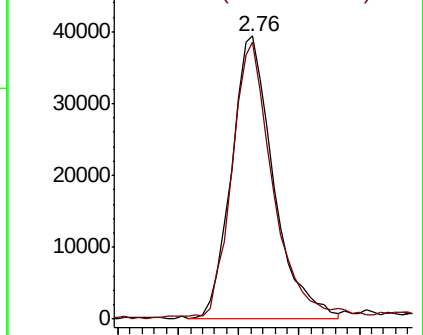
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.189 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064412.D

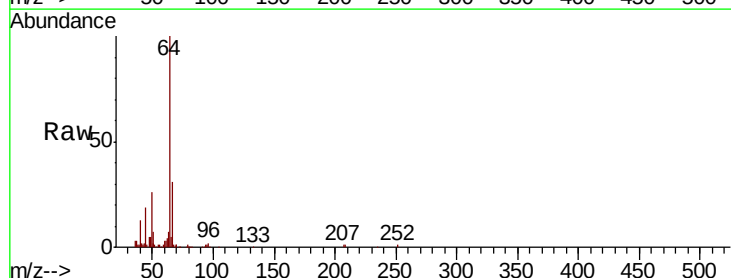
Acq: 04 Dec 2019 12:57

Tgt Ion: 64 Resp: 95314

Ion Ratio Lower Upper

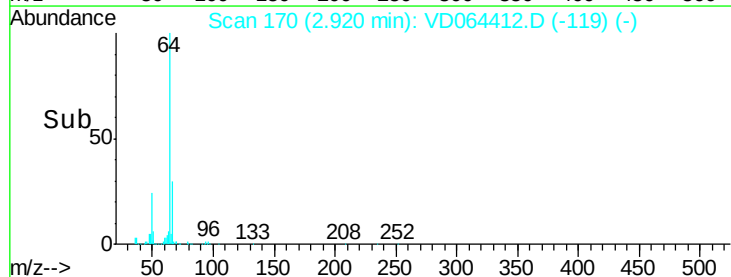
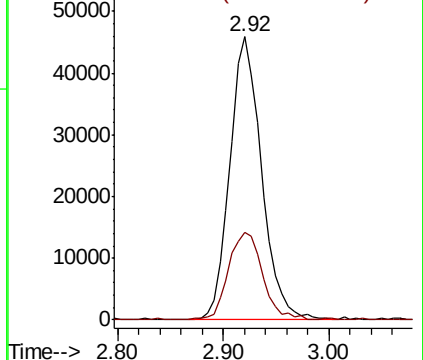
64 100

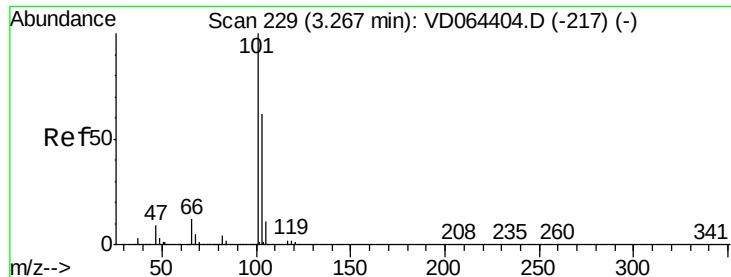
66 30.7 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

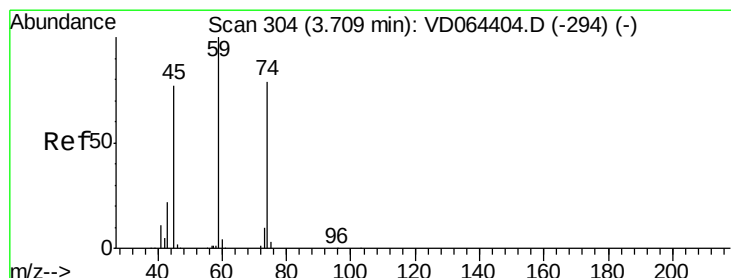
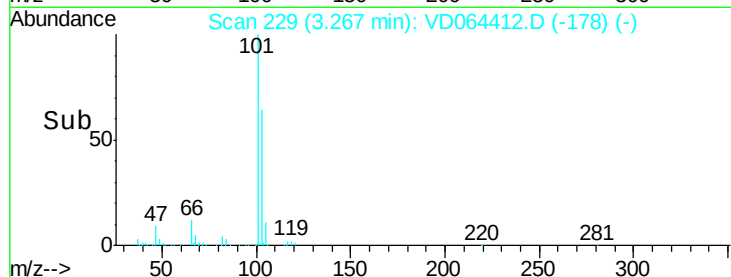
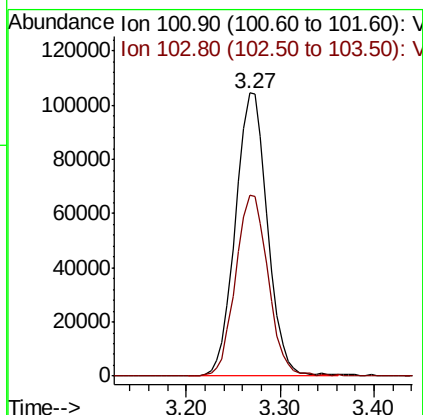
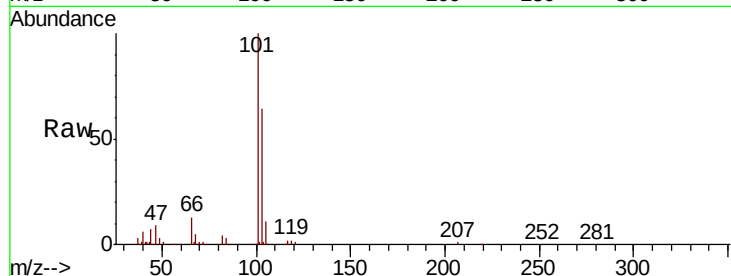
Trichlorofluoromethane
Concen: 22.142 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	49.8	74.6

Manual Integrations
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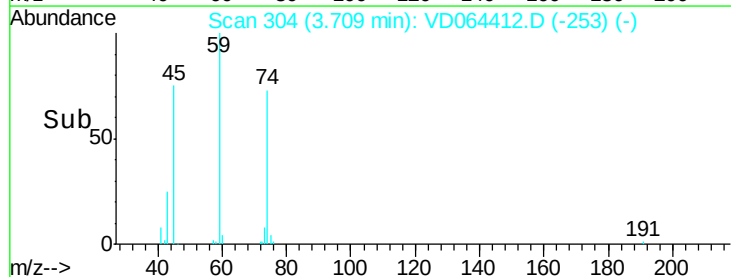
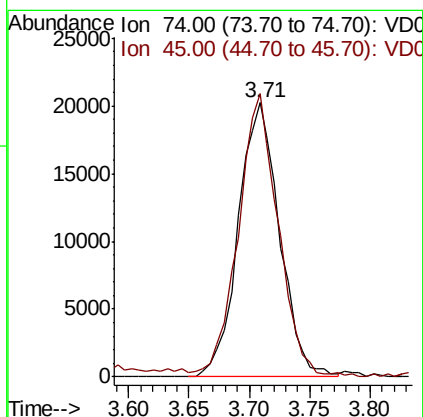
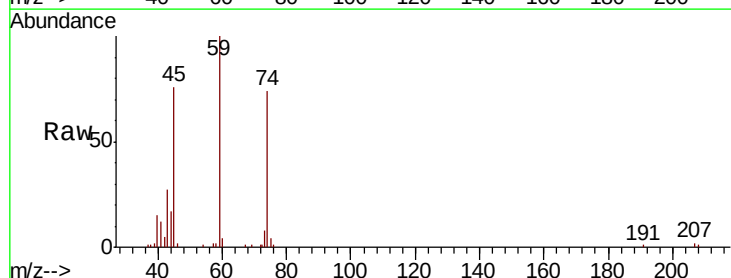
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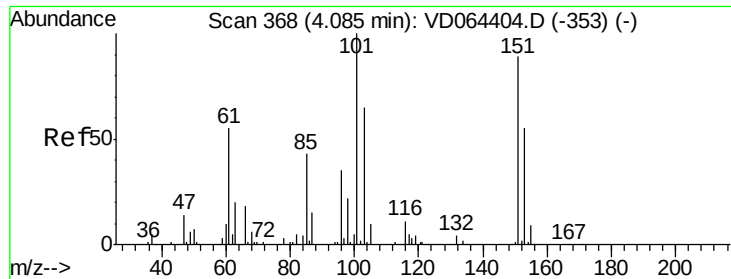


#8

Diethyl Ether
Concen: 20.607 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.8	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.863 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

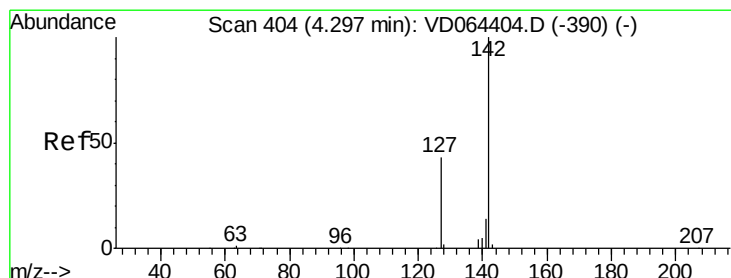
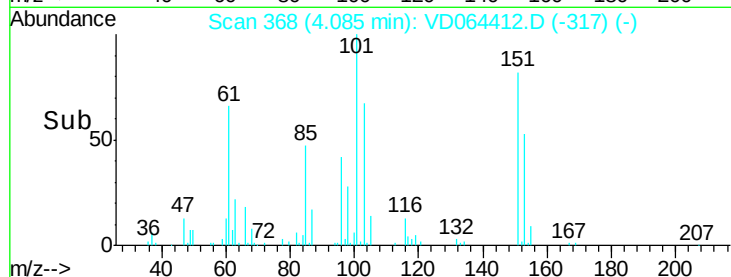
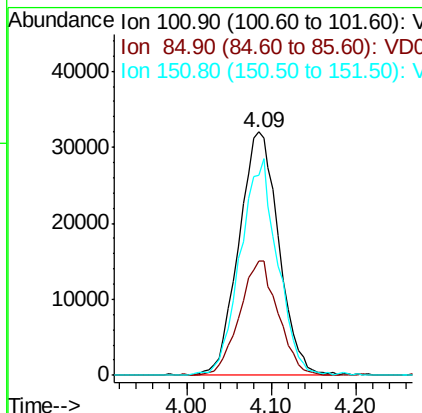
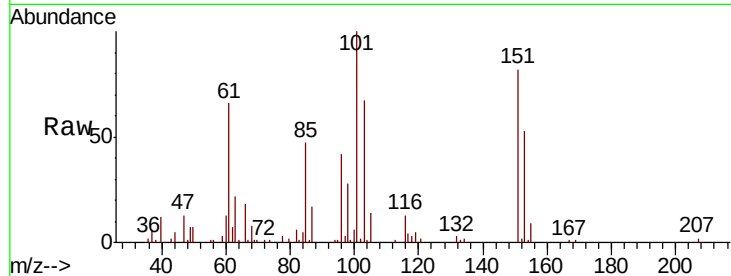
ClientSampleId :

VD1204SBSD01

Tot Ion:	101	Resp:	104879
Ion Ratio	Lower	Upper	
101	100		
85	45.6	34.8	52.2
151	83.2	68.8	103.2

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#10

Methyl Iodide

Concen: 20.121 ug/l

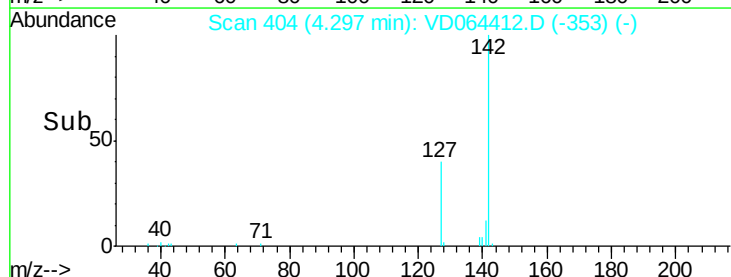
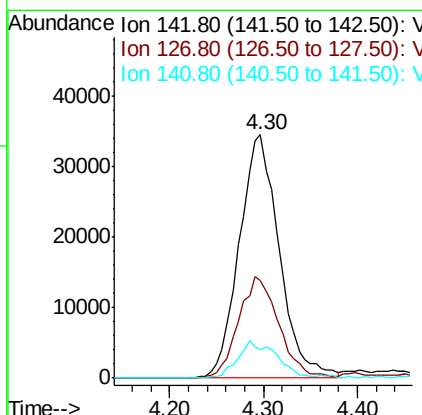
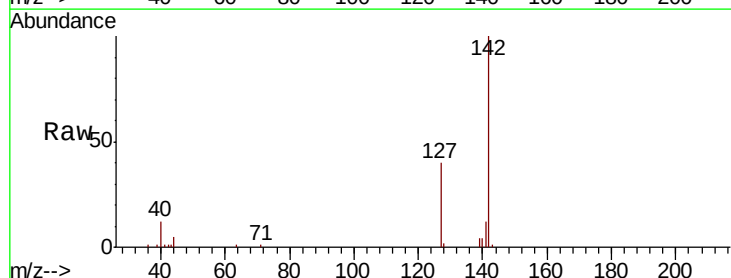
RT: 4.30 min Scan# 404

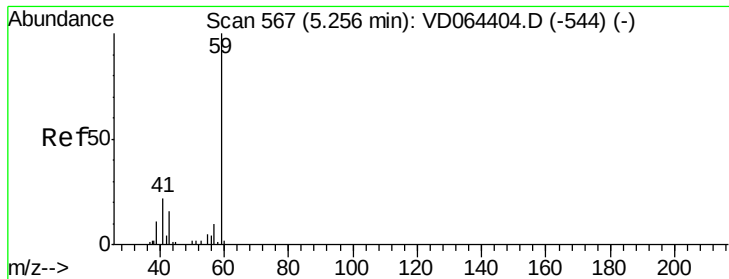
Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Tgt Ion:	142	Resp:	101929
Ion Ratio	Lower	Upper	
142	100		
127	41.8	35.3	52.9
141	14.9	11.6	17.4





#11

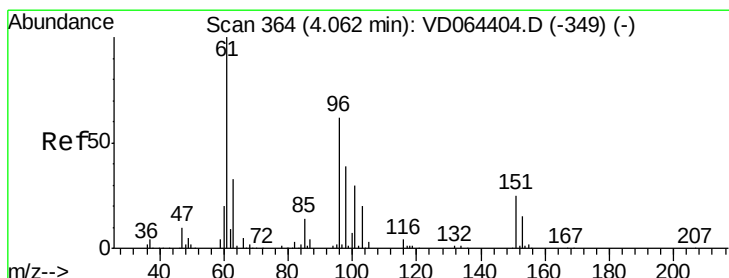
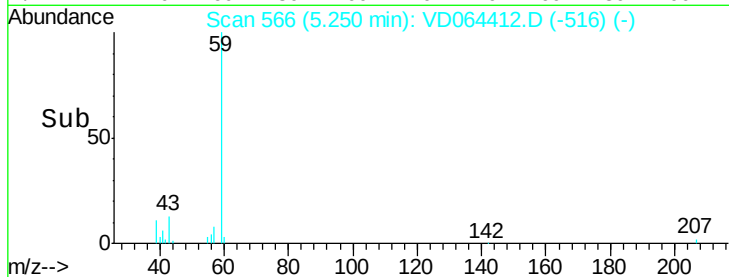
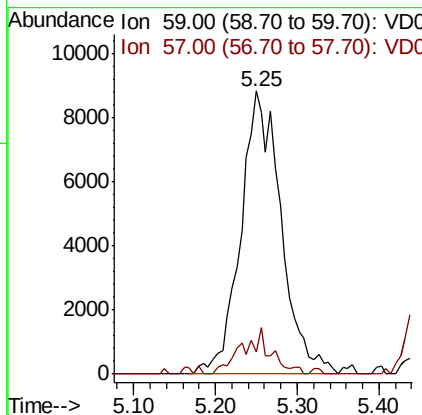
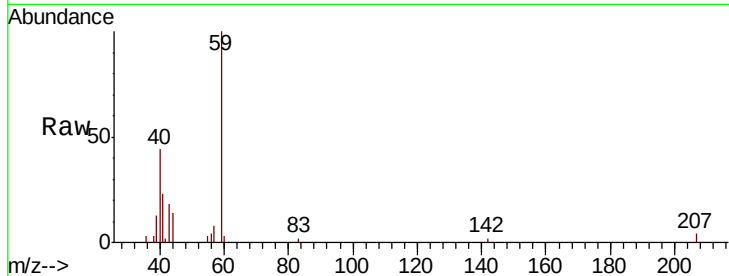
Tert butyl alcohol
Concen: 102.759 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

Tot Ion: 59 Resp: 30197
Ion Ratio Lower Upper
59 100
57 7.3 0.0 0.0#

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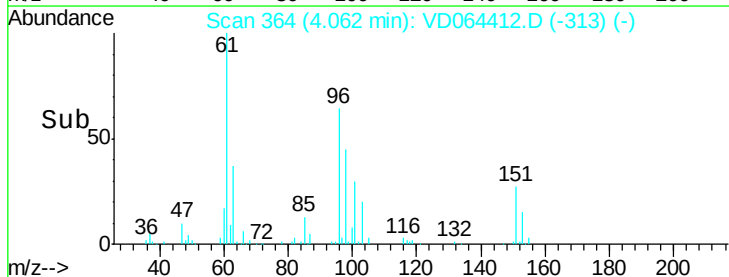
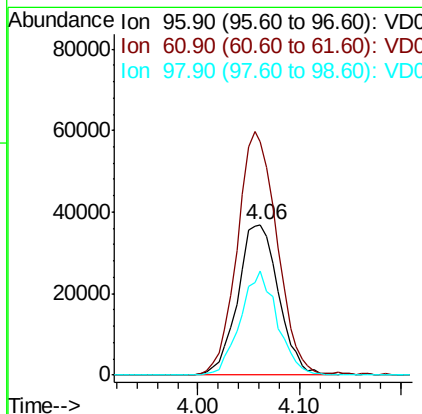
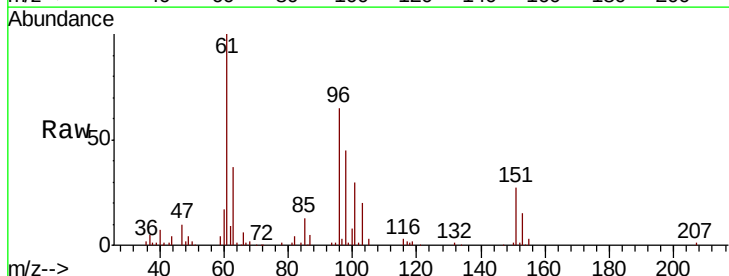
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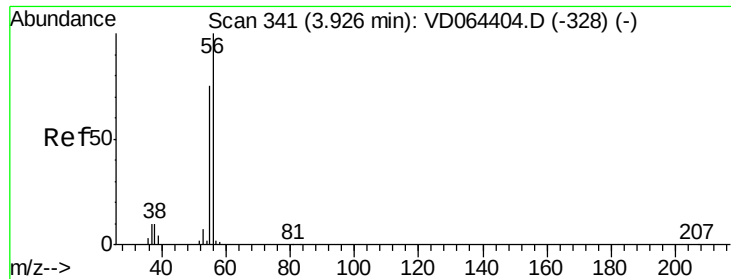


#12

1,1-Dichloroethene
Concen: 22.439 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion: 96 Resp: 103154
Ion Ratio Lower Upper
96 100
61 155.0 128.2 192.4
98 69.2 50.4 75.6





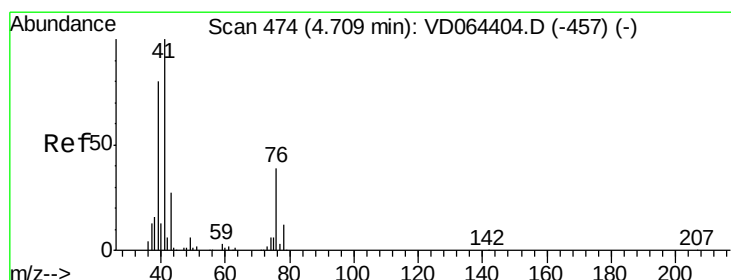
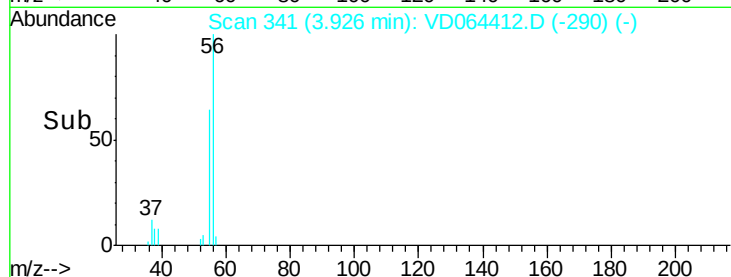
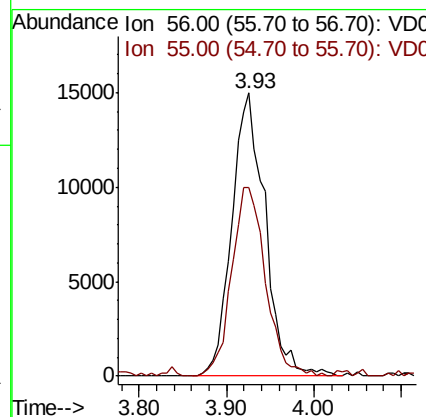
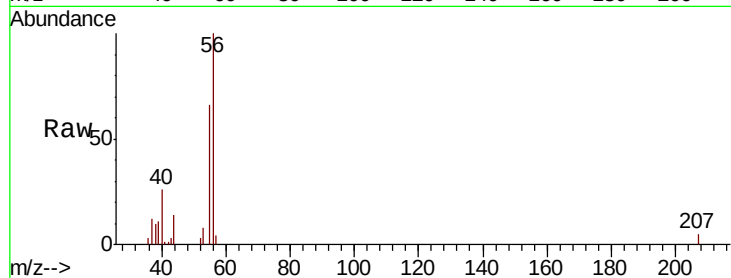
#13
Acrolein
Concen: 96.920 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

Tot Ion	56	Resp	38848
Ion Ratio	100	Lower	Upper
55	67.7	56.9	85.3

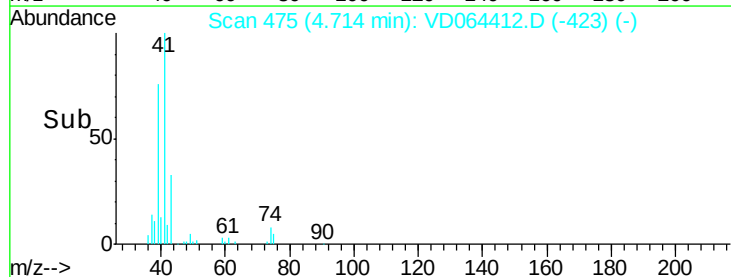
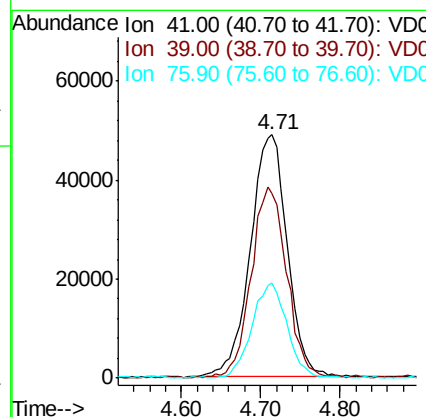
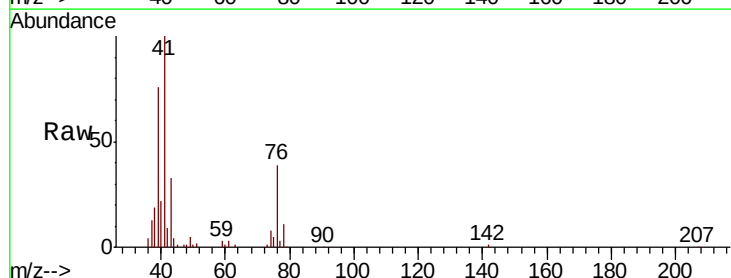
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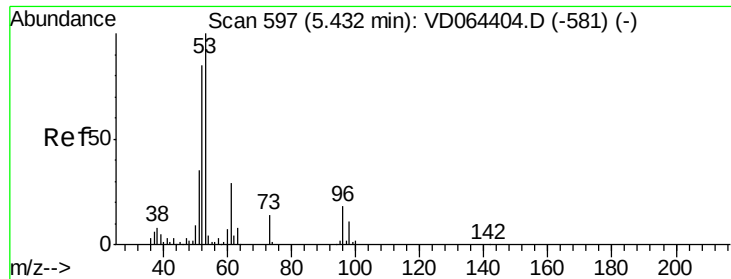
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#14
Allyl chloride
Concen: 22.165 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion	41	Resp	159023
Ion Ratio	100	Lower	Upper
39	76.0	62.1	93.1
76	37.3	29.8	44.8





#15

Acrylonitrile

Concen: 104.874 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

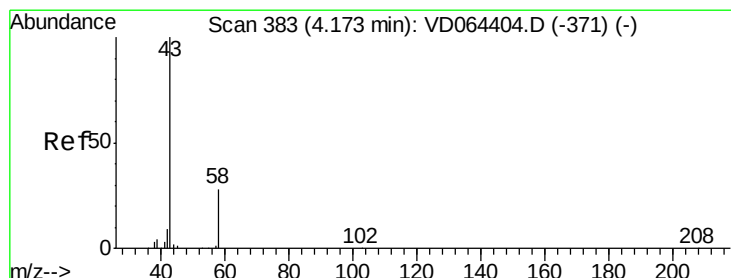
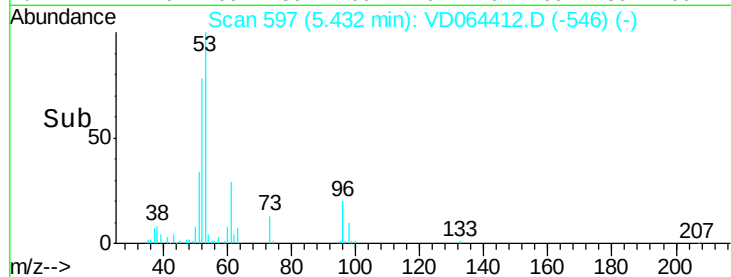
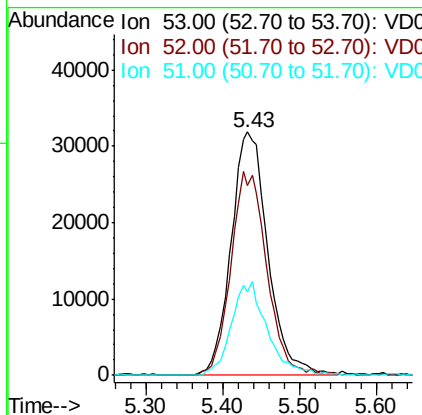
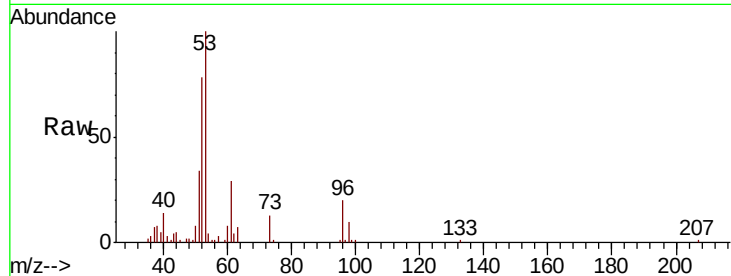
ClientSampleId :

VD1204SBSD01

Tot Ion:	53	Resp:	106620
Ion Ratio	Lower	Upper	
53	100		
52	81.4	67.9	101.9
51	37.4	30.6	45.8

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#16

Acetone

Concen: 103.859 ug/l

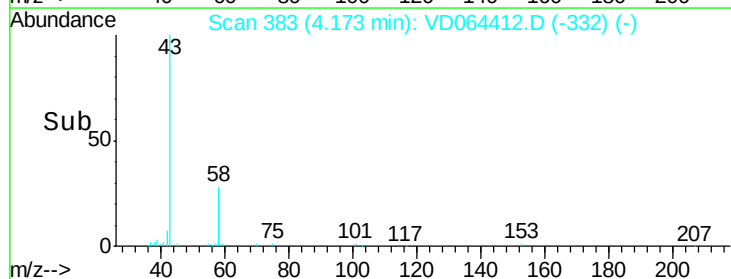
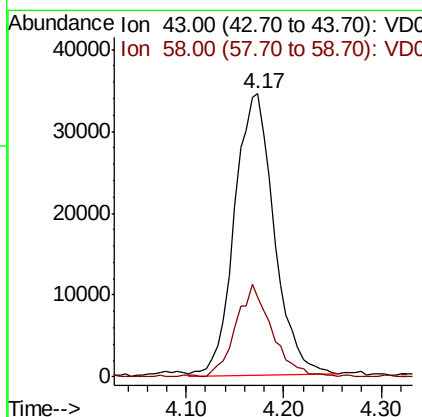
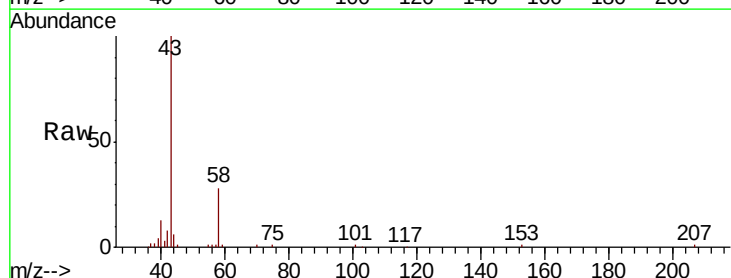
RT: 4.17 min Scan# 383

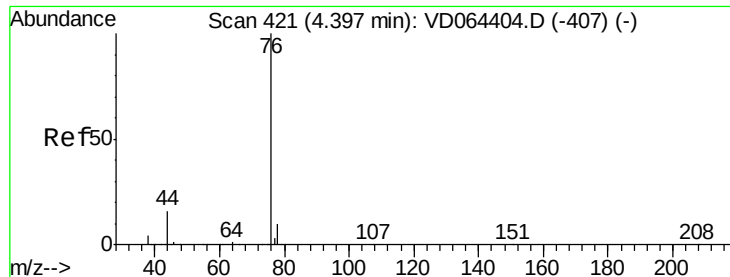
Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Tgt Ion:	43	Resp:	96890
Ion Ratio	Lower	Upper	
43	100		
58	28.5	22.6	33.8





#17

Carbon Disulfide

Concen: 22.211 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 76 Resp: 323386

Ion Ratio Lower Upper

76 100

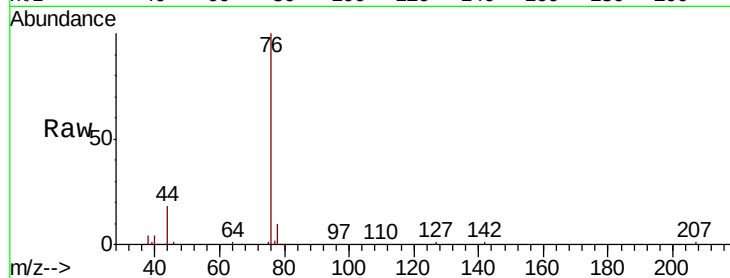
78 9.5 7.8 11.8

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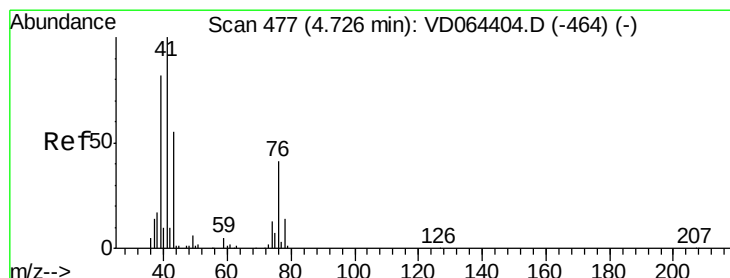
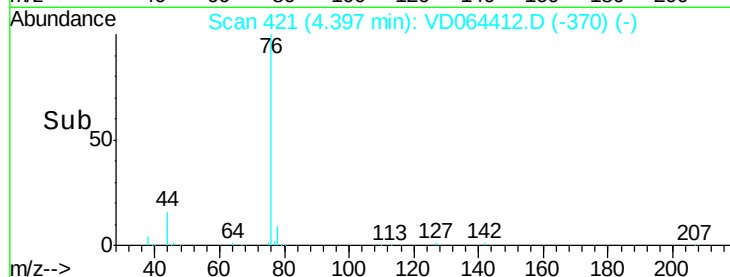
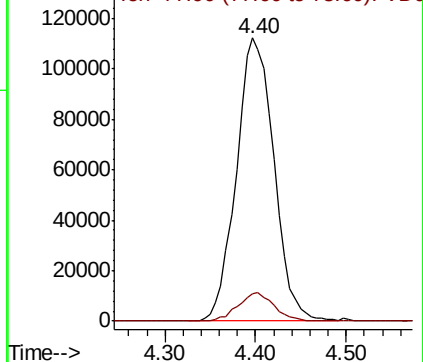
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 22.644 ug/l

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD064412.D

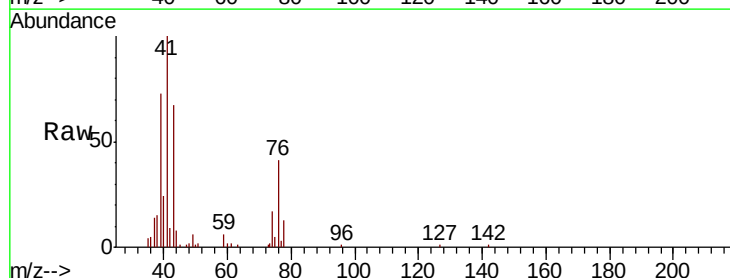
Acq: 04 Dec 2019 12:57

Tgt Ion: 43 Resp: 61620

Ion Ratio Lower Upper

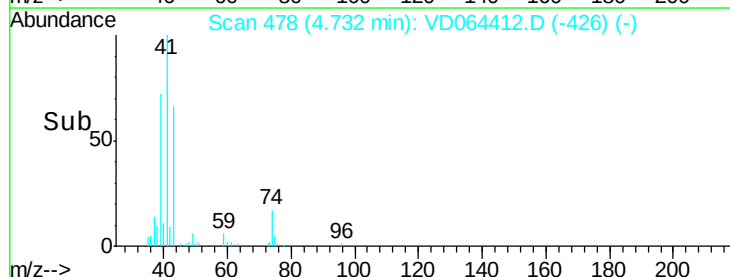
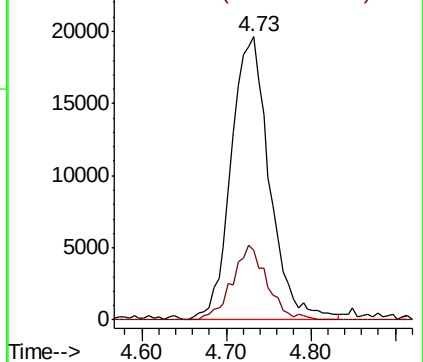
43 100

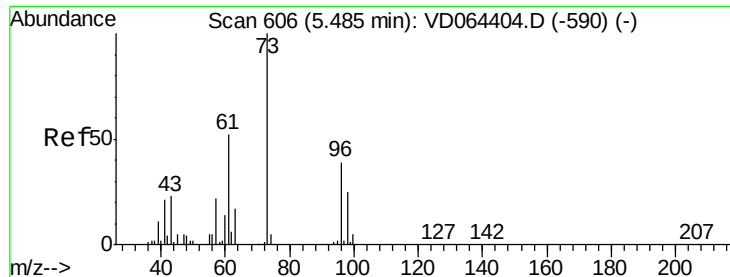
74 23.9 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





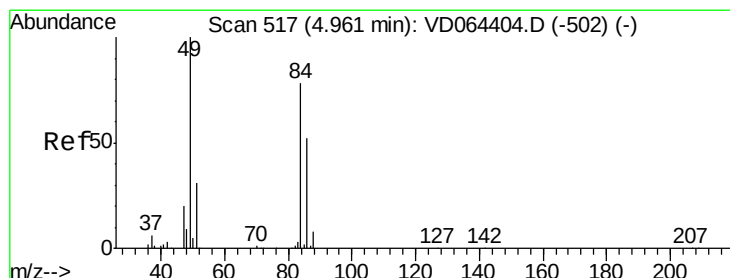
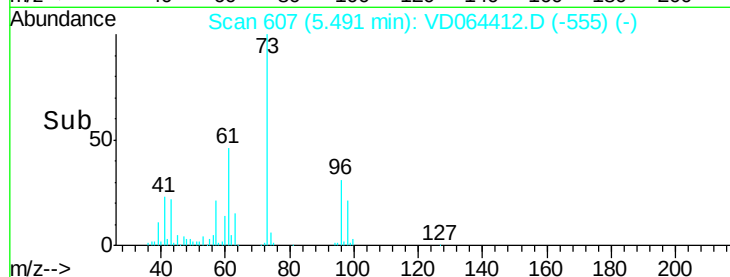
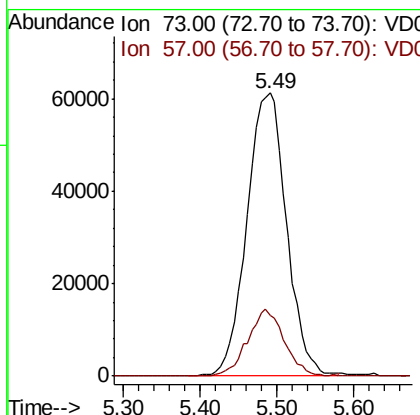
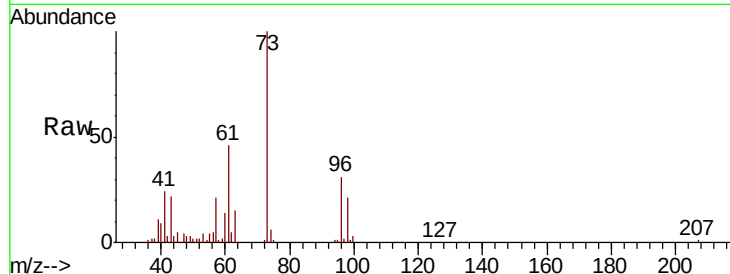
#19
Methyl tert-butyl Ether
Concen: 20.900 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion: 73 Resp: 220395
Ion Ratio Lower Upper
73 100
57 21.4 17.6 26.4

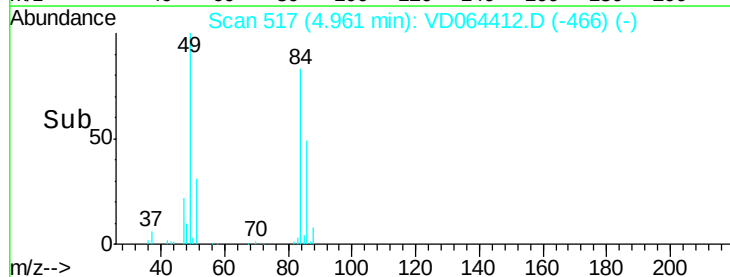
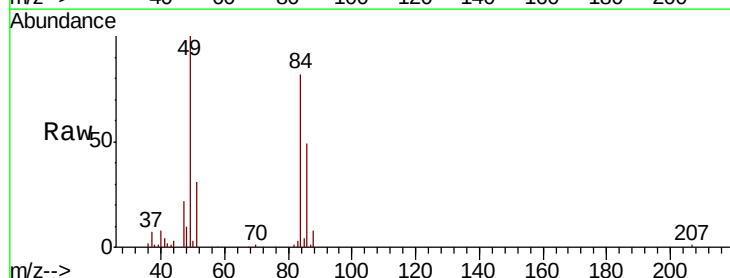
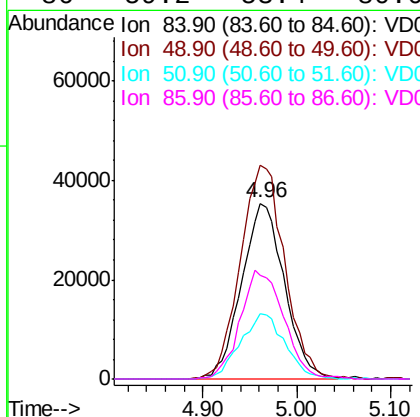
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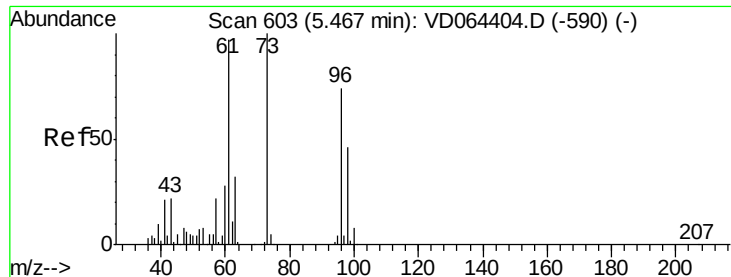
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#20
Methylene Chloride
Concen: 21.003 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion: 84 Resp: 111780
Ion Ratio Lower Upper
84 100
49 121.7 102.6 153.8
51 37.5 32.0 48.0
86 59.2 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 21.690 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBSD01

Tot Ion: 96 Resp: 112789

Ion Ratio Lower Upper

96 100

61 118.5 105.8 158.6

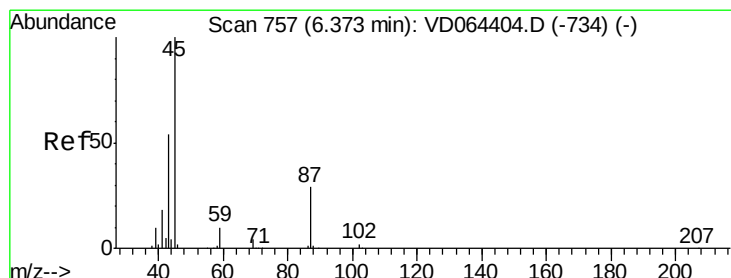
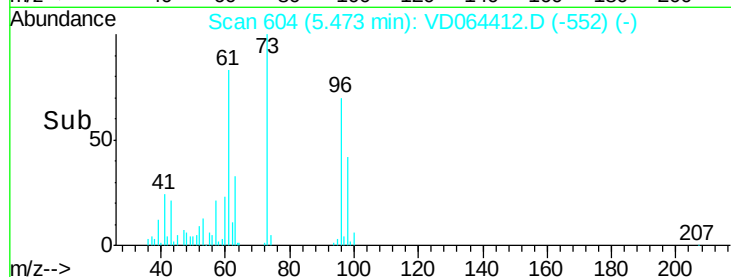
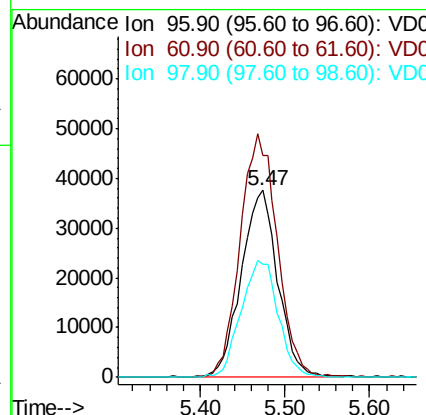
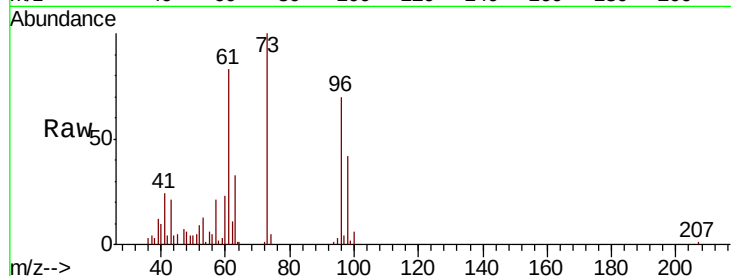
98 60.4 50.1 75.1

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#22

Diisopropyl ether

Concen: 21.583 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Tgt Ion: 45 Resp: 305680

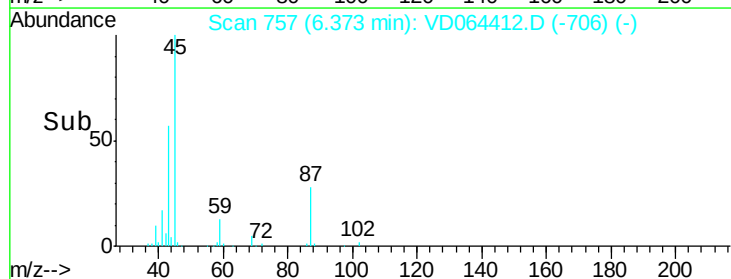
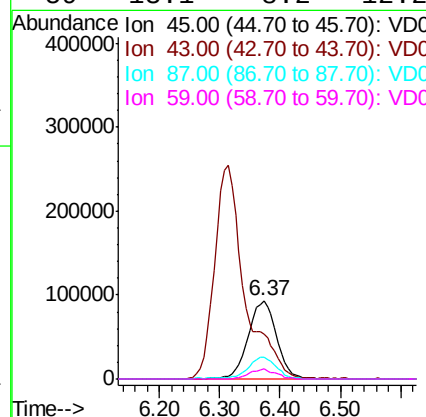
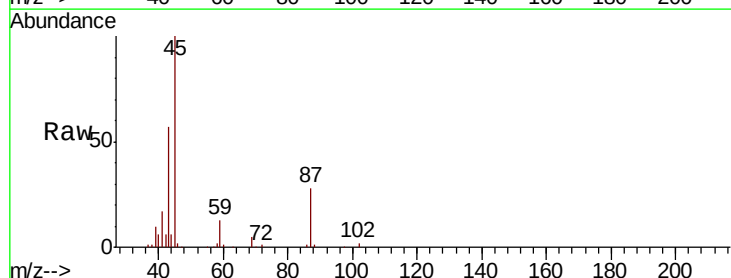
Ion Ratio Lower Upper

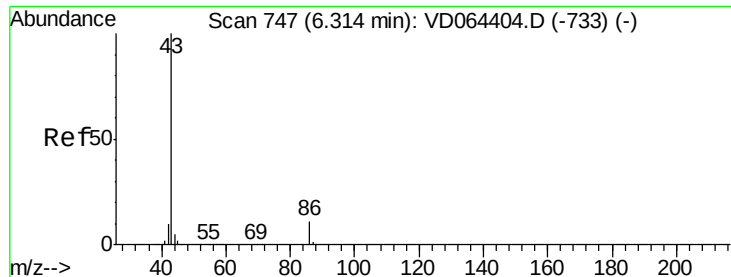
45 100

43 56.5 43.1 64.7

87 27.9 23.5 35.3

59 13.1 8.2 12.2#





#23

Vinyl Acetate

Concen: 104.910 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBSD01

Tot Ion: 43 Resp: 875969

Ion Ratio Lower Upper

43 100

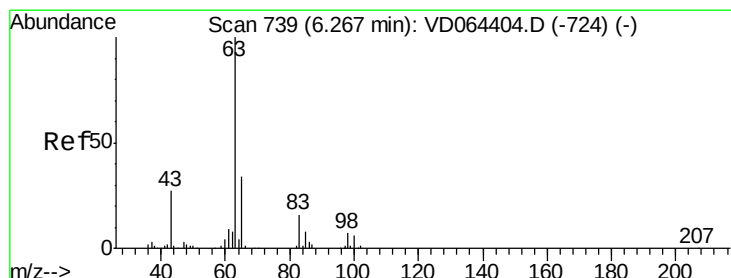
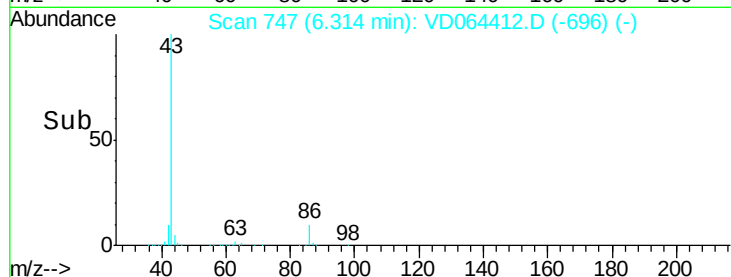
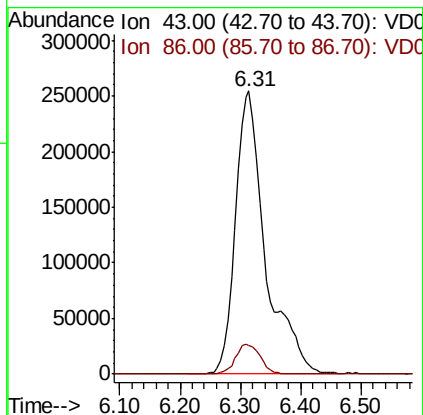
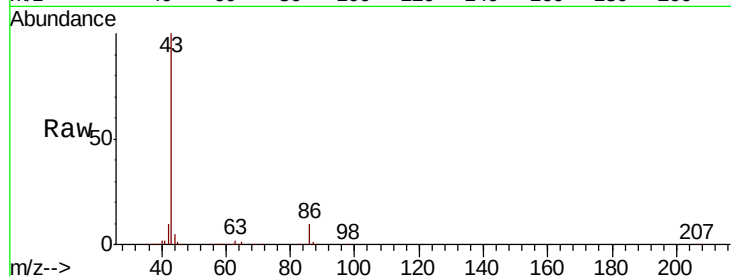
86 10.2 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 21.970 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

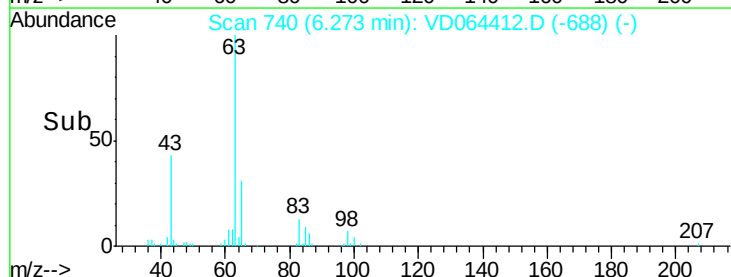
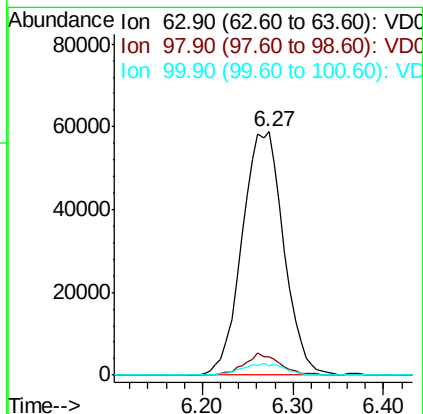
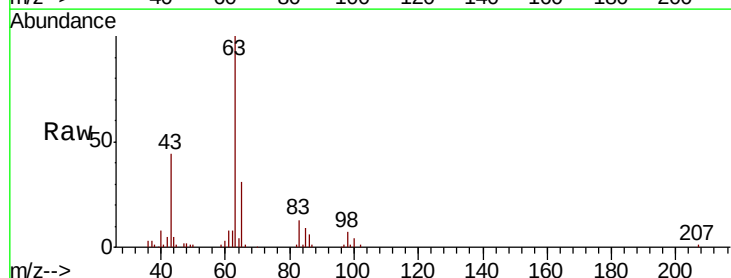
Tgt Ion: 63 Resp: 187129

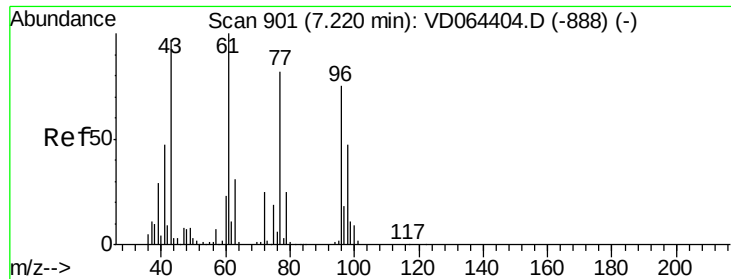
Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

100 3.9 2.9 8.6





#25

2-Butanone

Concen: 102.075 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBSD01

Tot Ion: 43 Resp: 134669

Ion Ratio Lower Upper

43 100

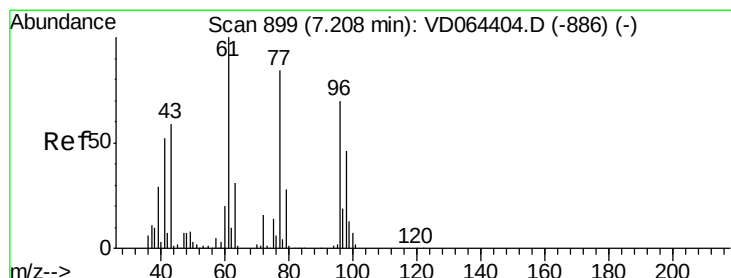
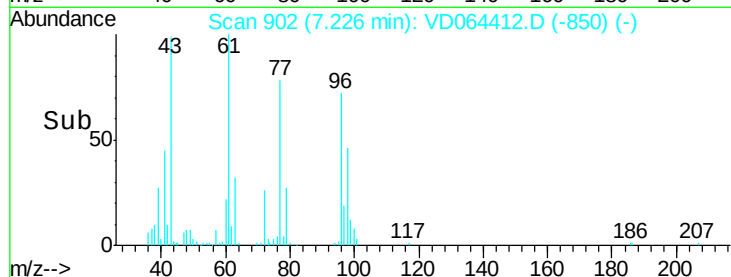
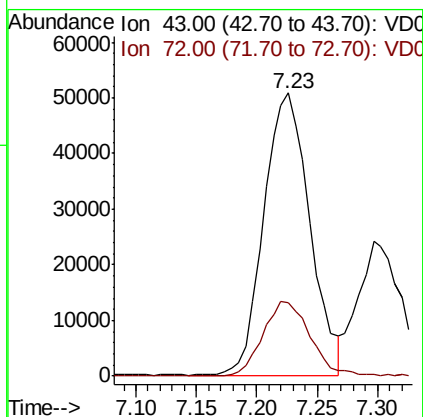
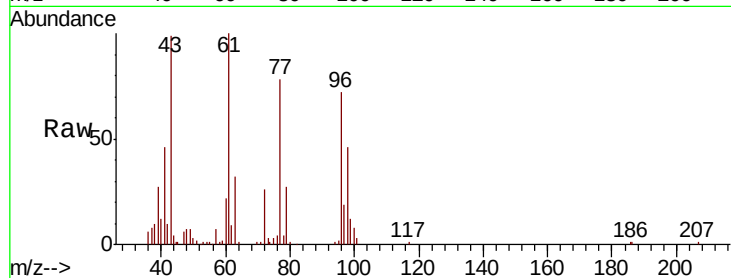
72 26.0 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 22.525 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064412.D

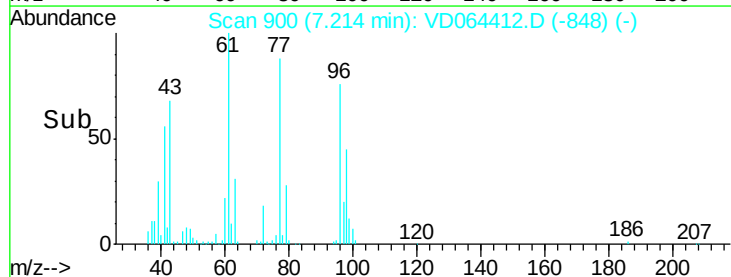
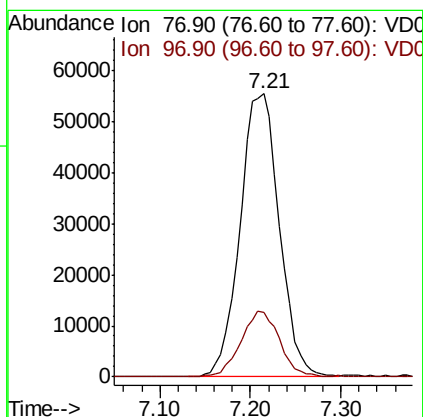
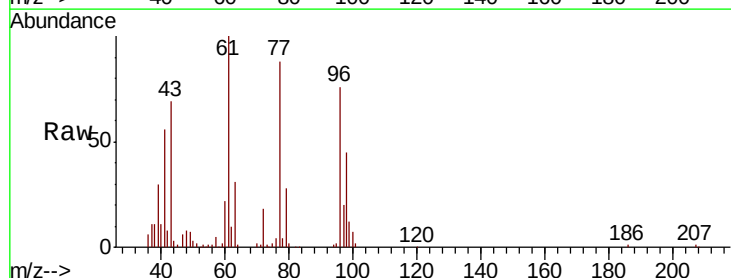
Acq: 04 Dec 2019 12:57

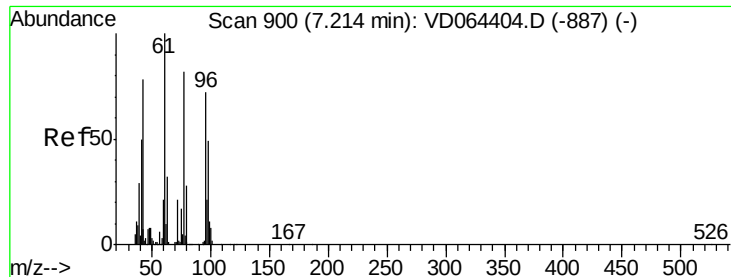
Tgt Ion: 77 Resp: 166848

Ion Ratio Lower Upper

77 100

97 22.8 11.6 34.7





#27

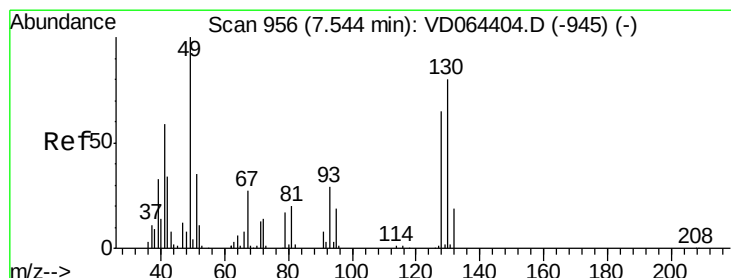
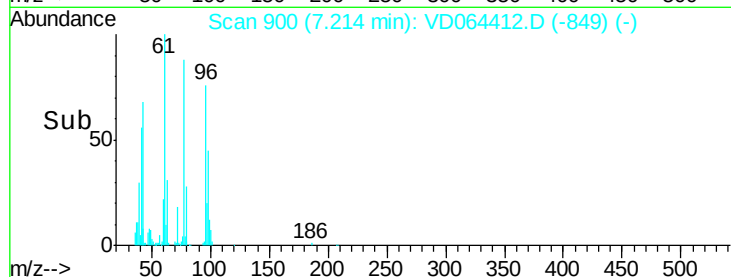
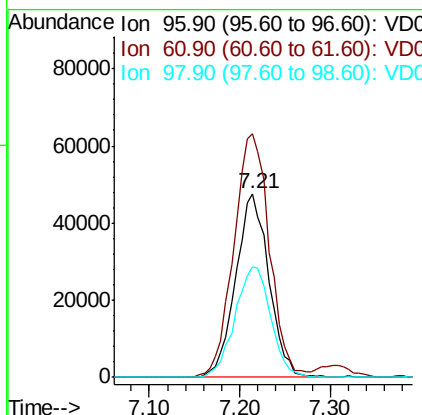
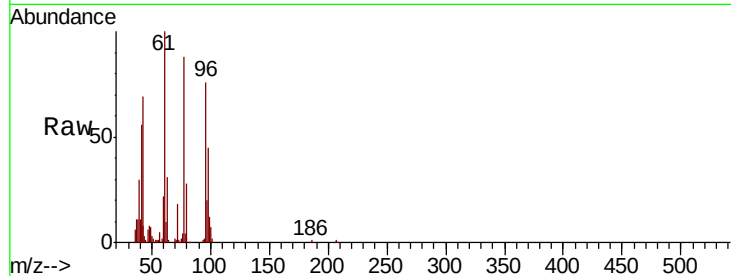
cis-1,2-Dichloroethene
Concen: 21.454 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	279.6
98	64.5	0.0	129.2

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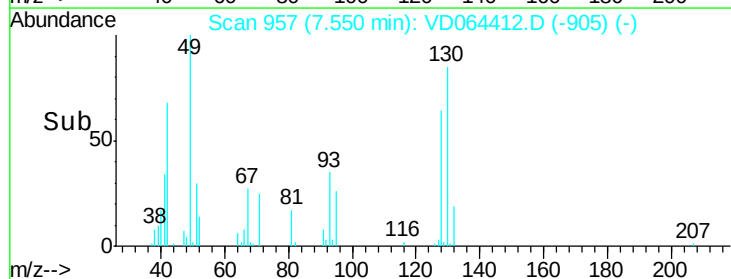
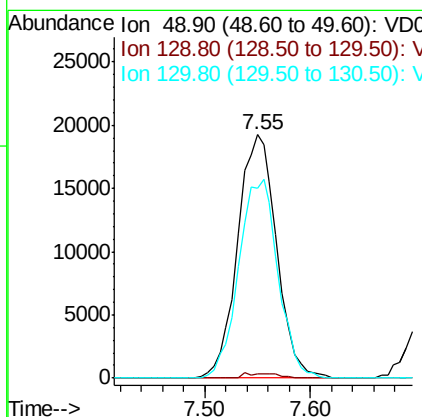
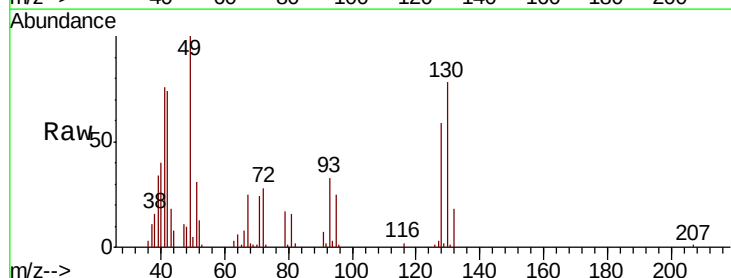
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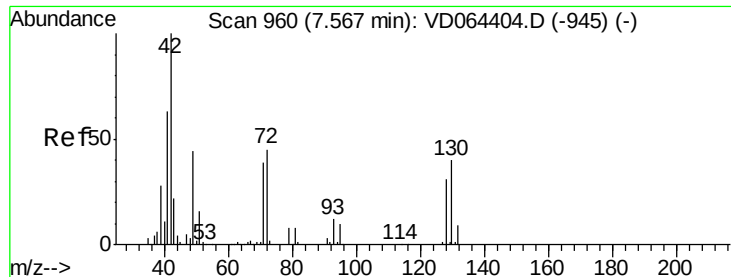


#28

Bromochloromethane
Concen: 16.881 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.4
130	82.6	67.4	101.0





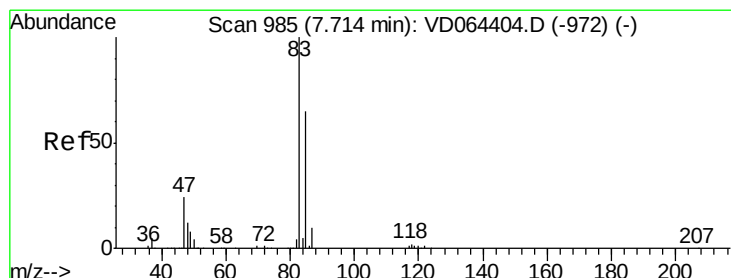
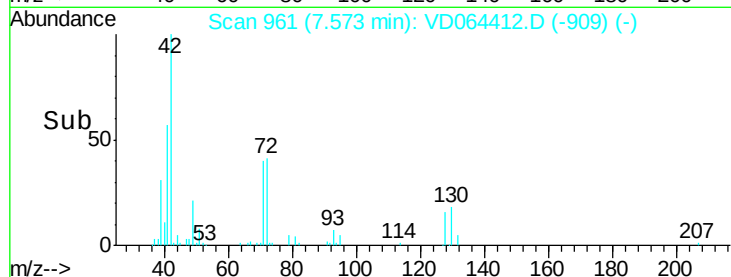
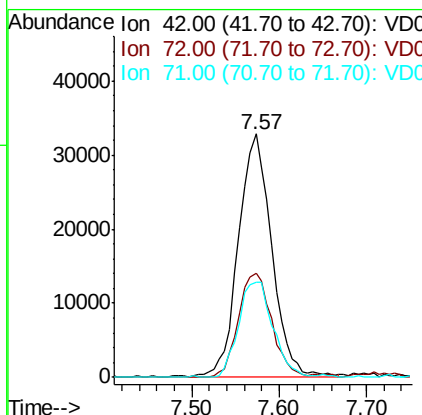
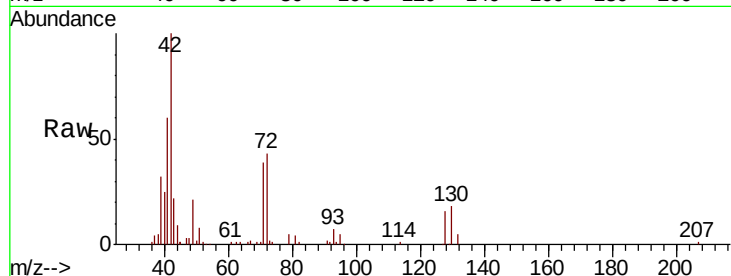
#29
Tetrahydrofuran
Concen: 101.725 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	35.8	53.8
71	40.3	32.7	49.1

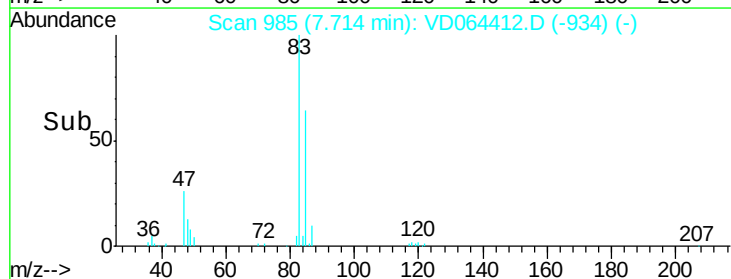
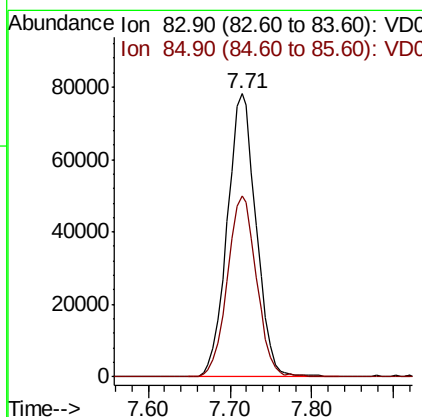
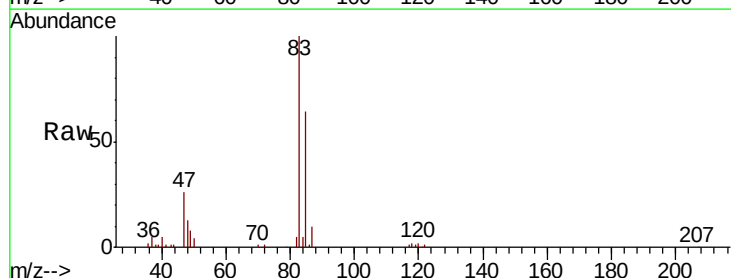
Manual Integrations
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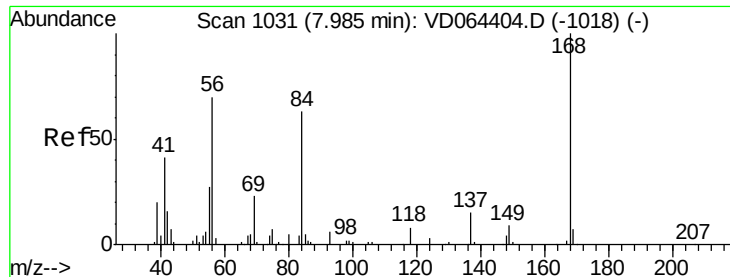
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#30
Chloroform
Concen: 21.758 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.6





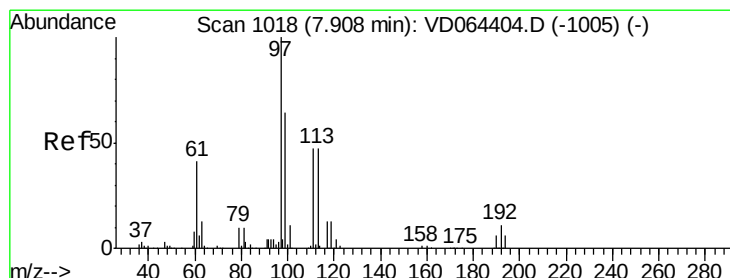
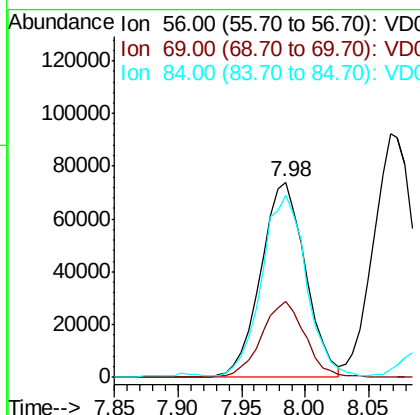
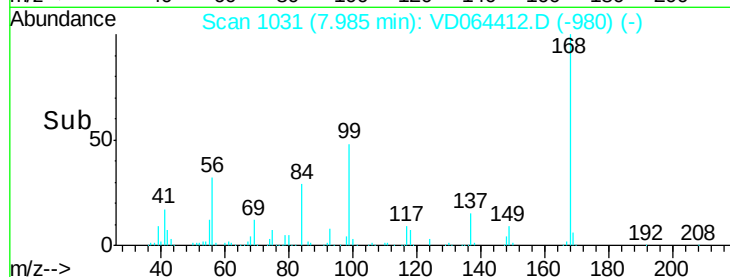
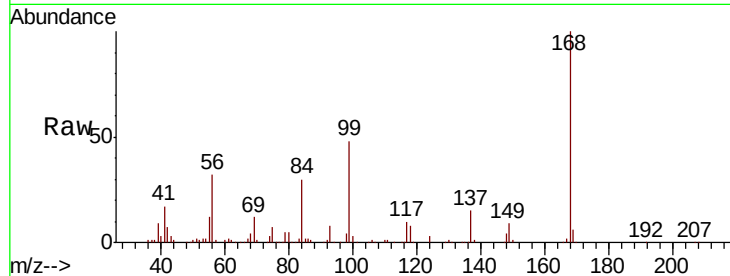
#31
Cyclohexane
Concen: 21.907 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.8	26.2	39.4
84	91.8	70.3	105.5

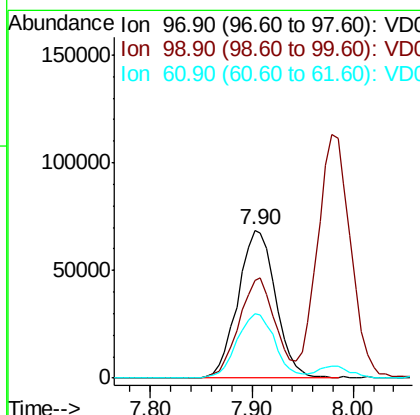
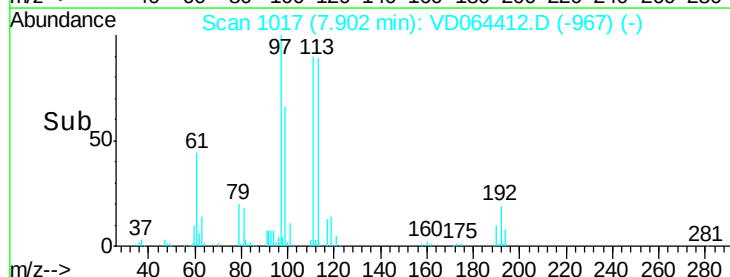
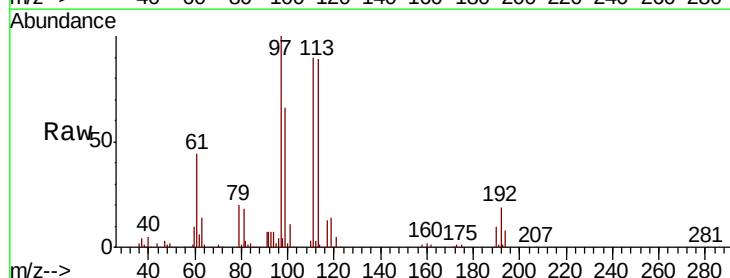
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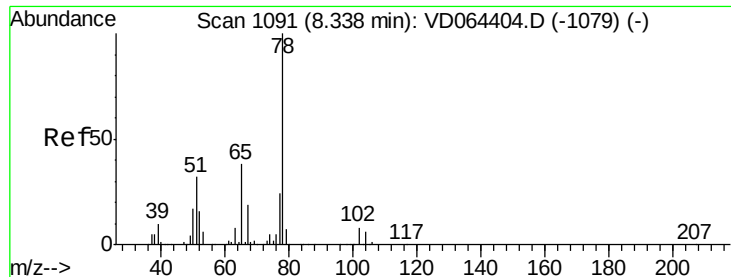
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#32
1,1,1-Trichloroethane
Concen: 21.662 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	51.4	77.2
61	43.7	35.0	52.4





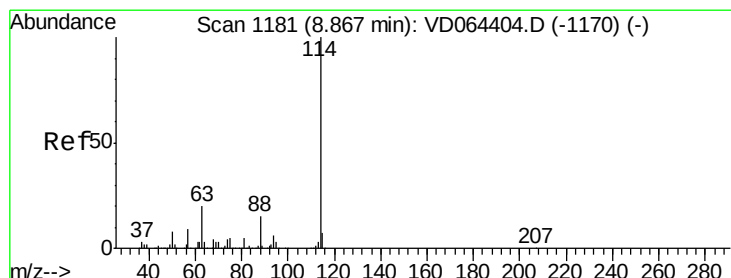
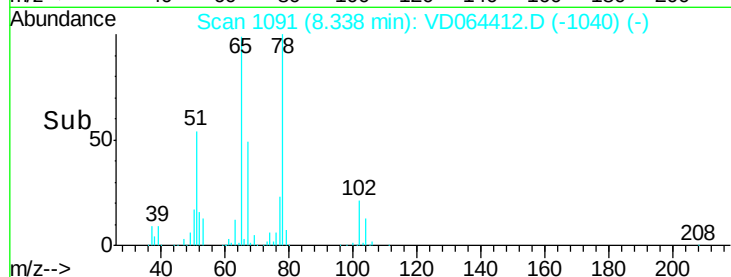
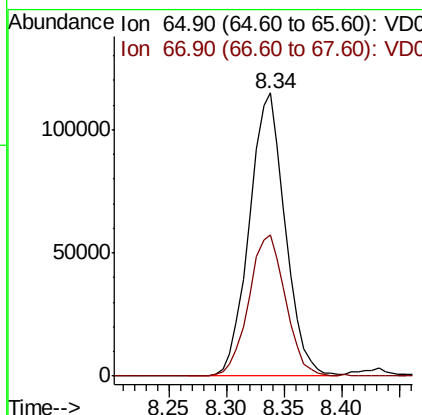
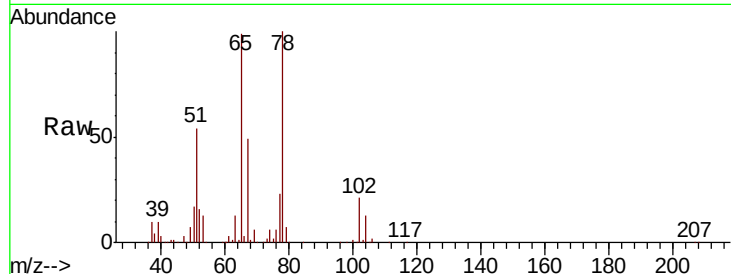
#33
 1,2-Dichloroethane-d4
 Concen: 53.875 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	248714		
67	51.5	0.0	102.0	

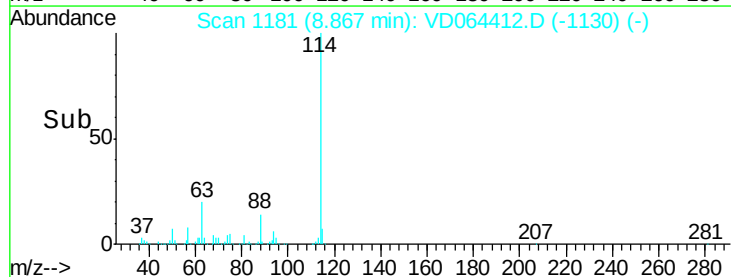
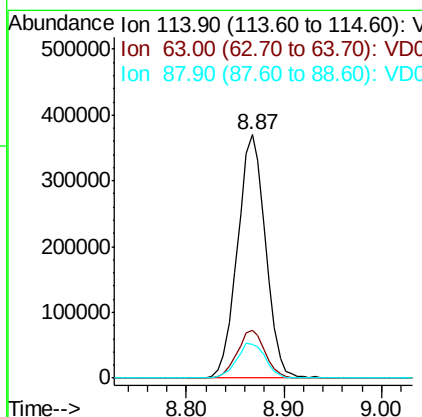
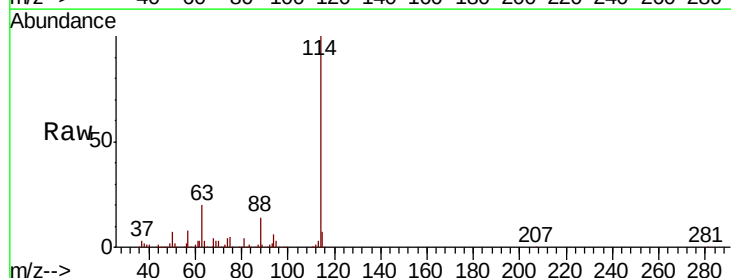
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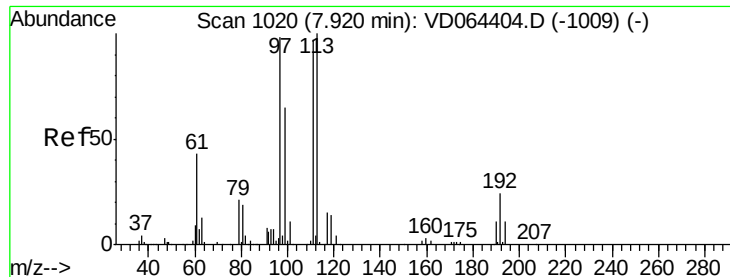
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	741301		
63	19.5	0.0	40.0	
88	13.8	0.0	29.2	





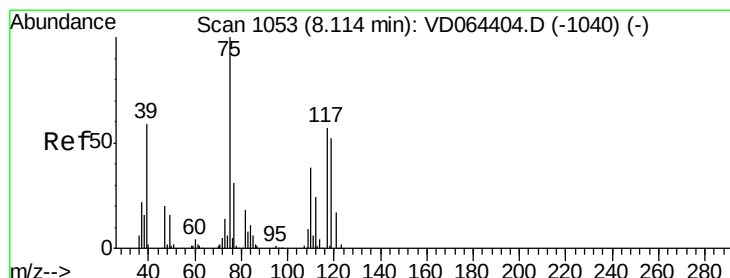
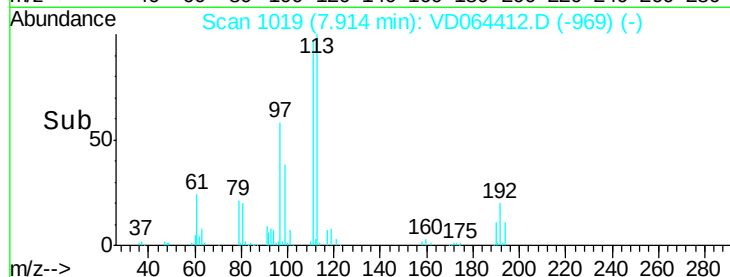
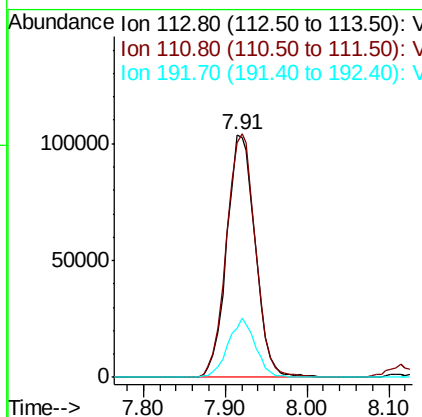
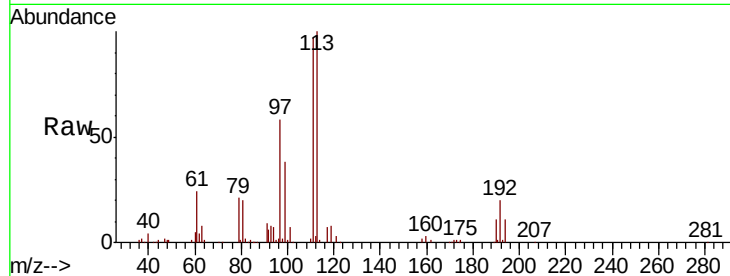
#35
 Dibromofluoromethane
 Concen: 53.973 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	79.4	119.2
192	23.0	18.6	28.0

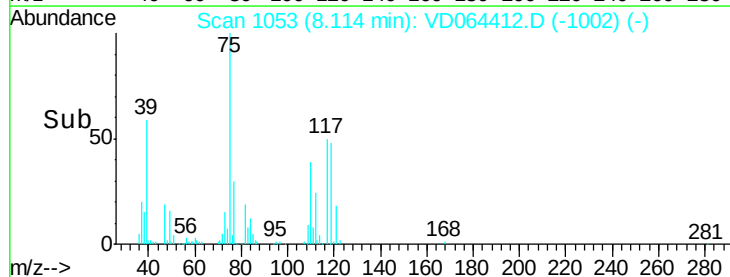
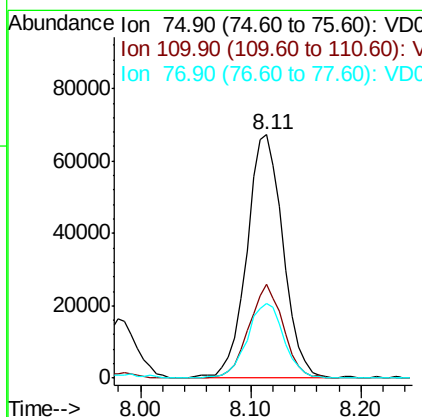
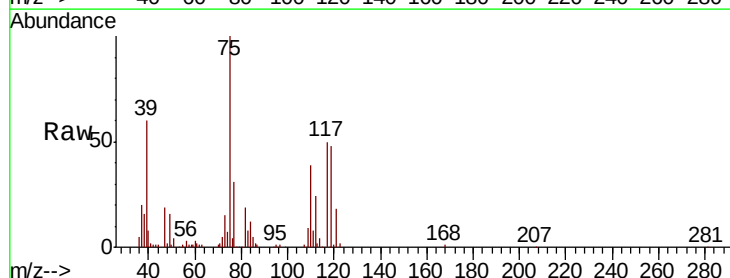
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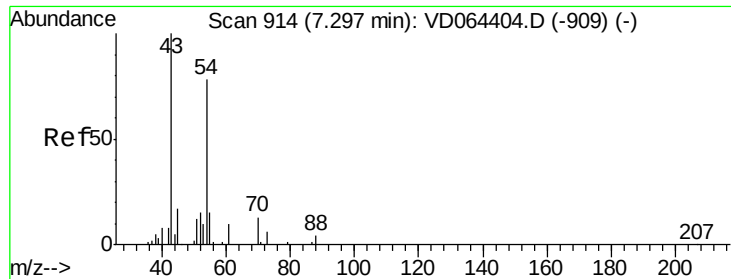
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#36
 1,1-Dichloropropene
 Concen: 22.060 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.6	55.8
77	31.3	25.0	37.4





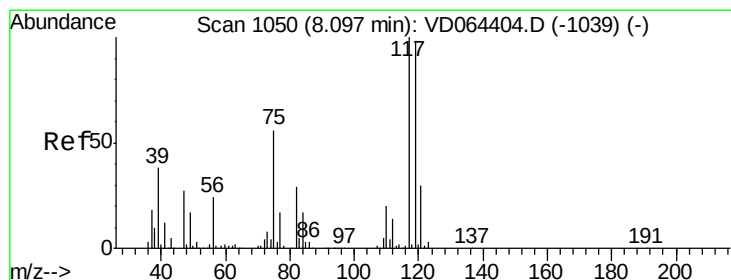
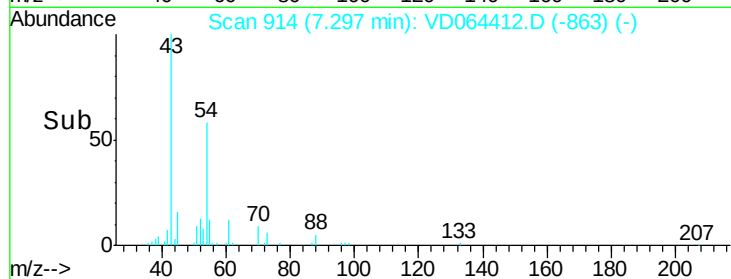
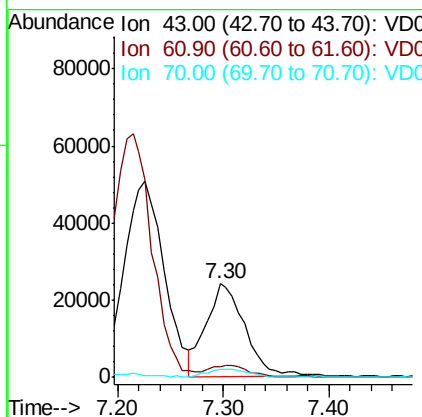
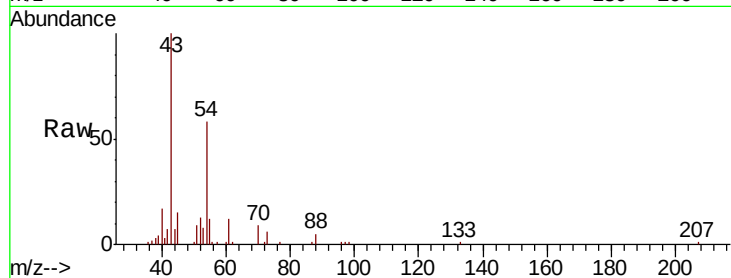
#37
Ethyl Acetate
Concen: 20.651 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.9	16.3
70	9.5	8.3	12.5

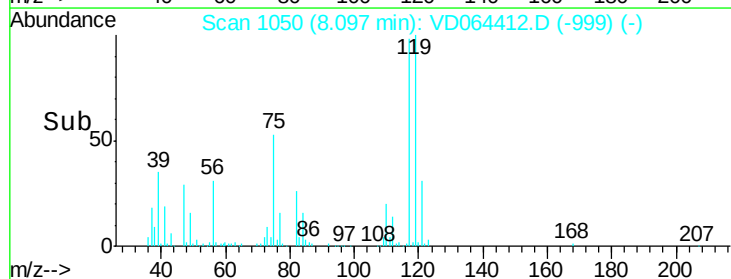
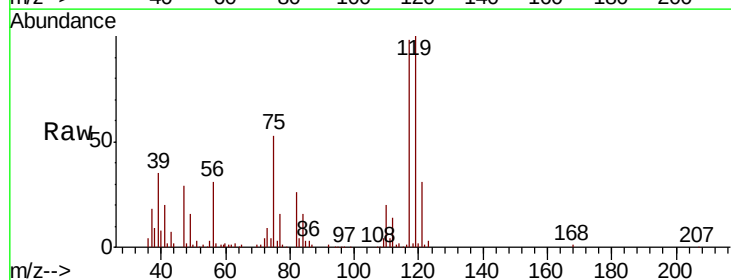
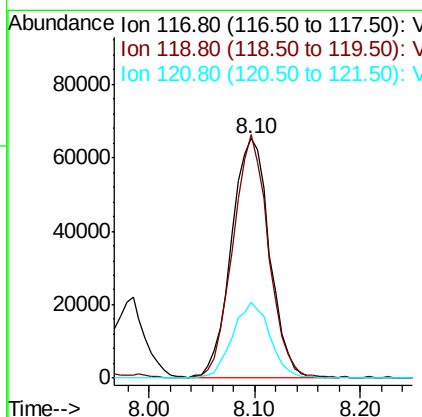
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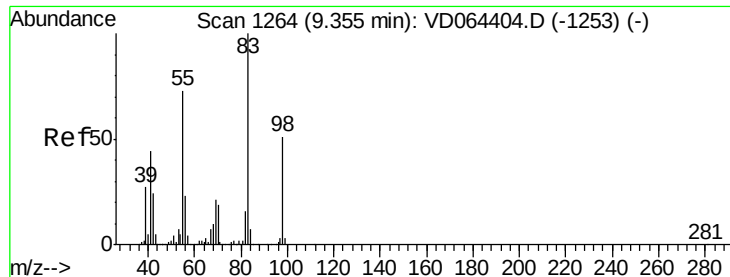
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#38
Carbon Tetrachloride
Concen: 21.961 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.9	78.8	118.2
121	31.6	24.2	36.2





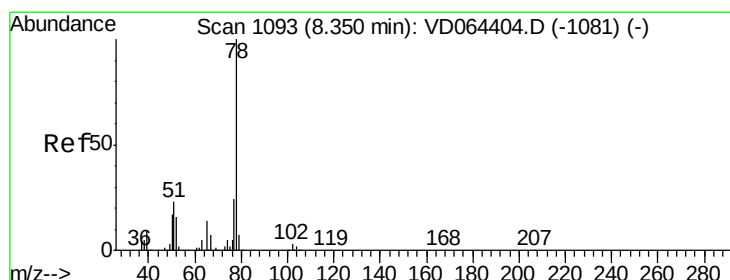
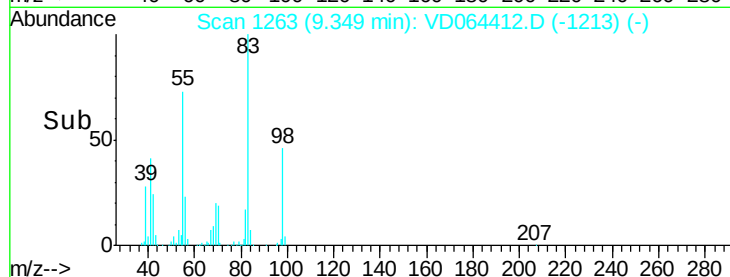
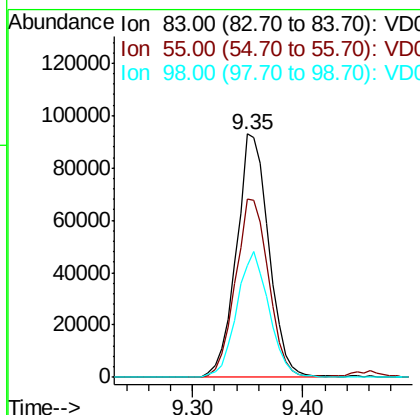
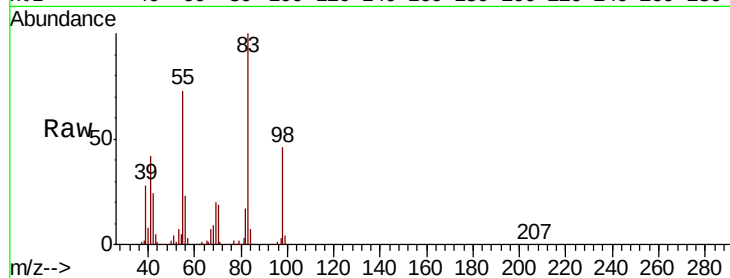
#39
Methylvlcyclohexane
Concen: 22.132 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.3	58.6	87.8
98	45.9	40.9	61.3

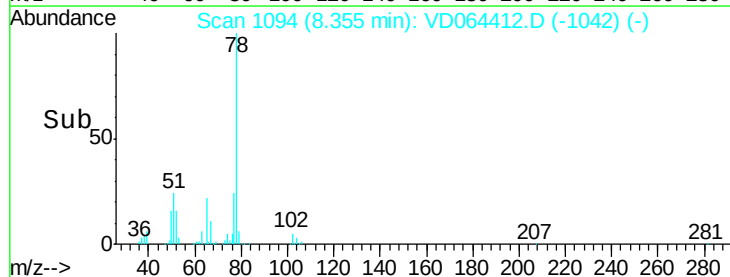
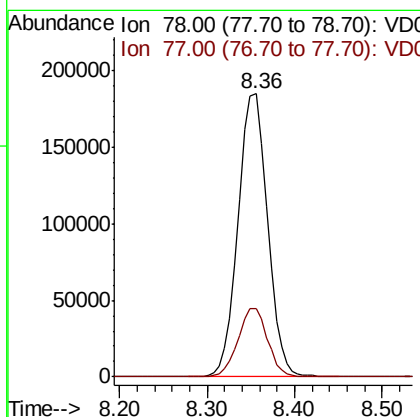
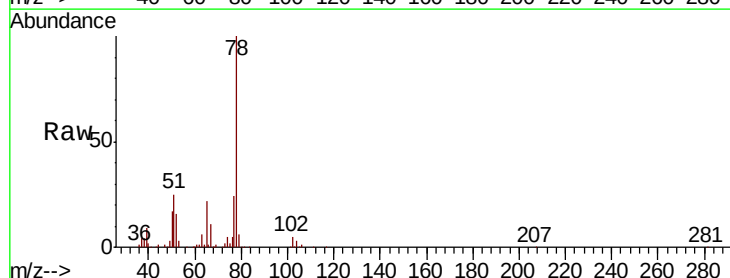
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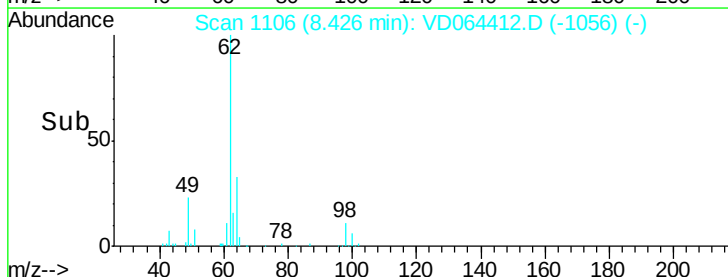
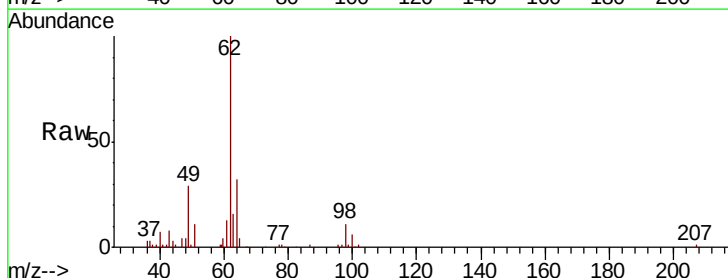
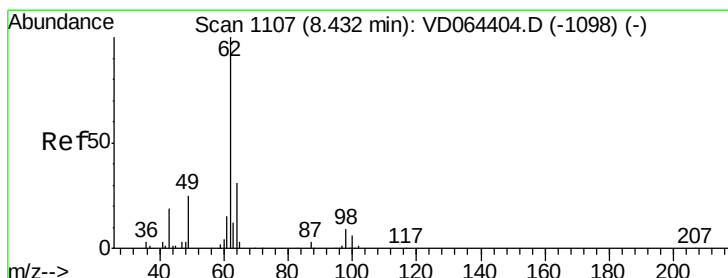
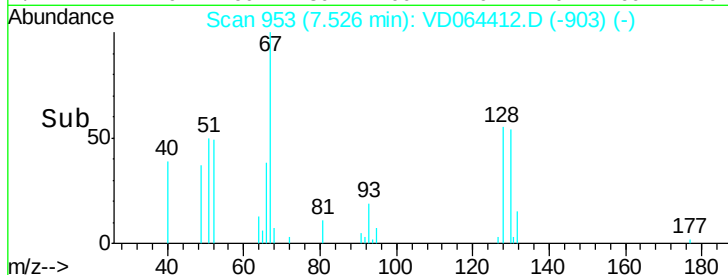
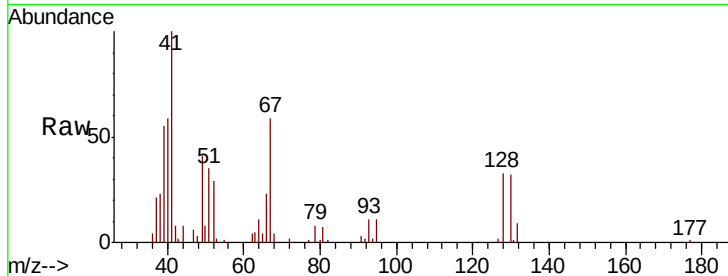
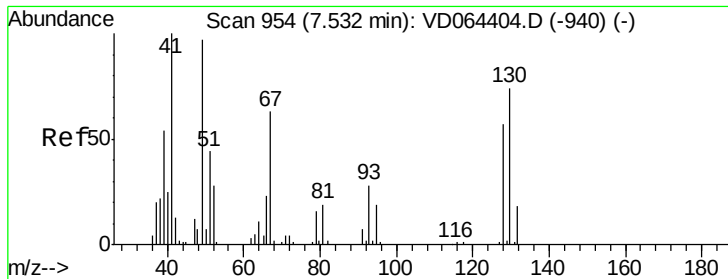
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#40
Benzene
Concen: 21.733 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.6	29.4





#41

Methacrylonitrile

Concen: 20.134 ug/l

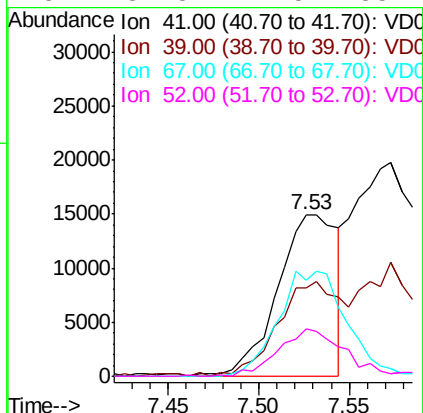
RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100			
39	39	63.8	44.6	67.0	
67	67	74.4	50.9	76.3	
52	52	32.8	22.5	33.7	



Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Manual Integrations
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12/5/2019 2:59:04 PM

#42

1,2-Dichloroethane

Concen: 21.183 ug/l

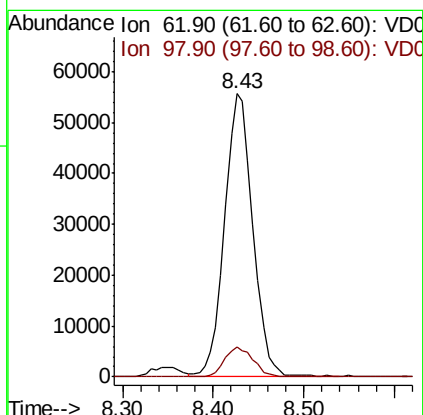
RT: 8.43 min Scan# 1106

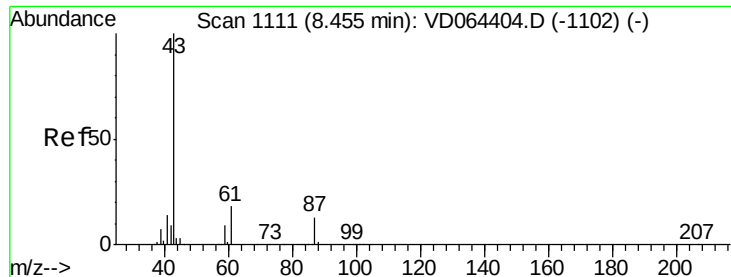
Delta R.T. -0.01 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100			
98	98	10.7	0.0	20.6	





#43

Isopropyl Acetate

Concen: 21.076 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

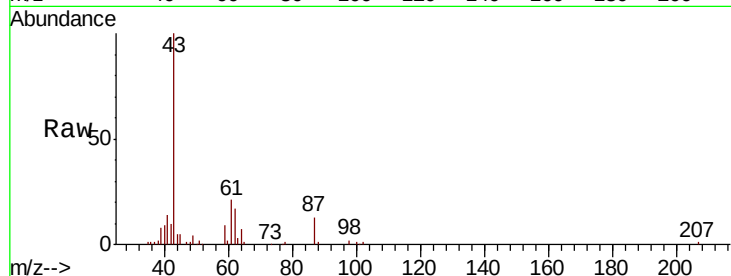
ClientSampleId :

VD1204SBS01

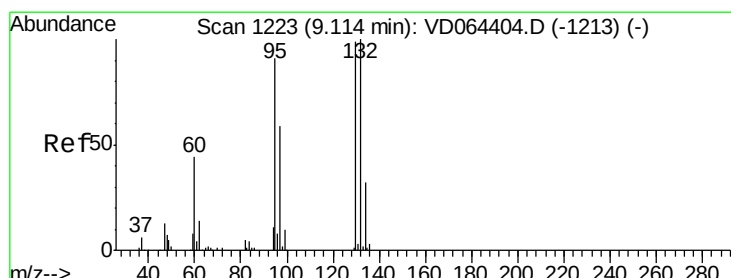
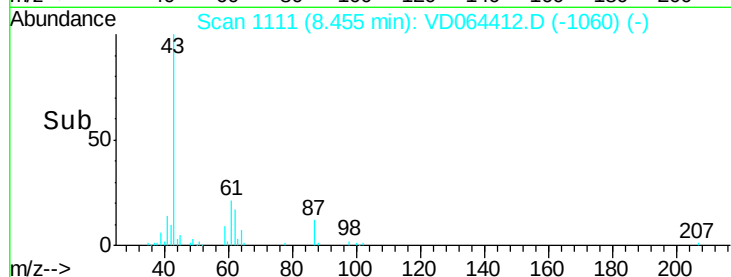
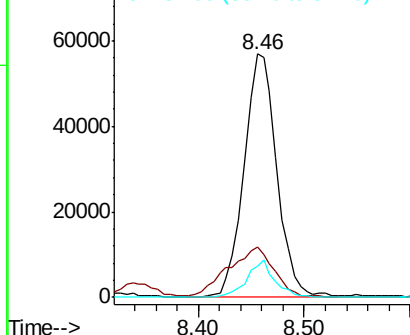
Tot Ion:	43	Resp:	123290
Ion	Ratio	Lower	Upper
43	100		
61	29.0	24.0	36.0
87	12.8	10.6	15.8

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Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.905 ug/l

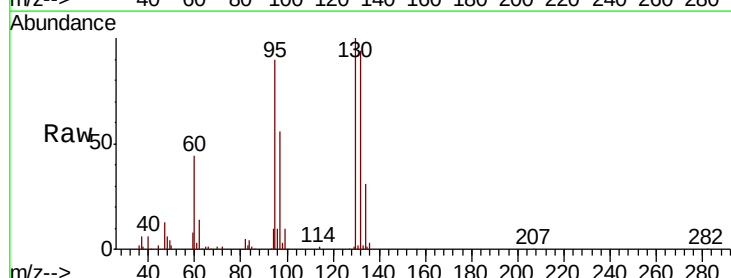
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

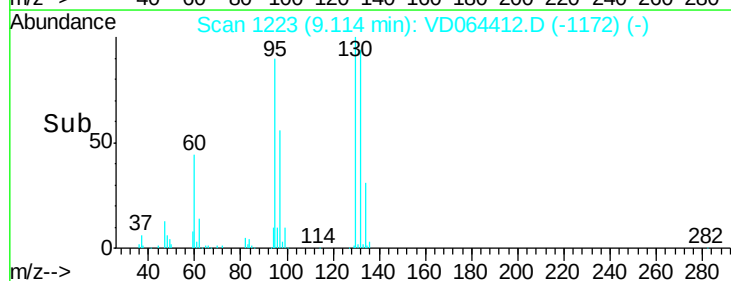
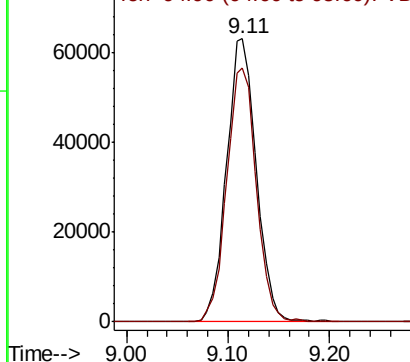
Lab File: VD064412.D

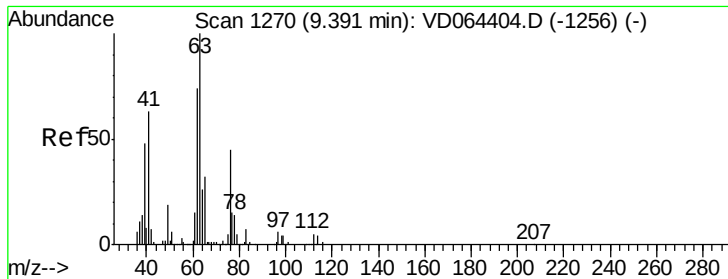
Acq: 04 Dec 2019 12:57

Tgt Ion:	130	Resp:	128498
Ion	Ratio	Lower	Upper
130	100		
95	89.6	0.0	184.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





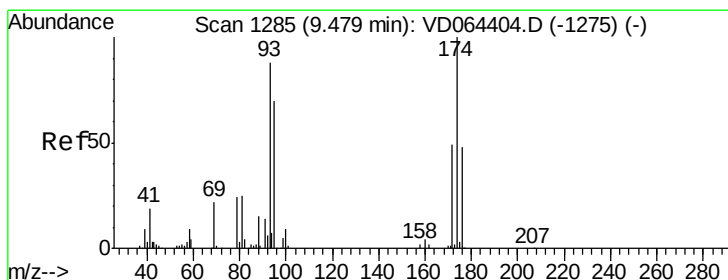
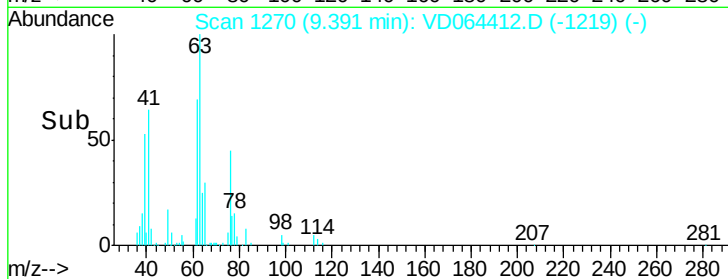
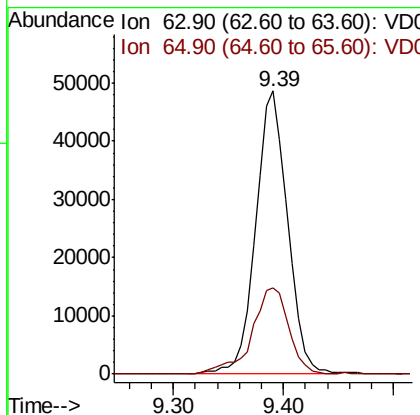
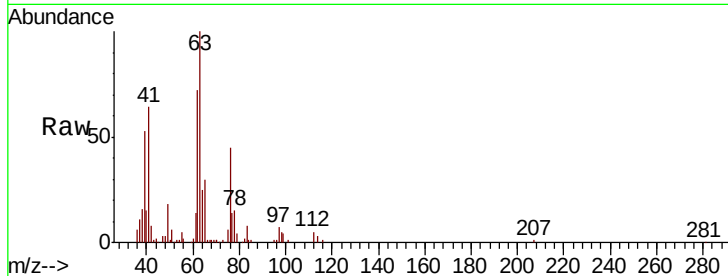
#45
 1,2-Dichloropropane
 Concen: 21.112 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.4	38.0

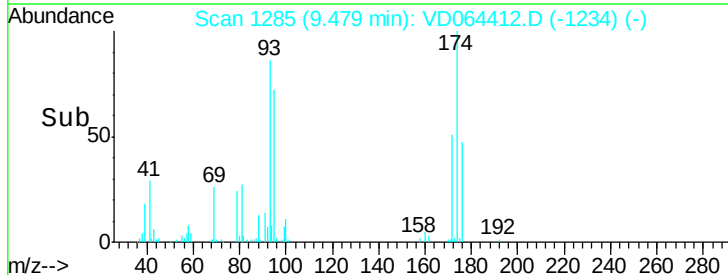
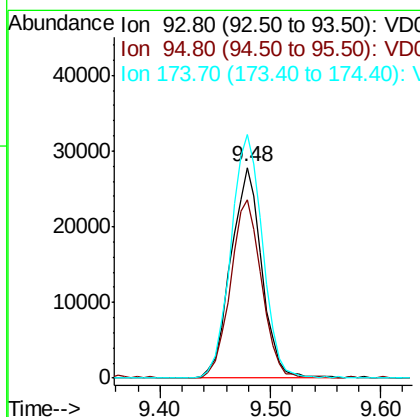
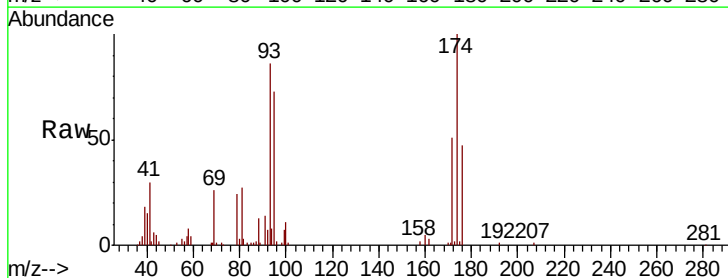
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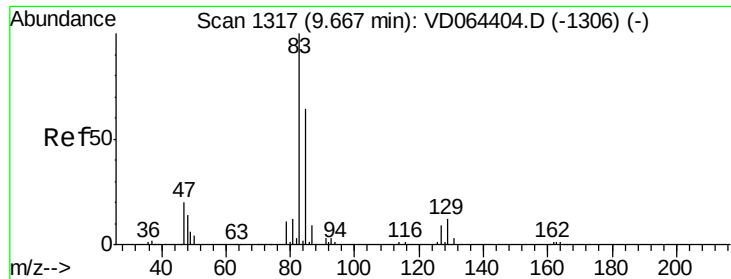
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#46
 Dibromomethane
 Concen: 20.821 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.0	66.7	100.1
174	117.9	92.3	138.5





#47

Bromodichloromethane

Concen: 21.701 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

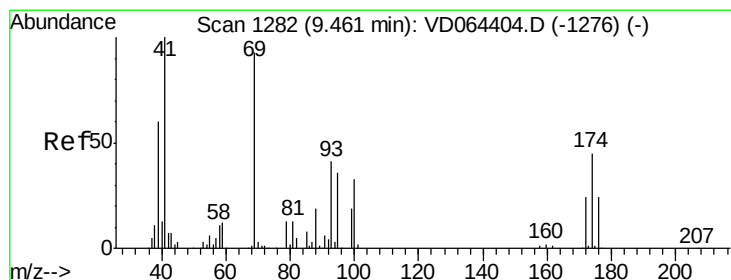
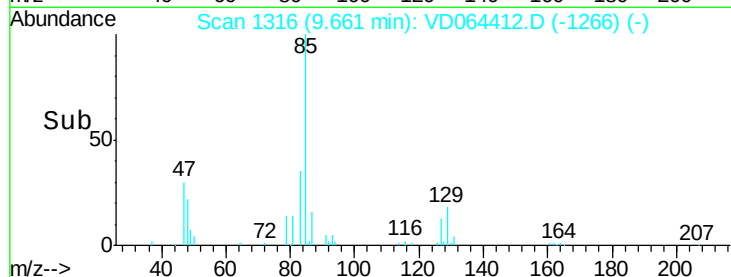
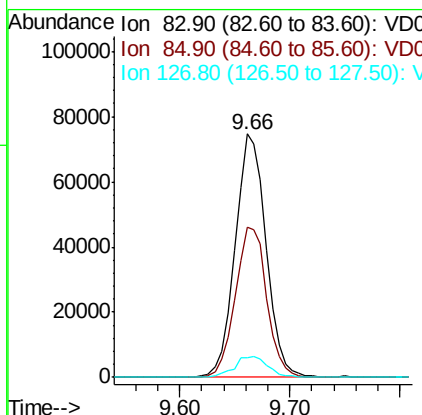
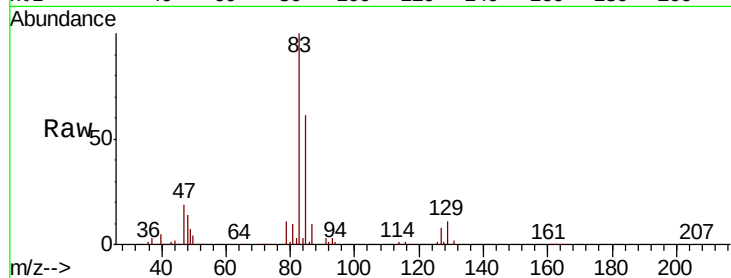
ClientSampleId :

VD1204SBSD01

Tot Ion:	83	Resp:	146576
Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.1	76.7
127	8.1	7.4	11.0

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#48

Methyl methacrylate

Concen: 20.633 ug/l

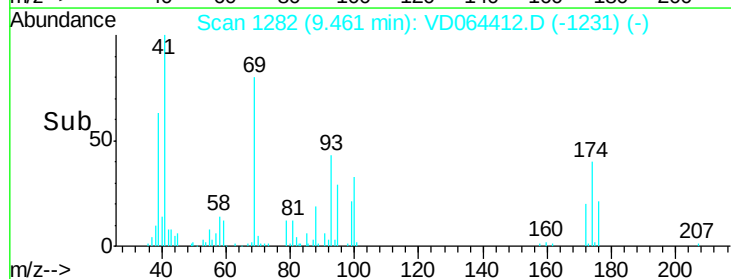
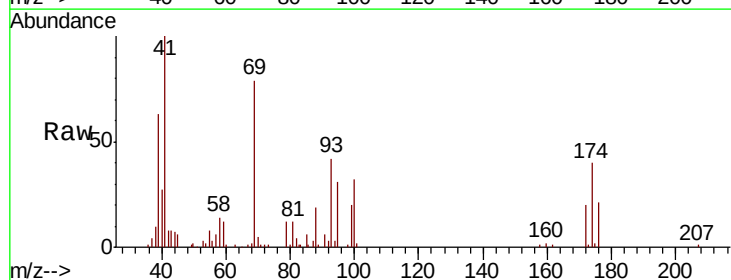
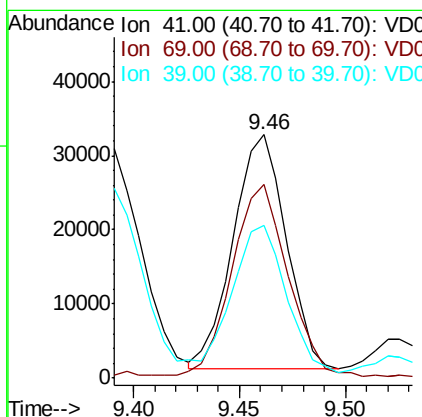
RT: 9.46 min Scan# 1282

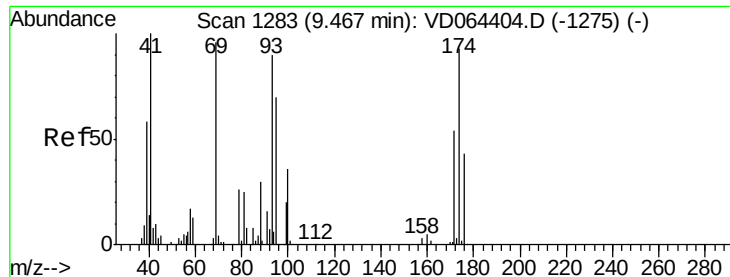
Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Tgt Ion:	41	Resp:	55231
Ion	Ratio	Lower	Upper
41	100		
69	86.6	72.0	108.0
39	67.9	55.2	82.8





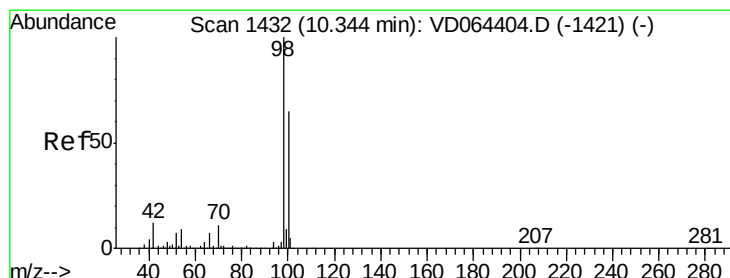
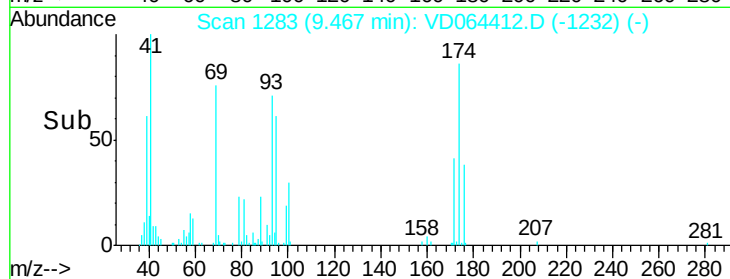
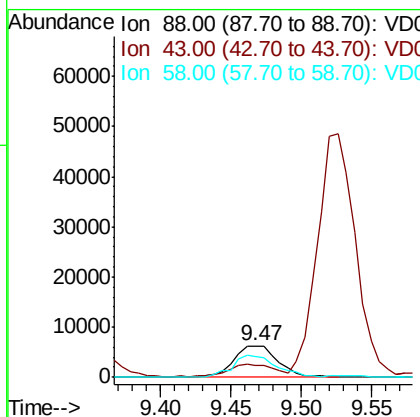
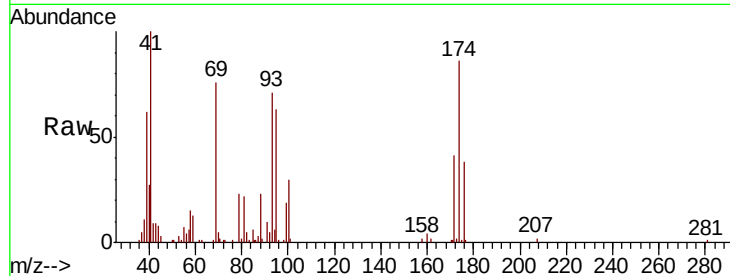
#49
1,4-Dioxane
Concen: 425.784 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.3	26.7	40.1#
58	68.2	52.3	78.5

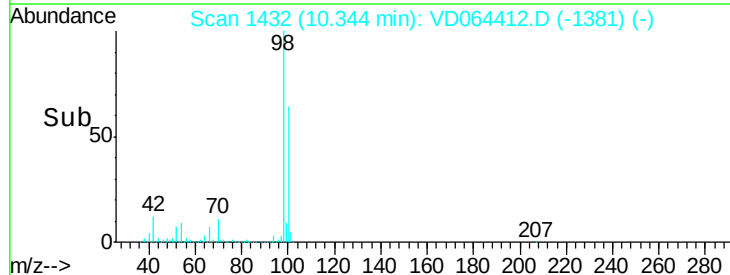
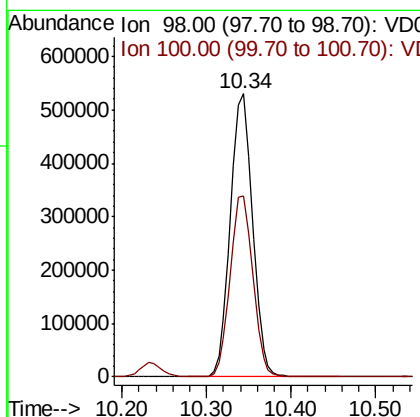
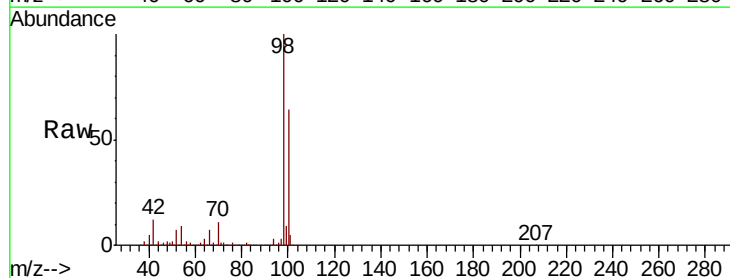
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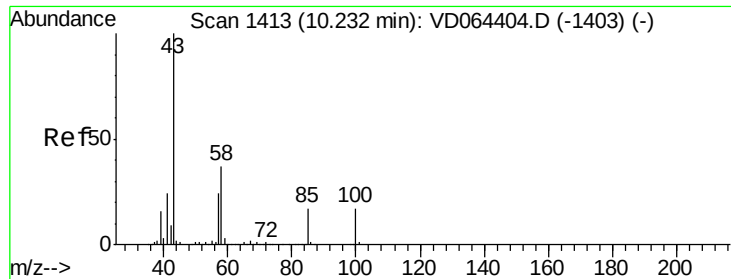
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#50
Toluene-d8
Concen: 54.697 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	79.0





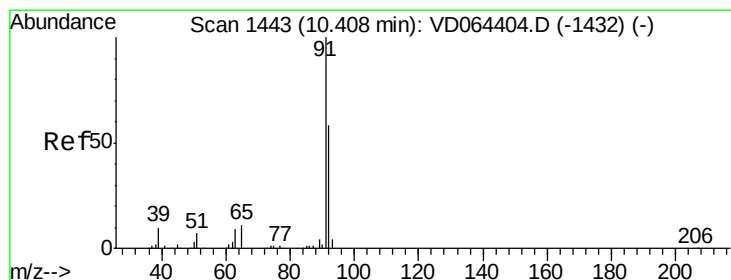
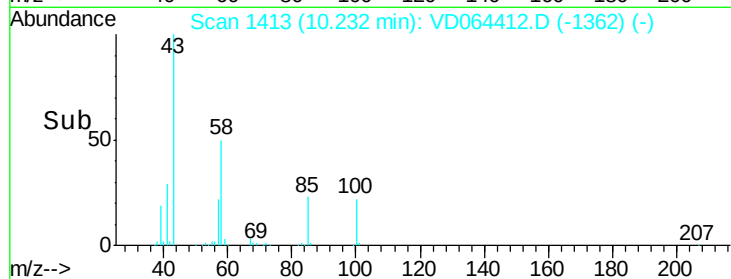
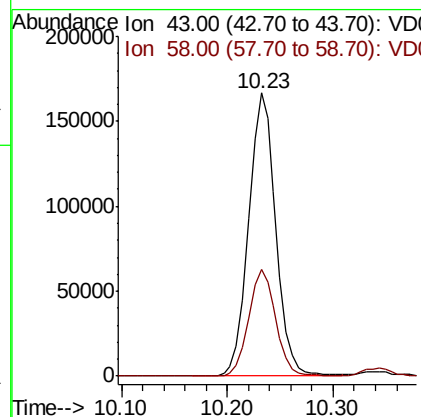
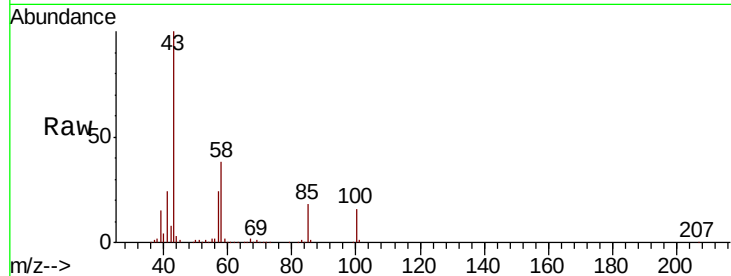
#51
 4-Methyl-2-Pentanone
 Concen: 102.639 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1204SBSD01

Tot Ion	43	Resp	297083
Ion Ratio	43	100	
Lower	58	37.5	30.6
Upper			46.0

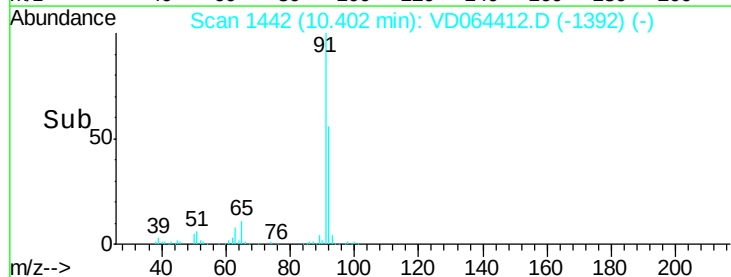
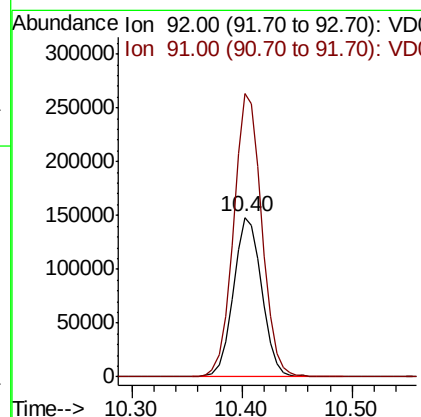
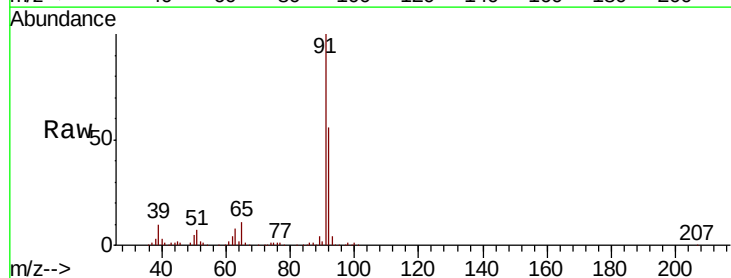
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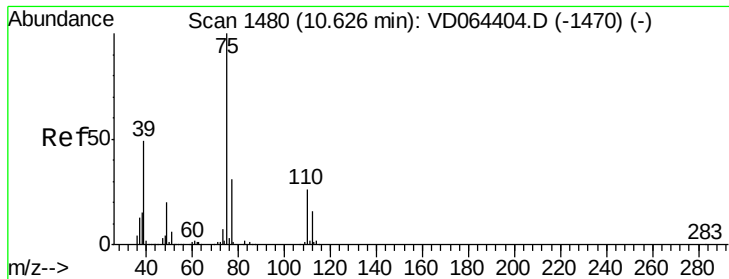
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#52
 Toluene
 Concen: 21.117 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Tgt Ion	92	Resp	268008
Ion Ratio	92	100	
Lower	91	176.8	137.8
Upper			206.6





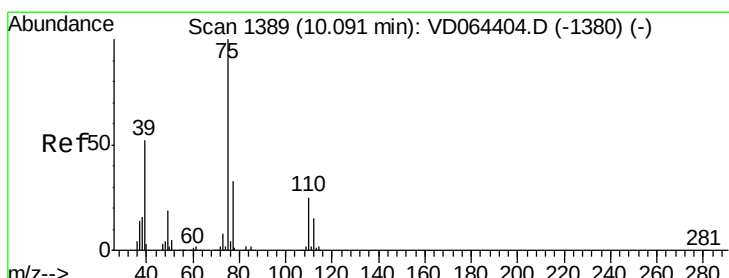
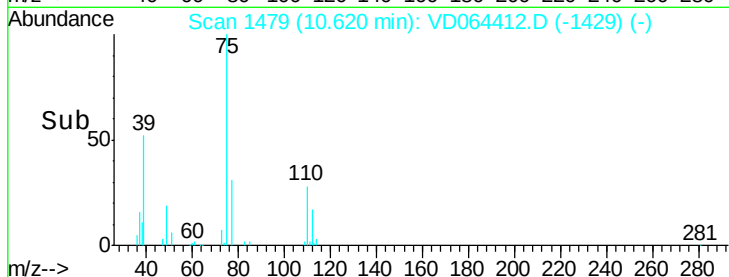
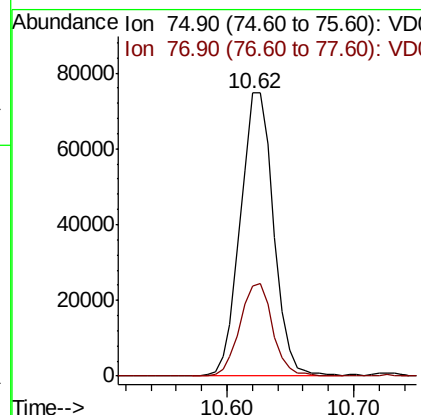
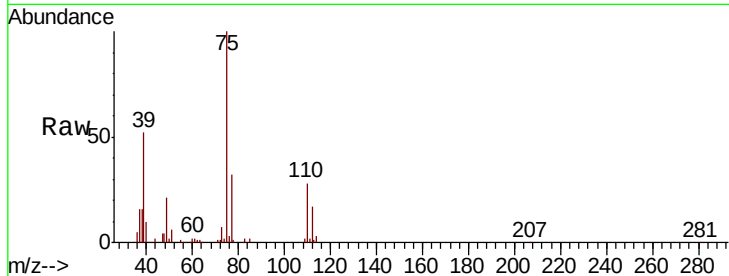
#53
 t-1,3-Dichloropropene
 Concen: 21.119 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.4

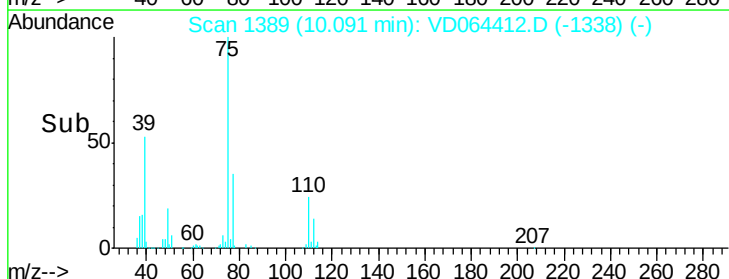
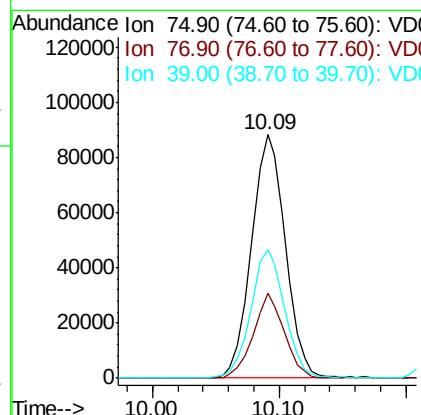
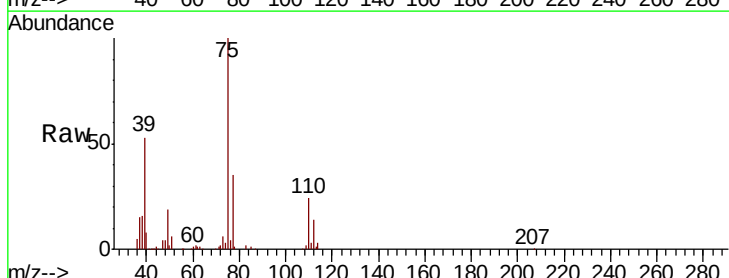
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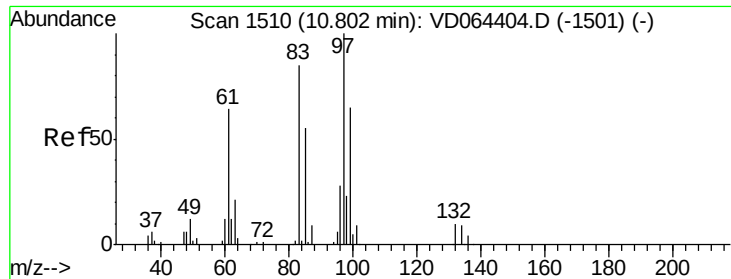
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#54
 cis-1,3-Dichloropropene
 Concen: 21.460 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.6	26.1	39.1
39	52.9	41.5	62.3





#55

1,1,2-Trichloroethane

Concen: 20.694 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBSD01

Tot Ion: 97 Resp: 74485

Ion Ratio Lower Upper

97 100

83 88.2 67.8 101.8

85 58.6 43.7 65.5

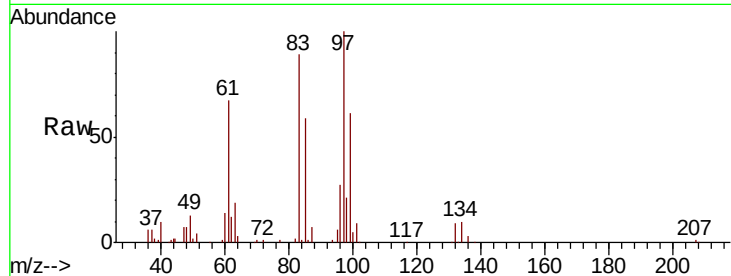
99 61.4 51.7 77.5

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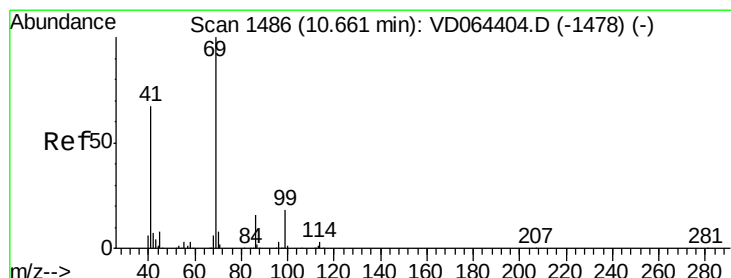
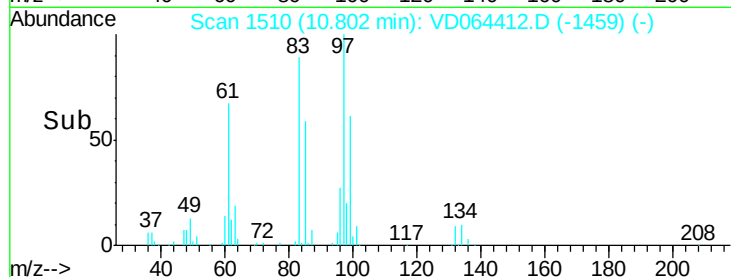
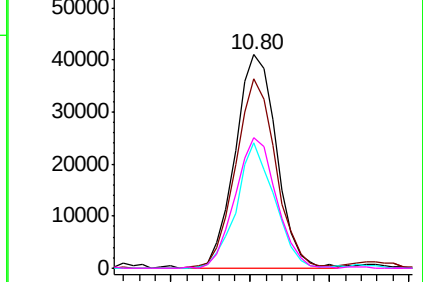


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 20.355 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

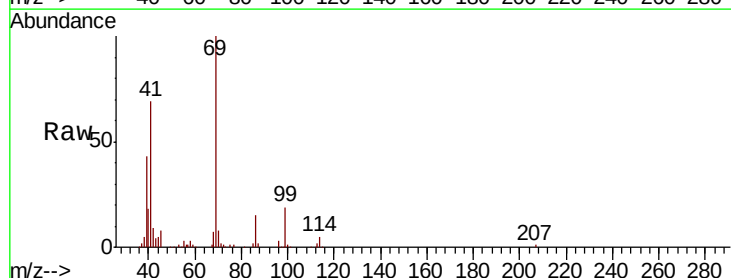
Tgt Ion: 69 Resp: 93444

Ion Ratio Lower Upper

69 100

41 70.3 55.0 82.4

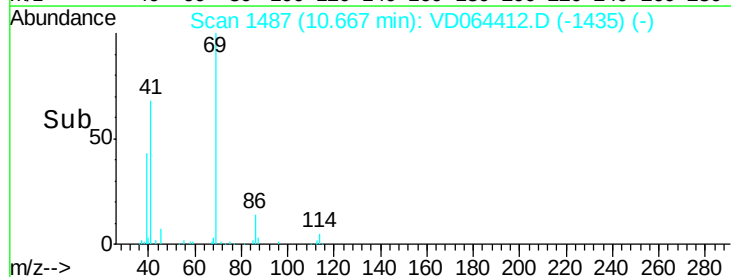
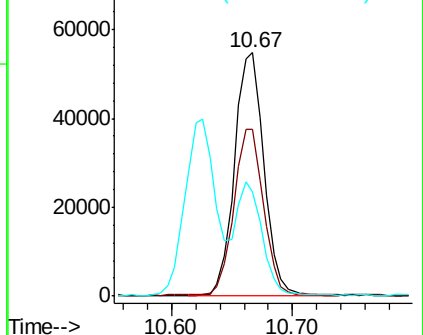
39 43.4 33.0 49.6

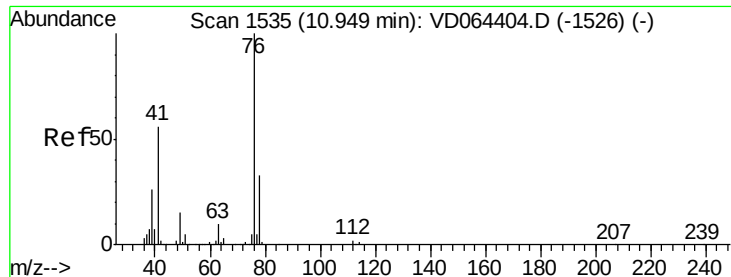


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 21.083 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBSD01

Tot Ion: 76 Resp: 129178

Ion Ratio Lower Upper

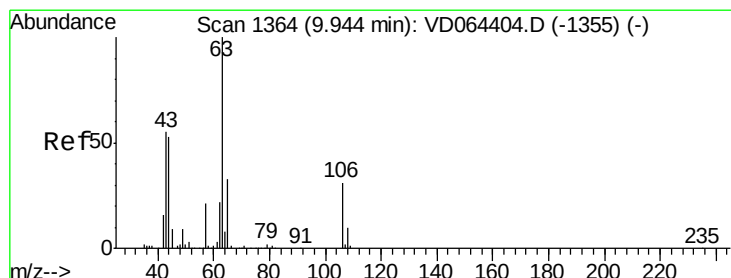
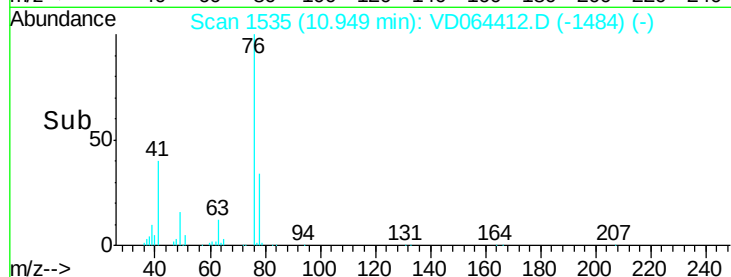
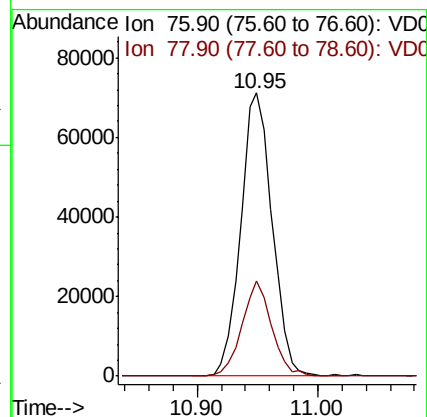
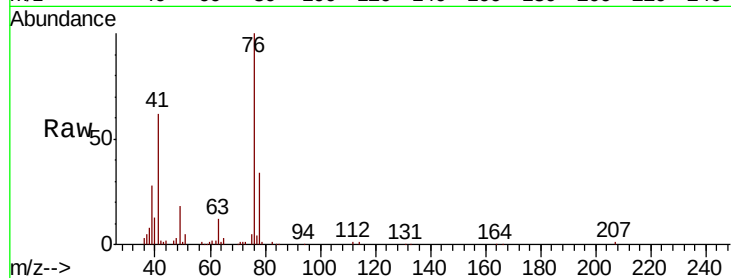
76 100

78 31.7 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 103.681 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064412.D

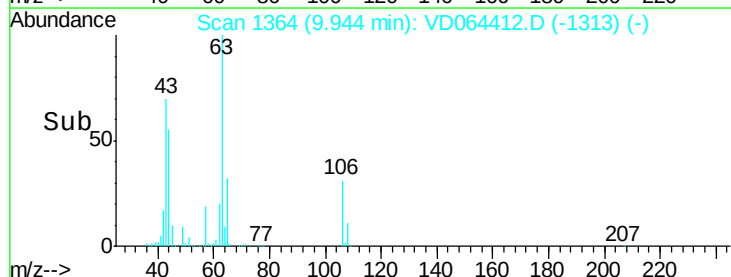
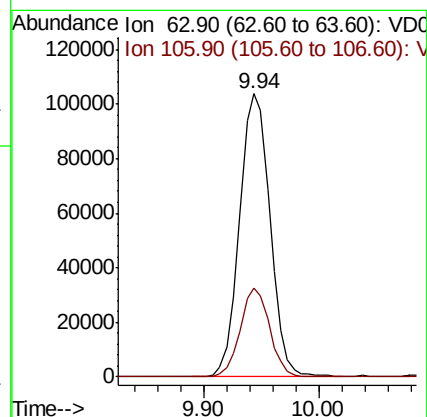
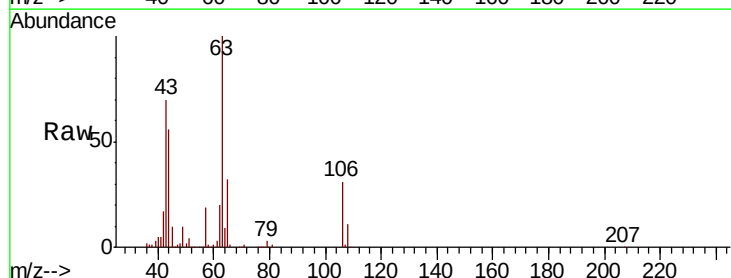
Acq: 04 Dec 2019 12:57

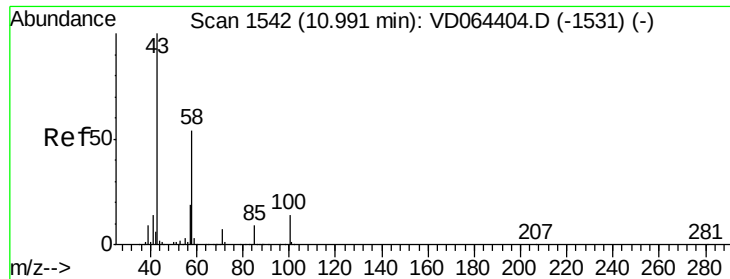
Tgt Ion: 63 Resp: 189744

Ion Ratio Lower Upper

63 100

106 30.3 24.2 36.4





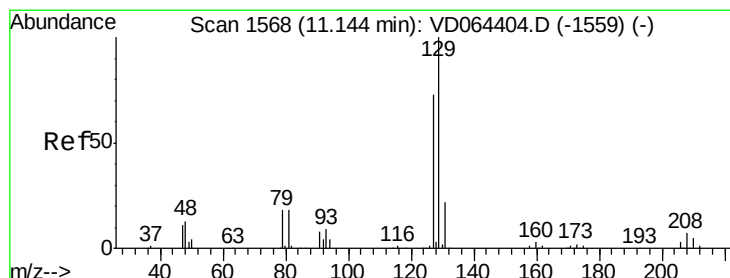
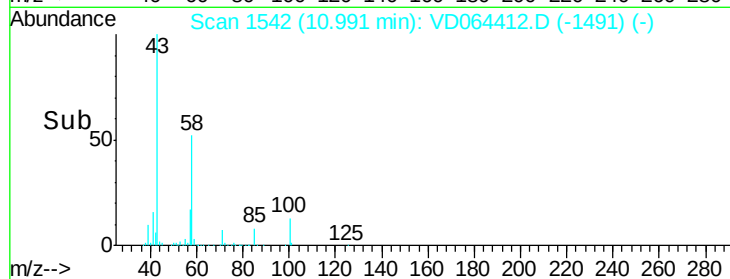
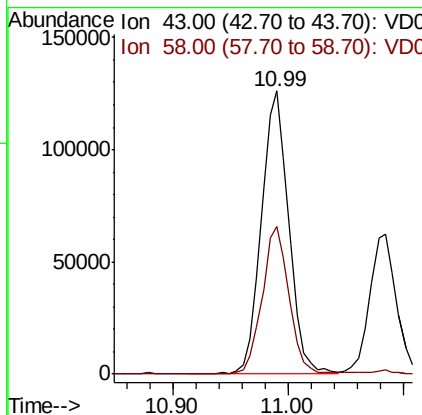
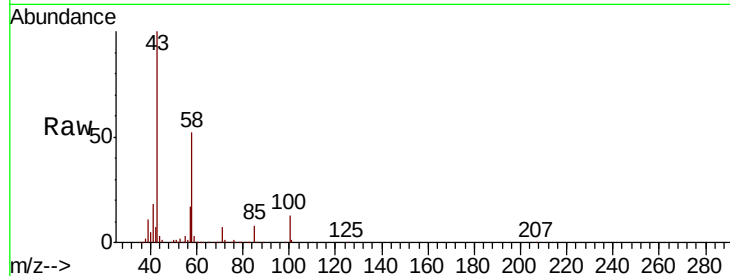
#59
2-Hexanone
Concen: 103.859 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

Tot Ion: 43 Resp: 208593
Ion Ratio Lower Upper
43 100
58 51.5 26.3 78.8

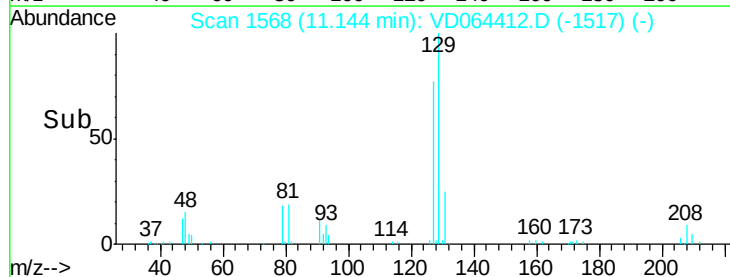
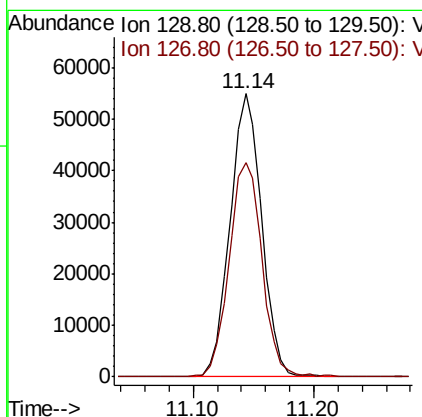
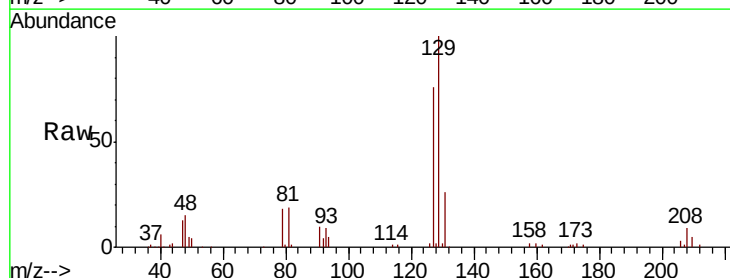
Manual Integrations
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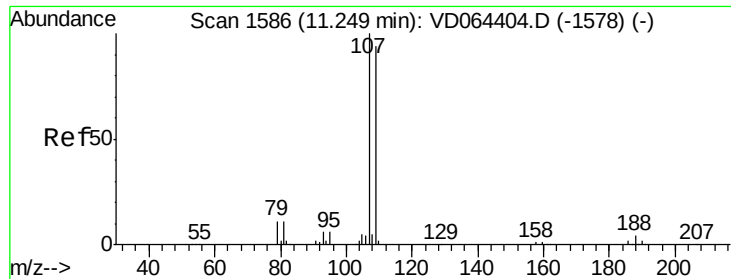
apatel
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#60
Dibromochloromethane
Concen: 20.459 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion: 129 Resp: 99844
Ion Ratio Lower Upper
129 100
127 79.1 38.1 114.3





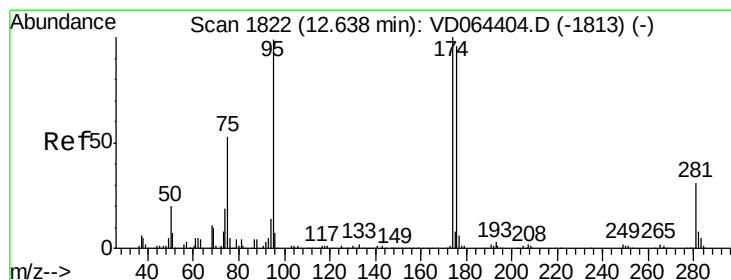
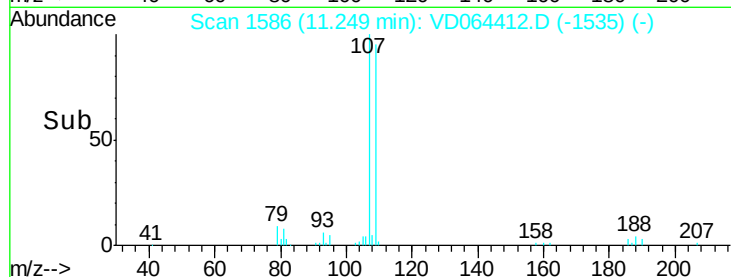
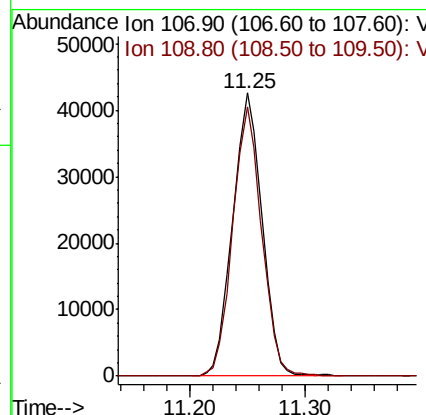
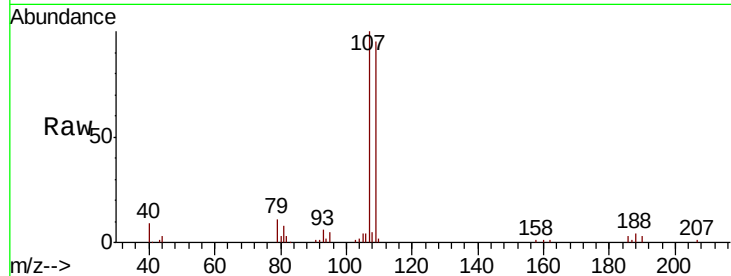
#61
 1,2-Dibromoethane
 Concen: 20.920 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	76.2	114.2

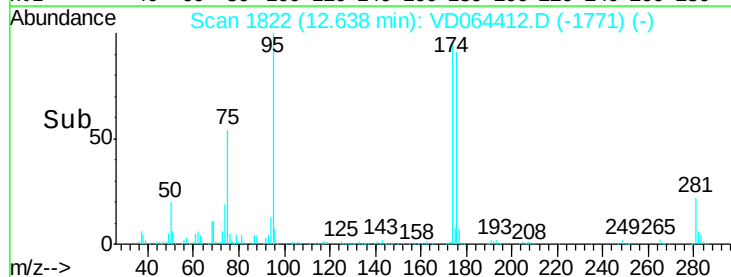
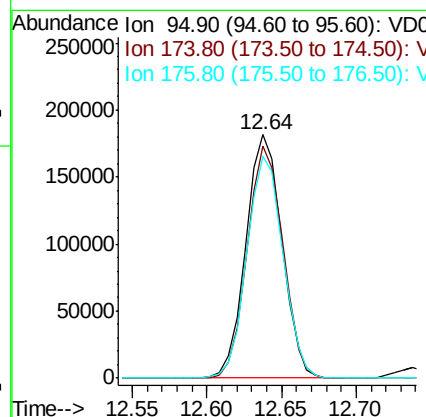
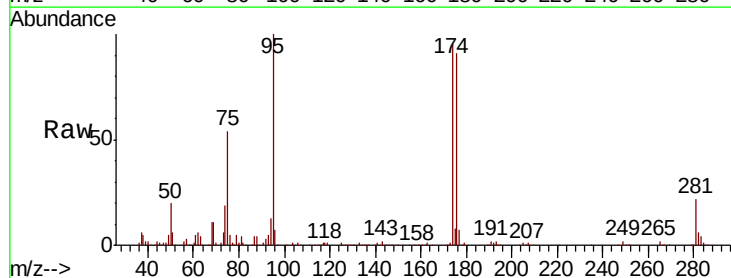
Manual Integrations
 APPROVED

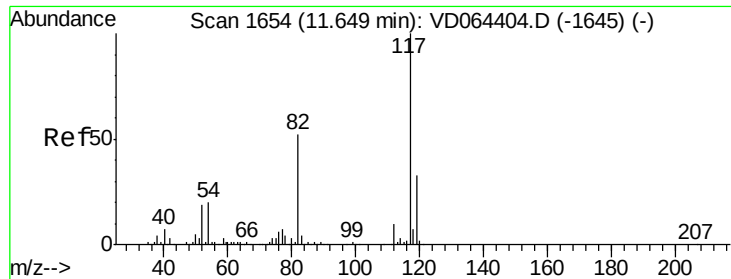
apatel
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#62
 4-Bromofluorobenzene
 Concen: 53.624 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.3	0.0	197.2
176	91.5	0.0	189.6





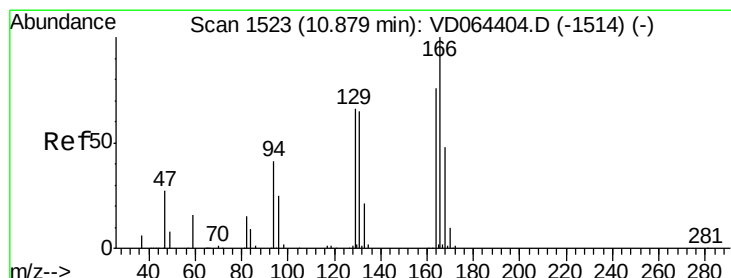
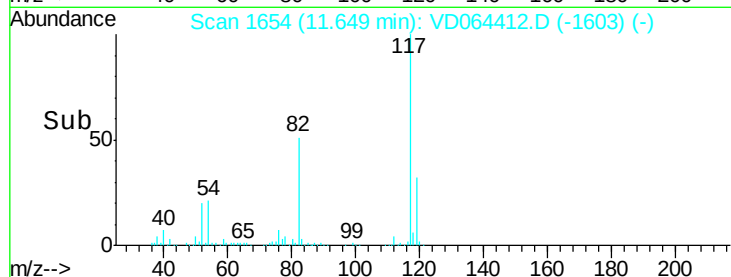
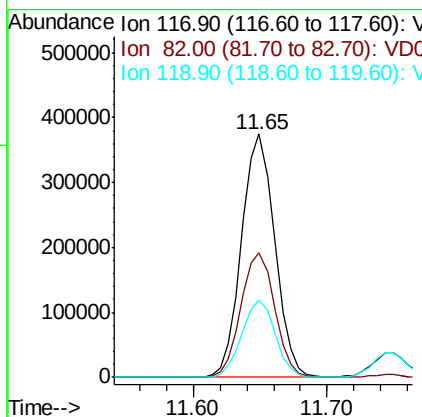
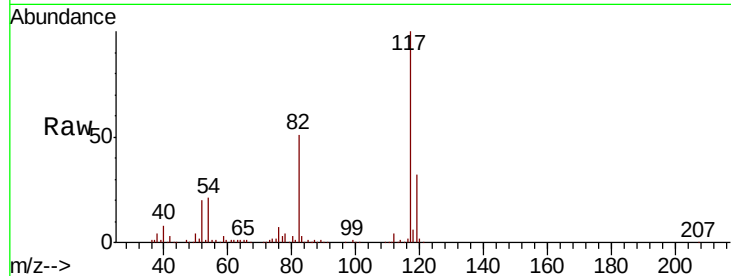
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.4	62.2
119	31.7	26.2	39.2

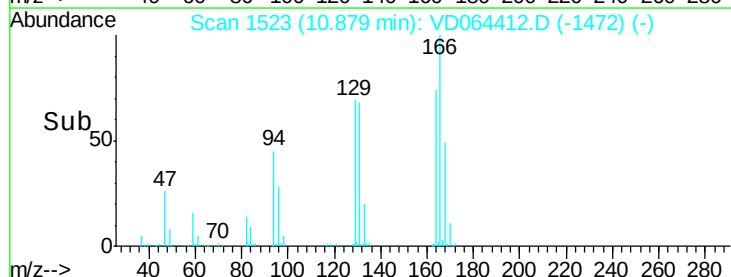
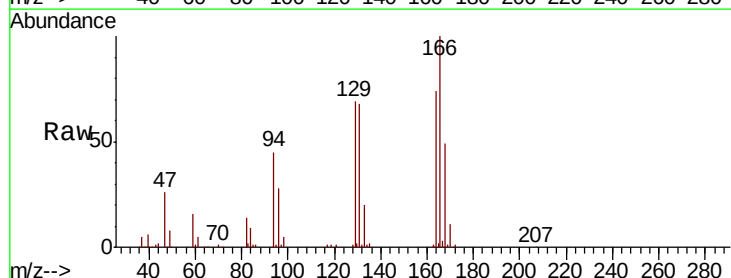
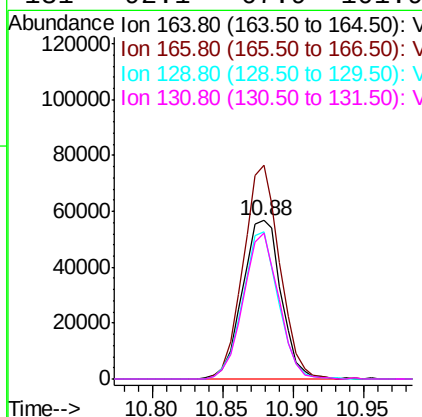
Manual Integrations
APPROVED

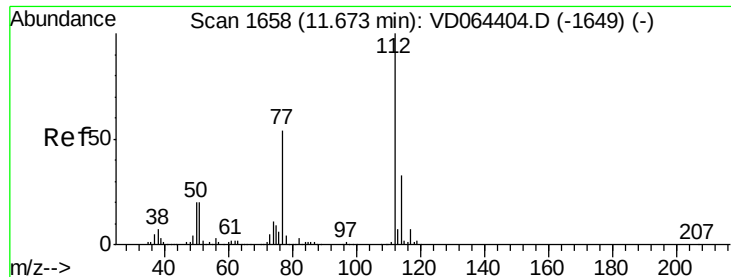
apatel
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#64
Tetrachloroethene
Concen: 21.993 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.9	104.8	157.2
129	93.1	68.7	103.1
131	92.1	67.9	101.9





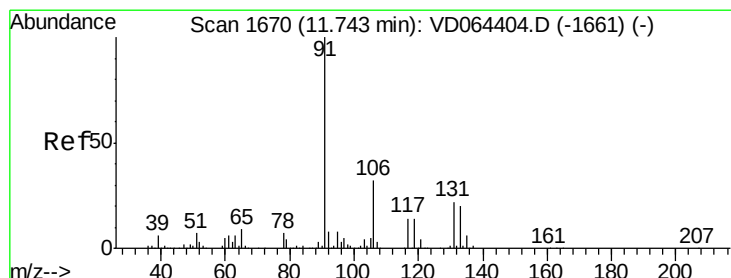
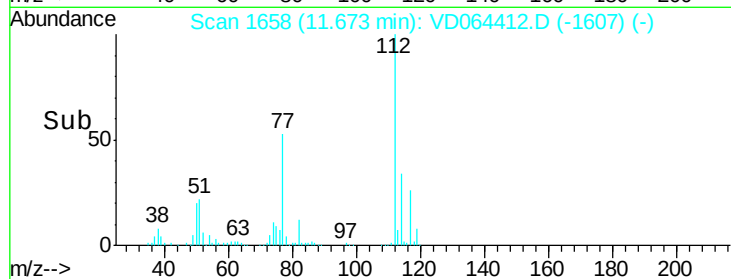
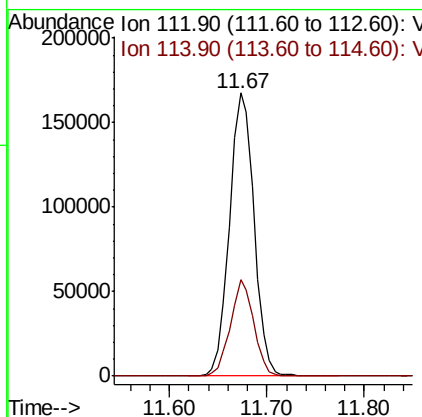
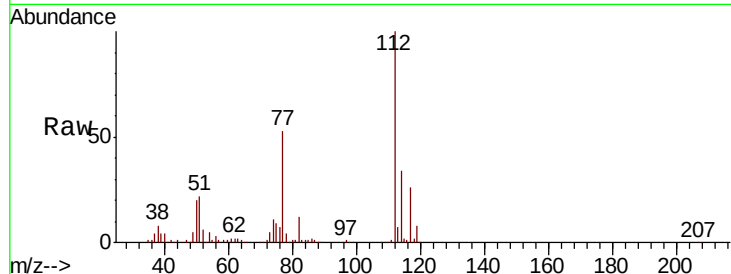
#65
Chlorobenzene
Concen: 21.657 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	292171		
114	34.1	26.5	39.7	

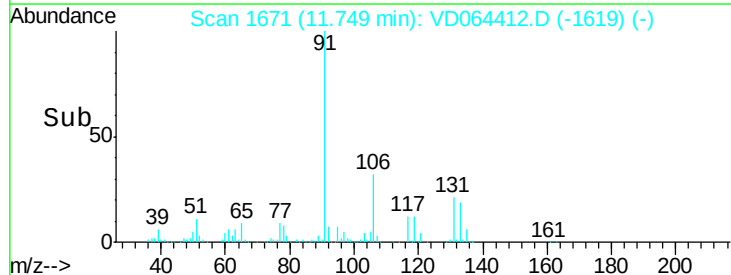
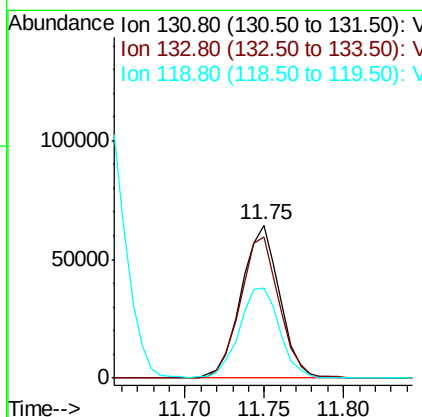
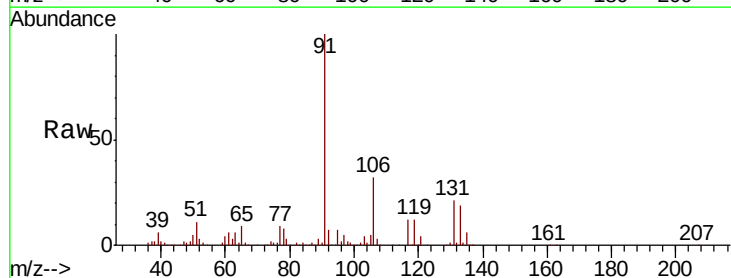
Manual Integrations
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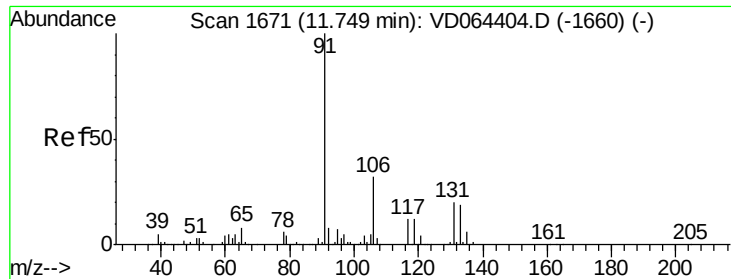
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.693 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	108340		
133	94.1	48.3	144.9	
119	62.1	31.9	95.9	





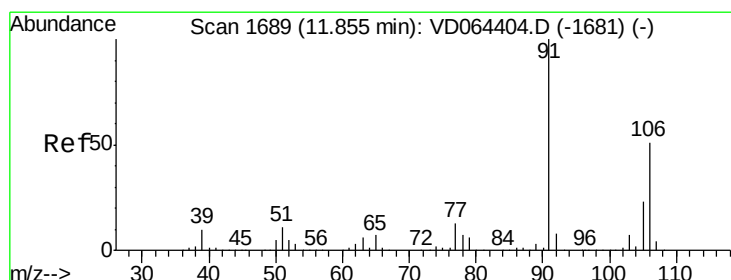
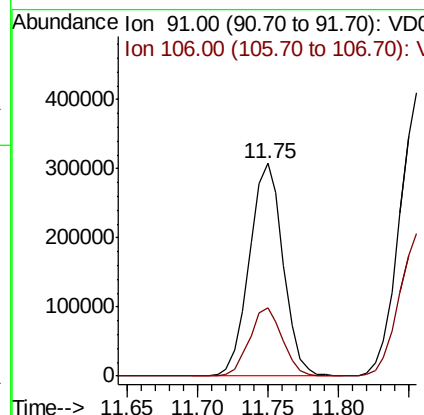
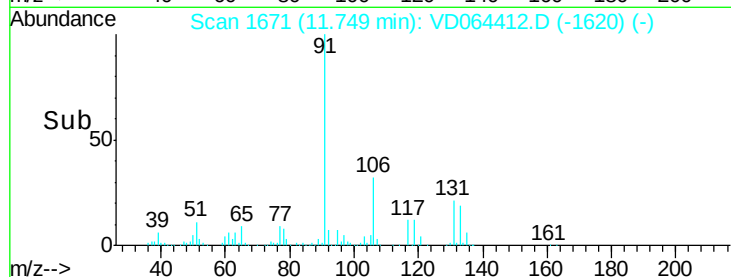
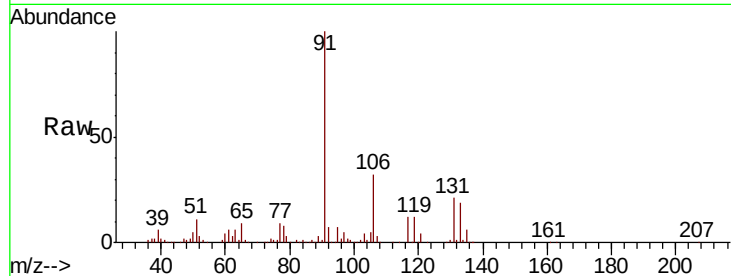
#67
Ethyl Benzene
Concen: 21.466 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion: 91 Resp: 515265
Ion Ratio Lower Upper
91 100
106 32.0 25.8 38.8

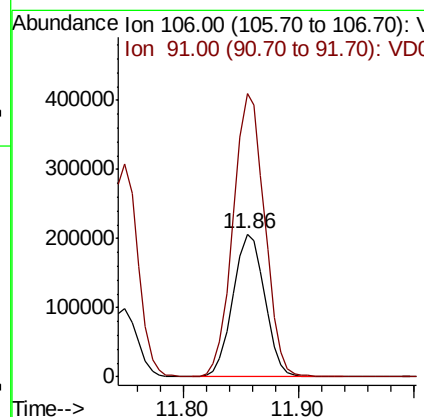
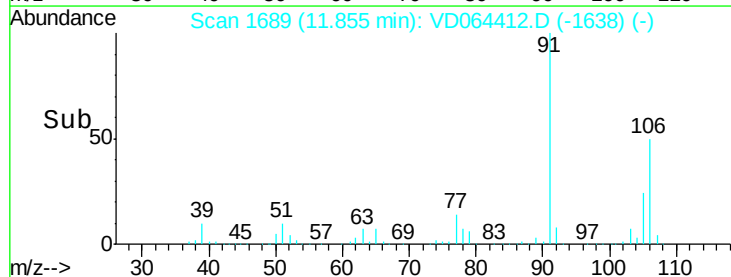
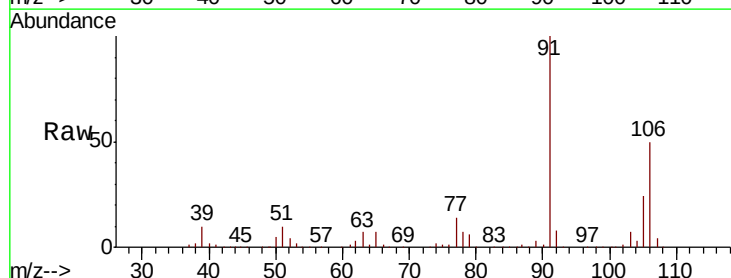
Manual Integrations
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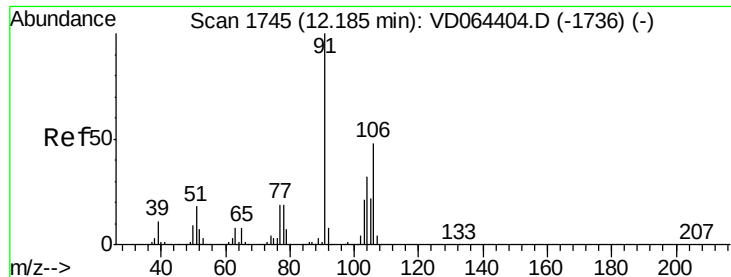
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#68
m/p-Xylenes
Concen: 43.221 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion: 106 Resp: 395566
Ion Ratio Lower Upper
106 100
91 196.8 157.4 236.2





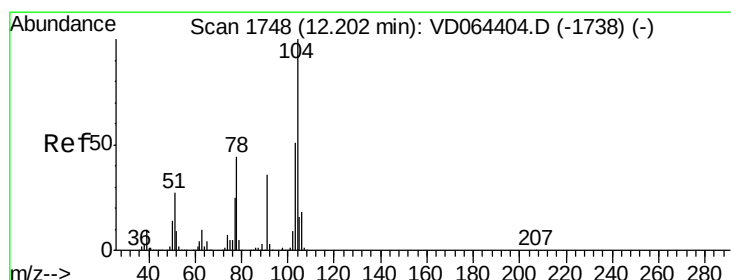
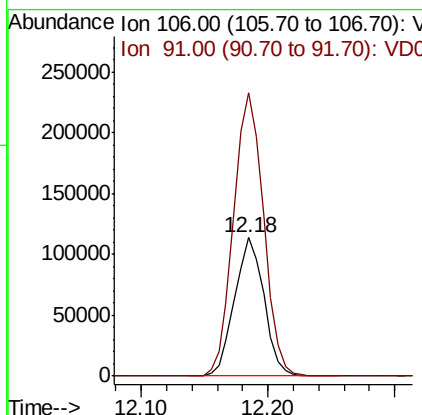
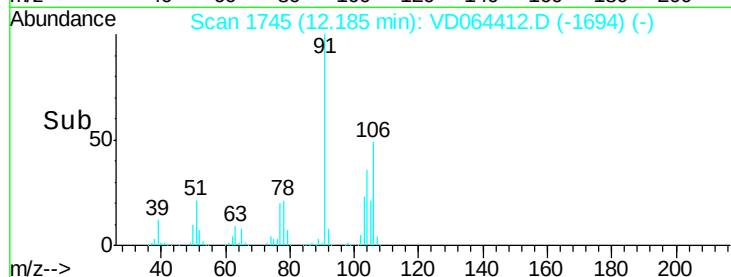
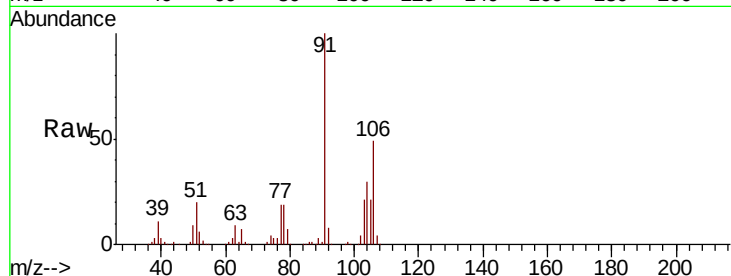
#69
o-Xylene
Concen: 21.688 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	183318		
91	91	208.0	103.8	311.4	

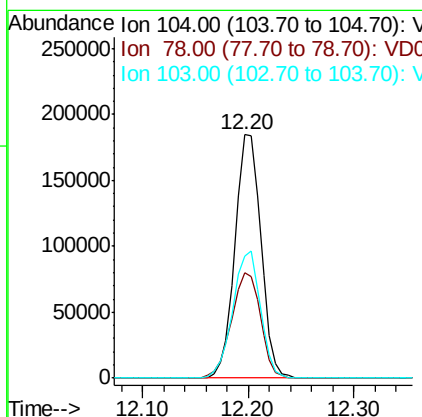
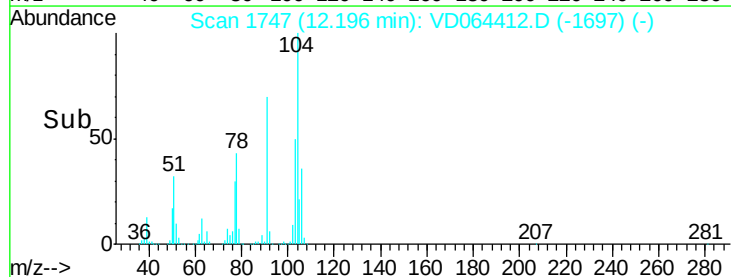
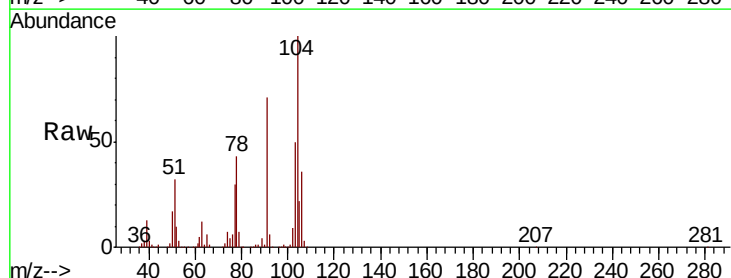
Manual Integrations
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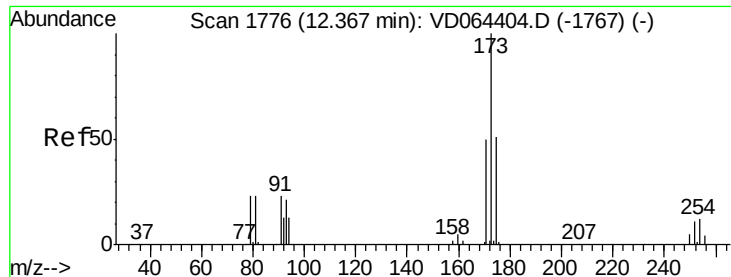
apatel
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#70
Styrene
Concen: 21.360 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	313749		
78	78	48.3	38.8	58.2	
103	103	55.3	44.2	66.4	





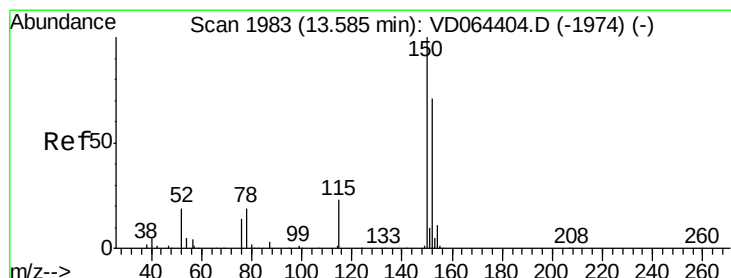
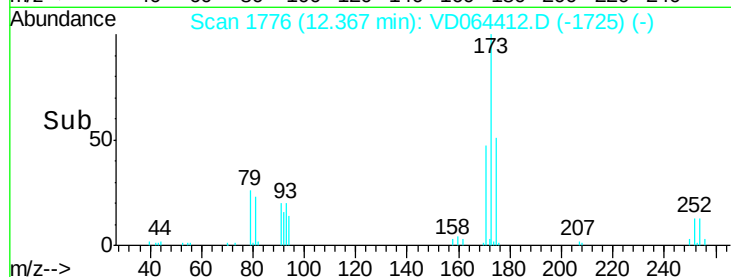
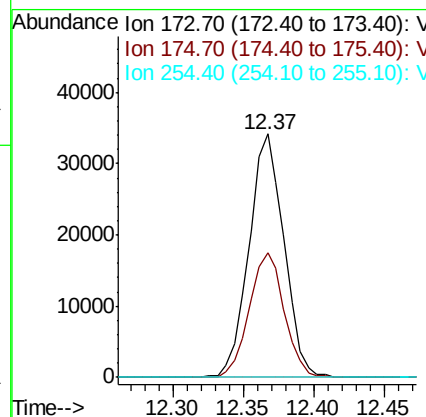
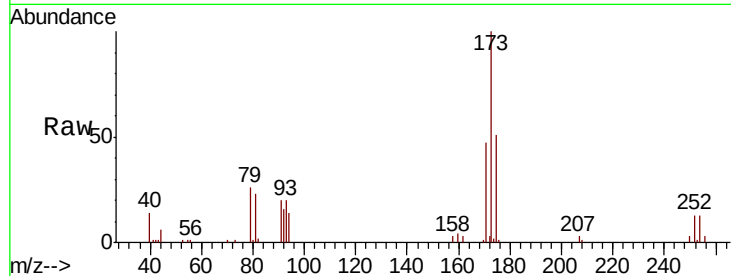
#71
Bromoform
Concen: 19.795 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.1	25.3	75.8
254	0.0	0.0	0.0

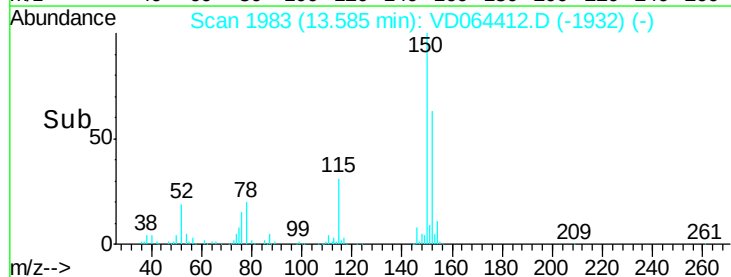
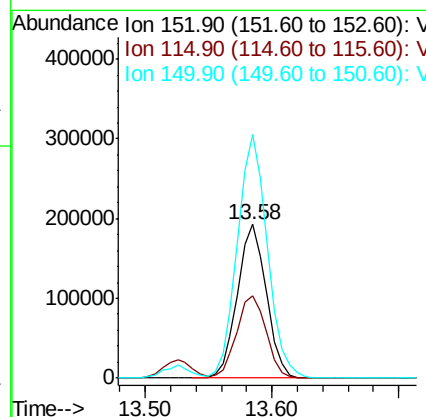
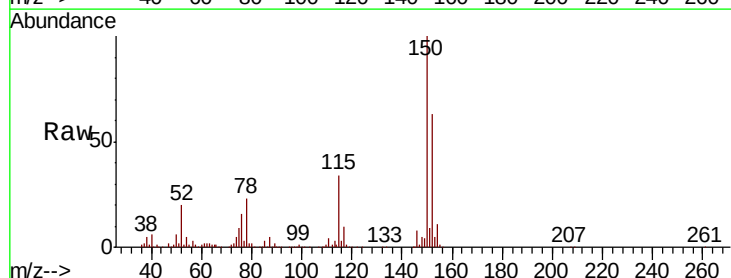
Manual Integrations
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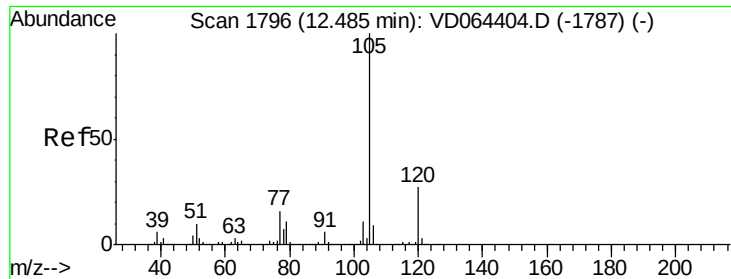
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	26.7	80.1
150	164.7	0.0	347.2





#73

Isopropylbenzene

Concen: 22.737 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 105 Resp: 494953

Ion Ratio Lower Upper

105 100

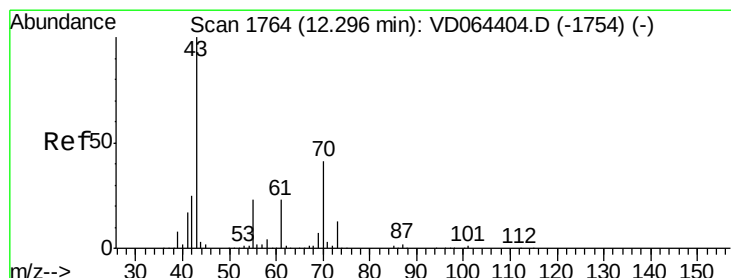
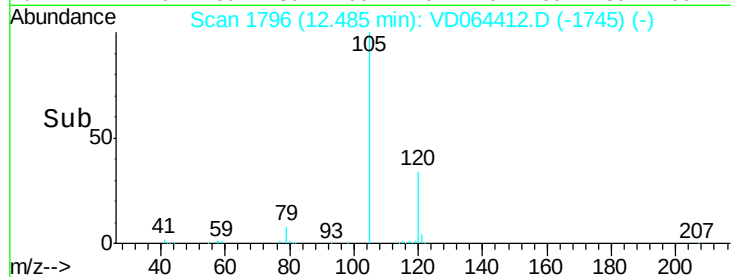
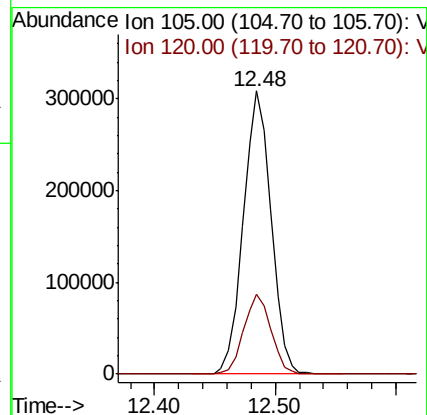
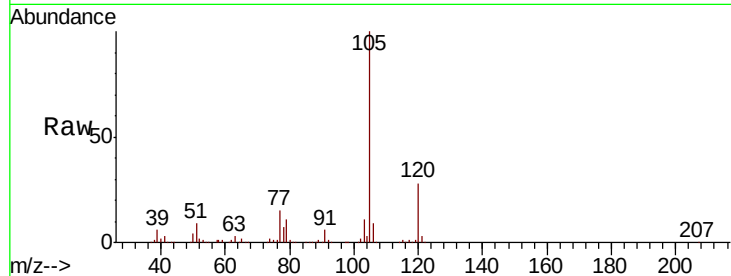
120 27.7 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.262 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Tgt Ion: 43 Resp: 105048

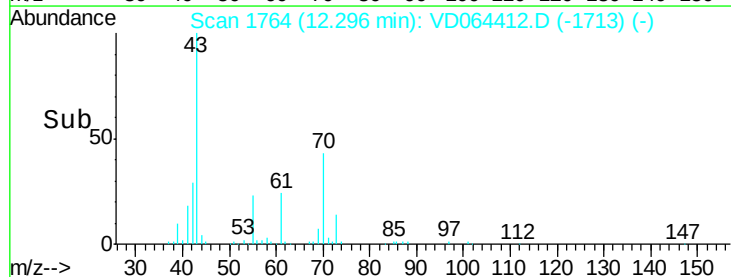
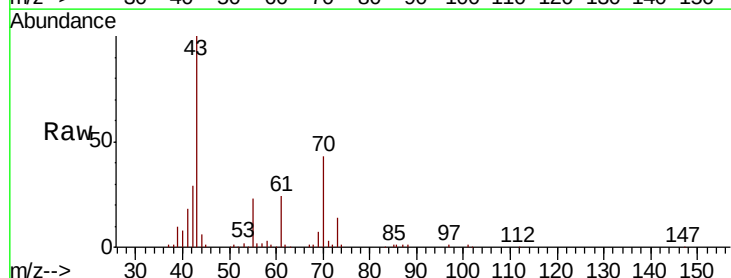
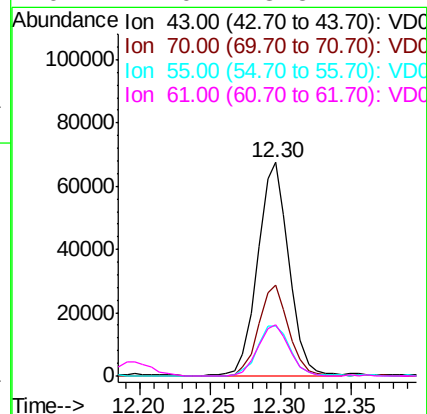
Ion Ratio Lower Upper

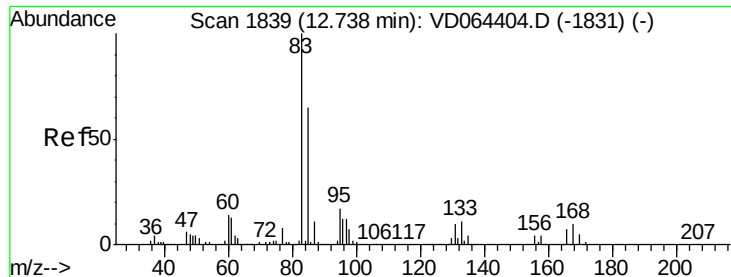
43 100

70 41.4 33.4 50.2

55 24.8 18.9 28.3

61 24.0 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.083 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBSD01

Tot Ion: 83 Resp: 79496

Ion Ratio Lower Upper

83 100

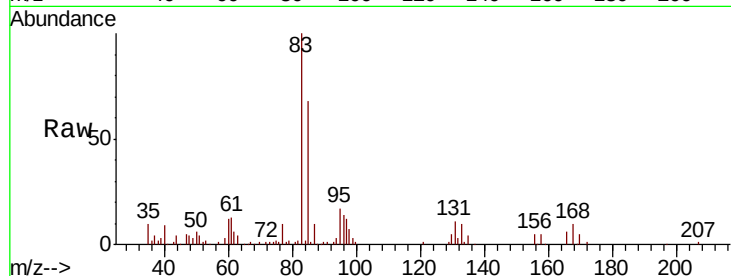
131 11.9 5.7 17.0

85 65.9 31.3 93.9

Manual Integrations
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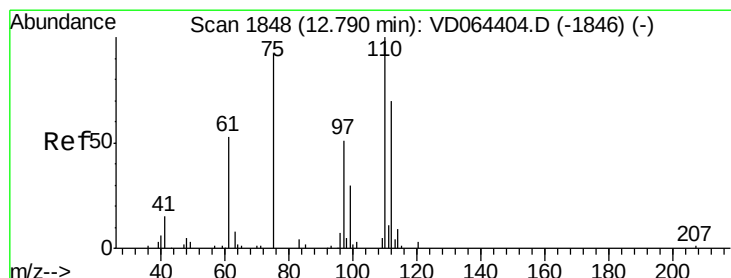
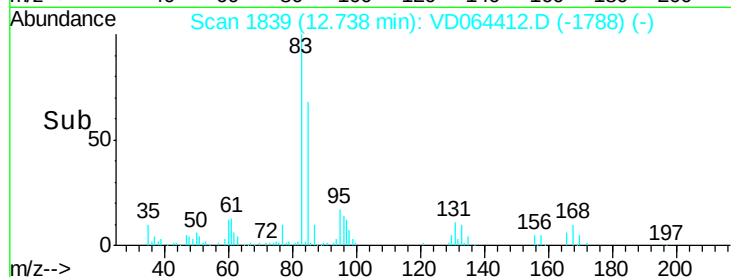
Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC

12.74

Time--> 12.65 12.70 12.75 12.80



#76

1,2,3-Trichloropropane

Concen: 20.727 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064412.D

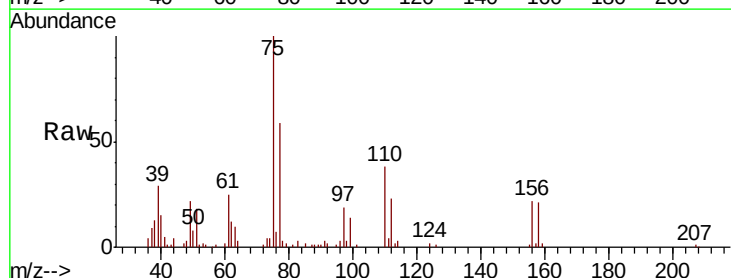
Acq: 04 Dec 2019 12:57

Tgt Ion: 75 Resp: 51591

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

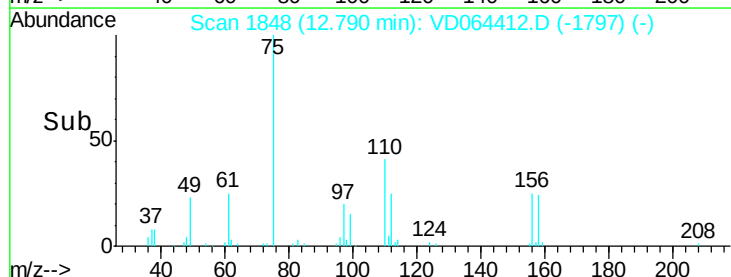


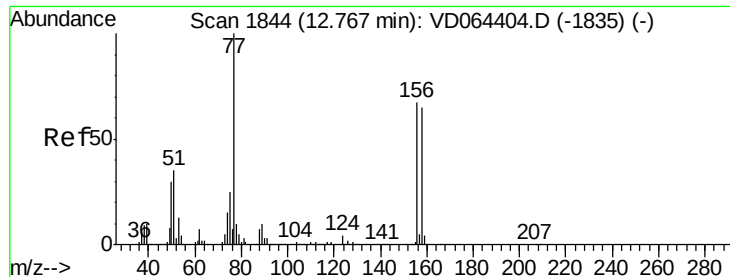
Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.79

Time--> 12.76 12.78 12.80 12.82





#77

Bromobenzene

Concen: 22.627 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

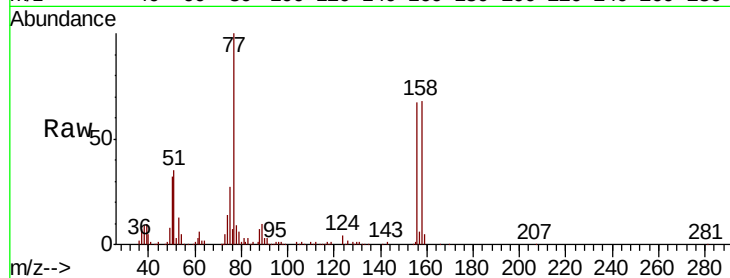
ClientSampleId :

VD1204SBSD01

Tot Ion:	156	Resp:	121638
Ion Ratio	Lower	Upper	
156	100		
77	160.8	80.0	240.2
158	96.8	48.9	146.6

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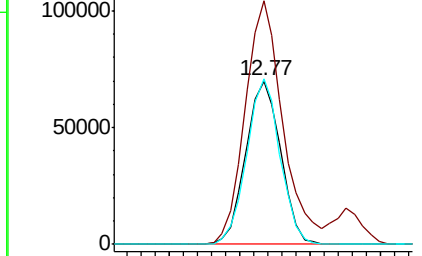
apatel
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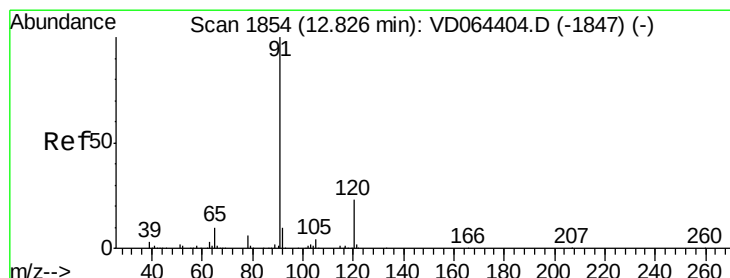
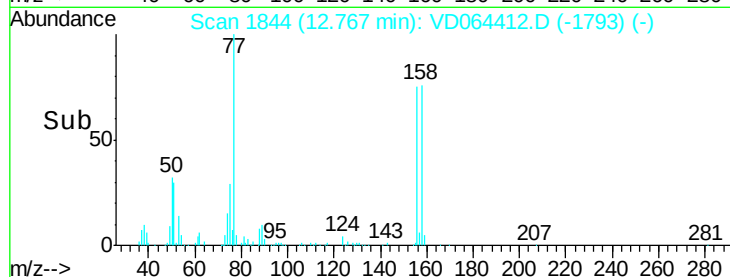
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 22.850 ug/l

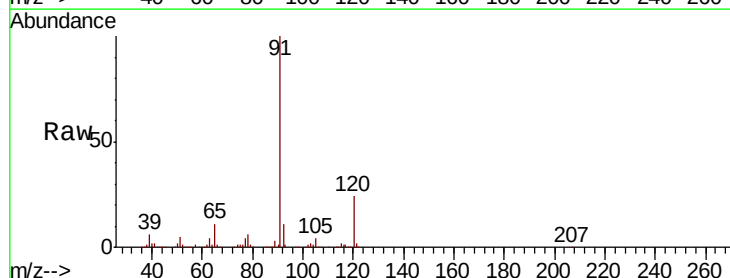
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064412.D

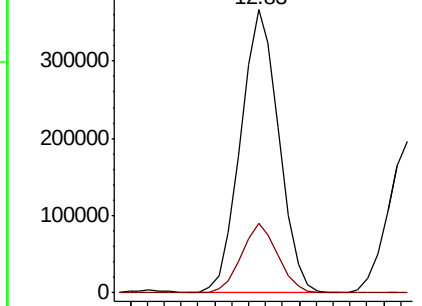
Acq: 04 Dec 2019 12:57

Tgt Ion:	91	Resp:	573926
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.9	35.9

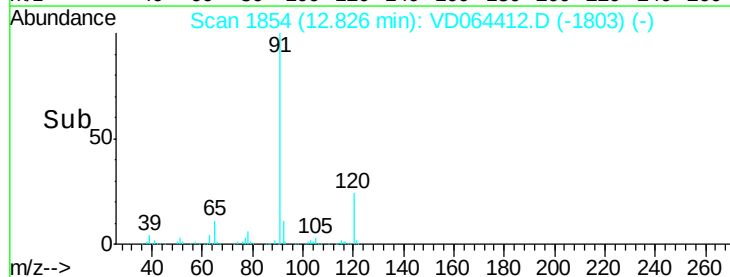


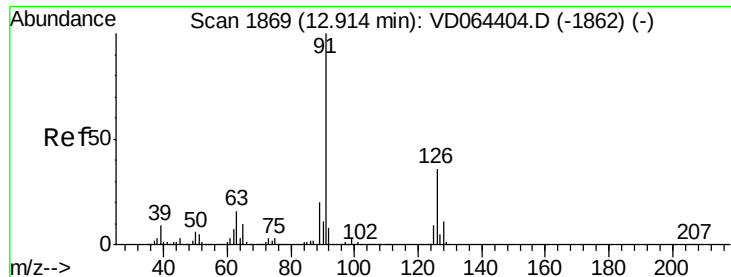
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 22.848 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 91 Resp: 315768

Ion Ratio Lower Upper

91 100

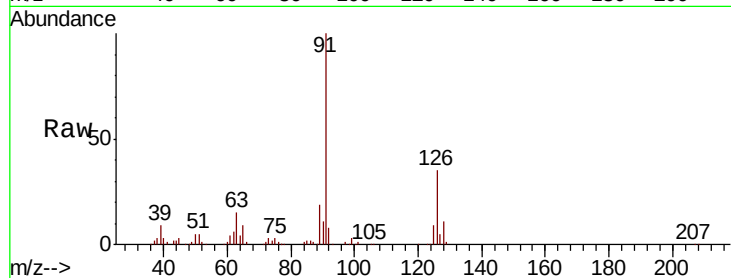
126 35.2 18.0 54.0

Manual Integrations

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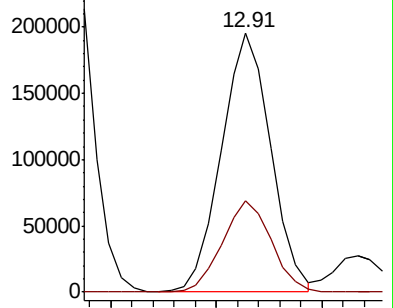
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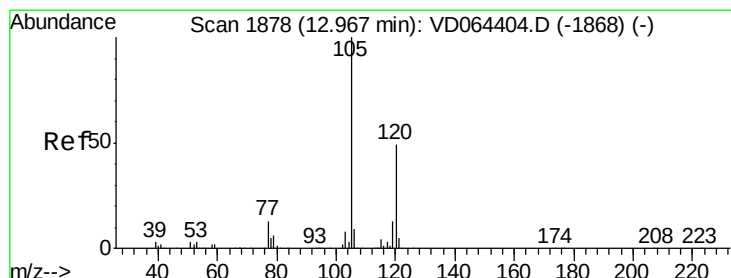
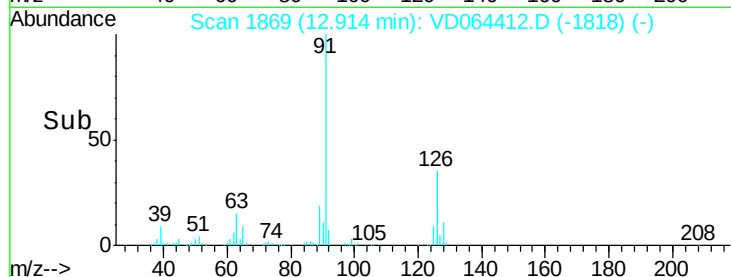


Abundance Ion 91.00 (90.70 to 91.70): VD064412.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064412.D (-1862) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.508 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064412.D

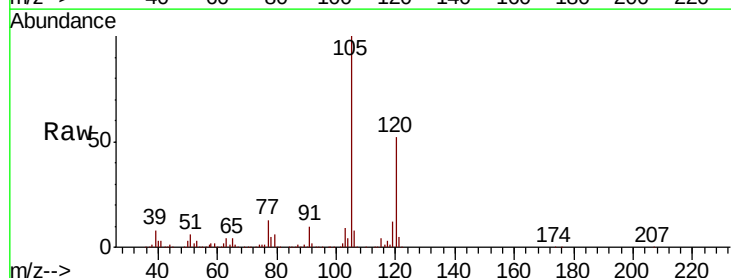
Acq: 04 Dec 2019 12:57

Tgt Ion: 105 Resp: 400395

Ion Ratio Lower Upper

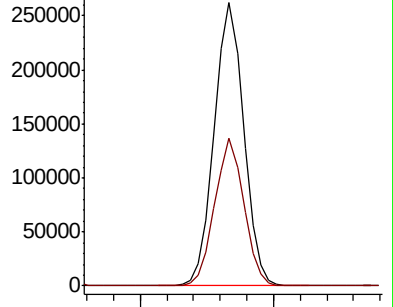
105 100

120 51.4 25.1 75.3

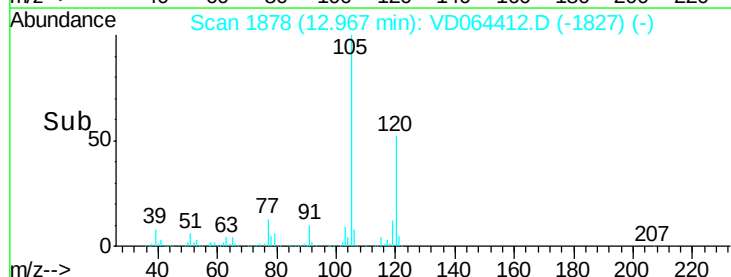


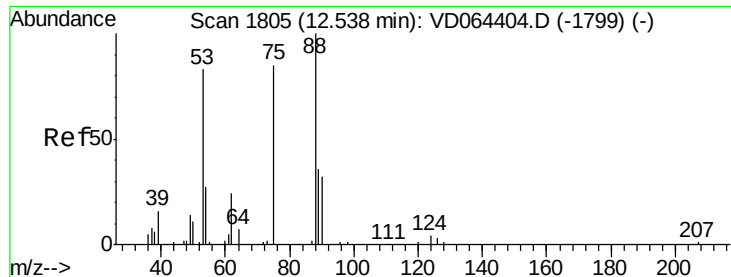
Abundance Ion 105.00 (104.70 to 105.70): VD064412.D (-1827) (-)

Ion 120.00 (119.70 to 120.70): VD064412.D (-1827) (-)



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 22.349 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Instrument :

MSVOA_D

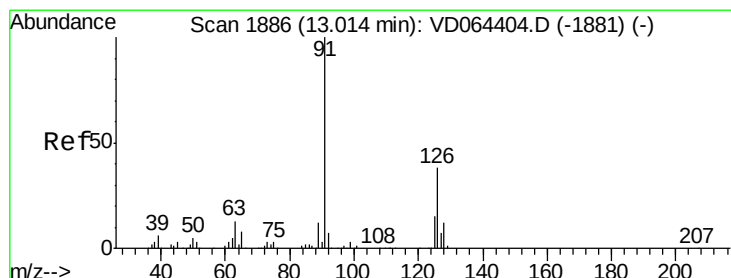
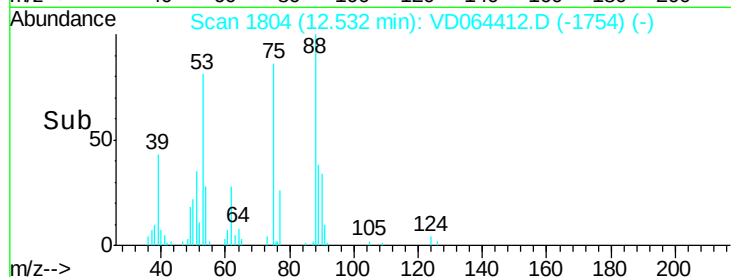
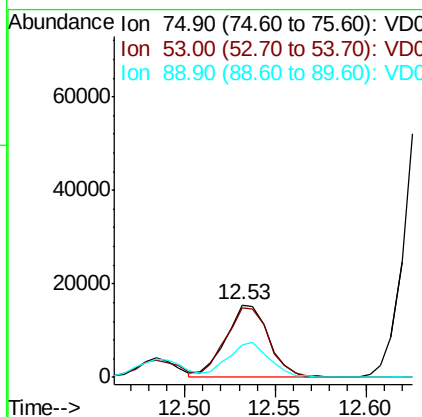
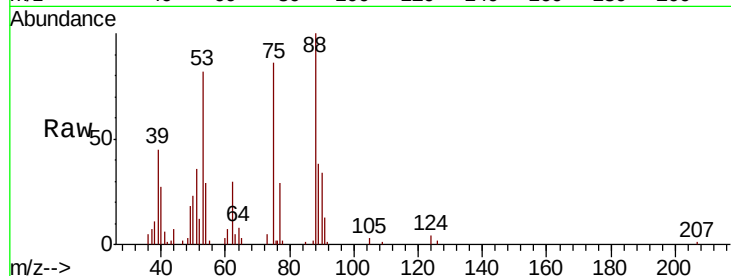
ClientSampleId :

VD1204SBS01

Tot Ion:	75	Resp:	25512
Ion	Ratio	Lower	Upper
75	100		
53	96.3	81.0	121.6
89	47.1	38.5	57.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.338 ug/l

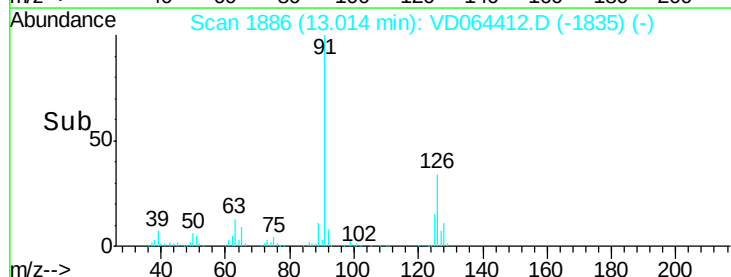
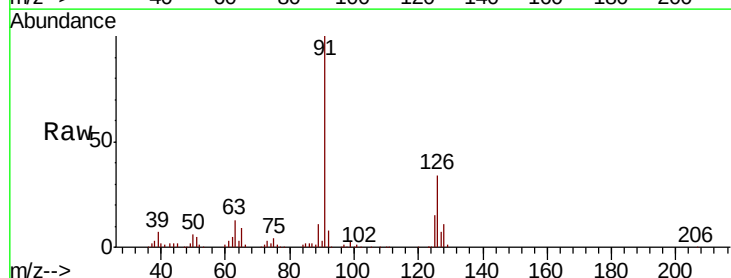
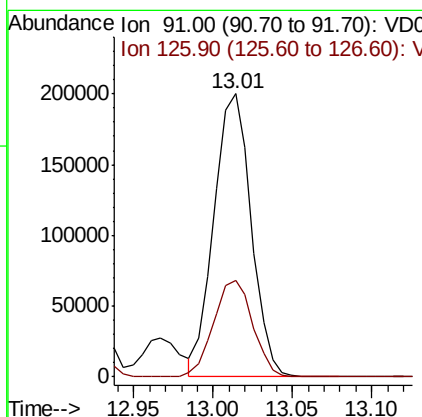
RT: 13.01 min Scan# 1886

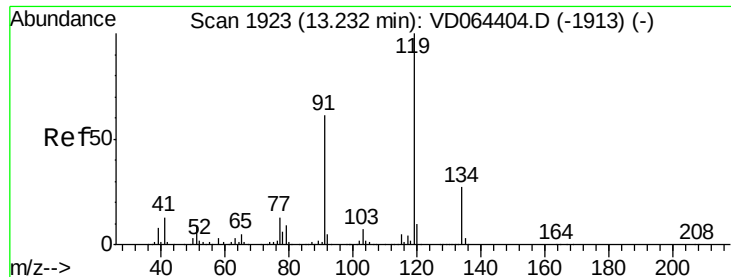
Delta R.T. -0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Tgt Ion:	91	Resp:	326877
Ion	Ratio	Lower	Upper
91	100		
126	35.8	18.2	54.6





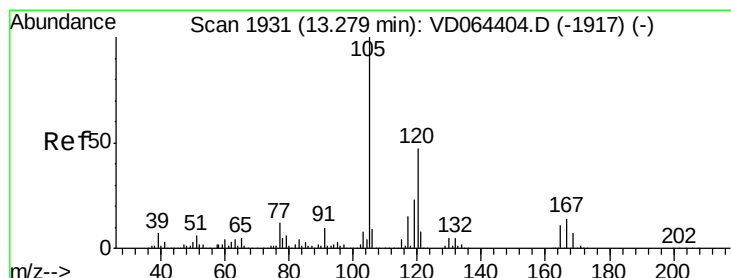
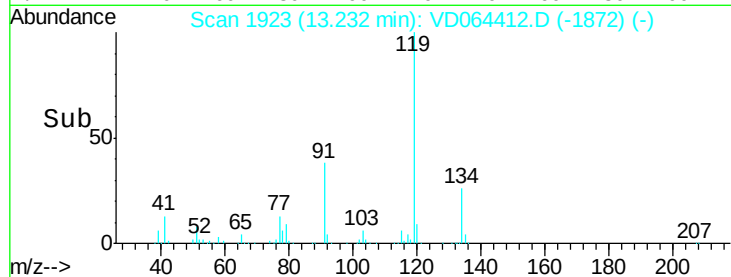
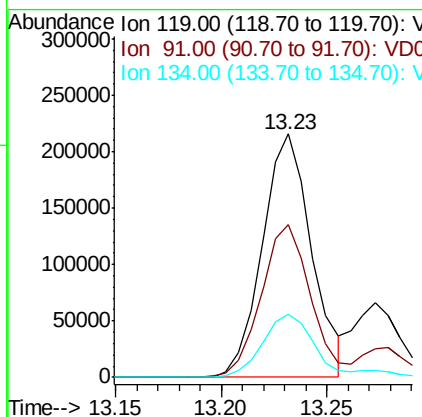
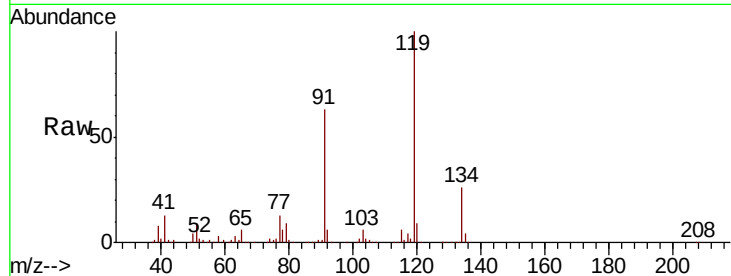
#83
 tert-Butylbenzene
 Concen: 22.628 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	349960		
91	63.3		31.2	93.6
134	26.4		13.9	41.7

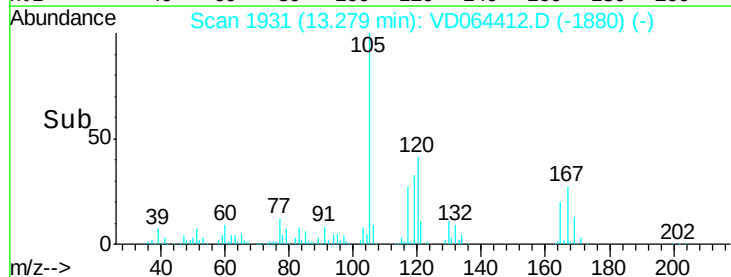
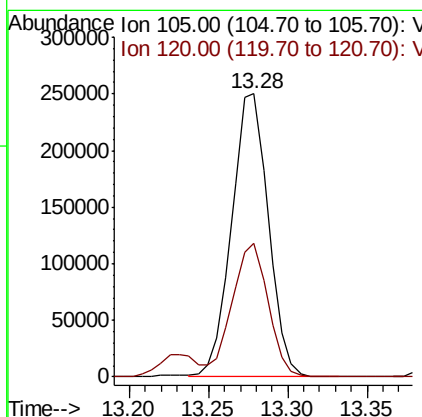
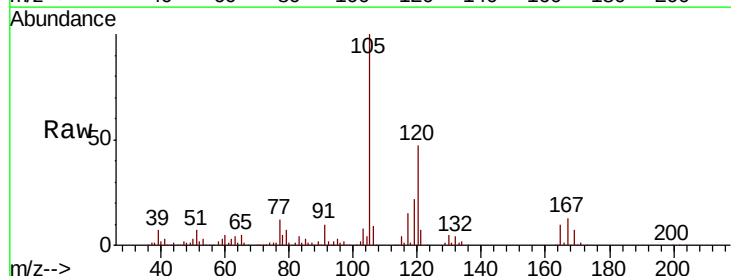
Manual Integrations
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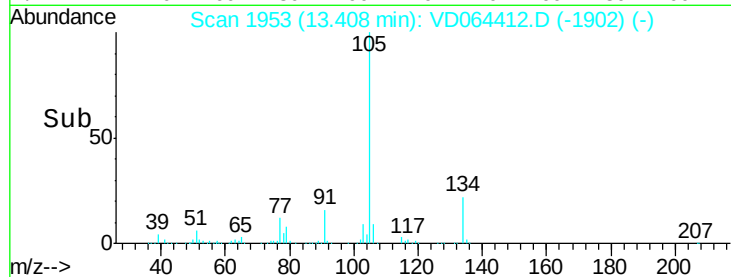
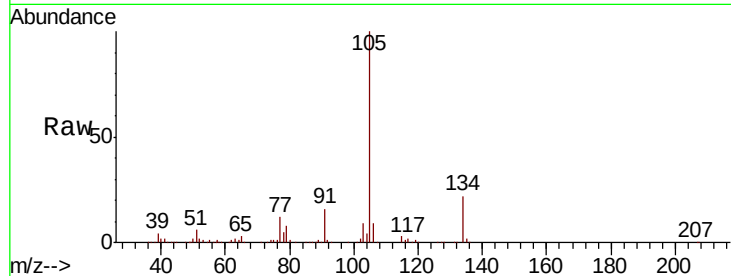
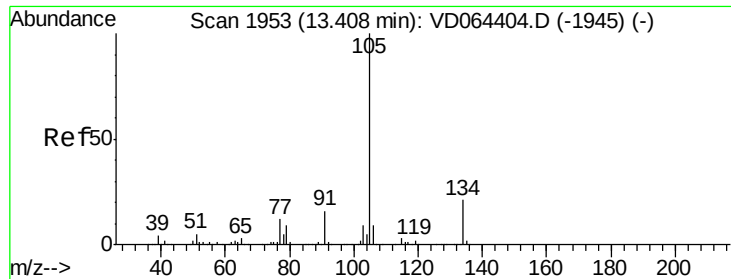
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.472 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	401975		
120	45.9		23.6	70.8





#85

sec-Butylbenzene

Concen: 22.549 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

Tot Ion:105 Resp: 478628

Ion Ratio Lower Upper

105 100

134 21.1 10.5 31.5

Instrument :

MSVOA_D

ClientSampleId :

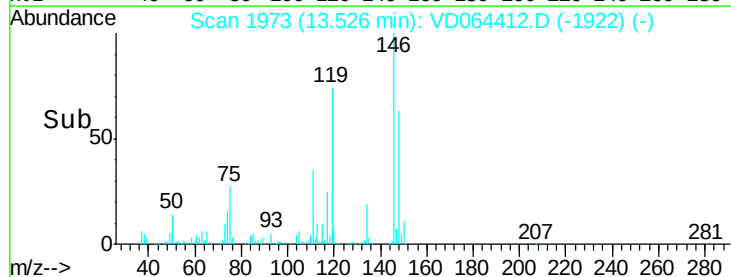
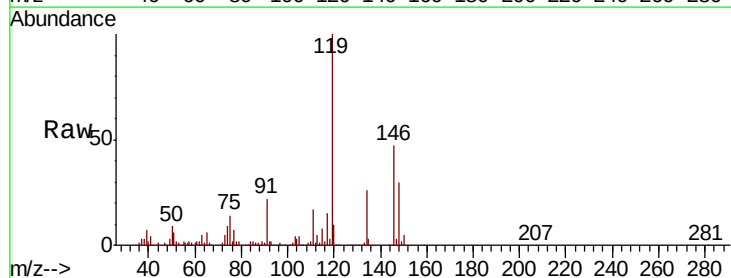
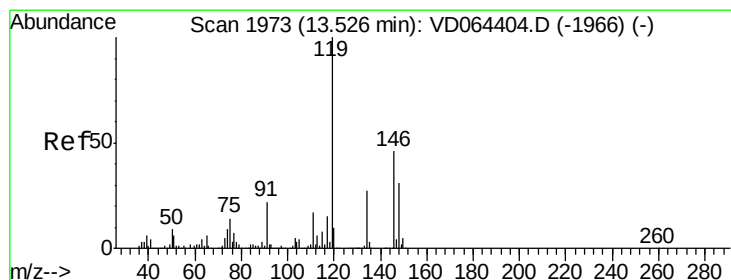
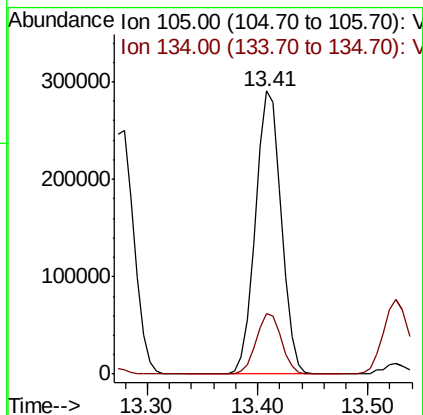
VD1204SBS01

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#86

p-Isopropyltoluene

Concen: 22.473 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064412.D

Acq: 04 Dec 2019 12:57

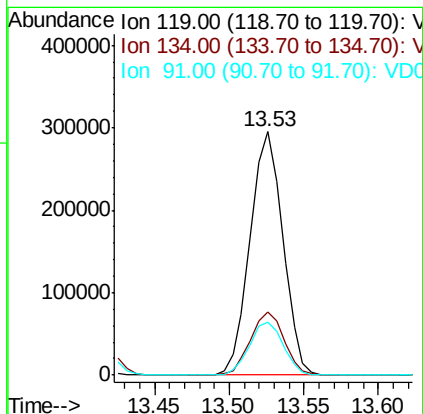
Tgt Ion:119 Resp: 450339

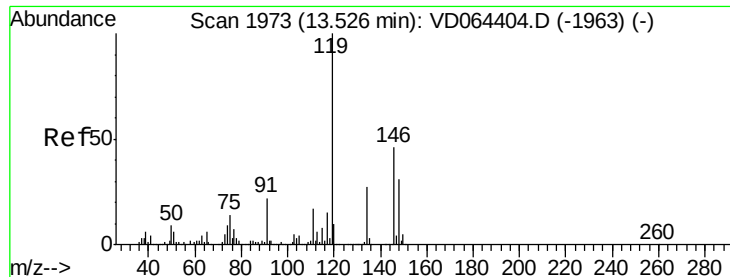
Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.4

91 22.2 11.2 33.5





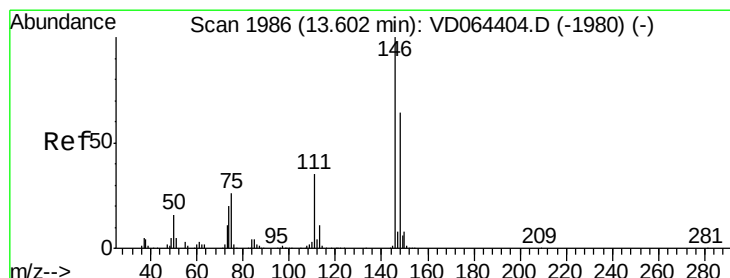
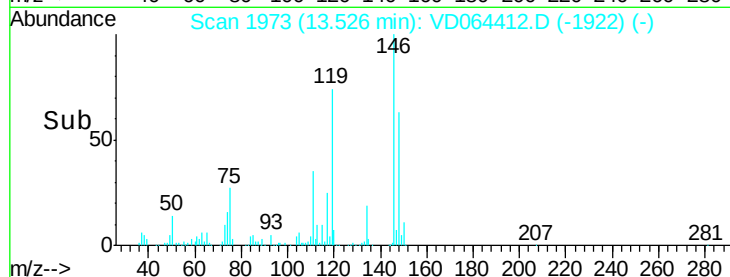
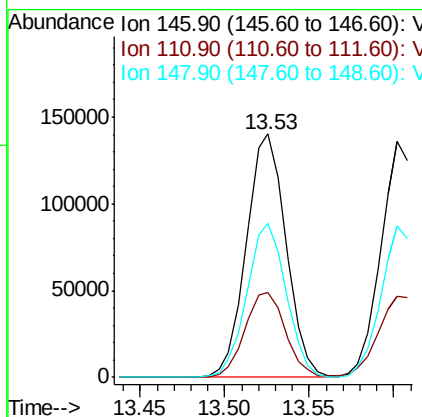
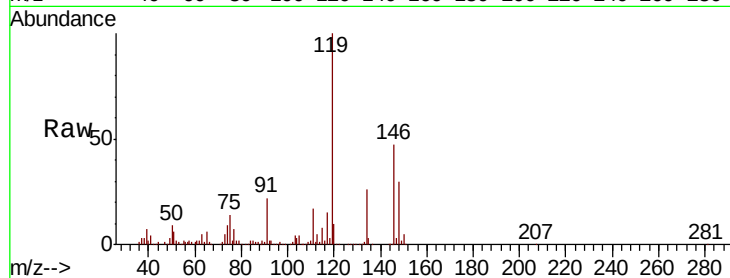
#87
 1,3-Dichlorobenzene
 Concen: 22.435 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1204SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.8	56.4
148	62.9	32.6	97.8

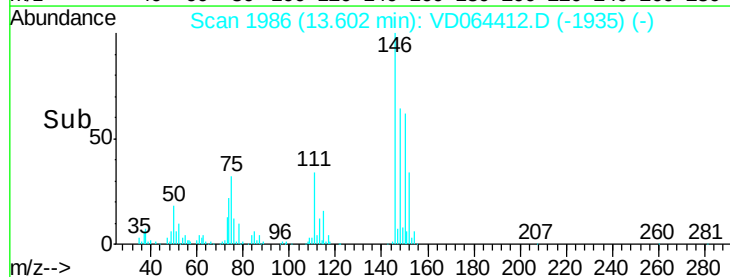
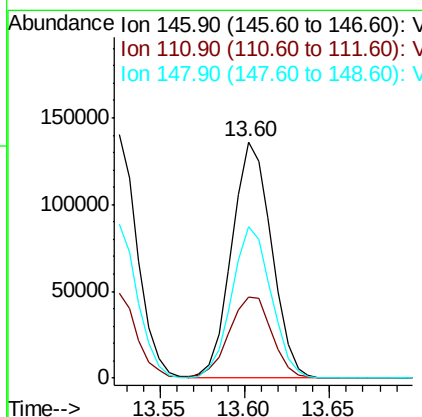
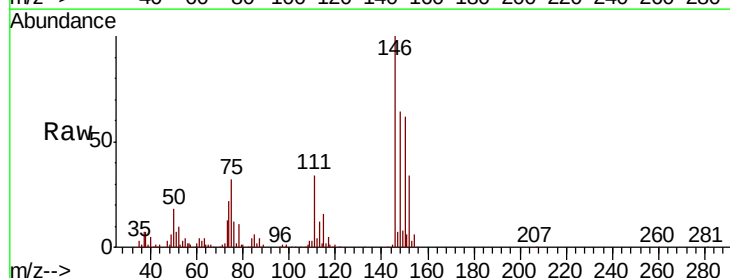
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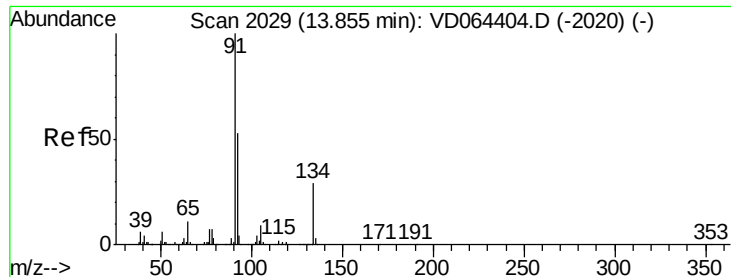
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#88
 1,4-Dichlorobenzene
 Concen: 22.162 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.2	54.6
148	63.8	31.8	95.4





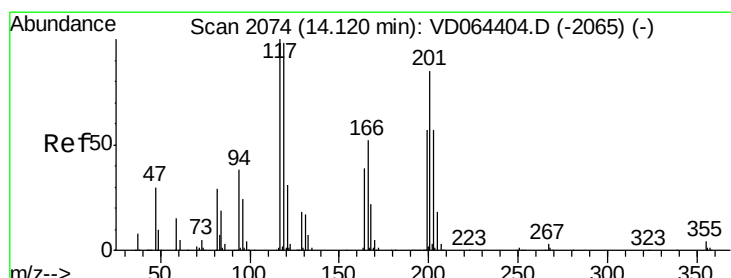
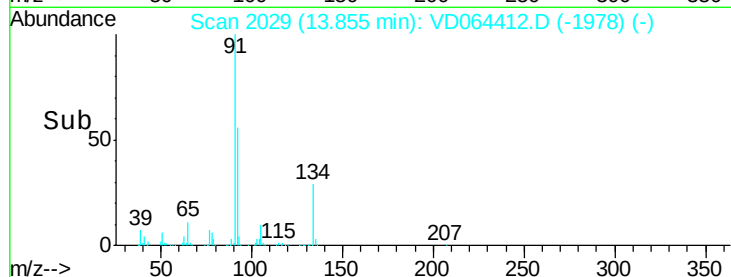
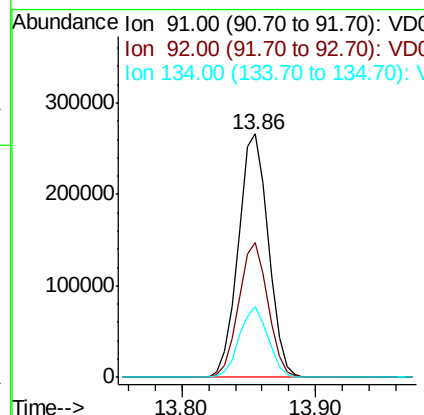
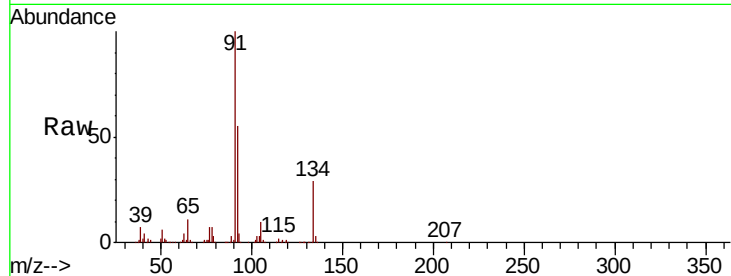
#89
n-Butylbenzene
Concen: 22.779 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.5	79.4
134	27.7	13.9	41.7

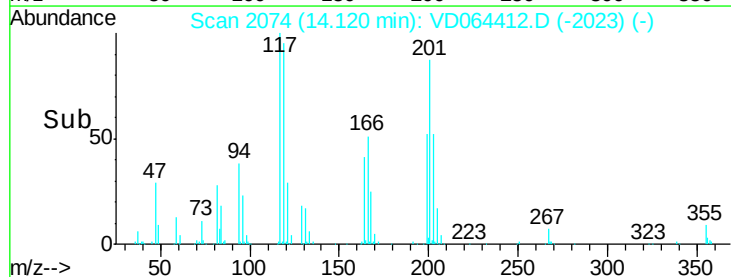
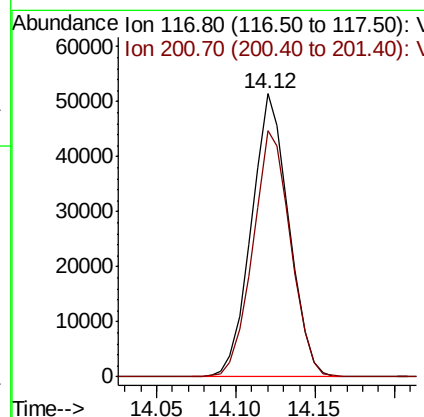
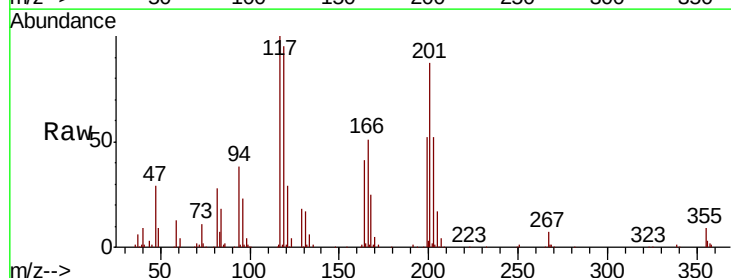
Manual Integrations
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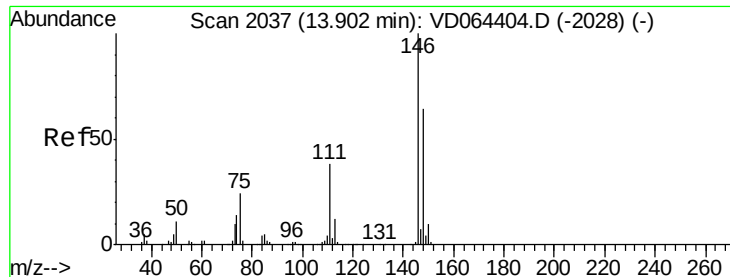
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#90
Hexachloroethane
Concen: 22.451 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.6	44.3	132.8





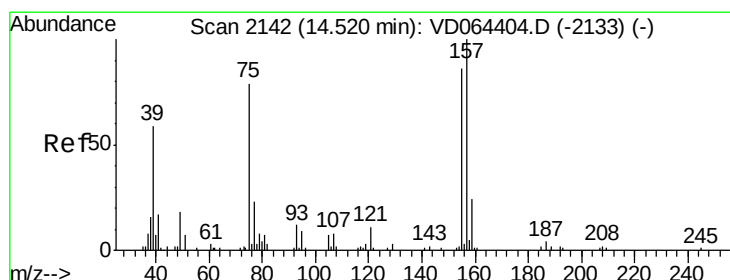
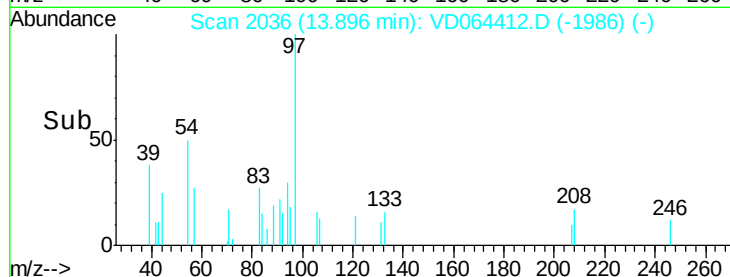
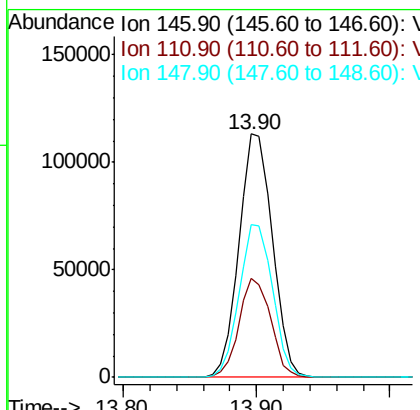
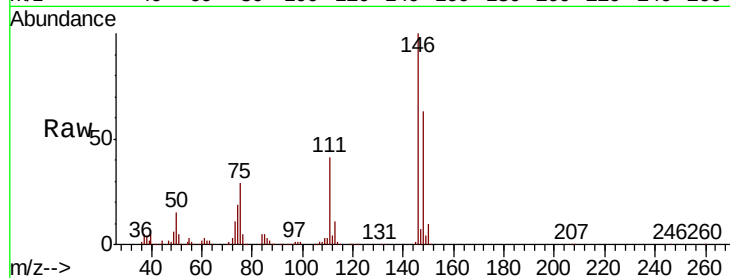
#91
 1,2-Dichlorobenzene
 Concen: 22.499 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.3
148	62.7	32.0	96.0

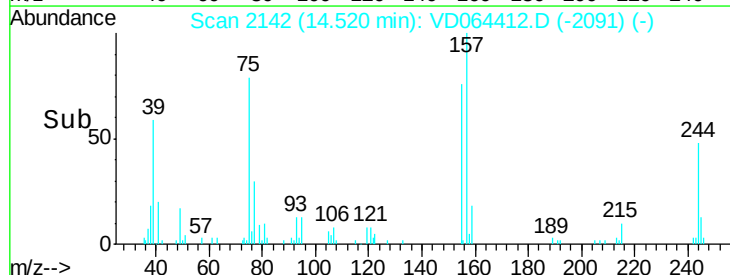
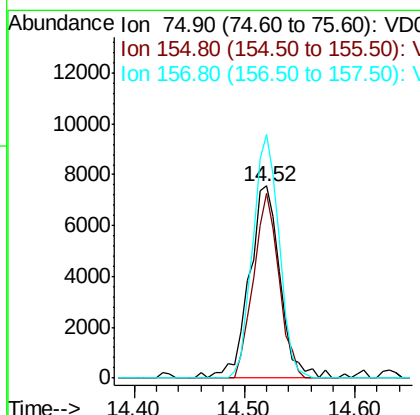
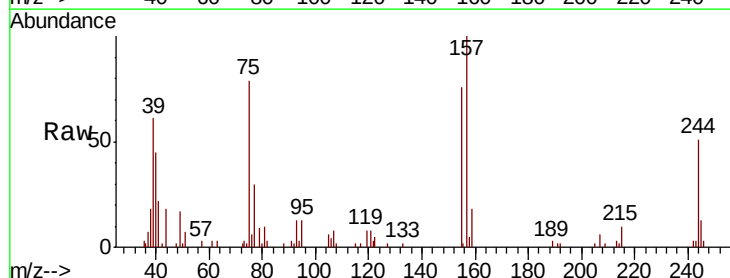
Manual Integrations
 APPROVED

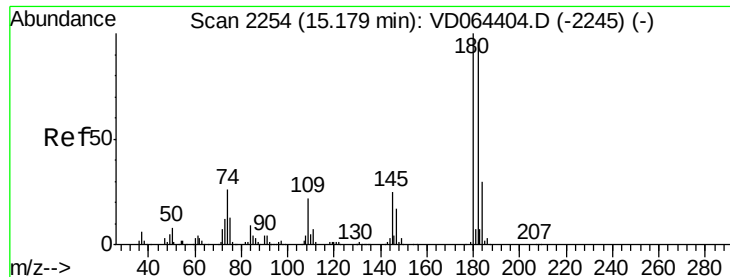
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.361 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.4	51.9	155.7
157	108.3	63.2	189.8





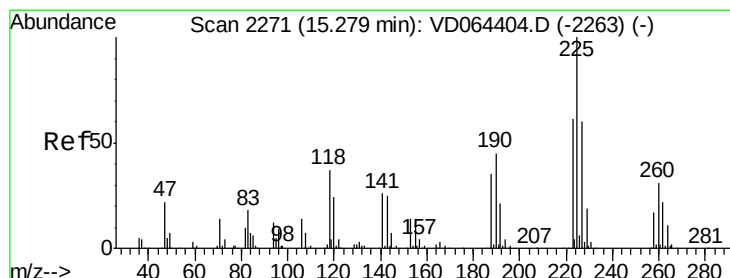
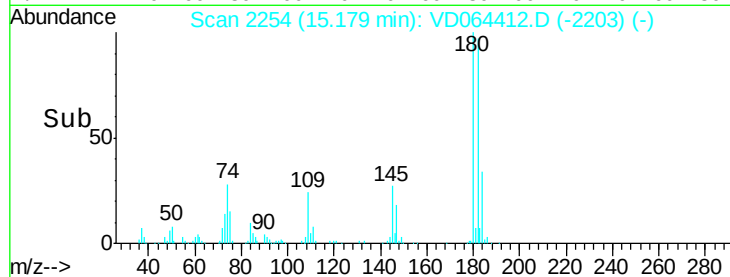
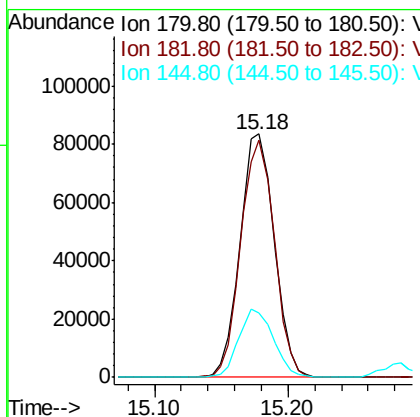
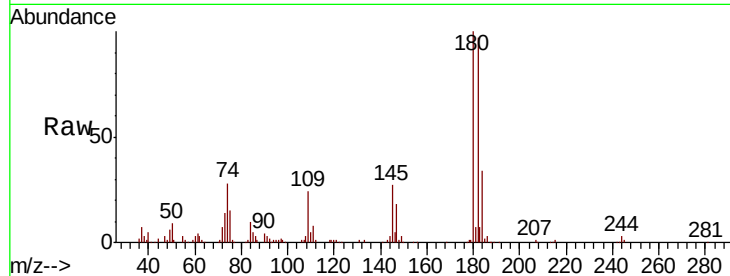
#93
 1,2,4-Trichlorobenzene
 Concen: 22.182 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	148128		
182	95.6	47.4	142.3	
145	28.5	14.0	41.9	

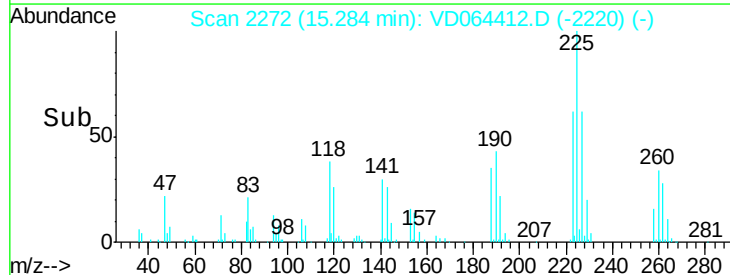
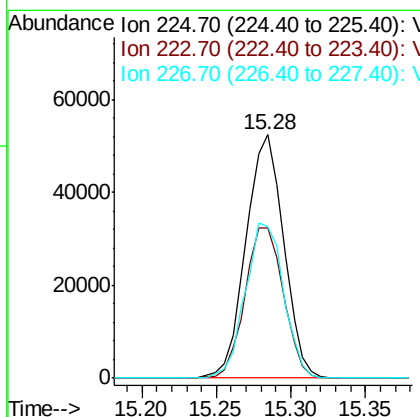
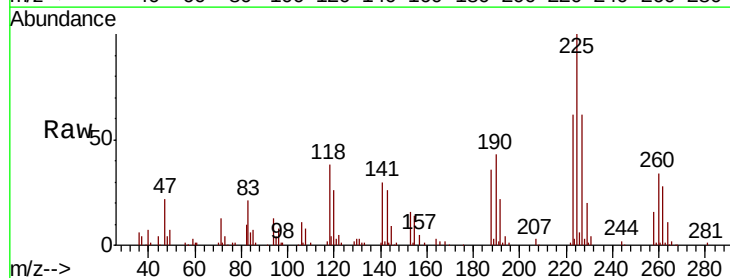
Manual Integrations
 APPROVED

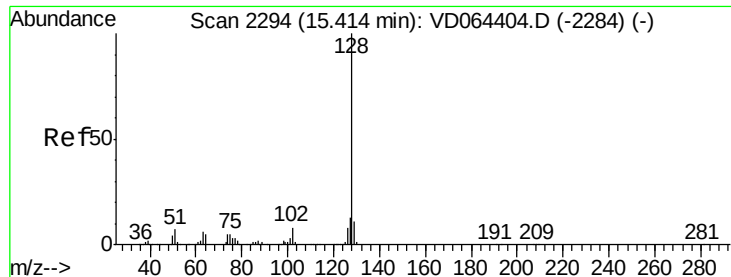
apatel
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#94
 Hexachlorobutadiene
 Concen: 22.216 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064412.D
 Acq: 04 Dec 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	91586		
223	63.1	31.1	93.3	
227	64.4	31.8	95.4	





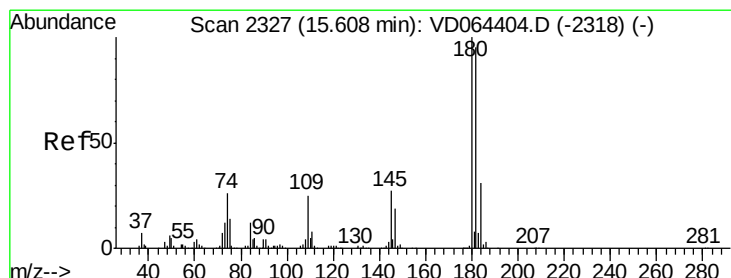
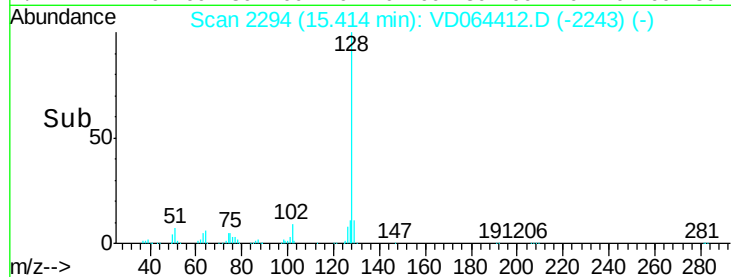
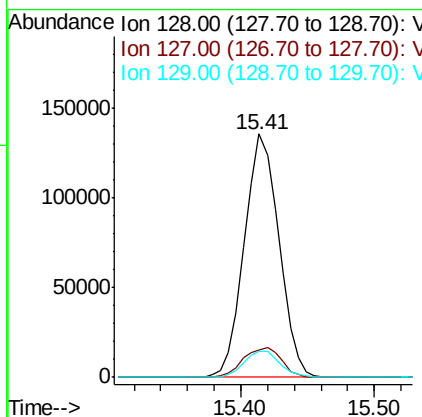
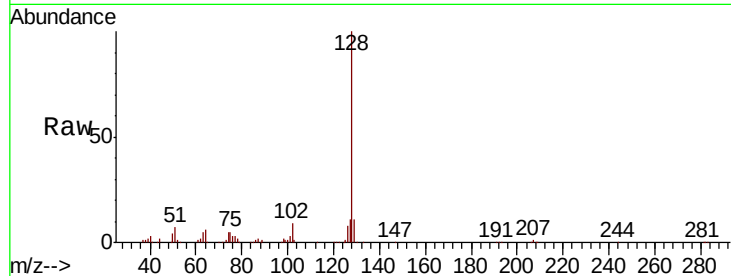
#95
Naphthalene
Concen: 21.838 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	11.2	8.8	13.2

Manual Integrations
APPROVED

apatel
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#96
1,2,3-Trichlorobenzene
Concen: 22.418 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064412.D
Acq: 04 Dec 2019 12:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.6	142.9
145	29.5	14.6	43.8

