

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070720\
 Data File : VD065922.D
 Acq On : 07 Jul 2020 14:34
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Jul 08 09:21:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:18:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	437549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	665987	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	613155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	303406	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	79842	20.59	ug/l	0.00
Spiked Amount						
			Recovery	=	41.18%	
35) Dibromofluoromethane	7.91	113	82872	20.17	ug/l	0.00
Spiked Amount						
			Recovery	=	40.34%	
50) Toluene-d8	10.34	98	305510	20.38	ug/l	0.00
Spiked Amount						
			Recovery	=	40.76%	
62) 4-Bromofluorobenzene	12.64	95	105054	20.41	ug/l	0.00
Spiked Amount						
			Recovery	=	40.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	87344	22.454	ug/l	93
3) Chloromethane	2.21	50	83847	21.744	ug/l	96
4) Vinyl Chloride	2.35	62	75637	21.363	ug/l	97
5) Bromomethane	2.75	94	47178	21.036	ug/l #	79
6) Chloroethane	2.92	64	45431	21.465	ug/l	90
7) Trichlorofluoromethane	3.27	101	159829	21.062	ug/l	99
8) Diethyl Ether	3.70	74	42574	20.450	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	94930	20.914	ug/l	99
10) Methyl Iodide	4.30	142	81500	18.906	ug/l	99
11) Tert butyl alcohol	5.23	59	31109	113.249	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	87905	20.730	ug/l	97
13) Acrolein	3.93	56	27971	122.261	ug/l	96
14) Allyl chloride	4.71	41	148761	20.701	ug/l	99
15) Acrylonitrile	5.42	53	95004	104.230	ug/l	99
16) Acetone	4.16	43	91413	100.590	ug/l	99
17) Carbon Disulfide	4.41	76	282893	20.937	ug/l	100
18) Methyl Acetate	4.71	43	42482	19.942	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	184441	20.545	ug/l	100
20) Methylene Chloride	4.97	84	131388	20.353	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	97500	20.436	ug/l	99
22) Diisopropyl ether	6.36	45	281433	20.840	ug/l	98
23) Vinyl Acetate	6.30	43	809482	105.013	ug/l	99
24) 1,1-Dichloroethane	6.26	63	165903	20.602	ug/l	97
25) 2-Butanone	7.21	43	119856	99.809	ug/l	90
26) 2,2-Dichloropropane	7.21	77	143409	20.357	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	104911	20.466	ug/l	99
28) Bromochloromethane	7.54	49	67961	22.341	ug/l	98
29) Tetrahydrofuran	7.56	42	77826	101.920	ug/l	98
30) Chloroform	7.71	83	167123	20.472	ug/l	94
31) Cyclohexane	7.98	56	162111	20.461	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	155478	20.869	ug/l	99
36) 1,1-Dichloropropene	8.11	75	135331	20.575	ug/l	98
37) Ethyl Acetate	7.30	43	56577	20.529	ug/l	99
38) Carbon Tetrachloride	8.10	117	141877	20.124	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	165301	20.470	ug/l	96
40) Benzene	8.35	78	374573	20.613	ug/l	98
41) Methacrylonitrile	7.53	41	31780	19.401	ug/l	93
42) 1,2-Dichloroethane	8.43	62	104682	20.335	ug/l	99
43) Isopropyl Acetate	8.45	43	103245	20.126	ug/l	99
44) Trichloroethene	9.11	130	109173	20.448	ug/l	95
45) 1,2-Dichloropropane	9.39	63	91495	20.287	ug/l	94
46) Dibromomethane	9.48	93	48403	20.614	ug/l	97
47) Bromodichloromethane	9.67	83	128460	20.395	ug/l	96
48) Methyl methacrylate	9.46	41	52775	20.436	ug/l	96
49) 1,4-Dioxane	9.46	88	10782	386.456	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	263868	101.741	ug/l	99
52) Toluene	10.40	92	239244	20.695	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	123216	20.805	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	146795	20.513	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	64663	19.988	ug/l	96
56) Ethyl methacrylate	10.66	69	82456	20.868	ug/l	95
57) 1,3-Dichloropropane	10.95	76	119606	21.140	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	207100	108.222	ug/l	99
59) 2-Hexanone	10.98	43	188800	105.850	ug/l	97
60) Dibromochloromethane	11.14	129	93895	21.243	ug/l	98
61) 1,2-Dibromoethane	11.25	107	65550	20.322	ug/l	98
64) Tetrachloroethene	10.88	164	90472	20.290	ug/l	98
65) Chlorobenzene	11.67	112	261314	21.148	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	93916	20.321	ug/l	98
67) Ethyl Benzene	11.75	91	455394	20.746	ug/l	99
68) m/p-Xylenes	11.86	106	348388	41.774	ug/l	97
69) o-Xylene	12.18	106	157115	20.681	ug/l	99
70) Styrene	12.20	104	272589	20.785	ug/l	99
71) Bromoform	12.36	173	52715	20.158	ug/l #	95
73) Isopropylbenzene	12.48	105	436186	20.599	ug/l	100
74) N-amyl acetate	12.29	43	97423	20.503	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	71701	20.396	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	93401	36.848	ug/l #	100
77) Bromobenzene	12.76	156	106049	20.649	ug/l	100
78) n-propylbenzene	12.83	91	520528	20.967	ug/l	100
79) 2-Chlorotoluene	12.91	91	292462	20.766	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	363564	20.991	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	24731	20.879	ug/l	96
82) 4-Chlorotoluene	13.01	91	303743	20.556	ug/l	99
83) tert-Butylbenzene	13.23	119	308309	20.894	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	361704	20.980	ug/l	99
85) sec-Butylbenzene	13.41	105	431637	20.641	ug/l	99
86) p-Isopropyltoluene	13.52	119	393835	20.591	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	202399	21.061	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	198946	20.750	ug/l	100
89) n-Butylbenzene	13.85	91	370319	20.617	ug/l	99
90) Hexachloroethane	14.11	117	79504	20.613	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	174086	20.726	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12674	21.561	ug/l	92

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Wed Jul 08 09:18:56 2020
Response via : Initial Calibration

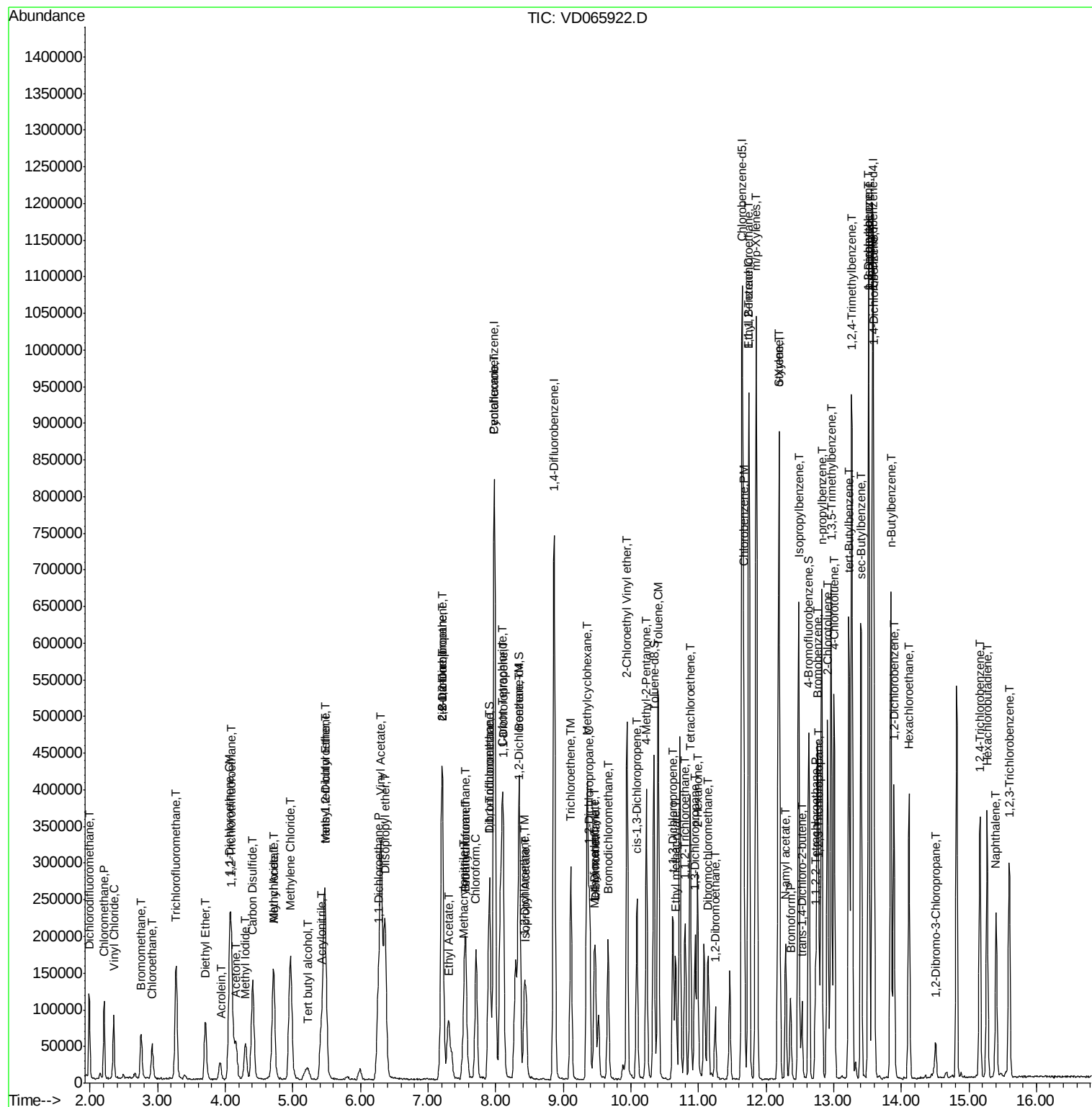
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	123724	20.668	ug/l	97
94) Hexachlorobutadiene	15.27	225	72847	20.117	ug/l	98
95) Naphthalene	15.40	128	197891	19.710	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	107694	20.856	ug/l	99

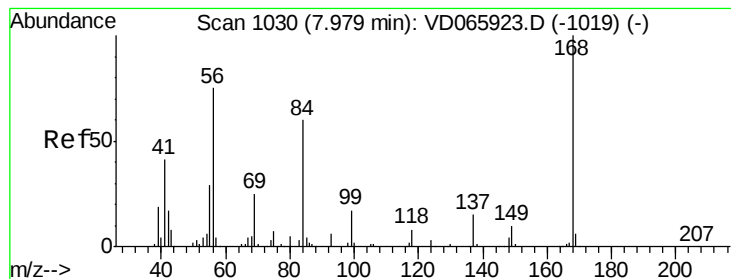
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

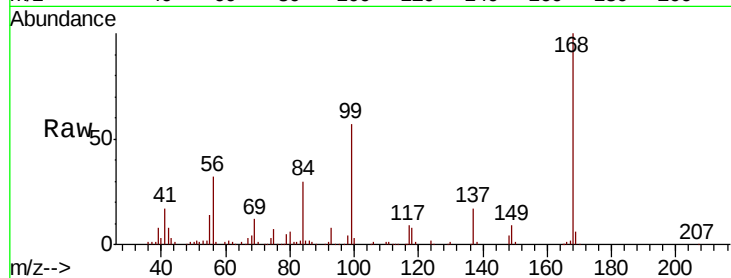
VSTDIC020

Tot Ion:168 Resp: 437549

Ion Ratio Lower Upper

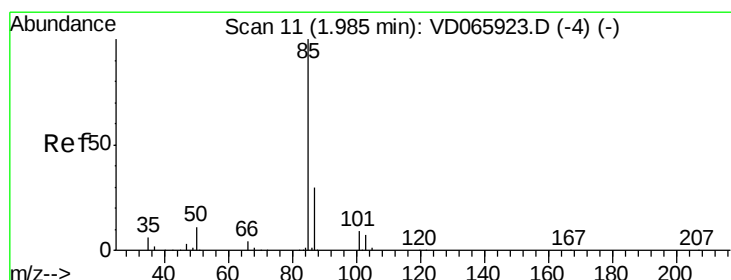
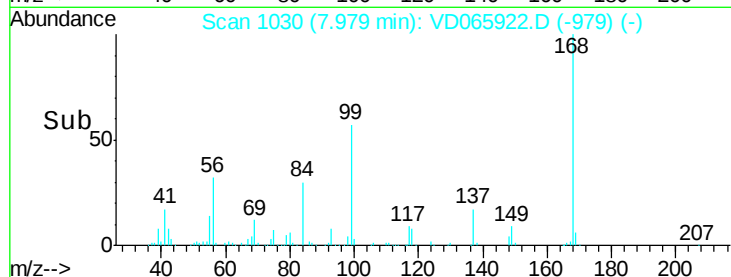
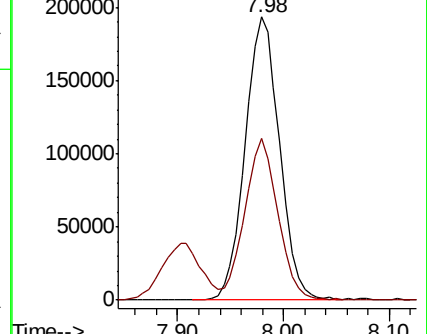
168 100

99 56.8 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.454 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065922.D

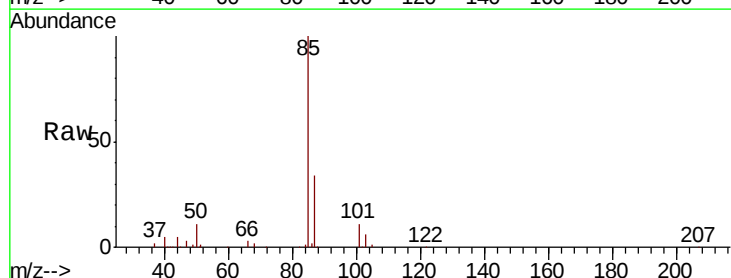
Acq: 07 Jul 2020 14:34

Tgt Ion: 85 Resp: 87344

Ion Ratio Lower Upper

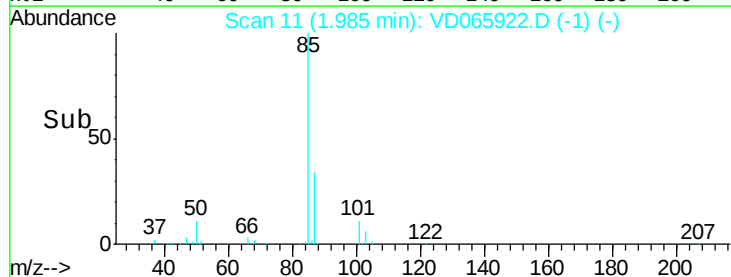
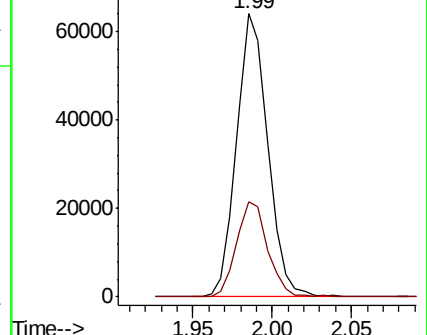
85 100

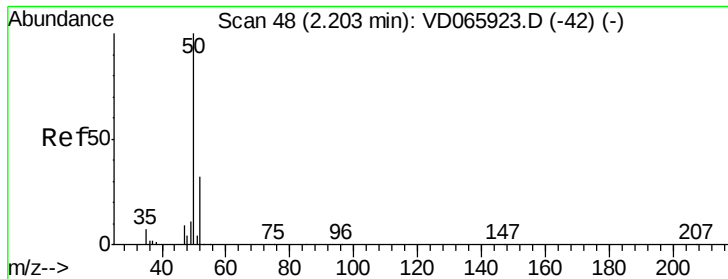
87 33.5 14.9 44.9



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.744 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

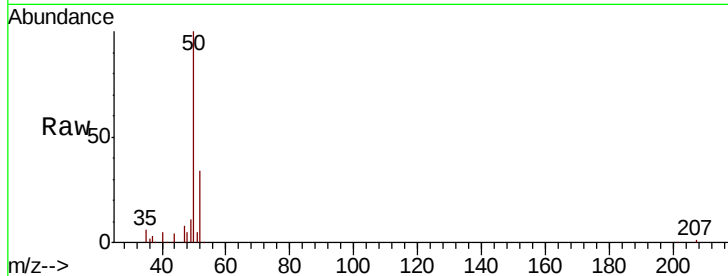
VSTDIC020

Tot Ion: 50 Resp: 83847

Ion Ratio Lower Upper

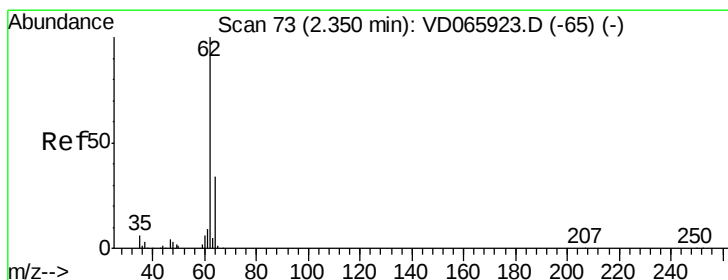
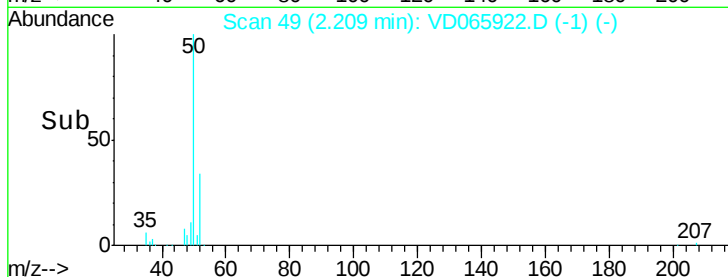
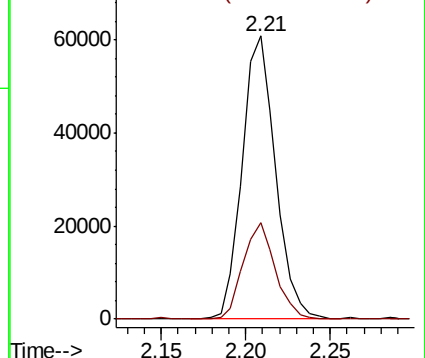
50 100

52 34.1 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.363 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065922.D

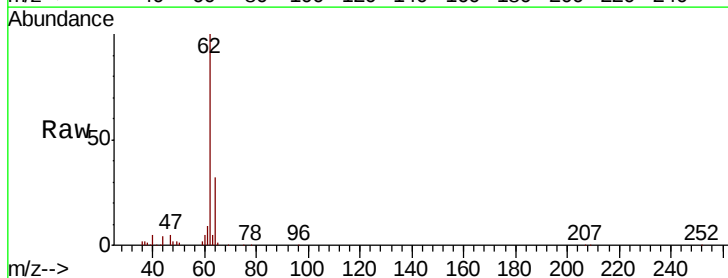
Acq: 07 Jul 2020 14:34

Tgt Ion: 62 Resp: 75637

Ion Ratio Lower Upper

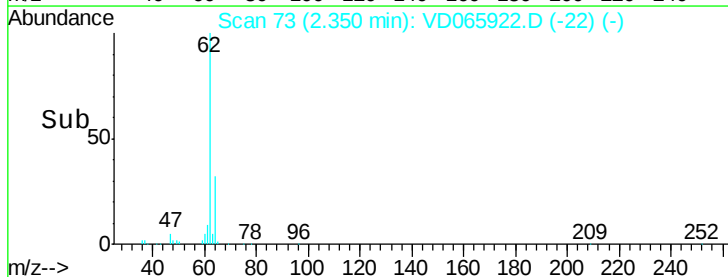
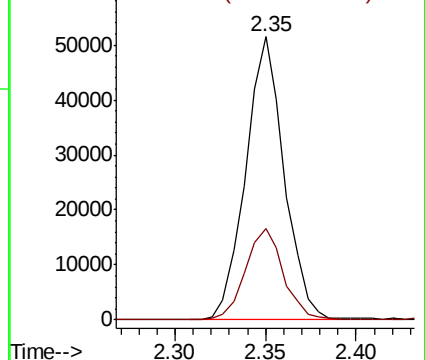
62 100

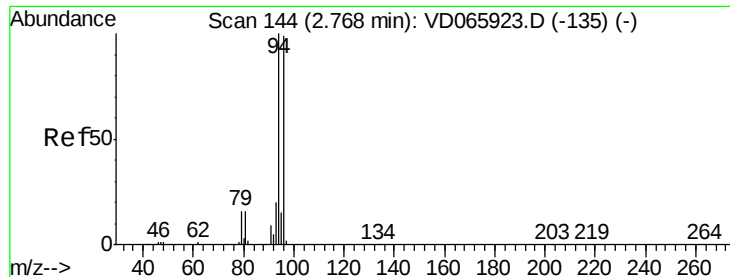
64 32.1 27.2 40.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.036 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

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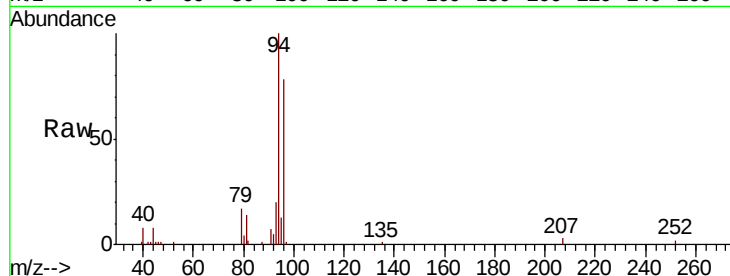
VSTDIC020

Tot Ion: 94 Resp: 47178

Ion Ratio Lower Upper

94 100

96 77.7 78.8 118.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.75

25000

20000

15000

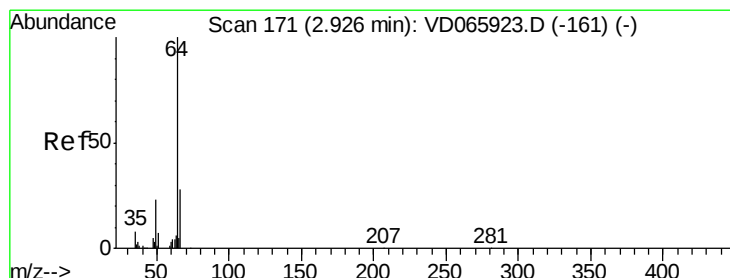
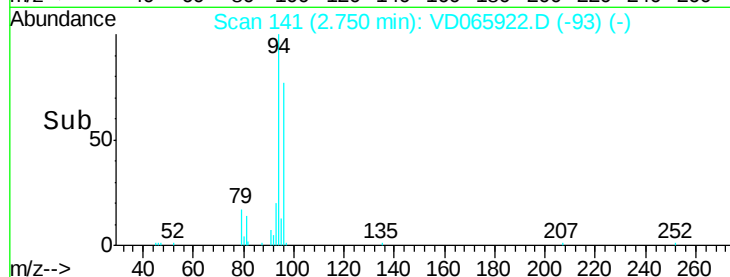
10000

5000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 21.465 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065922.D

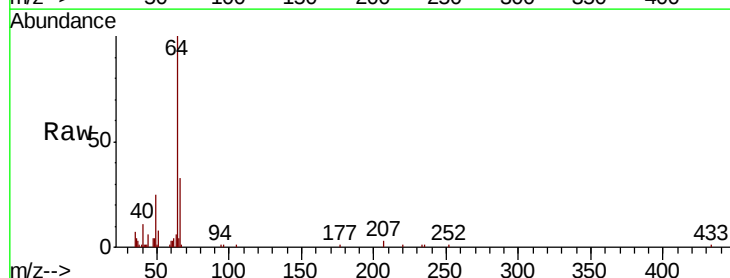
Acq: 07 Jul 2020 14:34

Tgt Ion: 64 Resp: 45431

Ion Ratio Lower Upper

64 100

66 33.4 22.6 33.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

25000

20000

15000

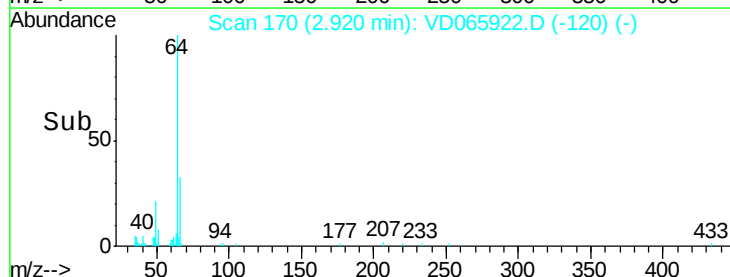
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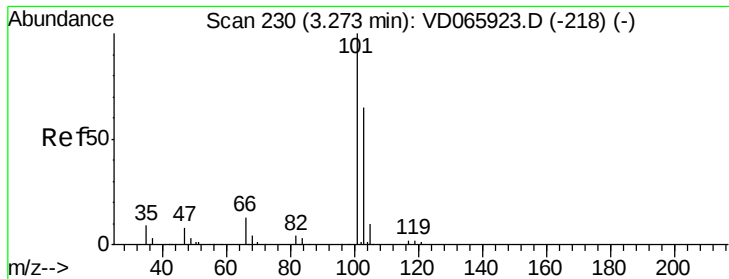
5000

0

Time-->

2.80 2.90 3.00



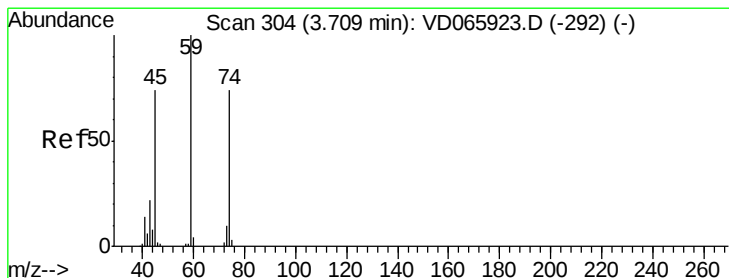
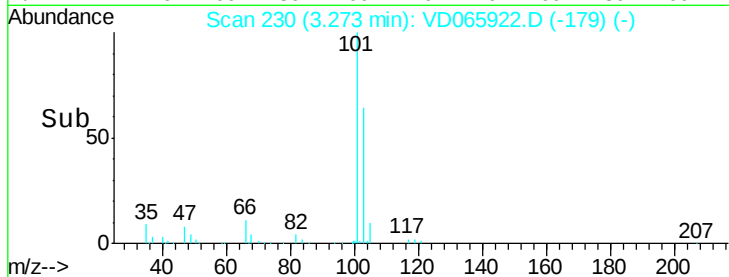
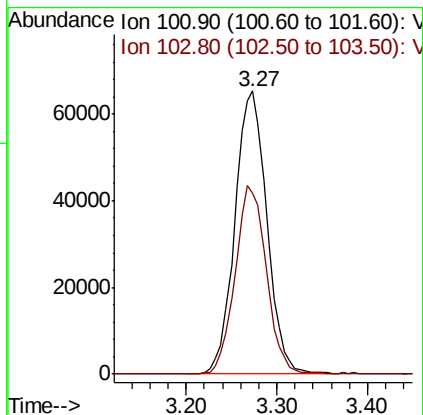
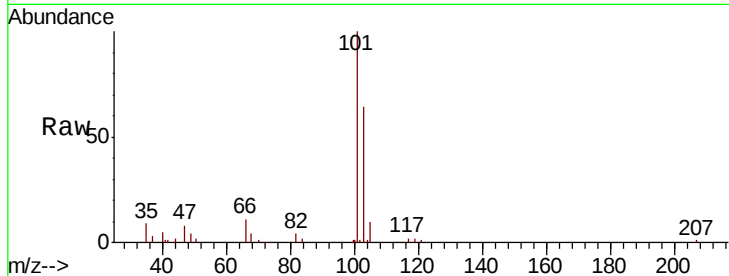


#7

Trichlorofluoromethane
 Concen: 21.062 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

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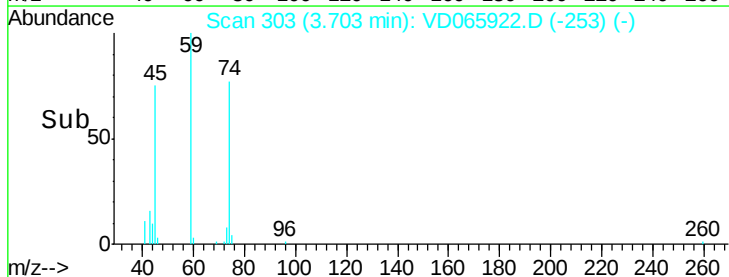
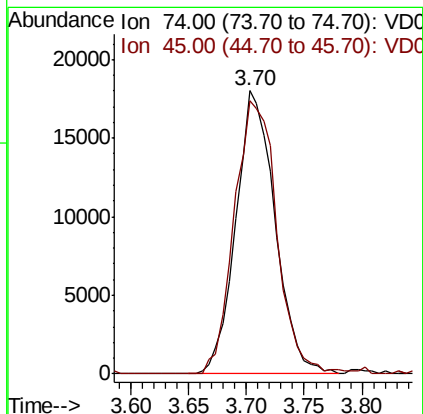
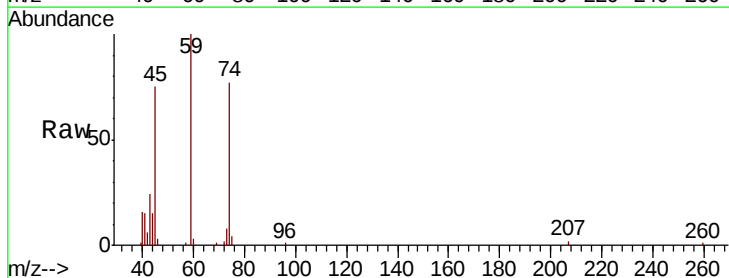
Tot Ion:101 Resp: 159829
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.7 77.5

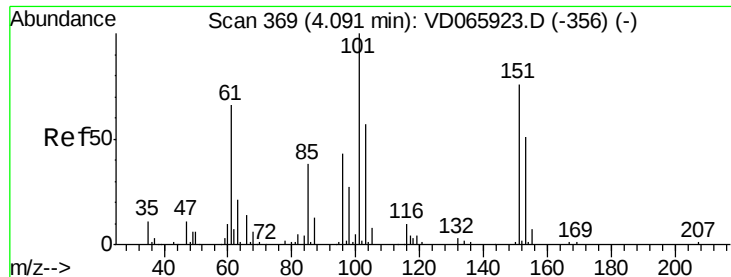


#8

Diethyl Ether
 Concen: 20.450 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Tgt Ion: 74 Resp: 42574
 Ion Ratio Lower Upper
 74 100
 45 104.5 51.1 153.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.914 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

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VSTDIC020

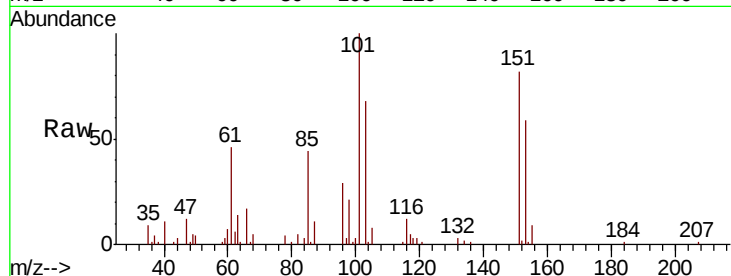
Tot Ion:101 Resp: 94930

Ion Ratio Lower Upper

101 100

85 43.2 33.8 50.8

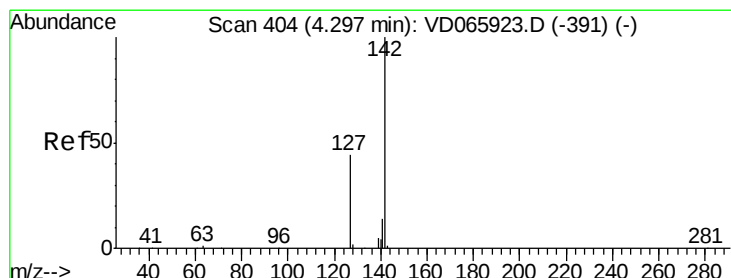
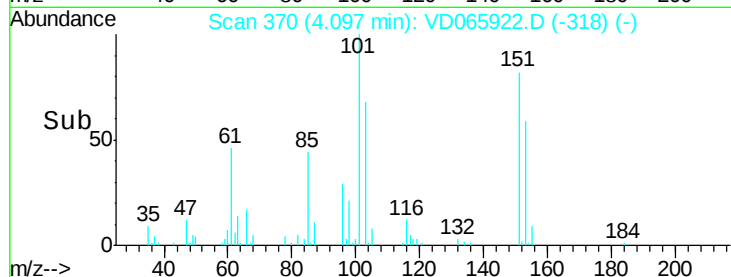
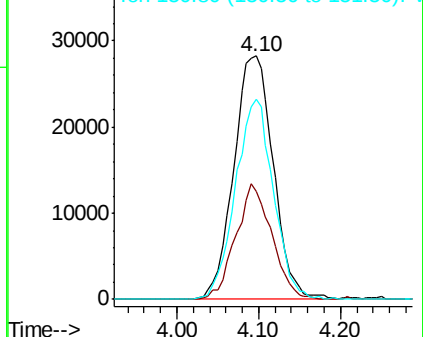
151 78.9 64.1 96.1



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: 18.906 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

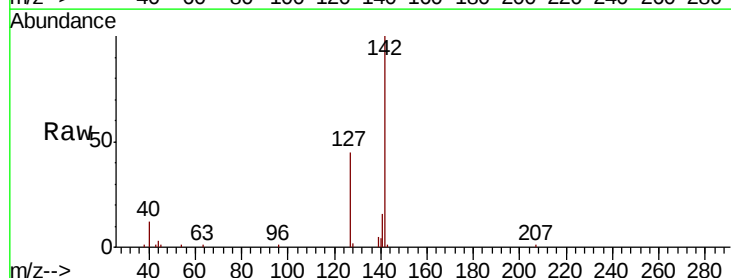
Tgt Ion:142 Resp: 81500

Ion Ratio Lower Upper

142 100

127 44.4 34.6 51.8

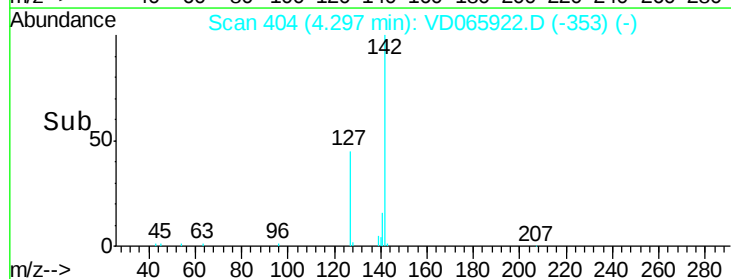
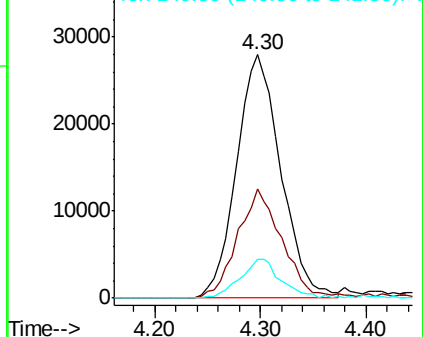
141 14.6 11.6 17.4

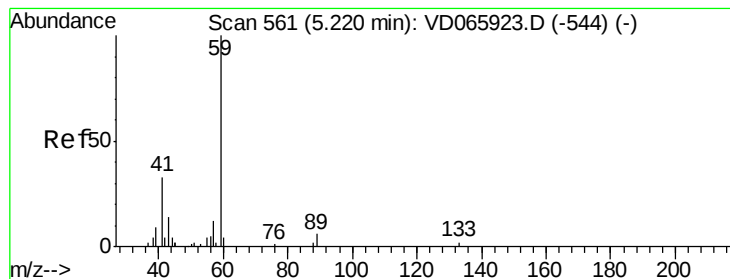


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



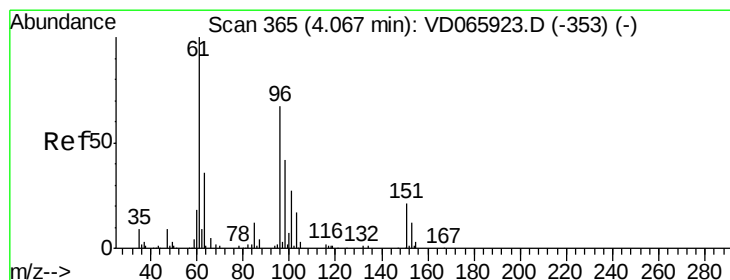
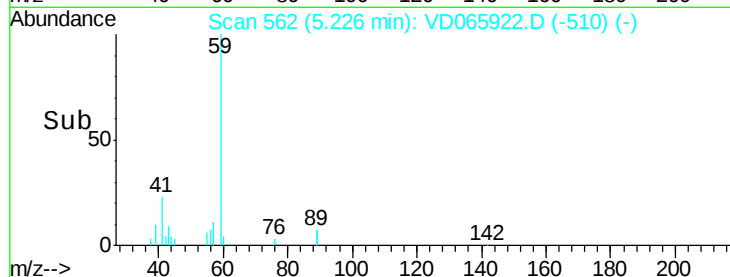
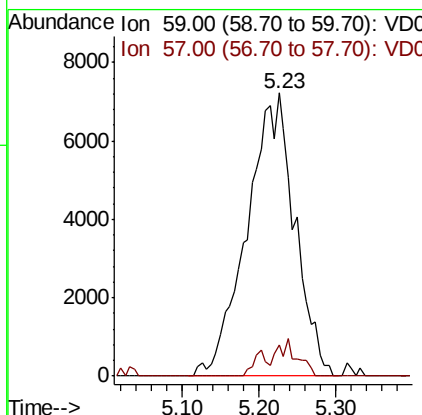
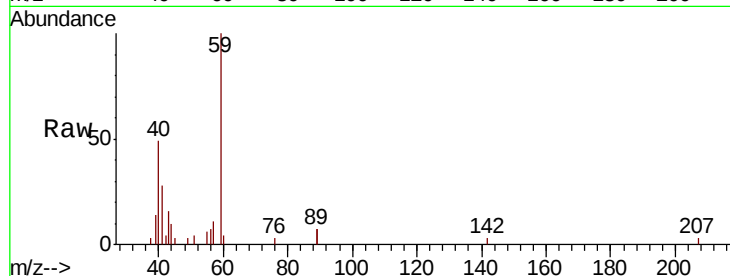


#11

Tert butyl alcohol
 Concen: 113.249 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

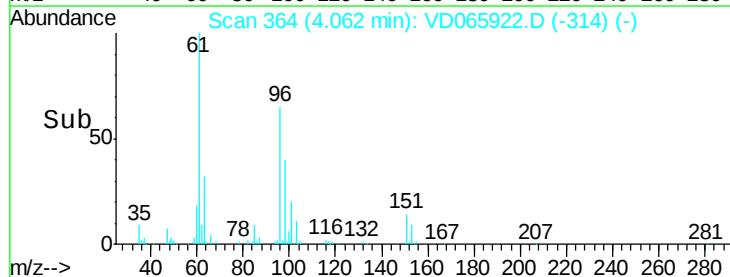
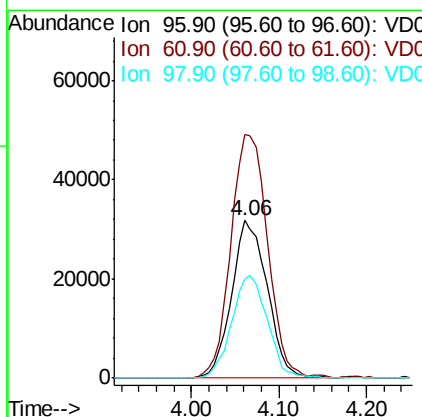
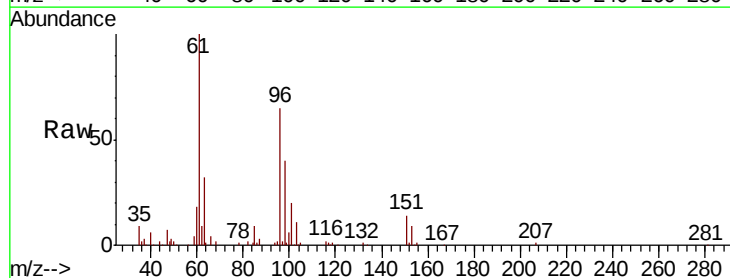
Tot Ion: 59 Resp: 31109
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

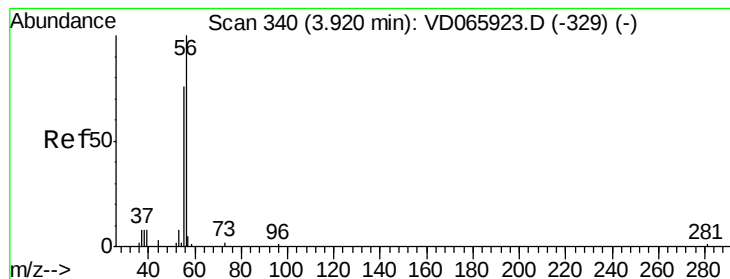


#12

1,1-Dichloroethene
 Concen: 20.730 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Tgt Ion: 96 Resp: 87905
 Ion Ratio Lower Upper
 96 100
 61 154.8 120.2 180.2
 98 62.7 50.6 76.0





#13

Acrolein

Concen: 122.261 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

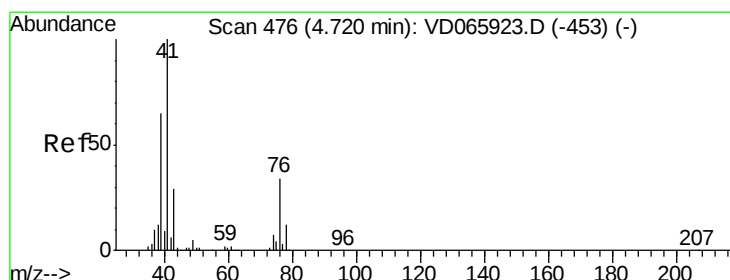
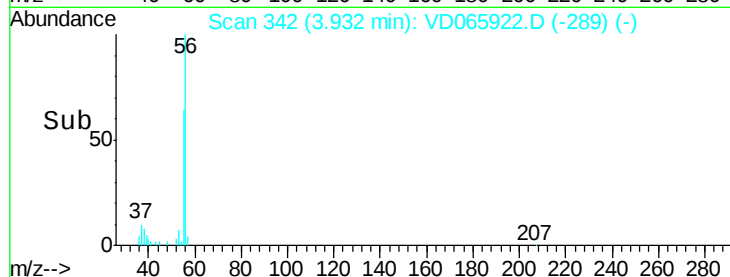
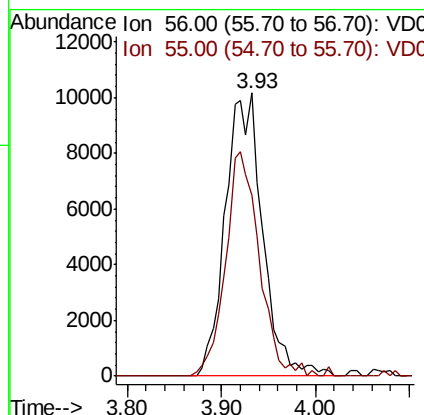
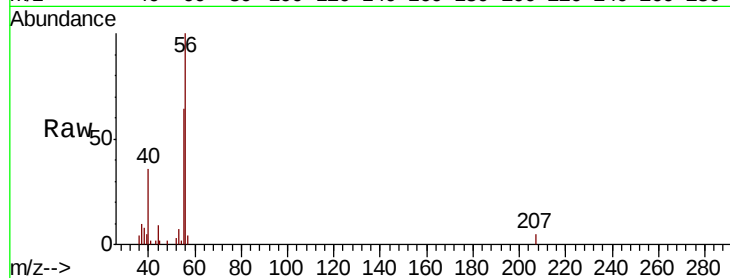
VSTDIC020

Tot Ion: 56 Resp: 27971

Ion Ratio Lower Upper

56 100

55 71.9 55.0 82.6



#14

Allyl chloride

Concen: 20.701 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

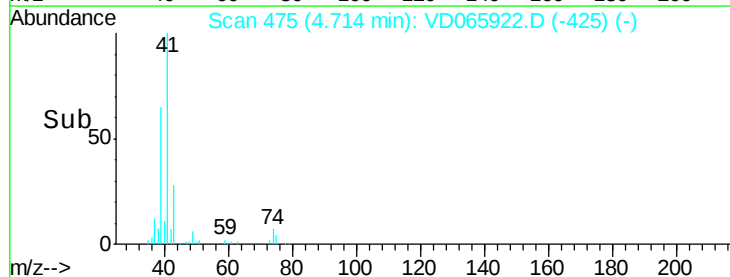
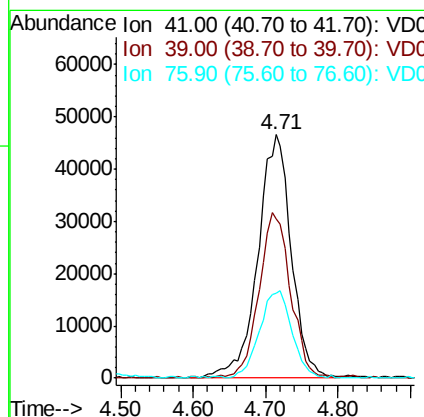
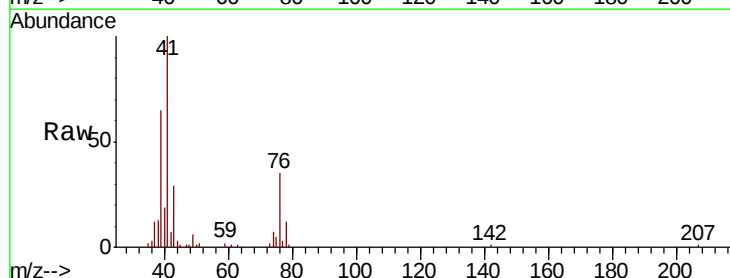
Tgt Ion: 41 Resp: 148761

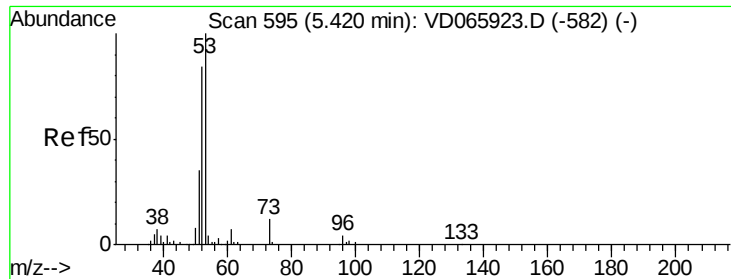
Ion Ratio Lower Upper

41 100

39 64.7 52.2 78.4

76 34.9 28.1 42.1





#15

Acrylonitrile

Concen: 104.230 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

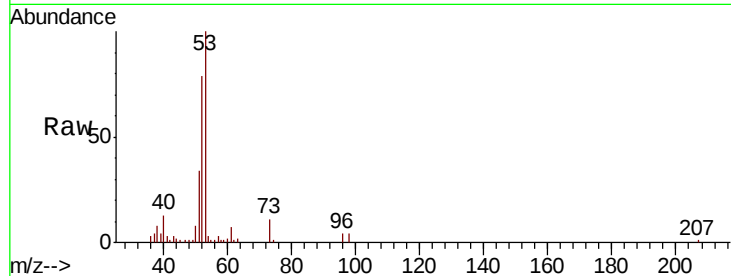
Tot Ion: 53 Resp: 95004

Ion Ratio Lower Upper

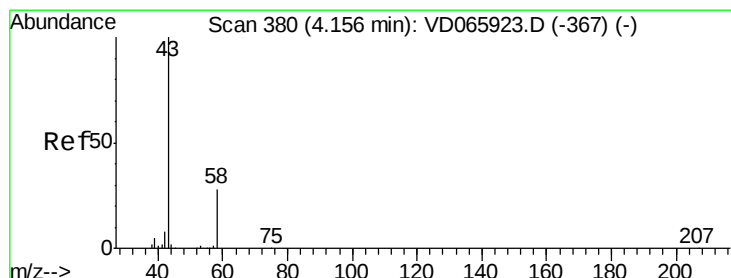
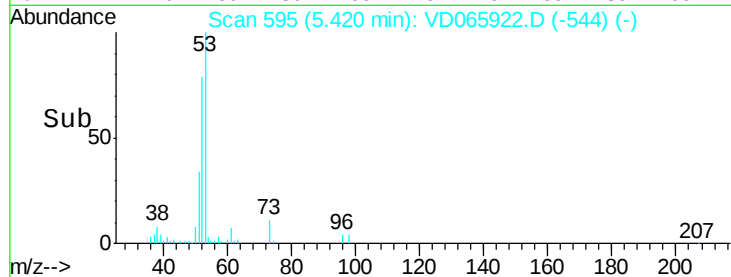
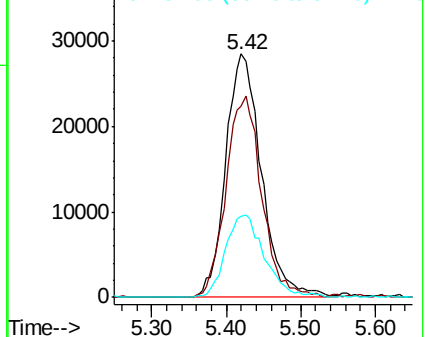
53 100

52 82.4 66.3 99.5

51 36.3 29.8 44.8



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



#16

Acetone

Concen: 100.590 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD065922.D

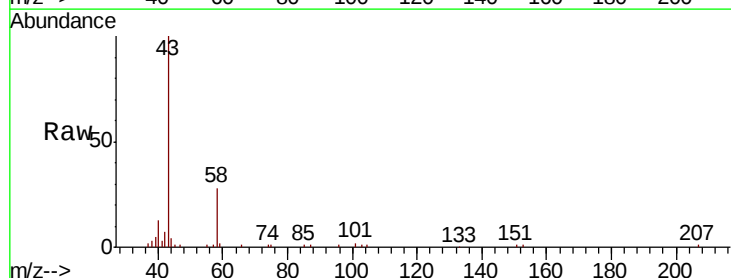
Acq: 07 Jul 2020 14:34

Tgt Ion: 43 Resp: 91413

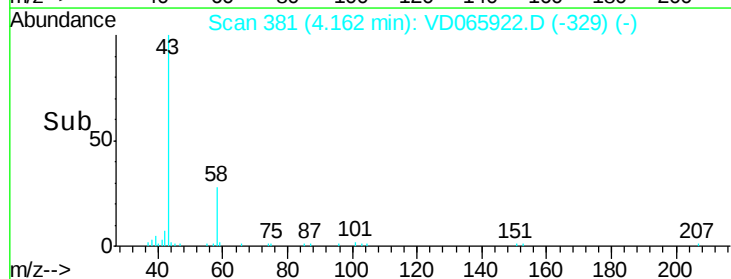
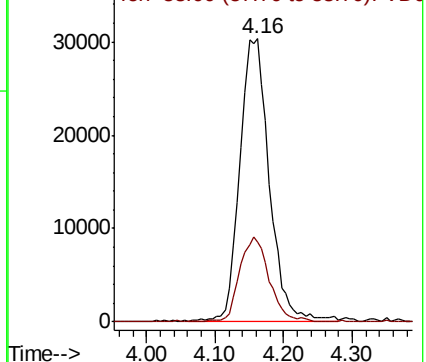
Ion Ratio Lower Upper

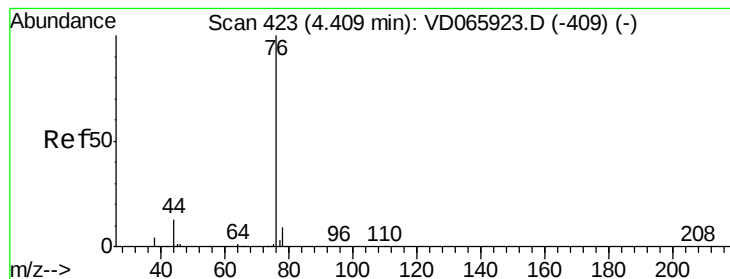
43 100

58 28.0 22.7 34.1



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





#17

Carbon Disulfide

Concen: 20.937 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

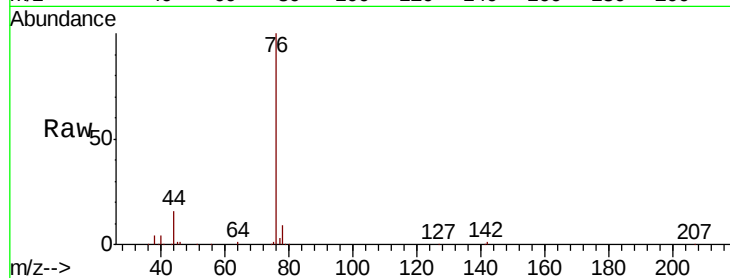
VSTDIC020

Tot Ion: 76 Resp: 282893

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

100000

80000

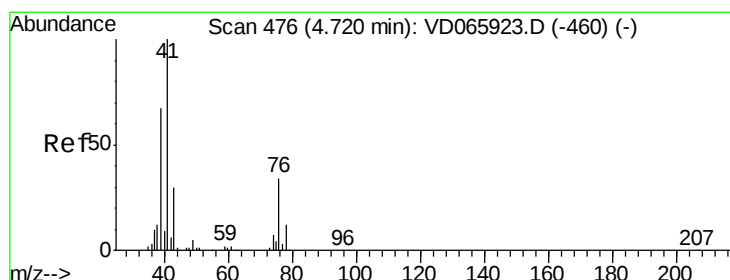
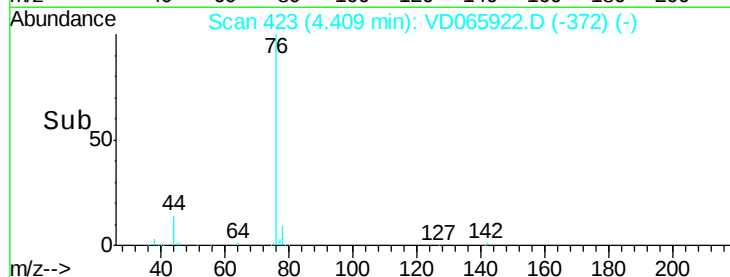
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 19.942 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD065922.D

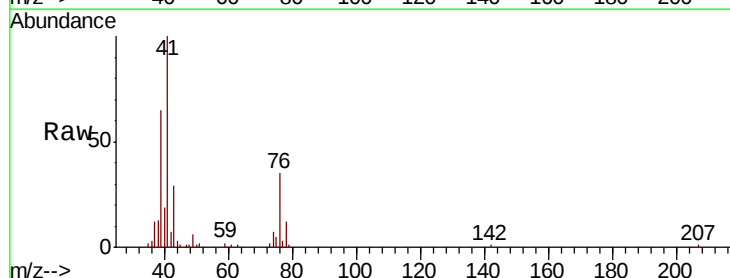
Acq: 07 Jul 2020 14:34

Tgt Ion: 43 Resp: 42482

Ion Ratio Lower Upper

43 100

74 23.3 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

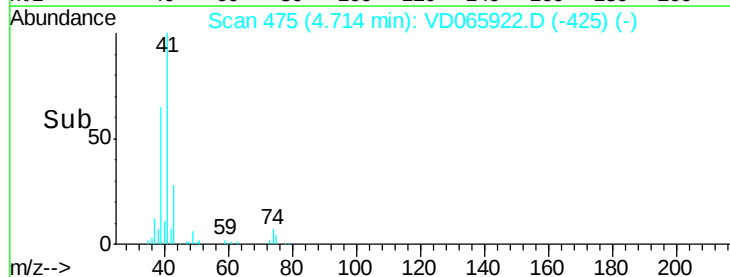
15000

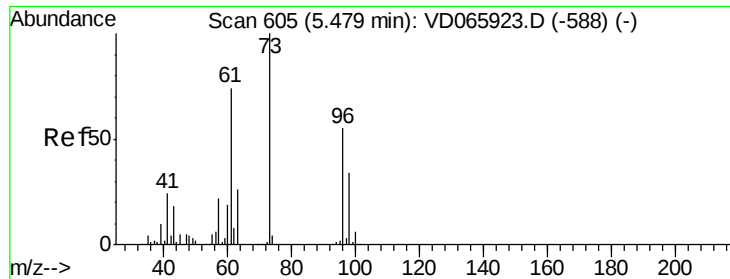
10000

5000

0

Time-->

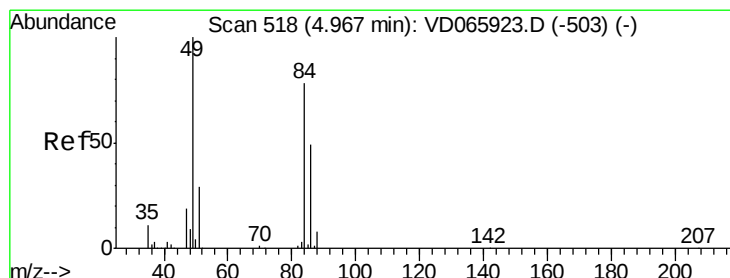
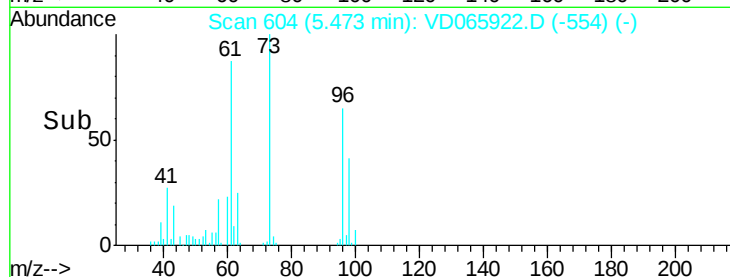
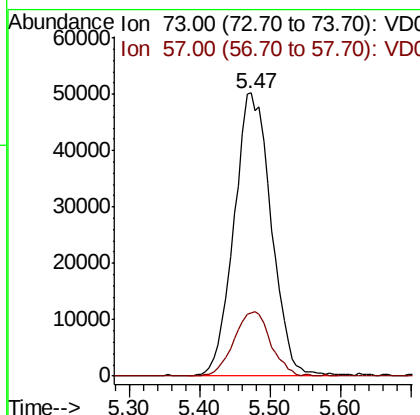
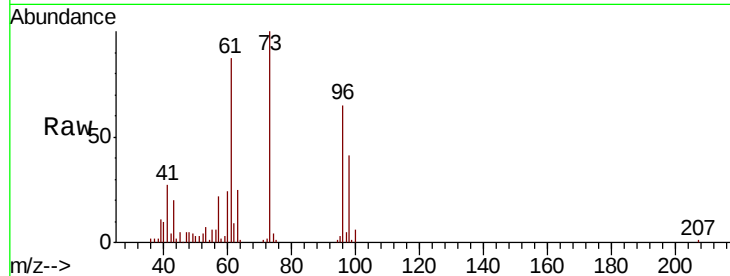




#19
Methyl tert-butyl Ether
Concen: 20.545 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

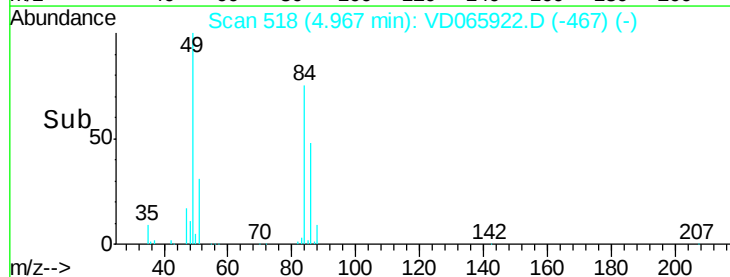
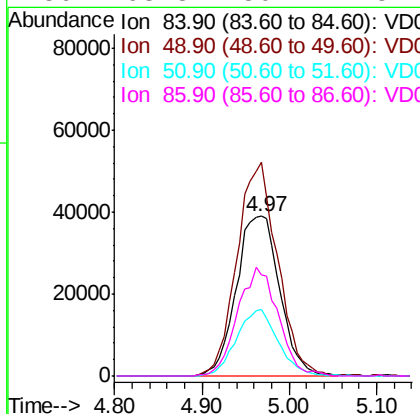
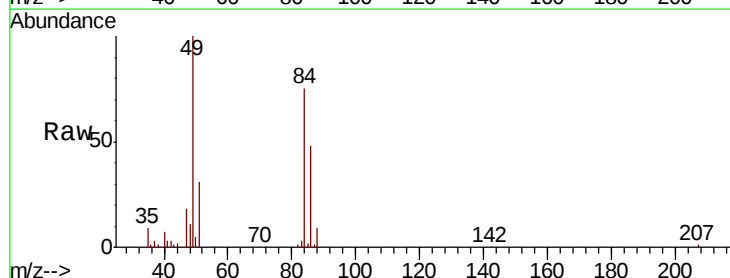
Instrument :
MSVOA_D
ClientSampleID :
VSTDIC020

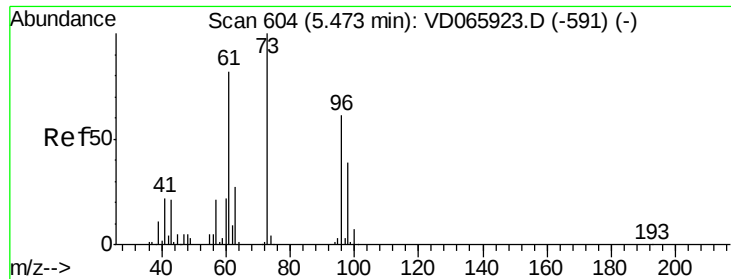
Tot Ion: 73 Resp: 184441
Ion Ratio Lower Upper
73 100
57 22.3 17.7 26.5



#20
Methylene Chloride
Concen: 20.353 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion: 84 Resp: 131388
Ion Ratio Lower Upper
84 100
49 133.9 102.2 153.2
51 41.9 29.8 44.6
86 63.8 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 20.436 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

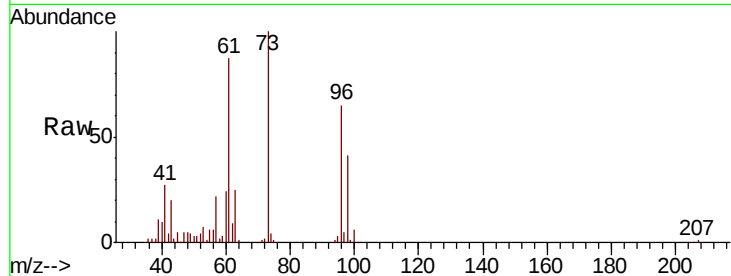
Tot Ion: 96 Resp: 97500

Ion Ratio Lower Upper

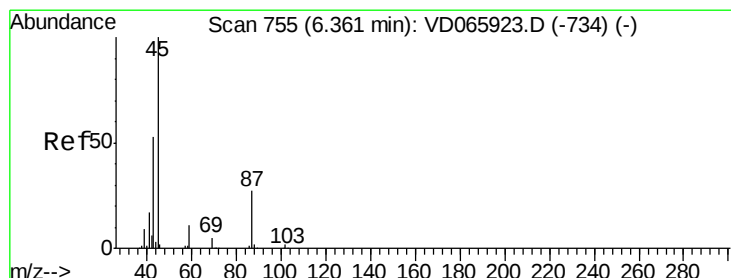
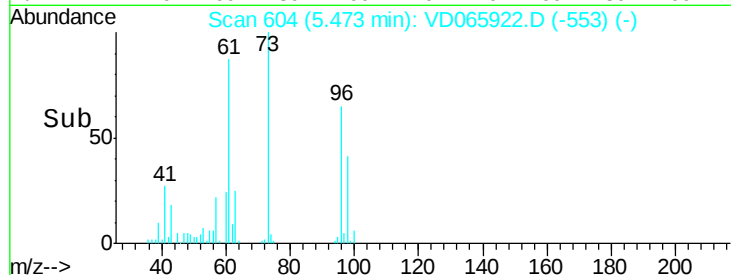
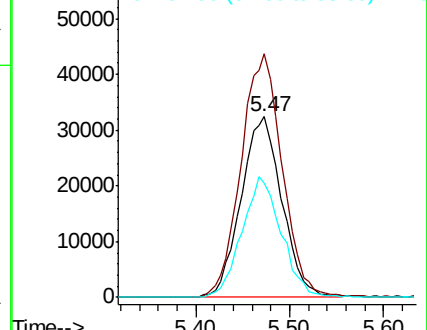
96 100

61 134.9 106.6 160.0

98 63.5 51.0 76.6



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: 20.840 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Tgt Ion: 45 Resp: 281433

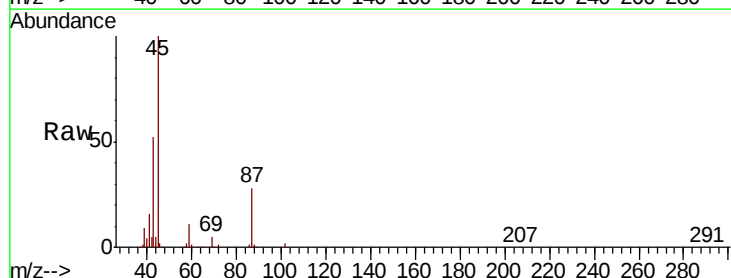
Ion Ratio Lower Upper

45 100

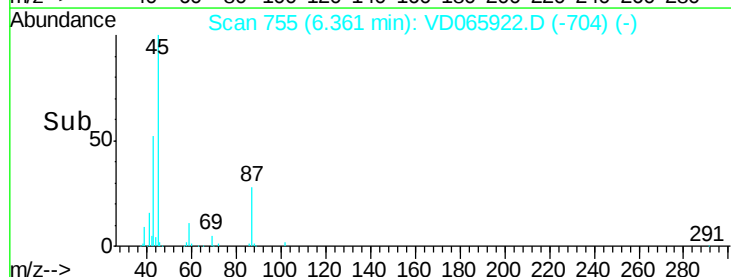
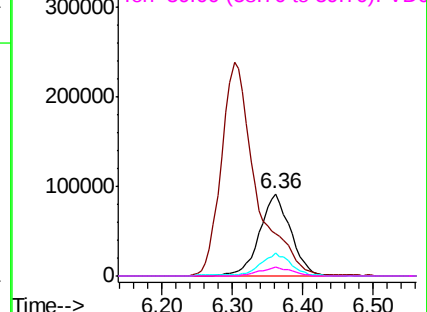
43 50.5 42.5 63.7

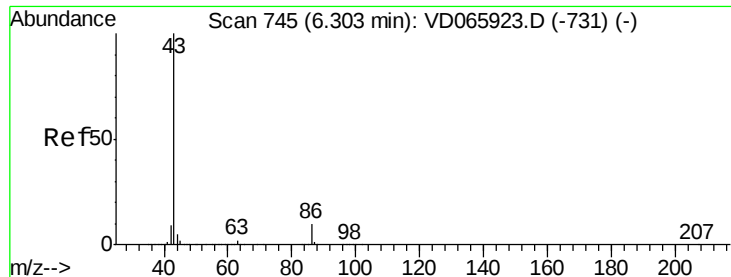
87 27.9 22.2 33.2

59 10.9 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: 105.013 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

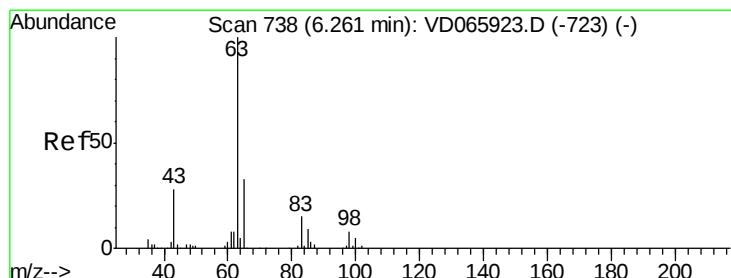
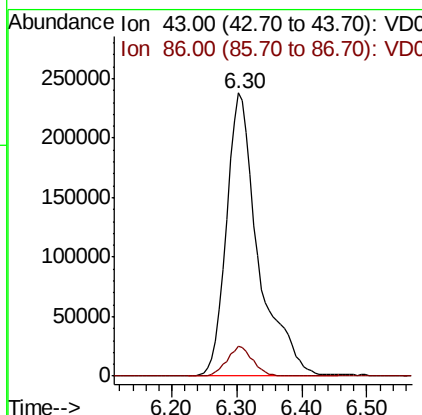
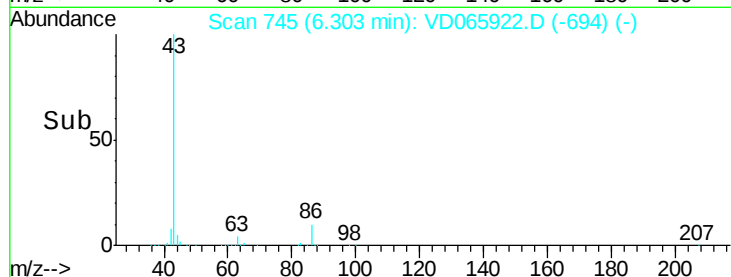
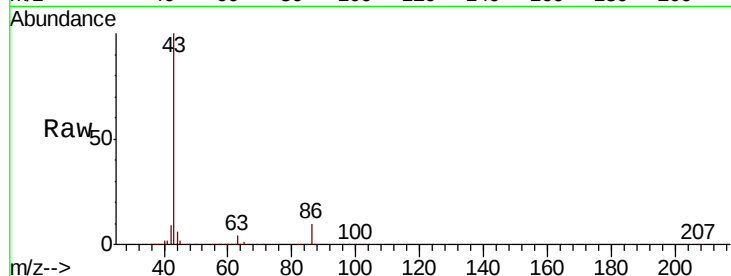
VSTDIC020

Tot Ion: 43 Resp: 809482

Ion Ratio Lower Upper

43 100

86 10.5 8.1 12.1



#24

1,1-Dichloroethane

Concen: 20.602 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

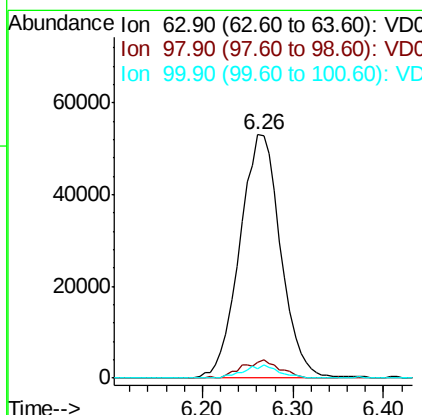
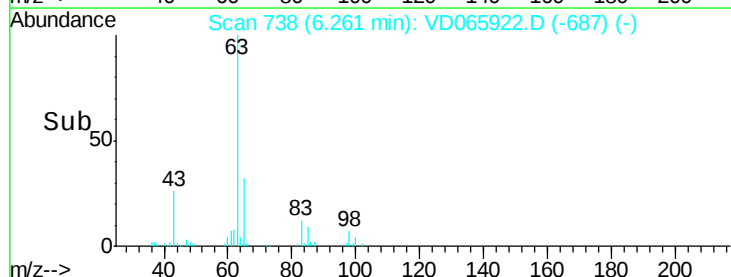
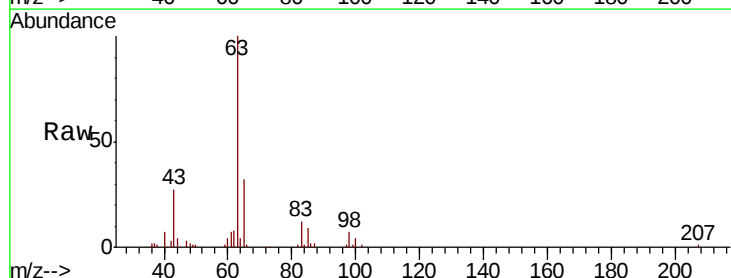
Tgt Ion: 63 Resp: 165903

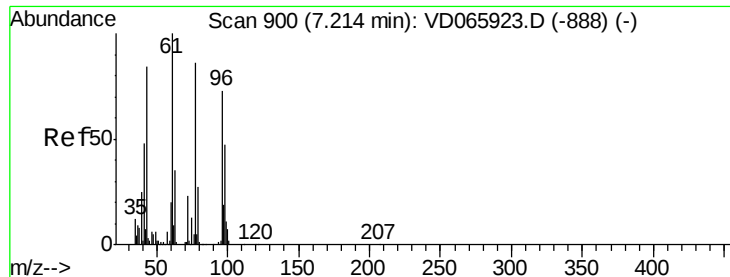
Ion Ratio Lower Upper

63 100

98 6.7 3.8 11.4

100 4.0 2.5 7.5





#25

2-Butanone

Concen: 99.809 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

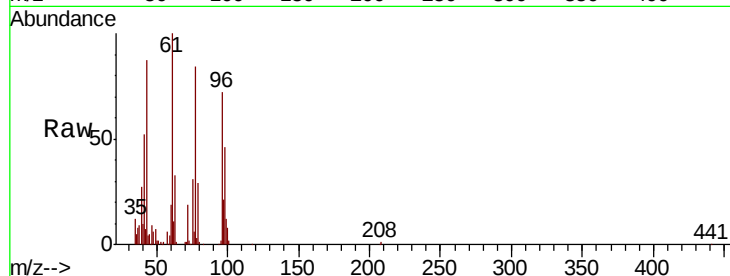
VSTDIC020

Tot Ion: 43 Resp: 119856

Ion Ratio Lower Upper

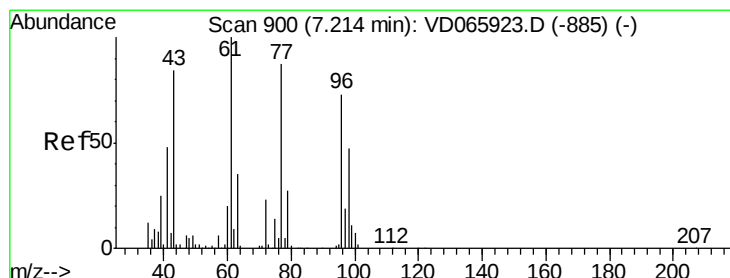
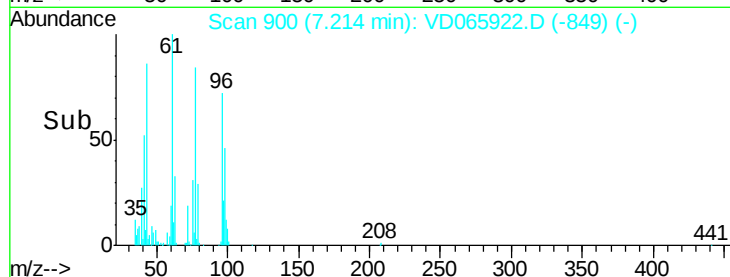
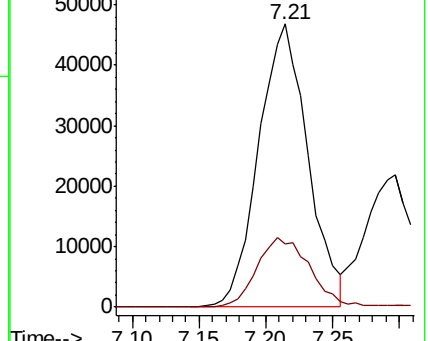
43 100

72 22.2 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.357 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065922.D

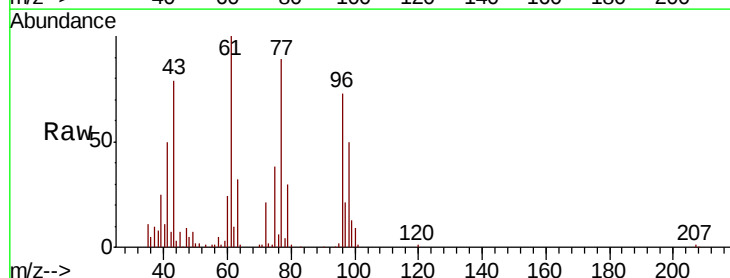
Acq: 07 Jul 2020 14:34

Tgt Ion: 77 Resp: 143409

Ion Ratio Lower Upper

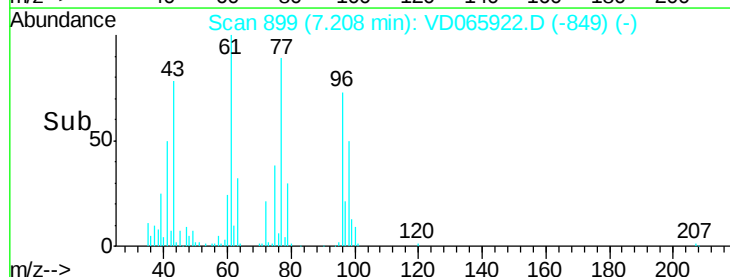
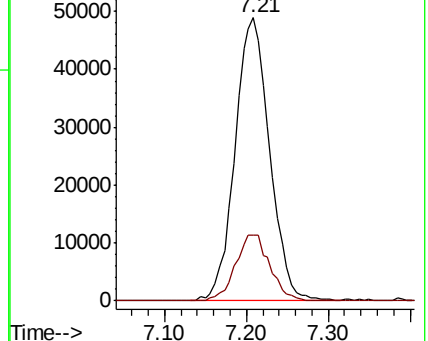
77 100

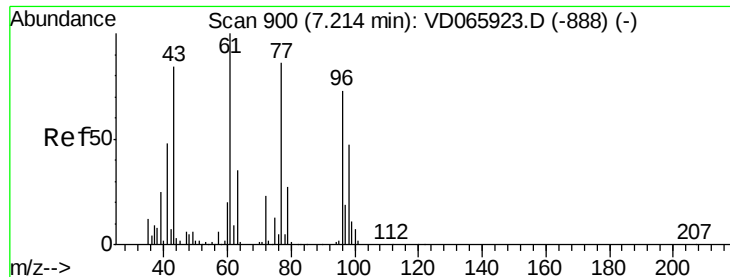
97 23.3 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



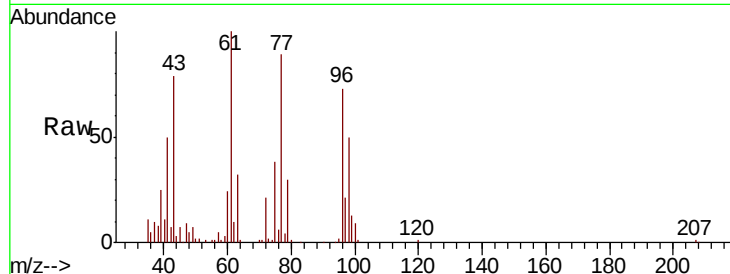


#27

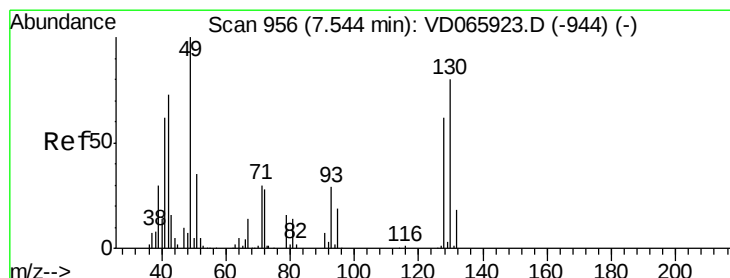
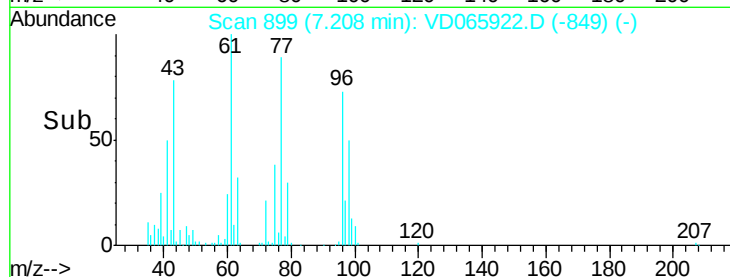
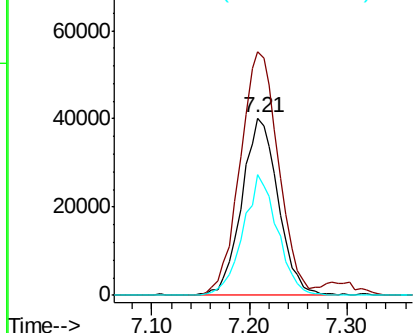
cis-1,2-Dichloroethene
 Concen: 20.466 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 96 Resp: 104911
 Ion Ratio Lower Upper
 96 100
 61 145.7 0.0 286.6
 98 64.4 0.0 128.2



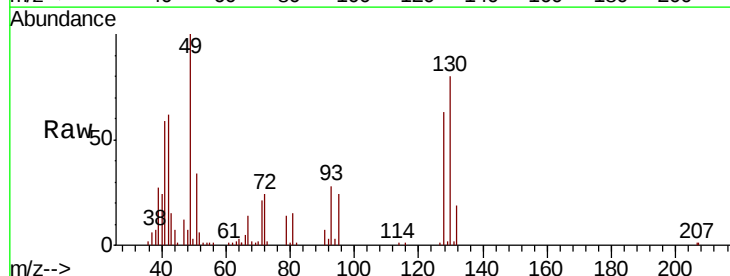
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



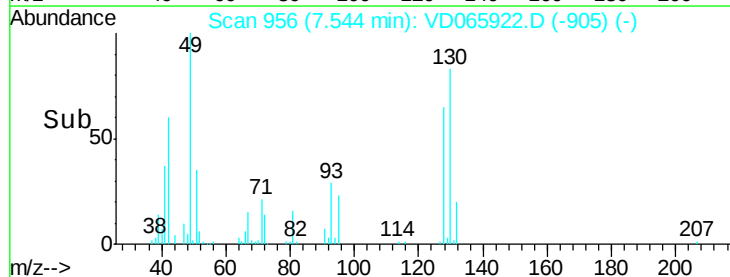
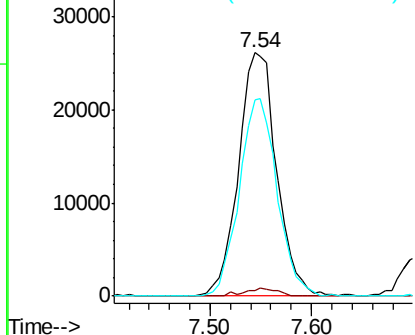
#28

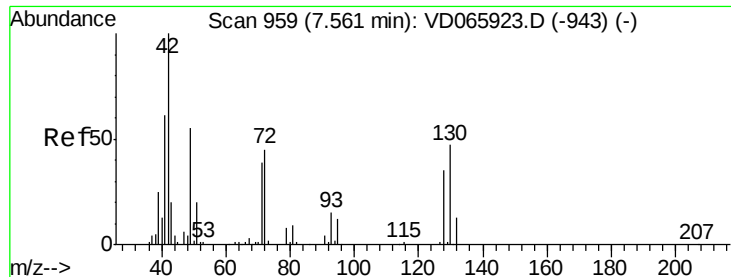
Bromochloromethane
 Concen: 22.341 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Tgt Ion: 49 Resp: 67961
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 4.8
 130 80.6 65.8 98.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC

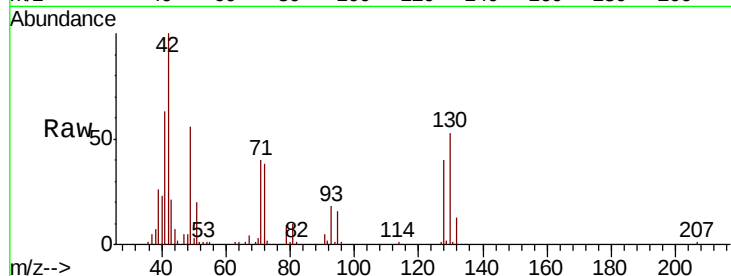




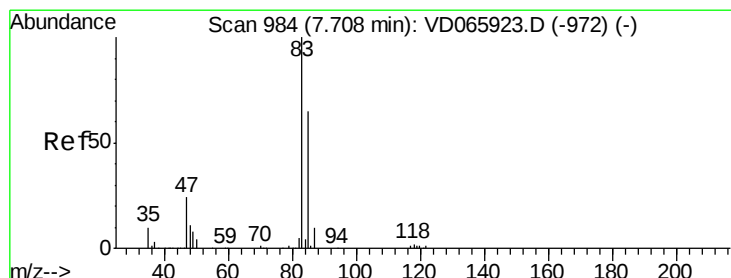
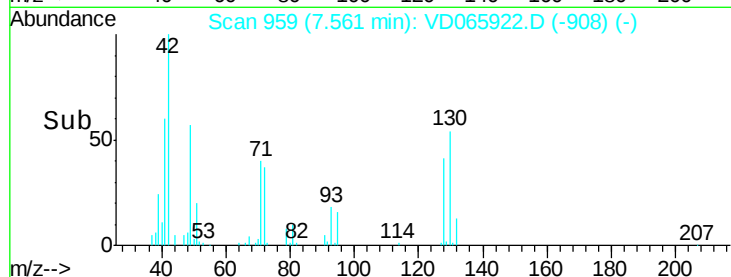
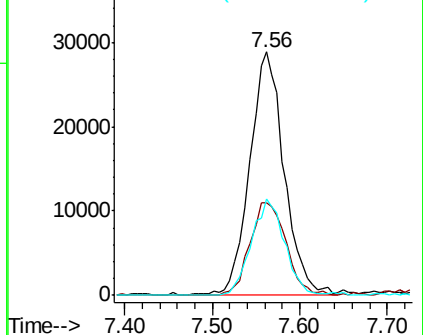
#29
Tetrahydrofuran
Concen: 101.920 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 42 Resp: 77826
Ion Ratio Lower Upper
42 100
72 40.0 32.8 49.2
71 37.8 31.0 46.4

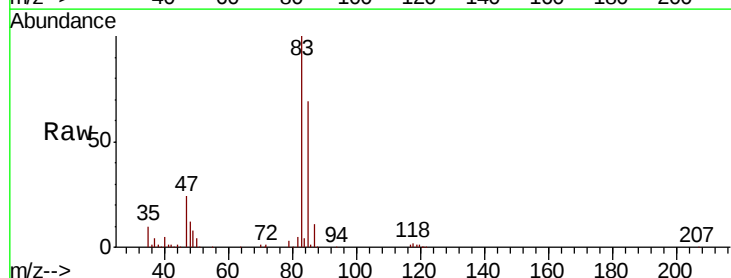


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

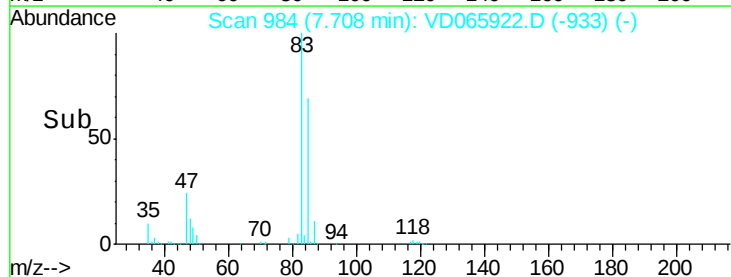
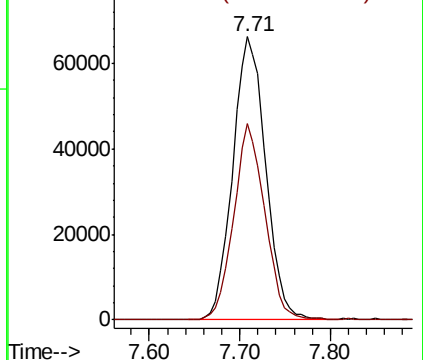


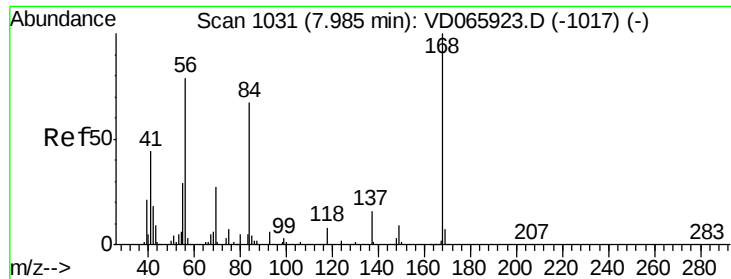
#30
Chloroform
Concen: 20.472 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion: 83 Resp: 167123
Ion Ratio Lower Upper
83 100
85 69.2 51.6 77.4



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

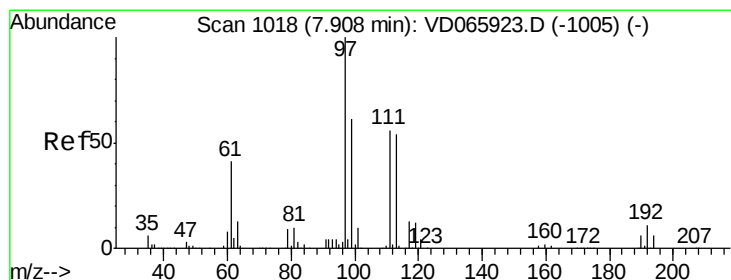
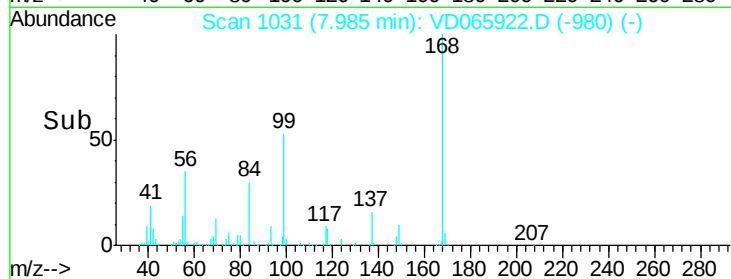
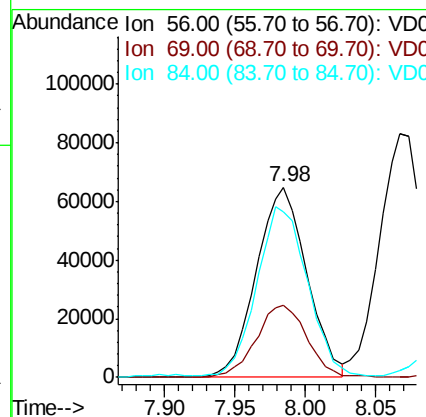
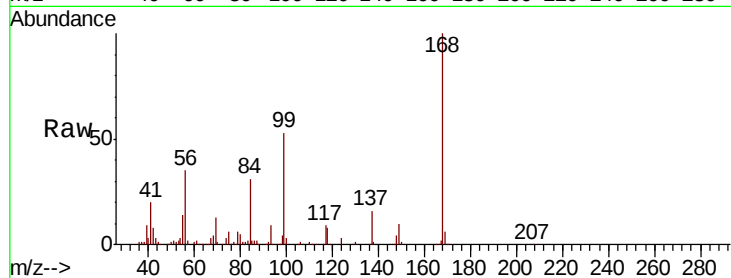




#31
Cyclohexane
Concen: 20.461 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

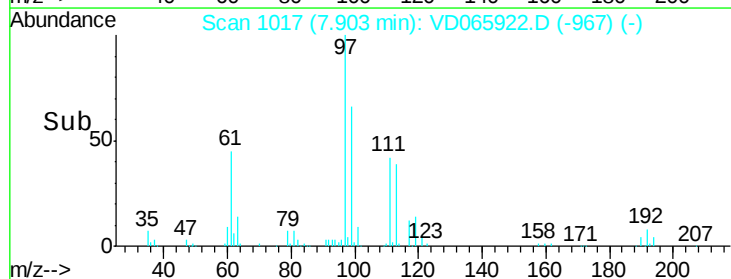
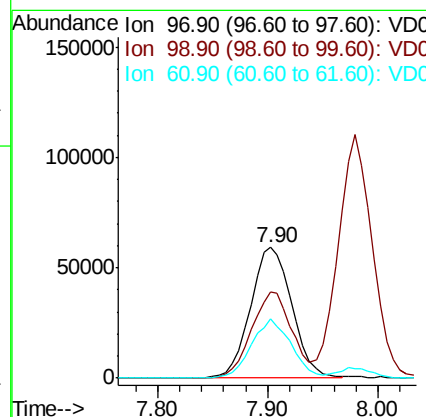
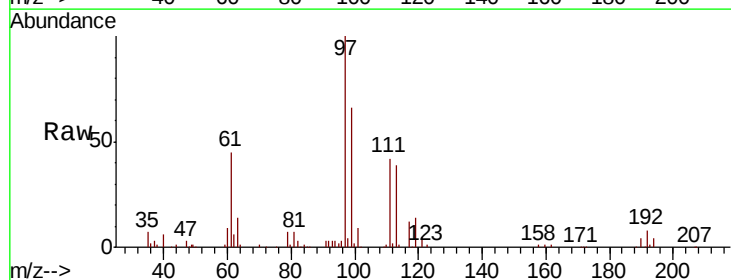
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

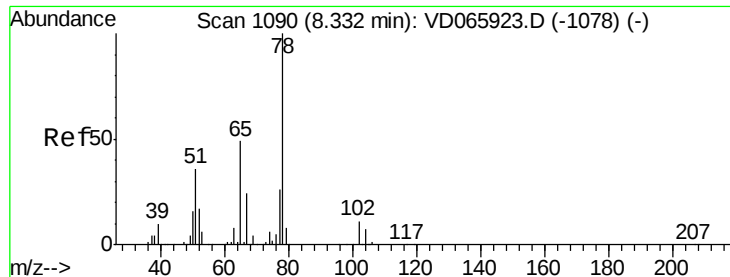
Tot Ion: 56 Resp: 162111
Ion Ratio Lower Upper
56 100
69 37.7 27.4 41.0
84 86.0 68.6 102.8



#32
1,1,1-Trichloroethane
Concen: 20.869 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion: 97 Resp: 155478
Ion Ratio Lower Upper
97 100
99 64.1 51.6 77.4
61 43.2 33.6 50.4

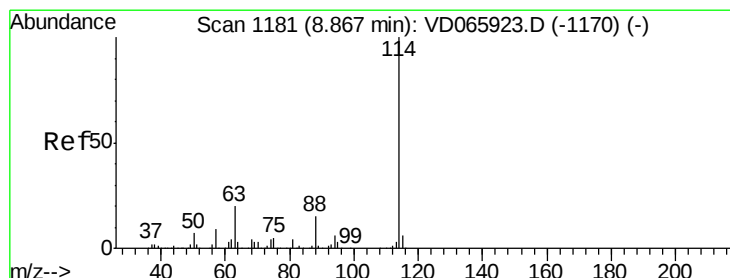
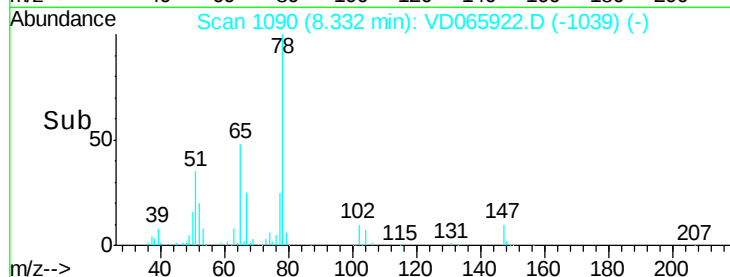
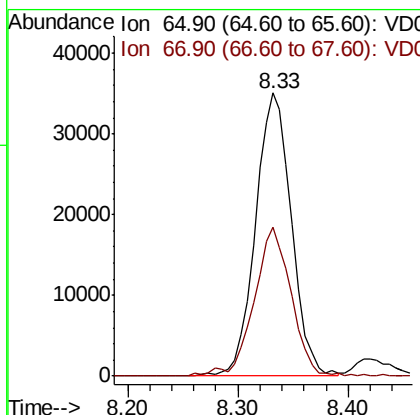
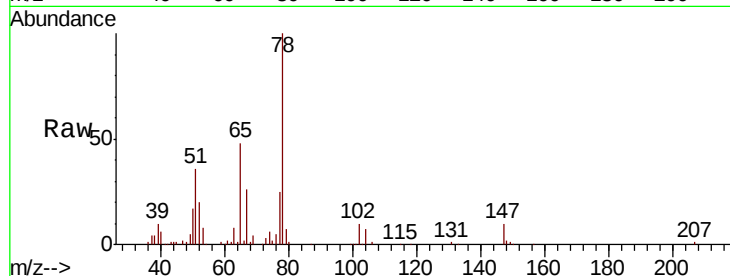




#33
 1,2-Dichloroethane-d4
 Concen: 20.590 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

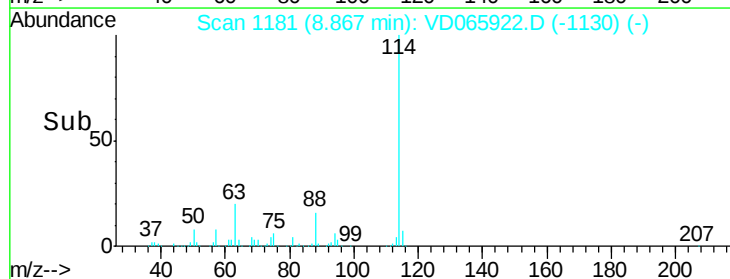
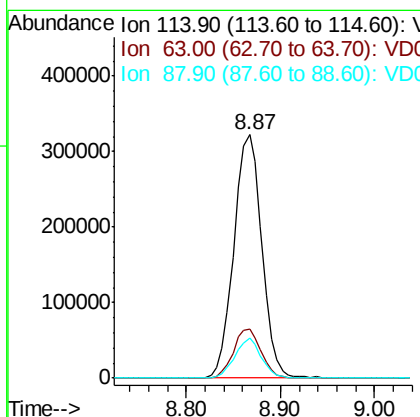
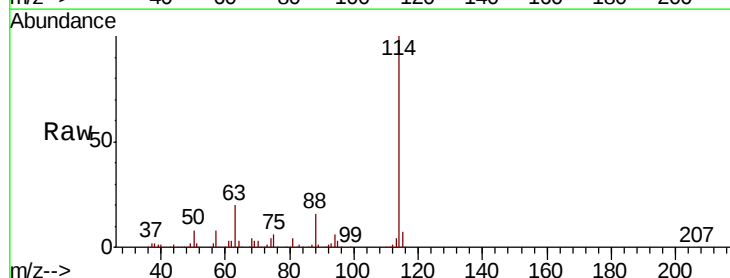
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

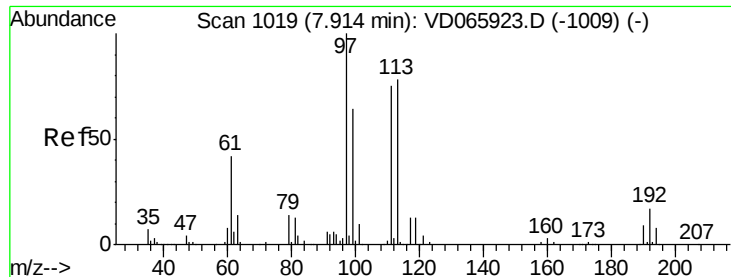
Tot Ion: 65 Resp: 79842
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Tgt Ion: 114 Resp: 665987
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.2
 88 16.3 0.0 30.0

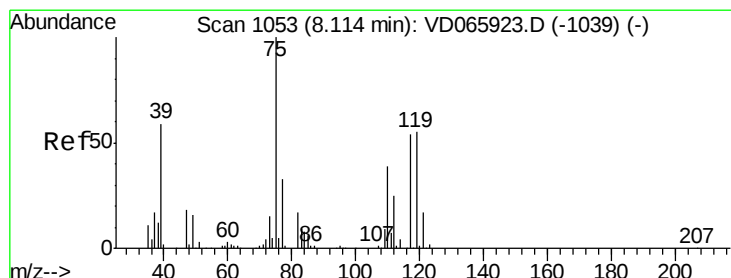
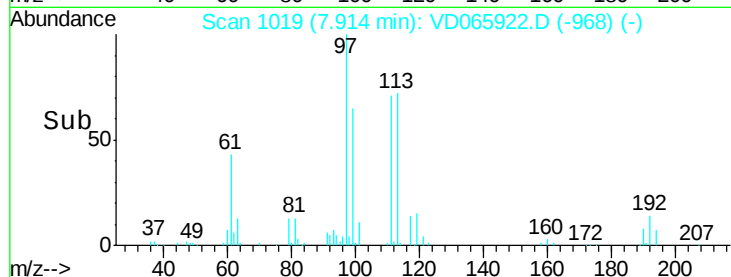
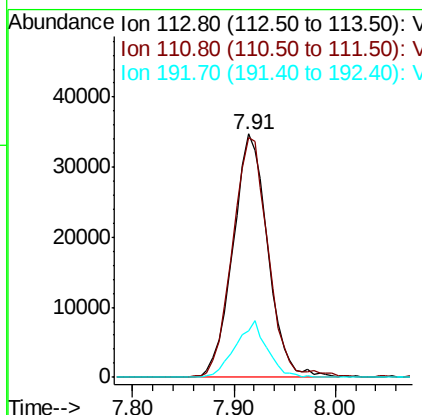
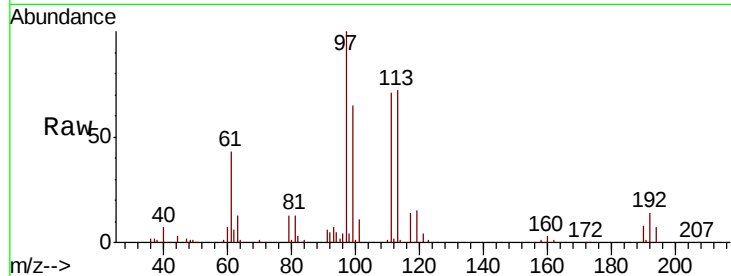




#35
 Dibromofluoromethane
 Concen: 20.171 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

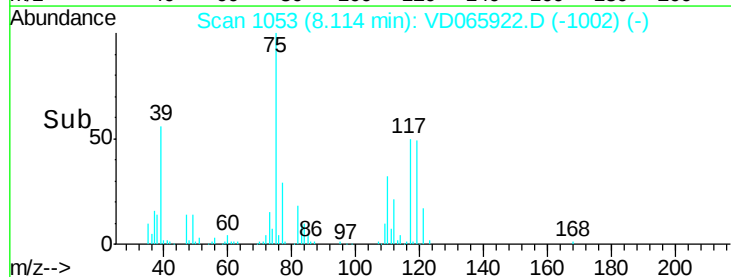
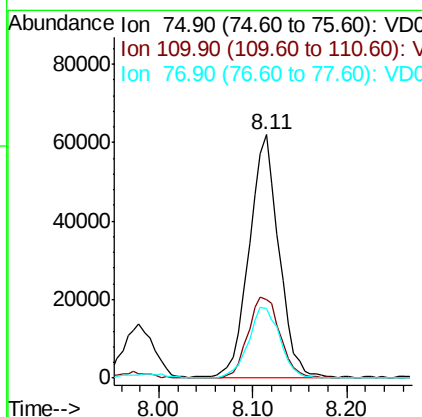
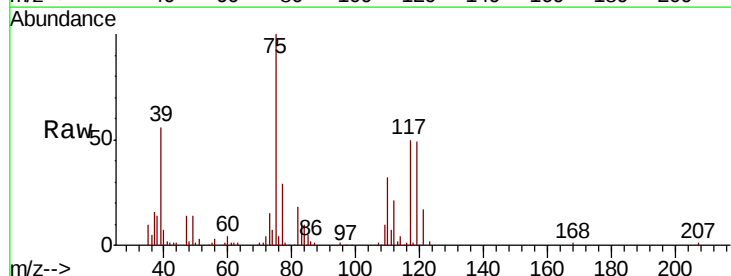
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

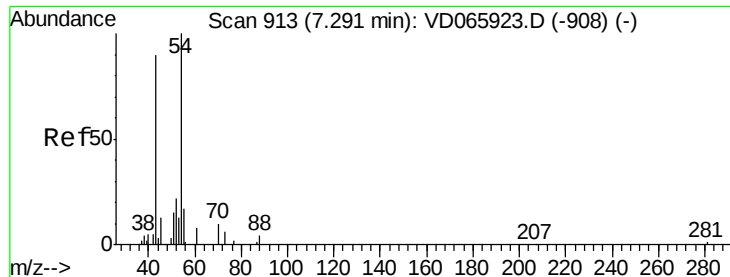
Tot Ion:113 Resp: 82872
 Ion Ratio Lower Upper
 113 100
 111 101.3 80.9 121.3
 192 21.0 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 20.575 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Tgt Ion: 75 Resp: 135331
 Ion Ratio Lower Upper
 75 100
 110 35.8 18.5 55.5
 77 30.9 25.6 38.4

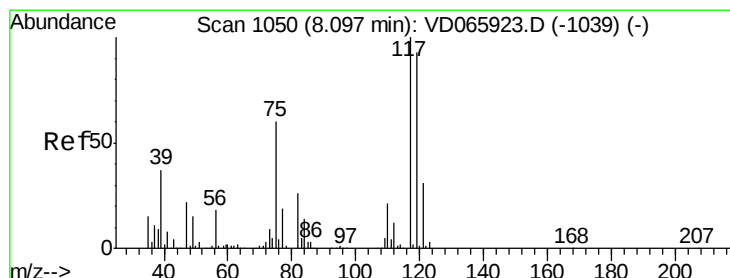
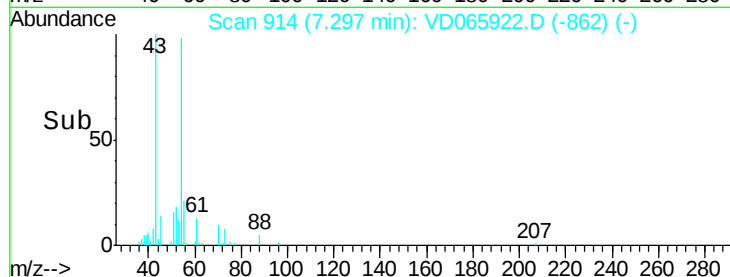
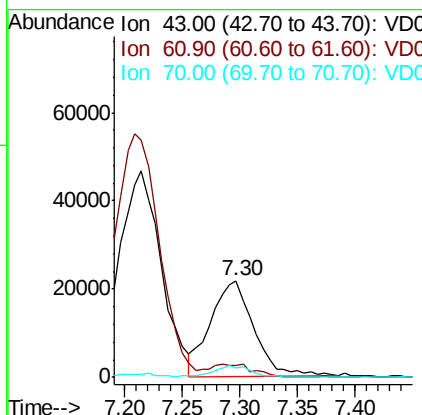
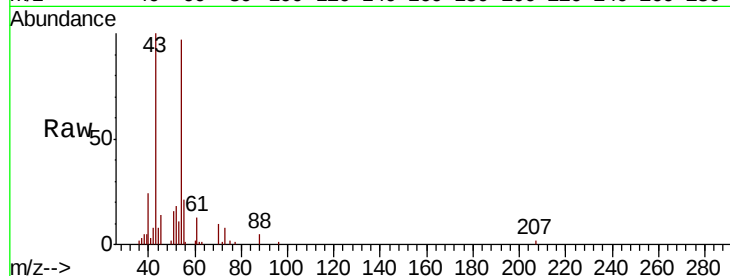




#37
Ethyl Acetate
Concen: 20.529 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

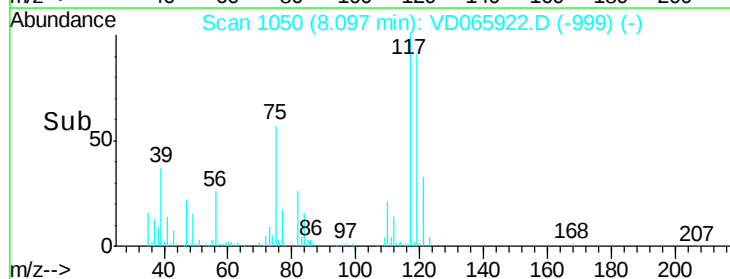
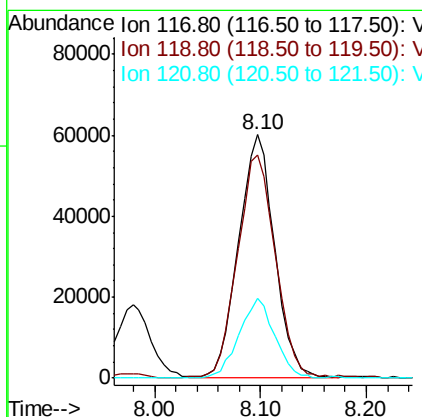
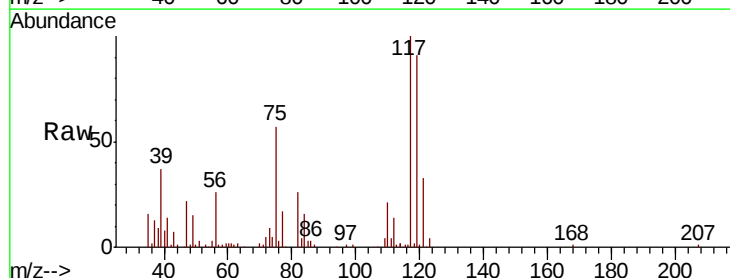
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

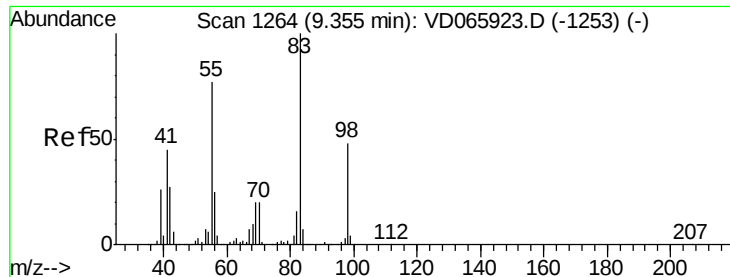
Tot Ion: 43 Resp: 56577
Ion Ratio Lower Upper
43 100
61 12.4 9.4 14.0
70 10.5 8.3 12.5



#38
Carbon Tetrachloride
Concen: 20.124 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion: 117 Resp: 141877
Ion Ratio Lower Upper
117 100
119 91.2 74.7 112.1
121 32.9 24.9 37.3

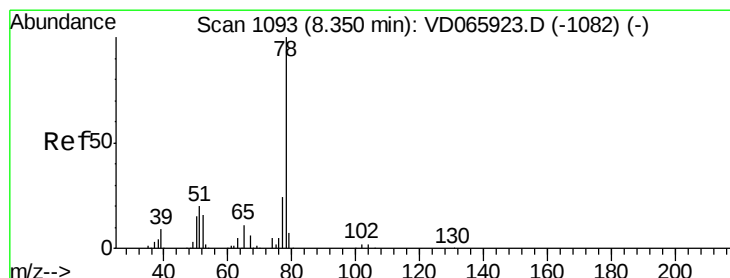
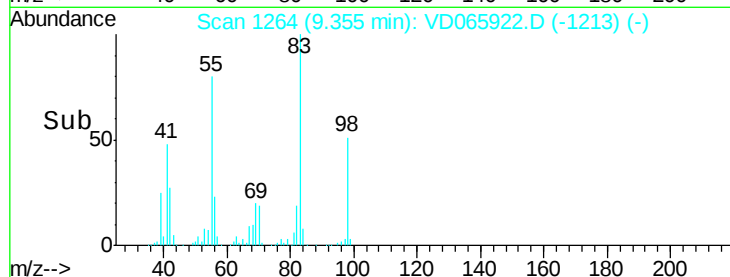
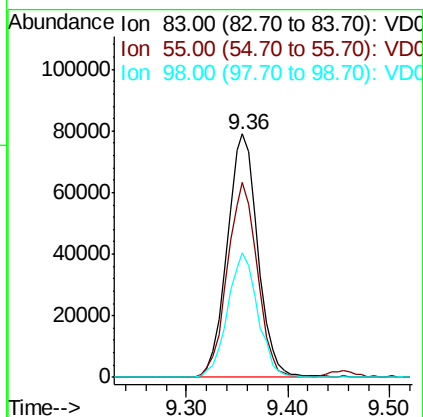
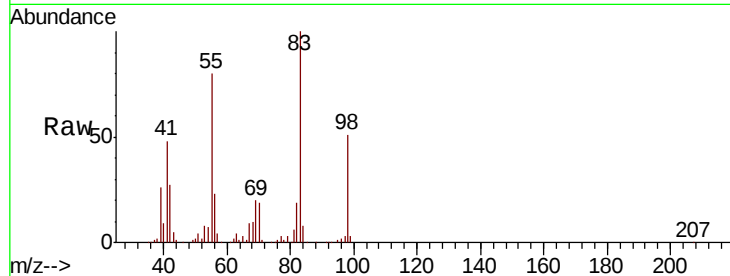




#39
Methvlcvclohexane
Concen: 20.470 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

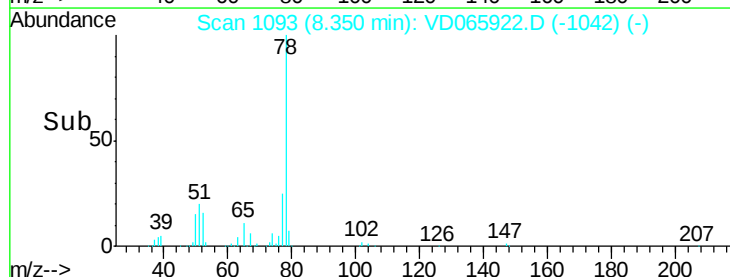
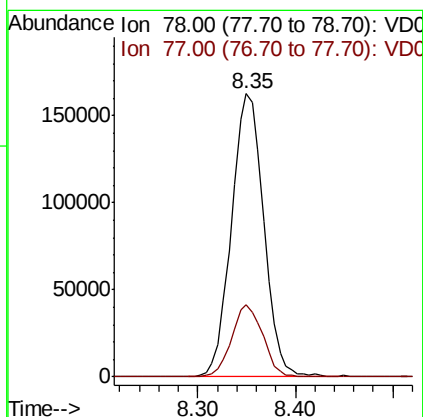
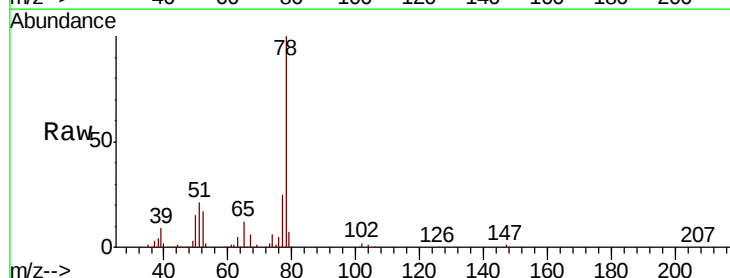
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

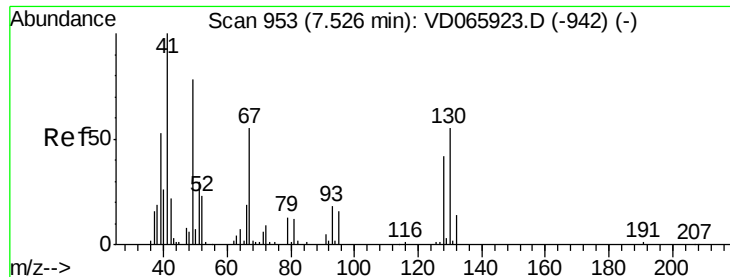
Tot Ion: 83 Resp: 165301
Ion Ratio Lower Upper
83 100
55 79.9 61.7 92.5
98 51.2 38.6 58.0



#40
Benzene
Concen: 20.613 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion: 78 Resp: 374573
Ion Ratio Lower Upper
78 100
77 25.4 19.4 29.0

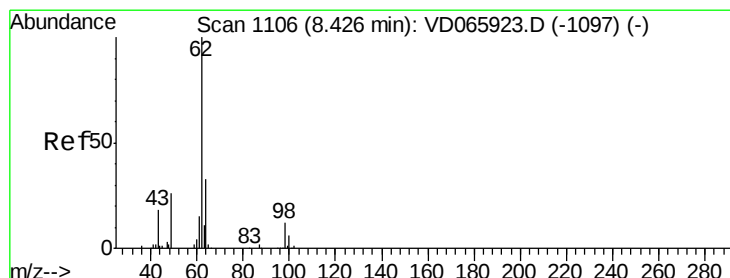
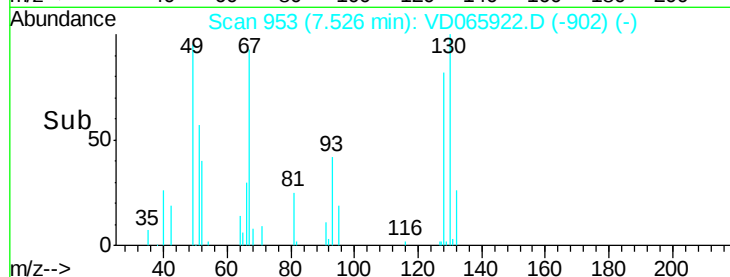
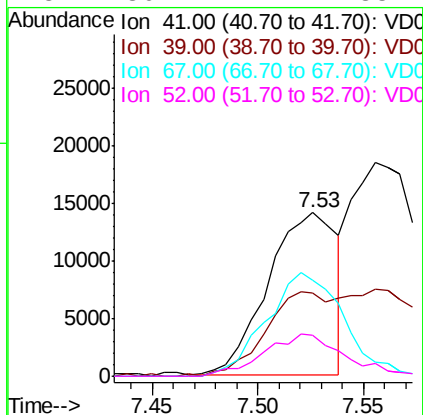
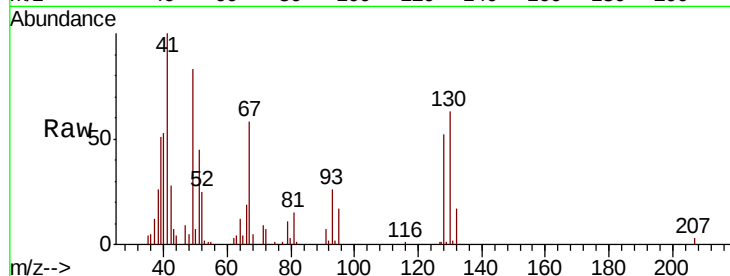




#41
Methacrylonitrile
Concen: 19.401 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

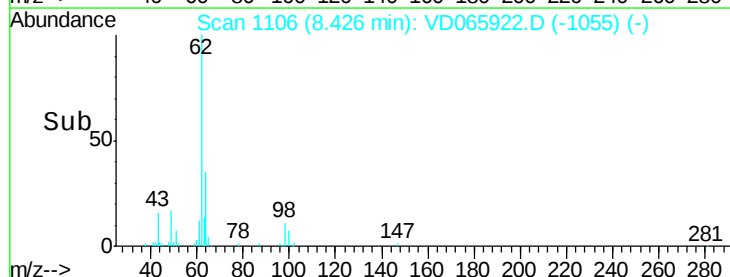
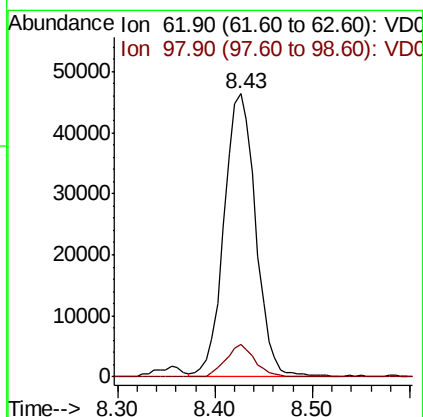
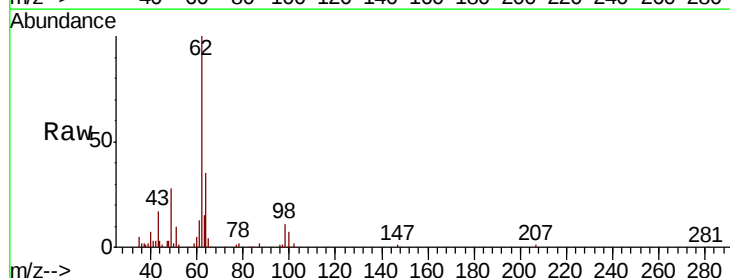
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

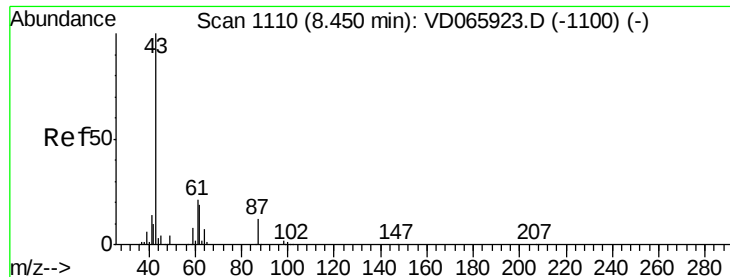
Tot Ion:	41	Resp:	31780
Ion	Ratio	Lower	Upper
41	100		
39	46.1	42.4	63.6
67	71.6	53.6	80.4
52	30.1	22.2	33.2



#42
1,2-Dichloroethane
Concen: 20.335 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion:	62	Resp:	104682
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.0





#43

Isopropyl Acetate

Concen: 20.126 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

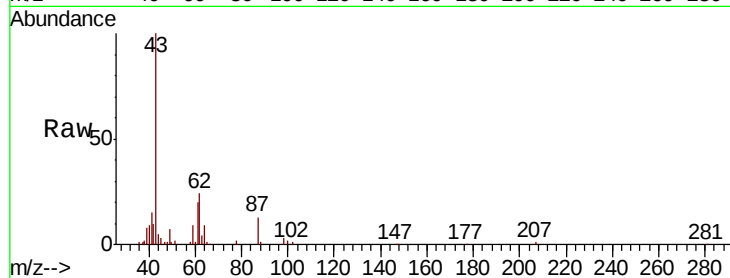
Tot Ion: 43 Resp: 103245

Ion Ratio Lower Upper

43 100

61 29.2 23.2 34.8

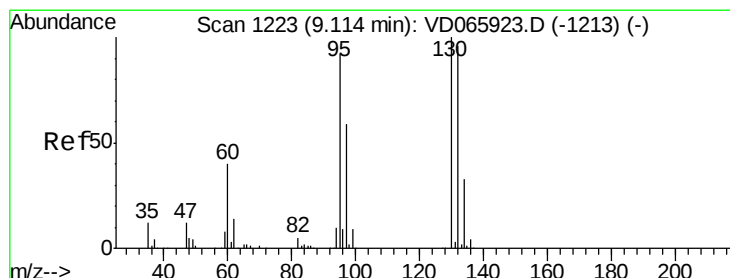
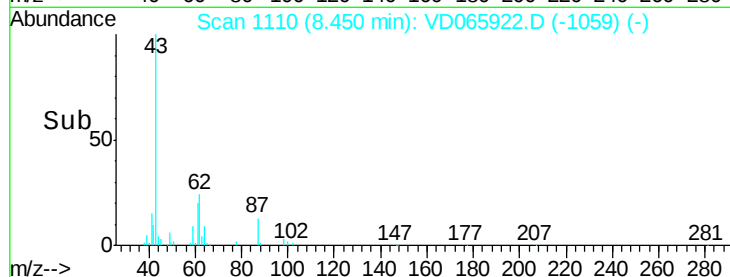
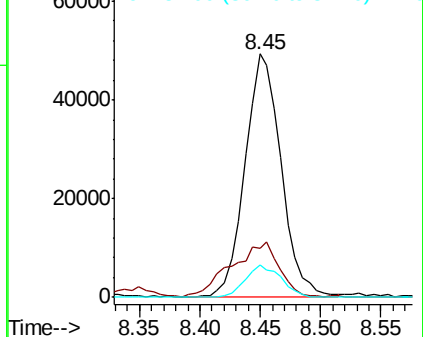
87 13.2 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.448 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065922.D

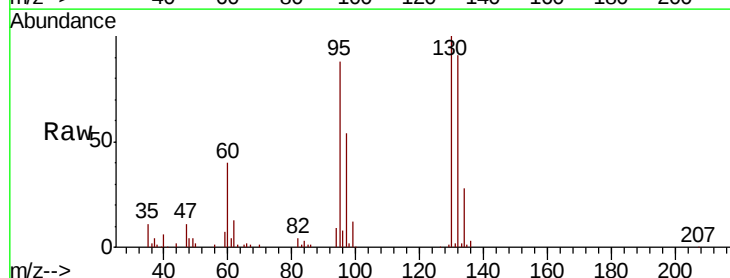
Acq: 07 Jul 2020 14:34

Tgt Ion: 130 Resp: 109173

Ion Ratio Lower Upper

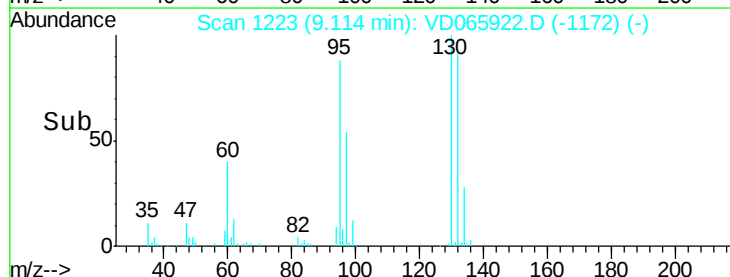
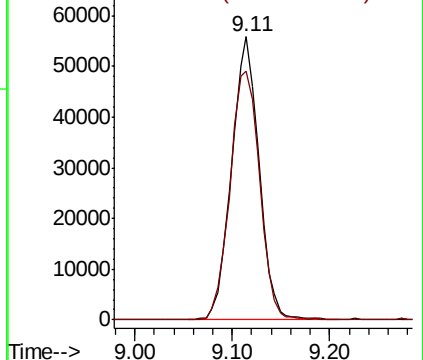
130 100

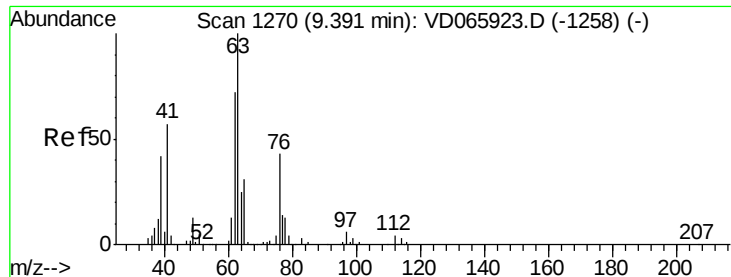
95 87.9 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.287 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

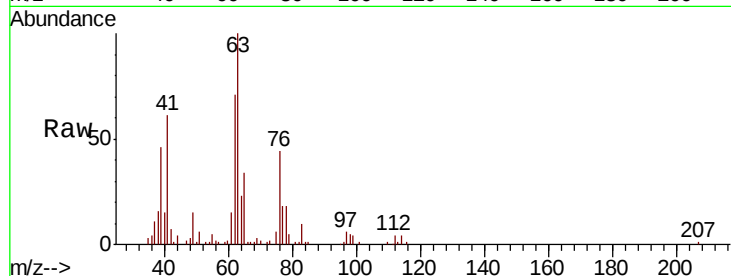
VSTDIC020

Tot Ion: 63 Resp: 91495

Ion Ratio Lower Upper

63 100

65 34.4 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

40000

30000

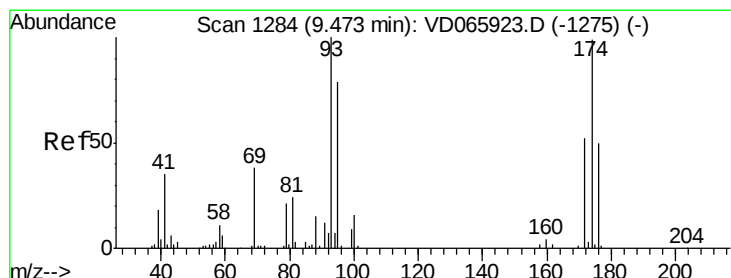
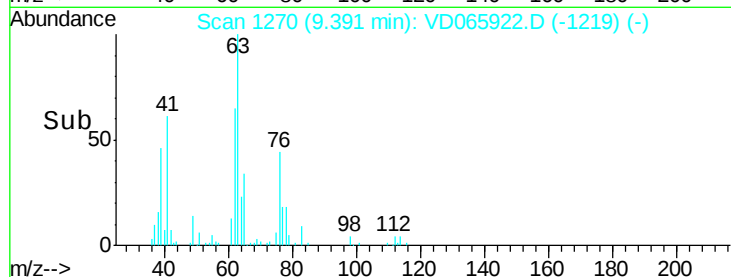
20000

10000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 20.614 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

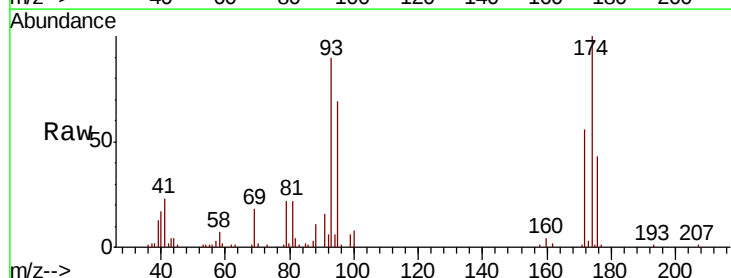
Tgt Ion: 93 Resp: 48403

Ion Ratio Lower Upper

93 100

95 82.5 68.2 102.2

174 113.6 88.0 132.0



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): VDC

30000

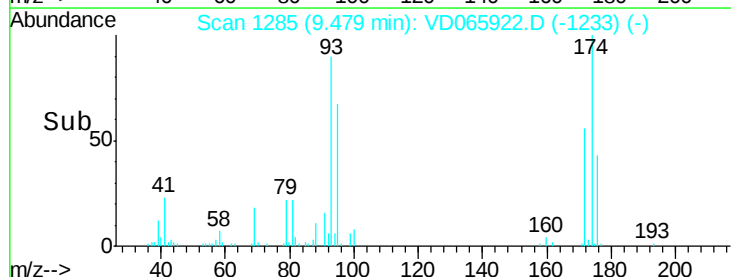
20000

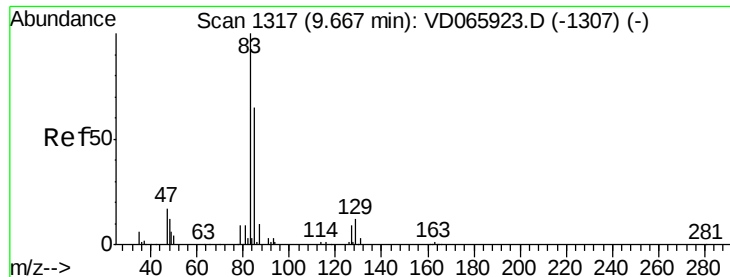
10000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 20.395 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

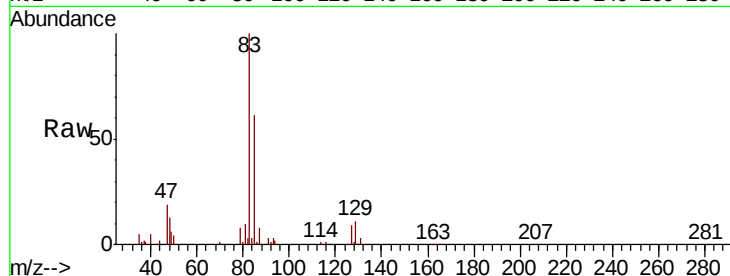
Tot Ion: 83 Resp: 128460

Ion Ratio Lower Upper

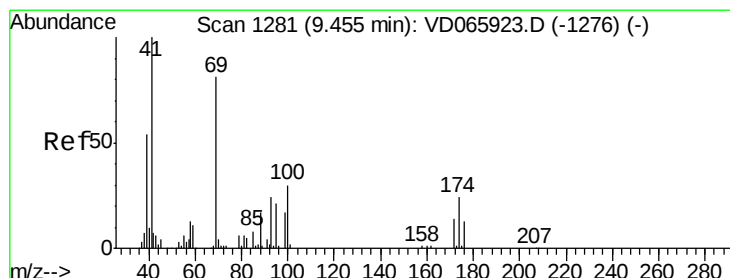
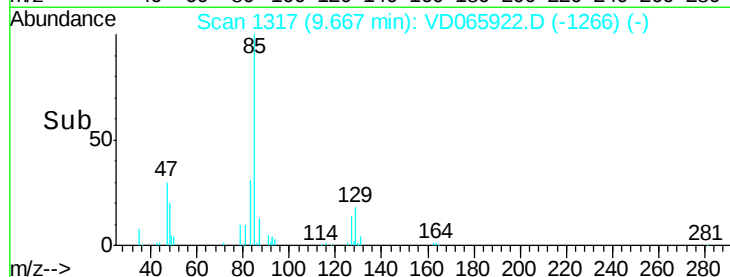
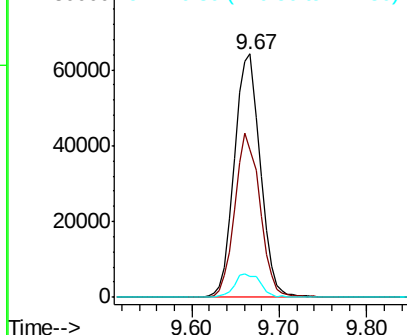
83 100

85 60.8 51.6 77.4

127 8.7 7.2 10.8



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: 20.436 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

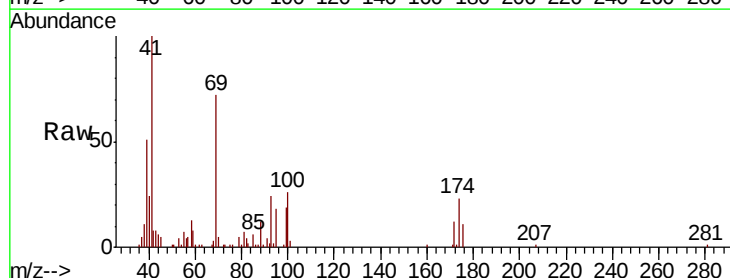
Tgt Ion: 41 Resp: 52775

Ion Ratio Lower Upper

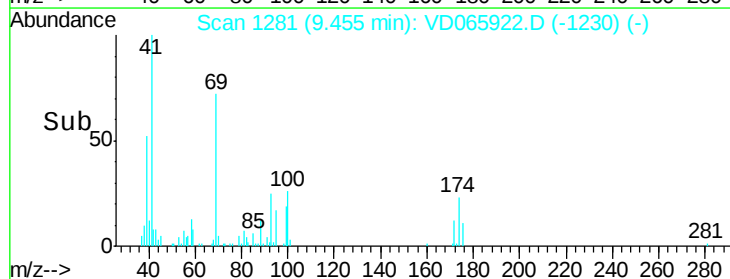
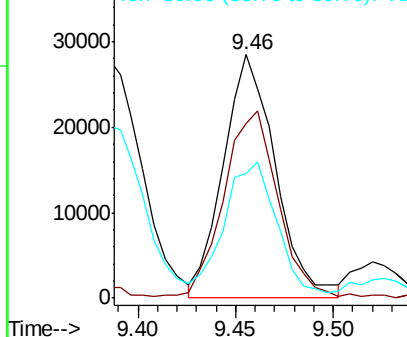
41 100

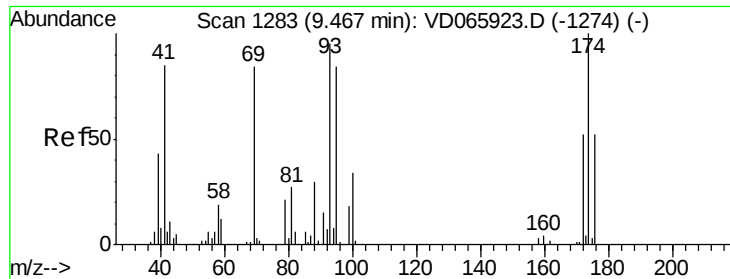
69 81.0 62.2 93.4

39 52.4 39.9 59.9



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: 386.456 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

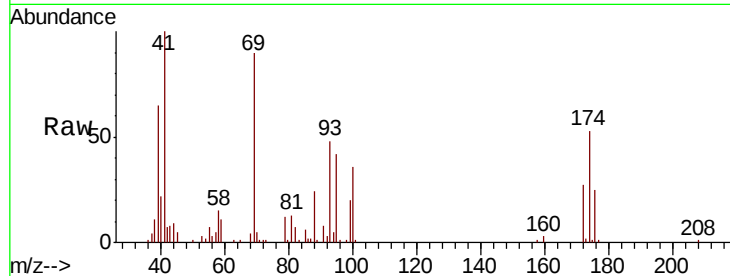
Tot Ion: 88 Resp: 10782

Ion Ratio Lower Upper

88 100

43 40.9 28.2 42.4

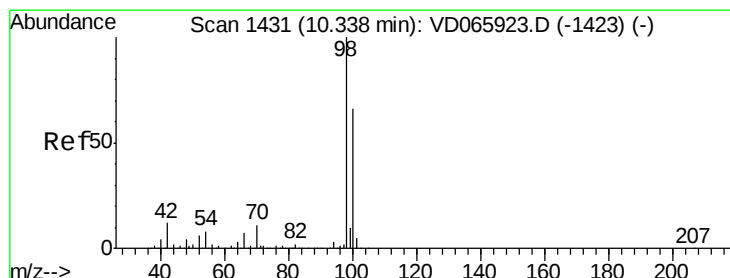
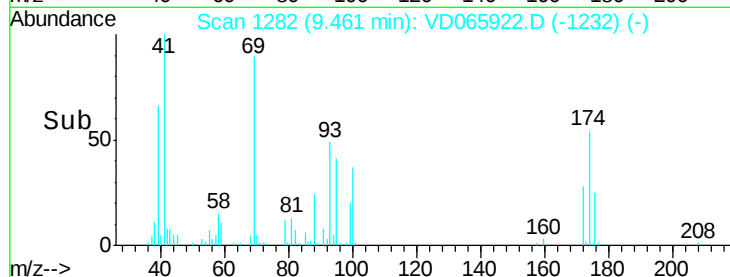
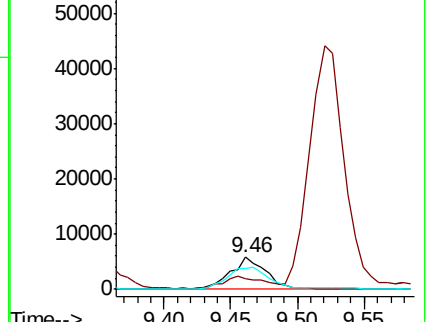
58 81.5 58.6 87.8



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: 20.381 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD065922.D

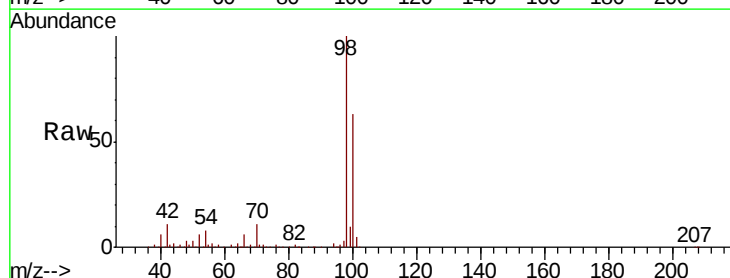
Acq: 07 Jul 2020 14:34

Tgt Ion: 98 Resp: 305510

Ion Ratio Lower Upper

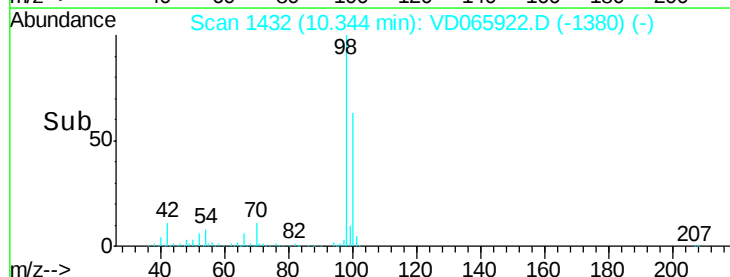
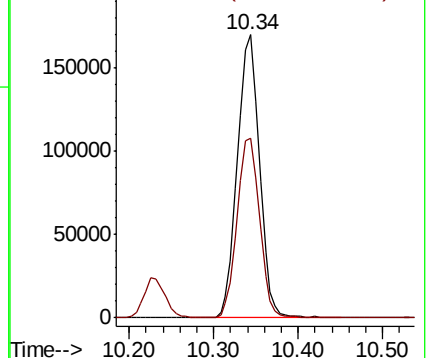
98 100

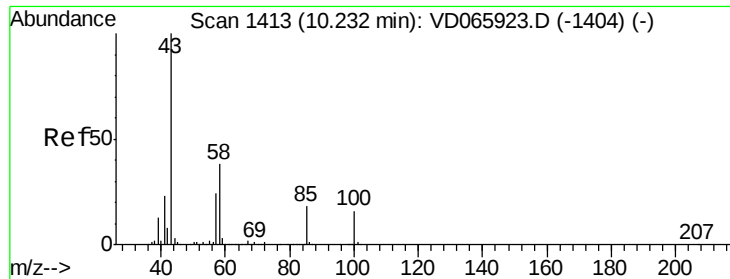
100 64.4 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

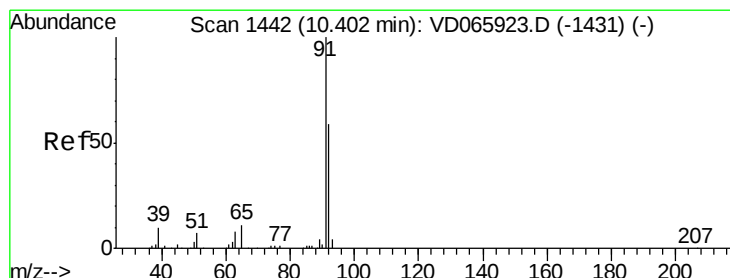
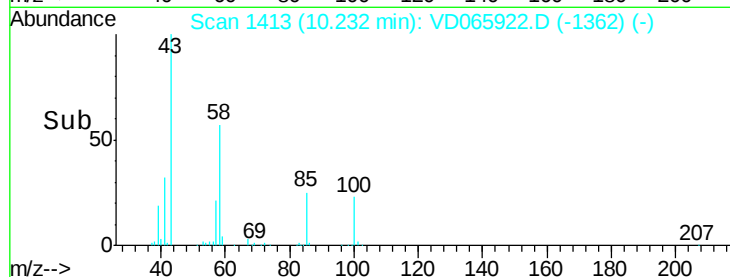
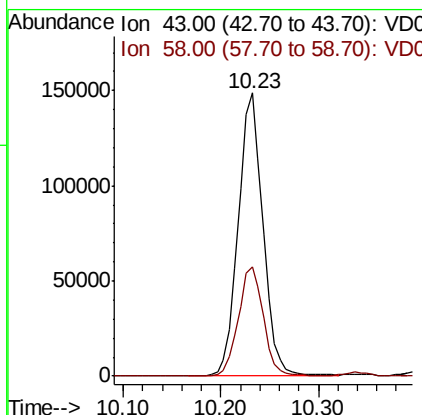
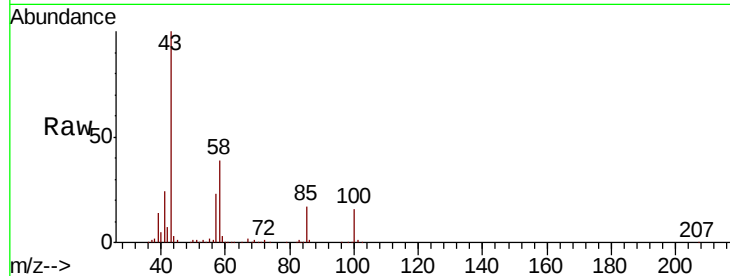




#51
 4-Methyl-2-Pentanone
 Concen: 101.741 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

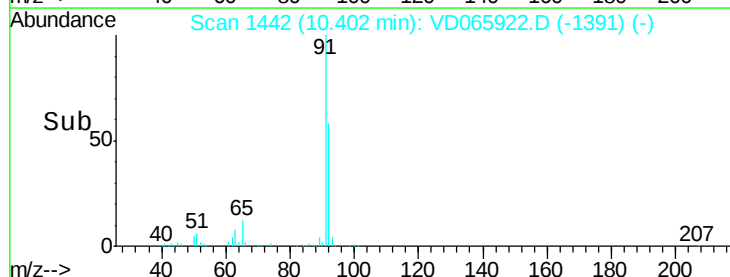
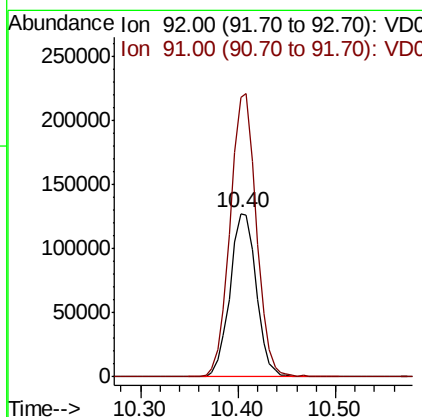
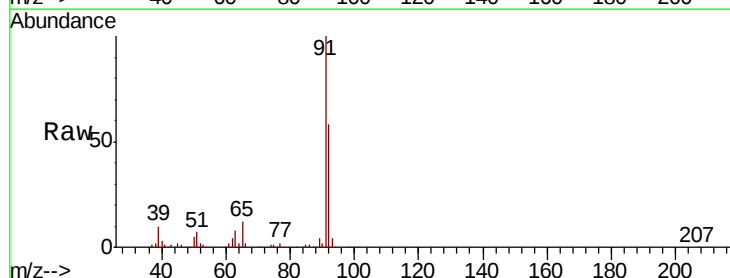
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

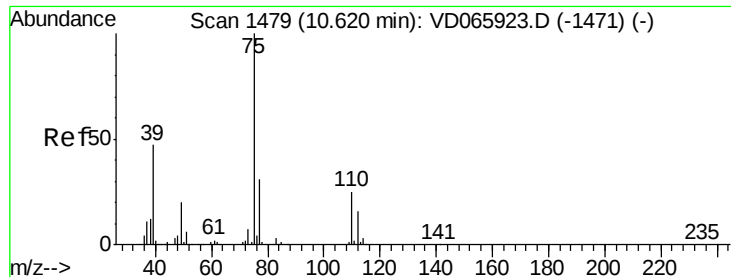
Tot Ion: 43 Resp: 263868
 Ion Ratio Lower Upper
 43 100
 58 38.9 30.5 45.7



#52
 Toluene
 Concen: 20.695 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Tgt Ion: 92 Resp: 239244
 Ion Ratio Lower Upper
 92 100
 91 172.3 136.0 204.0





#53

t-1,3-Dichloropropene

Concen: 20.805 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

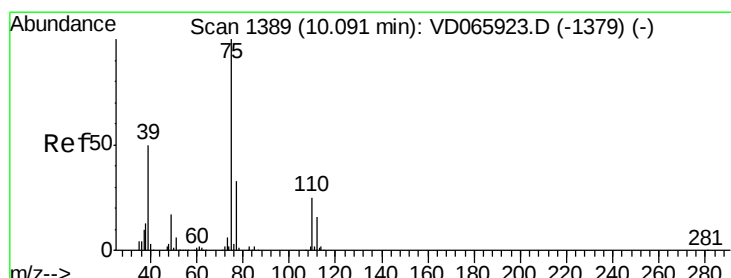
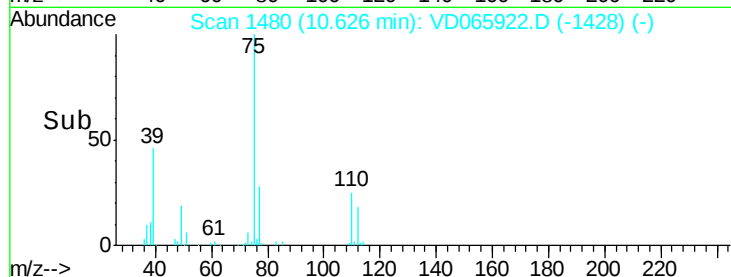
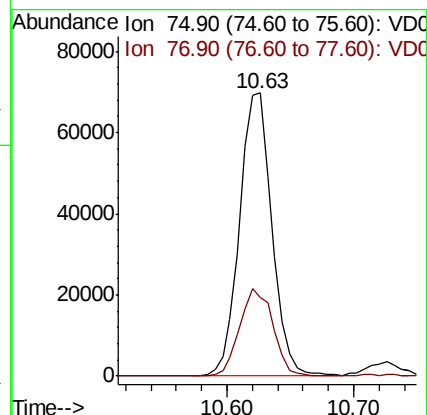
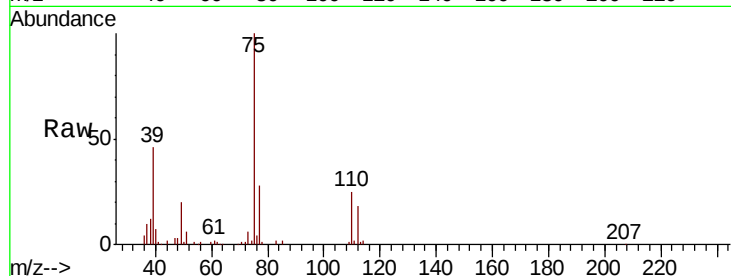
VSTDIC020

Tot Ion: 75 Resp: 123216

Ion Ratio Lower Upper

75 100

77 27.7 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 20.513 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

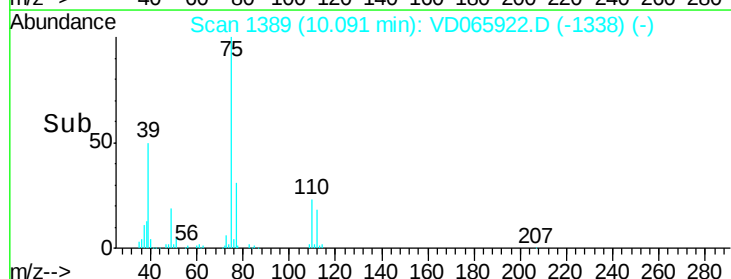
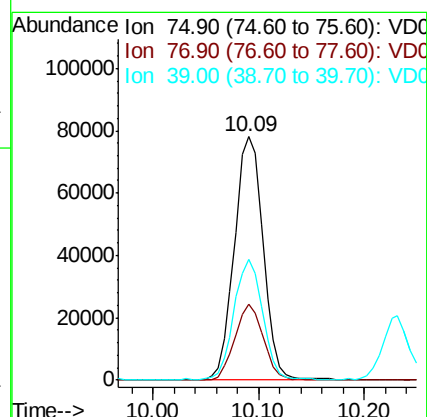
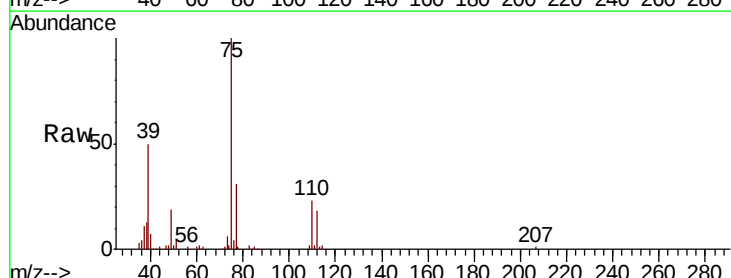
Tgt Ion: 75 Resp: 146795

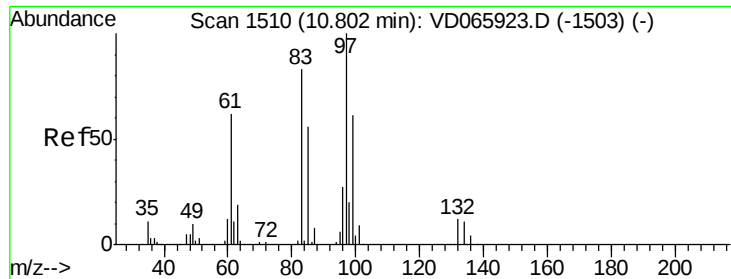
Ion Ratio Lower Upper

75 100

77 31.0 26.6 39.8

39 49.6 39.6 59.4

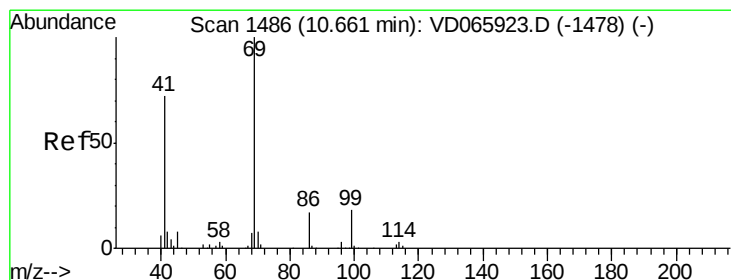
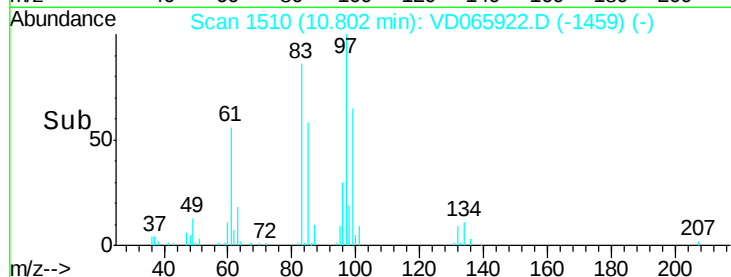
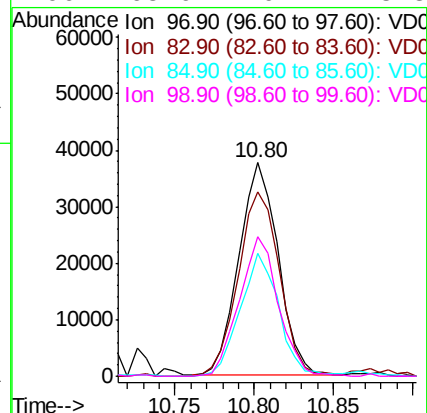
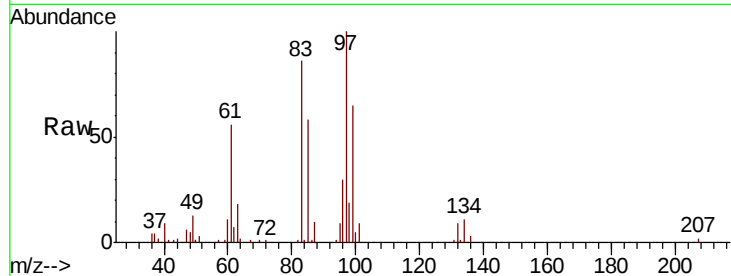




#55
 1,1,2-Trichloroethane
 Concen: 19.988 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

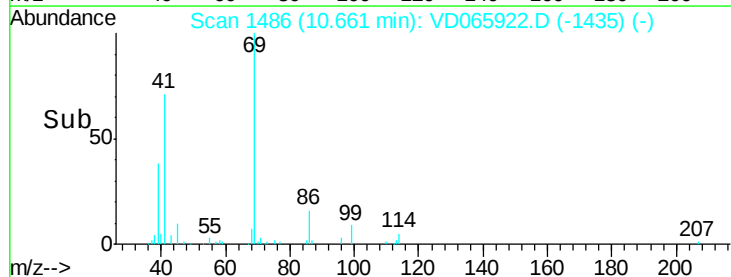
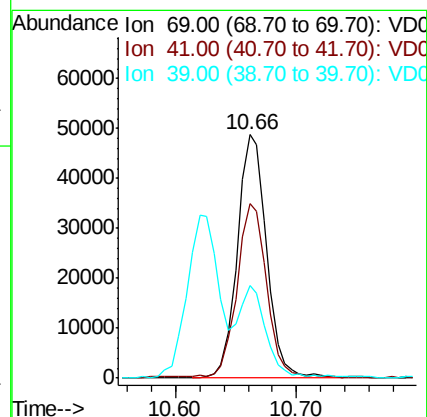
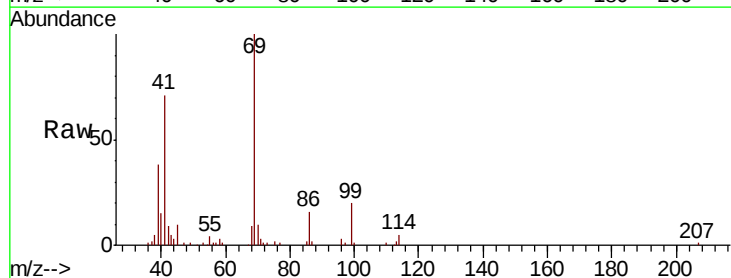
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

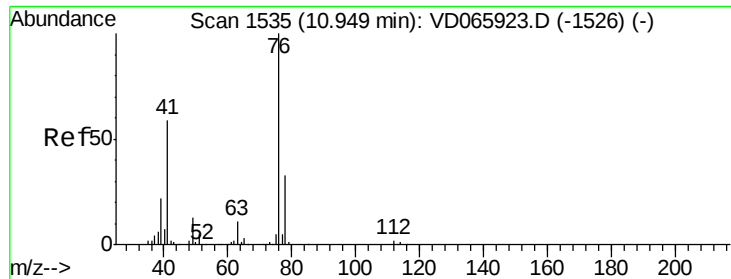
Tot Ion:	97	Resp:	64663
Ion	Ratio	Lower	Upper
97	100		
83	86.7	66.9	100.3
85	58.1	44.5	66.7
99	65.9	49.2	73.8



#56
 Ethyl methacrylate
 Concen: 20.868 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Tgt Ion:	69	Resp:	82456
Ion	Ratio	Lower	Upper
69	100		
41	73.6	56.5	84.7
39	32.7	29.2	43.8

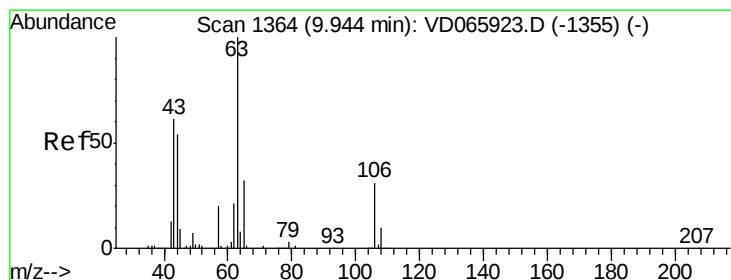
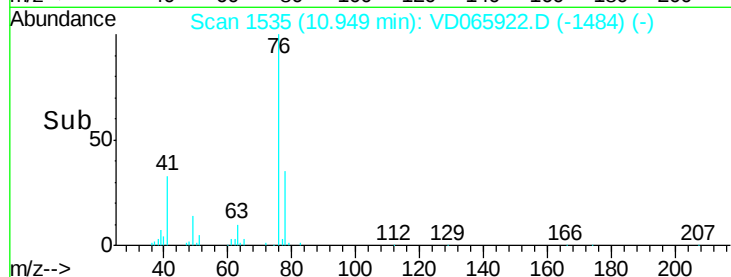
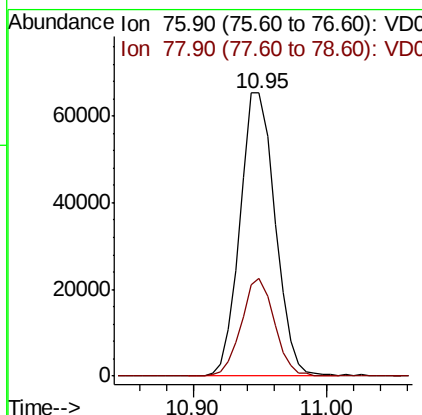
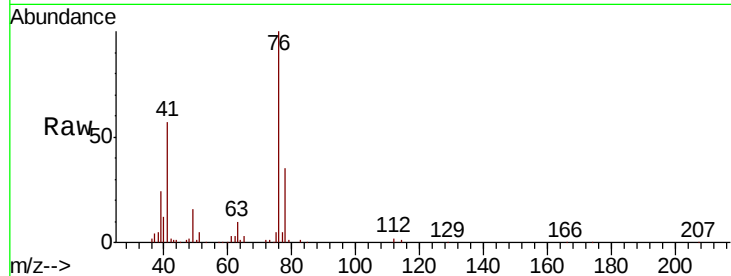




#57
 1,3-Dichloropropane
 Concen: 21.140 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

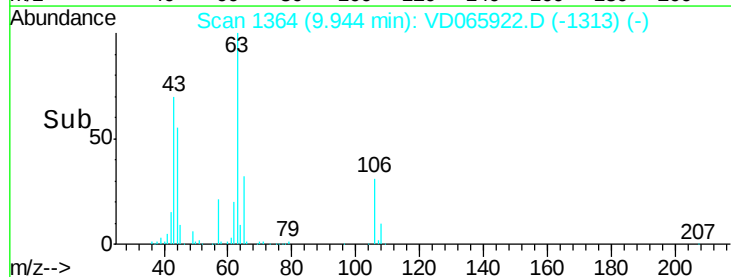
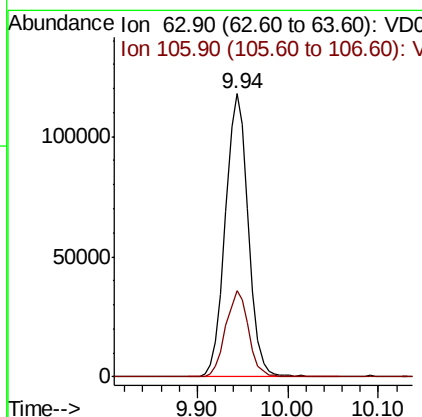
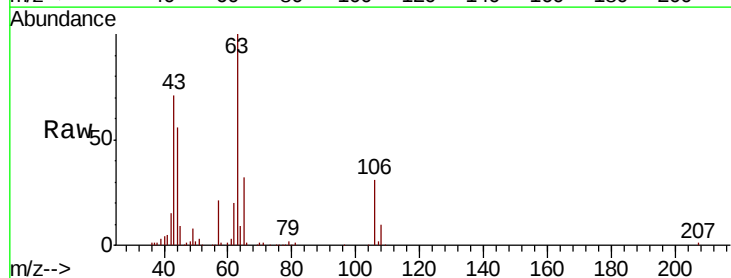
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

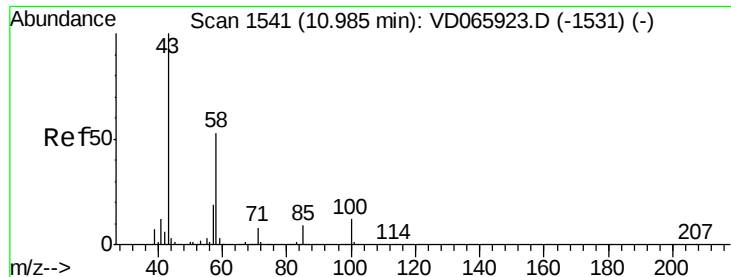
Tot Ion: 76 Resp: 119606
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.222 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Tgt Ion: 63 Resp: 207100
 Ion Ratio Lower Upper
 63 100
 106 30.2 23.8 35.6

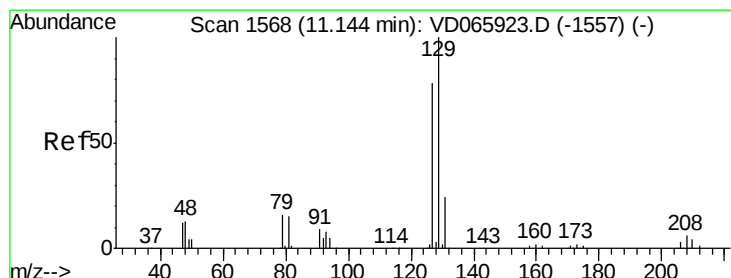
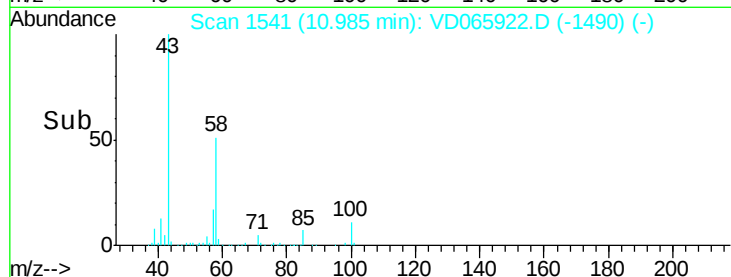
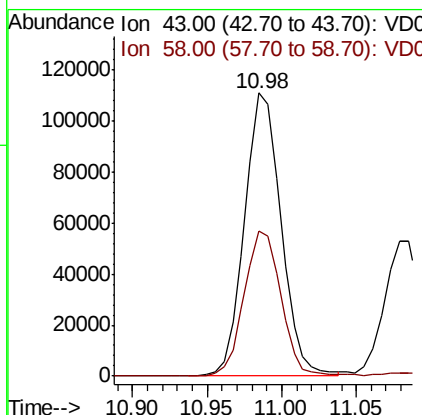
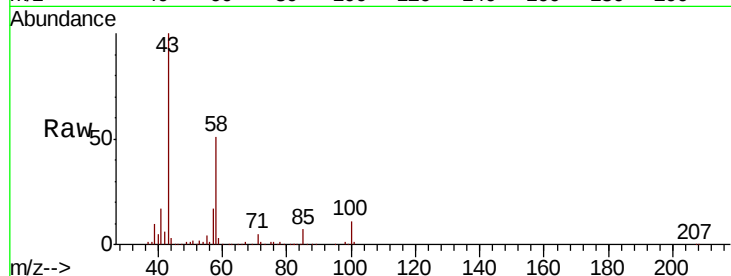




#59
2-Hexanone
Concen: 105.850 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

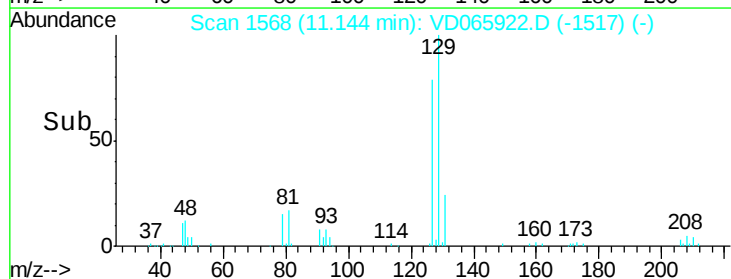
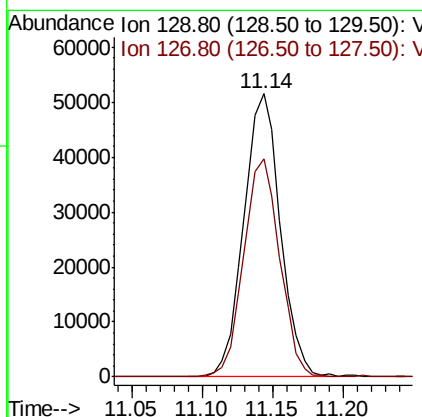
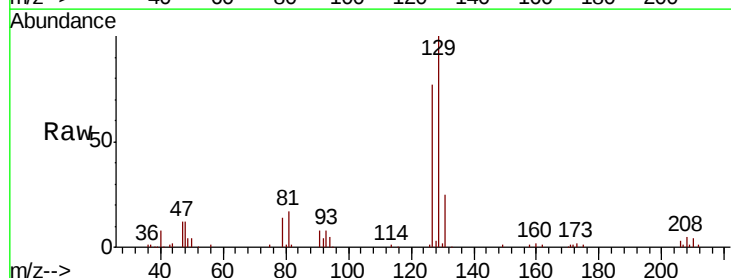
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

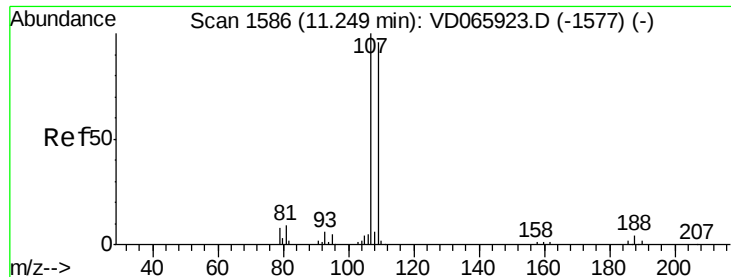
Tot Ion: 43 Resp: 188800
Ion Ratio Lower Upper
43 100
58 51.4 26.6 79.8



#60
Dibromochloromethane
Concen: 21.243 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion: 129 Resp: 93895
Ion Ratio Lower Upper
129 100
127 75.9 38.8 116.4

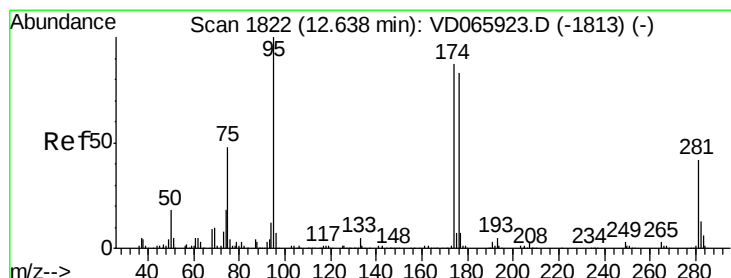
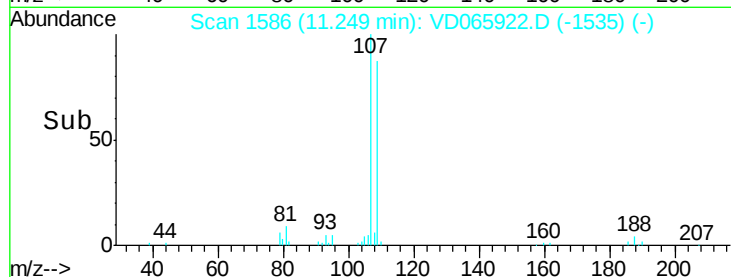
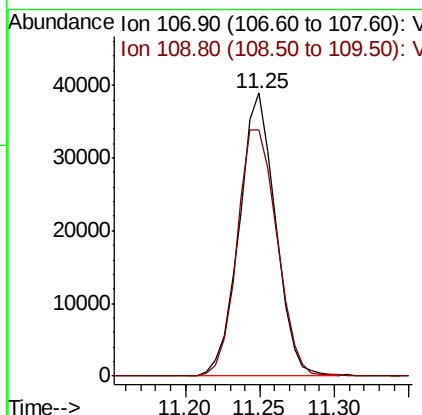
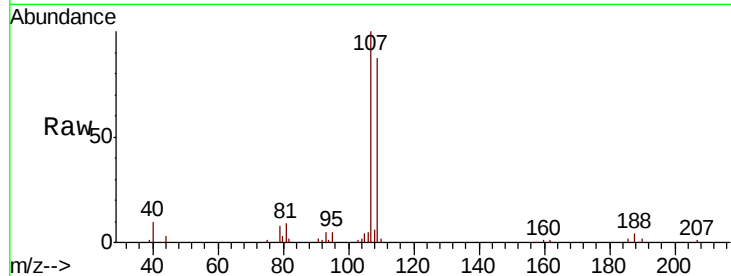




#61
 1,2-Dibromoethane
 Concen: 20.322 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

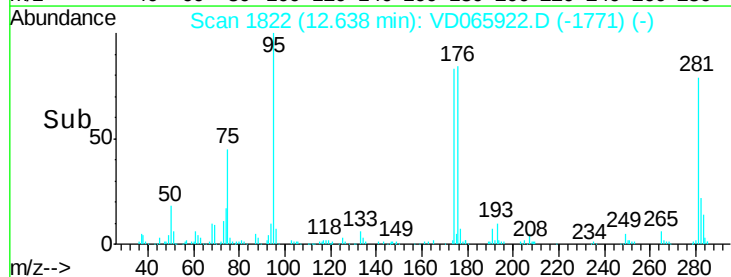
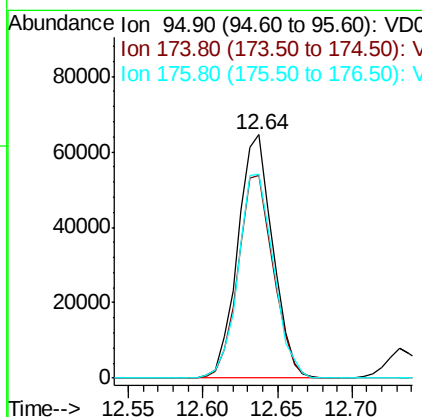
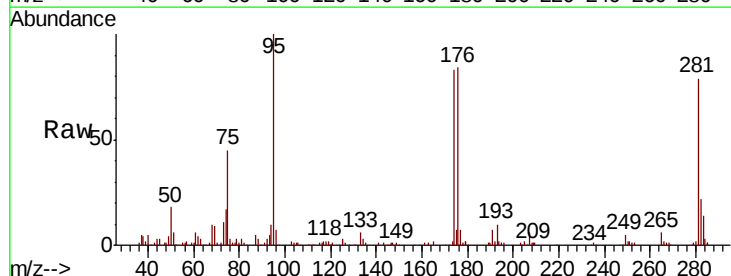
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

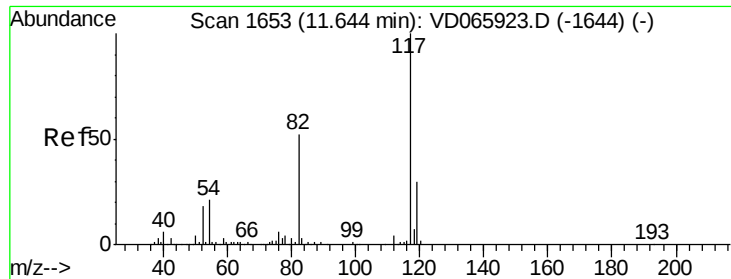
Tot Ion:107 Resp: 65550
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 20.408 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Tgt Ion: 95 Resp: 105054
 Ion Ratio Lower Upper
 95 100
 174 83.6 0.0 169.4
 176 84.9 0.0 164.0

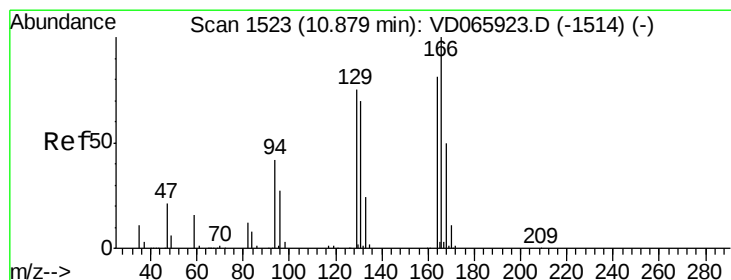
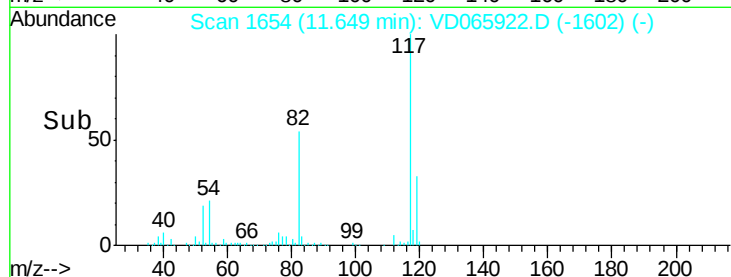
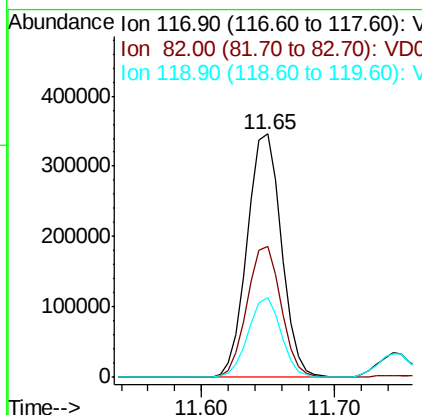
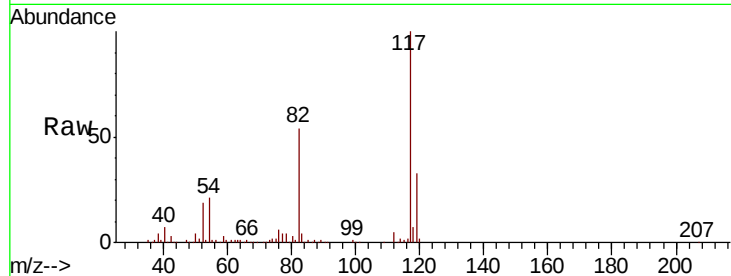




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

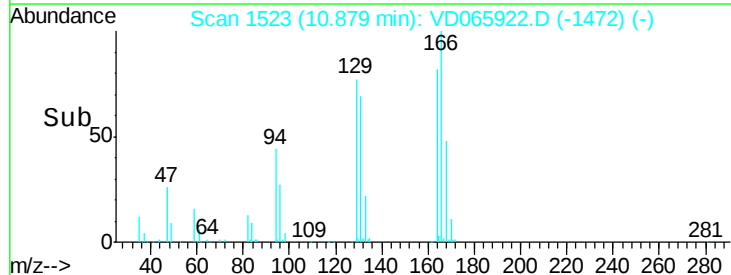
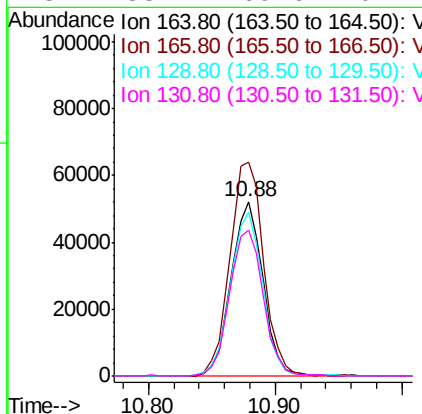
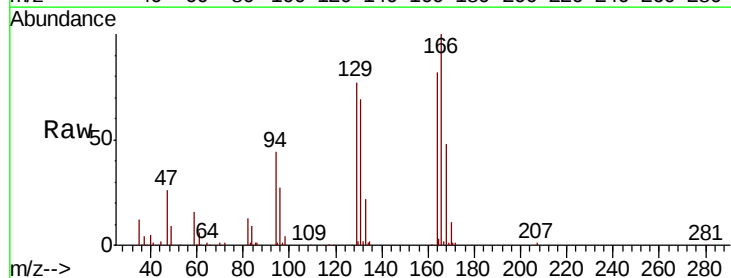
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

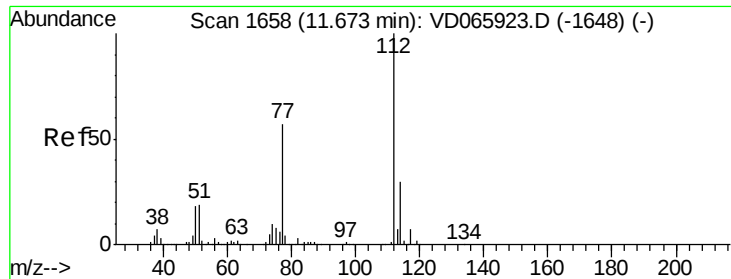
Tot Ion:117 Resp: 613155
Ion Ratio Lower Upper
117 100
82 53.8 41.8 62.8
119 32.8 24.3 36.5



#64
Tetrachloroethene
Concen: 20.290 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion:164 Resp: 90472
Ion Ratio Lower Upper
164 100
166 122.2 99.0 148.4
129 93.2 73.9 110.9
131 83.7 69.6 104.4

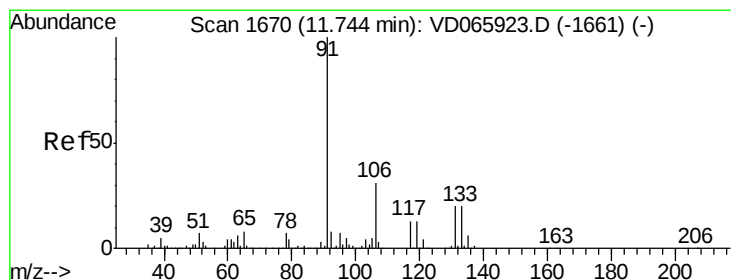
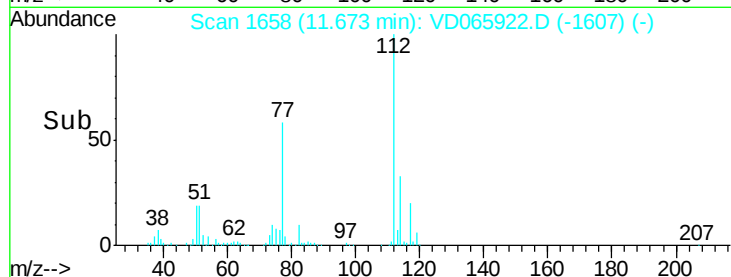
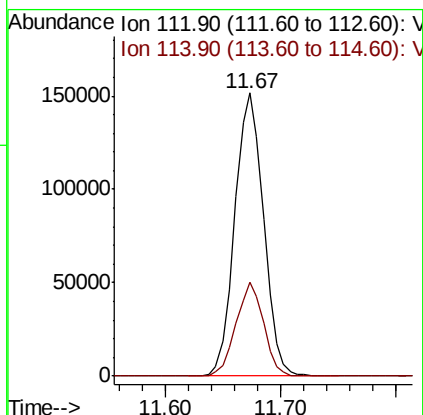
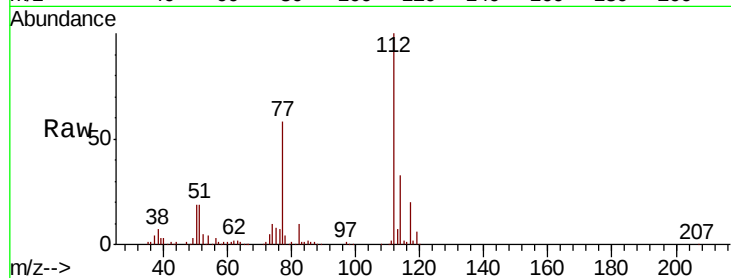




#65
Chlorobenzene
Concen: 21.148 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

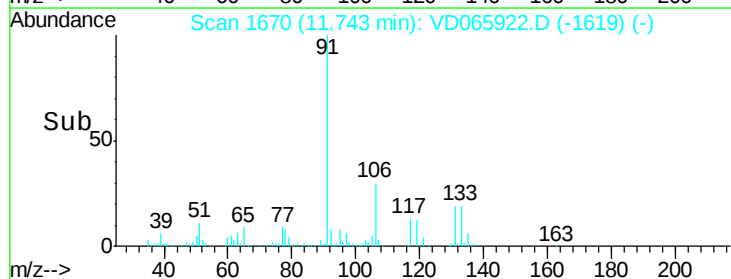
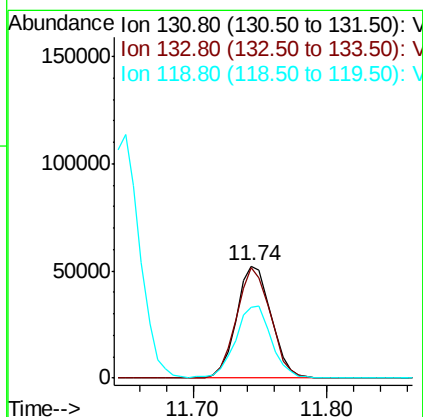
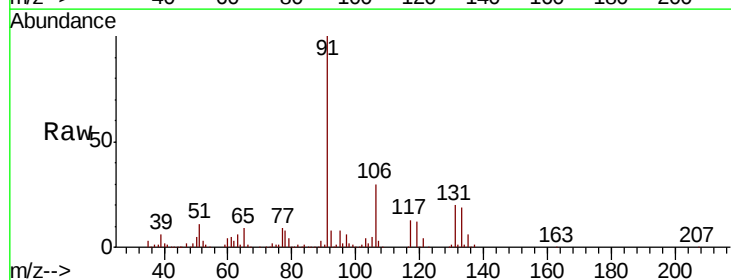
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

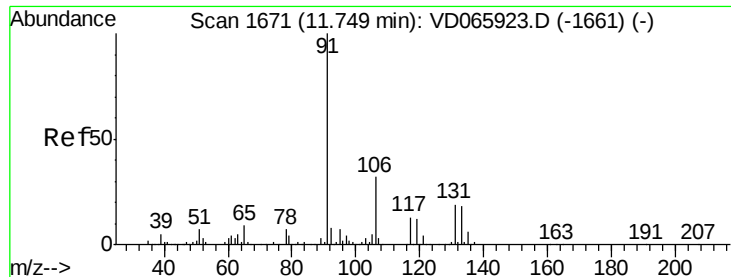
Tot Ion:112 Resp: 261314
Ion Ratio Lower Upper
112 100
114 33.2 24.2 36.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.321 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion:131 Resp: 93916
Ion Ratio Lower Upper
131 100
133 97.3 47.9 143.6
119 66.4 31.9 95.9





#67

Ethyl Benzene

Concen: 20.746 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

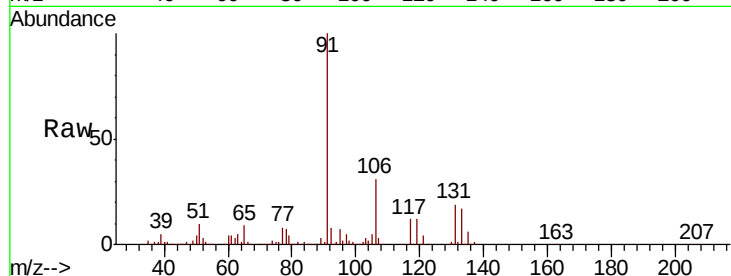
VSTDIC020

Tot Ion: 91 Resp: 455394

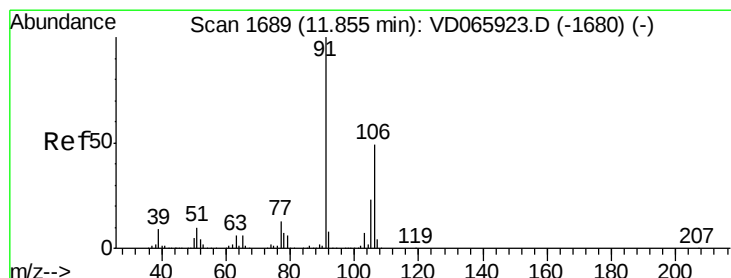
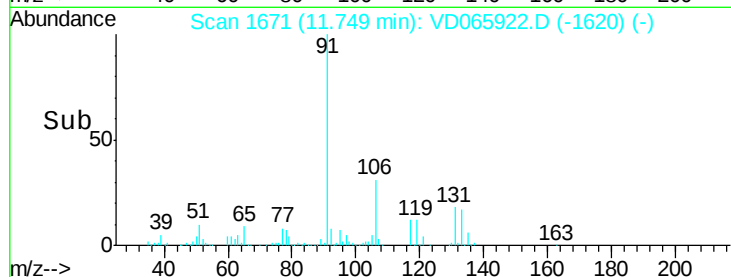
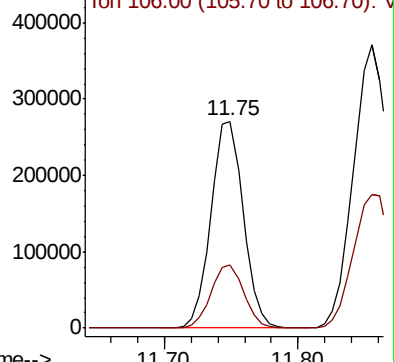
Ion Ratio Lower Upper

91 100

106 30.7 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC



#68

m/p-Xylenes

Concen: 41.774 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065922.D

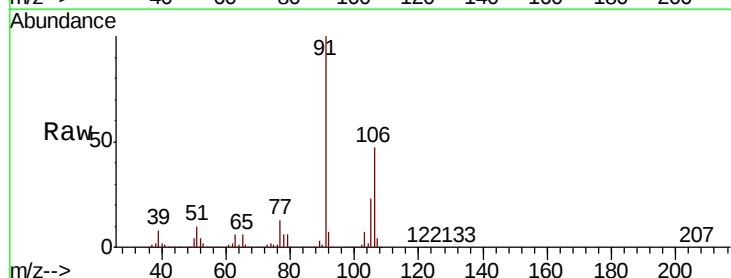
Acq: 07 Jul 2020 14:34

Tgt Ion: 106 Resp: 348388

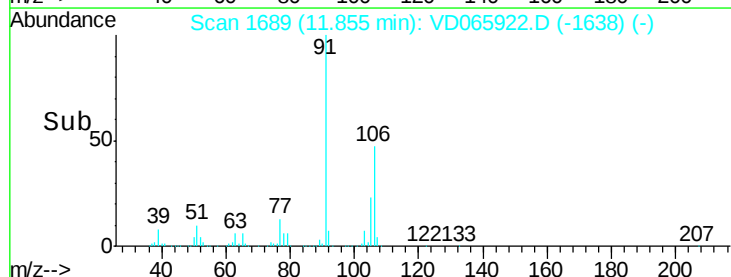
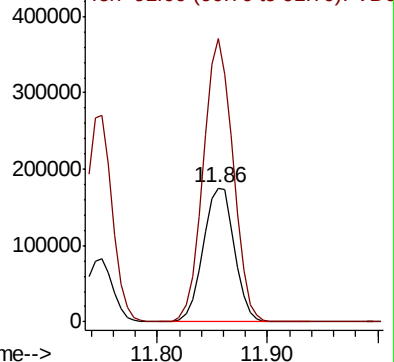
Ion Ratio Lower Upper

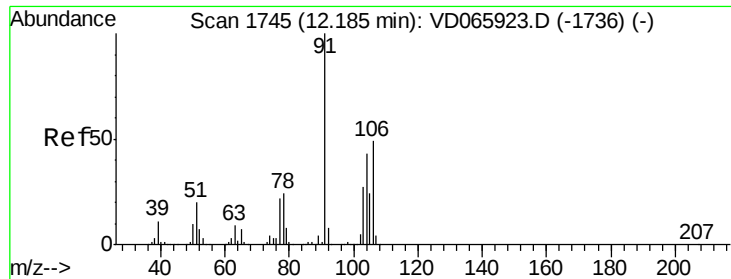
106 100

91 202.0 158.2 237.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

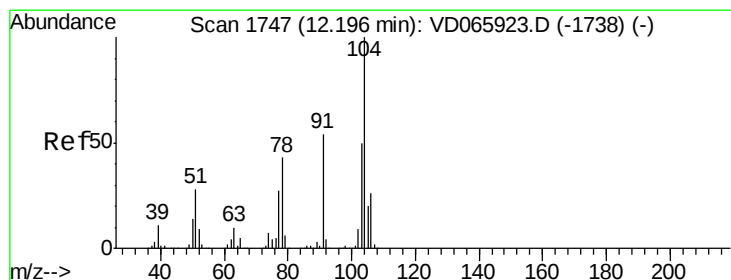
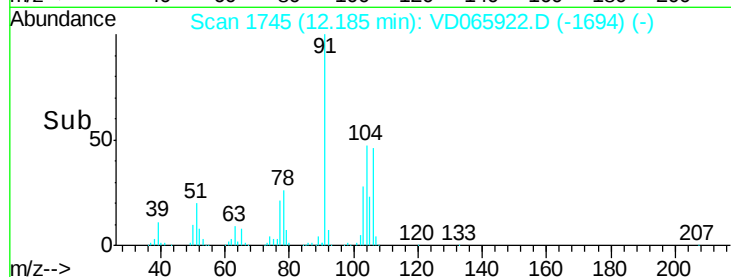
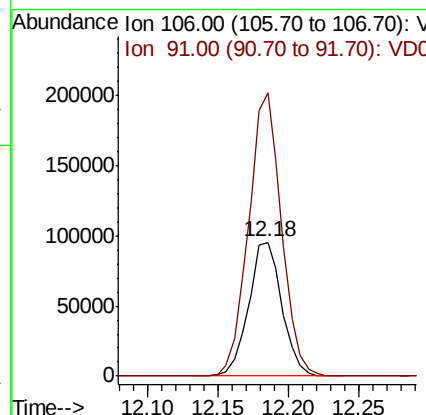
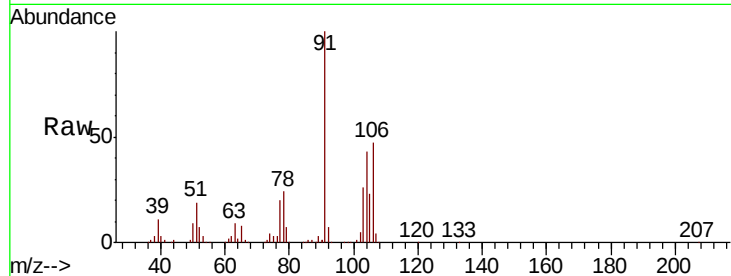




#69
o-Xylene
Concen: 20.681 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

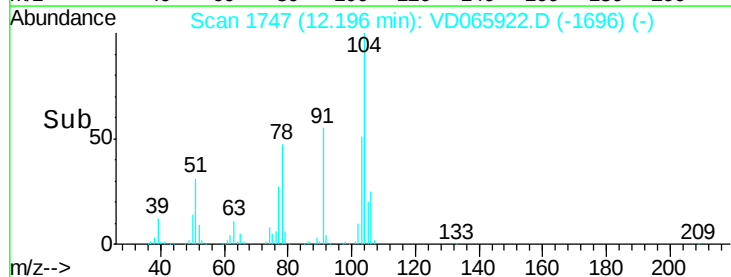
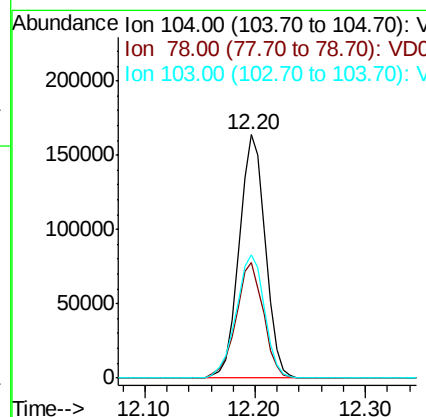
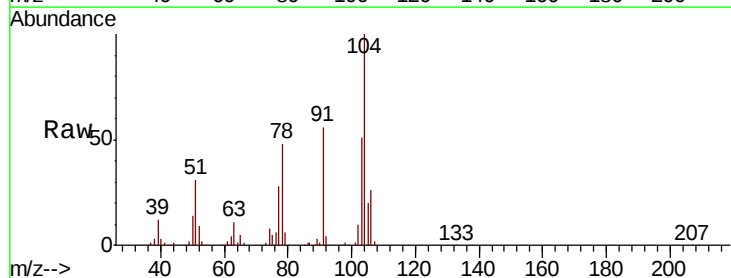
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

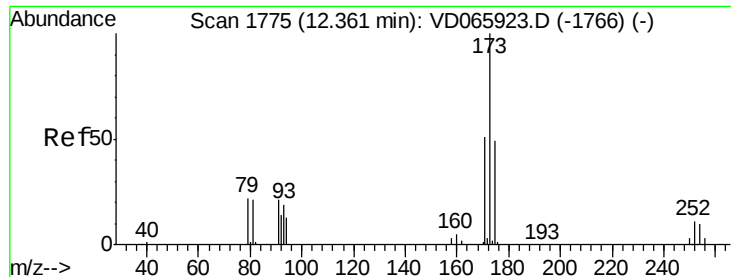
Tot Ion:106 Resp: 157115
Ion Ratio Lower Upper
106 100
91 209.6 104.1 312.2



#70
Styrene
Concen: 20.785 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion:104 Resp: 272589
Ion Ratio Lower Upper
104 100
78 49.6 38.8 58.2
103 55.3 43.6 65.4

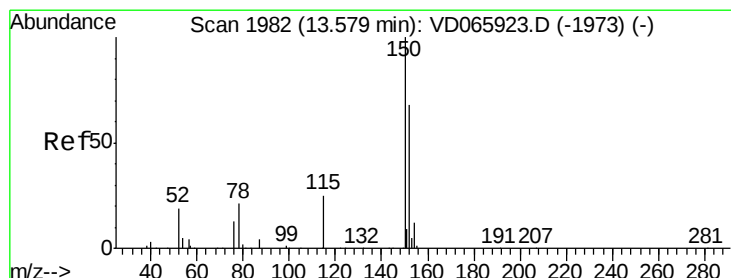
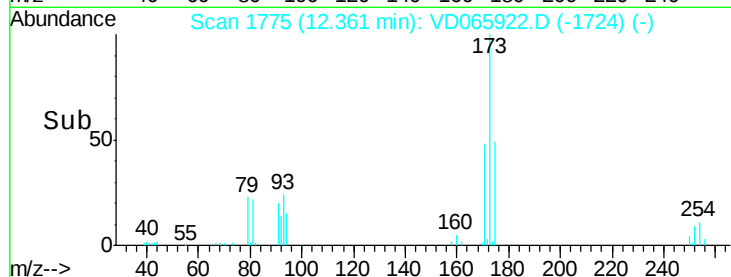
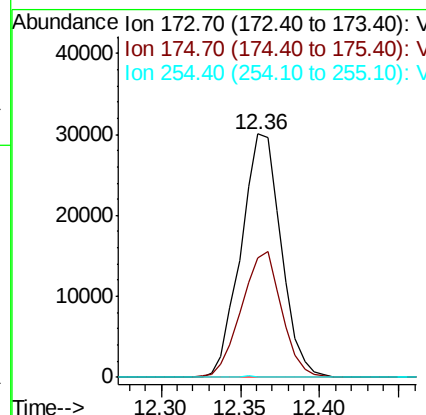
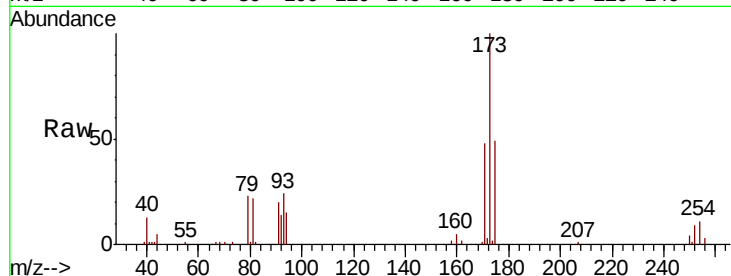




#71
Bromoform
Concen: 20.158 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

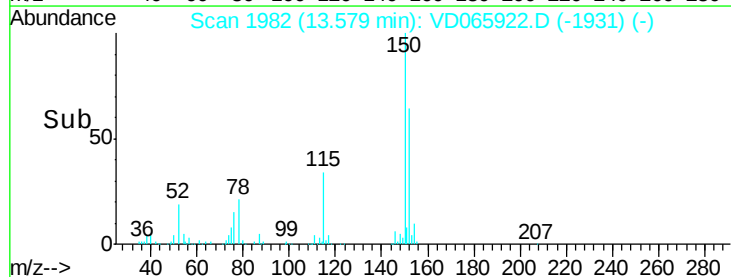
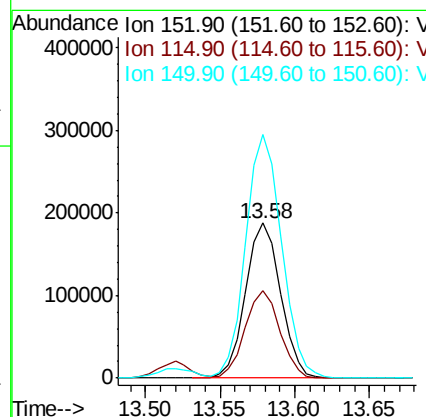
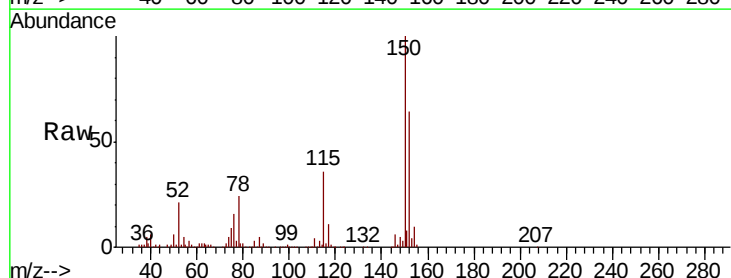
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

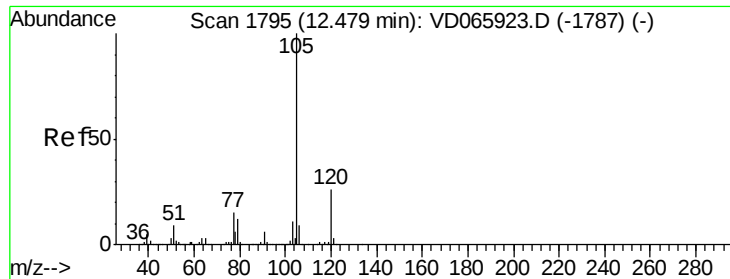
Tot Ion:173 Resp: 52715
Ion Ratio Lower Upper
173 100
175 51.9 24.2 72.6
254 0.1 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion:152 Resp: 303406
Ion Ratio Lower Upper
152 100
115 56.5 27.8 83.3
150 162.4 0.0 347.2





#73

Isopropylbenzene

Concen: 20.599 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

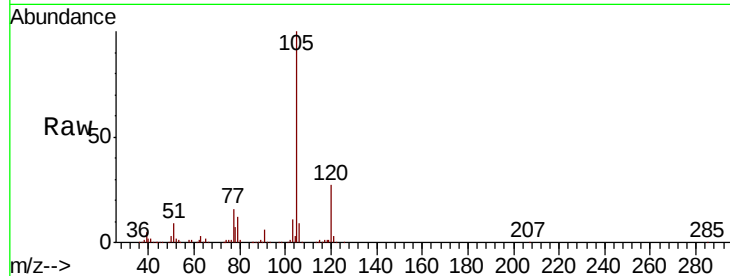
VSTDIC020

Tot Ion:105 Resp: 436186

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

100000

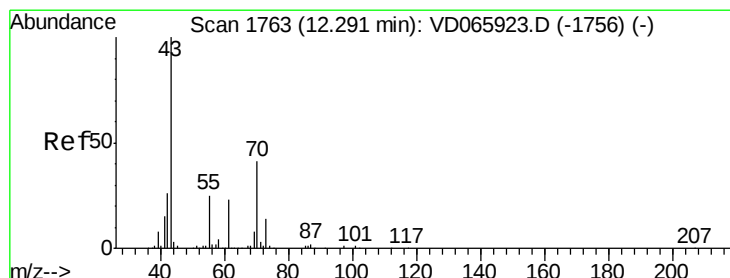
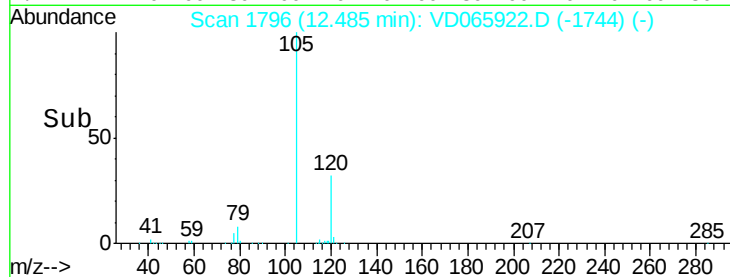
50000

0

12.40

12.48

Time-->



#74

N-ethyl acetate

Concen: 20.503 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Tgt Ion: 43 Resp: 97423

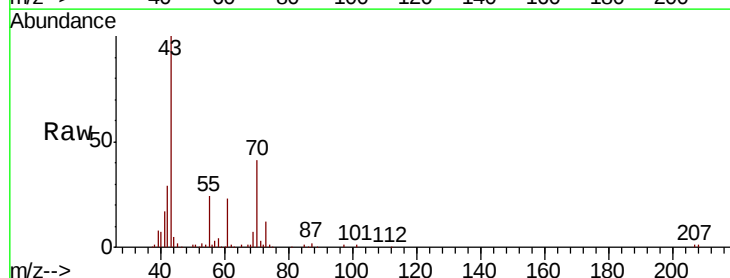
Ion Ratio Lower Upper

43 100

70 39.5 33.6 50.4

55 25.3 20.1 30.1

61 22.9 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

80000

60000

40000

20000

0

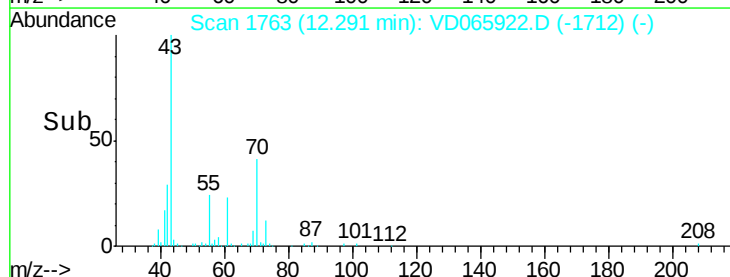
12.20

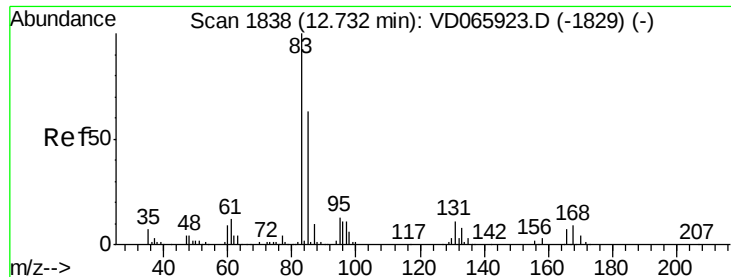
12.25

12.29

12.35

Time-->

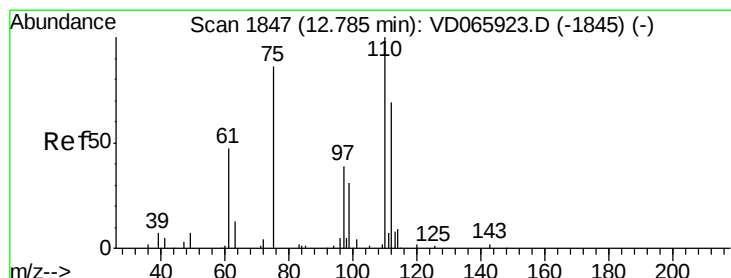
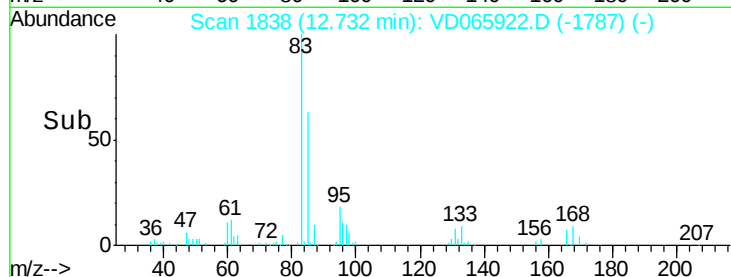
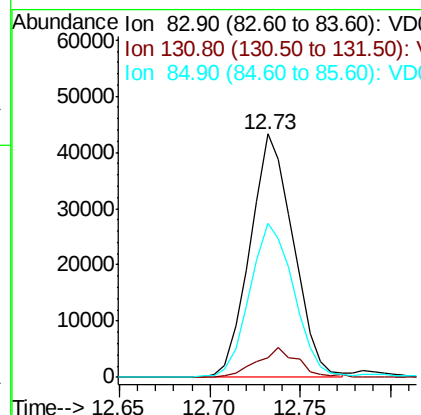
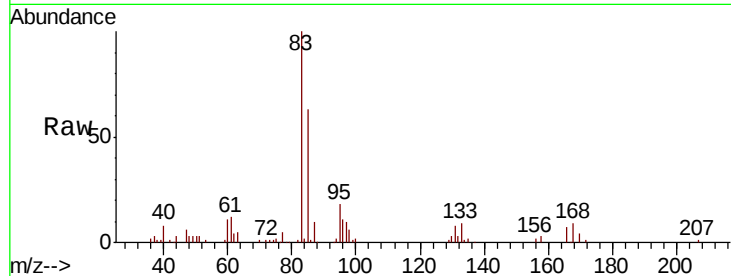




#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.396 ug/l
 RT: 12.73 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

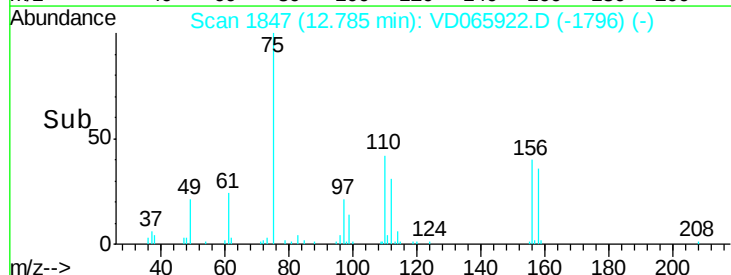
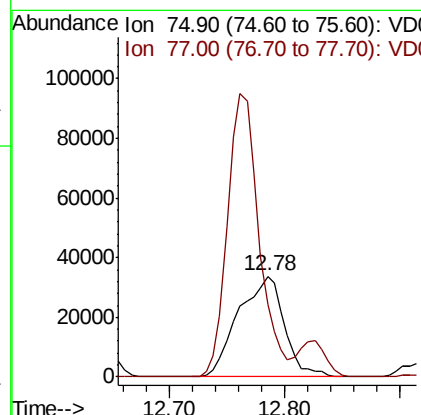
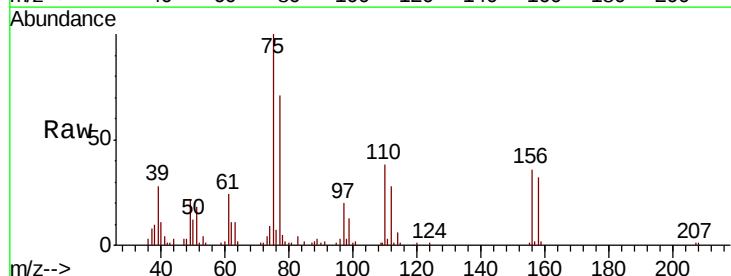
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

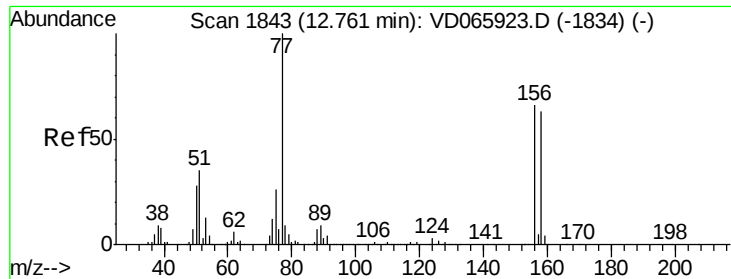
Tot Ion	83	Resp	71701
Ion Ratio	100		
Lower	5.6		
Upper	16.8		
85	64.8	32.6	98.0



#76
 1,2,3-Trichloropropane
 Concen: 36.848 ug/l
 RT: 12.78 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Tgt Ion	75	Resp	93401
Ion Ratio	100		
Lower	0.0		
Upper	0.0		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.649 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

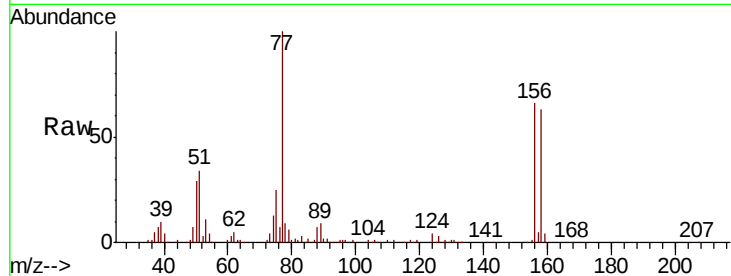
Tot Ion:156 Resp: 106049

Ion Ratio Lower Upper

156 100

77 170.2 85.0 255.0

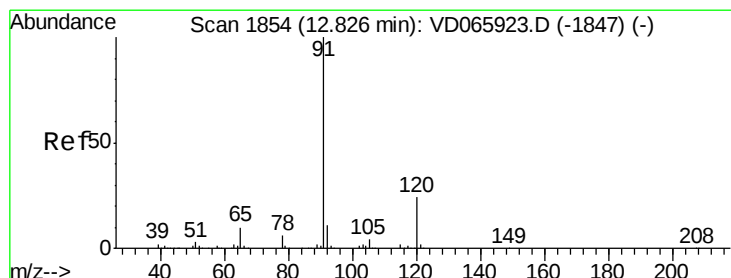
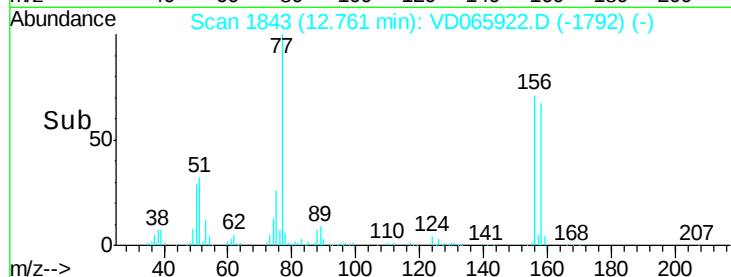
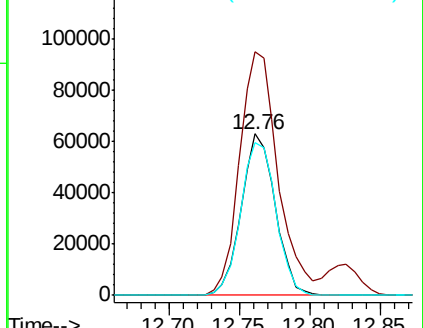
158 98.2 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.967 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065922.D

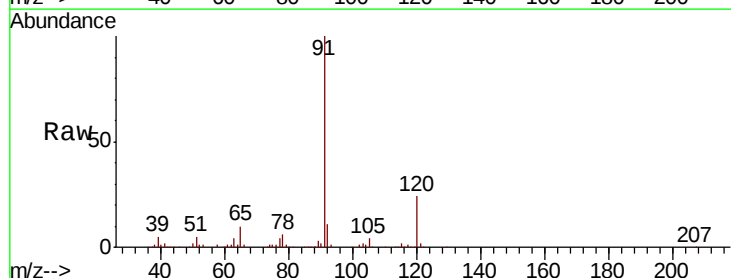
Acq: 07 Jul 2020 14:34

Tgt Ion: 91 Resp: 520528

Ion Ratio Lower Upper

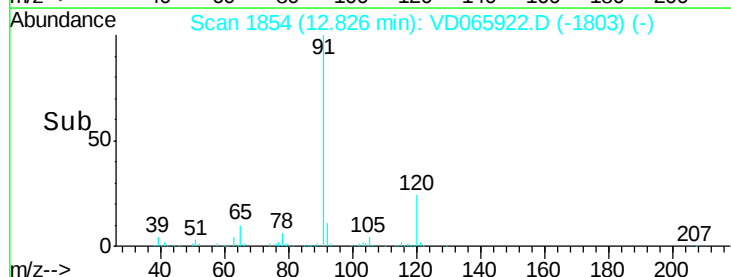
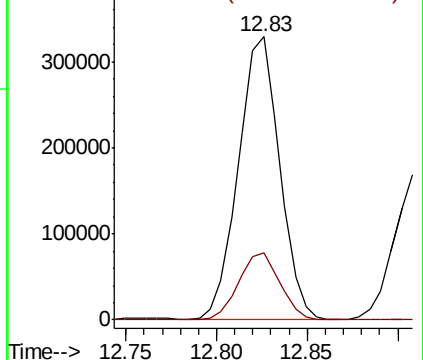
91 100

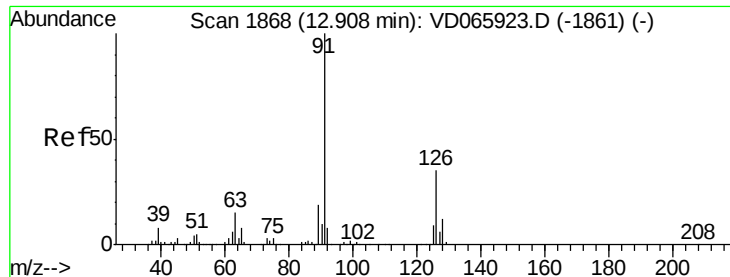
120 23.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.766 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

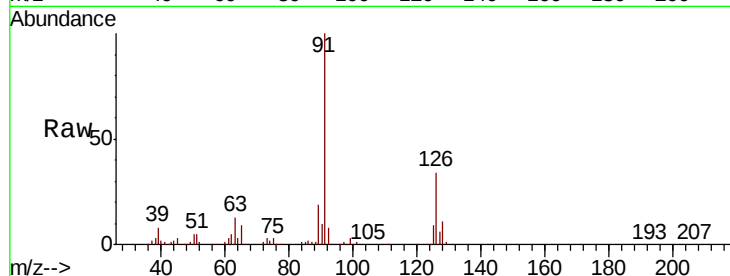
VSTDIC020

Tot Ion: 91 Resp: 292462

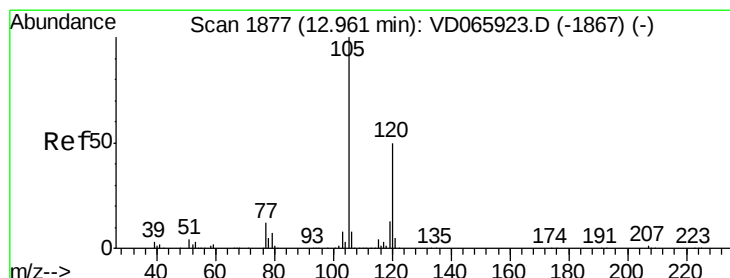
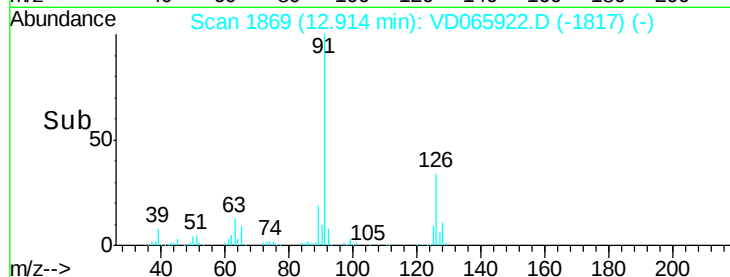
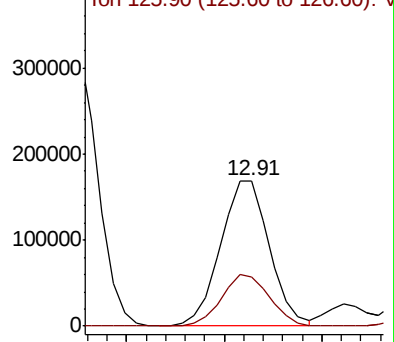
Ion Ratio Lower Upper

91 100

126 34.9 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 20.991 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD065922.D

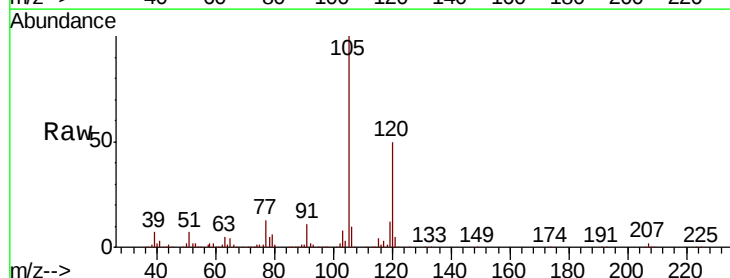
Acq: 07 Jul 2020 14:34

Tgt Ion:105 Resp: 363564

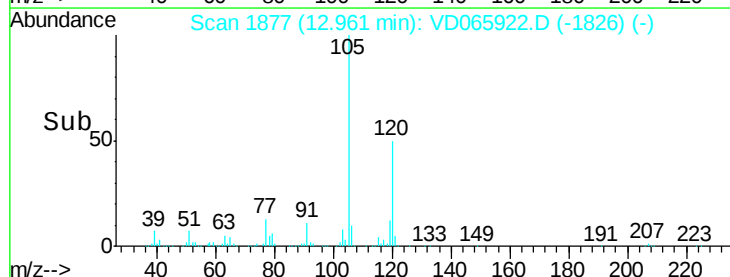
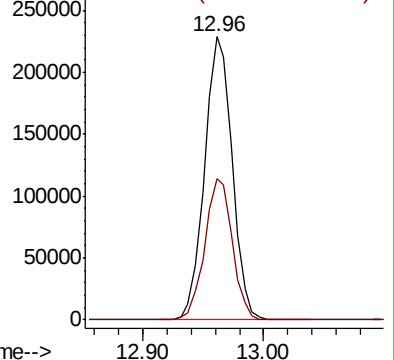
Ion Ratio Lower Upper

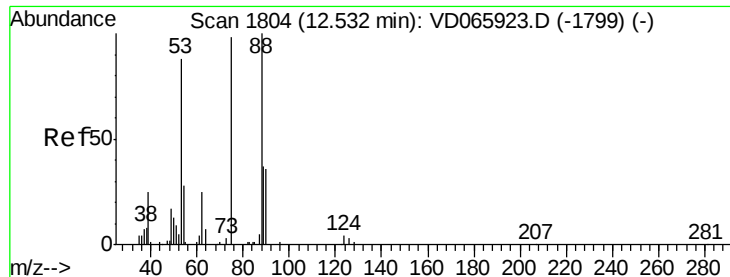
105 100

120 50.0 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.879 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

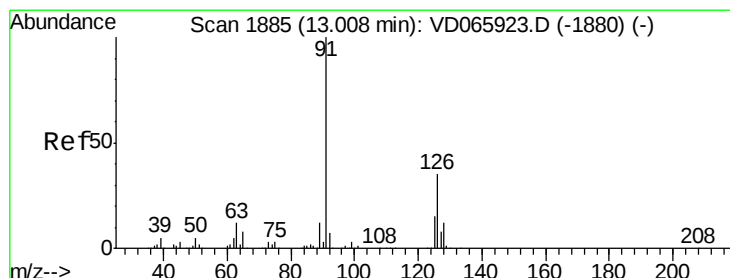
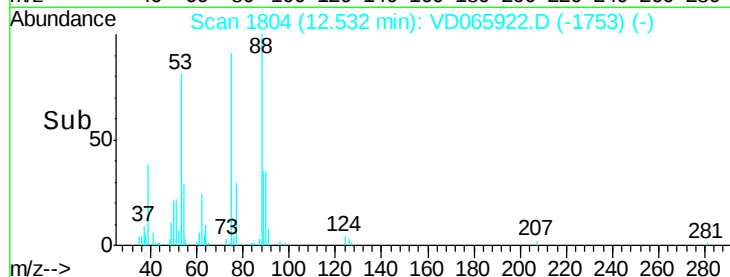
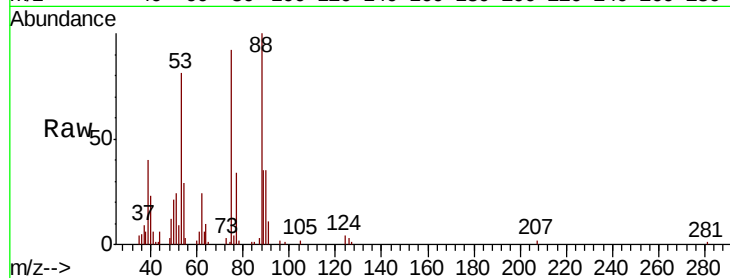
Tot Ion: 75 Resp: 24731

Ion Ratio Lower Upper

75 100

53 99.3 75.8 113.8

89 45.9 37.5 56.3



#82

4-Chlorotoluene

Concen: 20.556 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD065922.D

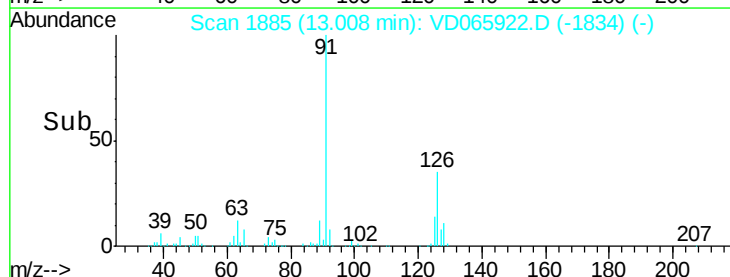
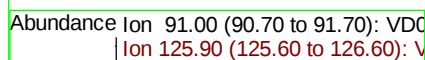
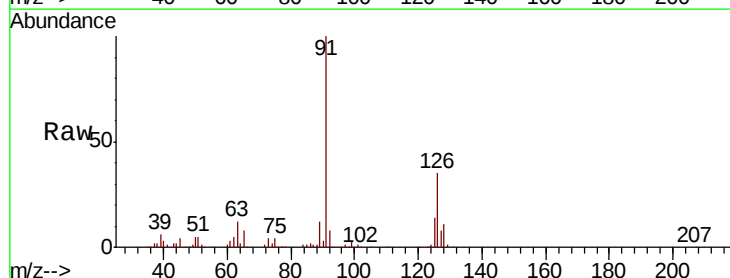
Acq: 07 Jul 2020 14:34

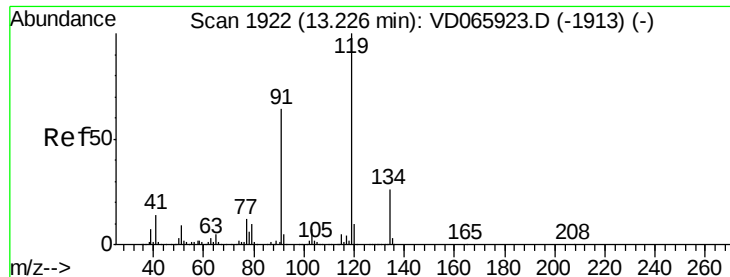
Tgt Ion: 91 Resp: 303743

Ion Ratio Lower Upper

91 100

126 34.9 17.3 51.7

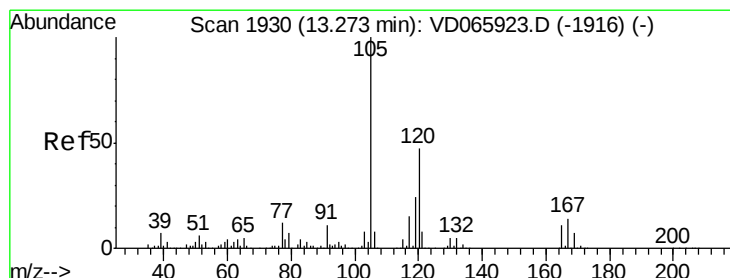
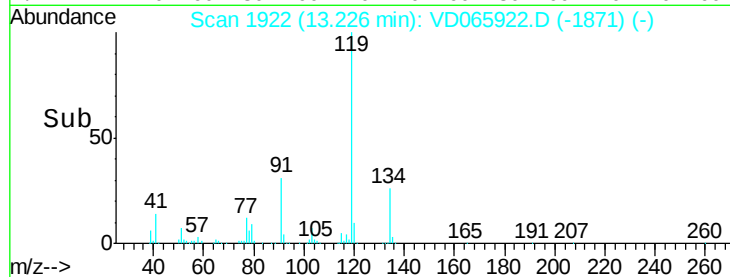
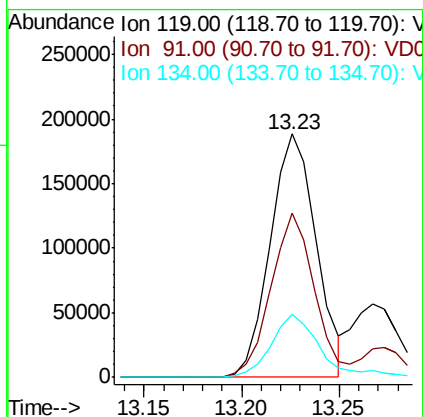
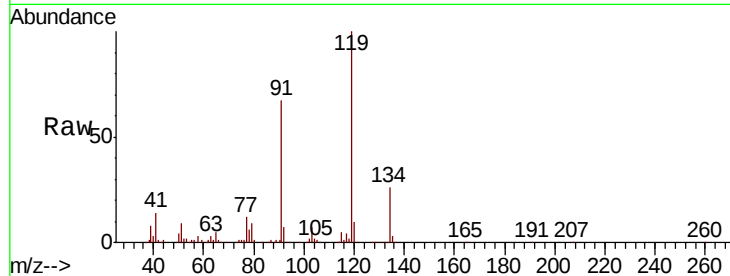




#83
tert-Butylbenzene
Concen: 20.894 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

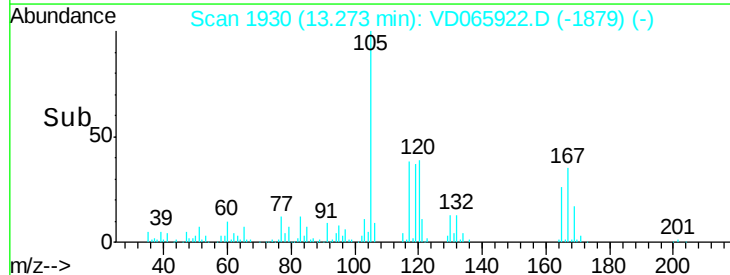
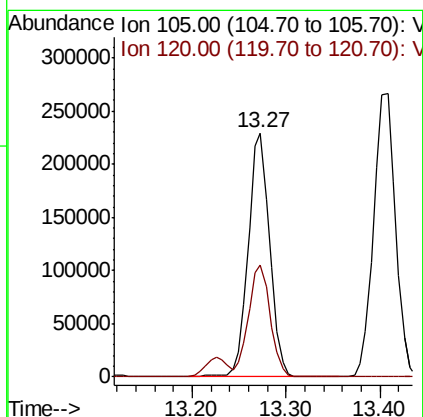
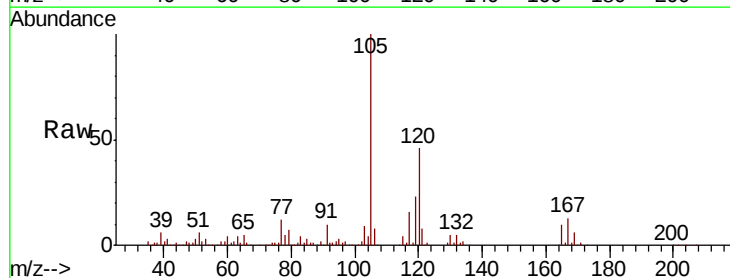
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

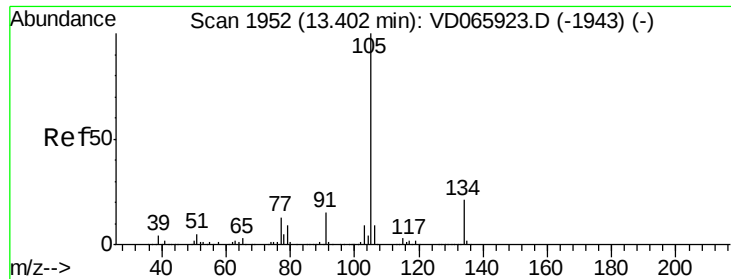
Tot Ion:119 Resp: 308309
Ion Ratio Lower Upper
119 100
91 64.0 32.4 97.2
134 27.4 14.1 42.4



#84
1,2,4-Trimethylbenzene
Concen: 20.980 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion:105 Resp: 361704
Ion Ratio Lower Upper
105 100
120 46.7 23.2 69.5





#85

sec-Butylbenzene

Concen: 20.641 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

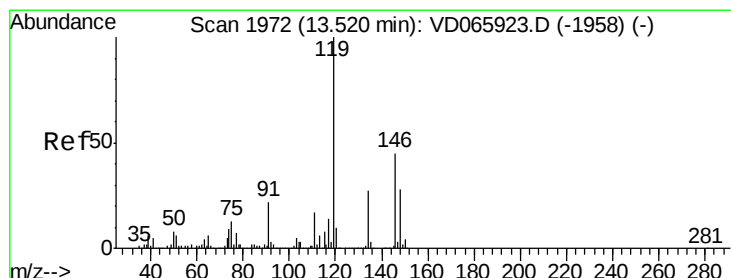
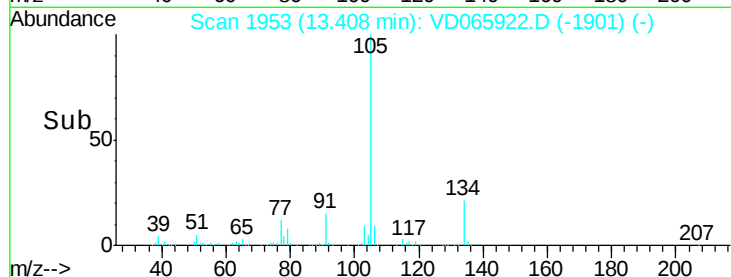
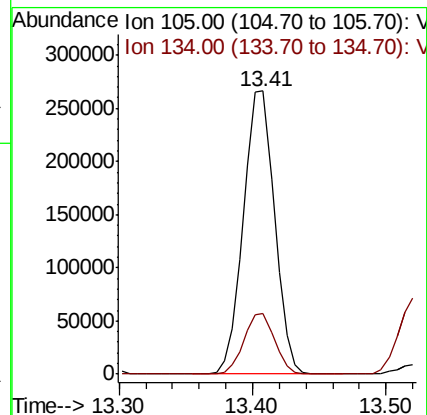
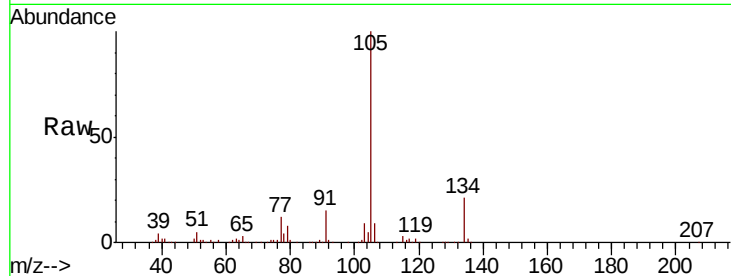
VSTDIC020

Tot Ion:105 Resp: 431637

Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.1



#86

p-Isopropyltoluene

Concen: 20.591 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

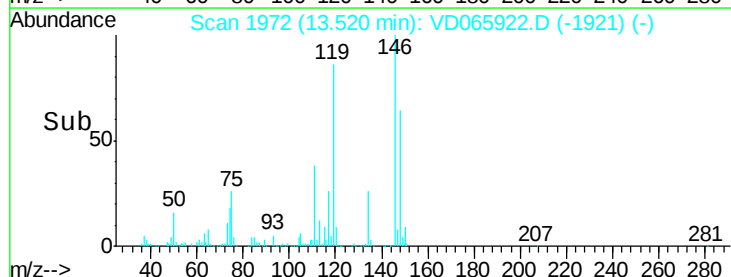
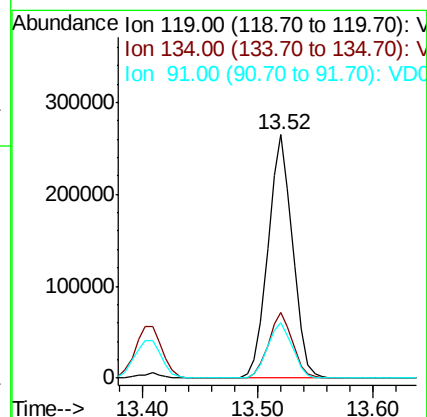
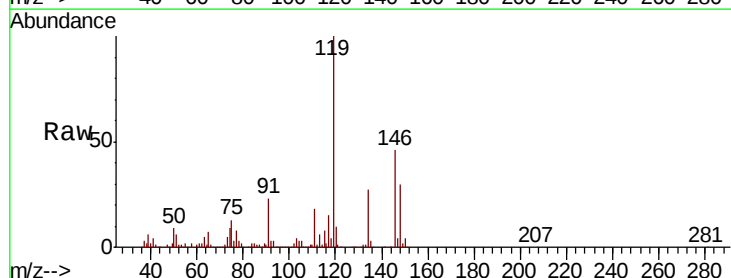
Tgt Ion:119 Resp: 393835

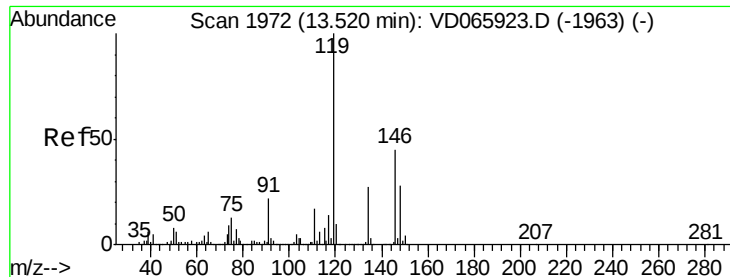
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

91 23.0 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 21.061 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

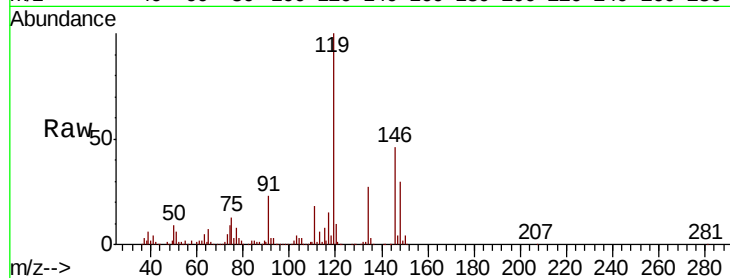
Tot Ion:146 Resp: 202399

Ion Ratio Lower Upper

146 100

111 39.4 19.3 57.8

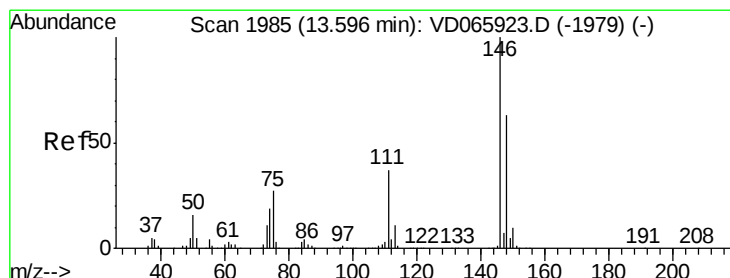
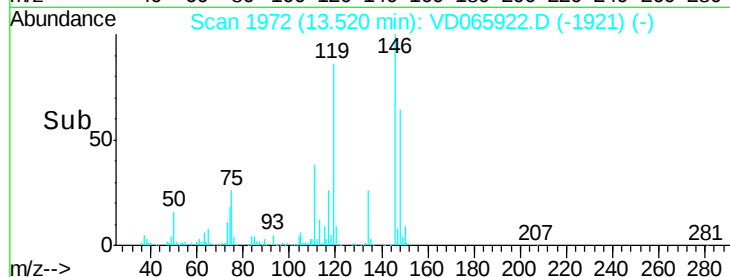
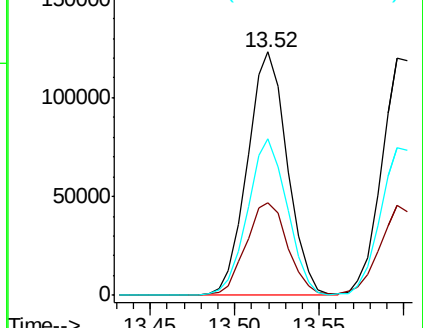
148 63.6 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.750 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

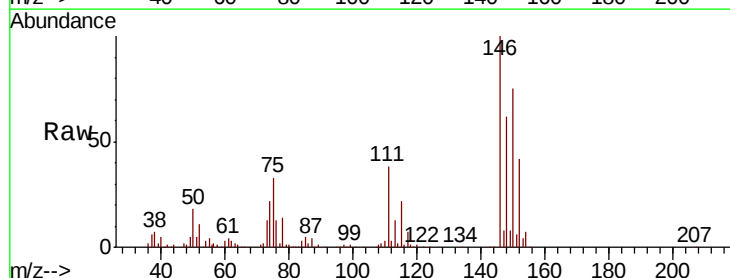
Tgt Ion:146 Resp: 198946

Ion Ratio Lower Upper

146 100

111 38.3 18.9 56.7

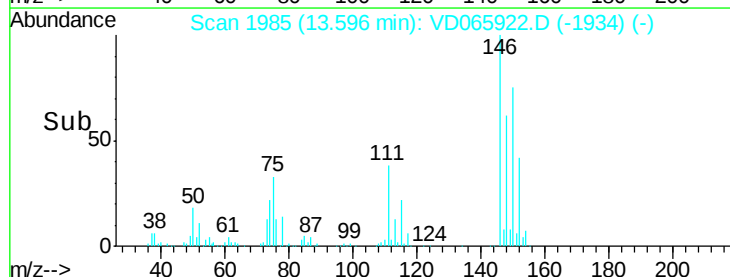
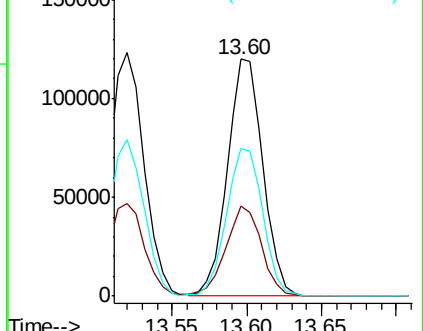
148 64.1 32.1 96.3

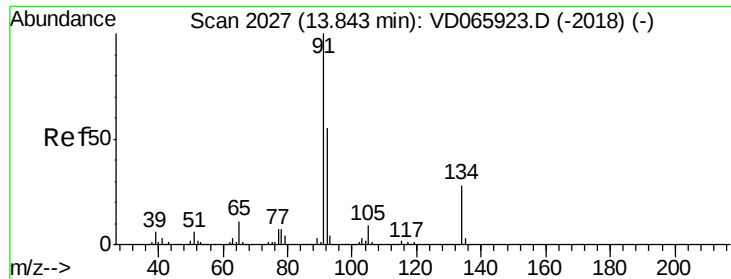


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

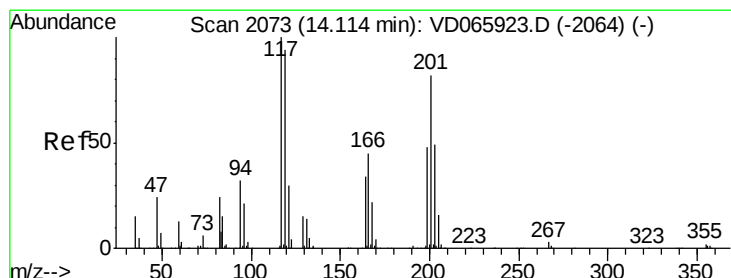
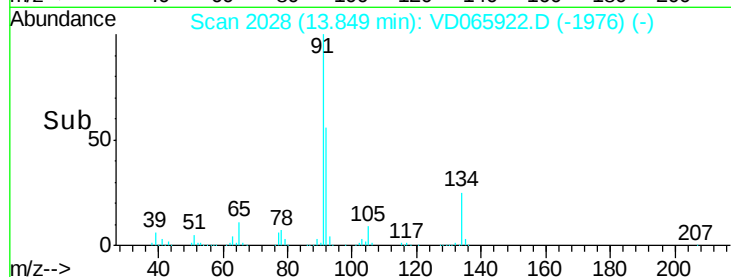
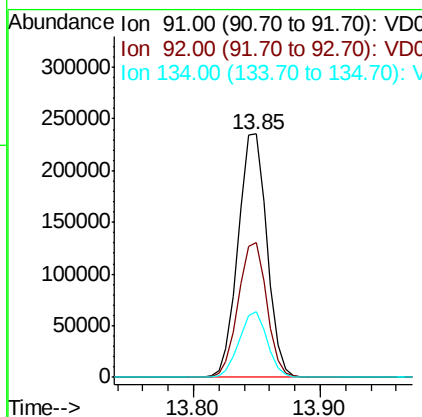
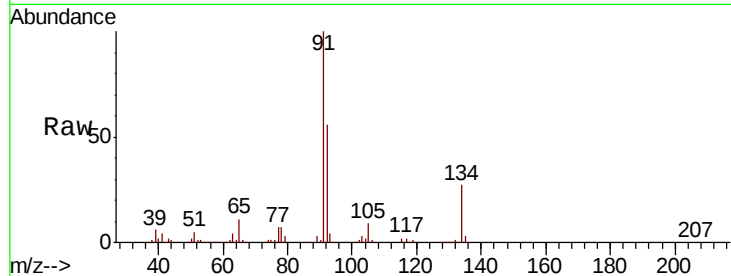




#89
n-Butylbenzene
Concen: 20.617 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

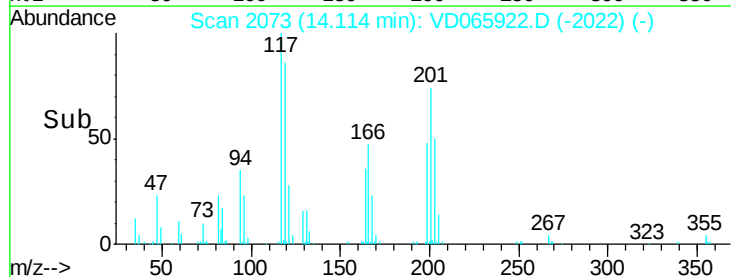
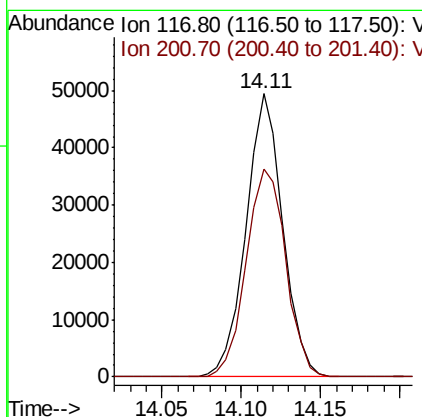
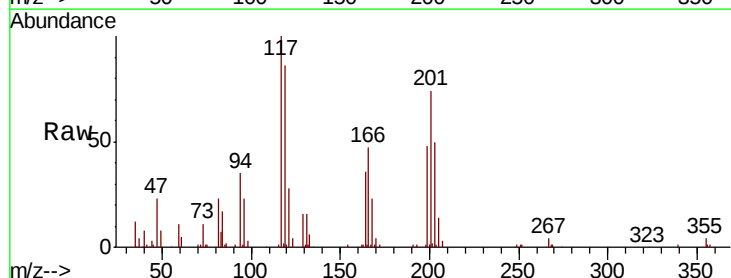
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

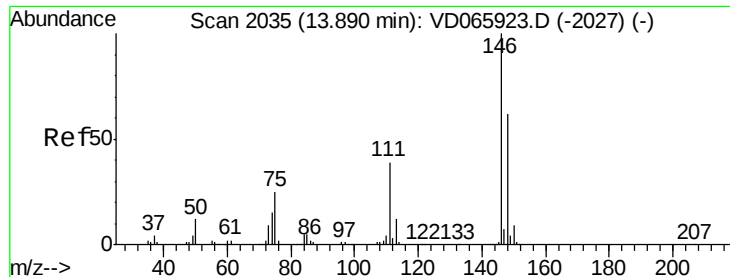
Tot Ion: 91 Resp: 370319
Ion Ratio Lower Upper
91 100
92 54.7 27.2 81.6
134 26.4 13.8 41.3



#90
Hexachloroethane
Concen: 20.613 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion: 117 Resp: 79504
Ion Ratio Lower Upper
117 100
201 79.1 40.0 120.0

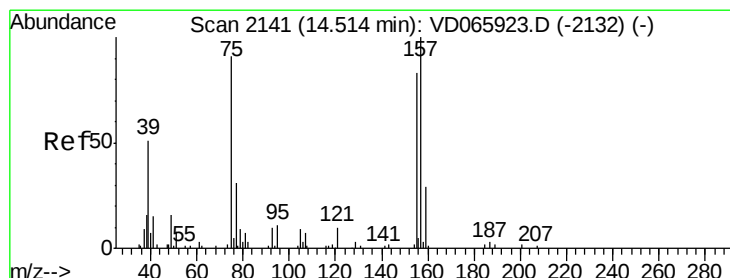
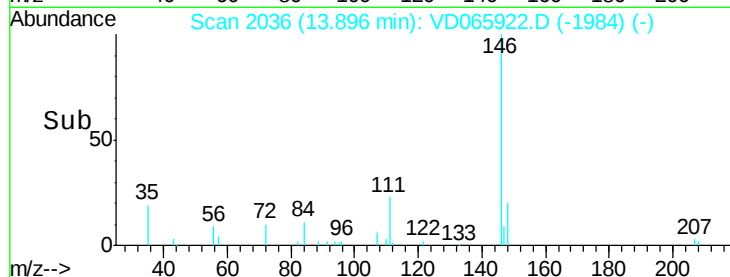
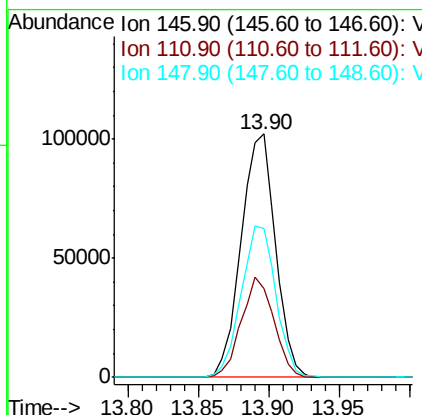
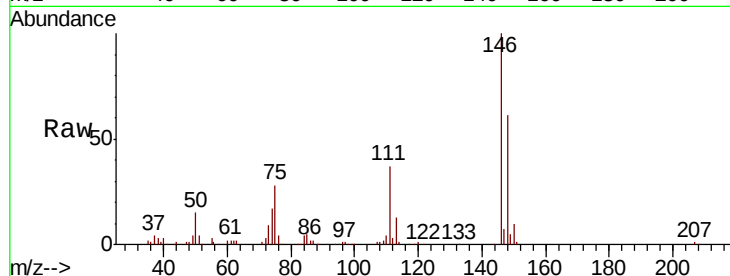




#91
 1,2-Dichlorobenzene
 Concen: 20.726 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

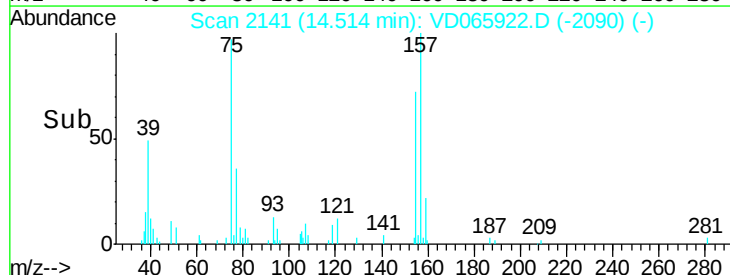
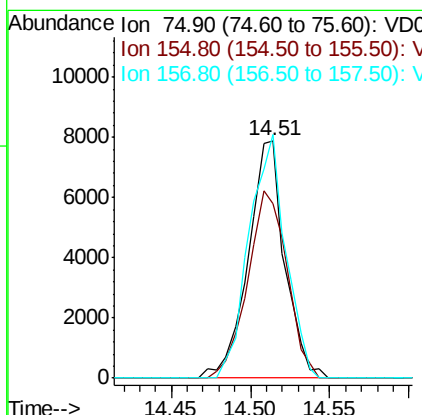
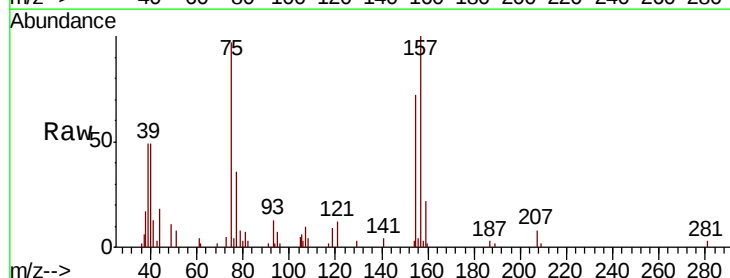
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

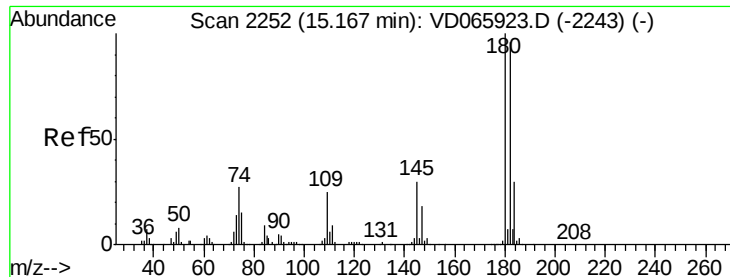
Tot Ion:146 Resp: 174086
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.7 59.0
 148 62.9 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.561 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD065922.D
 Acq: 07 Jul 2020 14:34

Tgt Ion: 75 Resp: 12674
 Ion Ratio Lower Upper
 75 100
 155 84.8 45.3 135.8
 157 102.5 56.9 170.6

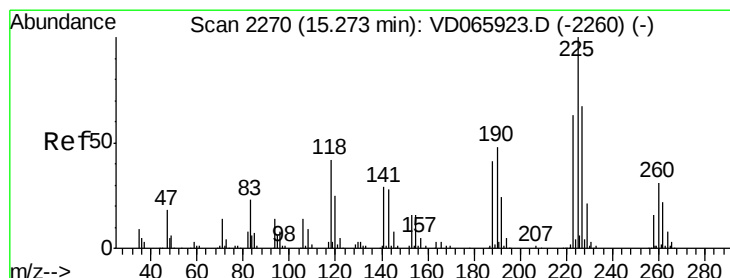
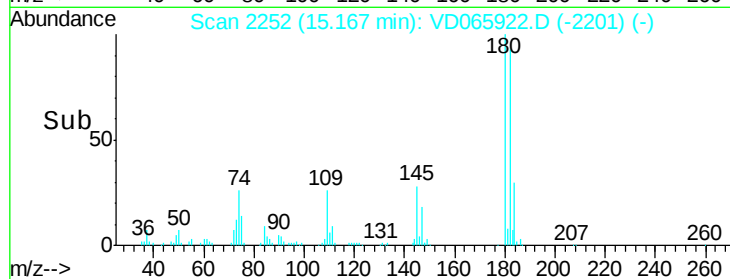
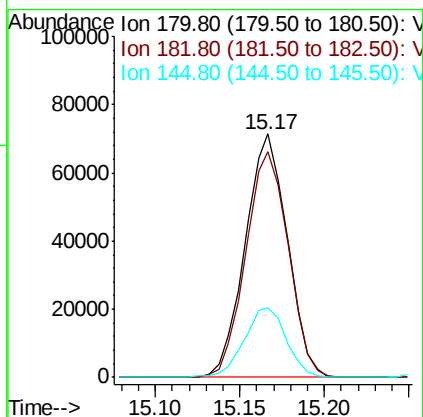
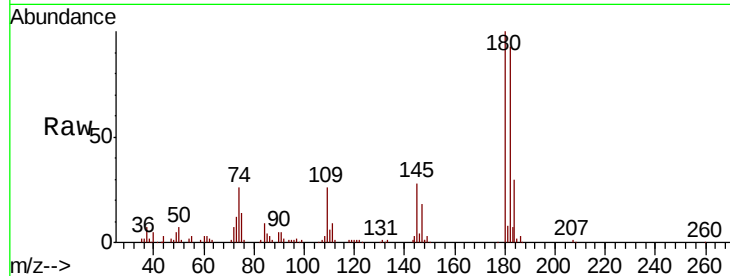




#93
1,2,4-Trichlorobenzene
Concen: 20.668 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

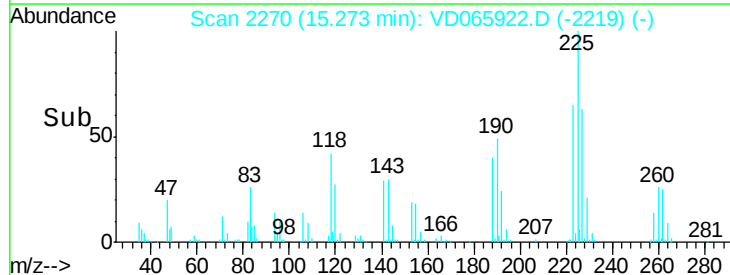
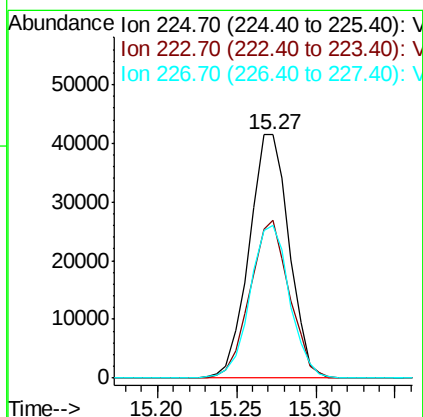
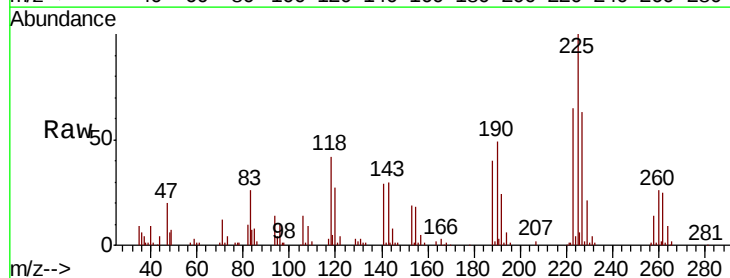
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

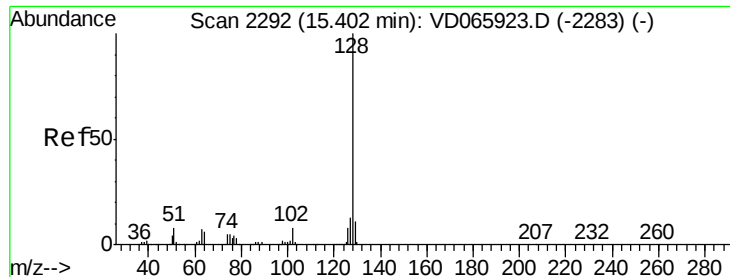
Tot Ion:180 Resp: 123724
Ion Ratio Lower Upper
180 100
182 93.7 48.5 145.6
145 28.4 15.0 45.1



#94
Hexachlorobutadiene
Concen: 20.117 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VD065922.D
Acq: 07 Jul 2020 14:34

Tgt Ion:225 Resp: 72847
Ion Ratio Lower Upper
225 100
223 63.8 31.1 93.2
227 62.0 31.6 95.0





#95

Naphthalene

Concen: 19.710 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

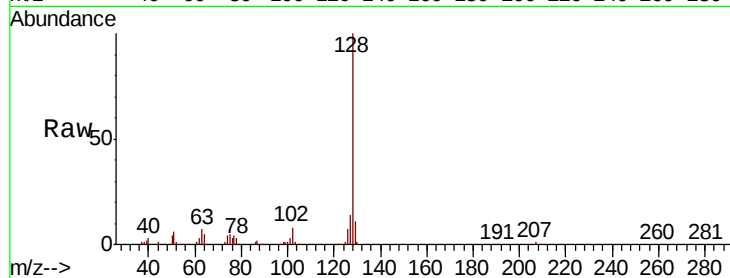
Tot Ion:128 Resp: 197891

Ion Ratio Lower Upper

128 100

127 13.1 10.8 16.2

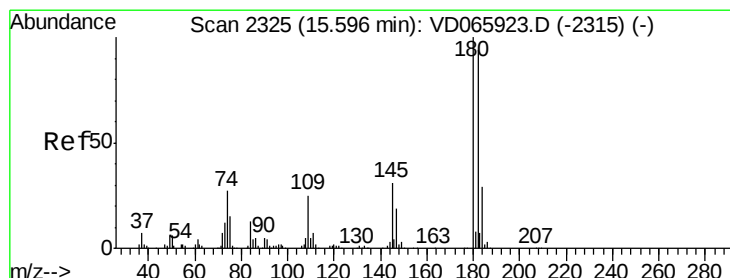
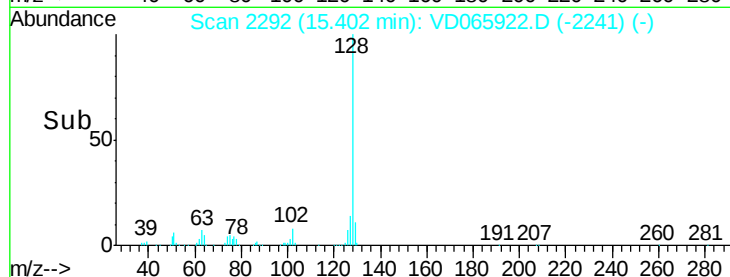
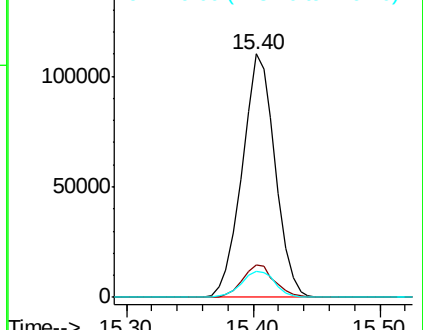
129 11.2 8.9 13.3



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: 20.856 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VD065922.D

Acq: 07 Jul 2020 14:34

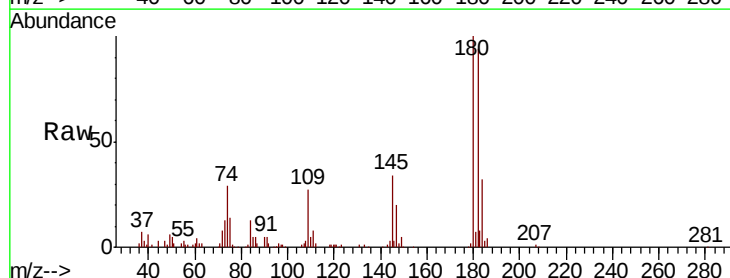
Tgt Ion:180 Resp: 107694

Ion Ratio Lower Upper

180 100

182 93.9 47.6 142.8

145 31.5 16.1 48.2



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

