

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050620\
 Data File : VD065695.D
 Acq On : 06 May 2020 14:17
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 06 15:58:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 15:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	513337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	800872	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	697524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	329531	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	27123	5.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.88%	
35) Dibromofluoromethane	7.92	113	26066	4.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.46%	
50) Toluene-d8	10.34	98	100339	4.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.94%	
62) 4-Bromofluorobenzene	12.64	95	36782	5.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.16%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	24640	5.519	ug/l	96
3) Chloromethane	2.21	50	28470	5.055	ug/l	97
4) Vinyl Chloride	2.34	62	27982	5.274	ug/l	97
5) Bromomethane	2.77	94	17514	4.717	ug/l	91
6) Chloroethane	2.92	64	17997	5.449	ug/l	96
7) Trichlorofluoromethane	3.27	101	44859	5.477	ug/l	96
8) Diethyl Ether	3.71	74	13914	7.611	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	27087	5.144	ug/l	96
10) Methyl Iodide	4.30	142	21013	4.158	ug/l	97
11) Tert butyl alcohol	5.22	59	15024	54.622	ug/l #	81
12) 1,1-Dichloroethene	4.07	96	27244	5.549	ug/l	99
13) Acrolein	3.93	56	11395	32.227	ug/l	90
14) Allyl chloride	4.71	41	52233	6.802	ug/l	98
15) Acrylonitrile	5.42	53	33391	32.315	ug/l	93
16) Acetone	4.16	43	27982	29.560	ug/l	91
17) Carbon Disulfide	4.40	76	86037	5.284	ug/l	99
18) Methyl Acetate	4.72	43	16355	6.241	ug/l #	91
19) Methyl tert-butyl Ether	5.48	73	61255	6.197	ug/l	96
20) Methylene Chloride	4.96	84	30958	5.346	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	31388	5.698	ug/l	99
22) Diisopropyl ether	6.36	45	93432	6.396	ug/l	94
23) Vinyl Acetate	6.31	43	273521	34.252	ug/l	99
24) 1,1-Dichloroethane	6.26	63	52200	5.547	ug/l	100
25) 2-Butanone	7.21	43	42395	32.822	ug/l	94
26) 2,2-Dichloropropane	7.21	77	48483	5.747	ug/l	95
27) cis-1,2-Dichloroethene	7.21	96	32907	5.749	ug/l	99
28) Bromochloromethane	7.55	49	19716	5.109	ug/l	97
29) Tetrahydrofuran	7.57	42	28187	34.823	ug/l	96
30) Chloroform	7.71	83	50239	5.177	ug/l	86
31) Cyclohexane	7.98	56	63130	7.118	ug/l #	82
32) 1,1,1-Trichloroethane	7.91	97	48148	5.472	ug/l	98
36) 1,1-Dichloropropene	8.11	75	42856	5.298	ug/l	96
37) Ethyl Acetate	7.30	43	21734	6.824	ug/l #	92
38) Carbon Tetrachloride	8.10	117	42572	4.917	ug/l	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050620\
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 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 06 15:58:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 15:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	54657	5.943	ug/l	96
40) Benzene	8.36	78	112735	4.918	ug/l	98
41) Methacrylonitrile	7.53	41	13322	7.534	ug/l	93
42) 1,2-Dichloroethane	8.43	62	32532	5.014	ug/l	95
43) Isopropyl Acetate	8.46	43	40465	6.828	ug/l	98
44) Trichloroethene	9.11	130	30897	4.713	ug/l	99
45) 1,2-Dichloropropane	9.39	63	28407	5.019	ug/l	96
46) Dibromomethane	9.48	93	14891	4.926	ug/l	97
47) Bromodichloromethane	9.67	83	38859	4.918	ug/l	97
48) Methyl methacrylate	9.46	41	19714	7.039	ug/l	97
49) 1,4-Dioxane	9.47	88	3479	105.303	ug/l #	77
51) 4-Methyl-2-Pentanone	10.23	43	95725	31.826	ug/l	100
52) Toluene	10.41	92	71671	4.969	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	39025	5.450	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	46504	5.348	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	18989	4.495	ug/l	98
56) Ethyl methacrylate	10.67	69	27997	6.271	ug/l	95
57) 1,3-Dichloropropane	10.95	76	33210	4.701	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	61268	26.636	ug/l	99
59) 2-Hexanone	10.99	43	65600	32.631	ug/l	98
60) Dibromochloromethane	11.14	129	26291	4.705	ug/l	96
61) 1,2-Dibromoethane	11.26	107	19768	4.885	ug/l	100
64) Tetrachloroethene	10.88	164	26911	5.009	ug/l	97
65) Chlorobenzene	11.68	112	73356	4.985	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	27035	4.832	ug/l	97
67) Ethyl Benzene	11.75	91	137692	5.608	ug/l	100
68) m/p-Xylenes	11.86	106	104021	10.888	ug/l	99
69) o-Xylene	12.19	106	47313	5.665	ug/l	100
70) Styrene	12.20	104	80483	5.502	ug/l	100
71) Bromoform	12.37	173	14994	4.736	ug/l #	99
73) Isopropylbenzene	12.48	105	136059	6.448	ug/l	99
74) N-amyl acetate	12.30	43	37247	7.970	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	22374	5.719	ug/l	96
76) 1,2,3-Trichloropropane	12.80	75	30659	11.475	ug/l #	100
77) Bromobenzene	12.77	156	30371	5.354	ug/l	97
78) n-propylbenzene	12.83	91	154535	6.074	ug/l	99
79) 2-Chlorotoluene	12.91	91	87574	5.995	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	108780	6.126	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	8277	6.906	ug/l	90
82) 4-Chlorotoluene	13.01	91	93861	5.994	ug/l	98
83) tert-Butylbenzene	13.23	119	93034	6.296	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	108543	6.179	ug/l	98
85) sec-Butylbenzene	13.41	105	131783	6.220	ug/l	99
86) p-Isopropyltoluene	13.53	119	118168	6.094	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	56087	5.130	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	56736	5.199	ug/l	94
89) n-Butylbenzene	13.86	91	113721	6.374	ug/l	97
90) Hexachloroethane	14.12	117	23078	5.427	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	47269	5.074	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3774	6.068	ug/l	99

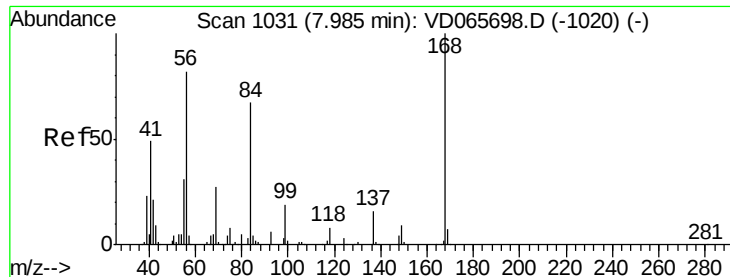
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050620\
Data File : VD065695.D
Acq On : 06 May 2020 14:17
Operator : VA/SY
Sample : VSTDICC005
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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: May 06 15:58:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
Quant Title : SW846 8260
QLast Update : Wed May 06 15:51:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	36914	5.895	ug/l	99
94) Hexachlorobutadiene	15.28	225	21368	5.052	ug/l	98
95) Naphthalene	15.41	128	65099	6.917	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	30668	5.682	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

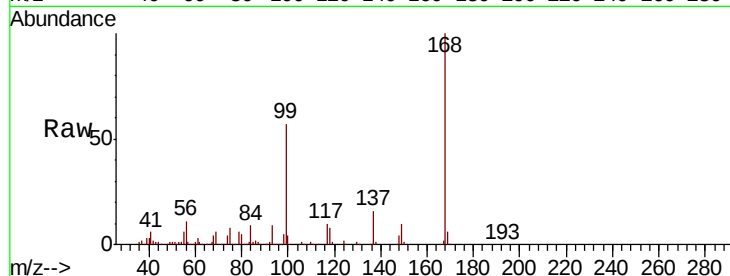
ClientSampleId :

Tot Ion:168 Resp: 513337

Ion Ratio Lower Upper

168 100

99 56.3 44.2 66.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

100000

50000

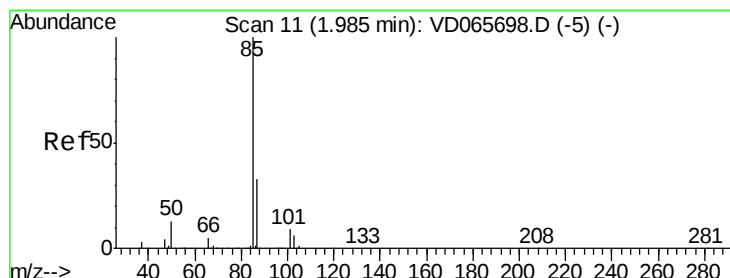
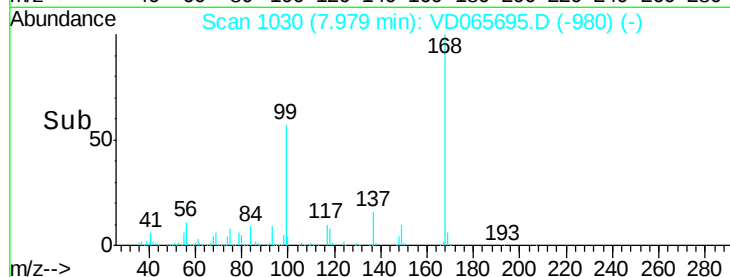
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 5.519 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065695.D

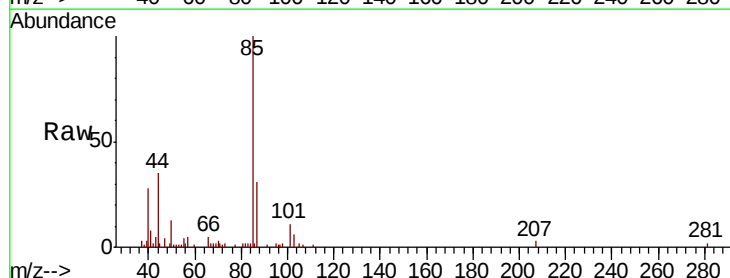
Acq: 06 May 2020 14:17

Tgt Ion: 85 Resp: 24640

Ion Ratio Lower Upper

85 100

87 30.7 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

20000

15000

10000

5000

0

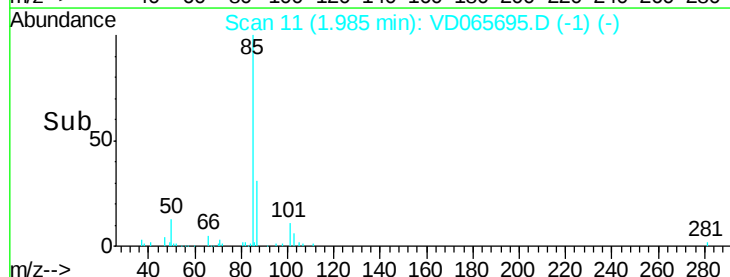
1.90

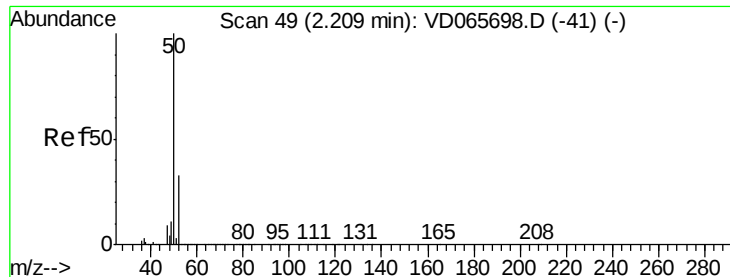
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 5.055 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

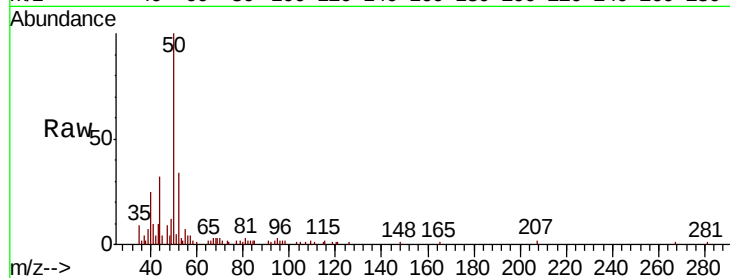
ClientSampleId :

Tot Ion: 50 Resp: 28470

Ion Ratio Lower Upper

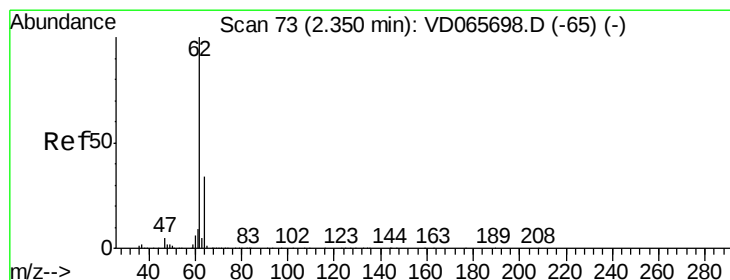
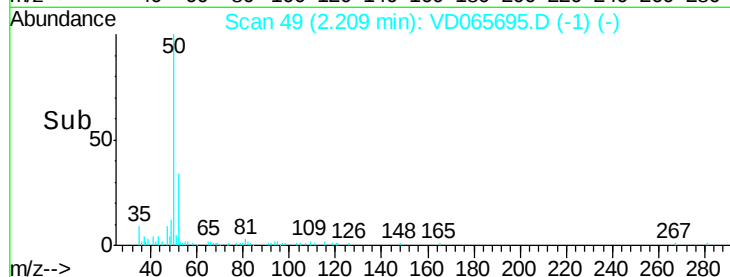
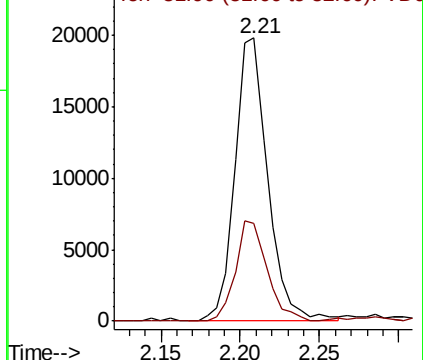
50 100

52 34.4 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 5.274 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD065695.D

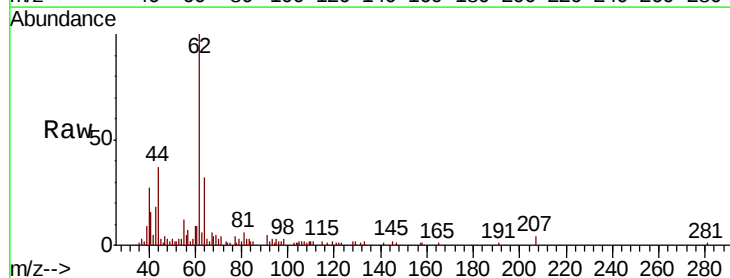
Acq: 06 May 2020 14:17

Tgt Ion: 62 Resp: 27982

Ion Ratio Lower Upper

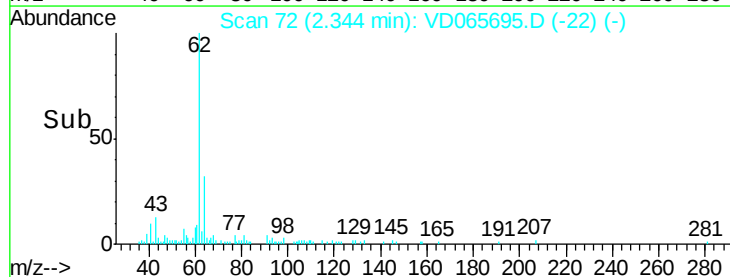
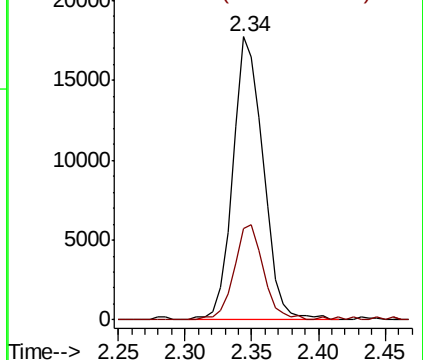
62 100

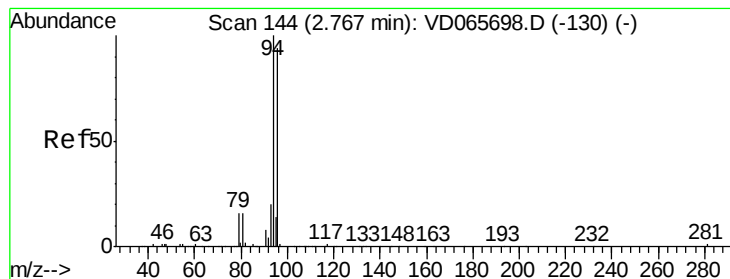
64 32.2 27.2 40.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 4.717 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

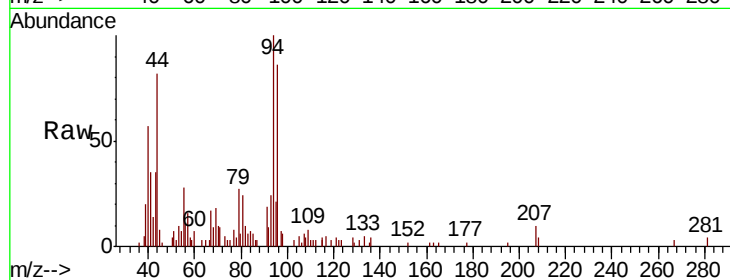
ClientSampleId :

Tot Ion: 94 Resp: 17514

Ion Ratio Lower Upper

94 100

96 85.5 75.0 112.6

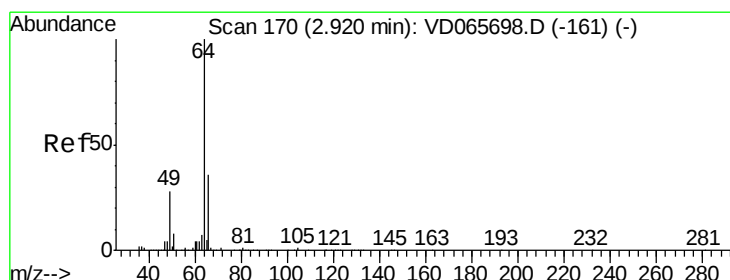
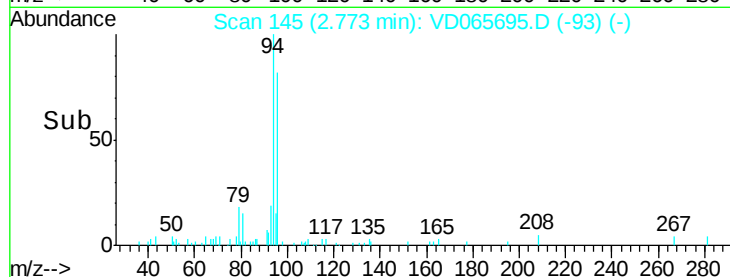


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

Time-->



#6

Chloroethane

Concen: 5.449 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065695.D

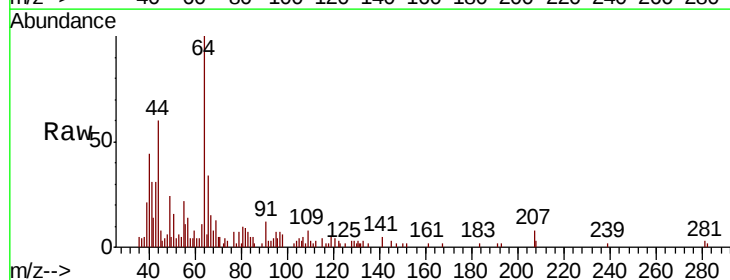
Acq: 06 May 2020 14:17

Tgt Ion: 64 Resp: 17997

Ion Ratio Lower Upper

64 100

66 33.5 28.5 42.7

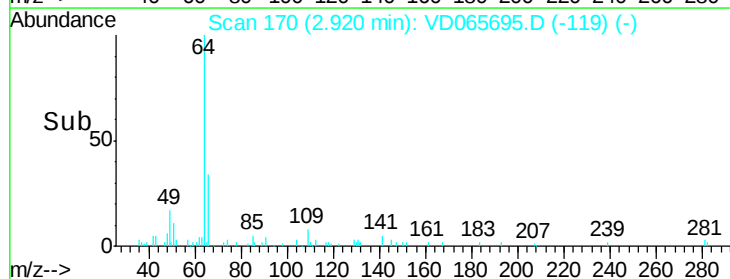


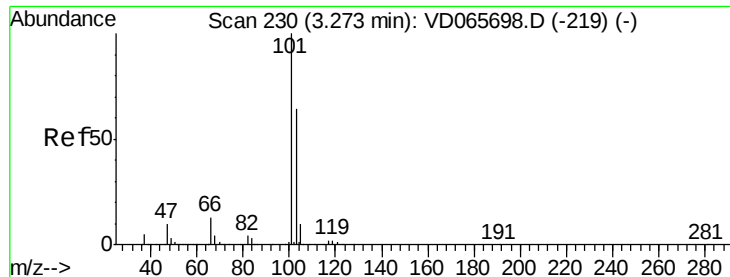
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

Time-->



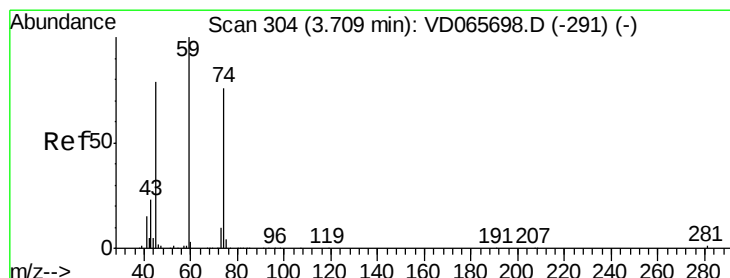
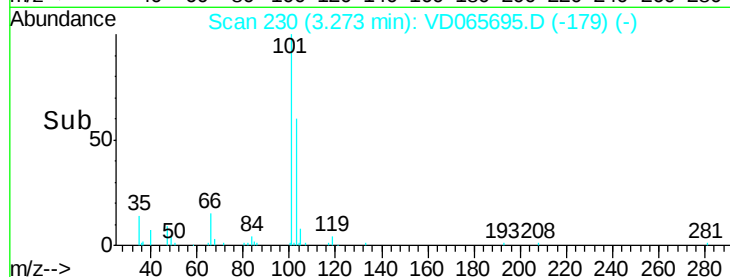
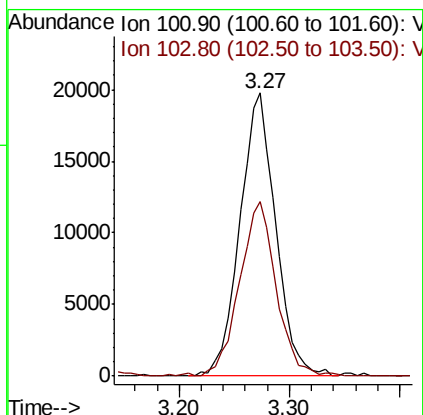
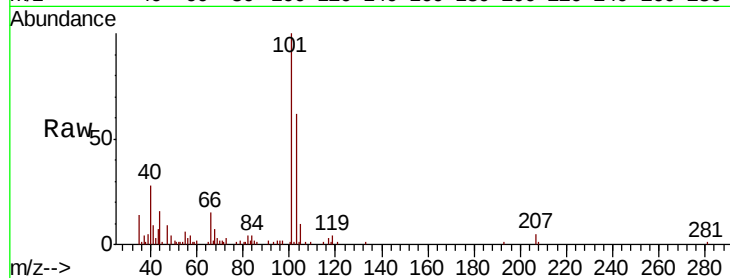


#7

Trichlorofluoromethane
 Concen: 5.477 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Instrument :
 MSVOA_D
 ClientSampleId :

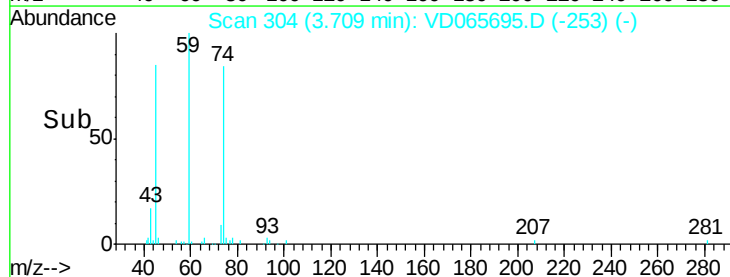
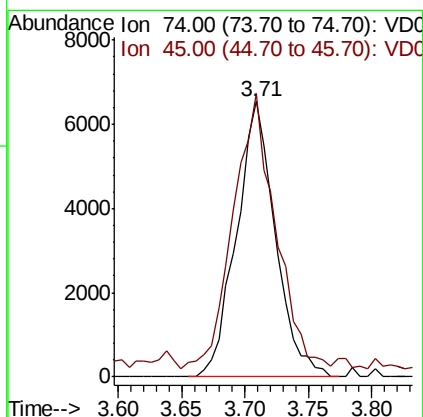
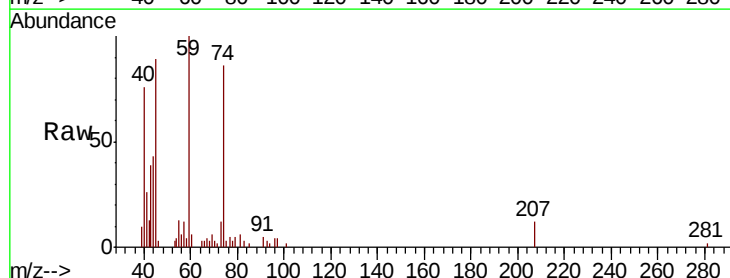
Tot Ion:101 Resp: 44859
 Ion Ratio Lower Upper
 101 100
 103 60.8 51.1 76.7

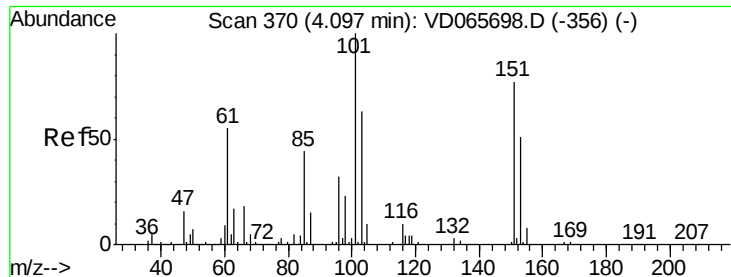


#8

Diethyl Ether
 Concen: 7.611 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Tgt Ion: 74 Resp: 13914
 Ion Ratio Lower Upper
 74 100
 45 109.4 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.144 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

ClientSampleId :

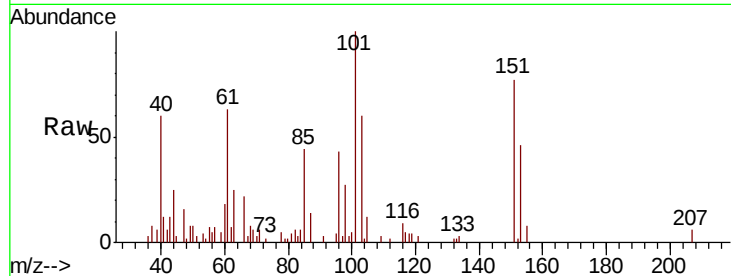
Tot Ion:101 Resp: 27087

Ion Ratio Lower Upper

101 100

85 48.3 34.4 51.6

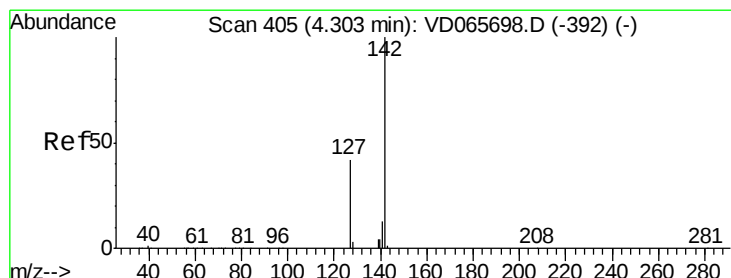
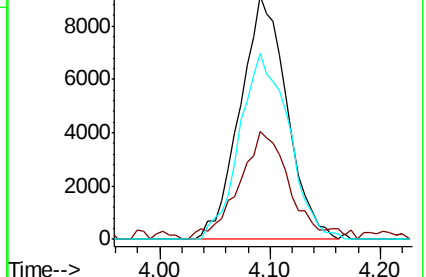
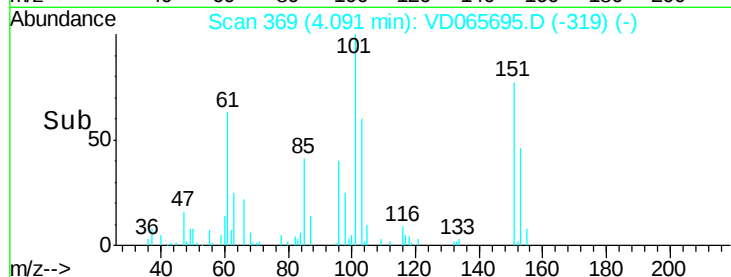
151 80.6 63.0 94.4



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: 4.158 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

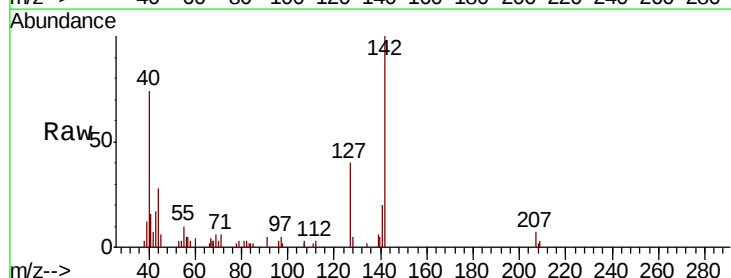
Tgt Ion:142 Resp: 21013

Ion Ratio Lower Upper

142 100

127 45.4 34.5 51.7

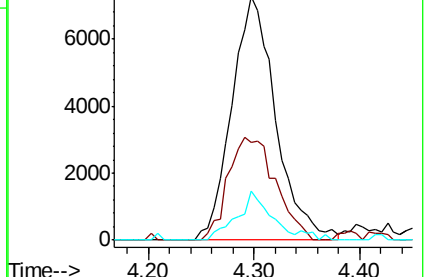
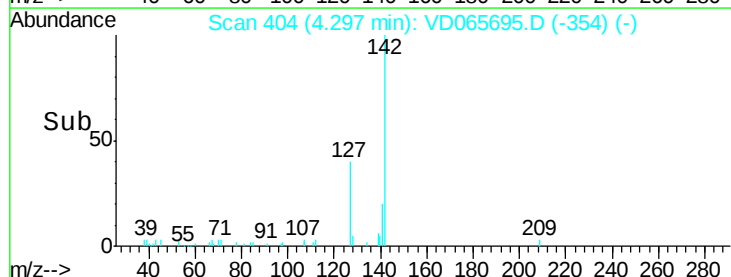
141 15.0 11.6 17.4

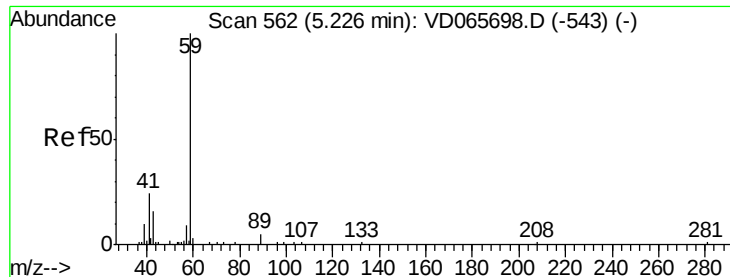


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



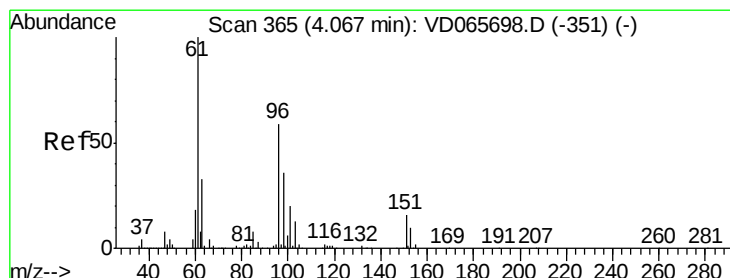
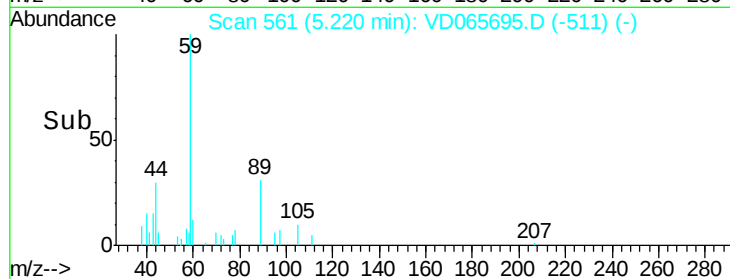
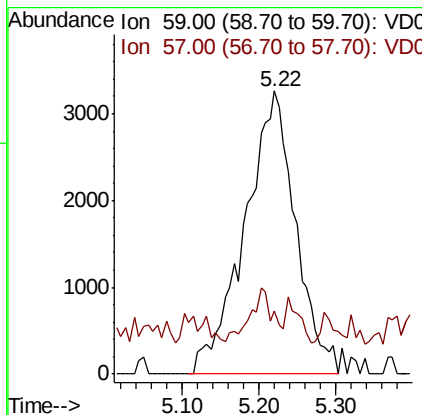
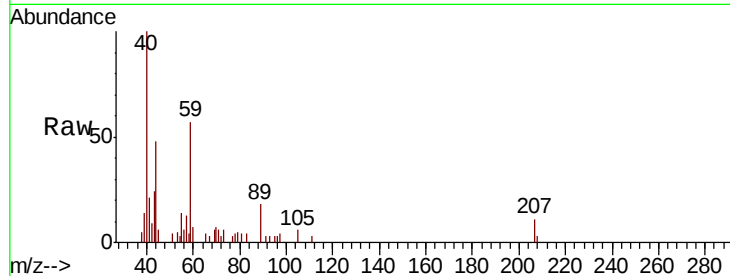


#11

Tert butyl alcohol
 Concen: 54.622 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Instrument :
 MSVOA_D
 ClientSampleId :

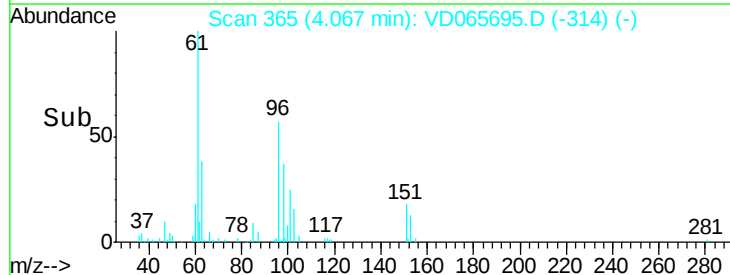
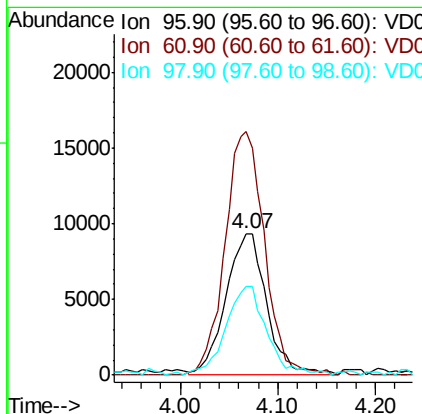
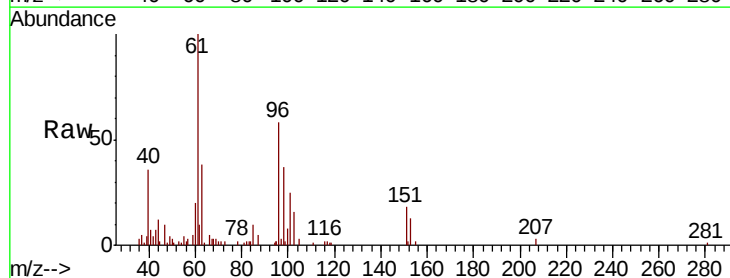
Tot Ion: 59 Resp: 15024
 Ion Ratio Lower Upper
 59 100
 57 3.9 8.7 13.1#

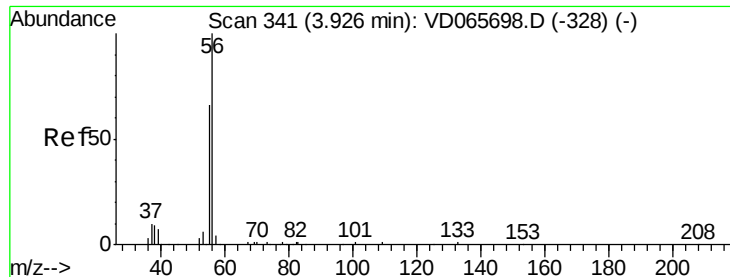


#12

1,1-Dichloroethene
 Concen: 5.549 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Tgt Ion: 96 Resp: 27244
 Ion Ratio Lower Upper
 96 100
 61 171.8 136.0 204.0
 98 61.2 49.7 74.5





#13

Acrolein

Concen: 32.227 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

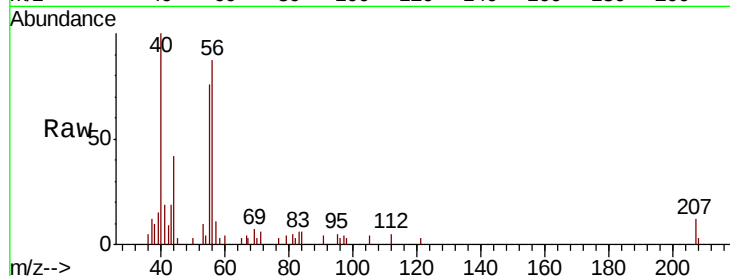
ClientSampleId :

Tot Ion: 56 Resp: 11395

Ion Ratio Lower Upper

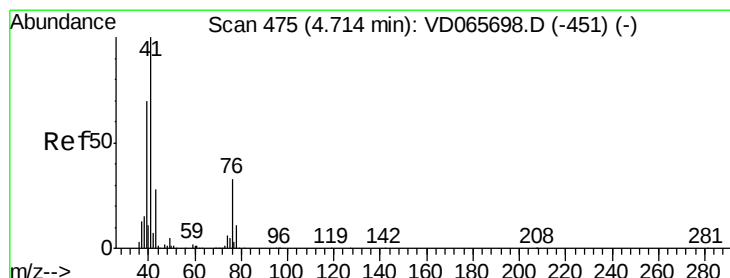
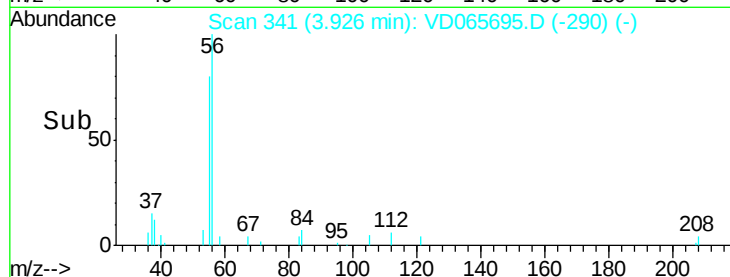
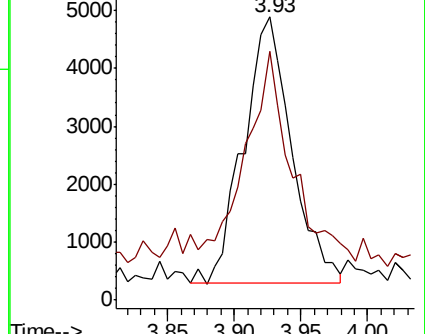
56 100

55 79.3 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 6.802 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

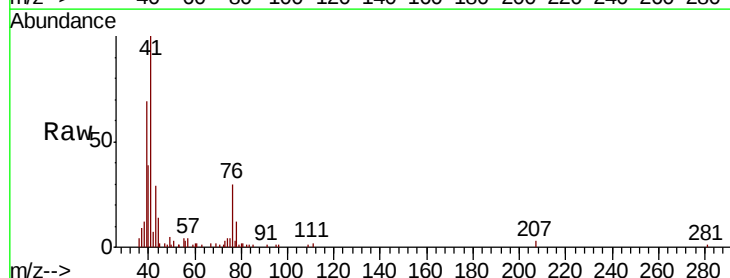
Tgt Ion: 41 Resp: 52233

Ion Ratio Lower Upper

41 100

39 71.5 55.6 83.4

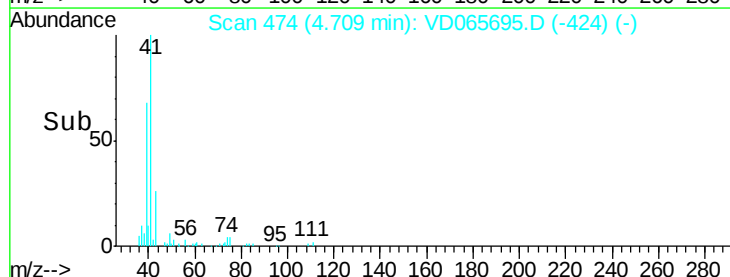
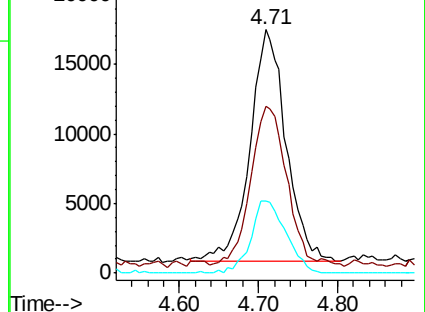
76 30.7 25.6 38.4

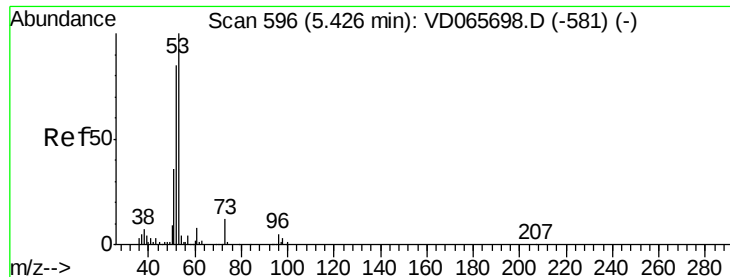


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

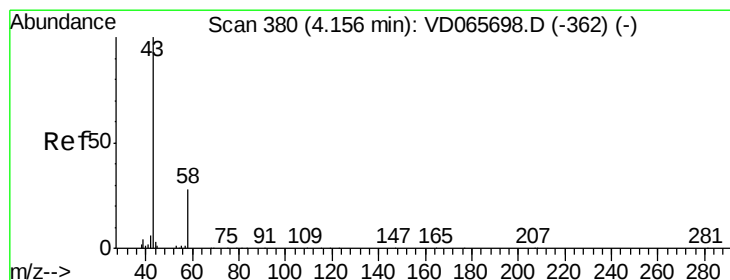
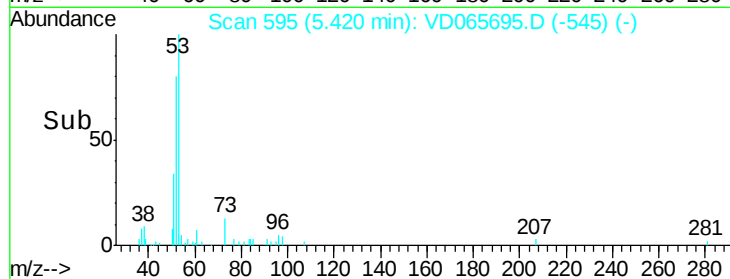
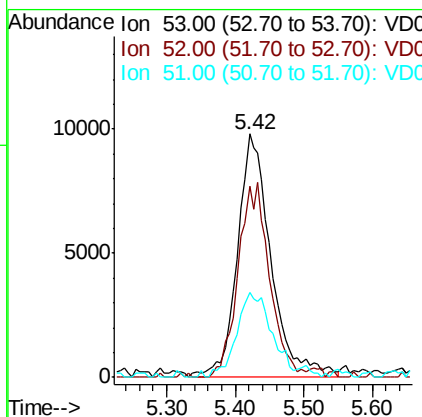
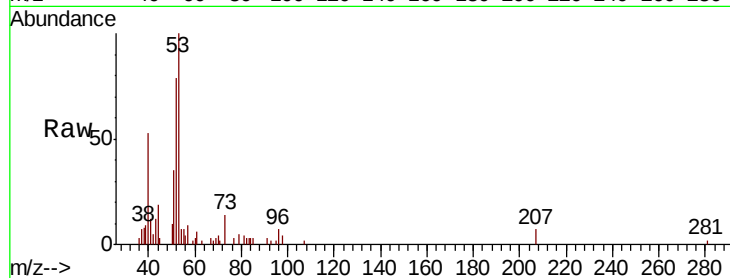




#15
 Acrylonitrile
 Concen: 32.315 ug/l
 RT: 5.42 min Scan# 595
 Delta R.T. -0.01 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

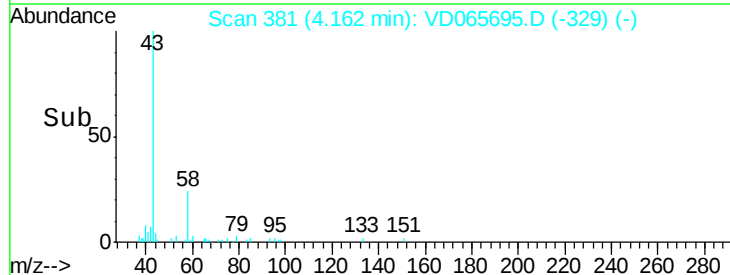
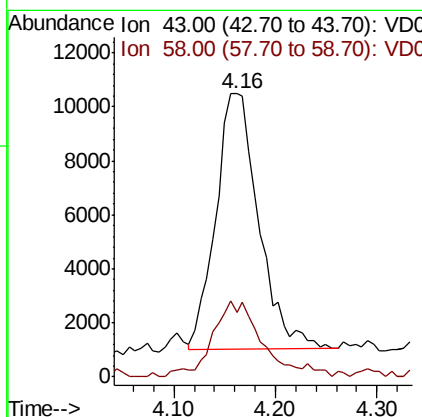
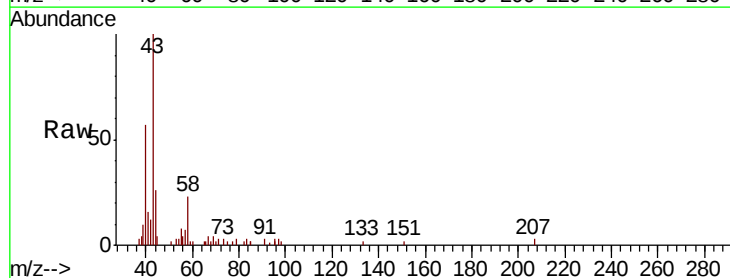
Instrument :
 MSVOA_D
 ClientSampleID :

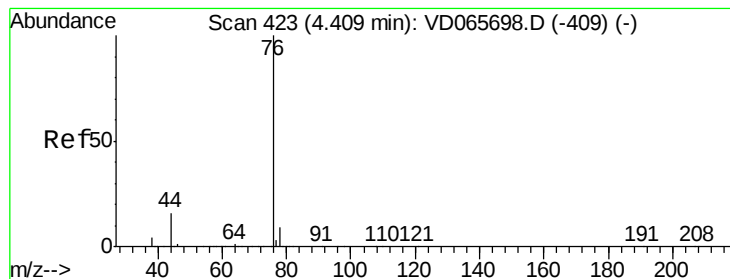
Tot Ion	53	Resp	33391
Ion	Ratio	Lower	Upper
53	100		
52	74.6	66.2	99.2
51	36.1	29.9	44.9



#16
 Acetone
 Concen: 29.560 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Tgt Ion	43	Resp	27982
Ion	Ratio	Lower	Upper
43	100		
58	23.3	22.5	33.7





#17

Carbon Disulfide

Concen: 5.284 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

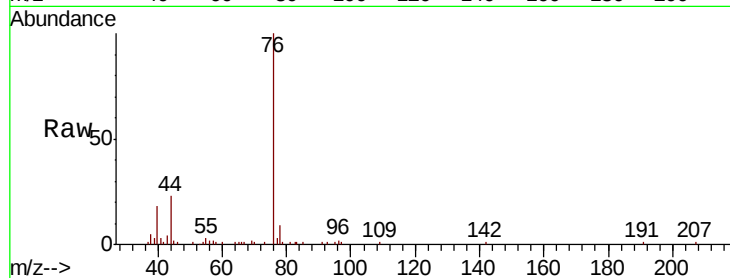
ClientSampleId :

Tot Ion: 76 Resp: 86037

Ion Ratio Lower Upper

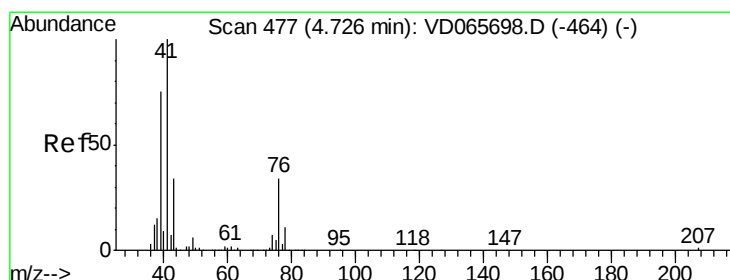
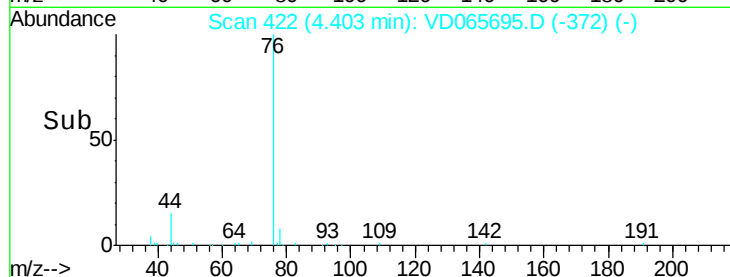
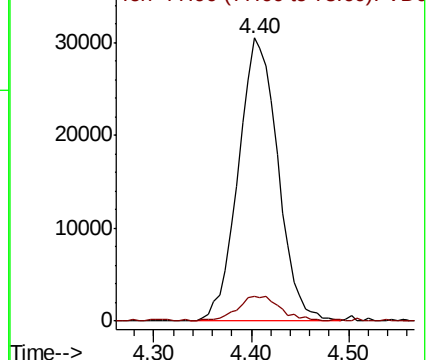
76 100

78 8.9 6.8 10.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 6.241 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065695.D

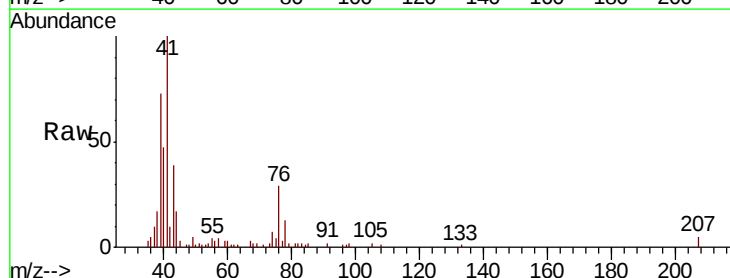
Acq: 06 May 2020 14:17

Tgt Ion: 43 Resp: 16355

Ion Ratio Lower Upper

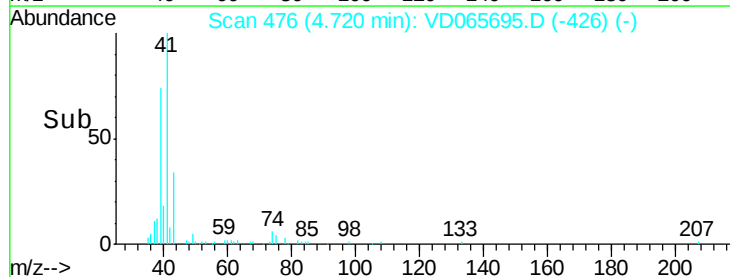
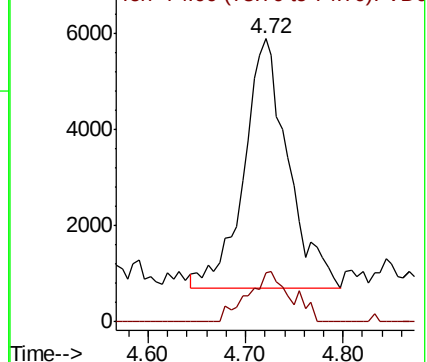
43 100

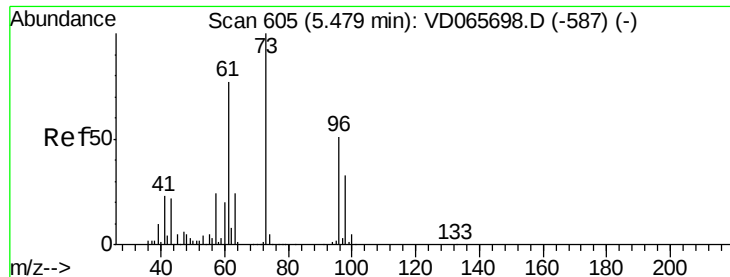
74 17.1 17.1 25.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



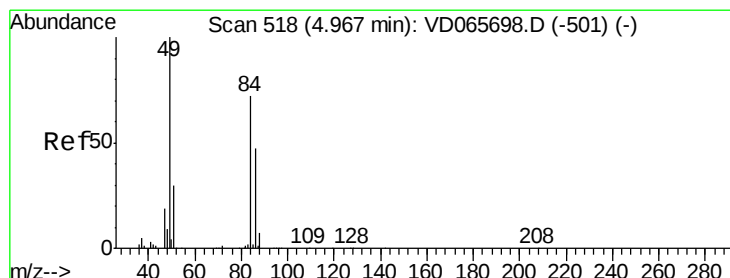
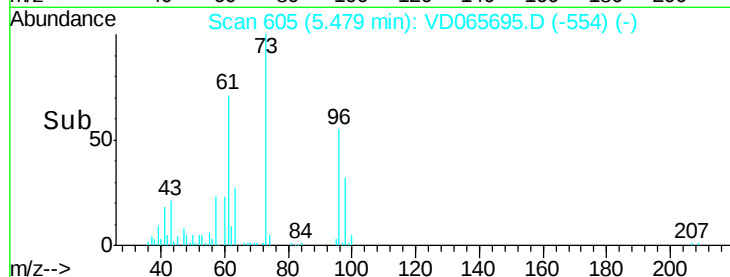
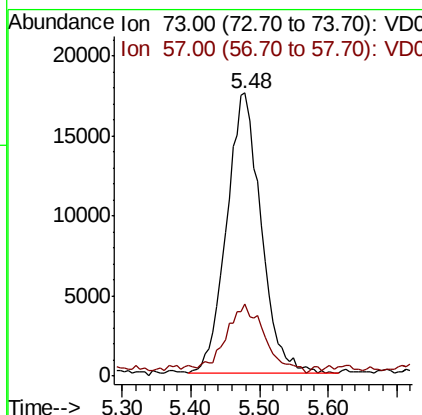
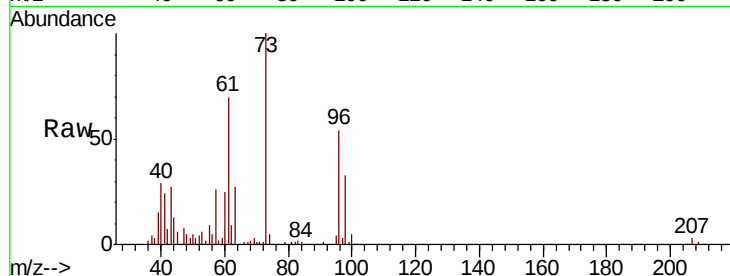


#19

Methyl tert-butyl Ether
 Concen: 6.197 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Instrument :
 MSVOA_D
 ClientSampled :

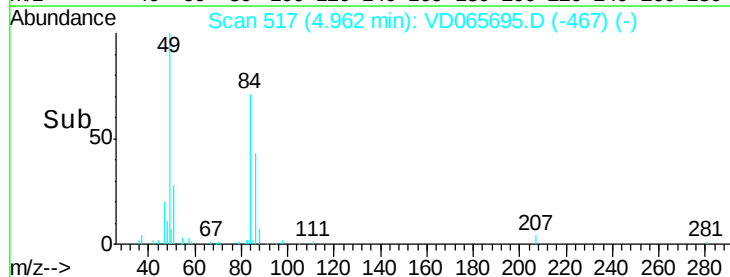
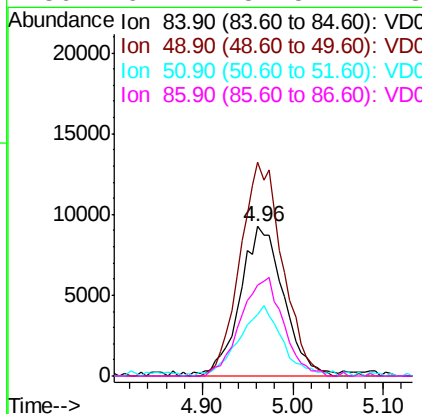
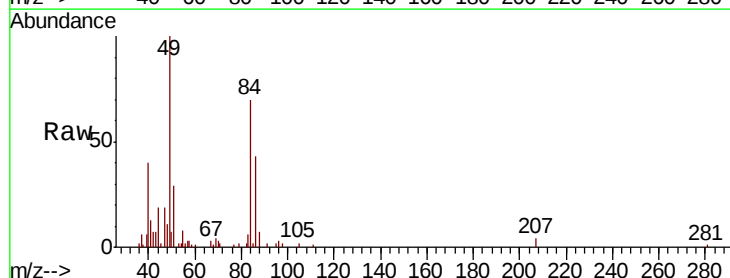
Tot Ion: 73 Resp: 61255
 Ion Ratio Lower Upper
 73 100
 57 22.3 19.4 29.0

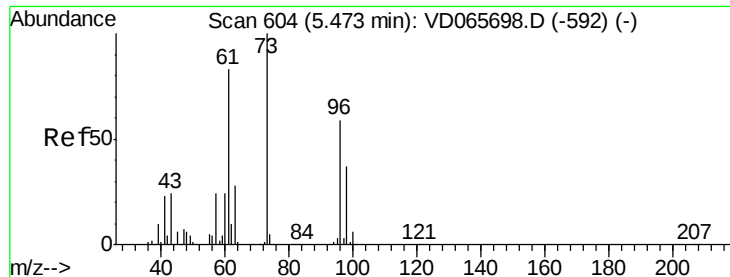


#20

Methylene Chloride
 Concen: 5.346 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Tgt Ion: 84 Resp: 30958
 Ion Ratio Lower Upper
 84 100
 49 143.0 110.4 165.6
 51 40.9 33.4 50.2
 86 61.2 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 5.698 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

ClientSampleId :

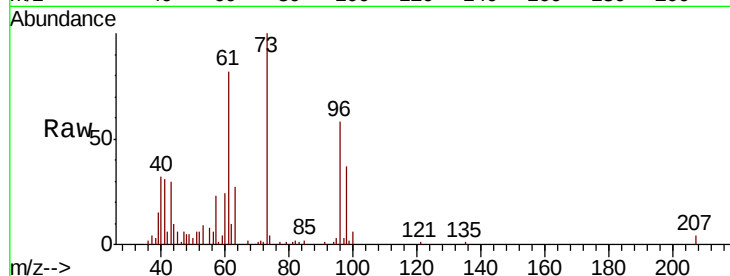
Tot Ion: 96 Resp: 31388

Ion Ratio Lower Upper

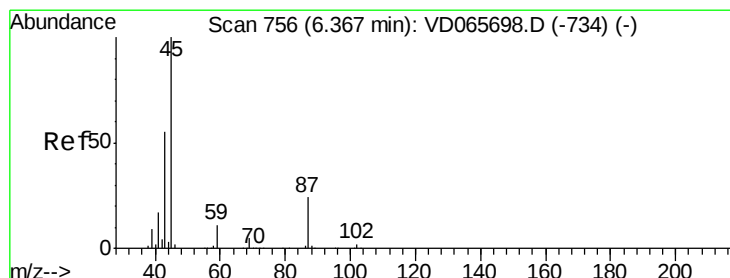
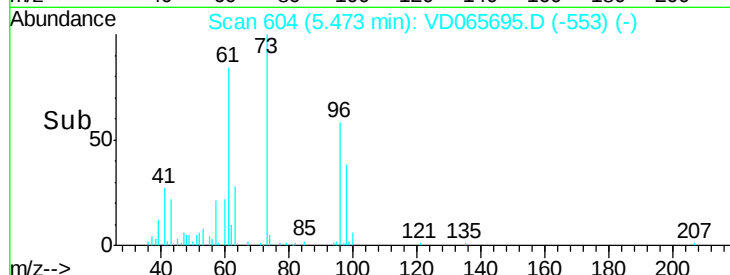
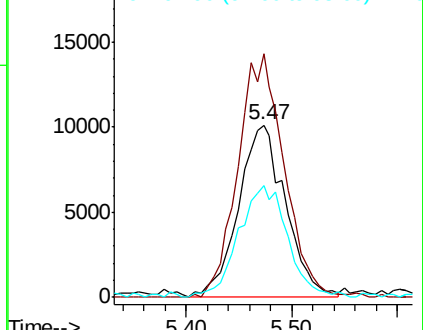
96 100

61 141.3 113.0 169.4

98 64.7 49.5 74.3



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: 6.396 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Tgt Ion: 45 Resp: 93432

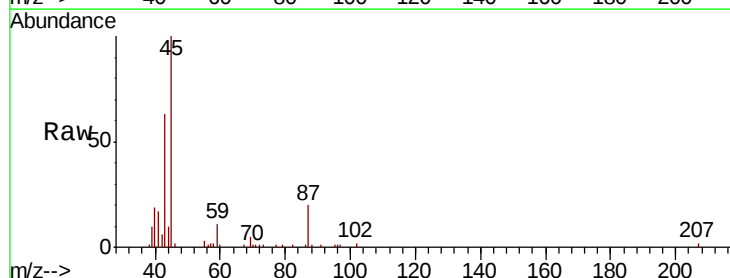
Ion Ratio Lower Upper

45 100

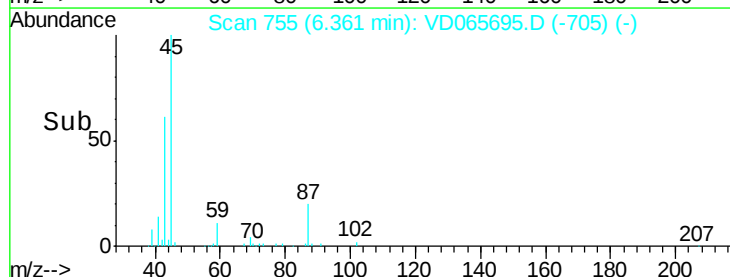
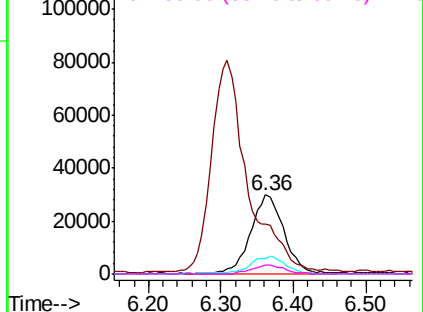
43 59.3 44.2 66.4

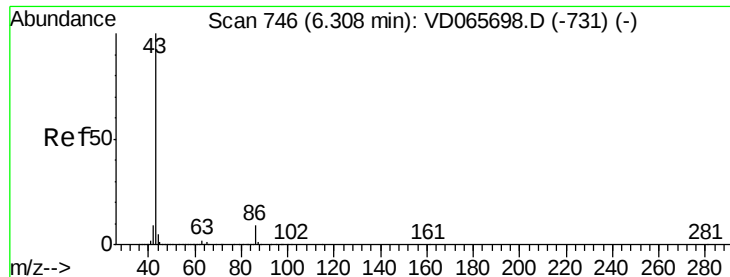
87 19.6 19.0 28.4

59 11.0 8.6 13.0



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: 34.252 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

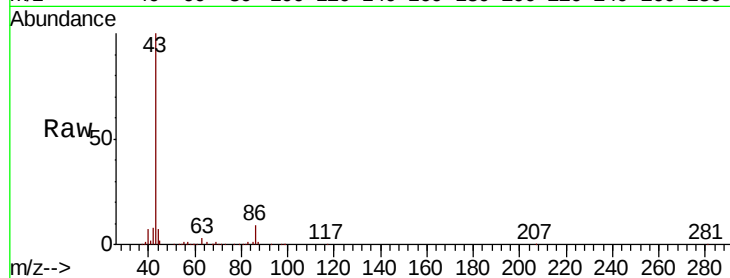
ClientSampleId :

Tot Ion: 43 Resp: 273521

Ion Ratio Lower Upper

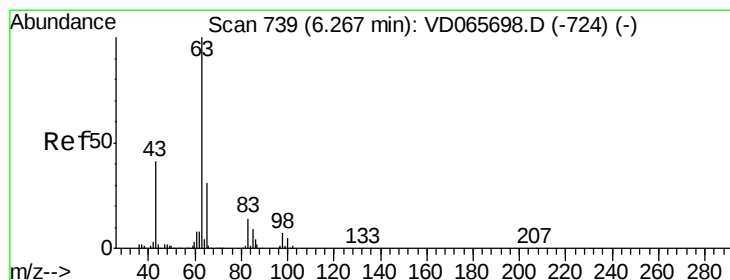
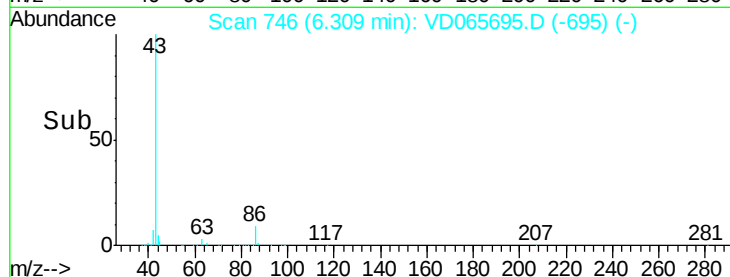
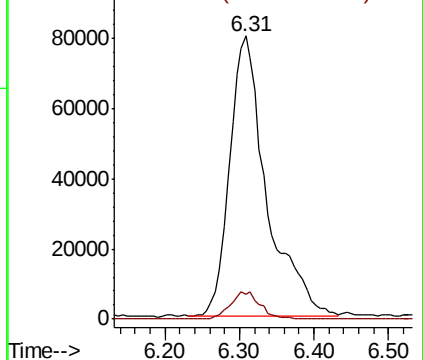
43 100

86 8.7 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.547 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

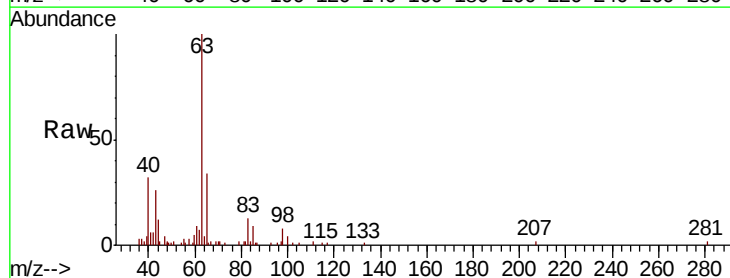
Tgt Ion: 63 Resp: 52200

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

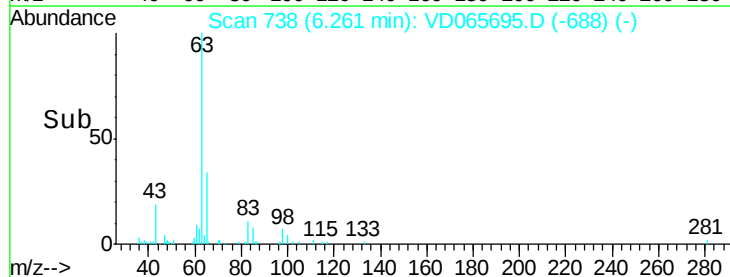
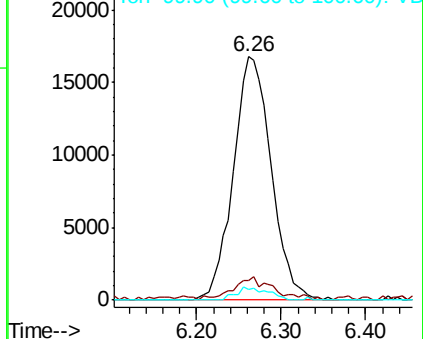
100 4.4 2.3 6.9

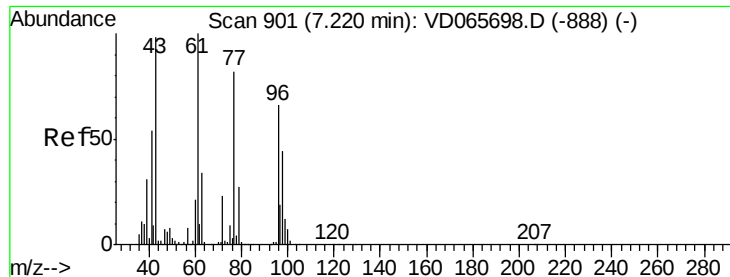


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 32.822 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

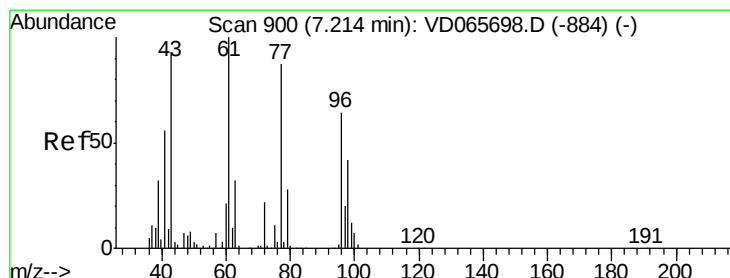
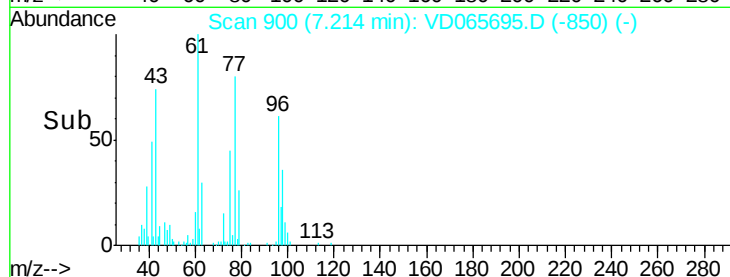
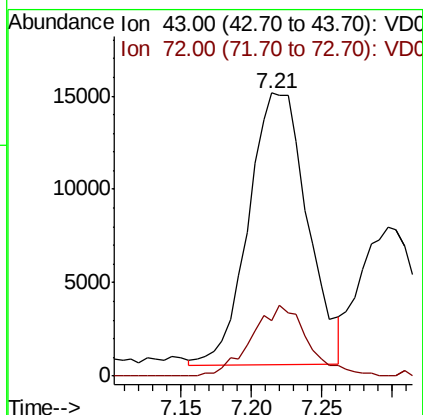
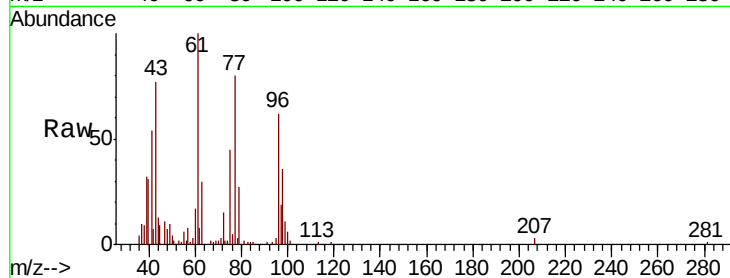
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 42395

Ion Ratio Lower Upper

43 100

72 20.9 19.2 28.8



#26

2,2-Dichloropropane

Concen: 5.747 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065695.D

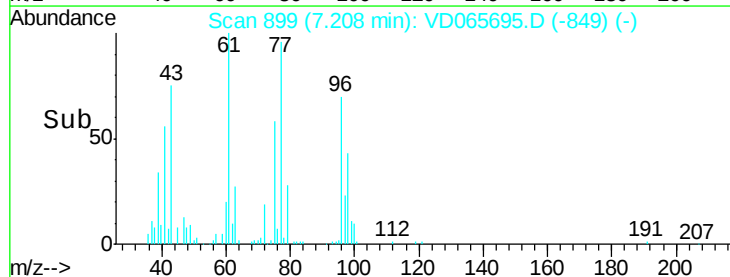
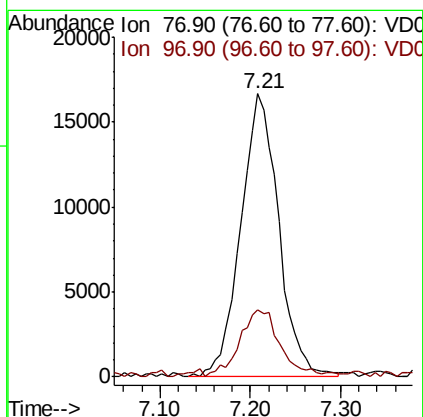
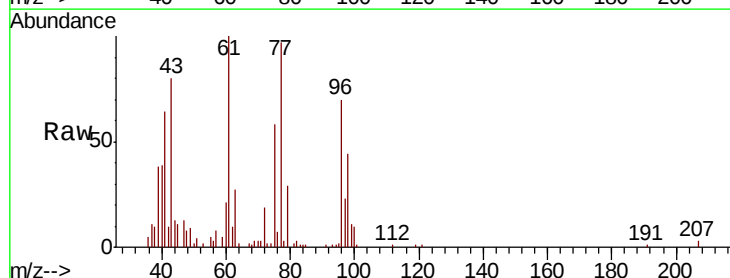
Acq: 06 May 2020 14:17

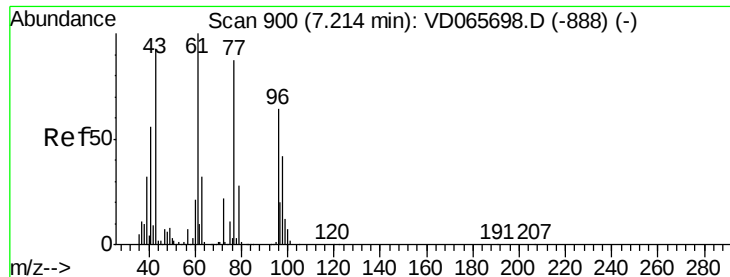
Tgt Ion: 77 Resp: 48483

Ion Ratio Lower Upper

77 100

97 25.2 11.3 33.9



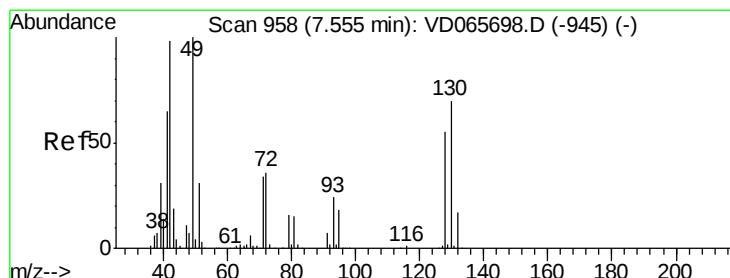
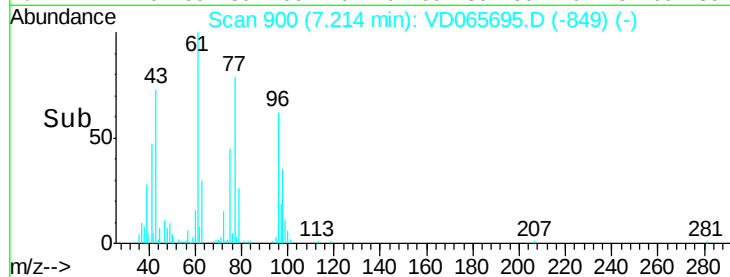
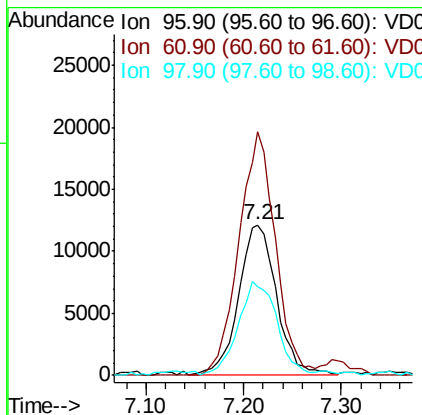
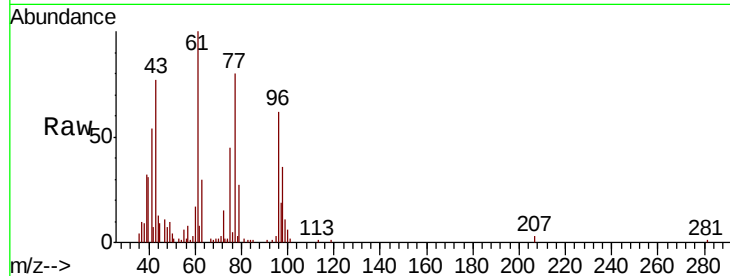


#27

cis-1,2-Dichloroethene
Concen: 5.749 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Instrument :
MSVOA_D
ClientSampled :

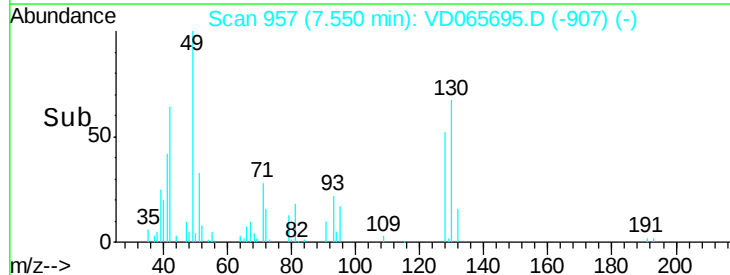
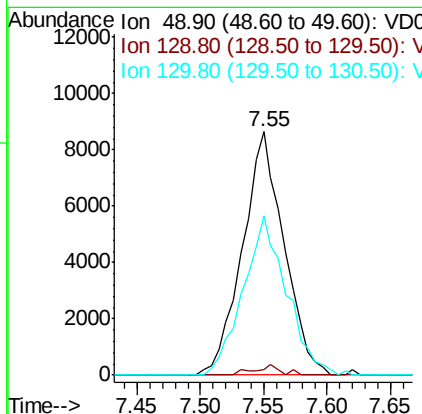
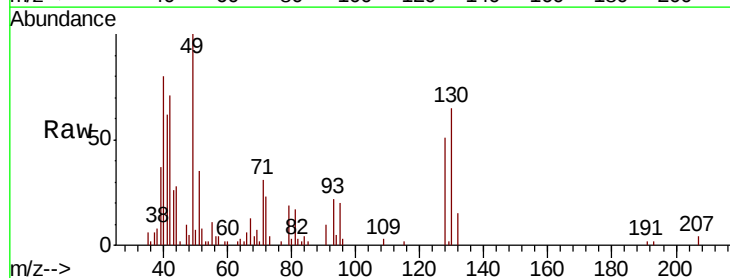
Tot Ion	96	Resp	32907
Ion	Ratio	Lower	Upper
96	100		
61	155.2	0.0	306.6
98	63.8	0.0	129.4

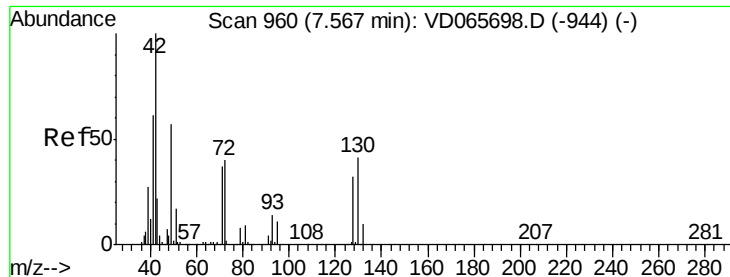


#28

Bromochloromethane
Concen: 5.109 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion	49	Resp	19716
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	3.8
130	68.2	56.4	84.6

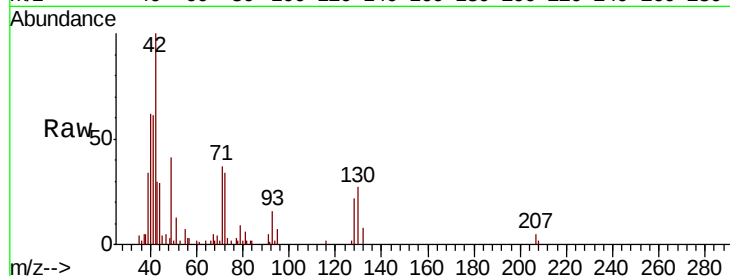




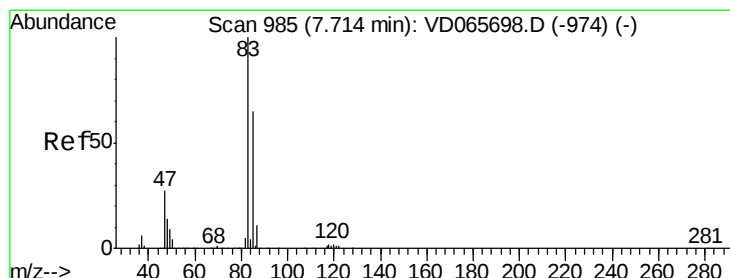
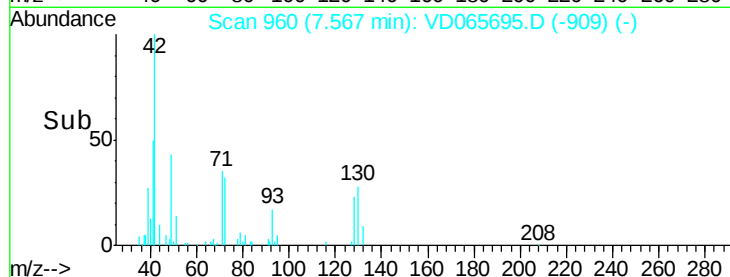
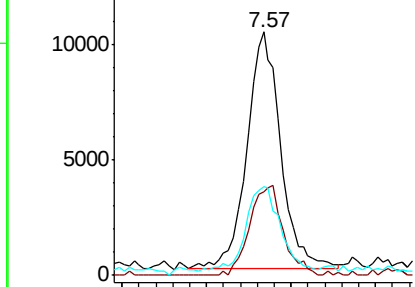
#29
Tetrahydrofuran
Concen: 34.823 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	30.4	45.6
71	39.4	28.0	42.0

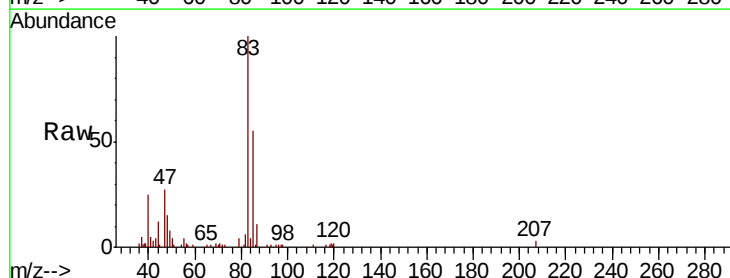


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

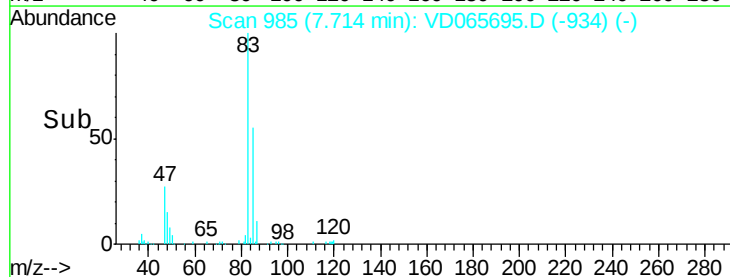
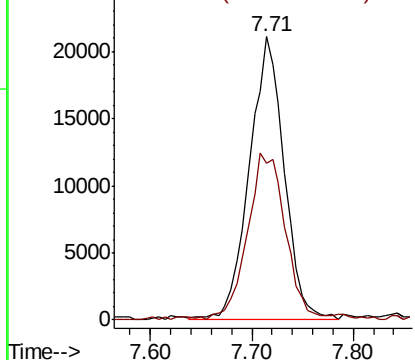


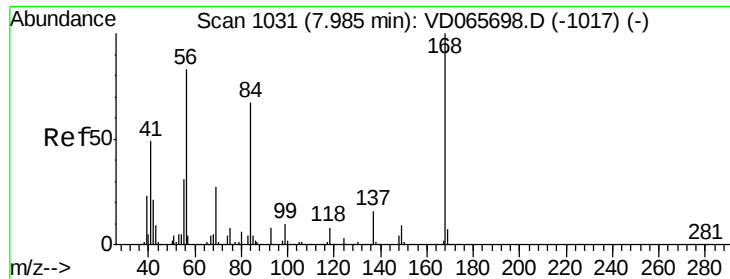
#30
Chloroform
Concen: 5.177 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	54.4	52.1	78.1



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

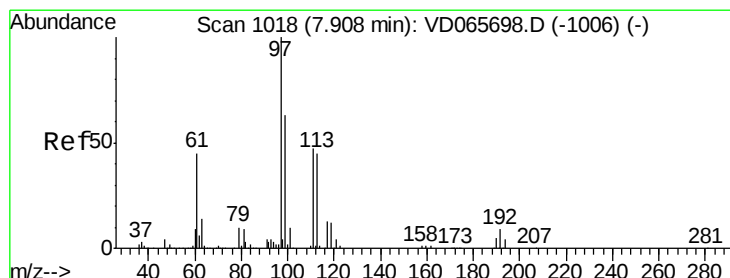
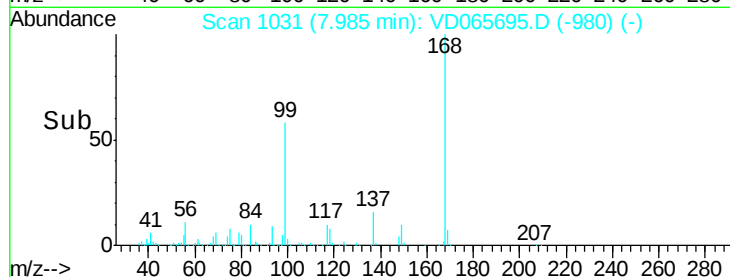
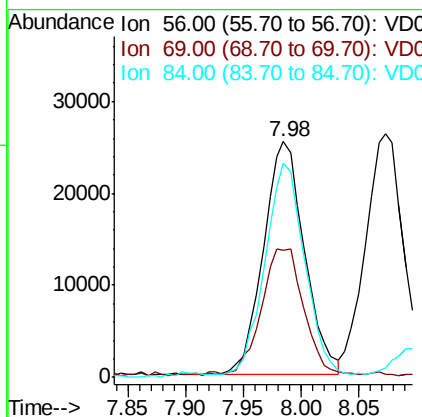
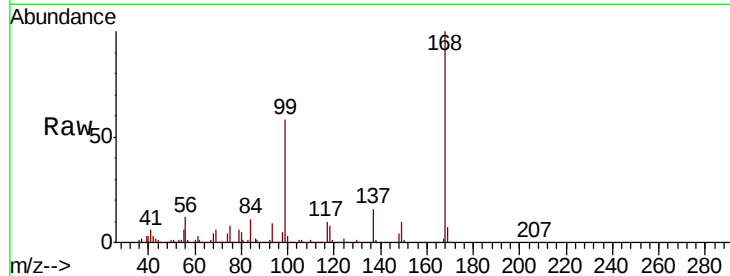




#31
Cyclohexane
Concen: 7.118 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

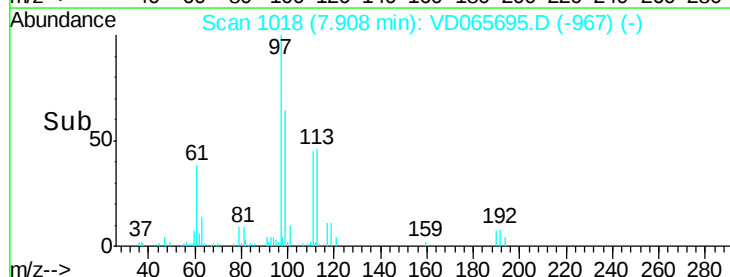
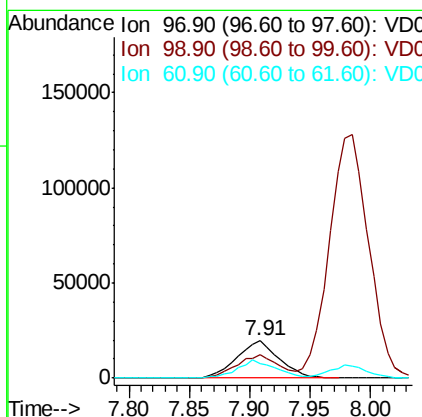
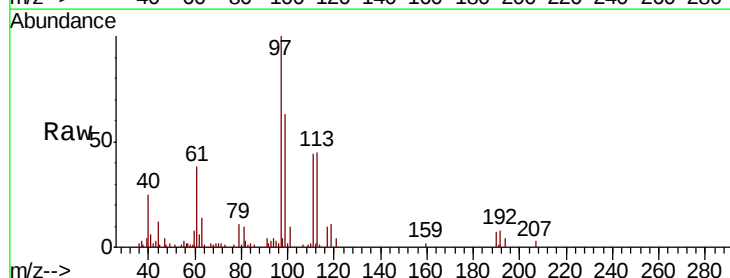
Instrument :
MSVOA_D
ClientSampleId :

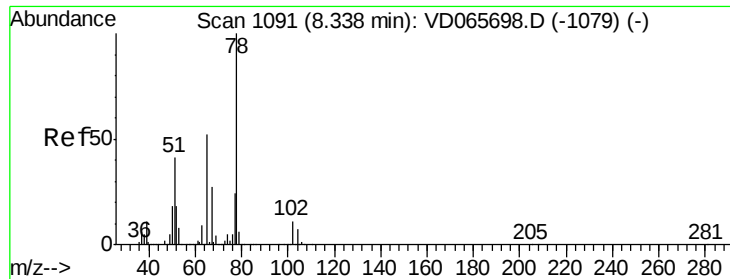
Tot Ion: 56 Resp: 63130
Ion Ratio Lower Upper
56 100
69 52.9 26.3 39.5#
84 90.1 64.5 96.7



#32
1,1,1-Trichloroethane
Concen: 5.472 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion: 97 Resp: 48148
Ion Ratio Lower Upper
97 100
99 61.4 50.8 76.2
61 44.0 36.0 54.0





#33

1,2-Dichloroethane-d4

Concen: 5.437 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

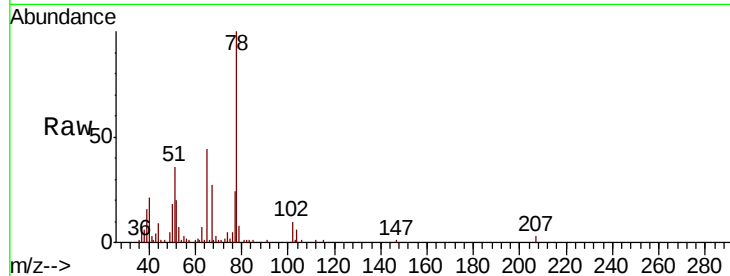
ClientSampled :

Tot Ion: 65 Resp: 27123

Ion Ratio Lower Upper

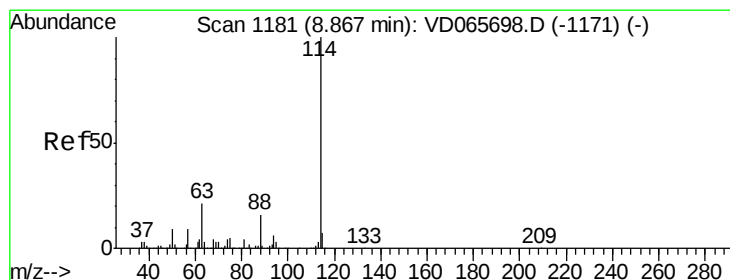
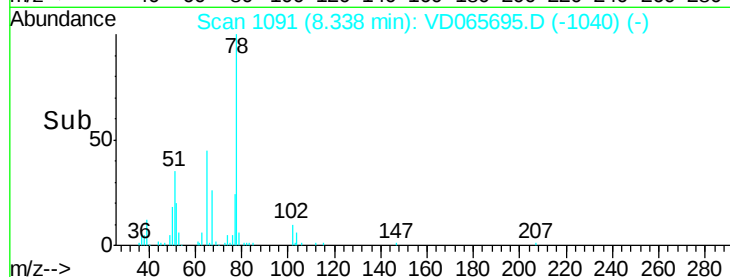
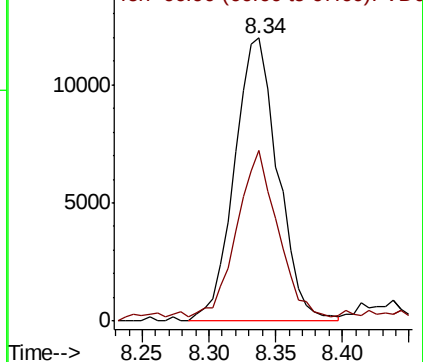
65 100

67 55.3 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

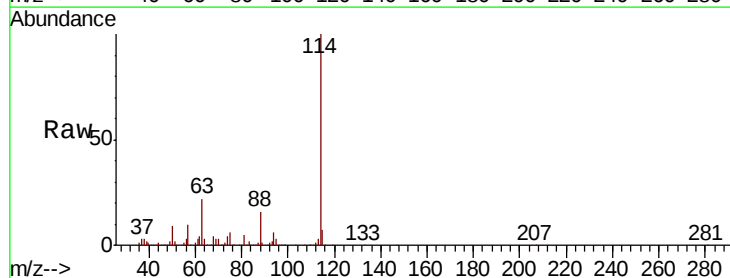
Tgt Ion: 114 Resp: 800872

Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.4

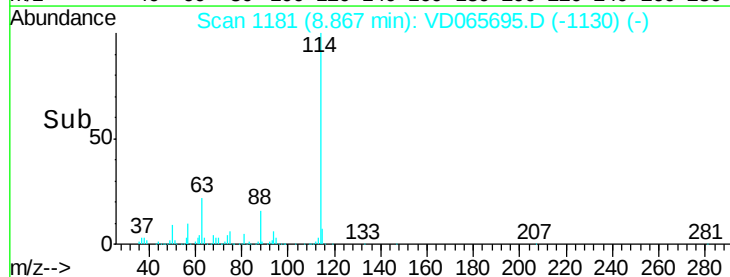
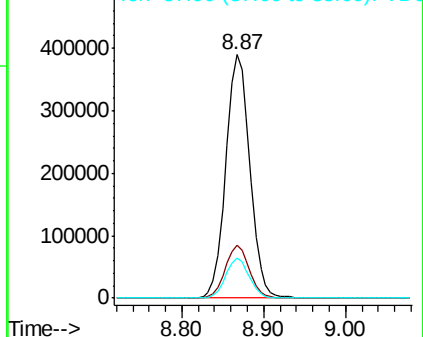
88 16.3 0.0 32.6

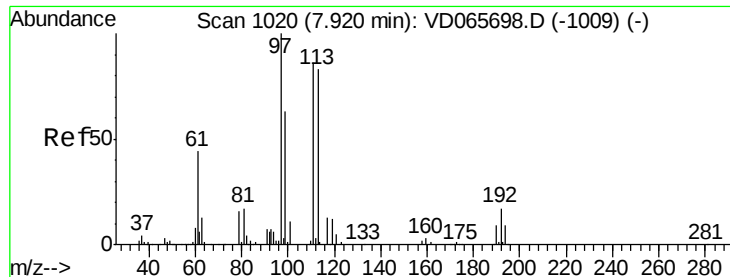


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

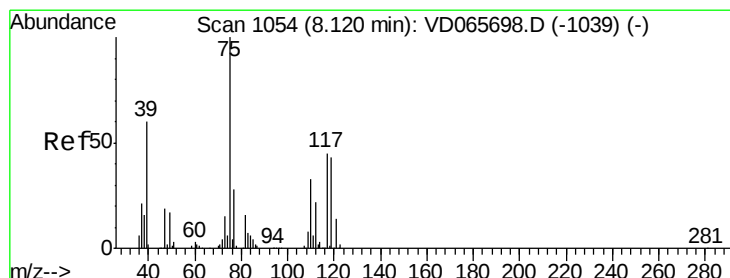
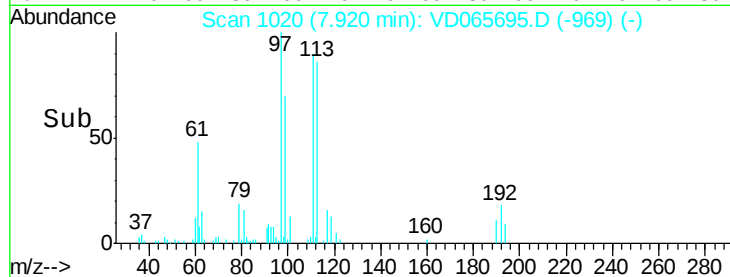
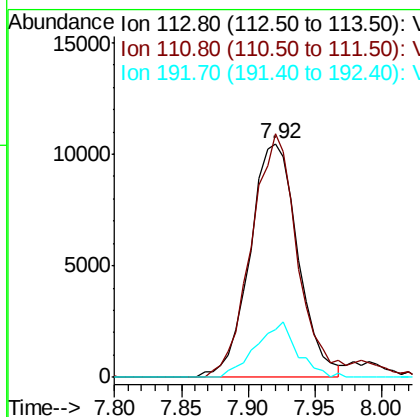
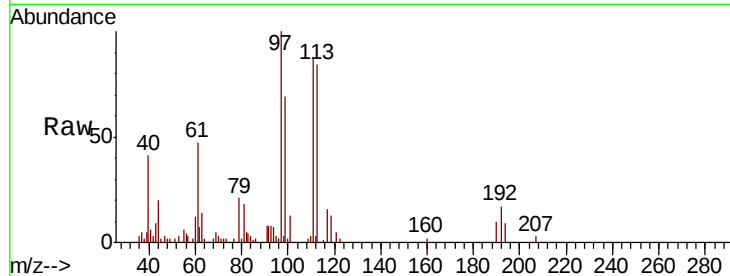




#35
 Dibromofluoromethane
 Concen: 4.735 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

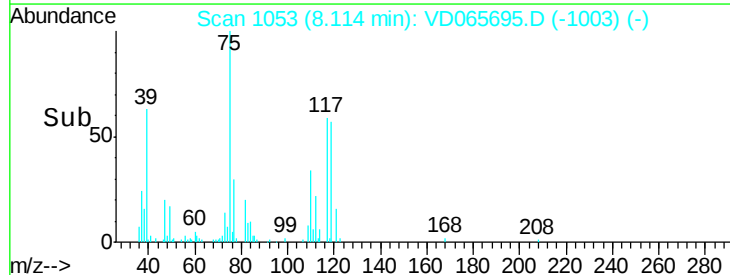
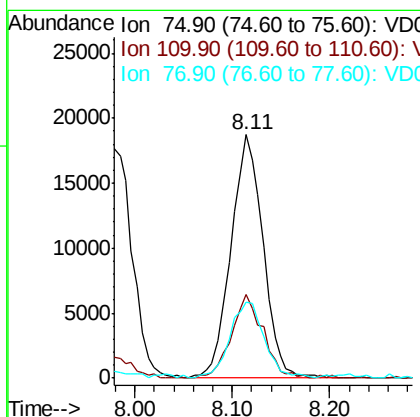
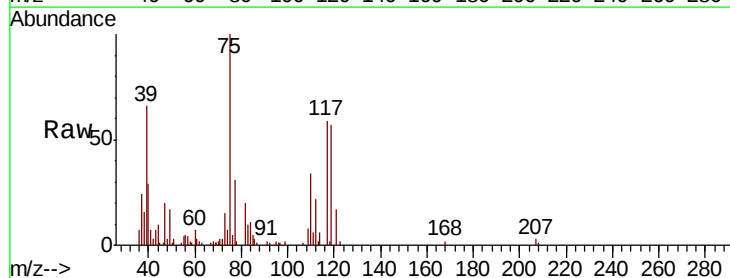
Instrument :
 MSVOA_D
 ClientSampled :

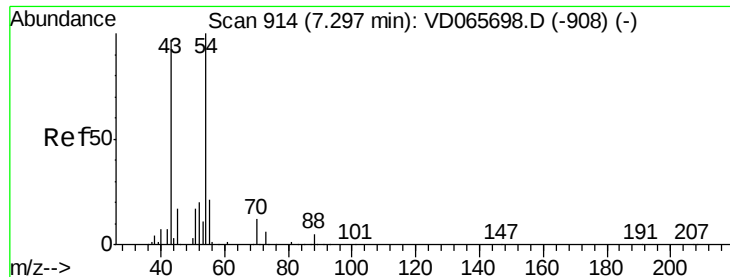
Tot Ion:113 Resp: 26066
 Ion Ratio Lower Upper
 113 100
 111 100.6 82.7 124.1
 192 20.5 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 5.298 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Tgt Ion: 75 Resp: 42856
 Ion Ratio Lower Upper
 75 100
 110 33.6 17.2 51.6
 77 33.8 23.7 35.5

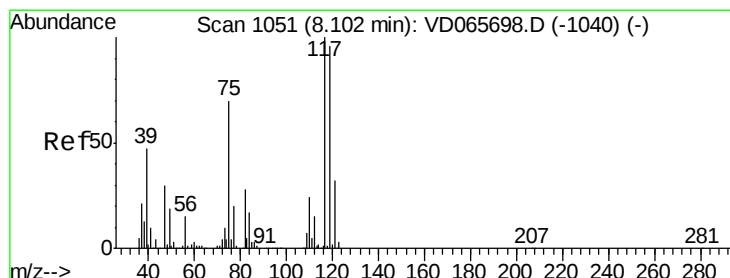
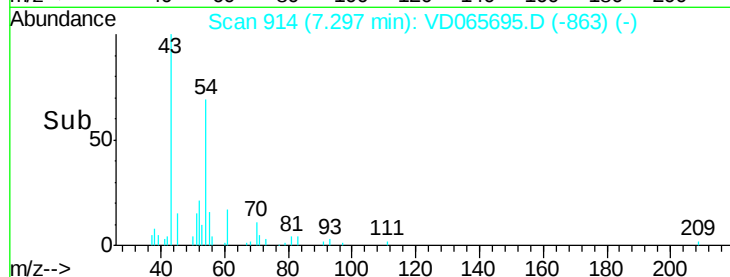
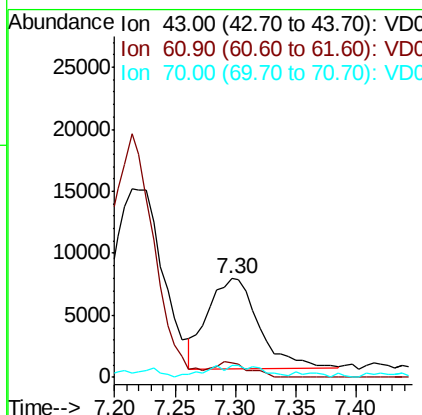
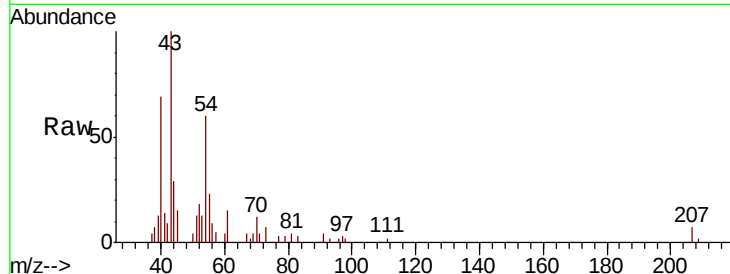




#37
Ethyl Acetate
Concen: 6.824 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

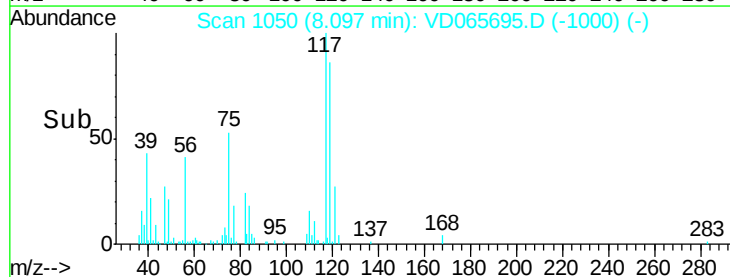
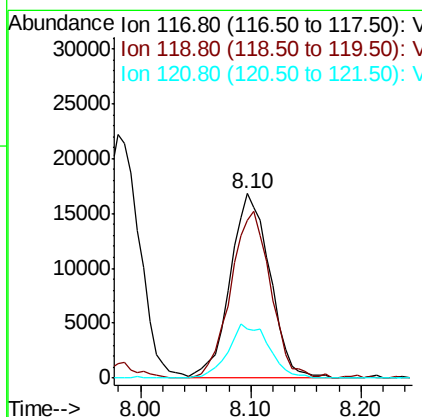
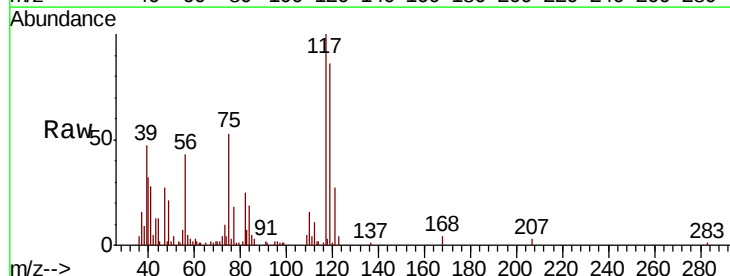
Instrument :
MSVOA_D
ClientSampled :

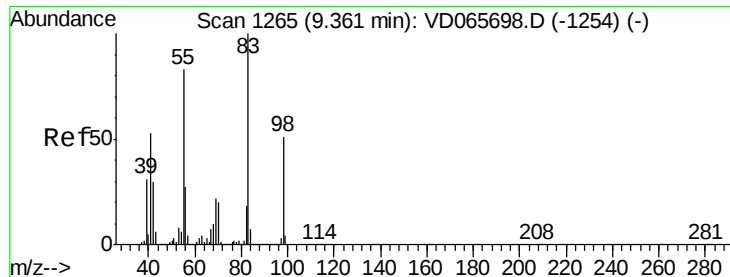
Tot Ion: 43 Resp: 21734
Ion Ratio Lower Upper
43 100
61 11.5 9.9 14.9
70 14.5 7.3 10.9#



#38
Carbon Tetrachloride
Concen: 4.917 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion: 117 Resp: 42572
Ion Ratio Lower Upper
117 100
119 85.8 77.1 115.7
121 26.6 25.5 38.3

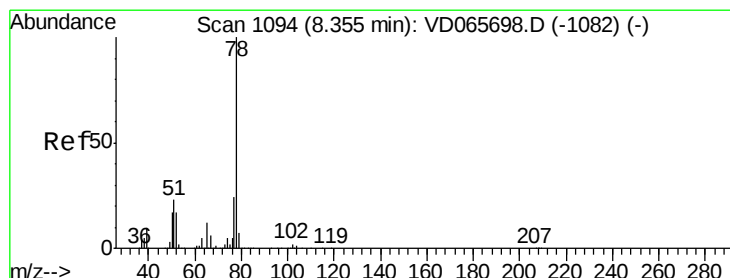
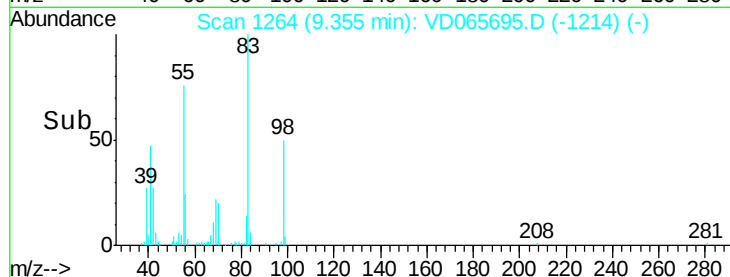
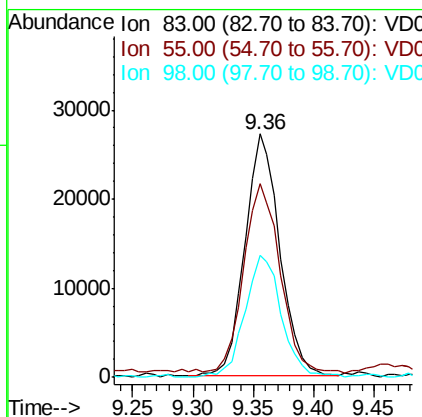
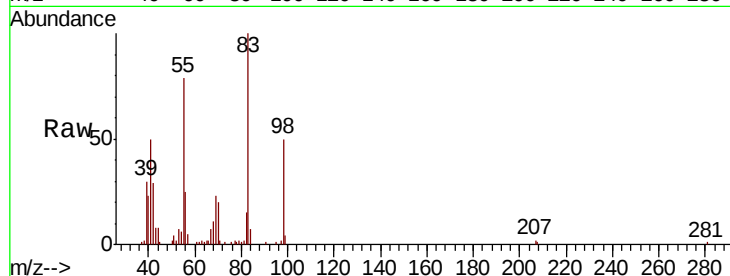




#39
Methvlcvclohexane
Concen: 5.943 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

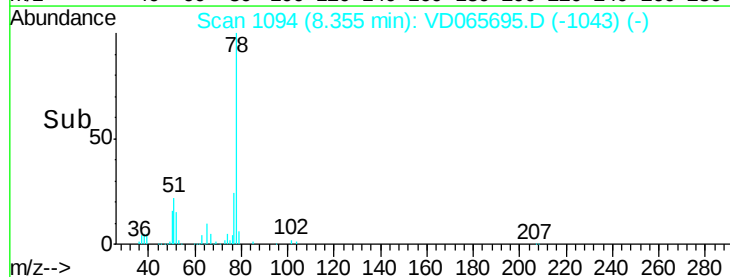
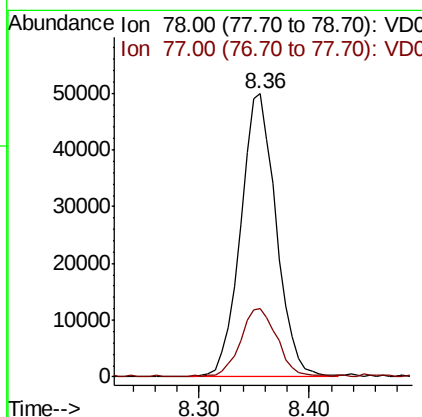
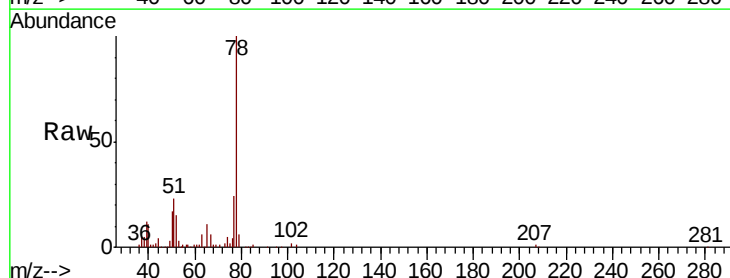
Instrument :
MSVOA_D
ClientSampleId :

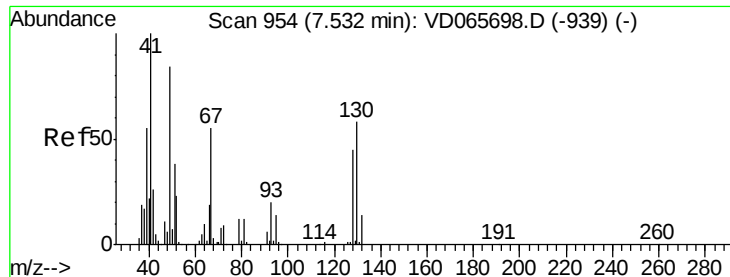
Tot Ion: 83 Resp: 54657
Ion Ratio Lower Upper
83 100
55 77.6 66.0 99.0
98 50.3 41.0 61.4



#40
Benzene
Concen: 4.918 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion: 78 Resp: 112735
Ion Ratio Lower Upper
78 100
77 23.7 19.6 29.4

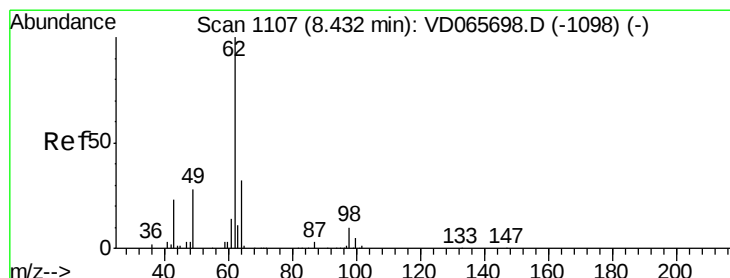
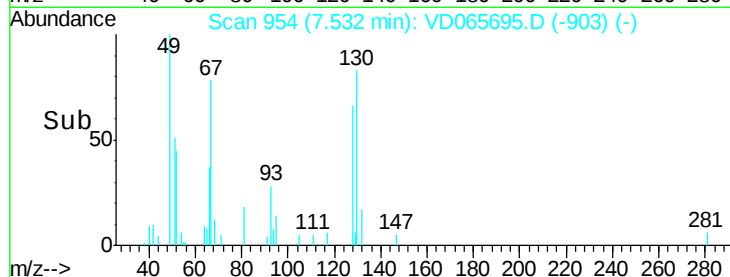
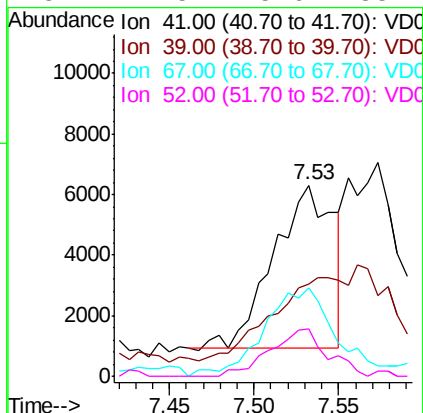
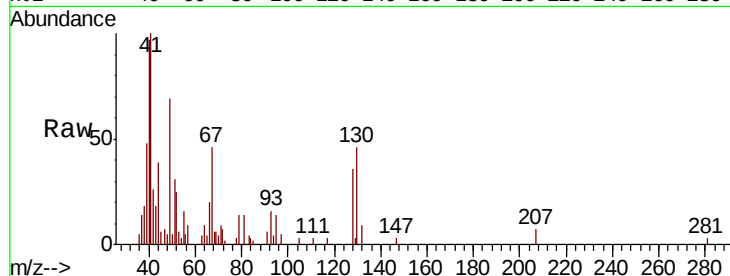




#41
Methacrylonitrile
Concen: 7.534 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

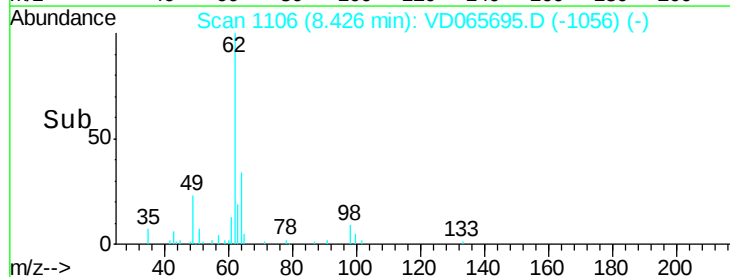
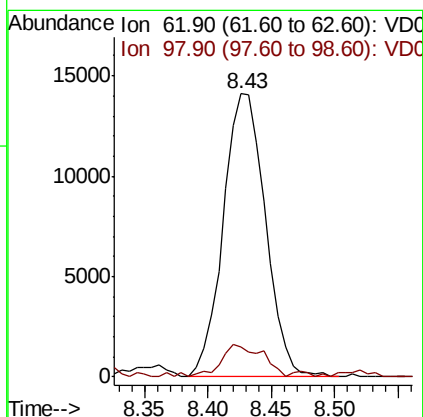
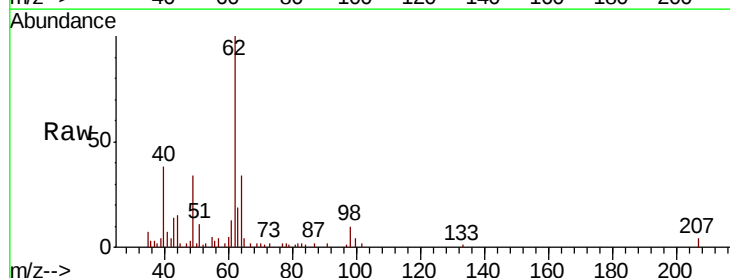
Instrument :
MSVOA_D
ClientSampleId :

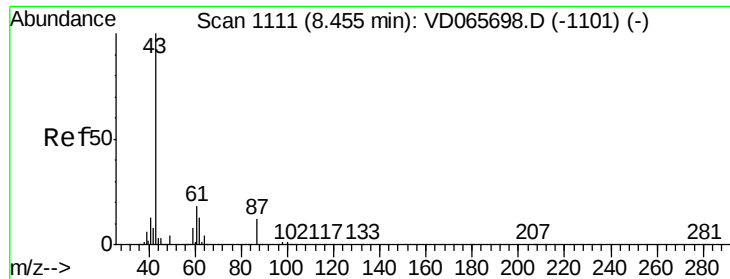
Tot Ion:	41	Resp:	13322
Ion	Ratio	Lower	Upper
41	100		
39	65.8	52.5	78.7
67	64.6	59.4	89.0
52	27.5	25.6	38.4



#42
1,2-Dichloroethane
Concen: 5.014 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion:	62	Resp:	32532
Ion	Ratio	Lower	Upper
62	100		
98	11.4	0.0	19.2





#43

Isopropyl Acetate

Concen: 6.828 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

ClientSampleID :

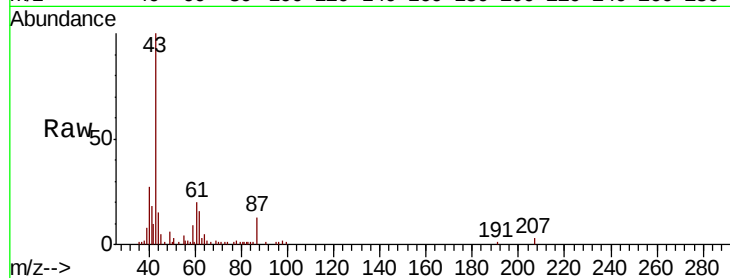
Tot Ion: 43 Resp: 40465

Ion Ratio Lower Upper

43 100

61 28.8 21.9 32.9

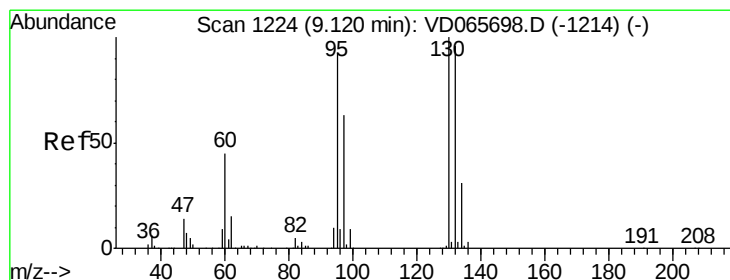
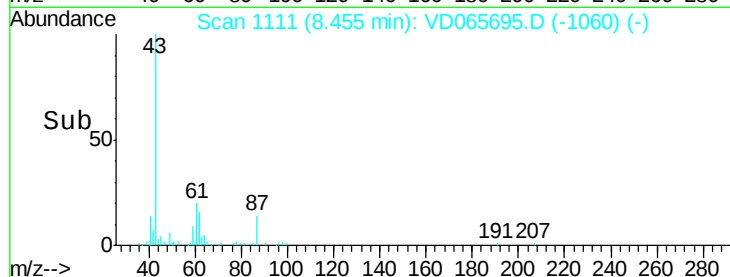
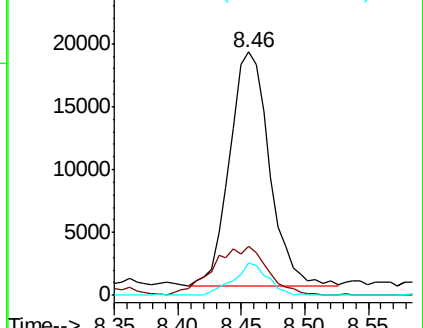
87 11.8 9.4 14.2



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: 4.713 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD065695.D

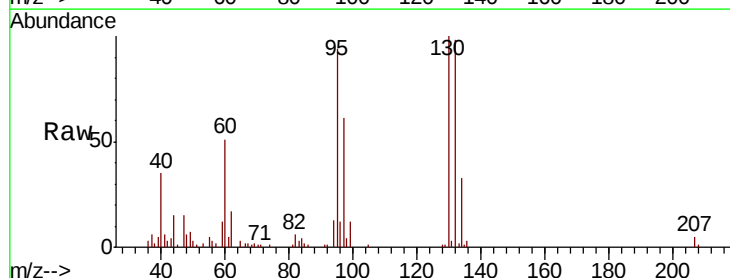
Acq: 06 May 2020 14:17

Tgt Ion: 130 Resp: 30897

Ion Ratio Lower Upper

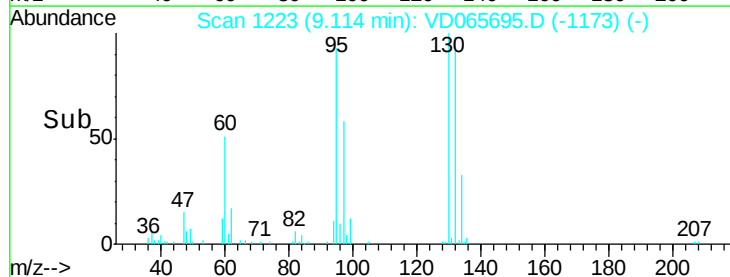
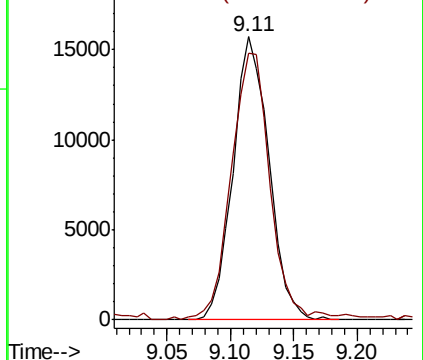
130 100

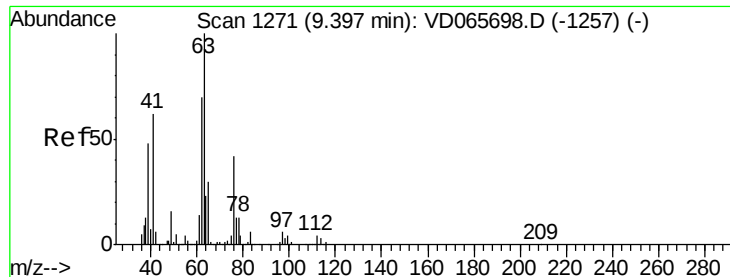
95 93.2 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 5.019 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

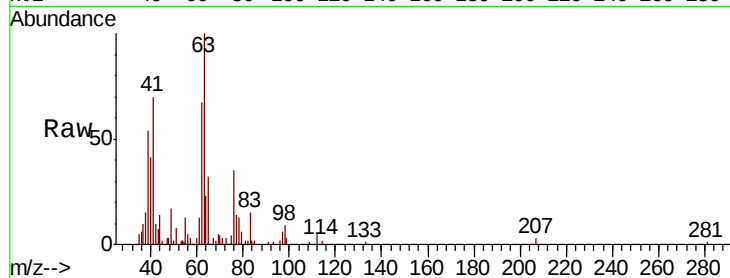
ClientSampleId :

Tot Ion: 63 Resp: 28407

Ion Ratio Lower Upper

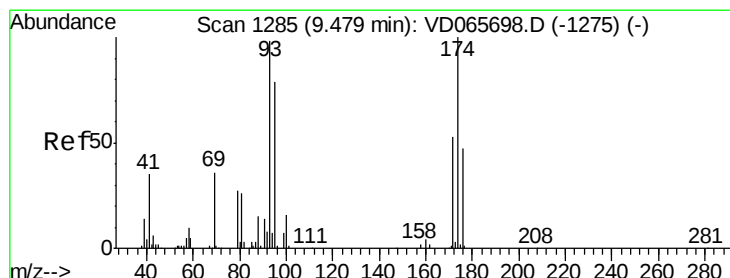
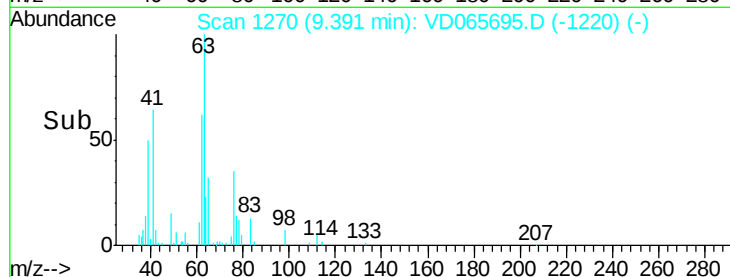
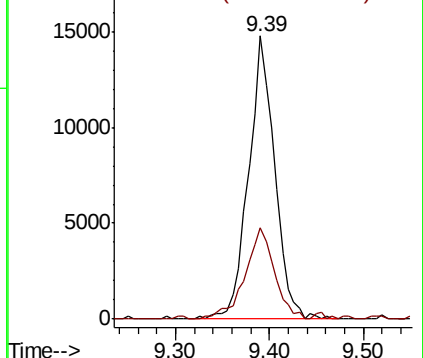
63 100

65 32.4 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 4.926 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

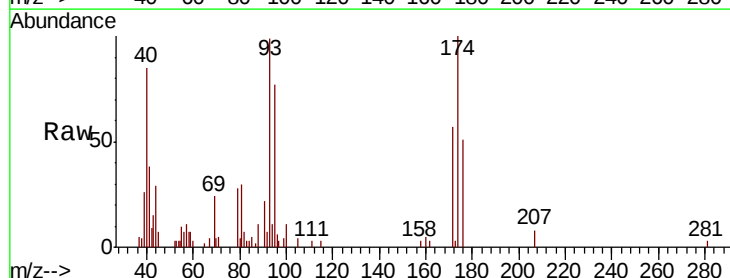
Tgt Ion: 93 Resp: 14891

Ion Ratio Lower Upper

93 100

95 82.9 65.3 97.9

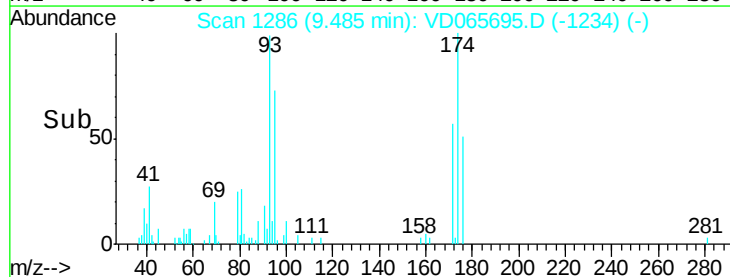
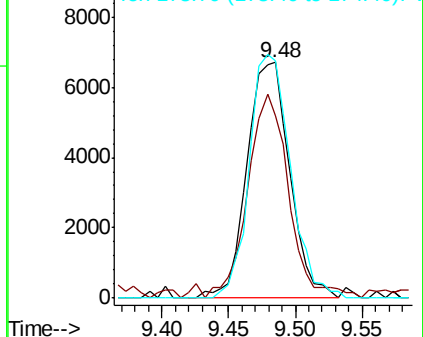
174 99.0 82.7 124.1

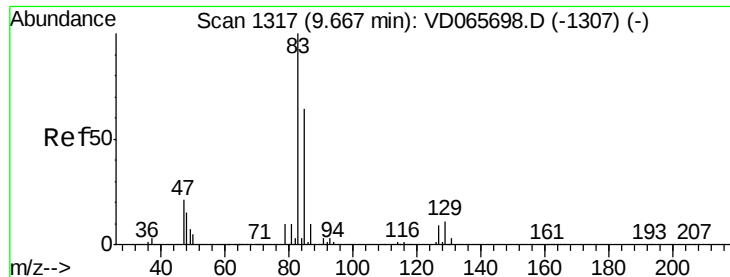


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 4.918 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

ClientSampled :

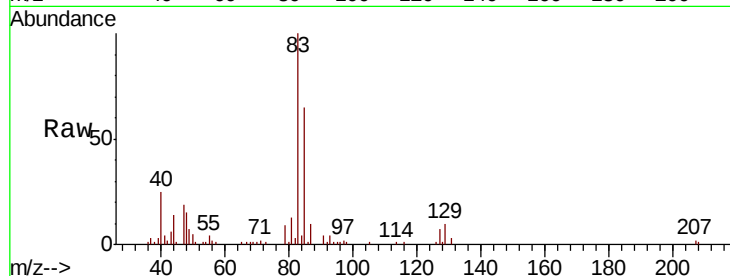
Tot Ion: 83 Resp: 38859

Ion Ratio Lower Upper

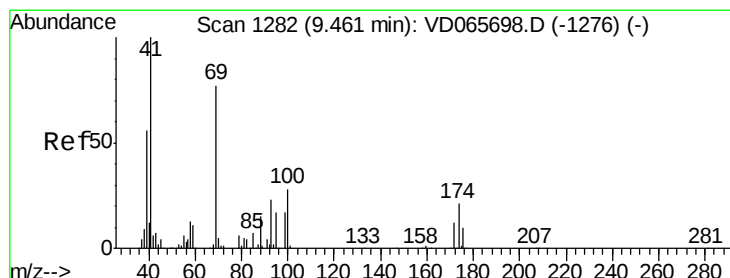
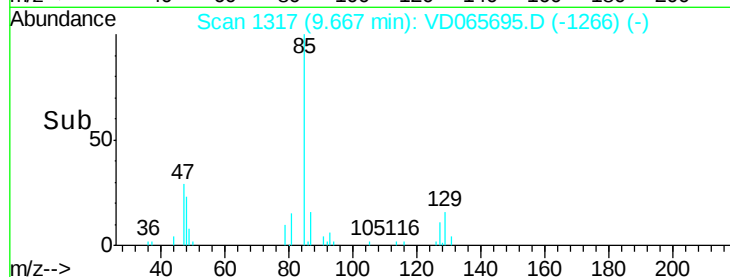
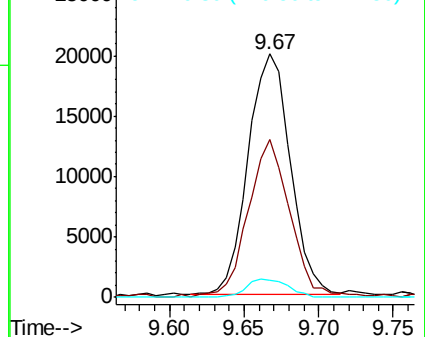
83 100

85 65.7 50.9 76.3

127 7.1 6.9 10.3



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: 7.039 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

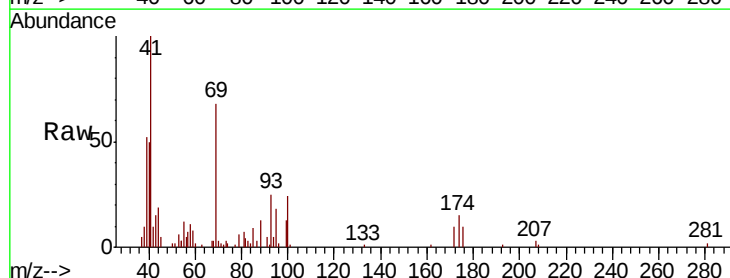
Tgt Ion: 41 Resp: 19714

Ion Ratio Lower Upper

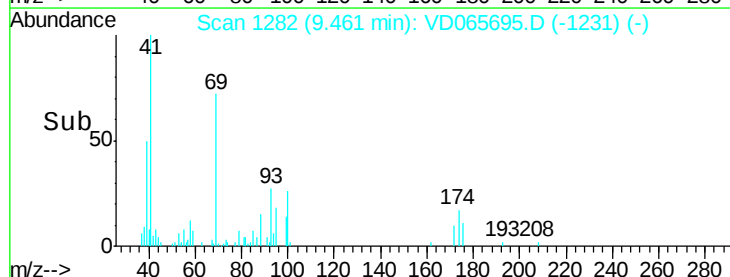
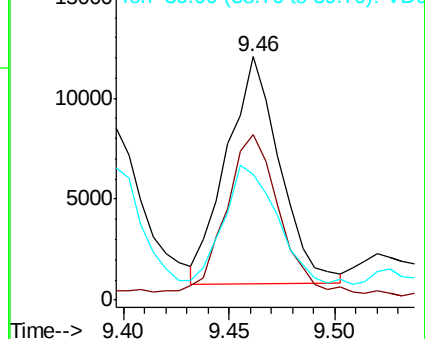
41 100

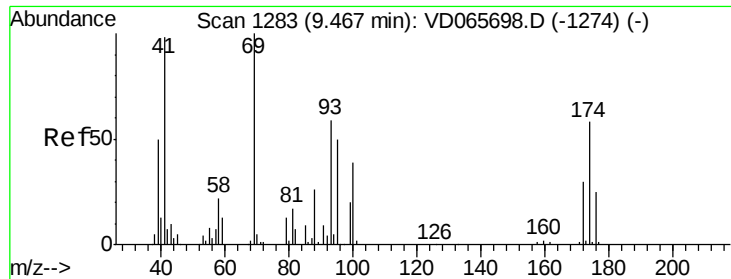
69 74.9 58.2 87.2

39 52.1 43.3 64.9



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: 105.303 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

ClientSampleId :

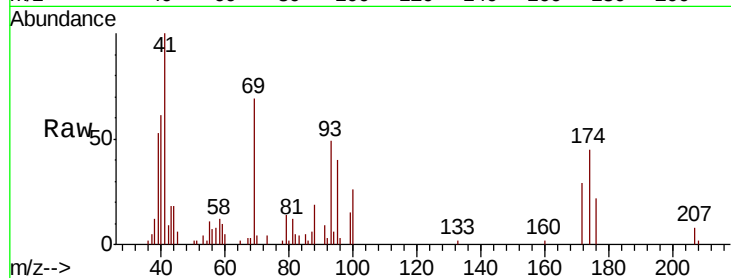
Tot Ion: 88 Resp: 3479

Ion Ratio Lower Upper

88 100

43 56.7 31.6 47.4#

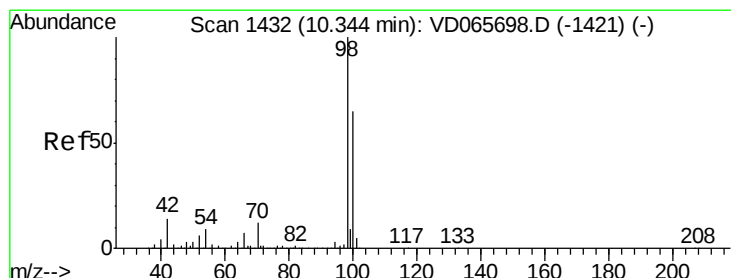
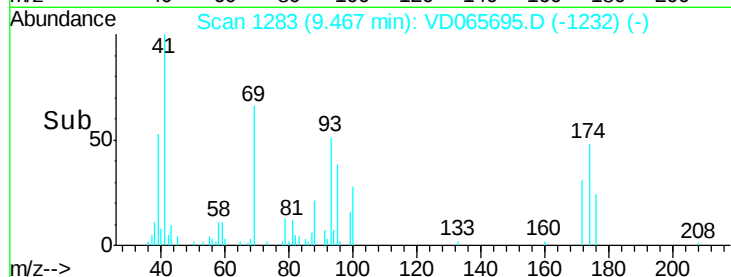
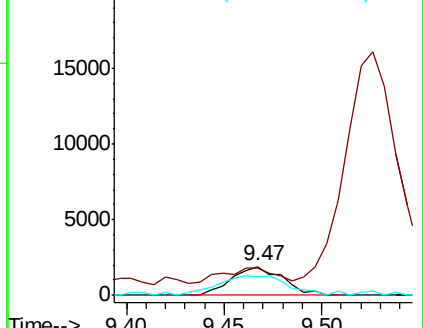
58 93.0 60.2 90.4#



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: 4.972 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065695.D

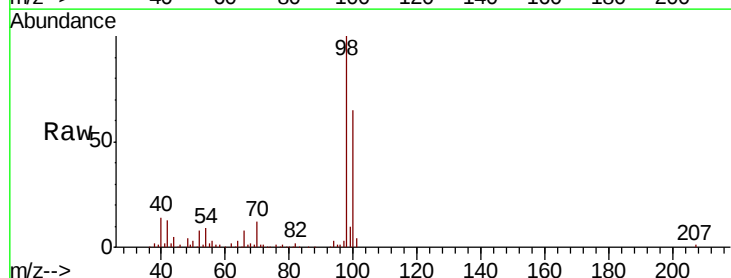
Acq: 06 May 2020 14:17

Tgt Ion: 98 Resp: 100339

Ion Ratio Lower Upper

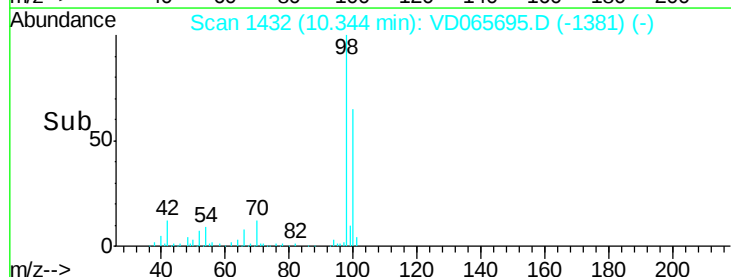
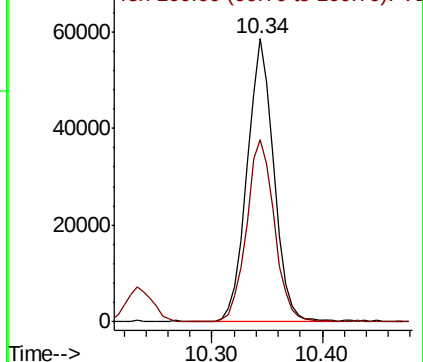
98 100

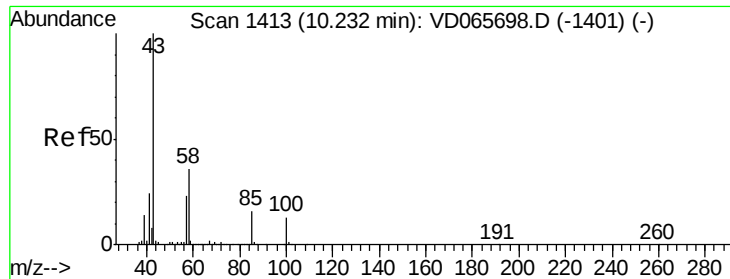
100 66.4 52.6 78.8



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: 31.826 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

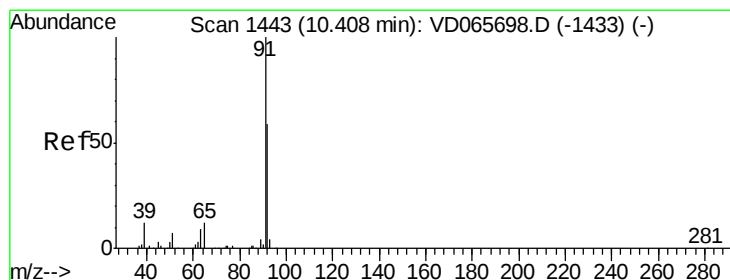
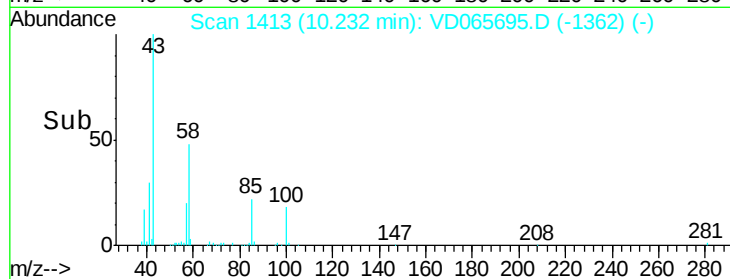
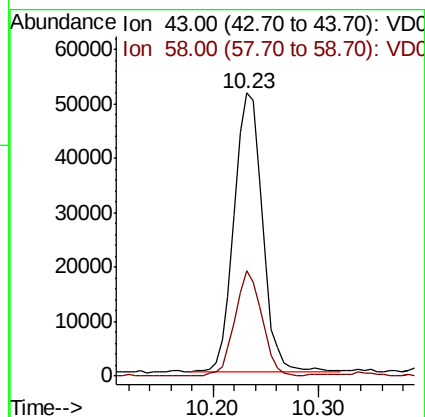
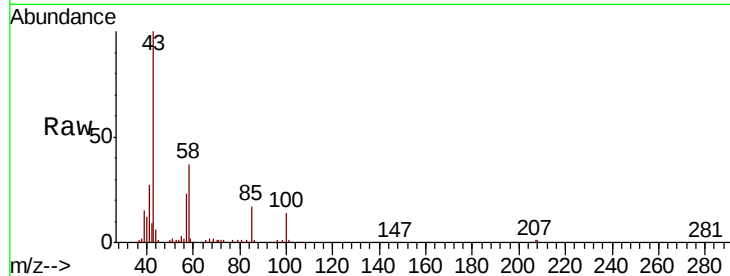
ClientSampleId :

Tot Ion: 43 Resp: 95725

Ion Ratio Lower Upper

43 100

58 36.0 28.6 42.8



#52

Toluene

Concen: 4.969 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065695.D

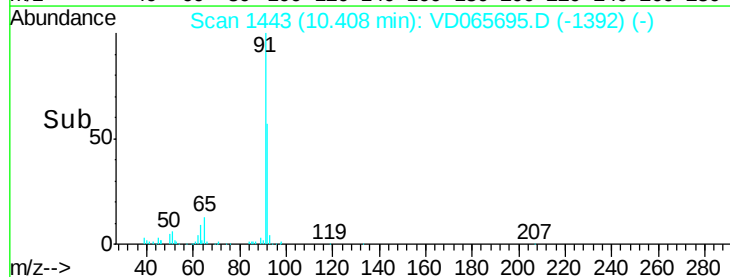
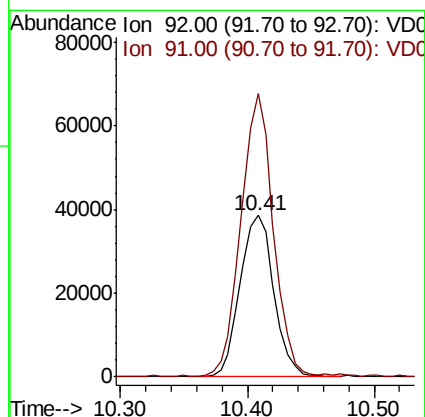
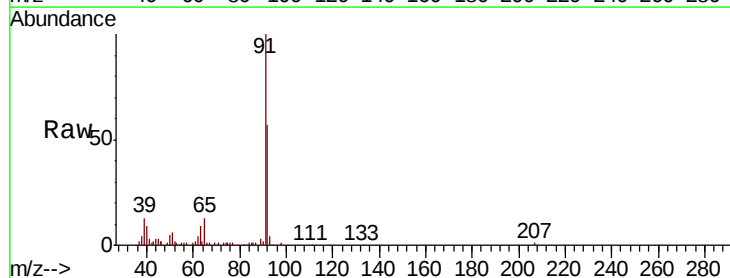
Acq: 06 May 2020 14:17

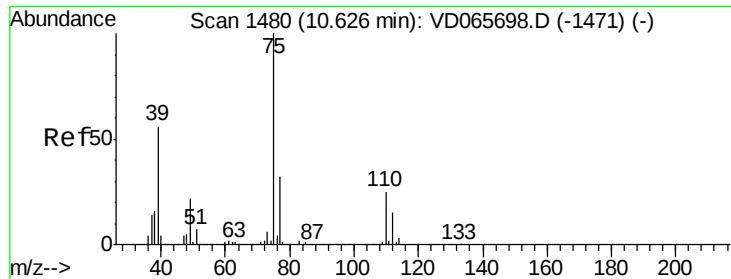
Tgt Ion: 92 Resp: 71671

Ion Ratio Lower Upper

92 100

91 169.8 138.1 207.1

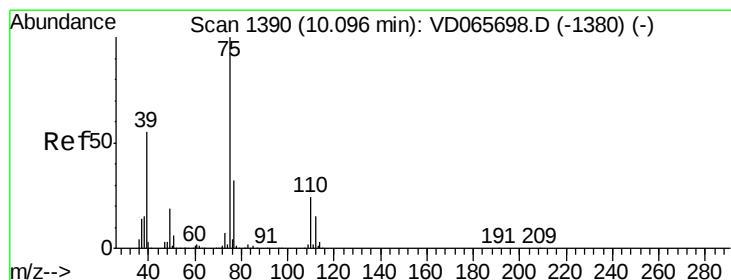
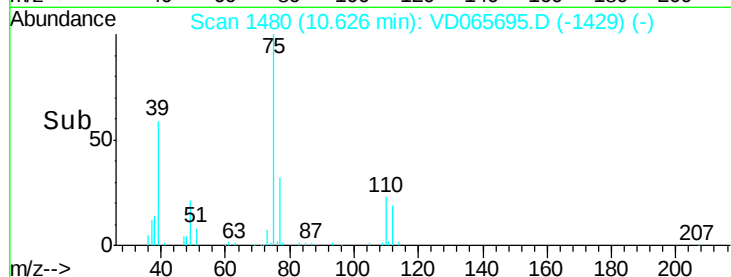
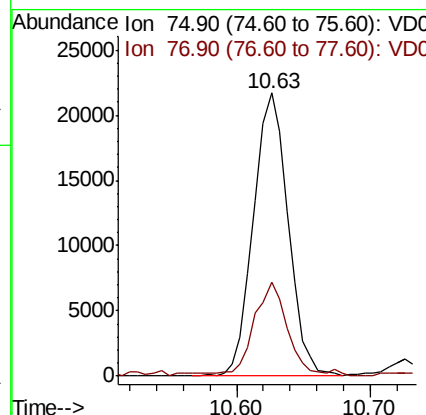
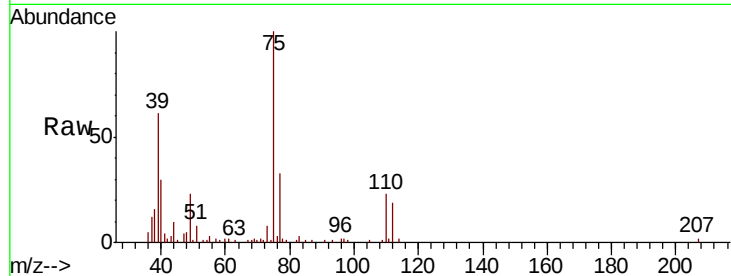




#53
 t-1,3-Dichloropropene
 Concen: 5.450 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

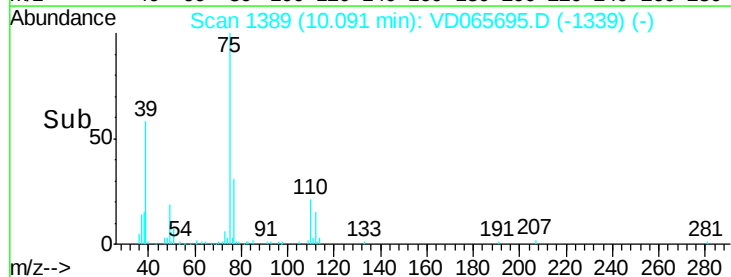
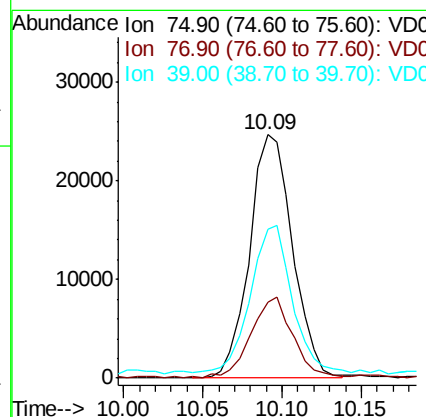
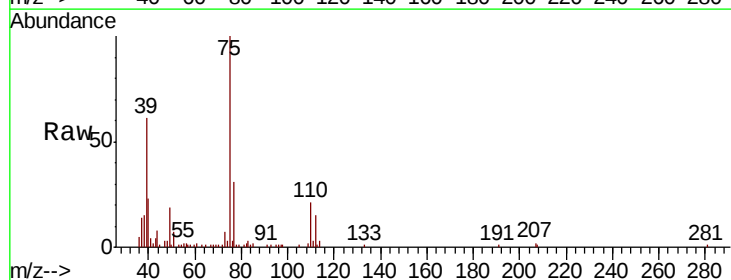
Instrument :
 MSVOA_D
 ClientSampled :

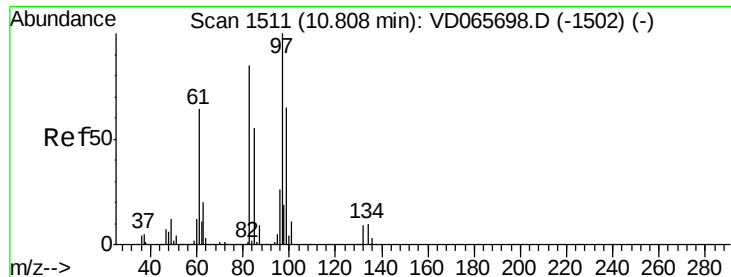
Tot Ion: 75 Resp: 39025
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 5.348 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Tgt Ion: 75 Resp: 46504
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.8 38.8
 39 59.1 44.4 66.6

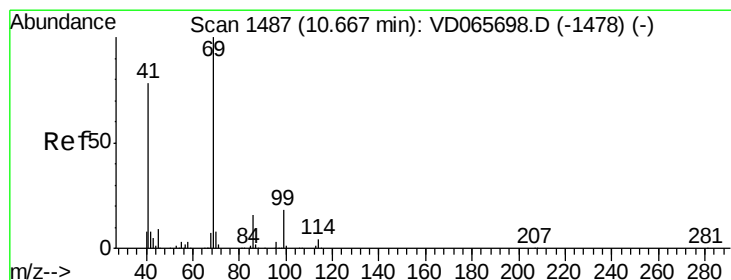
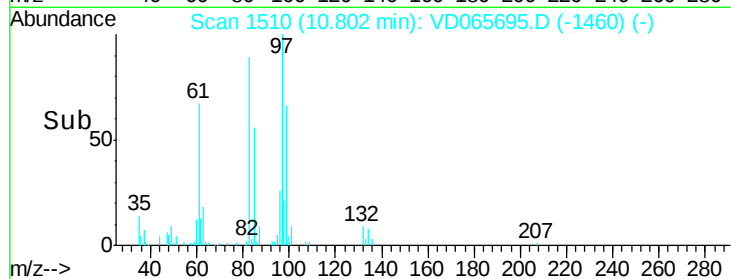
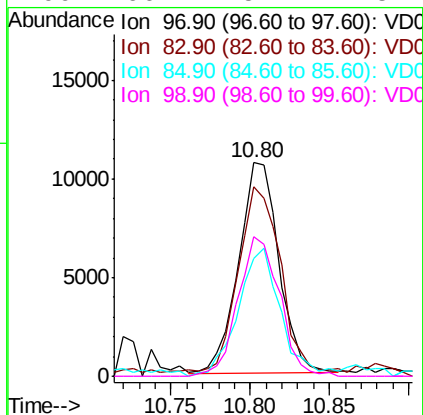
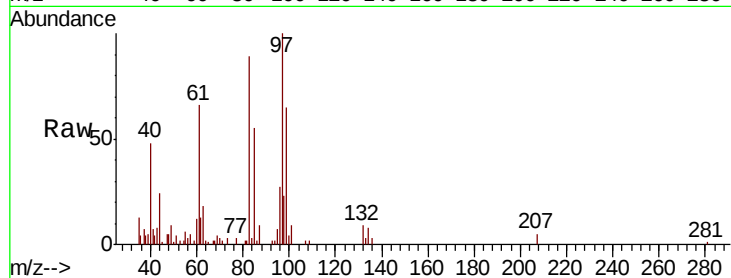




#55
 1,1,2-Trichloroethane
 Concen: 4.495 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

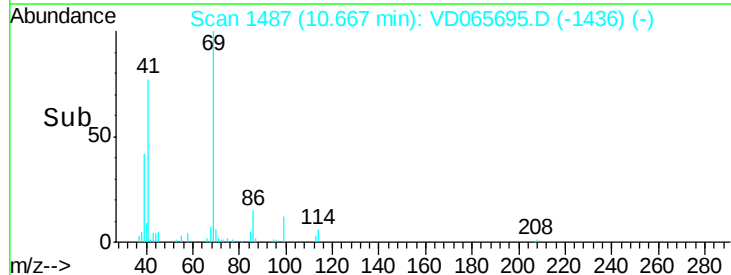
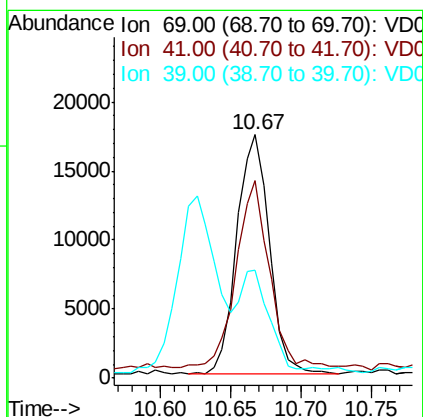
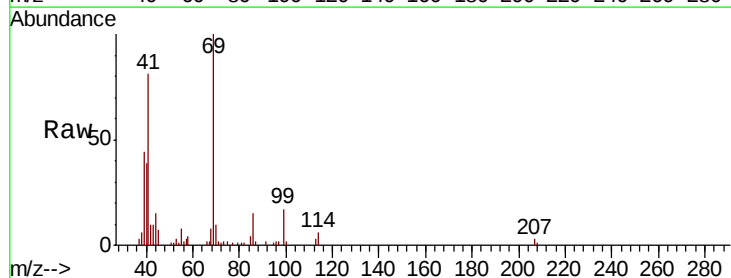
Instrument :
 MSVOA_D
 ClientSampleId :

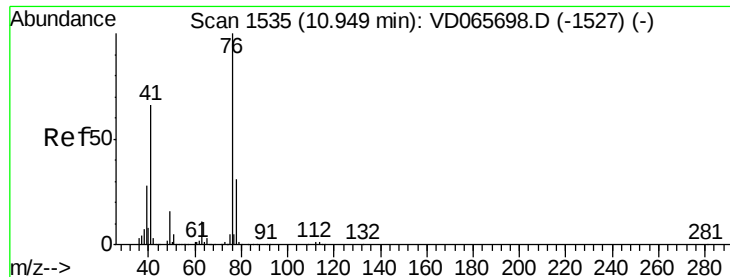
Tot Ion:	97	Resp:	18989
Ion	Ratio	Lower	Upper
97	100		
83	87.4	68.2	102.4
85	56.3	43.6	65.4
99	66.4	52.2	78.4



#56
 Ethyl methacrylate
 Concen: 6.271 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Tgt Ion:	69	Resp:	27997
Ion	Ratio	Lower	Upper
69	100		
41	80.3	61.4	92.0
39	37.2	32.7	49.1





#57

1,3-Dichloropropane

Concen: 4.701 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

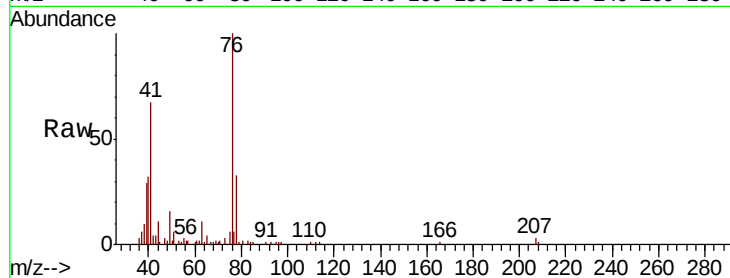
ClientSampleId :

Tot Ion: 76 Resp: 33210

Ion Ratio Lower Upper

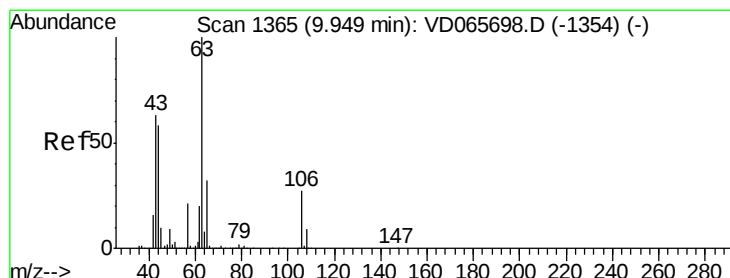
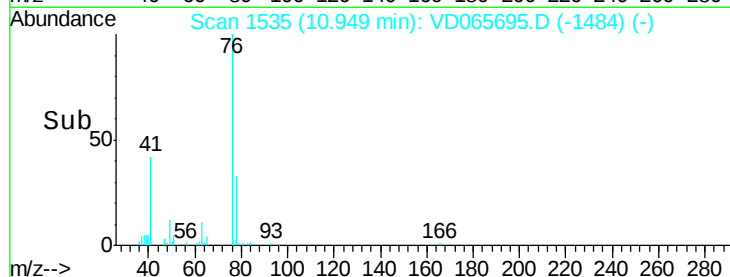
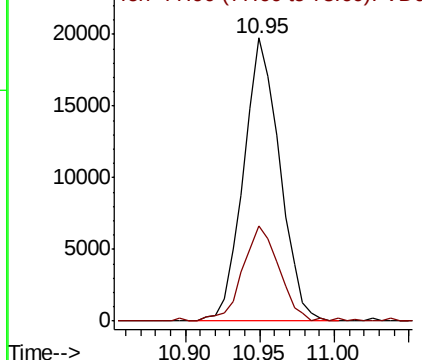
76 100

78 33.8 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 26.636 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065695.D

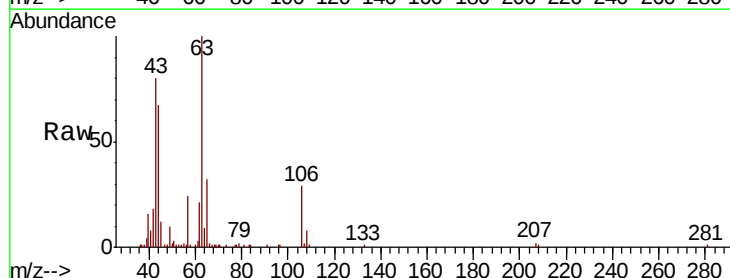
Acq: 06 May 2020 14:17

Tgt Ion: 63 Resp: 61268

Ion Ratio Lower Upper

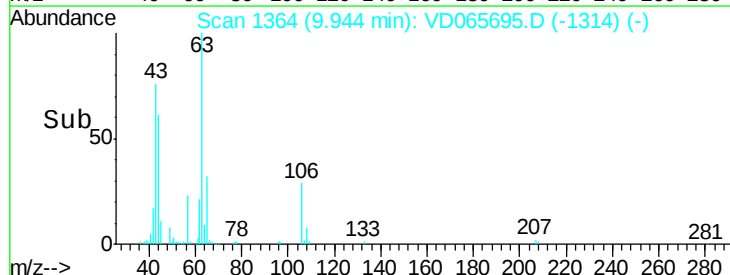
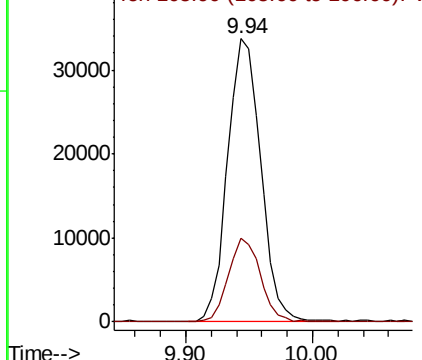
63 100

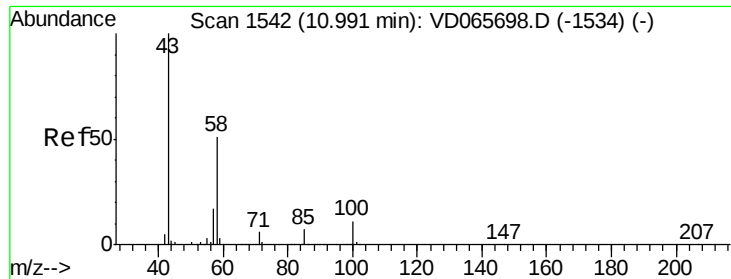
106 28.3 22.0 33.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

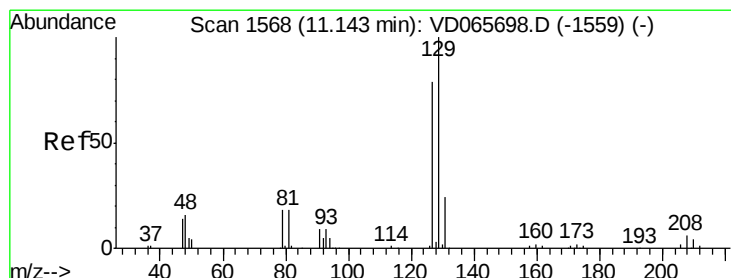
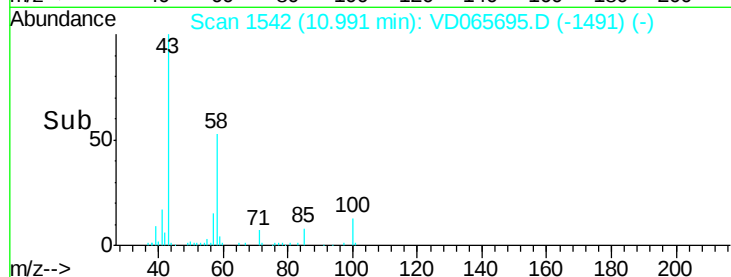
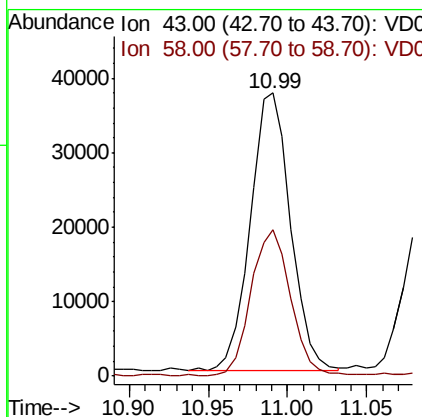
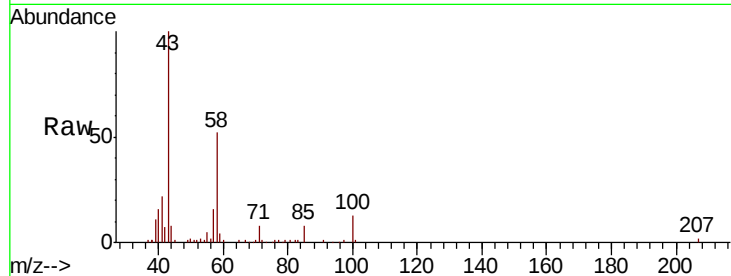




#59
2-Hexanone
Concen: 32.631 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

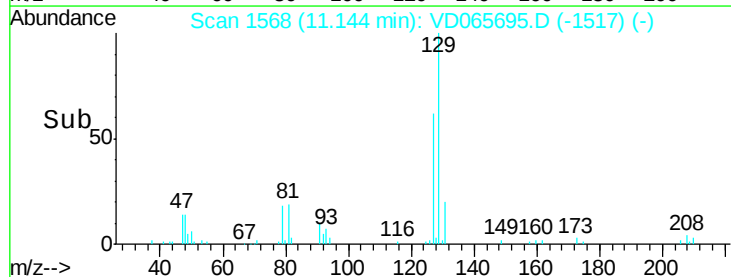
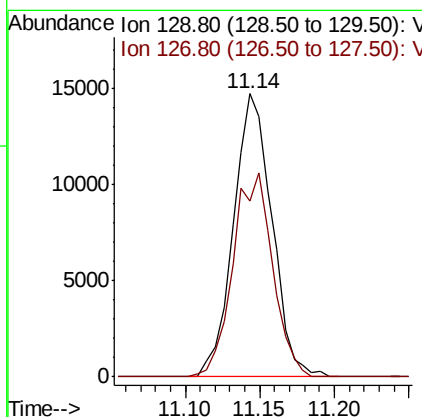
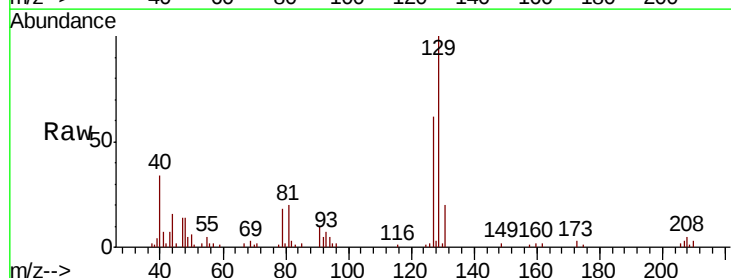
Instrument :
MSVOA_D
ClientSampleId :

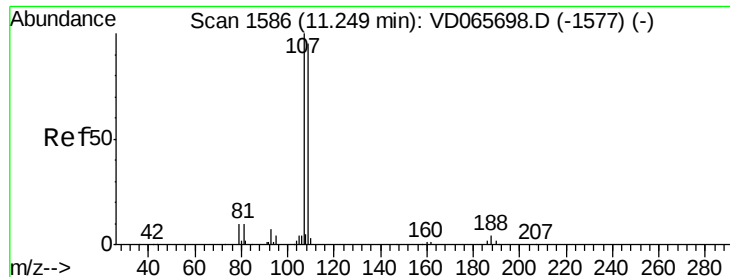
Tot Ion: 43 Resp: 65600
Ion Ratio Lower Upper
43 100
58 52.4 25.4 76.0



#60
Dibromochloromethane
Concen: 4.705 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion: 129 Resp: 26291
Ion Ratio Lower Upper
129 100
127 74.4 38.9 116.6





#61

1,2-Dibromoethane

Concen: 4.885 ug/l

RT: 11.26 min Scan# 1587

Delta R.T. 0.01 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

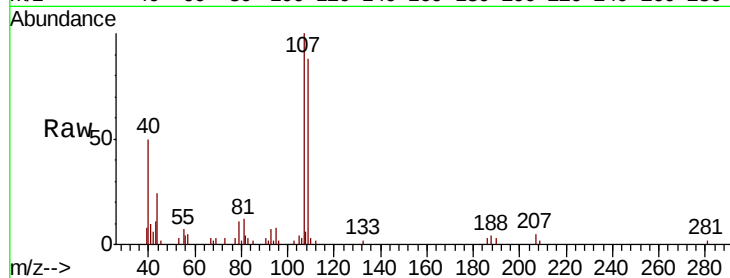
ClientSampleId :

Tot Ion:107 Resp: 19768

Ion Ratio Lower Upper

107 100

109 93.4 74.9 112.3

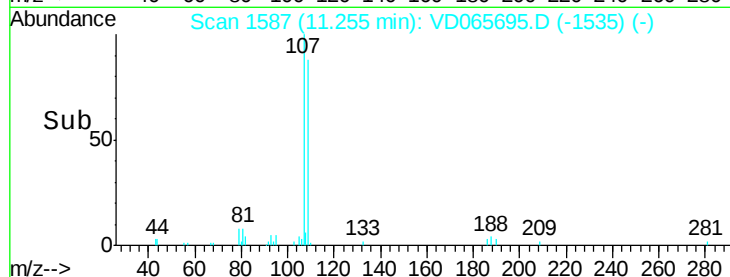


Abundance Ion 106.90 (106.60 to 107.60): V

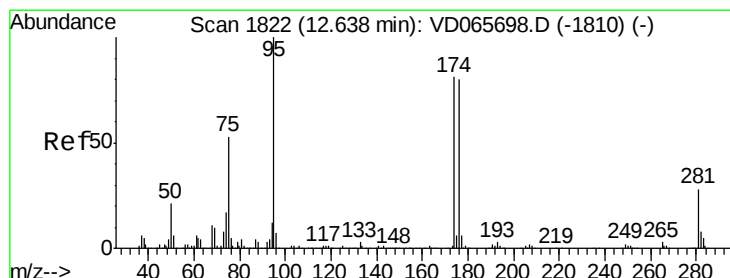
Ion 108.80 (108.50 to 109.50): V

11.26

Time-->



Time-->



#62

4-Bromofluorobenzene

Concen: 5.580 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

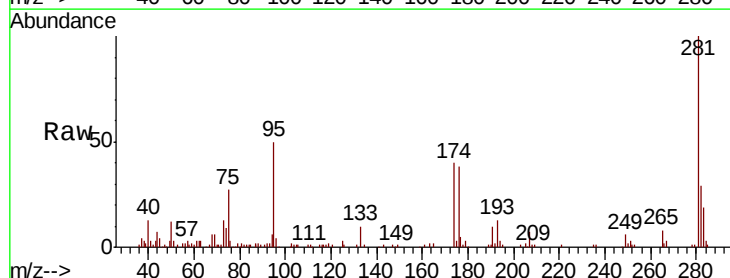
Tgt Ion: 95 Resp: 36782

Ion Ratio Lower Upper

95 100

174 80.7 0.0 162.6

176 79.2 0.0 159.0



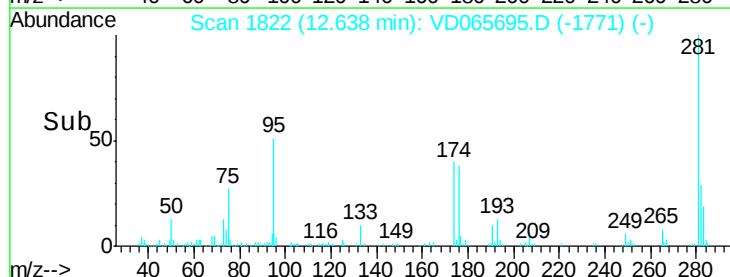
Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

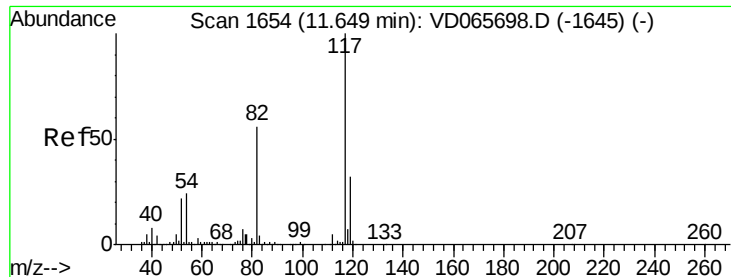
Ion 175.80 (175.50 to 176.50): V

12.64

Time-->



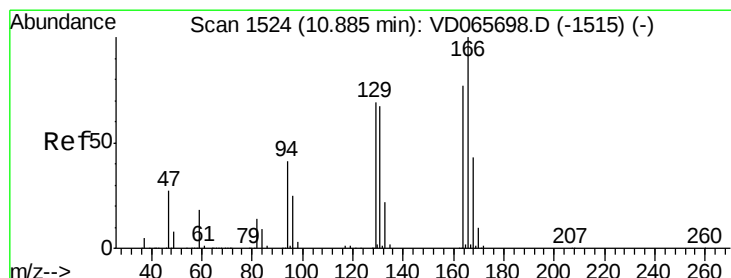
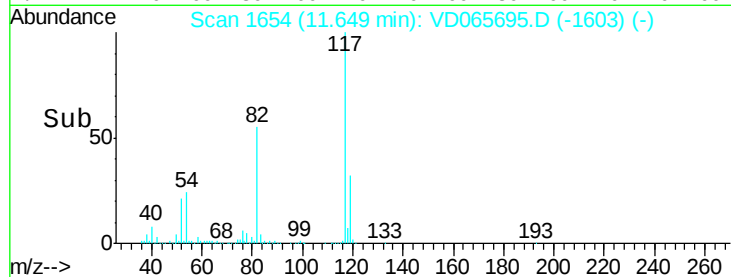
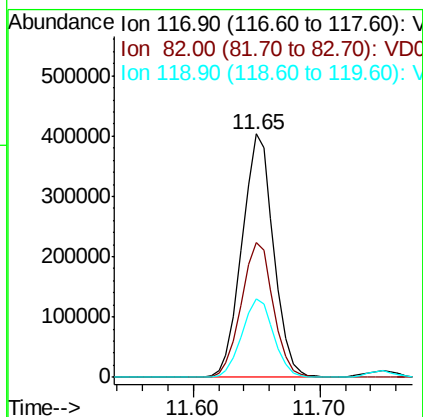
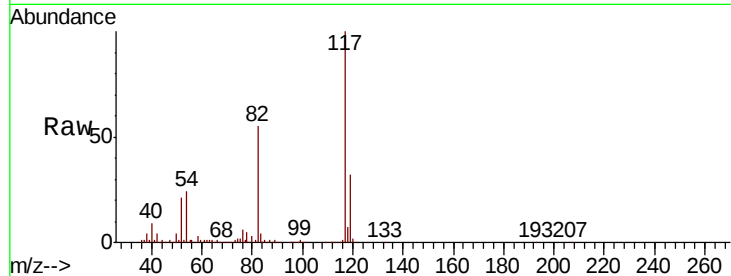
Time-->



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

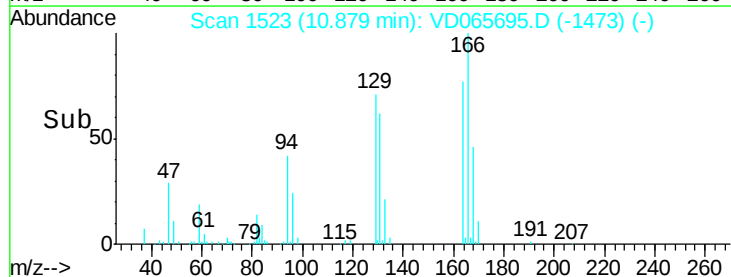
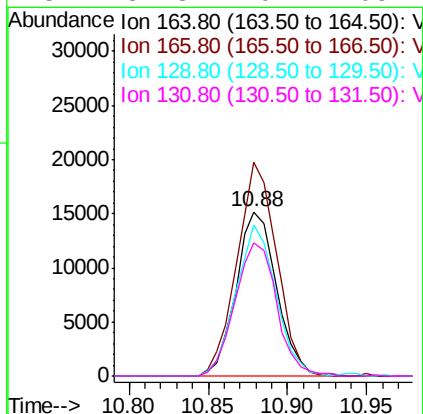
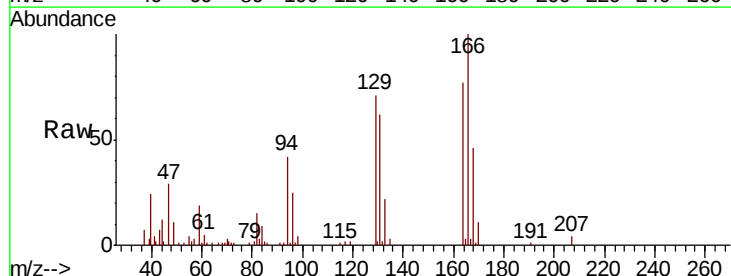
Instrument :
MSVOA_D
ClientSampled :

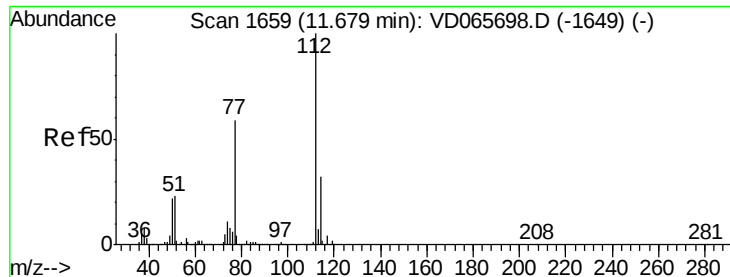
Tot Ion:117 Resp: 697524
Ion Ratio Lower Upper
117 100
82 55.3 44.9 67.3
119 32.3 25.4 38.2



#64
Tetrachloroethene
Concen: 5.009 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.01 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion:164 Resp: 26911
Ion Ratio Lower Upper
164 100
166 130.4 104.3 156.5
129 92.6 71.9 107.9
131 81.3 70.2 105.2

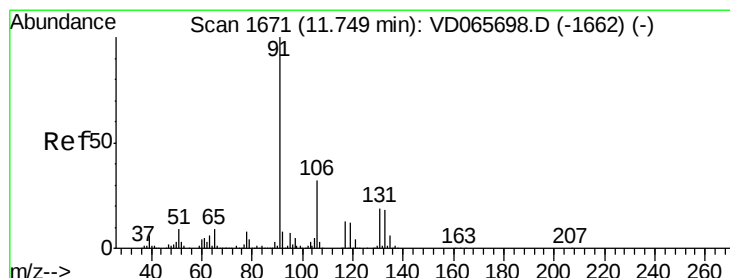
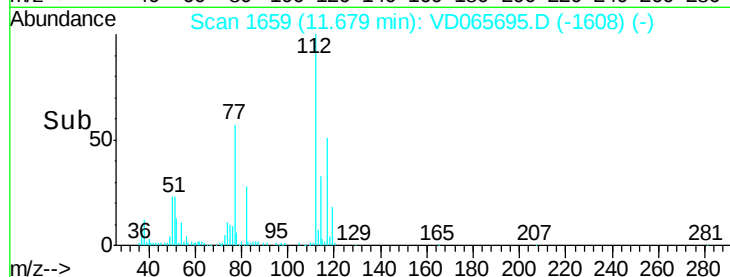
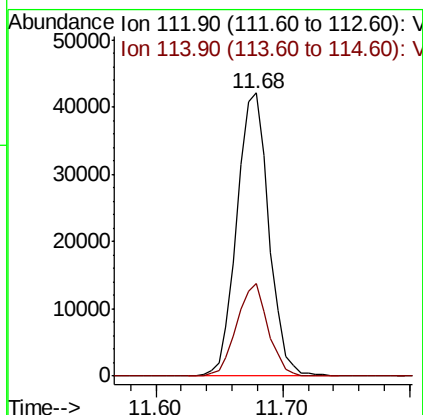
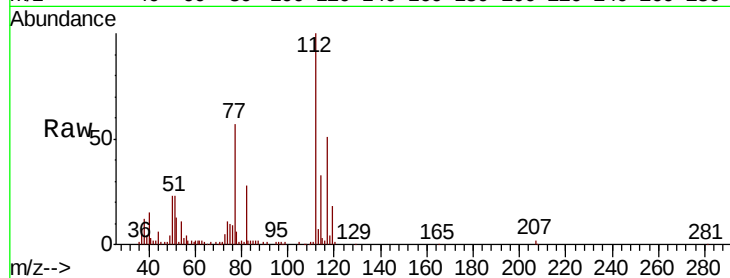




#65
Chlorobenzene
Concen: 4.985 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

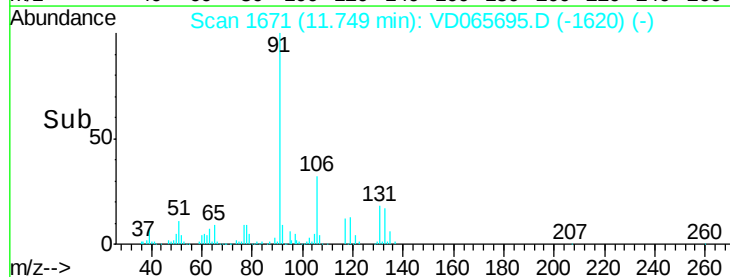
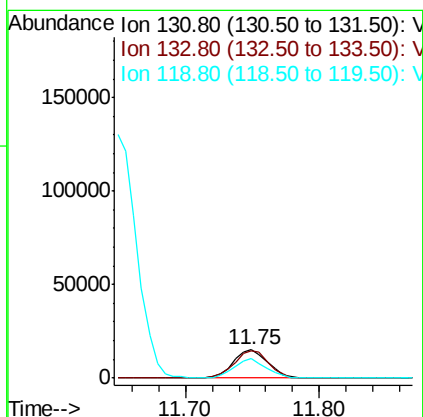
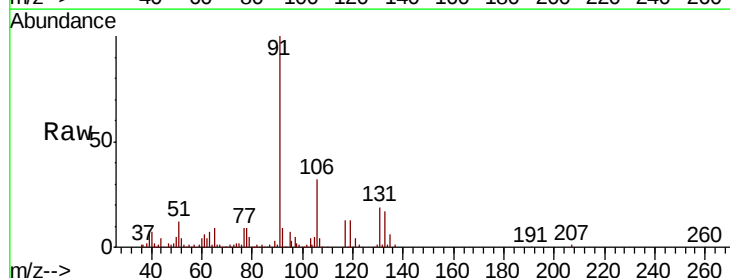
Instrument :
MSVOA_D
ClientSampleId :

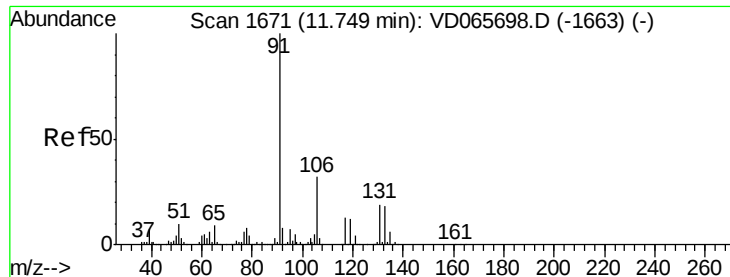
Tot Ion:112 Resp: 73356
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 4.832 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion:131 Resp: 27035
Ion Ratio Lower Upper
131 100
133 98.2 47.3 141.8
119 65.7 31.8 95.4





#67

Ethyl Benzene

Concen: 5.608 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

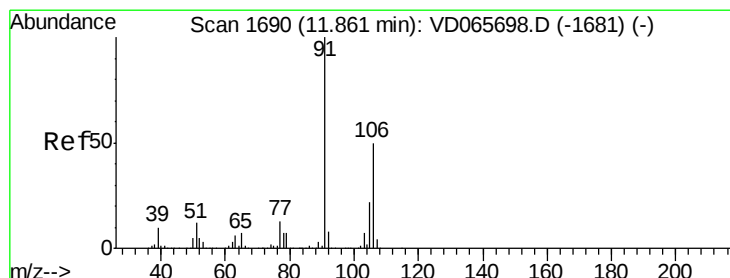
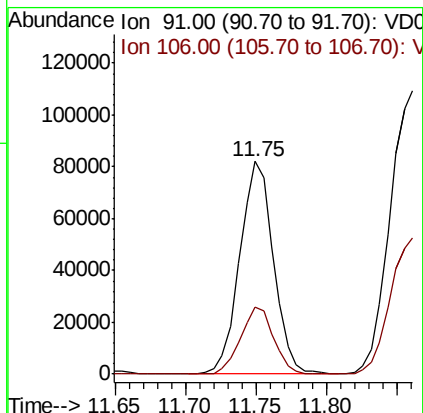
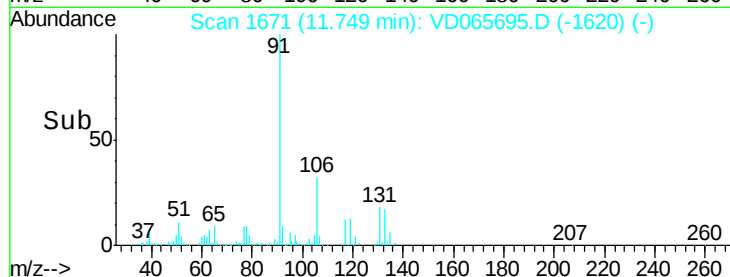
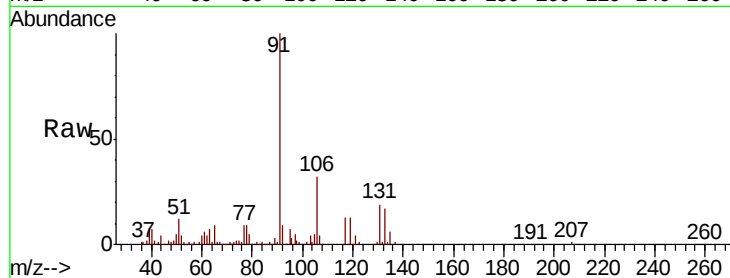
ClientSampleId :

Tot Ion: 91 Resp: 137692

Ion Ratio Lower Upper

91 100

106 31.7 25.2 37.8



#68

m/p-Xylenes

Concen: 10.888 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065695.D

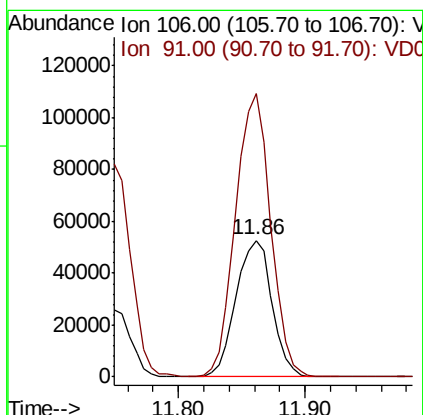
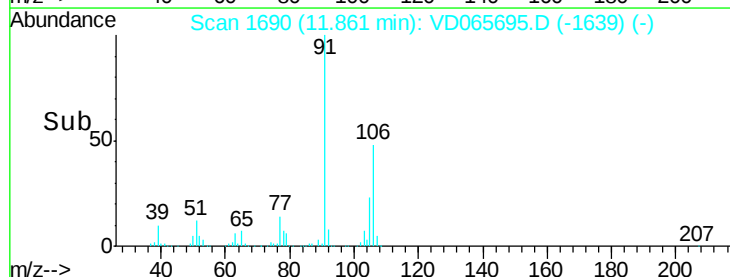
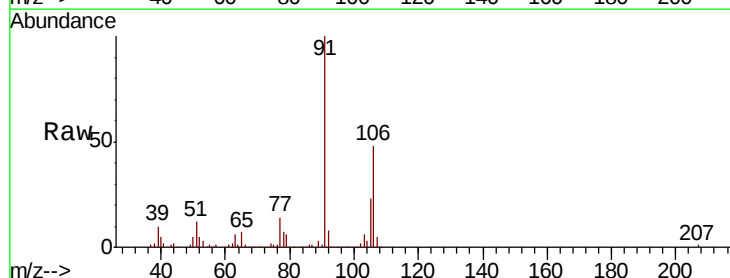
Acq: 06 May 2020 14:17

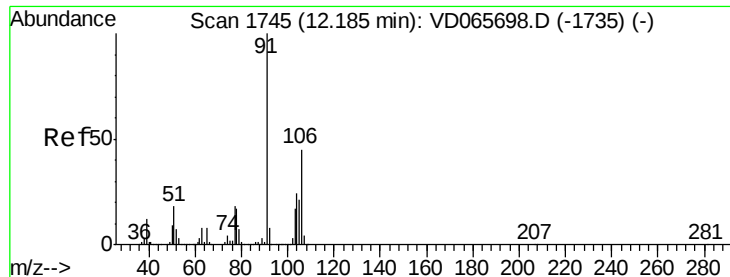
Tgt Ion: 106 Resp: 104021

Ion Ratio Lower Upper

106 100

91 202.0 163.1 244.7

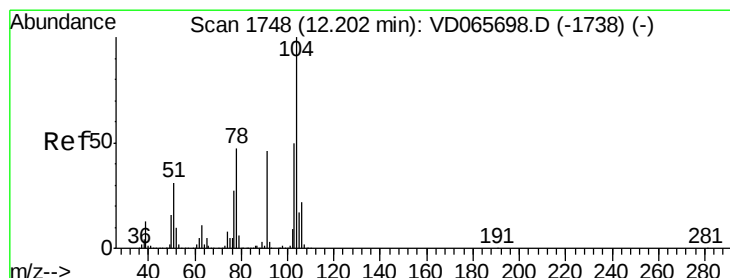
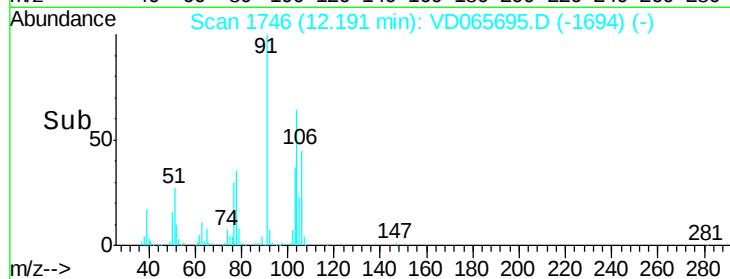
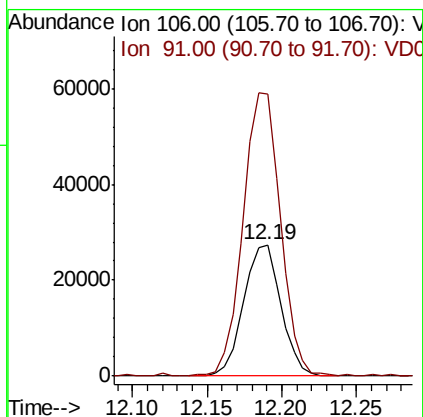
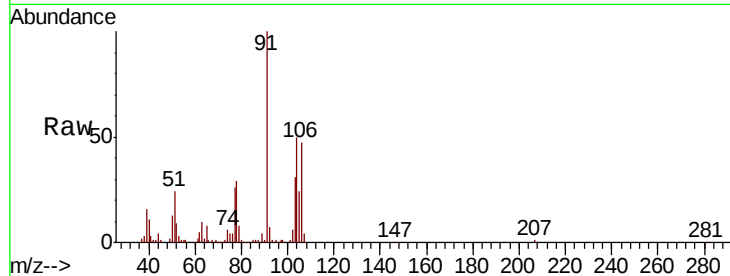




#69
o-Xylene
Concen: 5.665 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

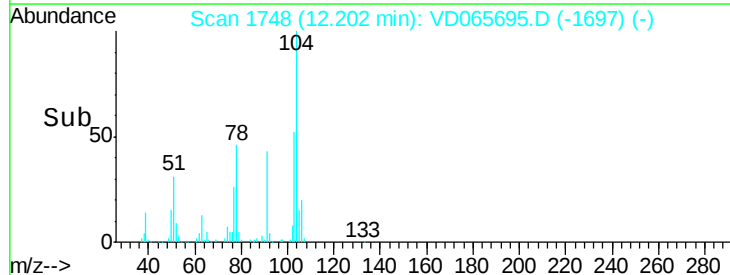
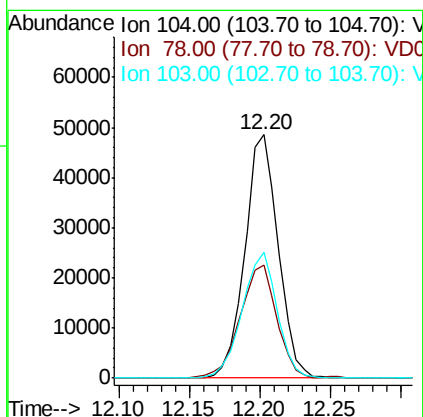
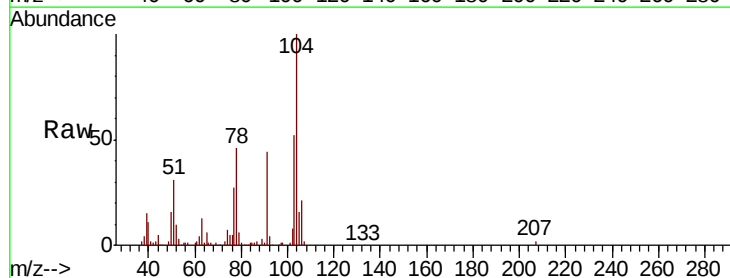
Instrument :
MSVOA_D
ClientSampled :

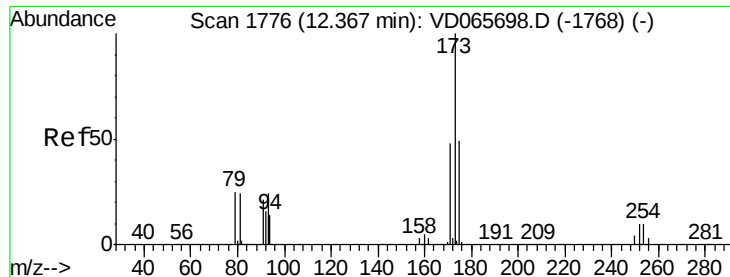
Tot Ion:106 Resp: 47313
Ion Ratio Lower Upper
106 100
91 216.6 107.9 323.7



#70
Styrene
Concen: 5.502 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion:104 Resp: 80483
Ion Ratio Lower Upper
104 100
78 51.1 41.0 61.4
103 54.1 43.8 65.6





#71

Bromoform

Concen: 4.736 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

ClientSampled :

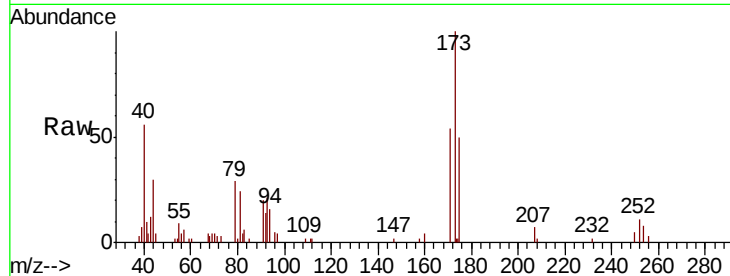
Tot Ion:173 Resp: 14994

Ion Ratio Lower Upper

173 100

175 48.5 24.5 73.5

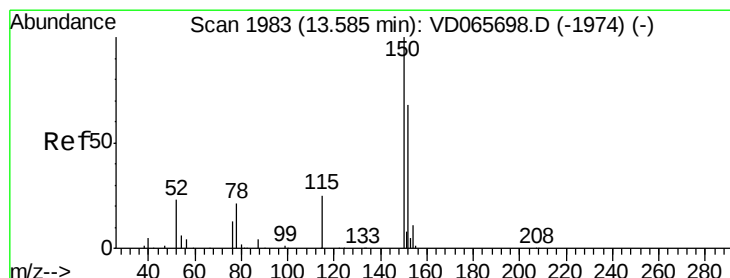
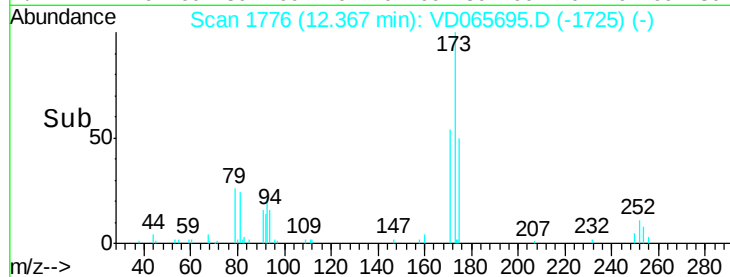
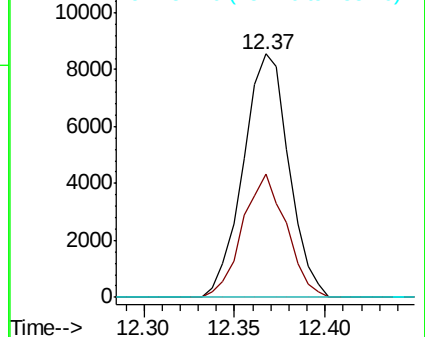
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

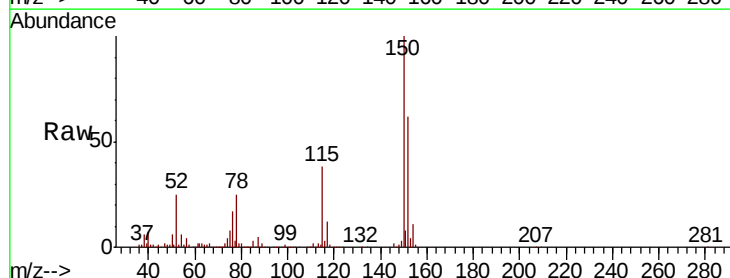
Tgt Ion:152 Resp: 329531

Ion Ratio Lower Upper

152 100

115 58.8 29.5 88.5

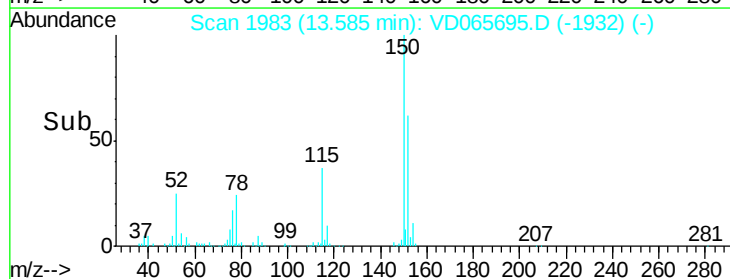
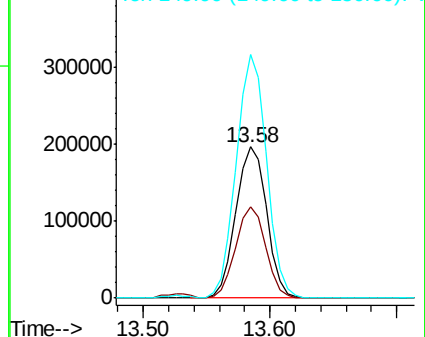
150 159.2 0.0 346.8

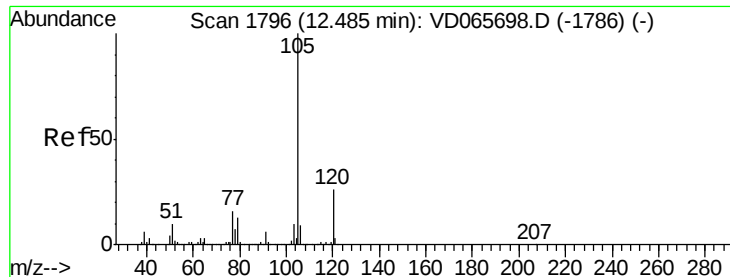


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 6.448 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

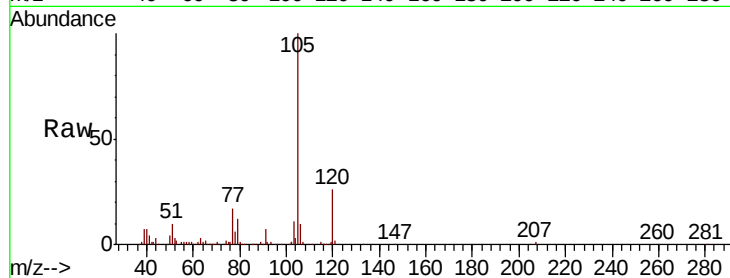
ClientSampleId :

Tot Ion:105 Resp: 136059

Ion Ratio Lower Upper

105 100

120 26.1 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

80000

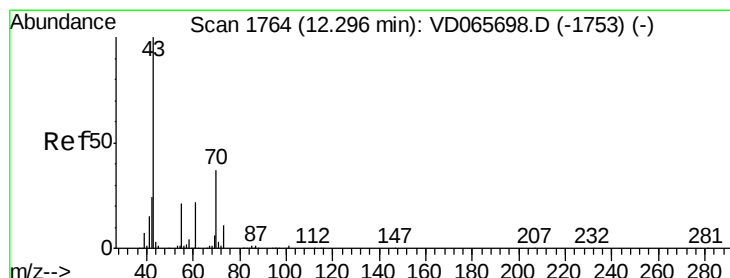
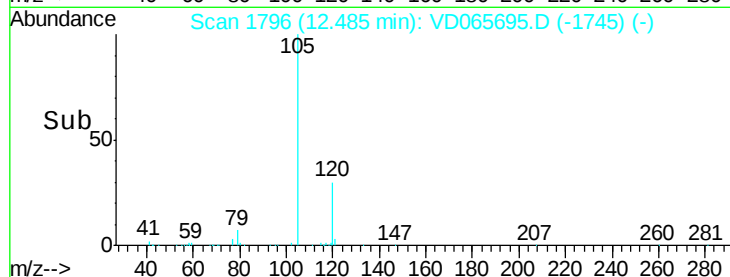
60000

40000

20000

0

Time--> 12.40 12.50



#74

N-ethyl acetate

Concen: 7.970 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Tgt Ion: 43 Resp: 37247

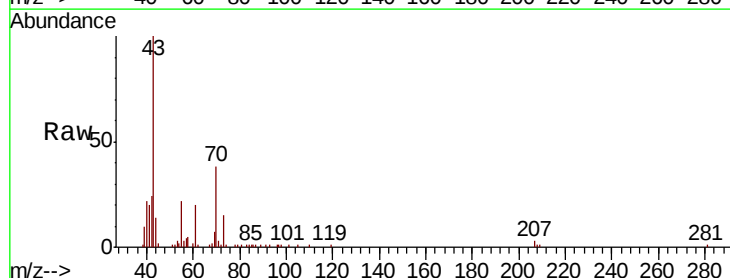
Ion Ratio Lower Upper

43 100

70 41.0 29.3 43.9

55 22.6 16.4 24.6

61 21.4 18.0 27.0



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

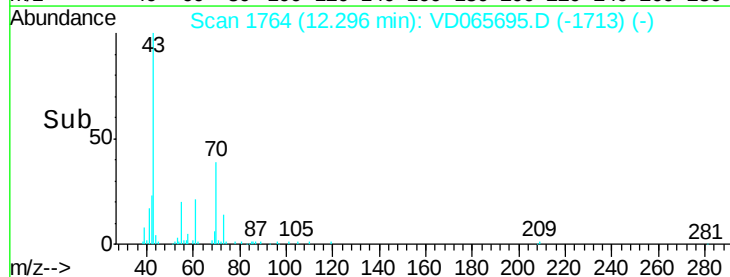
30000

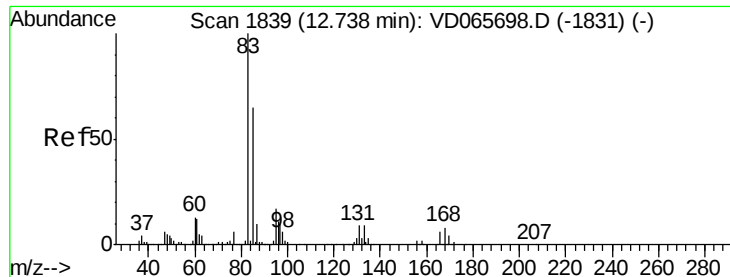
20000

10000

0

Time--> 12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 5.719 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

ClientSampleId :

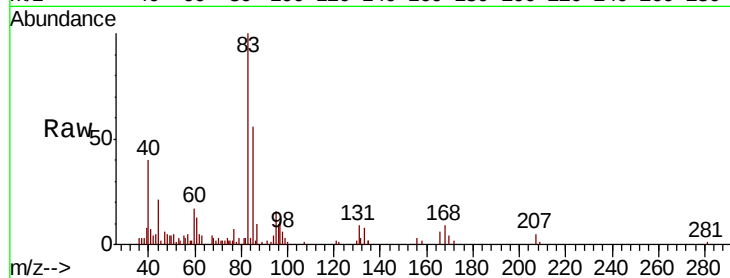
Tot Ion: 83 Resp: 22374

Ion Ratio Lower Upper

83 100

131 9.8 5.5 16.7

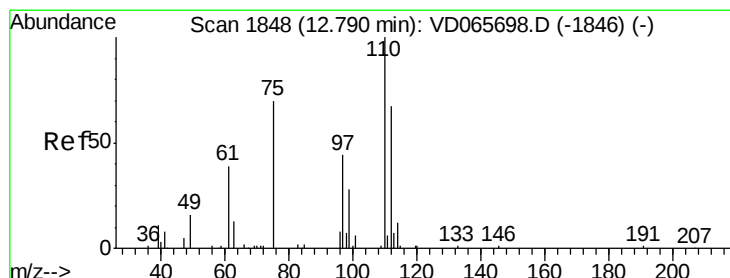
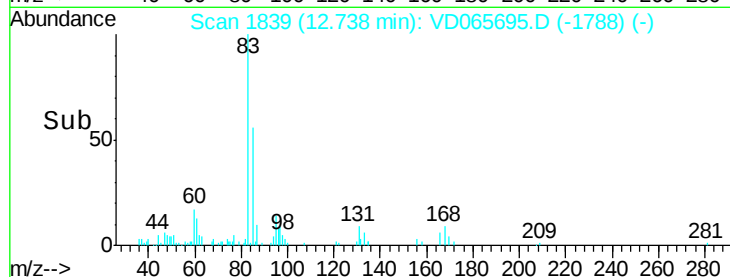
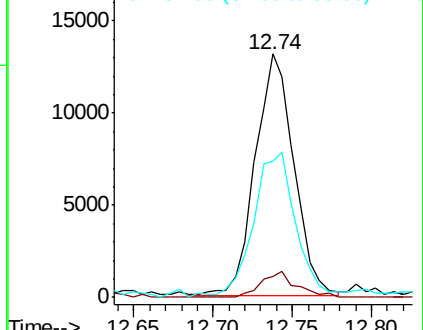
85 60.9 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 11.475 ug/l

RT: 12.80 min Scan# 1849

Delta R.T. 0.01 min

Lab File: VD065695.D

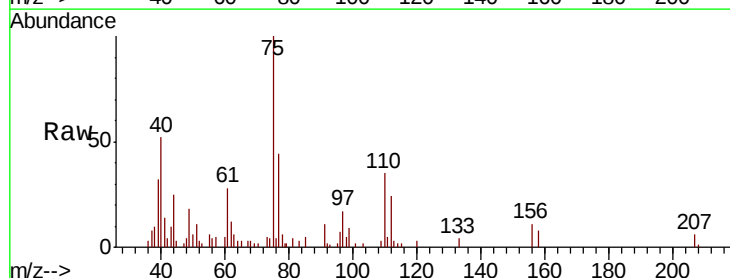
Acq: 06 May 2020 14:17

Tgt Ion: 75 Resp: 30659

Ion Ratio Lower Upper

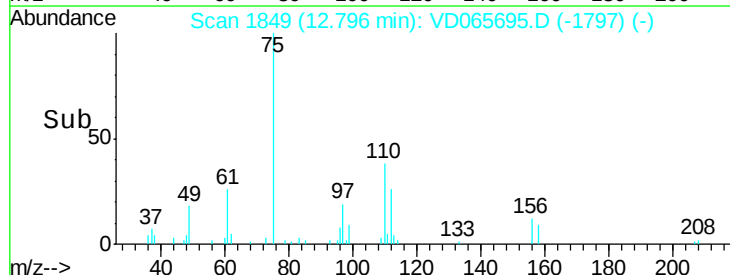
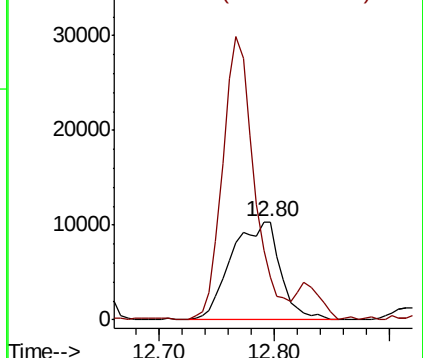
75 100

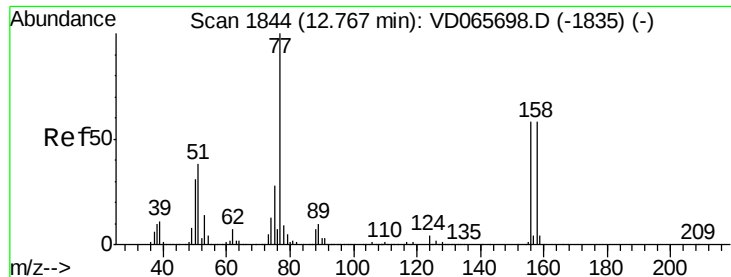
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 5.354 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

ClientSampleId :

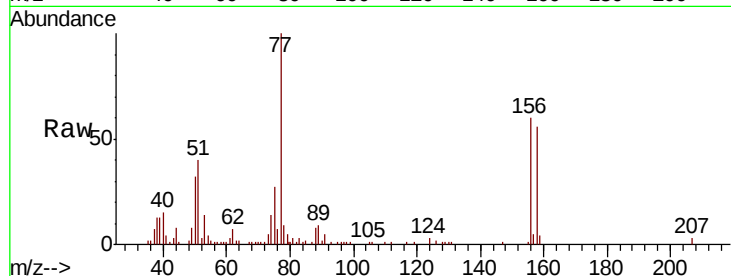
Tot Ion:156 Resp: 30371

Ion Ratio Lower Upper

156 100

77 188.4 92.9 278.7

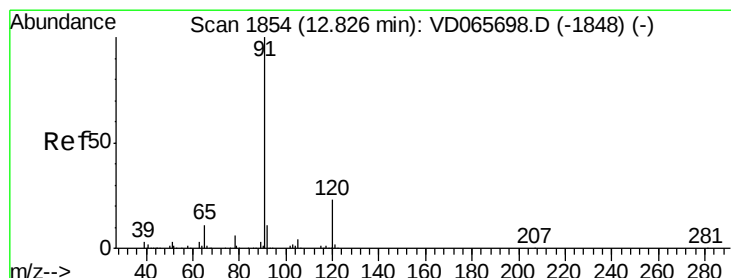
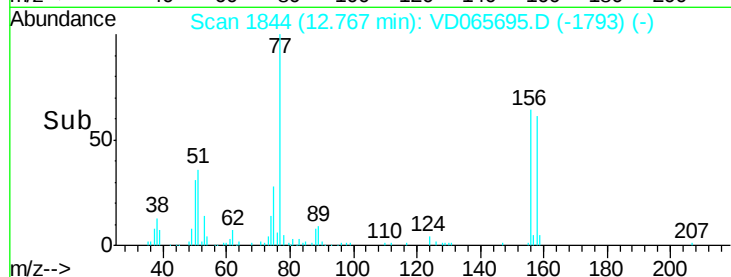
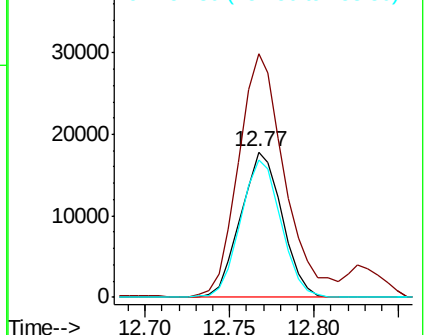
158 92.7 48.9 146.7



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: 6.074 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065695.D

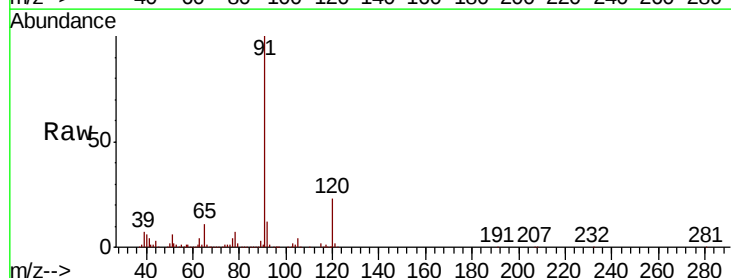
Acq: 06 May 2020 14:17

Tgt Ion: 91 Resp: 154535

Ion Ratio Lower Upper

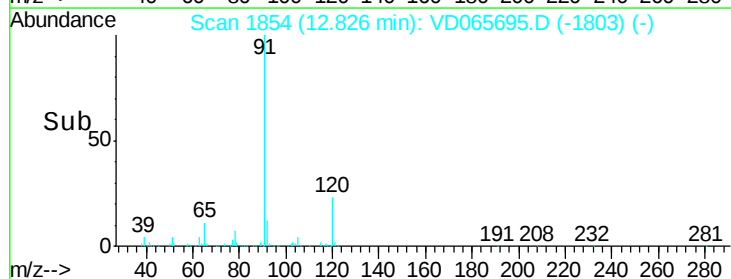
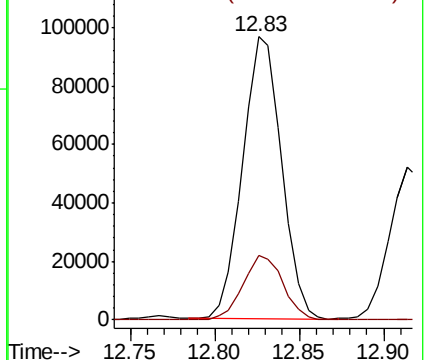
91 100

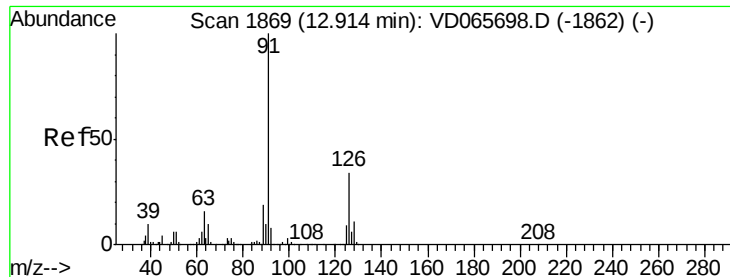
120 23.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

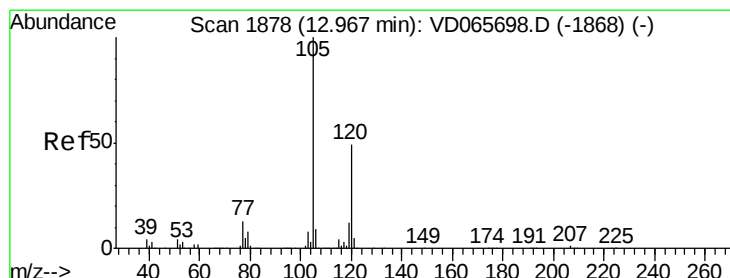
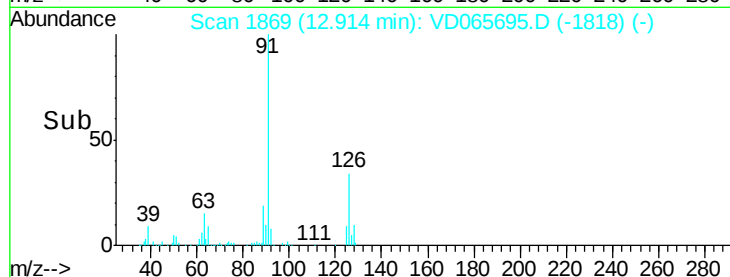
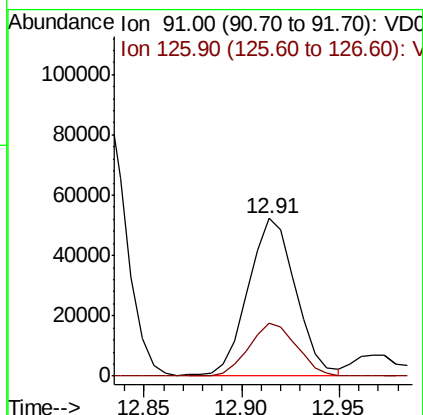
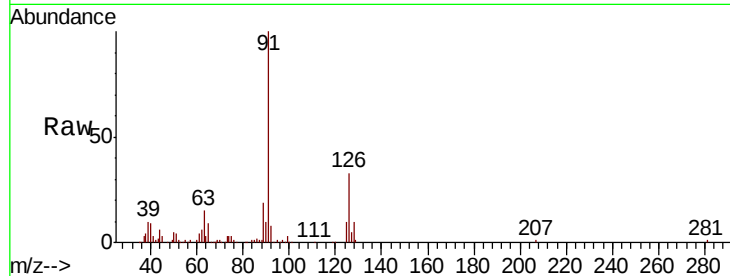




#79
 2-Chlorotoluene
 Concen: 5.995 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

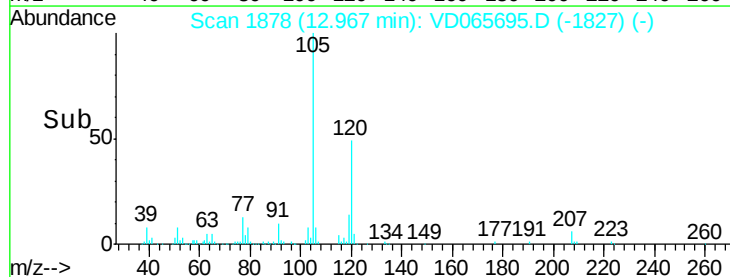
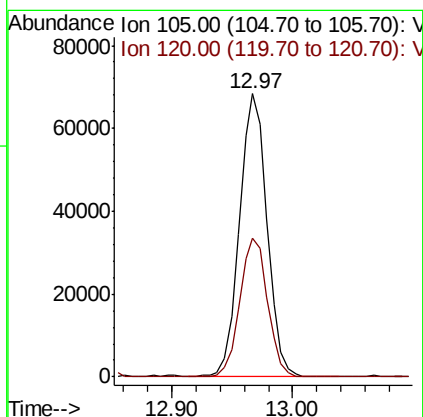
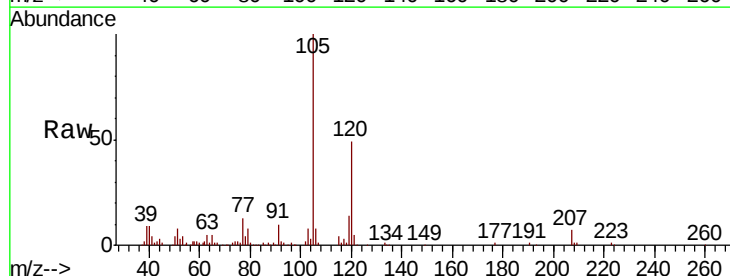
Instrument :
 MSVOA_D
 ClientSampleID :

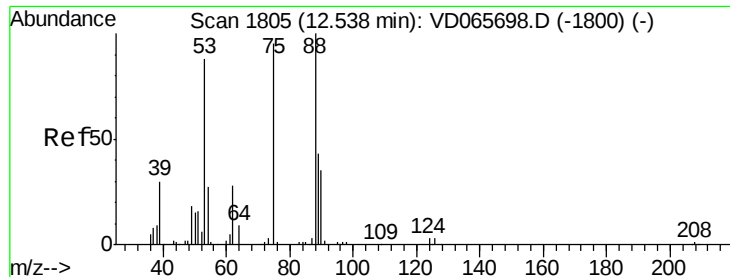
Tot Ion: 91 Resp: 87574
 Ion Ratio Lower Upper
 91 100
 126 33.9 16.9 50.6



#80
 1,3,5-Trimethylbenzene
 Concen: 6.126 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Tgt Ion:105 Resp: 108780
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 6.906 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

ClientSampleId :

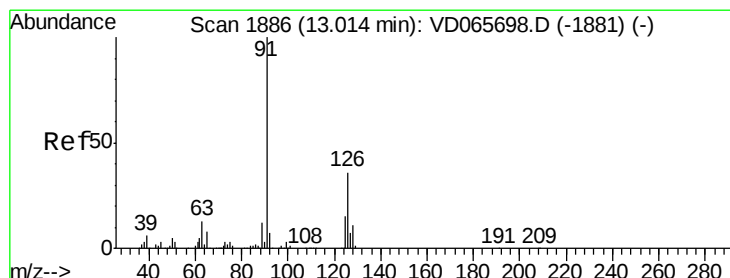
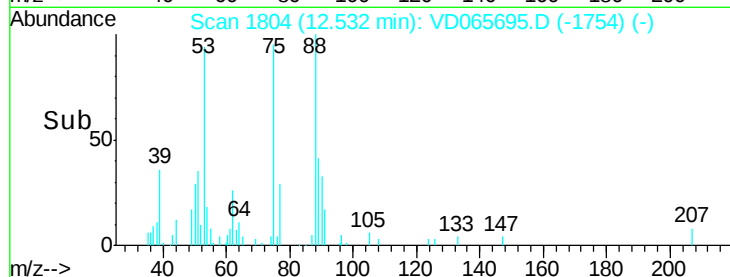
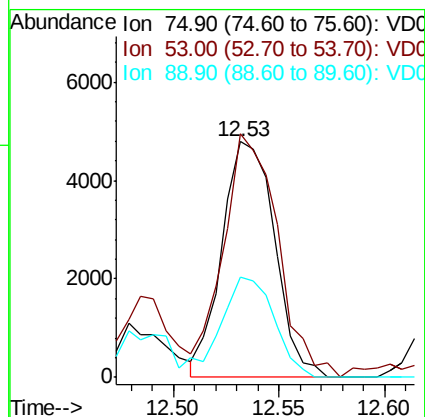
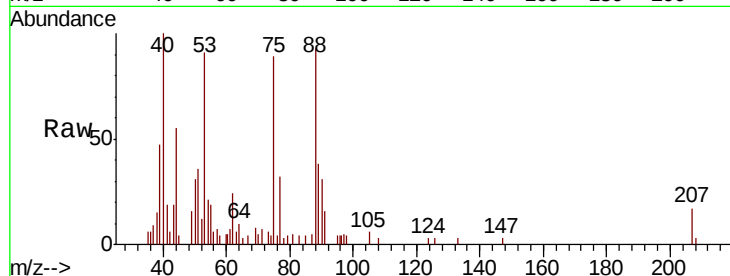
Tot Ion: 75 Resp: 8277

Ion Ratio Lower Upper

75 100

53 106.5 75.8 113.8

89 40.6 36.2 54.2



#82

4-Chlorotoluene

Concen: 5.994 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065695.D

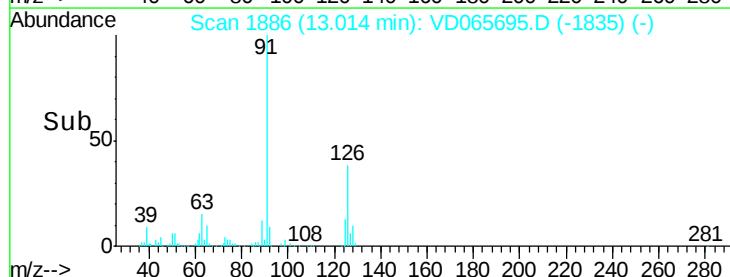
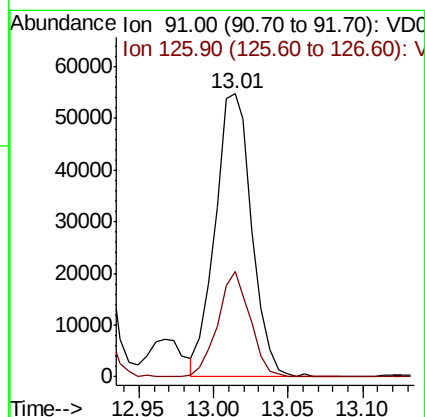
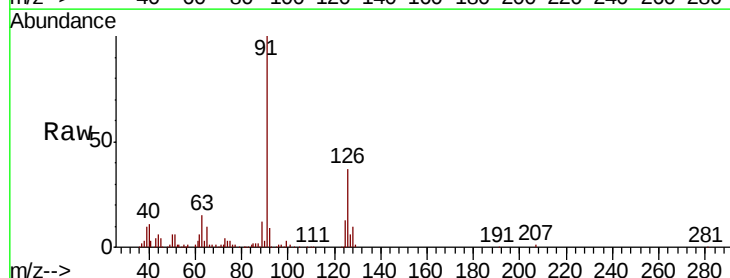
Acq: 06 May 2020 14:17

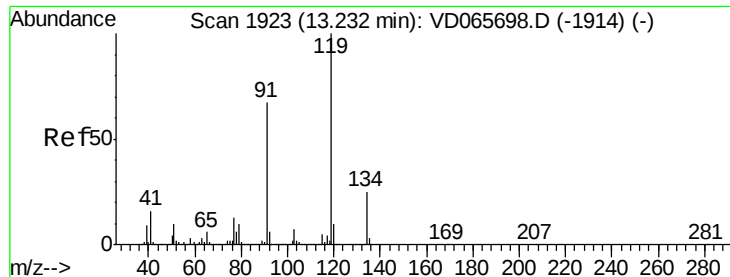
Tgt Ion: 91 Resp: 93861

Ion Ratio Lower Upper

91 100

126 32.9 17.1 51.3

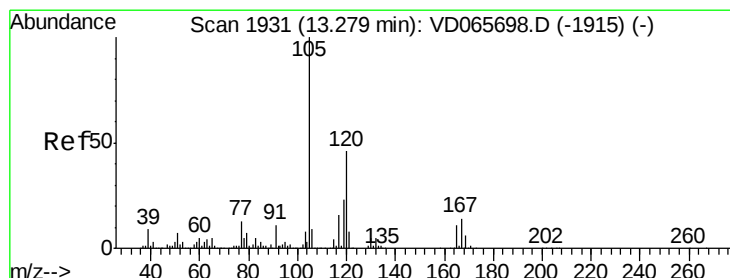
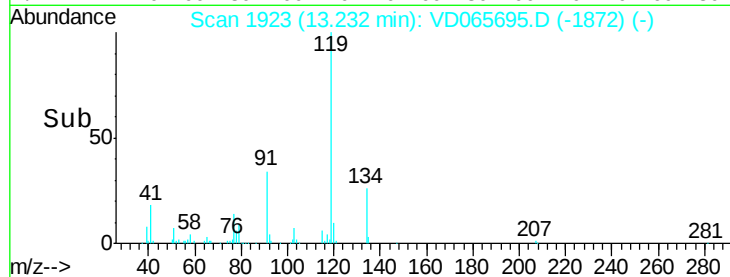
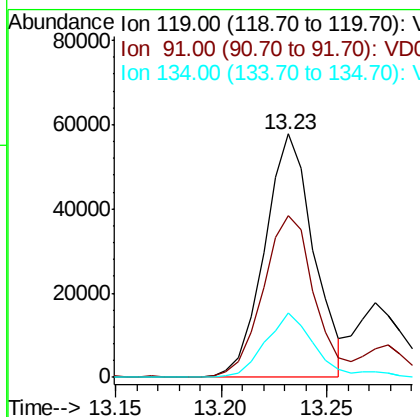
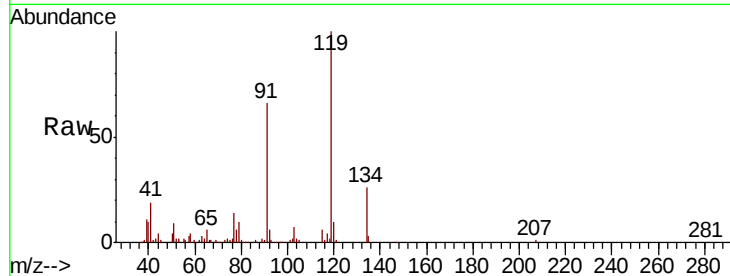




#83
tert-Butylbenzene
Concen: 6.296 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

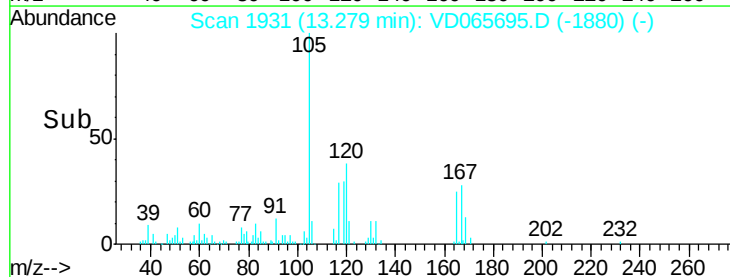
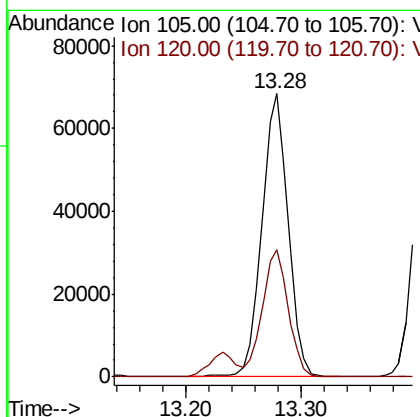
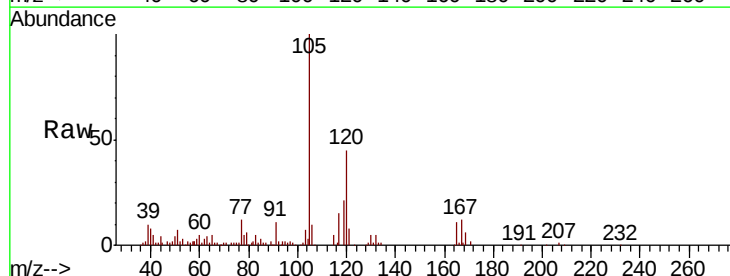
Instrument :
MSVOA_D
ClientSampled :

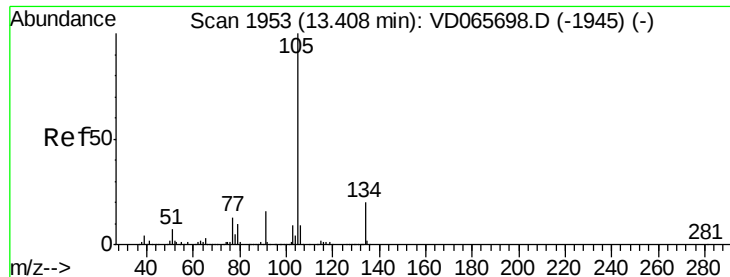
Tot Ion:119 Resp: 93034
Ion Ratio Lower Upper
119 100
91 69.8 33.6 100.8
134 27.0 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 6.179 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion:105 Resp: 108543
Ion Ratio Lower Upper
105 100
120 44.5 22.8 68.4

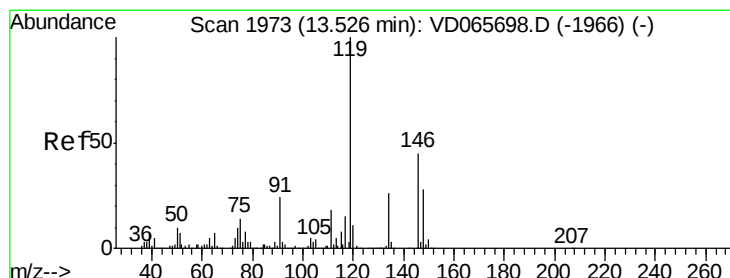
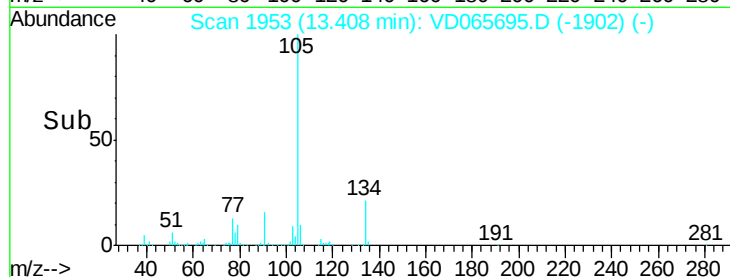
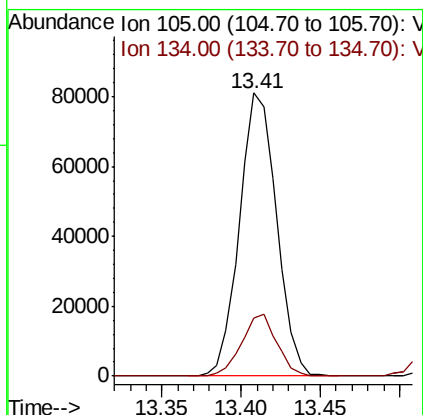
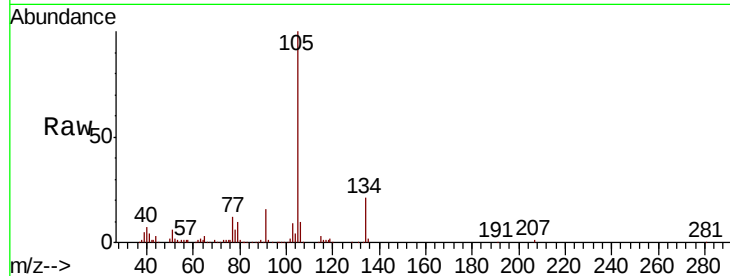




#85
 sec-Butylbenzene
 Concen: 6.220 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

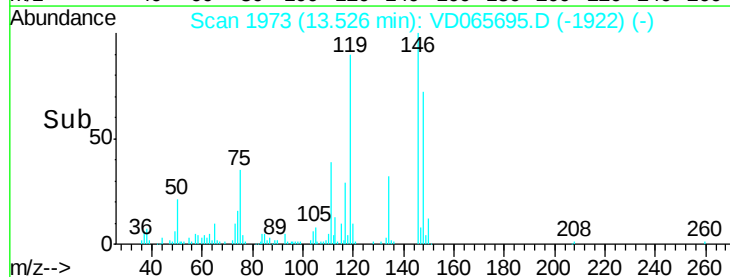
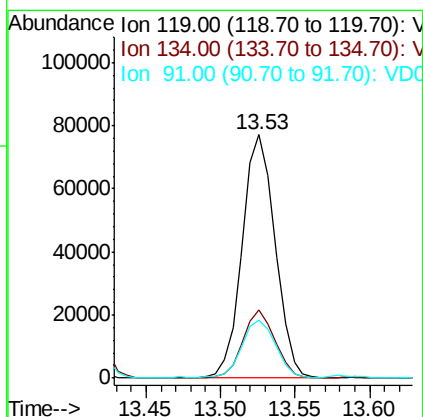
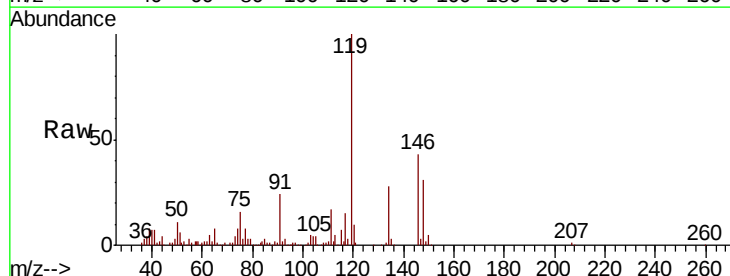
Instrument :
 MSVOA_D
 ClientSampleId :

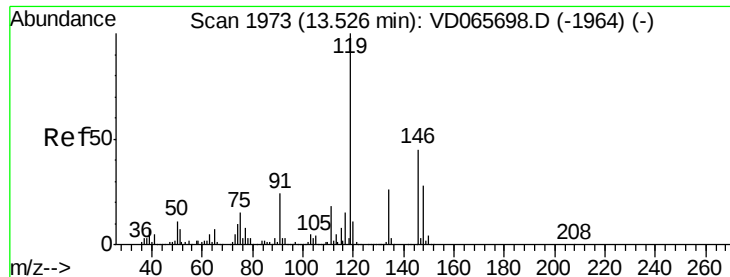
Tot Ion:105 Resp: 131783
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 6.094 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Tgt Ion:119 Resp: 118168
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.2 39.6
 91 24.6 12.0 36.1

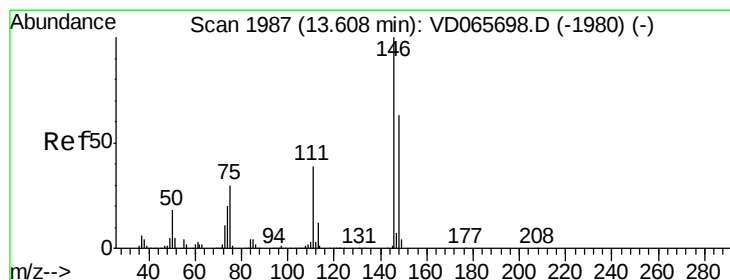
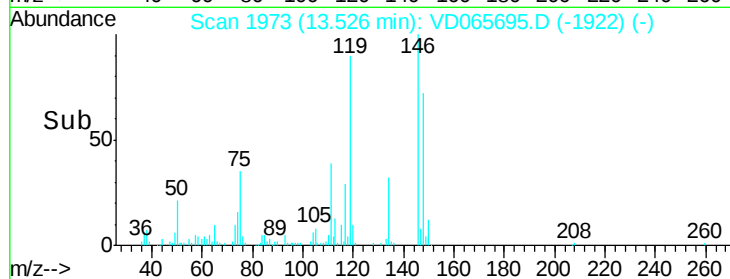
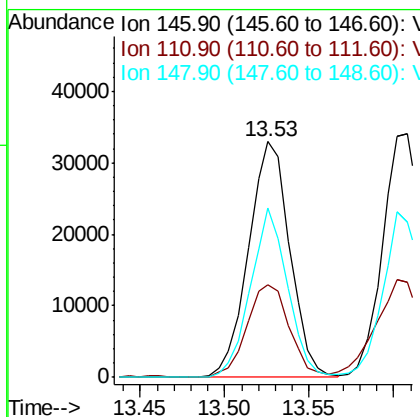
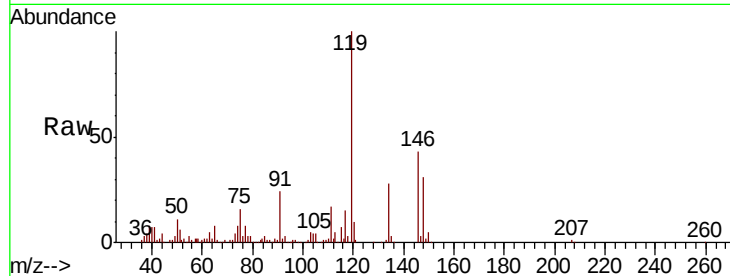




#87
 1,3-Dichlorobenzene
 Concen: 5.130 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

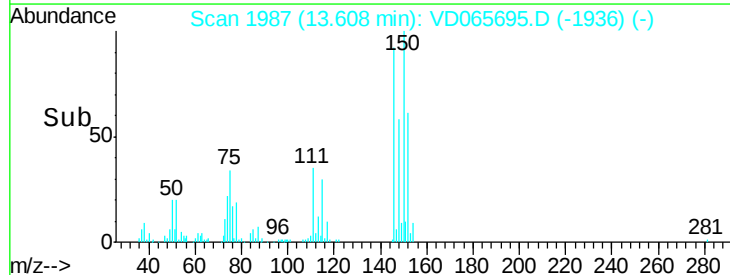
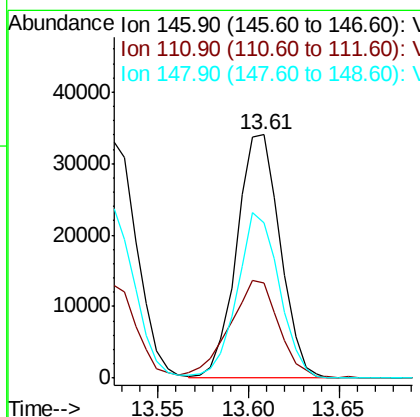
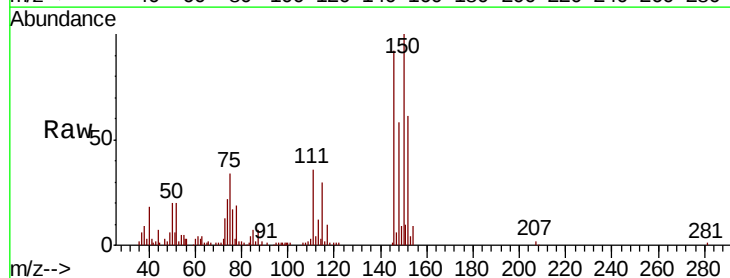
Instrument :
 MSVOA_D
 ClientSampleId :

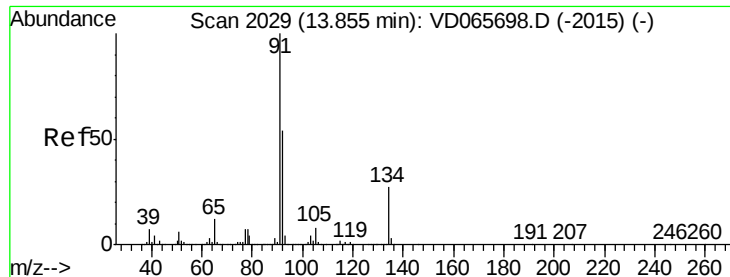
Tot Ion:146 Resp: 56087
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.6 58.8
 148 64.6 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 5.199 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Tgt Ion:146 Resp: 56736
 Ion Ratio Lower Upper
 146 100
 111 45.7 19.6 58.7
 148 65.9 31.9 95.5

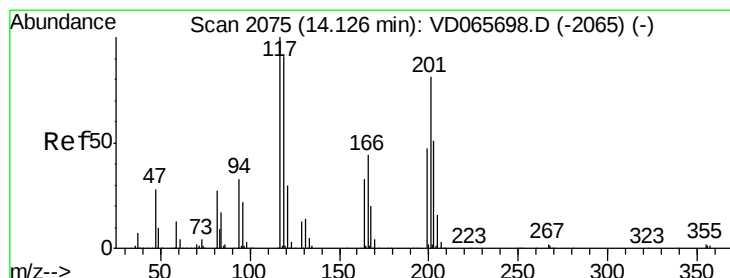
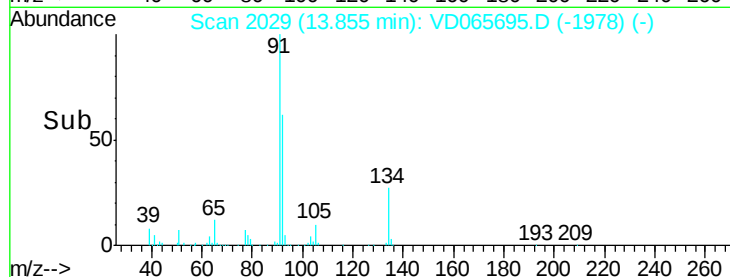
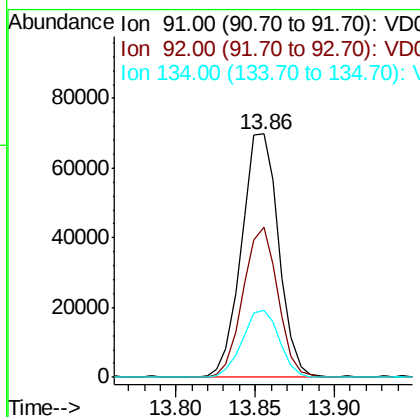
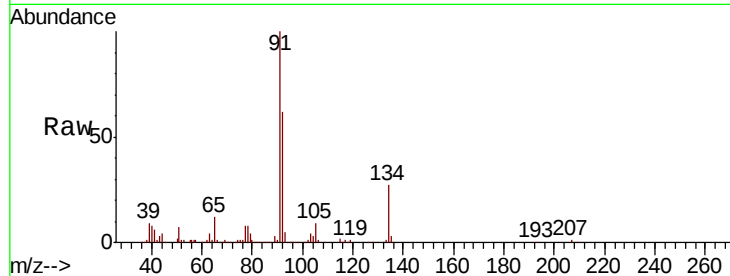




#89
n-Butylbenzene
Concen: 6.374 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

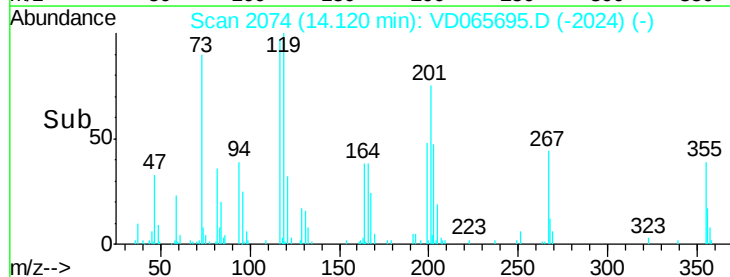
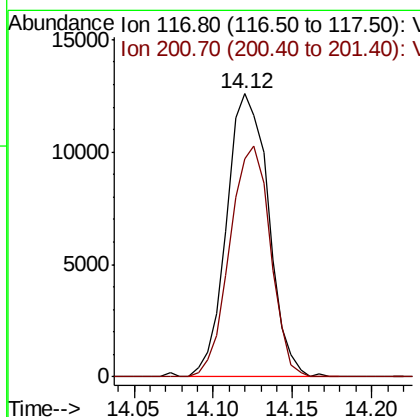
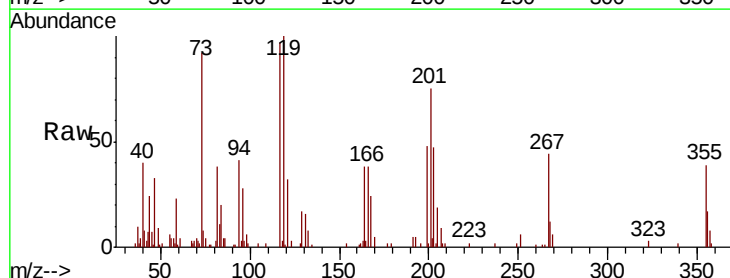
Instrument :
MSVOA_D
ClientSampleId :

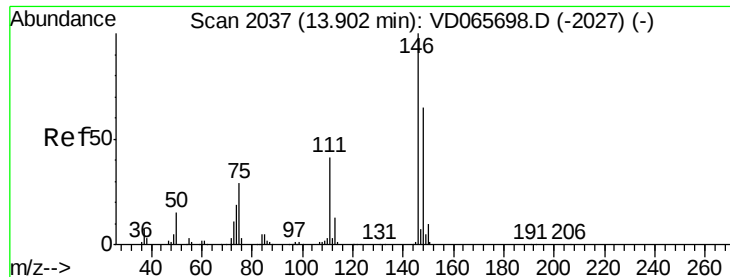
Tot Ion: 91 Resp: 113721
Ion Ratio Lower Upper
91 100
92 57.8 27.4 82.0
134 27.5 13.3 39.8



#90
Hexachloroethane
Concen: 5.427 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.01 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion: 117 Resp: 23078
Ion Ratio Lower Upper
117 100
201 78.8 39.1 117.2

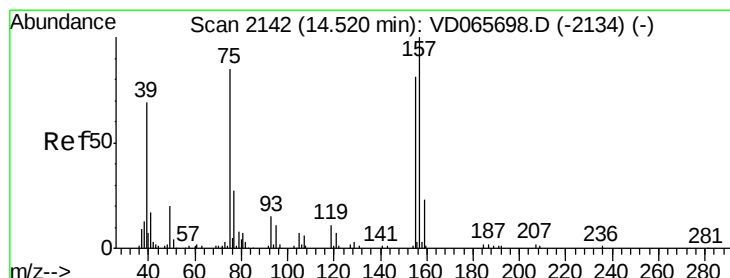
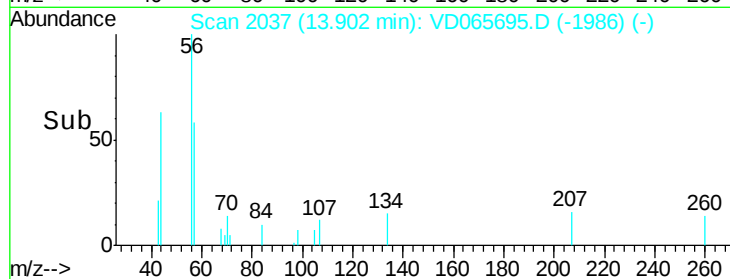
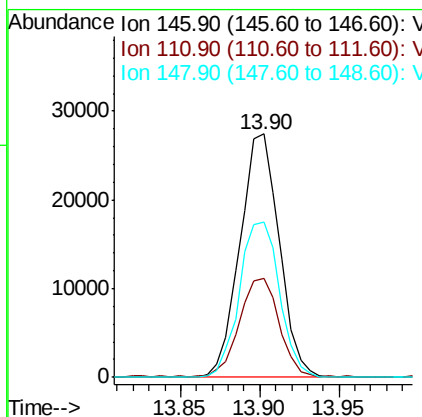
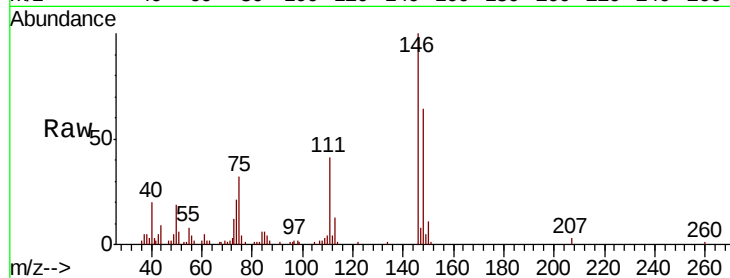




#91
 1,2-Dichlorobenzene
 Concen: 5.074 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

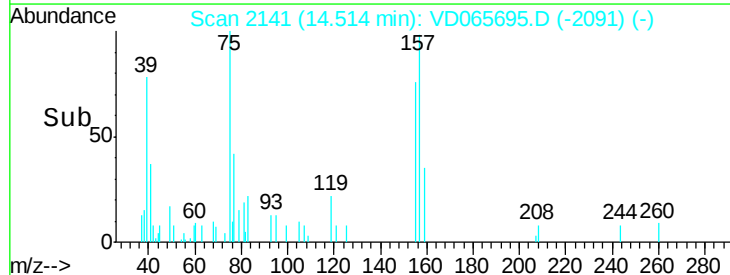
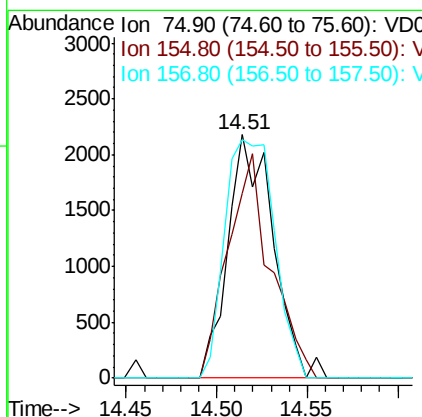
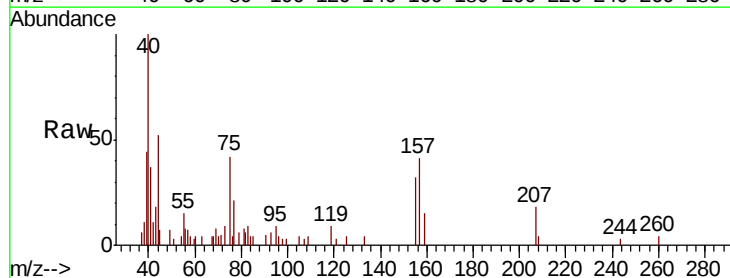
Instrument :
 MSVOA_D
 ClientSampleId :

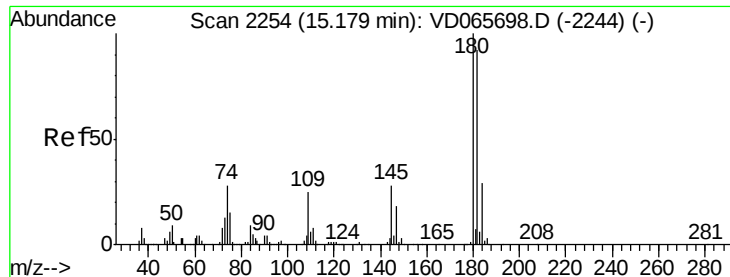
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.3	61.0
148	65.2	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.068 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.5	43.5	130.5
157	108.4	54.5	163.6

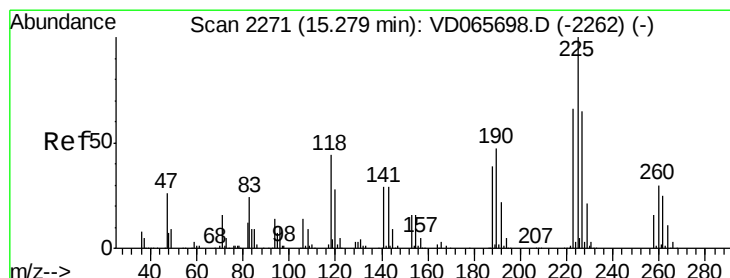
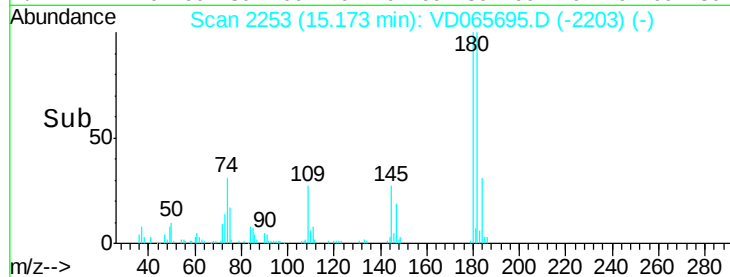
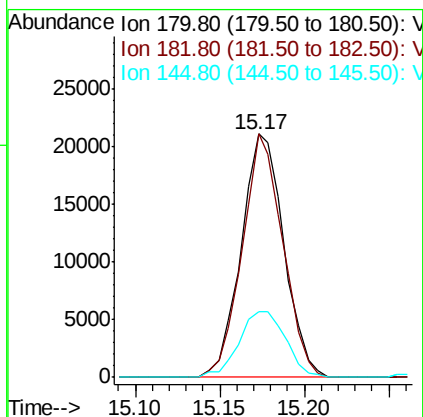
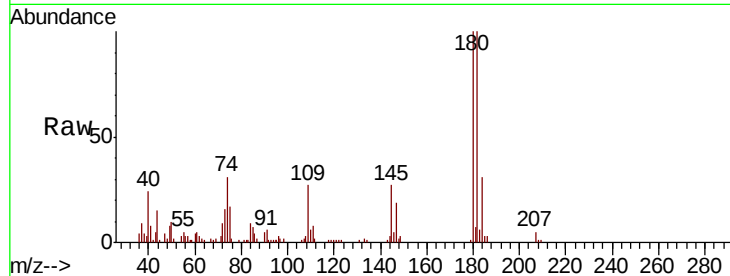




#93
 1,2,4-Trichlorobenzene
 Concen: 5.895 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

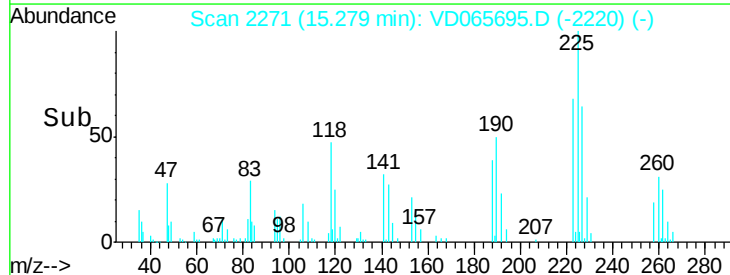
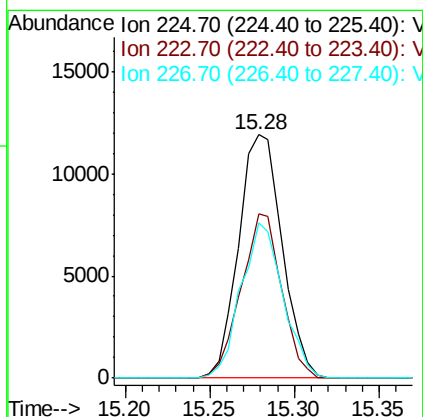
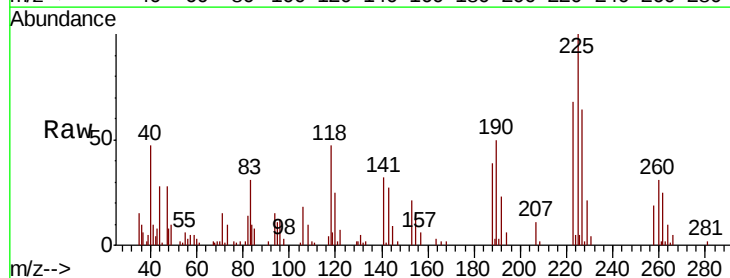
Instrument :
 MSVOA_D
 ClientSampled :

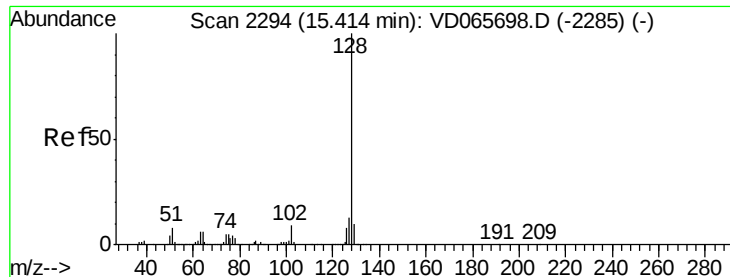
Tot Ion:180 Resp: 36914
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.0 141.0
 145 29.5 14.8 44.3



#94
 Hexachlorobutadiene
 Concen: 5.052 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Tgt Ion:225 Resp: 21368
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.8 95.3
 227 61.3 31.6 94.8

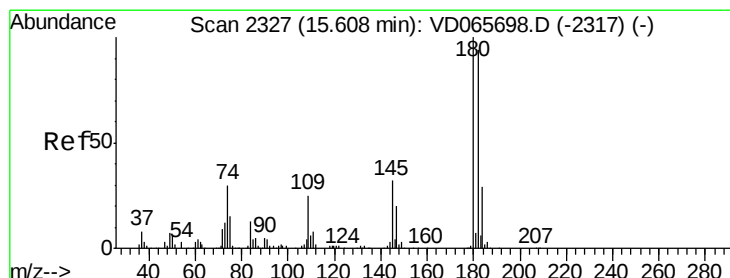
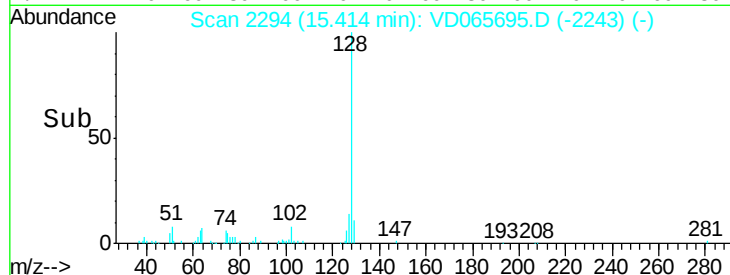
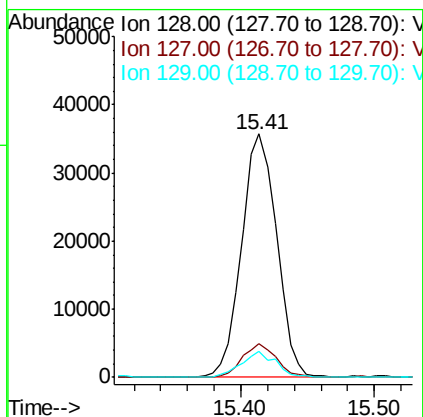
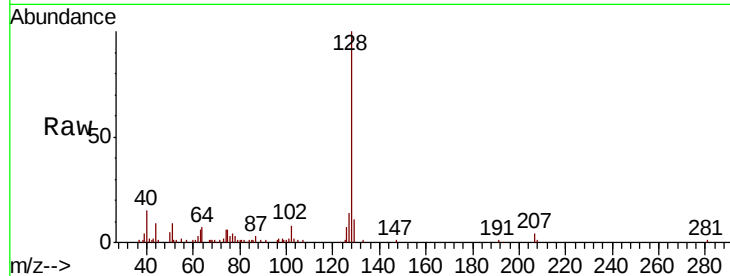




#95
Naphthalene
Concen: 6.917 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 65099
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 10.4 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 5.682 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion:180 Resp: 30668
Ion Ratio Lower Upper
180 100
182 96.0 46.9 140.6
145 32.4 16.0 47.9

