

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050820\
 Data File : VD065723.D
 Acq On : 08 May 2020 14:48
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 09 03:49:44 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	7.98	168	383703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	562693	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	491634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	241622	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	171337	44.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.16%	
35) Dibromofluoromethane	7.91	113	177828	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.34	98	691472	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
62) 4-Bromofluorobenzene	12.64	95	229006	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	148564	49.365	ug/l	99
3) Chloromethane	2.21	50	196124	51.672	ug/l	100
4) Vinyl Chloride	2.35	62	215913	56.143	ug/l	97
5) Bromomethane	2.77	94	138002	56.858	ug/l	97
6) Chloroethane	2.92	64	137976	55.853	ug/l	93
7) Trichlorofluoromethane	3.27	101	307361	50.103	ug/l	97
8) Diethyl Ether	3.71	74	86042	44.769	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.10	101	187465	50.342	ug/l	97
10) Methyl Iodide	4.30	142	202701	55.492	ug/l	97
11) Tert butyl alcohol	5.22	59	61133	207.617	ug/l	98
12) 1,1-Dichloroethene	4.07	96	178793	48.852	ug/l	97
13) Acrolein	3.93	56	55081	174.414	ug/l	95
14) Allyl chloride	4.71	41	305245	41.837	ug/l	96
15) Acrylonitrile	5.42	53	185963	205.809	ug/l	99
16) Acetone	4.16	43	223993	272.970	ug/l	96
17) Carbon Disulfide	4.41	76	571288	47.468	ug/l	97
18) Methyl Acetate	4.71	43	82901	40.632	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	406819	45.843	ug/l	95
20) Methylene Chloride	4.96	84	191650	46.364	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	201439	48.079	ug/l	96
22) Diisopropyl ether	6.36	45	591255	43.577	ug/l	98
23) Vinyl Acetate	6.31	43	1738609	212.159	ug/l	97
24) 1,1-Dichloroethane	6.26	63	341635	45.964	ug/l	98
25) 2-Butanone	7.21	43	266769	219.169	ug/l	99
26) 2,2-Dichloropropane	7.21	77	317805	47.490	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	217353	47.809	ug/l	96
28) Bromochloromethane	7.55	49	134707	43.454	ug/l	89
29) Tetrahydrofuran	7.56	42	160461	204.534	ug/l	95
30) Chloroform	7.71	83	339674	47.490	ug/l	99
31) Cyclohexane	7.98	56	335160	43.579	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	320969	48.410	ug/l	99
36) 1,1-Dichloropropene	8.11	75	276566	49.491	ug/l	95
37) Ethyl Acetate	7.30	43	115023	42.747	ug/l	98
38) Carbon Tetrachloride	8.10	117	294557	53.163	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	363884	51.867	ug/l	95
40) Benzene	8.36	78	762479	49.960	ug/l	99
41) Methacrylonitrile	7.53	41	65834	42.418	ug/l	95
42) 1,2-Dichloroethane	8.43	62	209018	47.595	ug/l	98
43) Isopropyl Acetate	8.46	43	233315	43.360	ug/l	97
44) Trichloroethene	9.11	130	224616	53.406	ug/l	99
45) 1,2-Dichloropropane	9.39	63	189865	48.106	ug/l	100
46) Dibromomethane	9.48	93	98444	49.725	ug/l	94
47) Bromodichloromethane	9.67	83	262766	49.633	ug/l	98
48) Methyl methacrylate	9.46	41	114878	42.638	ug/l	93
49) 1,4-Dioxane	9.46	88	23065	950.438	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	563914	217.453	ug/l	98
52) Toluene	10.41	92	498990	51.702	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	260046	48.494	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	307262	48.638	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	134151	50.264	ug/l	96
56) Ethyl methacrylate	10.67	69	181668	47.142	ug/l	92
57) 1,3-Dichloropropane	10.95	76	235344	49.048	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	395648	223.641	ug/l	97
59) 2-Hexanone	10.99	43	408904	229.251	ug/l	98
60) Dibromochloromethane	11.14	129	183237	51.109	ug/l	100
61) 1,2-Dibromoethane	11.25	107	132544	49.358	ug/l	99
64) Tetrachloroethene	10.88	164	191483	54.729	ug/l	96
65) Chlorobenzene	11.67	112	523815	52.883	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	193858	52.491	ug/l	98
67) Ethyl Benzene	11.75	91	951560	51.495	ug/l	98
68) m/p-Xylenes	11.86	106	728250	105.715	ug/l	96
69) o-Xylene	12.18	106	334293	52.005	ug/l	97
70) Styrene	12.20	104	573689	51.908	ug/l	98
71) Bromoform	12.37	173	109166	52.533	ug/l #	100
73) Isopropylbenzene	12.48	105	924042	50.474	ug/l	99
74) N-amyl acetate	12.30	43	221367	42.356	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	144841	47.181	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	193370	94.755	ug/l #	100
77) Bromobenzene	12.77	156	219631	52.318	ug/l	91
78) n-propylbenzene	12.83	91	1078149	50.015	ug/l	99
79) 2-Chlorotoluene	12.91	91	595989	48.935	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	757591	50.405	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	51950	45.062	ug/l	97
82) 4-Chlorotoluene	13.01	91	616621	48.382	ug/l	97
83) tert-Butylbenzene	13.23	119	660646	51.639	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	742952	49.623	ug/l	99
85) sec-Butylbenzene	13.41	105	928374	51.732	ug/l	98
86) p-Isopropyltoluene	13.53	119	855598	52.319	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	402166	50.970	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	409150	52.558	ug/l	99
89) n-Butylbenzene	13.86	91	807099	50.939	ug/l	99
90) Hexachloroethane	14.12	117	168670	51.783	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	355421	52.202	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	22866	44.313	ug/l	88

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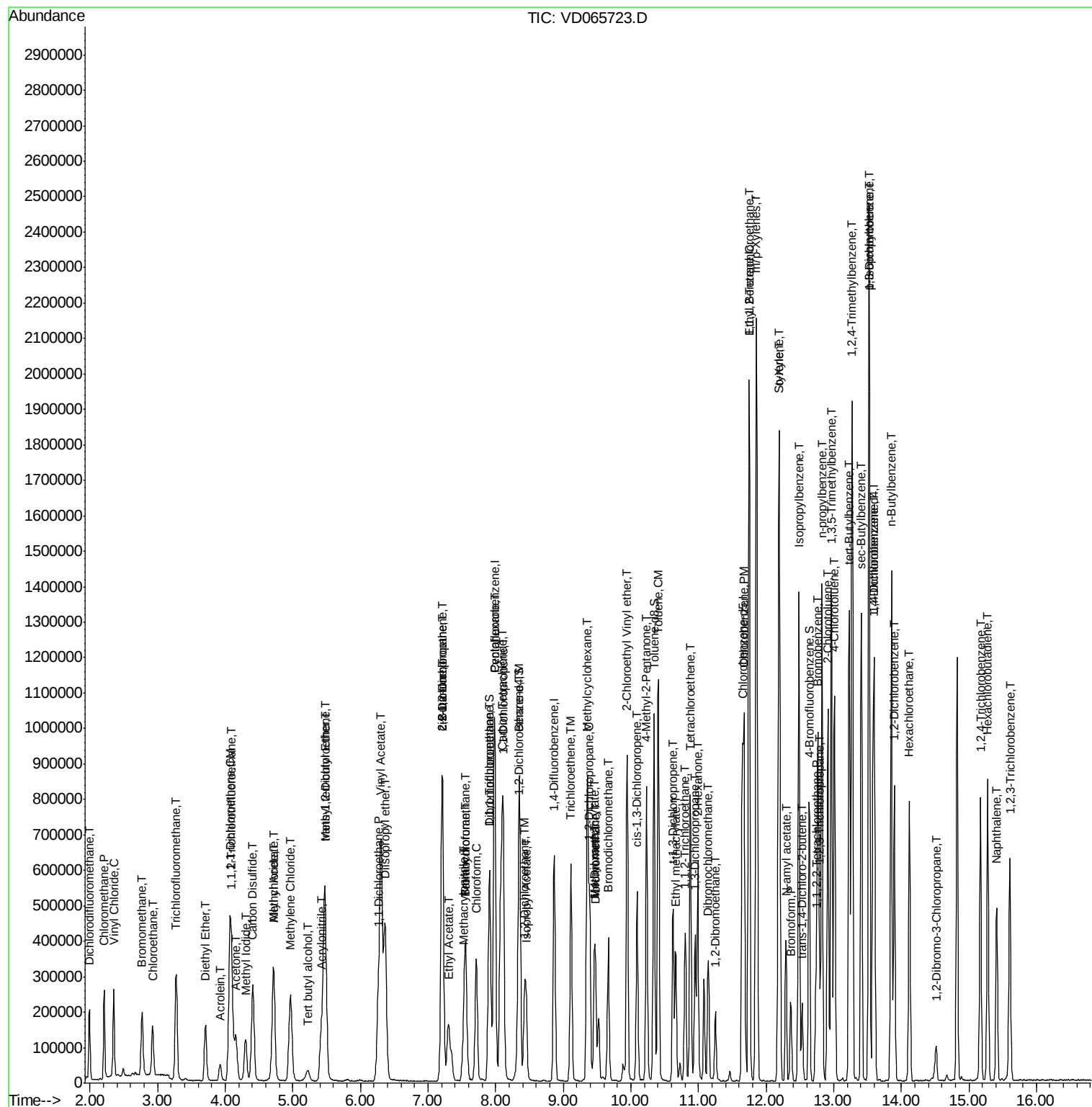
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	272688	53.381	ug/l	99
94) Hexachlorobutadiene	15.28	225	167650	56.629	ug/l	99
95) Naphthalene	15.41	128	444780	49.532	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	230743	53.101	ug/l	99

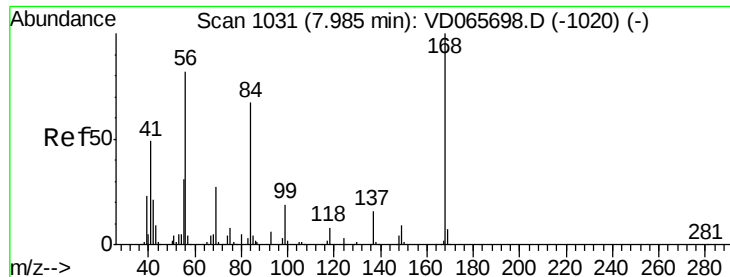
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

Instrument :

MSVOA_D

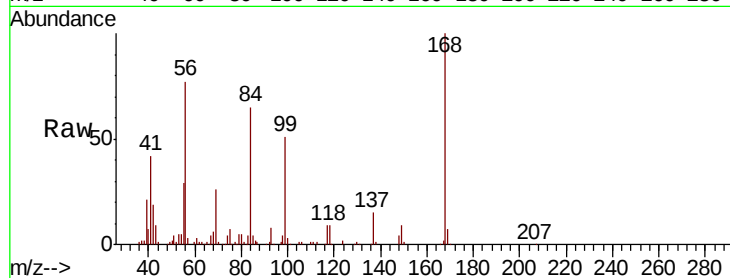
ClientSampled :

Tot Ion:168 Resp: 383703

Ion Ratio Lower Upper

168 100

99 51.3 44.2 66.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

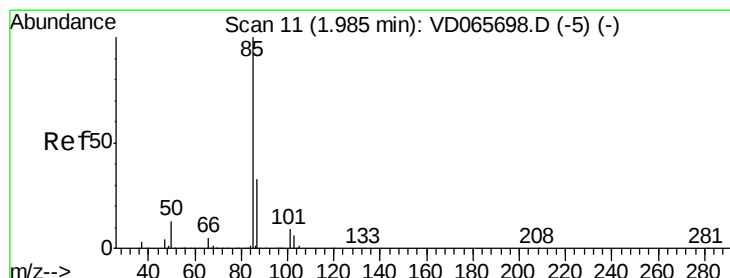
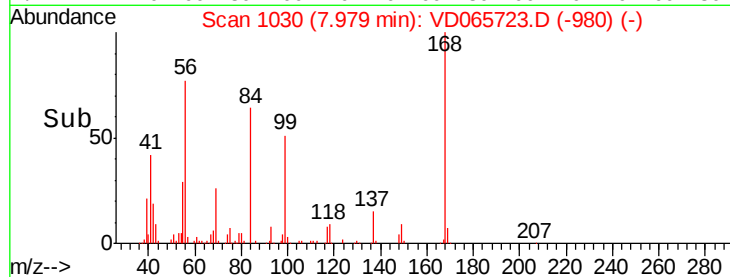
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.365 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD065723.D

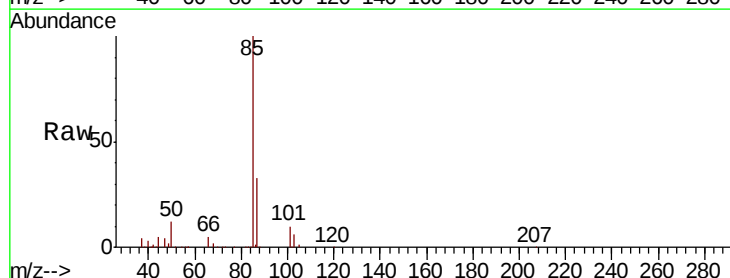
Acq: 08 May 2020 14:48

Tgt Ion: 85 Resp: 148564

Ion Ratio Lower Upper

85 100

87 33.5 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

120000

100000

80000

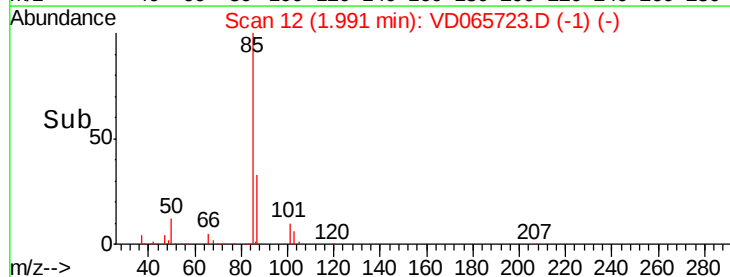
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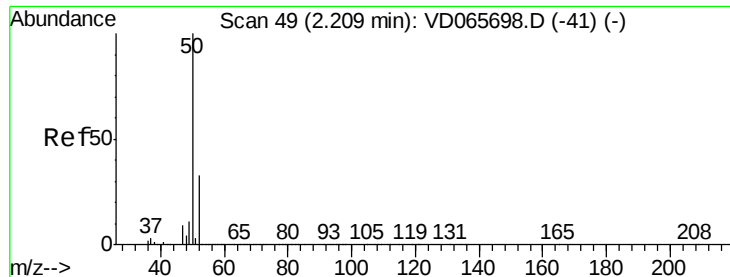
40000

20000

0

Time-->





#3

Chloromethane

Concen: 51.672 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

Instrument :

MSVOA_D

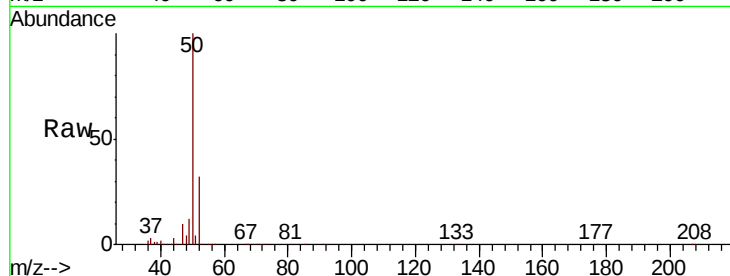
ClientSampleId :

Tot Ion: 50 Resp: 196124

Ion Ratio Lower Upper

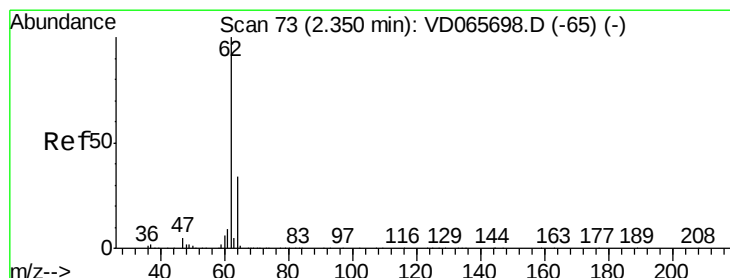
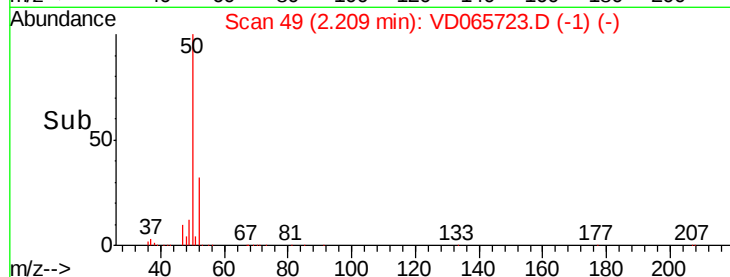
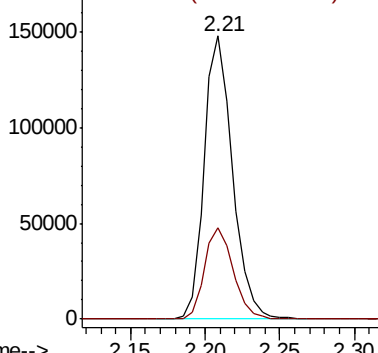
50 100

52 32.3 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 56.143 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065723.D

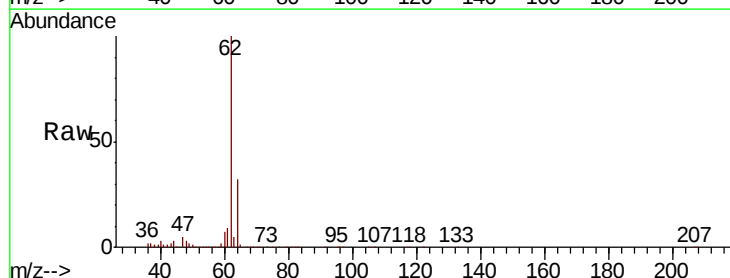
Acq: 08 May 2020 14:48

Tgt Ion: 62 Resp: 215913

Ion Ratio Lower Upper

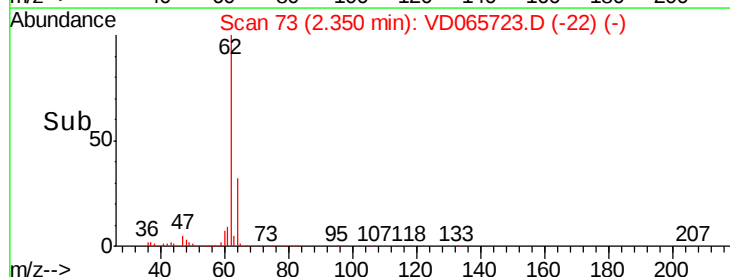
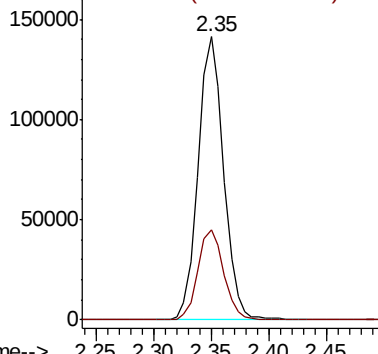
62 100

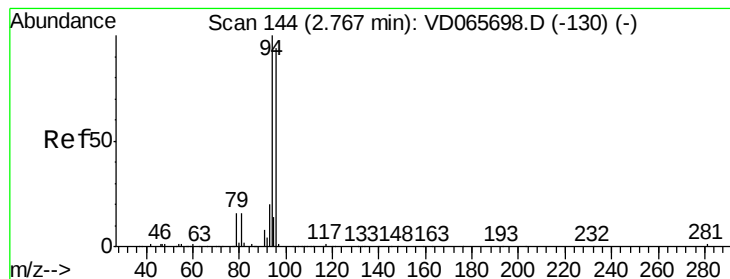
64 32.0 27.2 40.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 56.858 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

Instrument :

MSVOA_D

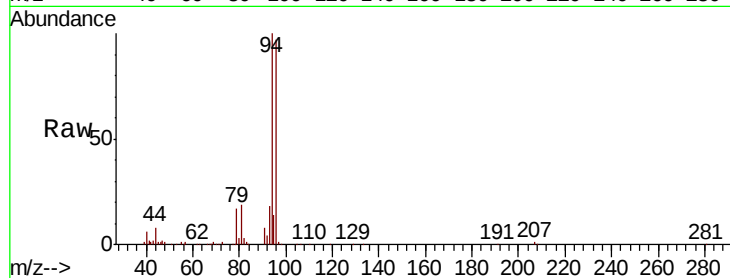
ClientSampleId :

Tot Ion: 94 Resp: 138002

Ion Ratio Lower Upper

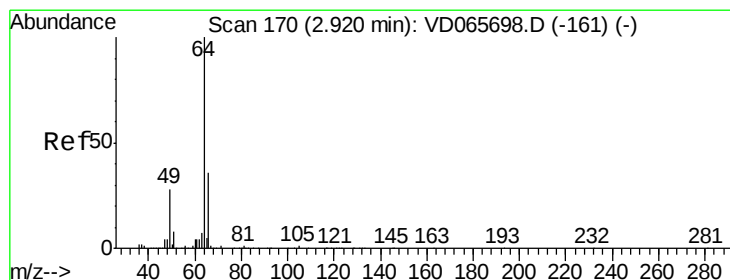
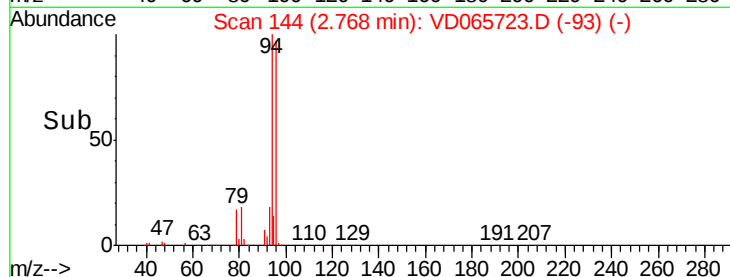
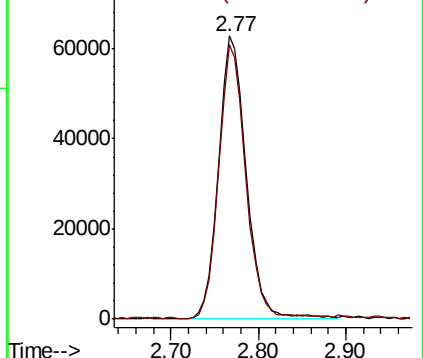
94 100

96 96.6 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: 55.853 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065723.D

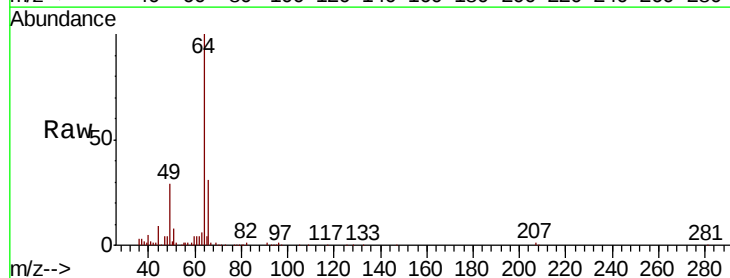
Acq: 08 May 2020 14:48

Tgt Ion: 64 Resp: 137976

Ion Ratio Lower Upper

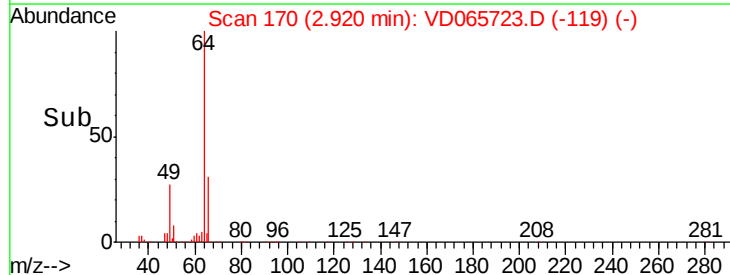
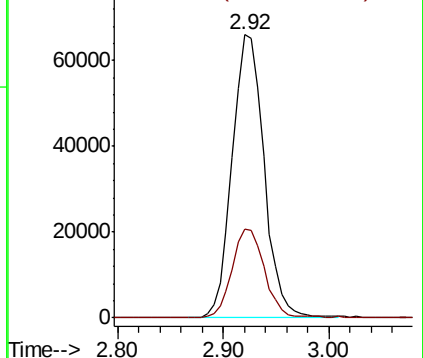
64 100

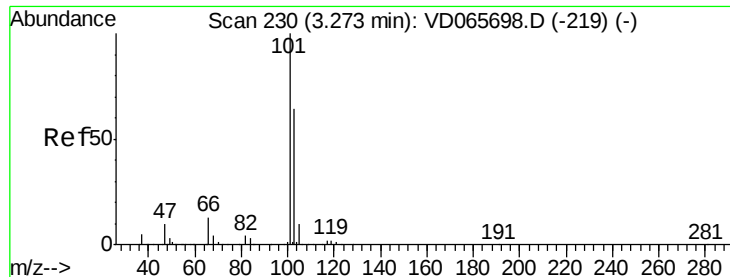
66 31.3 28.5 42.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



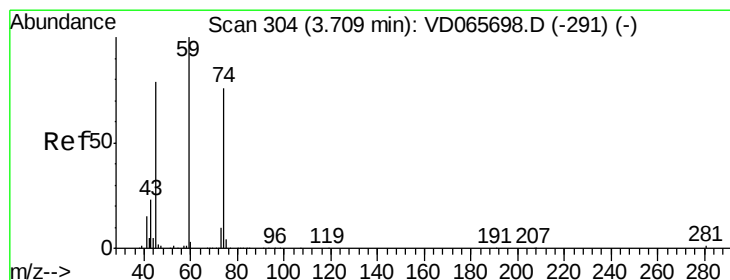
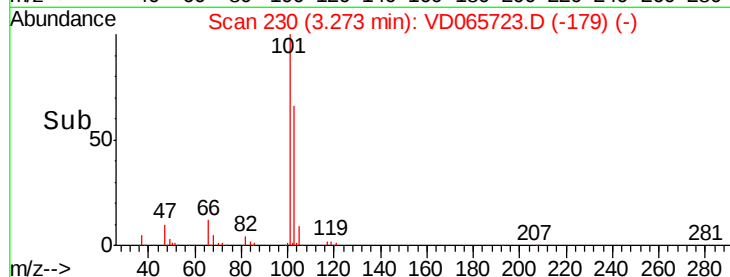
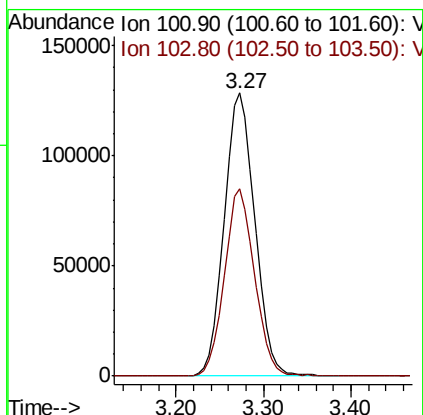
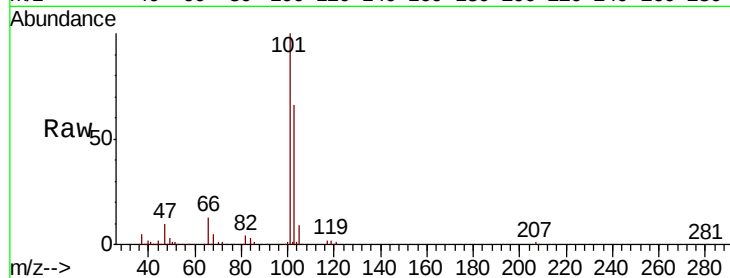


#7

Trichlorofluoromethane
 Concen: 50.103 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065723.D
 Acq: 08 May 2020 14:48

Instrument :
 MSVOA_D
 ClientSampleID :

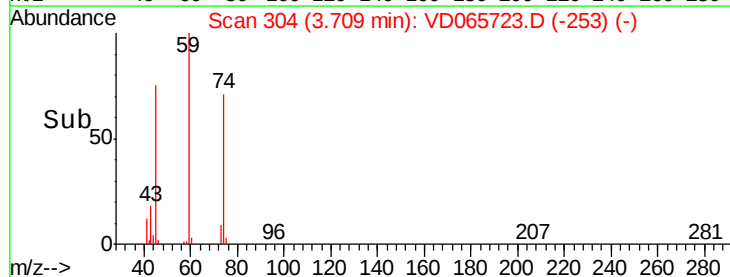
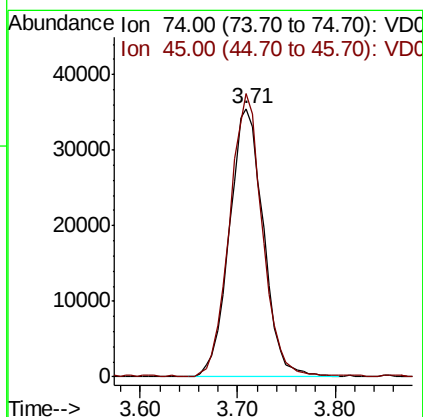
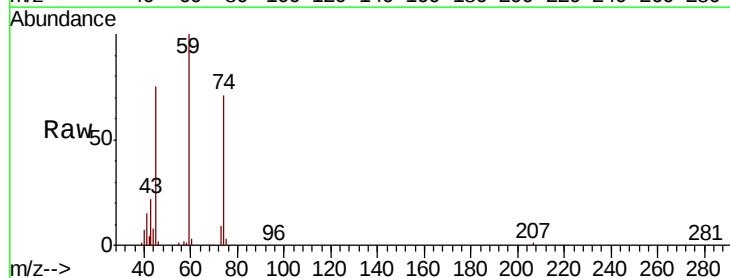
Tot Ion:101 Resp: 307361
 Ion Ratio Lower Upper
 101 100
 103 66.2 51.1 76.7

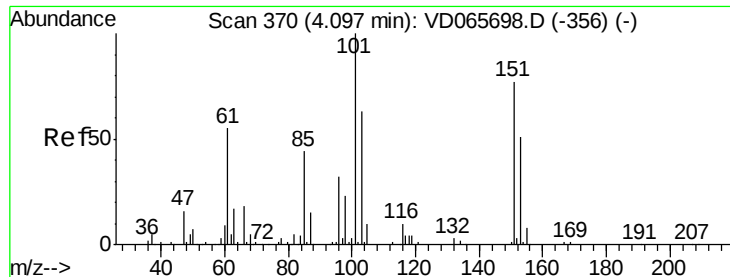


#8

Diethyl Ether
 Concen: 44.769 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065723.D
 Acq: 08 May 2020 14:48

Tgt Ion: 74 Resp: 86042
 Ion Ratio Lower Upper
 74 100
 45 102.1 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.342 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

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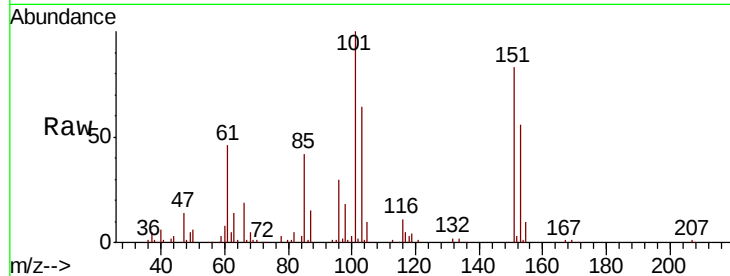
Tot Ion:101 Resp: 187465

Ion Ratio Lower Upper

101 100

85 43.2 34.4 51.6

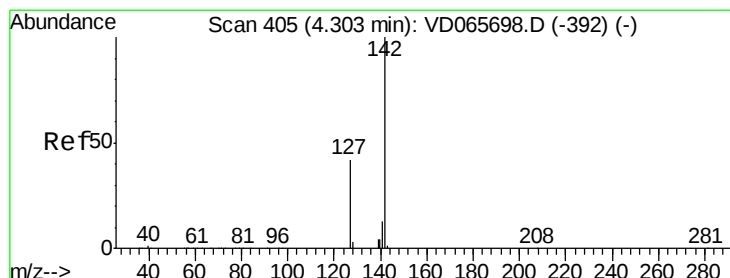
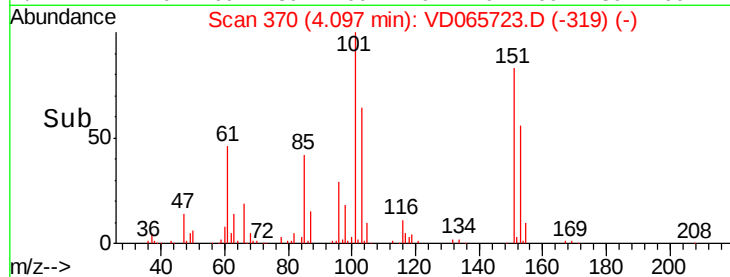
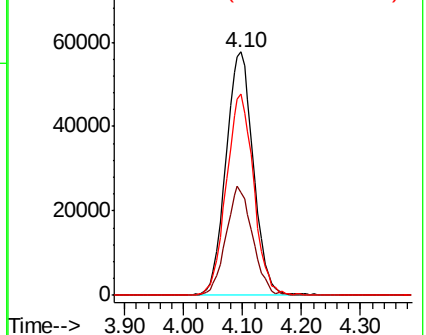
151 82.1 63.0 94.4



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: 55.492 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

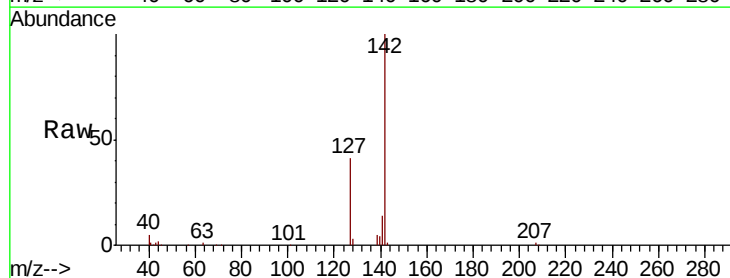
Tgt Ion:142 Resp: 202701

Ion Ratio Lower Upper

142 100

127 41.2 34.5 51.7

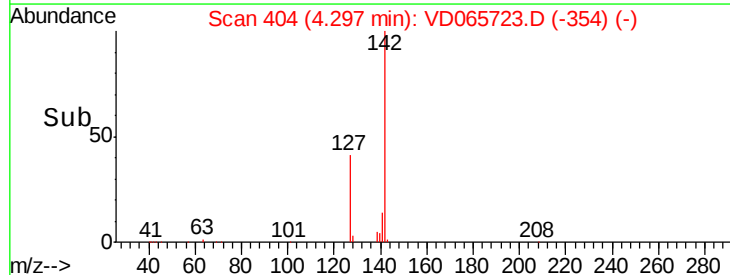
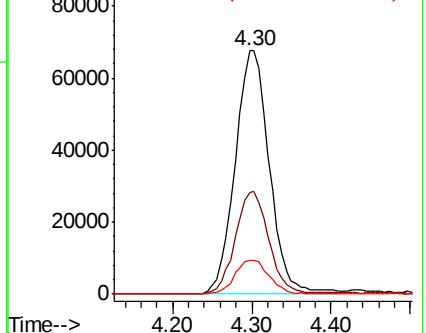
141 13.9 11.6 17.4

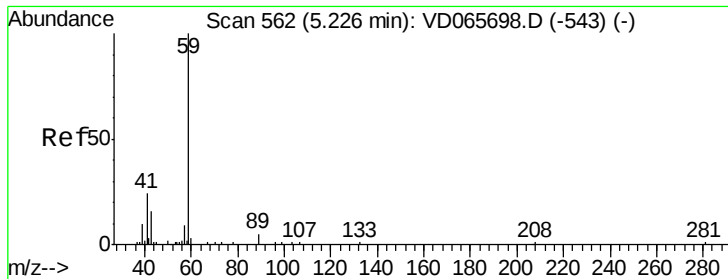


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

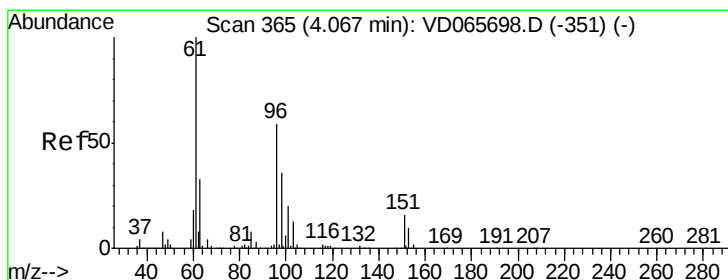
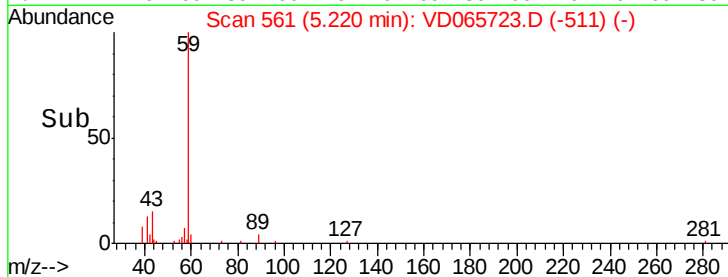
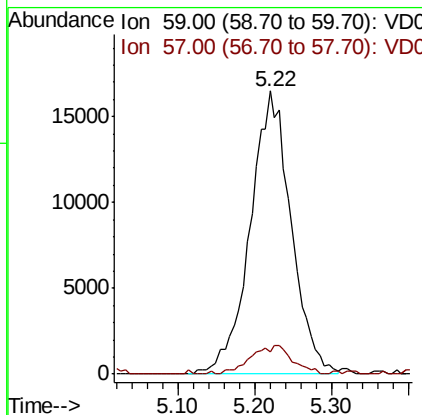
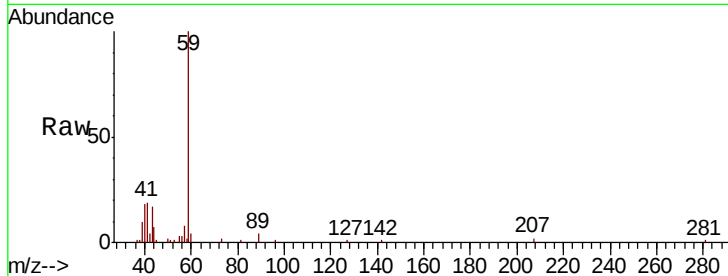




#11
Tert butyl alcohol
Concen: 207.617 ug/l
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD065723.D
Acq: 08 May 2020 14:48

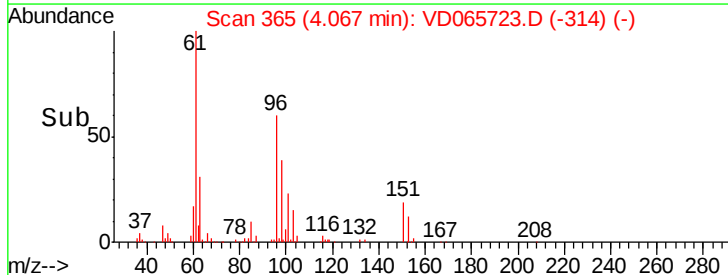
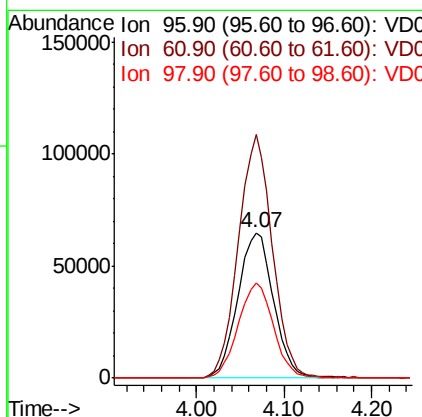
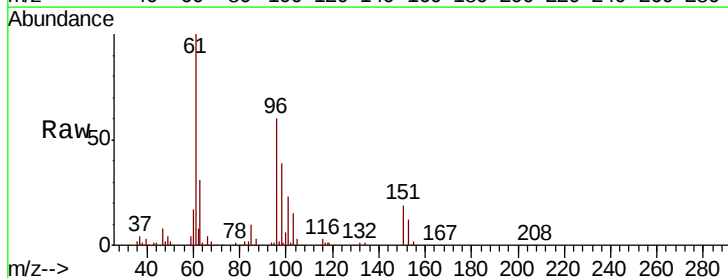
Instrument :
MSVOA_D
ClientSampleId :

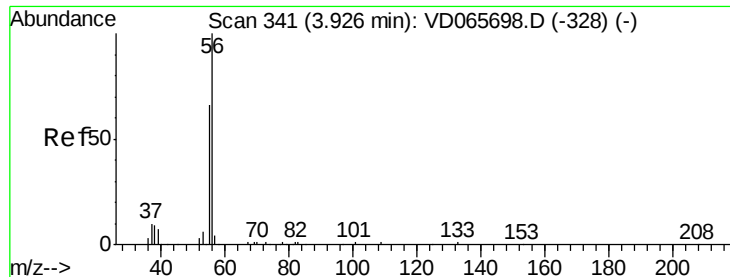
Tot Ion: 59 Resp: 61133
Ion Ratio Lower Upper
59 100
57 10.3 8.7 13.1



#12
1,1-Dichloroethene
Concen: 48.852 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD065723.D
Acq: 08 May 2020 14:48

Tgt Ion: 96 Resp: 178793
Ion Ratio Lower Upper
96 100
61 167.6 136.0 204.0
98 65.8 49.7 74.5





#13

Acrolein

Concen: 174.414 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

Instrument :

MSVOA_D

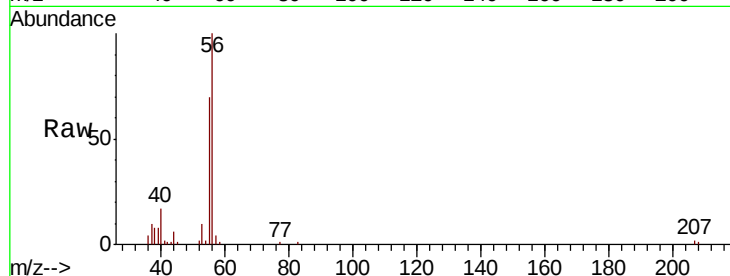
ClientSampleId :

Tot Ion: 56 Resp: 55081

Ion Ratio Lower Upper

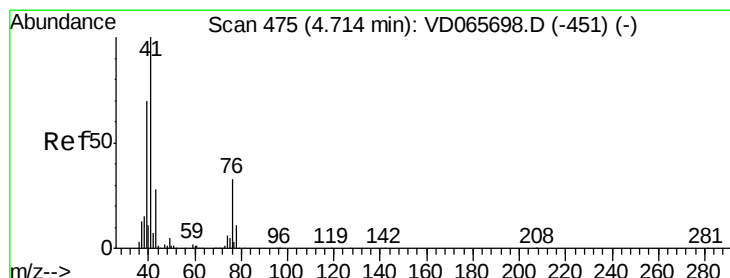
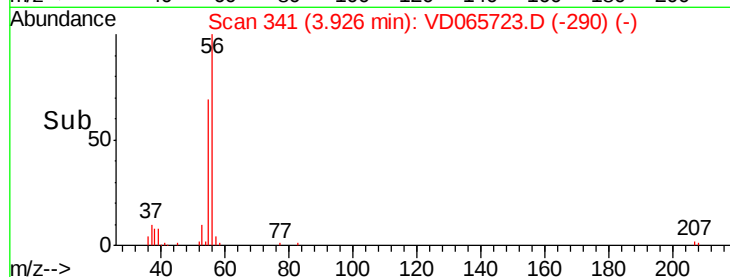
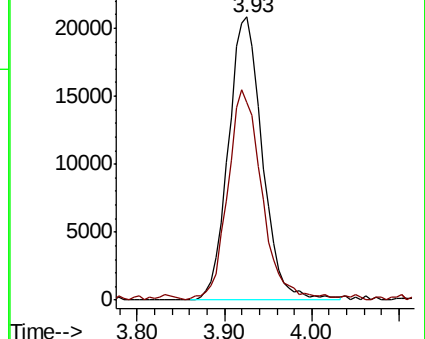
56 100

55 75.2 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 41.837 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

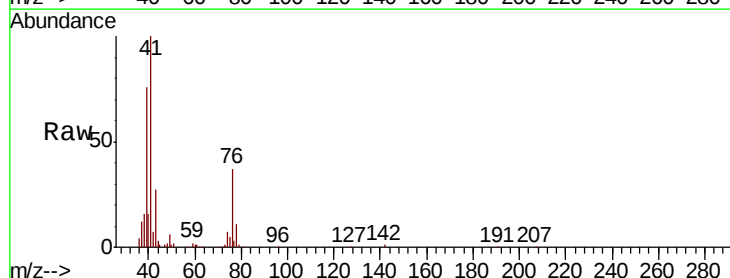
Tgt Ion: 41 Resp: 305245

Ion Ratio Lower Upper

41 100

39 72.5 55.6 83.4

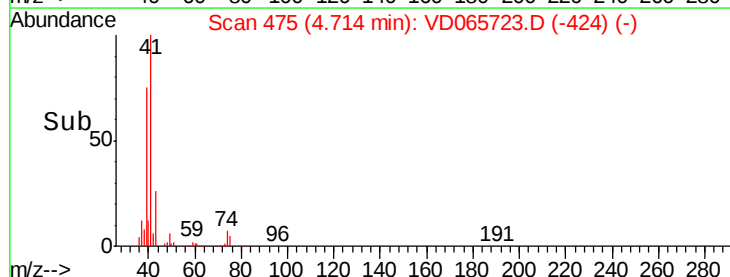
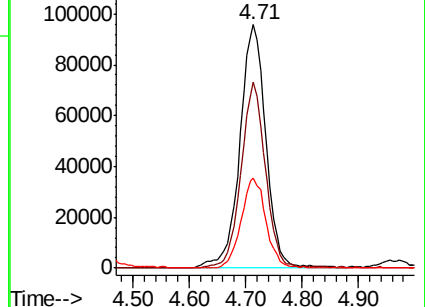
76 34.9 25.6 38.4

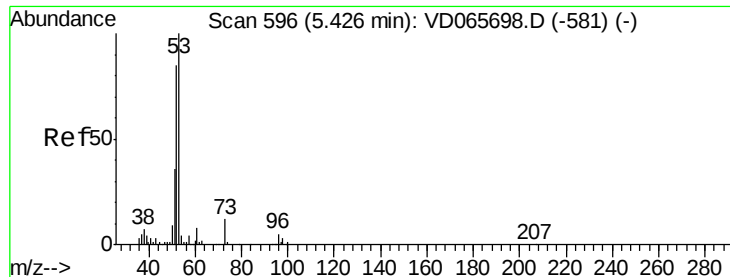


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 205.809 ug/l

RT: 5.42 min Scan# 595

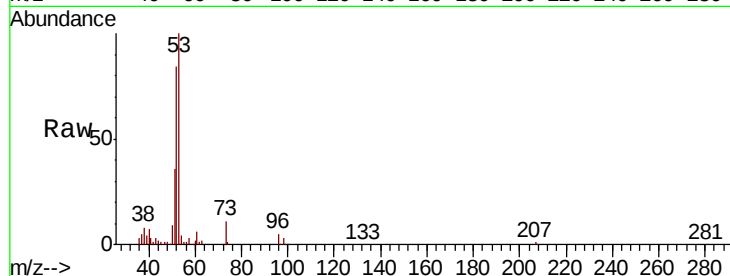
Delta R.T. -0.01 min

Lab File: VD065723.D

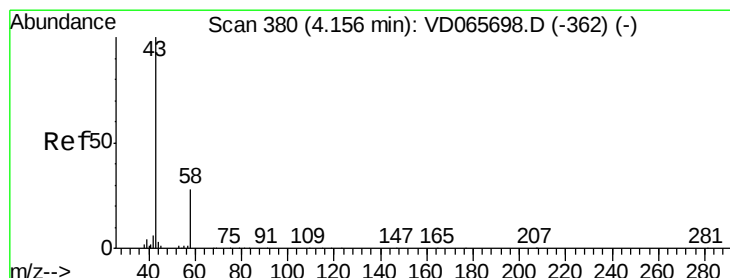
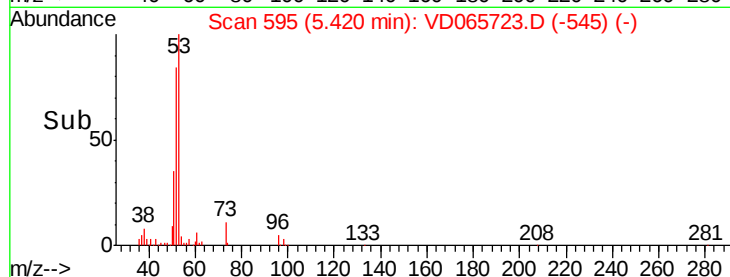
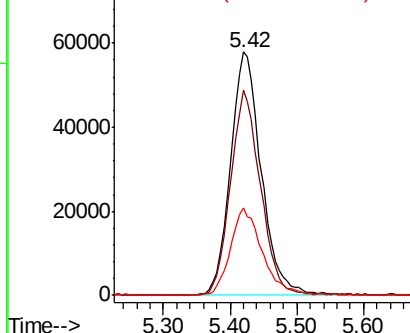
Acq: 08 May 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	53	Resp:	185963
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.2	99.2
51	37.1	29.9	44.9



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



#16

Acetone

Concen: 272.970 ug/l

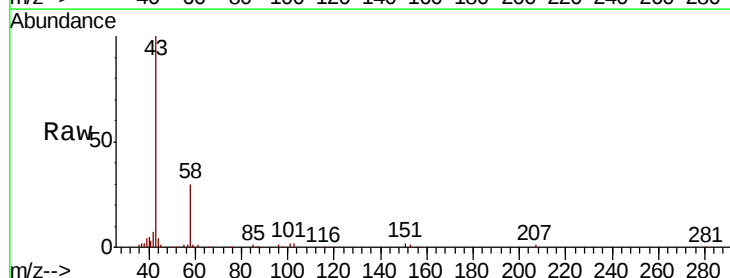
RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

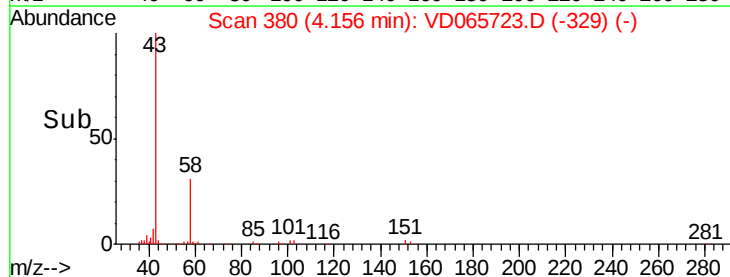
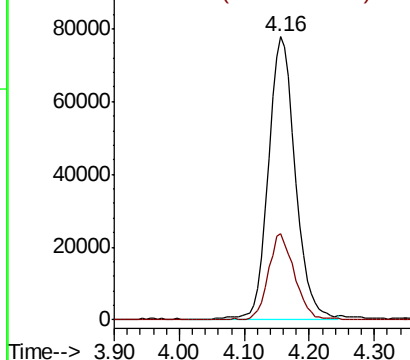
Lab File: VD065723.D

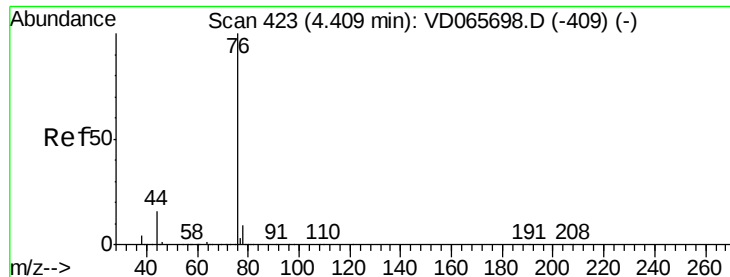
Acq: 08 May 2020 14:48

Tgt Ion:	43	Resp:	223993
Ion	Ratio	Lower	Upper
43	100		
58	30.4	22.5	33.7



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





#17

Carbon Disulfide

Concen: 47.468 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

Instrument :

MSVOA_D

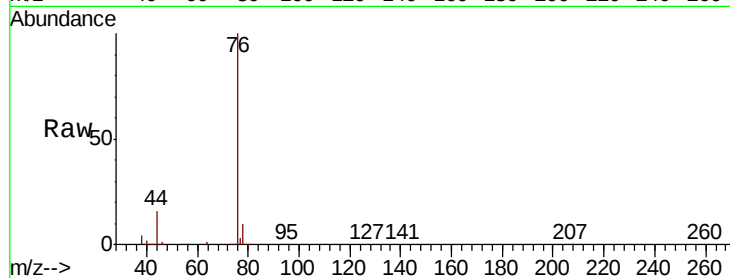
ClientSampleId :

Tot Ion: 76 Resp: 571288

Ion Ratio Lower Upper

76 100

78 9.5 6.8 10.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

200000

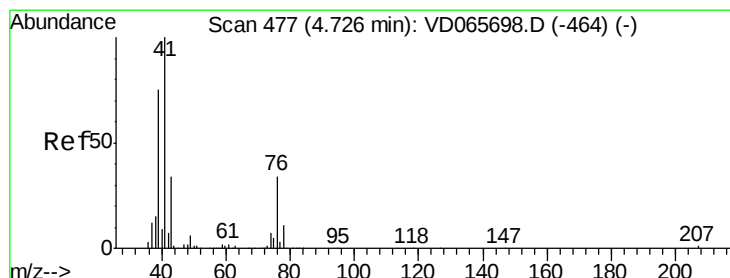
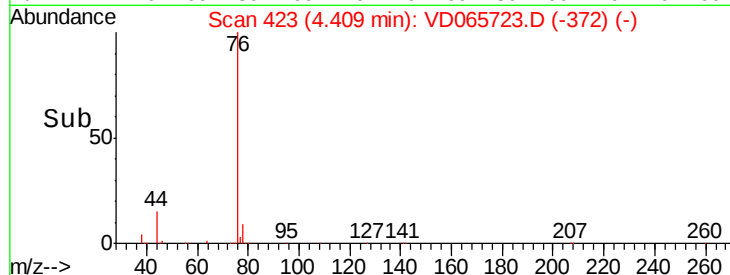
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 40.632 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD065723.D

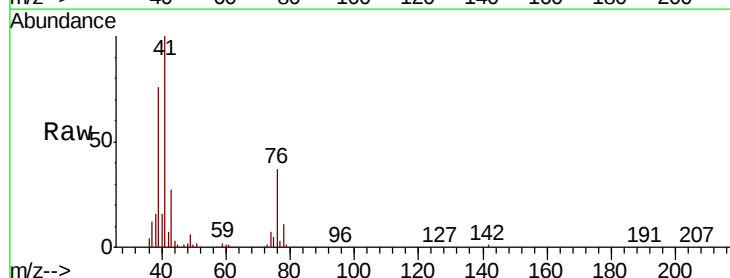
Acq: 08 May 2020 14:48

Tgt Ion: 43 Resp: 82901

Ion Ratio Lower Upper

43 100

74 23.5 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

30000

25000

20000

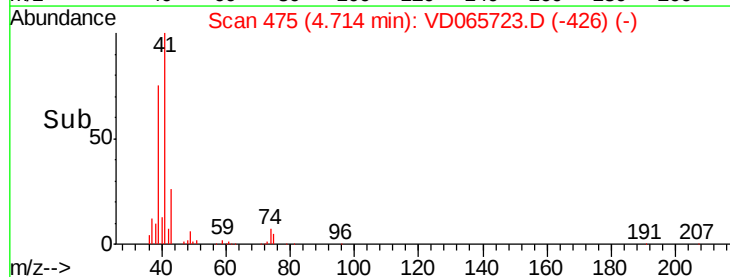
15000

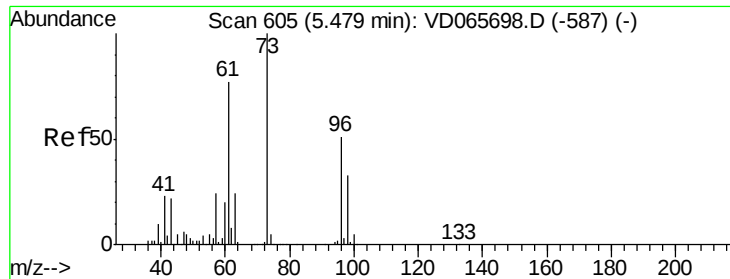
10000

5000

0

Time-->

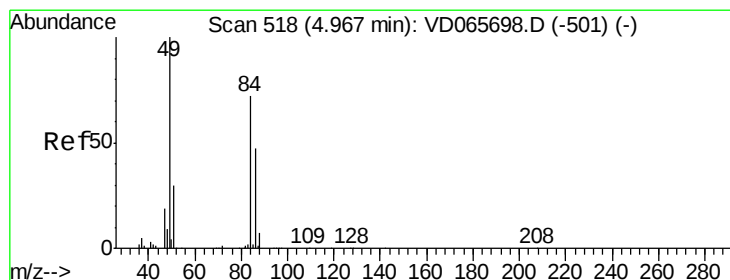
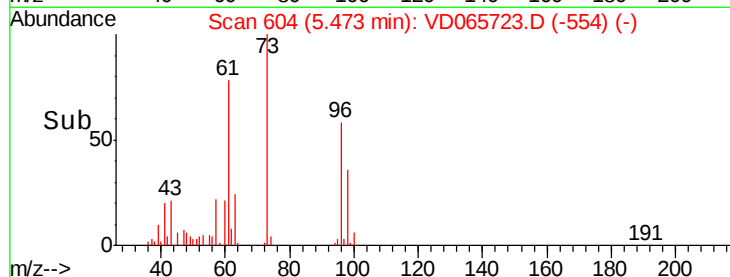
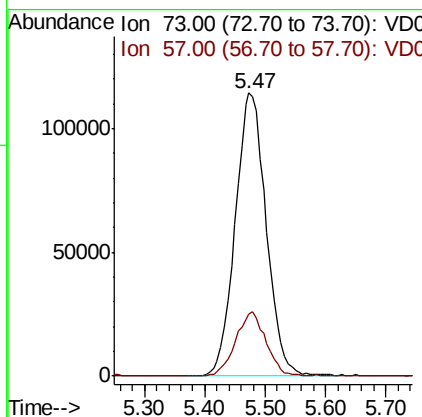
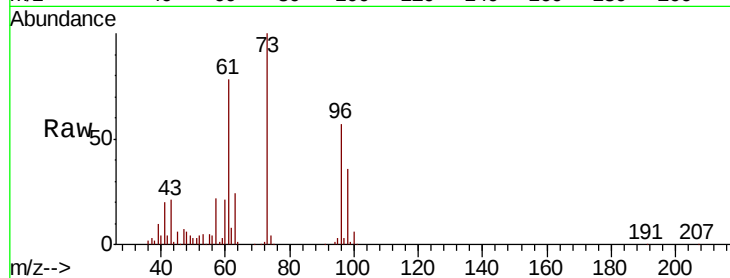




#19
Methyl tert-butyl Ether
Concen: 45.843 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065723.D
Acq: 08 May 2020 14:48

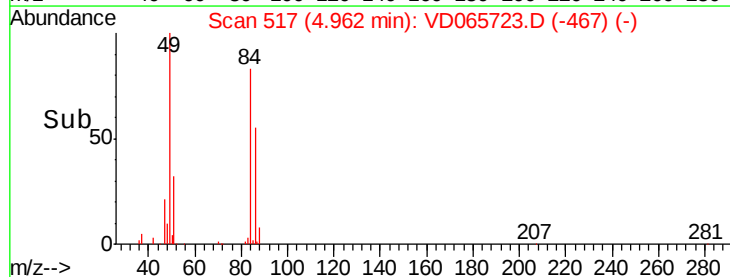
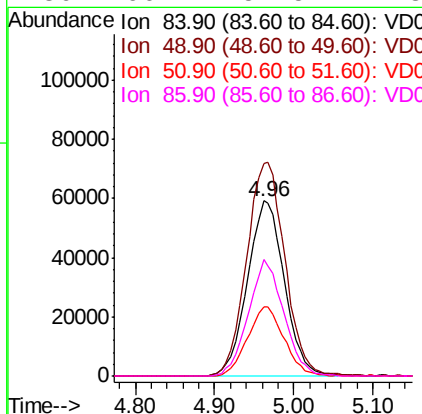
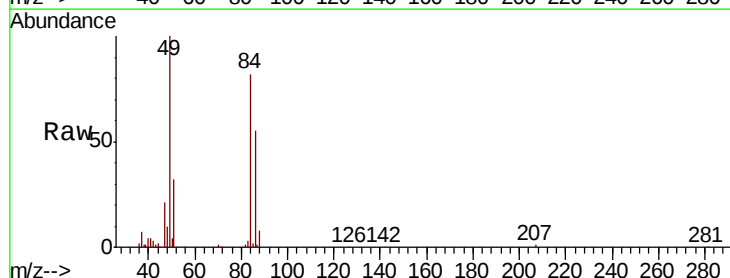
Instrument :
MSVOA_D
ClientSampleId :

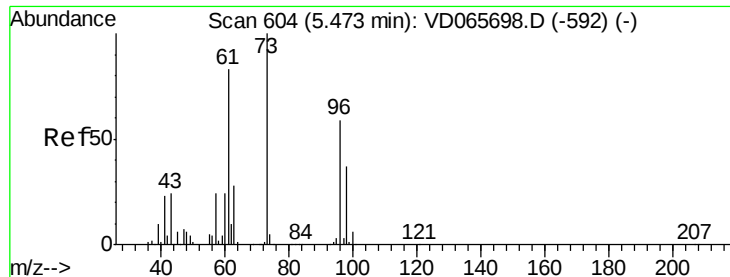
Tot Ion: 73 Resp: 406819
Ion Ratio Lower Upper
73 100
57 22.0 19.4 29.0



#20
Methylene Chloride
Concen: 46.364 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065723.D
Acq: 08 May 2020 14:48

Tgt Ion: 84 Resp: 191650
Ion Ratio Lower Upper
84 100
49 121.4 110.4 165.6
51 39.1 33.4 50.2
86 66.2 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 48.079 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

Instrument :

MSVOA_D

ClientSampled :

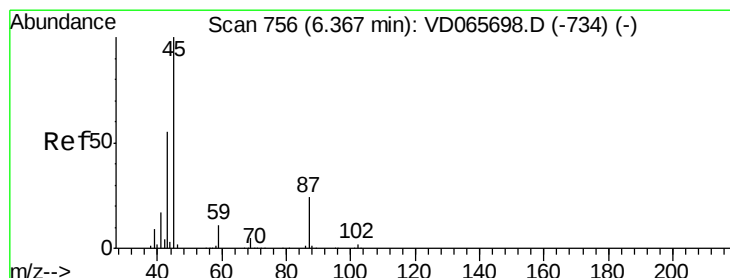
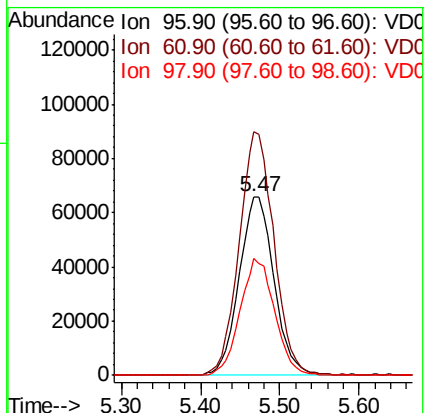
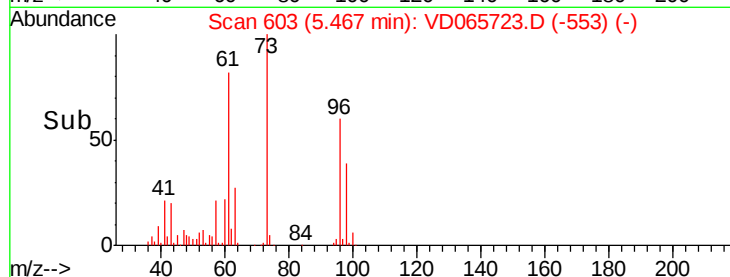
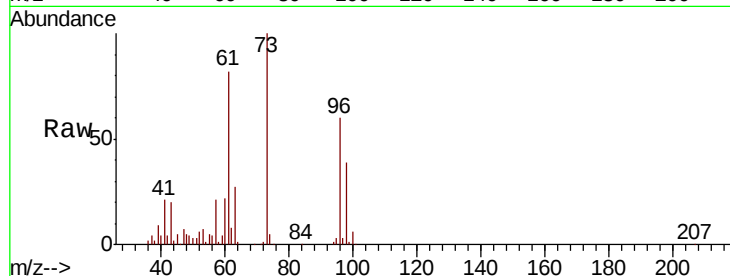
Tot Ion: 96 Resp: 201439

Ion Ratio Lower Upper

96 100

61 136.3 113.0 169.4

98 65.6 49.5 74.3



#22

Diisopropyl ether

Concen: 43.577 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

Tgt Ion: 45 Resp: 591255

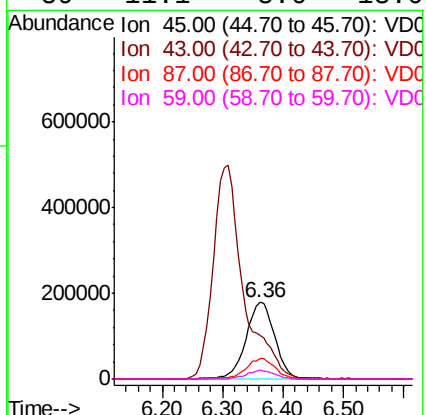
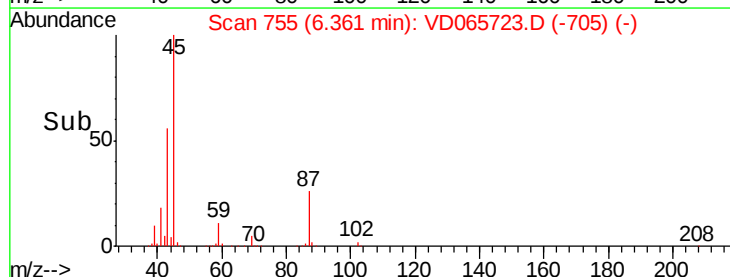
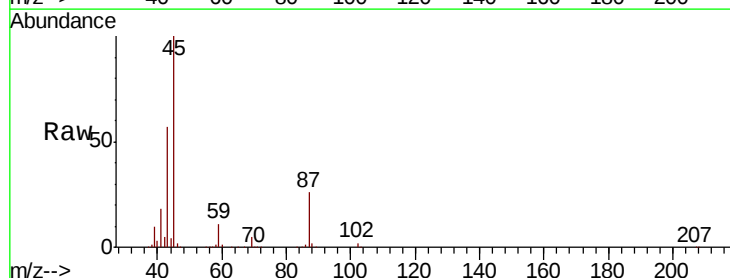
Ion Ratio Lower Upper

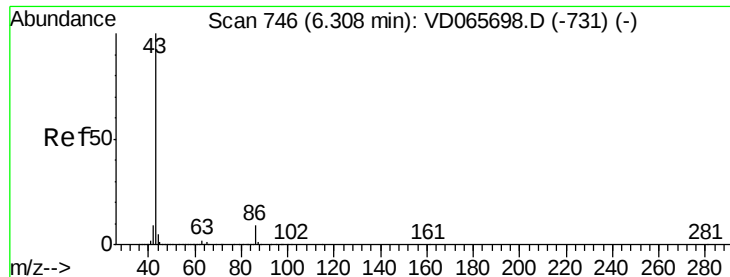
45 100

43 55.7 44.2 66.4

87 25.9 19.0 28.4

59 11.1 8.6 13.0





#23

Vinyl Acetate

Concen: 212.159 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

Instrument :

MSVOA_D

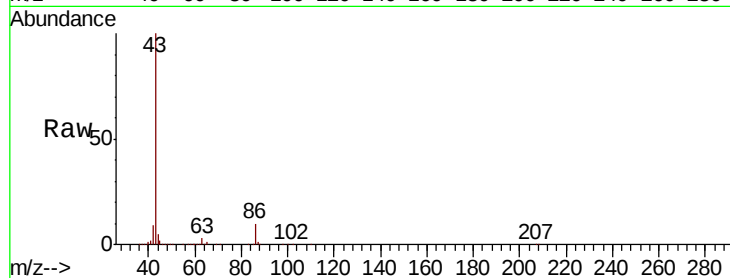
ClientSampled :

Tot Ion: 43 Resp: 1738609

Ion Ratio Lower Upper

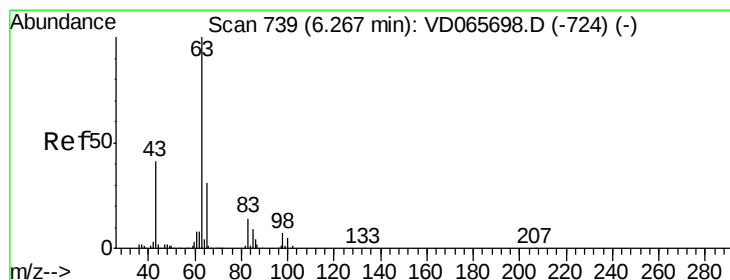
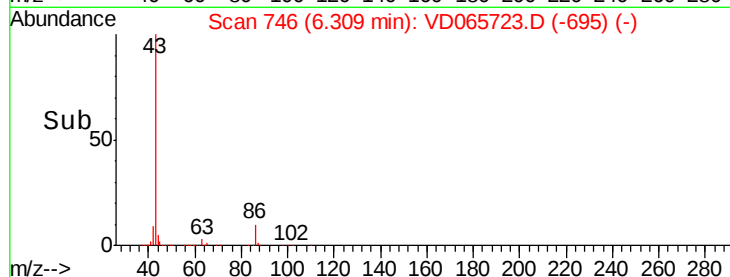
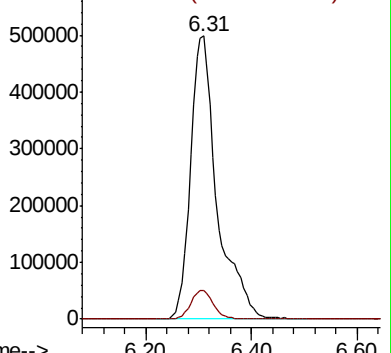
43 100

86 10.2 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: 45.964 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

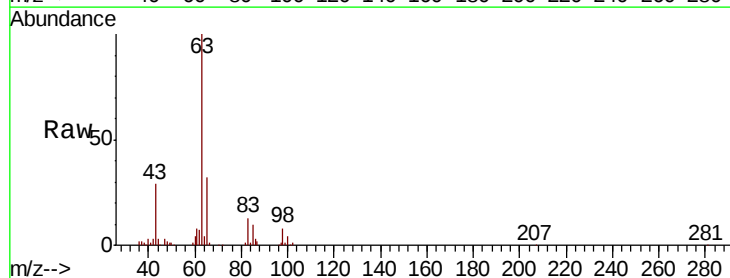
Tgt Ion: 63 Resp: 341635

Ion Ratio Lower Upper

63 100

98 7.6 3.4 10.2

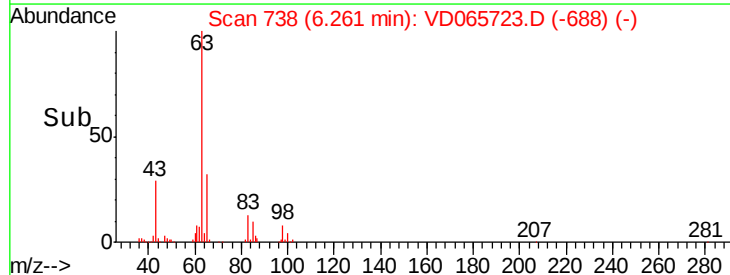
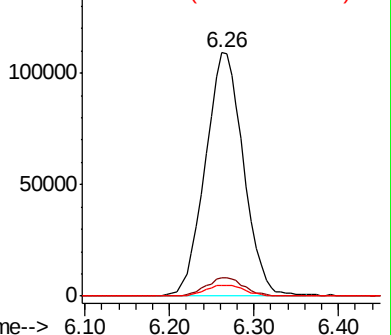
100 4.4 2.3 6.9

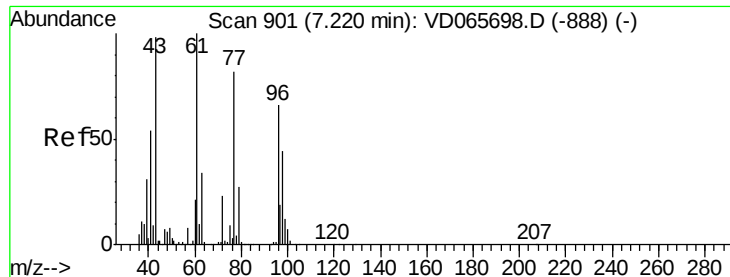


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 219.169 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

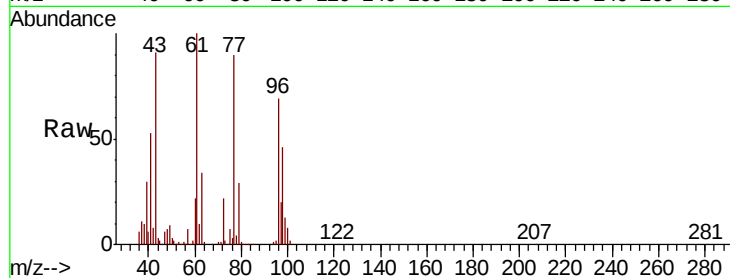
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 266769

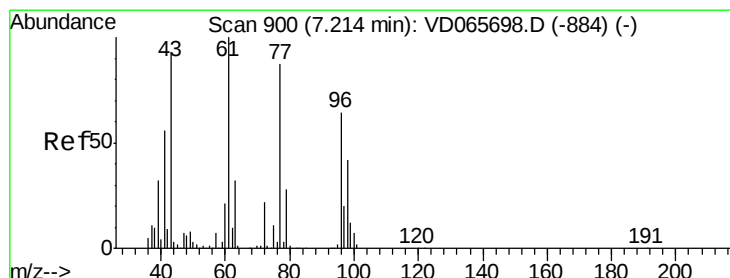
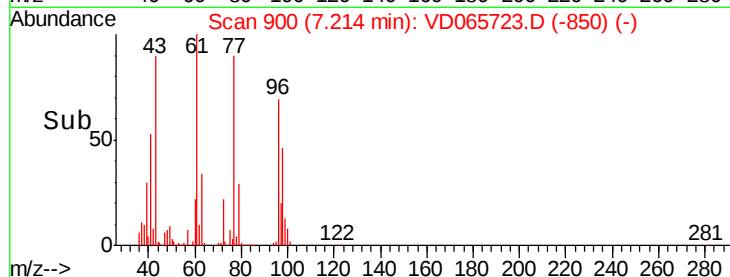
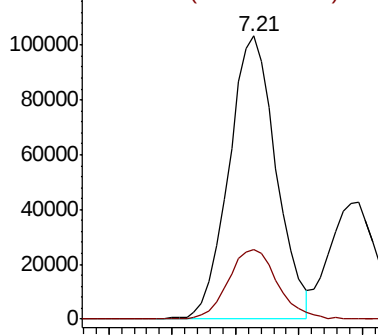
Ion Ratio Lower Upper

43 100

72 24.5 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: 47.490 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065723.D

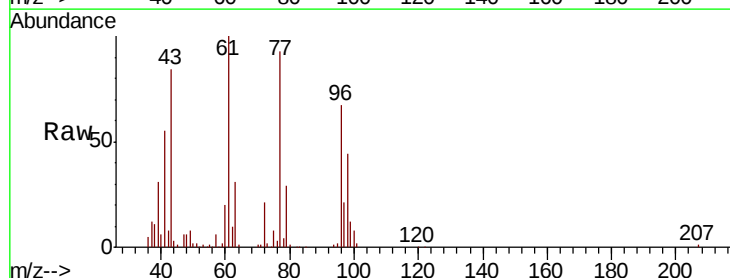
Acq: 08 May 2020 14:48

Tgt Ion: 77 Resp: 317805

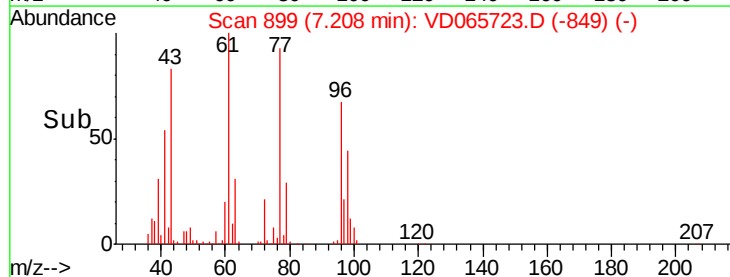
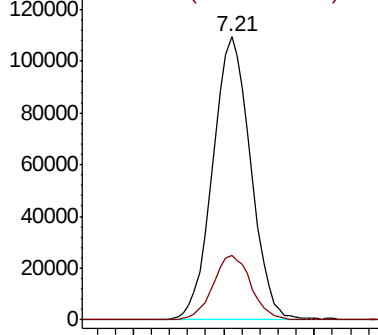
Ion Ratio Lower Upper

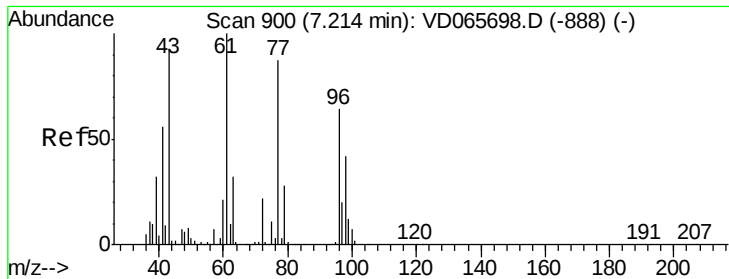
77 100

97 22.9 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



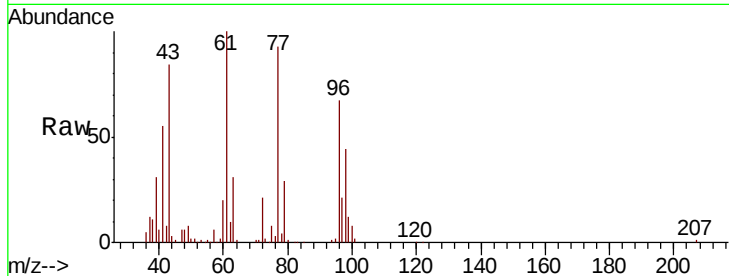


#27

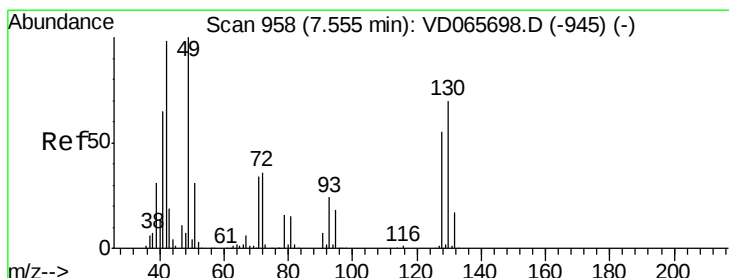
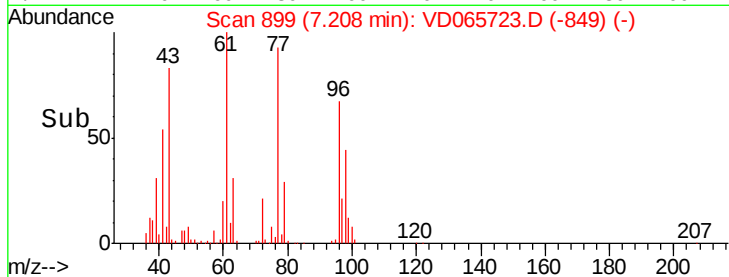
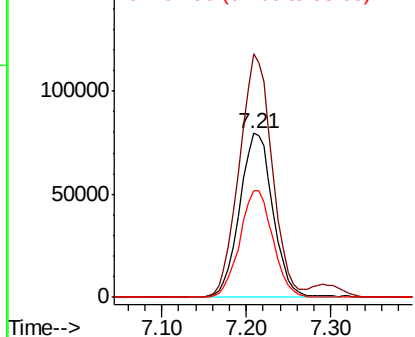
cis-1,2-Dichloroethene
Concen: 47.809 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065723.D
Acq: 08 May 2020 14:48

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 217353
Ion Ratio Lower Upper
96 100
61 146.3 0.0 306.6
98 64.9 0.0 129.4



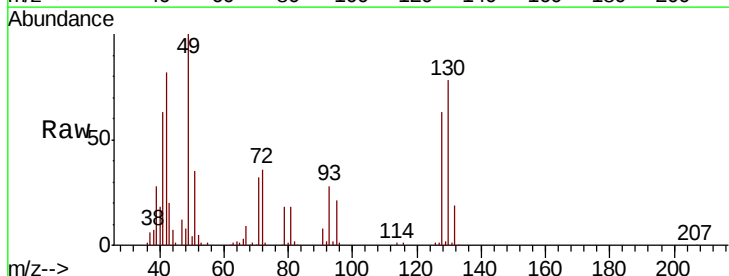
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



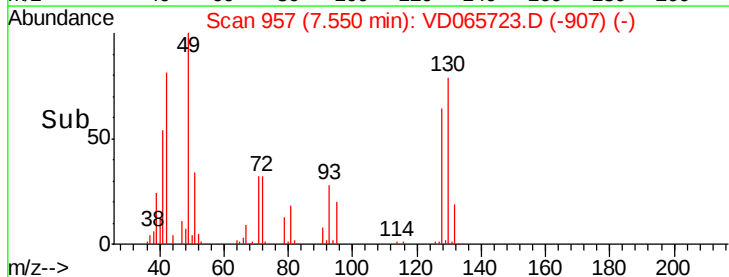
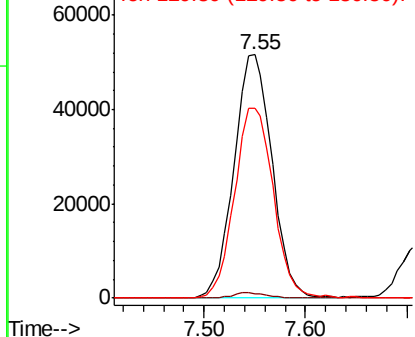
#28

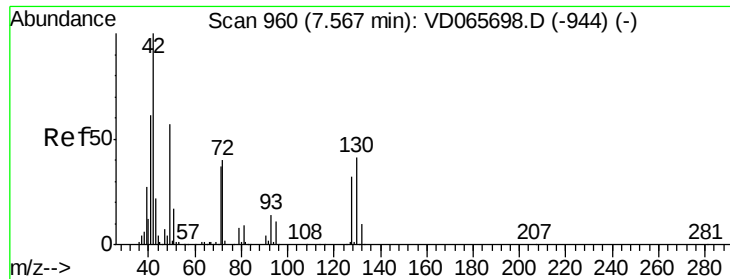
Bromochloromethane
Concen: 43.454 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD065723.D
Acq: 08 May 2020 14:48

Tgt Ion: 49 Resp: 134707
Ion Ratio Lower Upper
49 100
129 2.0 0.0 3.8
130 79.7 56.4 84.6



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





#29

Tetrahydrofuran

Concen: 204.534 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

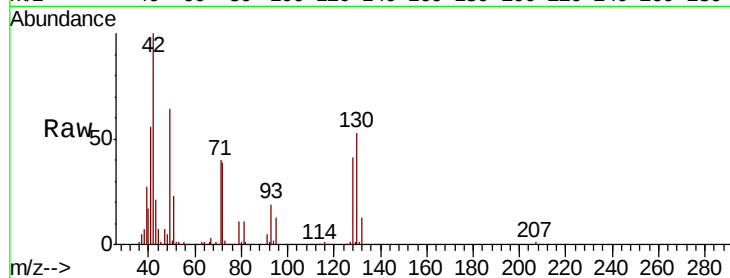
Tot Ion: 42 Resp: 160461

Ion Ratio Lower Upper

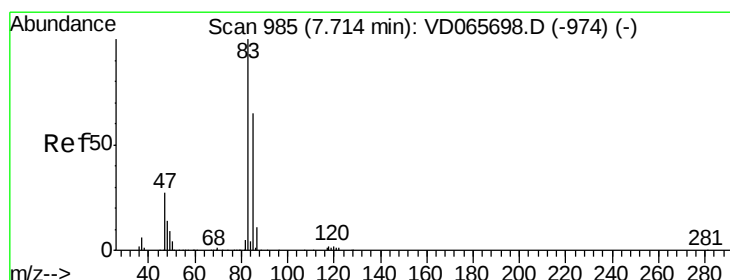
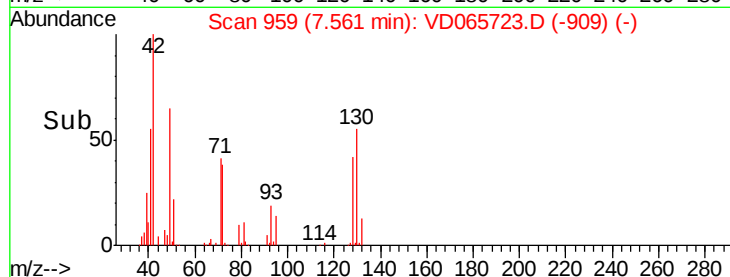
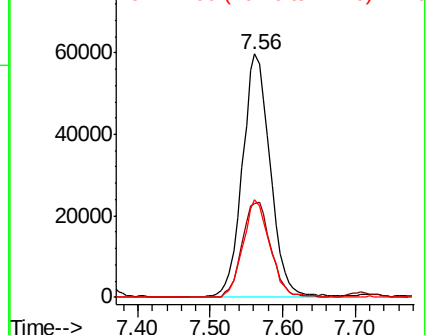
42 100

72 40.2 30.4 45.6

71 38.5 28.0 42.0



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



#30

Chloroform

Concen: 47.490 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065723.D

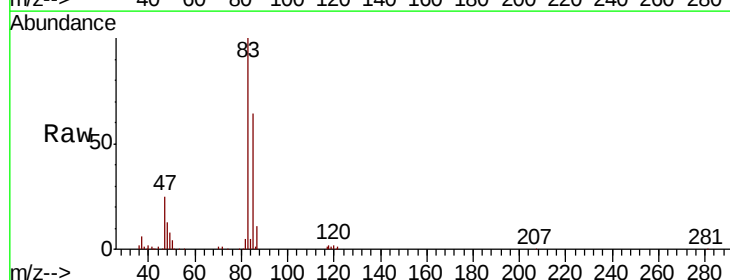
Acq: 08 May 2020 14:48

Tgt Ion: 83 Resp: 339674

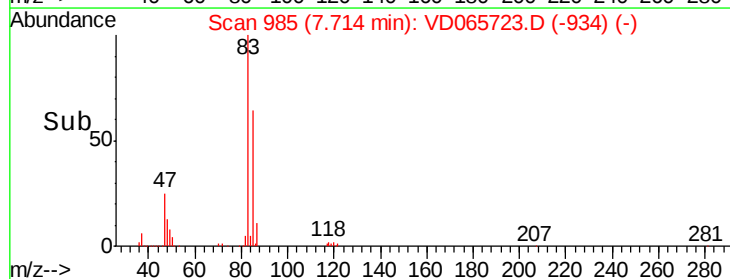
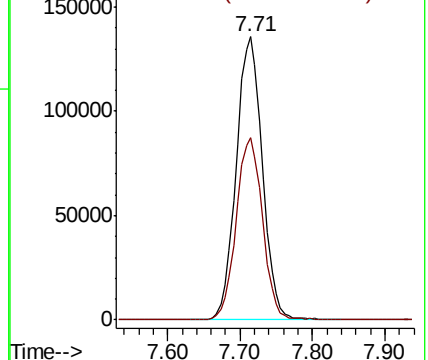
Ion Ratio Lower Upper

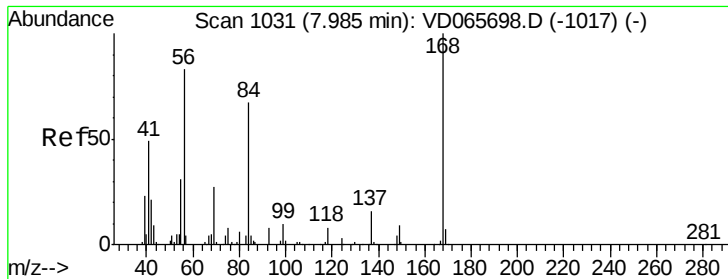
83 100

85 64.2 52.1 78.1



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

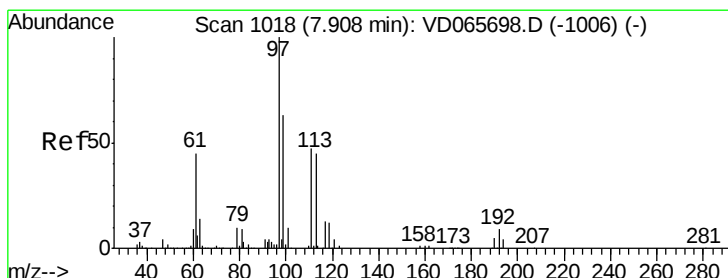
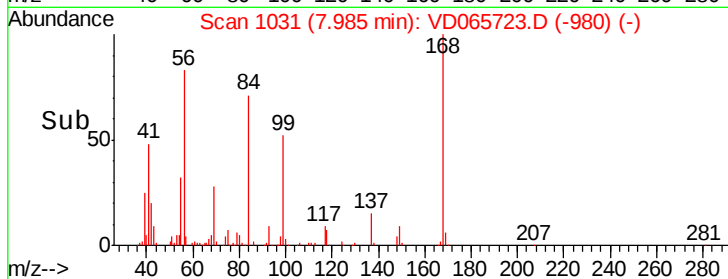
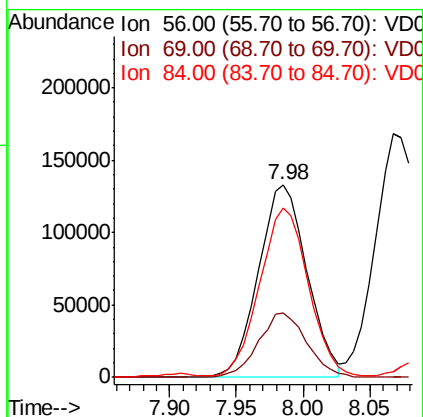
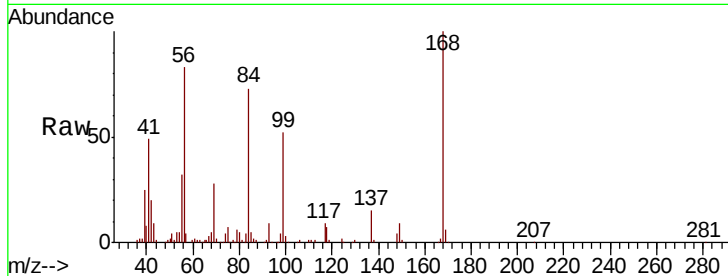




#31
Cyclohexane
Concen: 43.579 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065723.D
Acq: 08 May 2020 14:48

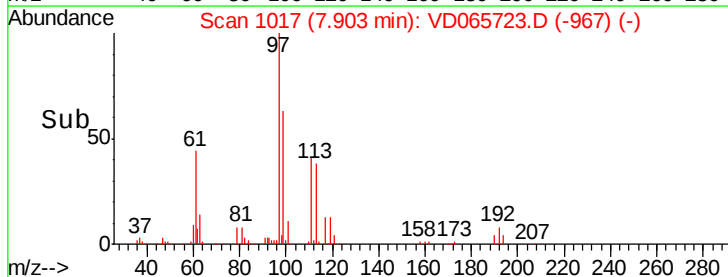
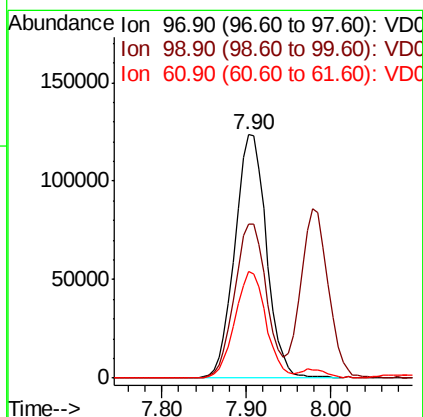
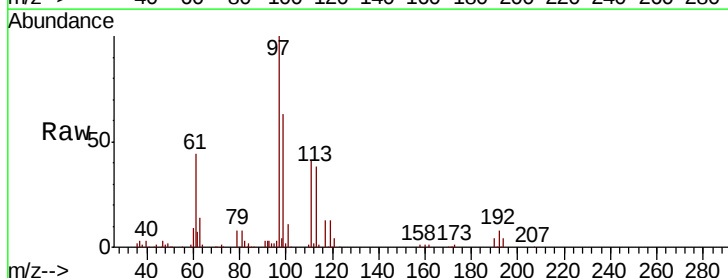
Instrument :
MSVOA_D
ClientSampled :

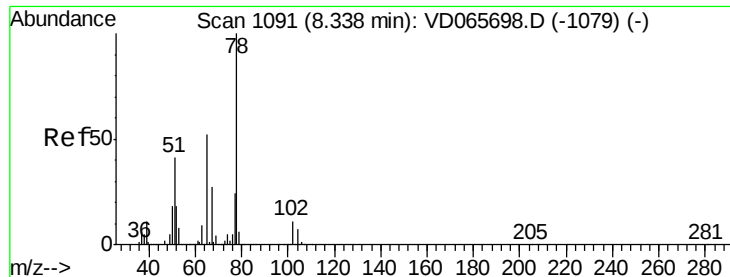
Tot Ion	56	Resp	335160
Ion Ratio	Lower	Upper	
56	100		
69	33.2	26.3	39.5
84	86.6	64.5	96.7



#32
1,1,1-Trichloroethane
Concen: 48.410 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065723.D
Acq: 08 May 2020 14:48

Tgt Ion	97	Resp	320969
Ion Ratio	Lower	Upper	
97	100		
99	63.5	50.8	76.2
61	42.9	36.0	54.0

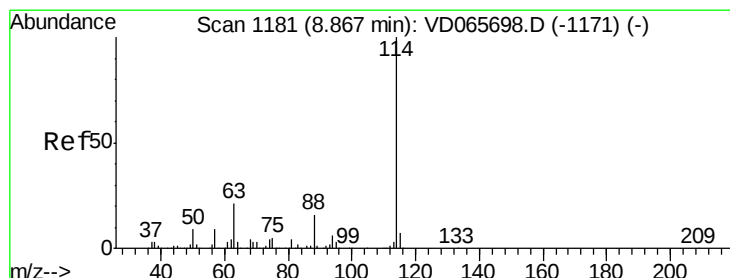
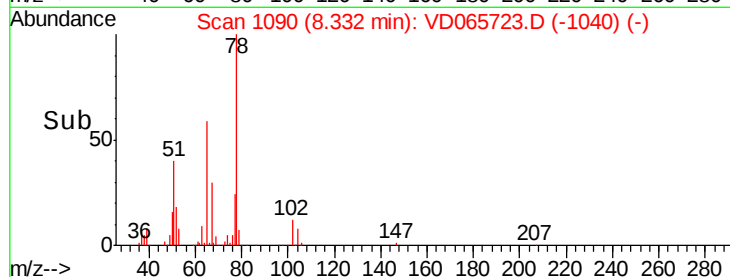
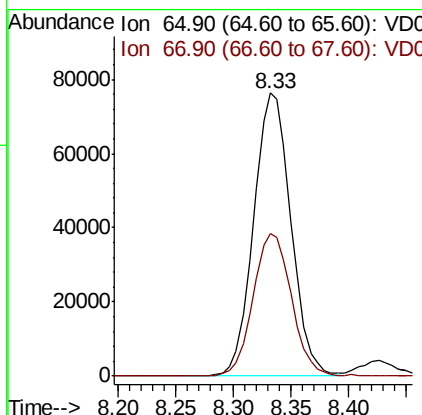
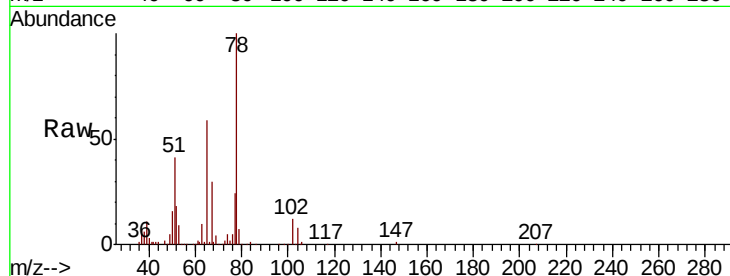




#33
 1,2-Dichloroethane-d4
 Concen: 44.579 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065723.D
 Acq: 08 May 2020 14:48

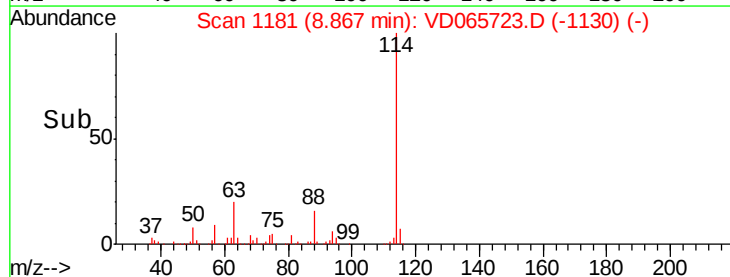
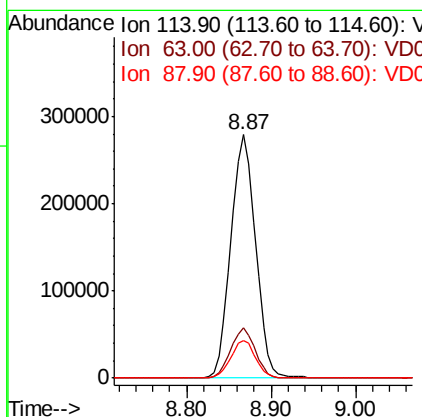
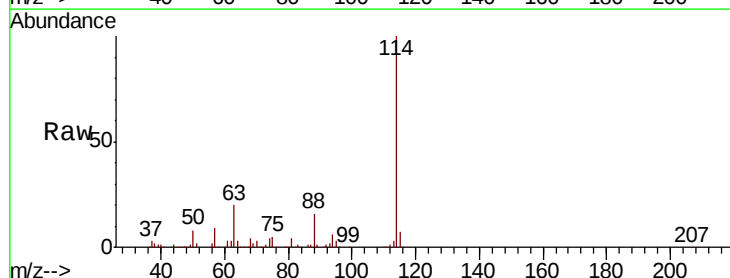
Instrument :
 MSVOA_D
 ClientSampleId :

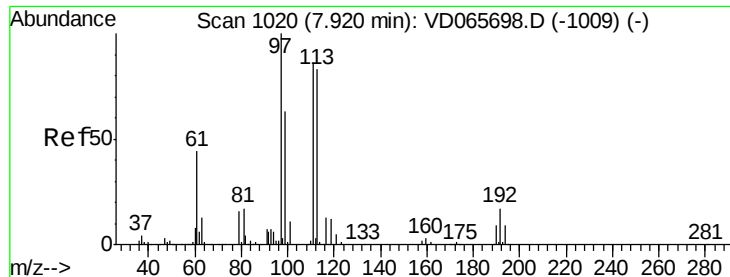
Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065723.D
 Acq: 08 May 2020 14:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	42.4
88	15.5	0.0	32.6

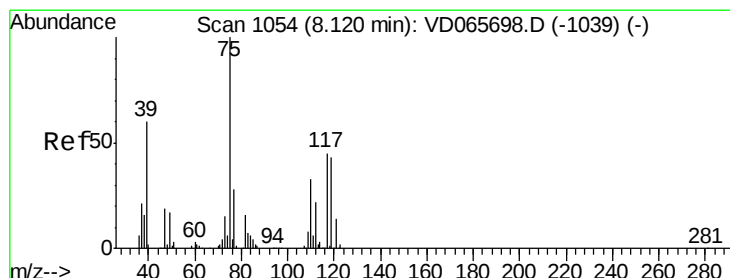
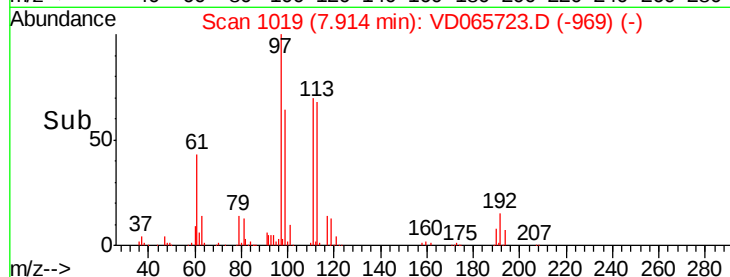
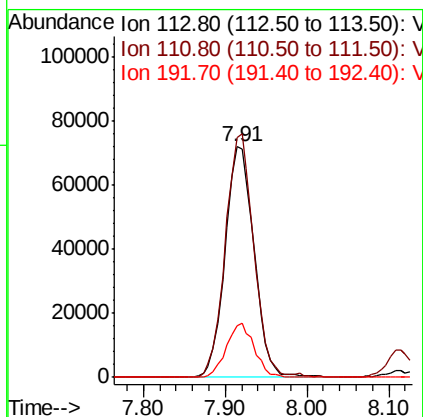
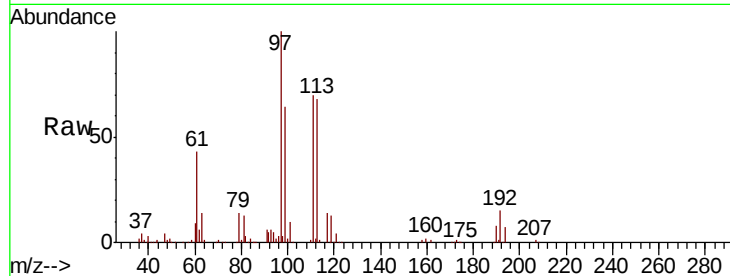




#35
 Dibromofluoromethane
 Concen: 50.566 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065723.D
 Acq: 08 May 2020 14:48

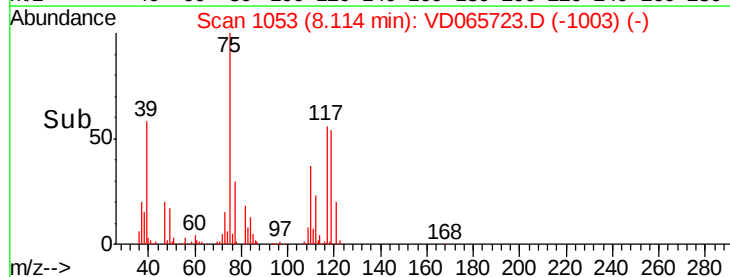
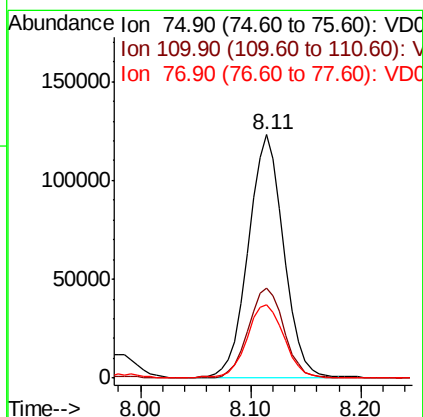
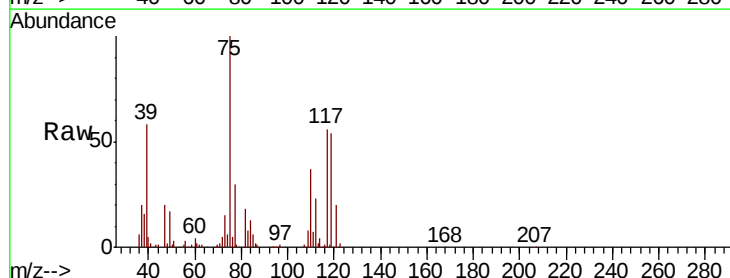
Instrument :
 MSVOA_D
 ClientSampleId :

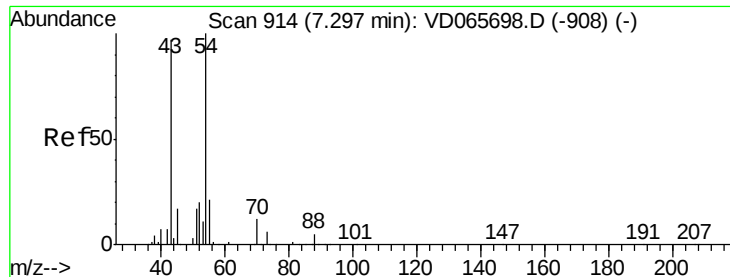
Tot Ion:113 Resp: 177828
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.7 124.1
 192 22.4 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 49.491 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD065723.D
 Acq: 08 May 2020 14:48

Tgt Ion: 75 Resp: 276566
 Ion Ratio Lower Upper
 75 100
 110 37.5 17.2 51.6
 77 31.9 23.7 35.5

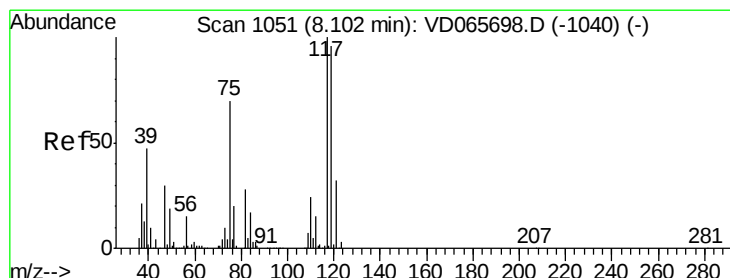
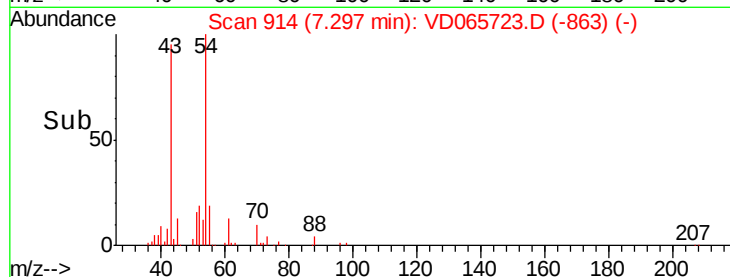
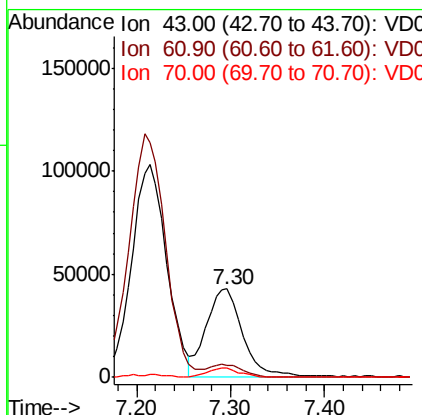
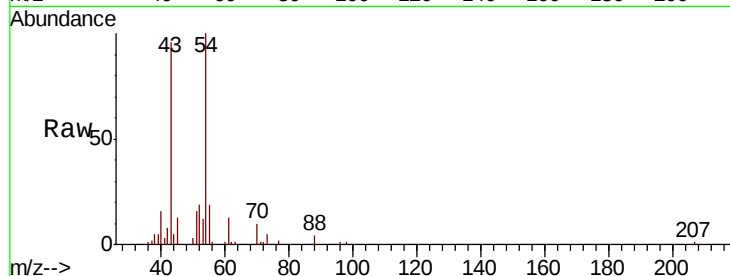




#37
Ethyl Acetate
Concen: 42.747 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065723.D
Acq: 08 May 2020 14:48

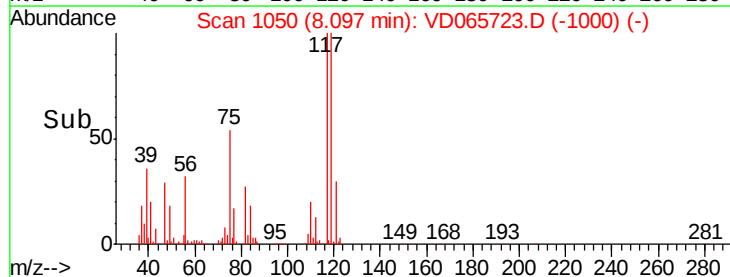
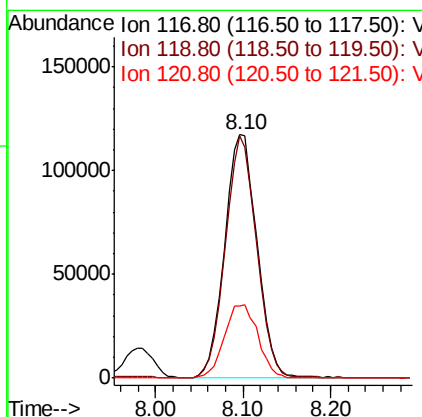
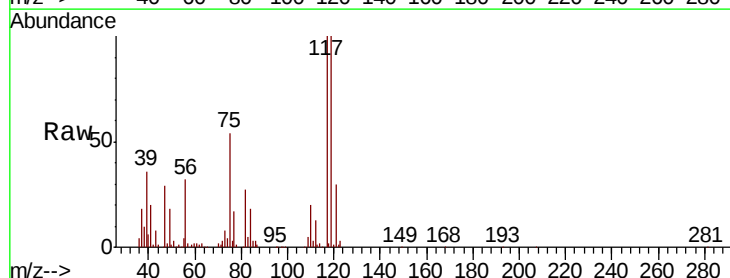
Instrument :
MSVOA_D
ClientSampleId :

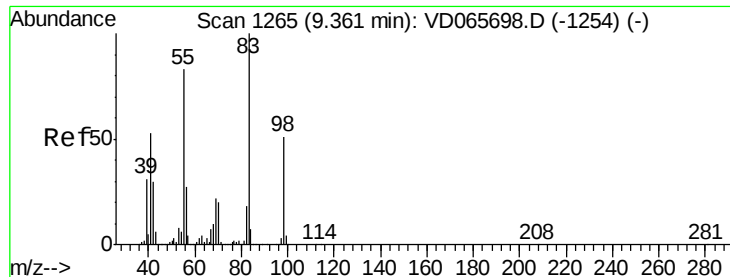
Tot Ion: 43 Resp: 115023
Ion Ratio Lower Upper
43 100
61 13.3 9.9 14.9
70 9.6 7.3 10.9



#38
Carbon Tetrachloride
Concen: 53.163 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065723.D
Acq: 08 May 2020 14:48

Tgt Ion: 117 Resp: 294557
Ion Ratio Lower Upper
117 100
119 99.8 77.1 115.7
121 29.9 25.5 38.3

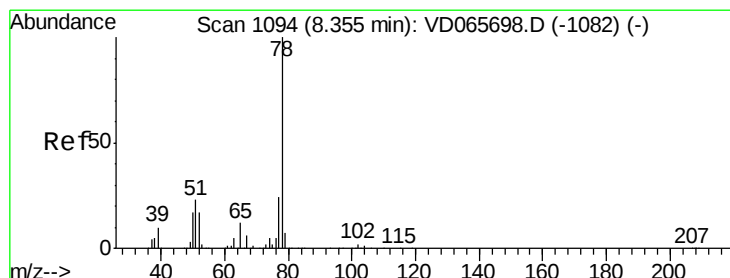
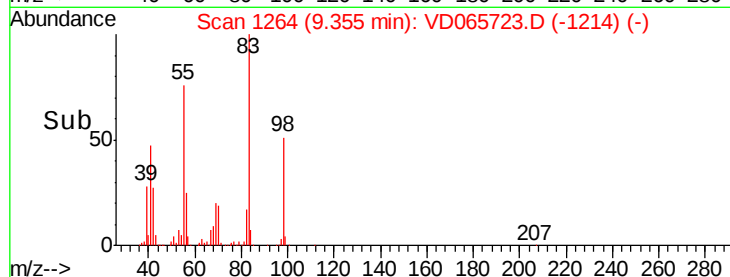
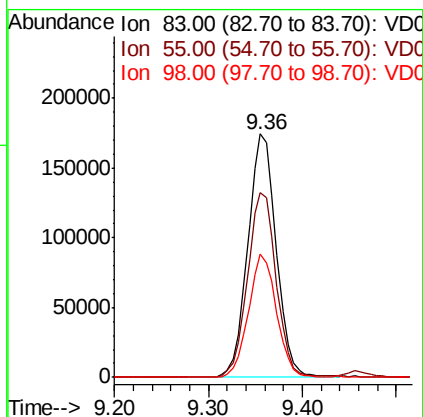
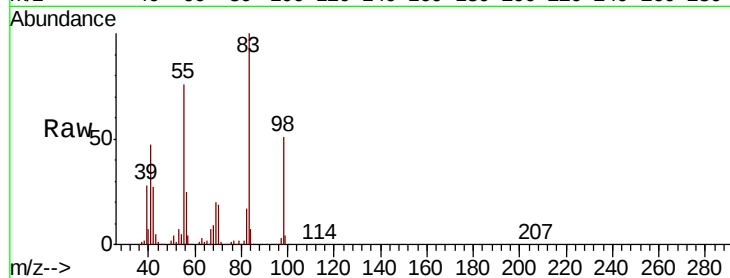




#39
Methylvlcyclohexane
Concen: 51.867 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065723.D
Acq: 08 May 2020 14:48

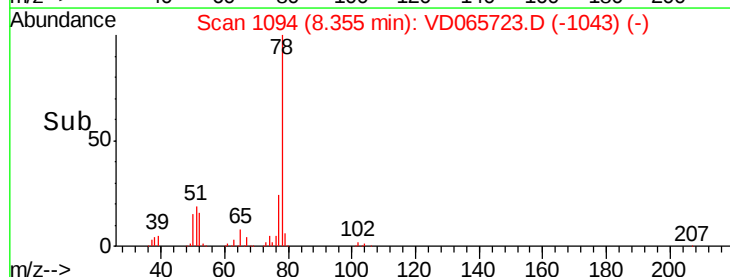
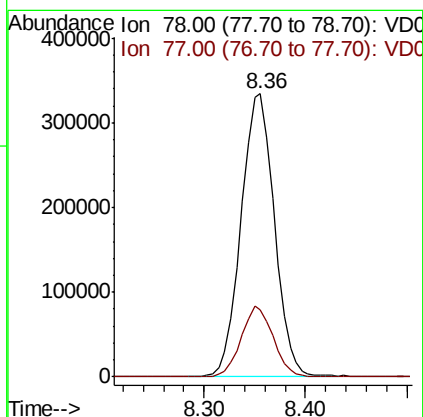
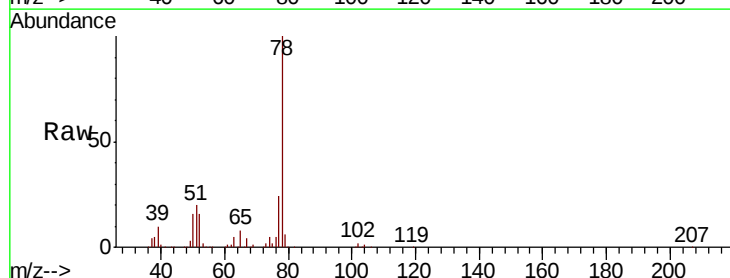
Instrument :
MSVOA_D
ClientSampleId :

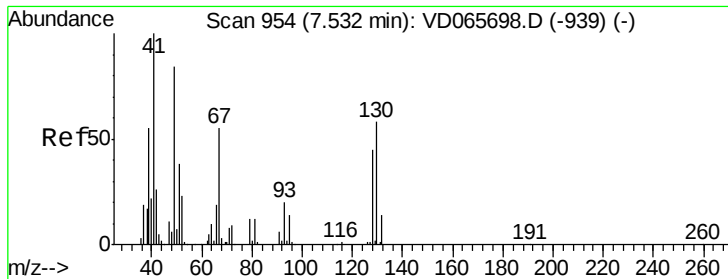
Tot Ion: 83 Resp: 363884
Ion Ratio Lower Upper
83 100
55 75.9 66.0 99.0
98 50.7 41.0 61.4



#40
Benzene
Concen: 49.960 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065723.D
Acq: 08 May 2020 14:48

Tgt Ion: 78 Resp: 762479
Ion Ratio Lower Upper
78 100
77 23.8 19.6 29.4

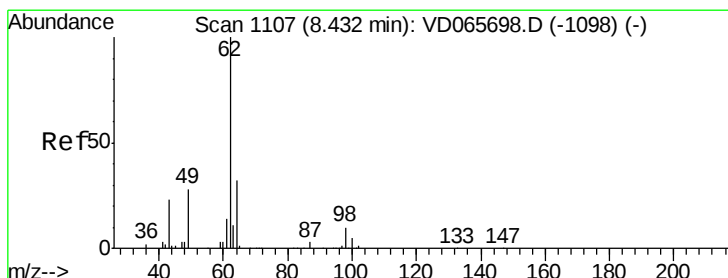
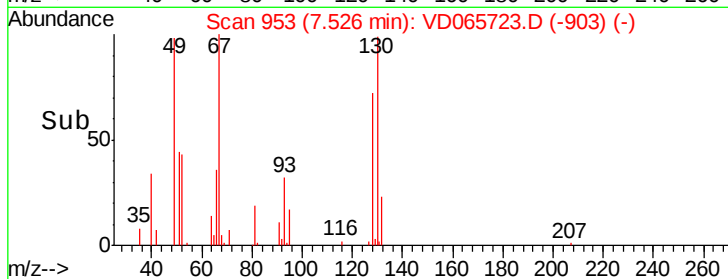
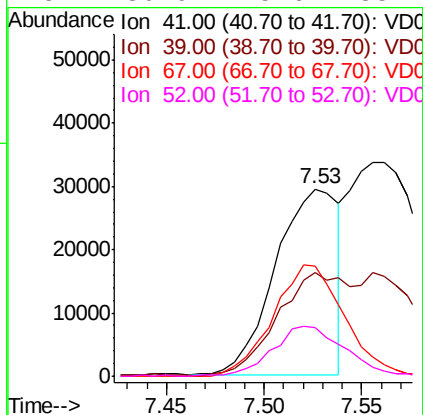
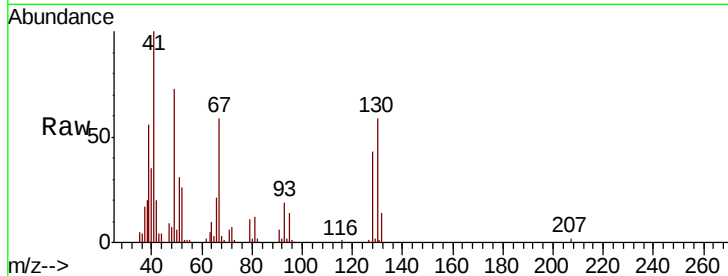




#41
Methacrylonitrile
Concen: 42.418 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065723.D
Acq: 08 May 2020 14:48

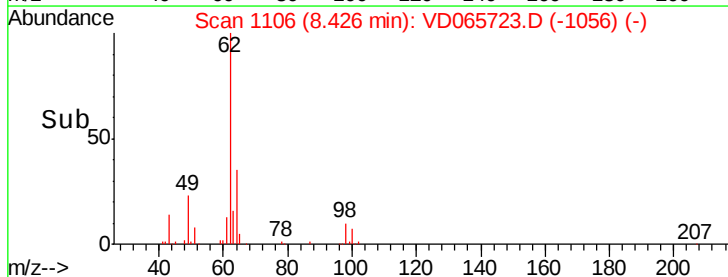
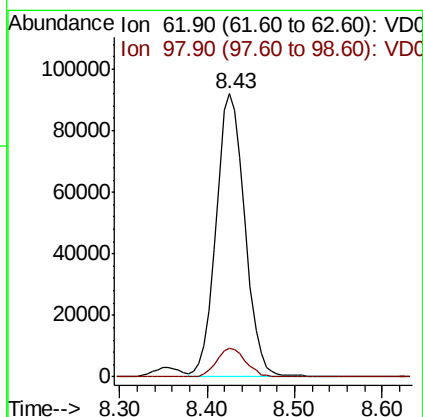
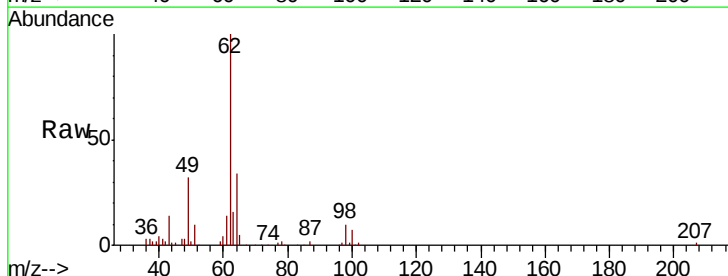
Instrument :
MSVOA_D
ClientSampled :

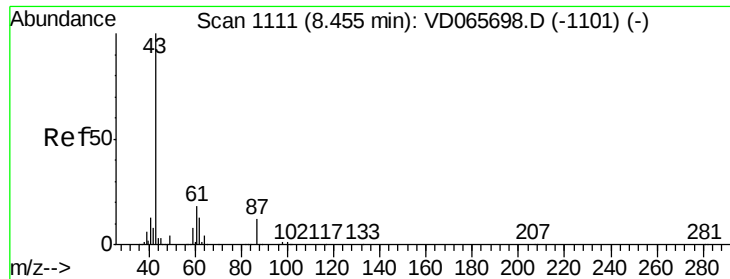
Tot Ion:	41	Resp:	65834
Ion	Ratio	Lower	Upper
41	100		
39	62.3	52.5	78.7
67	67.8	59.4	89.0
52	30.9	25.6	38.4



#42
1,2-Dichloroethane
Concen: 47.595 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065723.D
Acq: 08 May 2020 14:48

Tgt Ion:	62	Resp:	209018
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.2





#43

Isopropyl Acetate

Concen: 43.360 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

Instrument :

MSVOA_D

ClientSampled :

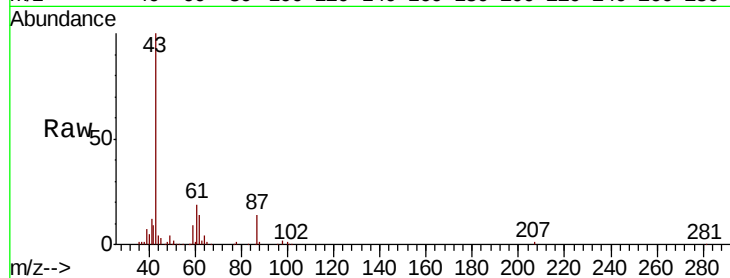
Tot Ion: 43 Resp: 233315

Ion Ratio Lower Upper

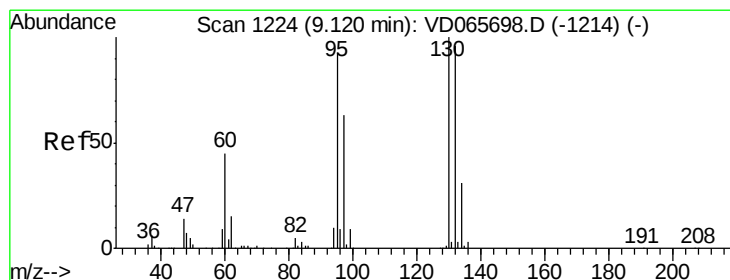
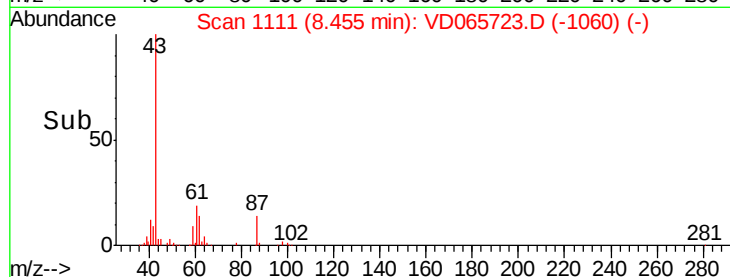
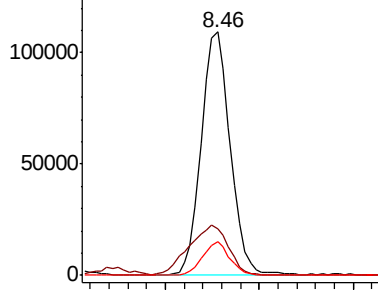
43 100

61 28.6 21.9 32.9

87 13.0 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: 53.406 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD065723.D

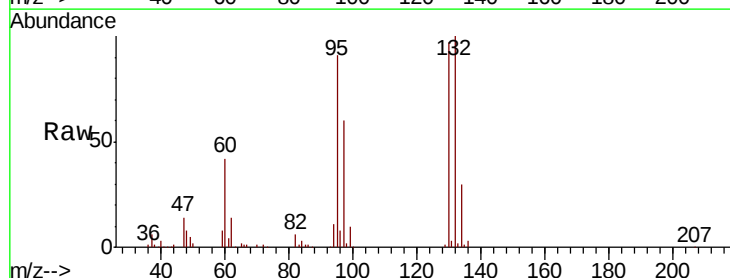
Acq: 08 May 2020 14:48

Tgt Ion:130 Resp: 224616

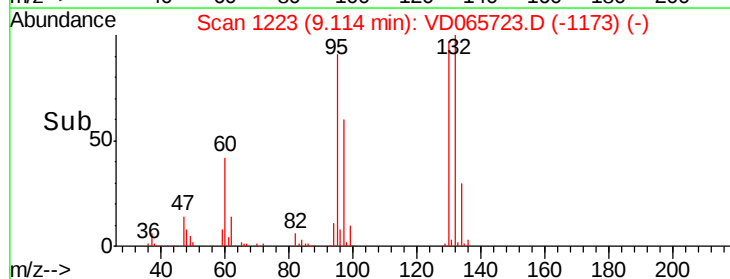
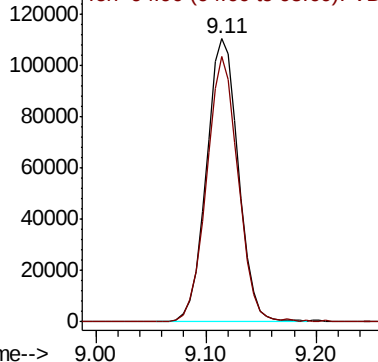
Ion Ratio Lower Upper

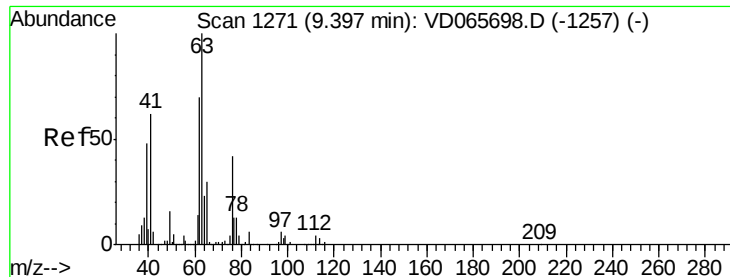
130 100

95 93.6 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: 48.106 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

Instrument :

MSVOA_D

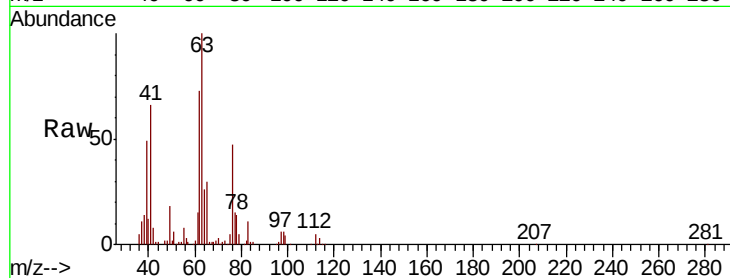
ClientSampled :

Tot Ion: 63 Resp: 189865

Ion Ratio Lower Upper

63 100

65 30.2 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

100000

80000

60000

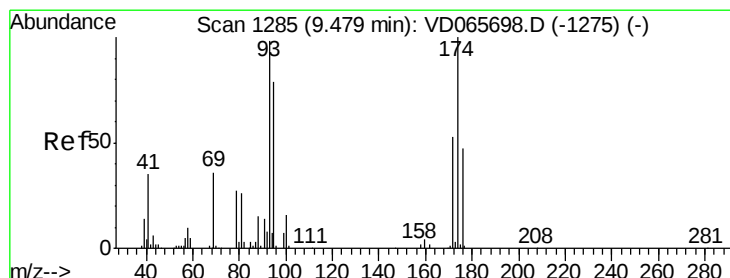
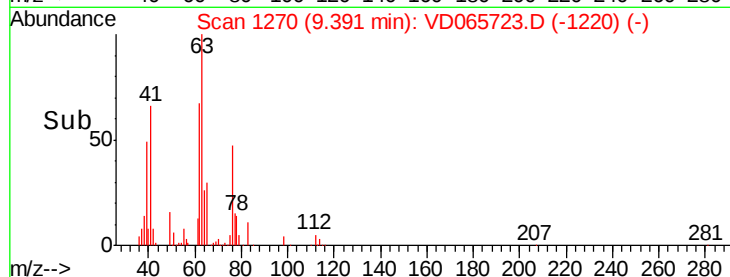
40000

20000

0

Time-->

9.30 9.40 9.50



#46

Dibromomethane

Concen: 49.725 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

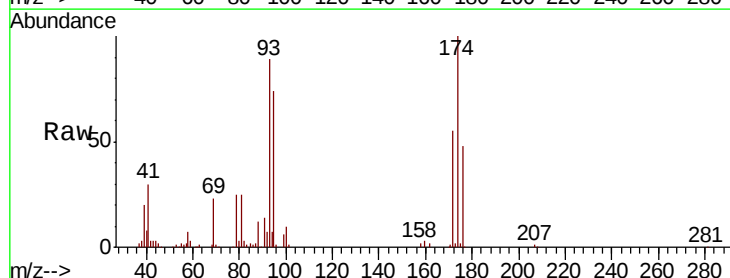
Tgt Ion: 93 Resp: 98444

Ion Ratio Lower Upper

93 100

95 83.1 65.3 97.9

174 113.0 82.7 124.1



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

60000

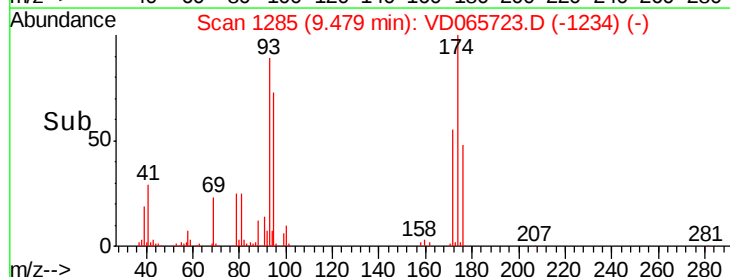
40000

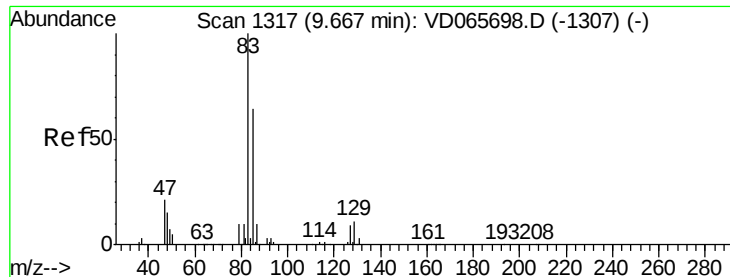
20000

0

Time-->

9.40 9.50 9.60





#47

Bromodichloromethane

Concen: 49.633 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

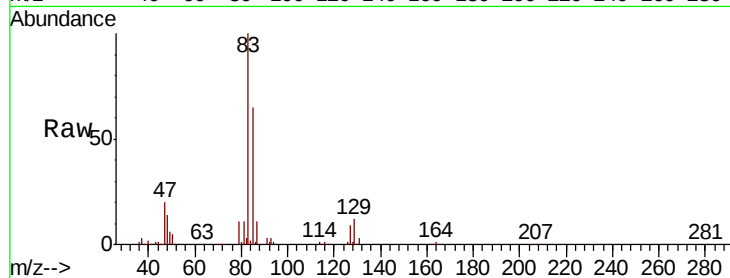
Tot Ion: 83 Resp: 262766

Ion Ratio Lower Upper

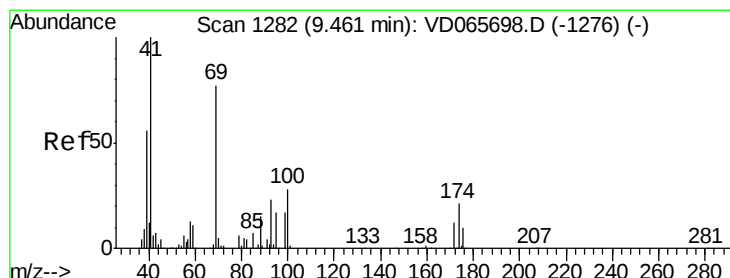
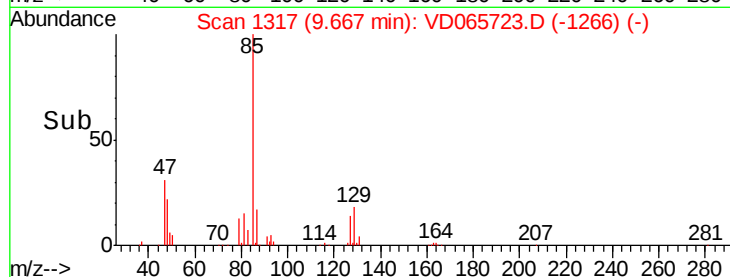
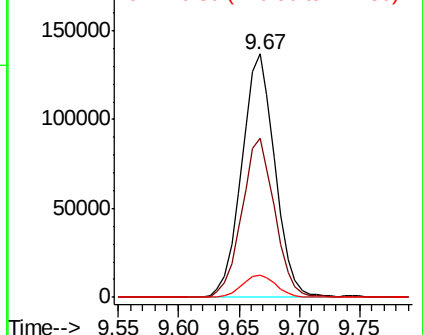
83 100

85 65.2 50.9 76.3

127 9.2 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: 42.638 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

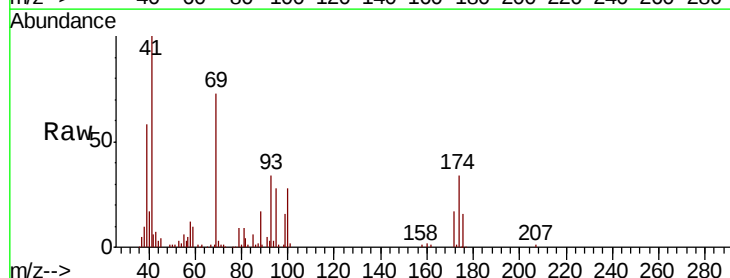
Tgt Ion: 41 Resp: 114878

Ion Ratio Lower Upper

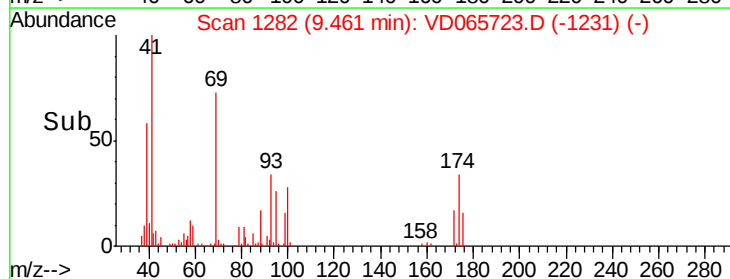
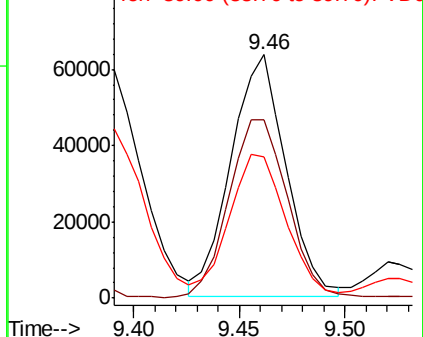
41 100

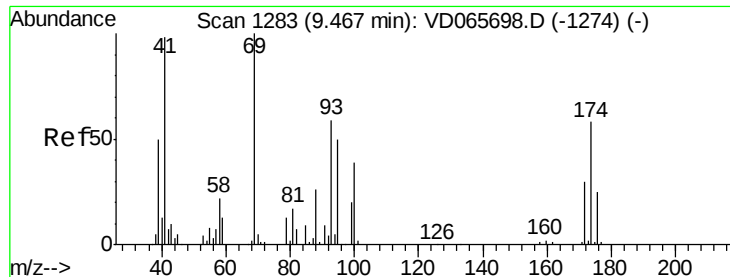
69 80.0 58.2 87.2

39 56.6 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

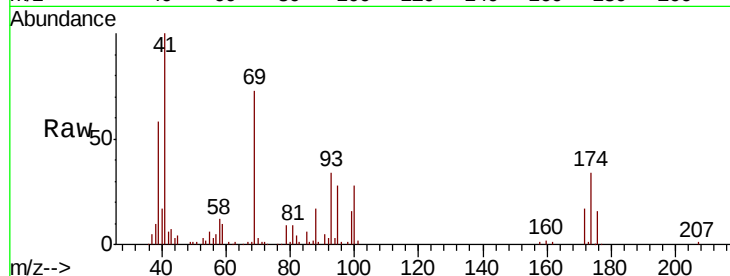




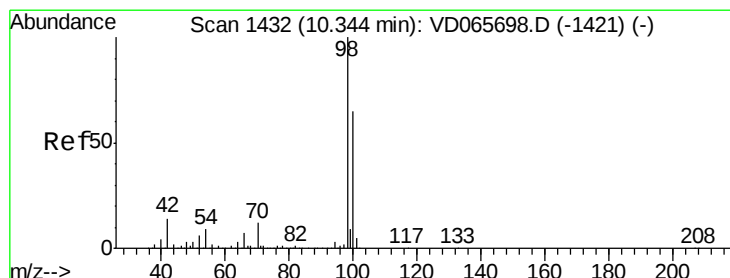
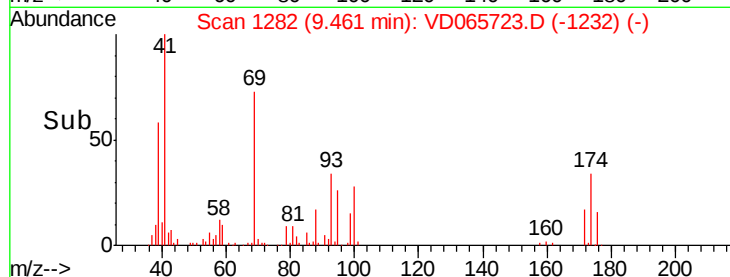
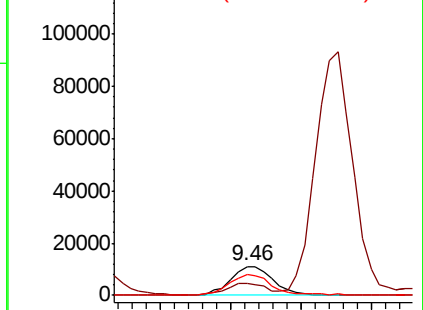
#49
 1,4-Dioxane
 Concen: 950.438 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD065723.D
 Acq: 08 May 2020 14:48

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 23065
 Ion Ratio Lower Upper
 88 100
 43 35.4 31.6 47.4
 58 74.6 60.2 90.4

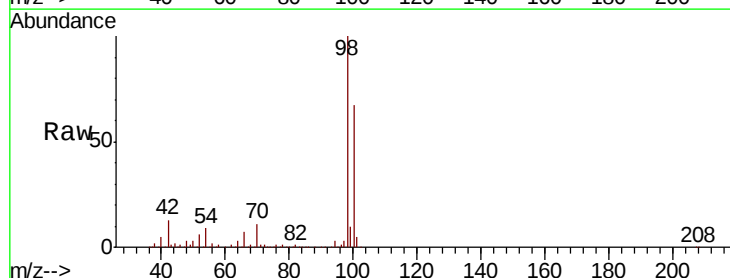


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

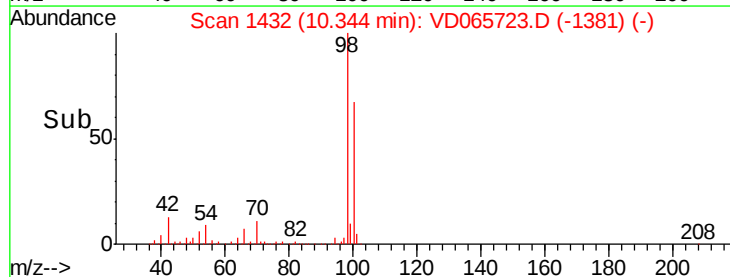
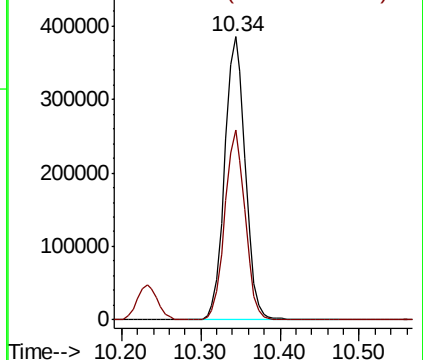


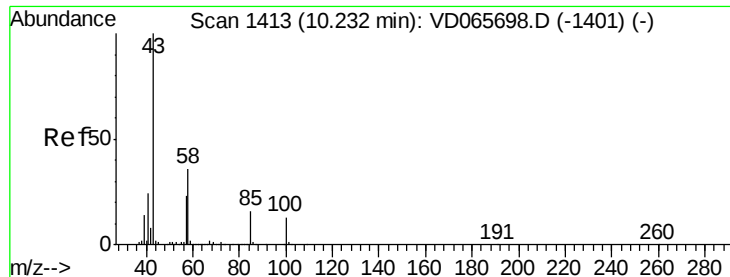
#50
 Toluene-d8
 Concen: 51.200 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD065723.D
 Acq: 08 May 2020 14:48

Tgt Ion: 98 Resp: 691472
 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: 217.453 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

Instrument :

MSVOA_D

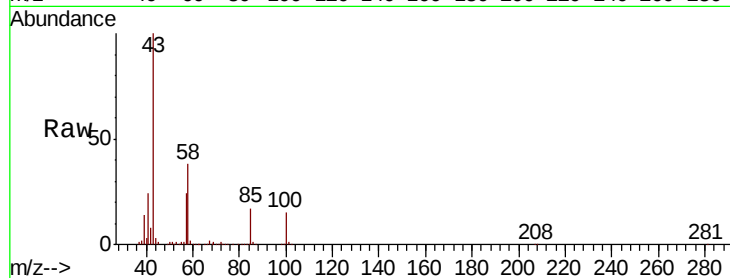
ClientSampleId :

Tot Ion: 43 Resp: 563914

Ion Ratio Lower Upper

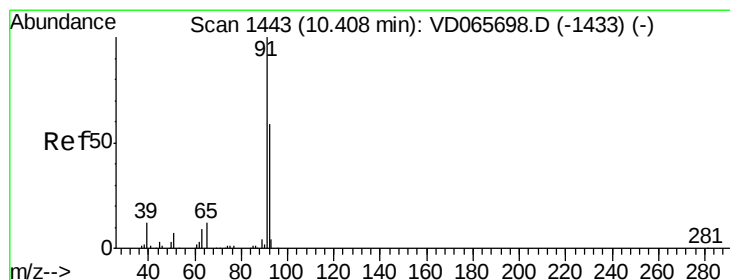
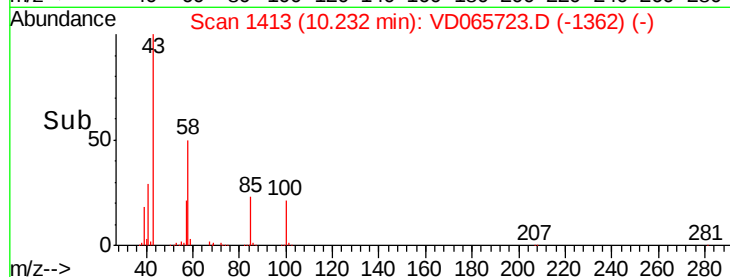
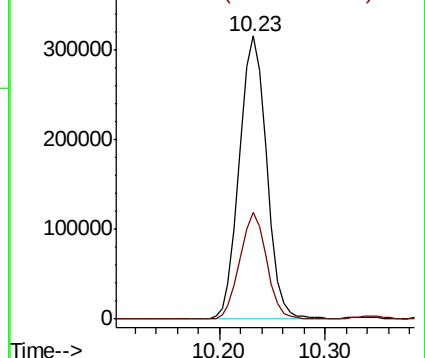
43 100

58 37.0 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 51.702 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065723.D

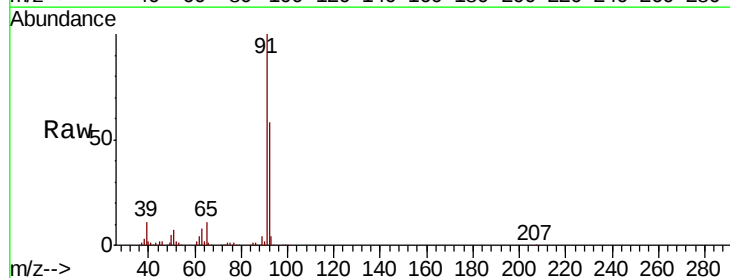
Acq: 08 May 2020 14:48

Tgt Ion: 92 Resp: 498990

Ion Ratio Lower Upper

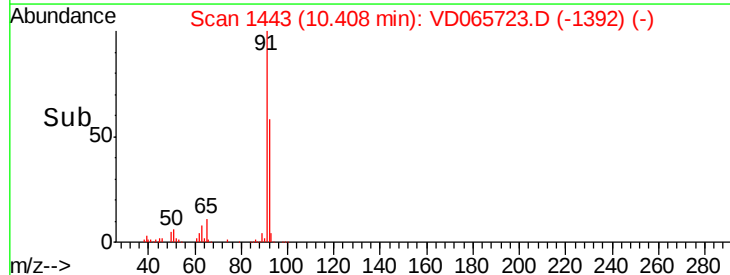
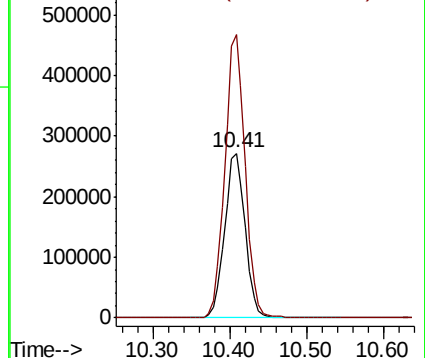
92 100

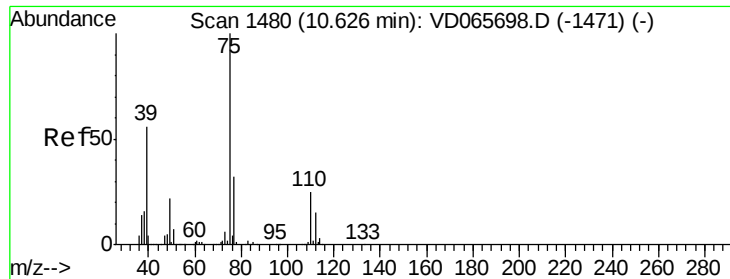
91 170.6 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 48.494 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

Instrument :

MSVOA_D

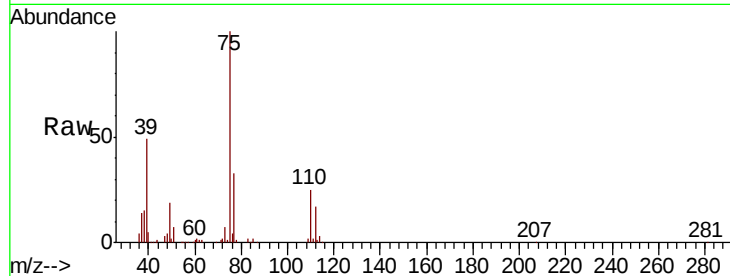
ClientSampleId :

Tot Ion: 75 Resp: 260046

Ion Ratio Lower Upper

75 100

77 33.1 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

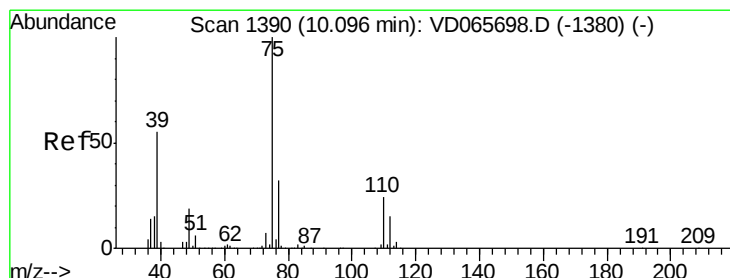
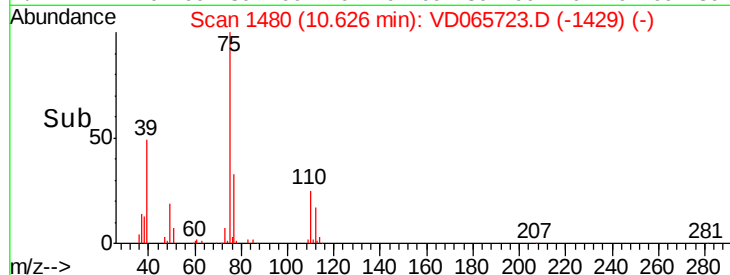
150000

100000

50000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 48.638 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

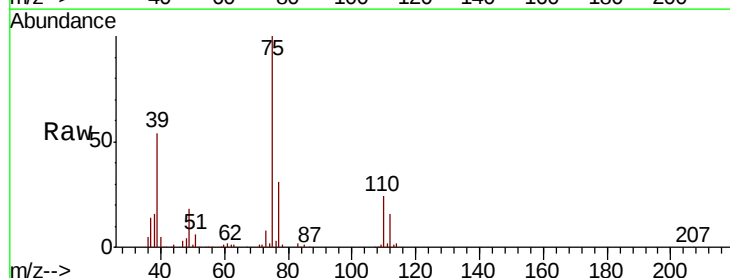
Tgt Ion: 75 Resp: 307262

Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.8

39 53.6 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

200000

150000

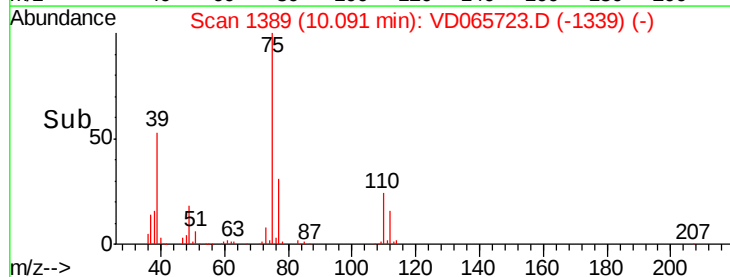
10.09

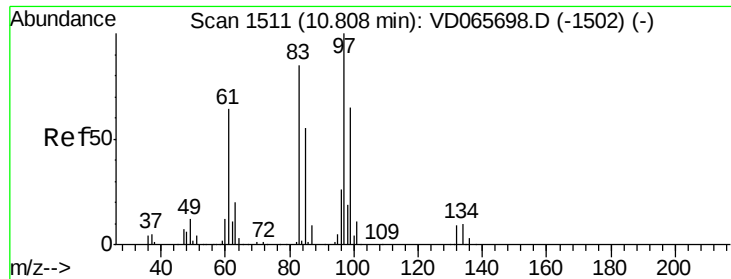
100000

50000

0

Time--> 10.00 10.10 10.20

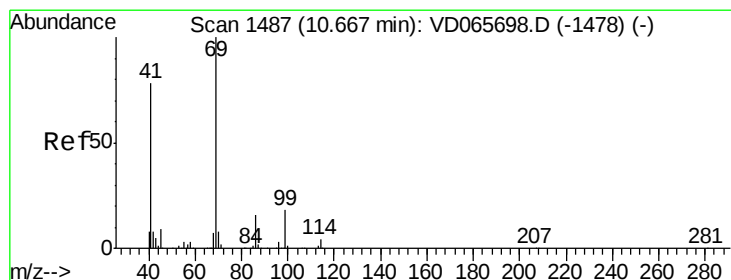
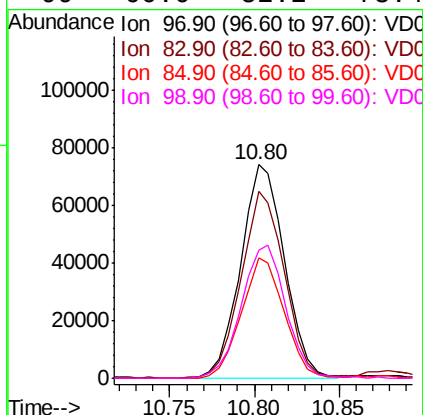
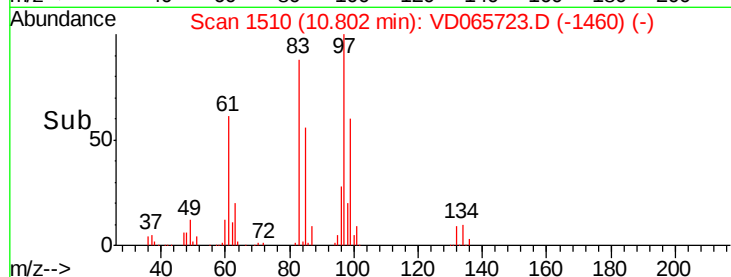
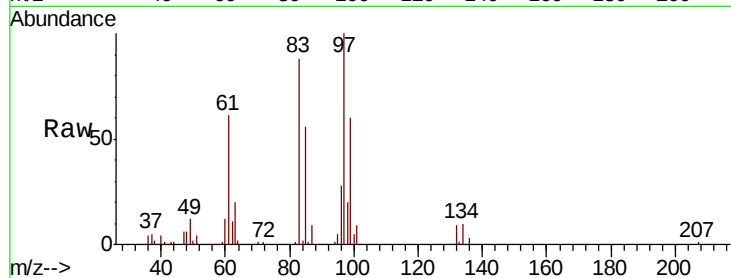




#55
 1,1,2-Trichloroethane
 Concen: 50.264 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065723.D
 Acq: 08 May 2020 14:48

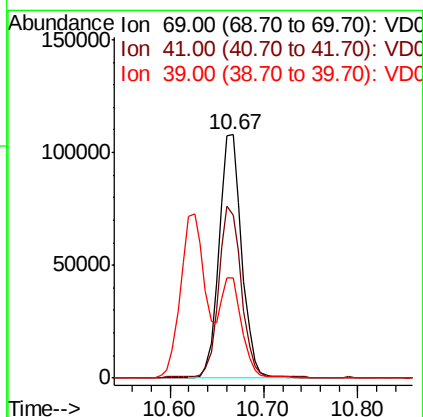
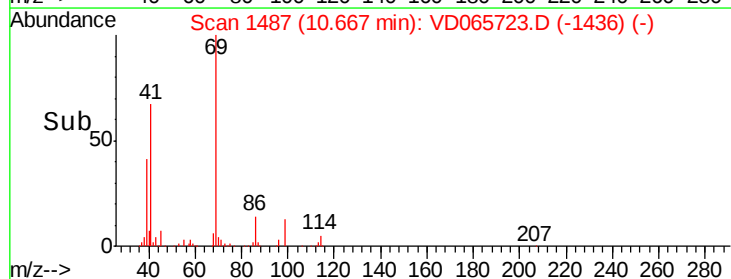
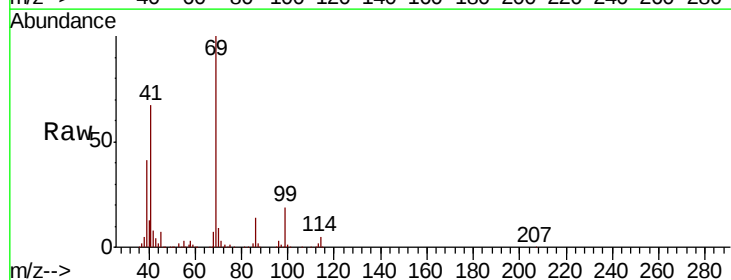
Instrument :
 MSVOA_D
 ClientSampleID :

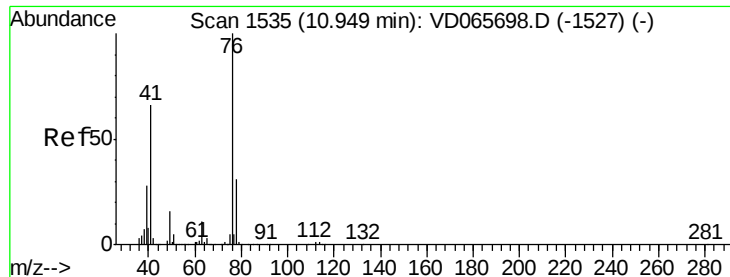
Tot Ion:	97	Resp:	134151
Ion	Ratio	Lower	Upper
97	100		
83	87.3	68.2	102.4
85	56.1	43.6	65.4
99	60.0	52.2	78.4



#56
 Ethyl methacrylate
 Concen: 47.142 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065723.D
 Acq: 08 May 2020 14:48

Tgt Ion:	69	Resp:	181668
Ion	Ratio	Lower	Upper
69	100		
41	70.0	61.4	92.0
39	36.1	32.7	49.1





#57

1,3-Dichloropropane

Concen: 49.048 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

Instrument :

MSVOA_D

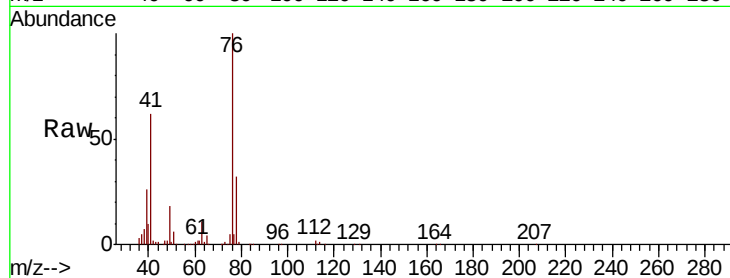
ClientSampleId :

Tot Ion: 76 Resp: 235344

Ion Ratio Lower Upper

76 100

78 31.8 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

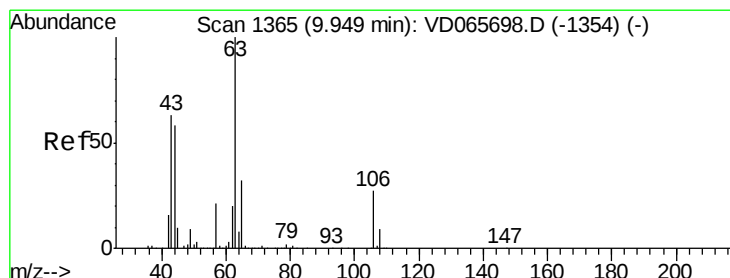
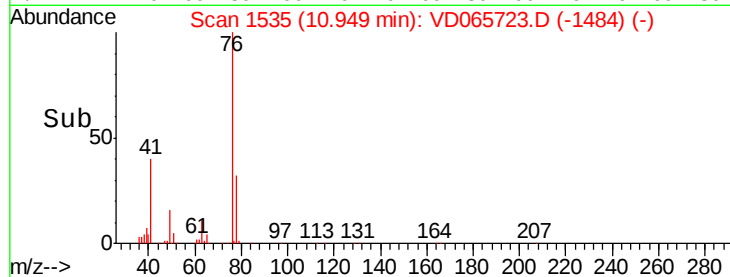
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 223.641 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065723.D

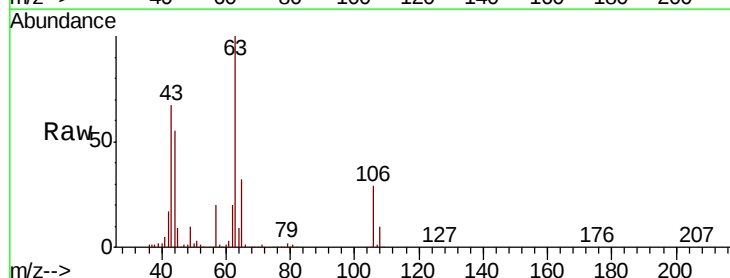
Acq: 08 May 2020 14:48

Tgt Ion: 63 Resp: 395648

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

9.94

250000

200000

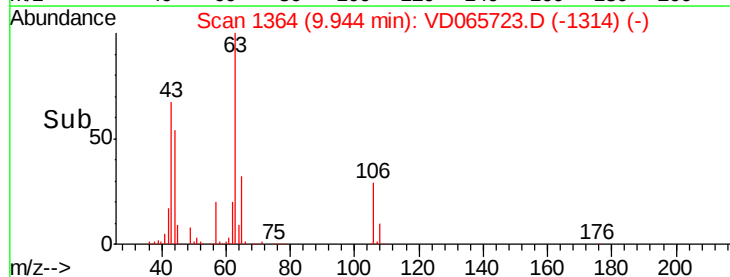
150000

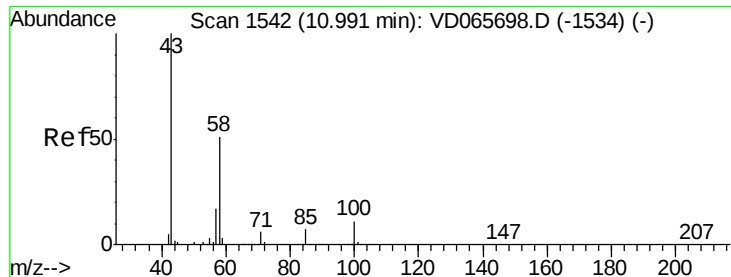
100000

50000

0

Time-->

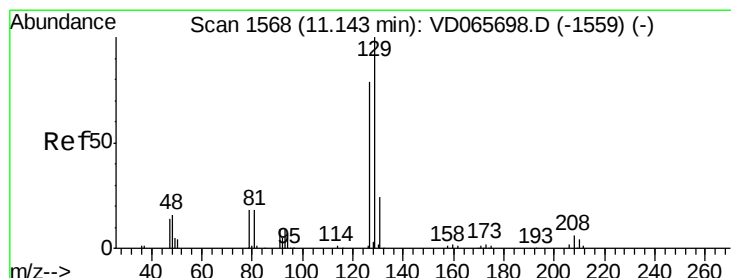
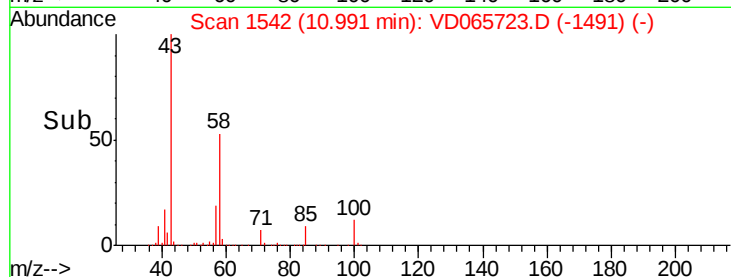
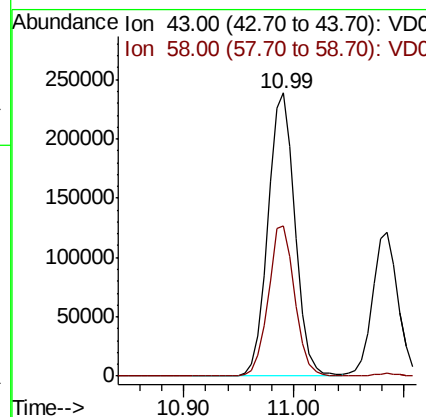
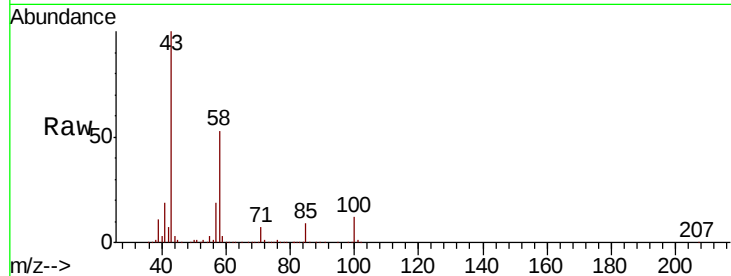




#59
2-Hexanone
Concen: 229.251 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065723.D
Acq: 08 May 2020 14:48

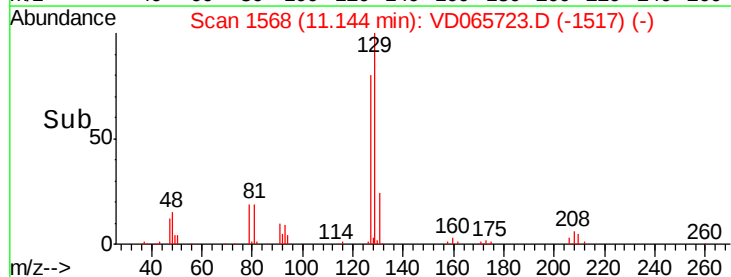
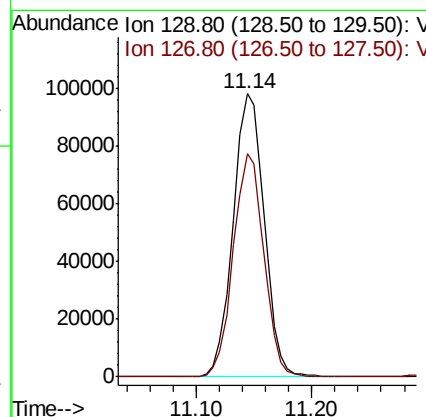
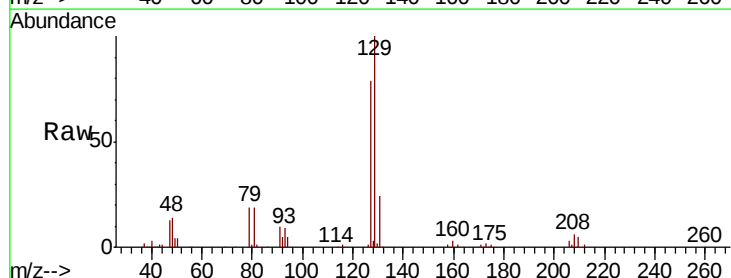
Instrument :
MSVOA_D
ClientSampleId :

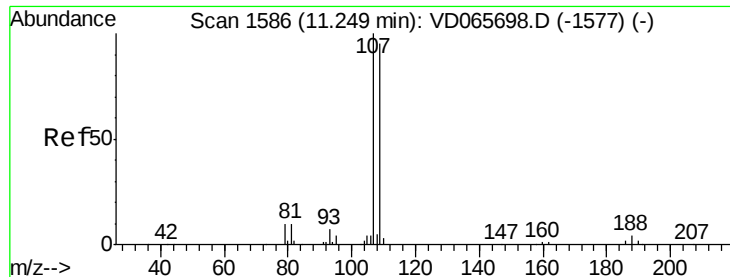
Tot Ion: 43 Resp: 408904
Ion Ratio Lower Upper
43 100
58 52.3 25.4 76.0



#60
Dibromochloromethane
Concen: 51.109 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065723.D
Acq: 08 May 2020 14:48

Tgt Ion: 129 Resp: 183237
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.6

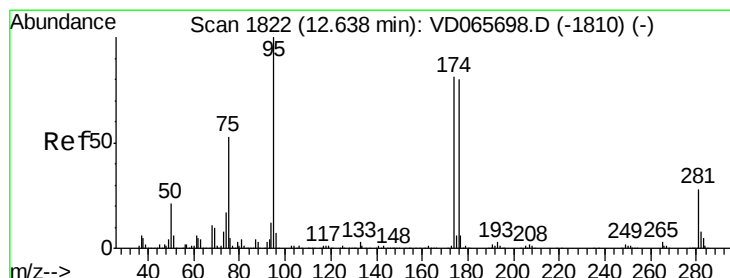
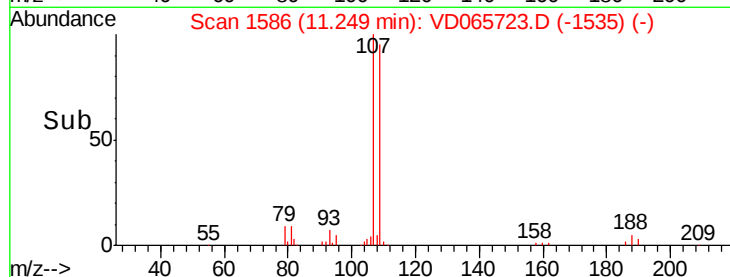
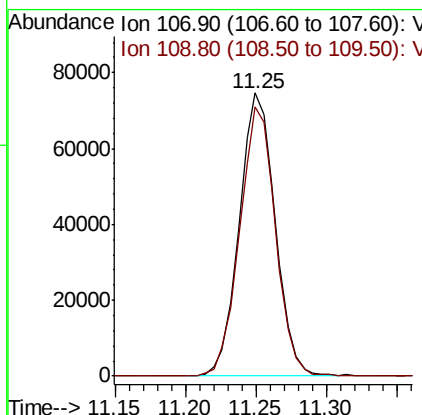
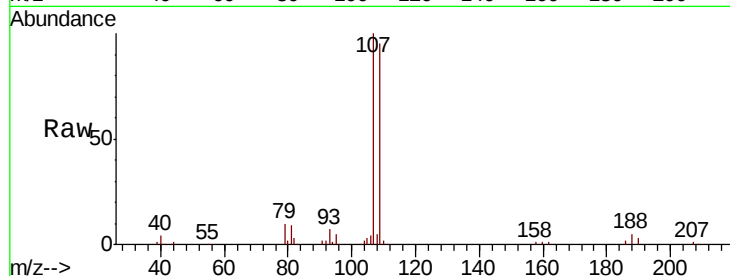




#61
 1,2-Dibromoethane
 Concen: 49.358 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065723.D
 Acq: 08 May 2020 14:48

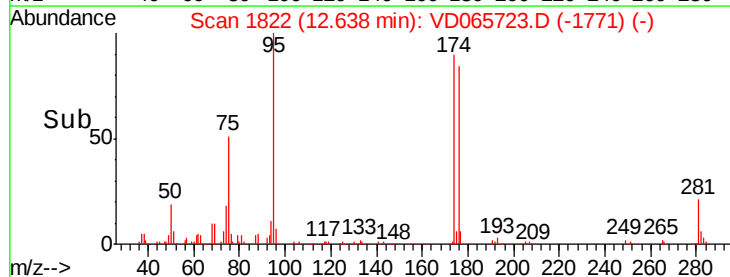
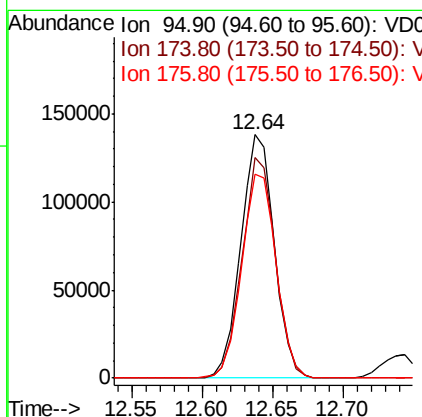
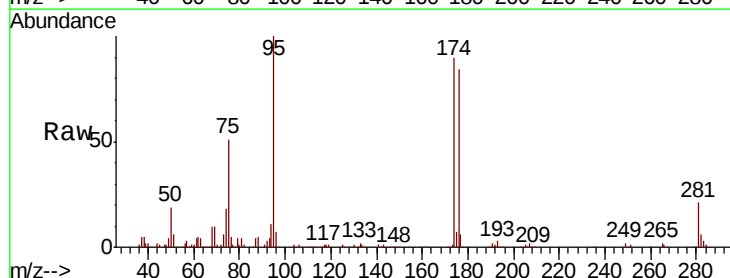
Instrument :
 MSVOA_D
 ClientSampleId :

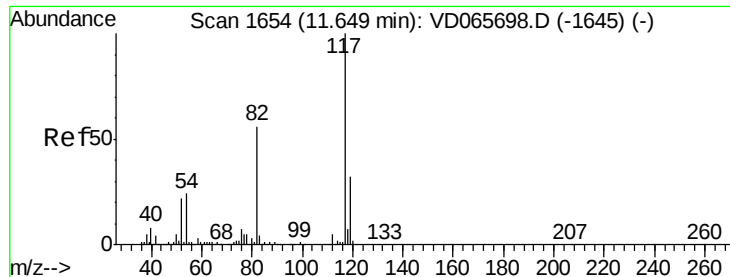
Tot Ion:107 Resp: 132544
 Ion Ratio Lower Upper
 107 100
 109 94.8 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 47.832 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065723.D
 Acq: 08 May 2020 14:48

Tgt Ion: 95 Resp: 229006
 Ion Ratio Lower Upper
 95 100
 174 90.3 0.0 162.6
 176 86.7 0.0 159.0

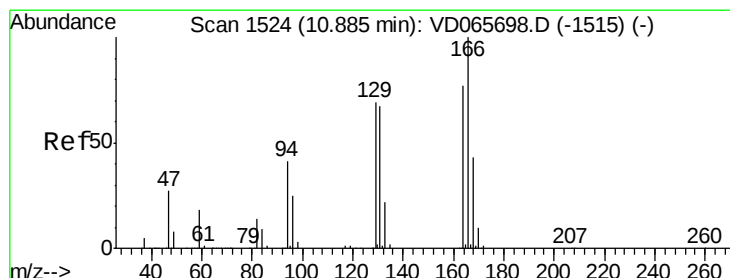
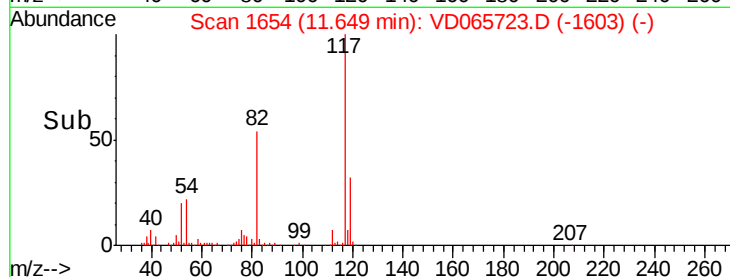
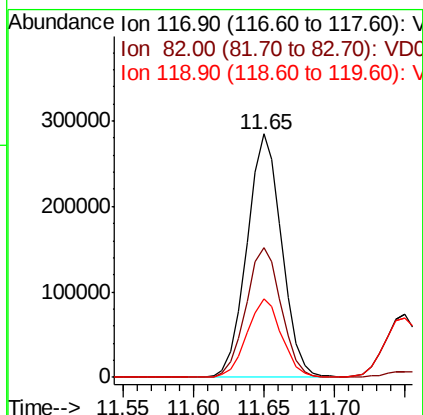
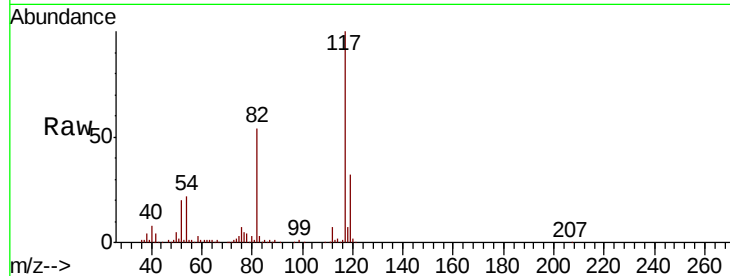




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065723.D
Acq: 08 May 2020 14:48

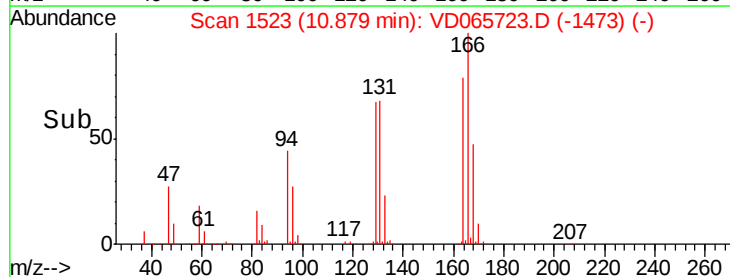
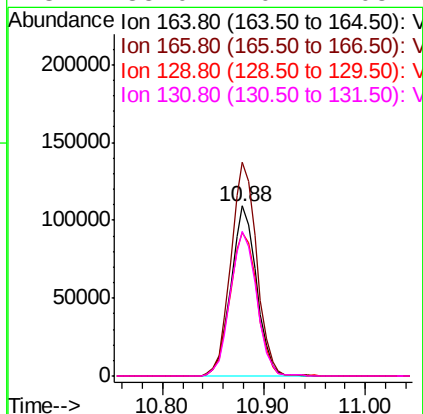
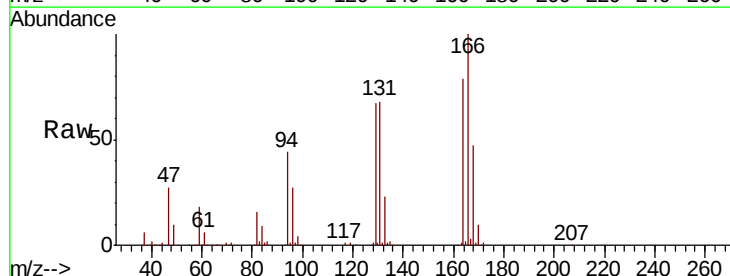
Instrument :
MSVOA_D
ClientSampleId :

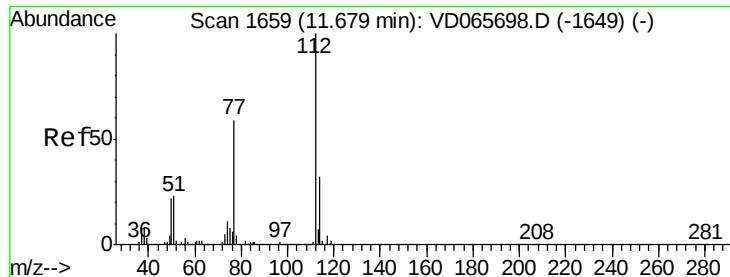
Tot Ion:117 Resp: 491634
Ion Ratio Lower Upper
117 100
82 53.5 44.9 67.3
119 32.3 25.4 38.2



#64
Tetrachloroethene
Concen: 54.729 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.01 min
Lab File: VD065723.D
Acq: 08 May 2020 14:48

Tgt Ion:164 Resp: 191483
Ion Ratio Lower Upper
164 100
166 125.9 104.3 156.5
129 84.9 71.9 107.9
131 85.0 70.2 105.2





#65

Chlorobenzene

Concen: 52.883 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

Instrument :

MSVOA_D

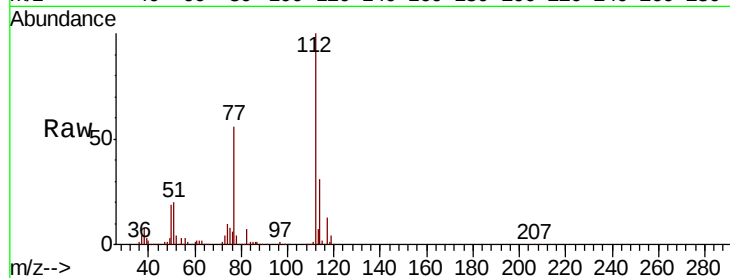
ClientSampleId :

Tot Ion:112 Resp: 523815

Ion Ratio Lower Upper

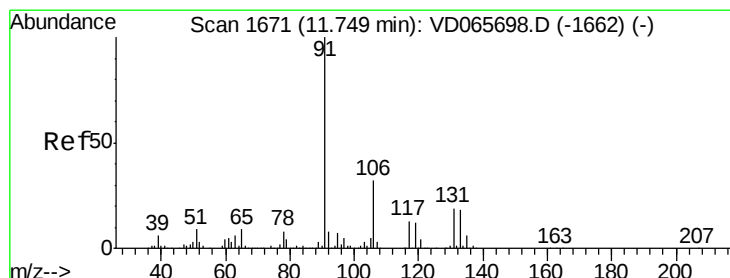
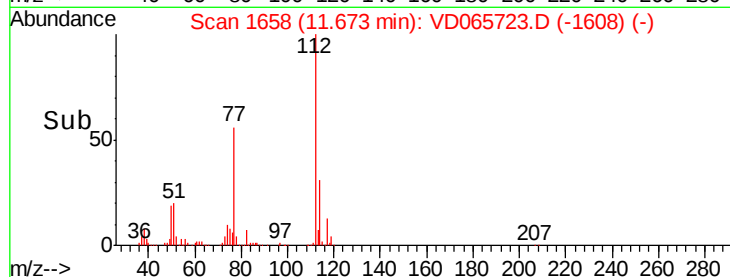
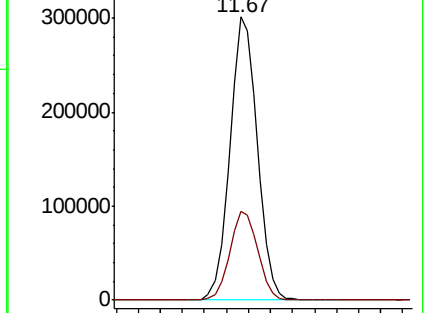
112 100

114 31.3 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: 52.491 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

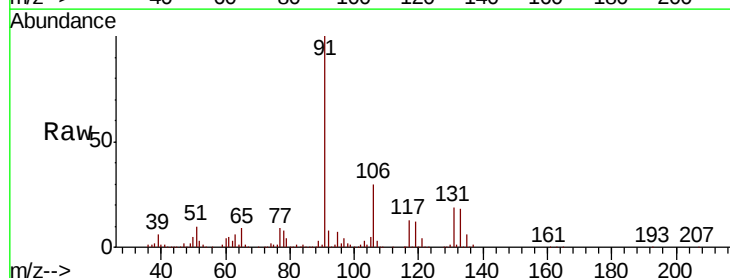
Tgt Ion:131 Resp: 193858

Ion Ratio Lower Upper

131 100

133 95.9 47.3 141.8

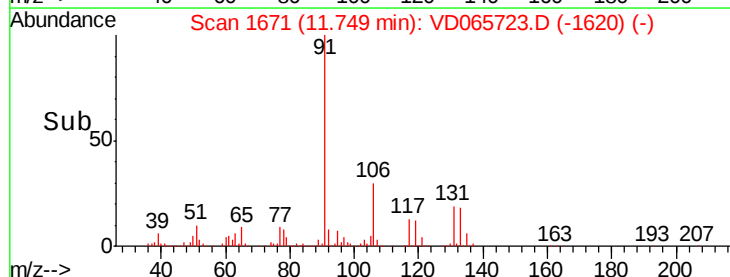
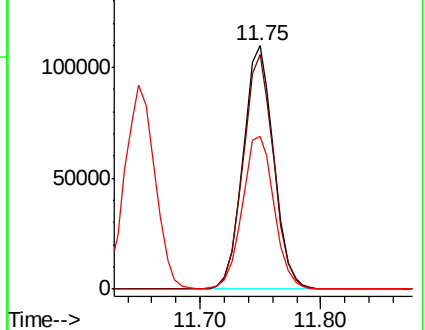
119 65.5 31.8 95.4

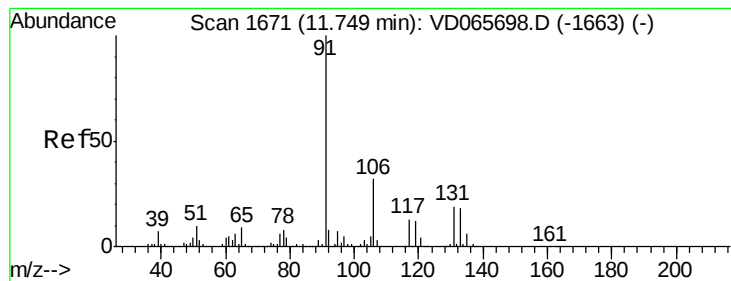


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 51.495 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

Instrument :

MSVOA_D

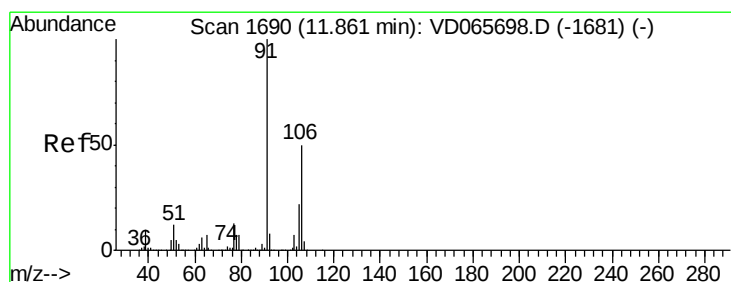
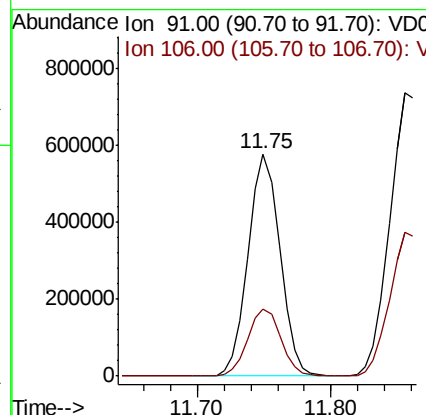
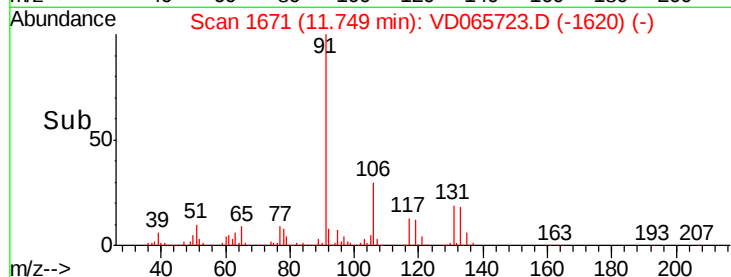
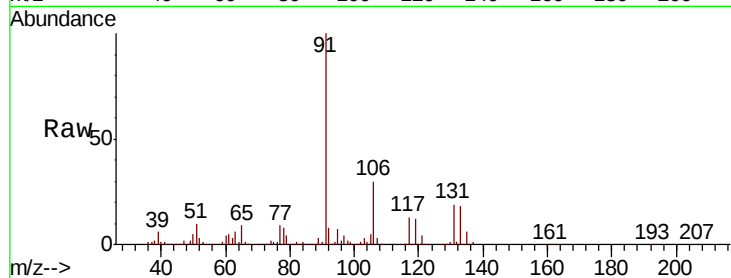
ClientSampled :

Tot Ion: 91 Resp: 951560

Ion Ratio Lower Upper

91 100

106 30.3 25.2 37.8



#68

m/p-Xylenes

Concen: 105.715 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065723.D

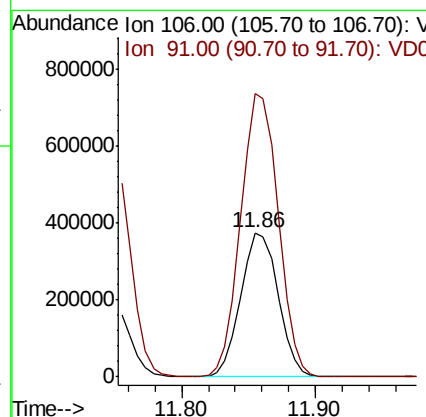
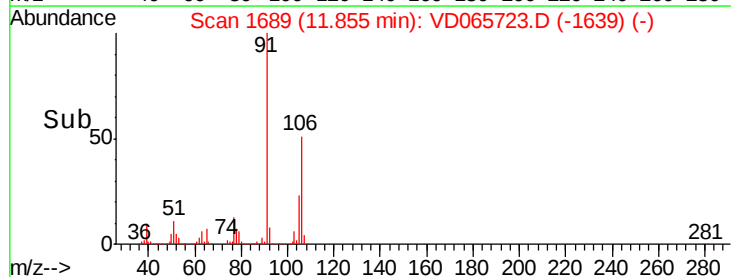
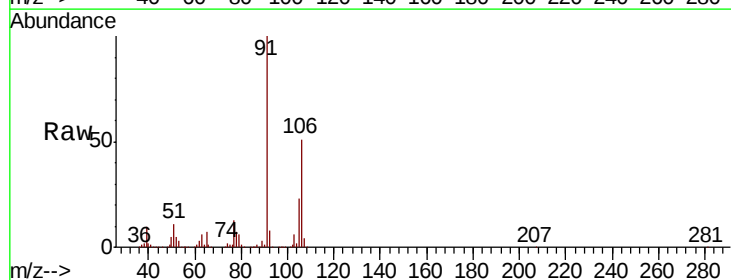
Acq: 08 May 2020 14:48

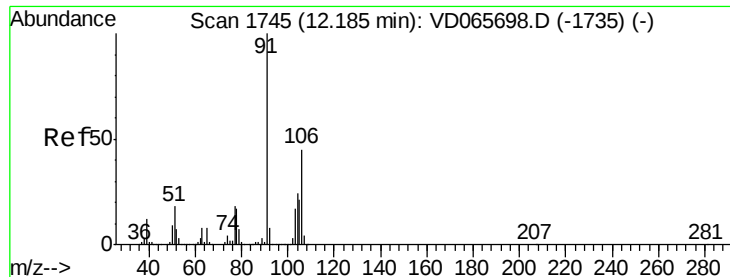
Tgt Ion: 106 Resp: 728250

Ion Ratio Lower Upper

106 100

91 197.4 163.1 244.7

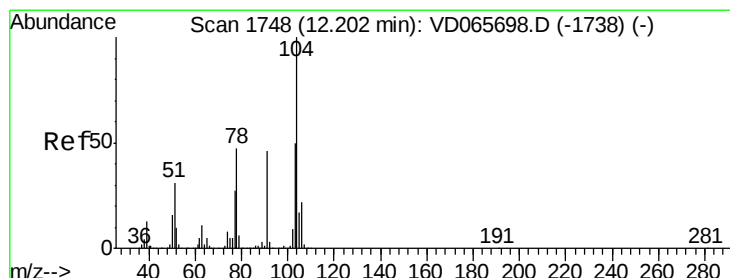
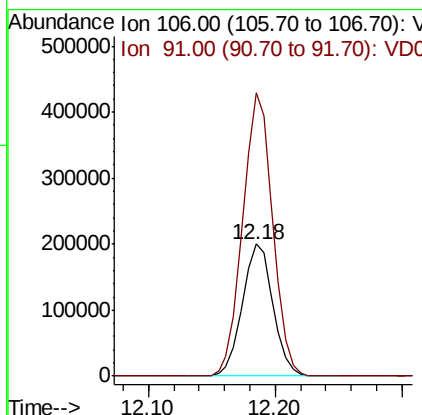
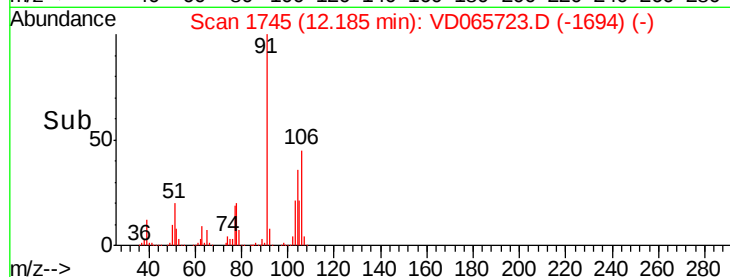
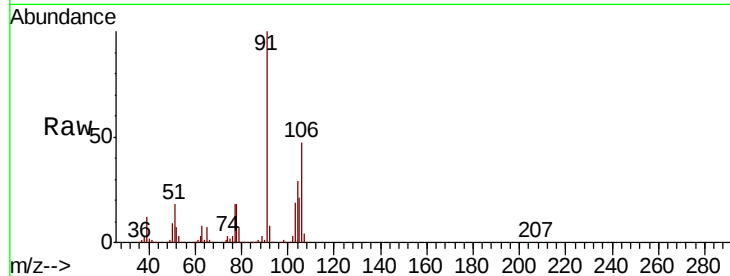




#69
o-Xylene
Concen: 52.005 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065723.D
Acq: 08 May 2020 14:48

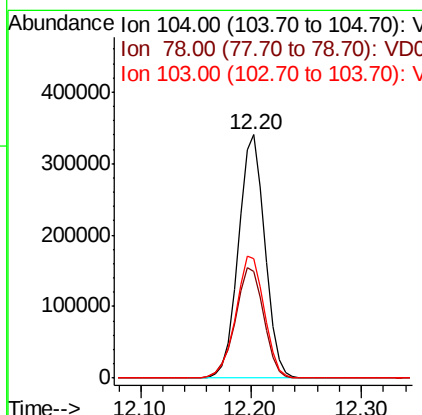
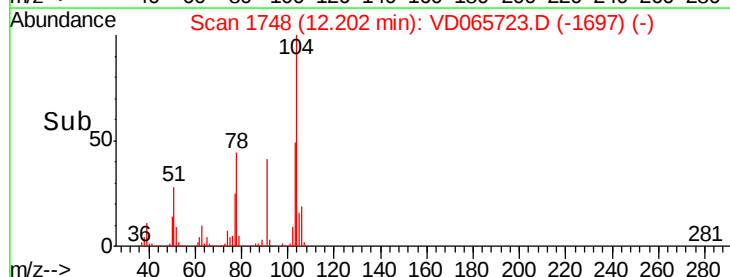
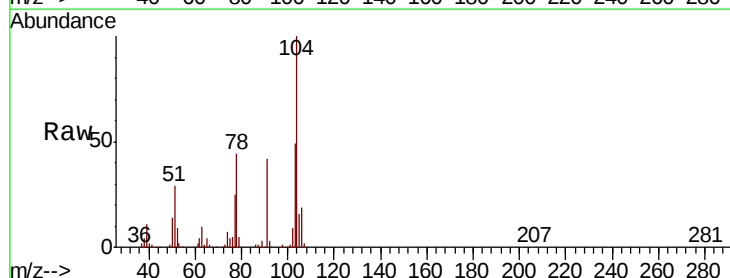
Instrument :
MSVOA_D
ClientSampled :

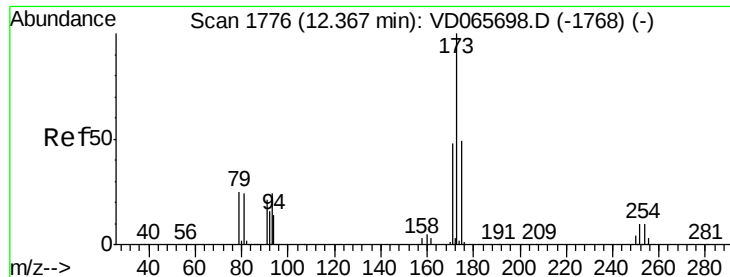
Tot Ion:106 Resp: 334293
Ion Ratio Lower Upper
106 100
91 210.5 107.9 323.7



#70
Styrene
Concen: 51.908 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065723.D
Acq: 08 May 2020 14:48

Tgt Ion:104 Resp: 573689
Ion Ratio Lower Upper
104 100
78 49.1 41.0 61.4
103 54.2 43.8 65.6

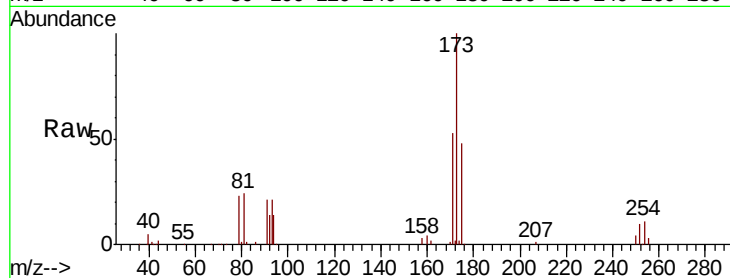




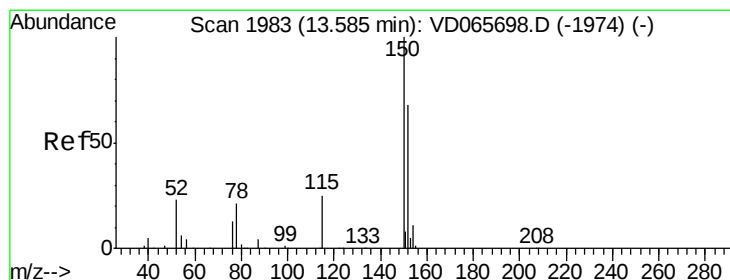
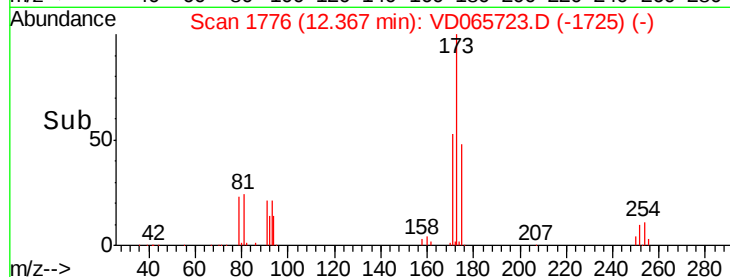
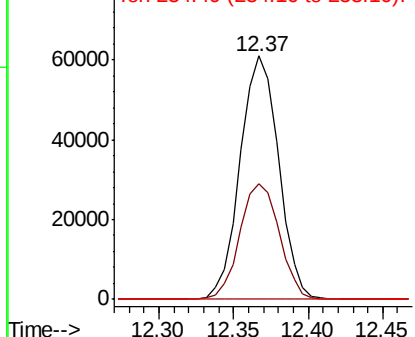
#71
Bromoform
Concen: 52.533 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065723.D
Acq: 08 May 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.5	73.5
254	0.0	0.0	0.0

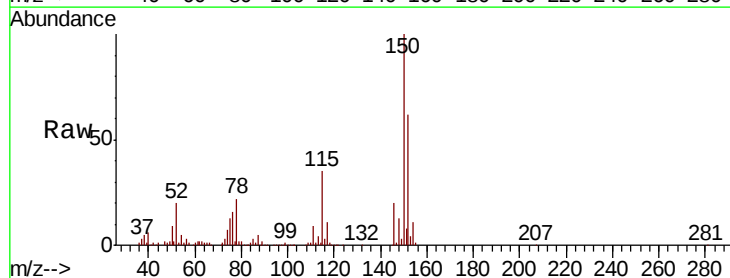


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

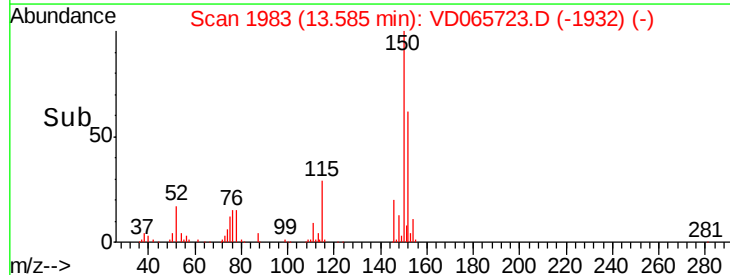
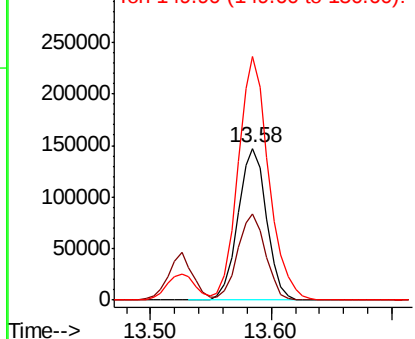


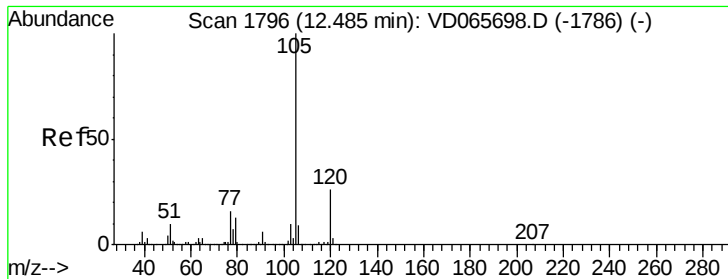
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065723.D
Acq: 08 May 2020 14:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	29.5	88.5
150	172.1	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: 50.474 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

Instrument :

MSVOA_D

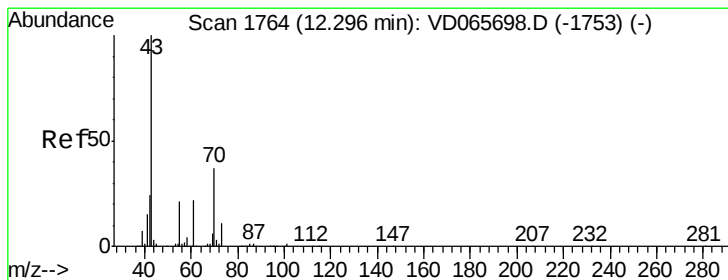
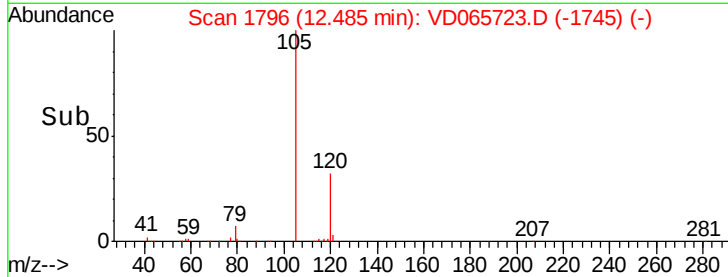
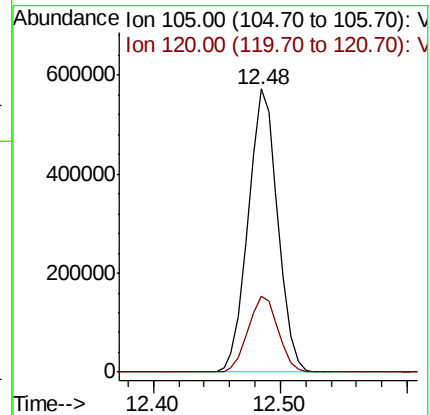
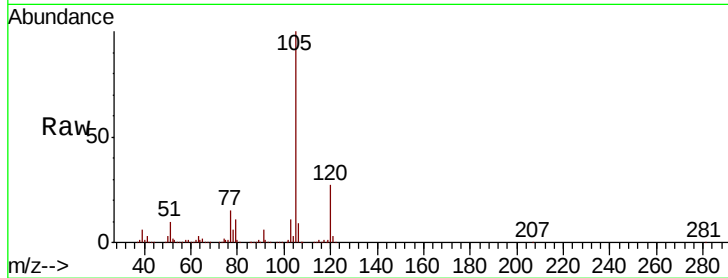
ClientSampleId :

Tot Ion:105 Resp: 924042

Ion Ratio Lower Upper

105 100

120 27.2 13.4 40.2



#74

N-ethyl acetate

Concen: 42.356 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

Tgt Ion: 43 Resp: 221367

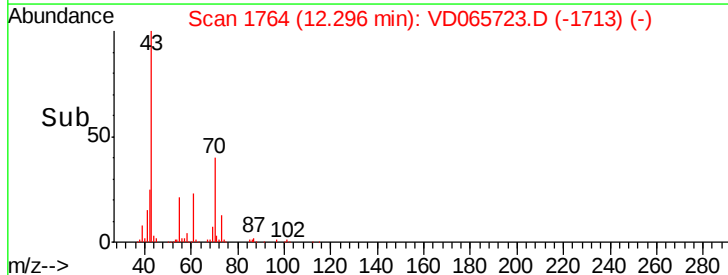
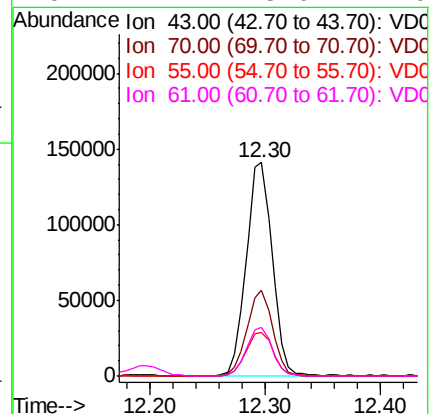
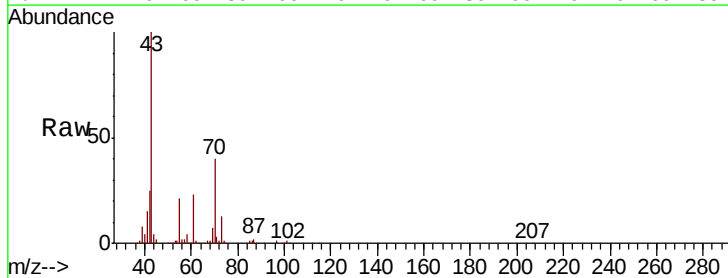
Ion Ratio Lower Upper

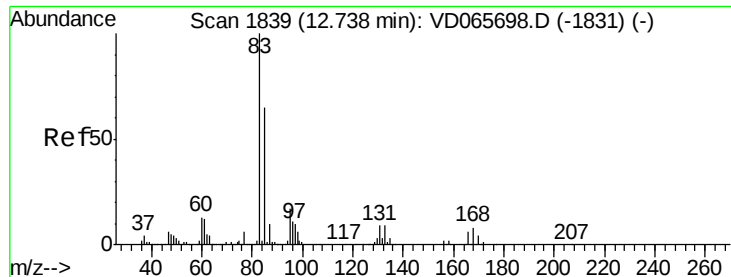
43 100

70 39.5 29.3 43.9

55 21.4 16.4 24.6

61 22.7 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.181 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

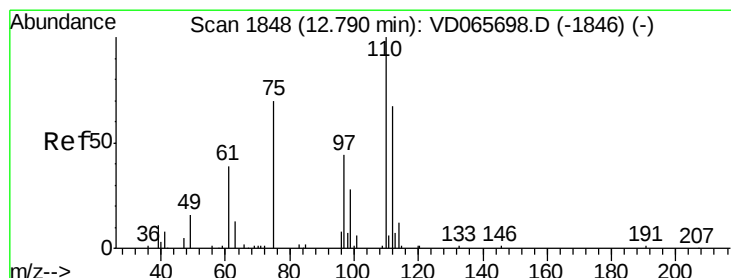
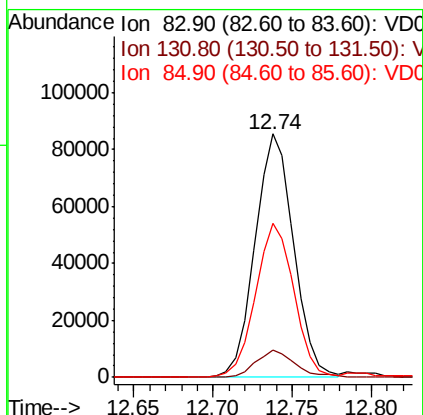
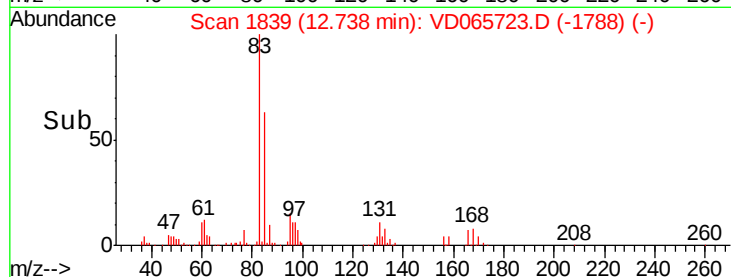
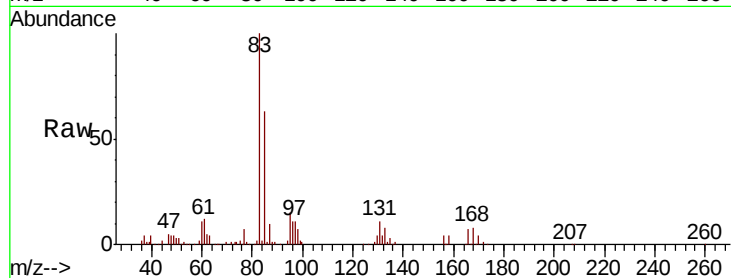
Tot Ion: 83 Resp: 144841

Ion Ratio Lower Upper

83 100

131 11.5 5.5 16.7

85 62.6 31.9 95.9



#76

1,2,3-Trichloropropane

Concen: 94.755 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065723.D

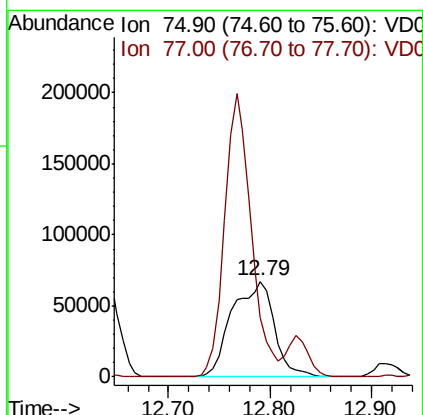
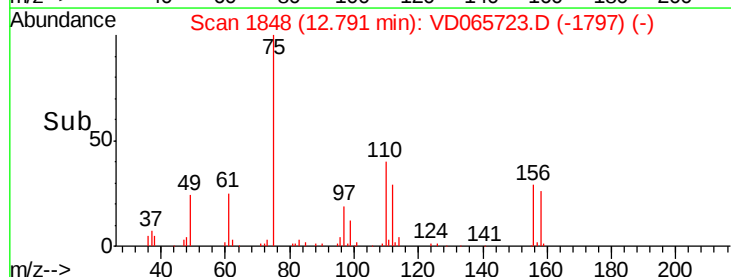
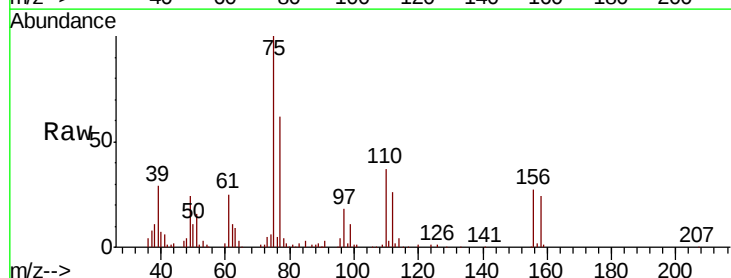
Acq: 08 May 2020 14:48

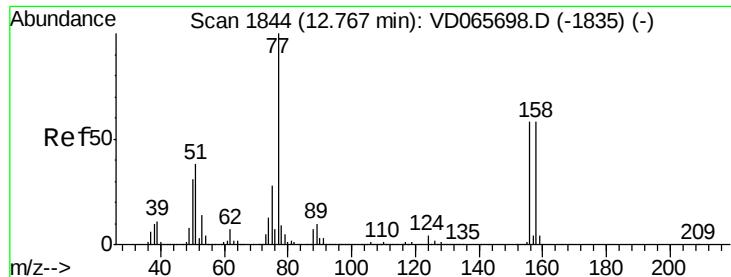
Tgt Ion: 75 Resp: 193370

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 52.318 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

Instrument :

MSVOA_D

ClientSampled :

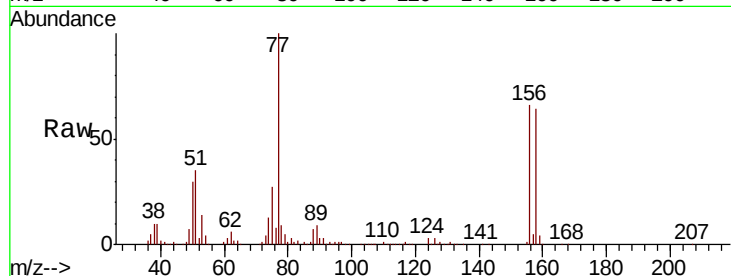
Tot Ion:156 Resp: 219631

Ion Ratio Lower Upper

156 100

77 166.1 92.9 278.7

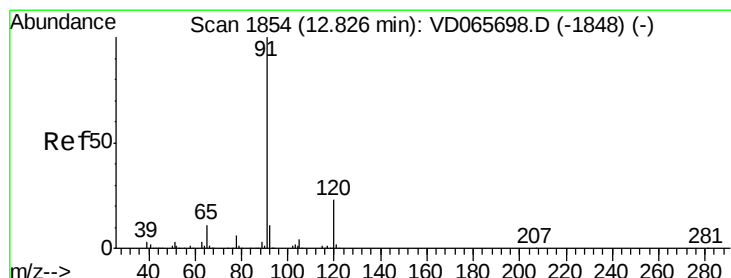
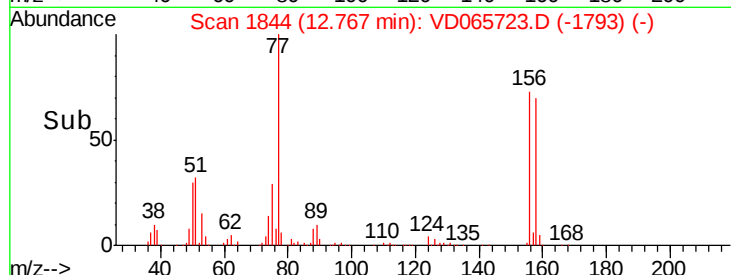
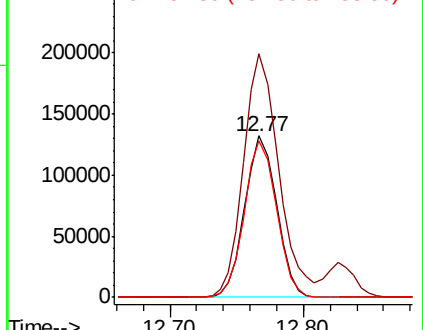
158 97.0 48.9 146.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.015 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065723.D

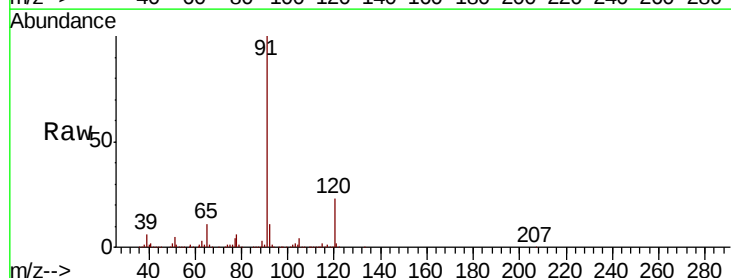
Acq: 08 May 2020 14:48

Tgt Ion: 91 Resp: 1078149

Ion Ratio Lower Upper

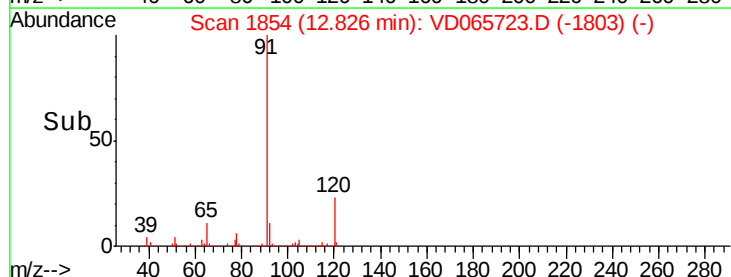
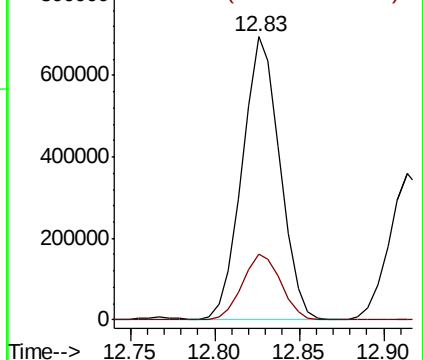
91 100

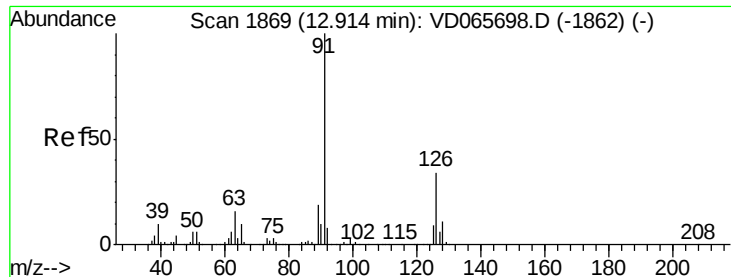
120 23.7 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

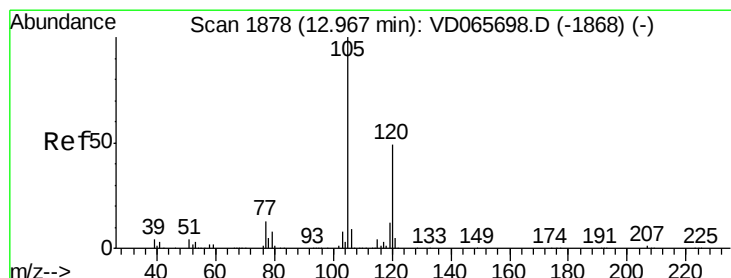
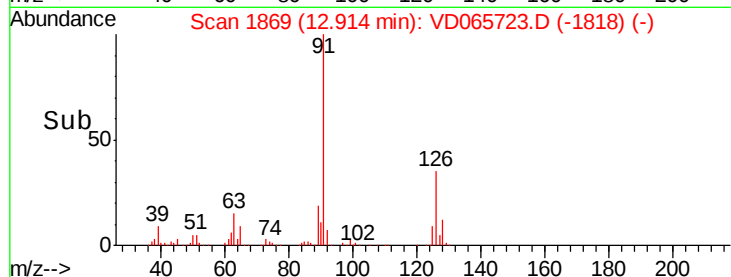
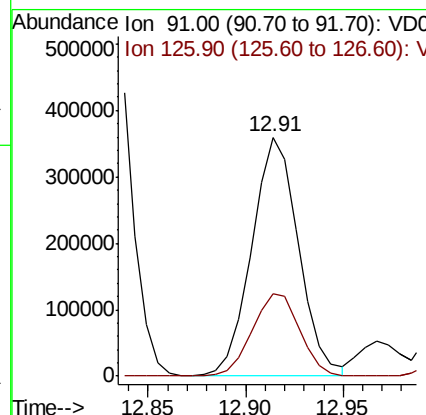
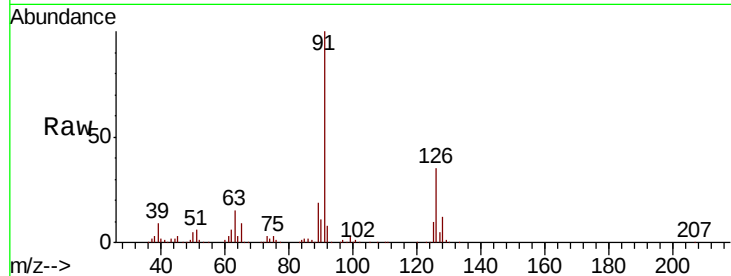




#79
 2-Chlorotoluene
 Concen: 48.935 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065723.D
 Acq: 08 May 2020 14:48

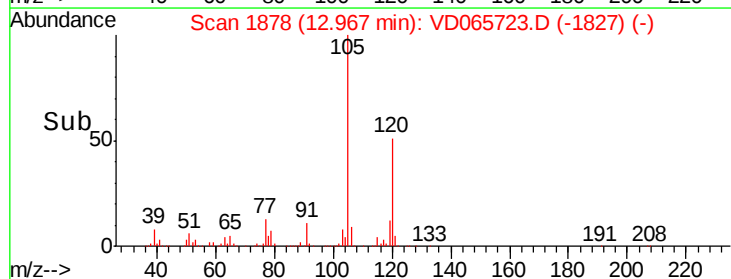
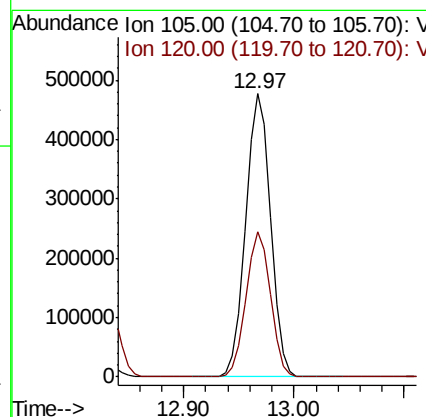
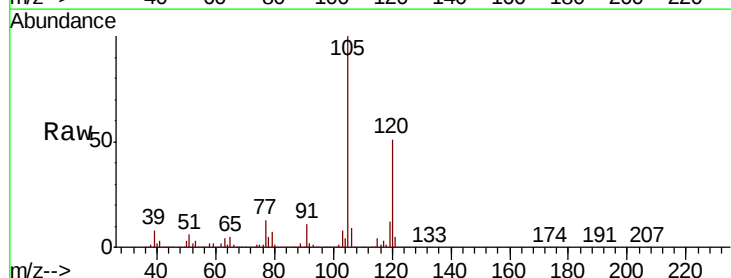
Instrument :
 MSVOA_D
 ClientSampled :

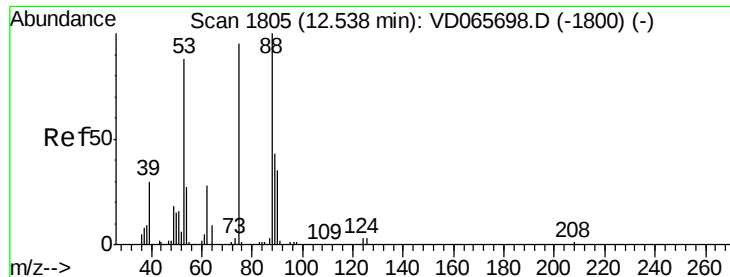
Tot Ion: 91 Resp: 595989
 Ion Ratio Lower Upper
 91 100
 126 35.2 16.9 50.6



#80
 1,3,5-Trimethylbenzene
 Concen: 50.405 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065723.D
 Acq: 08 May 2020 14:48

Tgt Ion: 105 Resp: 757591
 Ion Ratio Lower Upper
 105 100
 120 50.6 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 45.062 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

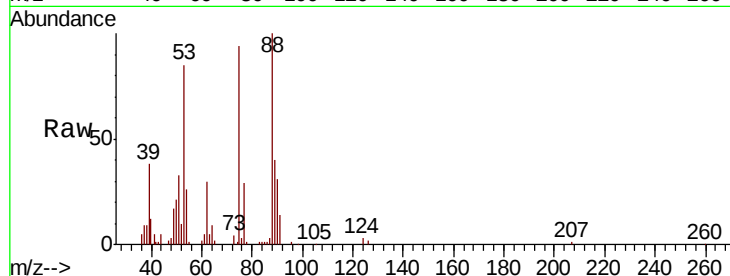
Tot Ion: 75 Resp: 51950

Ion Ratio Lower Upper

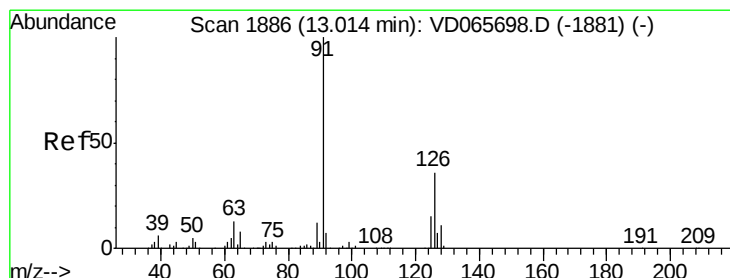
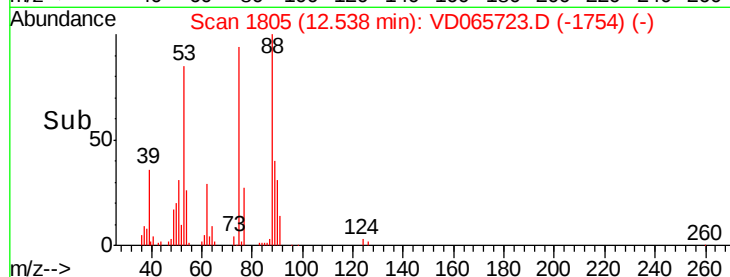
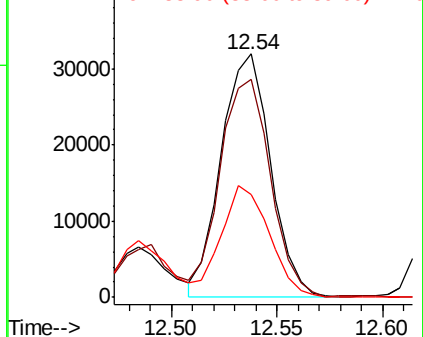
75 100

53 90.7 75.8 113.8

89 45.0 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: 48.382 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065723.D

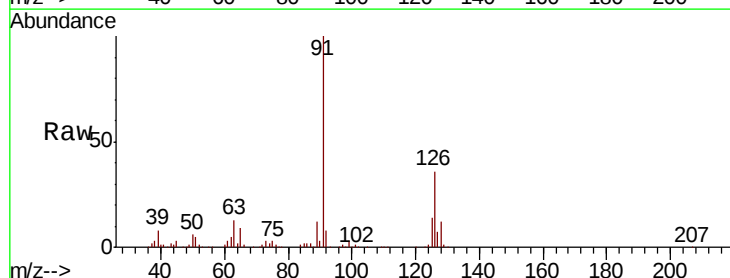
Acq: 08 May 2020 14:48

Tgt Ion: 91 Resp: 616621

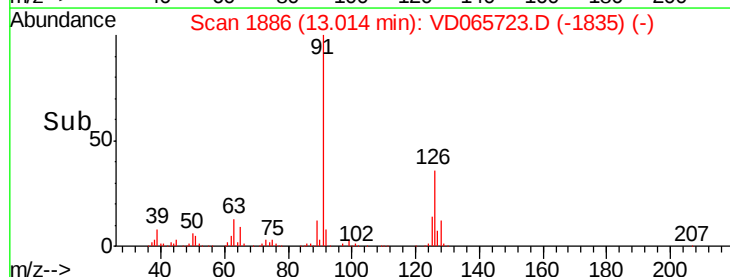
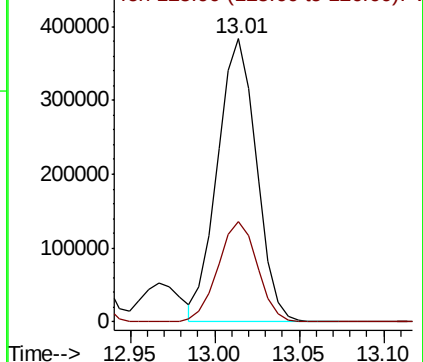
Ion Ratio Lower Upper

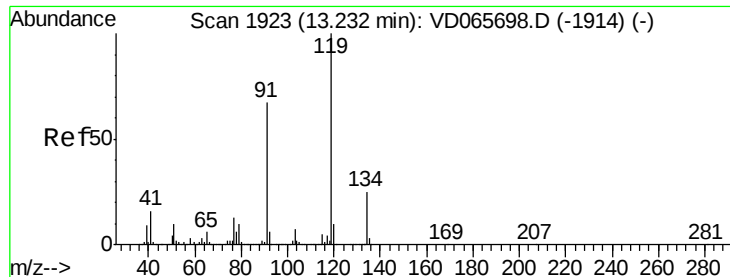
91 100

126 35.8 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: 51.639 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

Instrument :

MSVOA_D

ClientSampled :

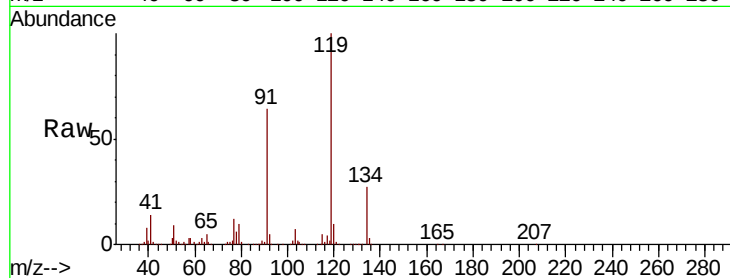
Tot Ion:119 Resp: 660646

Ion Ratio Lower Upper

119 100

91 64.9 33.6 100.8

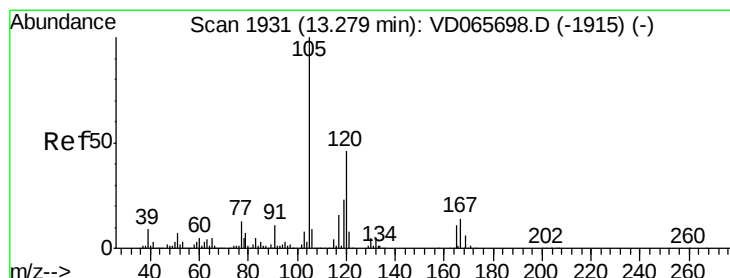
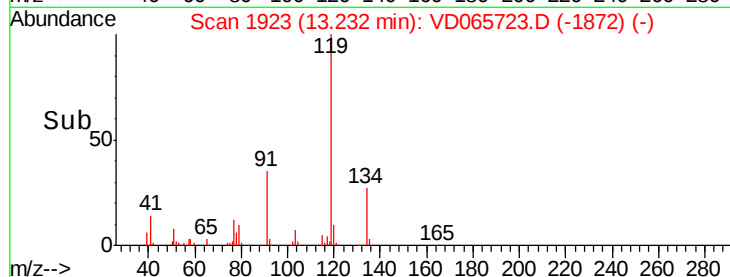
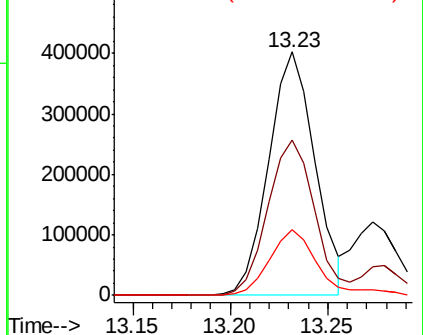
134 28.3 13.6 40.8



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: 49.623 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. 0.00 min

Lab File: VD065723.D

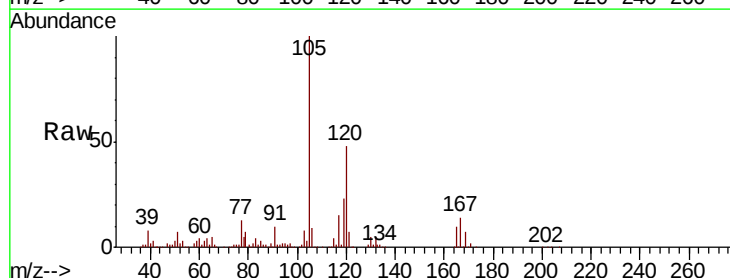
Acq: 08 May 2020 14:48

Tgt Ion:105 Resp: 742952

Ion Ratio Lower Upper

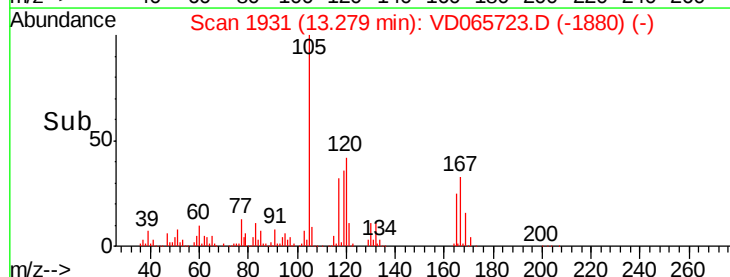
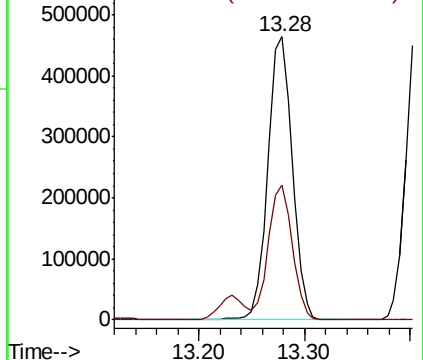
105 100

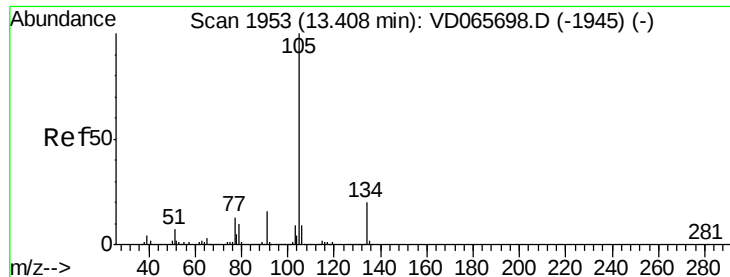
120 46.5 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.732 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

Instrument :

MSVOA_D

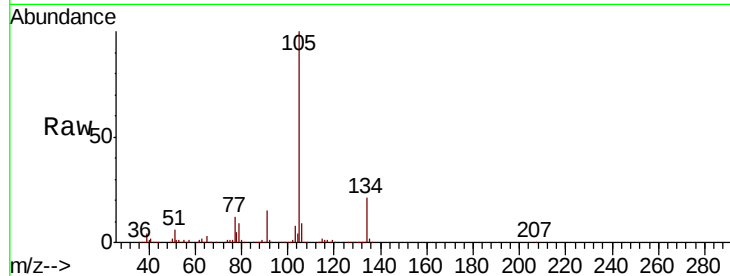
ClientSampleId :

Tot Ion:105 Resp: 928374

Ion Ratio Lower Upper

105 100

134 21.3 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

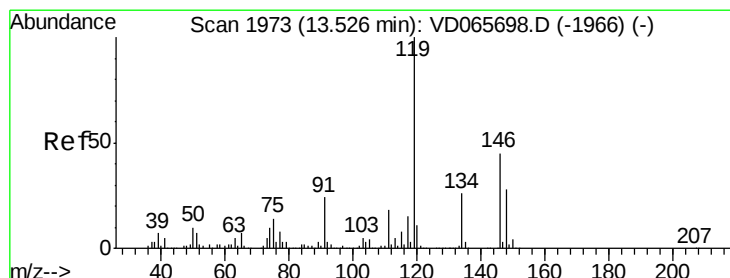
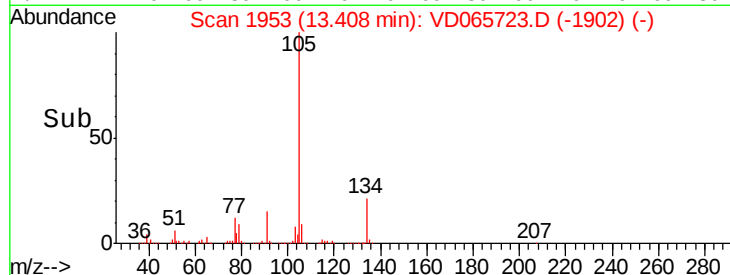
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 52.319 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

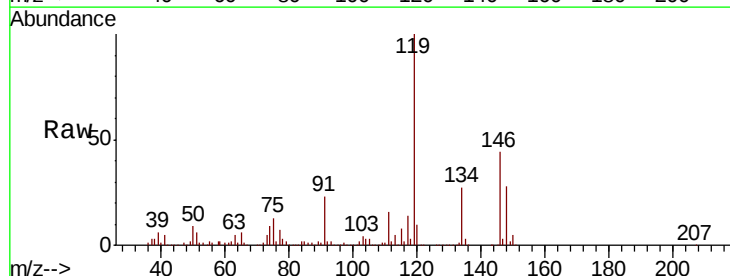
Tgt Ion:119 Resp: 855598

Ion Ratio Lower Upper

119 100

134 26.8 13.2 39.6

91 22.9 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

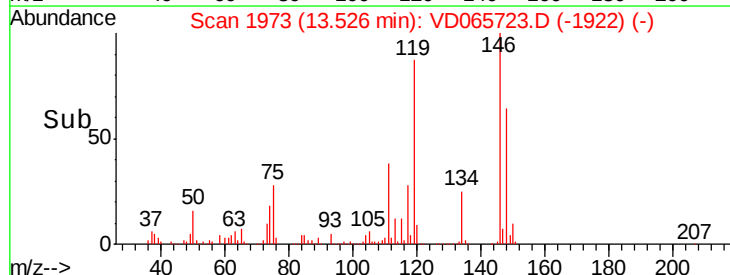
600000

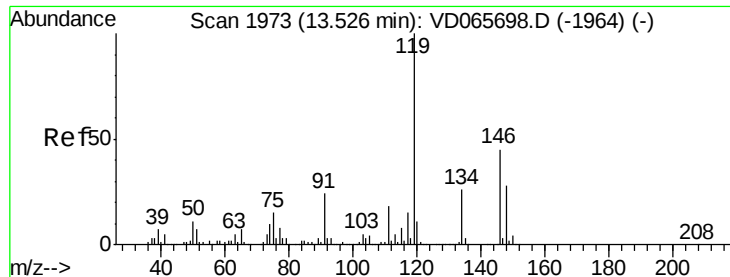
400000

200000

0

Time-->

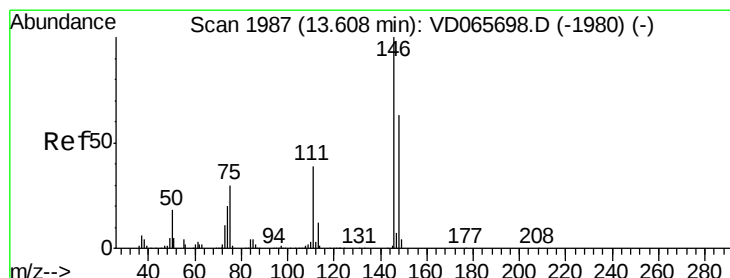
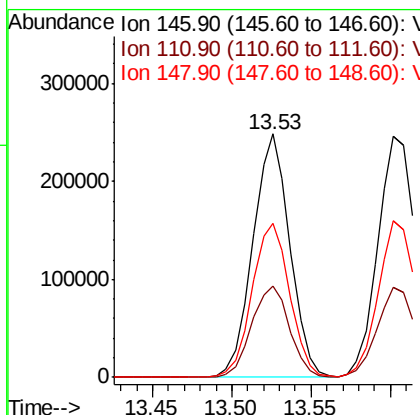
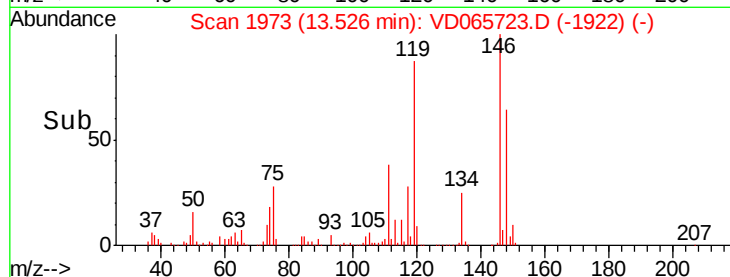
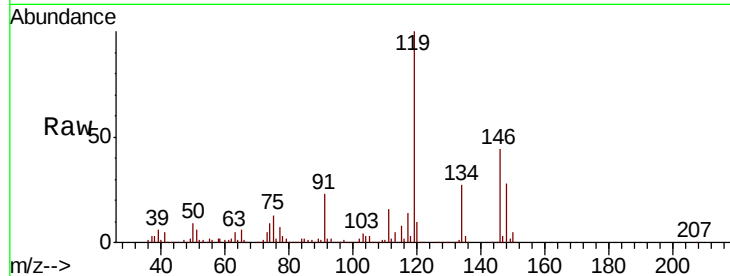




#87
 1,3-Dichlorobenzene
 Concen: 50.970 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065723.D
 Acq: 08 May 2020 14:48

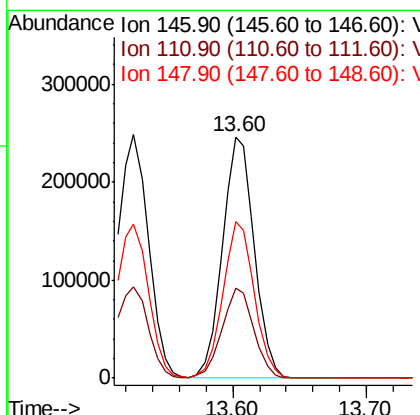
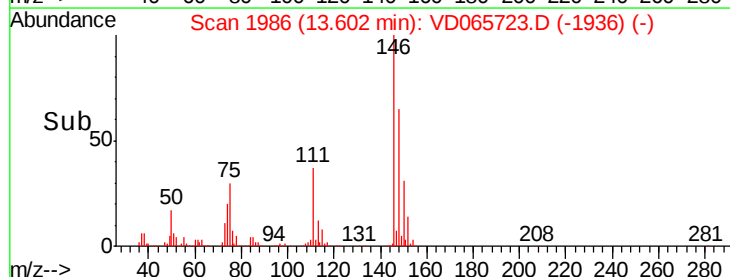
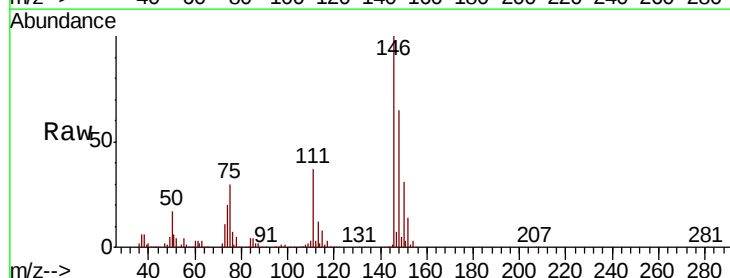
Instrument :
 MSVOA_D
 ClientSampleId :

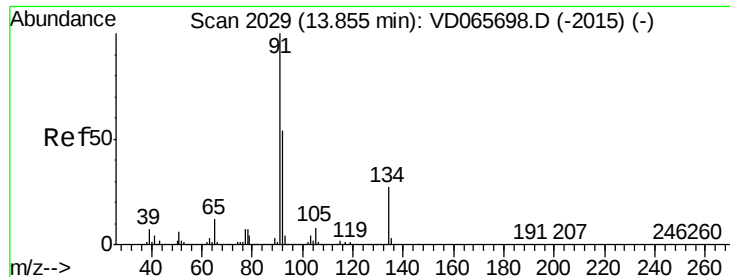
Tot Ion:146 Resp: 402166
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.6 58.8
 148 64.6 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 52.558 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065723.D
 Acq: 08 May 2020 14:48

Tgt Ion:146 Resp: 409150
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.6 58.7
 148 64.1 31.9 95.5





#89

n-Butylbenzene

Concen: 50.939 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

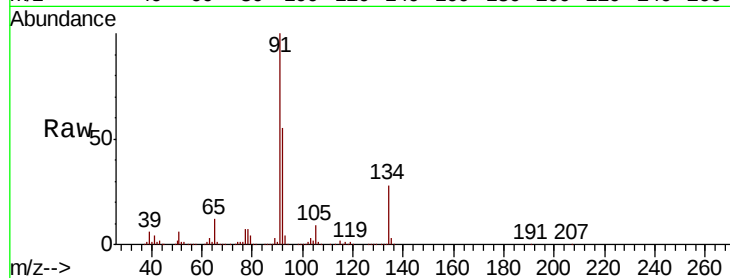
Tot Ion: 91 Resp: 807099

Ion Ratio Lower Upper

91 100

92 54.5 27.4 82.0

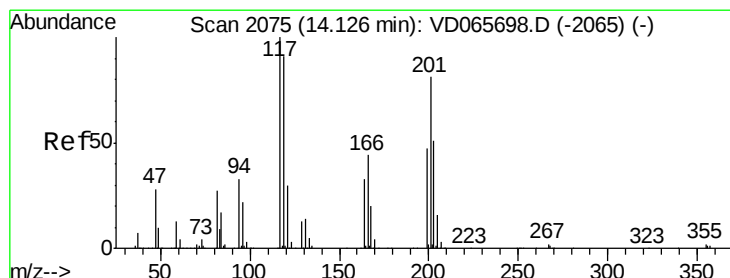
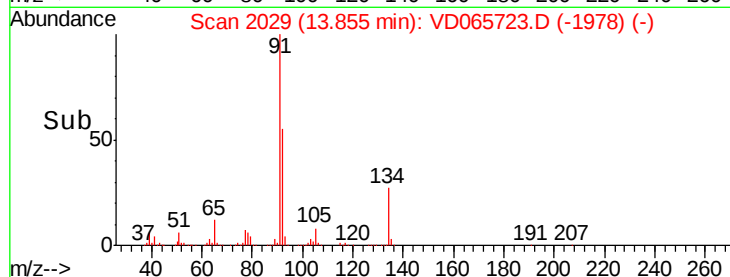
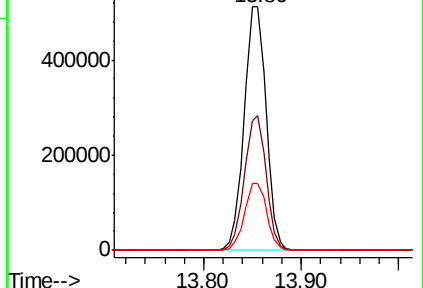
134 27.8 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 51.783 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.01 min

Lab File: VD065723.D

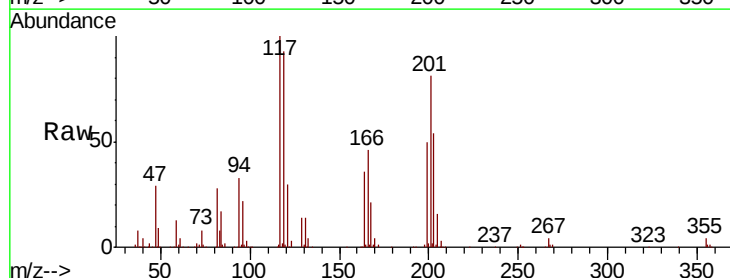
Acq: 08 May 2020 14:48

Tgt Ion: 117 Resp: 168670

Ion Ratio Lower Upper

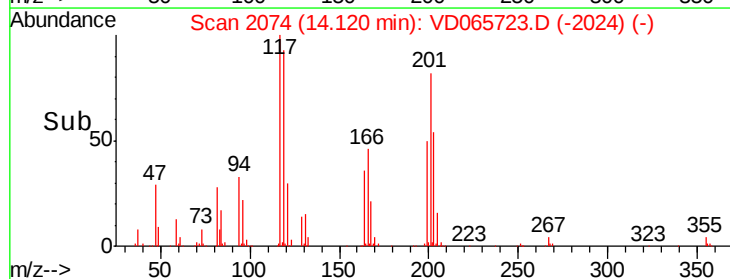
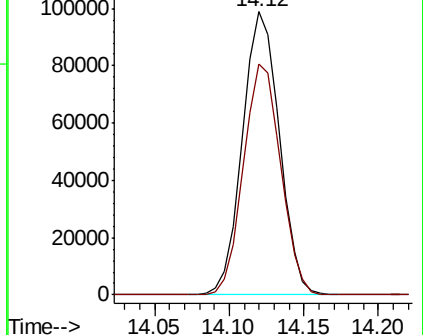
117 100

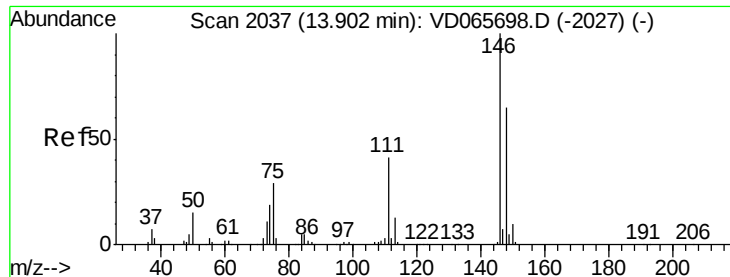
201 82.4 39.1 117.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 52.202 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

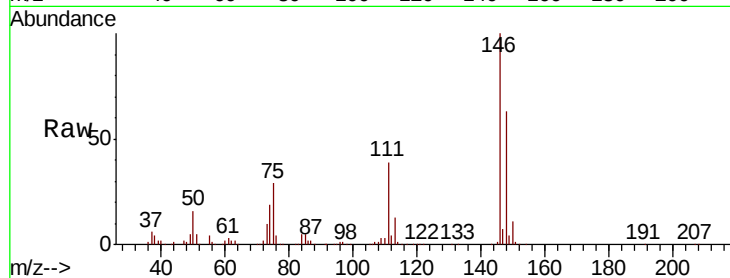
Tot Ion:146 Resp: 355421

Ion Ratio Lower Upper

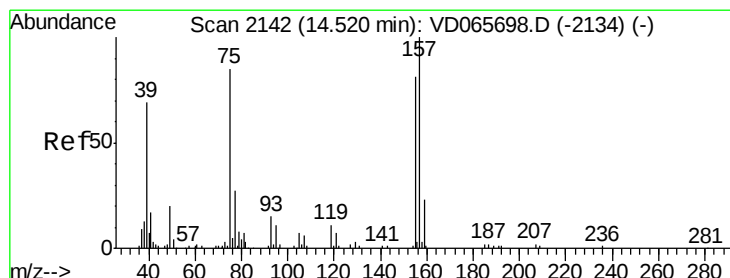
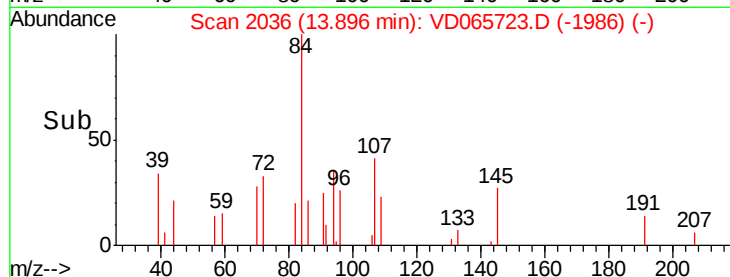
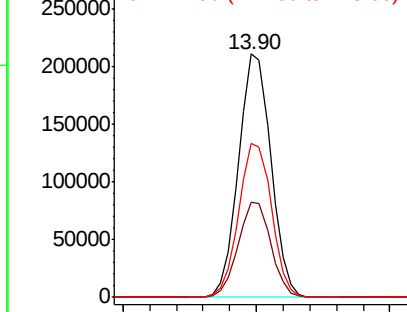
146 100

111 39.2 20.3 61.0

148 64.1 31.9 95.9



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.313 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD065723.D

Acq: 08 May 2020 14:48

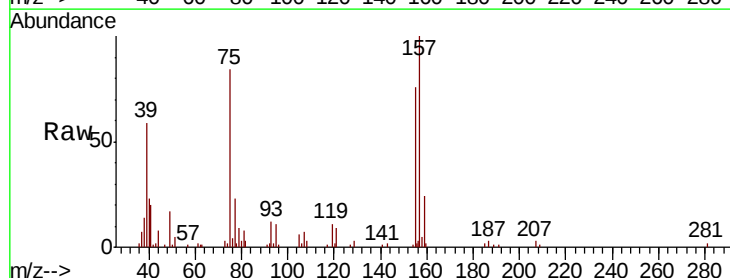
Tgt Ion: 75 Resp: 22866

Ion Ratio Lower Upper

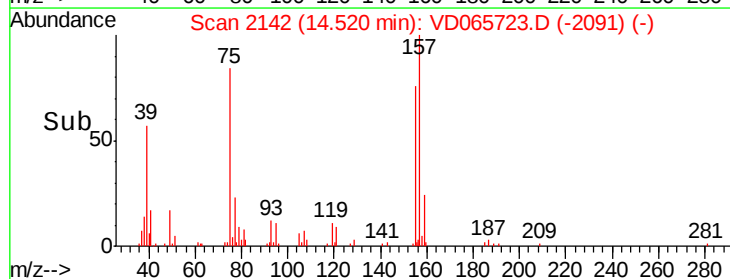
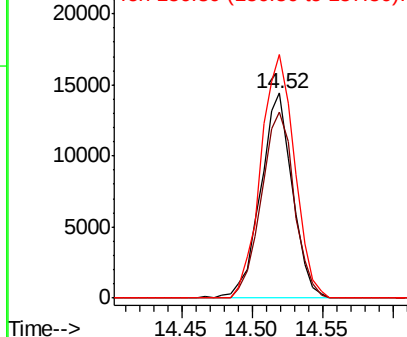
75 100

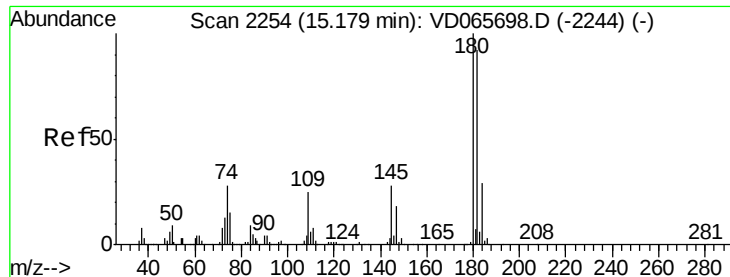
155 93.6 43.5 130.5

157 125.7 54.5 163.6



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

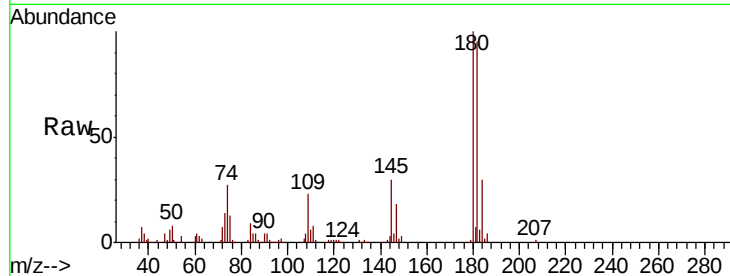




#93
 1,2,4-Trichlorobenzene
 Concen: 53.381 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065723.D
 Acq: 08 May 2020 14:48

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.0	141.0
145	29.7	14.8	44.3

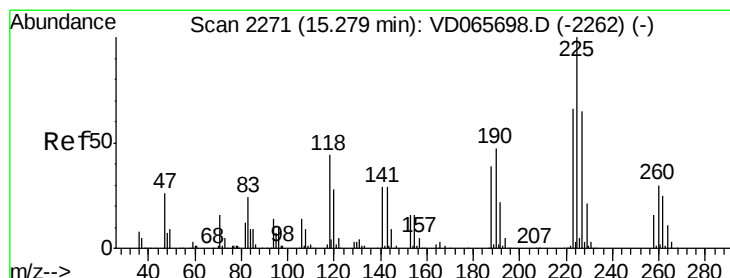
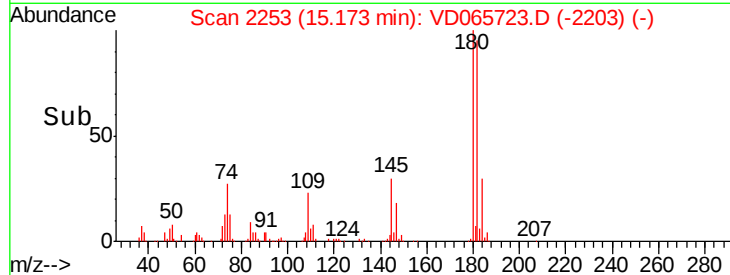
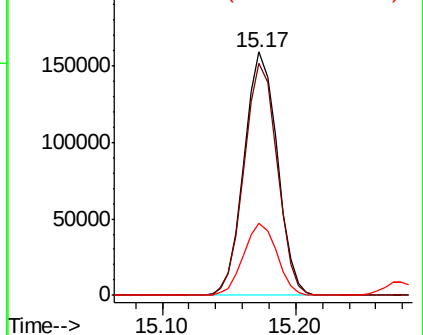


Abundance

Ion 179.80 (179.50 to 180.50): V

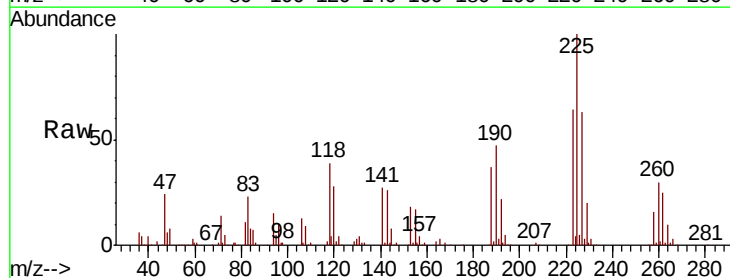
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 56.629 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065723.D
 Acq: 08 May 2020 14:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.8	95.3
227	63.2	31.6	94.8

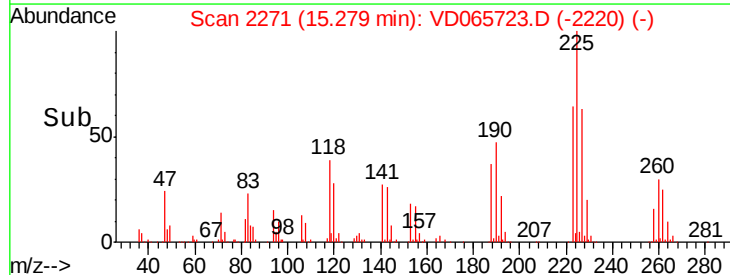
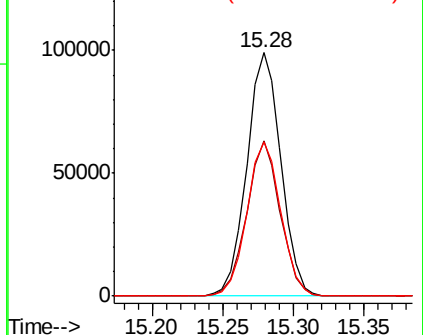


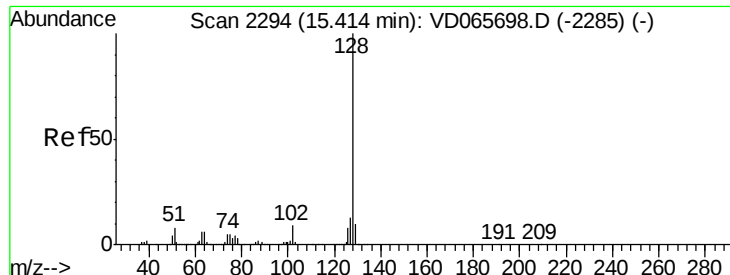
Abundance

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

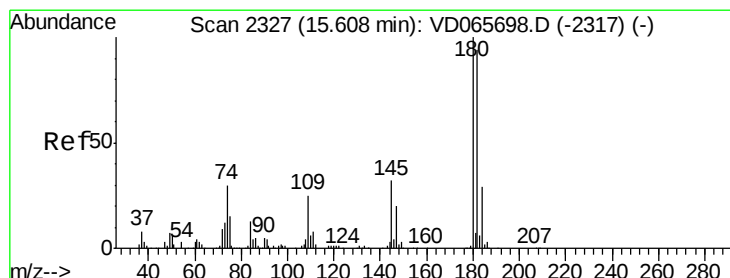
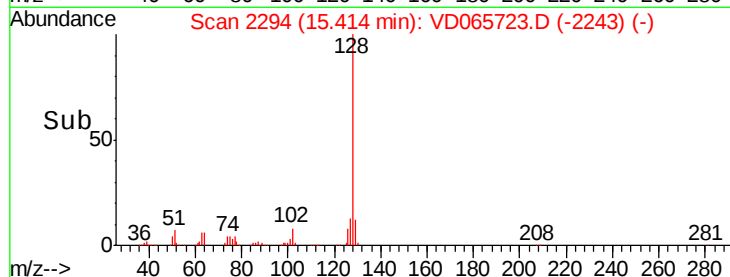
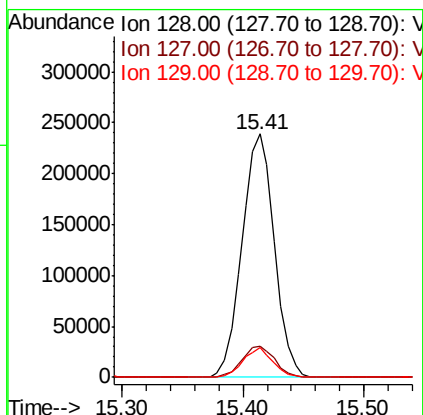
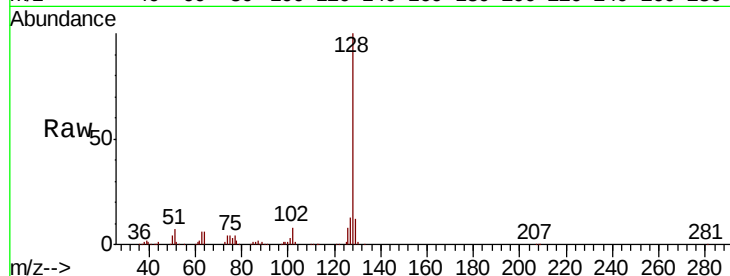




#95
Naphthalene
Concen: 49.532 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065723.D
Acq: 08 May 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 444780
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.1 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 53.101 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065723.D
Acq: 08 May 2020 14:48

Tgt Ion:180 Resp: 230743
Ion Ratio Lower Upper
180 100
182 95.2 46.9 140.6
145 31.2 16.0 47.9

