

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050820\
 Data File : VD065719.D
 Acq On : 08 May 2020 12:28
 Operator : VA/SY
 Sample : VD0508SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 09 03:48:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 17:01:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	388642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	583237	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	523694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	255698	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	179849	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	
35) Dibromofluoromethane	7.92	113	186252	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
50) Toluene-d8	10.34	98	714255	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
62) 4-Bromofluorobenzene	12.64	95	241930	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	51773	16.984	ug/l	95
3) Chloromethane	2.21	50	76775	19.971	ug/l	100
4) Vinyl Chloride	2.35	62	82244	21.114	ug/l	98
5) Bromomethane	2.76	94	57624	23.440	ug/l	100
6) Chloroethane	2.91	64	53873	21.531	ug/l	100
7) Trichlorofluoromethane	3.27	101	118990	19.150	ug/l	97
8) Diethyl Ether	3.71	74	36399	18.698	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	73293	19.432	ug/l	98
10) Methyl Iodide	4.30	142	66515	17.978	ug/l	100
11) Tert butyl alcohol	5.21	59	30930	83.228	ug/l #	82
12) 1,1-Dichloroethene	4.07	96	71443	19.272	ug/l	96
13) Acrolein	3.92	56	29130	91.068	ug/l	95
14) Allyl chloride	4.71	41	123085	16.656	ug/l	95
15) Acrylonitrile	5.43	53	80720	88.199	ug/l	99
16) Acetone	4.16	43	72499	87.228	ug/l	99
17) Carbon Disulfide	4.41	76	225215	18.475	ug/l	98
18) Methyl Acetate	4.71	43	35036	16.954	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	170379	18.956	ug/l	92
20) Methylene Chloride	4.97	84	83331	19.903	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	80330	18.929	ug/l	98
22) Diisopropyl ether	6.36	45	243779	17.739	ug/l	96
23) Vinyl Acetate	6.30	43	715040	86.146	ug/l #	94
24) 1,1-Dichloroethane	6.26	63	137183	18.222	ug/l	99
25) 2-Butanone	7.21	43	104198	84.518	ug/l	99
26) 2,2-Dichloropropane	7.21	77	129298	19.076	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	89847	19.512	ug/l	94
28) Bromochloromethane	7.55	49	54216	17.267	ug/l	89
29) Tetrahydrofuran	7.56	42	67565	85.028	ug/l	95
30) Chloroform	7.71	83	137574	18.990	ug/l	99
31) Cyclohexane	7.99	56	139272	17.879	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	127256	18.950	ug/l	99
36) 1,1-Dichloropropene	8.11	75	111228	19.203	ug/l	97
37) Ethyl Acetate	7.30	43	49087	17.600	ug/l	96
38) Carbon Tetrachloride	8.10	117	116322	20.255	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Wed May 06 17:01:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	143350	19.713	ug/l	91
40) Benzene	8.36	78	309183	19.545	ug/l	99
41) Methacrylonitrile	7.57	41	65364	40.631	ug/l #	20
42) 1,2-Dichloroethane	8.43	62	87094	19.133	ug/l	97
43) Isopropyl Acetate	8.46	43	99338	17.811	ug/l	98
44) Trichloroethene	9.11	130	93422	21.430	ug/l	100
45) 1,2-Dichloropropane	9.39	63	78939	19.296	ug/l	98
46) Dibromomethane	9.48	93	40853	19.909	ug/l	98
47) Bromodichloromethane	9.67	83	109080	19.878	ug/l	98
48) Methyl methacrylate	9.46	41	44600	15.971	ug/l	87
49) 1,4-Dioxane	9.47	88	10431	414.689	ug/l	89
51) 4-Methyl-2-Pentanone	10.23	43	240180	89.355	ug/l	99
52) Toluene	10.41	92	203465	20.339	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	109551	19.710	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	129640	19.798	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	57016	20.610	ug/l	94
56) Ethyl methacrylate	10.67	69	76506	19.154	ug/l	93
57) 1,3-Dichloropropane	10.95	76	99213	19.949	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	168671	91.984	ug/l	97
59) 2-Hexanone	10.99	43	168166	90.961	ug/l	100
60) Dibromochloromethane	11.14	129	74711	20.104	ug/l	99
61) 1,2-Dibromoethane	11.25	107	54962	19.746	ug/l	96
64) Tetrachloroethene	10.88	164	78652	21.104	ug/l	93
65) Chlorobenzene	11.67	112	215920	20.464	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	82759	21.037	ug/l	99
67) Ethyl Benzene	11.75	91	392121	19.921	ug/l	98
68) m/p-Xylenes	11.86	106	299460	40.809	ug/l	96
69) o-Xylene	12.18	106	139097	20.314	ug/l	96
70) Styrene	12.20	104	237097	20.140	ug/l	98
71) Bromoform	12.37	173	46242	20.891	ug/l #	99
73) Isopropylbenzene	12.48	105	377510	19.486	ug/l	100
74) N-amyl acetate	12.30	43	93336	16.876	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	61109	18.810	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	79765	36.935	ug/l #	100
77) Bromobenzene	12.77	156	92879	20.907	ug/l	91
78) n-propylbenzene	12.83	91	443960	19.462	ug/l	99
79) 2-Chlorotoluene	12.91	91	246957	19.161	ug/l	95
80) 1,3,5-Trimethylbenzene	12.97	105	313081	19.683	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	22737	18.637	ug/l	90
82) 4-Chlorotoluene	13.01	91	257804	19.115	ug/l	98
83) tert-Butylbenzene	13.23	119	276140	20.396	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	309746	19.550	ug/l	99
85) sec-Butylbenzene	13.41	105	375860	19.791	ug/l	98
86) p-Isopropyltoluene	13.53	119	350515	20.254	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	172472	20.655	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	169668	20.595	ug/l	98
89) n-Butylbenzene	13.85	91	322211	19.216	ug/l	99
90) Hexachloroethane	14.12	117	67139	19.478	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	148872	20.662	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9940	18.203	ug/l	92

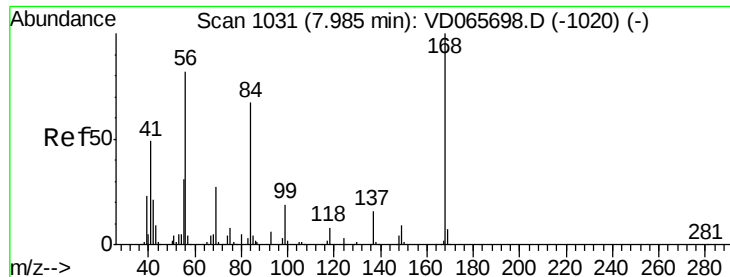
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	112472	20.805	ug/l	99
94) Hexachlorobutadiene	15.28	225	67597	21.576	ug/l	98
95) Naphthalene	15.41	128	182985	19.256	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	94764	20.608	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

Instrument :

MSVOA_D

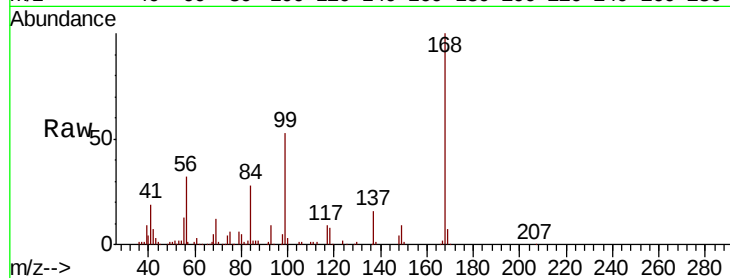
ClientSampleId :

Tot Ion:168 Resp: 388642

Ion Ratio Lower Upper

168 100

99 52.3 44.2 66.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

200000

150000

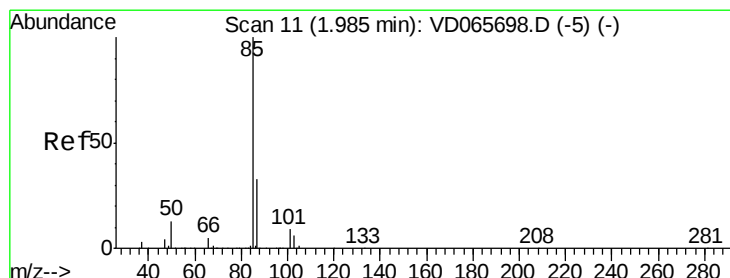
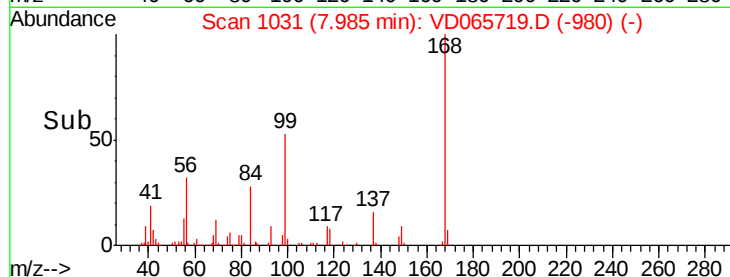
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 16.984 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065719.D

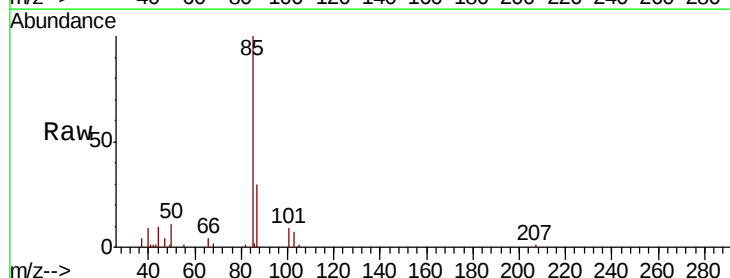
Acq: 08 May 2020 12:28

Tgt Ion: 85 Resp: 51773

Ion Ratio Lower Upper

85 100

87 30.3 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

40000

30000

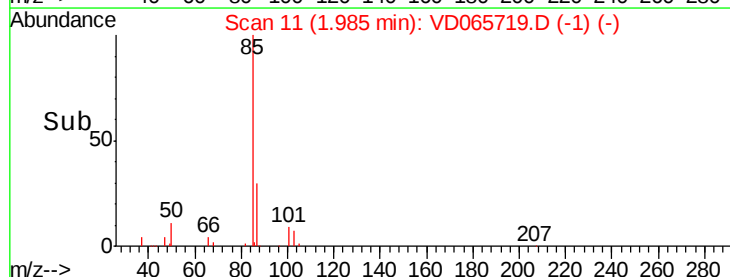
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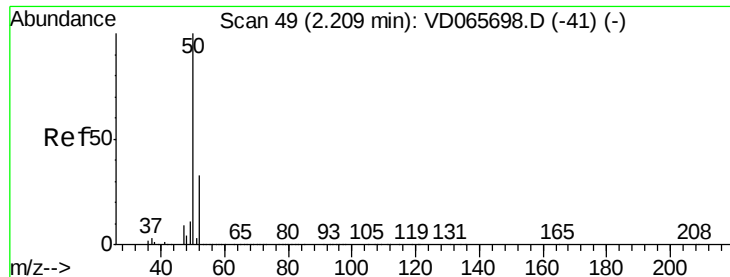
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.971 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

Instrument :

MSVOA_D

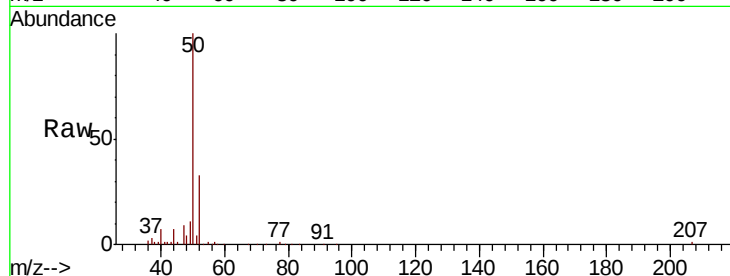
ClientSampleId :

Tot Ion: 50 Resp: 76775

Ion Ratio Lower Upper

50 100

52 32.8 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

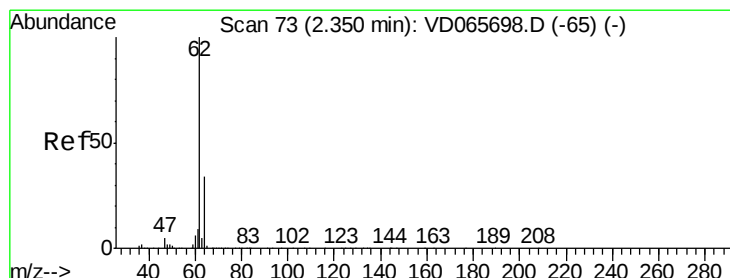
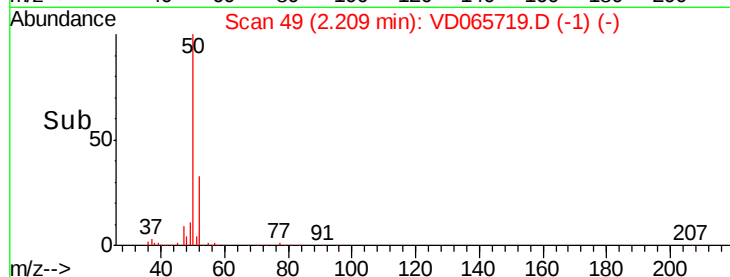
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 21.114 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065719.D

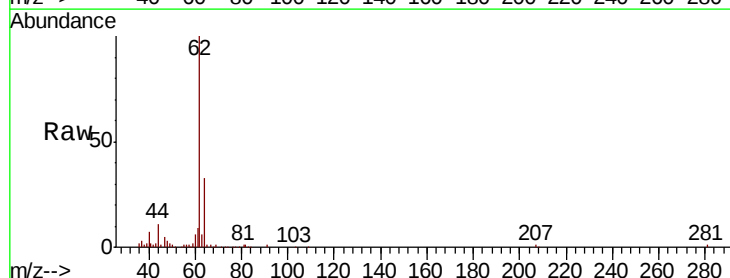
Acq: 08 May 2020 12:28

Tgt Ion: 62 Resp: 82244

Ion Ratio Lower Upper

62 100

64 33.1 27.2 40.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

60000

50000

40000

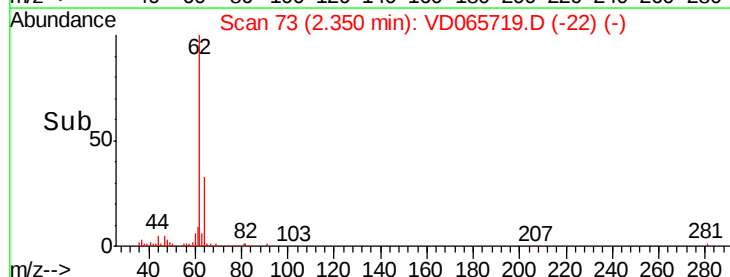
30000

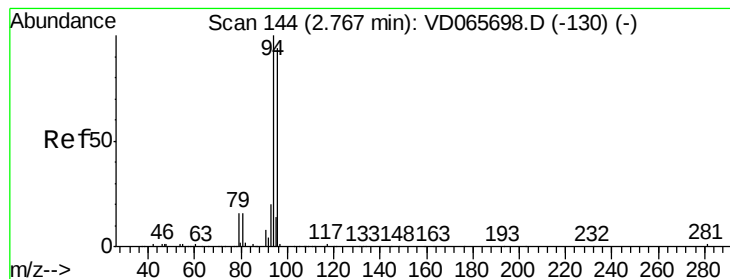
20000

10000

0

Time-->





#5

Bromomethane

Concen: 23.440 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

Instrument :

MSVOA_D

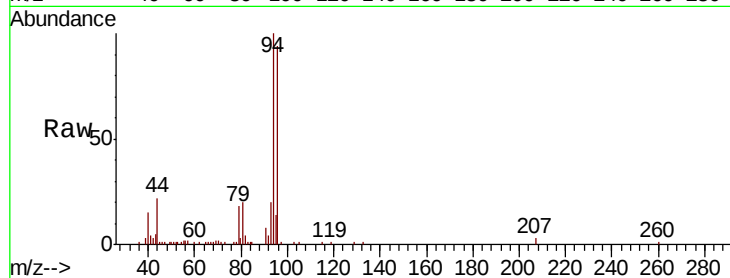
ClientSampleId :

Tot Ion: 94 Resp: 57624

Ion Ratio Lower Upper

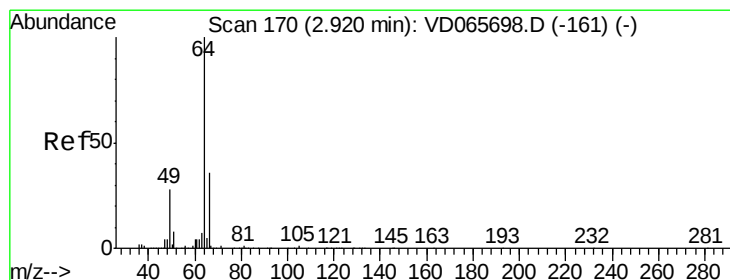
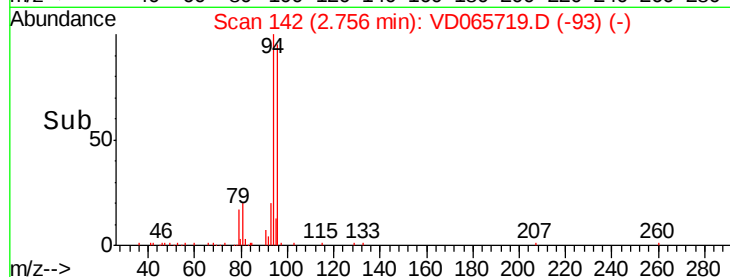
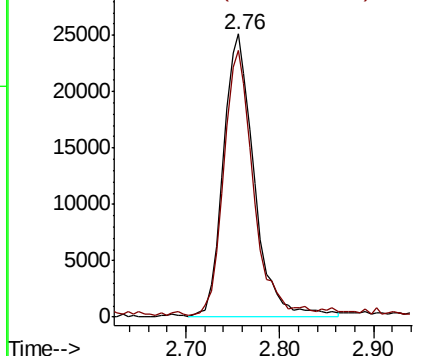
94 100

96 93.6 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.531 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065719.D

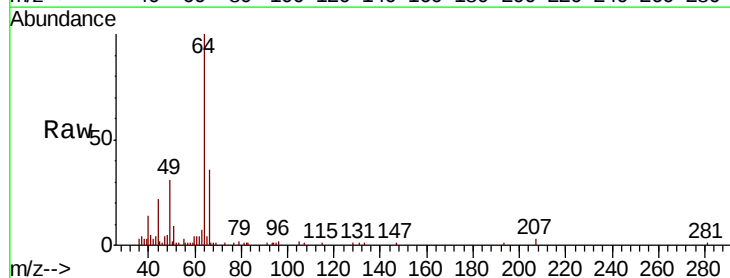
Acq: 08 May 2020 12:28

Tgt Ion: 64 Resp: 53873

Ion Ratio Lower Upper

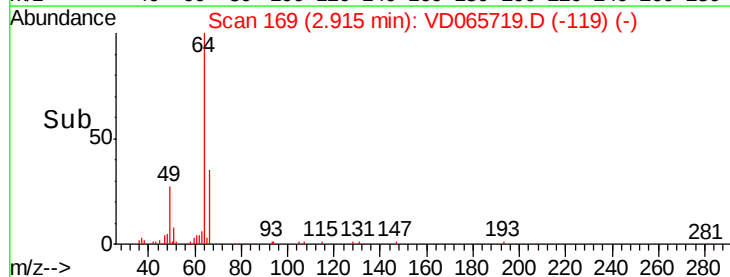
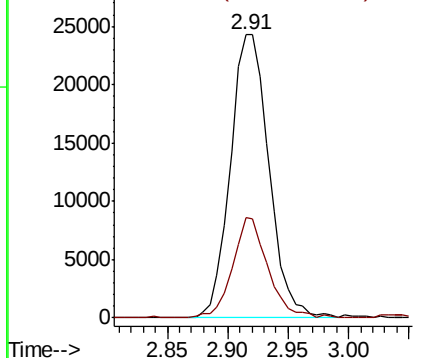
64 100

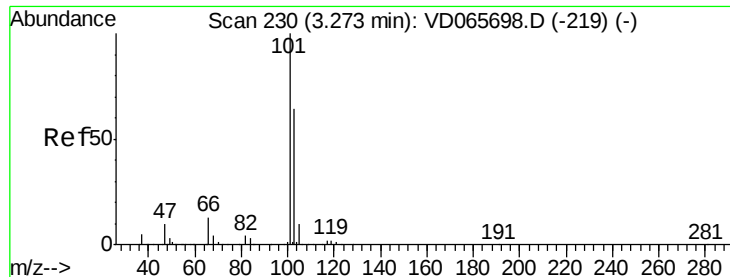
66 35.6 28.5 42.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



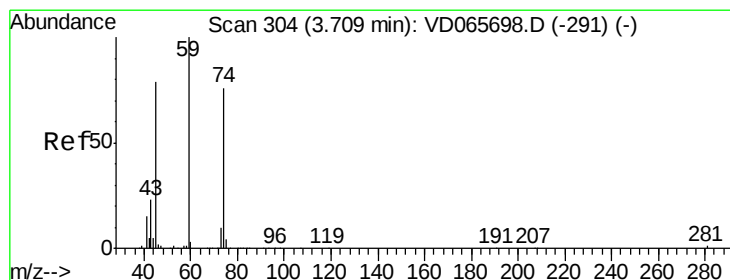
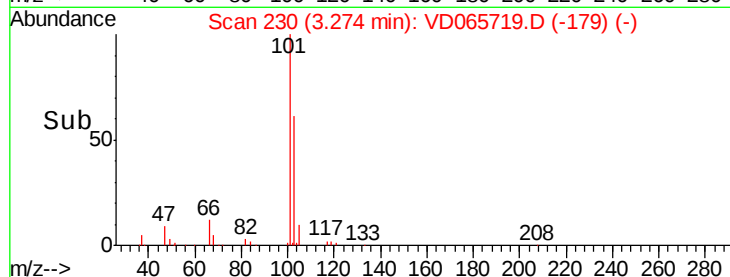
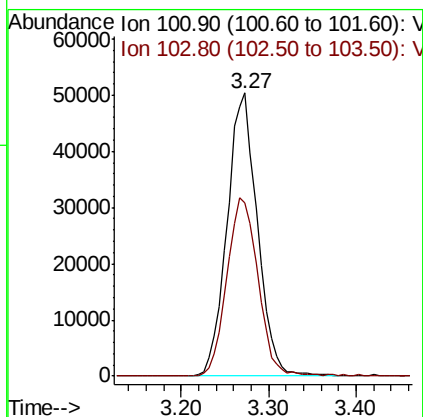
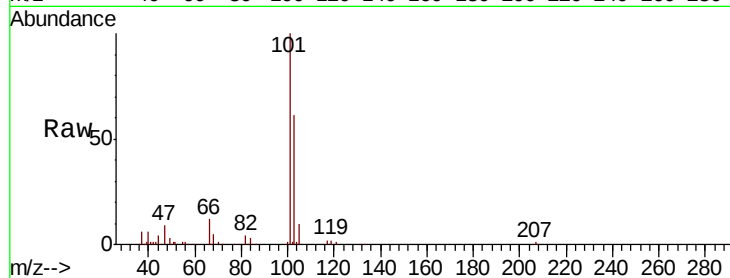


#7

Trichlorofluoromethane
Concen: 19.150 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

Instrument :
MSVOA_D
ClientSampled :

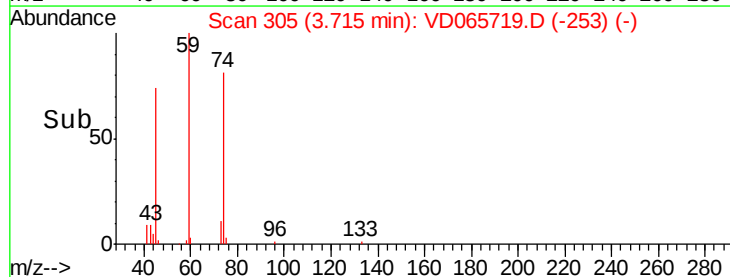
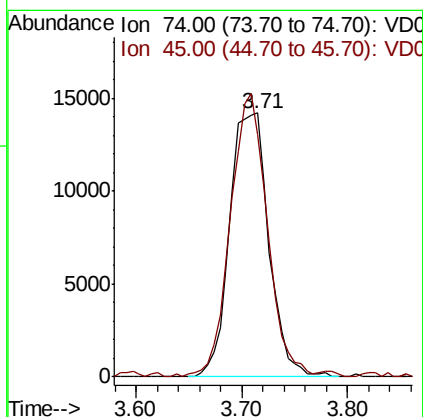
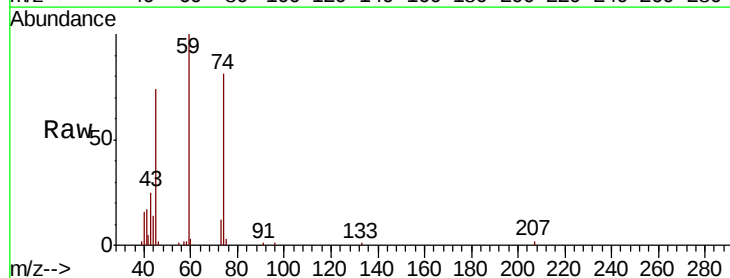
Tot Ion:101 Resp: 118990
Ion Ratio Lower Upper
101 100
103 61.3 51.1 76.7

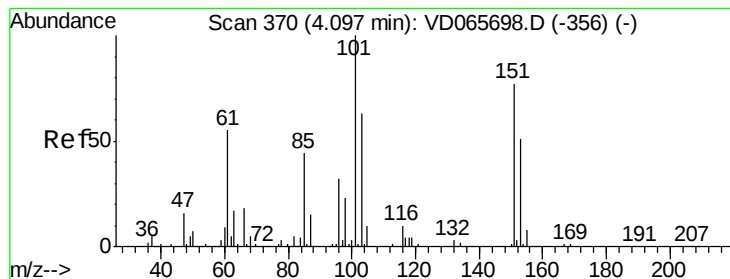


#8

Diethyl Ether
Concen: 18.698 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

Tgt Ion: 74 Resp: 36399
Ion Ratio Lower Upper
74 100
45 101.6 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.432 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

Instrument :

MSVOA_D

ClientSampled :

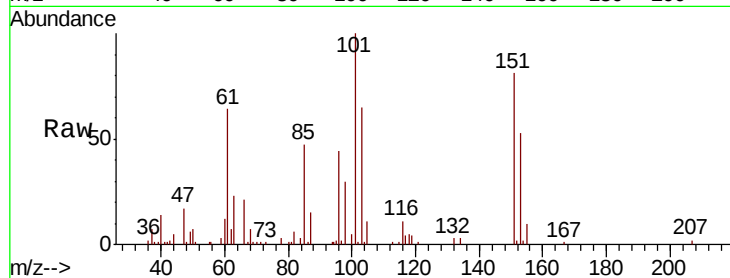
Tot Ion:101 Resp: 73293

Ion Ratio Lower Upper

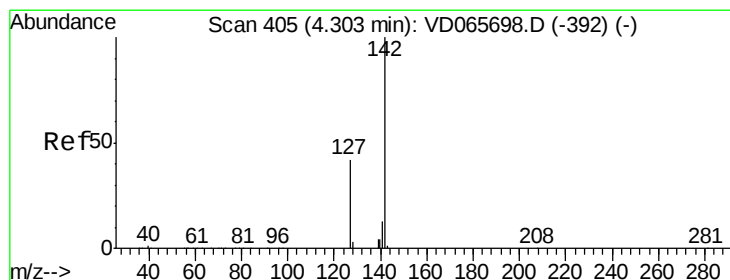
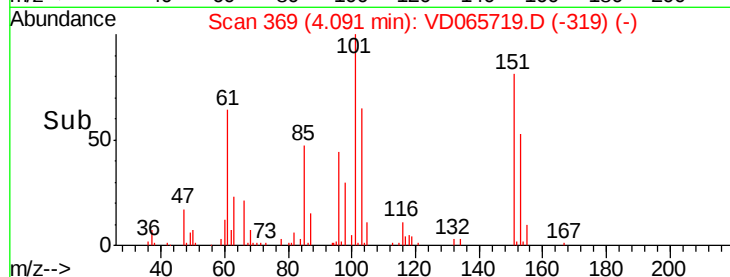
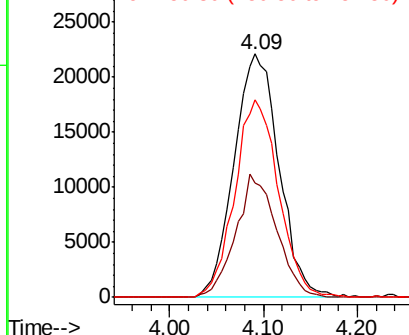
101 100

85 45.9 34.4 51.6

151 79.2 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: 17.978 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

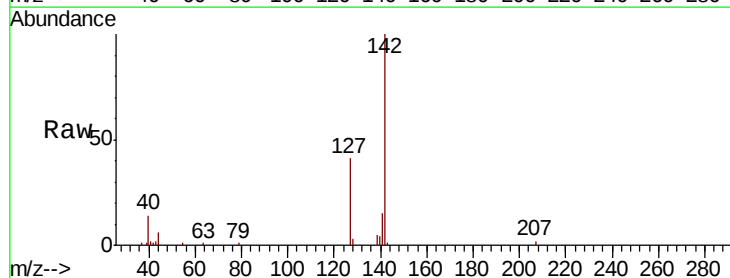
Tgt Ion:142 Resp: 66515

Ion Ratio Lower Upper

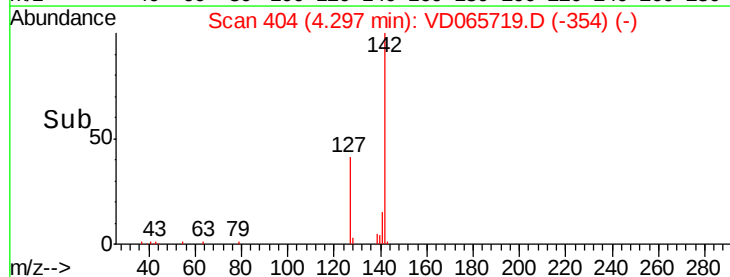
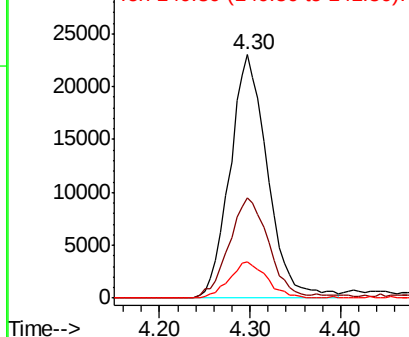
142 100

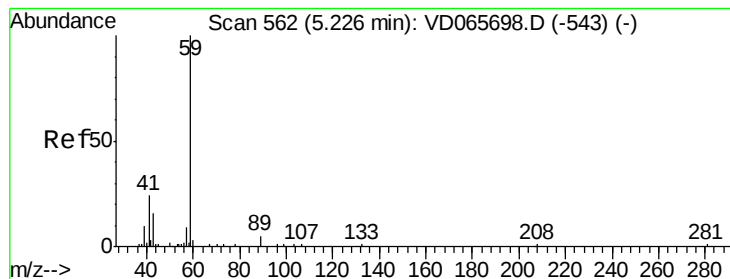
127 43.2 34.5 51.7

141 14.8 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: 83.228 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

Instrument :

MSVOA_D

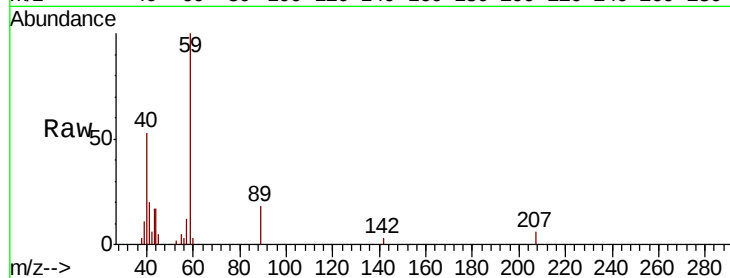
ClientSampleId :

Tot Ion: 59 Resp: 30930

Ion Ratio Lower Upper

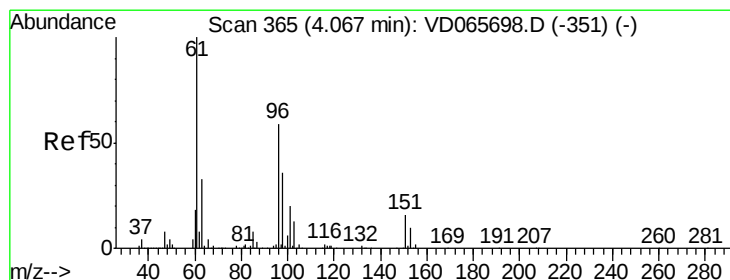
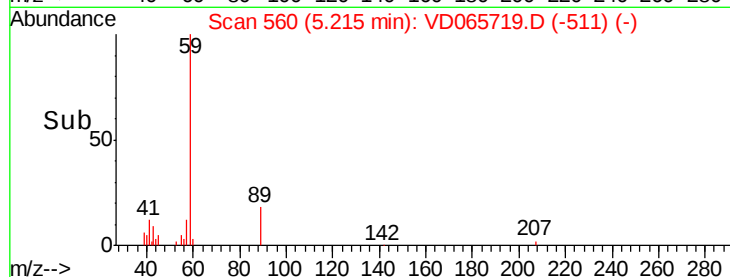
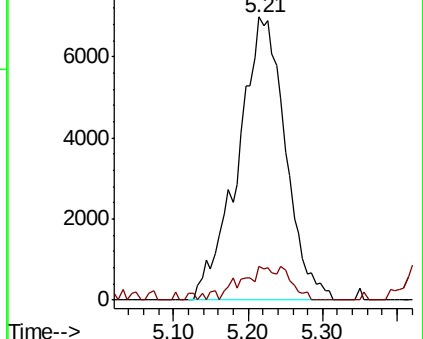
59 100

57 4.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 19.272 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.00 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

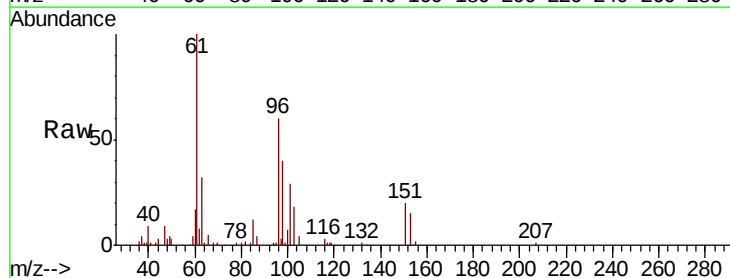
Tgt Ion: 96 Resp: 71443

Ion Ratio Lower Upper

96 100

61 165.7 136.0 204.0

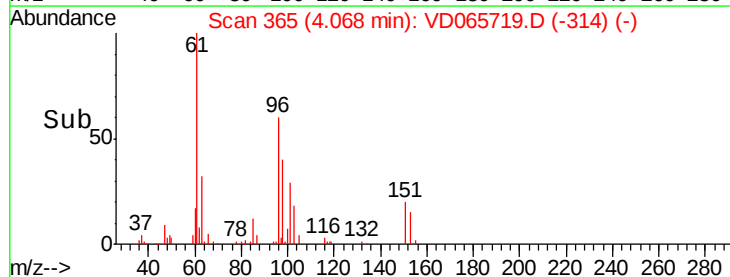
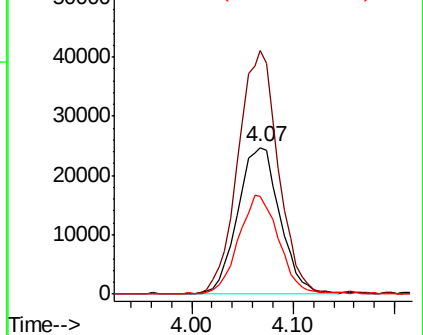
98 66.0 49.7 74.5

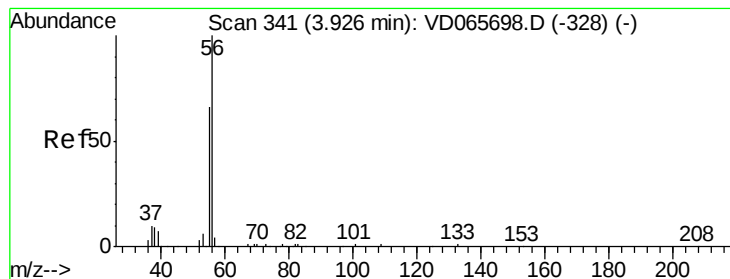


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 91.068 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

Instrument :

MSVOA_D

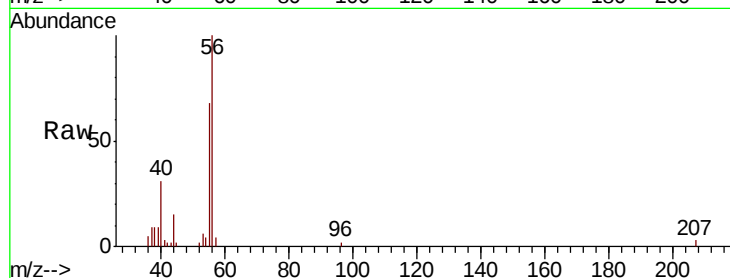
ClientSampleId :

Tot Ion: 56 Resp: 29130

Ion Ratio Lower Upper

56 100

55 75.0 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

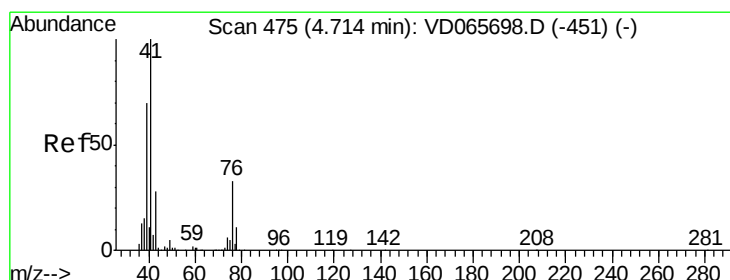
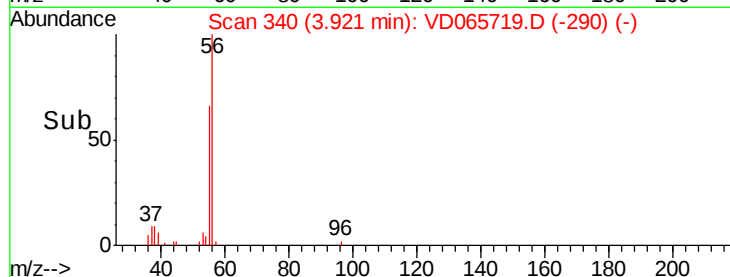
4000

2000

0

3.80 3.90 4.00

Time-->



#14

Allyl chloride

Concen: 16.656 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

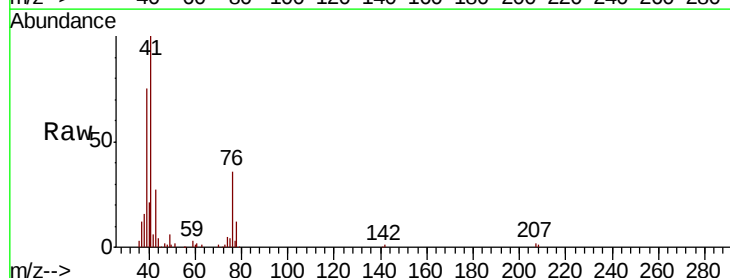
Tgt Ion: 41 Resp: 123085

Ion Ratio Lower Upper

41 100

39 72.4 55.6 83.4

76 35.8 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

50000

40000

30000

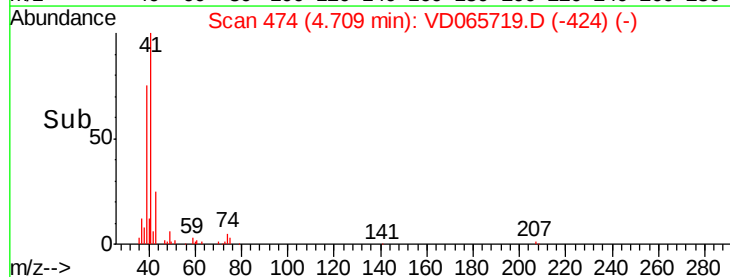
20000

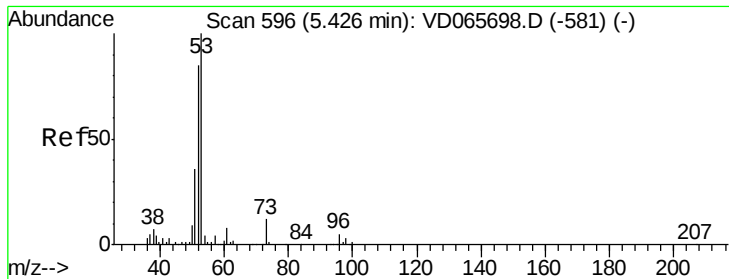
10000

0

4.50 4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 88.199 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

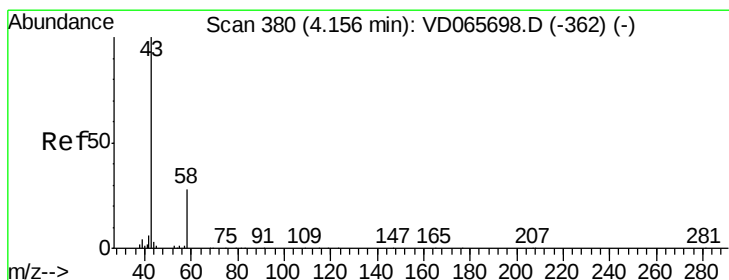
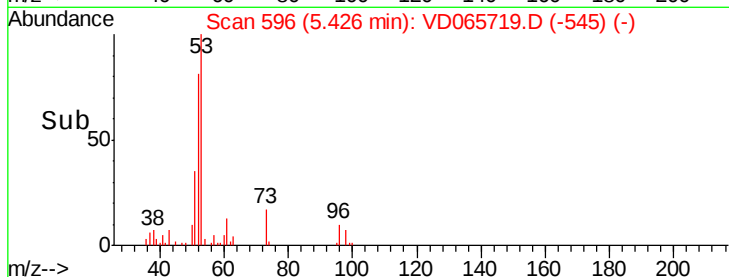
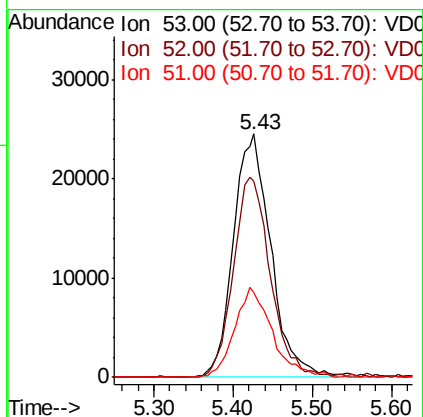
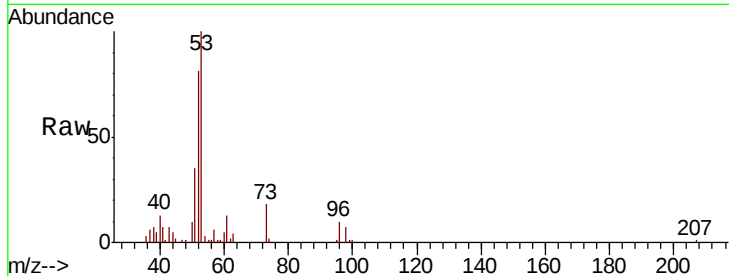
Tot Ion: 53 Resp: 80720

Ion Ratio Lower Upper

53 100

52 81.0 66.2 99.2

51 37.1 29.9 44.9



#16

Acetone

Concen: 87.228 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065719.D

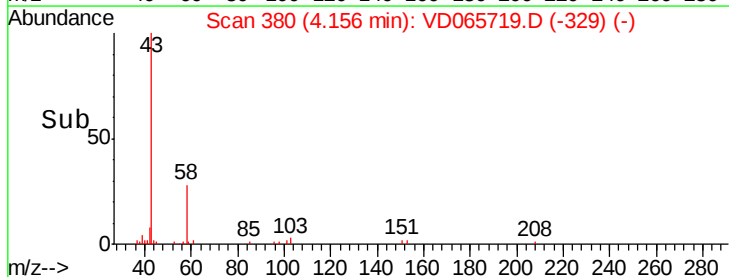
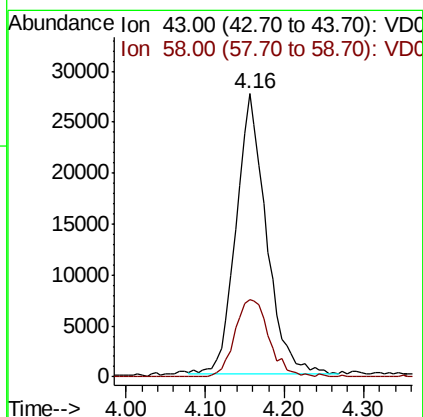
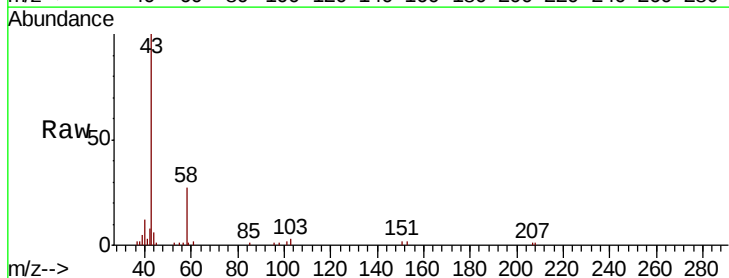
Acq: 08 May 2020 12:28

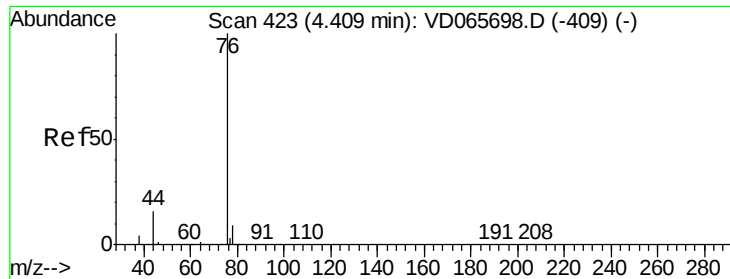
Tgt Ion: 43 Resp: 72499

Ion Ratio Lower Upper

43 100

58 27.7 22.5 33.7

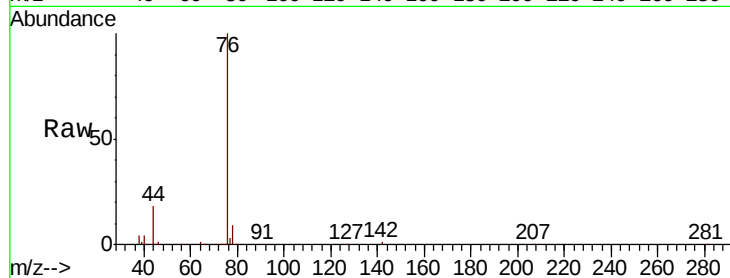




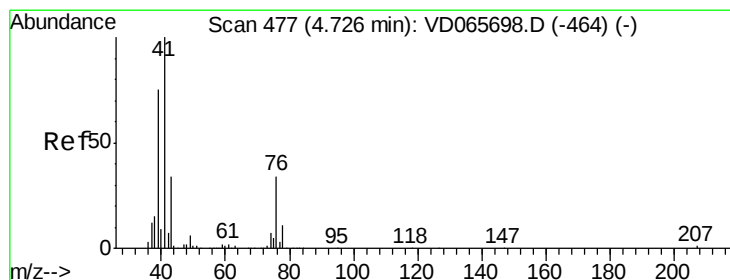
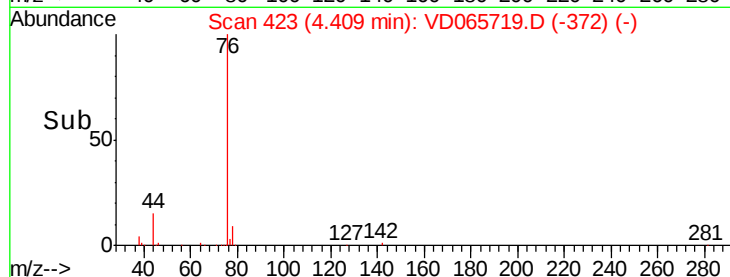
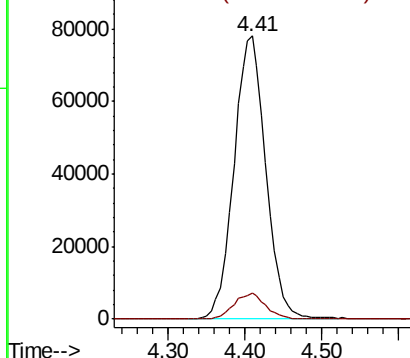
#17
Carbon Disulfide
Concen: 18.475 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 225215
Ion Ratio Lower Upper
76 100
78 9.3 6.8 10.2

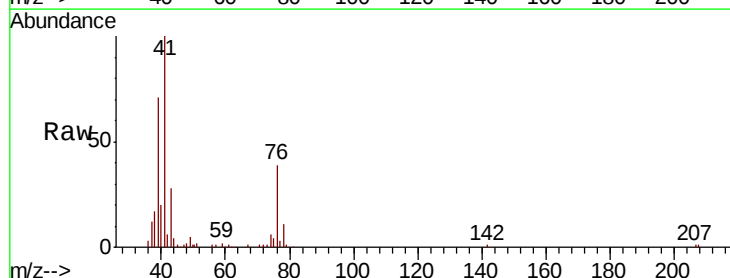


Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC

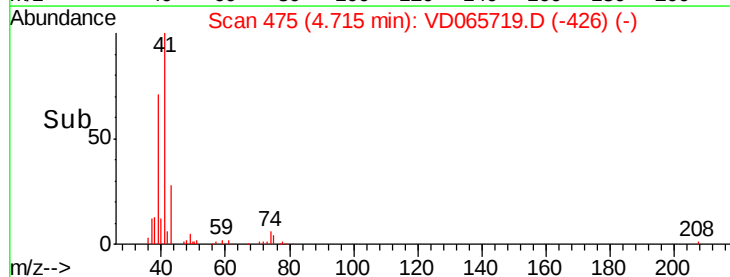
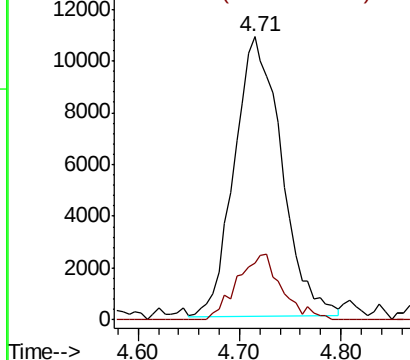


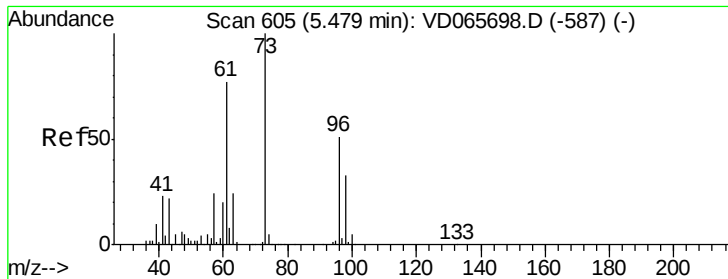
#18
Methyl Acetate
Concen: 16.954 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

Tgt Ion: 43 Resp: 35036
Ion Ratio Lower Upper
43 100
74 22.2 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC

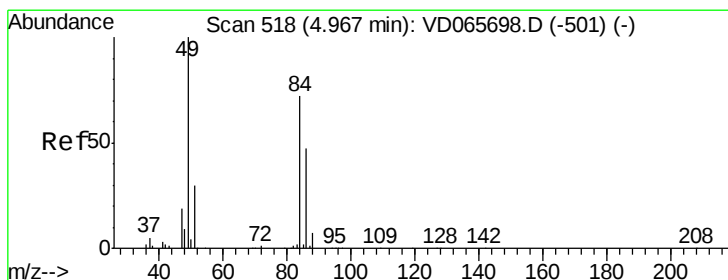
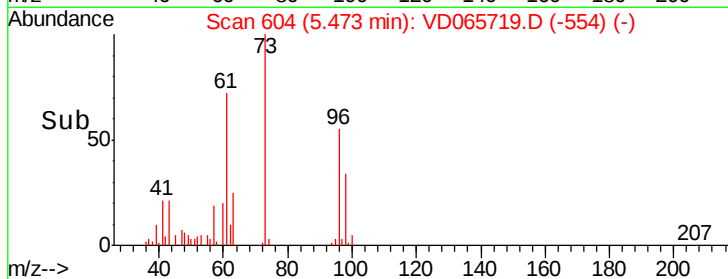
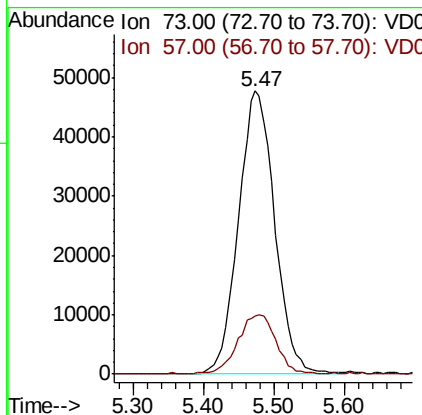
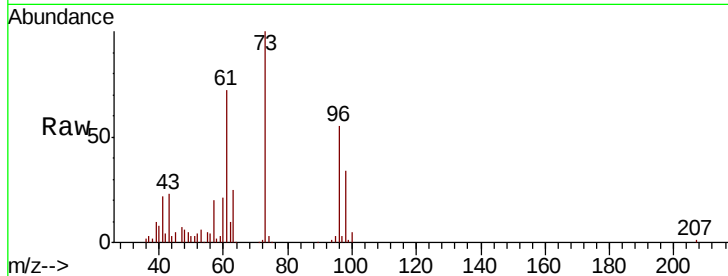




#19
Methyl tert-butyl Ether
Concen: 18.956 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

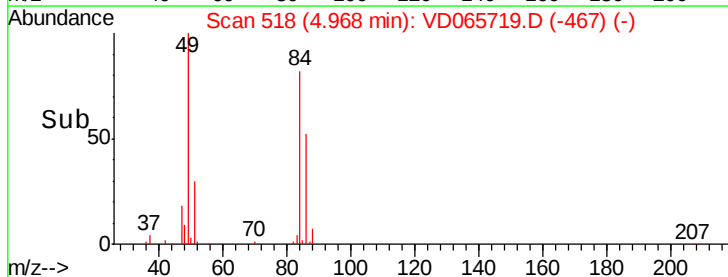
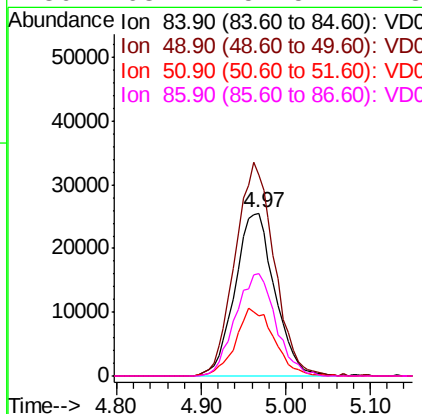
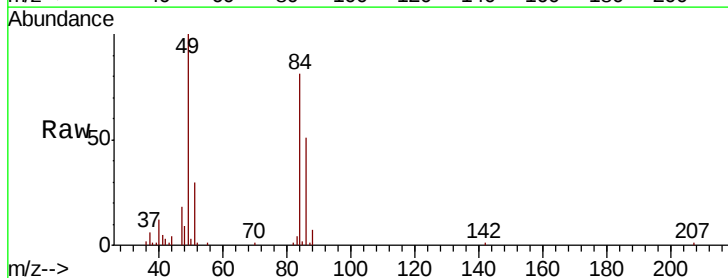
Instrument :
MSVOA_D
ClientSampled :

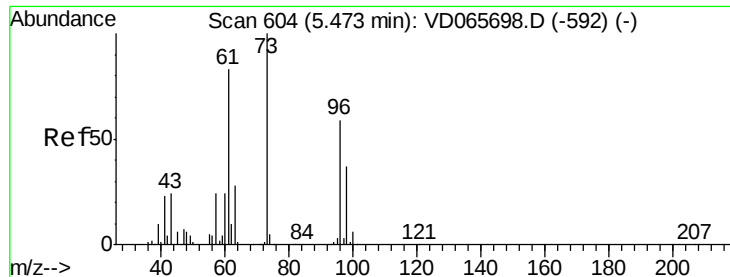
Tot Ion: 73 Resp: 170379
Ion Ratio Lower Upper
73 100
57 20.3 19.4 29.0



#20
Methylene Chloride
Concen: 19.903 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

Tgt Ion: 84 Resp: 83331
Ion Ratio Lower Upper
84 100
49 123.5 110.4 165.6
51 37.1 33.4 50.2
86 63.1 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 18.929 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

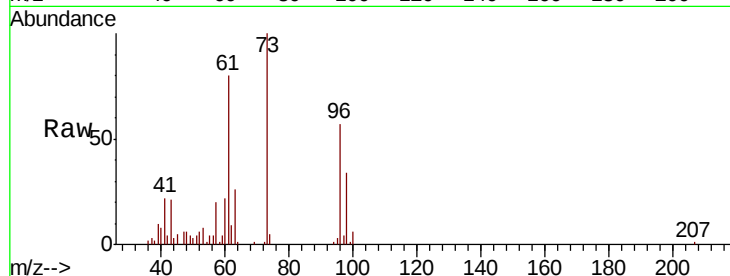
Tot Ion: 96 Resp: 80330

Ion Ratio Lower Upper

96 100

61 140.1 113.0 169.4

98 59.3 49.5 74.3

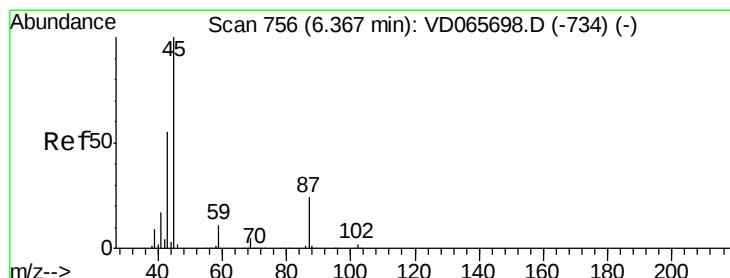
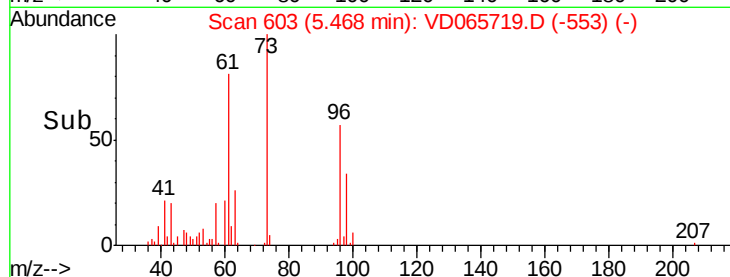
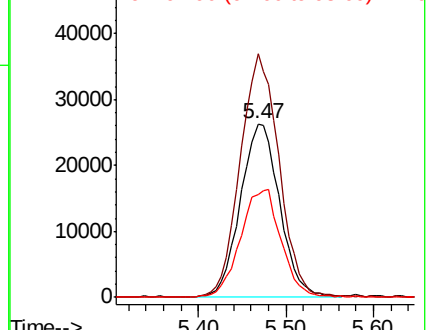


Abundance

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: 17.739 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

Tgt Ion: 45 Resp: 243779

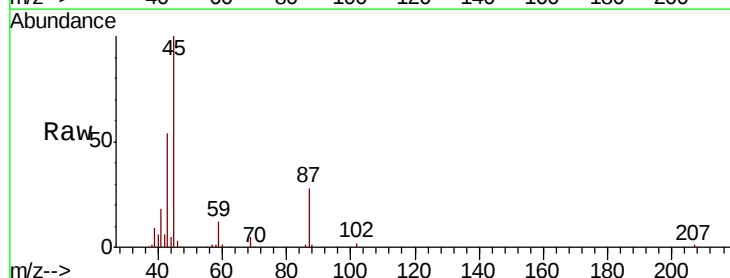
Ion Ratio Lower Upper

45 100

43 53.2 44.2 66.4

87 27.6 19.0 28.4

59 11.7 8.6 13.0



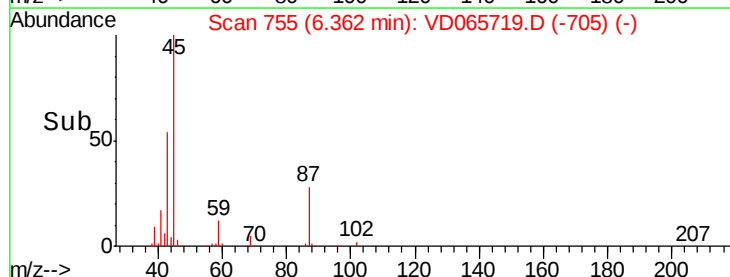
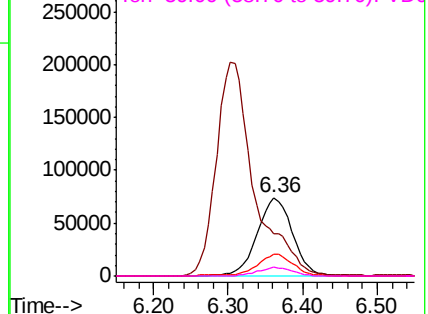
Abundance

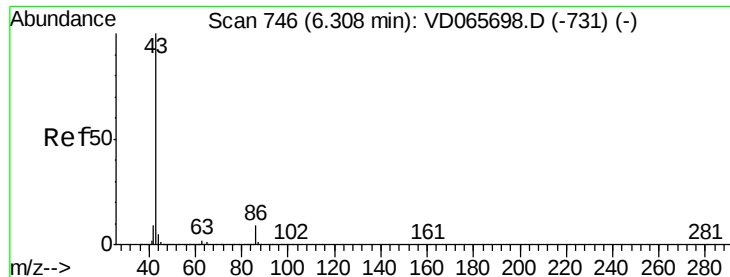
Ion 45.00 (44.70 to 45.70): VDC

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: 86.146 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

Instrument :

MSVOA_D

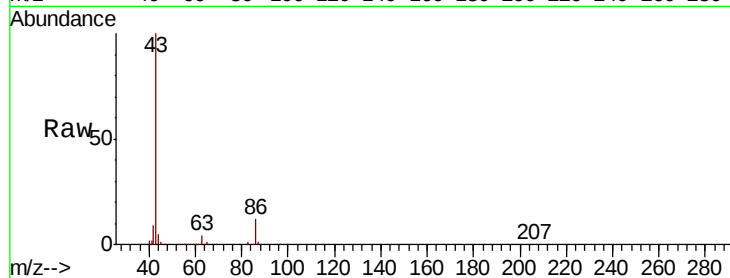
ClientSampleId :

Tot Ion: 43 Resp: 715040

Ion Ratio Lower Upper

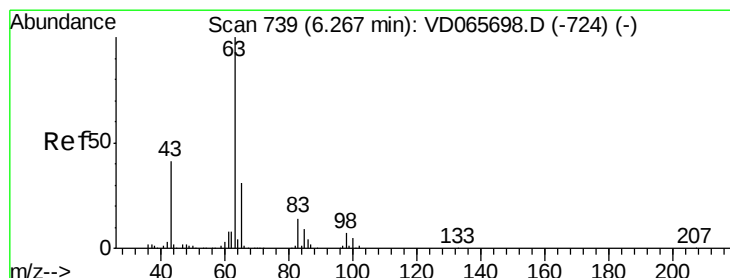
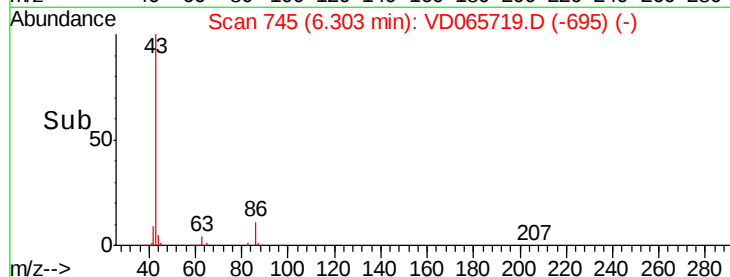
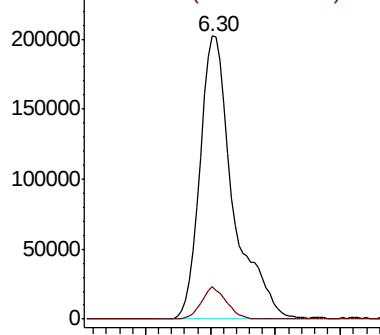
43 100

86 11.5 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: 18.222 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

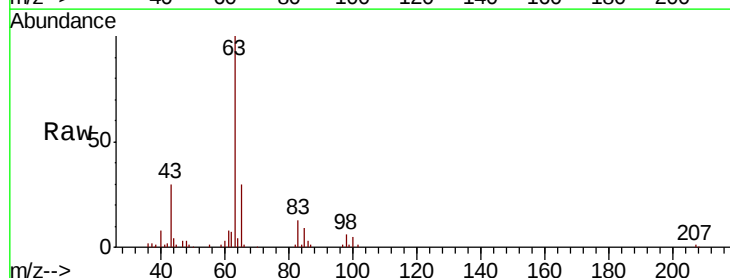
Tgt Ion: 63 Resp: 137183

Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.2

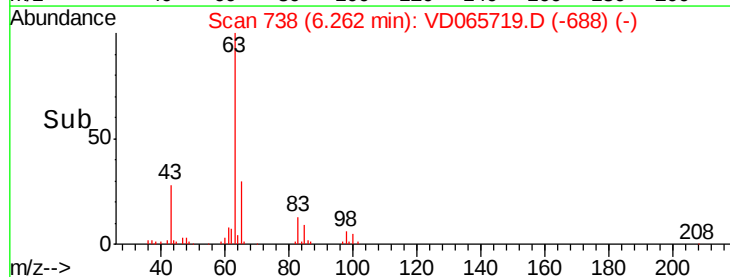
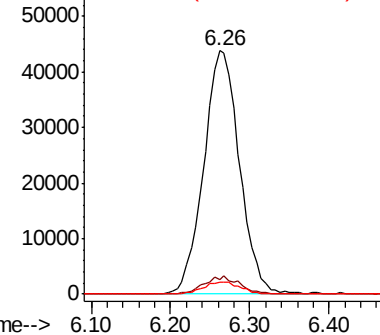
100 4.7 2.3 6.9

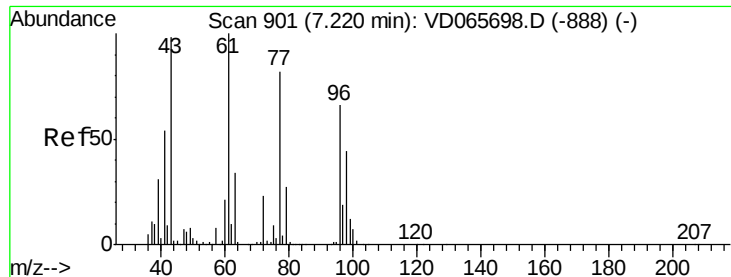


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 84.518 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

Instrument :

MSVOA_D

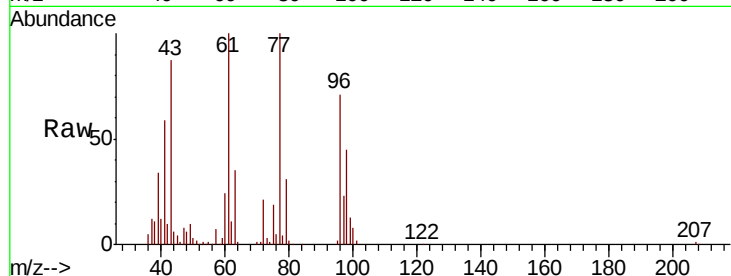
ClientSampled :

Tot Ion: 43 Resp: 104198

Ion Ratio Lower Upper

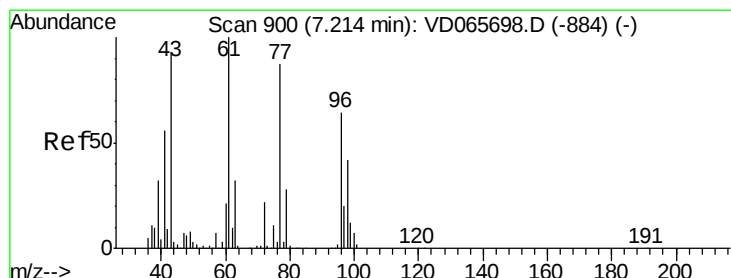
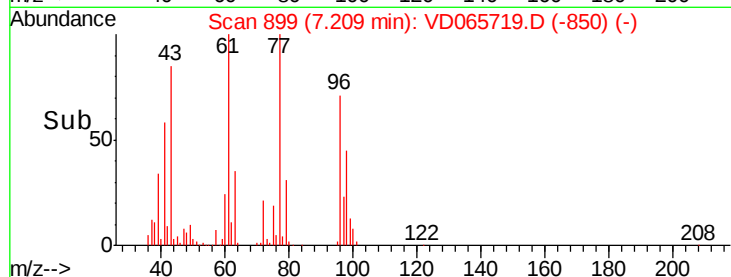
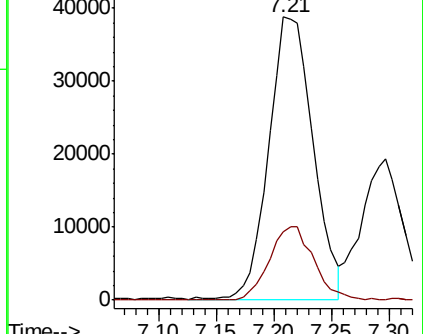
43 100

72 24.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.076 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065719.D

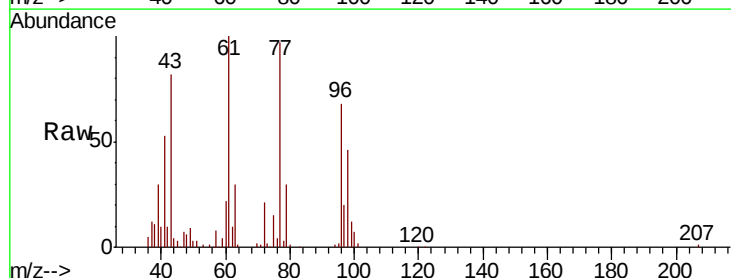
Acq: 08 May 2020 12:28

Tgt Ion: 77 Resp: 129298

Ion Ratio Lower Upper

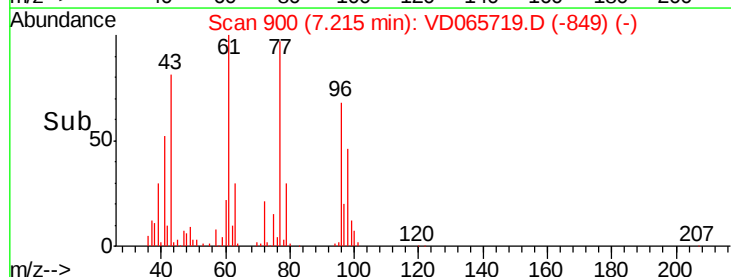
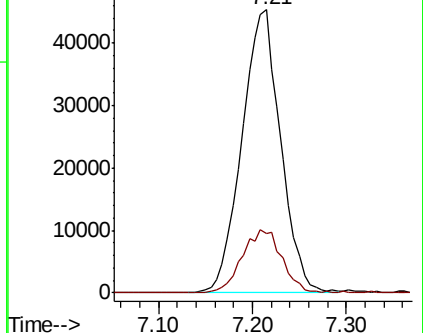
77 100

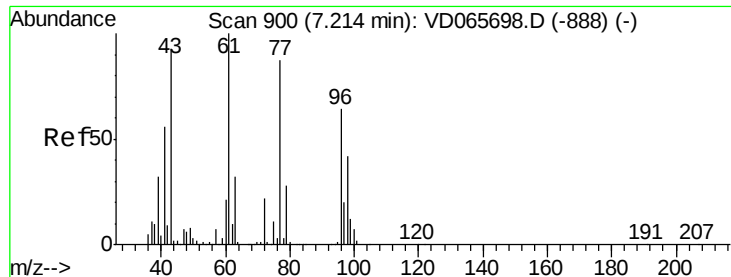
97 22.8 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



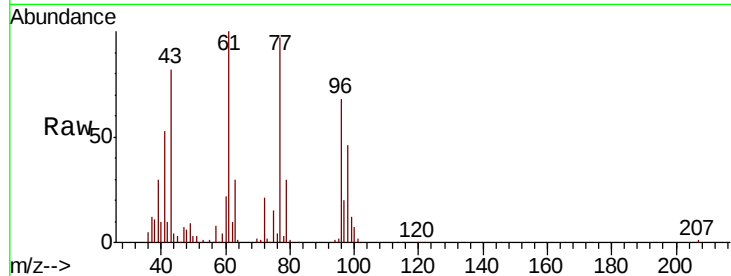


#27

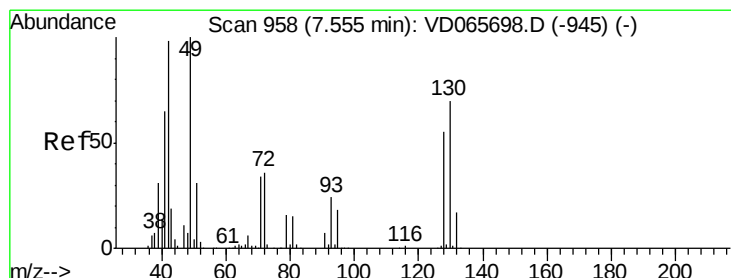
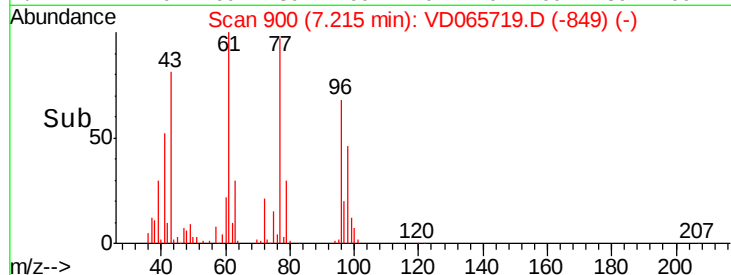
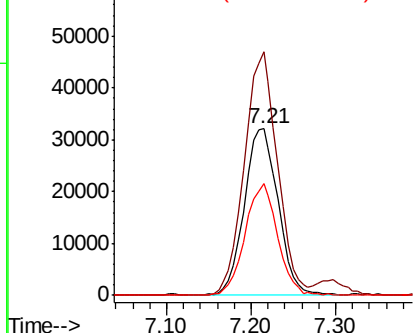
cis-1,2-Dichloroethene
 Concen: 19.512 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065719.D
 Acq: 08 May 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	96	Resp	89847
Ion	Ratio	Lower	Upper
96	100		
61	142.5	0.0	306.6
98	64.2	0.0	129.4



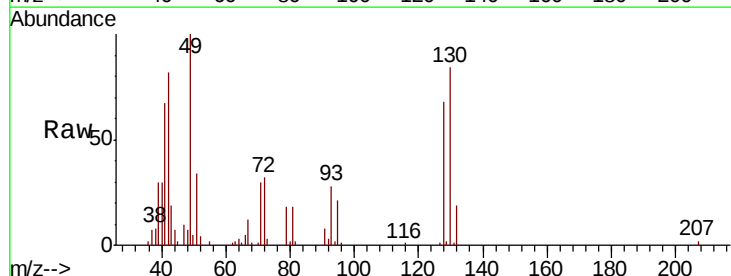
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



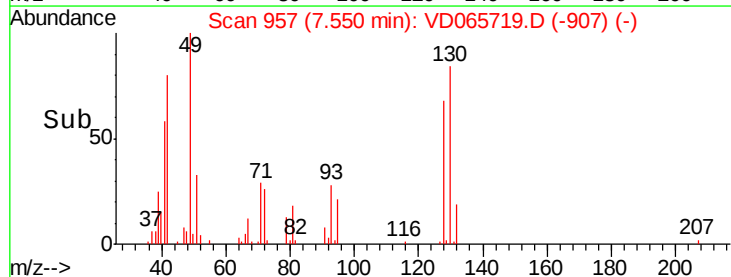
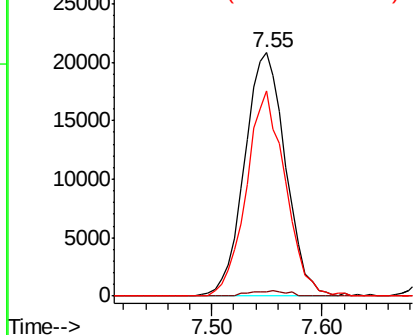
#28

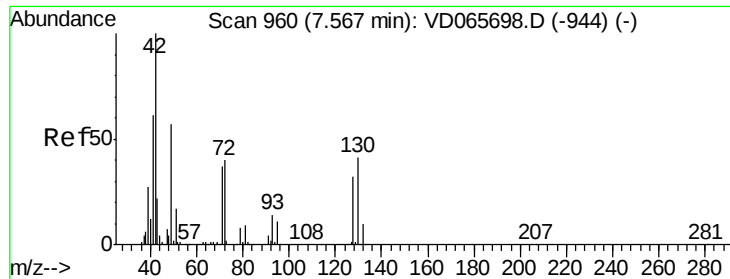
Bromochloromethane
 Concen: 17.267 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD065719.D
 Acq: 08 May 2020 12:28

Tgt Ion	49	Resp	54216
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	80.2	56.4	84.6



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

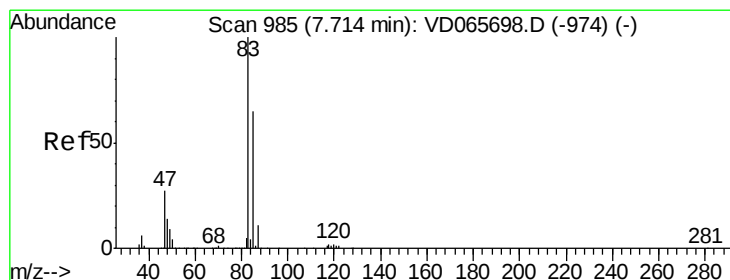
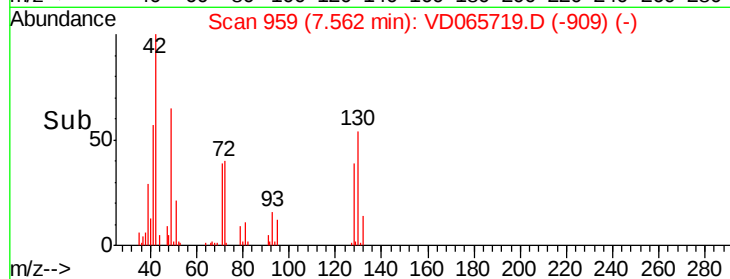
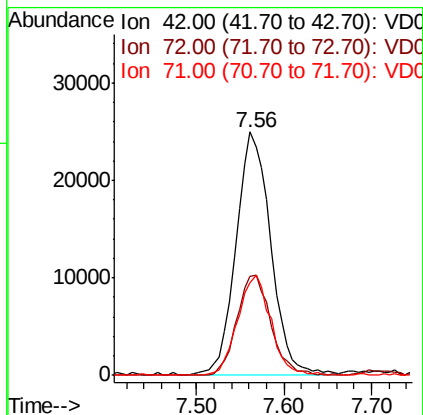
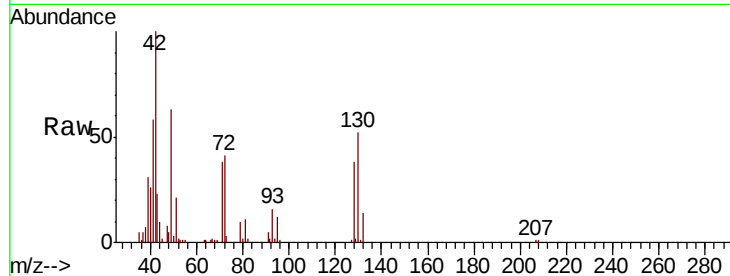




#29
Tetrahydrofuran
Concen: 85.028 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

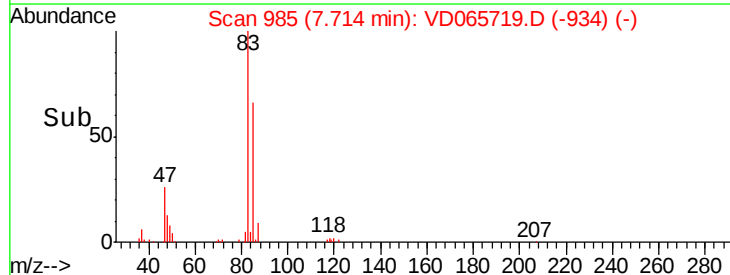
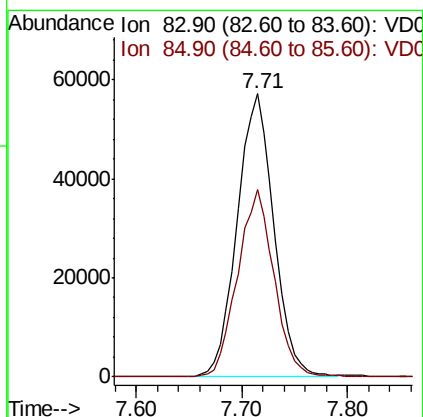
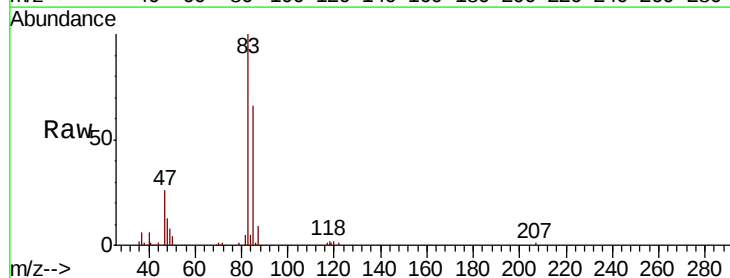
Instrument :
MSVOA_D
ClientSampleId :

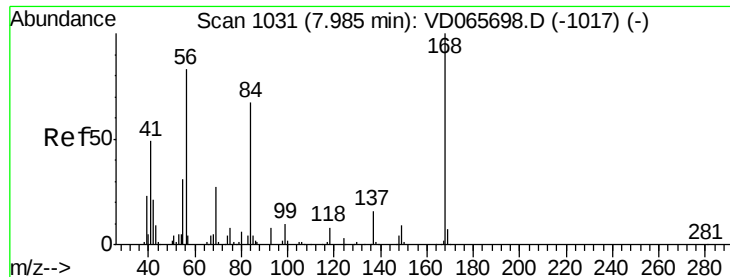
Tot Ion: 42 Resp: 67565
Ion Ratio Lower Upper
42 100
72 39.8 30.4 45.6
71 39.0 28.0 42.0



#30
Chloroform
Concen: 18.990 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

Tgt Ion: 83 Resp: 137574
Ion Ratio Lower Upper
83 100
85 66.1 52.1 78.1

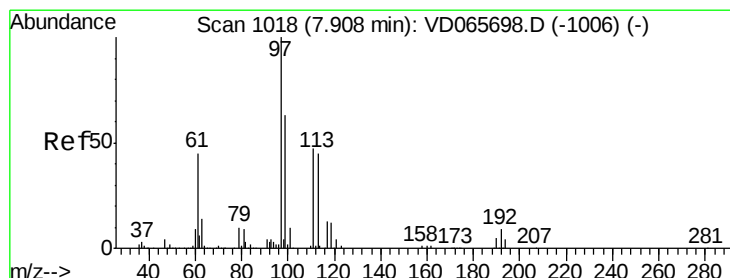
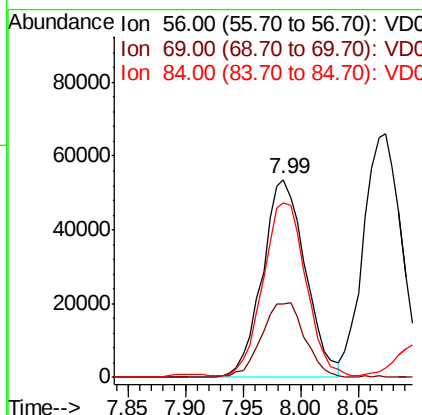
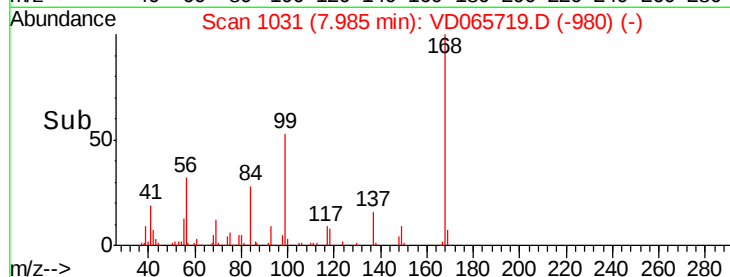
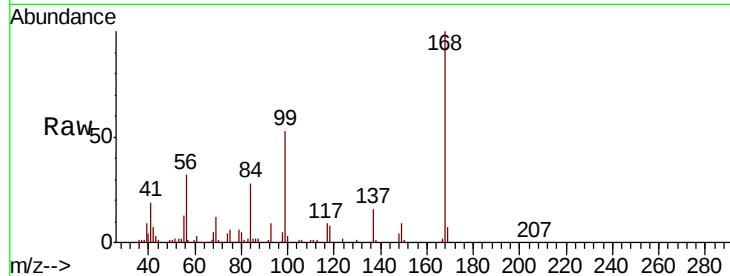




#31
Cyclohexane
Concen: 17.879 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

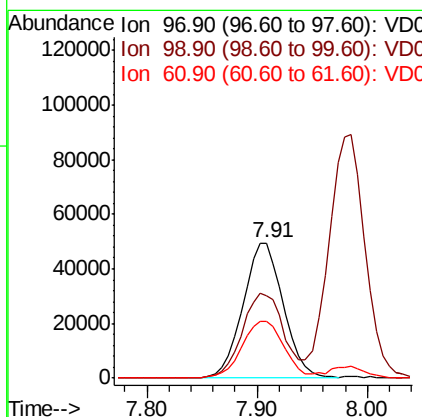
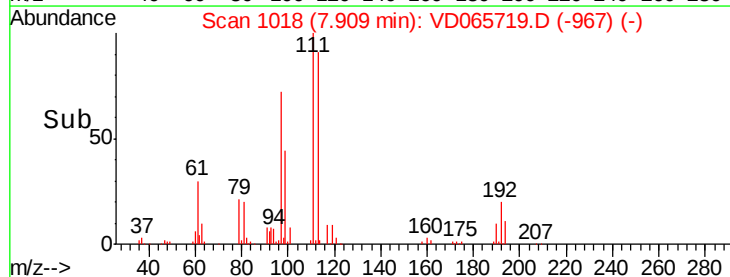
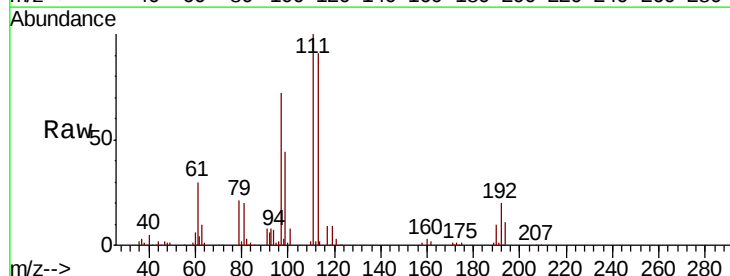
Instrument :
MSVOA_D
ClientSampled :

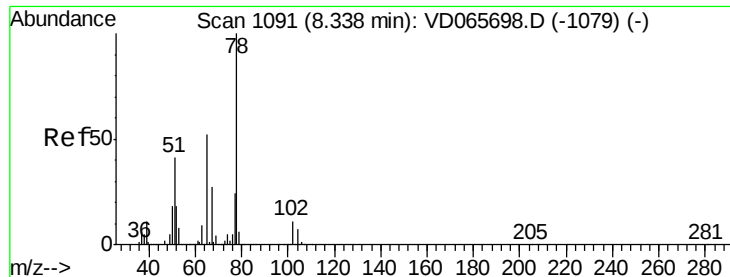
Tot Ion: 56 Resp: 139272
Ion Ratio Lower Upper
56 100
69 36.8 26.3 39.5
84 86.8 64.5 96.7



#32
1,1,1-Trichloroethane
Concen: 18.950 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

Tgt Ion: 97 Resp: 127256
Ion Ratio Lower Upper
97 100
99 63.6 50.8 76.2
61 43.7 36.0 54.0





#33

1,2-Dichloroethane-d4

Concen: 46.199 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

Instrument :

MSVOA_D

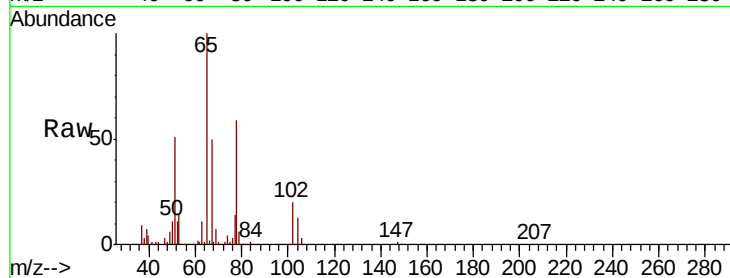
ClientSampleId :

Tot Ion: 65 Resp: 179849

Ion Ratio Lower Upper

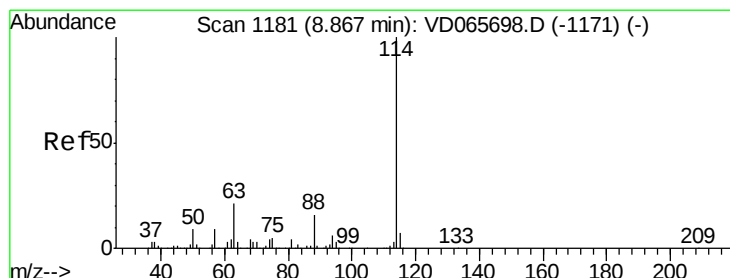
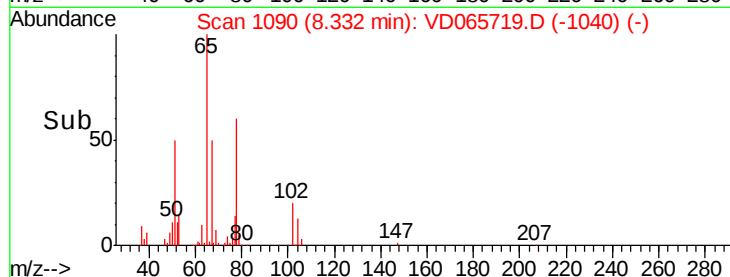
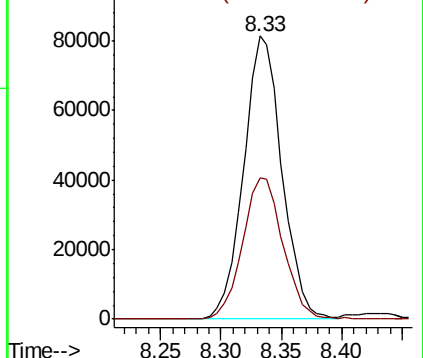
65 100

67 52.7 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: VD065719.D

Acq: 08 May 2020 12:28

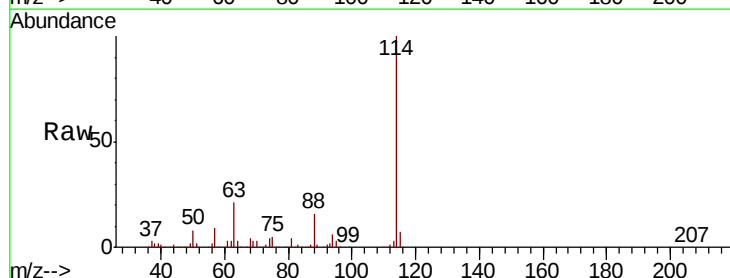
Tgt Ion: 114 Resp: 583237

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.4

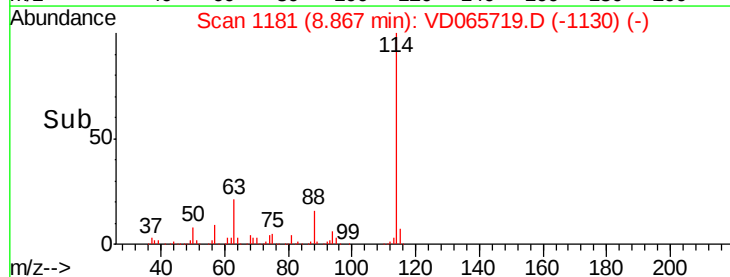
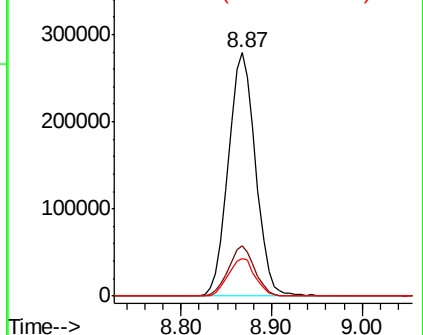
88 15.6 0.0 32.6

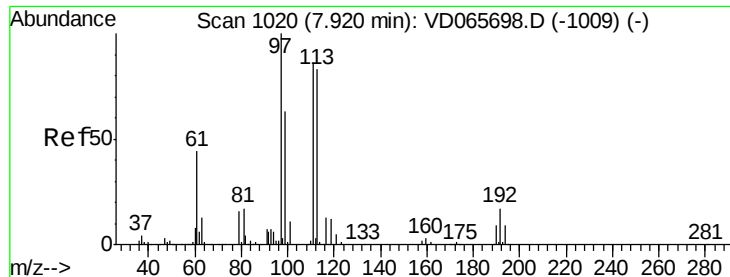


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

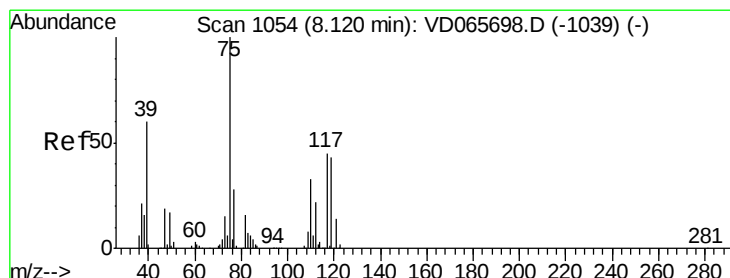
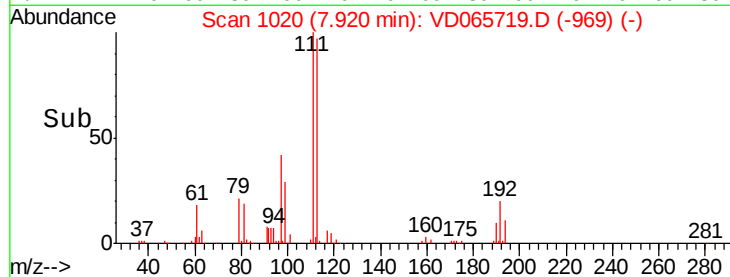
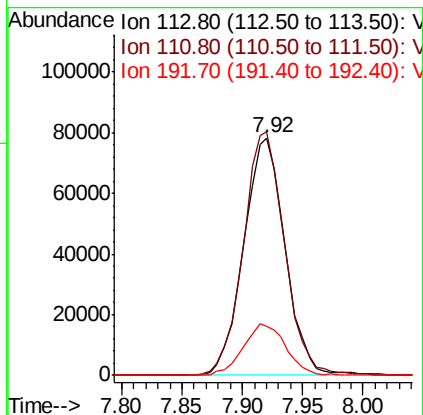
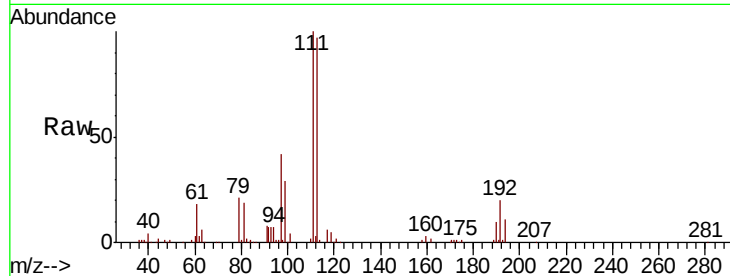




#35
 Dibromofluoromethane
 Concen: 51.096 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065719.D
 Acq: 08 May 2020 12:28

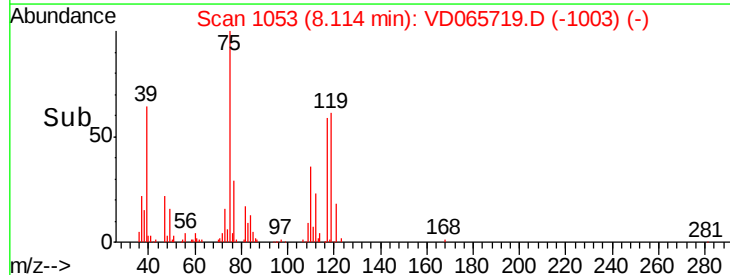
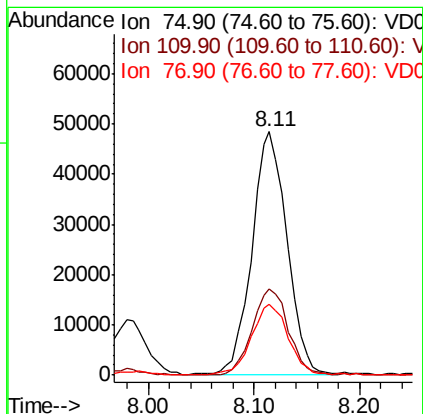
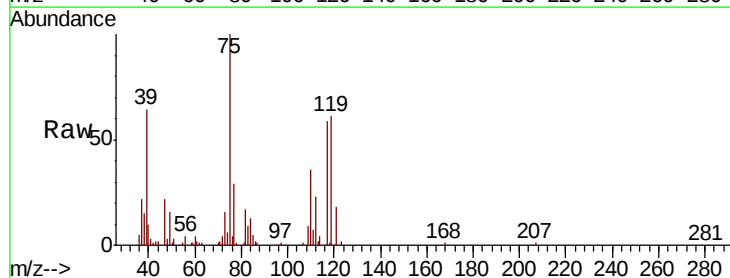
Instrument :
 MSVOA_D
 ClientSampleId :

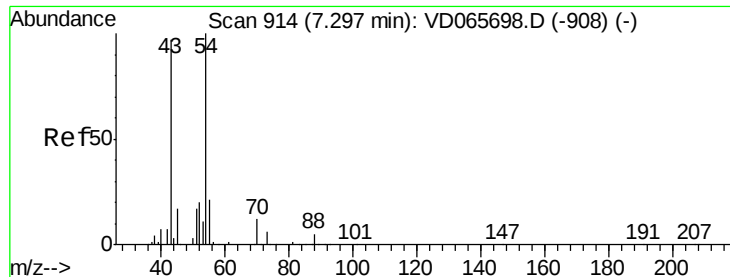
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.7	124.1
192	22.3	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 19.203 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD065719.D
 Acq: 08 May 2020 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	17.2	51.6
77	30.8	23.7	35.5

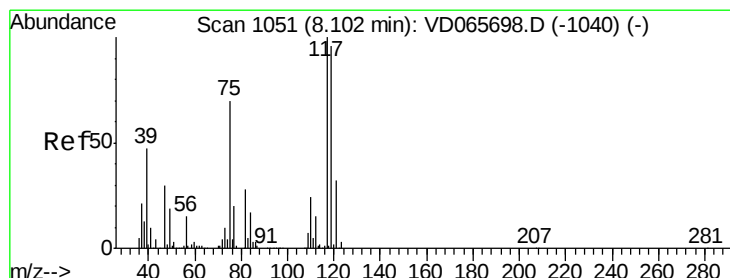
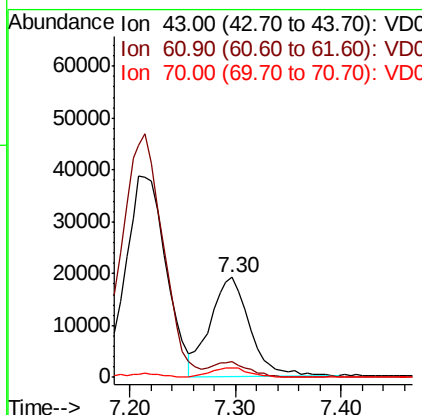
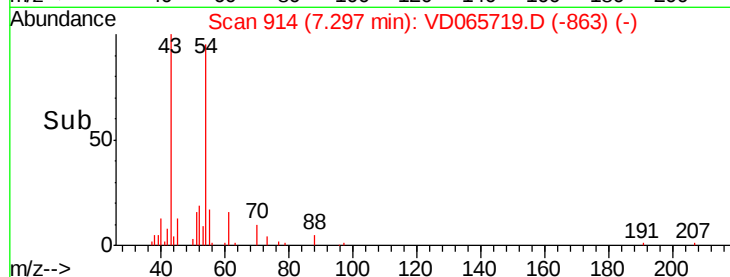
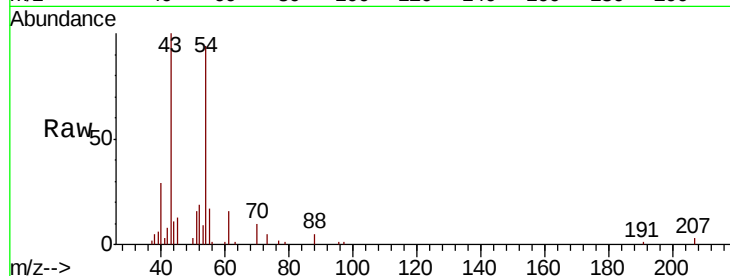




#37
Ethyl Acetate
Concen: 17.600 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

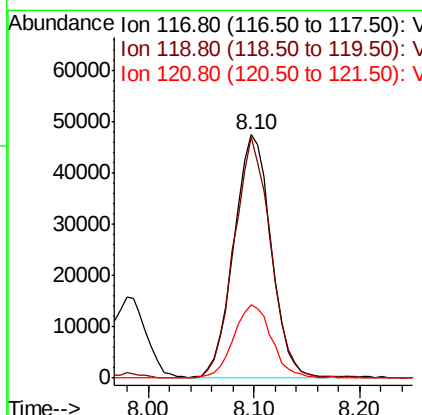
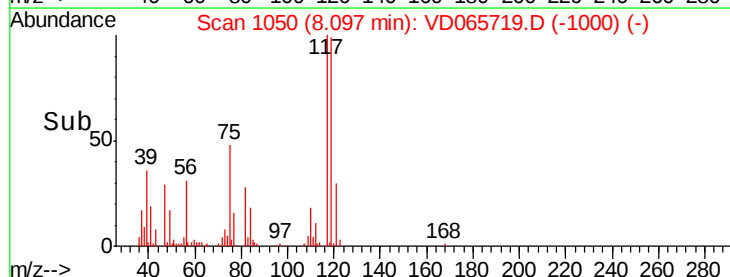
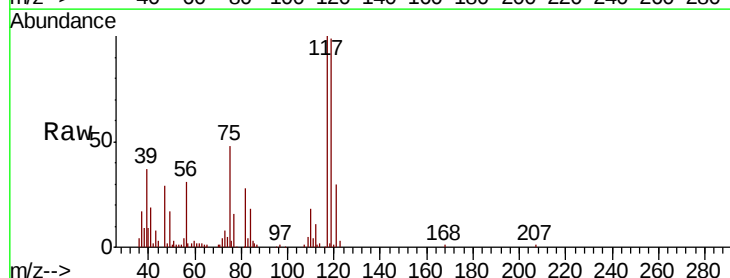
Instrument :
MSVOA_D
ClientSampleId :

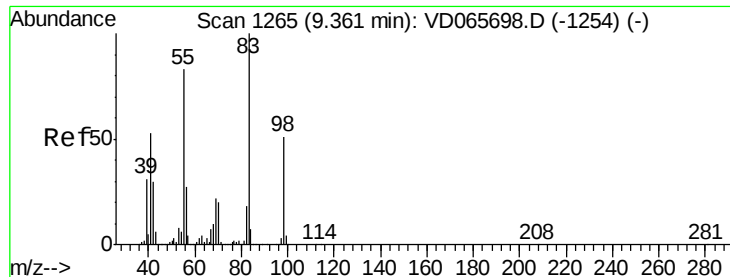
Tot Ion: 43 Resp: 49087
Ion Ratio Lower Upper
43 100
61 14.8 9.9 14.9
70 9.5 7.3 10.9



#38
Carbon Tetrachloride
Concen: 20.255 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

Tgt Ion: 117 Resp: 116322
Ion Ratio Lower Upper
117 100
119 99.1 77.1 115.7
121 30.0 25.5 38.3

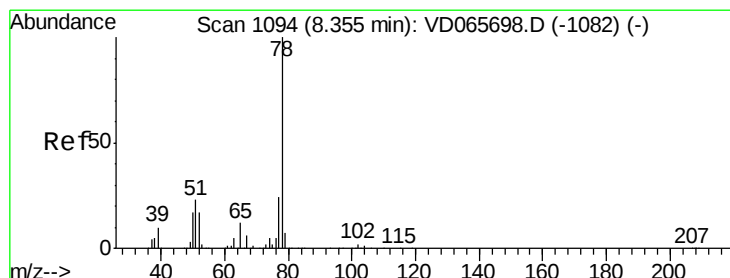
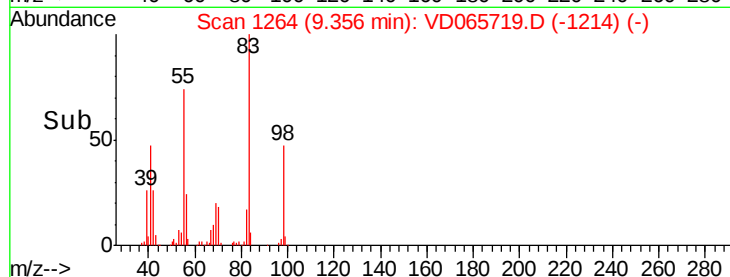
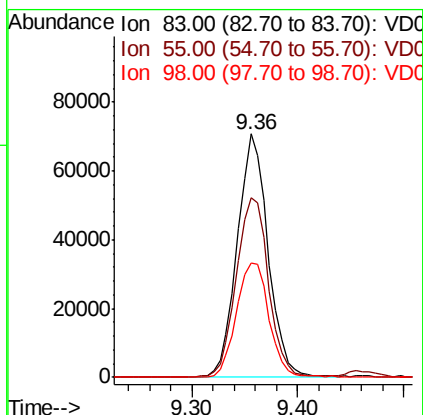
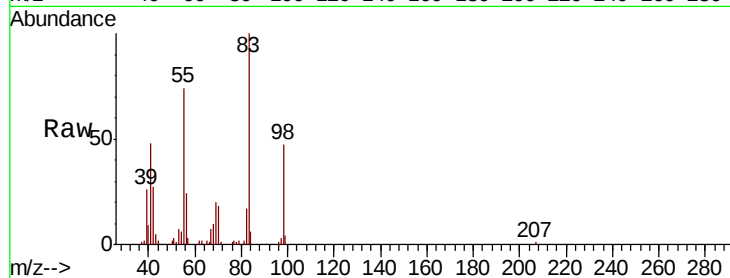




#39
Methvlcvclohexane
Concen: 19.713 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

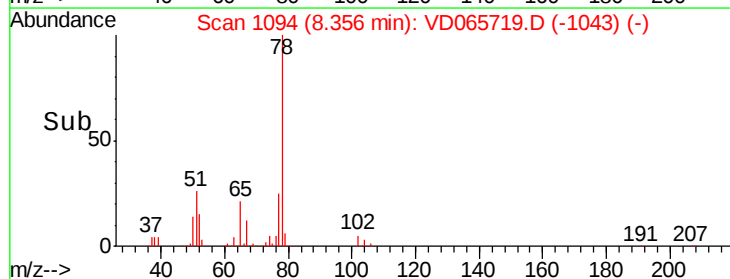
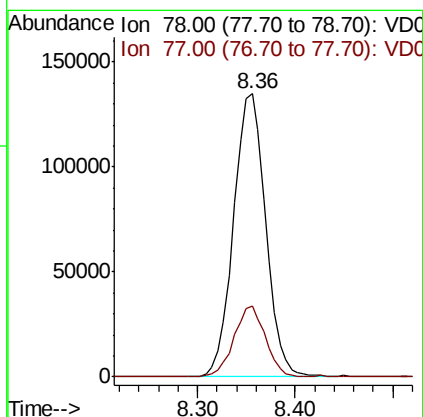
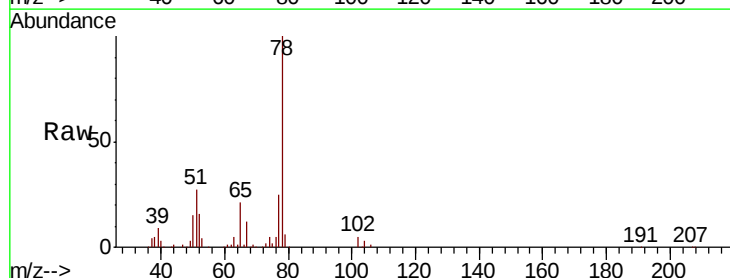
Instrument :
MSVOA_D
ClientSampleId :

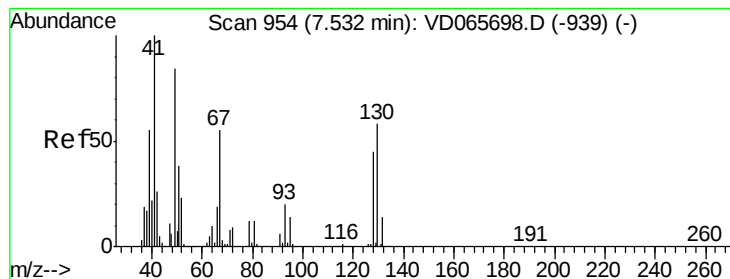
Tot Ion: 83 Resp: 143350
Ion Ratio Lower Upper
83 100
55 73.4 66.0 99.0
98 47.1 41.0 61.4



#40
Benzene
Concen: 19.545 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

Tgt Ion: 78 Resp: 309183
Ion Ratio Lower Upper
78 100
77 24.9 19.6 29.4





#41

Methacrylonitrile

Concen: 40.631 ug/l

RT: 7.57 min Scan# 960

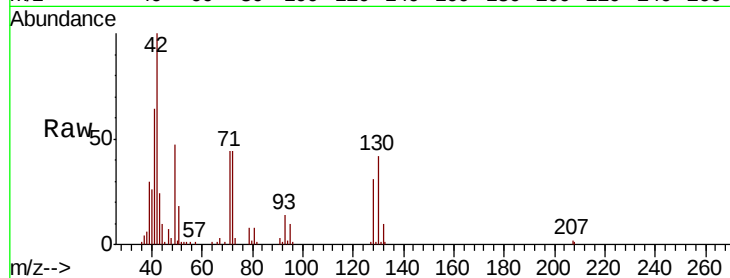
Delta R.T. 0.04 min

Lab File: VD065719.D

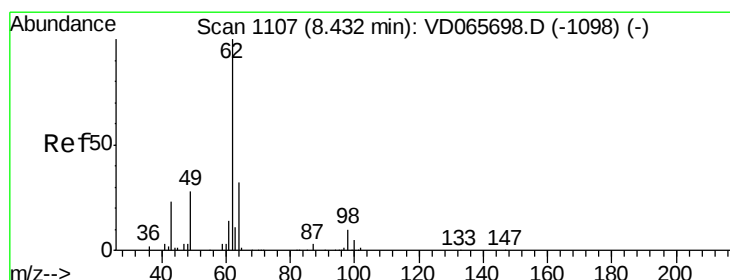
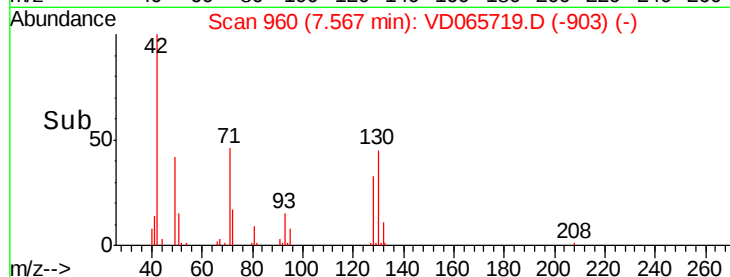
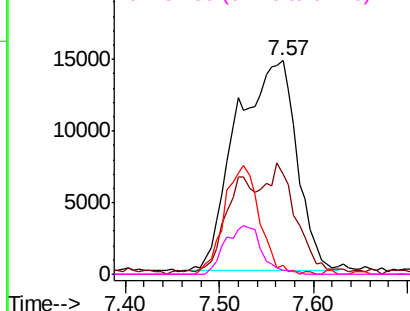
Acq: 08 May 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	65364
Ion	Ratio	Lower	Upper
41	100		
39	0.0	52.5	78.7#
67	0.0	59.4	89.0#
52	0.0	25.6	38.4#



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.133 ug/l

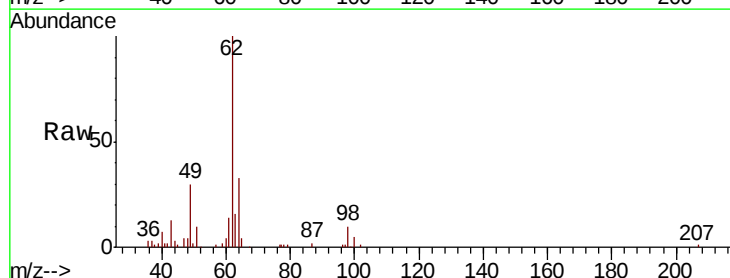
RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

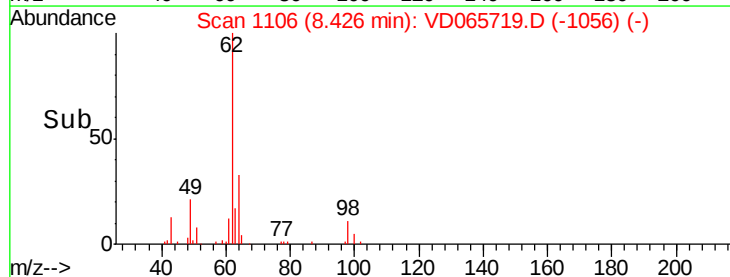
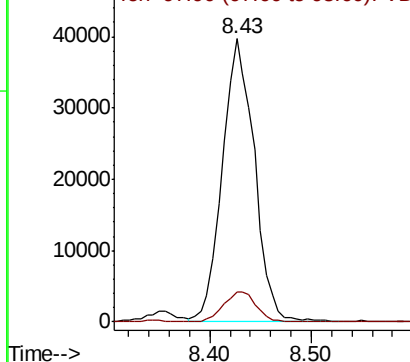
Lab File: VD065719.D

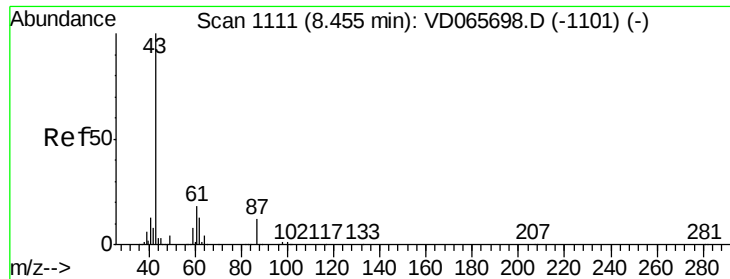
Acq: 08 May 2020 12:28

Tgt Ion:	62	Resp:	87094
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	19.2



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 17.811 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

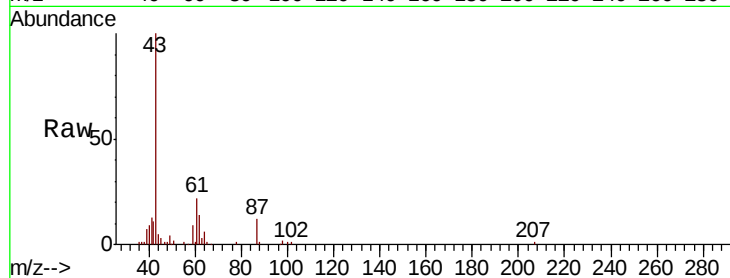
Tot Ion: 43 Resp: 99338

Ion Ratio Lower Upper

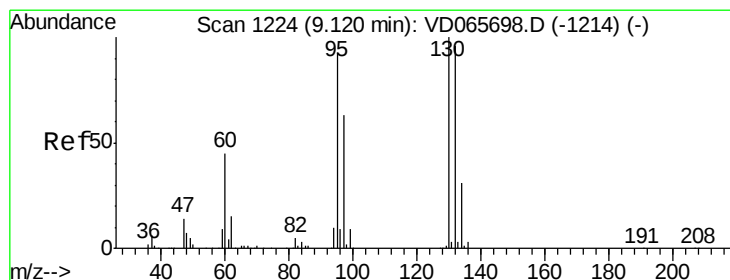
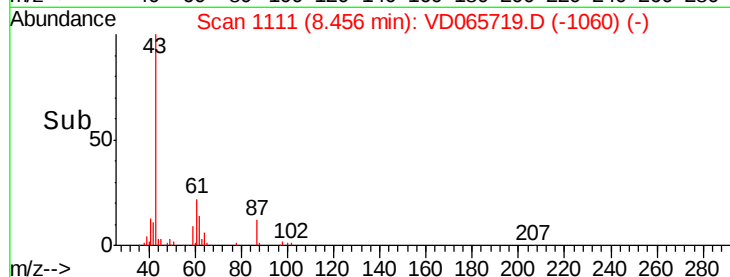
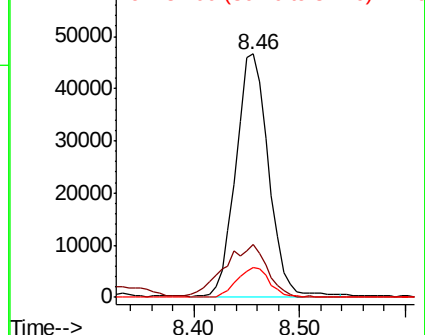
43 100

61 28.7 21.9 32.9

87 12.3 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: 21.430 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD065719.D

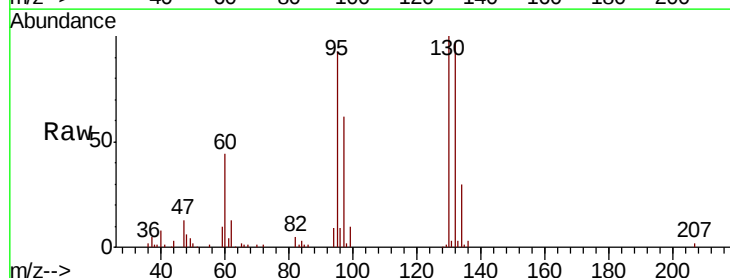
Acq: 08 May 2020 12:28

Tgt Ion:130 Resp: 93422

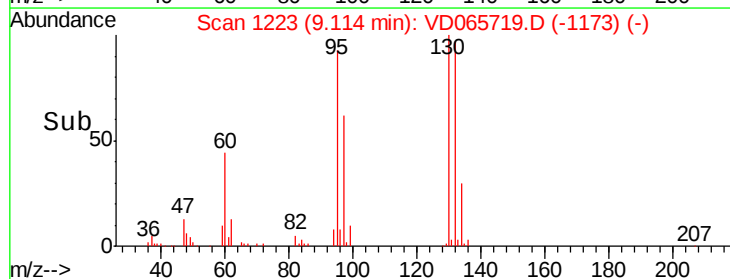
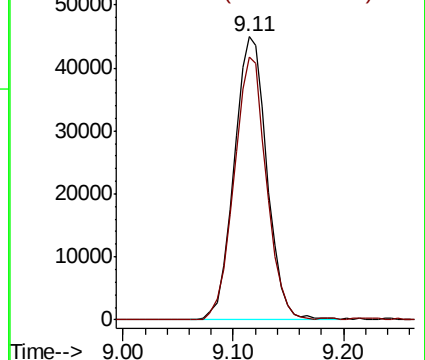
Ion Ratio Lower Upper

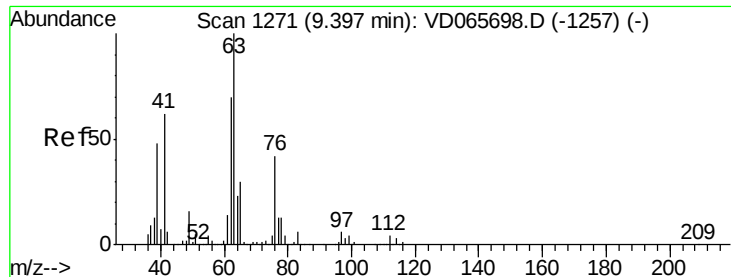
130 100

95 92.8 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: 19.296 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

Instrument :

MSVOA_D

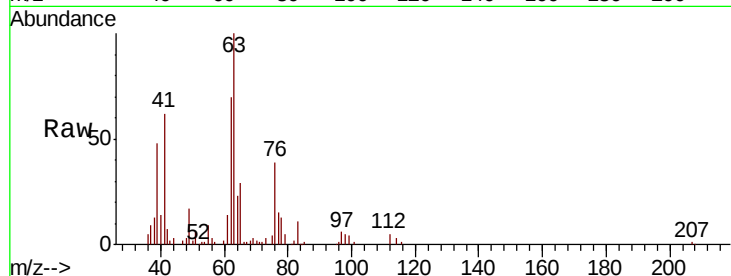
ClientSampleId :

Tot Ion: 63 Resp: 78939

Ion Ratio Lower Upper

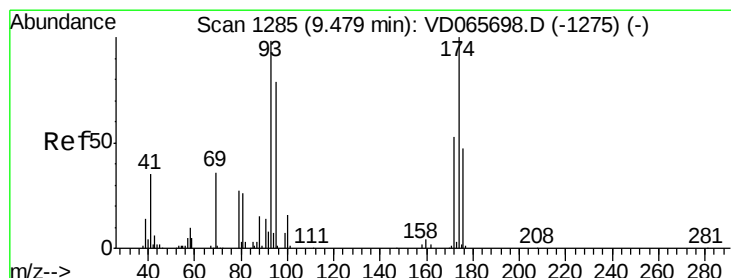
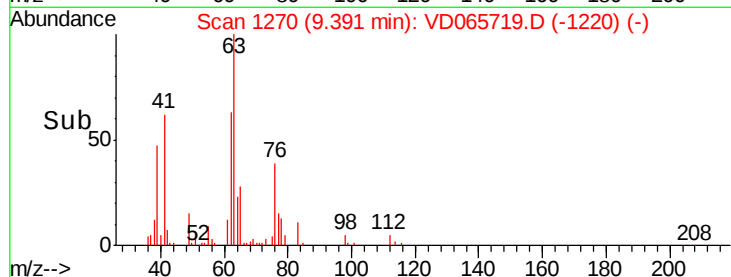
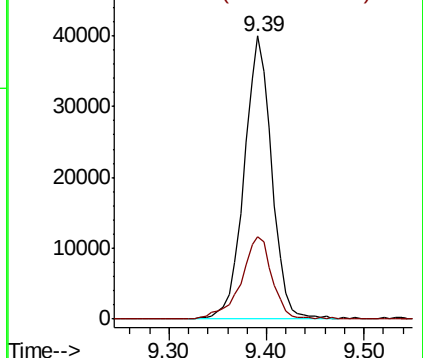
63 100

65 29.0 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: 19.909 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

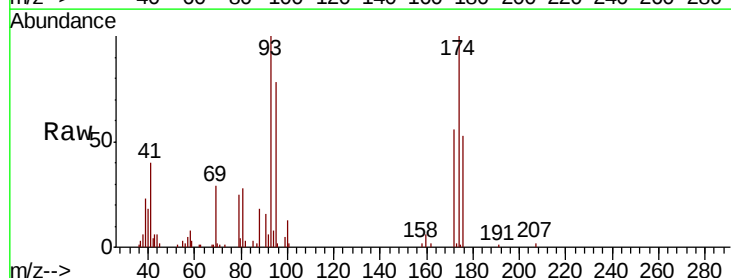
Tgt Ion: 93 Resp: 40853

Ion Ratio Lower Upper

93 100

95 81.7 65.3 97.9

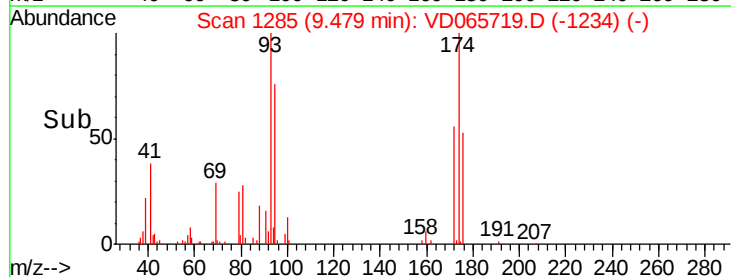
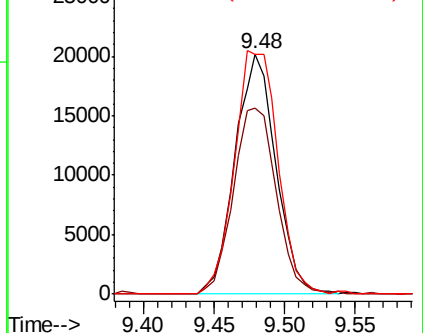
174 107.4 82.7 124.1

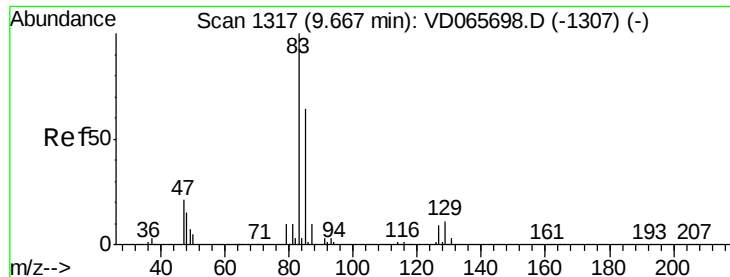


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

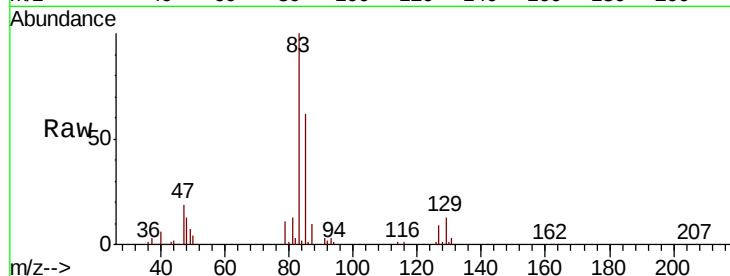




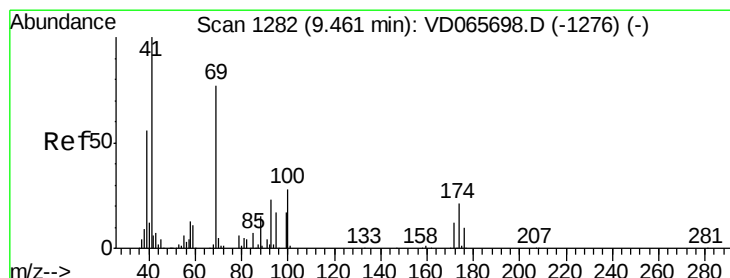
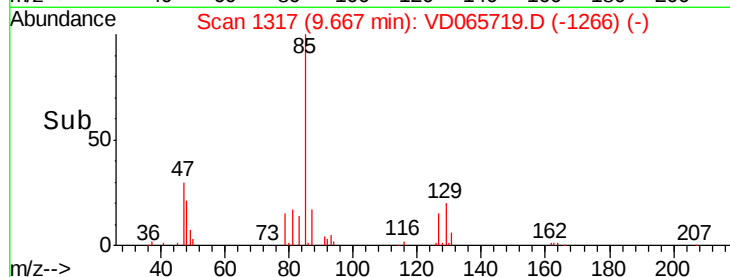
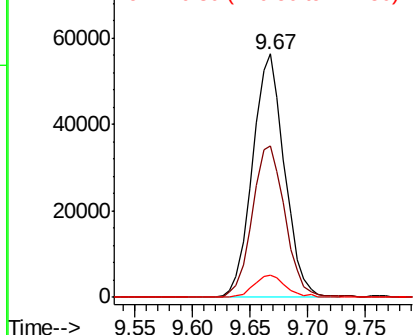
#47
Bromodichloromethane
Concen: 19.878 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	83	Resp	109080
Ion Ratio	Lower	Upper	
83	100		
85	62.4	50.9	76.3
127	9.1	6.9	10.3

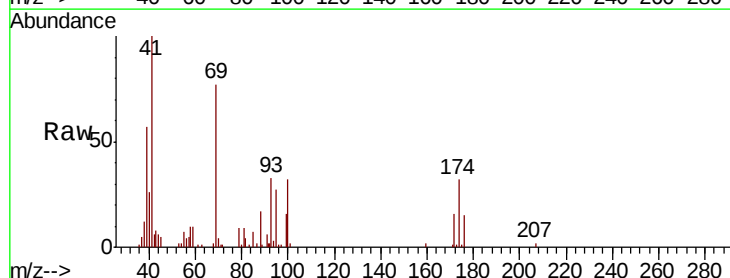


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

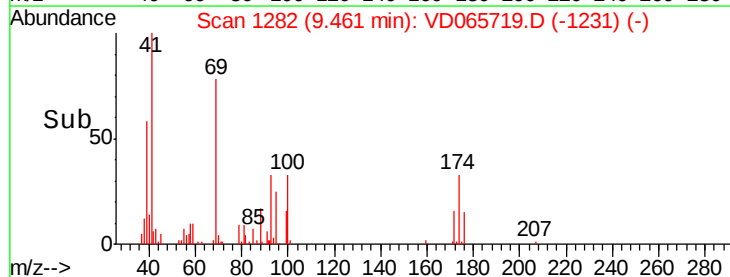
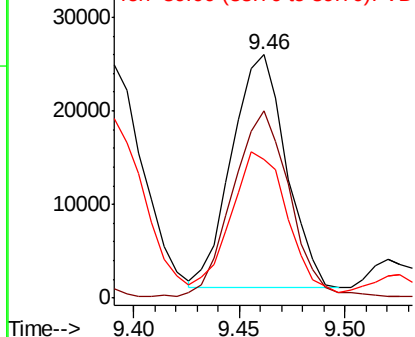


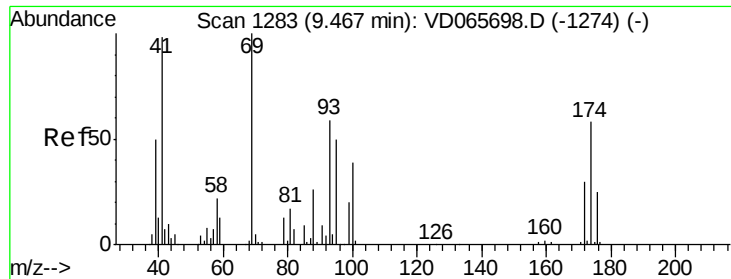
#48
Methyl methacrylate
Concen: 15.971 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

Tgt Ion	41	Resp	44600
Ion Ratio	Lower	Upper	
41	100		
69	85.9	58.2	87.2
39	61.5	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

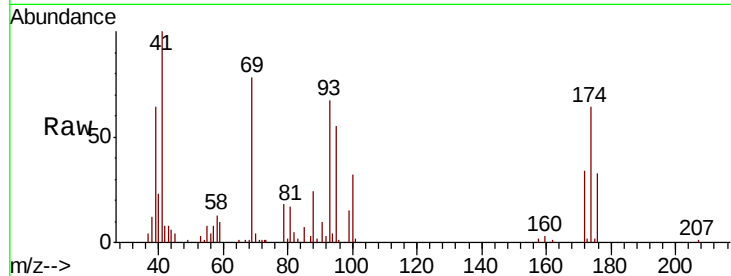




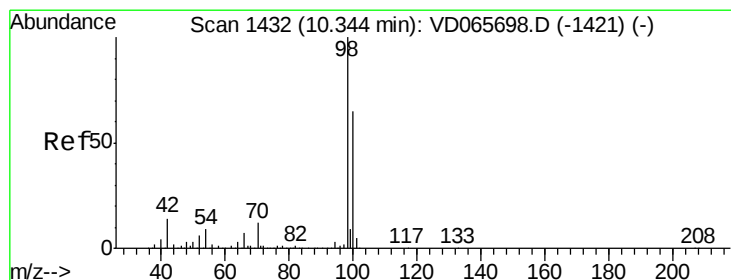
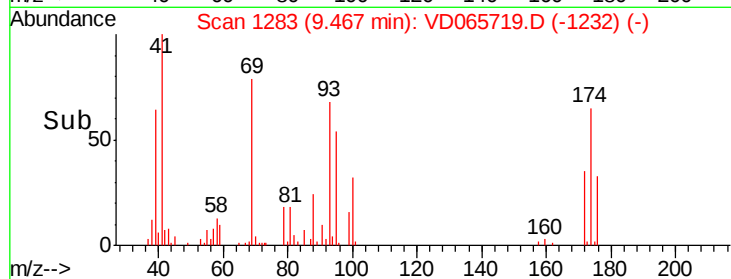
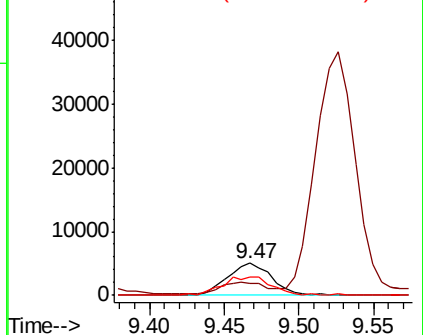
#49
1,4-Dioxane
Concen: 414.689 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 10431
Ion Ratio Lower Upper
88 100
43 43.0 31.6 47.4
58 63.9 60.2 90.4

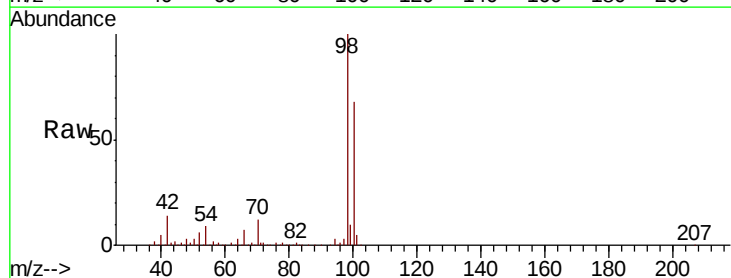


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

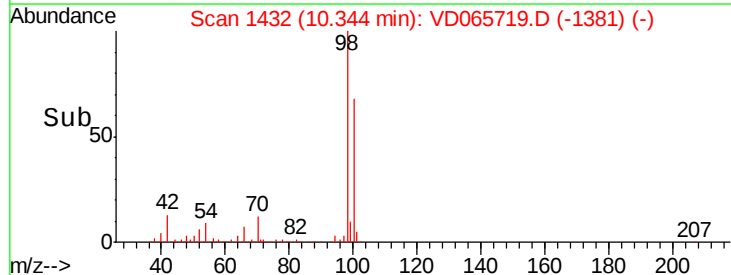
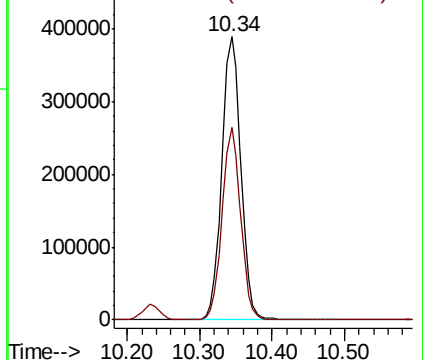


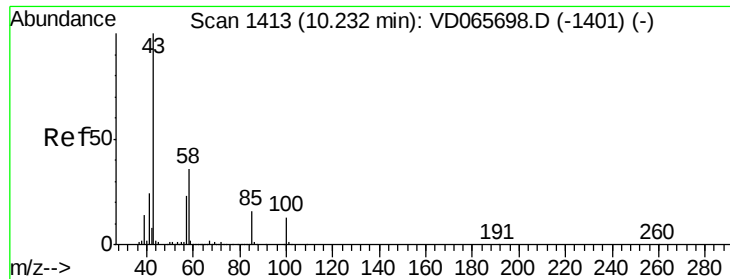
#50
Toluene-d8
Concen: 51.024 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

Tgt Ion: 98 Resp: 714255
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



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

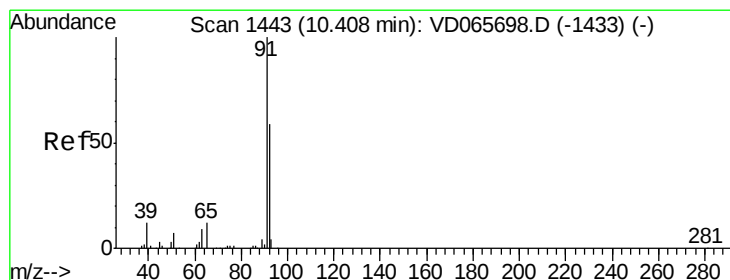
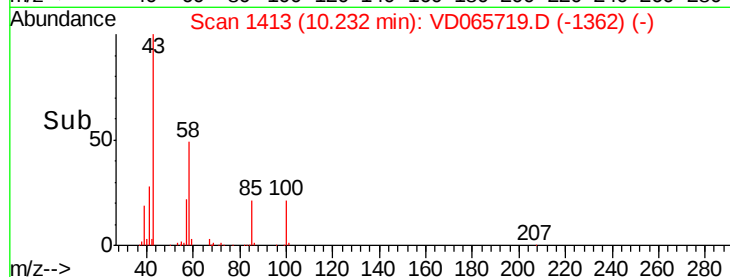
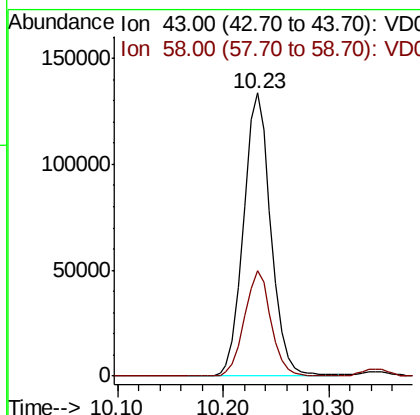
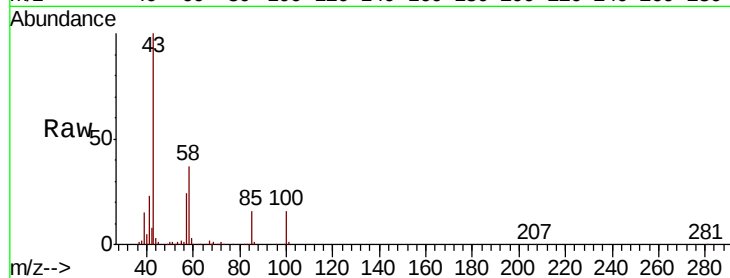




#51
4-Methyl-2-Pentanone
Concen: 89.355 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

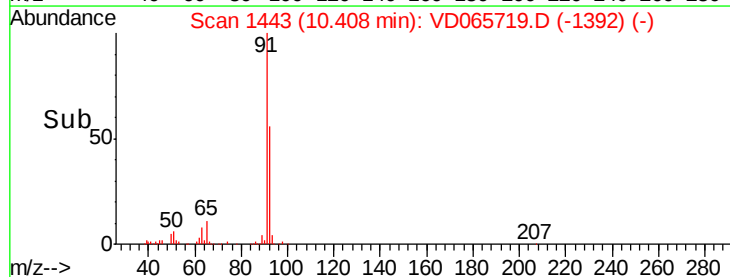
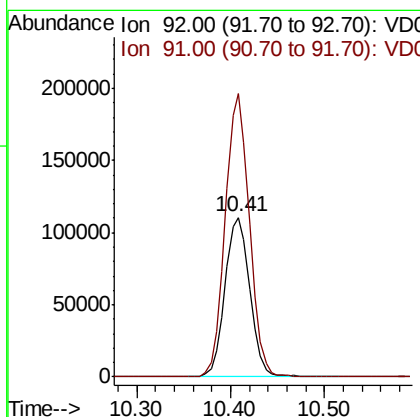
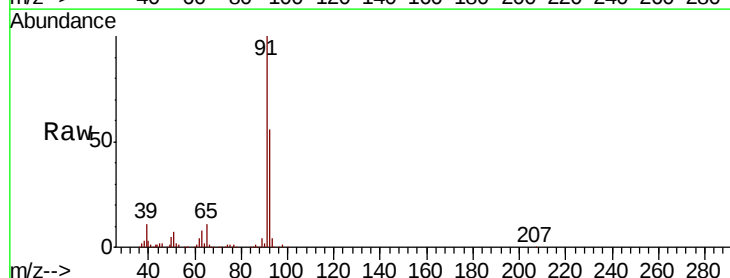
Instrument :
MSVOA_D
ClientSampleId :

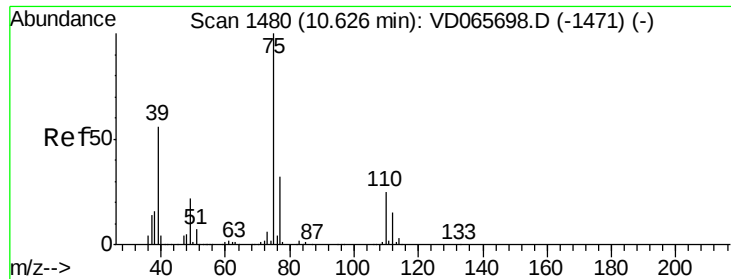
Tot Ion: 43 Resp: 240180
Ion Ratio Lower Upper
43 100
58 36.2 28.6 42.8



#52
Toluene
Concen: 20.339 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

Tgt Ion: 92 Resp: 203465
Ion Ratio Lower Upper
92 100
91 172.7 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 19.710 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

Instrument :

MSVOA_D

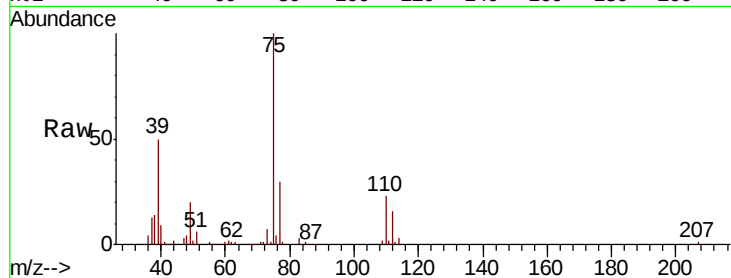
ClientSampleId :

Tot Ion: 75 Resp: 109551

Ion Ratio Lower Upper

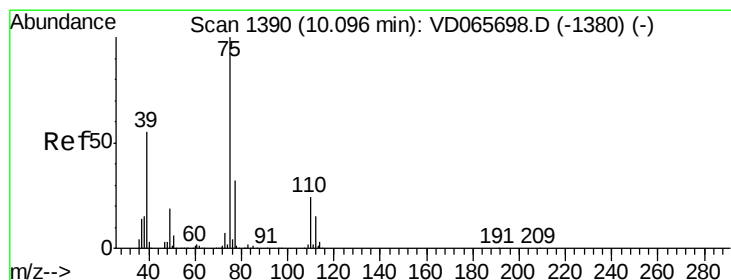
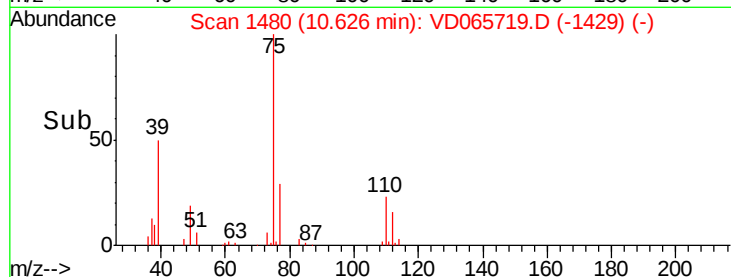
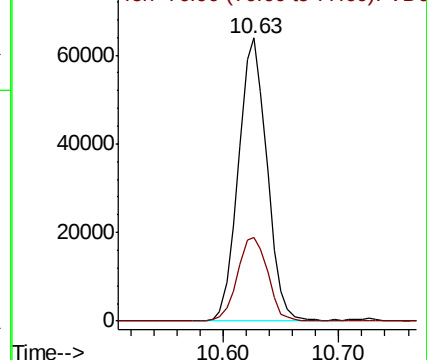
75 100

77 29.6 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.798 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

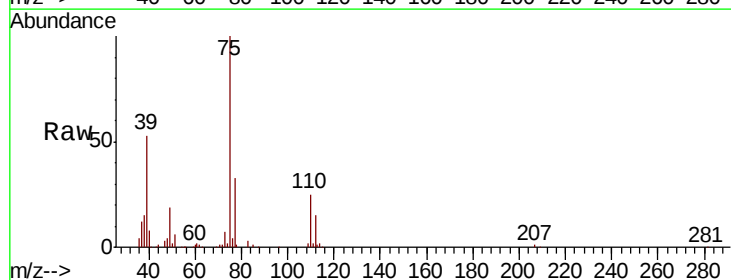
Tgt Ion: 75 Resp: 129640

Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.8

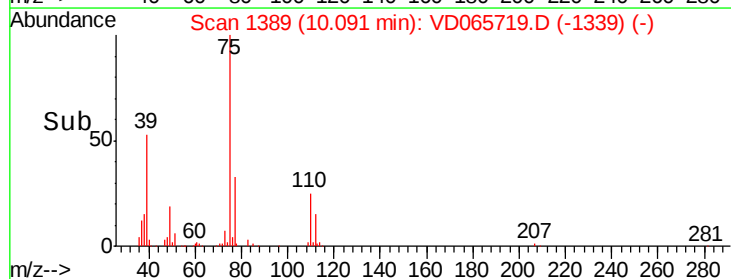
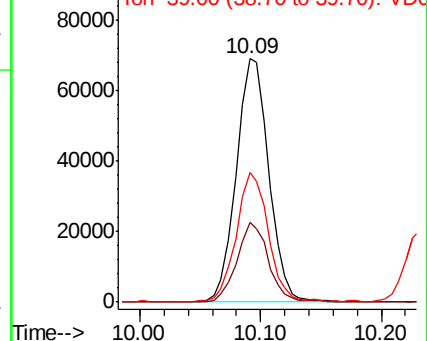
39 53.1 44.4 66.6

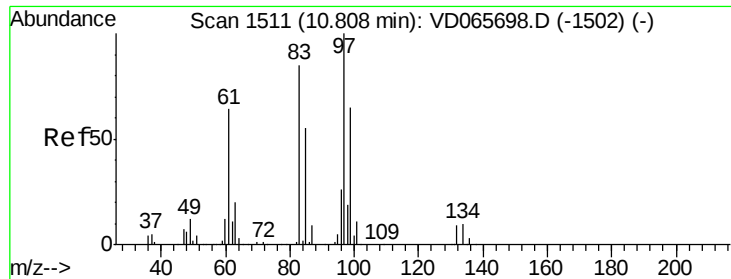


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

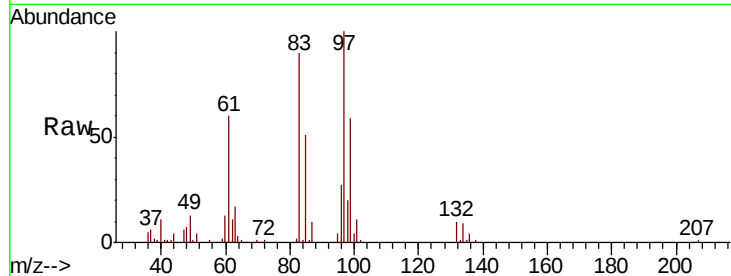




#55
 1,1,2-Trichloroethane
 Concen: 20.610 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065719.D
 Acq: 08 May 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	57016
Ion	Ratio	Lower	Upper
97	100		
83	89.6	68.2	102.4
85	50.6	43.6	65.4
99	58.9	52.2	78.4



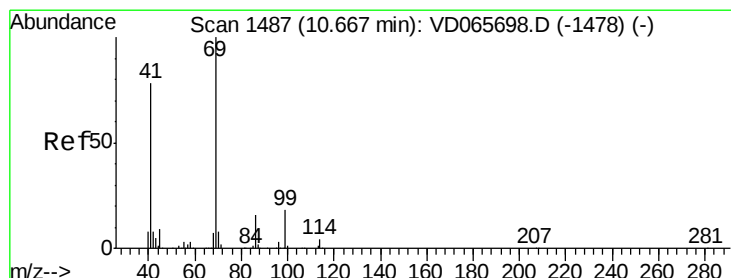
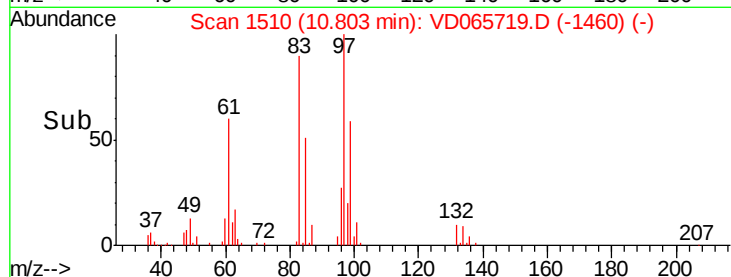
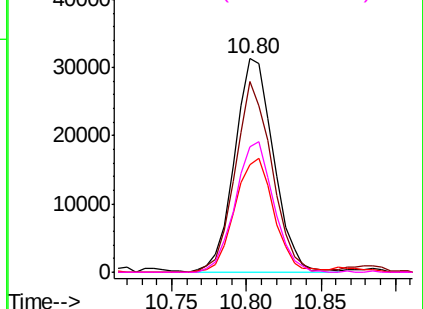
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

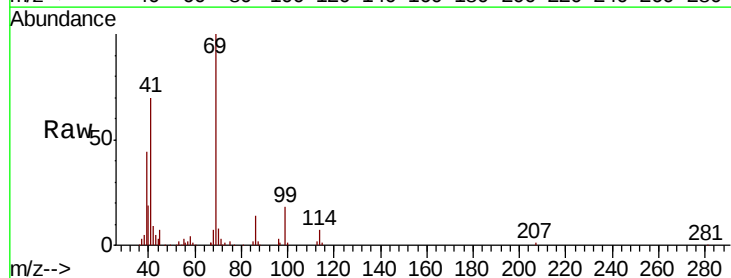
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 19.154 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065719.D
 Acq: 08 May 2020 12:28

Tgt Ion:	69	Resp:	76506
Ion	Ratio	Lower	Upper
69	100		
41	70.0	61.4	92.0
39	37.5	32.7	49.1

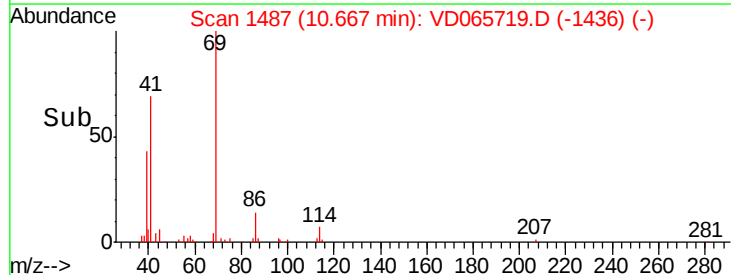
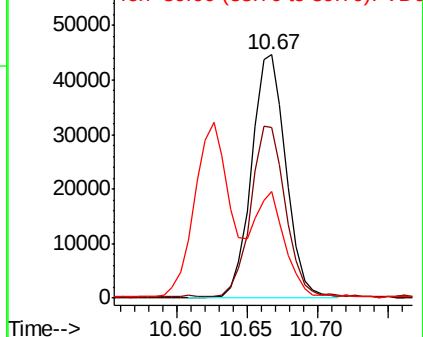


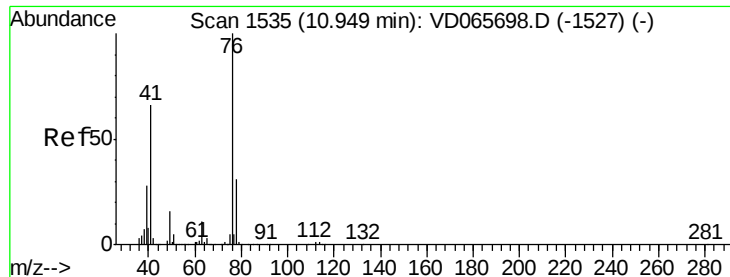
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 19.949 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

Instrument :

MSVOA_D

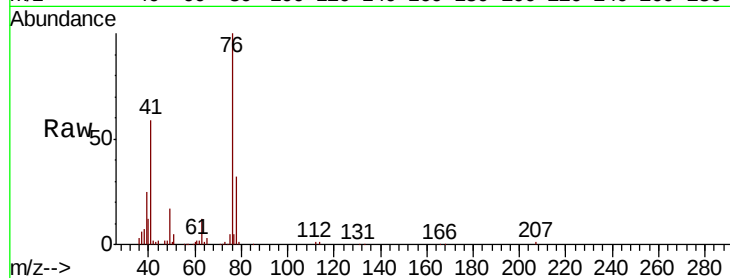
ClientSampleId :

Tot Ion: 76 Resp: 99213

Ion Ratio Lower Upper

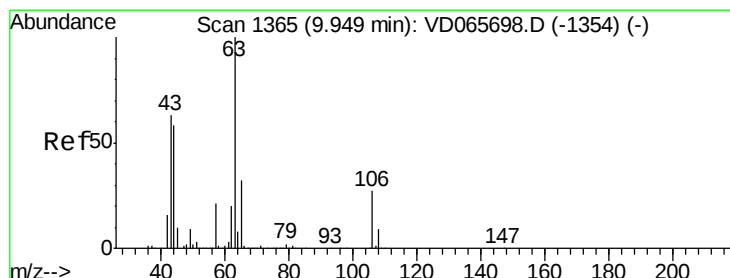
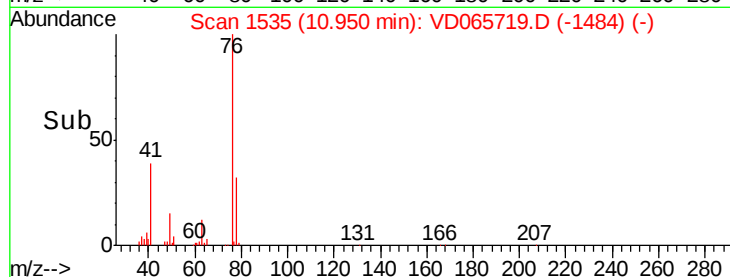
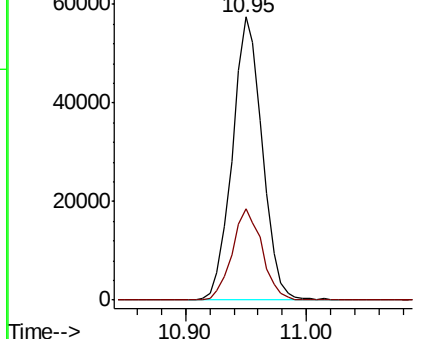
76 100

78 32.3 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: 91.984 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065719.D

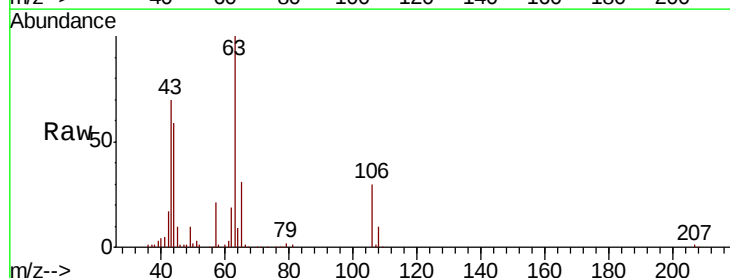
Acq: 08 May 2020 12:28

Tgt Ion: 63 Resp: 168671

Ion Ratio Lower Upper

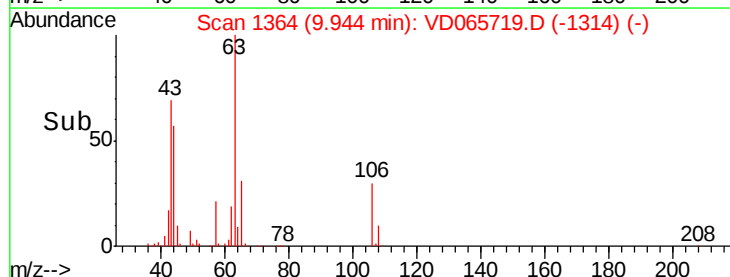
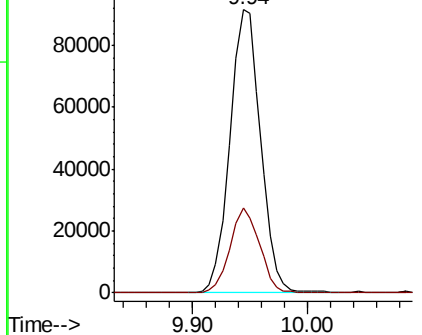
63 100

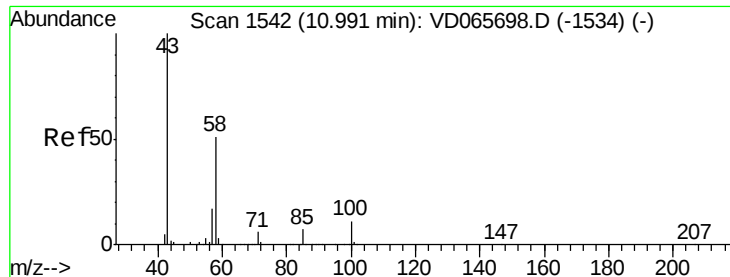
106 29.0 22.0 33.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

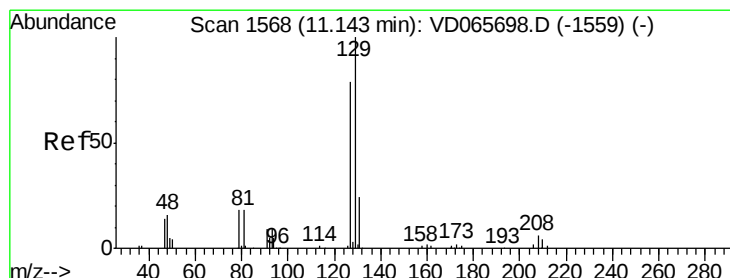
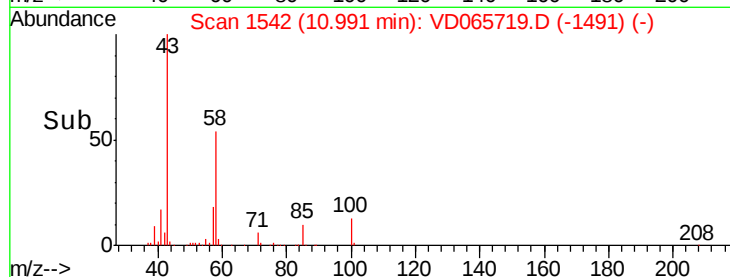
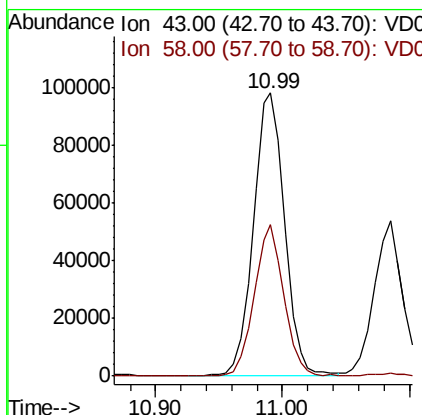
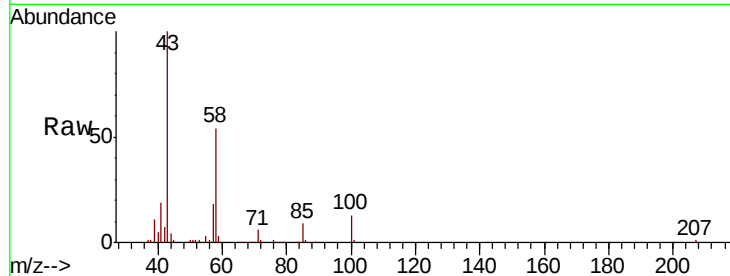




#59
2-Hexanone
Concen: 90.961 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

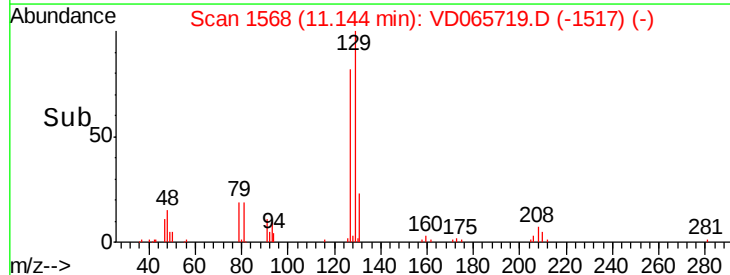
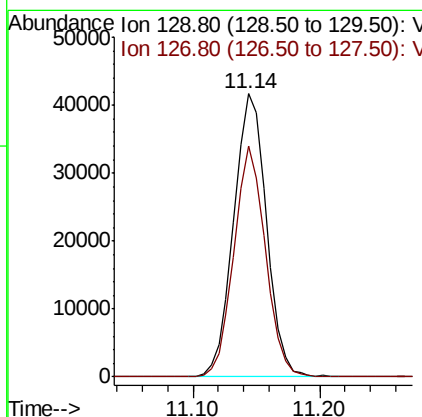
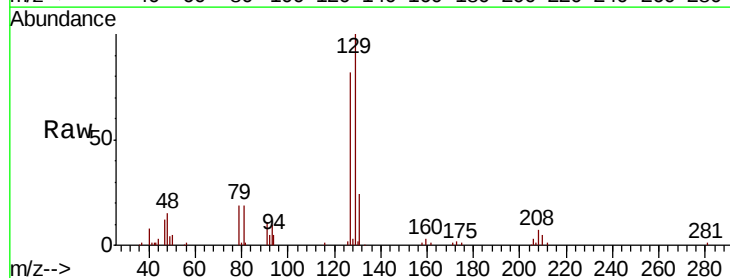
Instrument :
MSVOA_D
ClientSampled :

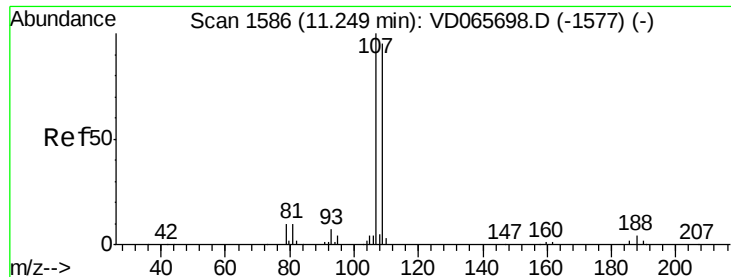
Tot Ion: 43 Resp: 168166
Ion Ratio Lower Upper
43 100
58 50.4 25.4 76.0



#60
Dibromochloromethane
Concen: 20.104 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

Tgt Ion: 129 Resp: 74711
Ion Ratio Lower Upper
129 100
127 78.6 38.9 116.6

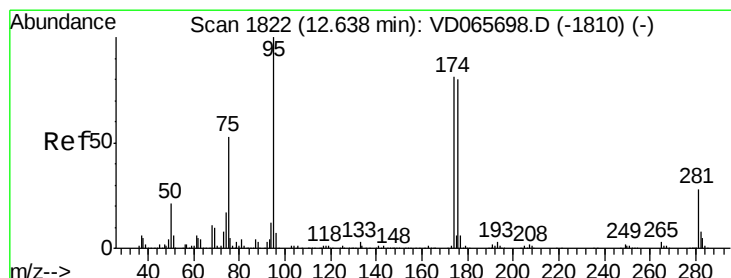
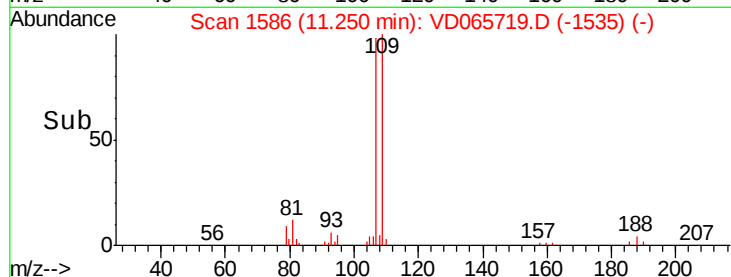
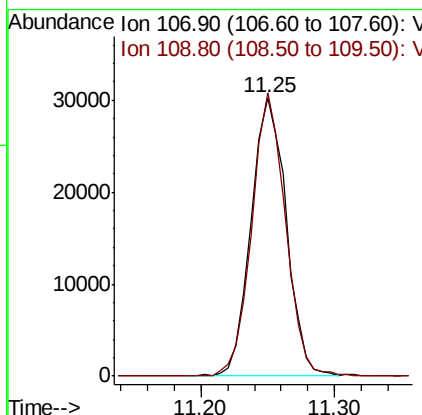
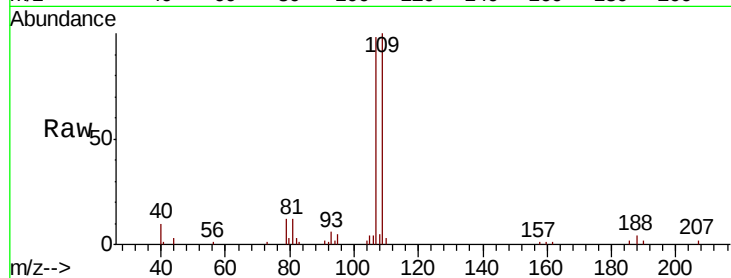




#61
 1,2-Dibromoethane
 Concen: 19.746 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065719.D
 Acq: 08 May 2020 12:28

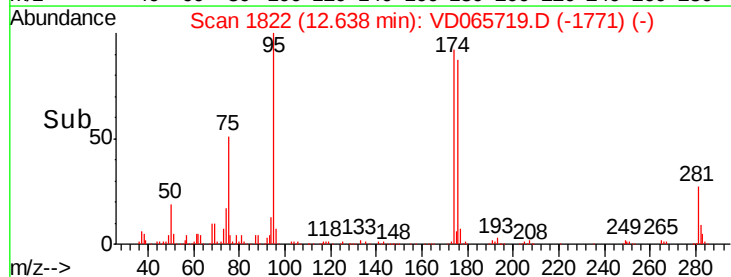
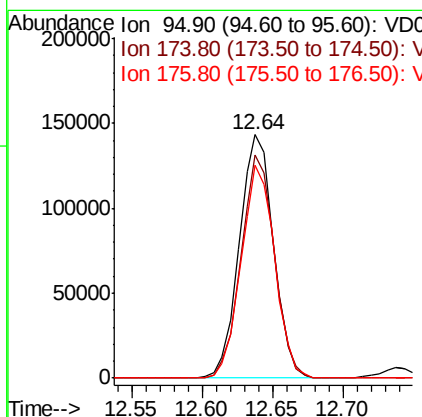
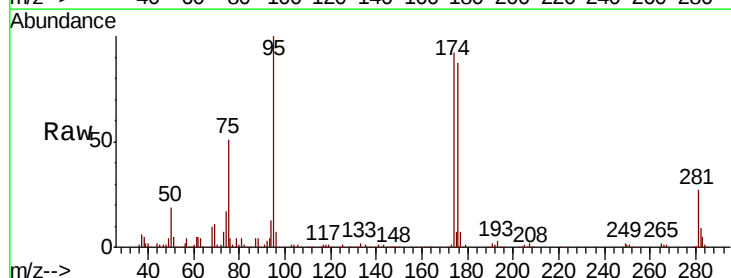
Instrument :
 MSVOA_D
 ClientSampleId :

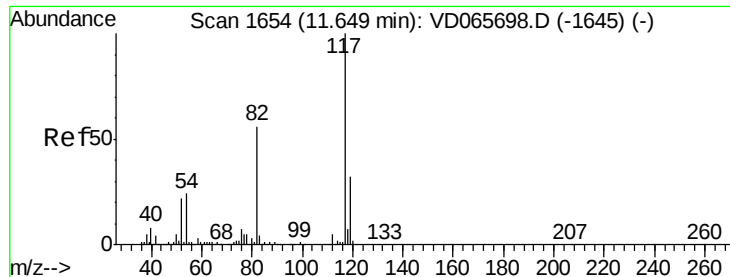
Tot Ion:107 Resp: 54962
 Ion Ratio Lower Upper
 107 100
 109 97.5 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 48.751 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065719.D
 Acq: 08 May 2020 12:28

Tgt Ion: 95 Resp: 241930
 Ion Ratio Lower Upper
 95 100
 174 89.8 0.0 162.6
 176 86.3 0.0 159.0

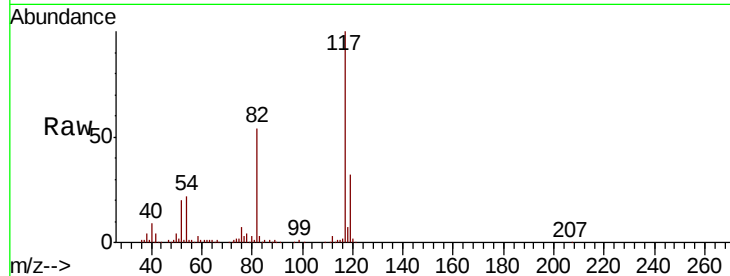




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.9	67.3
119	32.2	25.4	38.2

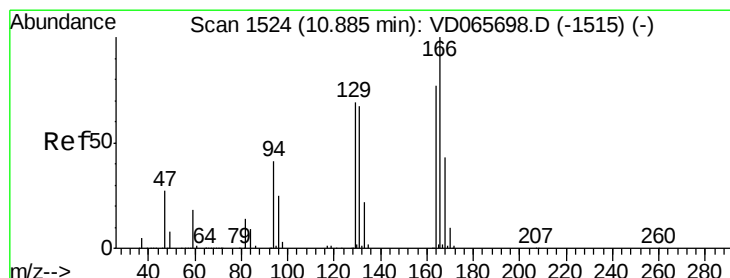
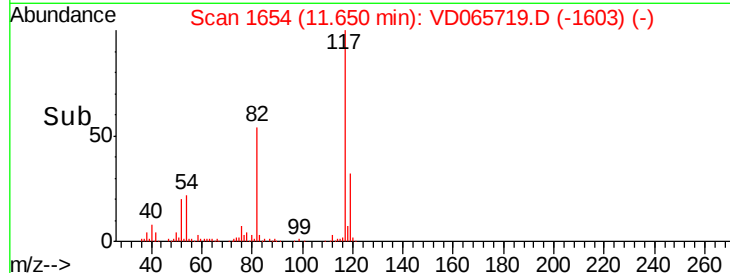
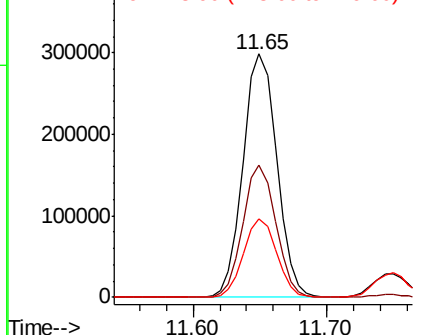


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.104 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.01 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.4	104.3	156.5
129	86.9	71.9	107.9
131	81.3	70.2	105.2

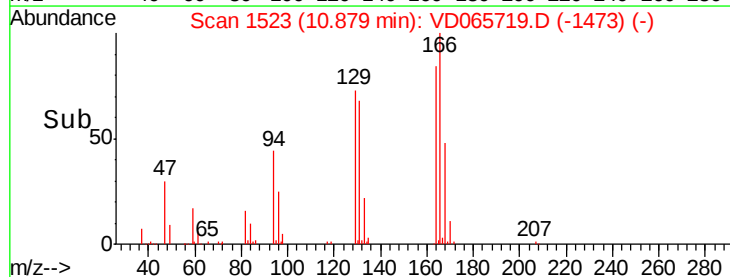
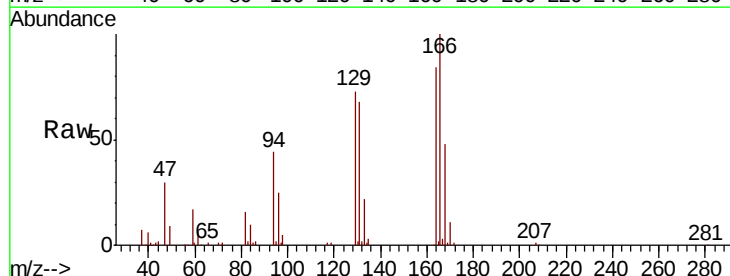
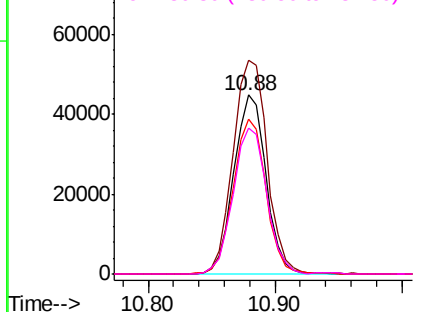
Abundance

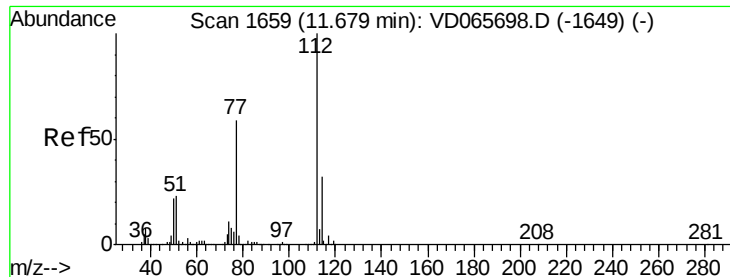
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.464 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

Instrument :

MSVOA_D

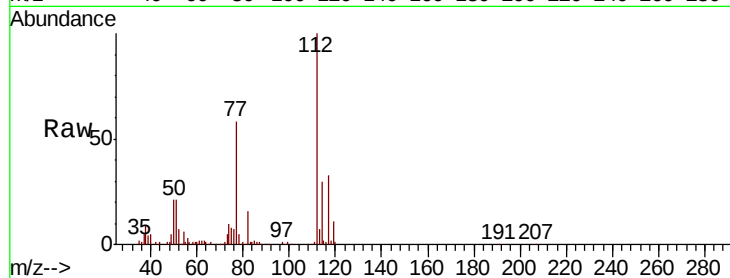
ClientSampleId :

Tot Ion:112 Resp: 215920

Ion Ratio Lower Upper

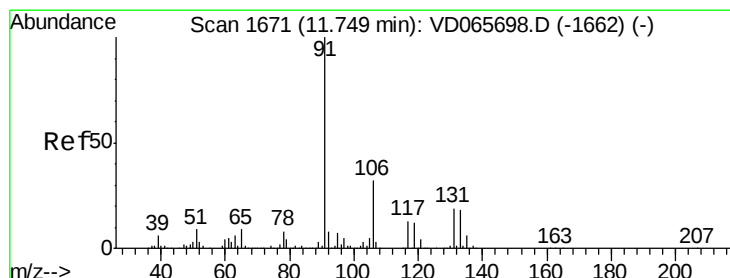
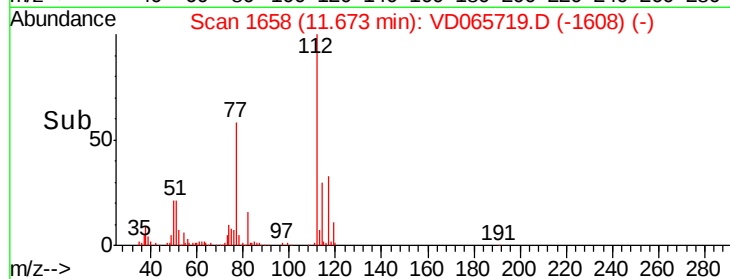
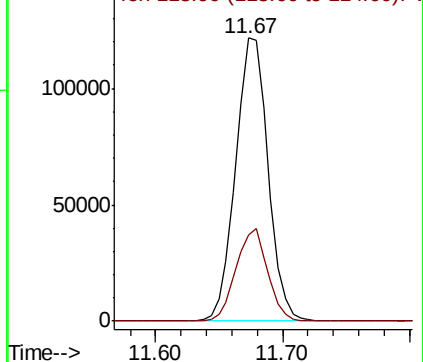
112 100

114 30.3 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.037 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

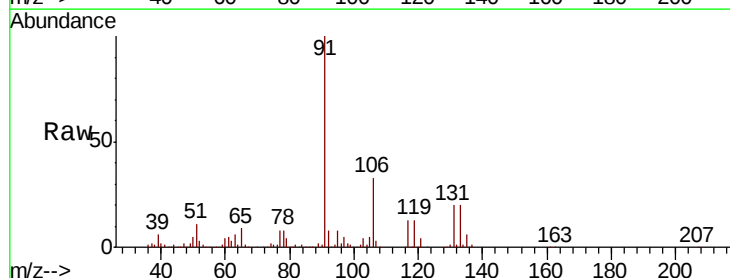
Tgt Ion:131 Resp: 82759

Ion Ratio Lower Upper

131 100

133 95.8 47.3 141.8

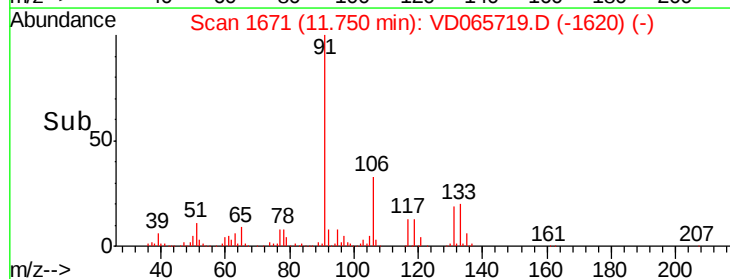
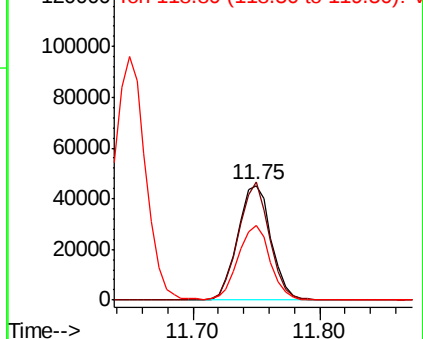
119 62.6 31.8 95.4

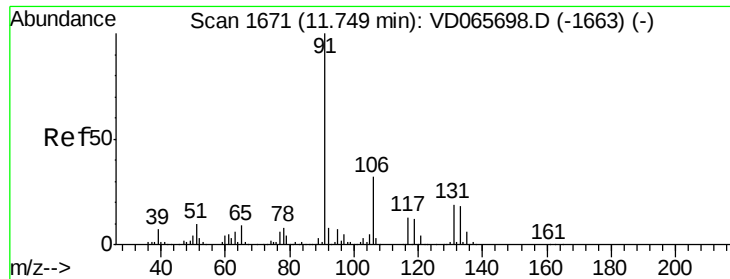


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.921 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

Instrument :

MSVOA_D

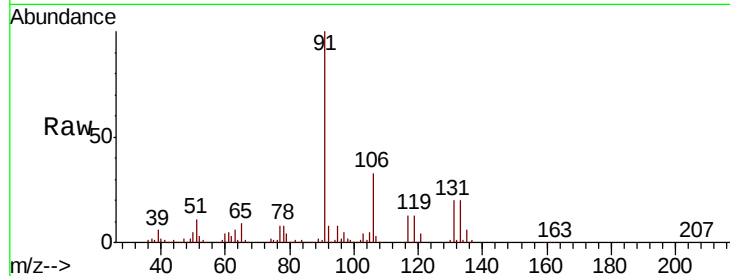
ClientSampleId :

Tot Ion: 91 Resp: 392121

Ion Ratio Lower Upper

91 100

106 32.7 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC

250000

200000

150000

100000

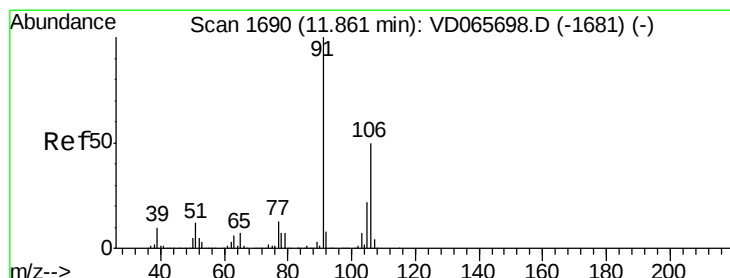
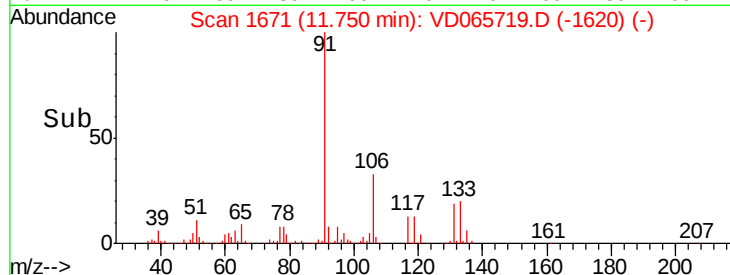
50000

0

11.75

11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 40.809 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065719.D

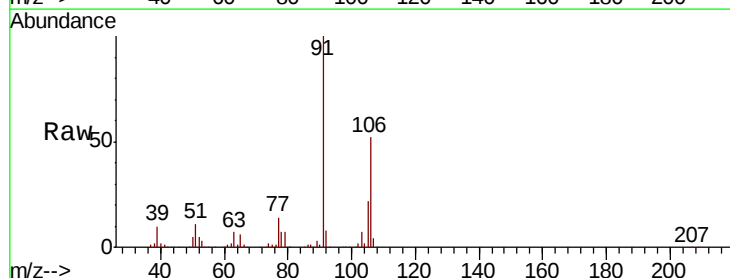
Acq: 08 May 2020 12:28

Tgt Ion: 106 Resp: 299460

Ion Ratio Lower Upper

106 100

91 198.3 163.1 244.7



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

200000

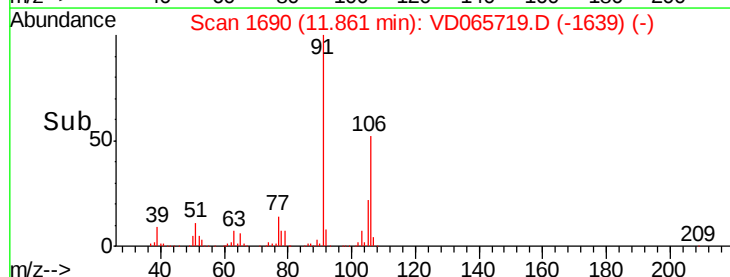
100000

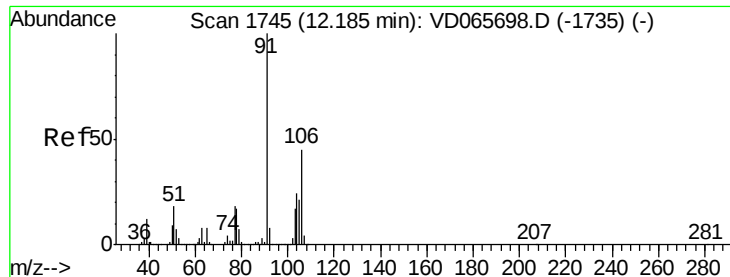
0

11.86

11.80 11.85 11.90

Time-->

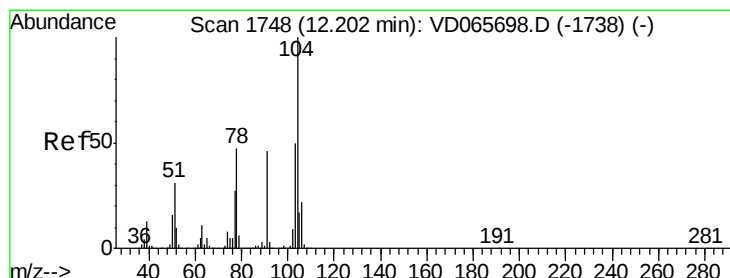
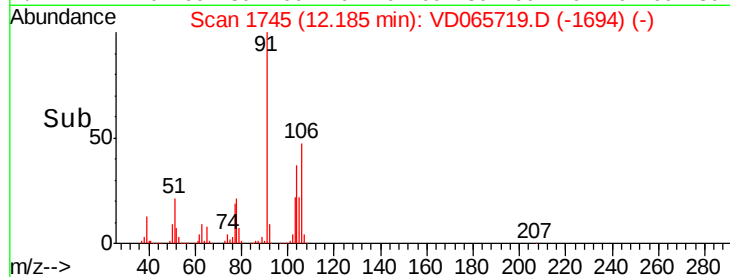
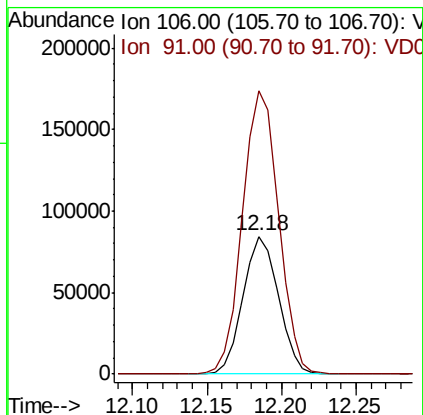
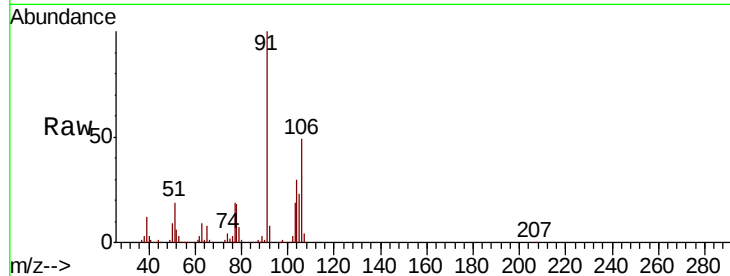




#69
o-Xylene
Concen: 20.314 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

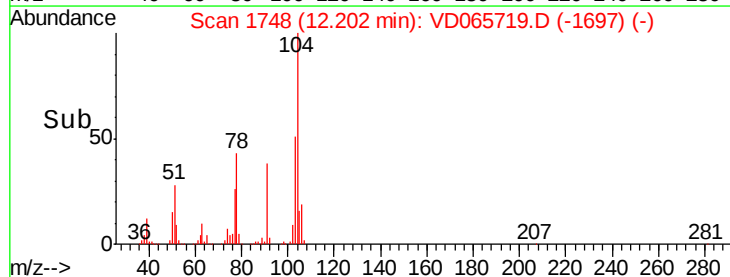
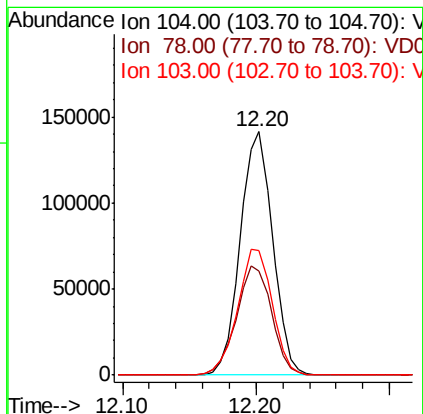
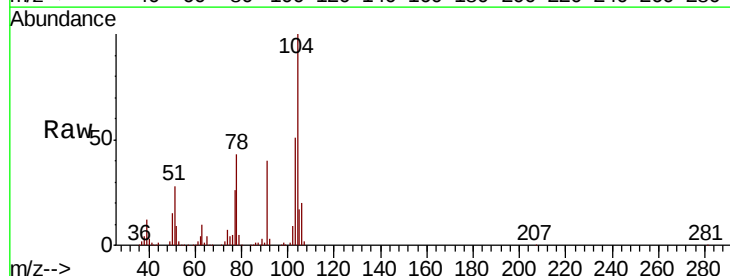
Instrument :
MSVOA_D
ClientSampled :

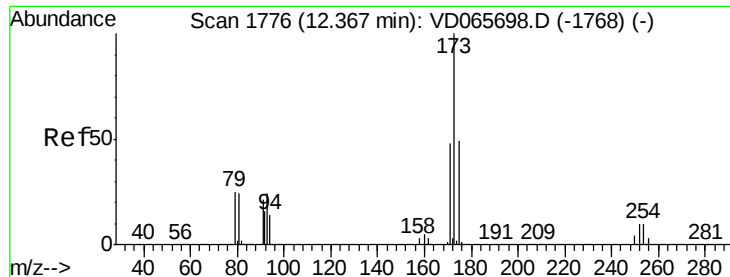
Tot Ion:106 Resp: 139097
Ion Ratio Lower Upper
106 100
91 209.6 107.9 323.7



#70
Styrene
Concen: 20.140 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

Tgt Ion:104 Resp: 237097
Ion Ratio Lower Upper
104 100
78 48.8 41.0 61.4
103 55.4 43.8 65.6

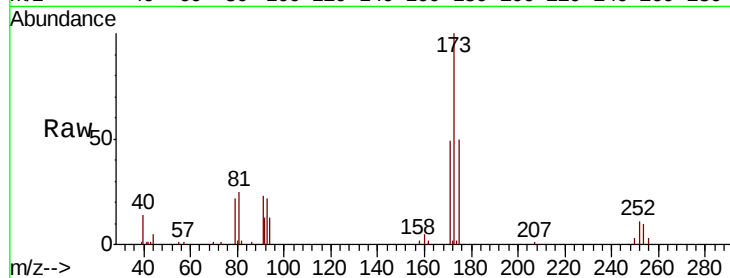




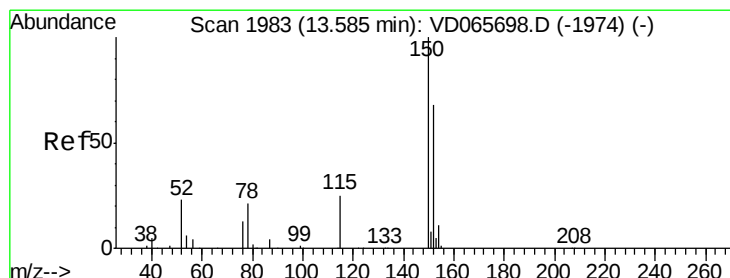
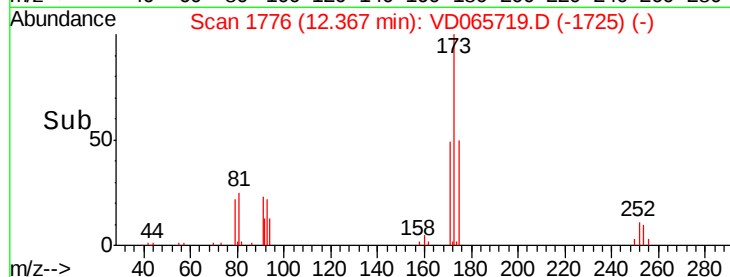
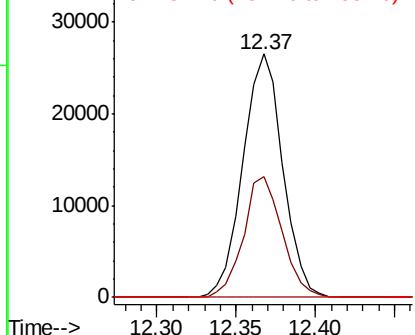
#71
Bromoform
Concen: 20.891 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 46242
Ion Ratio Lower Upper
173 100
175 48.1 24.5 73.5
254 0.0 0.0 0.0

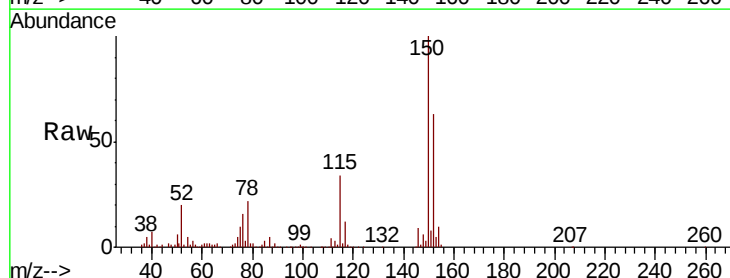


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

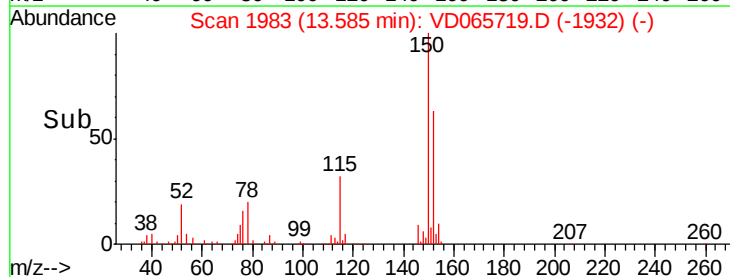
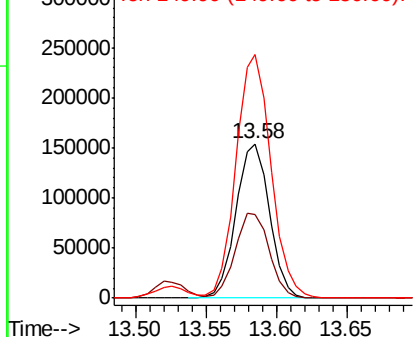


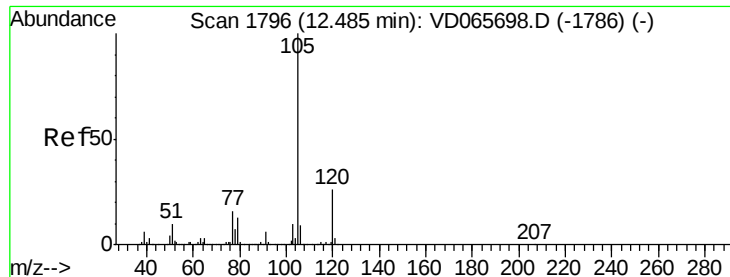
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065719.D
Acq: 08 May 2020 12:28

Tgt Ion:152 Resp: 255698
Ion Ratio Lower Upper
152 100
115 56.1 29.5 88.5
150 164.9 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: 19.486 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

Instrument :

MSVOA_D

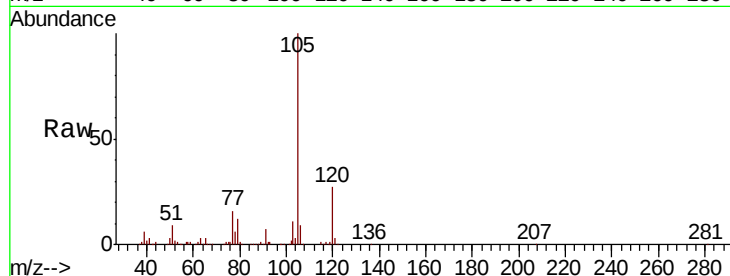
ClientSampled :

Tot Ion:105 Resp: 377510

Ion Ratio Lower Upper

105 100

120 26.9 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

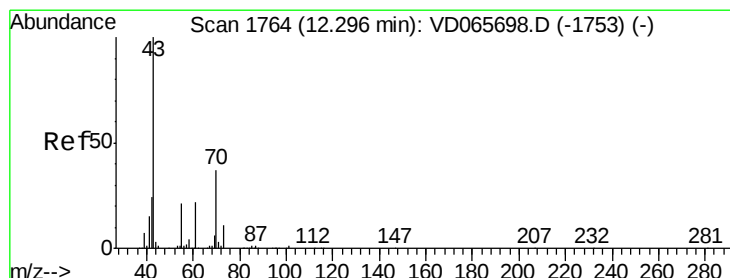
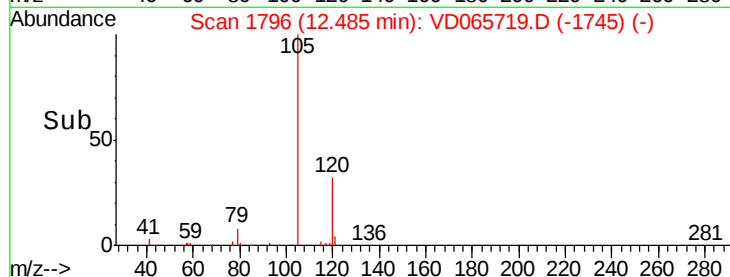
100000

50000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 16.876 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

Tgt Ion: 43 Resp: 93336

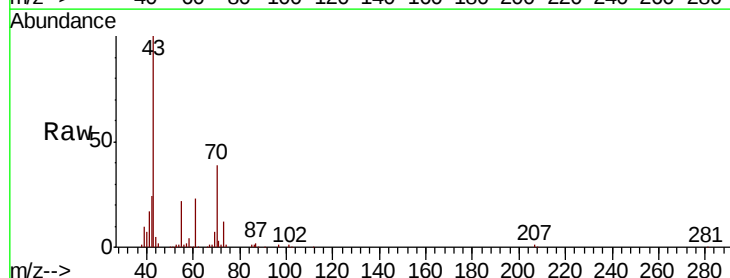
Ion Ratio Lower Upper

43 100

70 40.3 29.3 43.9

55 21.7 16.4 24.6

61 23.0 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

60000

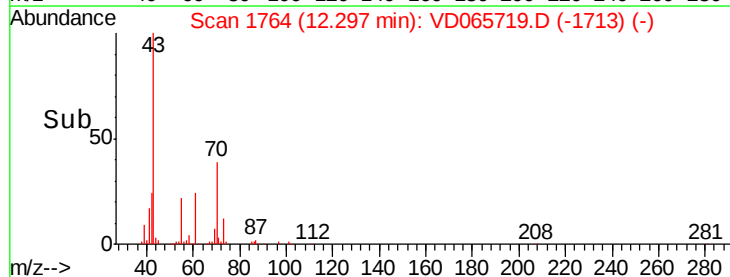
40000

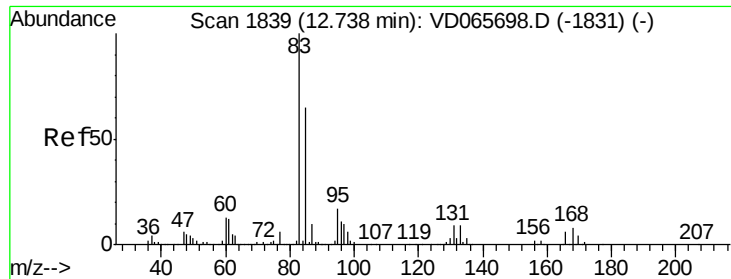
20000

0

12.20 12.30 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.810 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

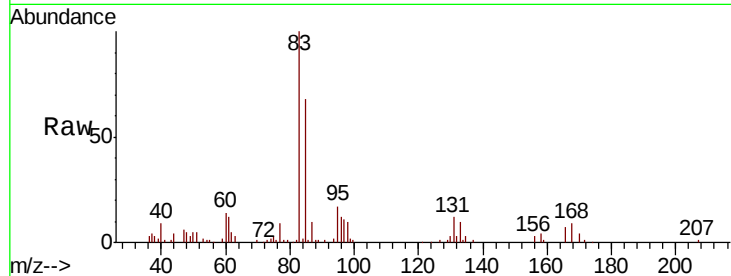
Tot Ion: 83 Resp: 61109

Ion Ratio Lower Upper

83 100

131 11.6 5.5 16.7

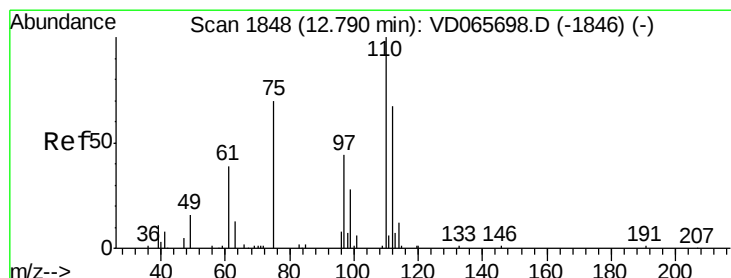
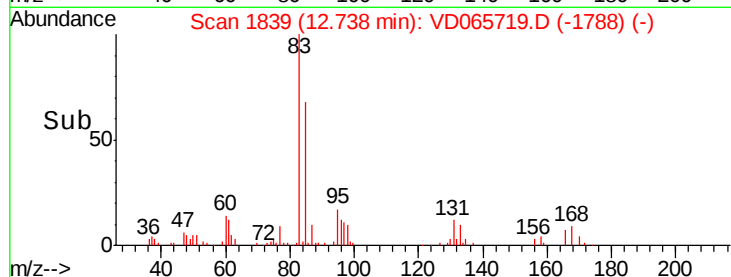
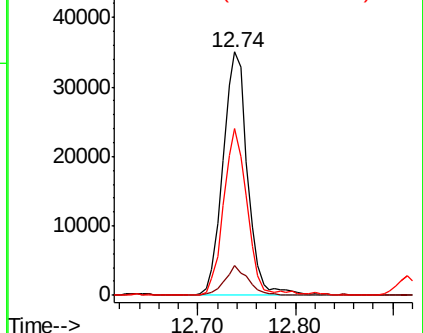
85 65.8 31.9 95.9



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: 36.935 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065719.D

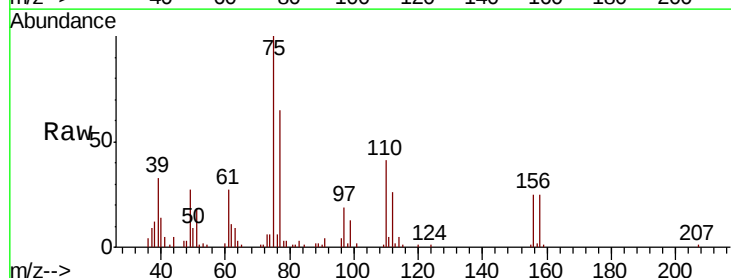
Acq: 08 May 2020 12:28

Tgt Ion: 75 Resp: 79765

Ion Ratio Lower Upper

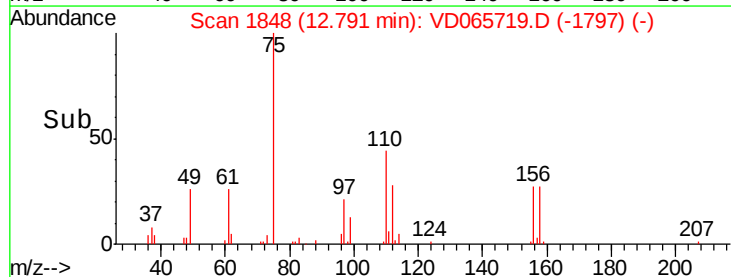
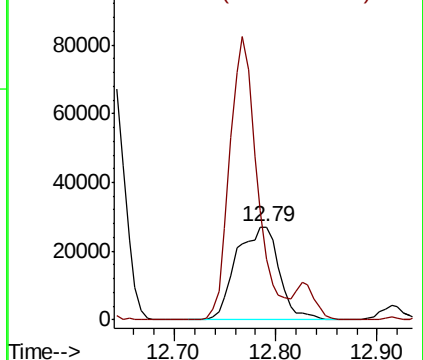
75 100

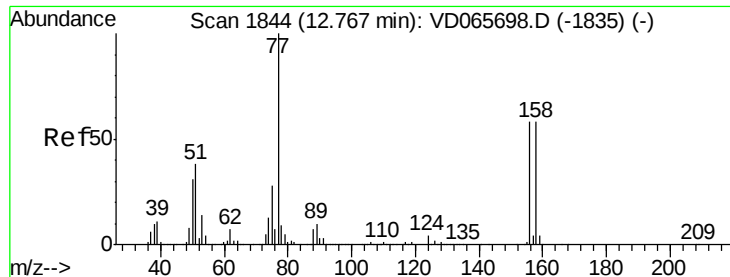
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.907 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

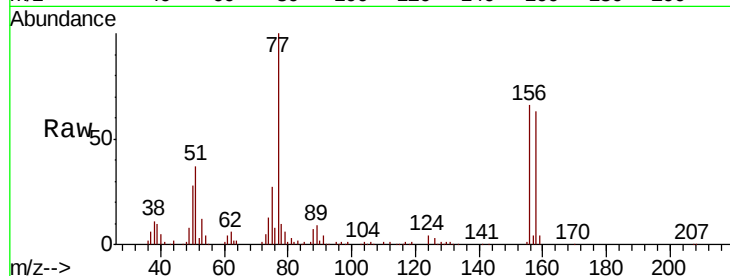
Tot Ion:156 Resp: 92879

Ion Ratio Lower Upper

156 100

77 169.5 92.9 278.7

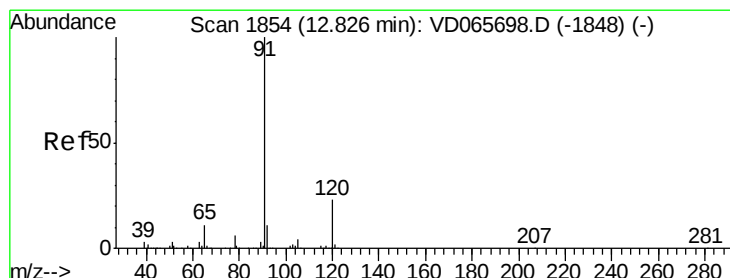
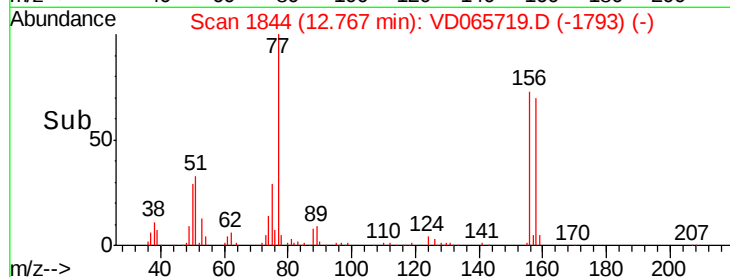
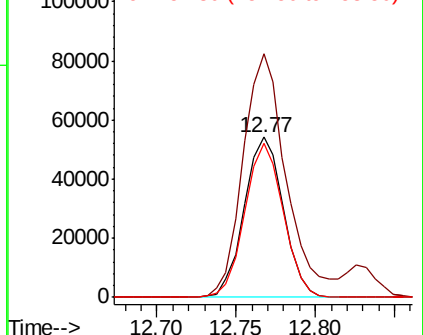
158 94.5 48.9 146.7



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: 19.462 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065719.D

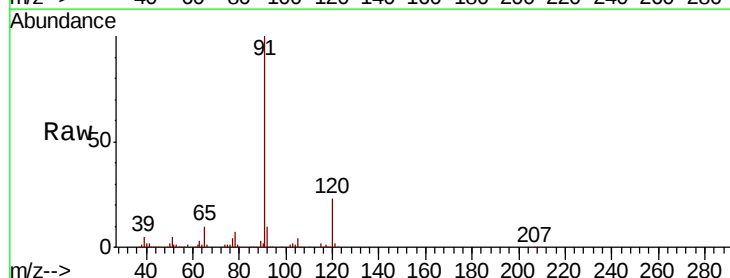
Acq: 08 May 2020 12:28

Tgt Ion: 91 Resp: 443960

Ion Ratio Lower Upper

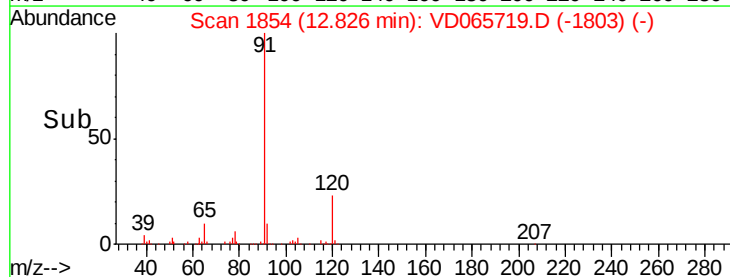
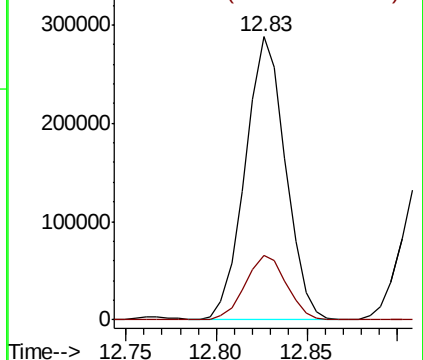
91 100

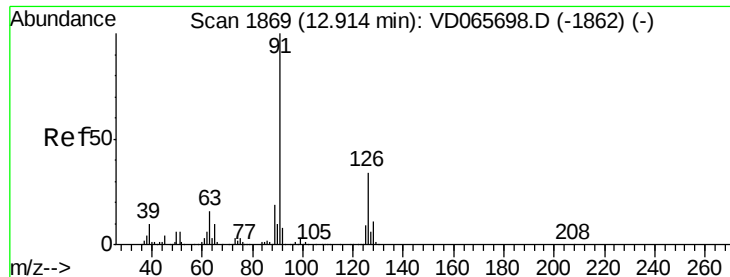
120 23.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.161 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

Instrument :

MSVOA_D

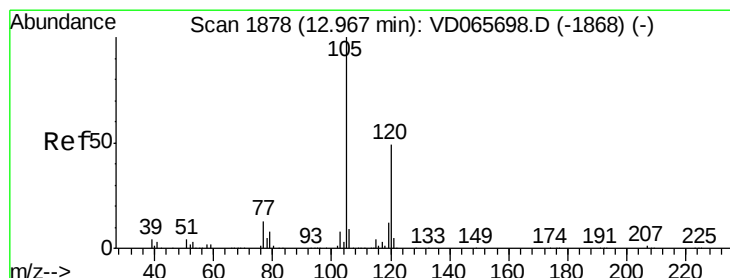
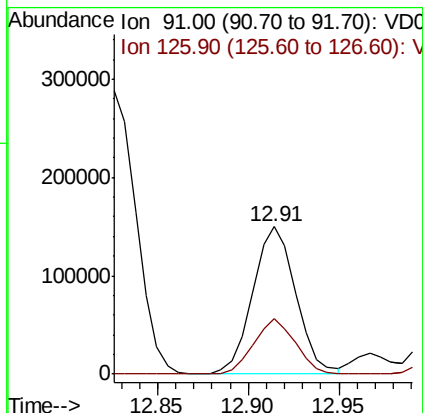
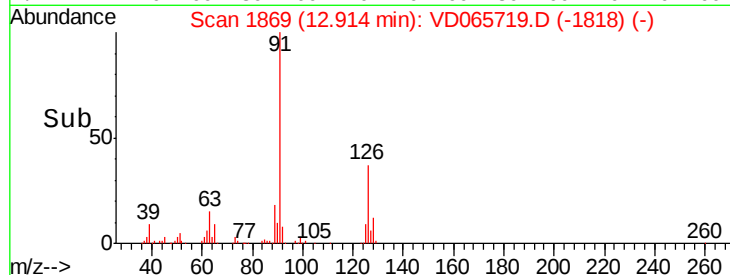
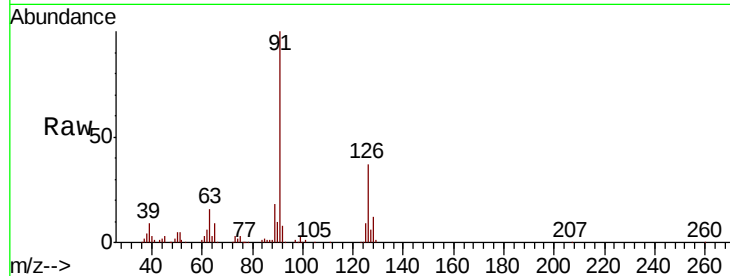
ClientSampleId :

Tot Ion: 91 Resp: 246957

Ion Ratio Lower Upper

91 100

126 36.4 16.9 50.6



#80

1,3,5-Trimethylbenzene

Concen: 19.683 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065719.D

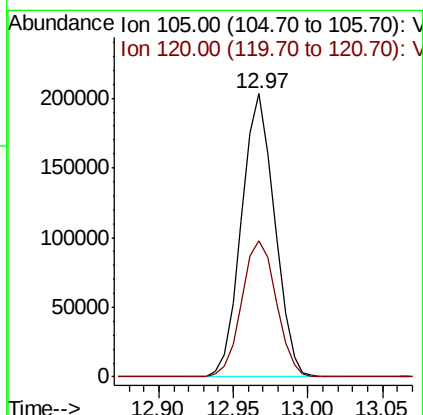
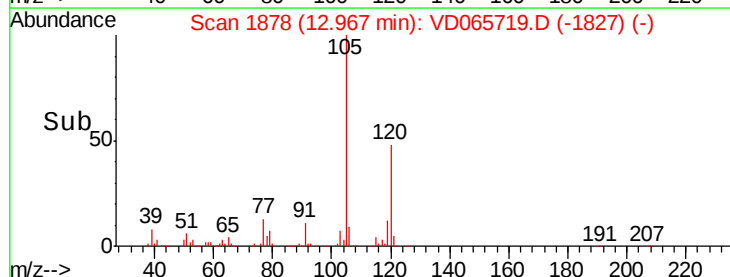
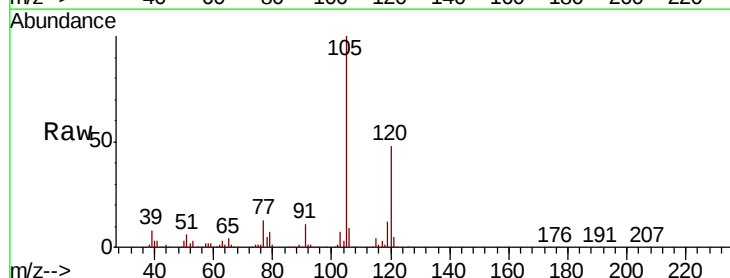
Acq: 08 May 2020 12:28

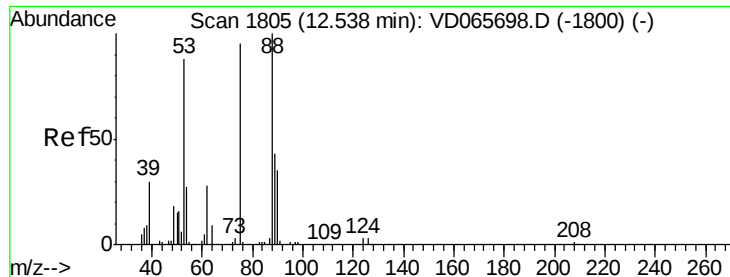
Tgt Ion:105 Resp: 313081

Ion Ratio Lower Upper

105 100

120 50.2 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.637 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

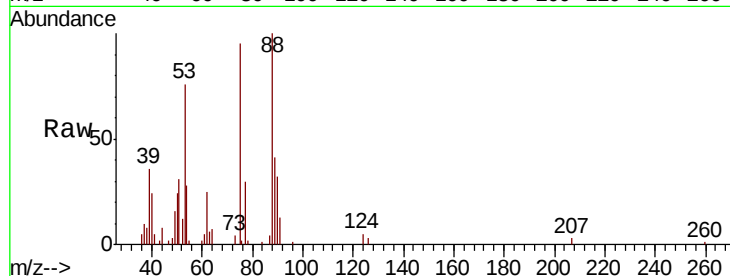
Tot Ion: 75 Resp: 22737

Ion Ratio Lower Upper

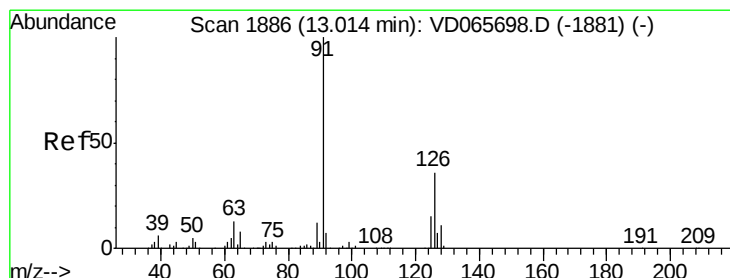
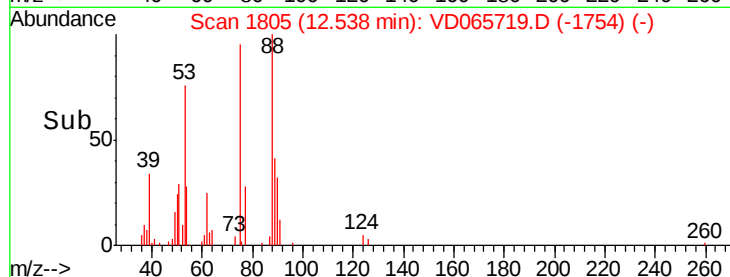
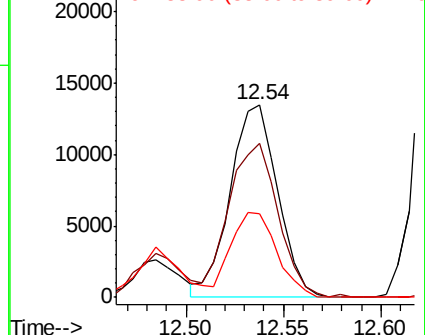
75 100

53 83.1 75.8 113.8

89 42.2 36.2 54.2



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



#82

4-Chlorotoluene

Concen: 19.115 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065719.D

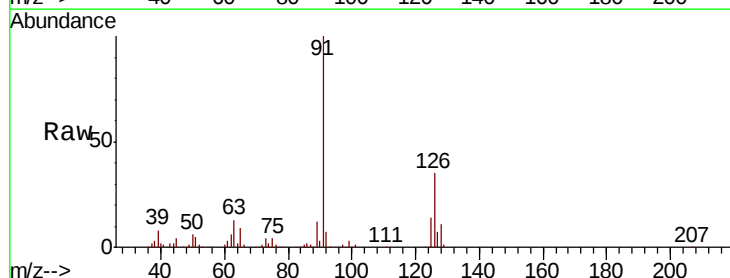
Acq: 08 May 2020 12:28

Tgt Ion: 91 Resp: 257804

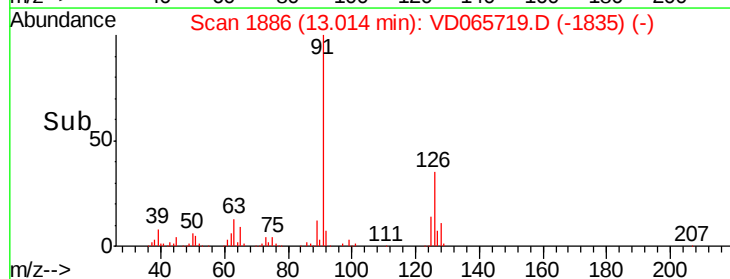
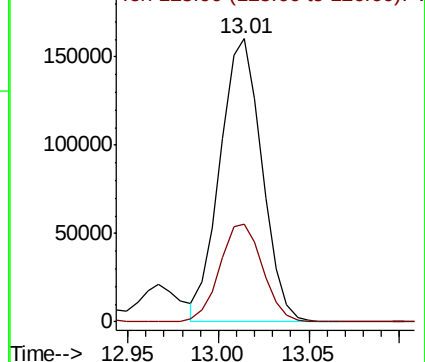
Ion Ratio Lower Upper

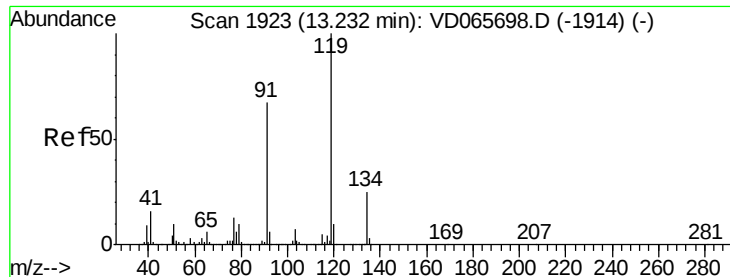
91 100

126 35.5 17.1 51.3



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





#83

tert-Butylbenzene

Concen: 20.396 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

Instrument :

MSVOA_D

ClientSampled :

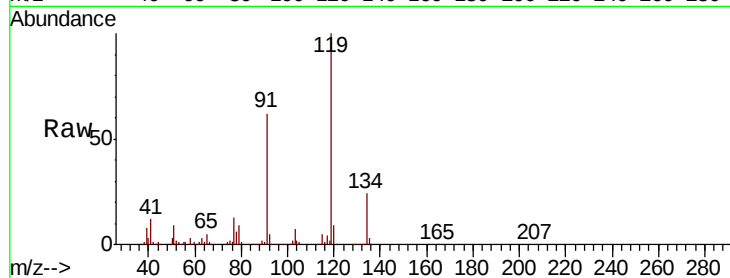
Tot Ion:119 Resp: 276140

Ion Ratio Lower Upper

119 100

91 63.5 33.6 100.8

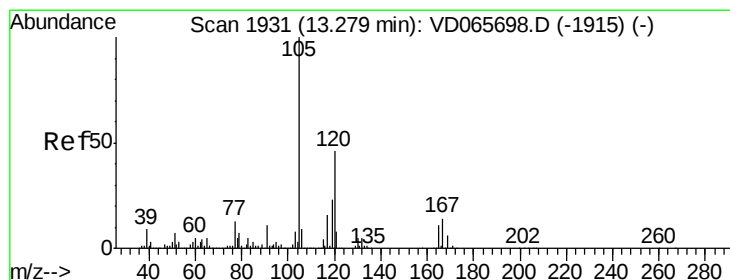
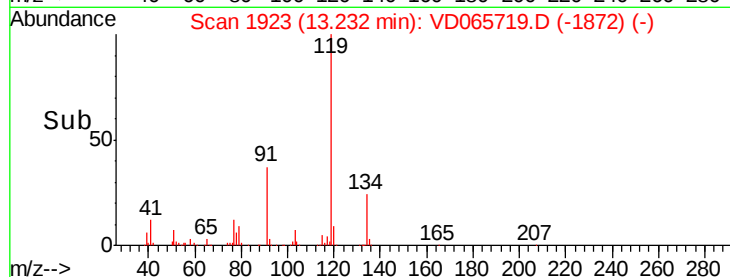
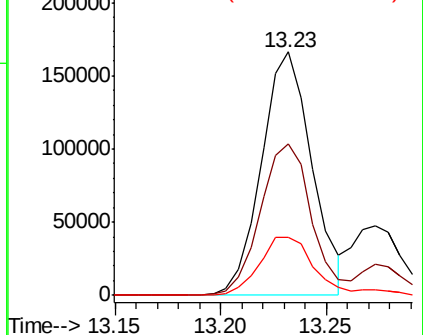
134 27.0 13.6 40.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.550 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.01 min

Lab File: VD065719.D

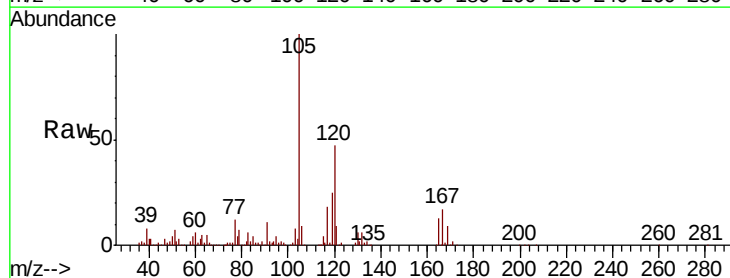
Acq: 08 May 2020 12:28

Tgt Ion:105 Resp: 309746

Ion Ratio Lower Upper

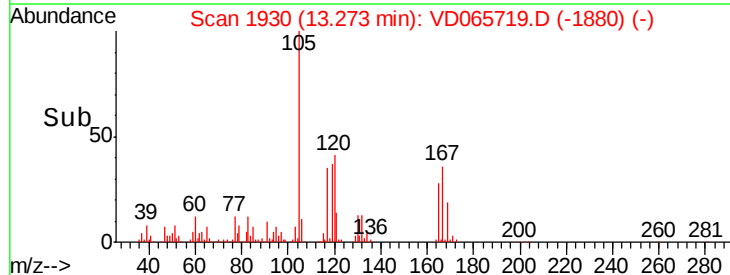
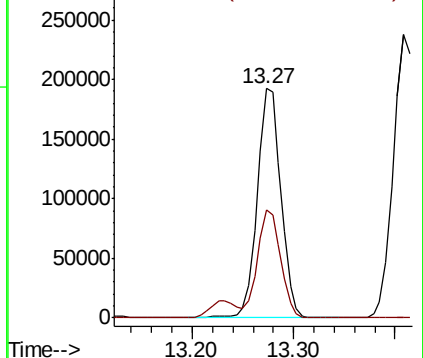
105 100

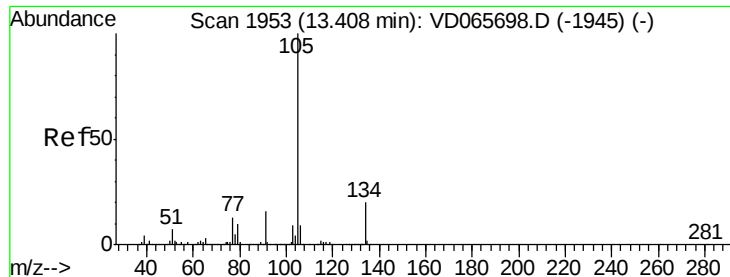
120 46.1 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

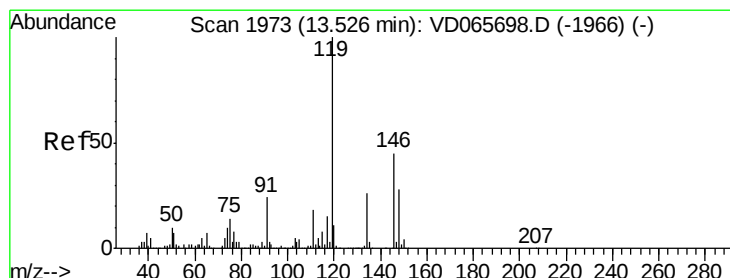
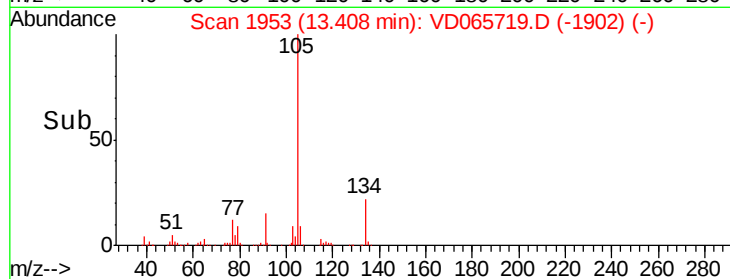
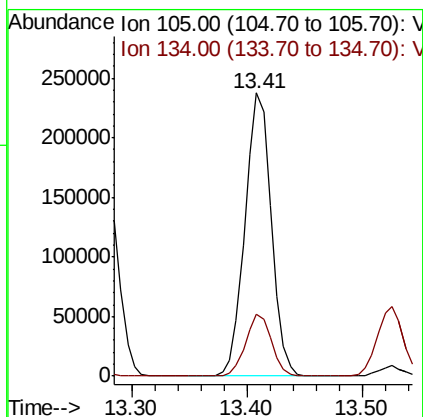
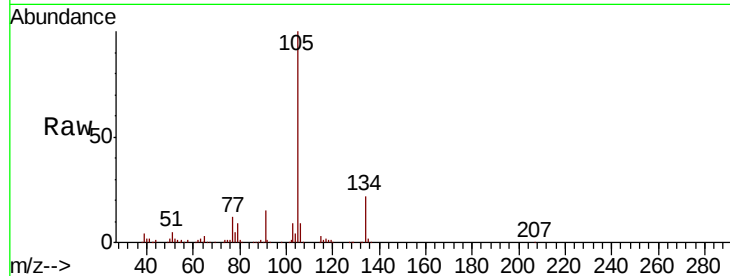




#85
 sec-Butylbenzene
 Concen: 19.791 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065719.D
 Acq: 08 May 2020 12:28

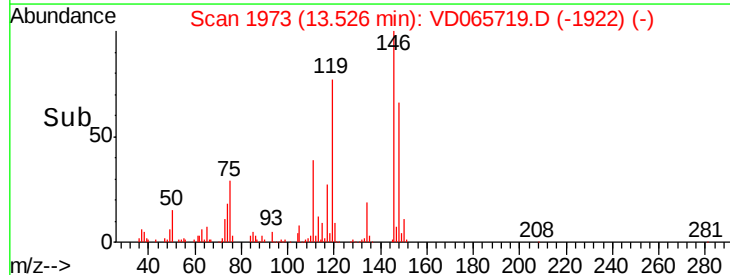
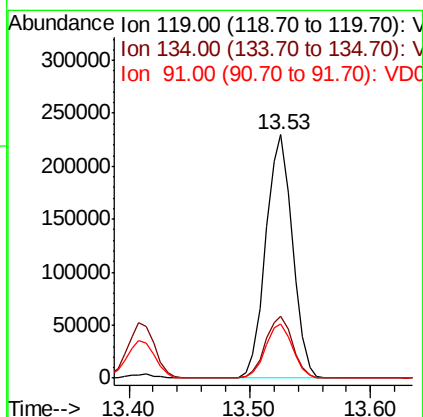
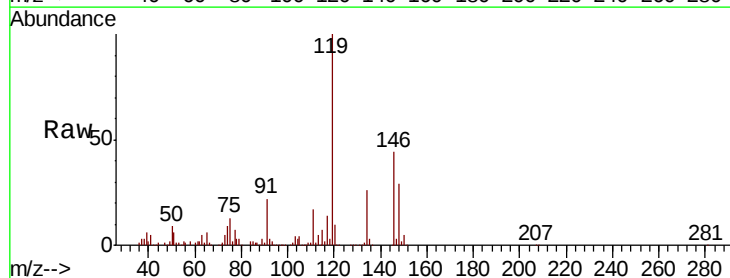
Instrument :
 MSVOA_D
 ClientSampled :

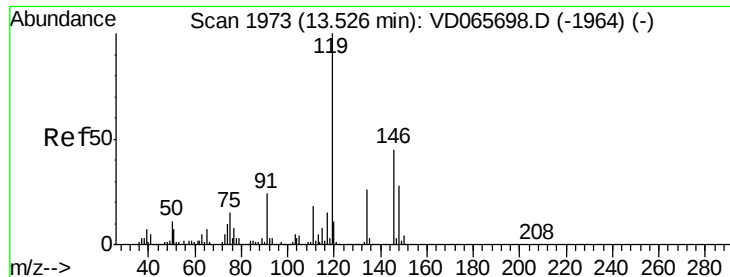
Tot Ion:105 Resp: 375860
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 20.254 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065719.D
 Acq: 08 May 2020 12:28

Tgt Ion:119 Resp: 350515
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.2 39.6
 91 22.8 12.0 36.1

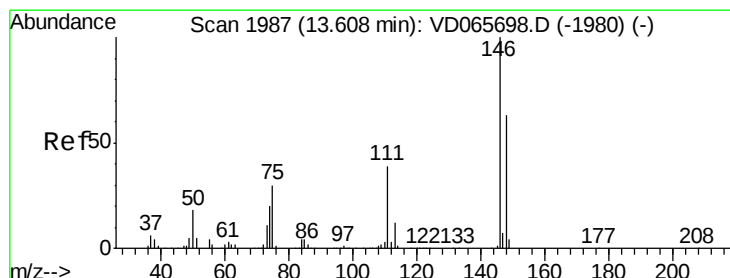
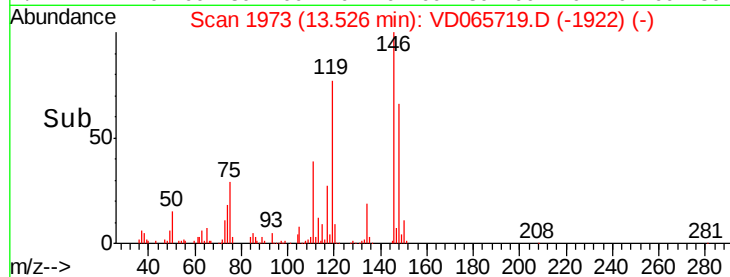
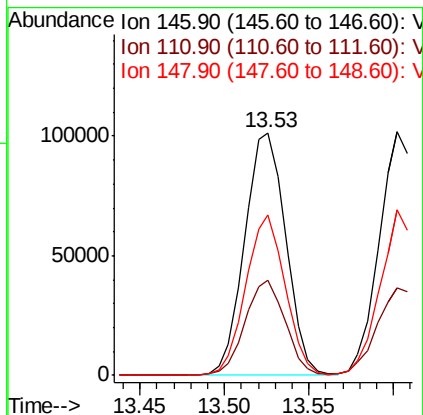
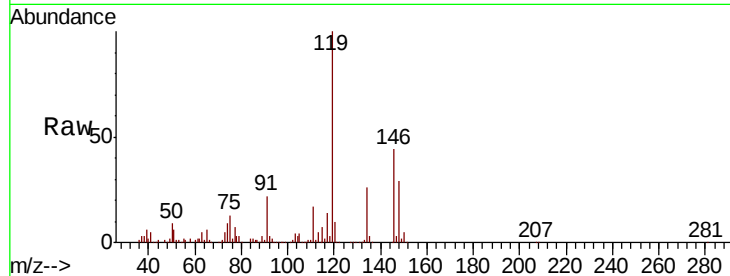




#87
 1,3-Dichlorobenzene
 Concen: 20.655 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065719.D
 Acq: 08 May 2020 12:28

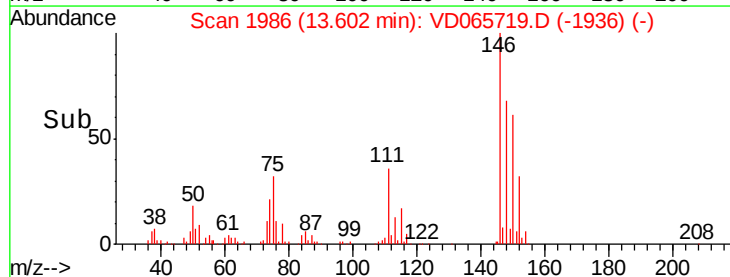
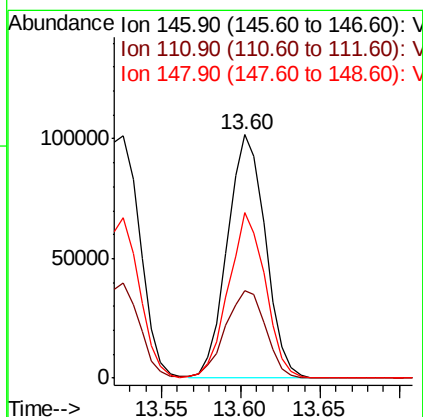
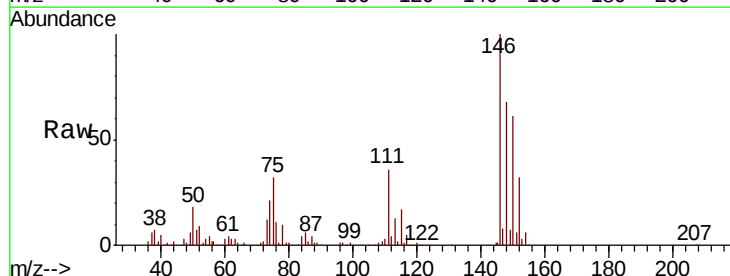
Instrument :
 MSVOA_D
 ClientSampled :

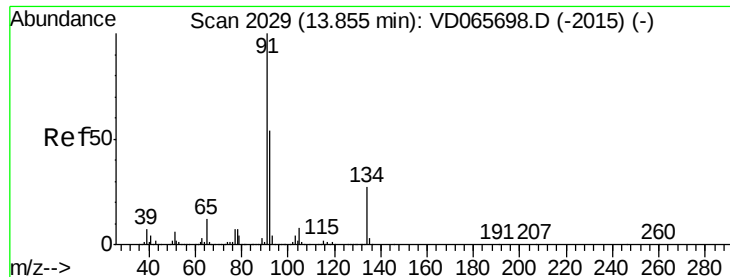
Tot Ion:146 Resp: 172472
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.6 58.8
 148 63.1 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 20.595 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065719.D
 Acq: 08 May 2020 12:28

Tgt Ion:146 Resp: 169668
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.6 58.7
 148 65.9 31.9 95.5





#89

n-Butylbenzene

Concen: 19.216 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. -0.01 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

Instrument :

MSVOA_D

ClientSampled :

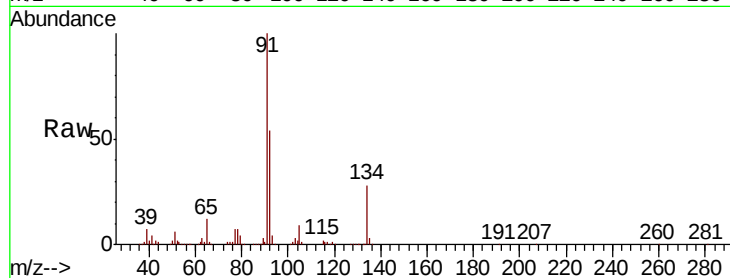
Tot Ion: 91 Resp: 322211

Ion Ratio Lower Upper

91 100

92 54.5 27.4 82.0

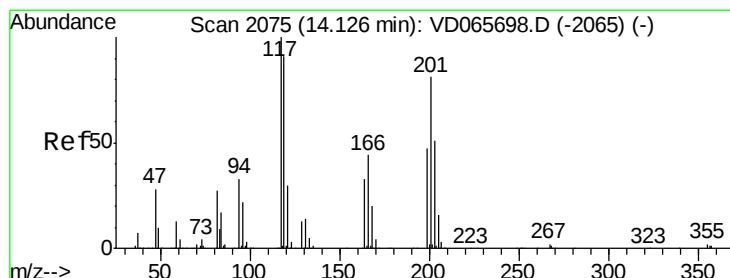
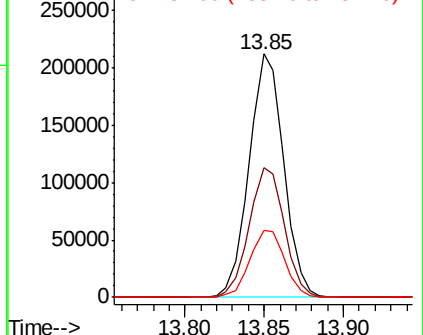
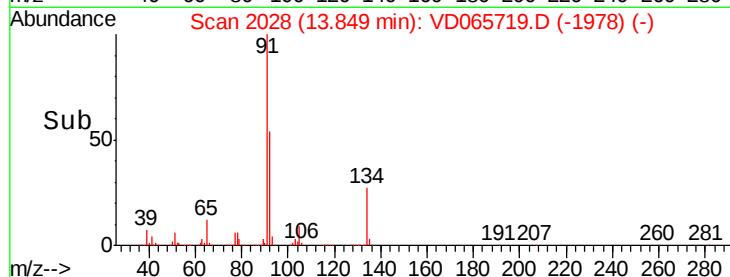
134 27.7 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.478 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.01 min

Lab File: VD065719.D

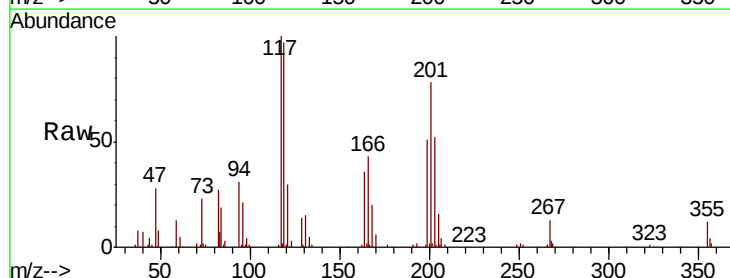
Acq: 08 May 2020 12:28

Tgt Ion: 117 Resp: 67139

Ion Ratio Lower Upper

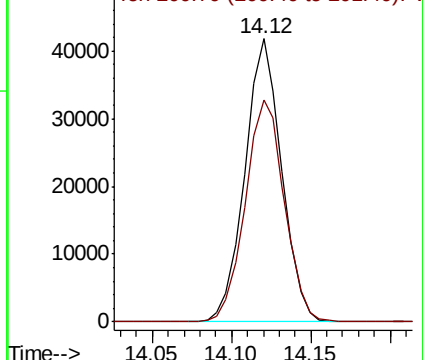
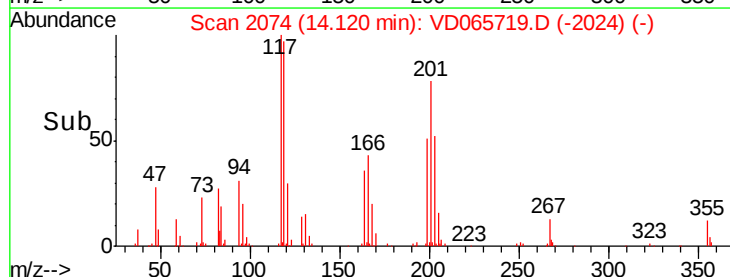
117 100

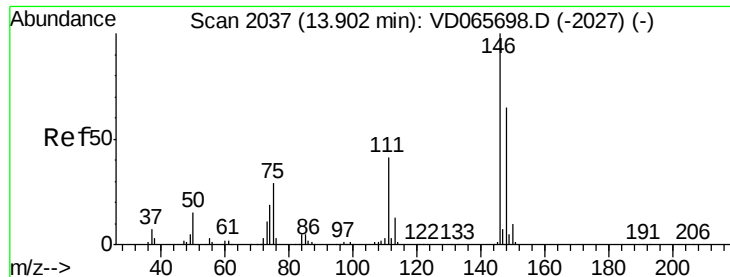
201 83.6 39.1 117.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

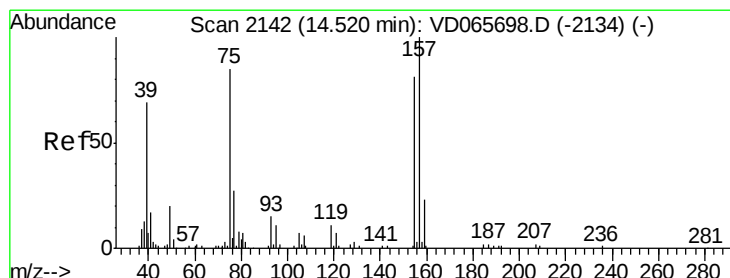
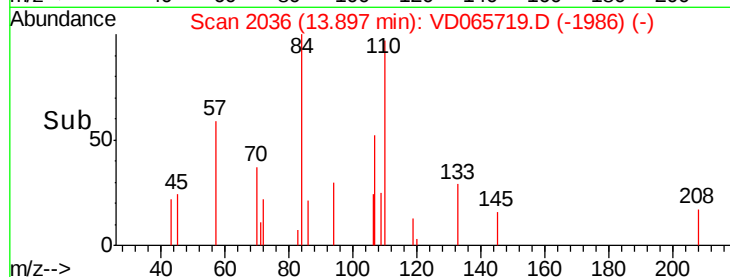
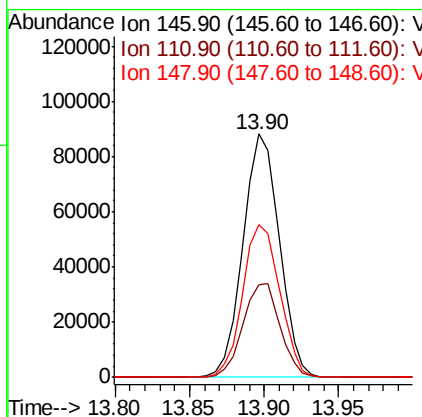
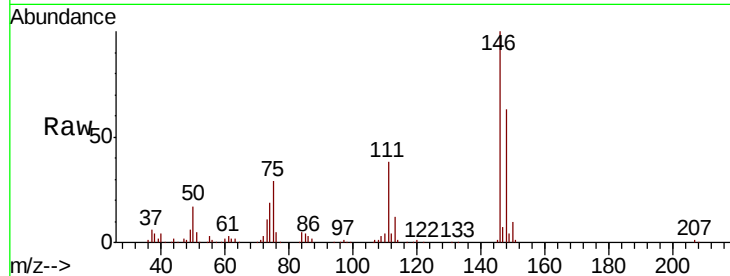




#91
 1,2-Dichlorobenzene
 Concen: 20.662 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065719.D
 Acq: 08 May 2020 12:28

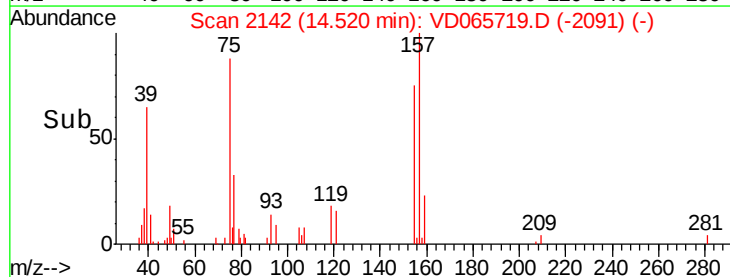
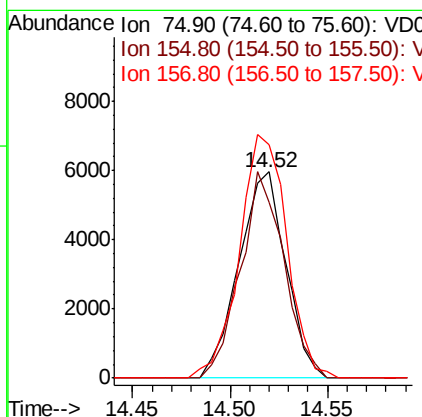
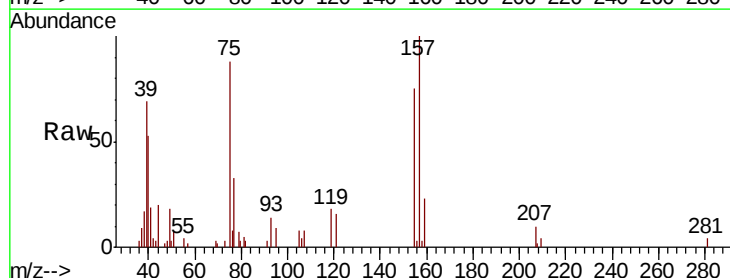
Instrument :
 MSVOA_D
 ClientSampled :

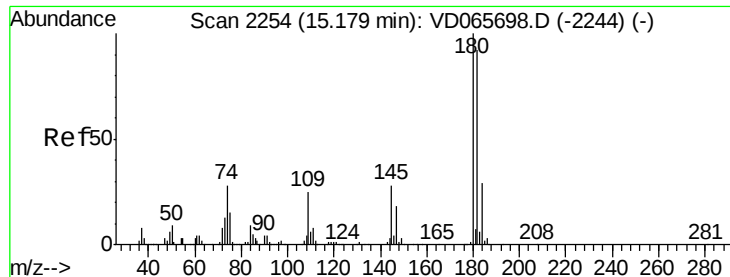
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.3	61.0
148	63.9	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.203 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065719.D
 Acq: 08 May 2020 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.8	43.5	130.5
157	119.0	54.5	163.6

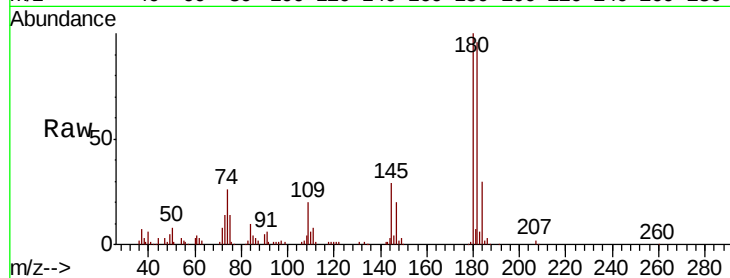




#93
 1,2,4-Trichlorobenzene
 Concen: 20.805 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065719.D
 Acq: 08 May 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.0	141.0
145	29.3	14.8	44.3

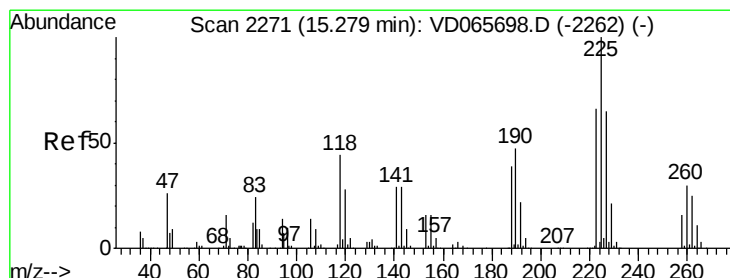
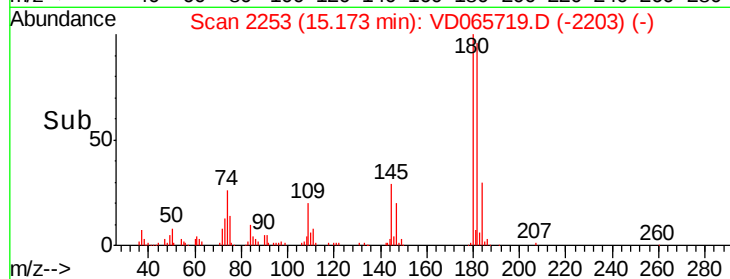
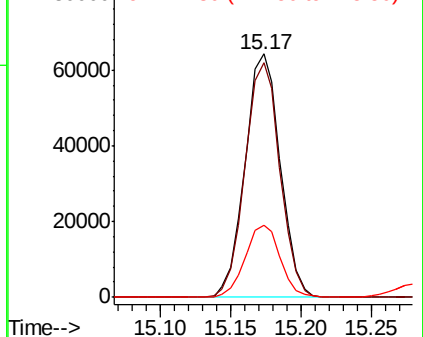


Abundance

Ion 179.80 (179.50 to 180.50): V

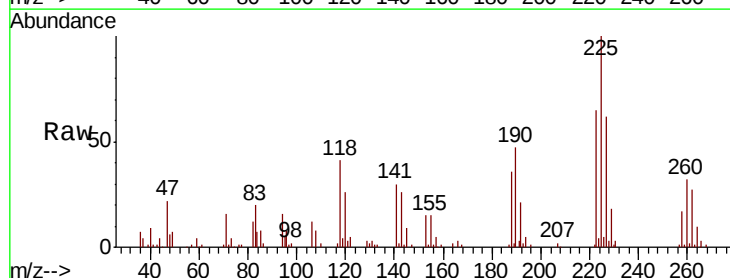
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.576 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065719.D
 Acq: 08 May 2020 12:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.8	95.3
227	61.5	31.6	94.8

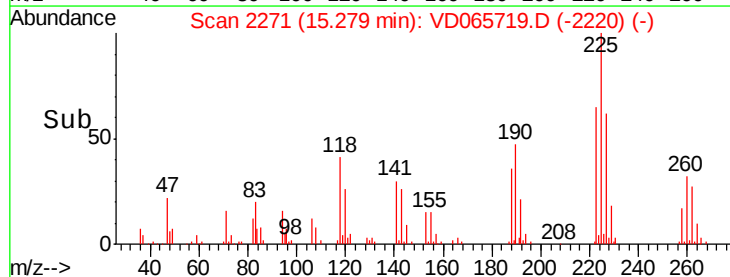
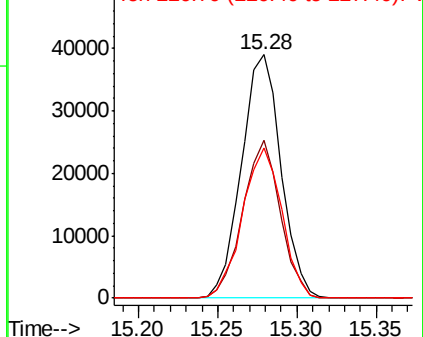


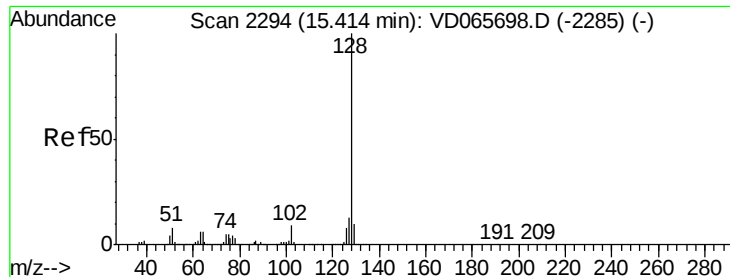
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.256 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

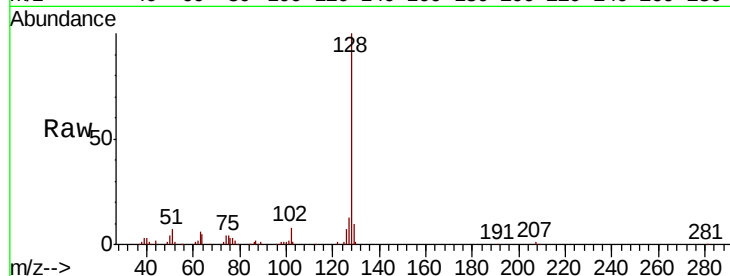
Tot Ion:128 Resp: 182985

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

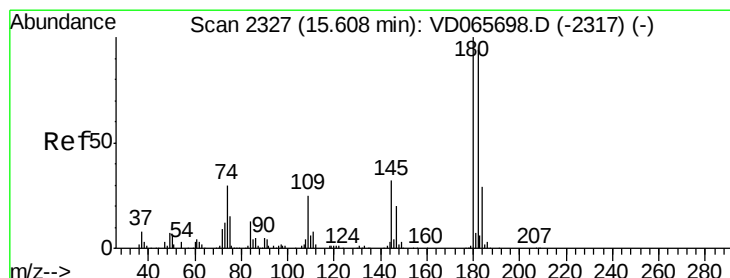
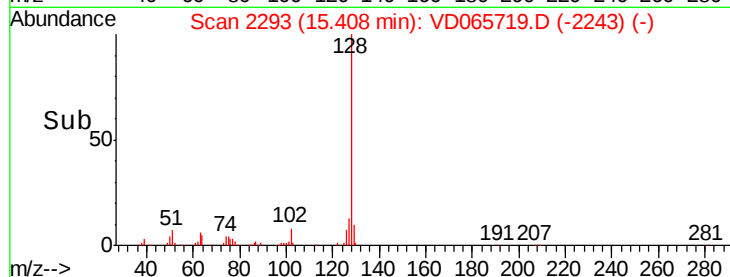
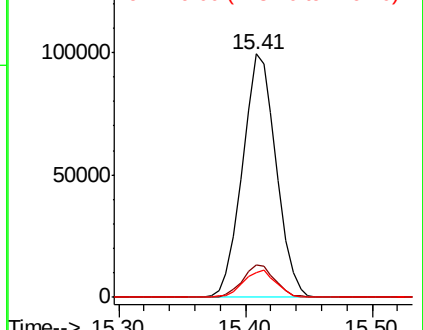
129 10.8 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.608 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065719.D

Acq: 08 May 2020 12:28

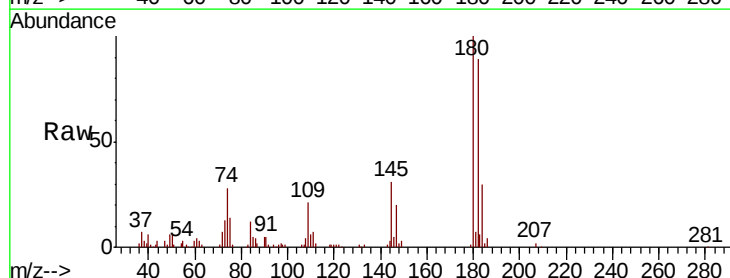
Tgt Ion:180 Resp: 94764

Ion Ratio Lower Upper

180 100

182 95.8 46.9 140.6

145 31.9 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

