

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022120\
 Data File : VD065275.D
 Acq On : 21 Feb 2020 15:05
 Operator : VA/SY
 Sample : L1635-03MSD
 Misc : 6.19G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 22 02:24:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	410140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	594722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	439337	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	129268	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	196019	53.13	ug/l	0.00
Spiked Amount			Recovery	=	106.26%	
35) Dibromofluoromethane	7.92	113	208498	57.50	ug/l	0.00
Spiked Amount			Recovery	=	115.00%	
50) Toluene-d8	10.34	98	736555	53.13	ug/l	0.00
Spiked Amount			Recovery	=	106.26%	
62) 4-Bromofluorobenzene	12.64	95	160286	36.50	ug/l	0.00
Spiked Amount			Recovery	=	73.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	187705	54.565	ug/l	98
3) Chloromethane	2.21	50	223726	51.096	ug/l	100
4) Vinyl Chloride	2.35	62	226219	50.809	ug/l	99
5) Bromomethane	2.77	94	136310	50.635	ug/l	96
6) Chloroethane	2.93	64	136504	50.227	ug/l	99
7) Trichlorofluoromethane	3.27	101	306906	48.147	ug/l	98
8) Diethyl Ether	3.71	74	93714	48.705	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	183690	45.632	ug/l	98
10) Methyl Iodide	4.30	142	236233	56.521	ug/l	99
11) Tert butyl alcohol	5.26	59	40882	185.423	ug/l #	72
12) 1,1-Dichloroethene	4.06	96	189151	49.742	ug/l	99
13) Acrolein	3.93	56	46598	162.275	ug/l	93
14) Allyl chloride	4.71	41	315394	51.075	ug/l	98
15) Acrylonitrile	5.43	53	186345	218.747	ug/l	99
16) Acetone	4.17	43	127817	141.715	ug/l	97
17) Carbon Disulfide	4.40	76	596800	46.813	ug/l	100
18) Methyl Acetate	4.73	43	283636	139.824	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	386752	48.772	ug/l	98
20) Methylene Chloride	4.97	84	240504	60.903	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	212701	49.204	ug/l	96
22) Diisopropyl ether	6.37	45	608838	51.145	ug/l	96
23) Vinyl Acetate	6.31	43	240052	36.578	ug/l	98
24) 1,1-Dichloroethane	6.27	63	370029	50.114	ug/l	98
25) 2-Butanone	7.22	43	209838	183.884	ug/l	99
26) 2,2-Dichloropropane	7.21	77	312831	48.831	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	223838	48.884	ug/l	100
28) Bromochloromethane	7.56	49	140347	51.234	ug/l	100
29) Tetrahydrofuran	7.57	42	146681	219.378	ug/l	99
30) Chloroform	7.71	83	361843	48.642	ug/l	97
31) Cyclohexane	7.99	56	278607	38.403	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	321056	48.238	ug/l	99
36) 1,1-Dichloropropene	8.11	75	260546	45.025	ug/l	100
37) Ethyl Acetate	7.30	43	82760	34.211	ug/l	98
38) Carbon Tetrachloride	8.10	117	274007	46.515	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	205765	30.246	ug/l	99
40) Benzene	8.36	78	814239	49.851	ug/l	95
41) Methacrylonitrile	7.54	41	58819	42.111	ug/l	99
42) 1,2-Dichloroethane	8.43	62	216533	48.222	ug/l	99
43) Isopropyl Acetate	8.46	43	165770	37.683	ug/l	95
44) Trichloroethene	9.11	130	204688	45.209	ug/l	98
45) 1,2-Dichloropropane	9.39	63	203013	49.985	ug/l	99
46) Dibromomethane	9.48	93	98008	46.901	ug/l	100
47) Bromodichloromethane	9.67	83	262767	47.714	ug/l	99
48) Methyl methacrylate	9.46	41	120906	59.461	ug/l	98
49) 1,4-Dioxane	9.47	88	22361	912.360	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	494999	221.542	ug/l	100
52) Toluene	10.41	92	466200	46.112	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	229866	45.031	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	289258	46.927	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	135236	45.979	ug/l	97
56) Ethyl methacrylate	10.67	69	111643	32.886	ug/l	99
57) 1,3-Dichloropropane	10.95	76	232196	46.384	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	228780	213.753	ug/l	100
59) 2-Hexanone	10.99	43	318139	198.908	ug/l	97
60) Dibromochloromethane	11.14	129	165516	43.967	ug/l	100
61) 1,2-Dibromoethane	11.25	107	123343	44.291	ug/l	97
64) Tetrachloroethene	10.88	164	138604	44.482	ug/l	95
65) Chlorobenzene	11.67	112	410974	46.615	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	179805	54.651	ug/l	98
67) Ethyl Benzene	11.75	91	729983	47.276	ug/l	99
68) m/p-Xylenes	11.86	106	547415	92.663	ug/l	99
69) o-Xylene	12.18	106	257892	49.274	ug/l	99
70) Styrene	12.20	104	402854	43.353	ug/l	98
71) Bromoform	12.37	173	88941	48.717	ug/l #	97
73) Isopropylbenzene	12.48	105	598163	69.894	ug/l	98
74) N-amyl acetate	12.30	43	60165	31.638	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	124514	80.615	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	154590	140.556	ug/l #	100
77) Bromobenzene	12.77	156	142179	66.903	ug/l	96
78) n-propylbenzene	12.83	91	597100	58.058	ug/l	100
79) 2-Chlorotoluene	12.91	91	348863	60.551	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	447624	63.504	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	39701	77.939	ug/l	96
82) 4-Chlorotoluene	13.01	91	339725	55.542	ug/l	99
83) tert-Butylbenzene	13.23	119	384484	65.082	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	432477	61.299	ug/l	100
85) sec-Butylbenzene	13.41	105	420670	49.417	ug/l	100
86) p-Isopropyltoluene	13.53	119	371136	47.674	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	181559	44.193	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	183278	45.201	ug/l	98
89) n-Butylbenzene	13.86	91	231078	32.212	ug/l	100
90) Hexachloroethane	14.12	117	92908	58.777	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	167241	47.410	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	16089	67.594	ug/l	99

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Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
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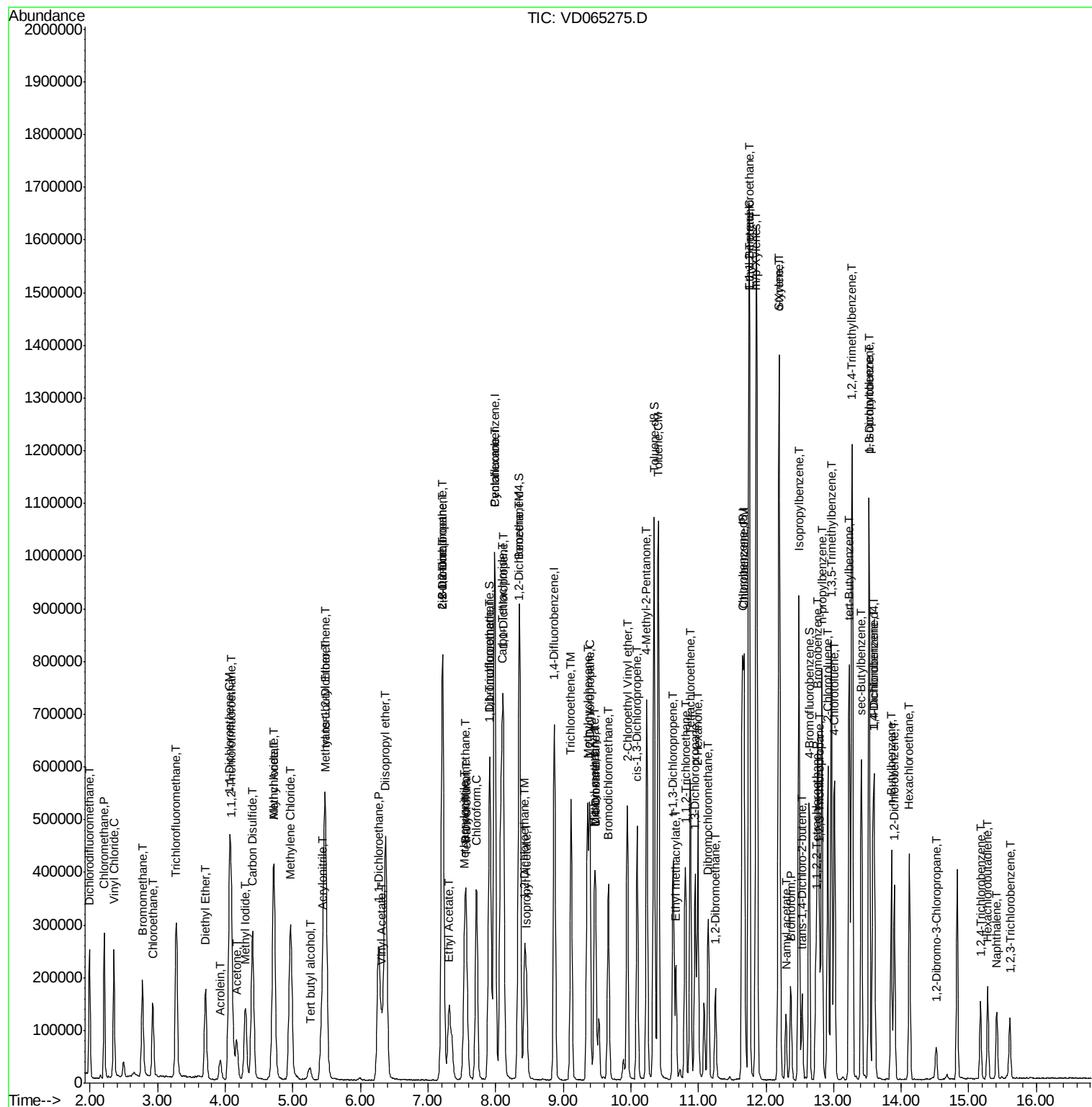
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	52614	22.802	ug/l	99
94) Hexachlorobutadiene	15.28	225	35027	23.664	ug/l	98
95) Naphthalene	15.41	128	114072	30.410	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	41905	20.794	ug/l	94

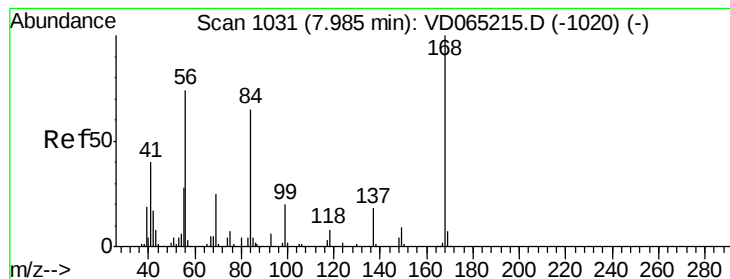
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

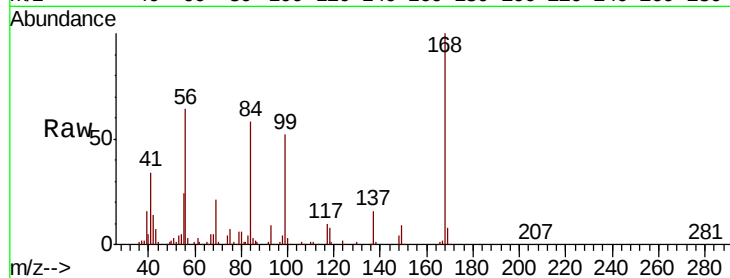
ClientSampleId :

Tot Ion:168 Resp: 410140

Ion Ratio Lower Upper

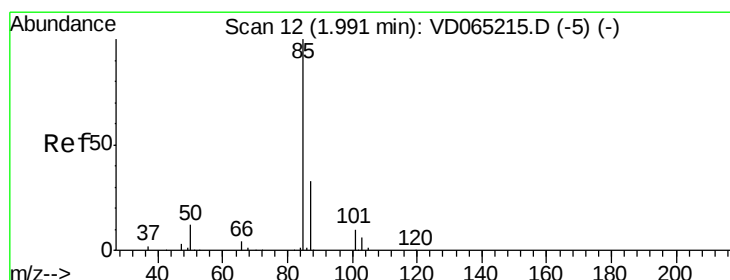
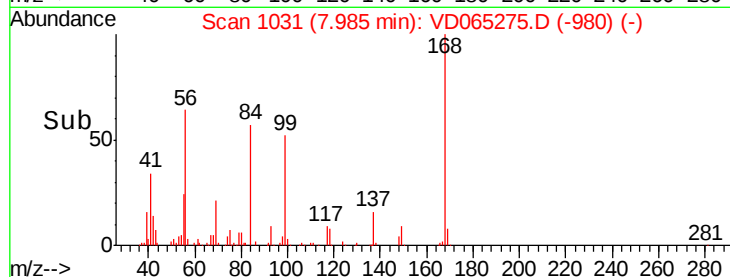
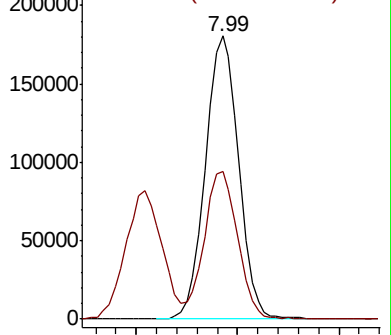
168 100

99 51.8 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 54.565 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065275.D

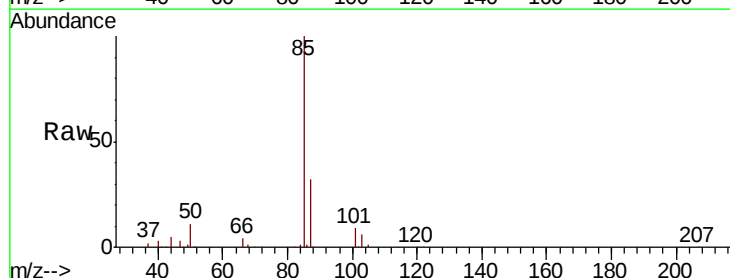
Acq: 21 Feb 2020 15:05

Tgt Ion: 85 Resp: 187705

Ion Ratio Lower Upper

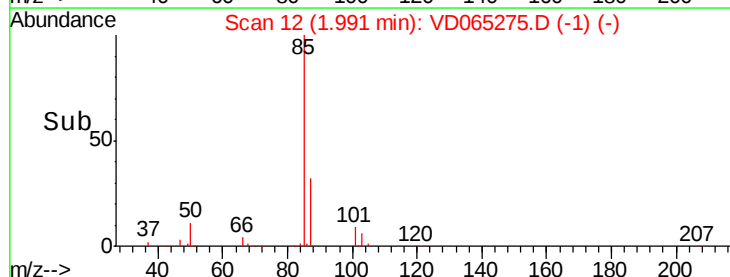
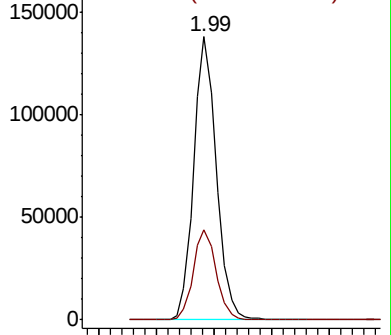
85 100

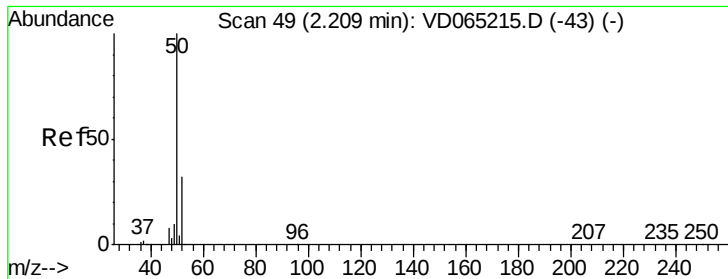
87 31.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 51.096 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

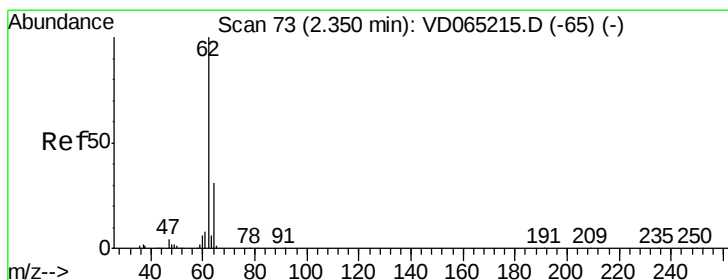
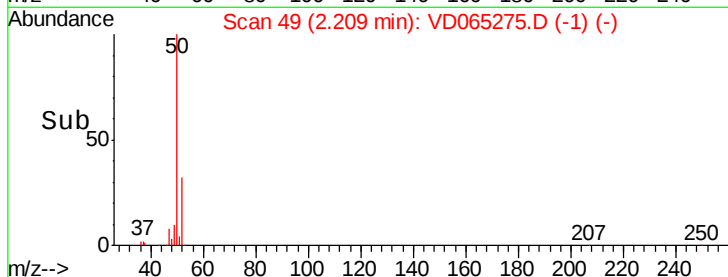
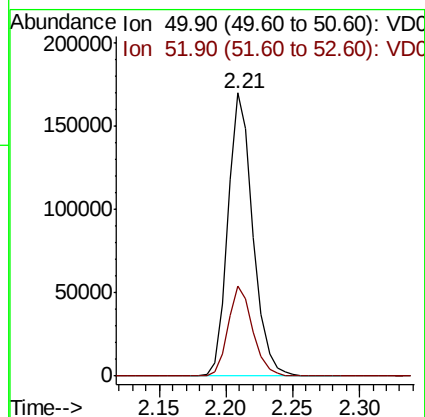
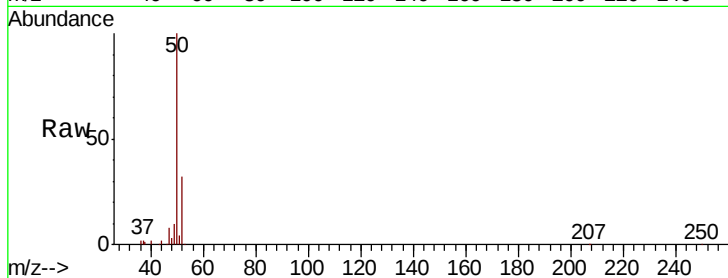
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 223726

Ion Ratio Lower Upper

50 100

52 31.9 25.5 38.3



#4

Vinyl Chloride

Concen: 50.809 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065275.D

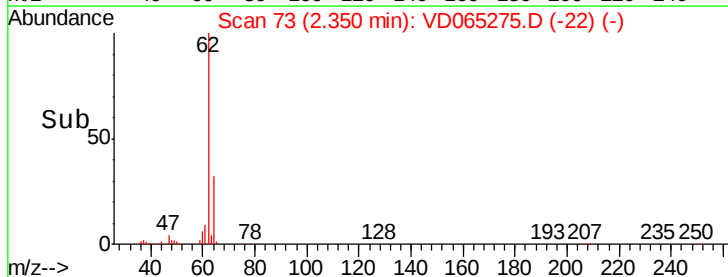
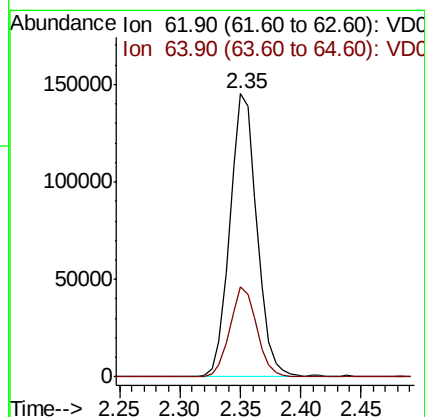
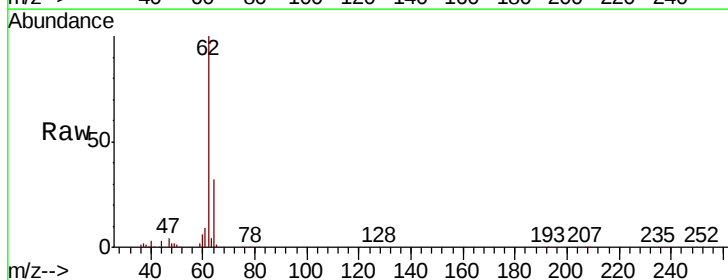
Acq: 21 Feb 2020 15:05

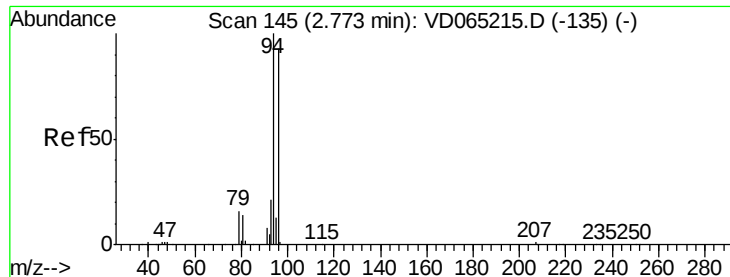
Tgt Ion: 62 Resp: 226219

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.6





#5

Bromomethane

Concen: 50.635 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

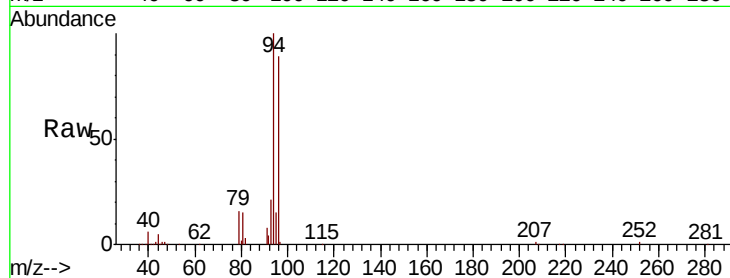
ClientSampleId :

Tot Ion: 94 Resp: 136310

Ion Ratio Lower Upper

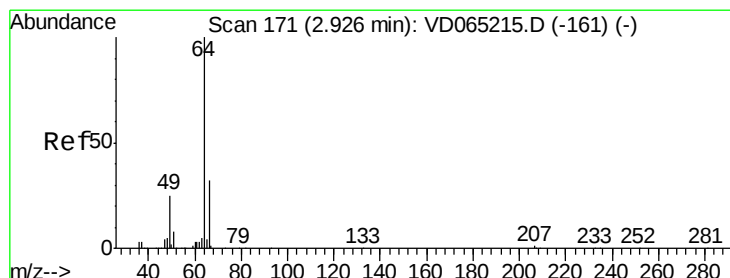
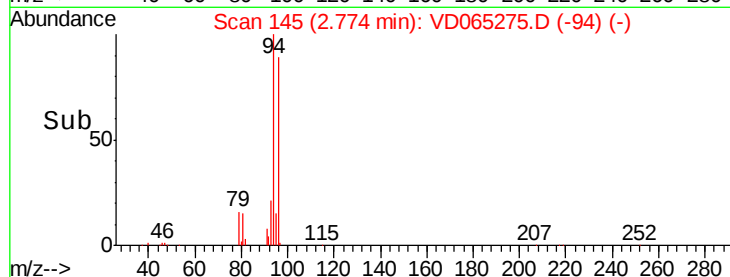
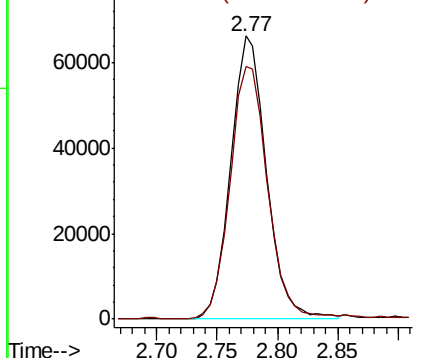
94 100

96 89.4 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 50.227 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065275.D

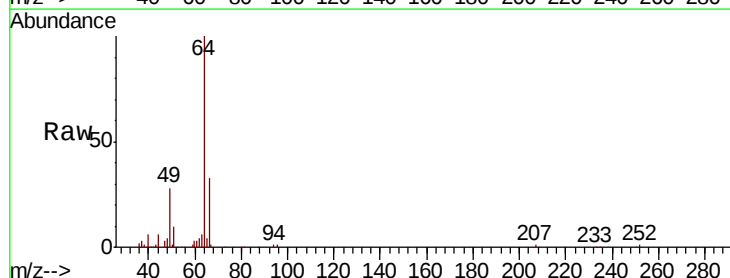
Acq: 21 Feb 2020 15:05

Tgt Ion: 64 Resp: 136504

Ion Ratio Lower Upper

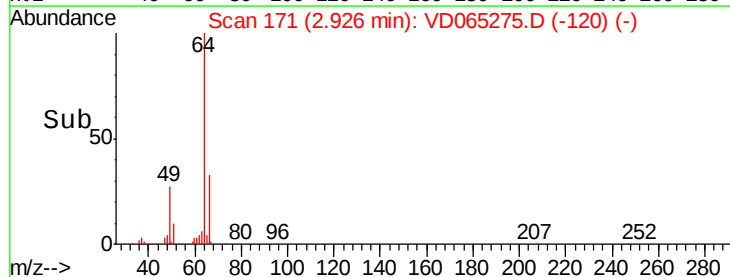
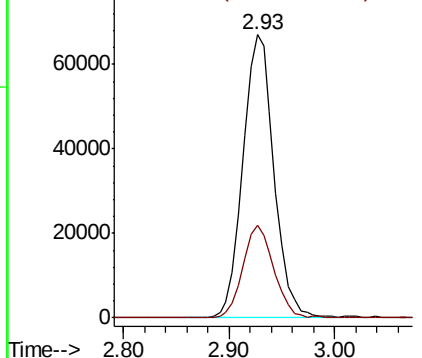
64 100

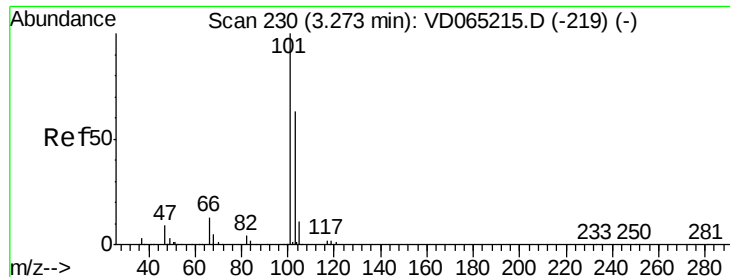
66 32.8 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



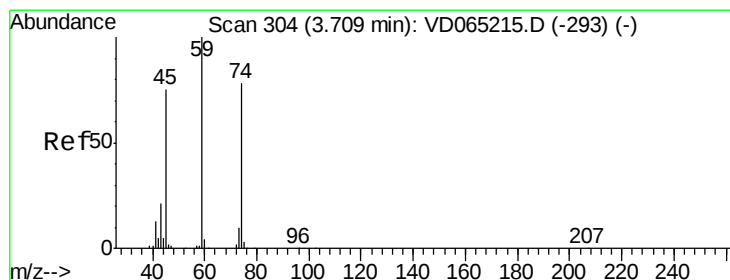
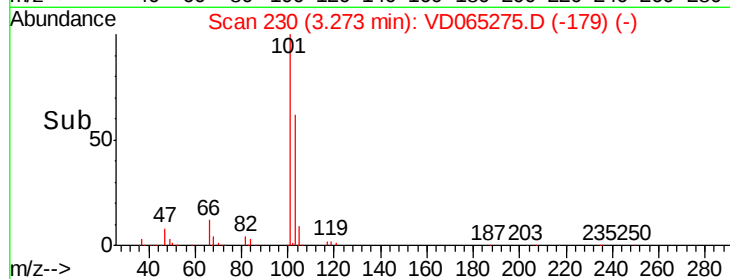
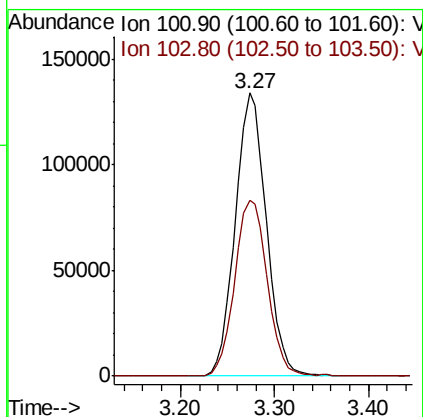
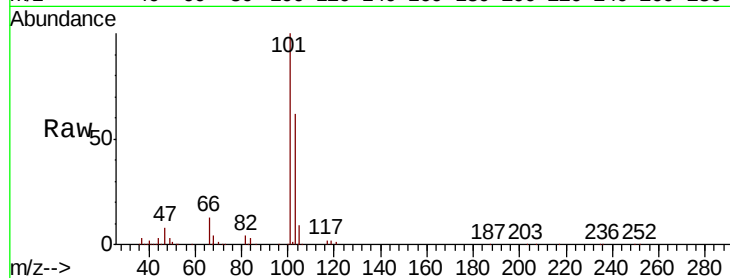


#7

Trichlorofluoromethane
 Concen: 48.147 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065275.D
 Acq: 21 Feb 2020 15:05

Instrument :
 MSVOA_D
 ClientSampled :

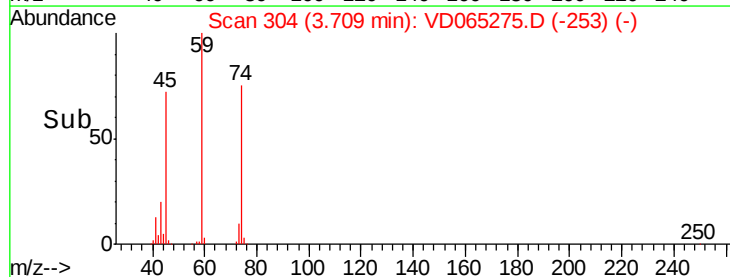
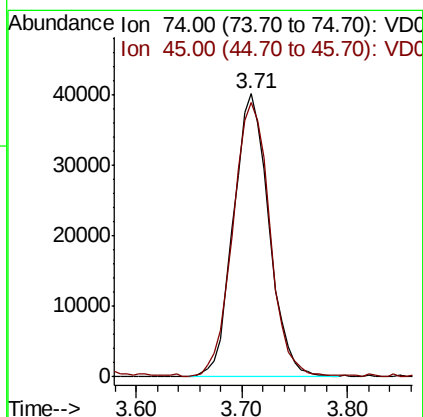
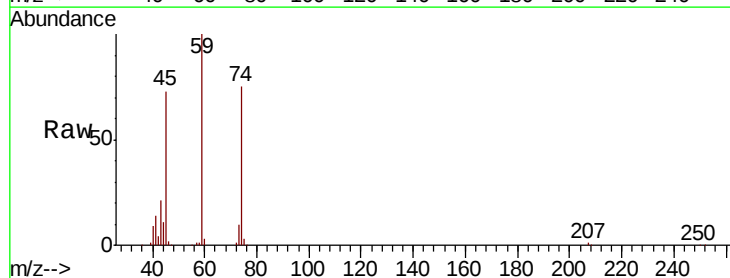
Tot Ion:101 Resp: 306906
 Ion Ratio Lower Upper
 101 100
 103 62.0 50.7 76.1

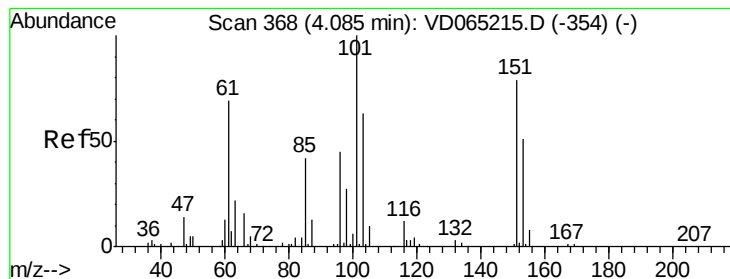


#8

Diethyl Ether
 Concen: 48.705 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065275.D
 Acq: 21 Feb 2020 15:05

Tgt Ion: 74 Resp: 93714
 Ion Ratio Lower Upper
 74 100
 45 101.4 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.632 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

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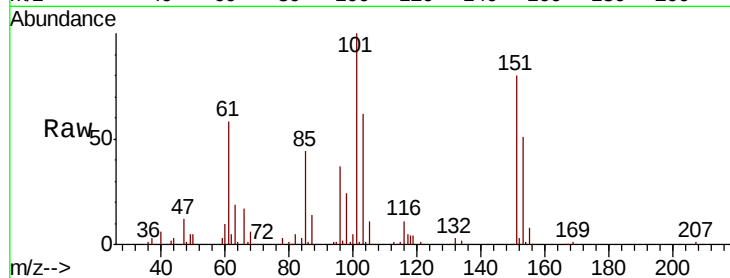
Tot Ion:101 Resp: 183690

Ion Ratio Lower Upper

101 100

85 42.3 34.2 51.2

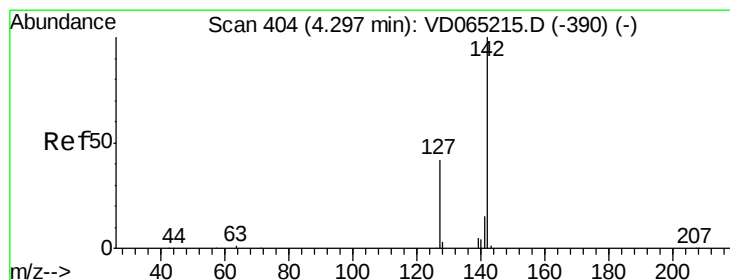
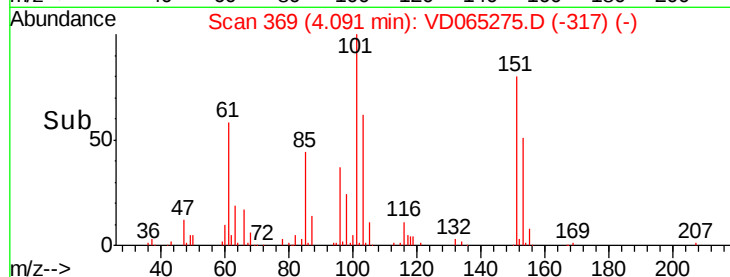
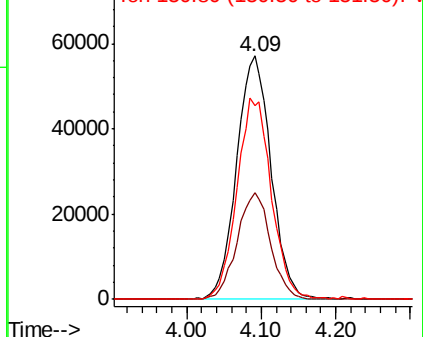
151 82.1 63.5 95.3



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: 56.521 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

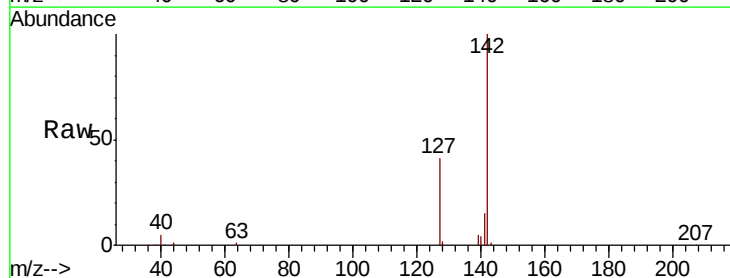
Tgt Ion:142 Resp: 236233

Ion Ratio Lower Upper

142 100

127 42.7 33.8 50.8

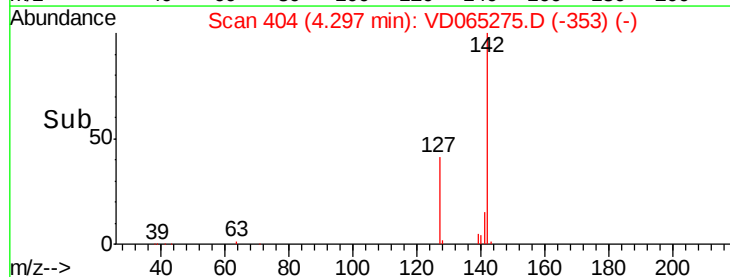
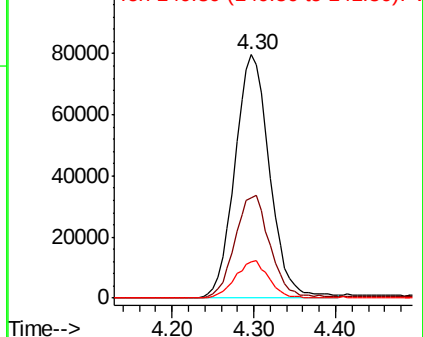
141 14.7 11.7 17.5

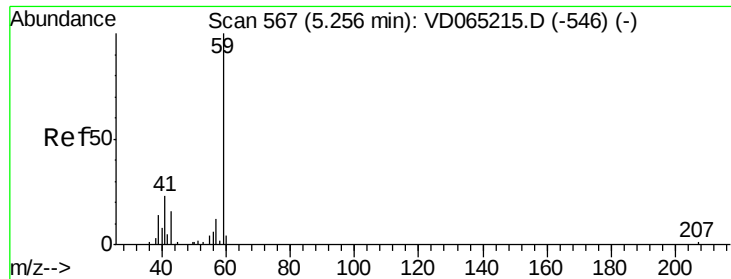


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

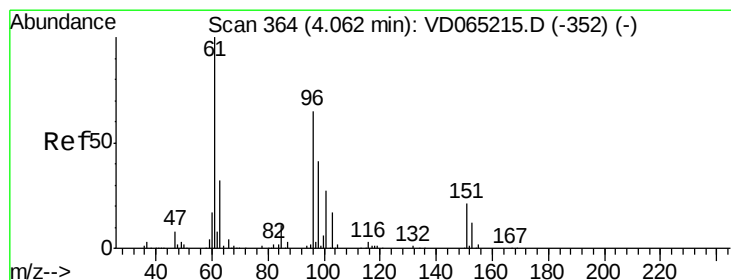
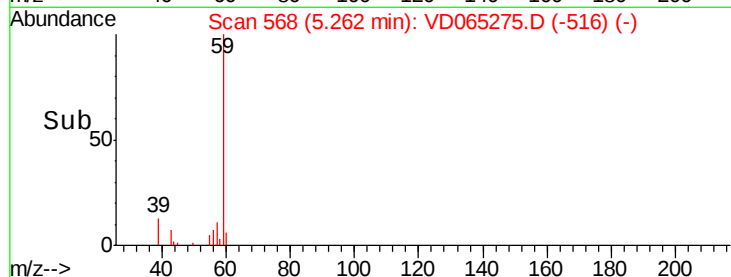
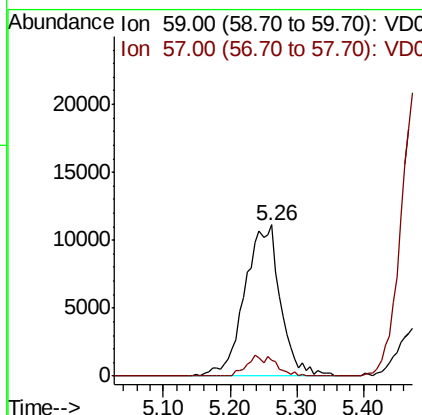
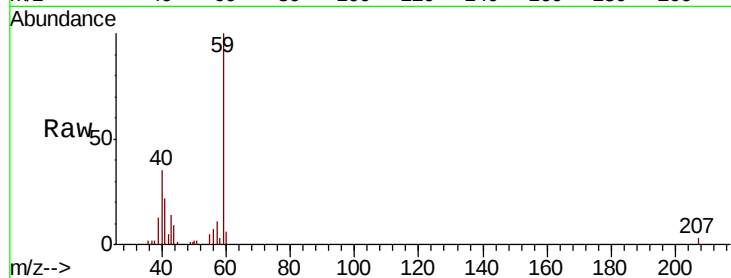




#11
Tert butyl alcohol
Concen: 185.423 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.01 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

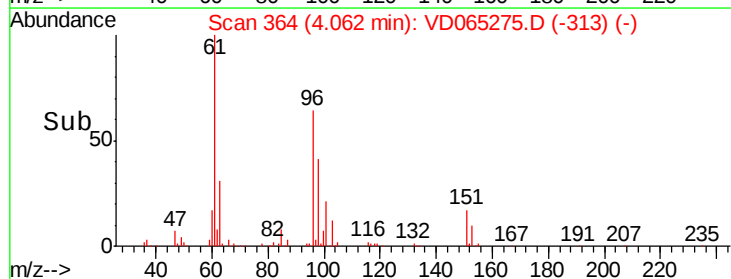
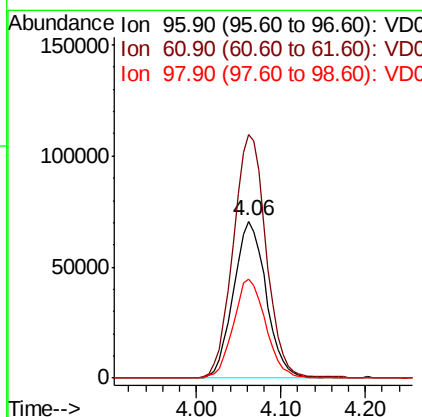
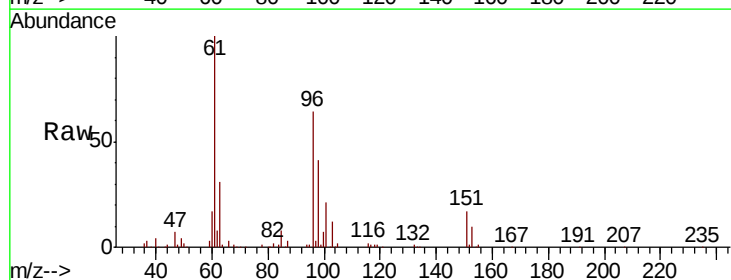
Instrument :
MSVOA_D
ClientSampleId :

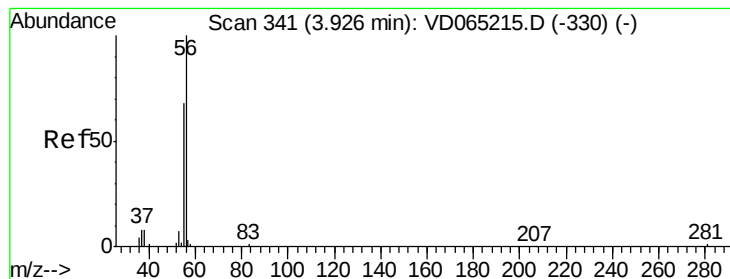
Tot Ion: 59 Resp: 40882
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#12
1,1-Dichloroethene
Concen: 49.742 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion: 96 Resp: 189151
Ion Ratio Lower Upper
96 100
61 155.3 123.3 184.9
98 63.1 51.0 76.4





#13

Acrolein

Concen: 162.275 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

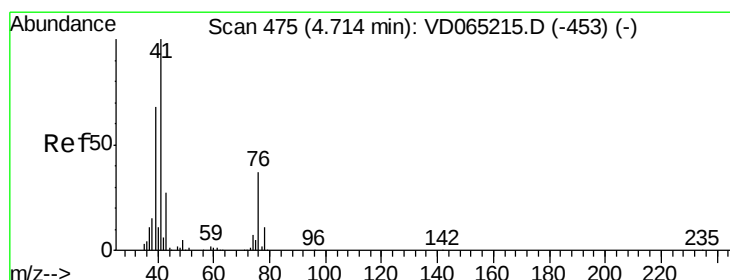
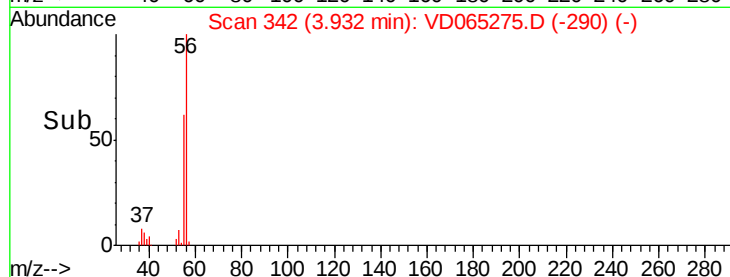
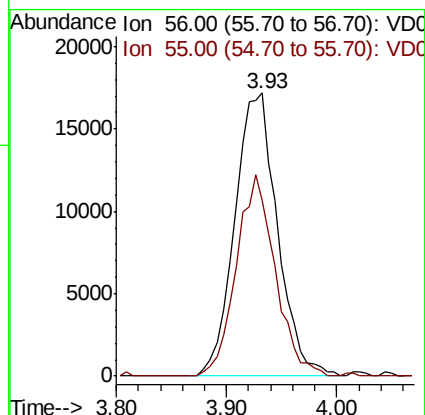
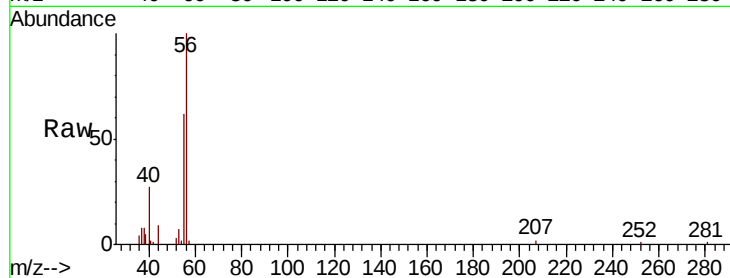
ClientSampleId :

Tot Ion: 56 Resp: 46598

Ion Ratio Lower Upper

56 100

55 64.9 56.6 85.0



#14

Allyl chloride

Concen: 51.075 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

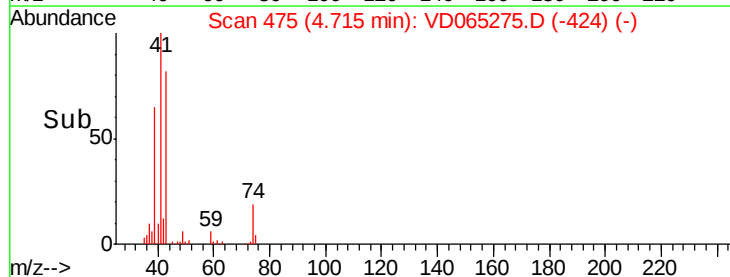
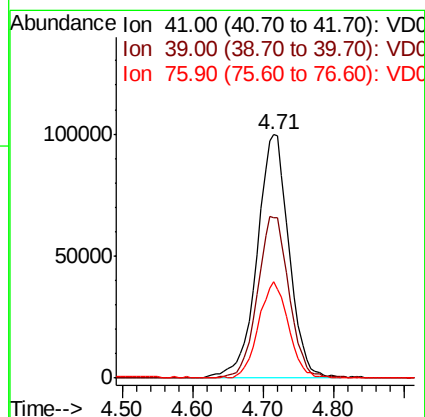
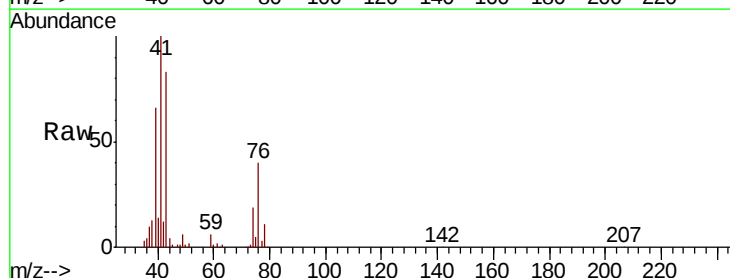
Tgt Ion: 41 Resp: 315394

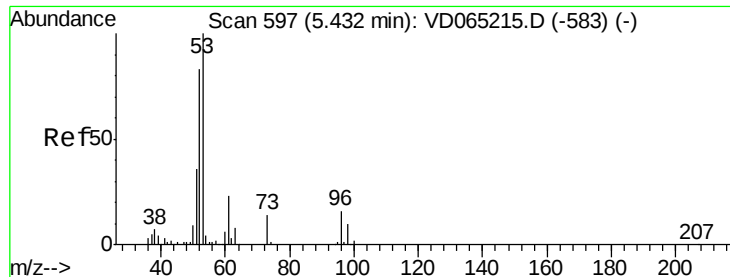
Ion Ratio Lower Upper

41 100

39 65.9 53.8 80.6

76 37.2 28.7 43.1





#15

Acrylonitrile

Concen: 218.747 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

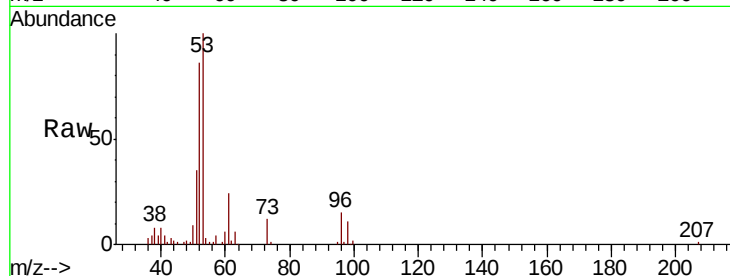
Tot Ion: 53 Resp: 186345

Ion Ratio Lower Upper

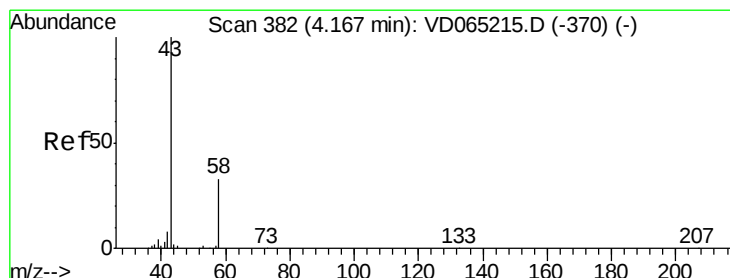
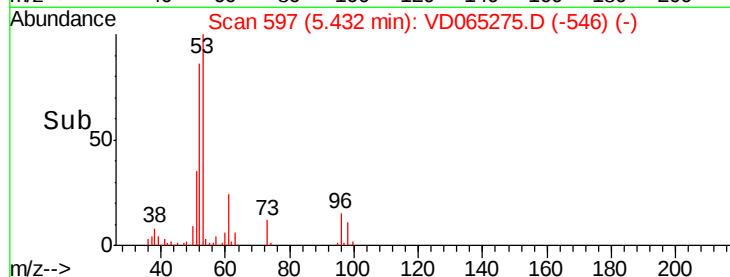
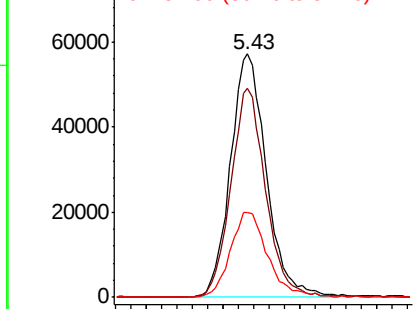
53 100

52 83.2 65.4 98.2

51 36.6 29.5 44.3



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: 141.715 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065275.D

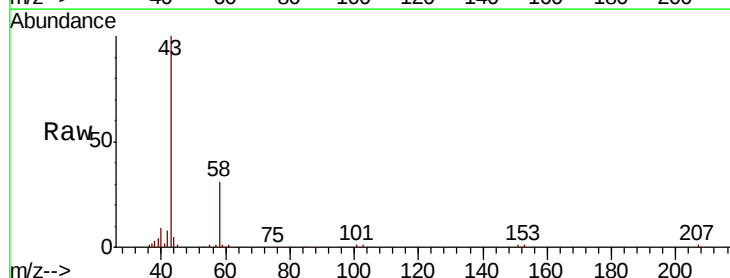
Acq: 21 Feb 2020 15:05

Tgt Ion: 43 Resp: 127817

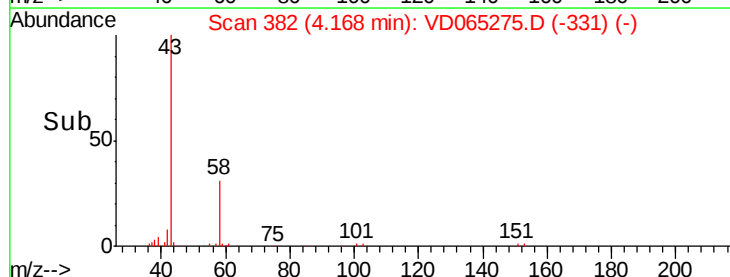
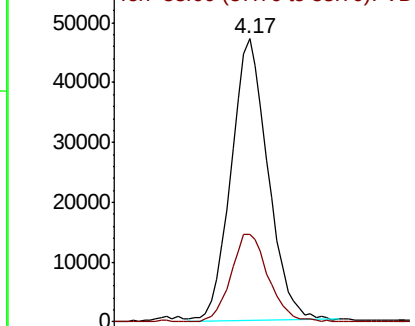
Ion Ratio Lower Upper

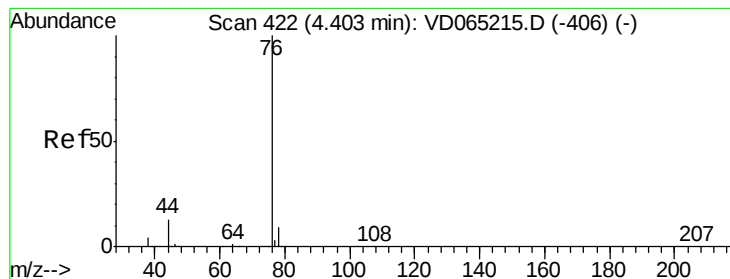
43 100

58 31.1 26.2 39.2



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





#17

Carbon Disulfide

Concen: 46.813 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

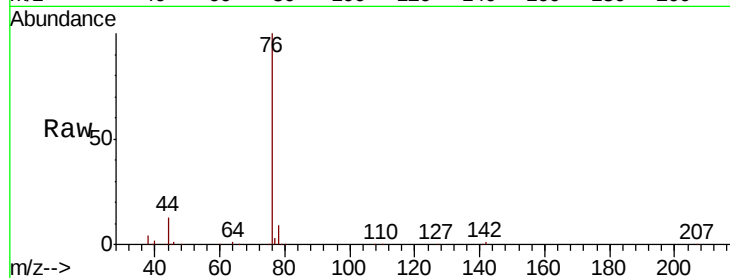
ClientSampleId :

Tot Ion: 76 Resp: 596800

Ion Ratio Lower Upper

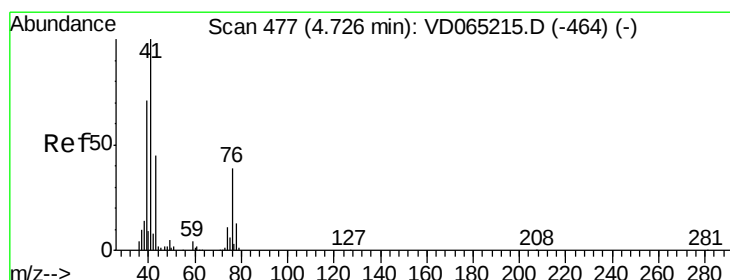
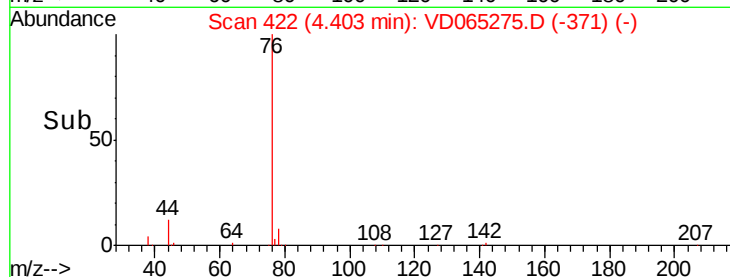
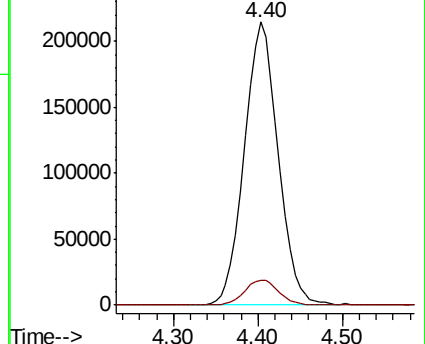
76 100

78 8.9 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 139.824 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065275.D

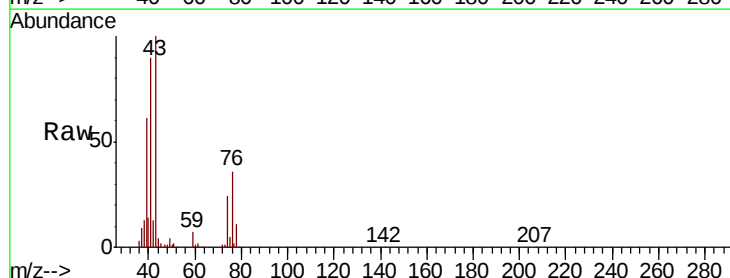
Acq: 21 Feb 2020 15:05

Tgt Ion: 43 Resp: 283636

Ion Ratio Lower Upper

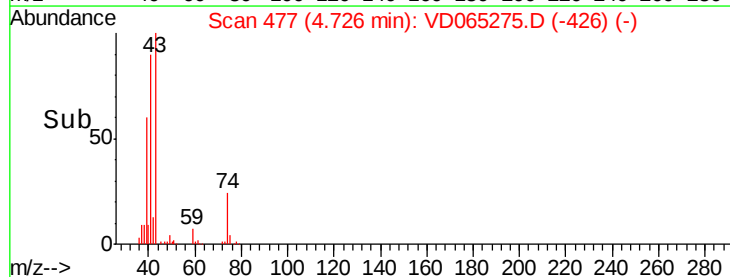
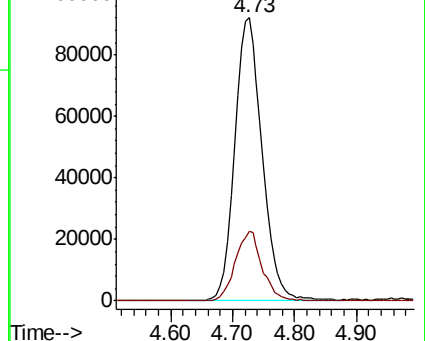
43 100

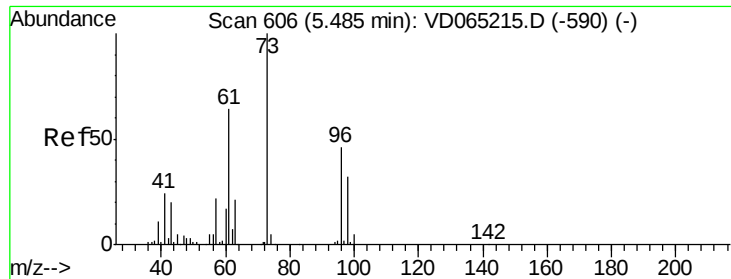
74 23.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

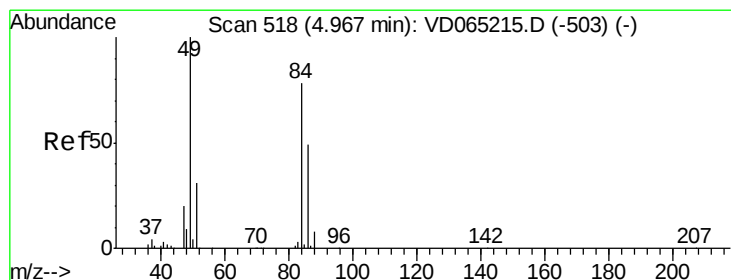
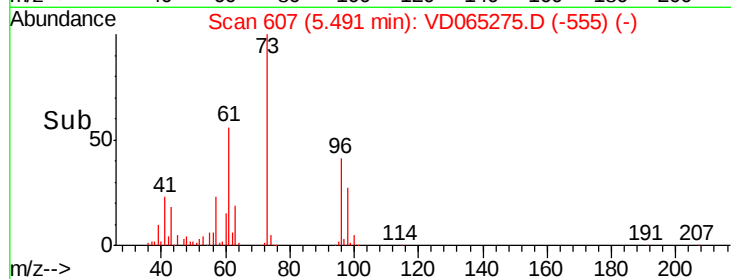
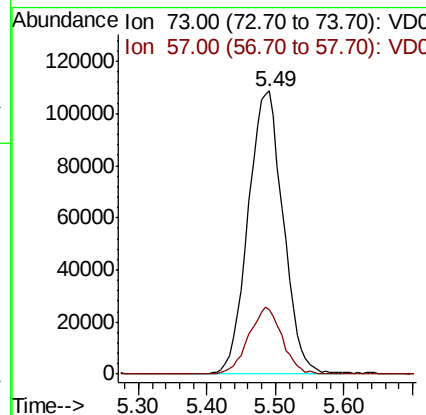
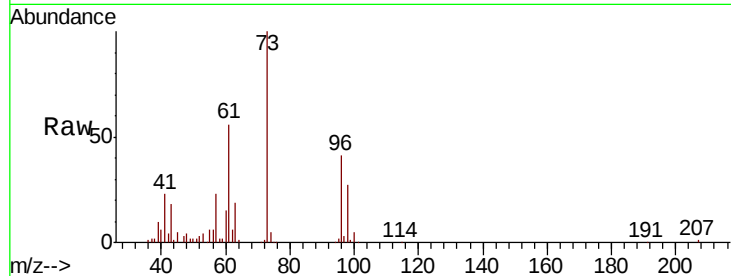




#19
Methyl tert-butyl Ether
Concen: 48.772 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

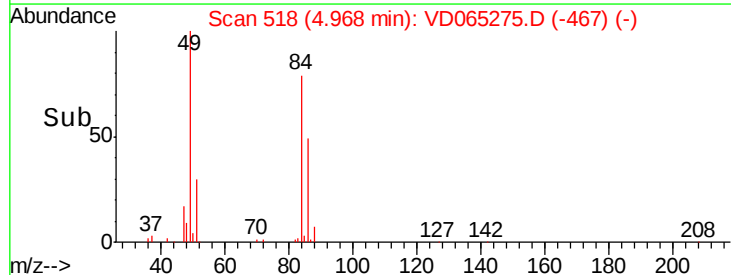
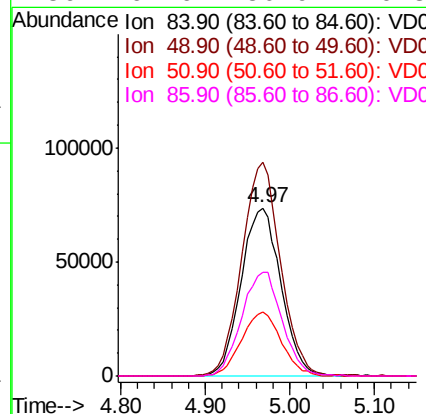
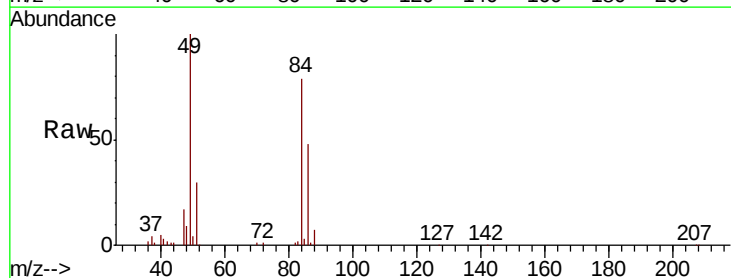
Instrument :
MSVOA_D
ClientSampleId :

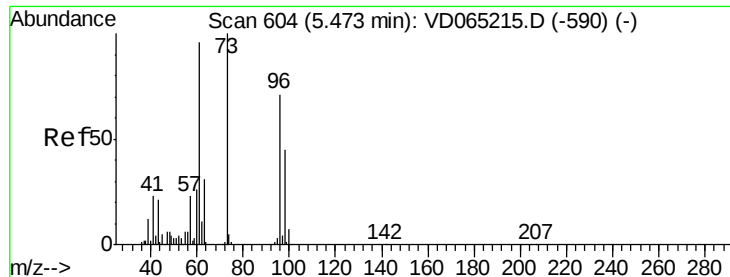
Tot Ion: 73 Resp: 386752
Ion Ratio Lower Upper
73 100
57 22.7 17.3 25.9



#20
Methylene Chloride
Concen: 60.903 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion: 84 Resp: 240504
Ion Ratio Lower Upper
84 100
49 127.1 103.1 154.7
51 38.3 31.7 47.5
86 61.6 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 49.204 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :

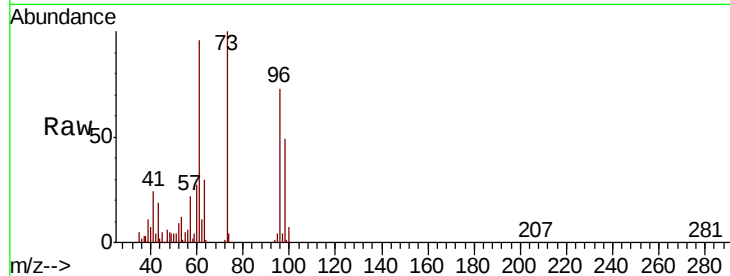
Tot Ion: 96 Resp: 212701

Ion Ratio Lower Upper

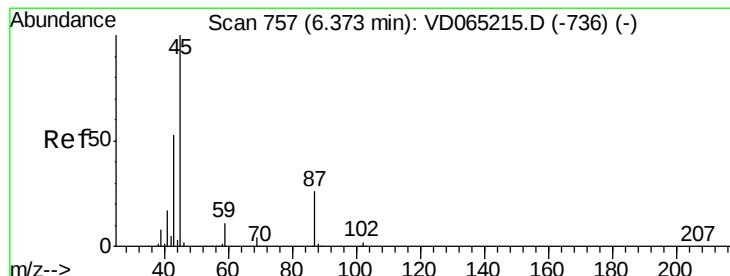
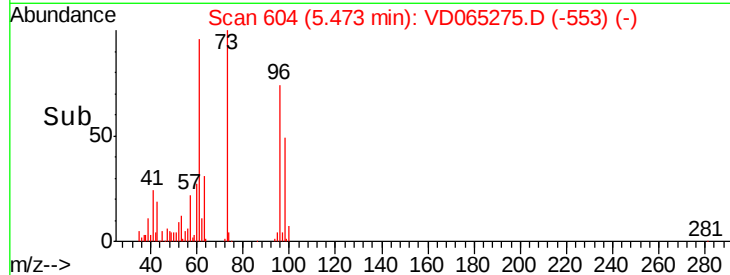
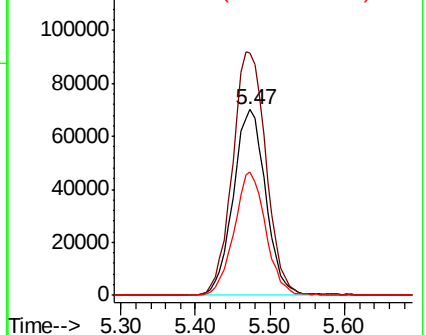
96 100

61 130.4 108.3 162.5

98 66.7 50.7 76.1



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: 51.145 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Tgt Ion: 45 Resp: 608838

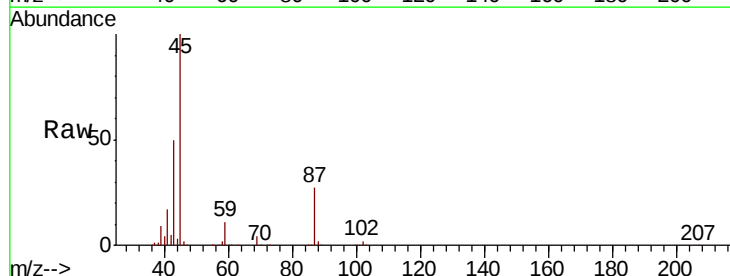
Ion Ratio Lower Upper

45 100

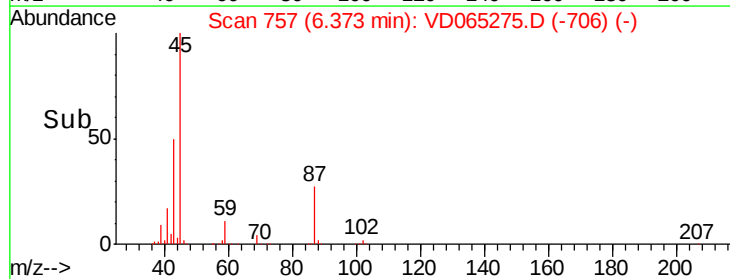
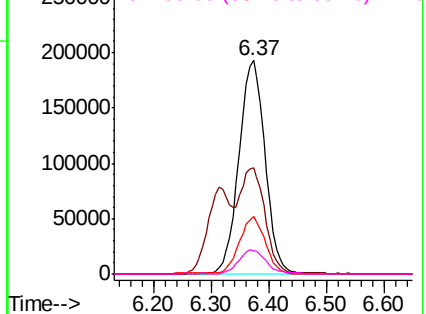
43 49.6 42.6 64.0

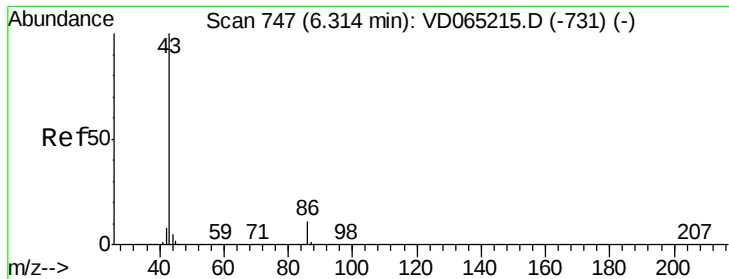
87 27.2 21.2 31.8

59 10.8 8.9 13.3



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: 36.578 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

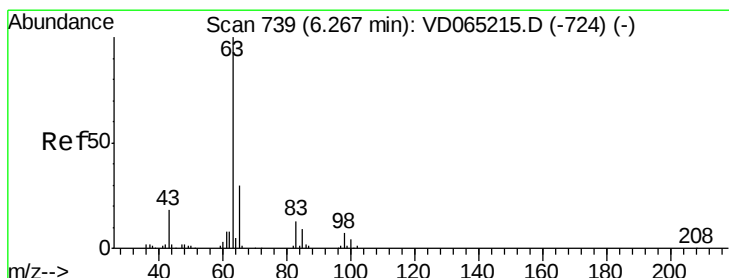
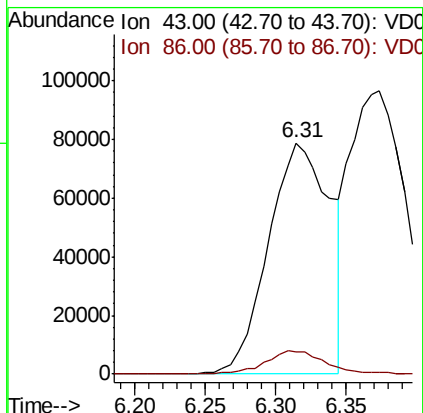
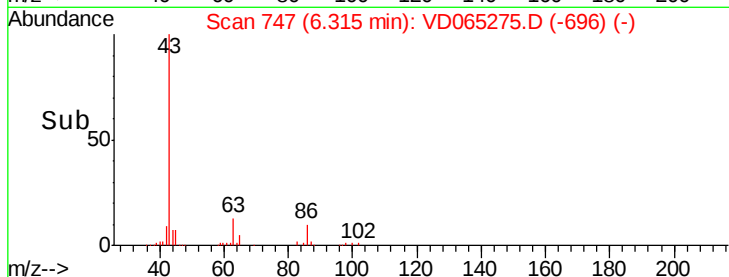
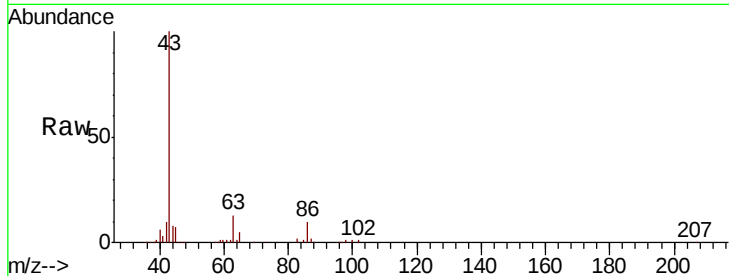
ClientSampled :

Tot Ion: 43 Resp: 240052

Ion Ratio Lower Upper

43 100

86 9.8 8.6 12.8



#24

1,1-Dichloroethane

Concen: 50.114 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

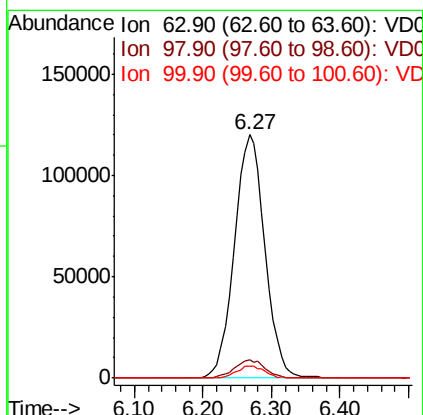
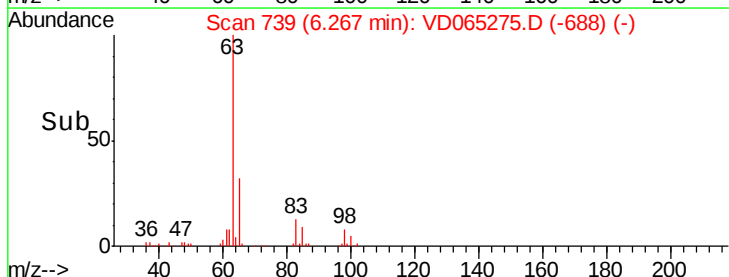
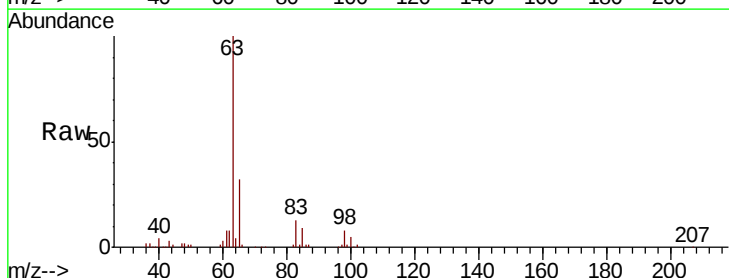
Tgt Ion: 63 Resp: 370029

Ion Ratio Lower Upper

63 100

98 7.6 3.4 10.1

100 4.8 2.3 6.8





#25

2-Butanone

Concen: 183.884 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

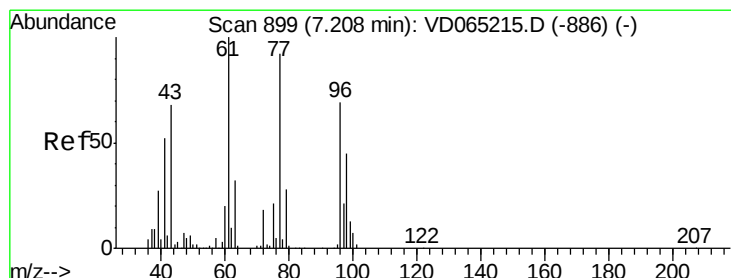
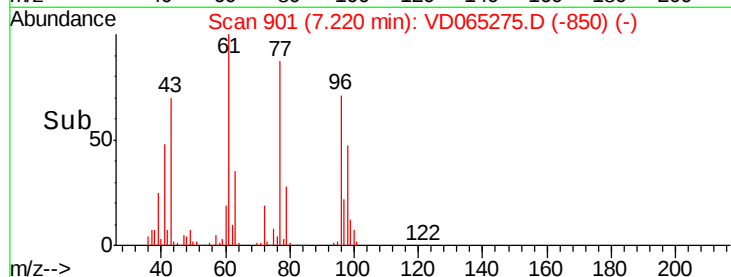
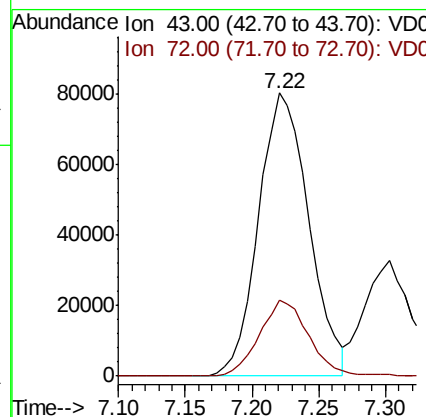
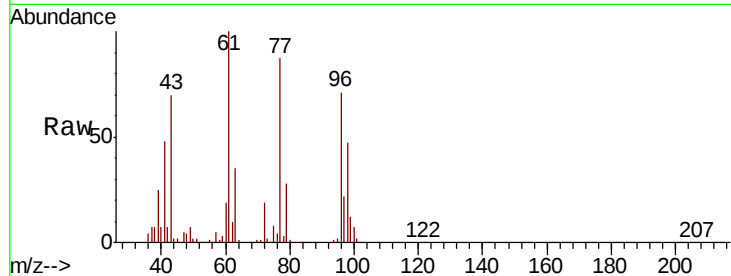
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 209838

Ion Ratio Lower Upper

43 100

72 26.7 20.9 31.3



#26

2,2-Dichloropropane

Concen: 48.831 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065275.D

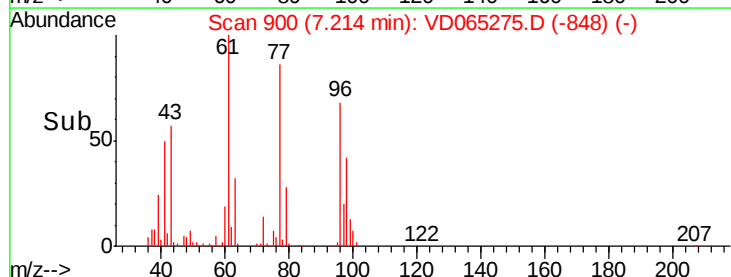
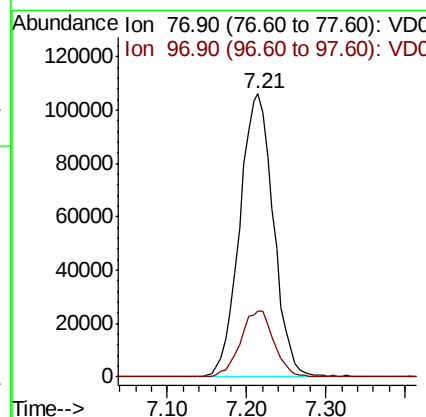
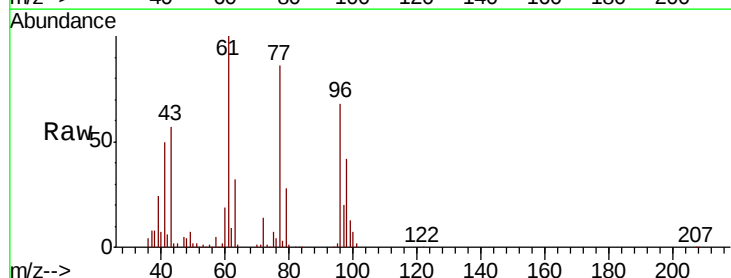
Acq: 21 Feb 2020 15:05

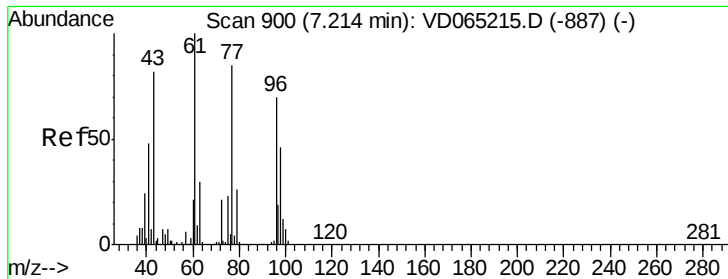
Tgt Ion: 77 Resp: 312831

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.1



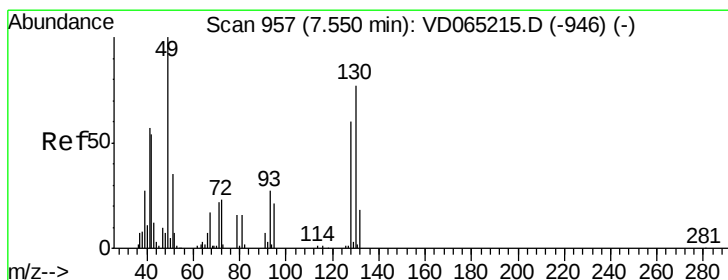
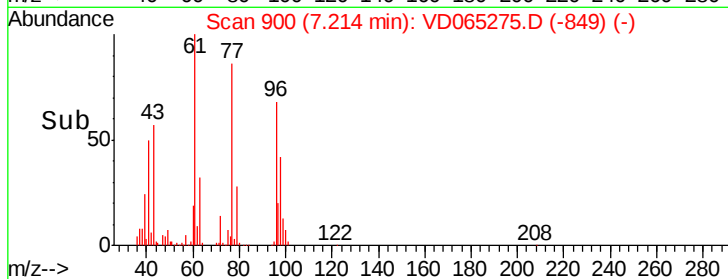
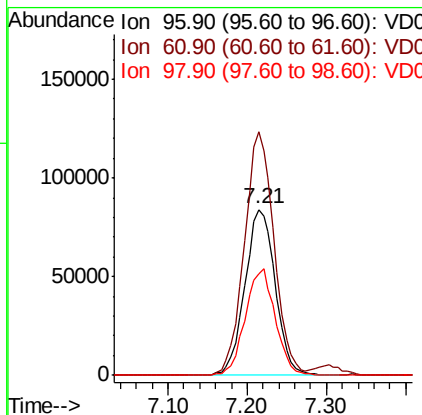
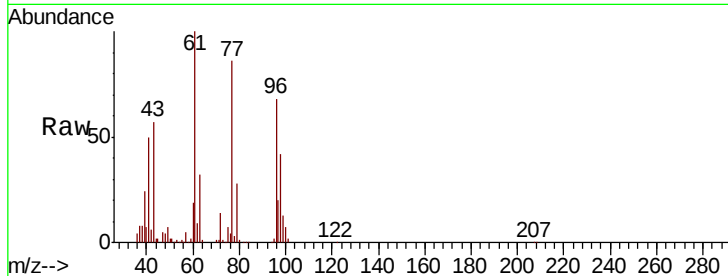


#27

cis-1,2-Dichloroethene
 Concen: 48.884 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065275.D
 Acq: 21 Feb 2020 15:05

Instrument :
 MSVOA_D
 ClientSampleId :

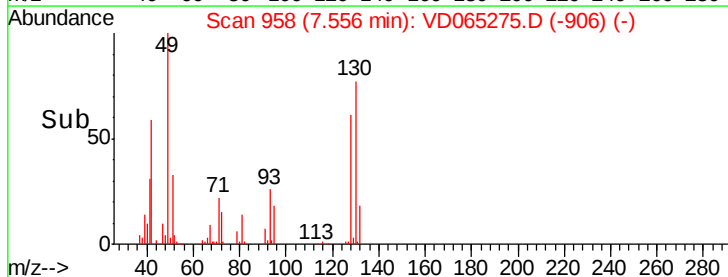
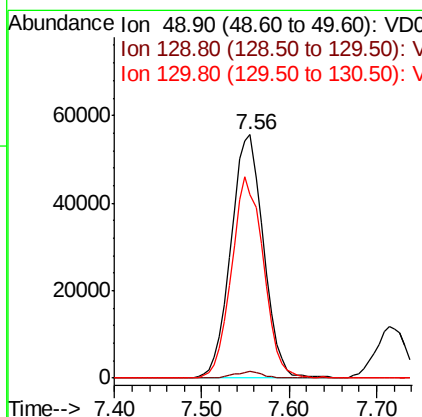
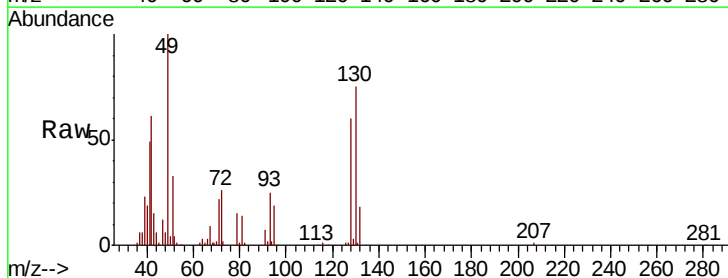
Tot Ion	96	Resp	223838
Ion	Ratio	Lower	Upper
96	100		
61	143.5	0.0	286.0
98	63.5	0.0	127.8

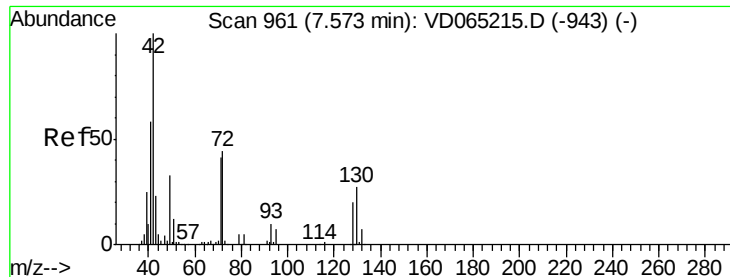


#28

Bromochloromethane
 Concen: 51.234 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD065275.D
 Acq: 21 Feb 2020 15:05

Tgt Ion	49	Resp	140347
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	80.8	64.7	97.1





#29

Tetrahydrofuran

Concen: 219.378 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

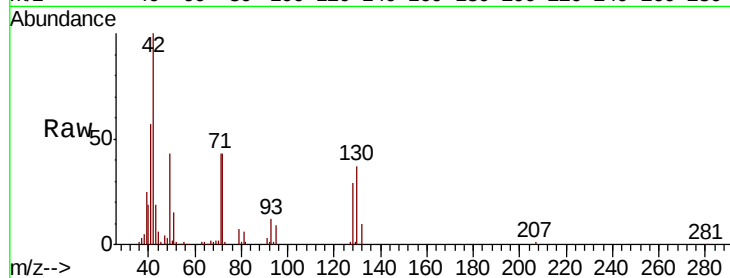
Tot Ion: 42 Resp: 146681

Ion Ratio Lower Upper

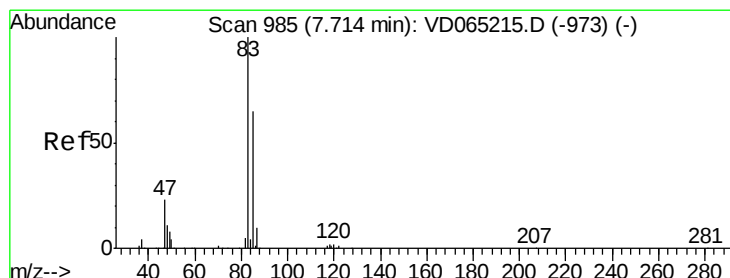
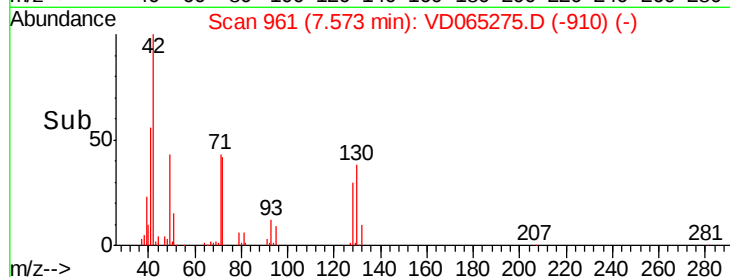
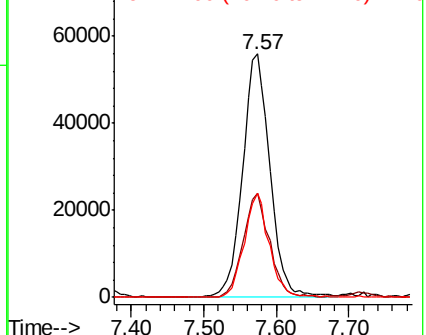
42 100

72 41.0 33.7 50.5

71 39.0 31.4 47.2



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: 48.642 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065275.D

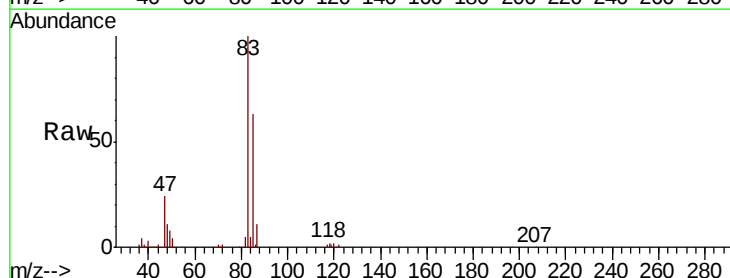
Acq: 21 Feb 2020 15:05

Tgt Ion: 83 Resp: 361843

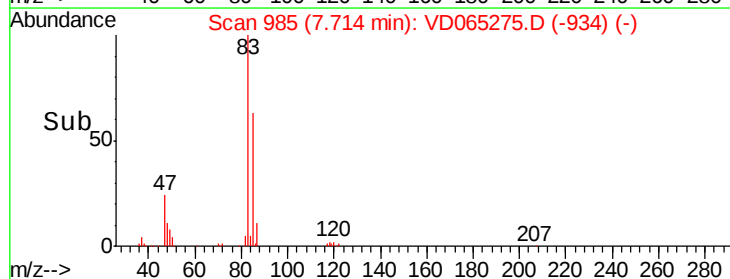
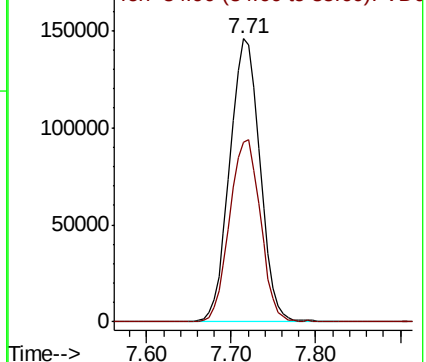
Ion Ratio Lower Upper

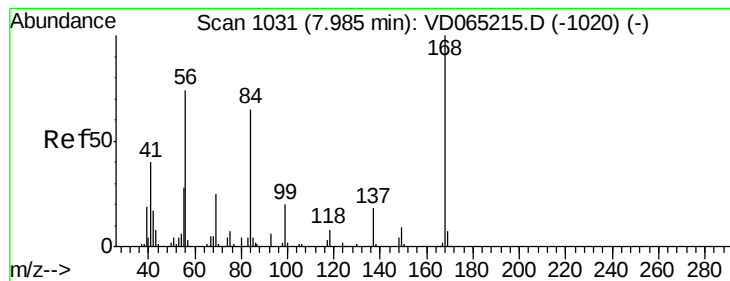
83 100

85 63.4 52.3 78.5



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





#31

Cyclohexane

Concen: 38.403 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

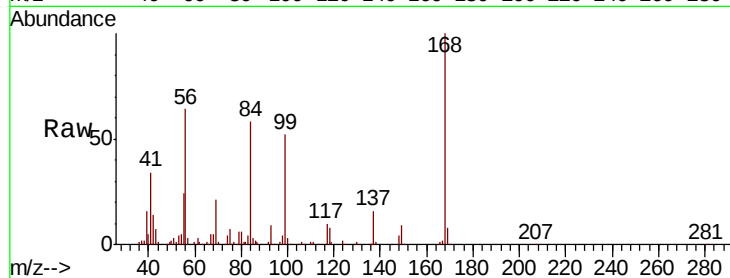
Tot Ion: 56 Resp: 278607

Ion Ratio Lower Upper

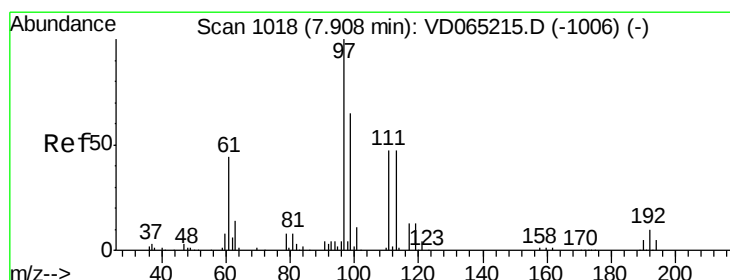
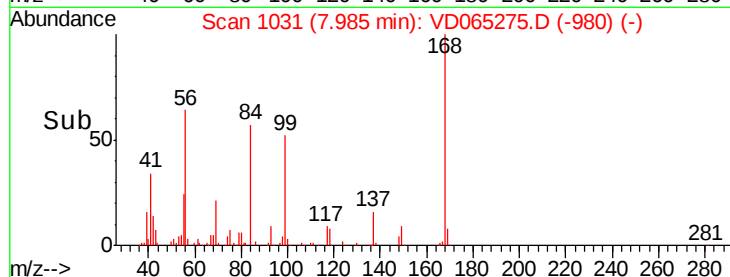
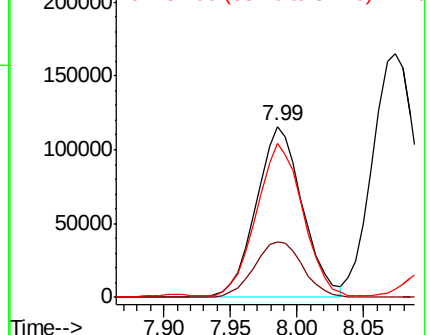
56 100

69 32.6 27.4 41.0

84 89.2 71.1 106.7



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: 48.238 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

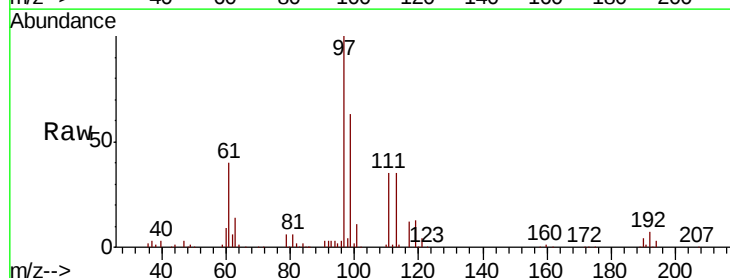
Tgt Ion: 97 Resp: 321056

Ion Ratio Lower Upper

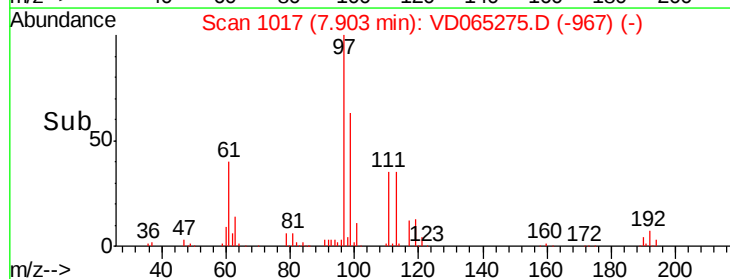
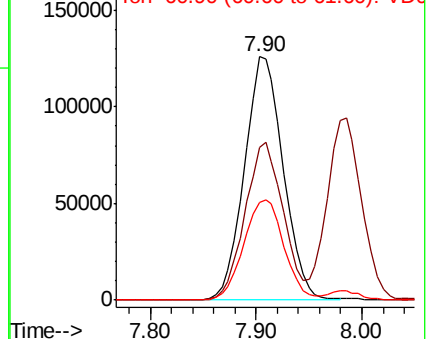
97 100

99 63.5 51.4 77.2

61 43.0 34.8 52.2



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: 53.127 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

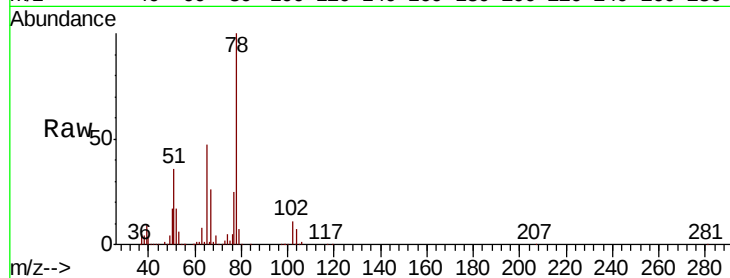
ClientSampled :

Tot Ion: 65 Resp: 196019

Ion Ratio Lower Upper

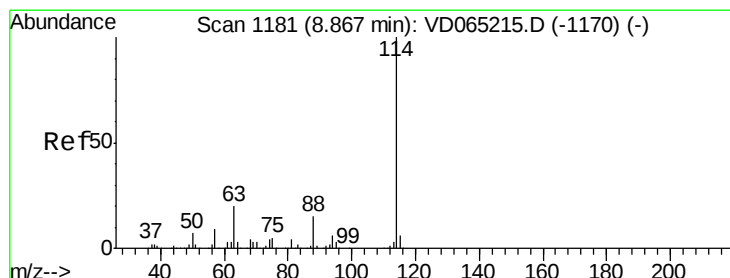
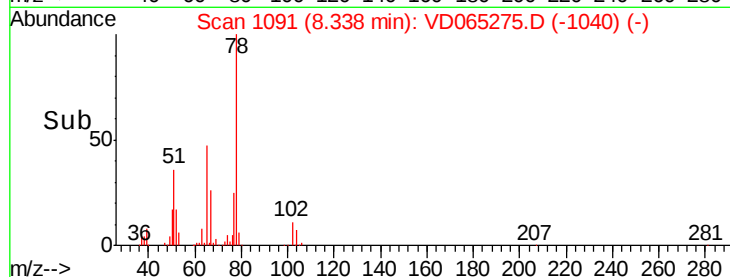
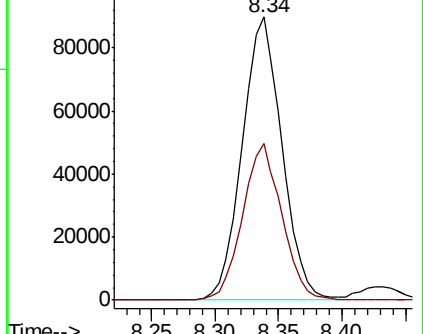
65 100

67 54.4 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

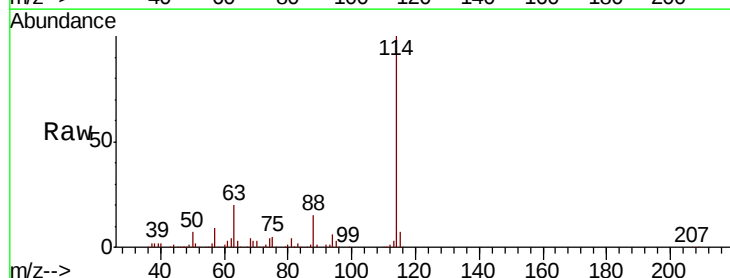
Tgt Ion: 114 Resp: 594722

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.4

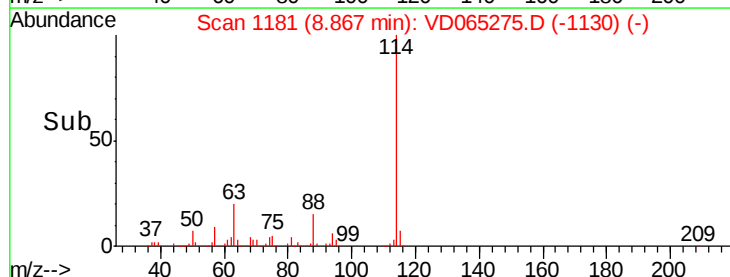
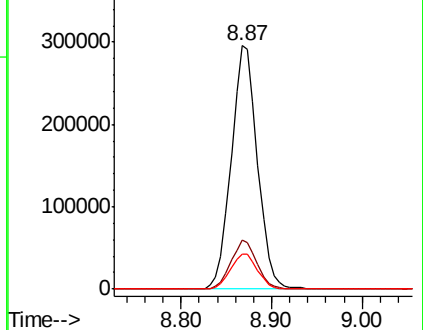
88 14.6 0.0 30.4

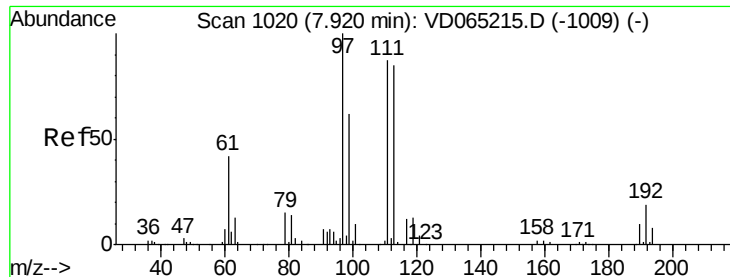


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

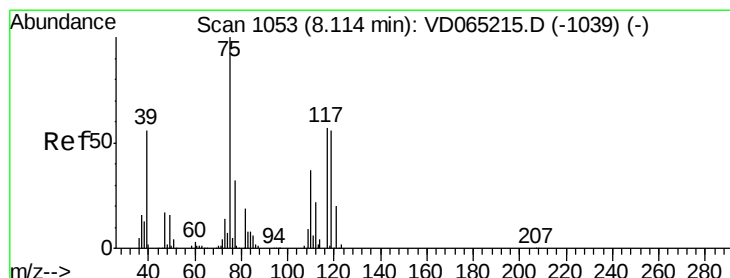
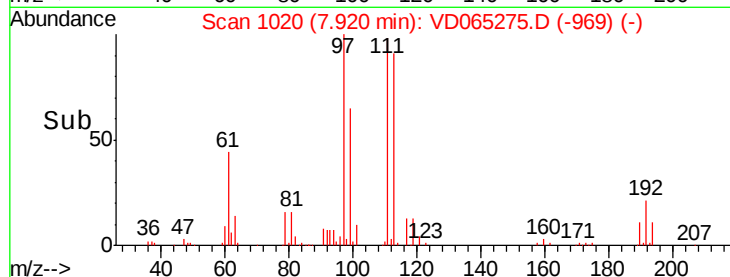
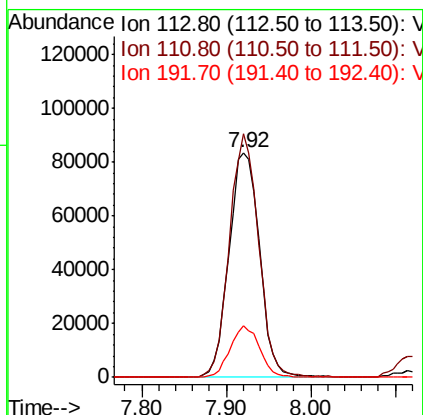
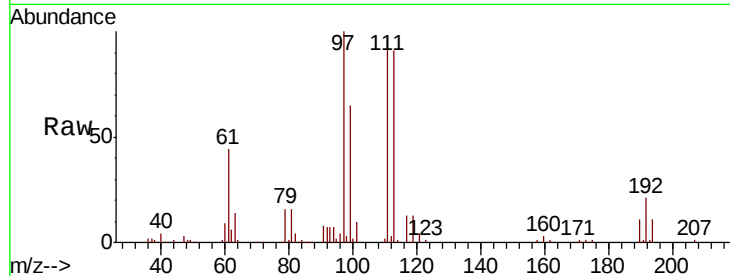




#35
Dibromofluoromethane
Concen: 57.497 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

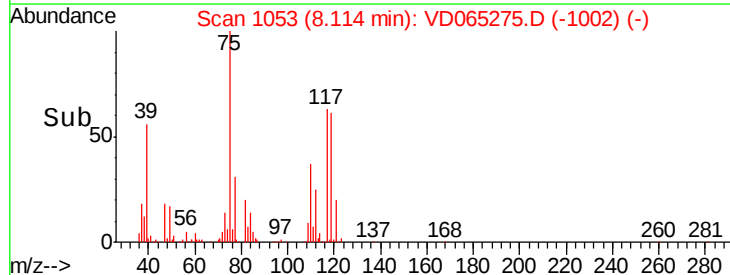
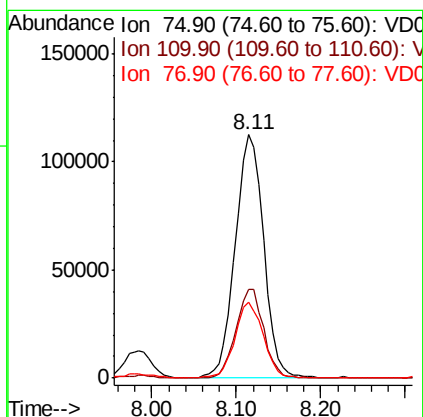
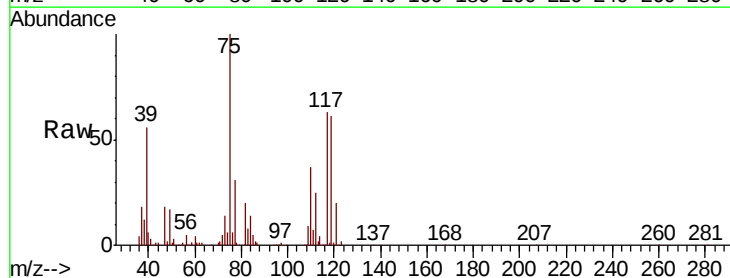
Instrument :
MSVOA_D
ClientSampleId :

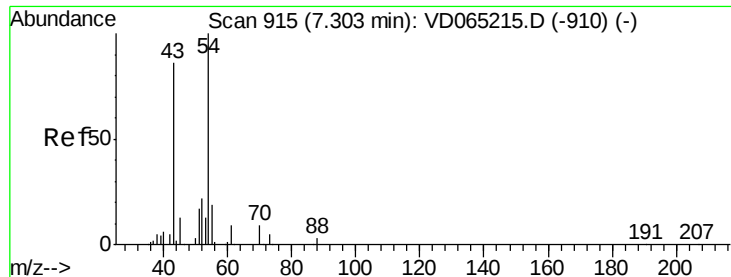
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.9	124.3
192	22.0	17.3	25.9



#36
1,1-Dichloropropene
Concen: 45.025 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	17.9	53.7
77	31.1	25.1	37.7

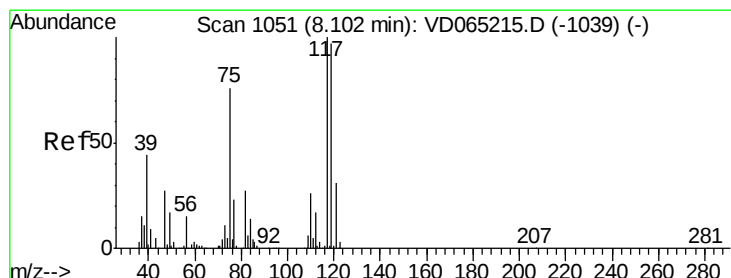
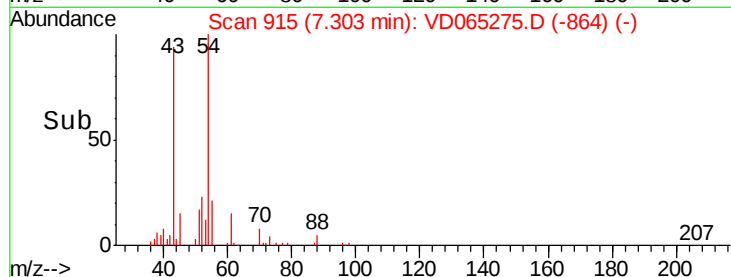
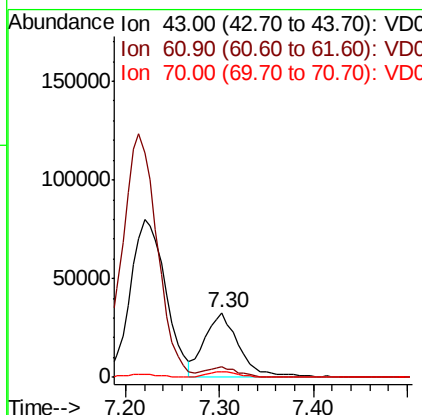
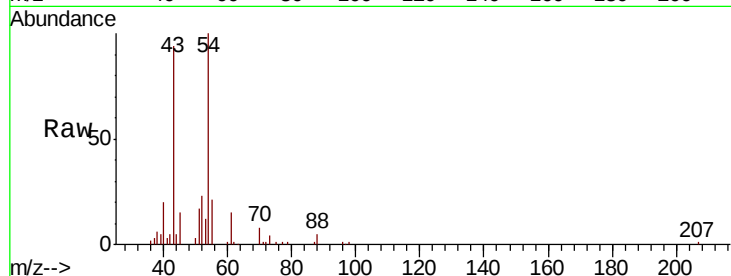




#37
Ethyl Acetate
Concen: 34.211 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

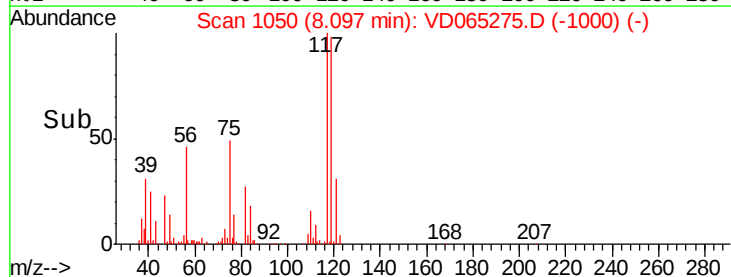
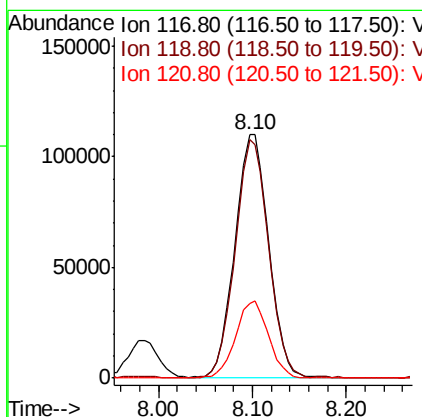
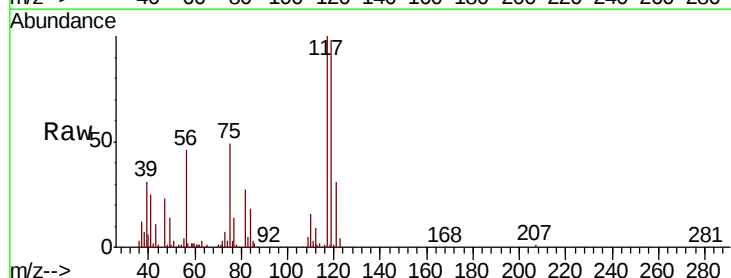
Instrument :
MSVOA_D
ClientSampled :

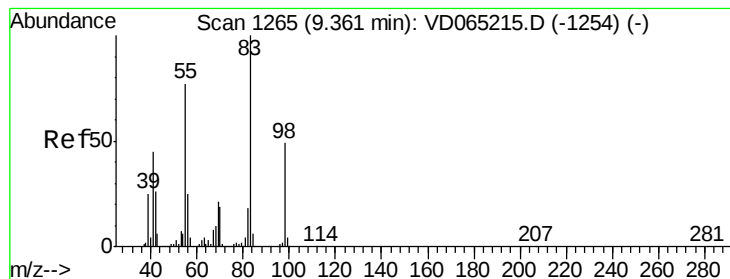
Tot Ion: 43 Resp: 82760
Ion Ratio Lower Upper
43 100
61 14.4 11.2 16.8
70 8.9 8.2 12.2



#38
Carbon Tetrachloride
Concen: 46.515 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion: 117 Resp: 274007
Ion Ratio Lower Upper
117 100
119 97.9 77.6 116.4
121 30.7 24.8 37.2





#39

Methvlcvclohexane

Concen: 30.246 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

ClientSampled :

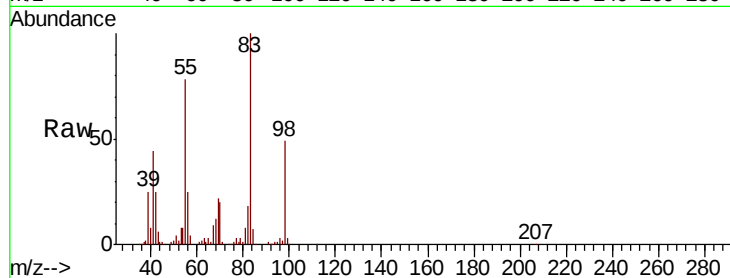
Tot Ion: 83 Resp: 205765

Ion Ratio Lower Upper

83 100

55 78.3 61.8 92.6

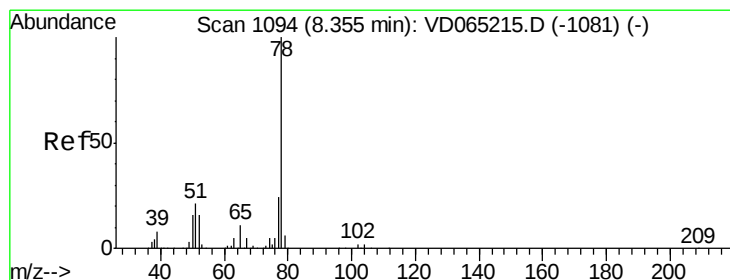
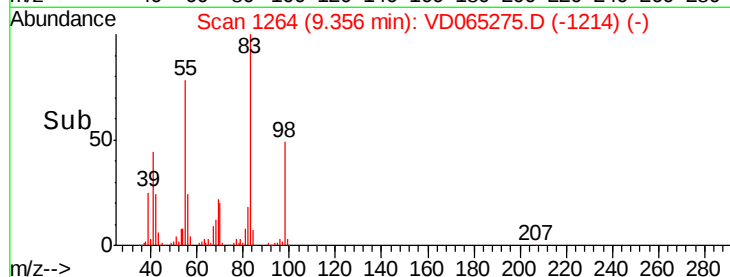
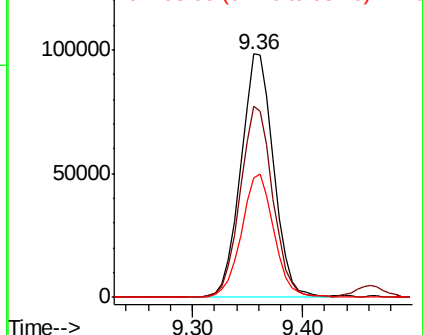
98 48.9 39.4 59.0



Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC



#40

Benzene

Concen: 49.851 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD065275.D

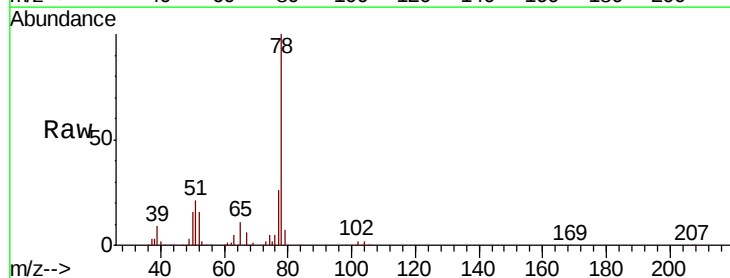
Acq: 21 Feb 2020 15:05

Tgt Ion: 78 Resp: 814239

Ion Ratio Lower Upper

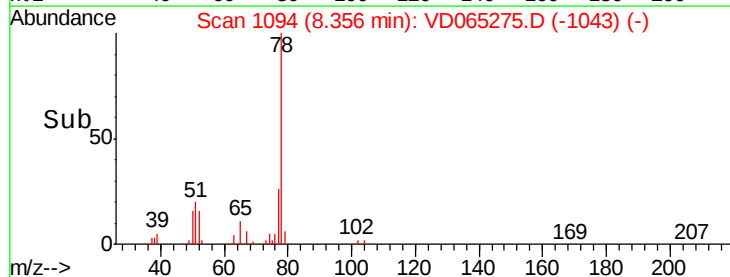
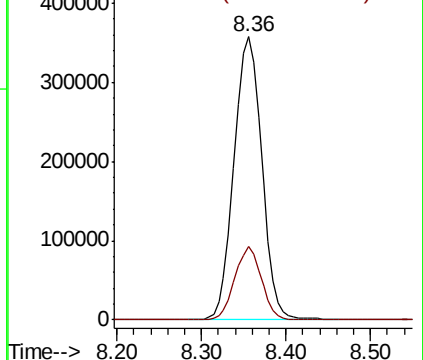
78 100

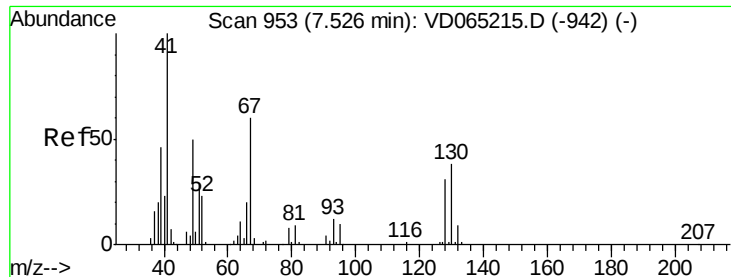
77 26.1 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC

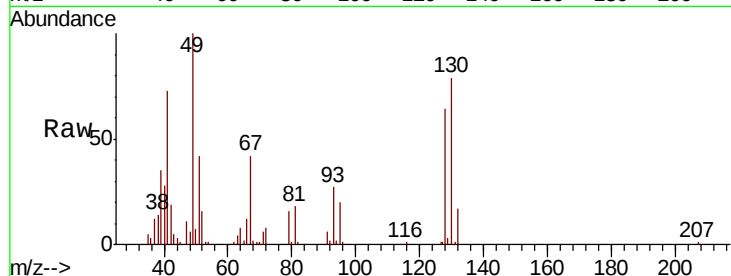




#41
Methacrylonitrile
Concen: 42.111 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	58819
Ion	Ratio	Lower	Upper
41	100		
39	59.2	48.1	72.1
67	74.6	58.9	88.3
52	31.4	24.2	36.2



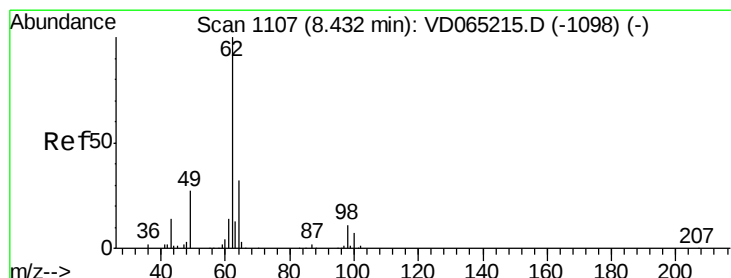
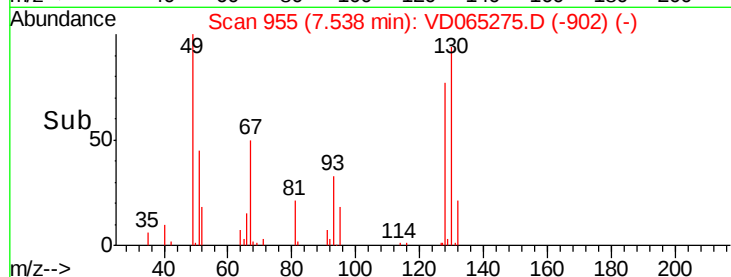
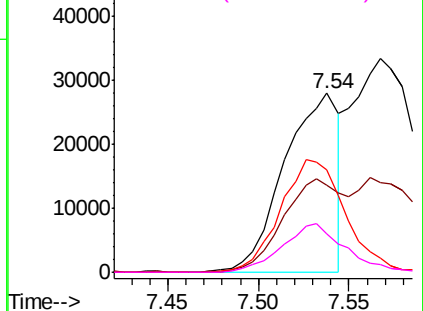
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

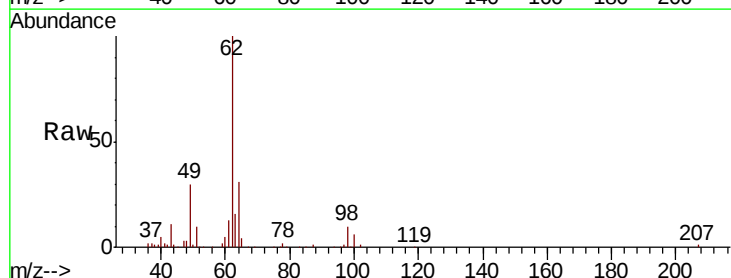
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42
1,2-Dichloroethane
Concen: 48.222 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

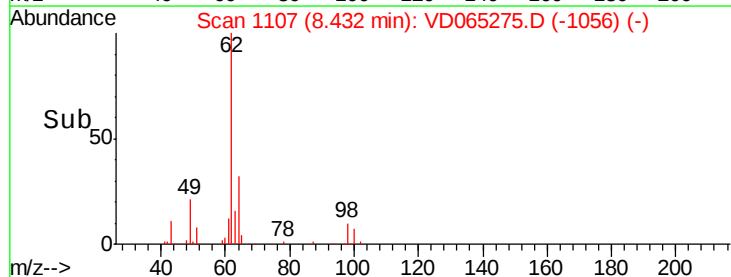
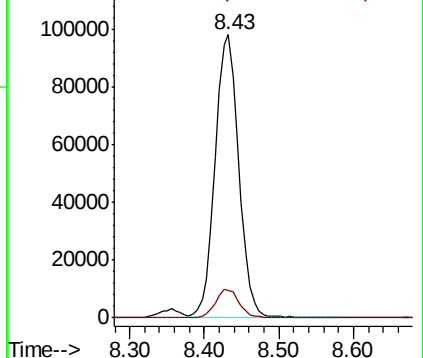
Tgt Ion:	62	Resp:	216533
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6

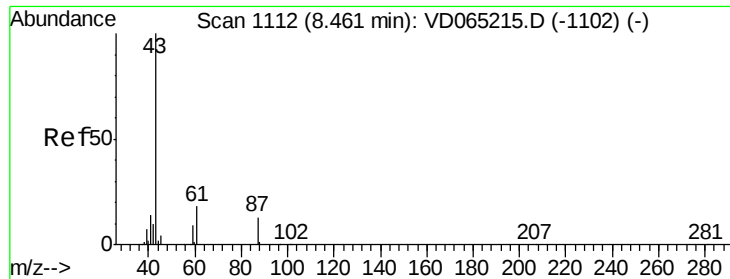


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

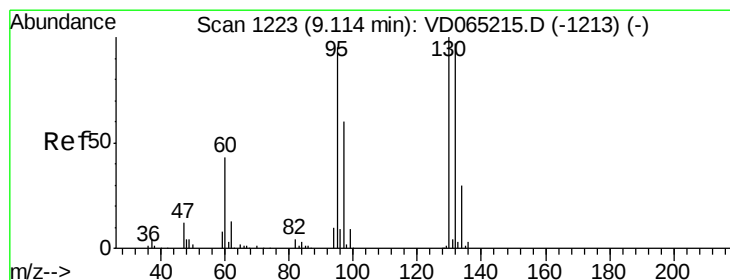
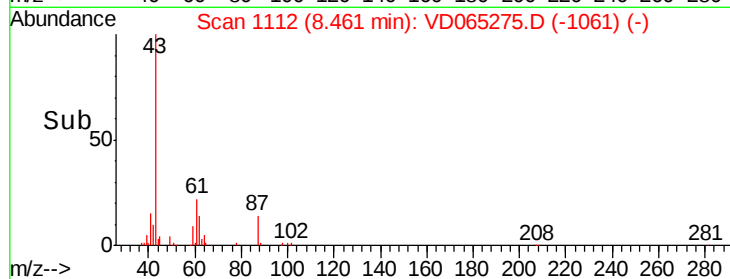
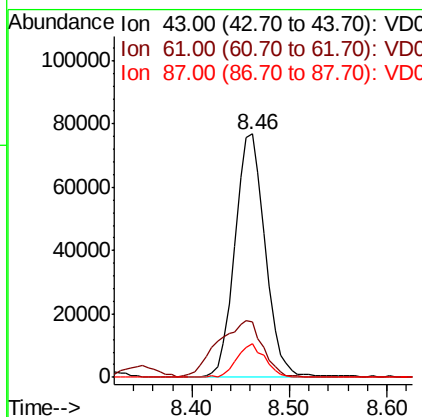
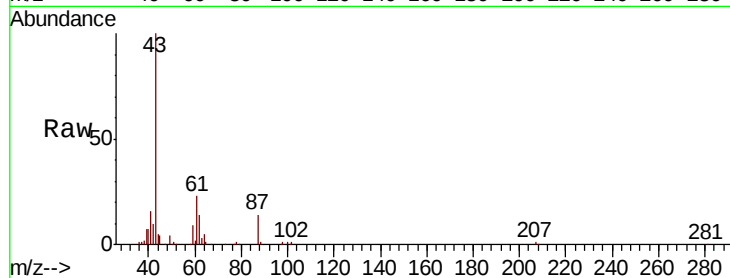




#43
Isopropyl Acetate
Concen: 37.683 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

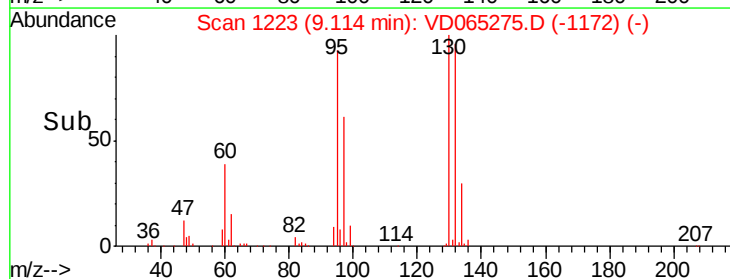
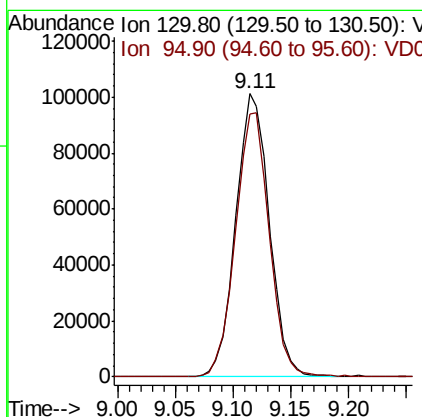
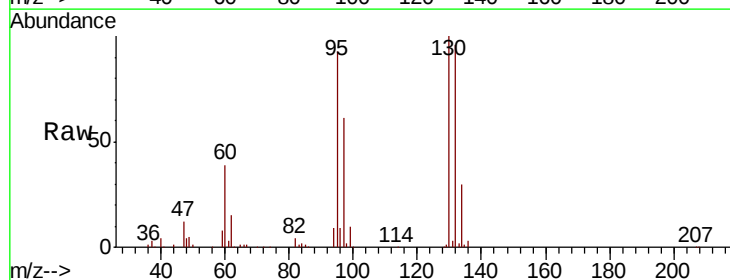
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 165770
Ion Ratio Lower Upper
43 100
61 34.6 24.6 36.8
87 12.7 10.6 16.0



#44
Trichloroethene
Concen: 45.209 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion: 130 Resp: 204688
Ion Ratio Lower Upper
130 100
95 92.9 0.0 190.6





#45

1,2-Dichloropropane

Concen: 49.985 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

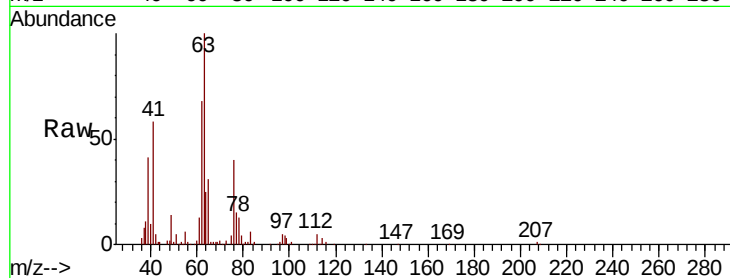
ClientSampled :

Tot Ion: 63 Resp: 203013

Ion Ratio Lower Upper

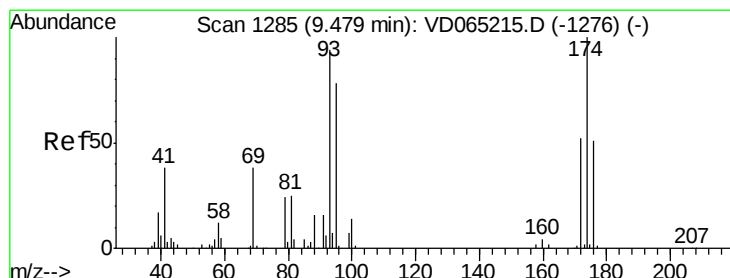
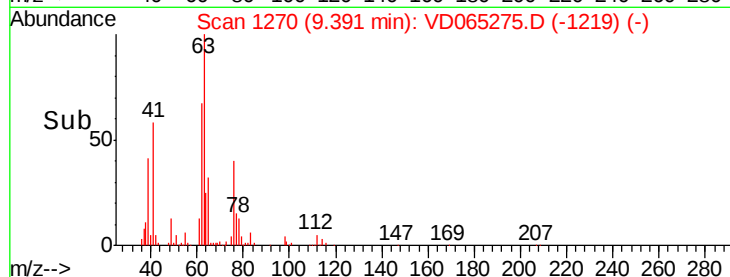
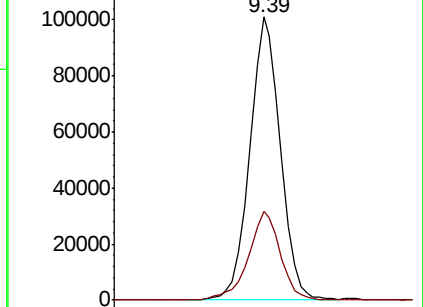
63 100

65 31.5 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 46.901 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

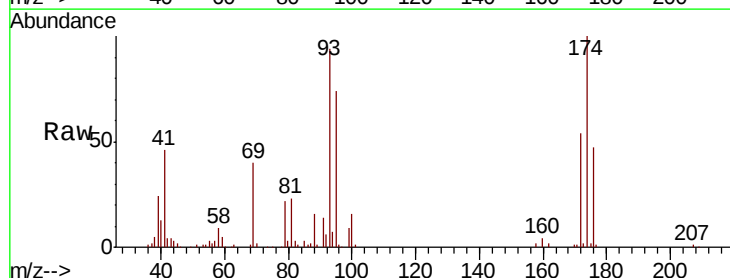
Tgt Ion: 93 Resp: 98008

Ion Ratio Lower Upper

93 100

95 82.0 65.8 98.6

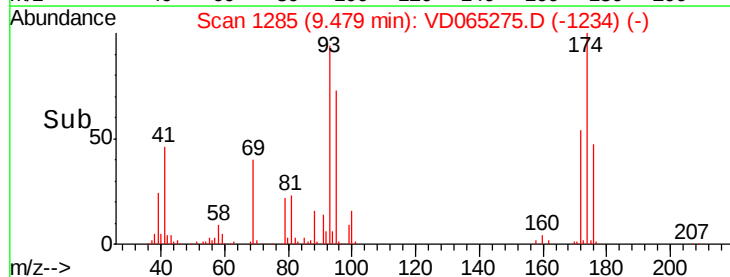
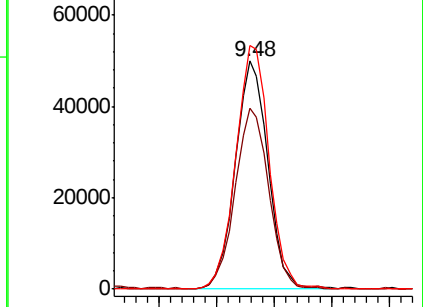
174 108.8 86.8 130.2

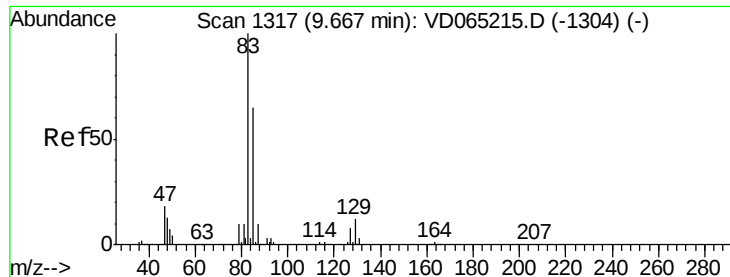


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 47.714 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

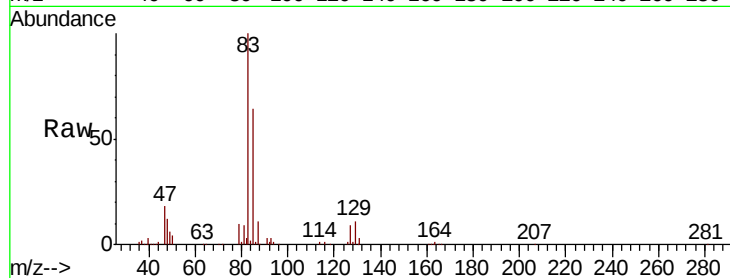
Tot Ion: 83 Resp: 262767

Ion Ratio Lower Upper

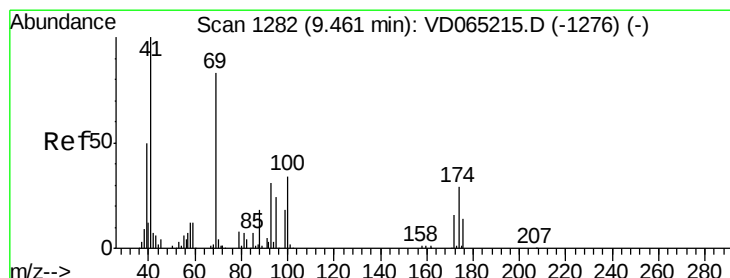
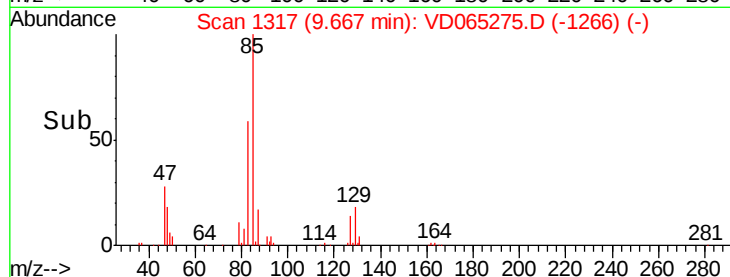
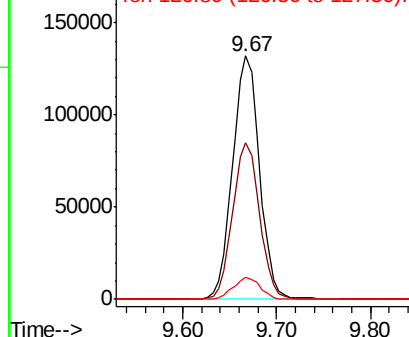
83 100

85 64.4 52.0 78.0

127 9.1 6.7 10.1



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: 59.461 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

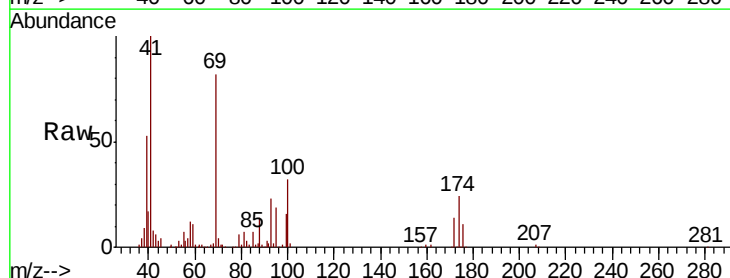
Tgt Ion: 41 Resp: 120906

Ion Ratio Lower Upper

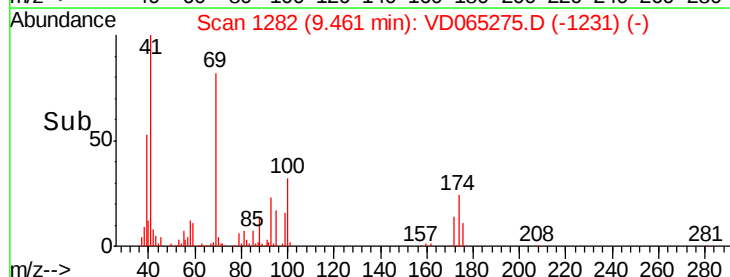
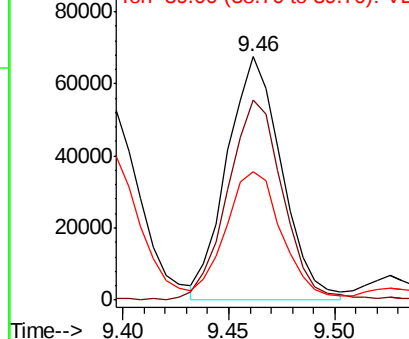
41 100

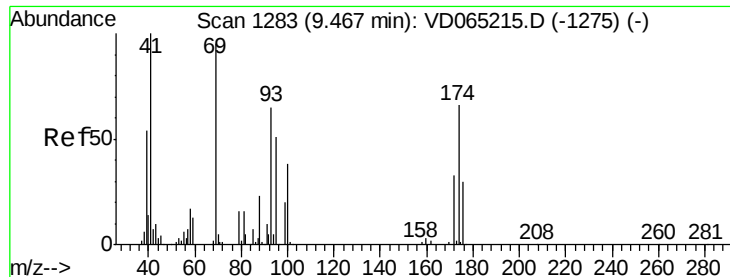
69 83.3 68.2 102.2

39 53.7 42.0 63.0



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

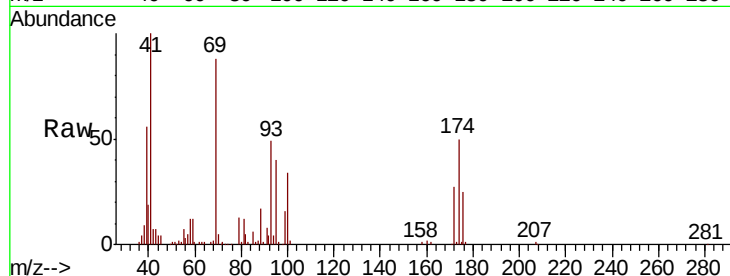




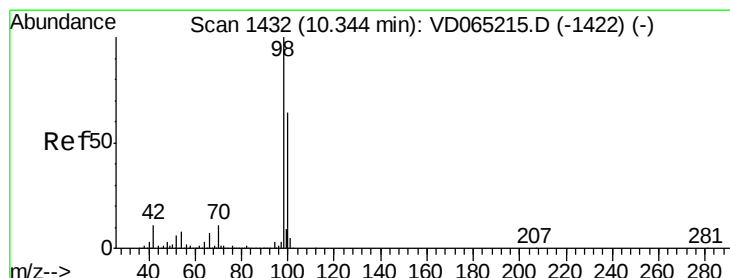
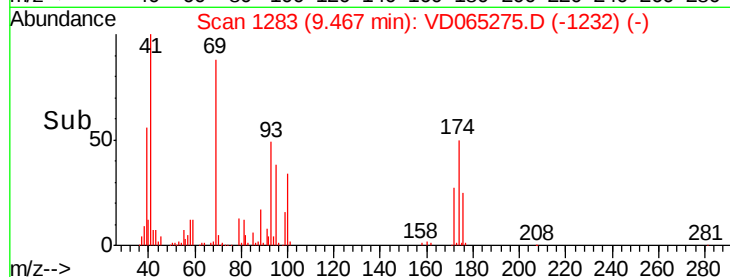
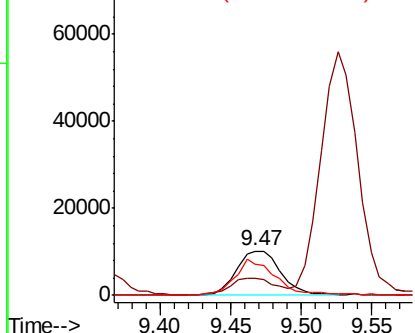
#49
1,4-Dioxane
Concen: 912.360 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 22361
Ion Ratio Lower Upper
88 100
43 36.8 28.5 42.7
58 75.5 58.6 87.8

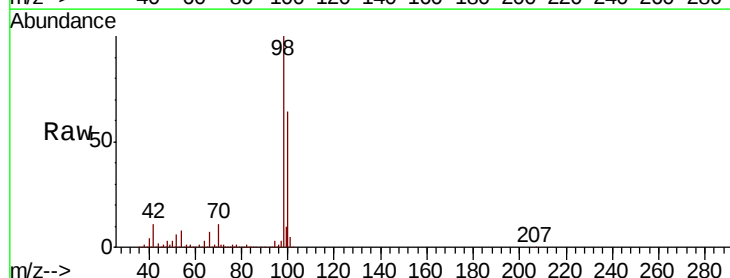


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

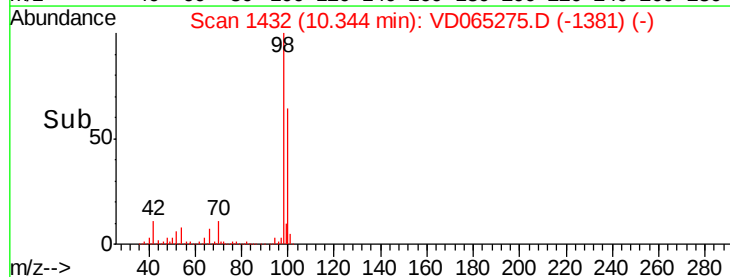
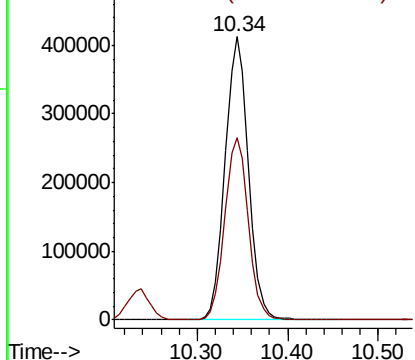


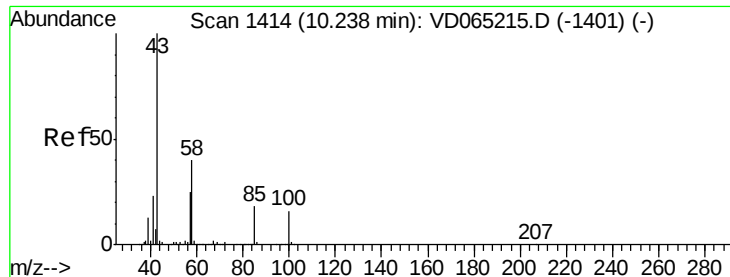
#50
Toluene-d8
Concen: 53.132 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion: 98 Resp: 736555
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0



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

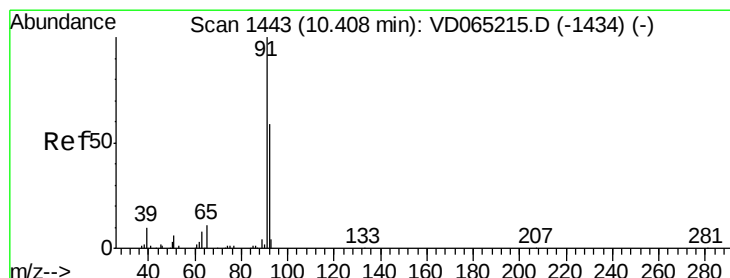
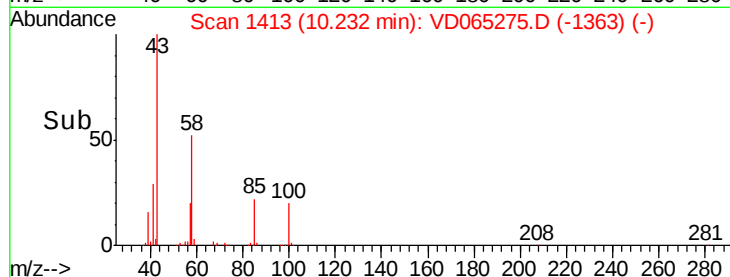
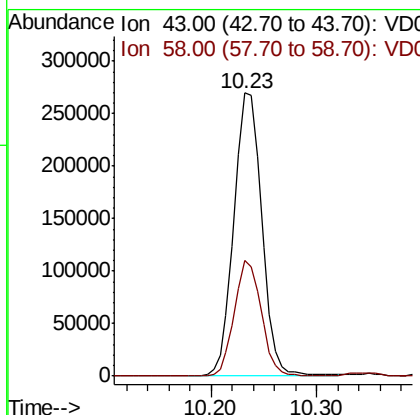
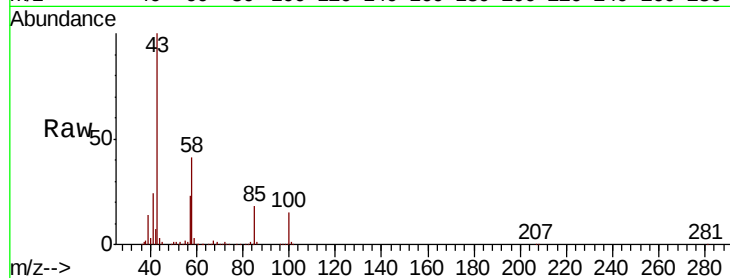




#51
4-Methyl-2-Pentanone
Concen: 221.542 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

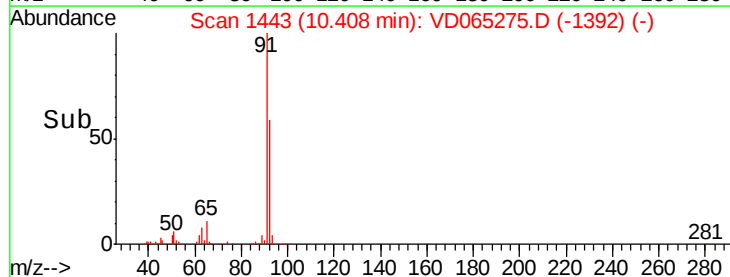
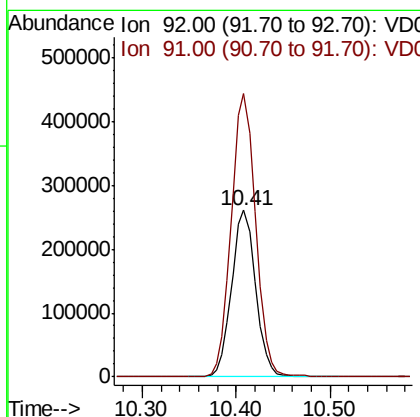
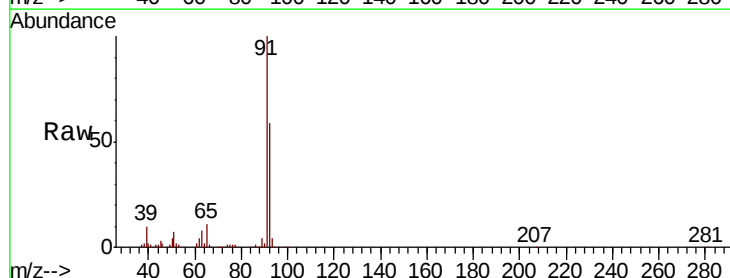
Instrument :
MSVOA_D
ClientSampleId :

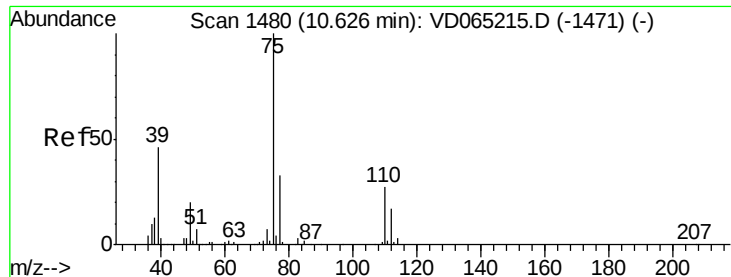
Tot Ion: 43 Resp: 494999
Ion Ratio Lower Upper
43 100
58 39.2 31.1 46.7



#52
Toluene
Concen: 46.112 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion: 92 Resp: 466200
Ion Ratio Lower Upper
92 100
91 171.9 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 45.031 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

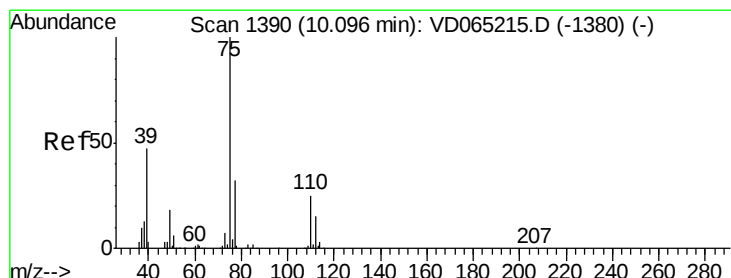
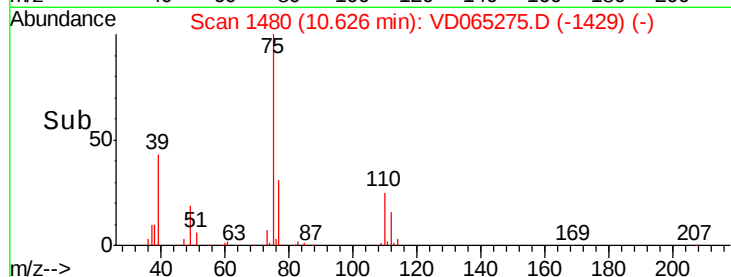
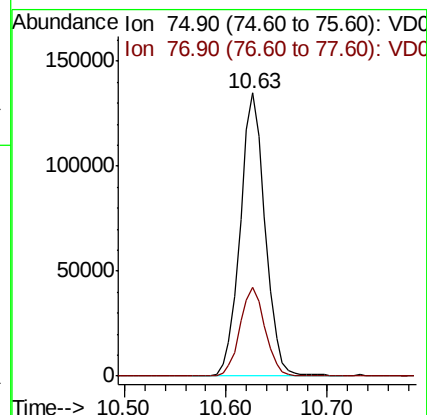
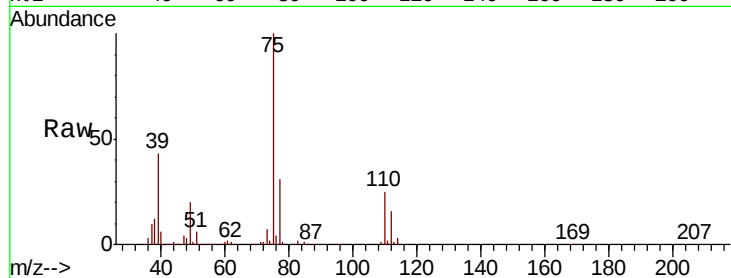
ClientSampled :

Tot Ion: 75 Resp: 229866

Ion Ratio Lower Upper

75 100

77 31.3 26.6 40.0



#54

cis-1,3-Dichloropropene

Concen: 46.927 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

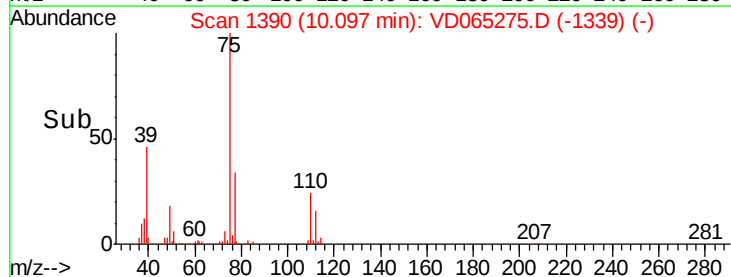
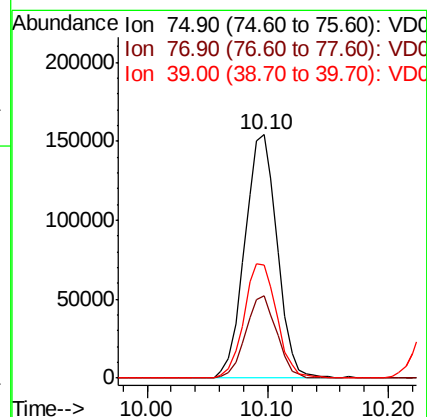
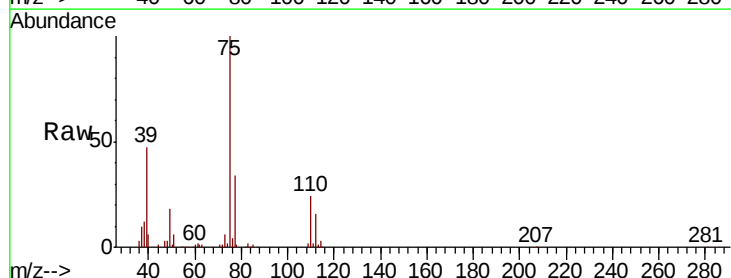
Tgt Ion: 75 Resp: 289258

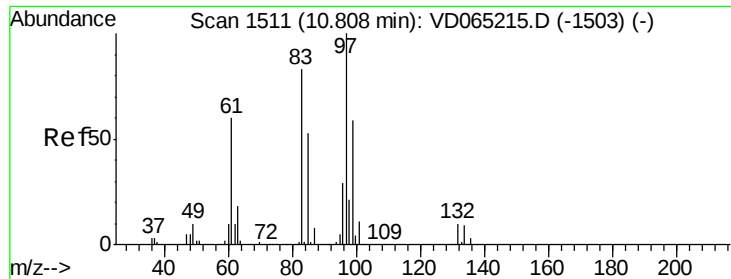
Ion Ratio Lower Upper

75 100

77 33.9 25.8 38.8

39 46.5 37.3 55.9

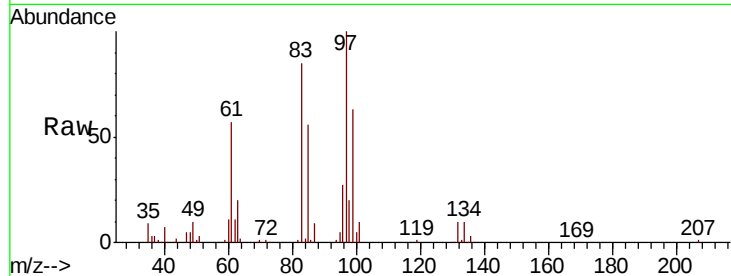




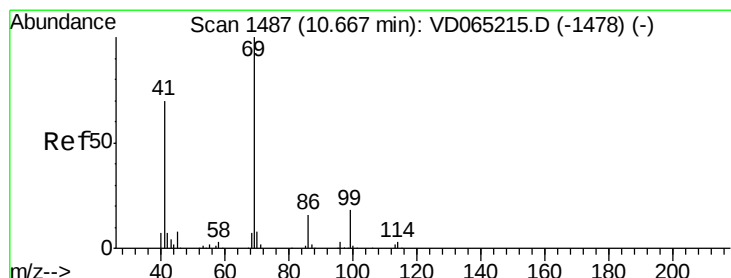
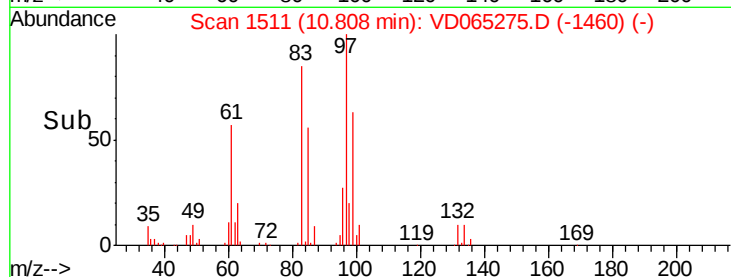
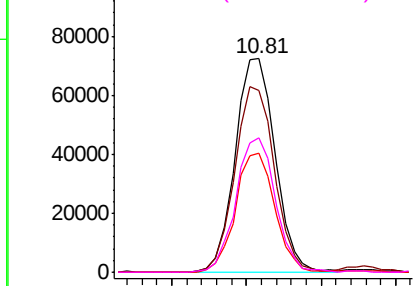
#55
 1,1,2-Trichloroethane
 Concen: 45.979 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065275.D
 Acq: 21 Feb 2020 15:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	135236
Ion	Ratio	Lower	Upper
97	100		
83	85.1	66.7	100.1
85	56.0	42.4	63.6
99	62.7	47.5	71.3

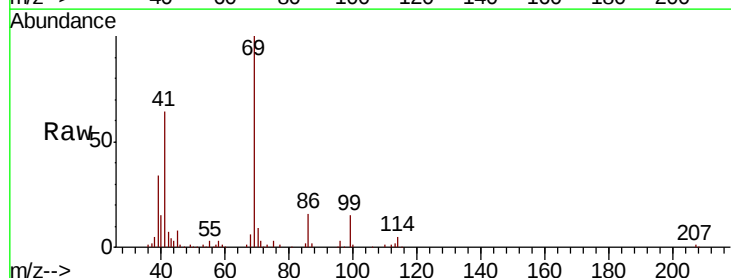


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

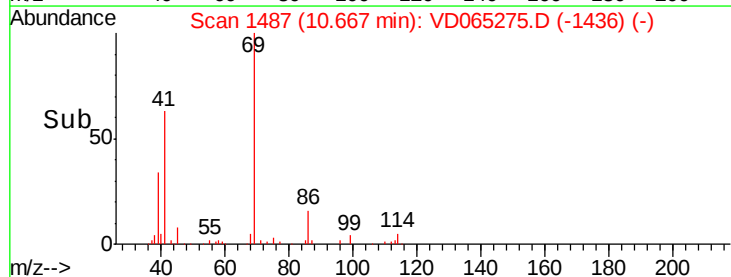
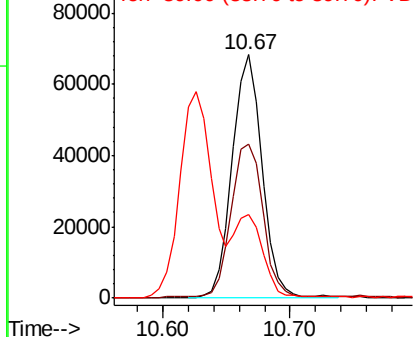


#56
 Ethyl methacrylate
 Concen: 32.886 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065275.D
 Acq: 21 Feb 2020 15:05

Tgt Ion:	69	Resp:	111643
Ion	Ratio	Lower	Upper
69	100		
41	69.5	54.6	81.8
39	32.7	26.5	39.7



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





#57

1,3-Dichloropropane

Concen: 46.384 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

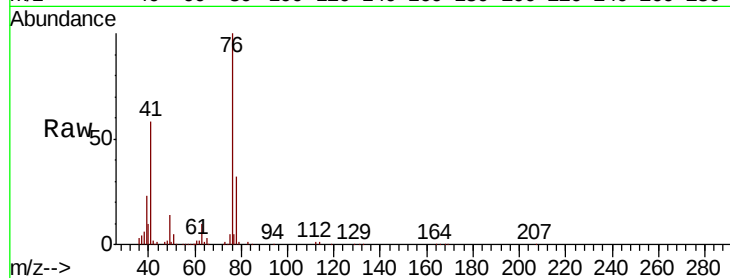
ClientSampleId :

Tot Ion: 76 Resp: 232196

Ion Ratio Lower Upper

76 100

78 32.5 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

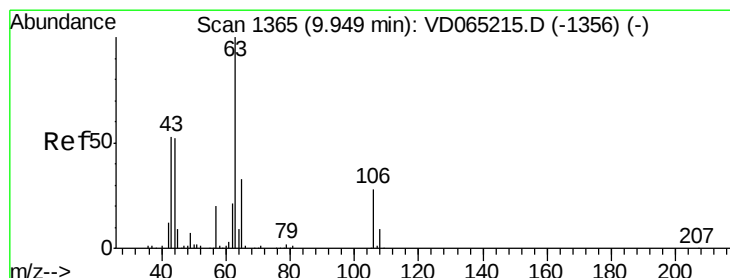
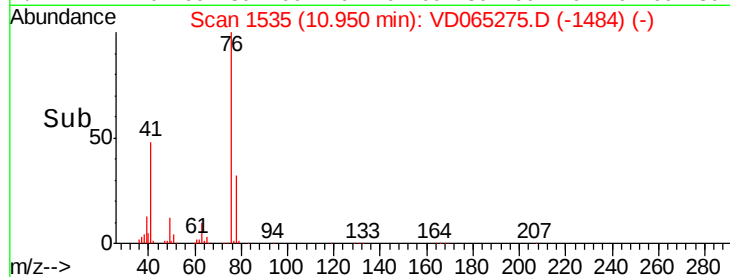
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 213.753 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065275.D

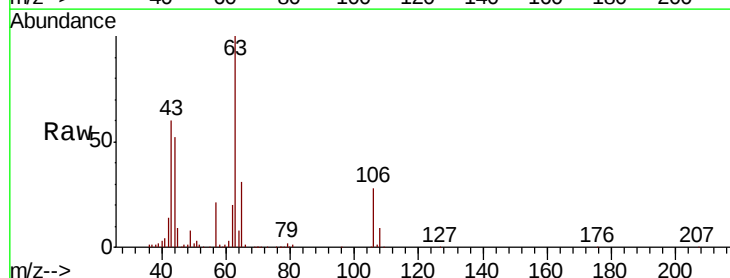
Acq: 21 Feb 2020 15:05

Tgt Ion: 63 Resp: 228780

Ion Ratio Lower Upper

63 100

106 28.6 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.94

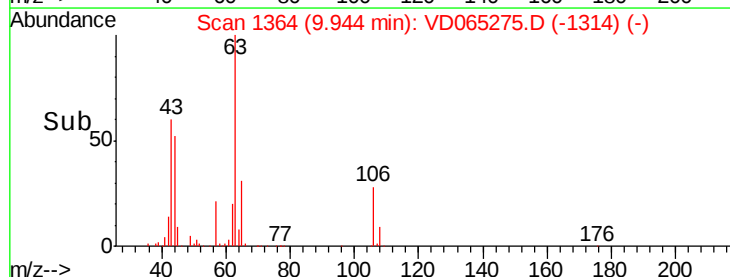
150000

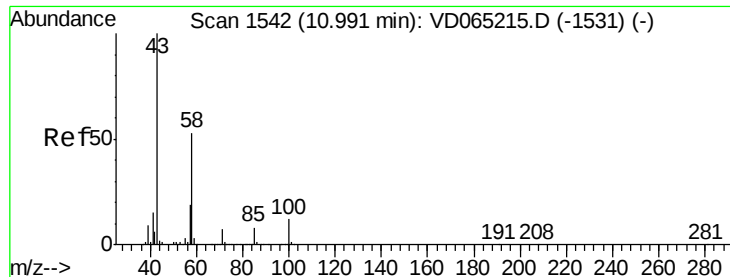
100000

50000

0

Time-->

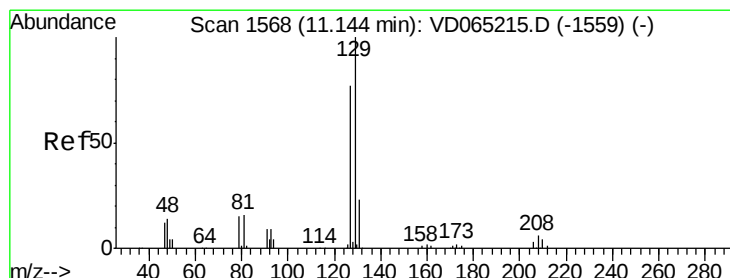
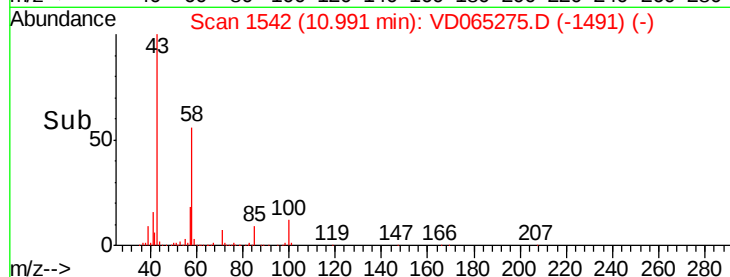
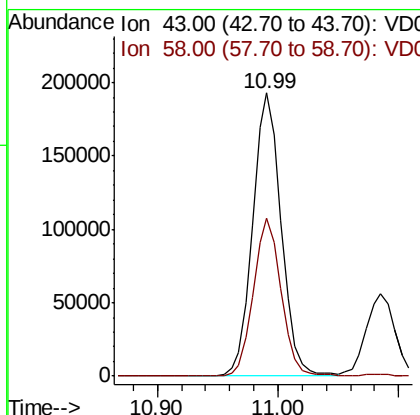
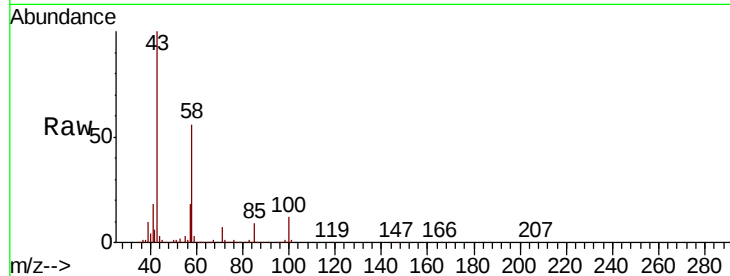




#59
2-Hexanone
Concen: 198.908 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

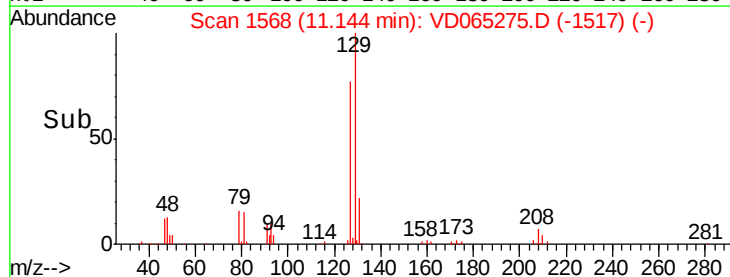
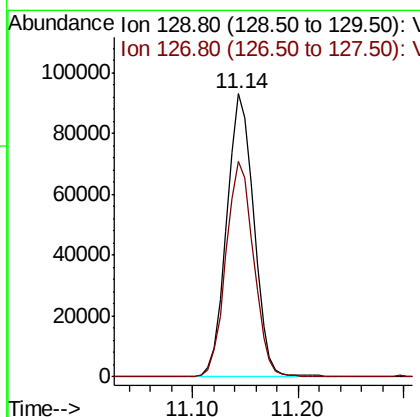
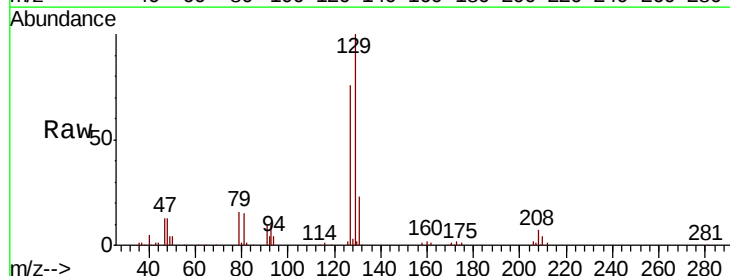
Instrument :
MSVOA_D
ClientSampled :

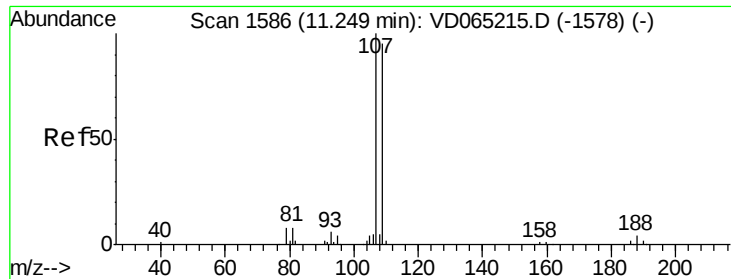
Tot Ion: 43 Resp: 318139
Ion Ratio Lower Upper
43 100
58 54.3 26.3 78.8



#60
Dibromochloromethane
Concen: 43.967 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion:129 Resp: 165516
Ion Ratio Lower Upper
129 100
127 77.8 38.7 116.1

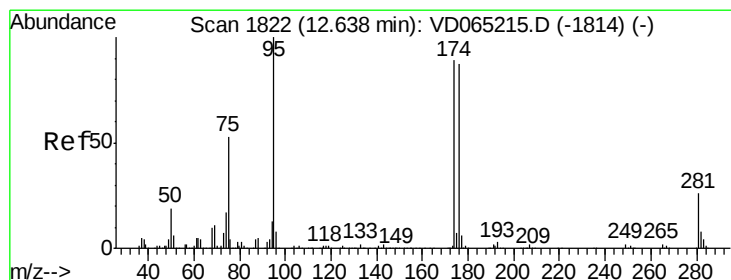
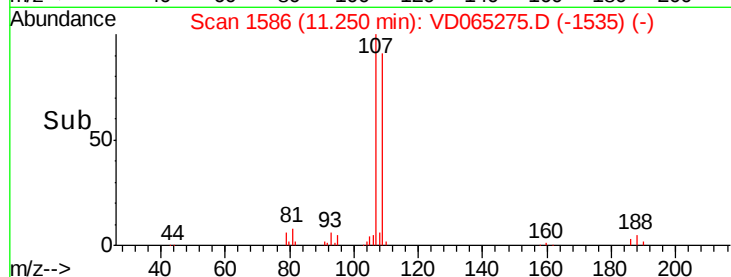
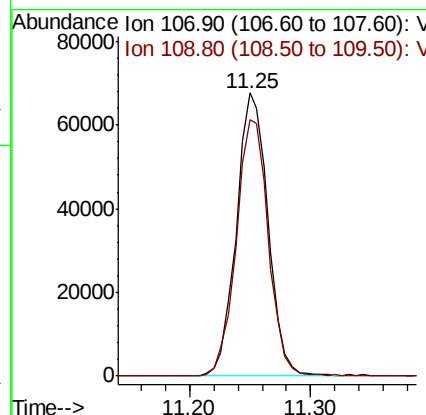
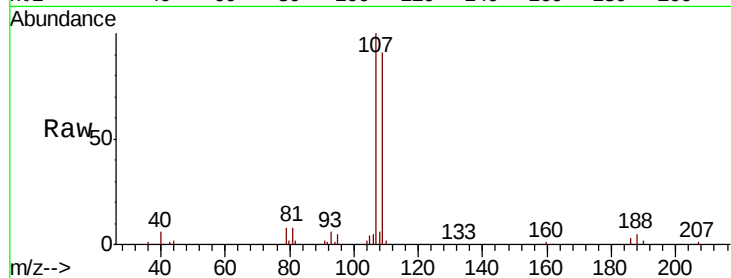




#61
 1,2-Dibromoethane
 Concen: 44.291 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065275.D
 Acq: 21 Feb 2020 15:05

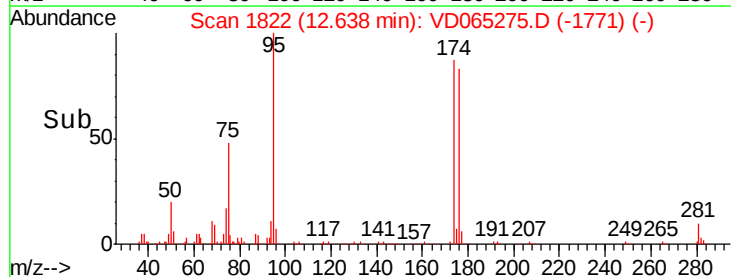
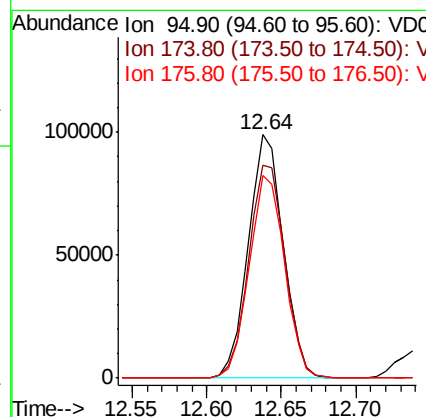
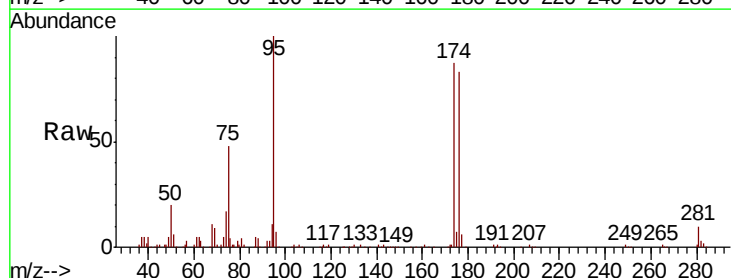
Instrument :
 MSVOA_D
 ClientSampleId :

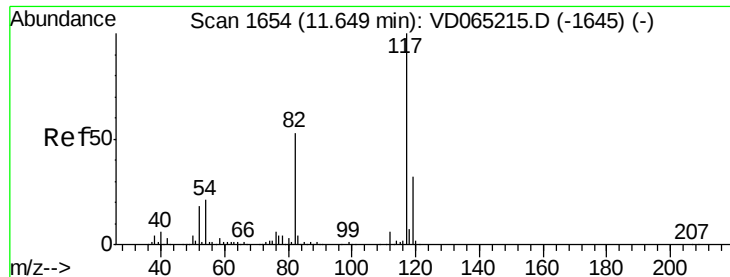
Tot Ion:107 Resp: 123343
 Ion Ratio Lower Upper
 107 100
 109 92.1 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 36.498 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065275.D
 Acq: 21 Feb 2020 15:05

Tgt Ion: 95 Resp: 160286
 Ion Ratio Lower Upper
 95 100
 174 90.6 0.0 178.0
 176 84.5 0.0 174.4

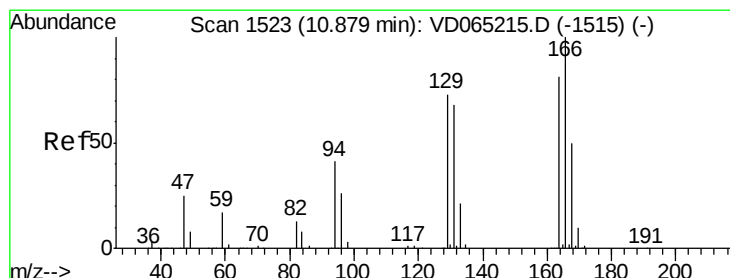
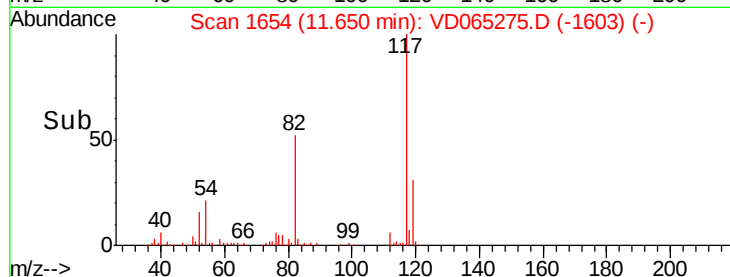
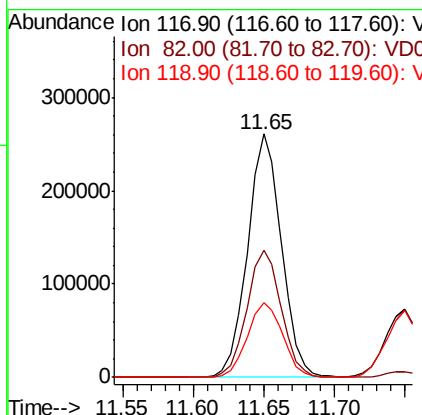
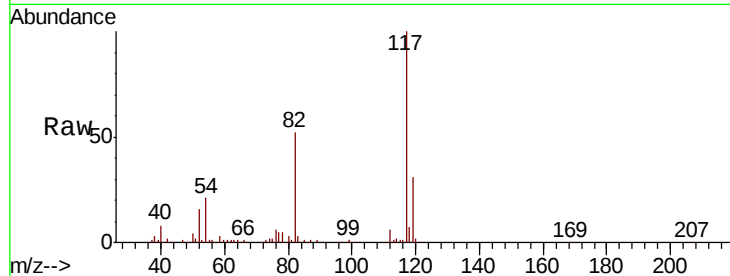




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

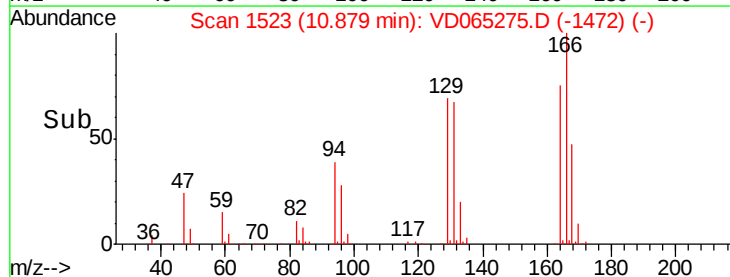
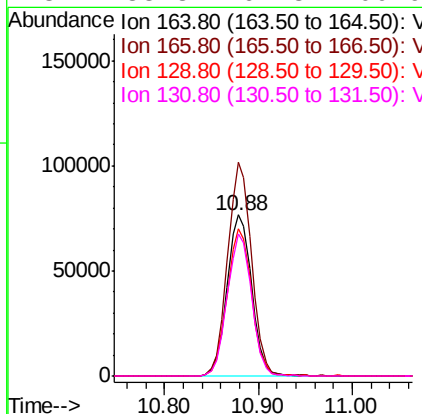
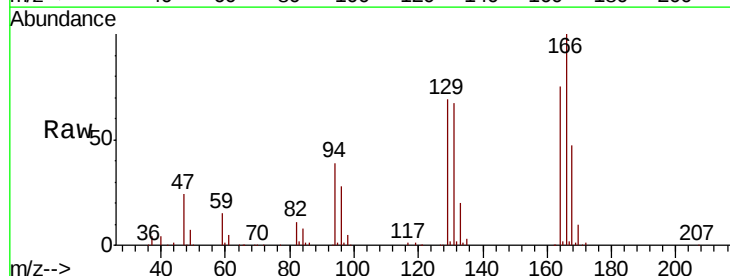
Instrument :
MSVOA_D
ClientSampleId :

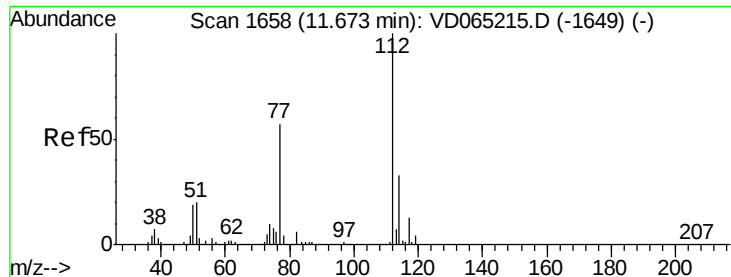
Tot Ion:117 Resp: 439337
Ion Ratio Lower Upper
117 100
82 52.2 42.7 64.1
119 30.8 25.5 38.3



#64
Tetrachloroethene
Concen: 44.482 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion:164 Resp: 138604
Ion Ratio Lower Upper
164 100
166 132.6 98.4 147.6
129 91.3 71.6 107.4
131 88.3 67.3 100.9

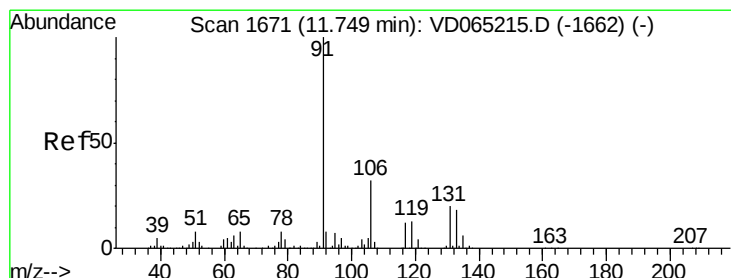
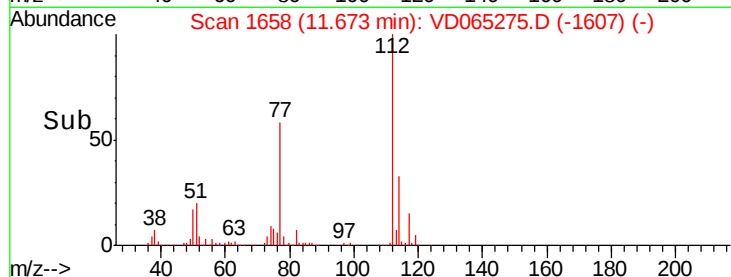
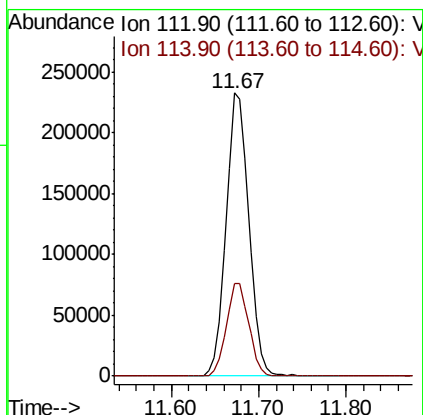
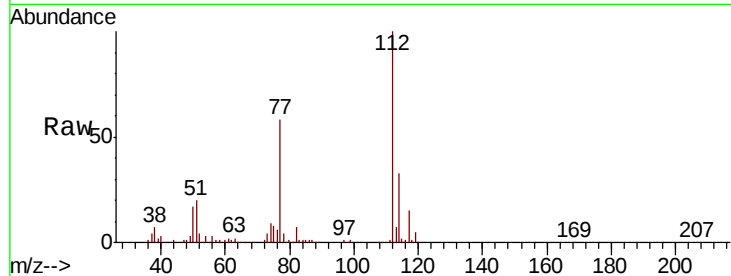




#65
Chlorobenzene
Concen: 46.615 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

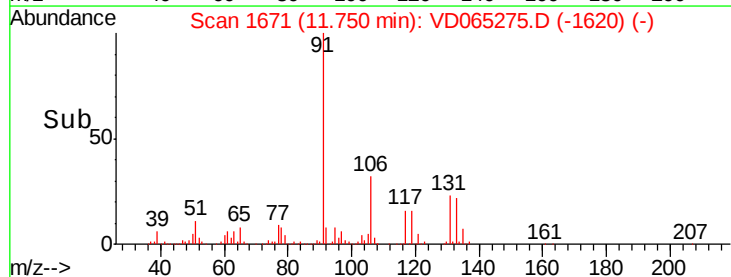
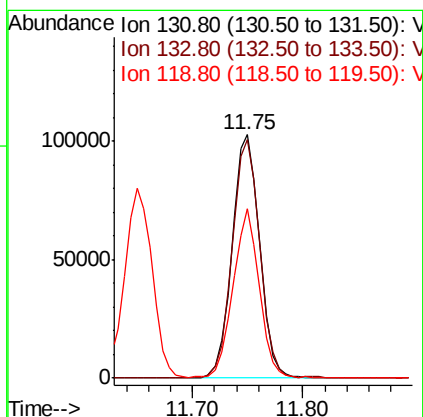
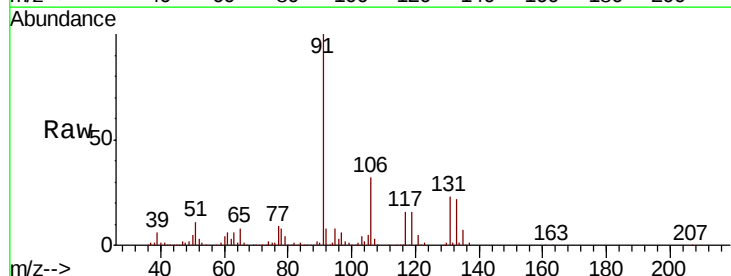
Instrument :
MSVOA_D
ClientSampleId :

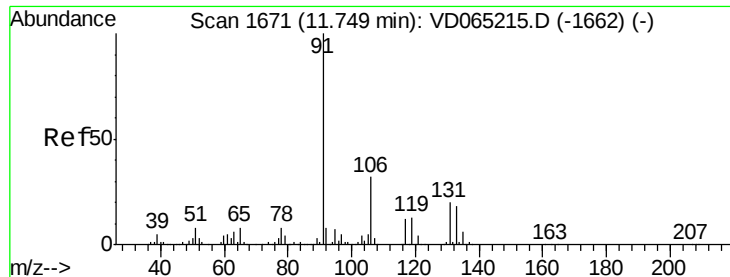
Tot Ion:112 Resp: 410974
Ion Ratio Lower Upper
112 100
114 32.7 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 54.651 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion:131 Resp: 179805
Ion Ratio Lower Upper
131 100
133 98.0 47.7 143.1
119 66.7 32.7 98.1





#67

Ethyl Benzene

Concen: 47.276 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

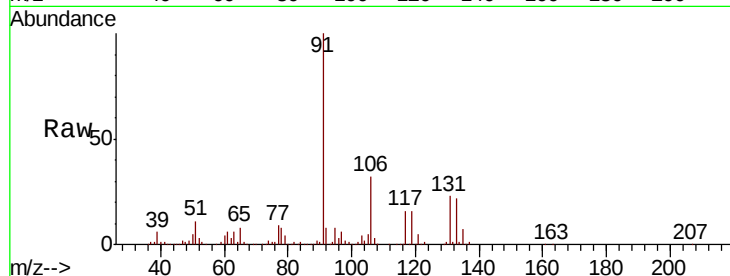
ClientSampleId :

Tot Ion: 91 Resp: 729983

Ion Ratio Lower Upper

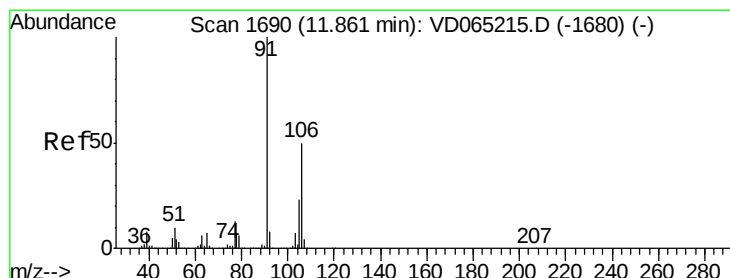
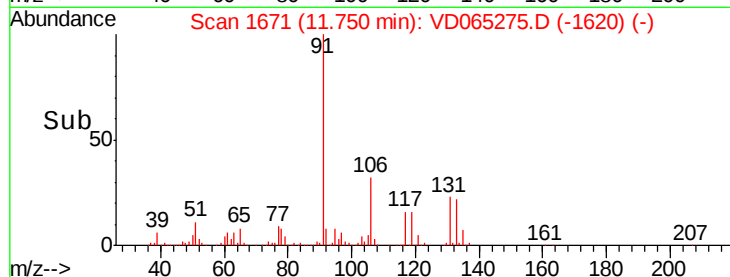
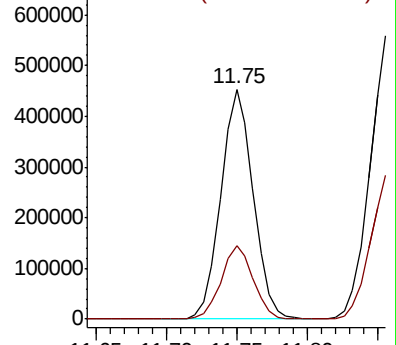
91 100

106 32.1 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 92.663 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065275.D

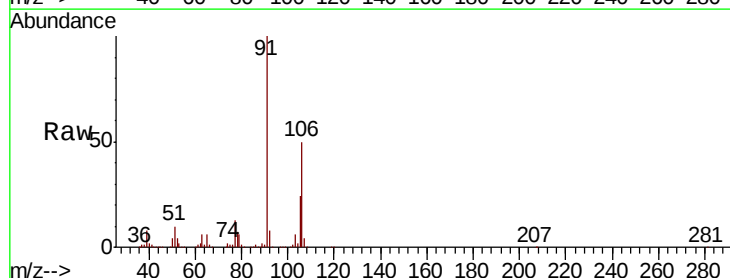
Acq: 21 Feb 2020 15:05

Tgt Ion: 106 Resp: 547415

Ion Ratio Lower Upper

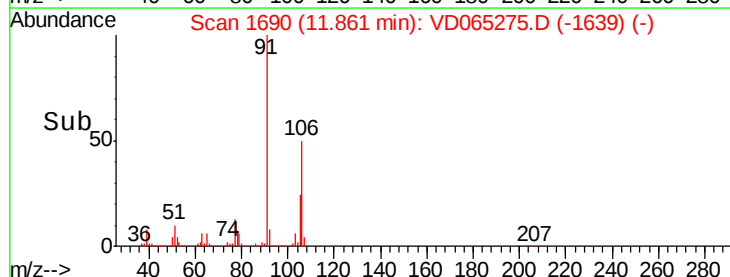
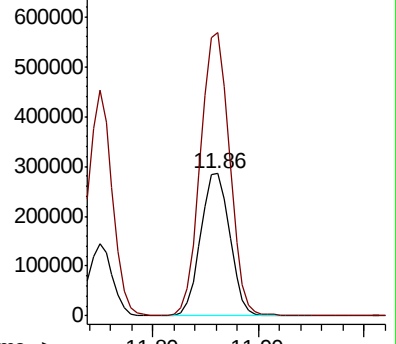
106 100

91 199.1 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

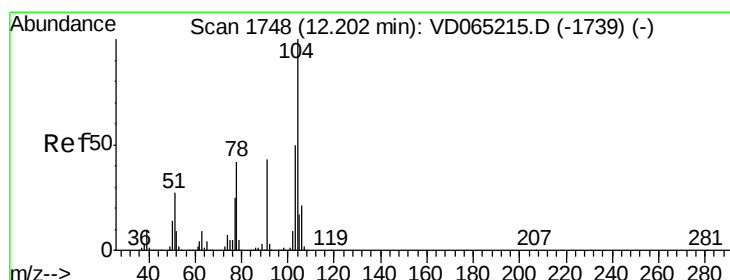
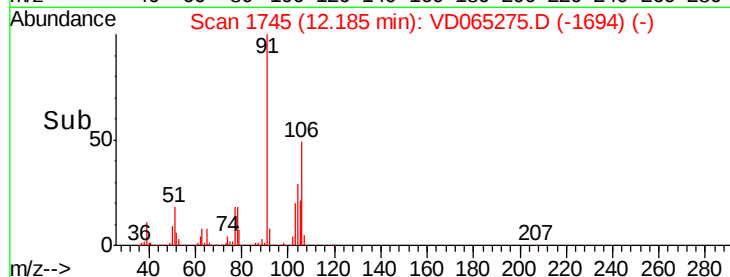
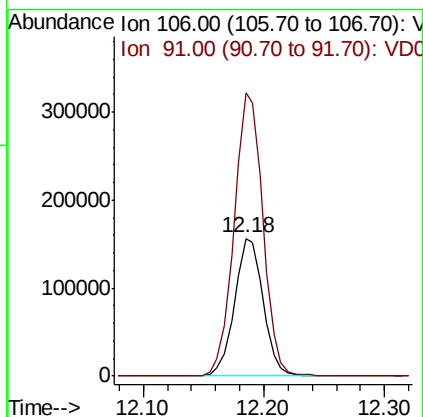
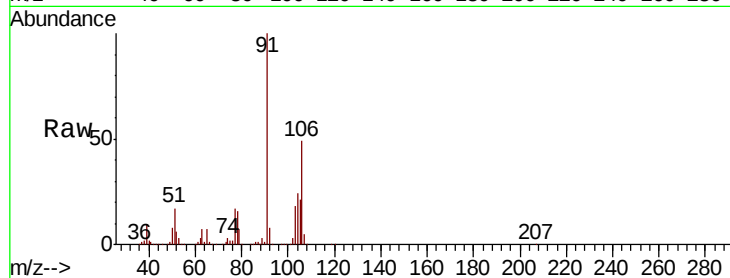




#69
o-Xylene
Concen: 49.274 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

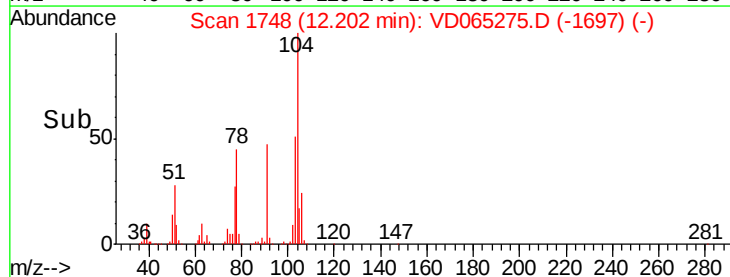
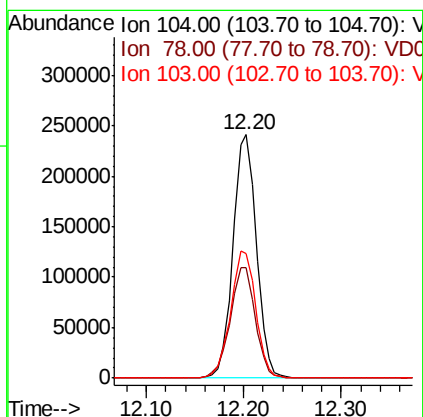
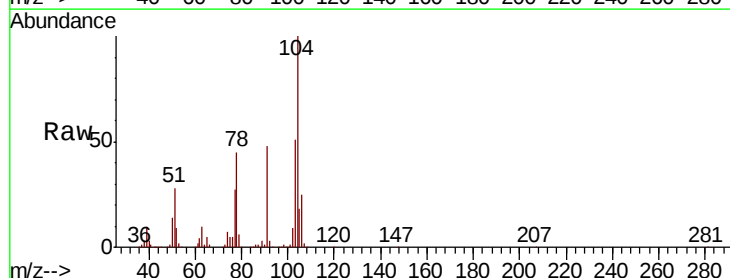
Instrument :
MSVOA_D
ClientSampleId :

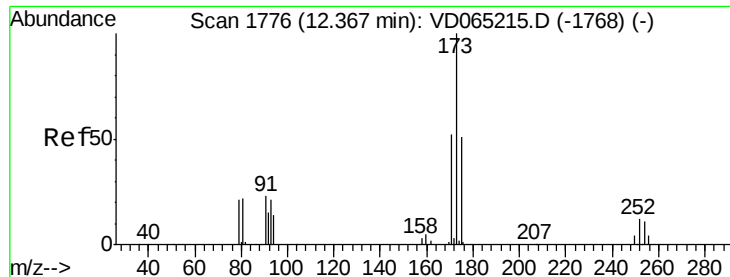
Tot Ion:106 Resp: 257892
Ion Ratio Lower Upper
106 100
91 207.2 104.7 313.9



#70
Styrene
Concen: 43.353 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion:104 Resp: 402854
Ion Ratio Lower Upper
104 100
78 48.6 37.8 56.6
103 55.9 43.4 65.2

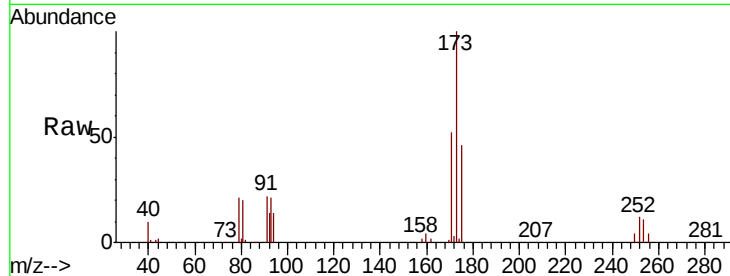




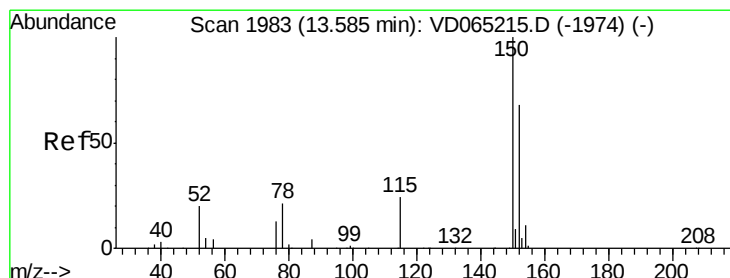
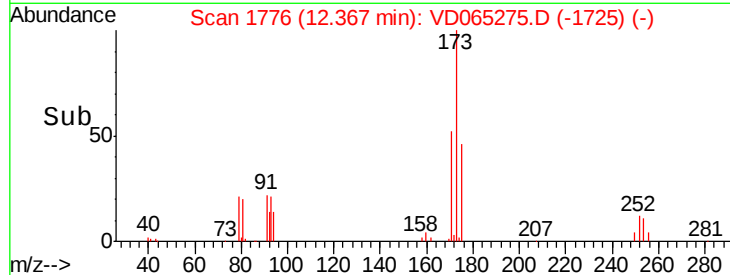
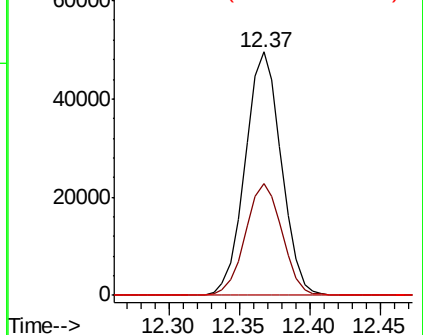
#71
Bromoform
Concen: 48.717 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 88941
Ion Ratio Lower Upper
173 100
175 46.7 24.4 73.4
254 0.0 0.0 0.0

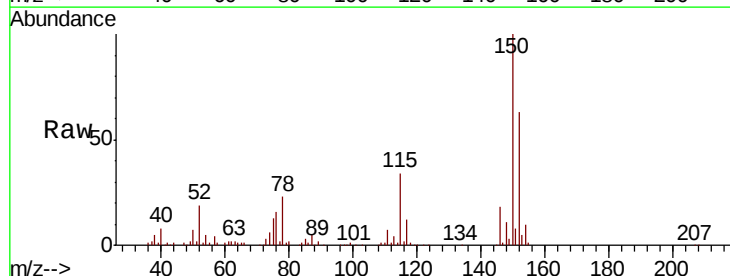


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

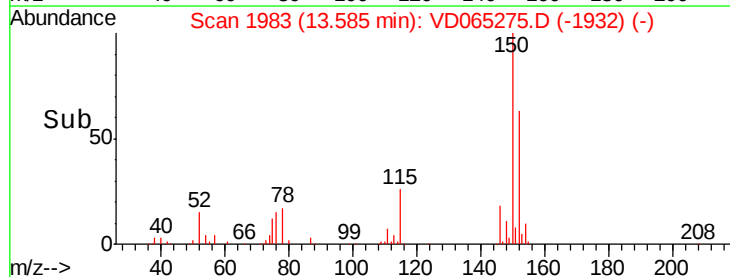
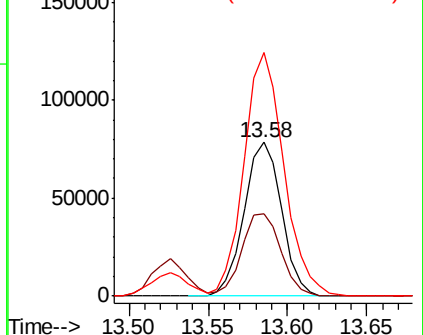


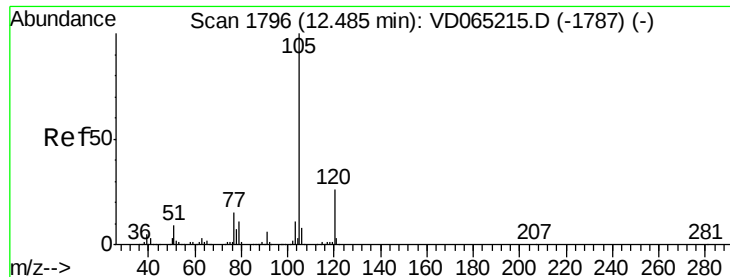
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion:152 Resp: 129268
Ion Ratio Lower Upper
152 100
115 55.9 27.6 82.8
150 168.6 0.0 347.4



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: 69.894 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

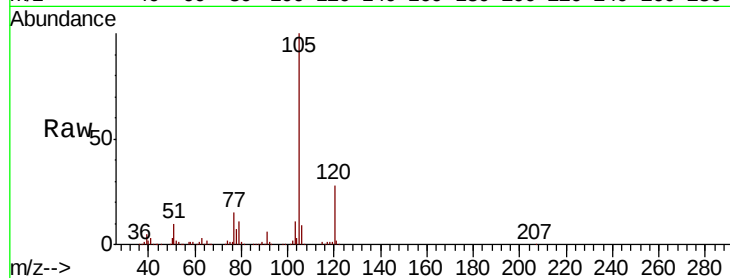
ClientSampleId :

Tot Ion: 105 Resp: 598163

Ion Ratio Lower Upper

105 100

120 27.6 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

400000

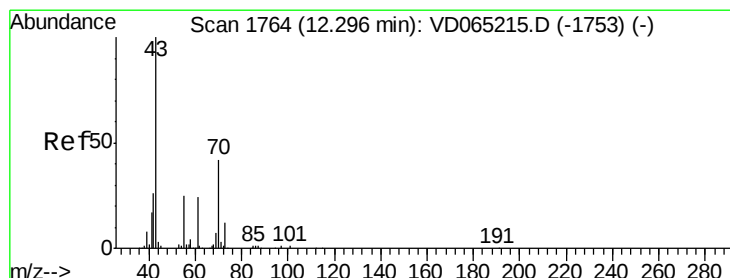
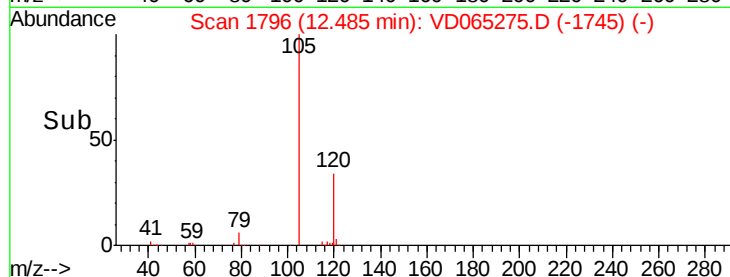
300000

200000

100000

0

Time--> 12.40 12.50



#74

N-ethyl acetate

Concen: 31.638 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Tgt Ion: 43 Resp: 60165

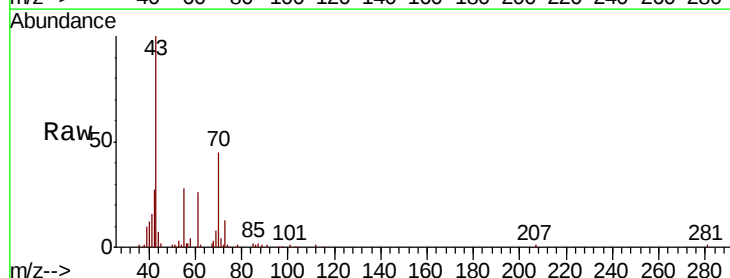
Ion Ratio Lower Upper

43 100

70 45.3 33.7 50.5

55 28.4 20.7 31.1

61 24.5 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

60000

50000

40000

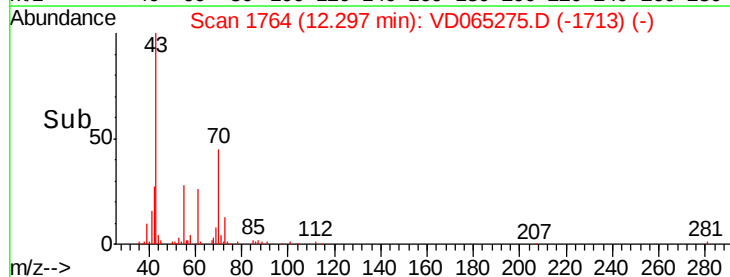
30000

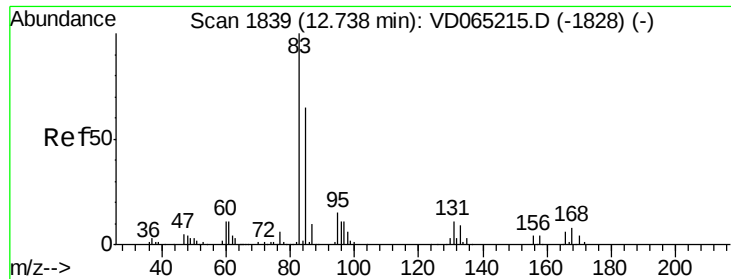
20000

10000

0

Time--> 12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 80.615 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

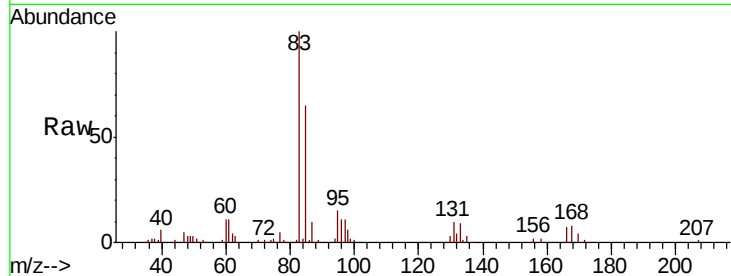
Tot Ion: 83 Resp: 124514

Ion Ratio Lower Upper

83 100

131 10.1 5.4 16.2

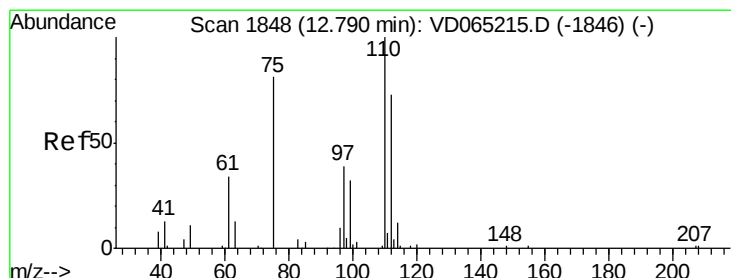
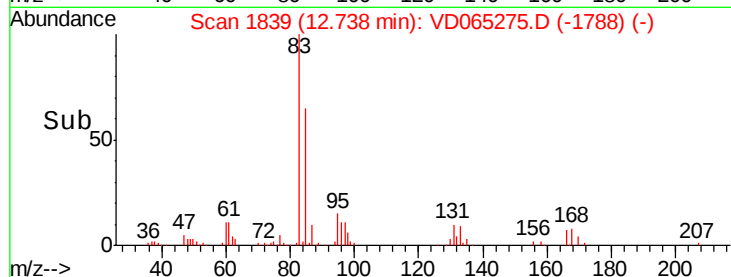
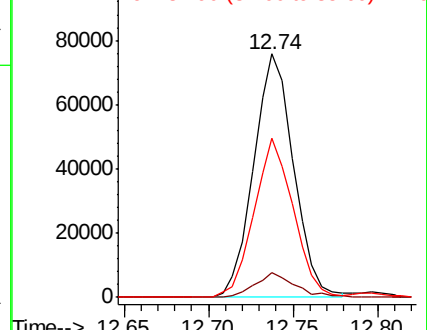
85 64.1 31.6 94.8



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: 140.556 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065275.D

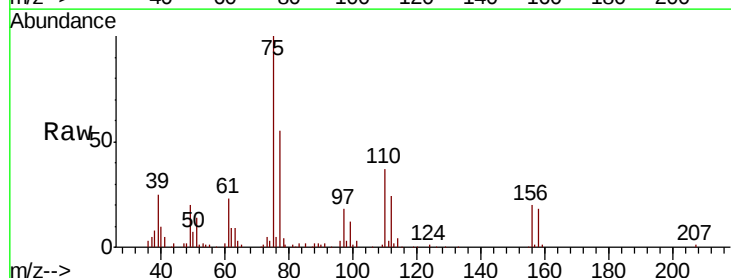
Acq: 21 Feb 2020 15:05

Tgt Ion: 75 Resp: 154590

Ion Ratio Lower Upper

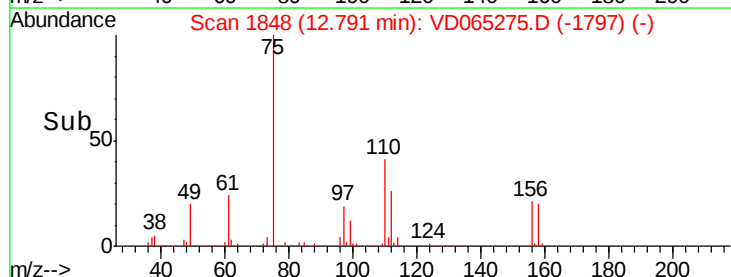
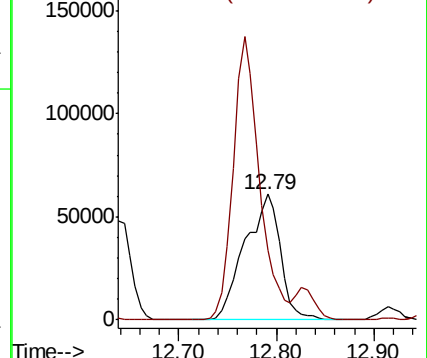
75 100

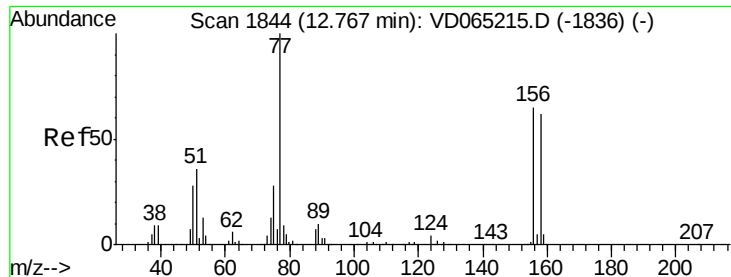
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 66.903 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

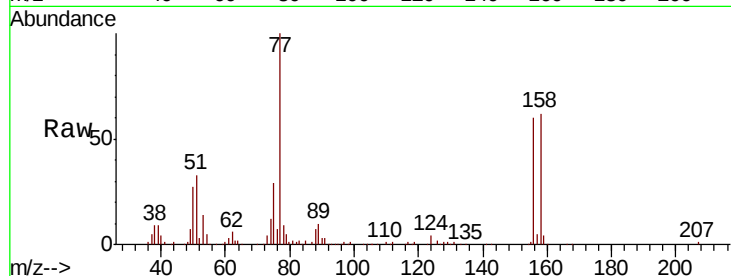
Tot Ion:156 Resp: 142179

Ion Ratio Lower Upper

156 100

77 181.5 86.6 259.7

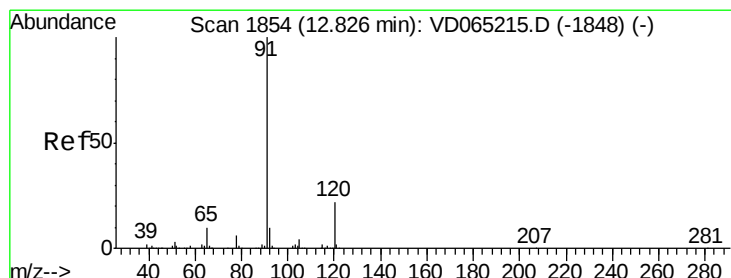
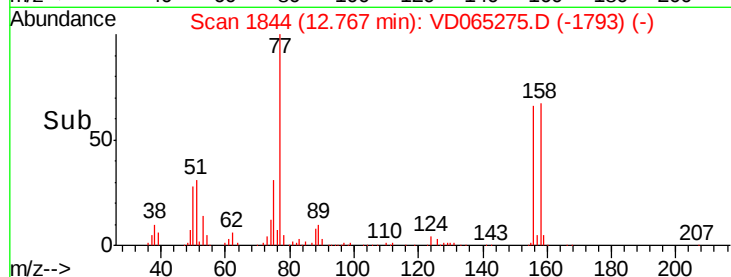
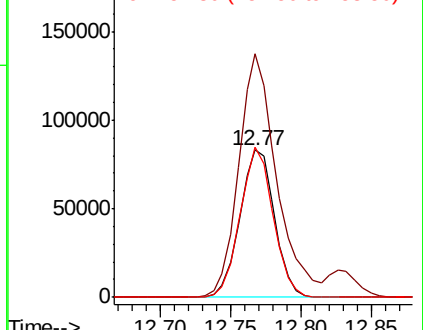
158 97.3 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 58.058 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065275.D

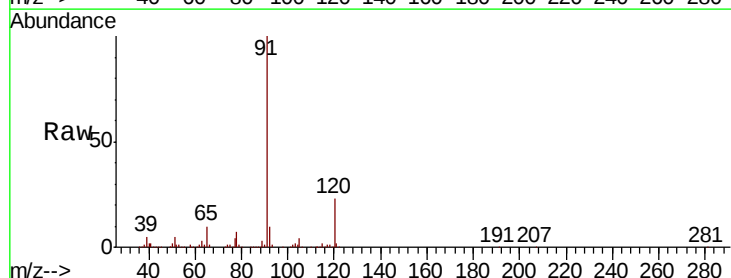
Acq: 21 Feb 2020 15:05

Tgt Ion: 91 Resp: 597100

Ion Ratio Lower Upper

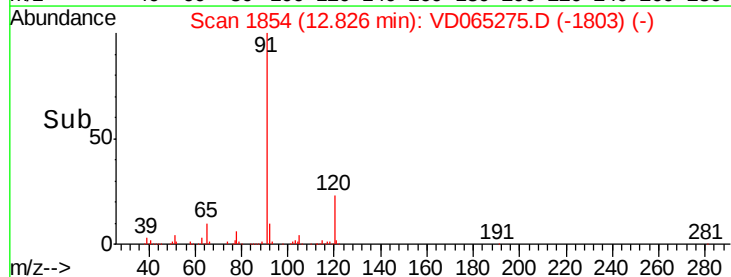
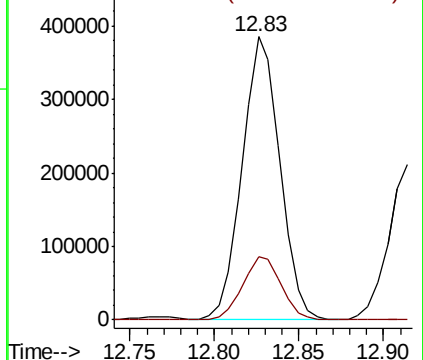
91 100

120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 60.551 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

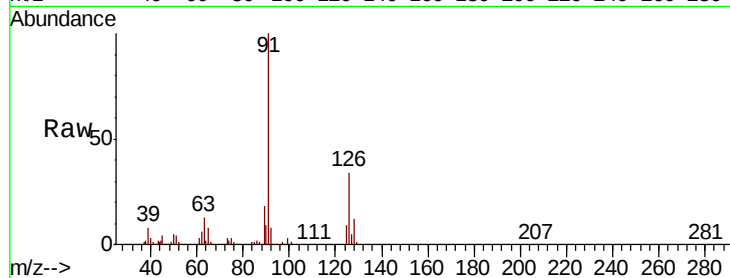
ClientSampled :

Tot Ion: 91 Resp: 348863

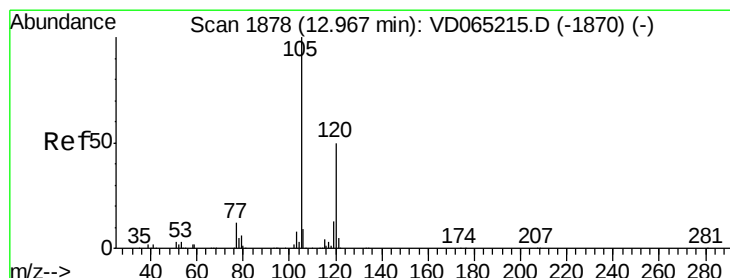
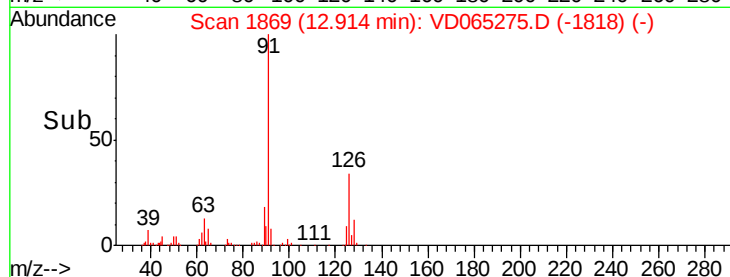
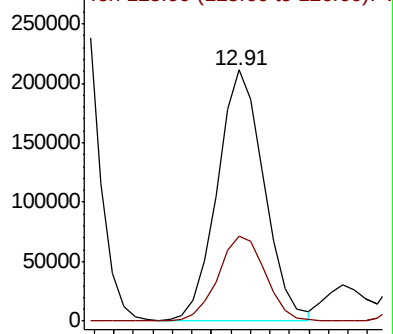
Ion Ratio Lower Upper

91 100

126 34.3 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VD065215.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 63.504 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065275.D

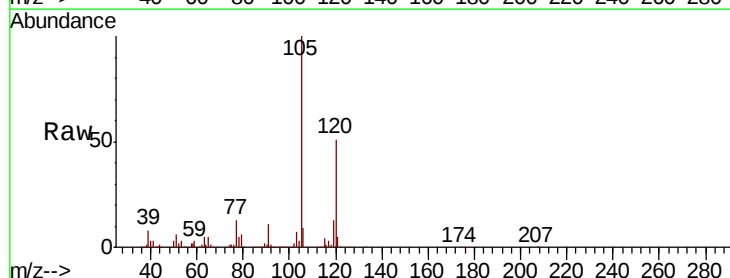
Acq: 21 Feb 2020 15:05

Tgt Ion: 105 Resp: 447624

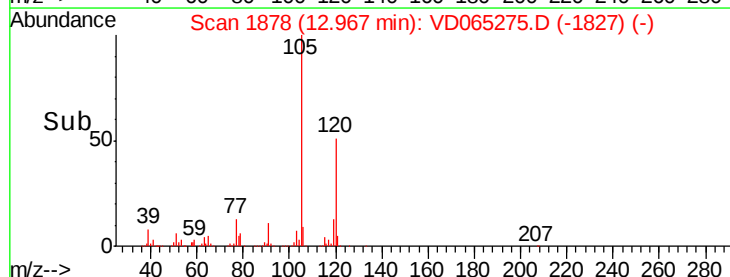
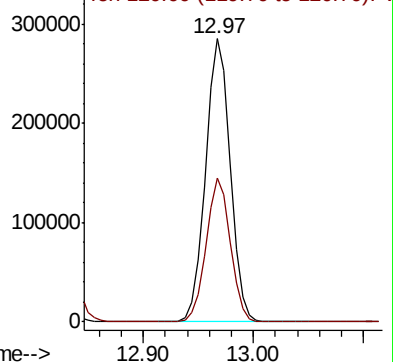
Ion Ratio Lower Upper

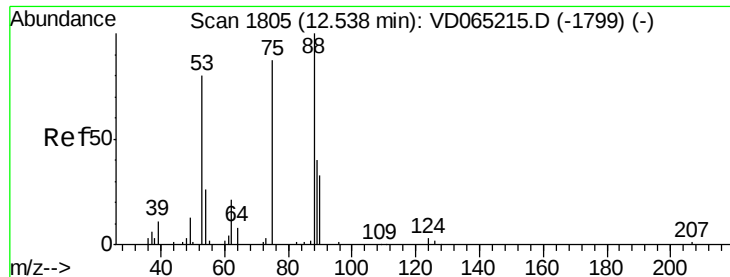
105 100

120 50.0 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD065215.D (-1870) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 77.939 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

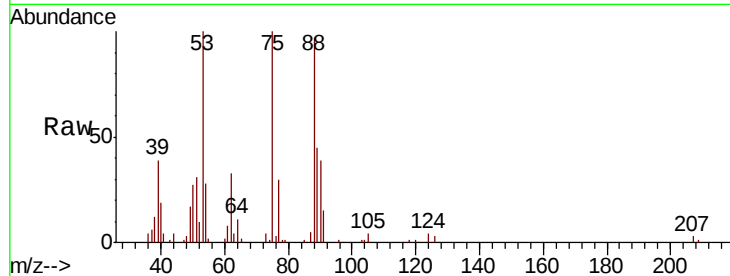
Tot Ion: 75 Resp: 39701

Ion Ratio Lower Upper

75 100

53 91.5 77.6 116.4

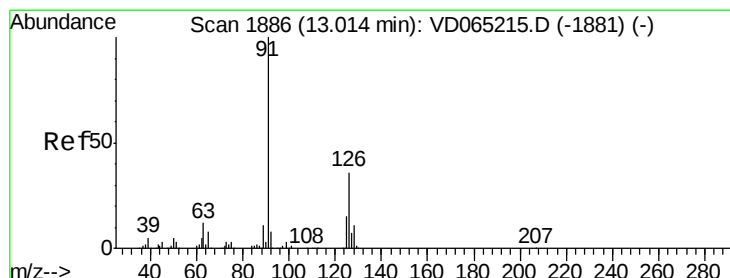
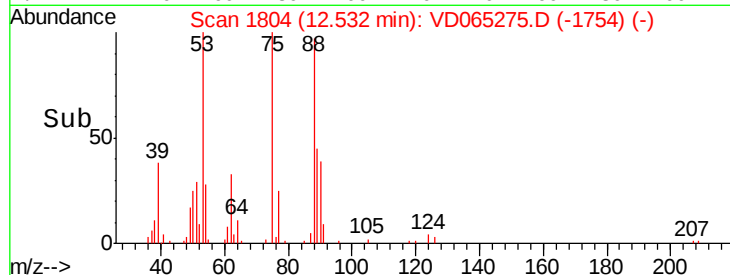
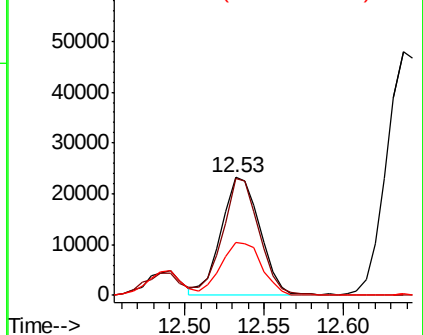
89 46.1 37.2 55.8



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: 55.542 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065275.D

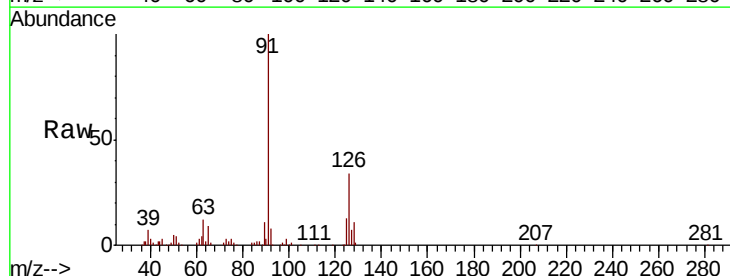
Acq: 21 Feb 2020 15:05

Tgt Ion: 91 Resp: 339725

Ion Ratio Lower Upper

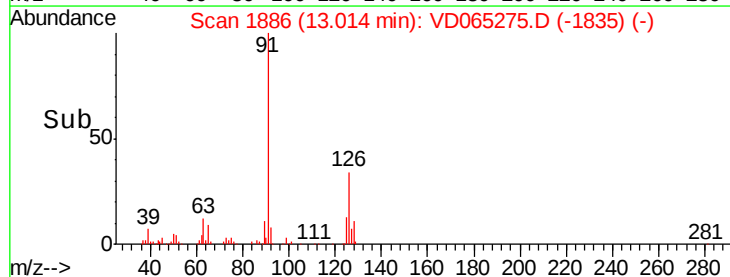
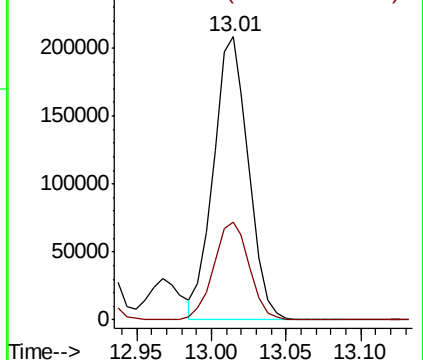
91 100

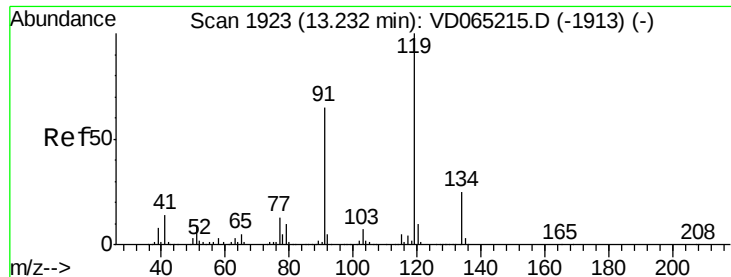
126 35.4 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

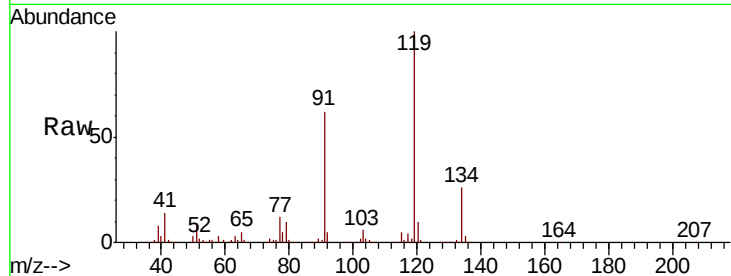




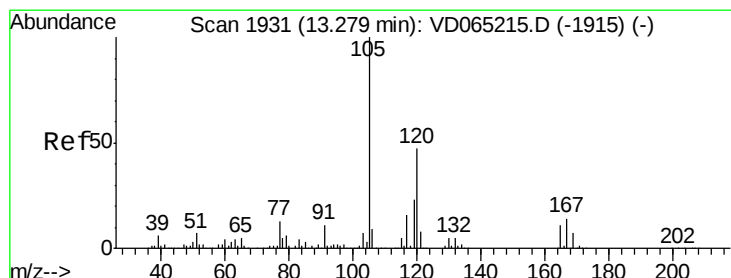
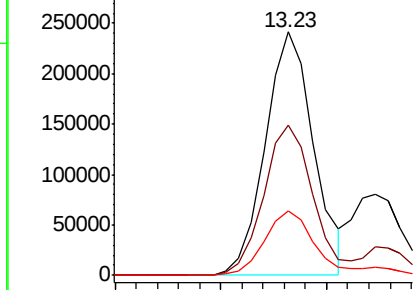
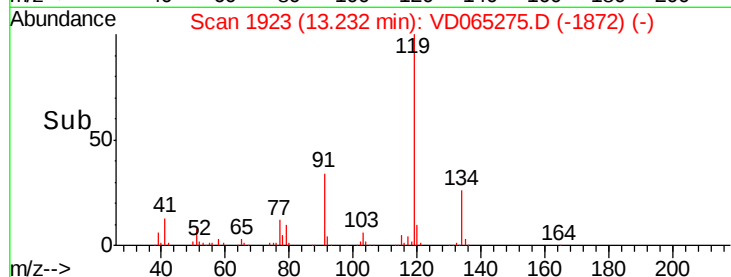
#83
tert-Butylbenzene
Concen: 65.082 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 384484
Ion Ratio Lower Upper
119 100
91 63.2 31.9 95.5
134 26.6 13.8 41.3

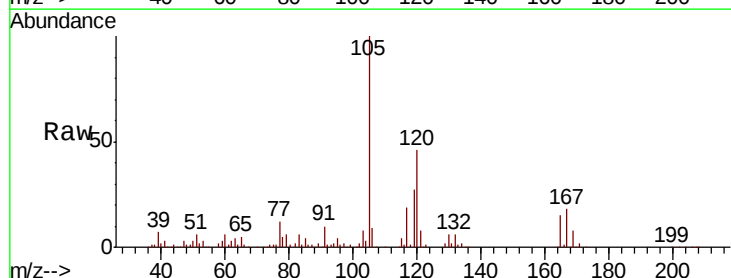


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

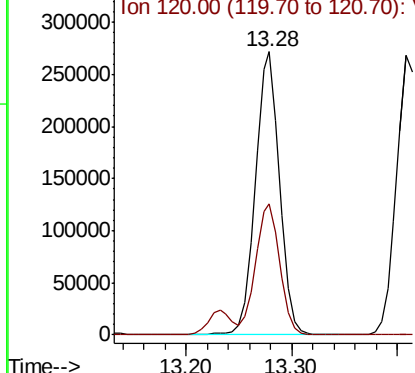
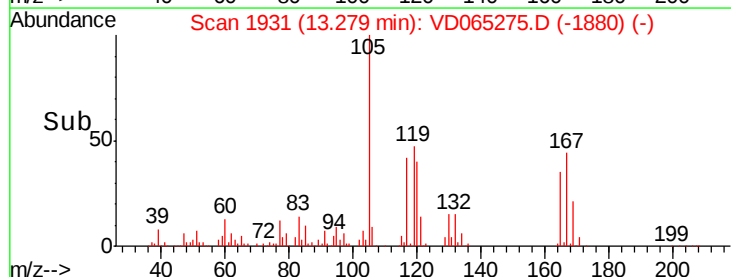


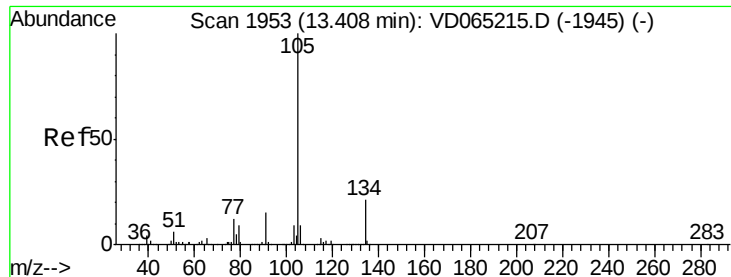
#84
1,2,4-Trimethylbenzene
Concen: 61.299 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion:105 Resp: 432477
Ion Ratio Lower Upper
105 100
120 46.5 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

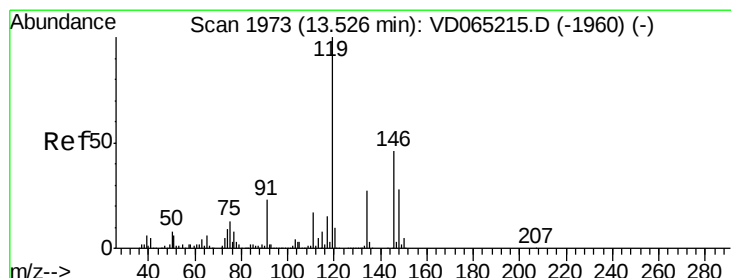
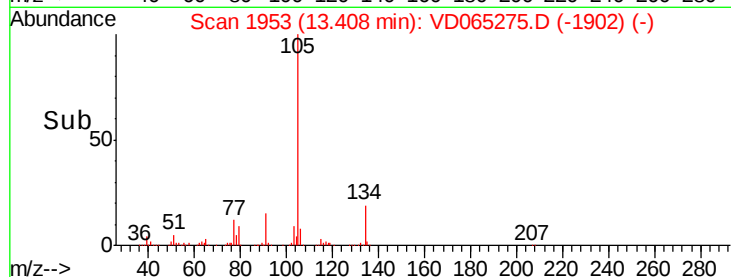
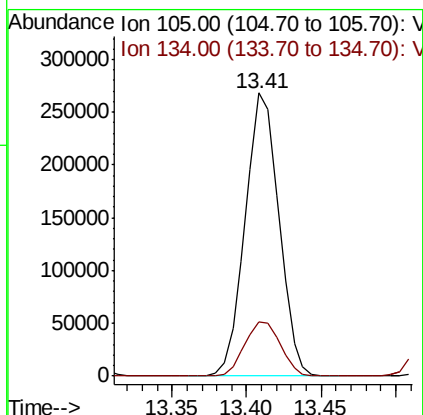
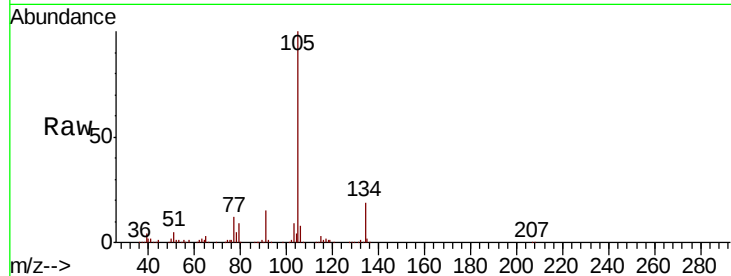




#85
 sec-Butylbenzene
 Concen: 49.417 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065275.D
 Acq: 21 Feb 2020 15:05

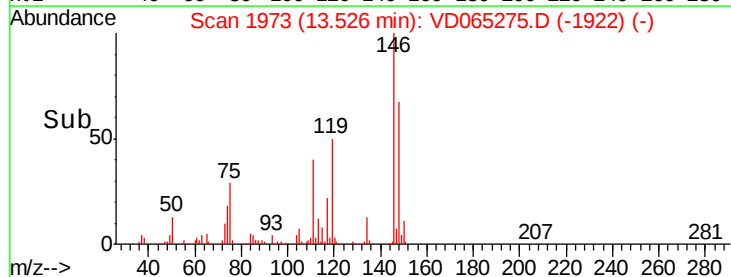
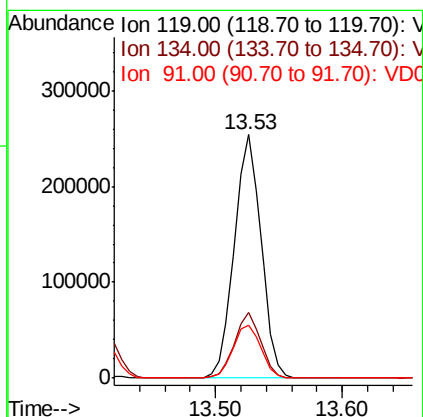
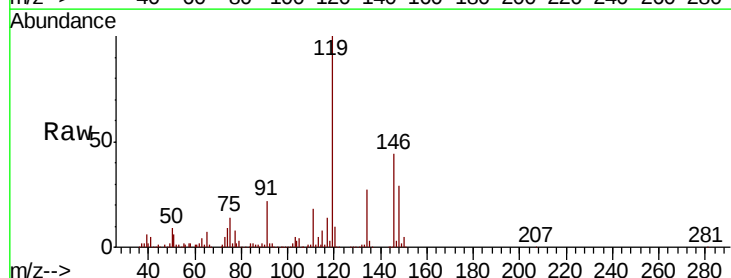
Instrument :
 MSVOA_D
 ClientSampleId :

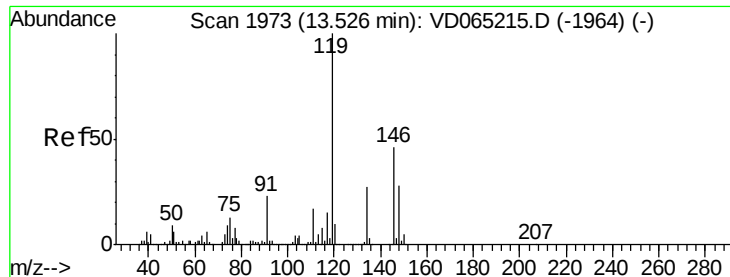
Tot Ion:105 Resp: 420670
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 47.674 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065275.D
 Acq: 21 Feb 2020 15:05

Tgt Ion:119 Resp: 371136
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.8
 91 22.1 11.1 33.1

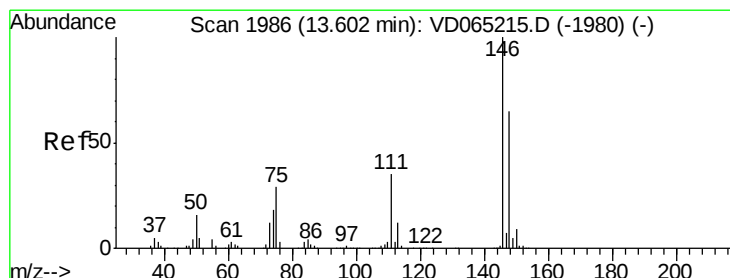
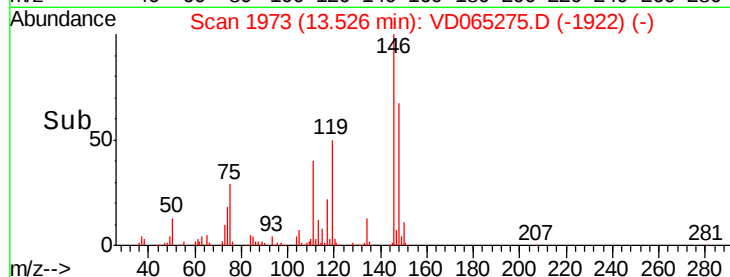
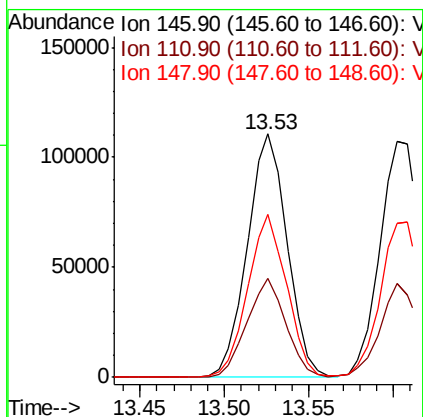
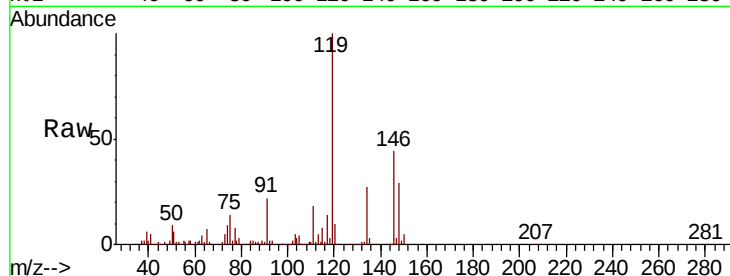




#87
 1,3-Dichlorobenzene
 Concen: 44.193 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065275.D
 Acq: 21 Feb 2020 15:05

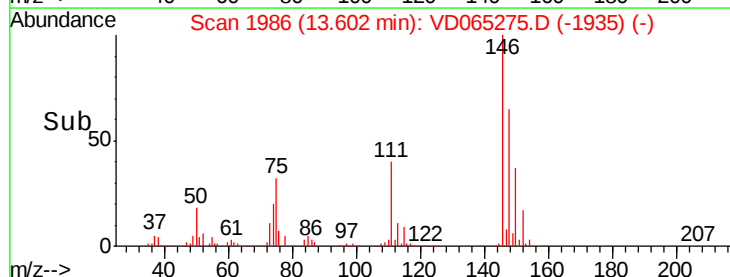
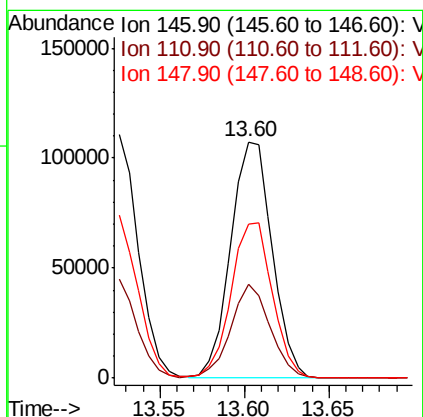
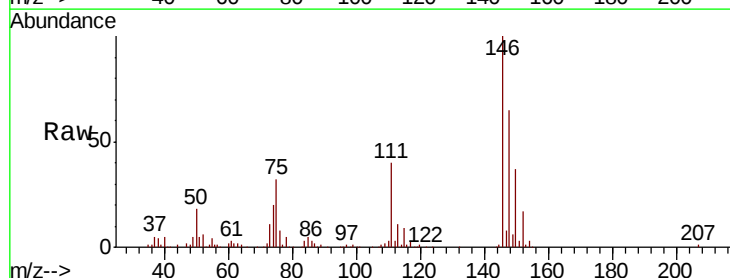
Instrument :
 MSVOA_D
 ClientSampled :

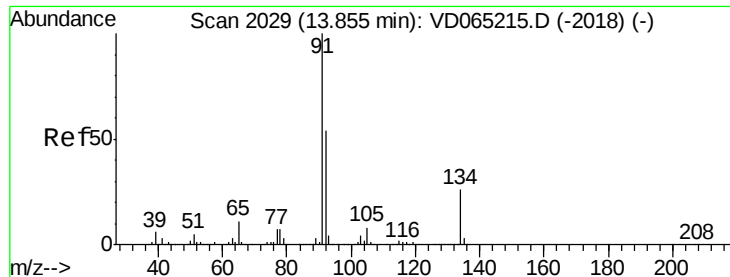
Tot Ion:146 Resp: 181559
 Ion Ratio Lower Upper
 146 100
 111 39.6 18.6 55.8
 148 65.5 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 45.201 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065275.D
 Acq: 21 Feb 2020 15:05

Tgt Ion:146 Resp: 183278
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.4 55.2
 148 65.7 32.1 96.5

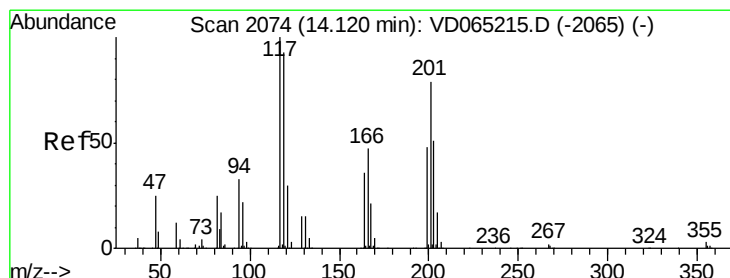
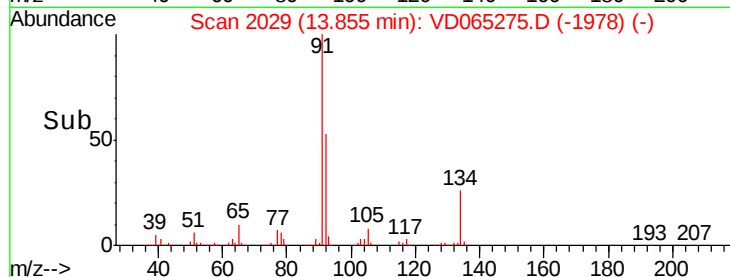
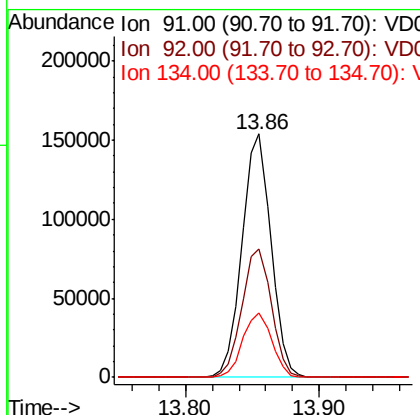
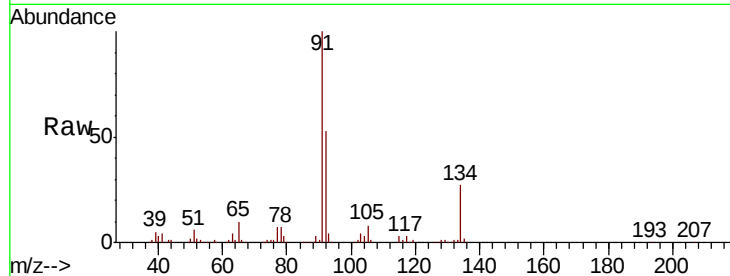




#89
n-Butylbenzene
Concen: 32.212 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

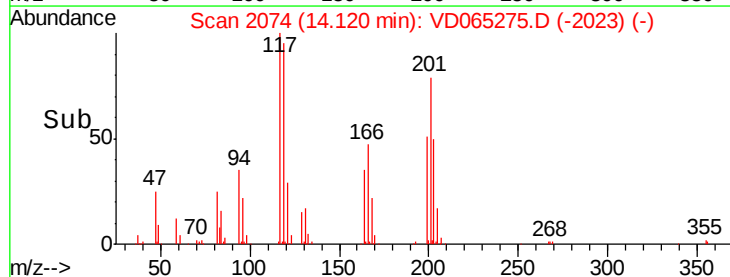
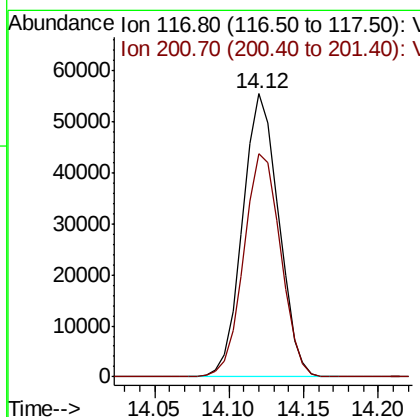
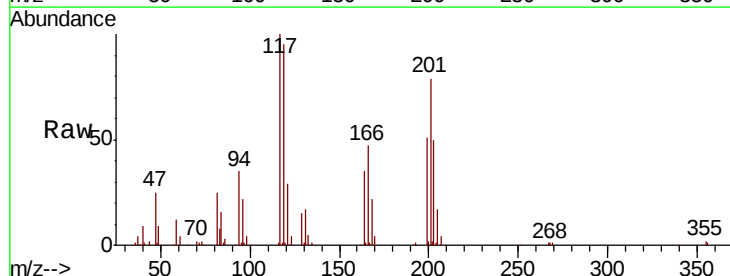
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 231078
Ion Ratio Lower Upper
91 100
92 53.6 27.0 80.8
134 26.7 13.5 40.4



#90
Hexachloroethane
Concen: 58.777 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion: 117 Resp: 92908
Ion Ratio Lower Upper
117 100
201 80.5 41.3 124.1

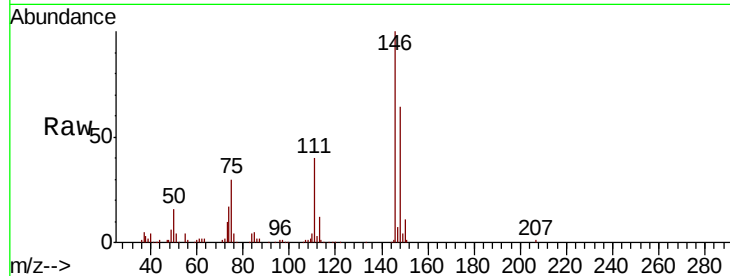




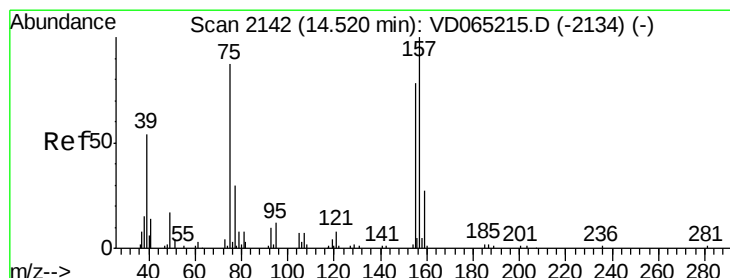
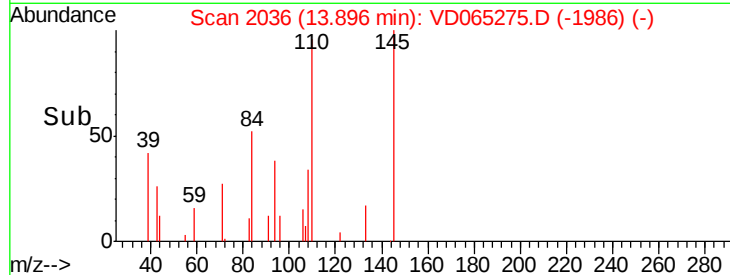
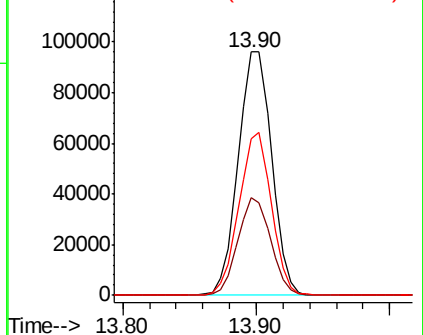
#91
 1,2-Dichlorobenzene
 Concen: 47.410 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065275.D
 Acq: 21 Feb 2020 15:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.0
148	64.5	32.0	96.2

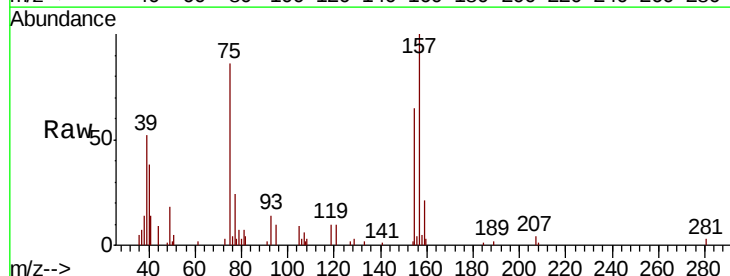


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

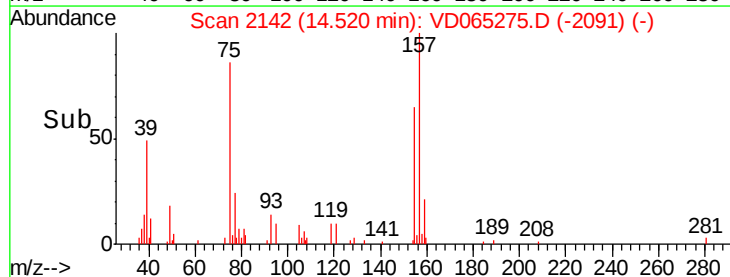
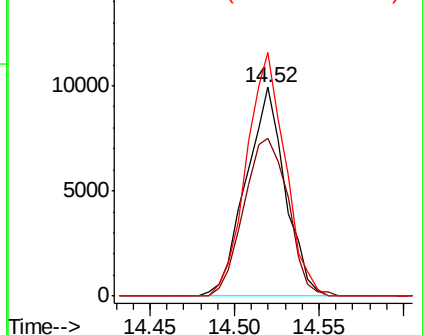


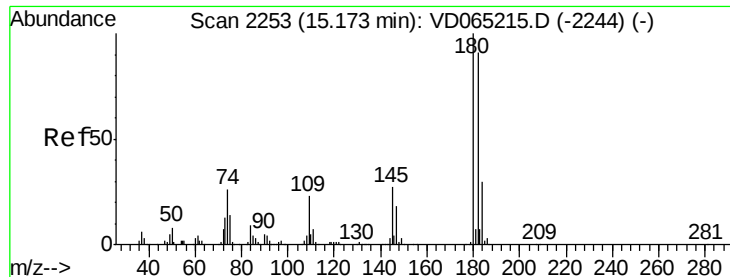
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 67.594 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065275.D
 Acq: 21 Feb 2020 15:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.8	42.3	126.9
157	114.6	56.7	170.1



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

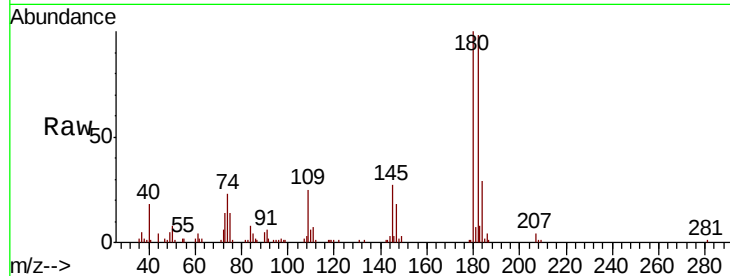




#93
1,2,4-Trichlorobenzene
Concen: 22.802 ug/l
RT: 15.18 min Scan# 2254
Delta R.T. 0.01 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	46.9	140.6
145	27.6	13.9	41.7

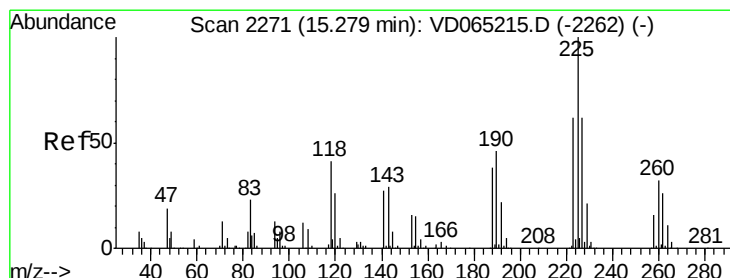
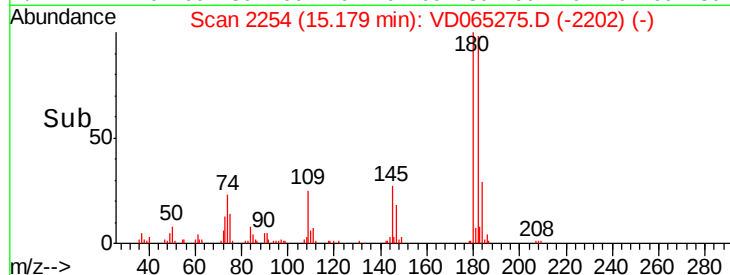
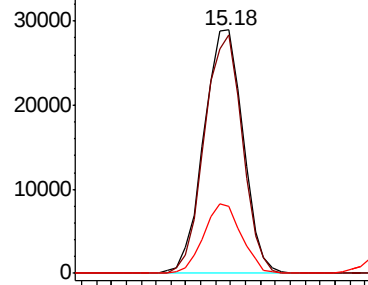


Abundance

Ion 179.80 (179.50 to 180.50): V

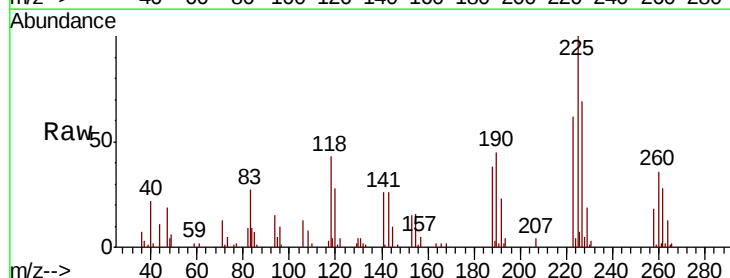
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 23.664 ug/l
RT: 15.28 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.4	94.2
227	65.0	31.7	95.1

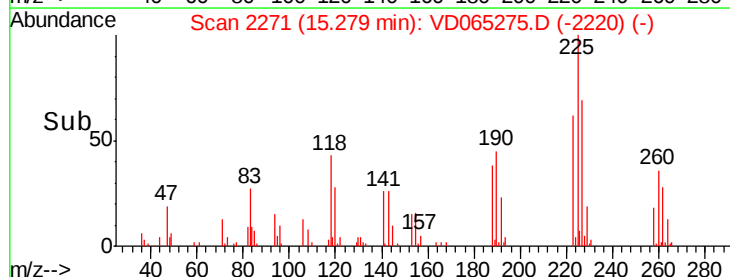
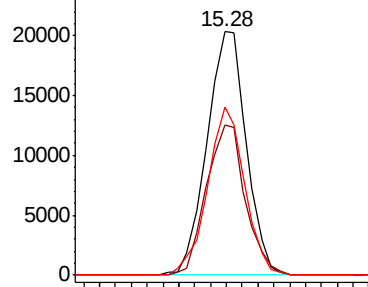


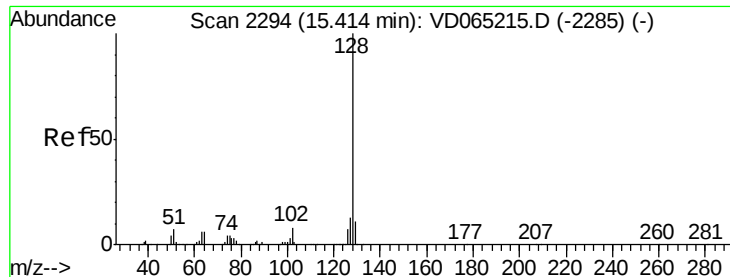
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

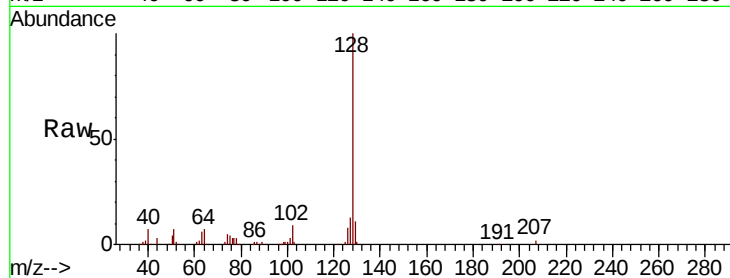




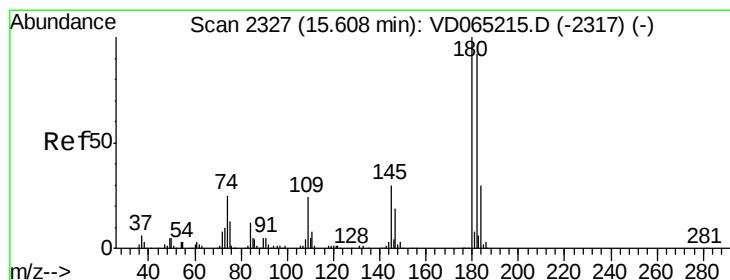
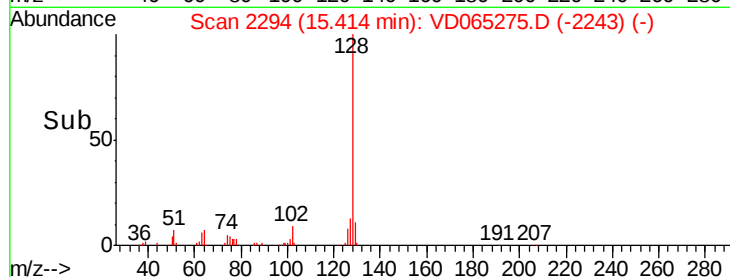
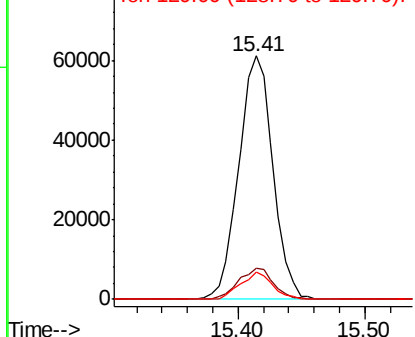
#95
Naphthalene
Concen: 30.410 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 114072
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 10.5 8.8 13.2

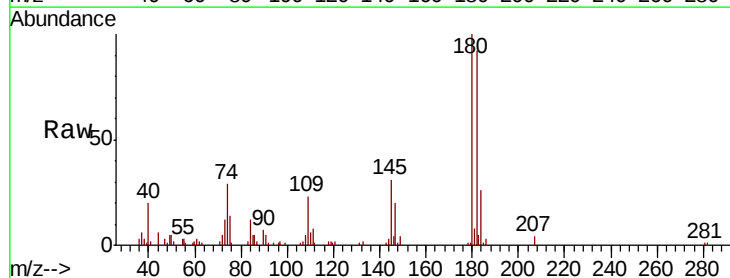


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.794 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion:180 Resp: 41905
Ion Ratio Lower Upper
180 100
182 100.7 46.9 140.6
145 32.4 15.4 46.1



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

