

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
 Data File : VD064447.D
 Acq On : 05 Dec 2019 20:22
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 06 05:57:27 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	491651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	740413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	705498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	382377	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	236010	53.03	ug/l	0.00
Spiked Amount						
			Recovery	=	106.06%	
35) Dibromofluoromethane	7.92	113	230927	49.50	ug/l	0.00
Spiked Amount						
			Recovery	=	99.00%	
50) Toluene-d8	10.34	98	881695	50.17	ug/l	0.00
Spiked Amount						
			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.64	95	306923	54.35	ug/l	0.00
Spiked Amount						
			Recovery	=	108.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	239508	53.764	ug/l	98
3) Chloromethane	2.21	50	317686	56.540	ug/l	99
4) Vinyl Chloride	2.35	62	308844	47.606	ug/l	97
5) Bromomethane	2.77	94	216313	45.088	ug/l	95
6) Chloroethane	2.93	64	216269	49.875	ug/l	98
7) Trichlorofluoromethane	3.27	101	510295	47.316	ug/l	99
8) Diethyl Ether	3.71	74	125603	56.045	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	229056	49.534	ug/l	99
10) Methyl Iodide	4.29	142	259692	53.179	ug/l	100
11) Tert butyl alcohol	5.26	59	72454	255.772	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	220052	49.656	ug/l	100
13) Acrolein	3.93	56	99429	257.333	ug/l	98
14) Allyl chloride	4.71	41	360917	52.186	ug/l	100
15) Acrylonitrile	5.43	53	255768	260.983	ug/l	99
16) Acetone	4.17	43	228803	254.427	ug/l	96
17) Carbon Disulfide	4.40	76	673420	47.981	ug/l	98
18) Methyl Acetate	4.73	43	144264	54.996	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	555965	54.693	ug/l	100
20) Methylene Chloride	4.96	84	257909	57.073	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	249457	49.765	ug/l	98
22) Diisopropyl ether	6.37	45	746433	54.672	ug/l	98
23) Vinyl Acetate	6.31	43	2172928	269.968	ug/l	97
24) 1,1-Dichloroethane	6.27	63	422763	51.490	ug/l	99
25) 2-Butanone	7.22	43	322060	253.236	ug/l	98
26) 2,2-Dichloropropane	7.21	77	353125	49.454	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	282421	51.678	ug/l	100
28) Bromochloromethane	7.55	49	154195	54.952	ug/l	99
29) Tetrahydrofuran	7.57	42	207797	256.813	ug/l	97
30) Chloroform	7.71	83	445688	52.413	ug/l	99
31) Cyclohexane	7.98	56	361063	50.406	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	399231	50.641	ug/l	98
36) 1,1-Dichloropropene	8.11	75	328737	46.940	ug/l	99
37) Ethyl Acetate	7.30	43	152906	51.455	ug/l	99
38) Carbon Tetrachloride	8.10	117	358165	48.457	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	410972	47.307	ug/l	97
40) Benzene	8.35	78	952876	48.988	ug/l	99
41) Methacrylonitrile	7.54	41	97038	56.941	ug/l	98
42) 1,2-Dichloroethane	8.43	62	293992	51.828	ug/l	99
43) Isopropyl Acetate	8.46	43	305314	52.255	ug/l	99
44) Trichloroethene	9.11	130	280184	47.820	ug/l	97
45) 1,2-Dichloropropane	9.39	63	238055	51.174	ug/l	99
46) Dibromomethane	9.48	93	133906	51.002	ug/l	97
47) Bromodichloromethane	9.66	83	355575	52.708	ug/l	99
48) Methyl methacrylate	9.46	41	139912	52.330	ug/l	97
49) 1,4-Dioxane	9.47	88	32738	1009.770	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	751375	259.904	ug/l	99
52) Toluene	10.40	92	626649	49.434	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	344142	53.527	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	395776	51.818	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	188307	52.379	ug/l	98
56) Ethyl methacrylate	10.66	69	247111	53.892	ug/l	99
57) 1,3-Dichloropropane	10.95	76	323552	52.870	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	461942	252.720	ug/l	98
59) 2-Hexanone	10.99	43	514950	256.703	ug/l	99
60) Dibromochloromethane	11.14	129	259773	53.294	ug/l	100
61) 1,2-Dibromoethane	11.25	107	188535	52.524	ug/l	99
64) Tetrachloroethene	10.88	164	250394	46.542	ug/l	98
65) Chlorobenzene	11.67	112	704141	47.854	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	274591	50.411	ug/l	98
67) Ethyl Benzene	11.75	91	1245559	47.576	ug/l	99
68) m/p-Xylenes	11.86	106	970598	97.232	ug/l	99
69) o-Xylene	12.18	106	462815	50.201	ug/l	100
70) Styrene	12.20	104	796071	49.690	ug/l	100
71) Bromoform	12.37	173	162633	49.904	ug/l #	96
73) Isopropylbenzene	12.48	105	1193873	43.412	ug/l	100
74) N-amyl acetate	12.29	43	294442	47.173	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	207149	45.549	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	261712	83.227	ug/l #	100
77) Bromobenzene	12.77	156	323367	47.615	ug/l	95
78) n-propylbenzene	12.83	91	1382874	43.581	ug/l	100
79) 2-Chlorotoluene	12.91	91	776223	44.458	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1030458	45.852	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	63353	43.931	ug/l	97
82) 4-Chlorotoluene	13.01	91	815546	44.117	ug/l	98
83) tert-Butylbenzene	13.23	119	871130	44.586	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1057180	46.782	ug/l	99
85) sec-Butylbenzene	13.41	105	1176085	43.858	ug/l	100
86) p-Isopropyltoluene	13.53	119	1133896	44.789	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	577003	44.765	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	567009	44.556	ug/l	99
89) n-Butylbenzene	13.85	91	1013686	44.092	ug/l	99
90) Hexachloroethane	14.12	117	206593	43.630	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	503628	45.719	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	33986	50.015	ug/l	94

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

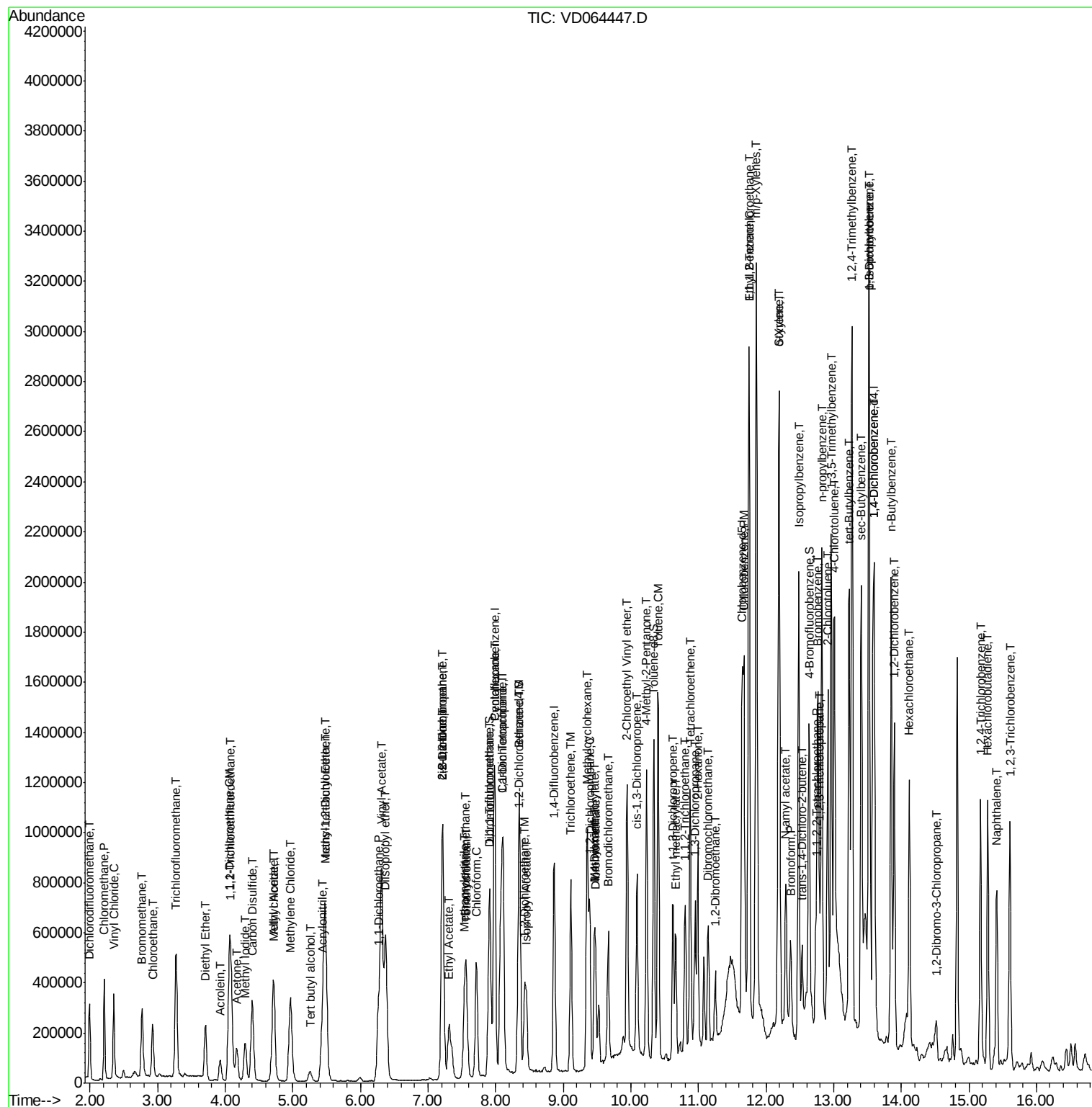
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	364975	43.262	ug/l	99
94) Hexachlorobutadiene	15.28	225	226574	43.504	ug/l	99
95) Naphthalene	15.41	128	647193	45.968	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	327581	45.489	ug/l	97

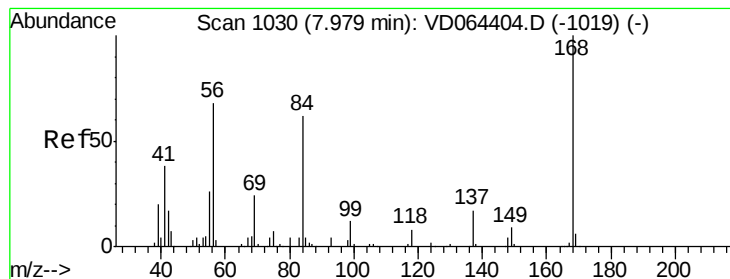
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120519\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

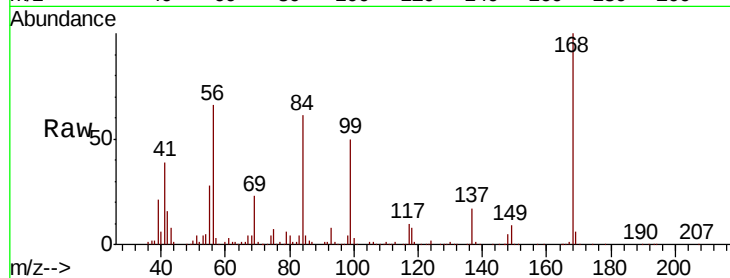
VSTDCCC050EC

Tot Ion:168 Resp: 491651

Ion Ratio Lower Upper

168 100

99 49.9 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

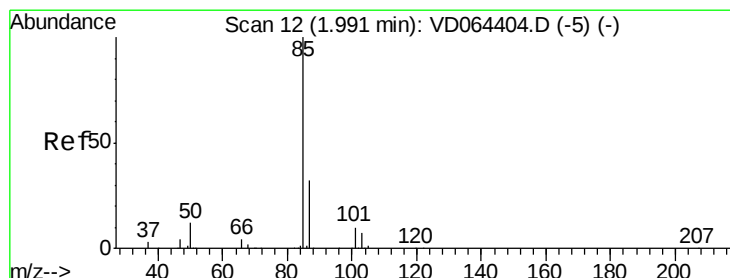
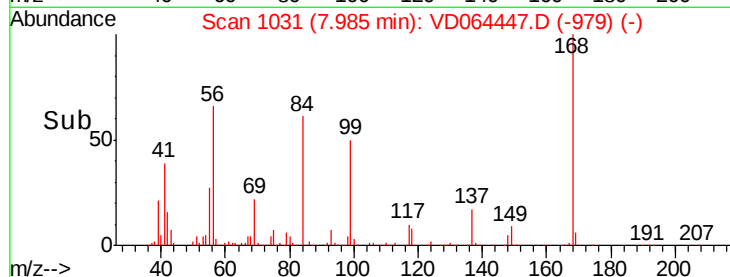
100000

50000

0

7.90 8.00 8.10 8.20

Time-->



#2

Dichlorodifluoromethane

Concen: 53.764 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064447.D

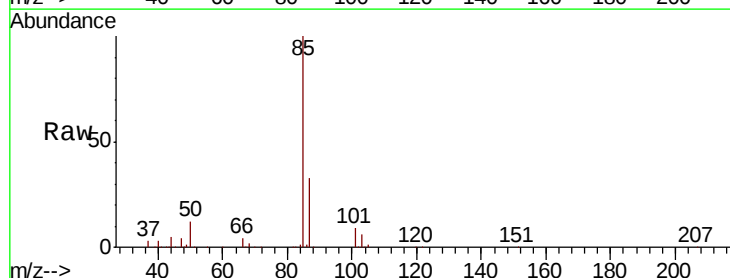
Acq: 05 Dec 2019 20:22

Tgt Ion: 85 Resp: 239508

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

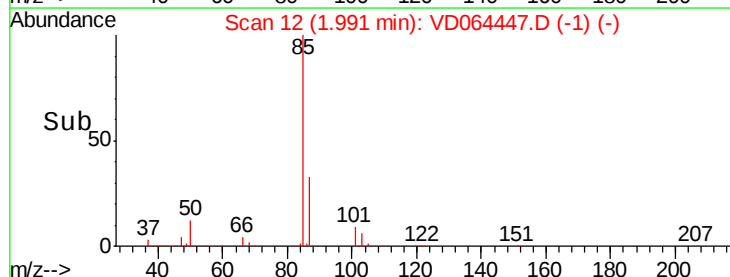
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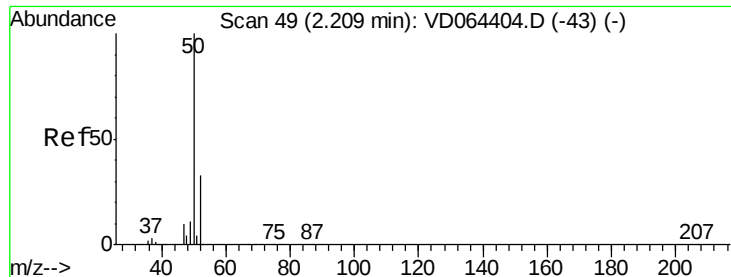
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 56.540 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

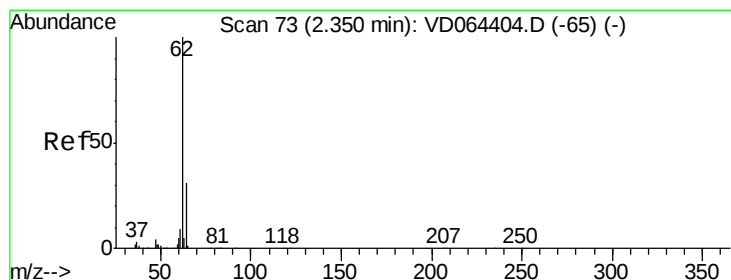
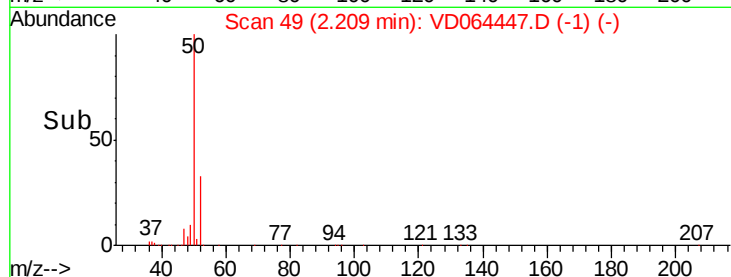
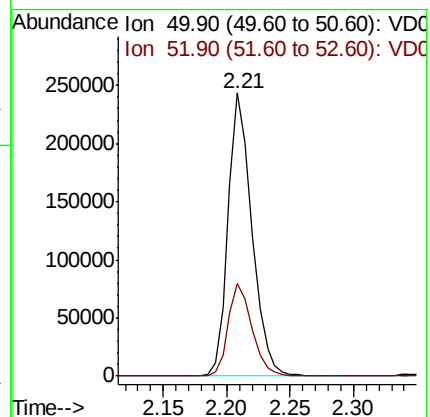
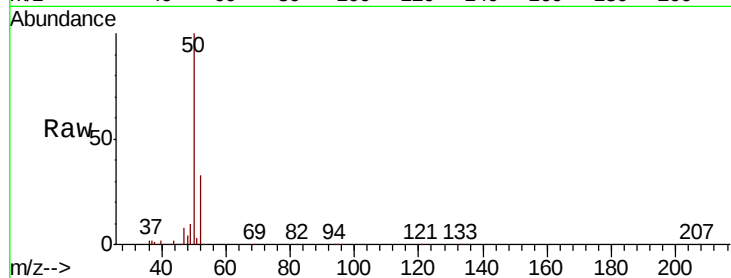
VSTDCCC050EC

Tot Ion: 50 Resp: 317686

Ion Ratio Lower Upper

50 100

52 32.9 26.7 40.1



#4

Vinyl Chloride

Concen: 47.606 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064447.D

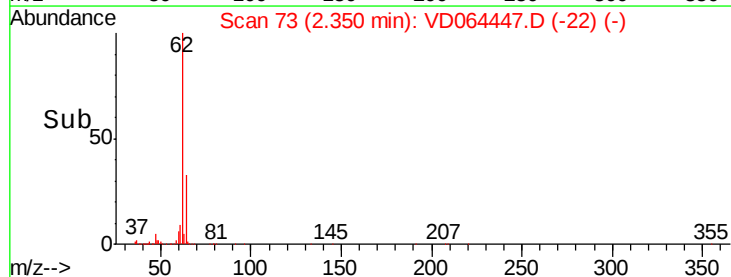
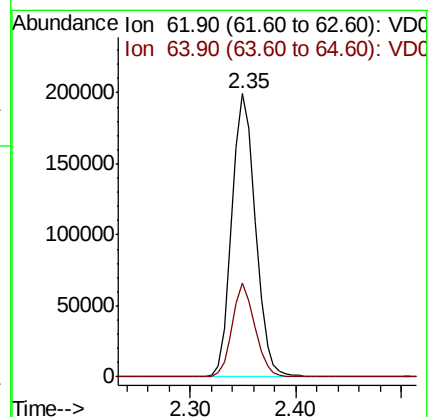
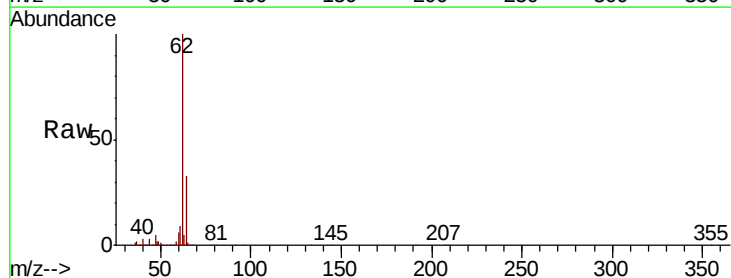
Acq: 05 Dec 2019 20:22

Tgt Ion: 62 Resp: 308844

Ion Ratio Lower Upper

62 100

64 33.1 25.0 37.4





#5

Bromomethane

Concen: 45.088 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

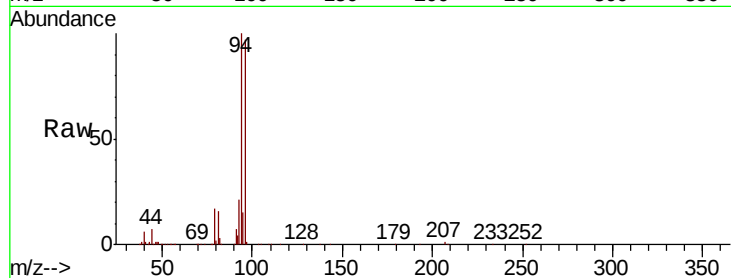
VSTDCCC050EC

Tot Ion: 94 Resp: 216313

Ion Ratio Lower Upper

94 100

96 97.0 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

100000

80000

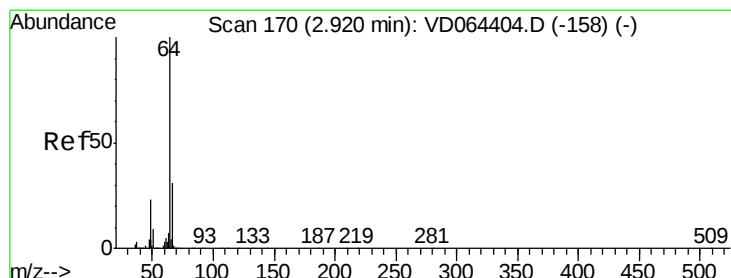
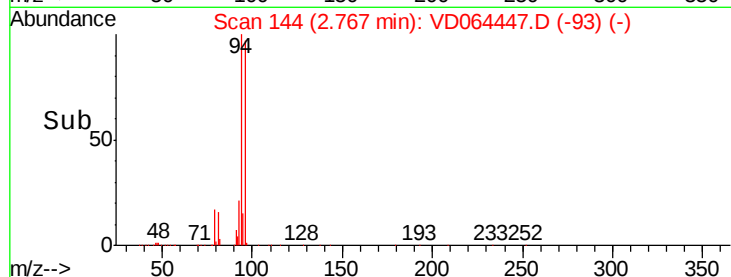
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 49.875 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064447.D

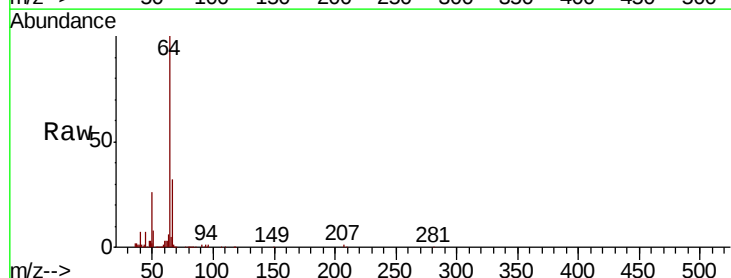
Acq: 05 Dec 2019 20:22

Tgt Ion: 64 Resp: 216269

Ion Ratio Lower Upper

64 100

66 31.7 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

120000

100000

80000

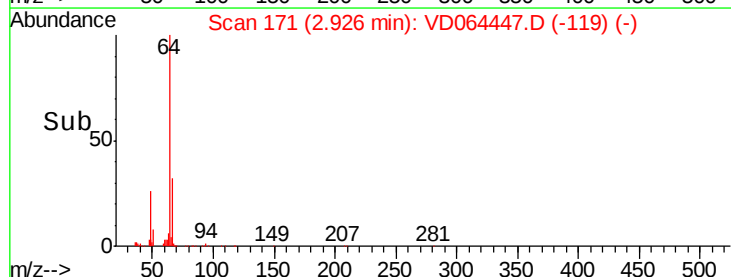
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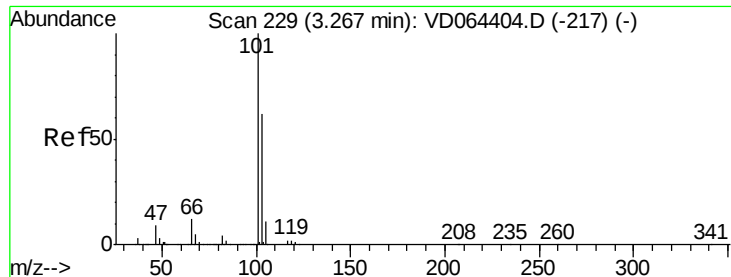
40000

20000

0

Time-->



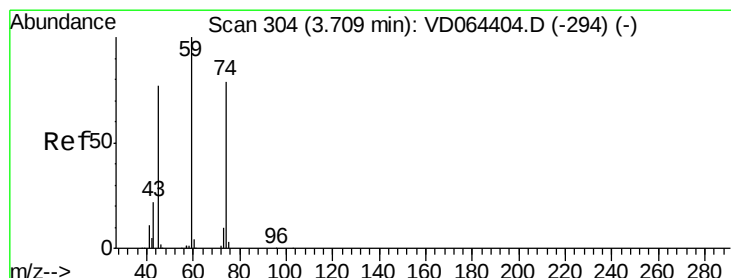
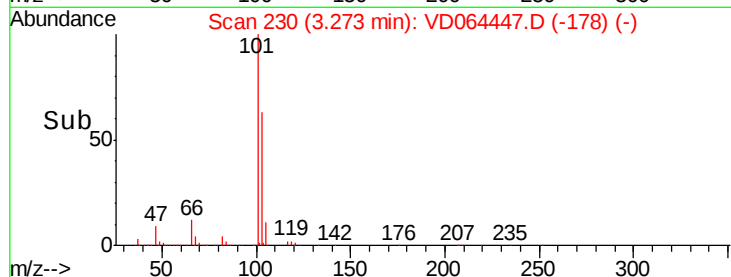
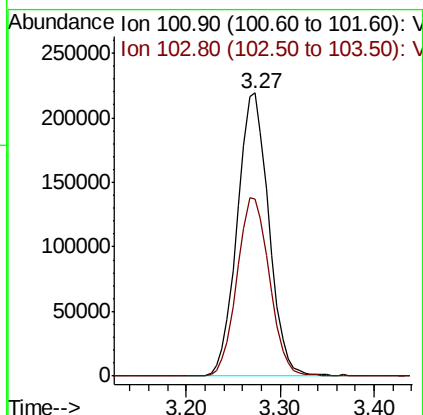
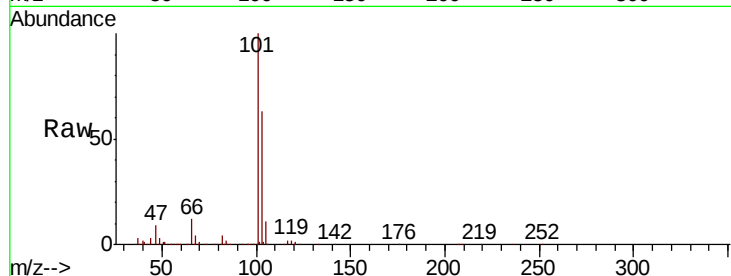


#7

Trichlorofluoromethane
 Concen: 47.316 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
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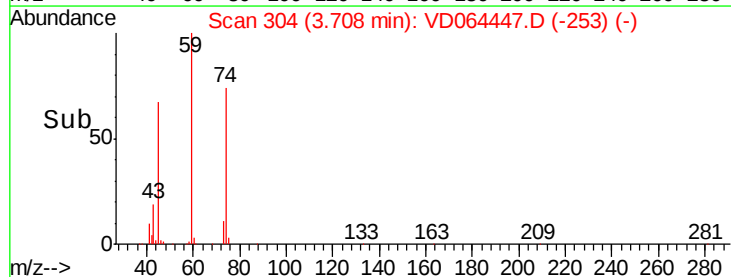
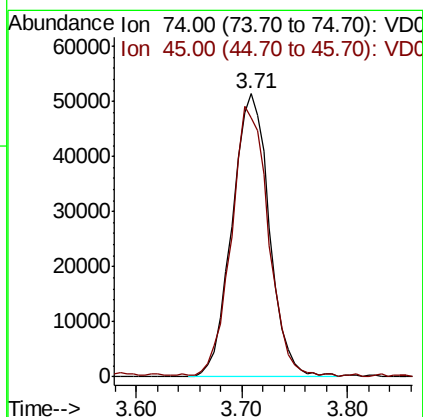
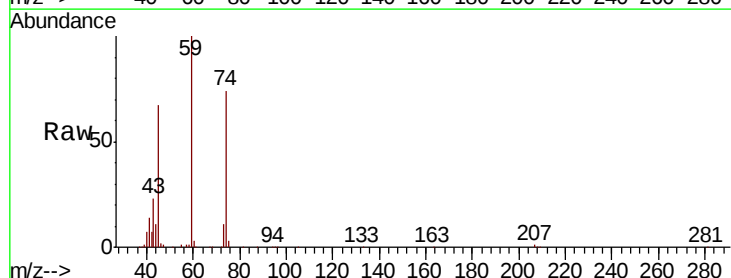
Tot Ion:101 Resp: 510295
 Ion Ratio Lower Upper
 101 100
 103 62.6 49.8 74.6

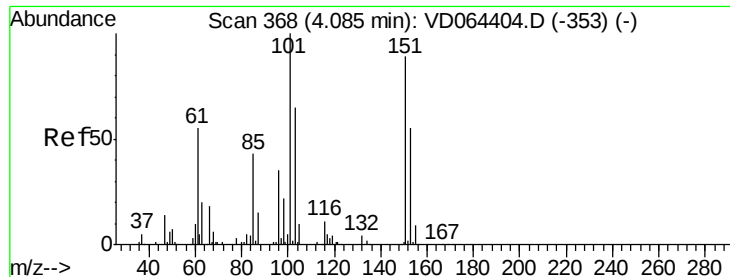


#8

Diethyl Ether
 Concen: 56.045 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Tgt Ion: 74 Resp: 125603
 Ion Ratio Lower Upper
 74 100
 45 94.1 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.534 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

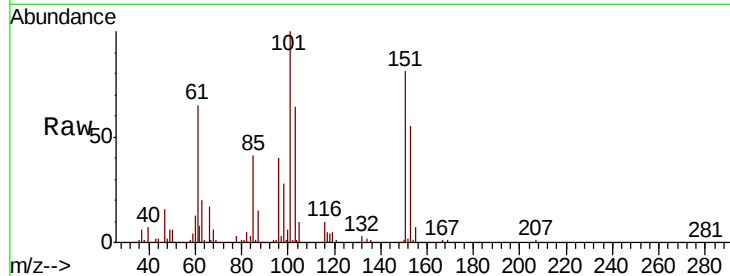
Tot Ion:101 Resp: 229056

Ion Ratio Lower Upper

101 100

85 43.1 34.8 52.2

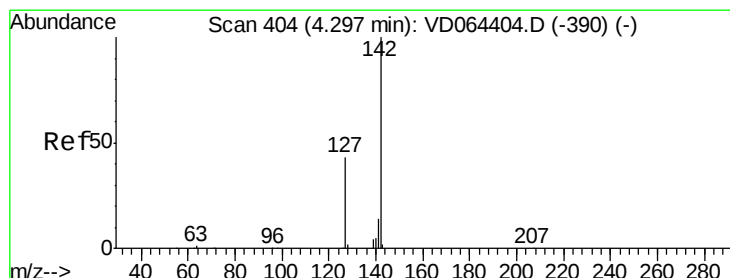
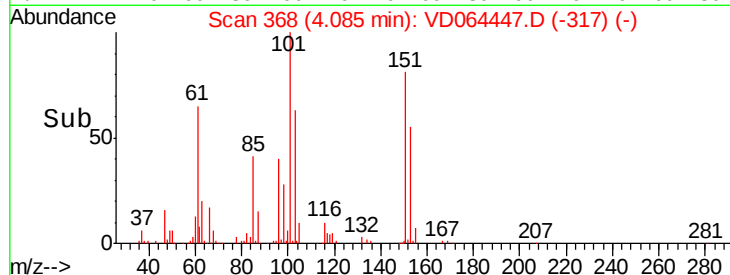
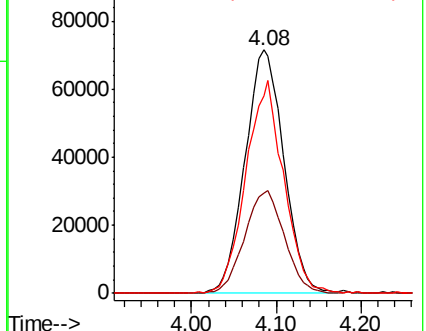
151 84.8 68.8 103.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.179 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

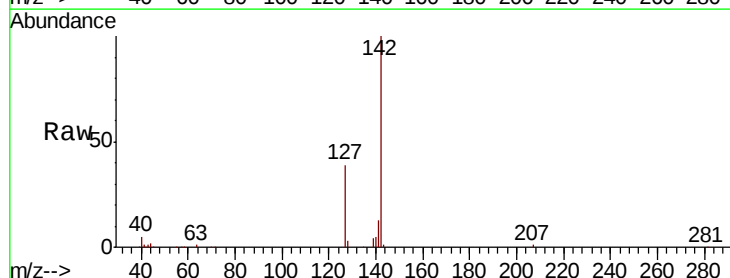
Tgt Ion:142 Resp: 259692

Ion Ratio Lower Upper

142 100

127 43.9 35.3 52.9

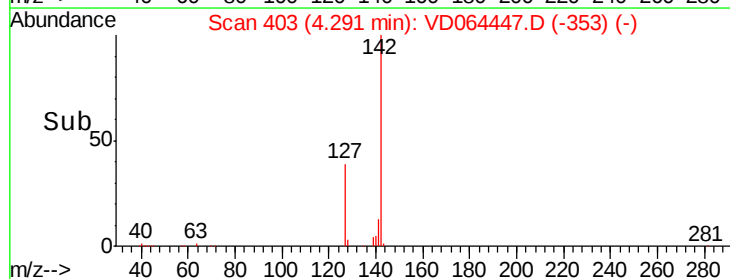
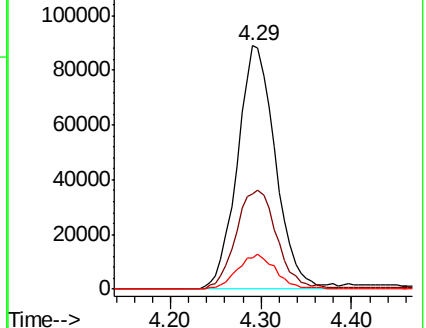
141 14.6 11.6 17.4

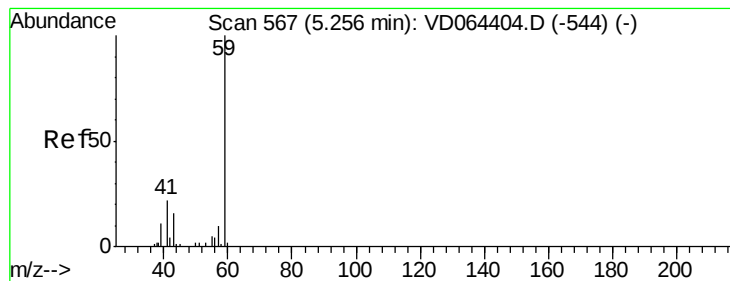


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



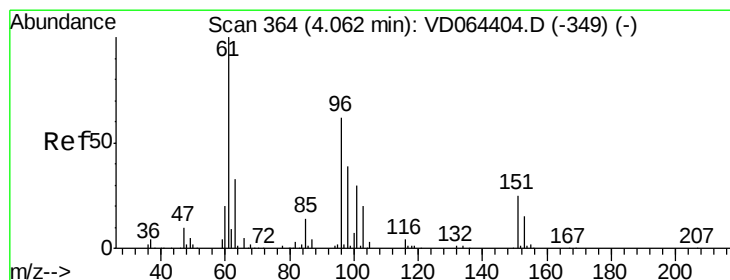
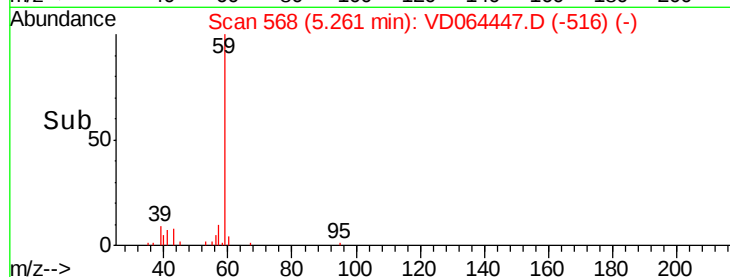
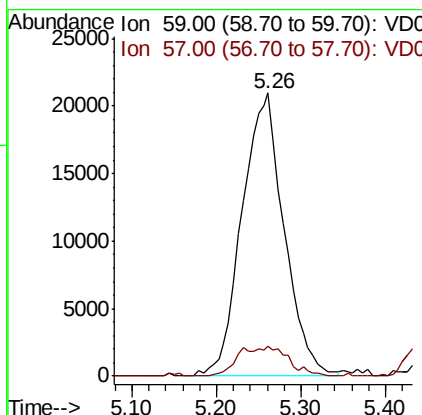
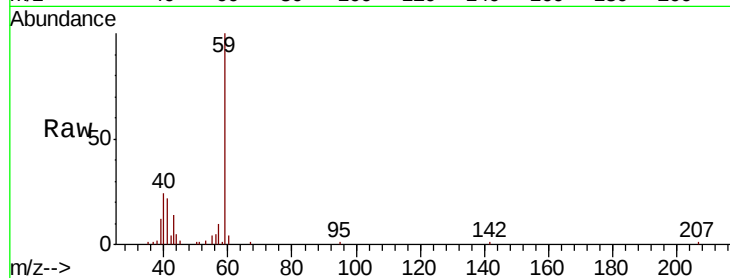


#11

Tert butyl alcohol
Concen: 255.772 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.01 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

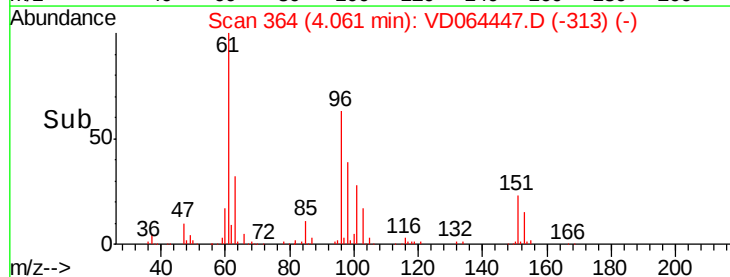
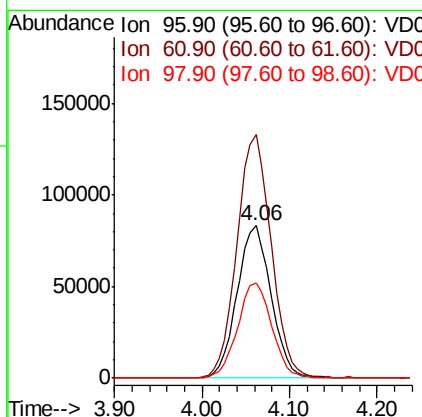
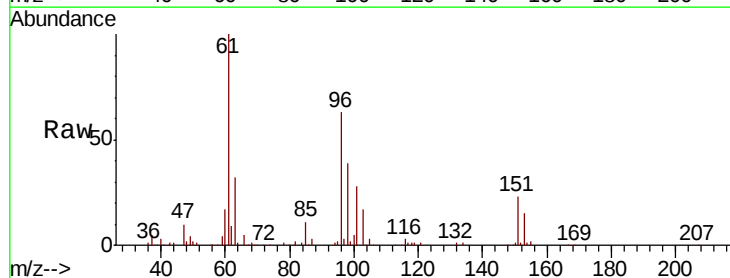
Tot Ion: 59 Resp: 72454
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

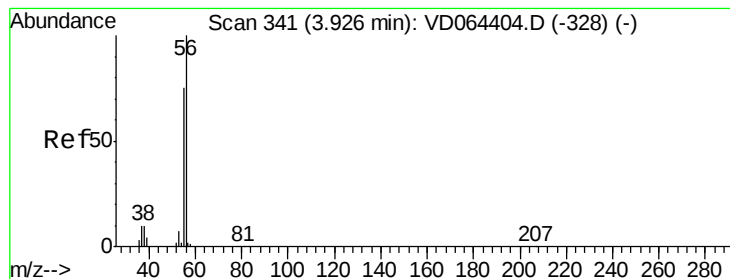


#12

1,1-Dichloroethene
Concen: 49.656 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion: 96 Resp: 220052
Ion Ratio Lower Upper
96 100
61 159.9 128.2 192.4
98 62.3 50.4 75.6





#13

Acrolein

Concen: 257.333 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

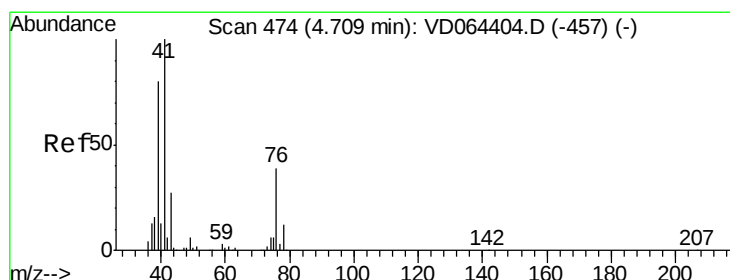
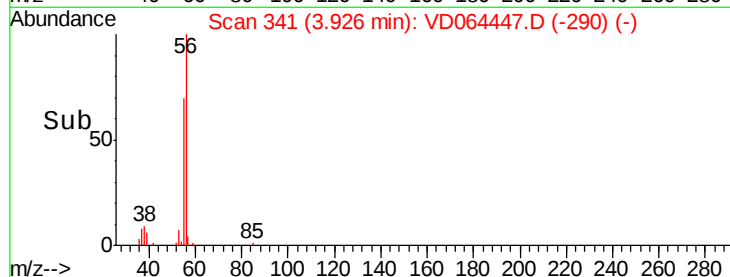
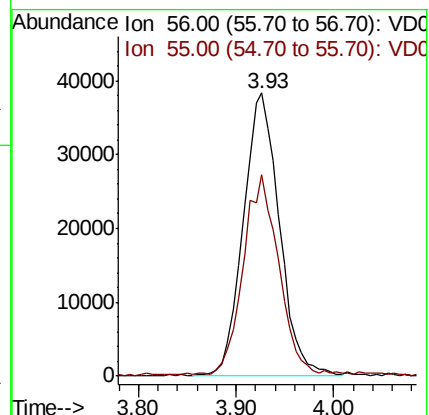
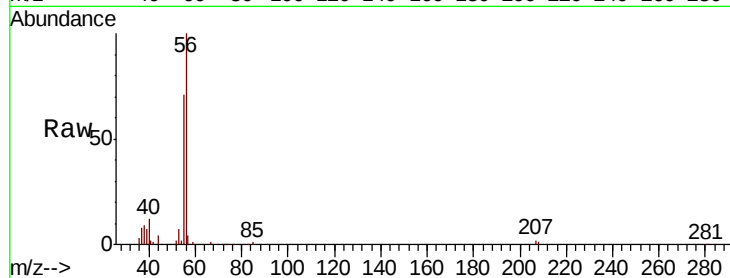
VSTDCCC050EC

Tot Ion: 56 Resp: 99429

Ion Ratio Lower Upper

56 100

55 69.6 56.9 85.3



#14

Allyl chloride

Concen: 52.186 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

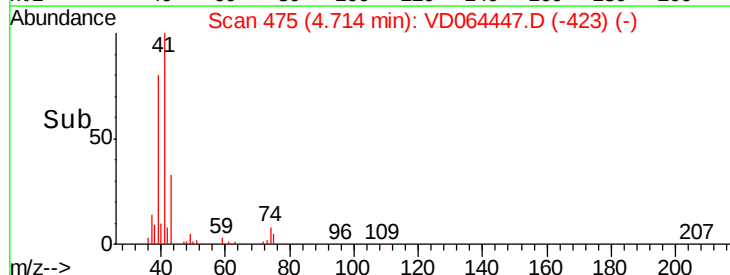
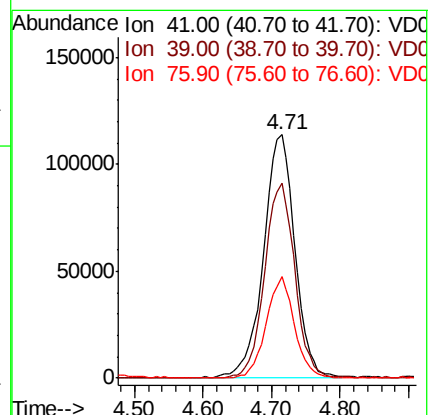
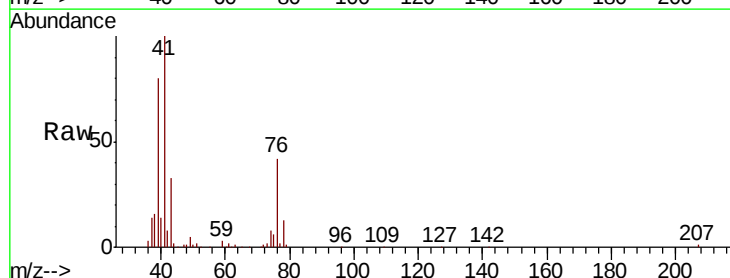
Tgt Ion: 41 Resp: 360917

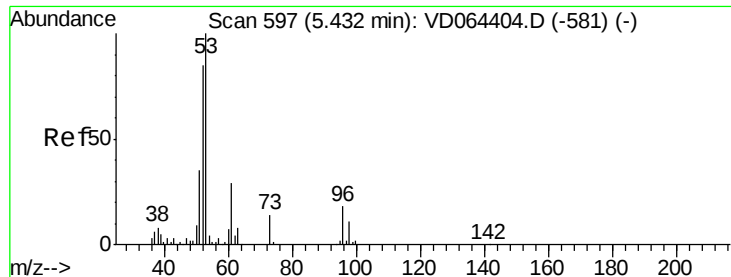
Ion Ratio Lower Upper

41 100

39 77.9 62.1 93.1

76 37.8 29.8 44.8





#15

Acrylonitrile

Concen: 260.983 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

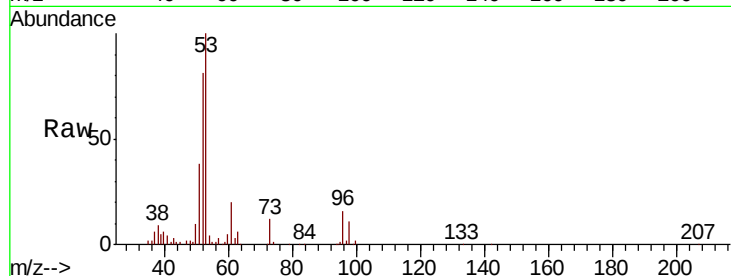
Tot Ion: 53 Resp: 255768

Ion Ratio Lower Upper

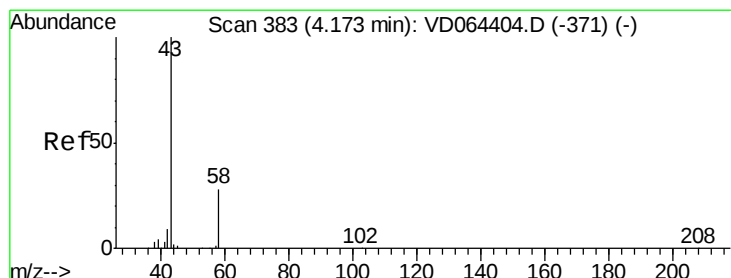
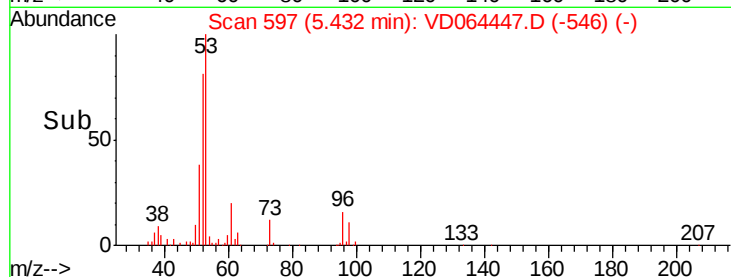
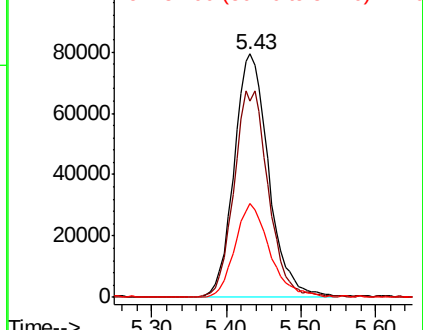
53 100

52 84.3 67.9 101.9

51 38.7 30.6 45.8



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 254.427 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064447.D

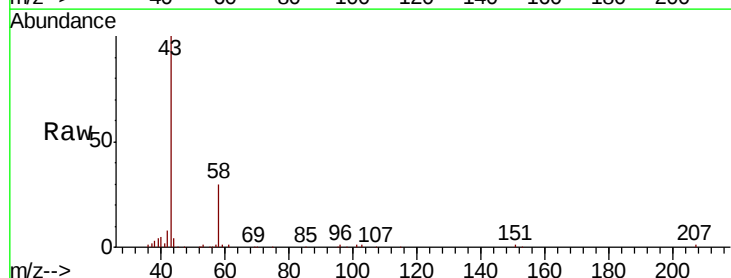
Acq: 05 Dec 2019 20:22

Tgt Ion: 43 Resp: 228803

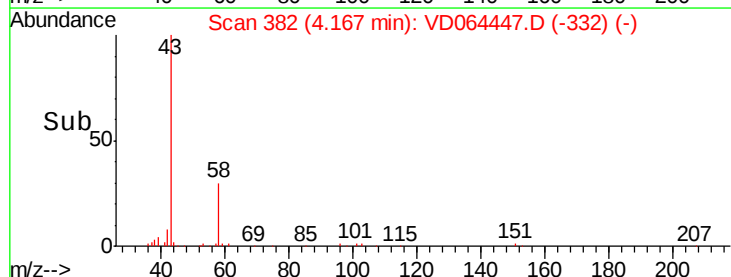
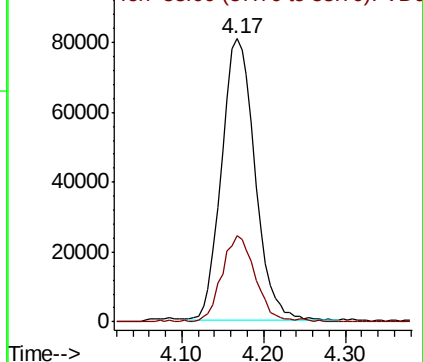
Ion Ratio Lower Upper

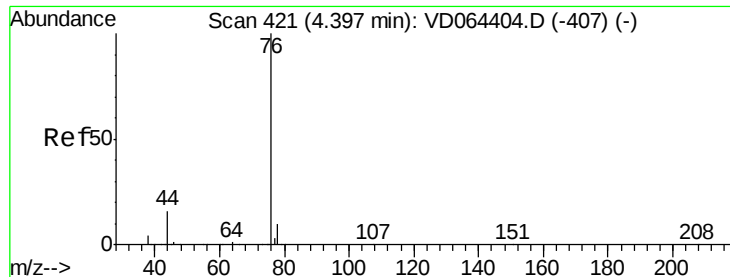
43 100

58 30.5 22.6 33.8



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

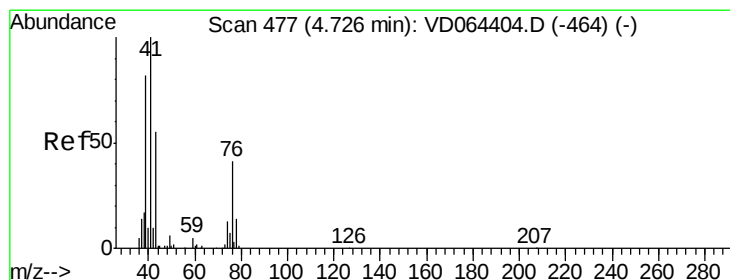
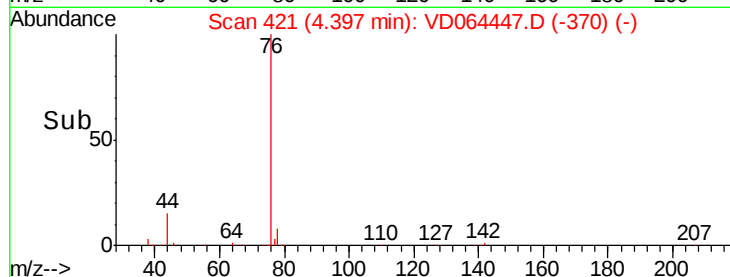
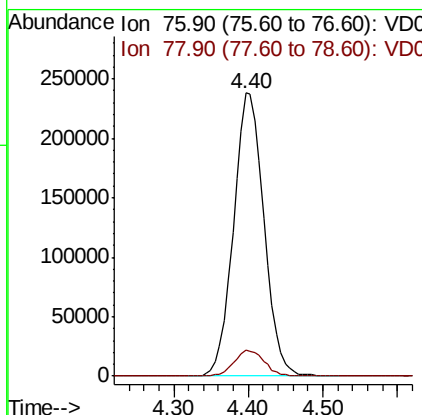
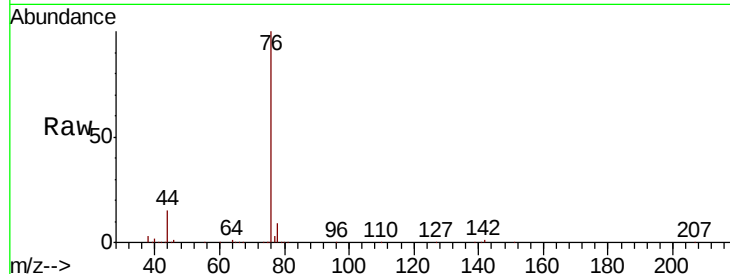




#17
Carbon Disulfide
Concen: 47.981 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

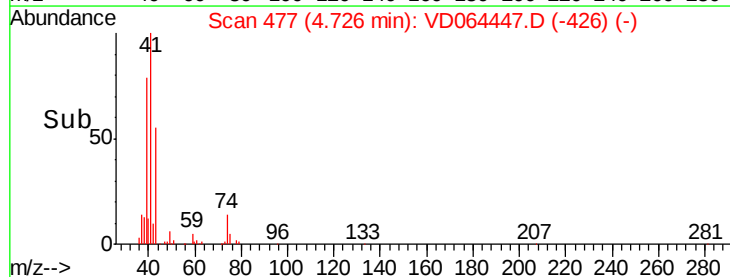
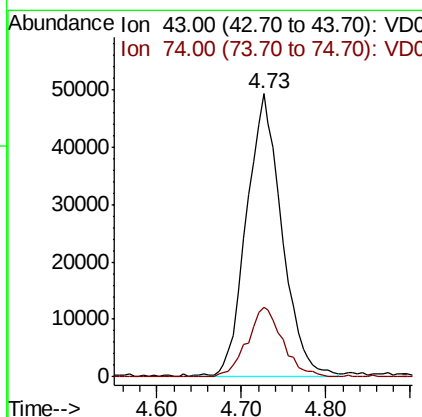
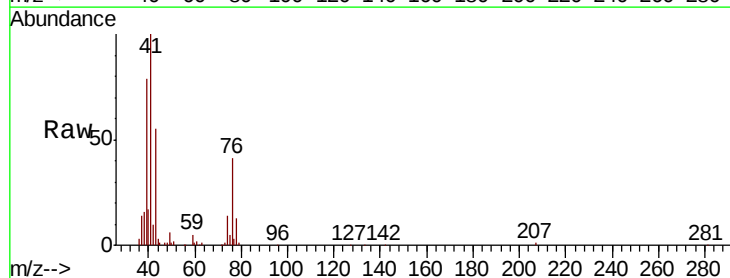
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

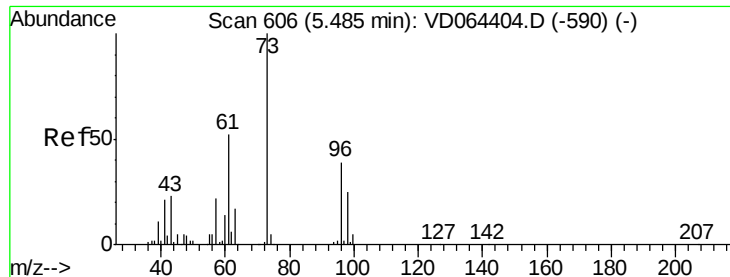
Tot Ion: 76 Resp: 673420
Ion Ratio Lower Upper
76 100
78 9.1 7.8 11.8



#18
Methyl Acetate
Concen: 54.996 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion: 43 Resp: 144264
Ion Ratio Lower Upper
43 100
74 24.3 19.7 29.5



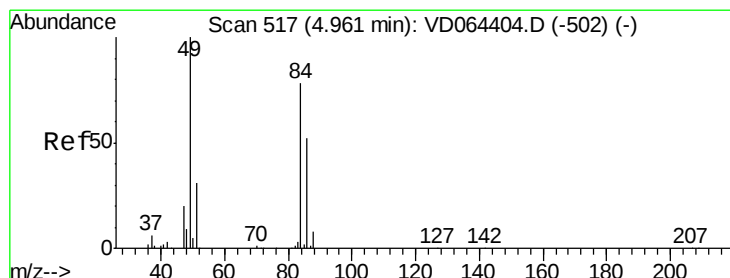
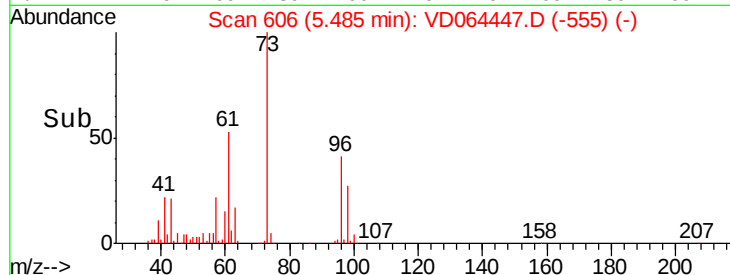
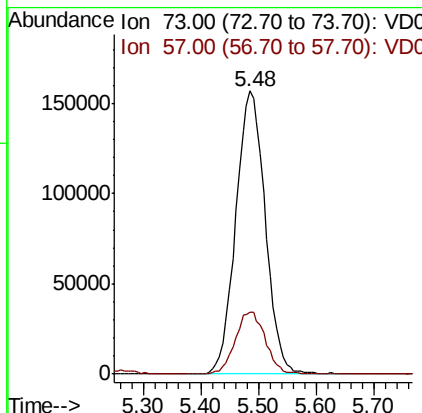
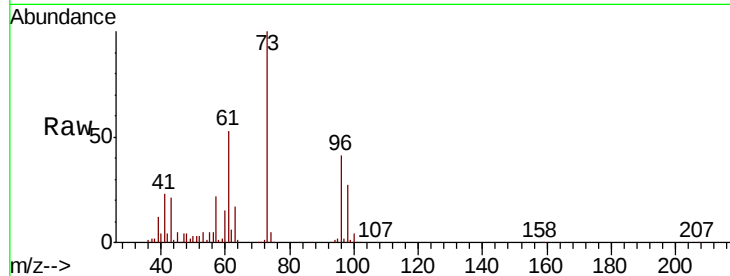


#19

Methyl tert-butyl Ether
 Concen: 54.693 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

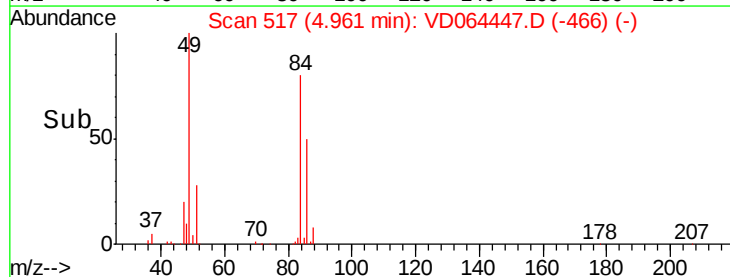
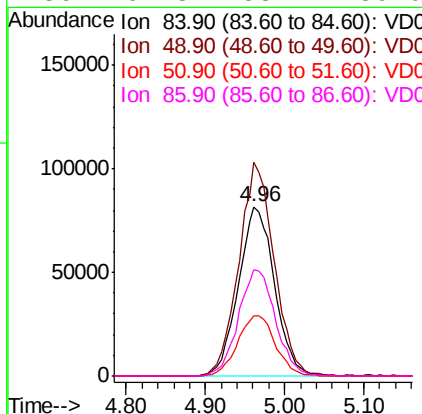
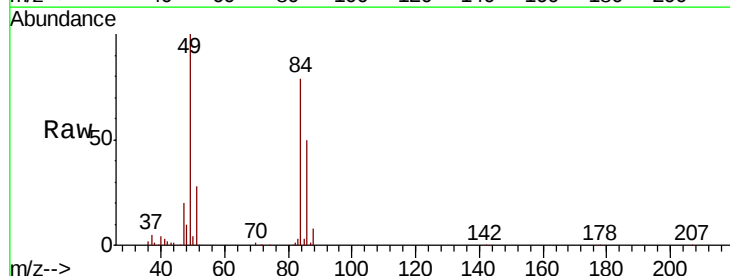
Tot Ion: 73 Resp: 555965
 Ion Ratio Lower Upper
 73 100
 57 21.8 17.6 26.4

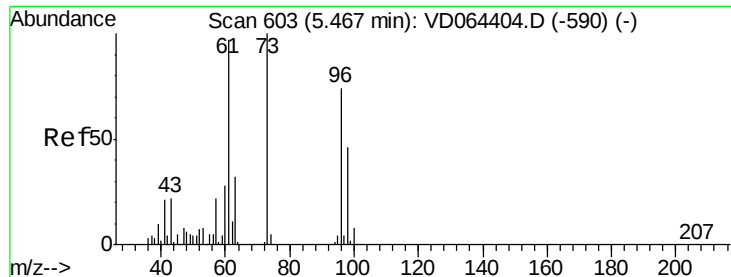


#20

Methylene Chloride
 Concen: 57.073 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Tgt Ion: 84 Resp: 257909
 Ion Ratio Lower Upper
 84 100
 49 126.3 102.6 153.8
 51 35.7 32.0 48.0
 86 62.8 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 49.765 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

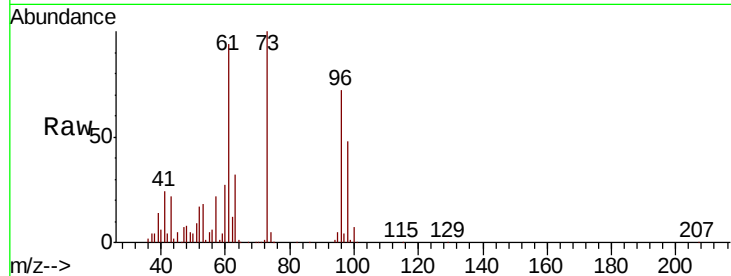
Tot Ion: 96 Resp: 249457

Ion Ratio Lower Upper

96 100

61 130.7 105.8 158.6

98 66.4 50.1 75.1

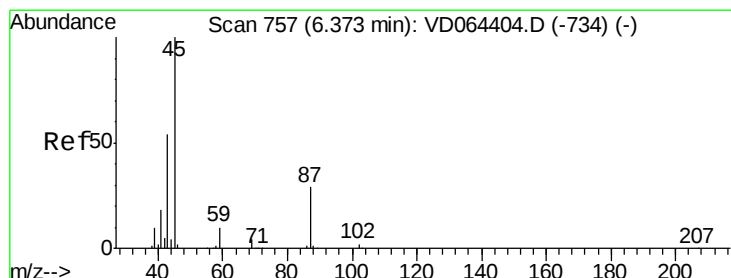
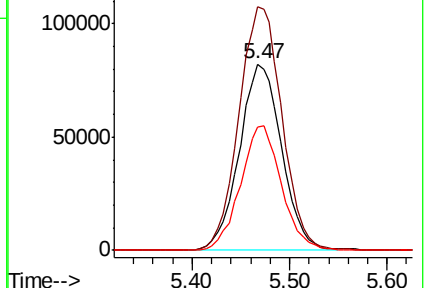
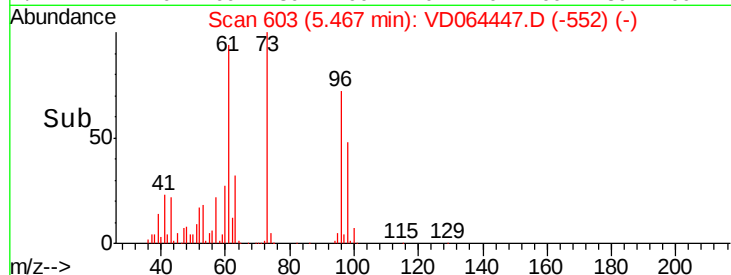


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 54.672 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Tgt Ion: 45 Resp: 746433

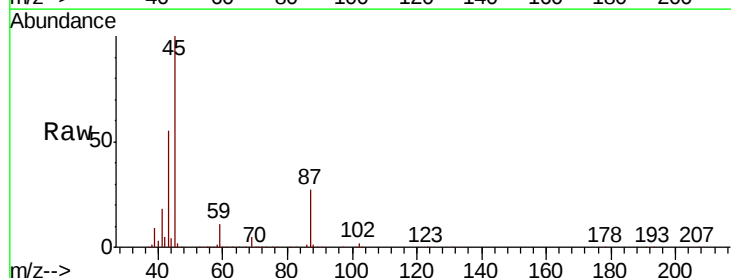
Ion Ratio Lower Upper

45 100

43 54.2 43.1 64.7

87 26.8 23.5 35.3

59 11.1 8.2 12.2



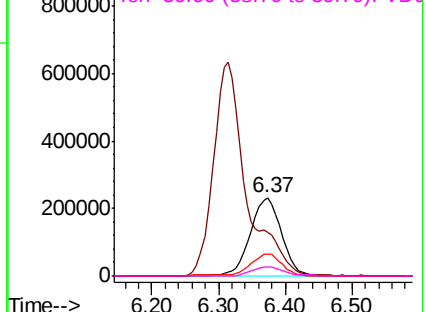
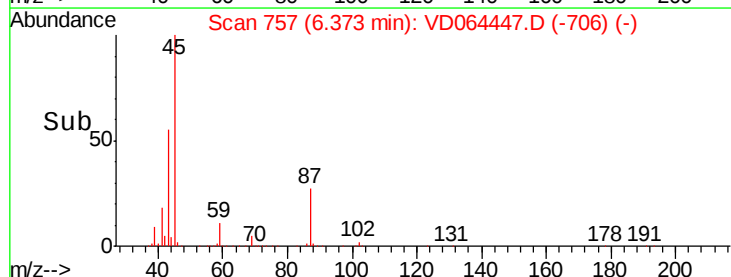
Abundance

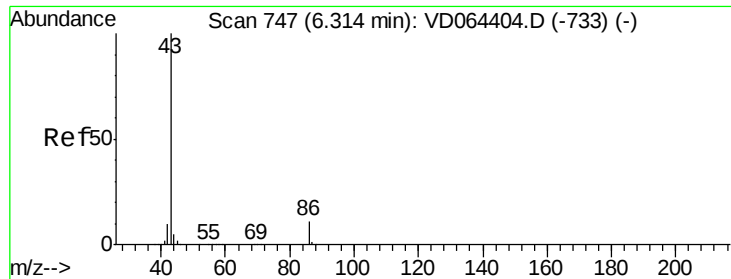
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC

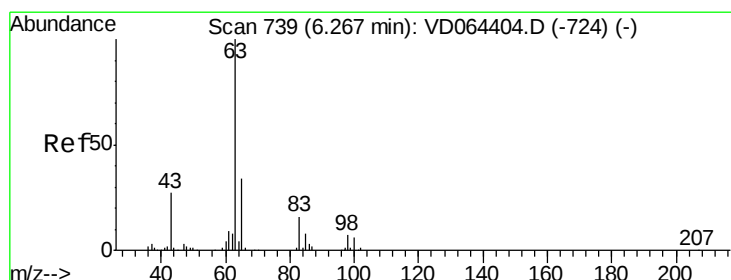
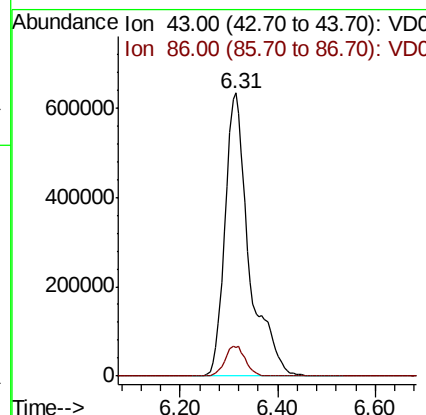
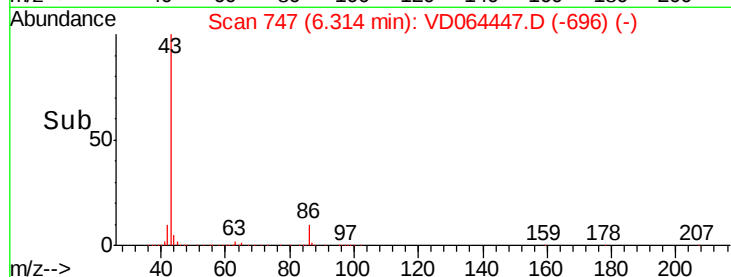
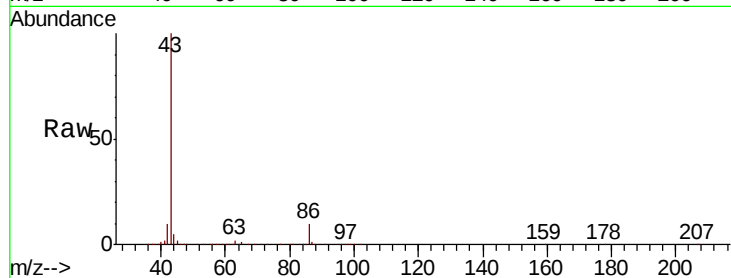




#23
 Vinyl Acetate
 Concen: 269.968 ug/l
 RT: 6.31 min Scan# 747
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

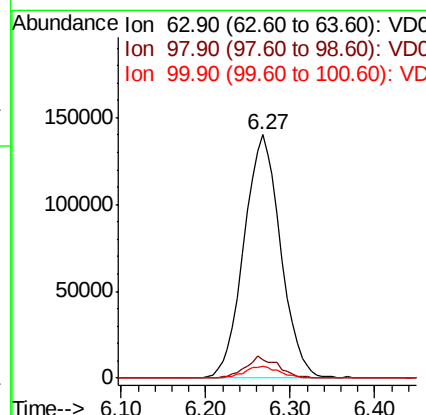
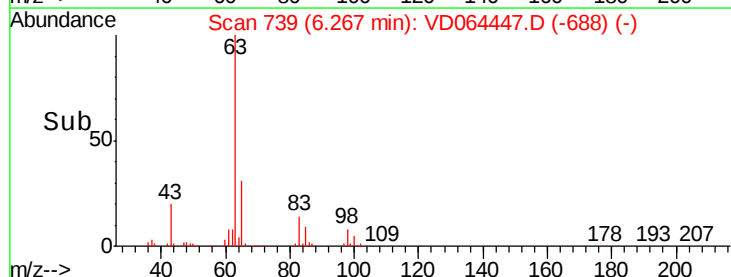
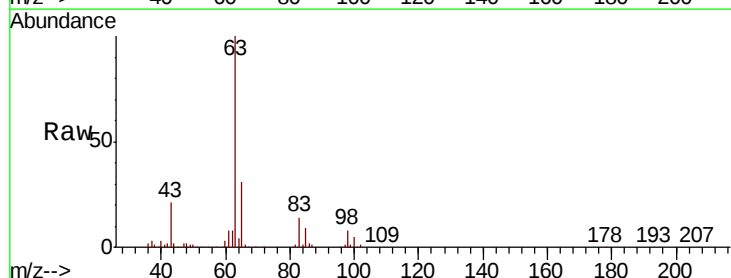
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

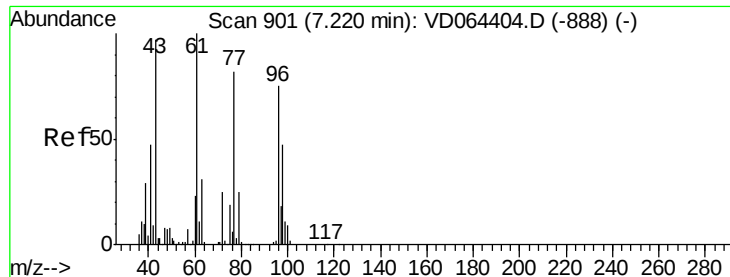
Tot Ion: 43 Resp: 2172928
 Ion Ratio Lower Upper
 43 100
 86 10.0 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 51.490 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Tgt Ion: 63 Resp: 422763
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.6 10.9
 100 4.9 2.9 8.6





#25

2-Butanone

Concen: 253.236 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

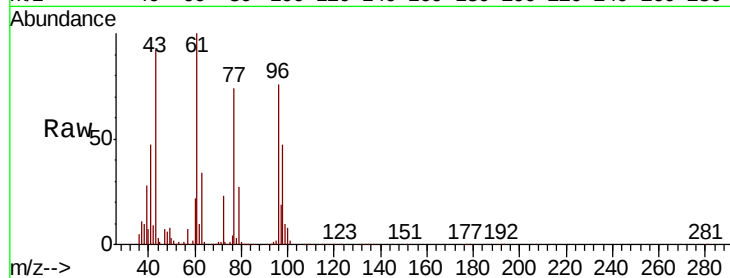
VSTDCCC050EC

Tot Ion: 43 Resp: 322060

Ion Ratio Lower Upper

43 100

72 25.4 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

100000

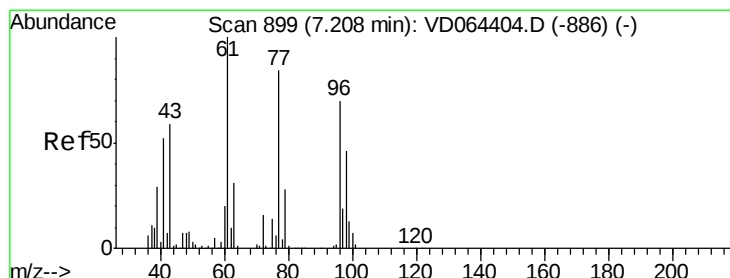
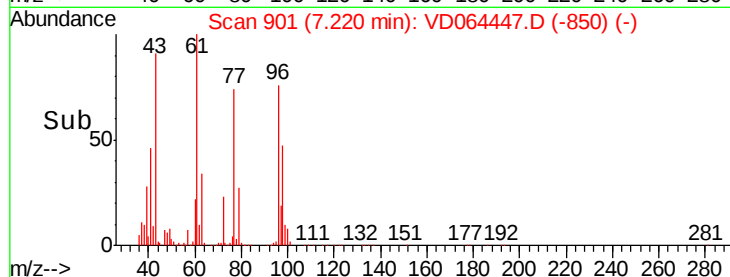
50000

0

7.10 7.15 7.20 7.25 7.30

7.22

Time-->



#26

2,2-Dichloropropane

Concen: 49.454 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD064447.D

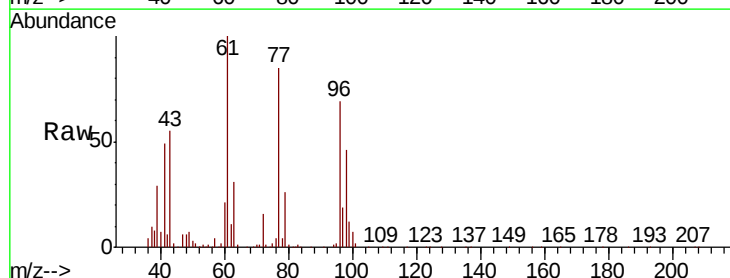
Acq: 05 Dec 2019 20:22

Tgt Ion: 77 Resp: 353125

Ion Ratio Lower Upper

77 100

97 24.0 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

100000

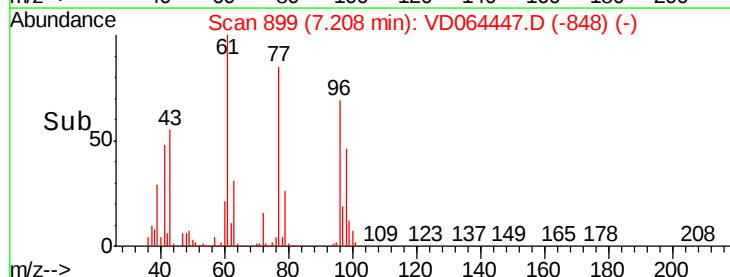
50000

0

7.10 7.15 7.20 7.25 7.30

7.21

Time-->

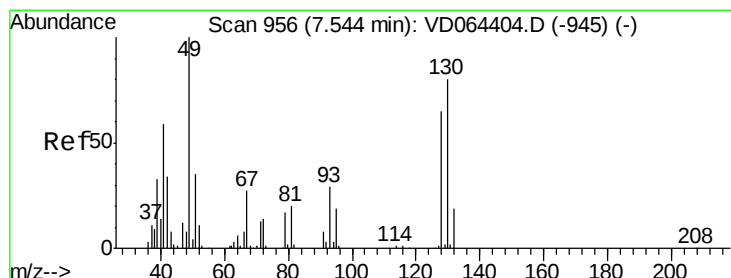
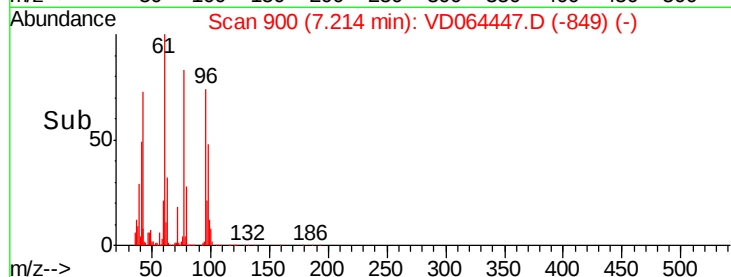
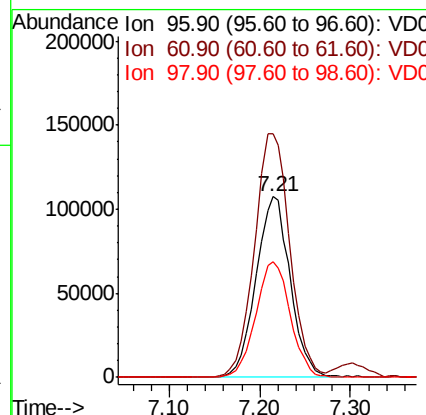
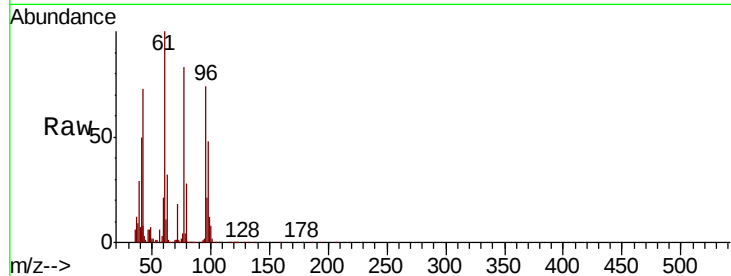




#27
 cis-1,2-Dichloroethene
 Concen: 51.678 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

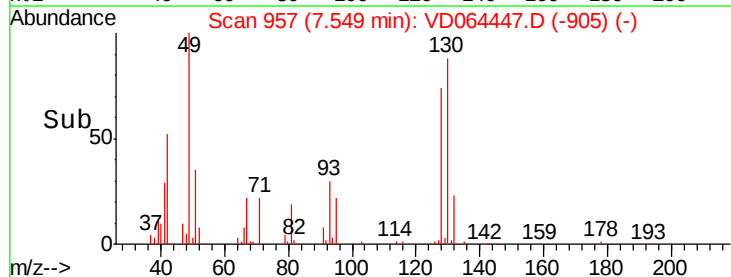
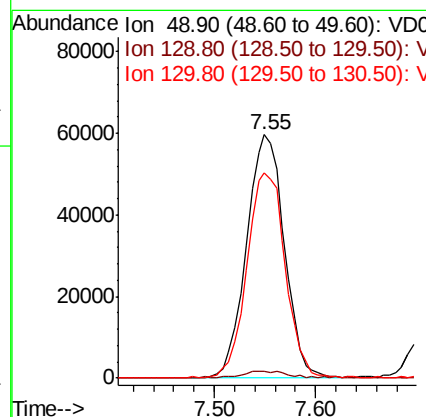
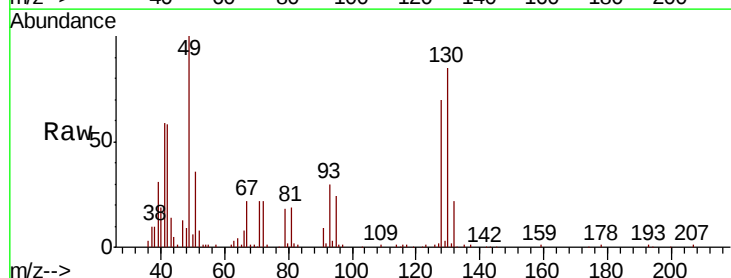
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

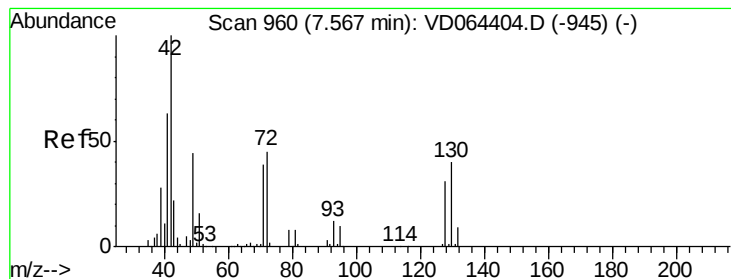
Tot Ion: 96 Resp: 282421
 Ion Ratio Lower Upper
 96 100
 61 139.3 0.0 279.6
 98 64.6 0.0 129.2



#28
 Bromochloromethane
 Concen: 54.952 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Tgt Ion: 49 Resp: 154195
 Ion Ratio Lower Upper
 49 100
 129 3.3 0.0 4.4
 130 85.5 67.4 101.0





#29

Tetrahydrofuran

Concen: 256.813 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

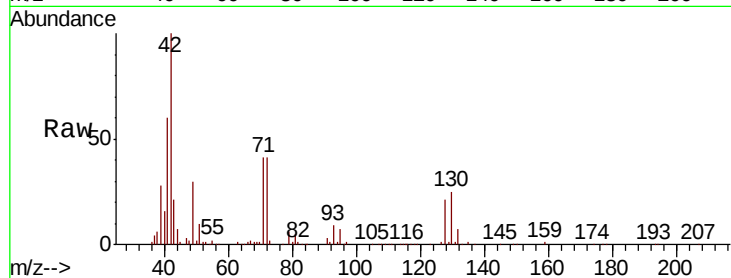
Tot Ion: 42 Resp: 207797

Ion Ratio Lower Upper

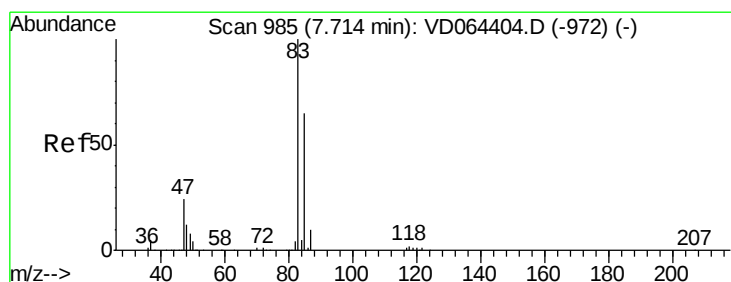
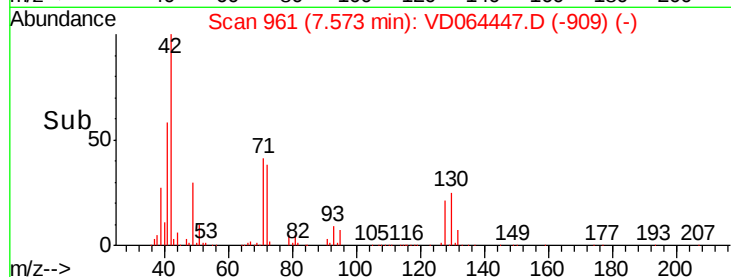
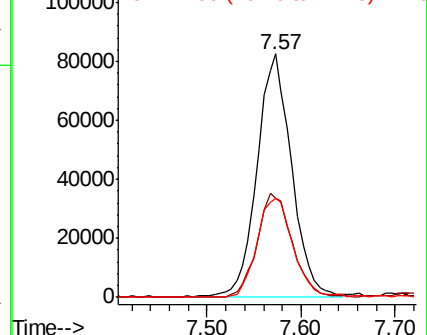
42 100

72 43.9 35.8 53.8

71 43.3 32.7 49.1



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 52.413 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD064447.D

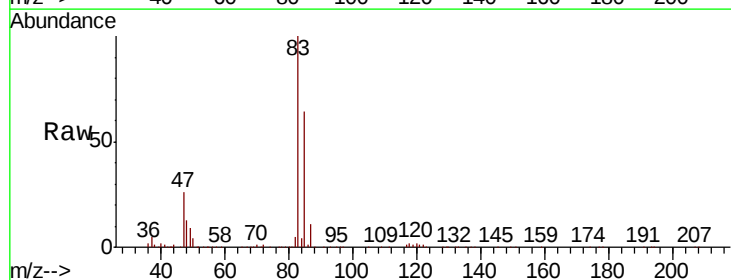
Acq: 05 Dec 2019 20:22

Tgt Ion: 83 Resp: 445688

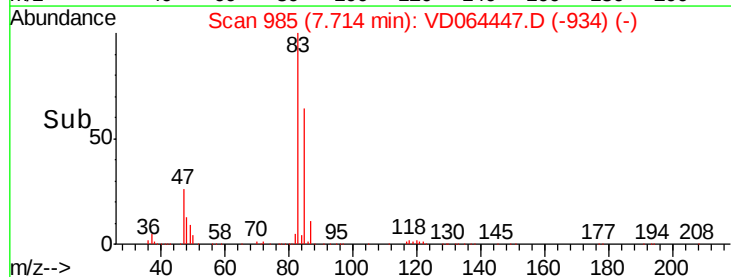
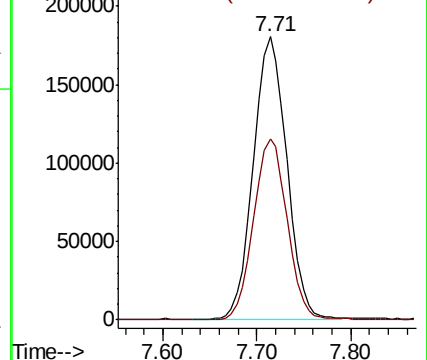
Ion Ratio Lower Upper

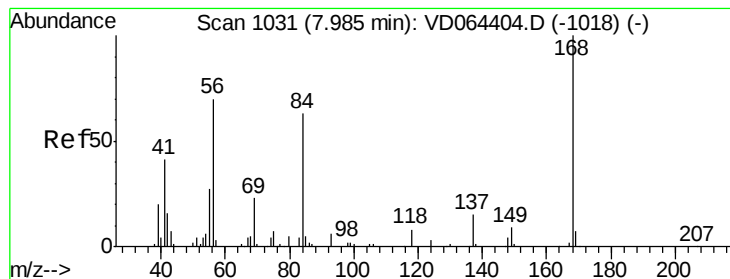
83 100

85 63.9 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 50.406 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

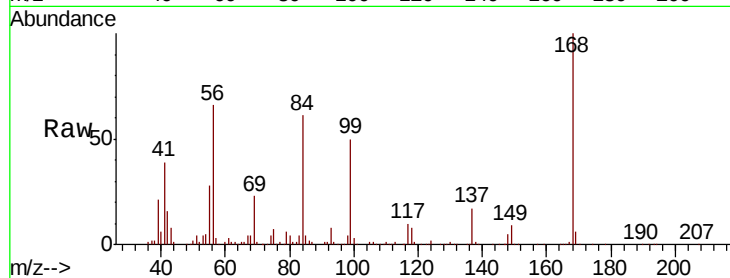
Tot Ion: 56 Resp: 361063

Ion Ratio Lower Upper

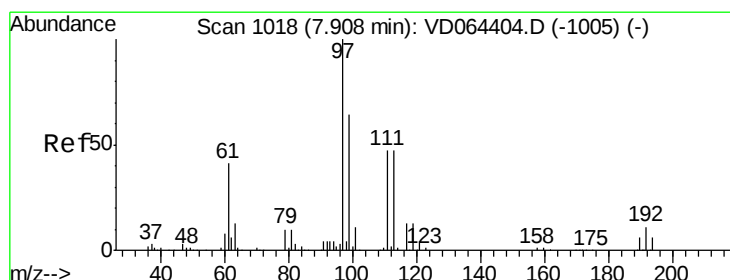
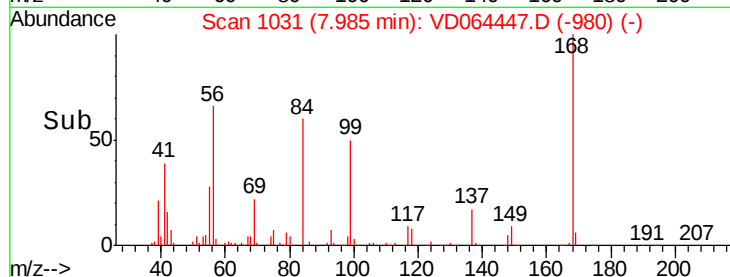
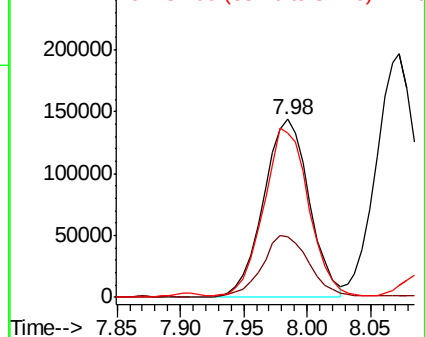
56 100

69 33.6 26.2 39.4

84 90.3 70.3 105.5



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 50.641 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

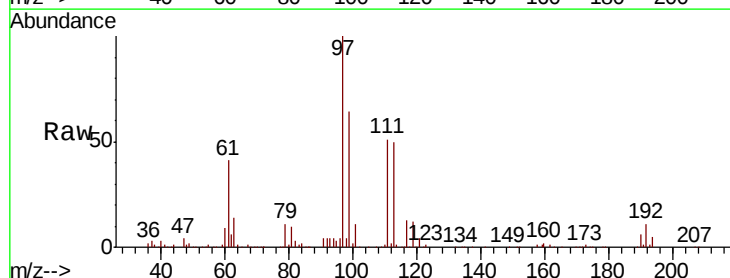
Tgt Ion: 97 Resp: 399231

Ion Ratio Lower Upper

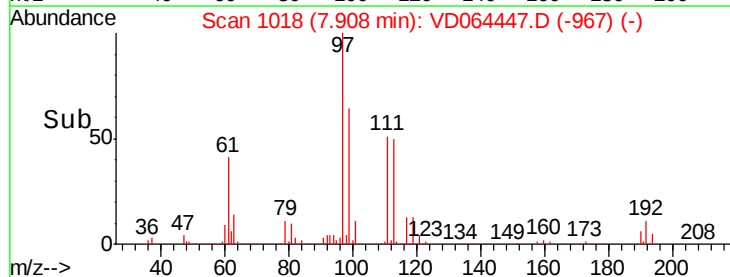
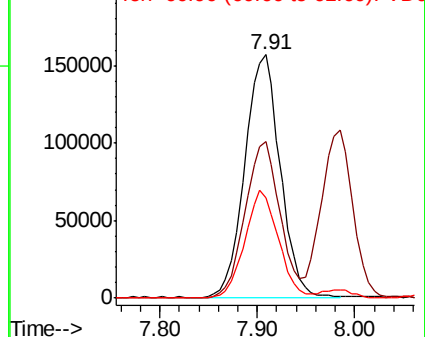
97 100

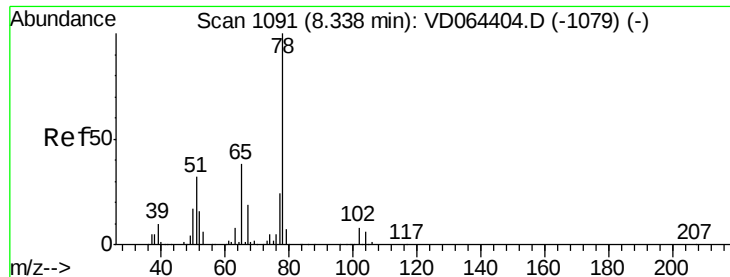
99 63.2 51.4 77.2

61 42.1 35.0 52.4



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

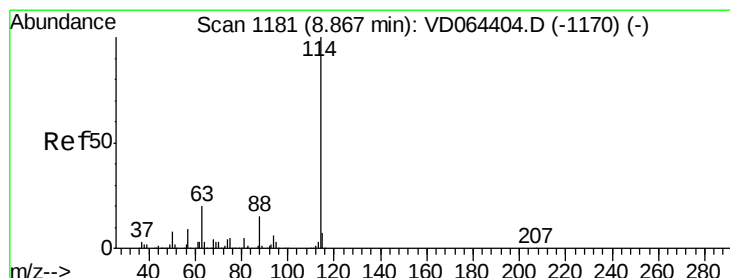
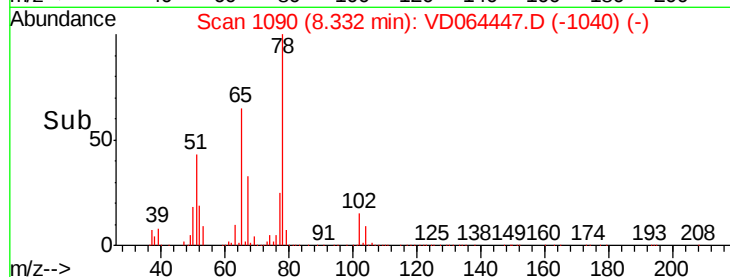
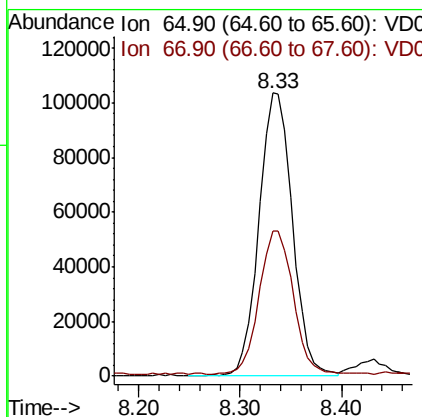
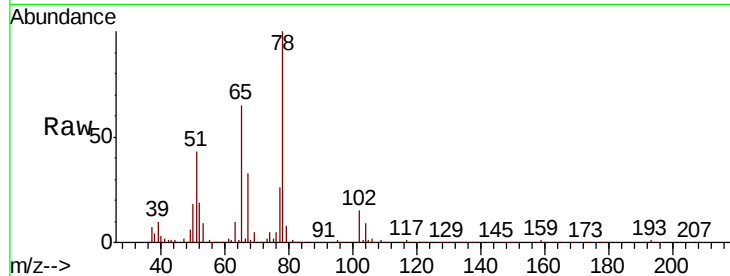




#33
 1,2-Dichloroethane-d4
 Concen: 53.034 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

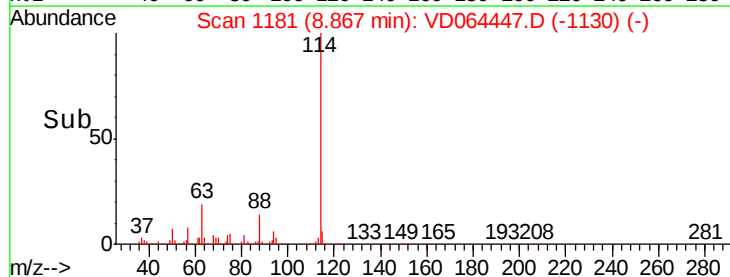
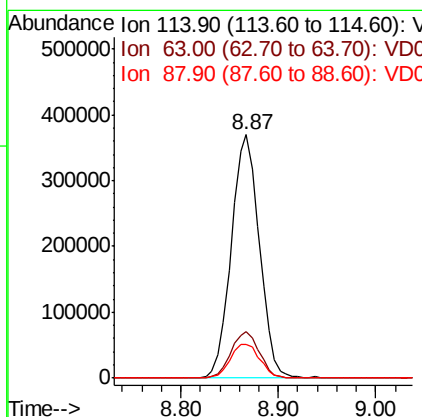
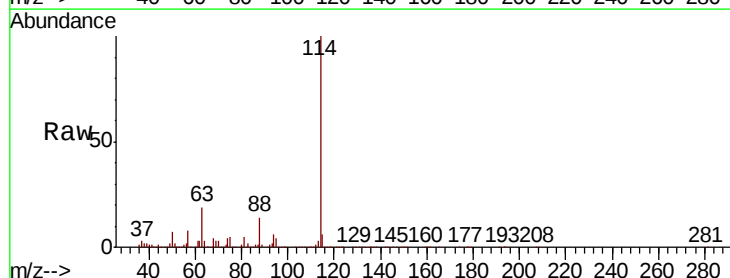
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

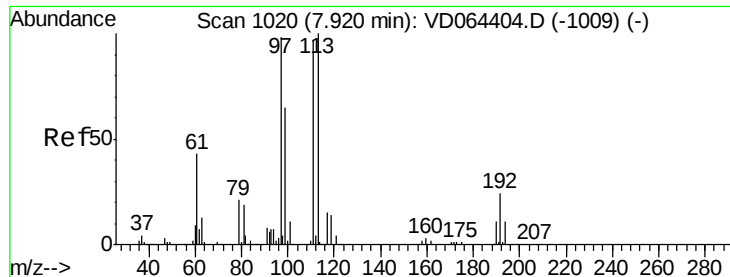
Tot Ion: 65 Resp: 236010
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Tgt Ion: 114 Resp: 740413
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 40.0
 88 14.1 0.0 29.2

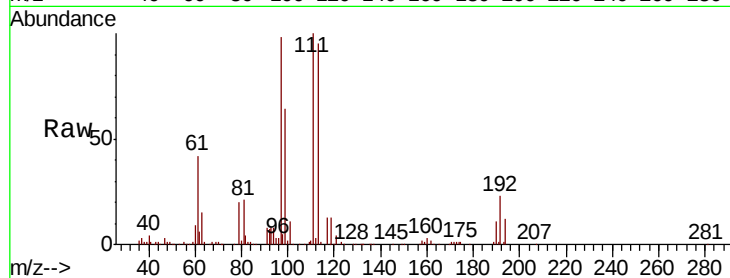




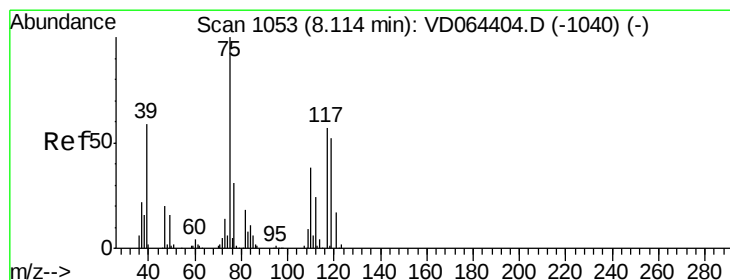
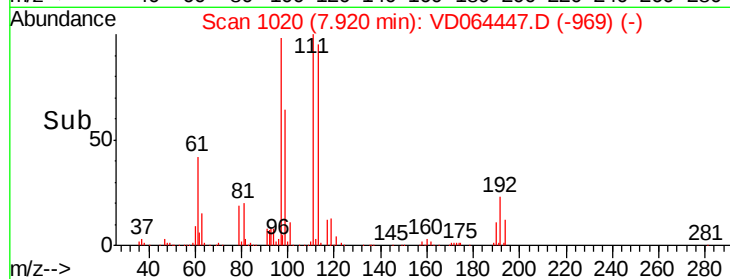
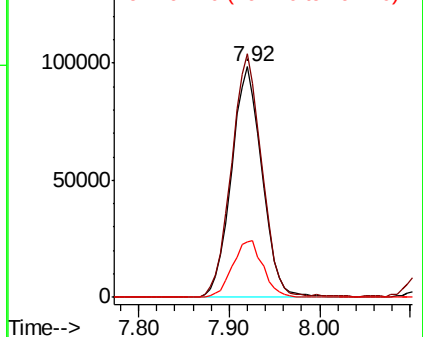
#35
 Dibromofluoromethane
 Concen: 49.502 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.8	79.4	119.2
192	24.5	18.6	28.0

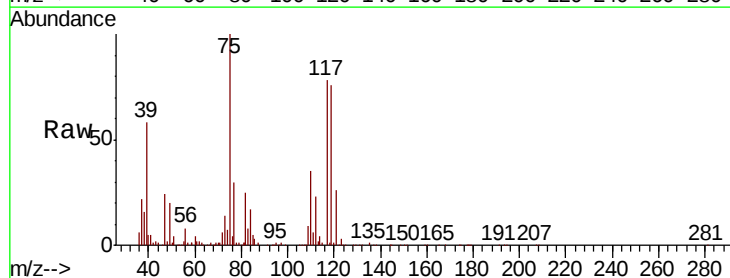


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

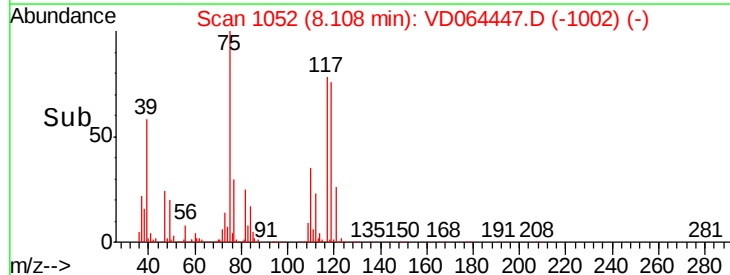
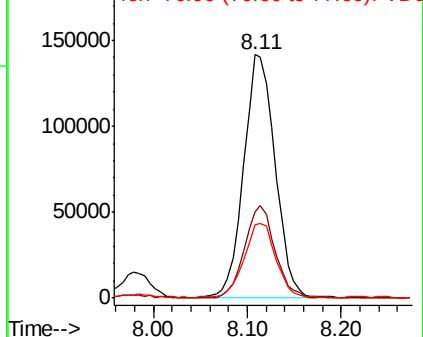


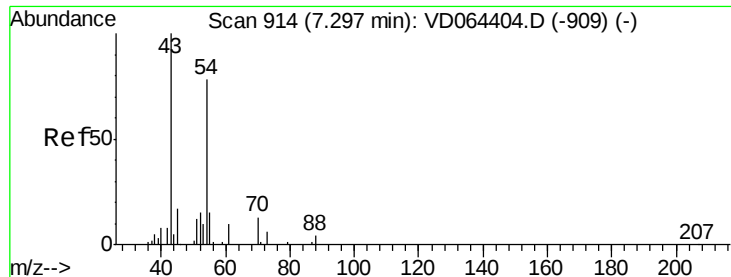
#36
 1,1-Dichloropropene
 Concen: 46.940 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.6	55.8
77	30.5	25.0	37.4



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC

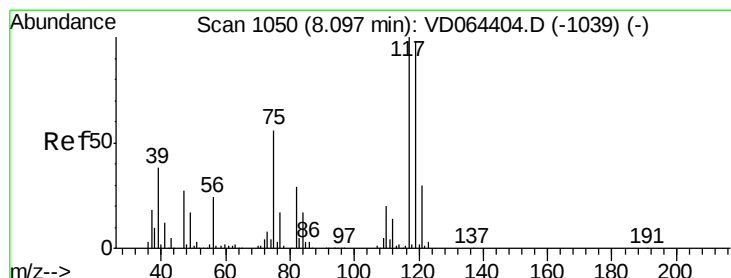
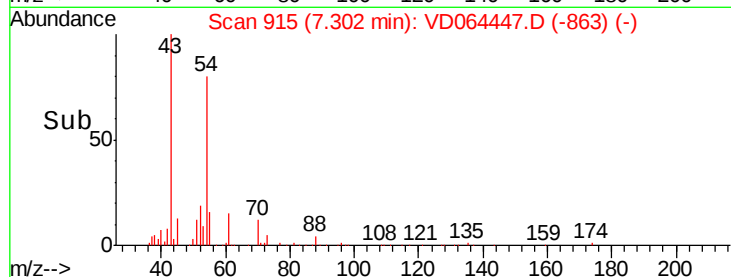
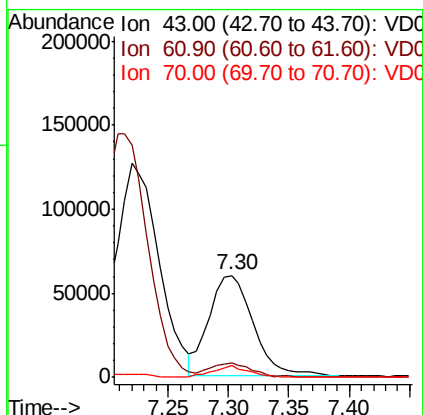
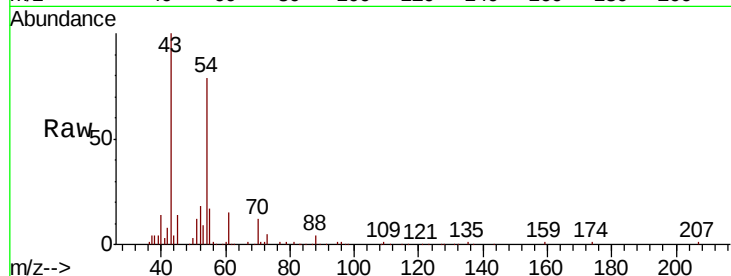




#37
Ethyl Acetate
Concen: 51.455 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

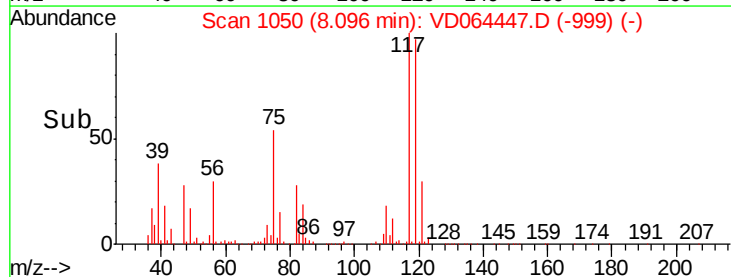
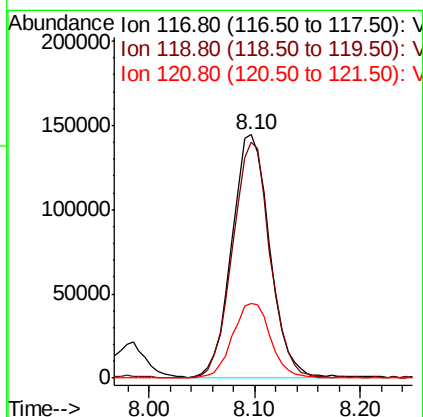
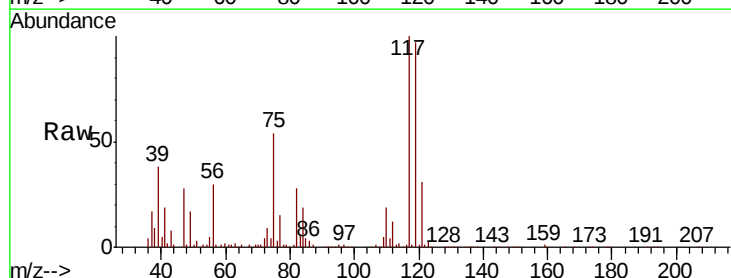
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

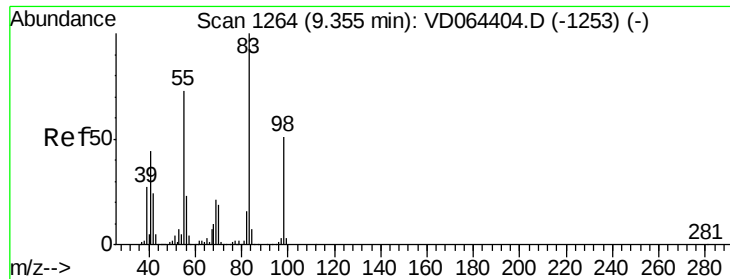
Tot Ion: 43 Resp: 152906
Ion Ratio Lower Upper
43 100
61 13.2 10.9 16.3
70 10.1 8.3 12.5



#38
Carbon Tetrachloride
Concen: 48.457 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion: 117 Resp: 358165
Ion Ratio Lower Upper
117 100
119 96.7 78.8 118.2
121 30.6 24.2 36.2

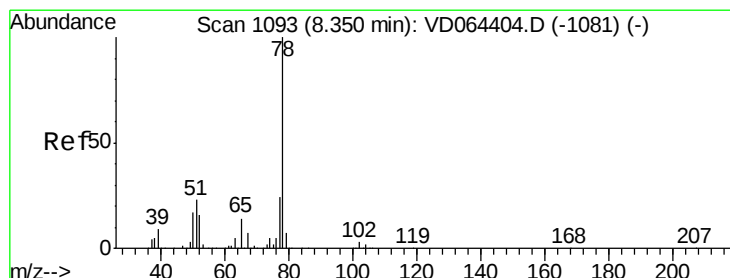
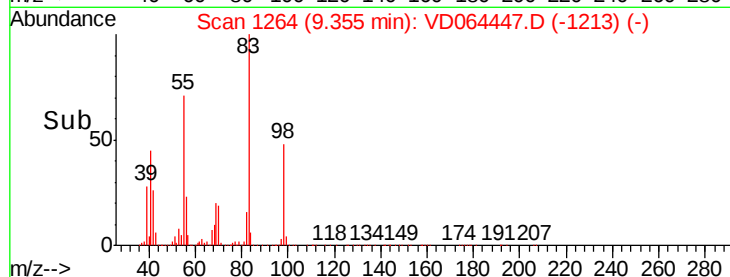
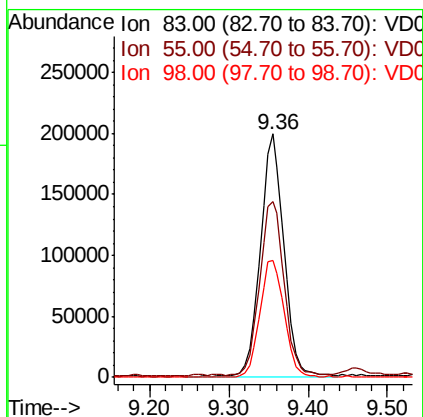
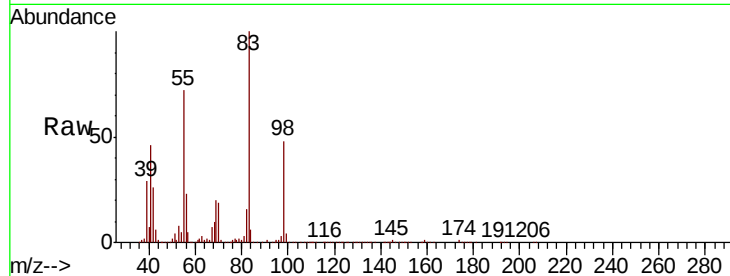




#39
Methvlcvclohexane
Concen: 47.307 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

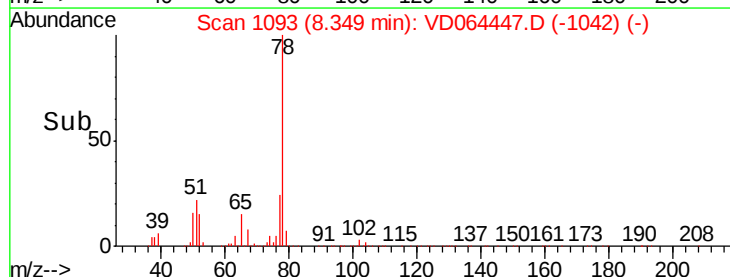
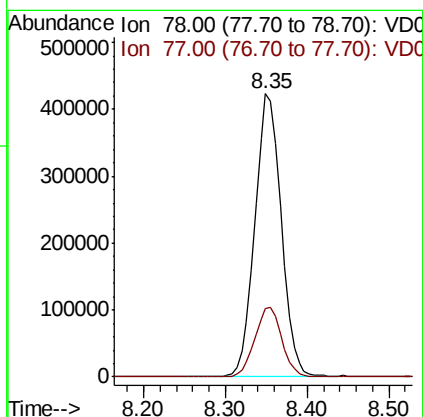
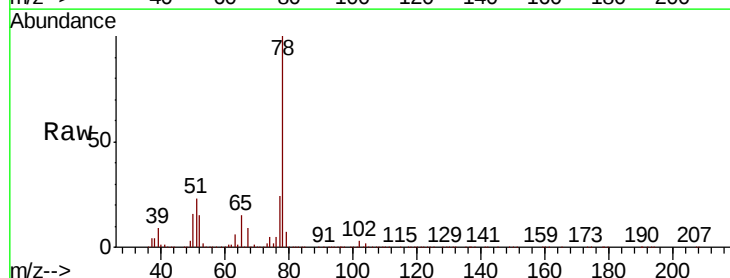
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

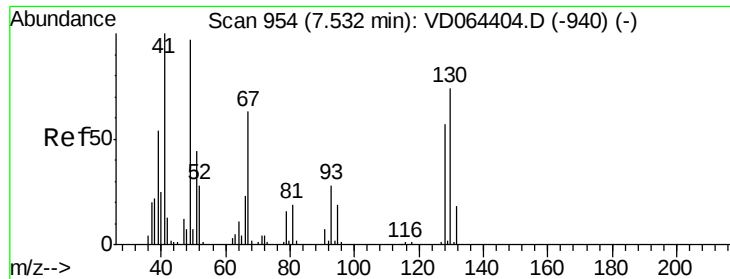
Tot Ion: 83 Resp: 410972
Ion Ratio Lower Upper
83 100
55 71.5 58.6 87.8
98 48.4 40.9 61.3



#40
Benzene
Concen: 48.988 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion: 78 Resp: 952876
Ion Ratio Lower Upper
78 100
77 23.9 19.6 29.4

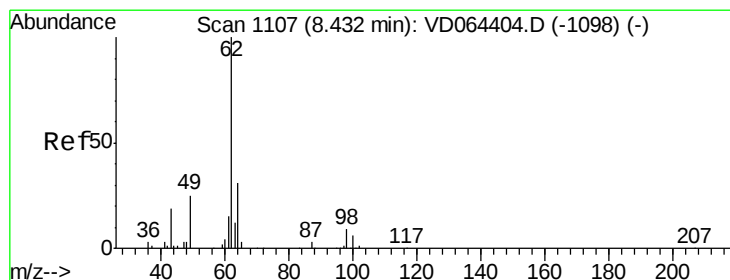
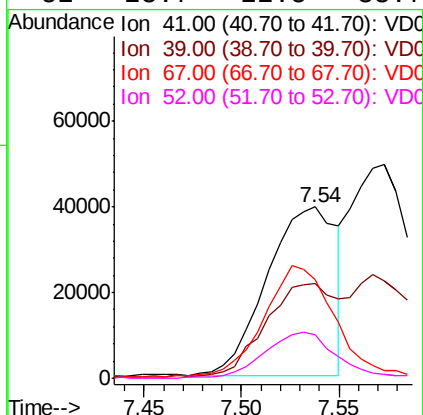
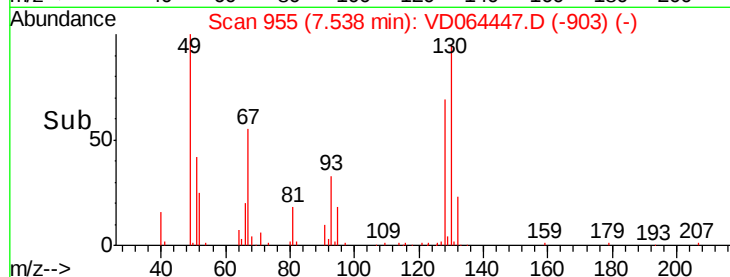
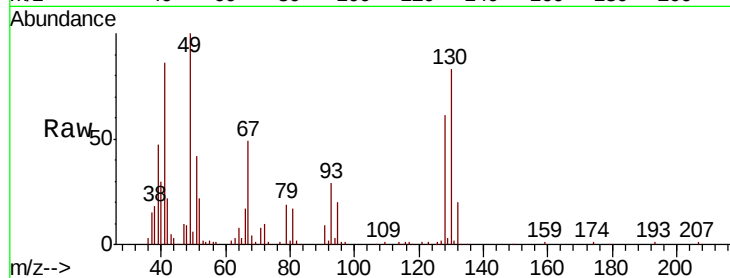




#41
Methacrylonitrile
Concen: 56.941 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

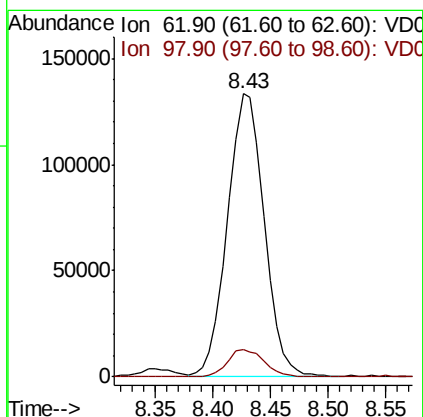
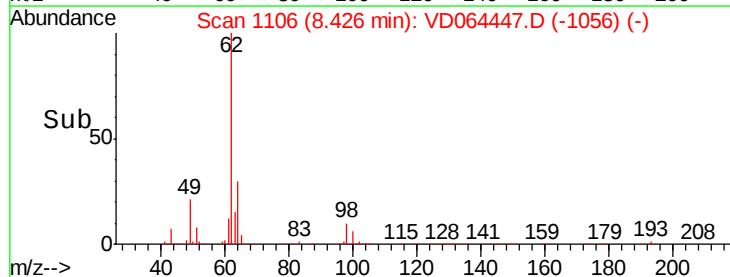
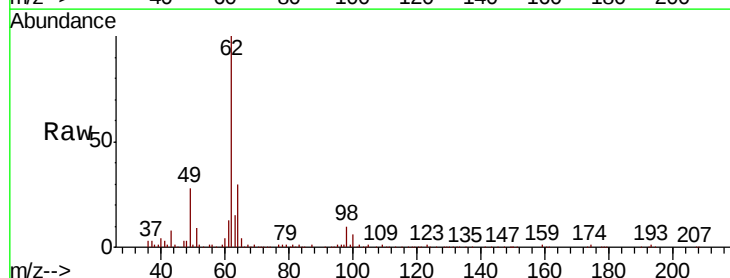
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

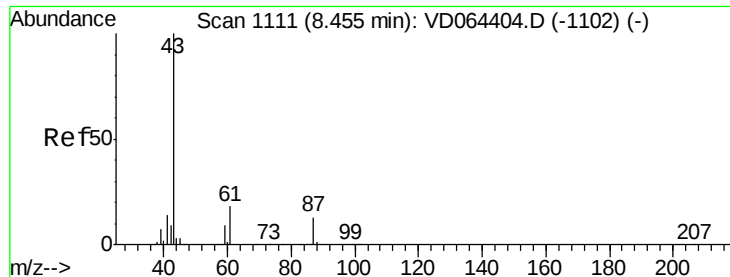
Tot Ion:	41	Resp:	97038
Ion	Ratio	Lower	Upper
41	100		
39	55.2	44.6	67.0
67	66.1	50.9	76.3
52	28.7	22.5	33.7



#42
1,2-Dichloroethane
Concen: 51.828 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion:	62	Resp:	293992
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.6





#43

Isopropyl Acetate

Concen: 52.255 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

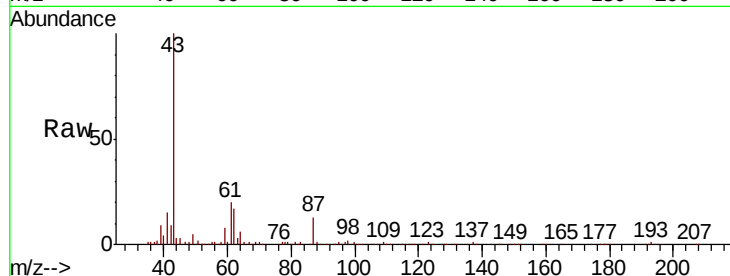
Tot Ion: 43 Resp: 305314

Ion Ratio Lower Upper

43 100

61 29.3 24.0 36.0

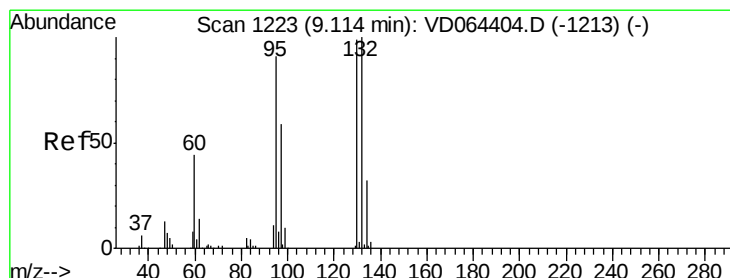
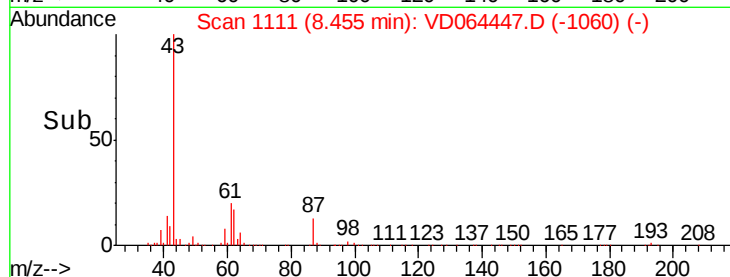
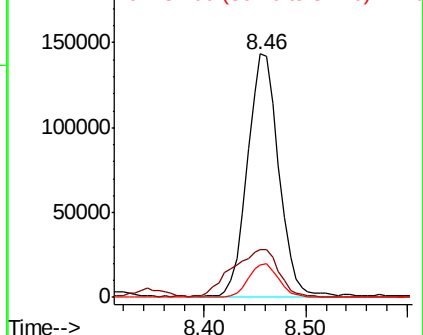
87 13.6 10.6 15.8



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: 47.820 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064447.D

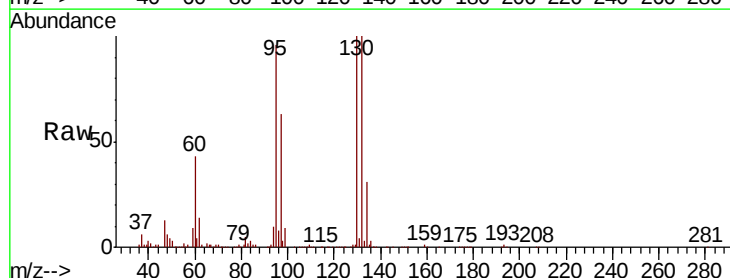
Acq: 05 Dec 2019 20:22

Tgt Ion:130 Resp: 280184

Ion Ratio Lower Upper

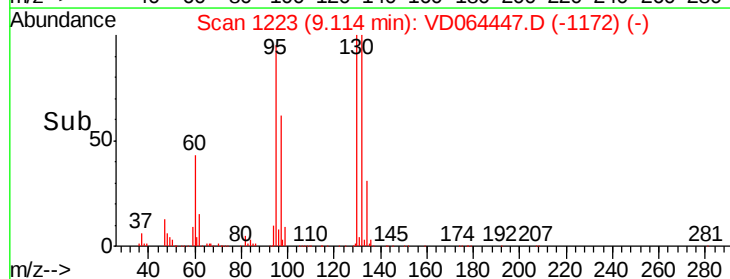
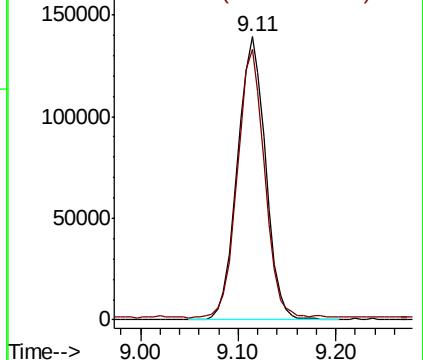
130 100

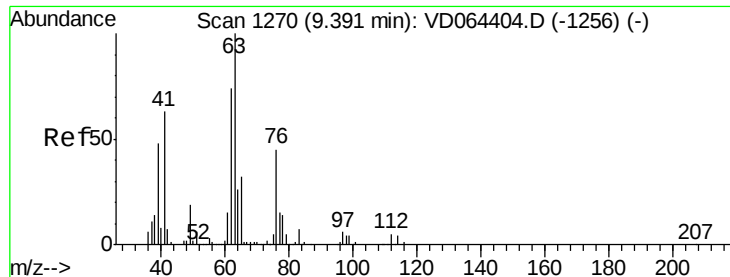
95 95.0 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 51.174 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

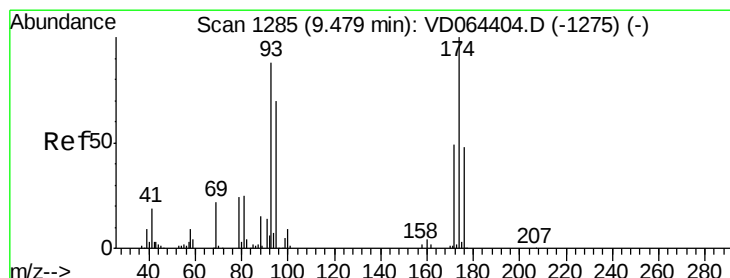
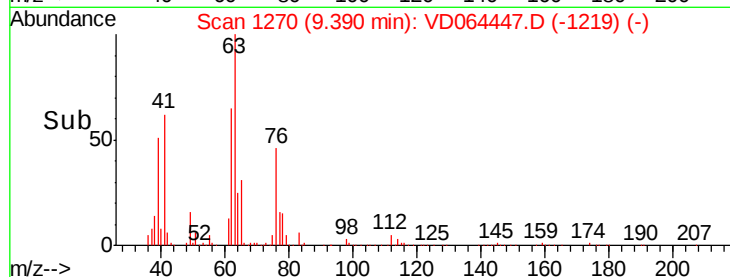
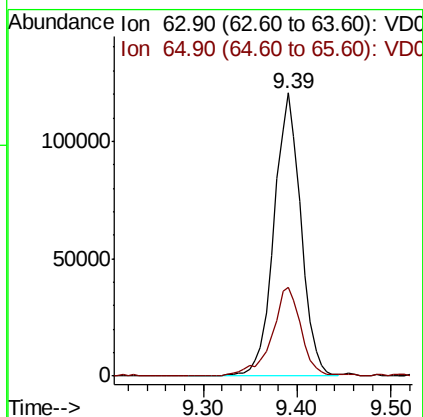
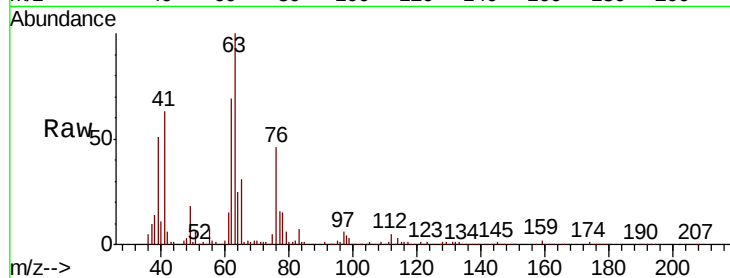
VSTDCCC050EC

Tot Ion: 63 Resp: 238055

Ion Ratio Lower Upper

63 100

65 30.9 25.4 38.0



#46

Dibromomethane

Concen: 51.002 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

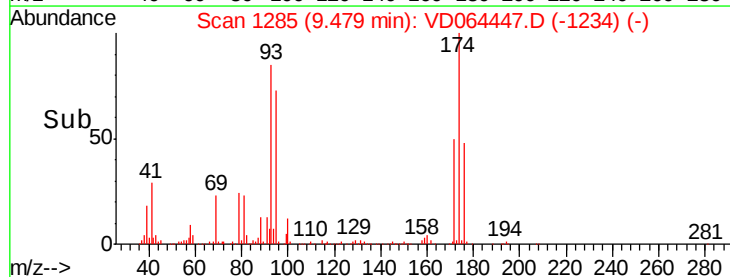
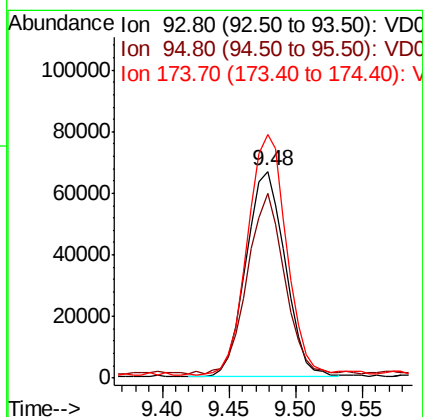
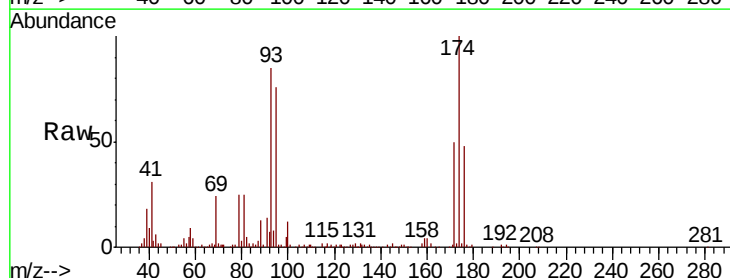
Tgt Ion: 93 Resp: 133906

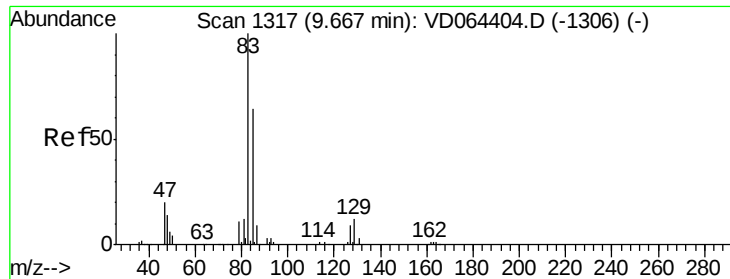
Ion Ratio Lower Upper

93 100

95 85.5 66.7 100.1

174 119.2 92.3 138.5





#47

Bromodichloromethane

Concen: 52.708 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

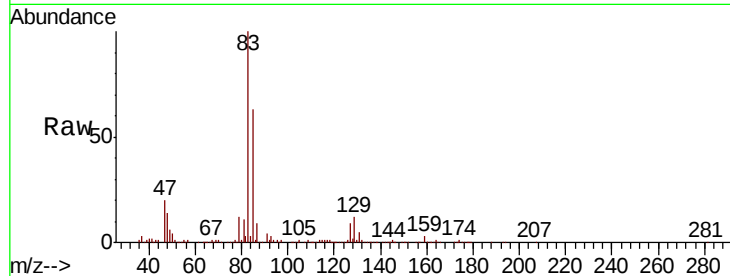
Tot Ion: 83 Resp: 355575

Ion Ratio Lower Upper

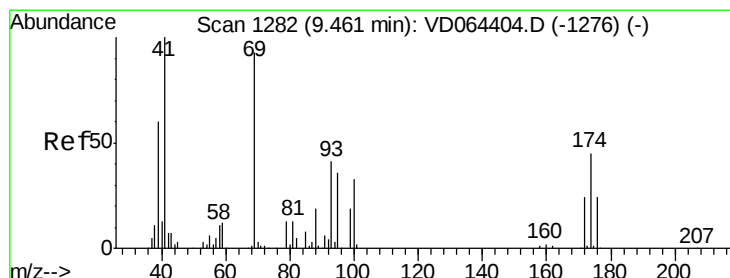
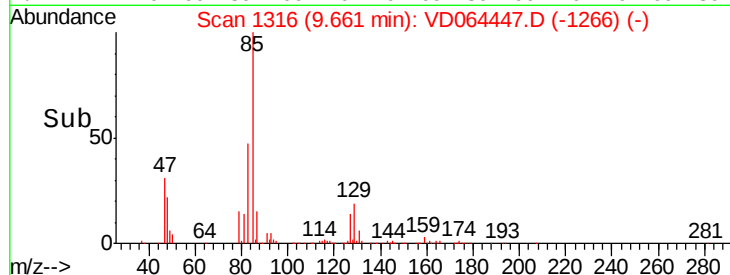
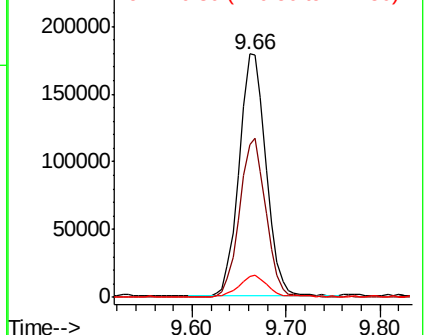
83 100

85 62.9 51.1 76.7

127 8.7 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 52.330 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

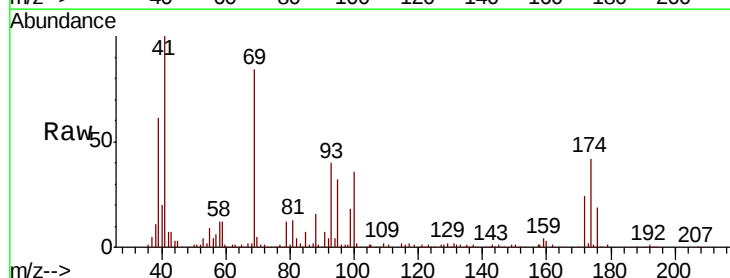
Tgt Ion: 41 Resp: 139912

Ion Ratio Lower Upper

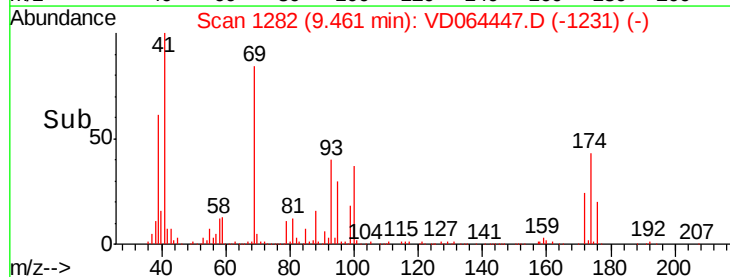
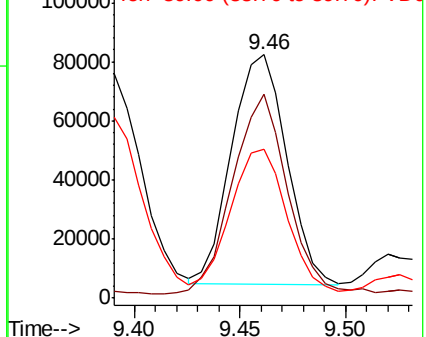
41 100

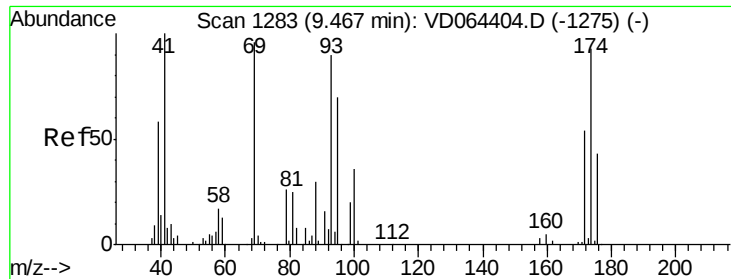
69 87.0 72.0 108.0

39 67.7 55.2 82.8



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 1009.770 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

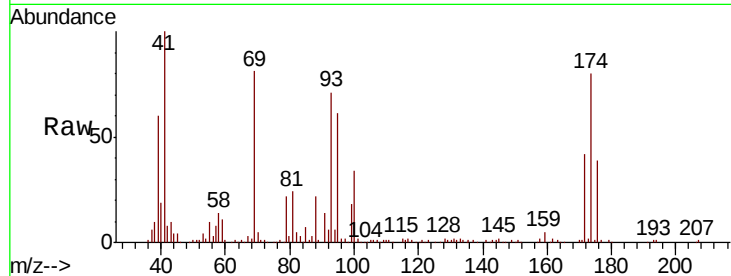
Tot Ion: 88 Resp: 32738

Ion Ratio Lower Upper

88 100

43 32.5 26.7 40.1

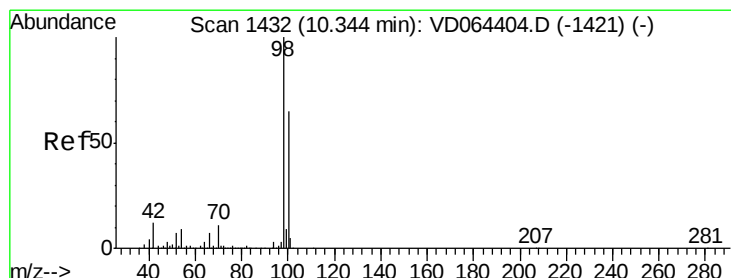
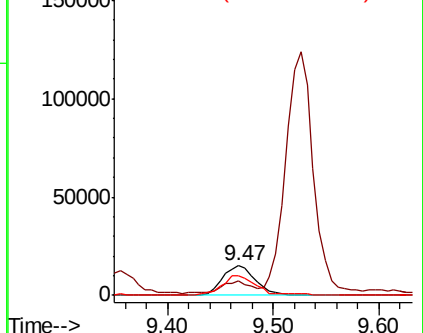
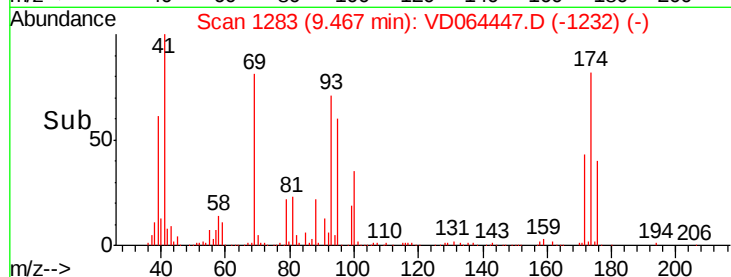
58 70.7 52.3 78.5



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 50.175 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064447.D

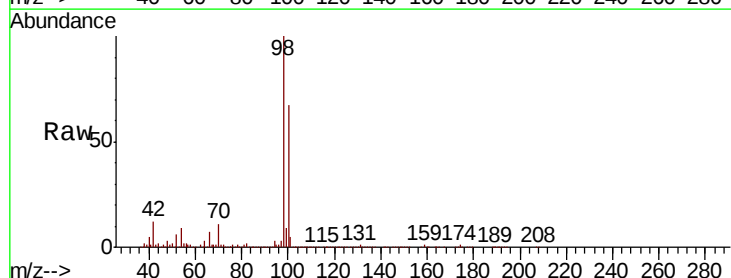
Acq: 05 Dec 2019 20:22

Tgt Ion: 98 Resp: 881695

Ion Ratio Lower Upper

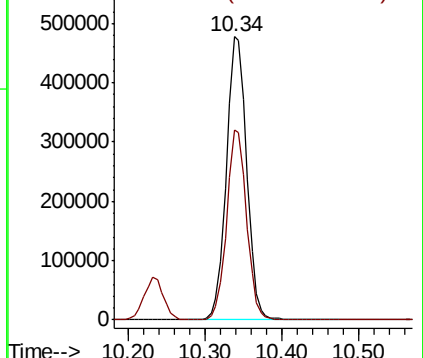
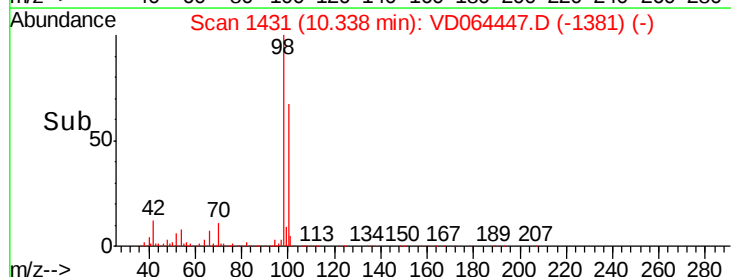
98 100

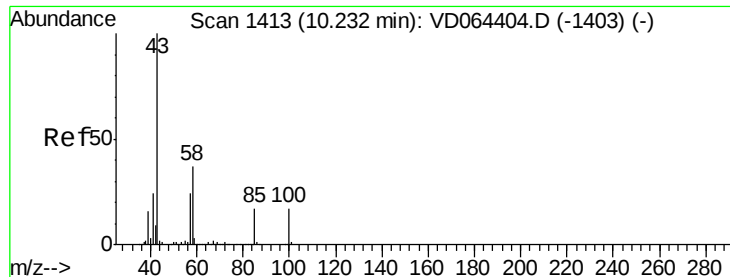
100 65.4 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 259.904 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

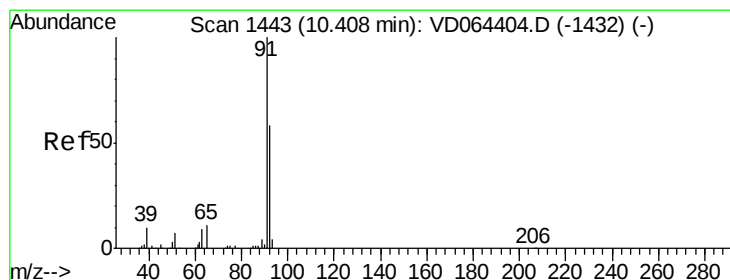
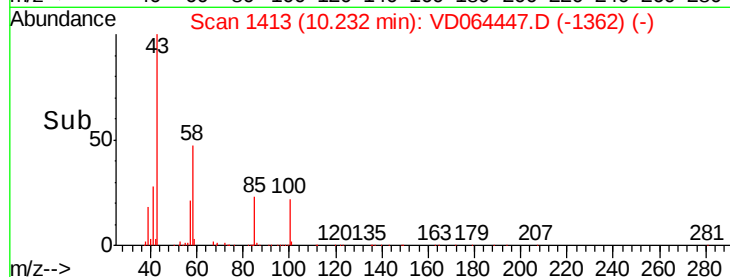
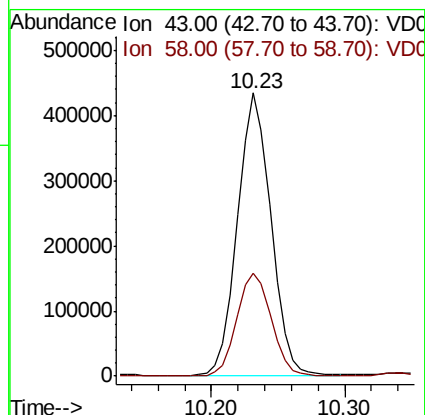
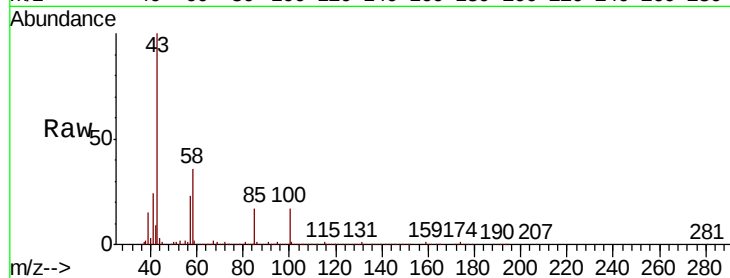
VSTDCCC050EC

Tot Ion: 43 Resp: 751375

Ion Ratio Lower Upper

43 100

58 37.8 30.6 46.0



#52

Toluene

Concen: 49.434 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064447.D

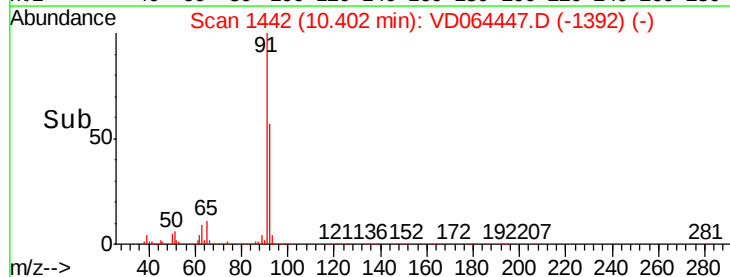
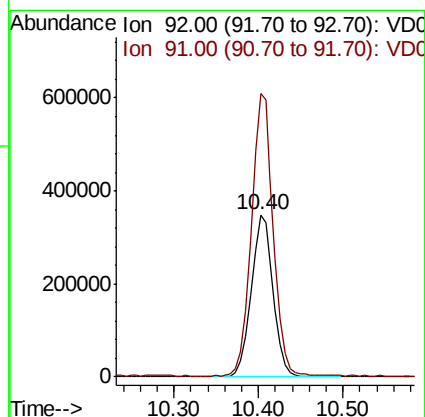
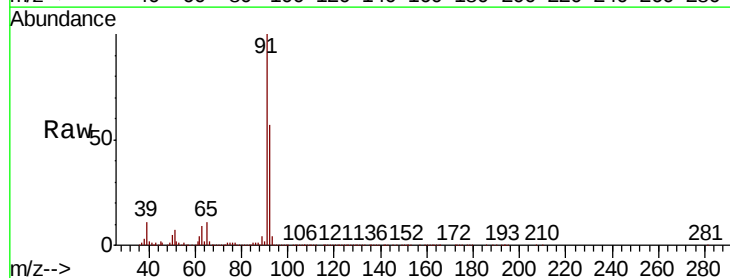
Acq: 05 Dec 2019 20:22

Tgt Ion: 92 Resp: 626649

Ion Ratio Lower Upper

92 100

91 173.0 137.8 206.6





#53

t-1,3-Dichloropropene

Concen: 53.527 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

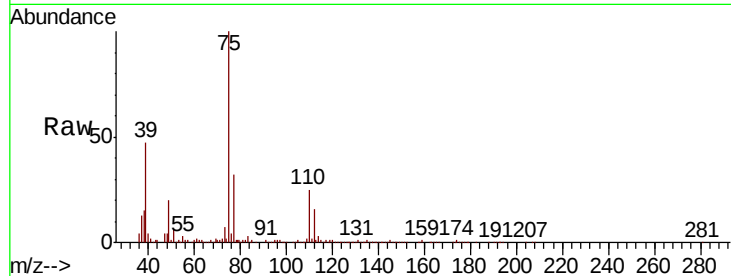
VSTDCCC050EC

Tot Ion: 75 Resp: 344142

Ion Ratio Lower Upper

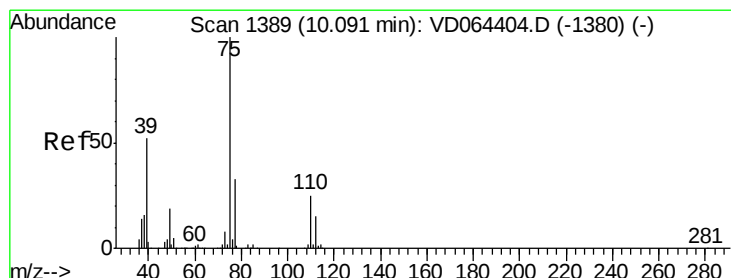
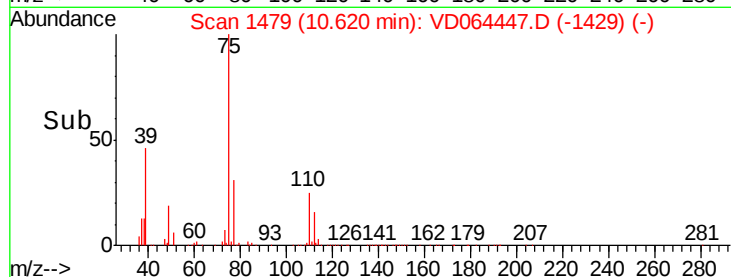
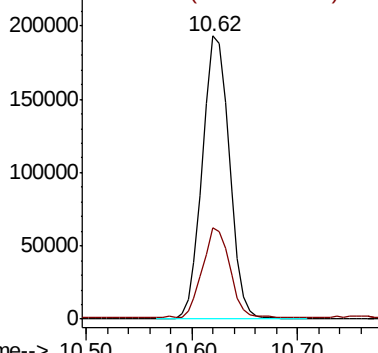
75 100

77 31.6 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 51.818 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

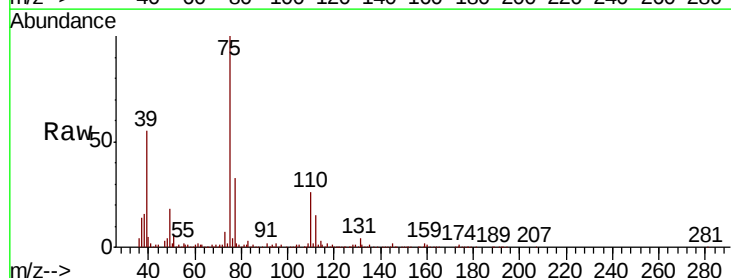
Tgt Ion: 75 Resp: 395776

Ion Ratio Lower Upper

75 100

77 32.5 26.1 39.1

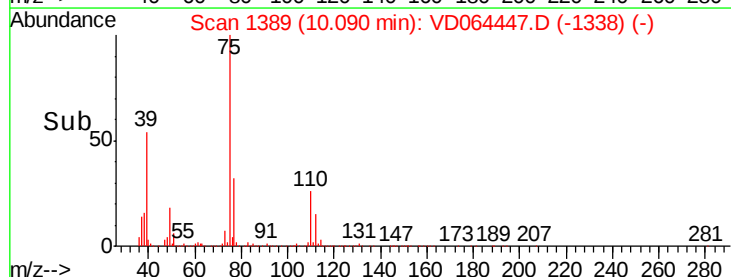
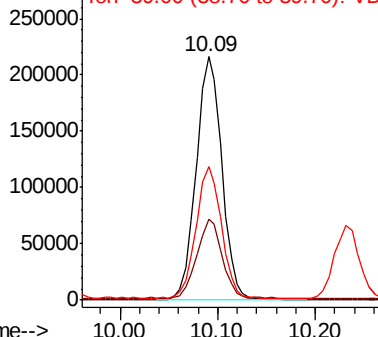
39 53.9 41.5 62.3

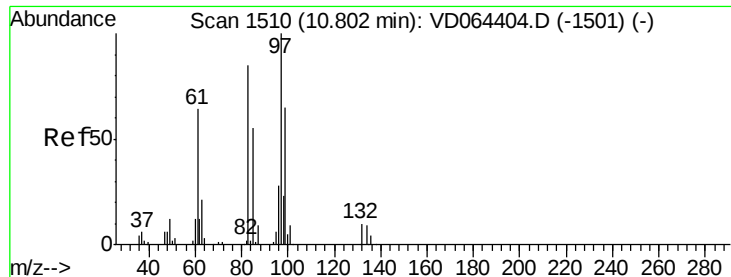


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

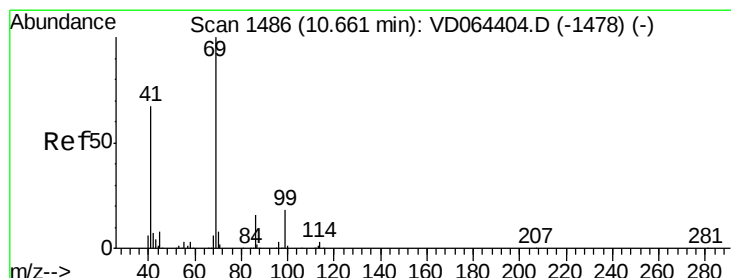
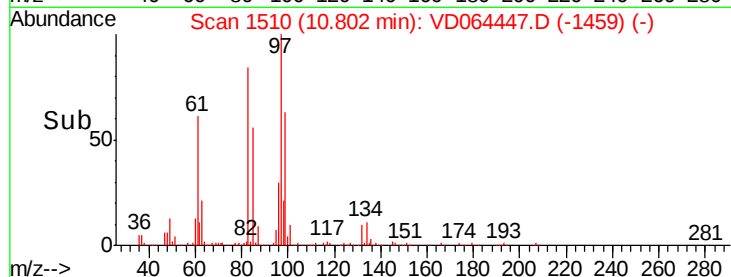
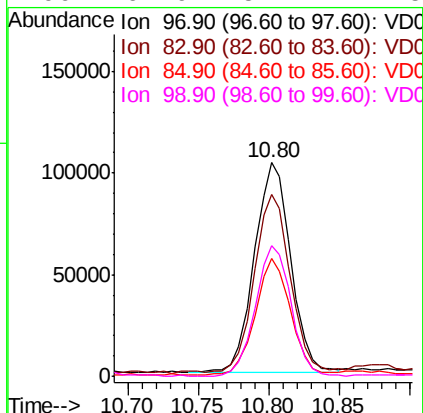
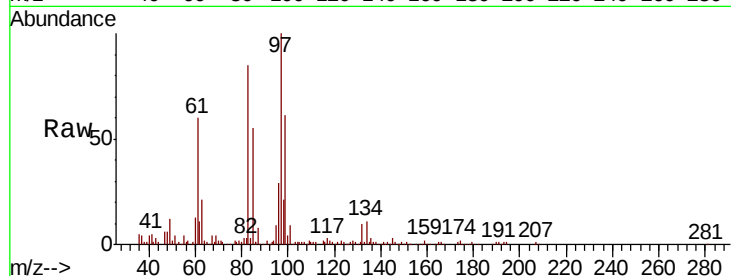




#55
 1,1,2-Trichloroethane
 Concen: 52.379 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

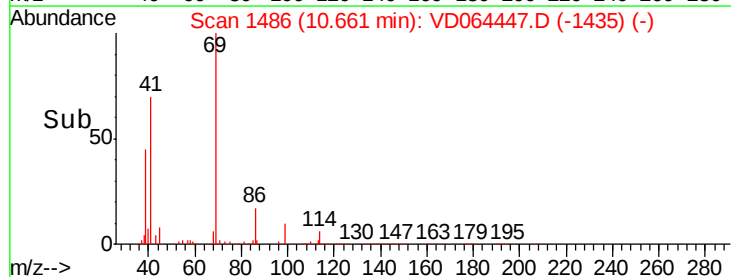
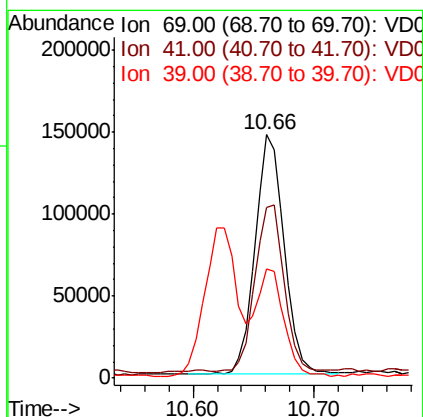
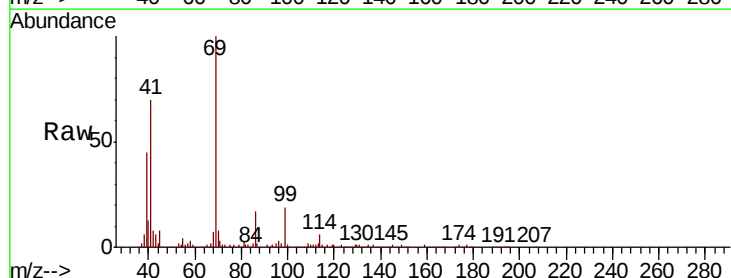
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

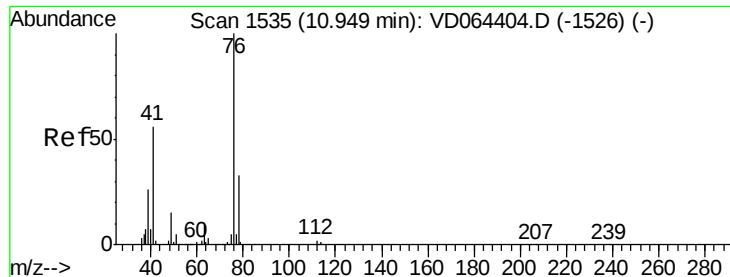
Tot Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.8	101.8
85	55.4	43.7	65.5
99	61.9	51.7	77.5



#56
 Ethyl methacrylate
 Concen: 53.892 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.5	55.0	82.4
39	43.0	33.0	49.6





#57

1,3-Dichloropropane

Concen: 52.870 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

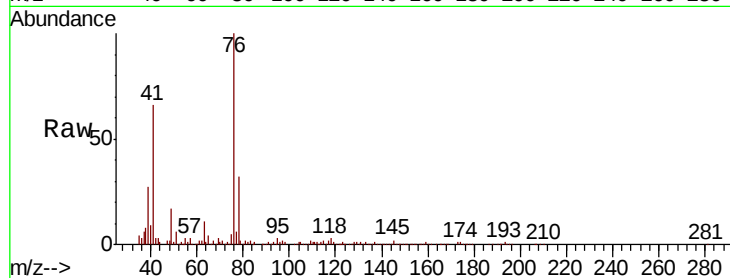
VSTDCCC050EC

Tot Ion: 76 Resp: 32352

Ion Ratio Lower Upper

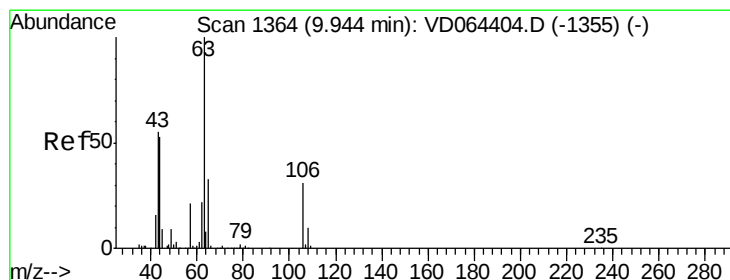
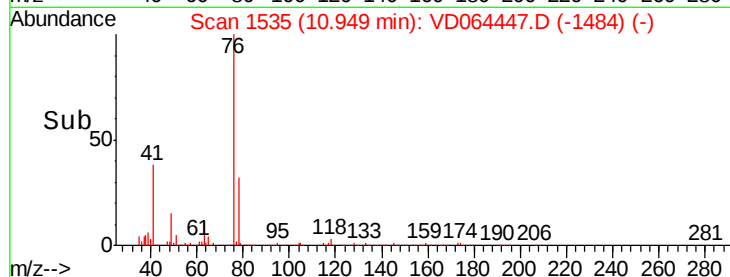
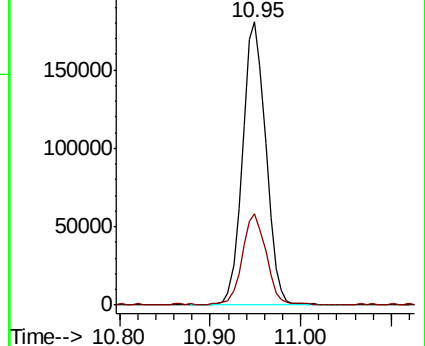
76 100

78 32.4 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 252.720 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064447.D

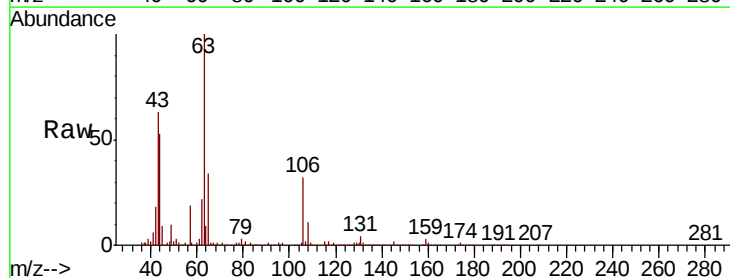
Acq: 05 Dec 2019 20:22

Tgt Ion: 63 Resp: 461942

Ion Ratio Lower Upper

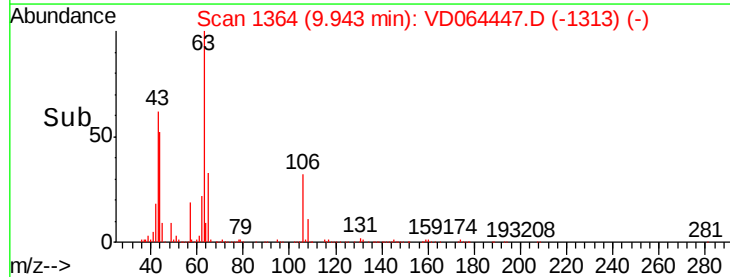
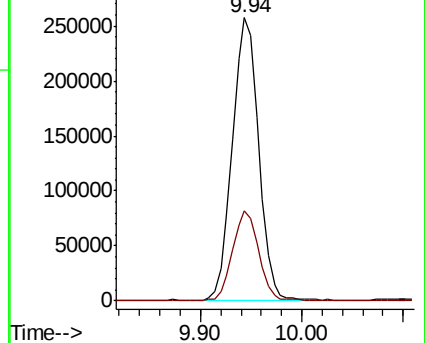
63 100

106 31.6 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

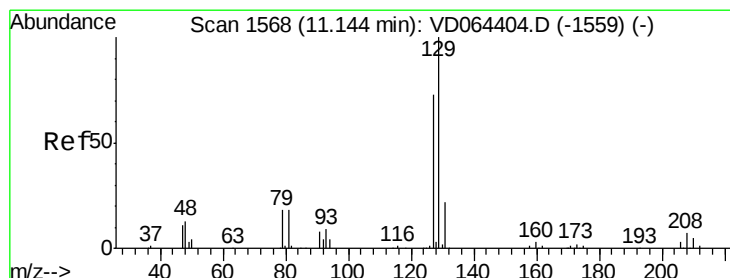
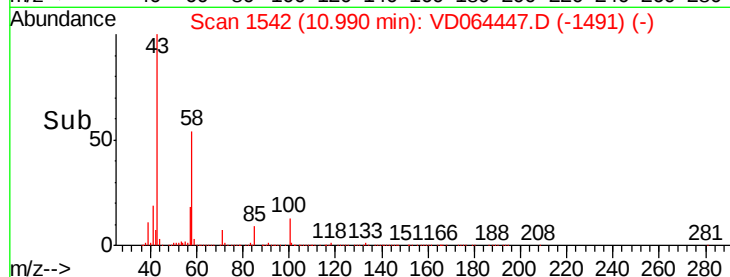
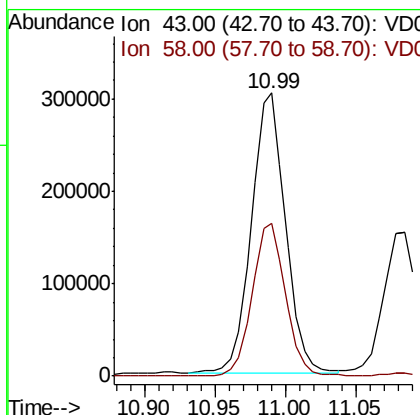
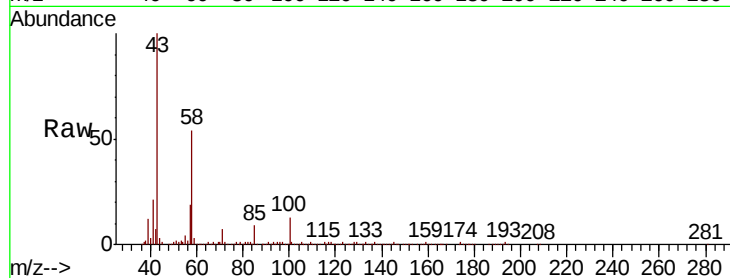




#59
2-Hexanone
Concen: 256.703 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

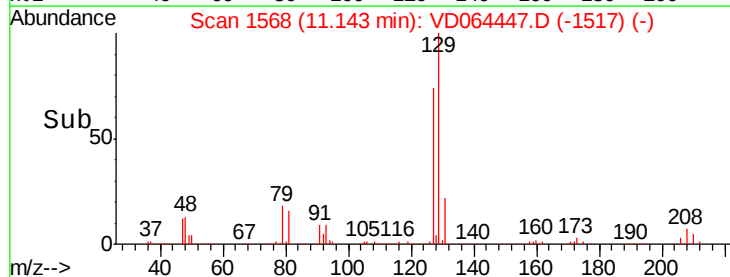
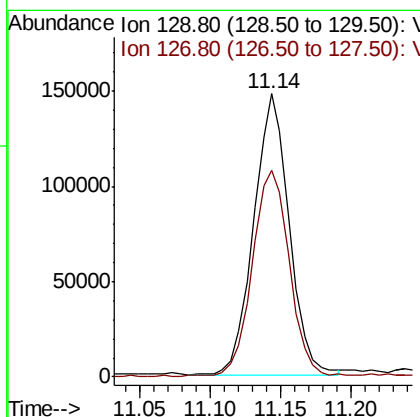
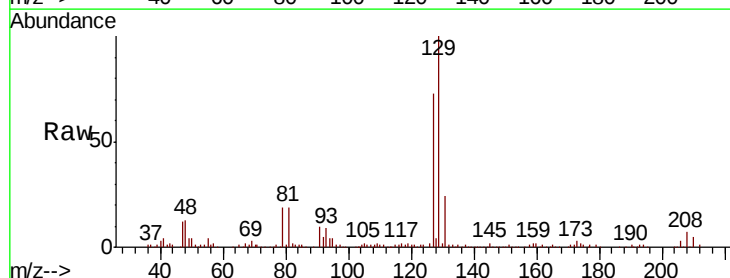
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

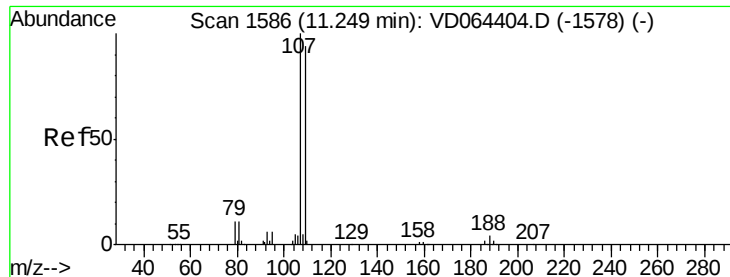
Tot Ion: 43 Resp: 514950
Ion Ratio Lower Upper
43 100
58 53.5 26.3 78.8



#60
Dibromochloromethane
Concen: 53.294 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion: 129 Resp: 259773
Ion Ratio Lower Upper
129 100
127 76.2 38.1 114.3

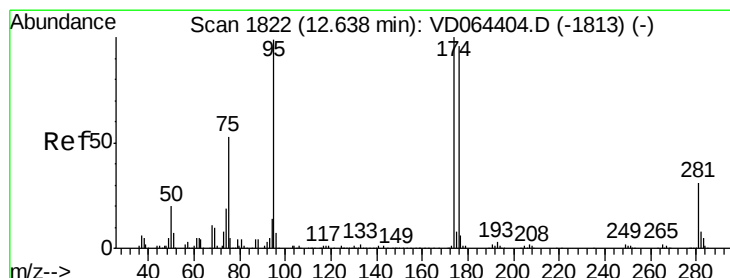
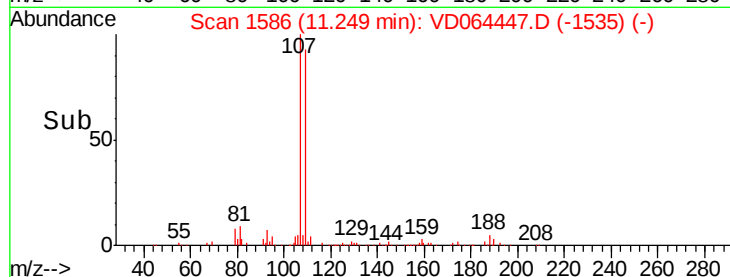
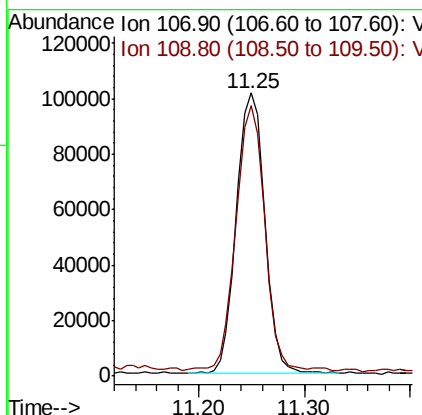
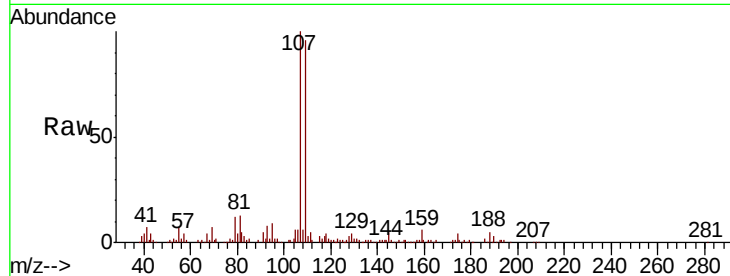




#61
 1,2-Dibromoethane
 Concen: 52.524 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

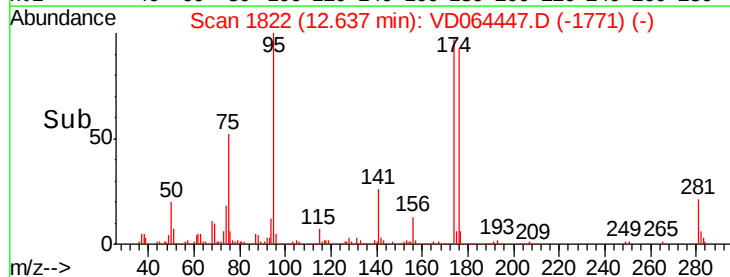
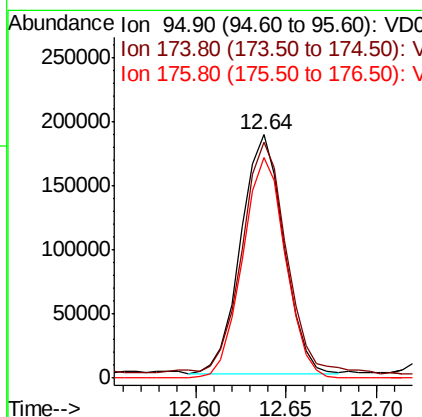
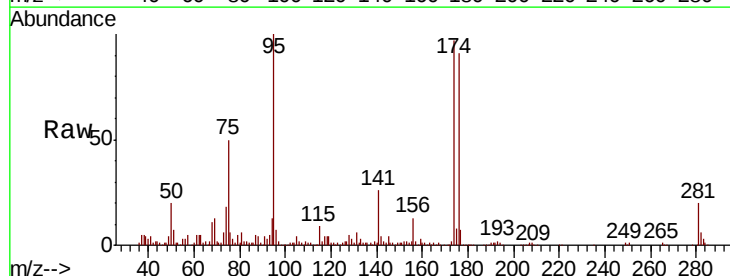
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

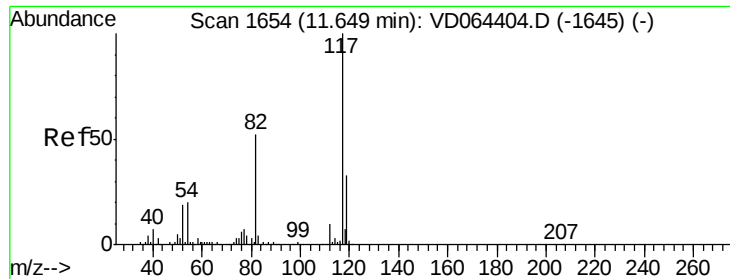
Tot Ion:107 Resp: 188535
 Ion Ratio Lower Upper
 107 100
 109 94.6 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 54.349 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Tgt Ion: 95 Resp: 306923
 Ion Ratio Lower Upper
 95 100
 174 104.8 0.0 197.2
 176 92.7 0.0 189.6

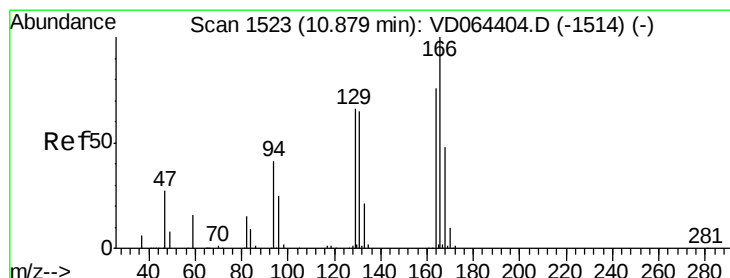
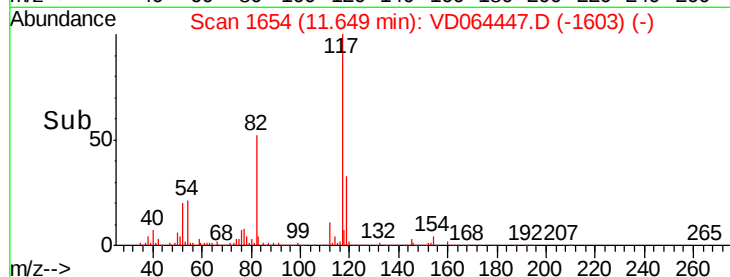
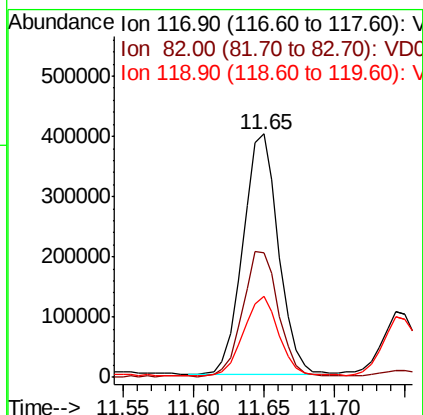
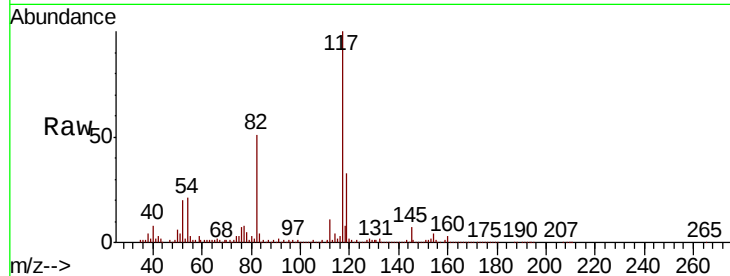




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

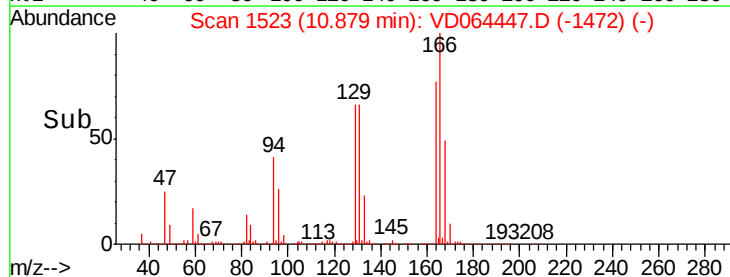
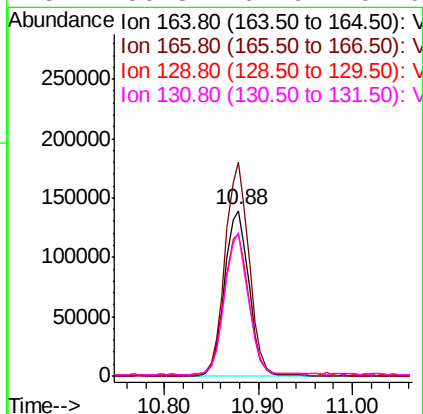
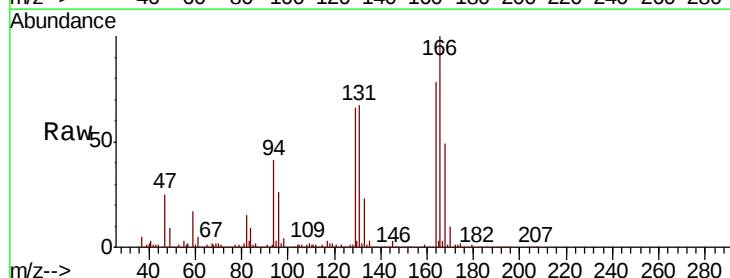
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

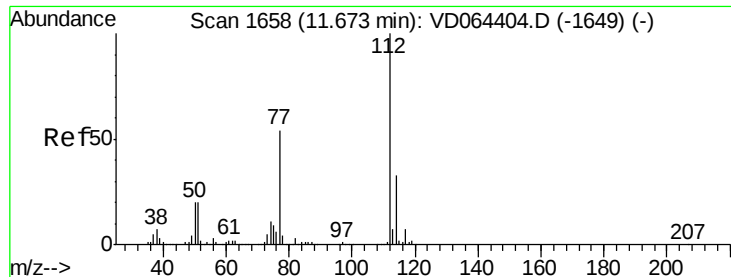
Tot Ion:117 Resp: 705498
Ion Ratio Lower Upper
117 100
82 51.6 41.4 62.2
119 32.9 26.2 39.2



#64
Tetrachloroethene
Concen: 46.542 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion:164 Resp: 250394
Ion Ratio Lower Upper
164 100
166 129.1 104.8 157.2
129 84.6 68.7 103.1
131 86.3 67.9 101.9

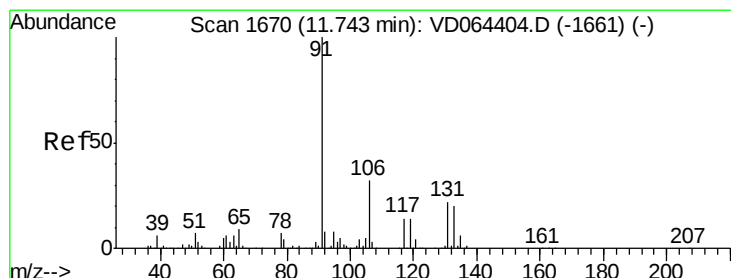
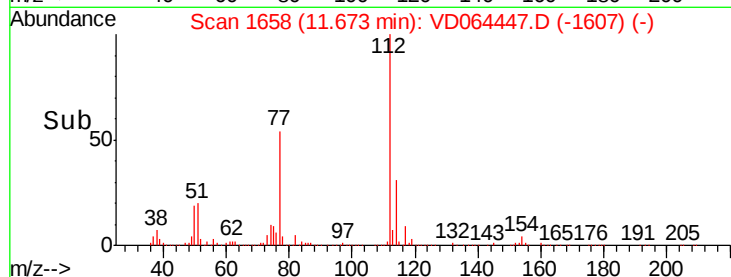
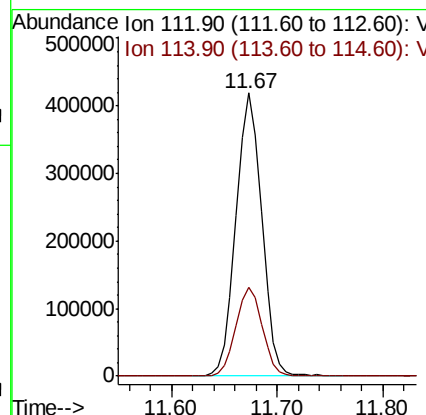
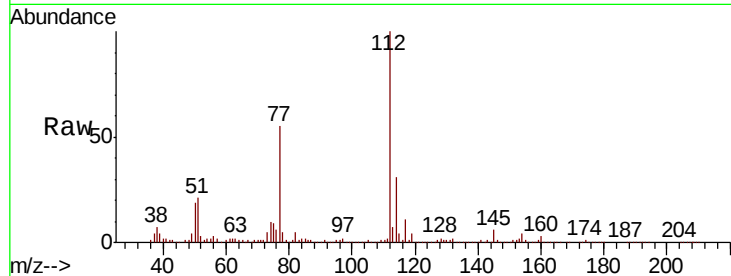




#65
Chlorobenzene
Concen: 47.854 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

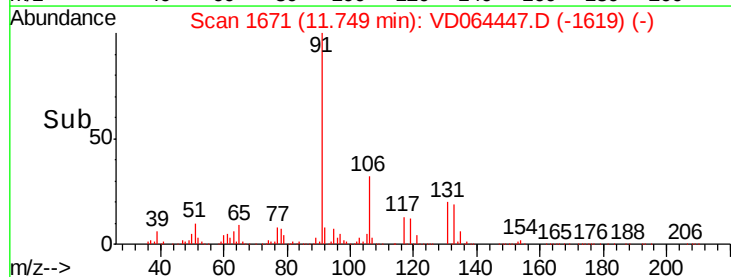
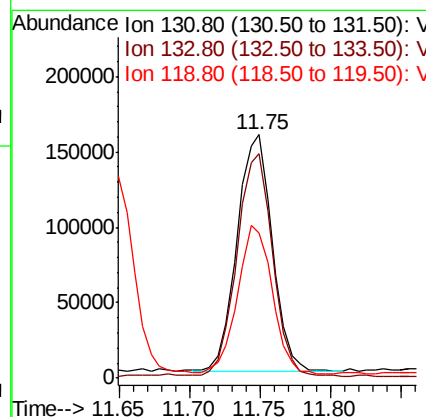
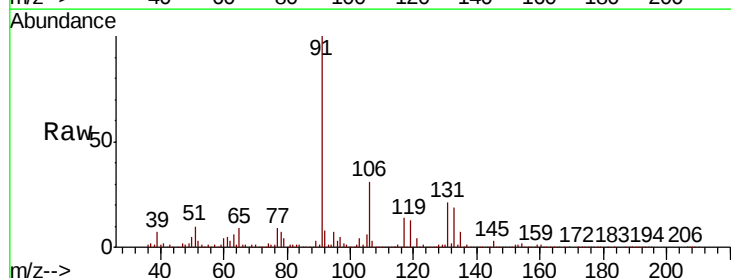
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

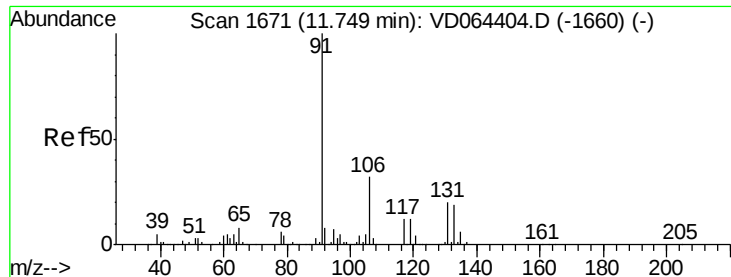
Tot Ion:112 Resp: 704141
Ion Ratio Lower Upper
112 100
114 31.4 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 50.411 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion:131 Resp: 274591
Ion Ratio Lower Upper
131 100
133 94.8 48.3 144.9
119 61.8 31.9 95.9





#67

Ethyl Benzene

Concen: 47.576 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

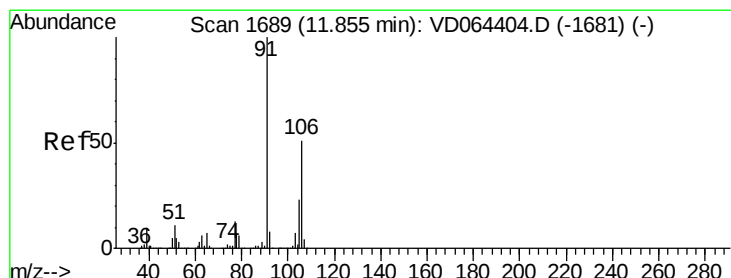
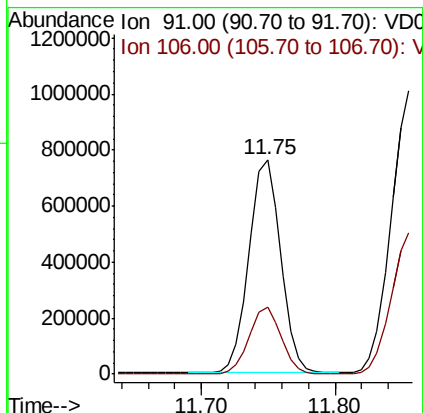
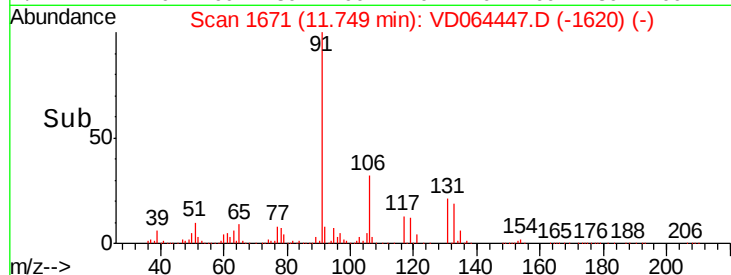
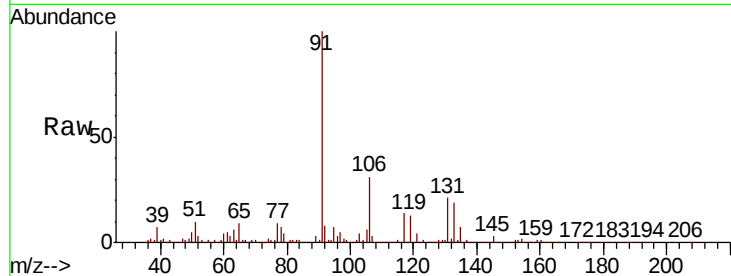
VSTDCCC050EC

Tot Ion: 91 Resp: 1245559

Ion Ratio Lower Upper

91 100

106 31.6 25.8 38.8



#68

m/p-Xylenes

Concen: 97.232 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064447.D

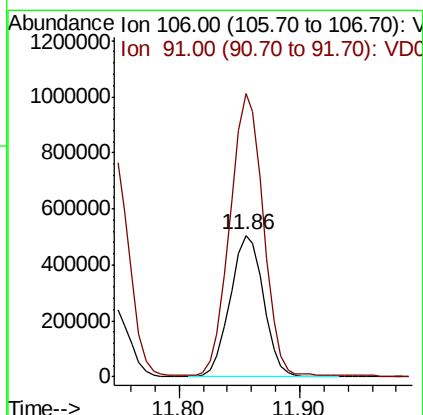
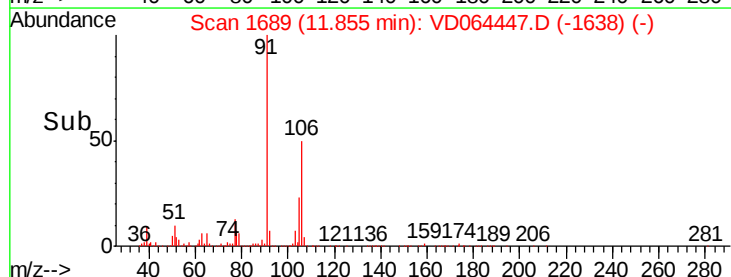
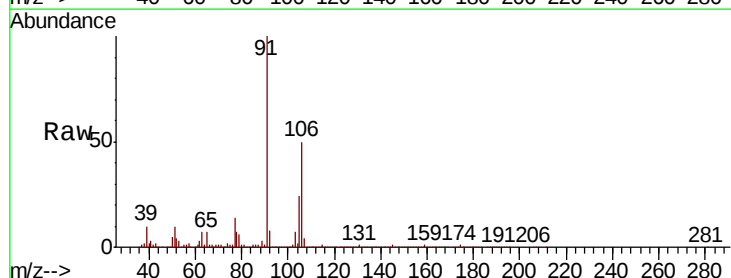
Acq: 05 Dec 2019 20:22

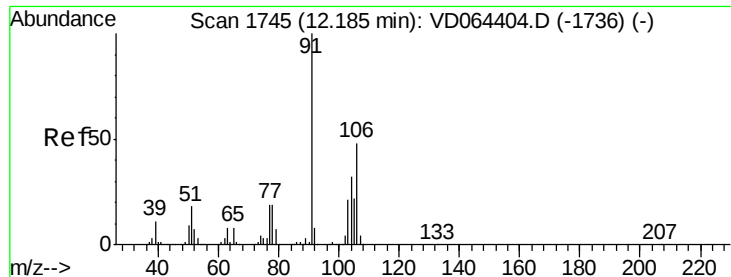
Tgt Ion: 106 Resp: 970598

Ion Ratio Lower Upper

106 100

91 198.3 157.4 236.2

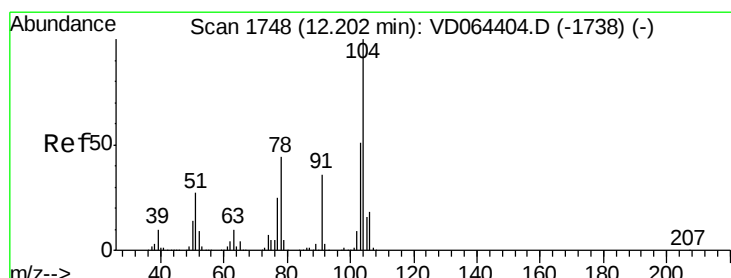
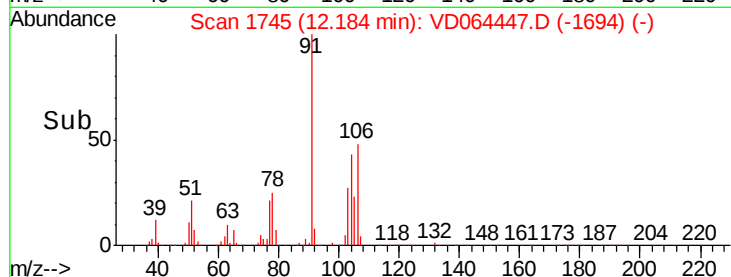
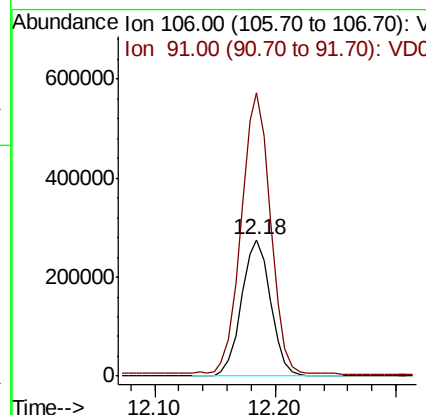
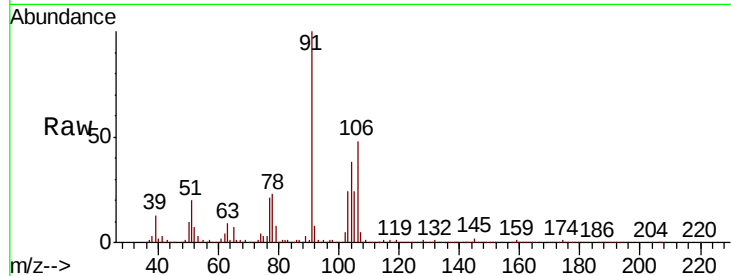




#69
o-Xylene
Concen: 50.201 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

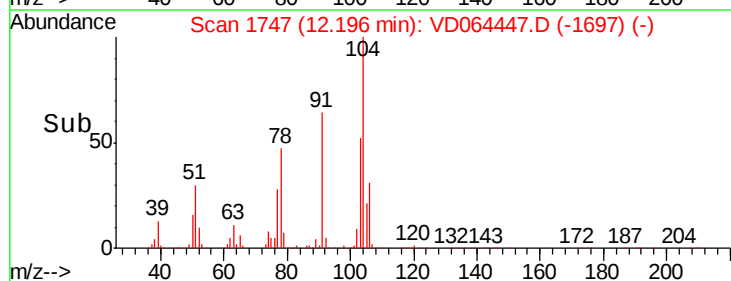
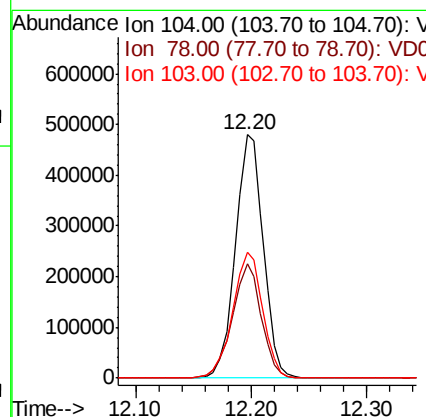
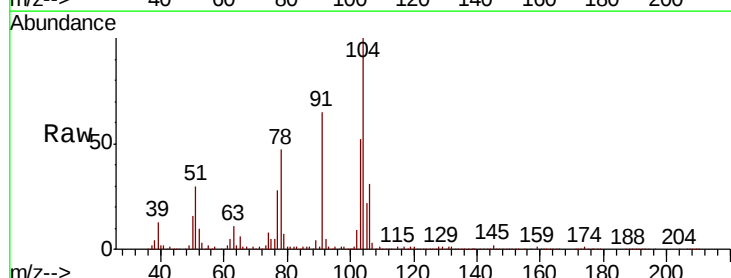
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

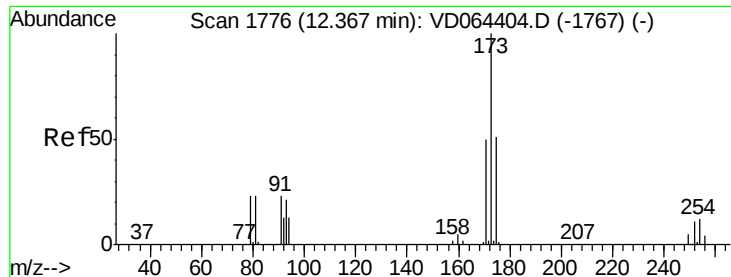
Tot Ion:106 Resp: 462815
Ion Ratio Lower Upper
106 100
91 208.3 103.8 311.4



#70
Styrene
Concen: 49.690 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion:104 Resp: 796071
Ion Ratio Lower Upper
104 100
78 49.0 38.8 58.2
103 55.4 44.2 66.4

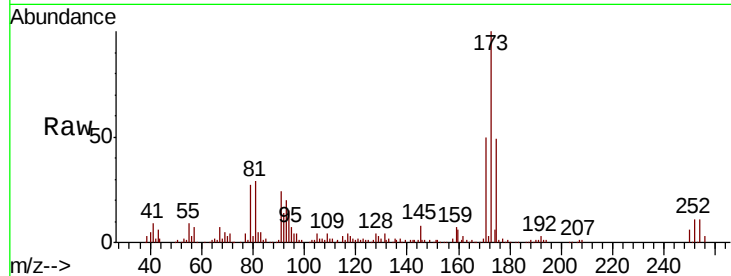




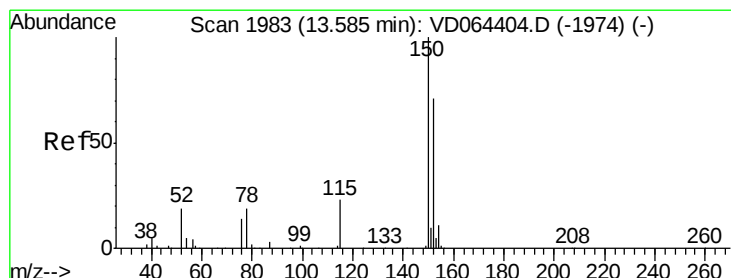
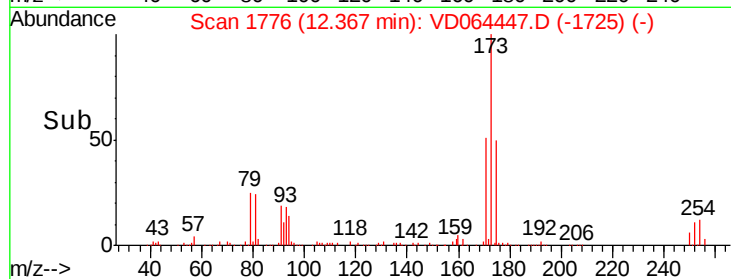
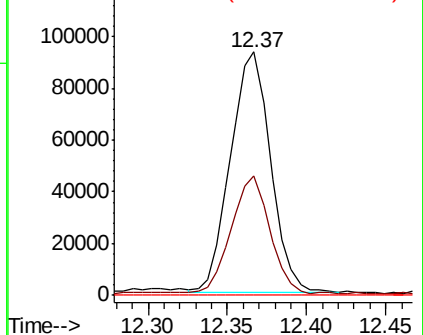
#71
Bromoform
Concen: 49.904 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 162633
Ion Ratio Lower Upper
173 100
175 47.7 25.3 75.8
254 0.2 0.0 0.0#

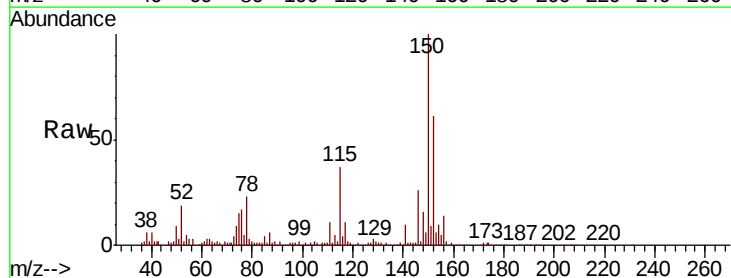


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

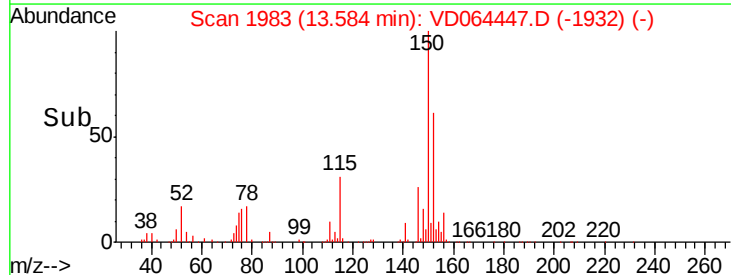
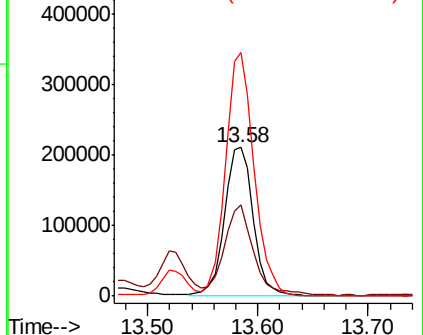


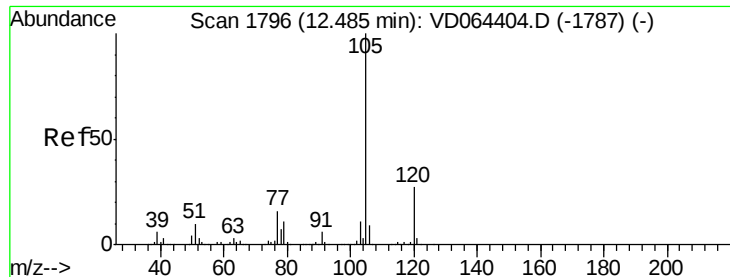
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion:152 Resp: 382377
Ion Ratio Lower Upper
152 100
115 62.1 26.7 80.1
150 161.9 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 43.412 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

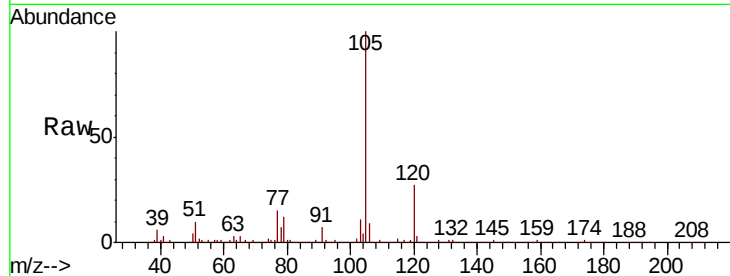
VSTDCCC050EC

Tot Ion:105 Resp: 1193873

Ion Ratio Lower Upper

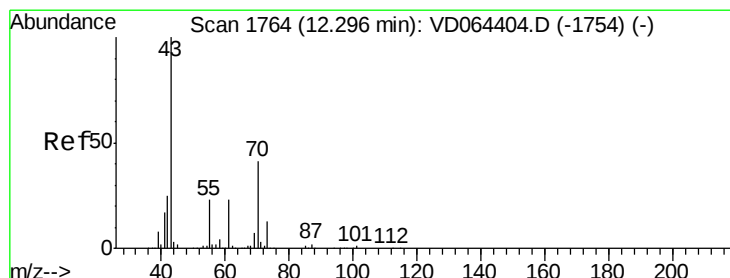
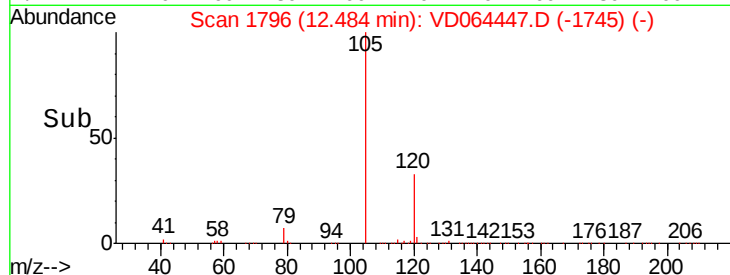
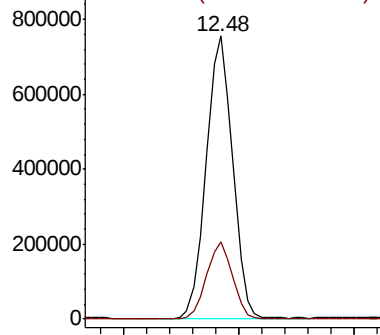
105 100

120 26.9 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.173 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Tgt Ion: 43 Resp: 294442

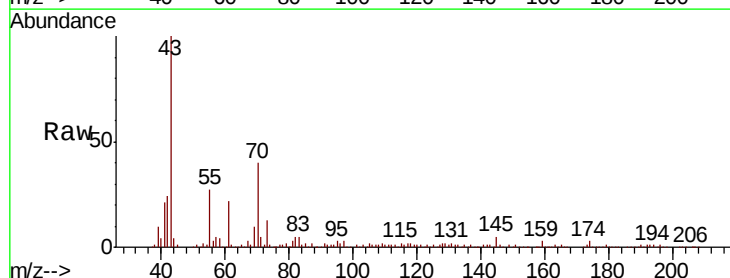
Ion Ratio Lower Upper

43 100

70 39.5 33.4 50.2

55 31.0 18.9 28.3#

61 23.4 18.5 27.7

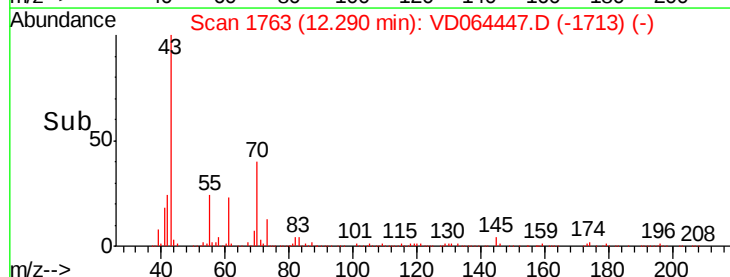
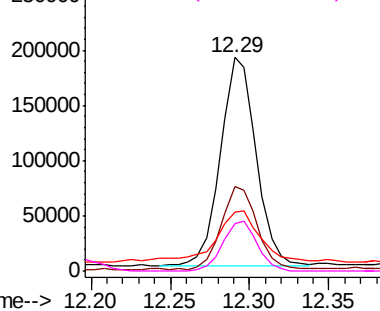


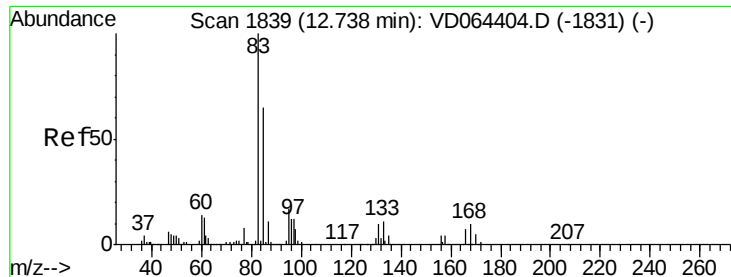
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 45.549 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

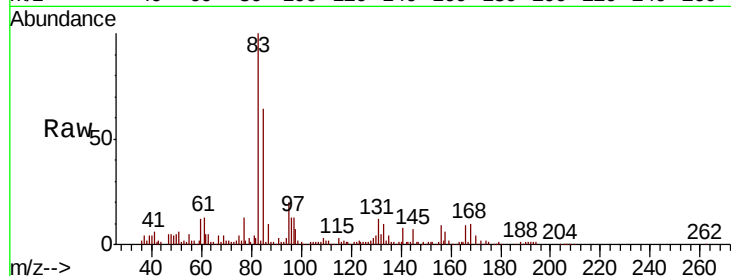
Tot Ion: 83 Resp: 207149

Ion Ratio Lower Upper

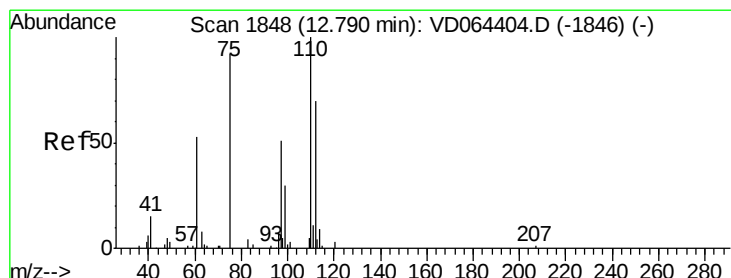
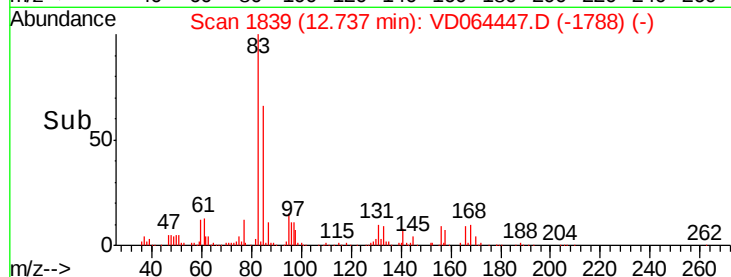
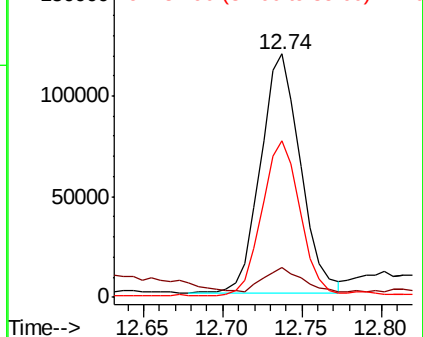
83 100

131 9.2 5.7 17.0

85 62.5 31.3 93.9



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



#76

1,2,3-Trichloropropane

Concen: 83.227 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD064447.D

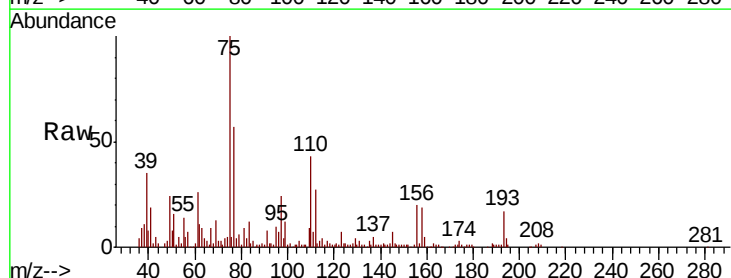
Acq: 05 Dec 2019 20:22

Tgt Ion: 75 Resp: 261712

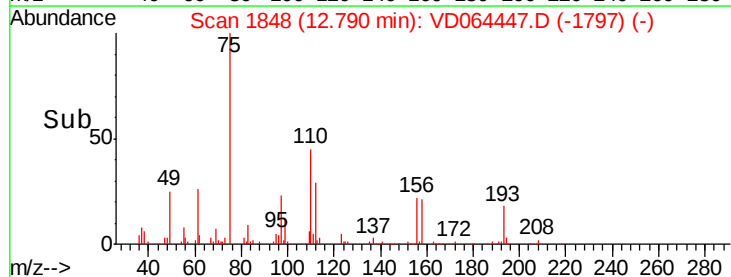
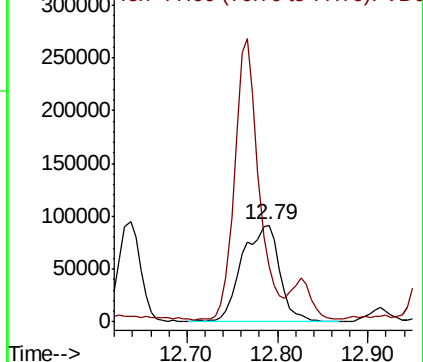
Ion Ratio Lower Upper

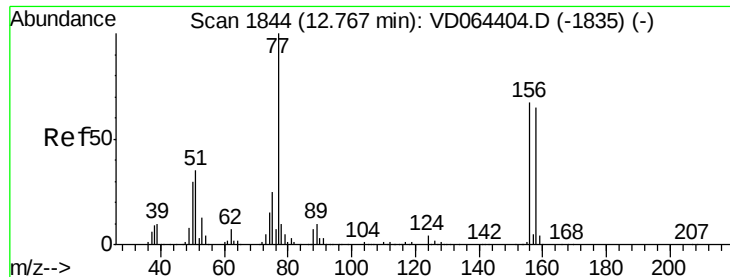
75 100

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





#77

Bromobenzene

Concen: 47.615 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

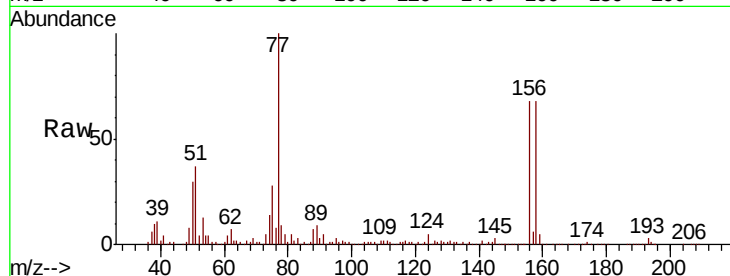
Tot Ion:156 Resp: 323367

Ion Ratio Lower Upper

156 100

77 153.8 80.0 240.2

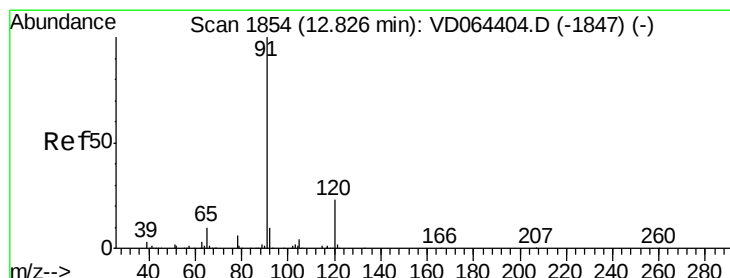
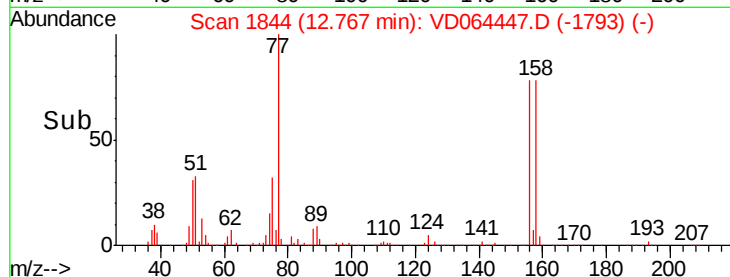
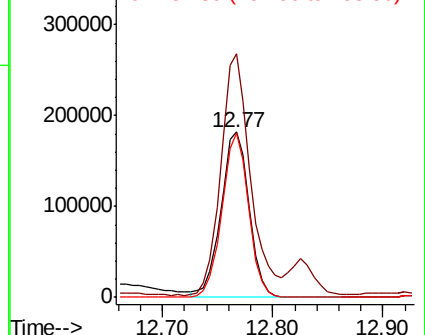
158 93.5 48.9 146.6



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



#78

n-propylbenzene

Concen: 43.581 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064447.D

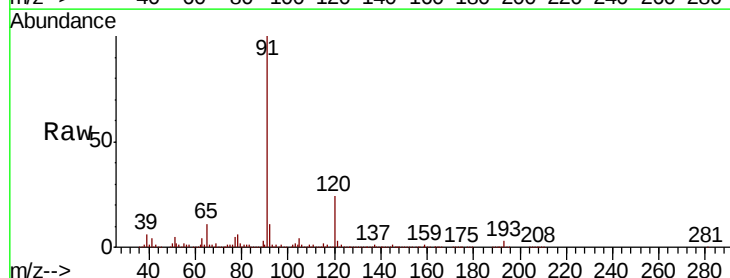
Acq: 05 Dec 2019 20:22

Tgt Ion: 91 Resp: 1382874

Ion Ratio Lower Upper

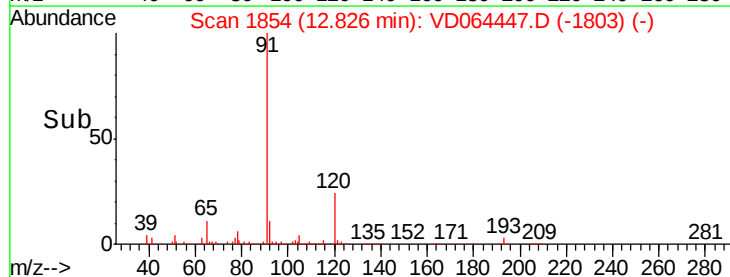
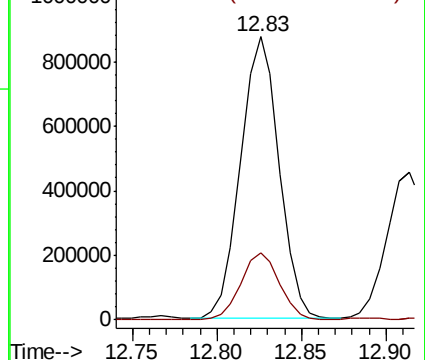
91 100

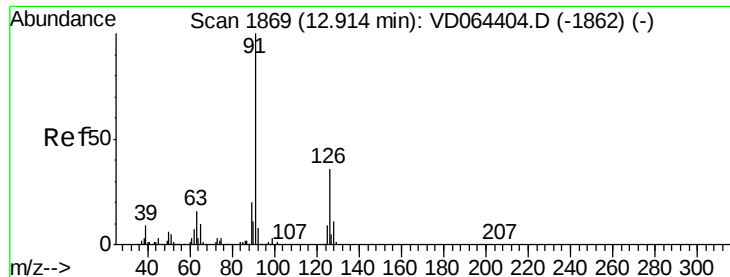
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

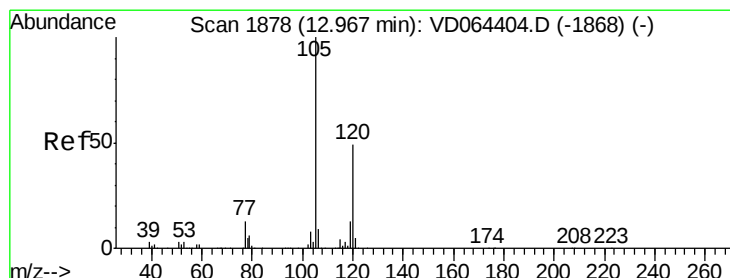
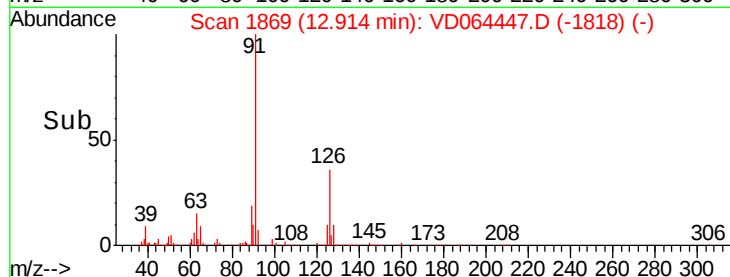
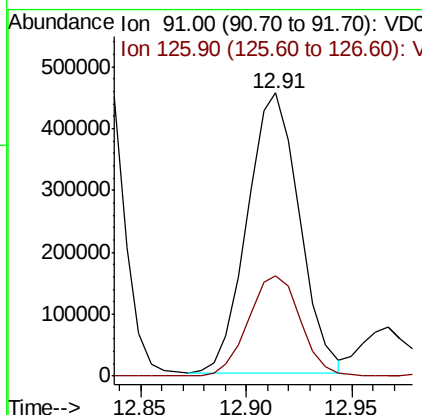
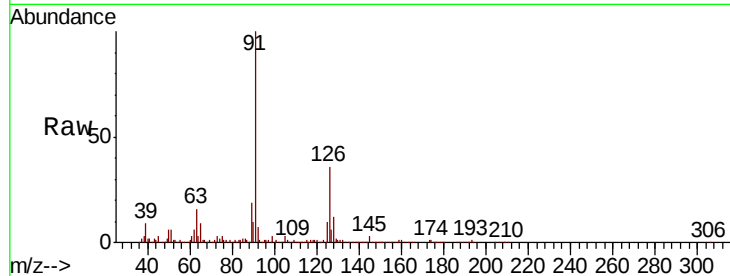




#79
 2-Chlorotoluene
 Concen: 44.458 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

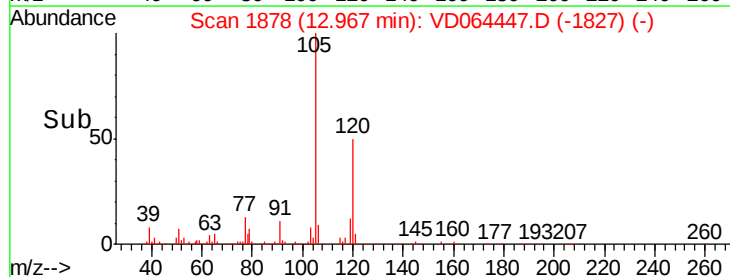
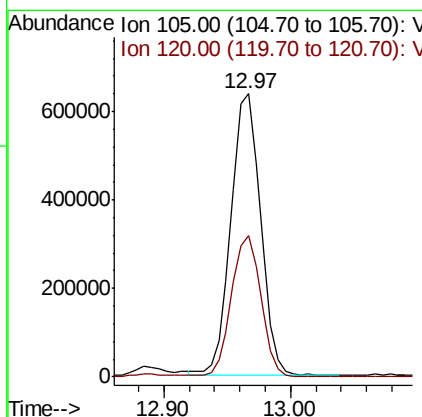
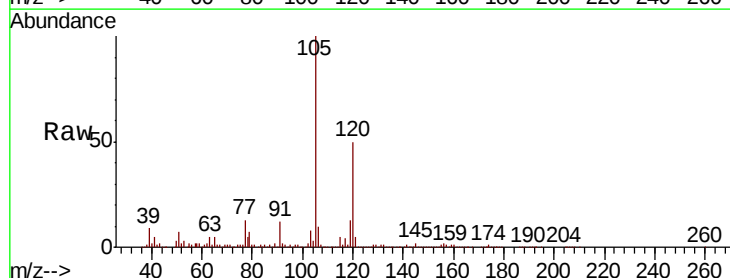
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

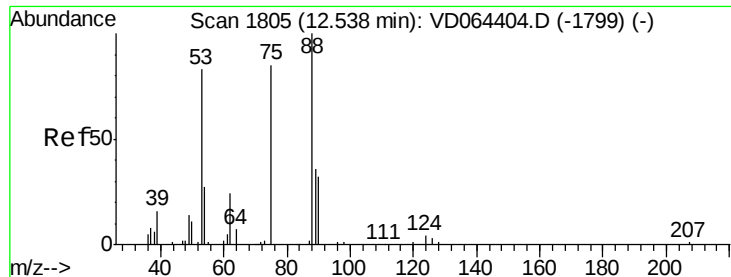
Tot Ion: 91 Resp: 776223
 Ion Ratio Lower Upper
 91 100
 126 35.9 18.0 54.0



#80
 1,3,5-Trimethylbenzene
 Concen: 45.852 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Tgt Ion:105 Resp: 1030458
 Ion Ratio Lower Upper
 105 100
 120 49.4 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 43.931 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

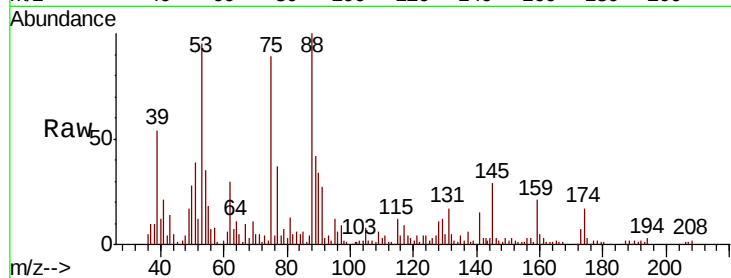
Tot Ion: 75 Resp: 63353

Ion Ratio Lower Upper

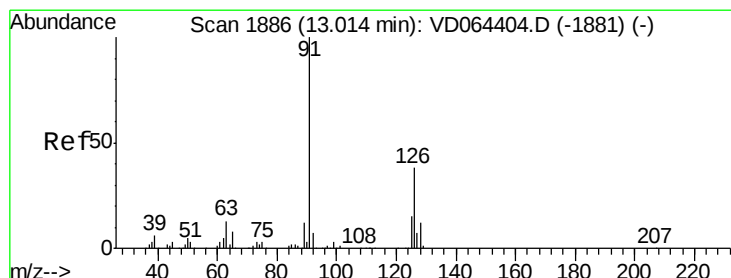
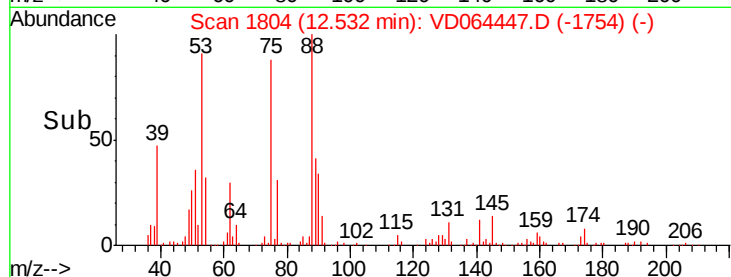
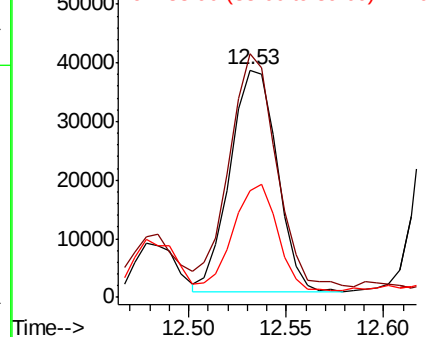
75 100

53 104.0 81.0 121.6

89 46.1 38.5 57.7



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 44.117 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064447.D

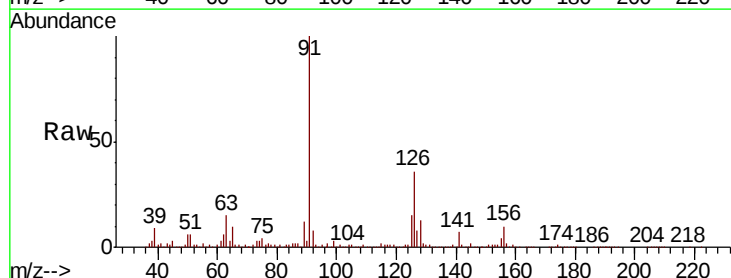
Acq: 05 Dec 2019 20:22

Tgt Ion: 91 Resp: 815546

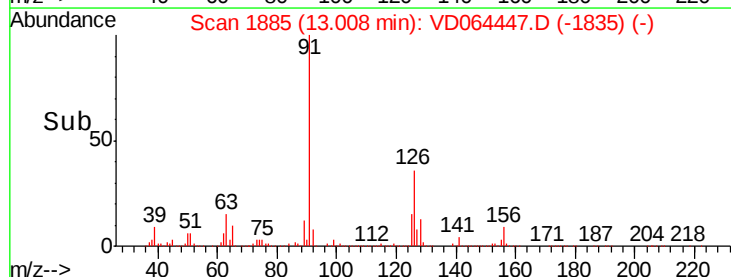
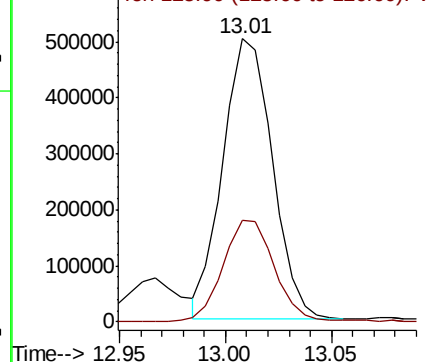
Ion Ratio Lower Upper

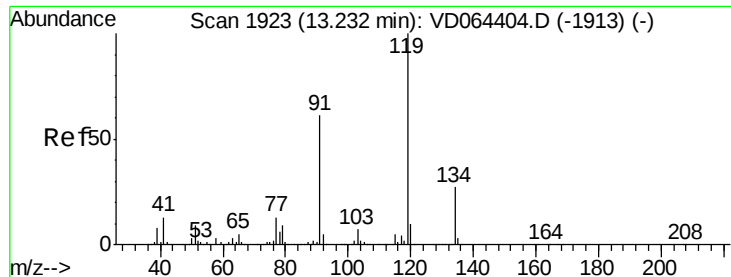
91 100

126 37.3 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 44.586 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

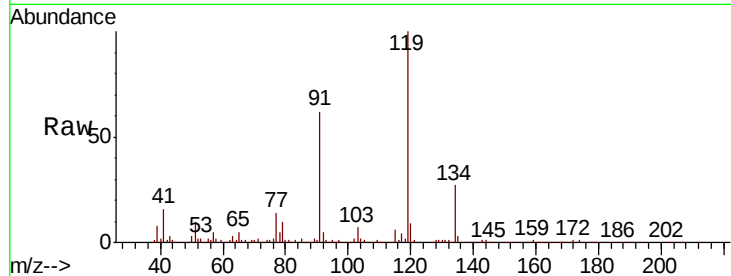
Tot Ion:119 Resp: 871130

Ion Ratio Lower Upper

119 100

91 61.2 31.2 93.6

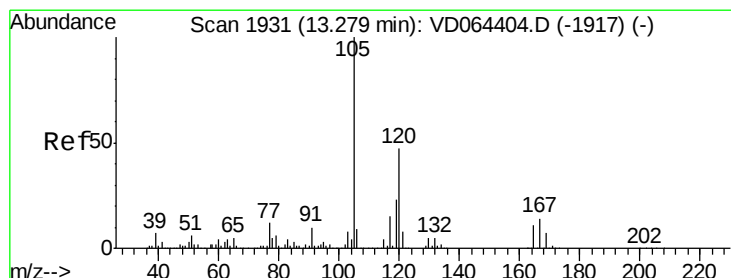
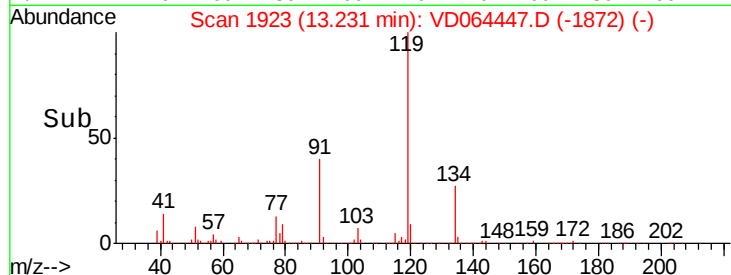
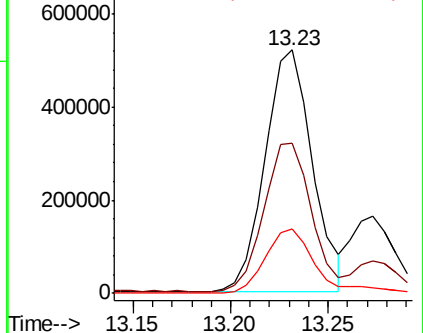
134 28.1 13.9 41.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 46.782 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.01 min

Lab File: VD064447.D

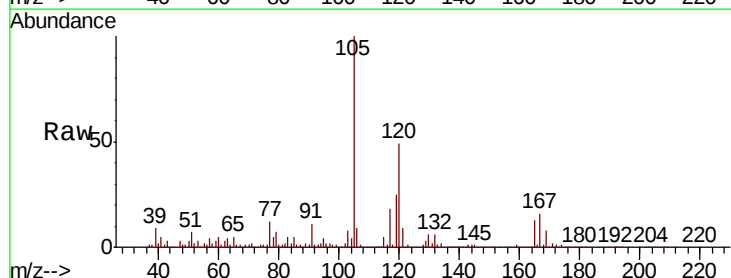
Acq: 05 Dec 2019 20:22

Tgt Ion:105 Resp: 1057180

Ion Ratio Lower Upper

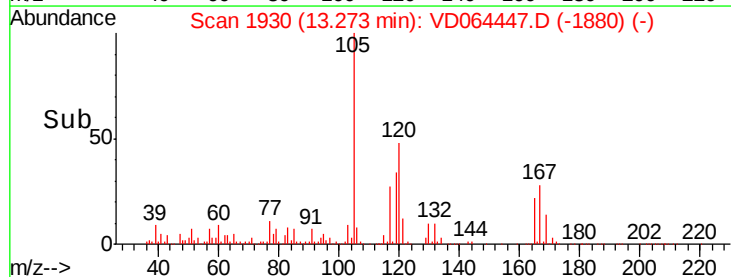
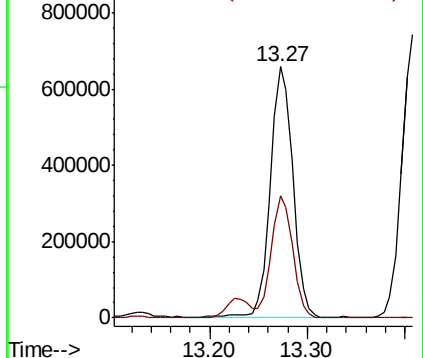
105 100

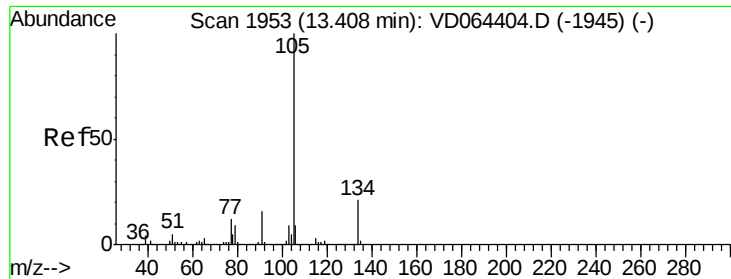
120 46.6 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

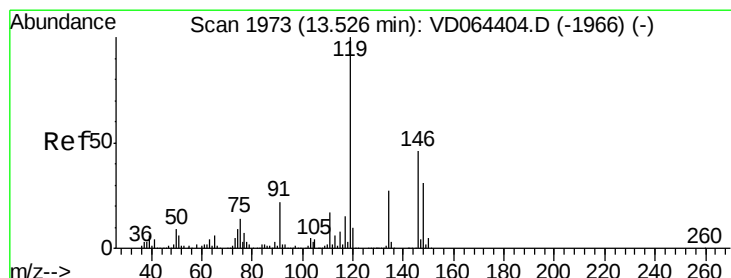
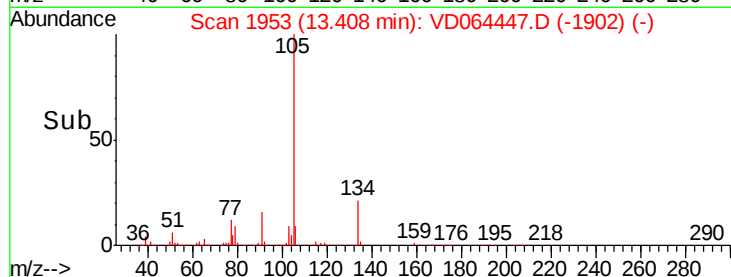
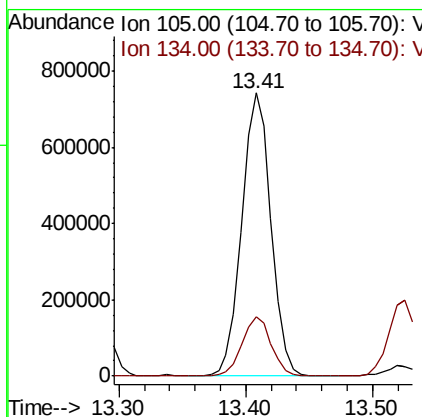
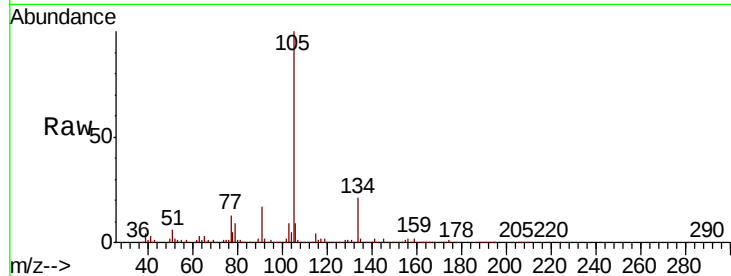




#85
 sec-Butylbenzene
 Concen: 43.858 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

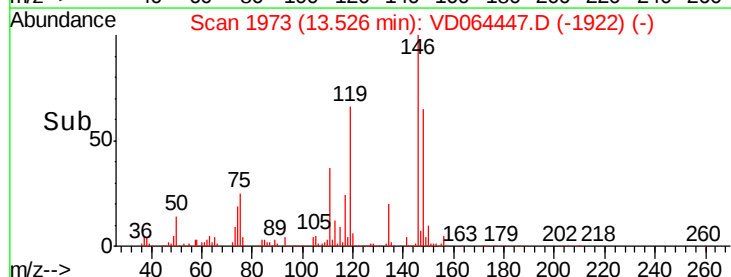
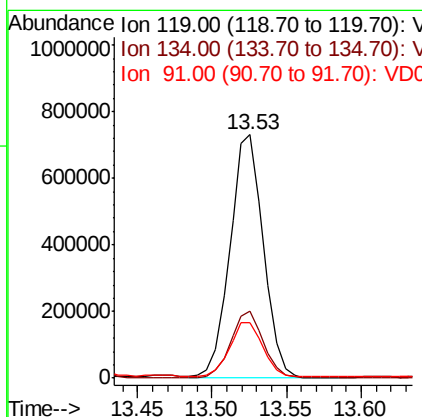
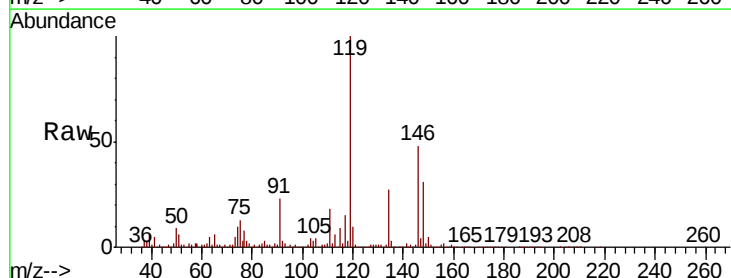
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

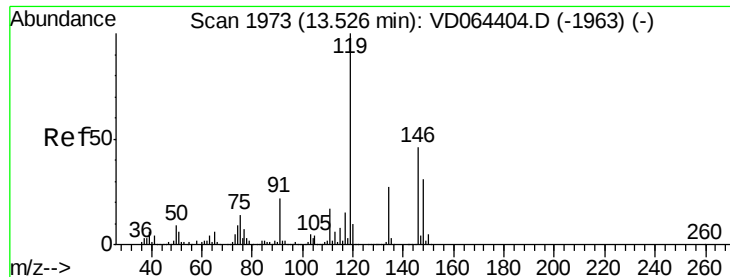
Tot Ion:105 Resp: 1176085
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 44.789 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Tgt Ion:119 Resp: 1133896
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.5 40.4
 91 22.3 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 44.765 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

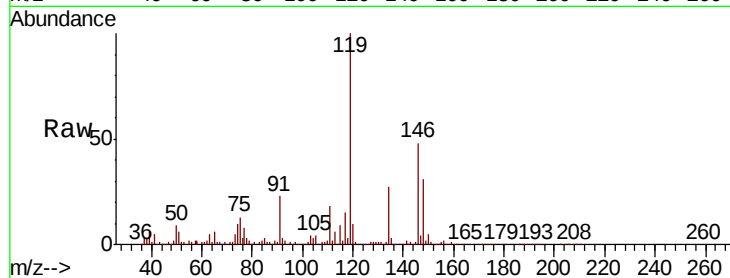
Tot Ion:146 Resp: 577003

Ion Ratio Lower Upper

146 100

111 37.1 18.8 56.4

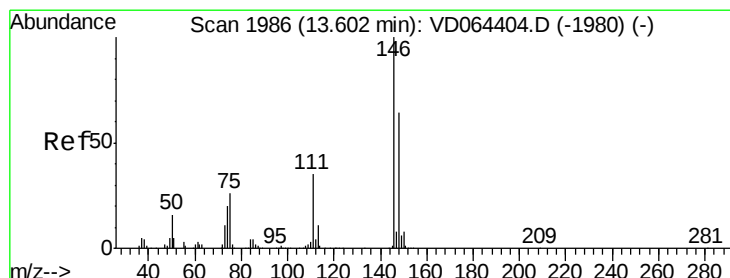
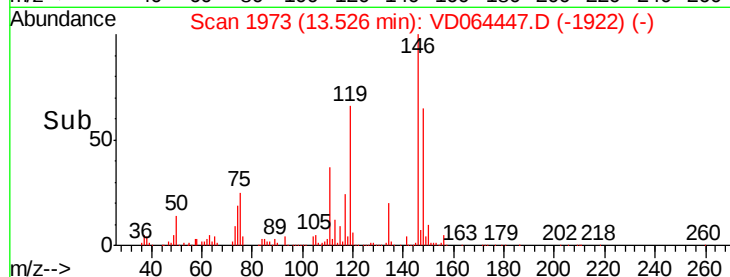
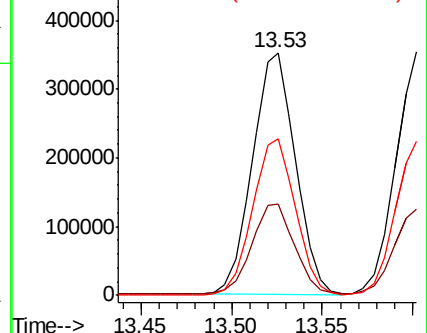
148 64.7 32.6 97.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 44.556 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

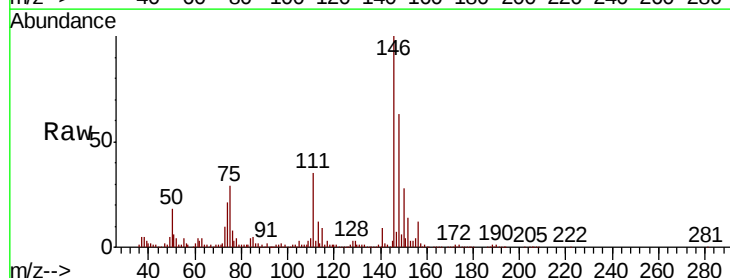
Tgt Ion:146 Resp: 567009

Ion Ratio Lower Upper

146 100

111 36.2 18.2 54.6

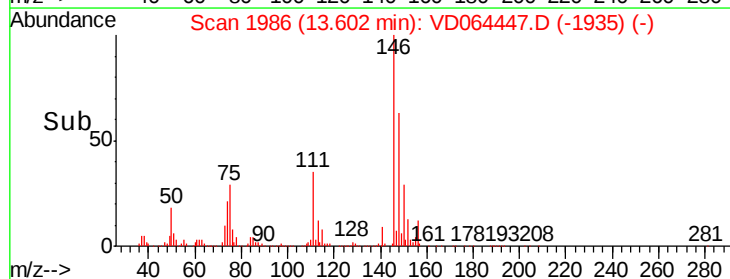
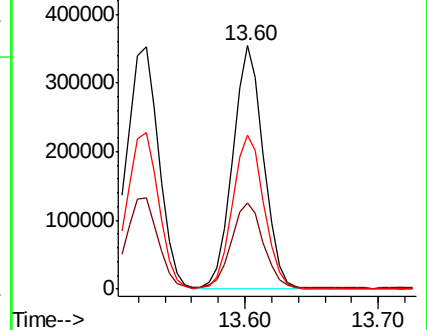
148 64.8 31.8 95.4

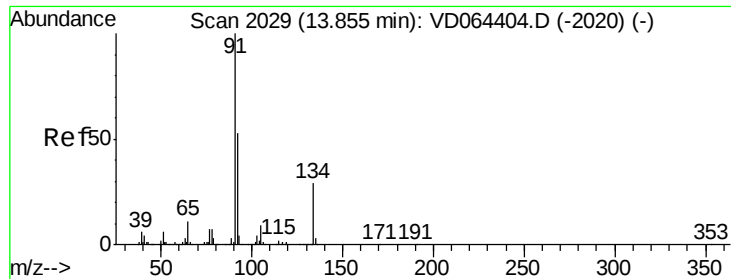


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

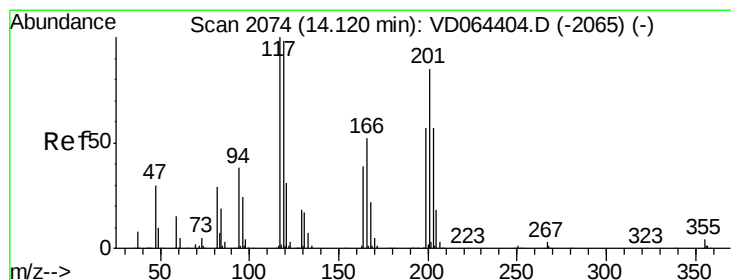
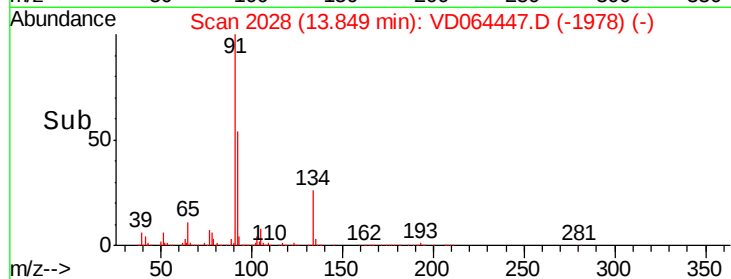
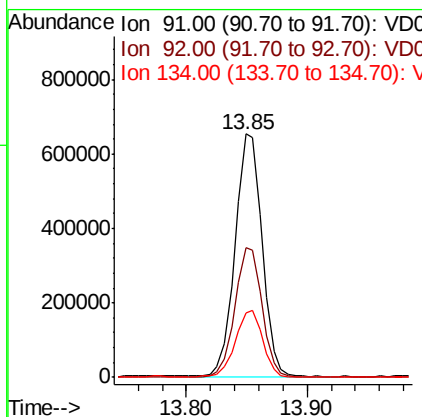
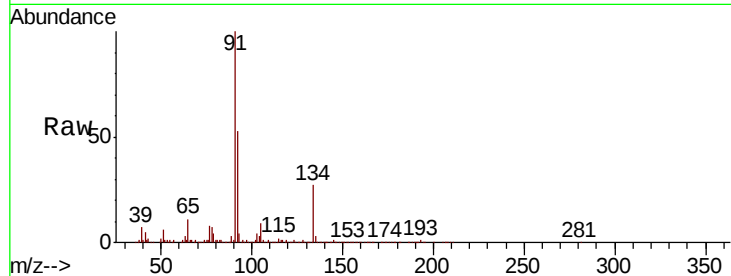




#89
n-Butylbenzene
Concen: 44.092 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

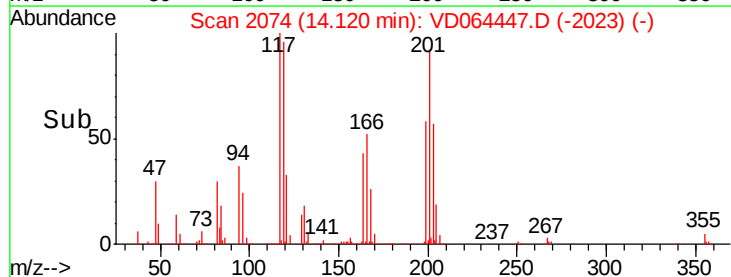
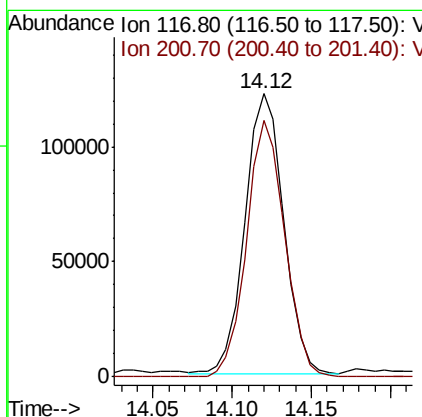
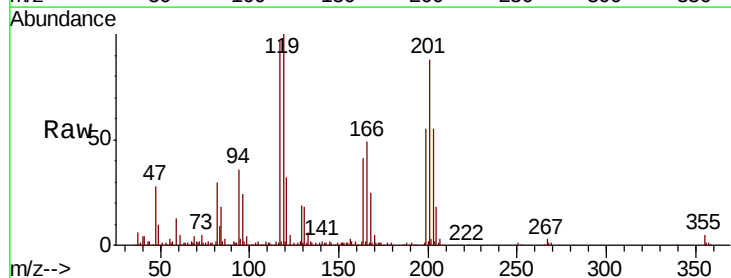
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

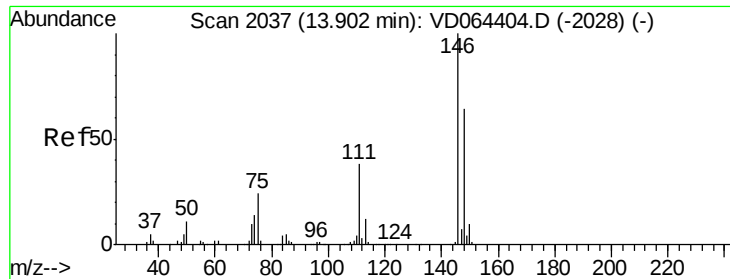
Tot Ion: 91 Resp: 1013686
Ion Ratio Lower Upper
91 100
92 53.7 26.5 79.4
134 28.3 13.9 41.7



#90
Hexachloroethane
Concen: 43.630 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion: 117 Resp: 206593
Ion Ratio Lower Upper
117 100
201 89.9 44.3 132.8





#91

1,2-Dichlorobenzene

Concen: 45.719 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

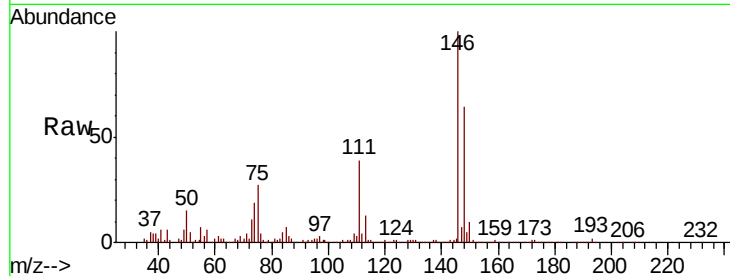
Tot Ion:146 Resp: 503628

Ion Ratio Lower Upper

146 100

111 40.9 19.1 57.3

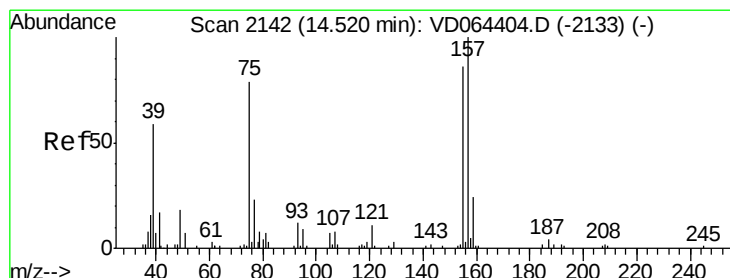
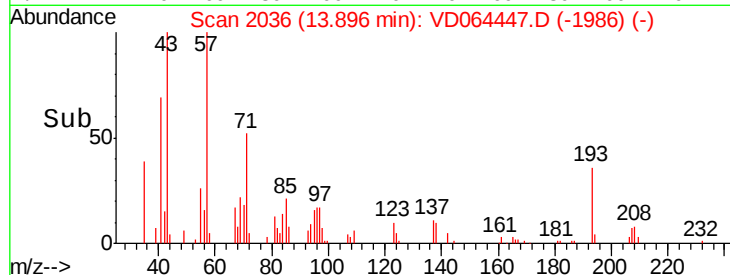
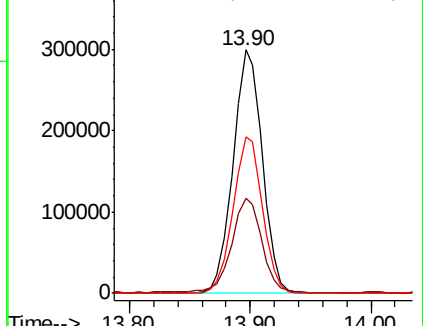
148 64.9 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.015 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

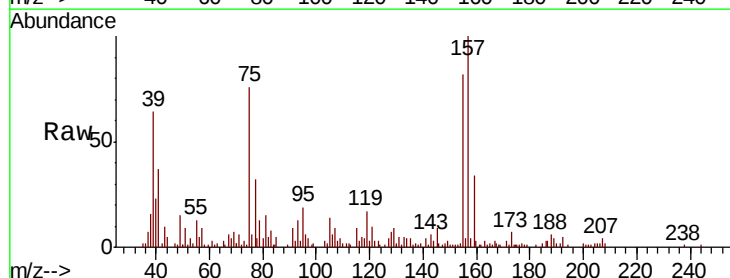
Tgt Ion: 75 Resp: 33986

Ion Ratio Lower Upper

75 100

155 97.7 51.9 155.7

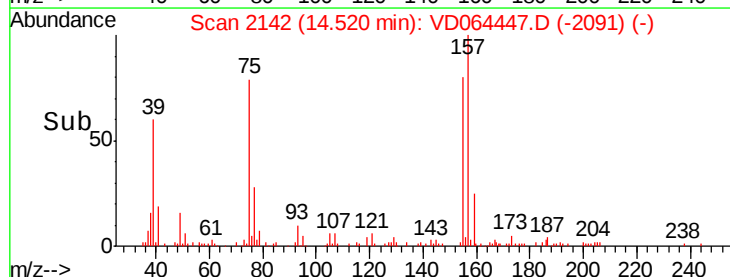
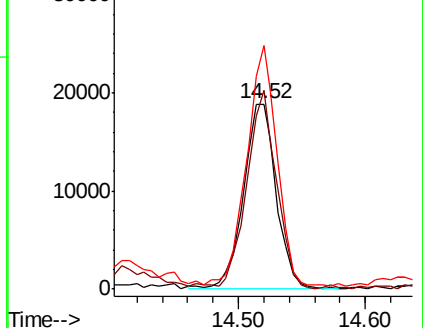
157 119.9 63.2 189.8

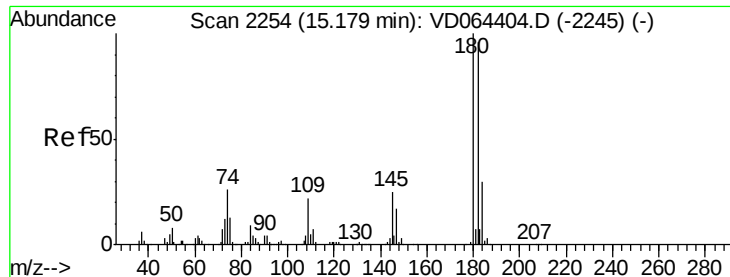


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

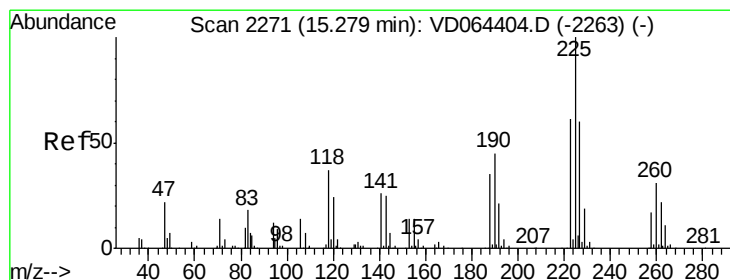
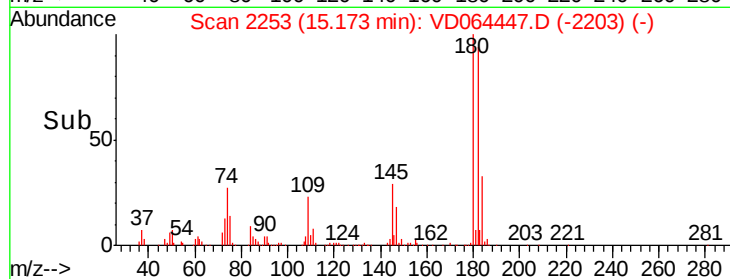
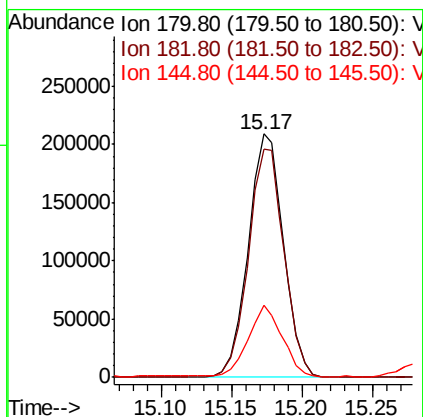
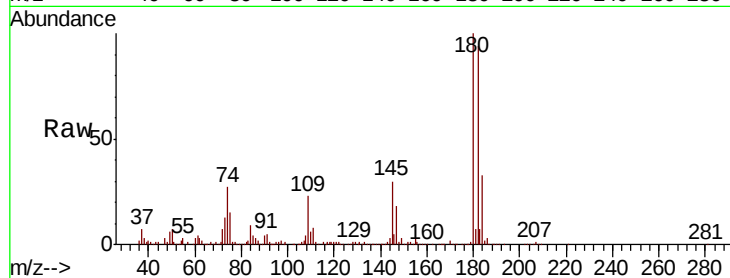




#93
 1,2,4-Trichlorobenzene
 Concen: 43.262 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

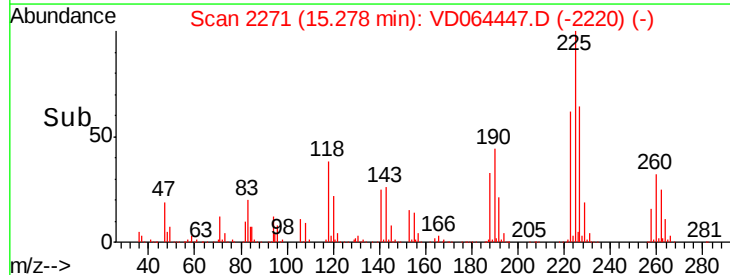
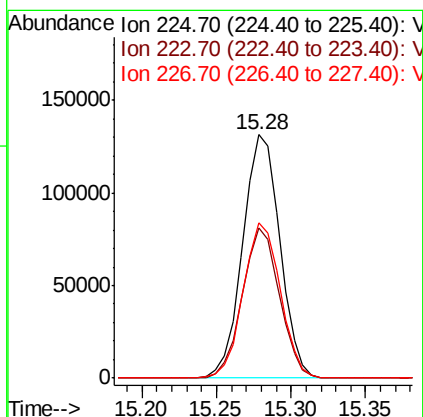
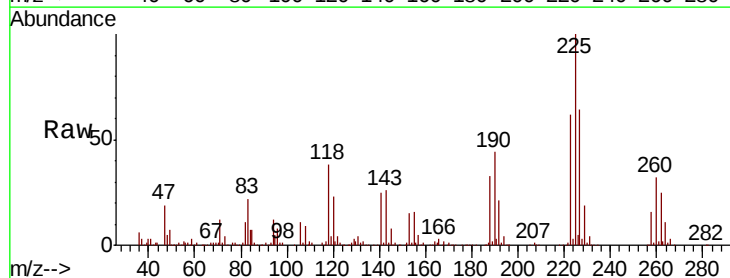
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

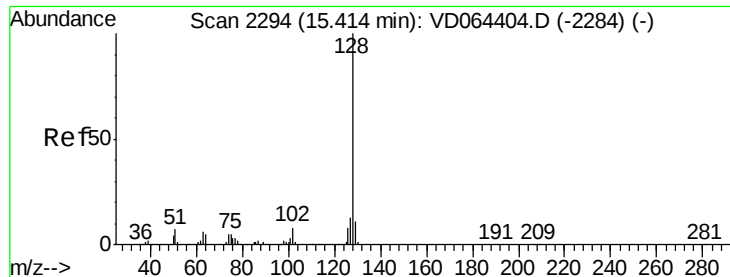
Tot Ion:180 Resp: 364975
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.4 142.3
 145 29.0 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 43.504 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Tgt Ion:225 Resp: 226574
 Ion Ratio Lower Upper
 225 100
 223 61.5 31.1 93.3
 227 63.9 31.8 95.4





#95

Naphthalene

Concen: 45.968 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

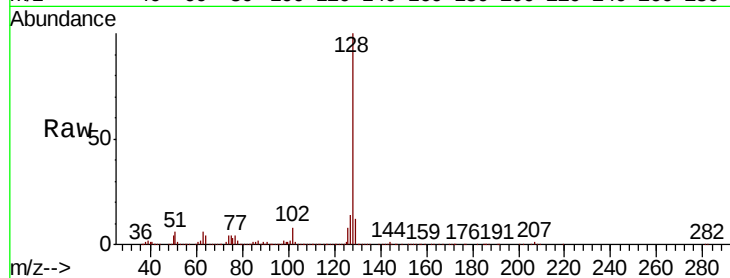
Tot Ion:128 Resp: 647193

Ion Ratio Lower Upper

128 100

127 13.8 10.5 15.7

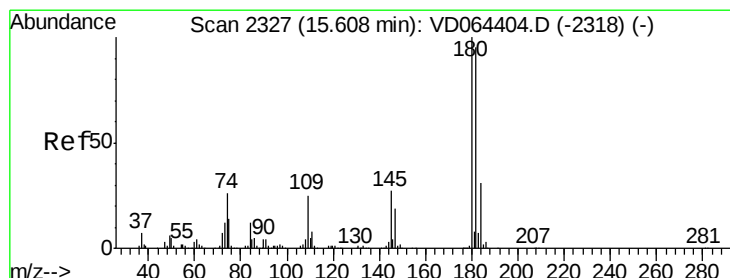
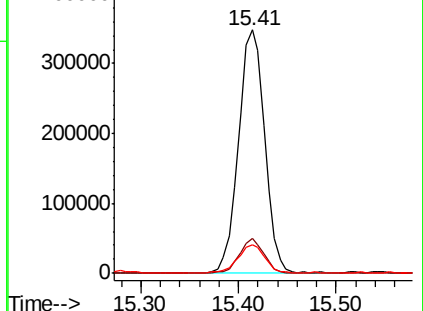
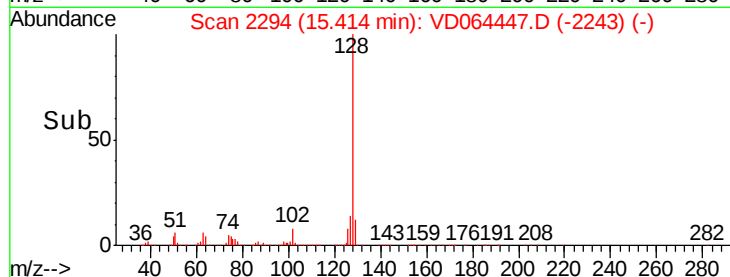
129 11.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 45.489 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

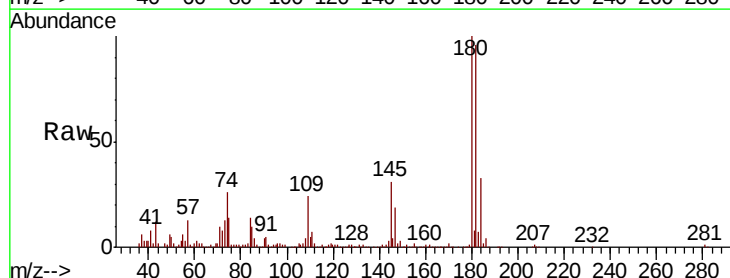
Tgt Ion:180 Resp: 327581

Ion Ratio Lower Upper

180 100

182 93.3 47.6 142.9

145 31.5 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

