

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050820\
 Data File : VD065720.D
 Acq On : 08 May 2020 12:55
 Operator : VA/SY
 Sample : VD0508SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 09 03:48:53 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	371573	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	561110	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	498313	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	245776	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	180893	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
35) Dibromofluoromethane	7.92	113	188785	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
50) Toluene-d8	10.34	98	713390	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
62) 4-Bromofluorobenzene	12.64	95	244368	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	51286	17.598	ug/l	96
3) Chloromethane	2.21	50	77896	21.193	ug/l	97
4) Vinyl Chloride	2.35	62	83641	22.459	ug/l	97
5) Bromomethane	2.75	94	54802	23.316	ug/l	98
6) Chloroethane	2.91	64	53999	22.572	ug/l	93
7) Trichlorofluoromethane	3.27	101	120200	20.234	ug/l	94
8) Diethyl Ether	3.71	74	37289	20.036	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.09	101	71226	19.751	ug/l	94
10) Methyl Iodide	4.30	142	69502	19.648	ug/l	99
11) Tert butyl alcohol	5.23	59	32206	94.288	ug/l	97
12) 1,1-Dichloroethene	4.06	96	71659	20.219	ug/l	92
13) Acrolein	3.92	56	28860	94.368	ug/l	92
14) Allyl chloride	4.71	41	122874	17.391	ug/l	95
15) Acrylonitrile	5.43	53	82227	93.973	ug/l	99
16) Acetone	4.16	43	72769	91.575	ug/l	99
17) Carbon Disulfide	4.40	76	226791	19.459	ug/l	100
18) Methyl Acetate	4.72	43	39721	20.104	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	172207	20.039	ug/l	93
20) Methylene Chloride	4.96	84	86320	21.564	ug/l	87
21) trans-1,2-Dichloroethene	5.47	96	83608	20.607	ug/l	88
22) Diisopropyl ether	6.37	45	245459	18.682	ug/l	98
23) Vinyl Acetate	6.31	43	737310	92.910	ug/l	96
24) 1,1-Dichloroethane	6.27	63	141372	19.641	ug/l	96
25) 2-Butanone	7.21	43	110724	93.937	ug/l	97
26) 2,2-Dichloropropane	7.21	77	128601	19.844	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	91436	20.769	ug/l	93
28) Bromochloromethane	7.56	49	54759	18.241	ug/l #	92
29) Tetrahydrofuran	7.56	42	72543	95.487	ug/l	96
30) Chloroform	7.71	83	140385	20.268	ug/l	100
31) Cyclohexane	7.98	56	139756	18.765	ug/l #	87
32) 1,1,1-Trichloroethane	7.91	97	130518	20.328	ug/l	98
36) 1,1-Dichloropropene	8.11	75	115182	20.670	ug/l	98
37) Ethyl Acetate	7.30	43	50367	18.771	ug/l	97
38) Carbon Tetrachloride	8.10	117	118679	21.480	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	146633	20.959	ug/l	97
40) Benzene	8.36	78	318192	20.908	ug/l	97
41) Methacrylonitrile	7.56	41	70417	45.498	ug/l #	20
42) 1,2-Dichloroethane	8.43	62	89216	20.373	ug/l	99
43) Isopropyl Acetate	8.46	43	103502	19.290	ug/l	98
44) Trichloroethene	9.12	130	92830	22.134	ug/l	99
45) 1,2-Dichloropropane	9.39	63	78624	19.977	ug/l	98
46) Dibromomethane	9.48	93	41515	21.029	ug/l	94
47) Bromodichloromethane	9.67	83	110570	20.944	ug/l	100
48) Methyl methacrylate	9.46	41	50054	18.630	ug/l	93
49) 1,4-Dioxane	9.47	88	9762	403.397	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	248080	95.933	ug/l	97
52) Toluene	10.41	92	207818	21.593	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	108536	20.297	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	131423	20.862	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	58643	22.034	ug/l	96
56) Ethyl methacrylate	10.67	69	78712	20.483	ug/l	94
57) 1,3-Dichloropropane	10.95	76	101244	21.160	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	173448	98.319	ug/l	95
59) 2-Hexanone	10.99	43	173073	97.307	ug/l	99
60) Dibromochloromethane	11.14	129	77618	21.710	ug/l	99
61) 1,2-Dibromoethane	11.25	107	57773	21.575	ug/l	98
64) Tetrachloroethene	10.88	164	80937	22.823	ug/l	94
65) Chlorobenzene	11.68	112	218010	21.715	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	82440	22.023	ug/l	99
67) Ethyl Benzene	11.75	91	396178	21.152	ug/l	100
68) m/p-Xylenes	11.86	106	305604	43.768	ug/l	96
69) o-Xylene	12.18	106	140153	21.511	ug/l	97
70) Styrene	12.20	104	246203	21.978	ug/l	97
71) Bromoform	12.37	173	47155	22.388	ug/l #	97
73) Isopropylbenzene	12.48	105	385603	20.707	ug/l	99
74) N-amyl acetate	12.30	43	95376	17.941	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	63275	20.263	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	84329	40.625	ug/l #	100
77) Bromobenzene	12.77	156	93801	21.966	ug/l	92
78) n-propylbenzene	12.83	91	453829	20.697	ug/l	99
79) 2-Chlorotoluene	12.91	91	249117	20.109	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	319793	20.917	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	22922	19.547	ug/l	96
82) 4-Chlorotoluene	13.01	91	264438	20.398	ug/l	99
83) tert-Butylbenzene	13.23	119	274378	21.084	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	312969	20.551	ug/l	99
85) sec-Butylbenzene	13.41	105	382365	20.946	ug/l	99
86) p-Isopropyltoluene	13.53	119	356206	21.413	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	176778	22.026	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	174248	22.005	ug/l	99
89) n-Butylbenzene	13.85	91	330026	20.477	ug/l	99
90) Hexachloroethane	14.12	117	68730	20.744	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	152428	22.009	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10190	19.414	ug/l	87

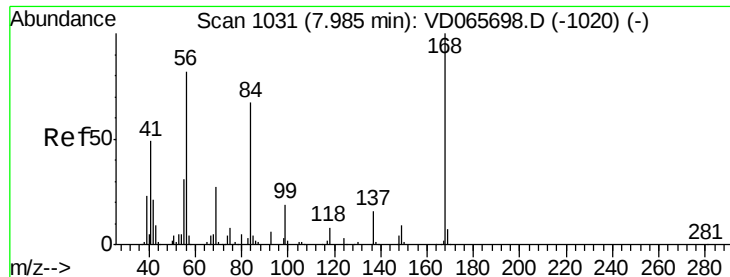
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050820\
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Quant Title : SW846 8260
QLast Update : Wed May 06 17:01:16 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	117362	22.586	ug/l	98
94) Hexachlorobutadiene	15.28	225	67488	22.411	ug/l	98
95) Naphthalene	15.41	128	192285	21.051	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	98155	22.207	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

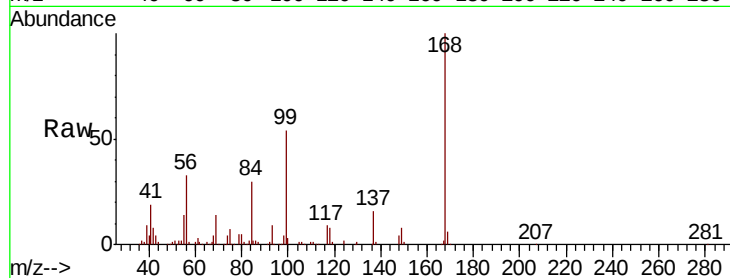
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 371573

Ion Ratio Lower Upper

168 100

99 53.8 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

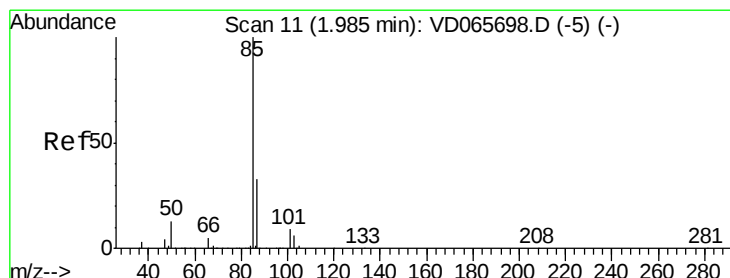
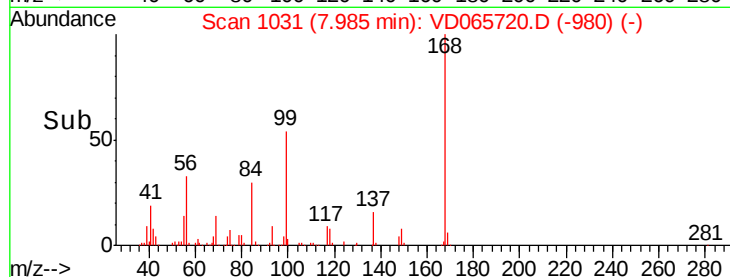
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.598 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065720.D

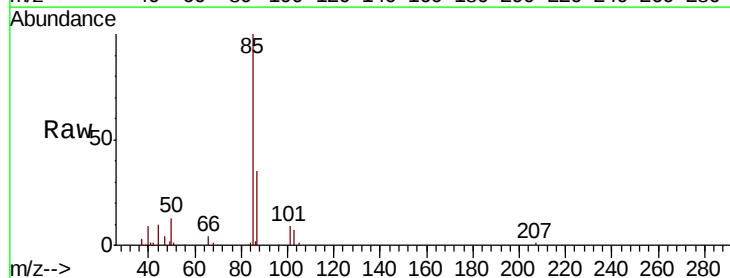
Acq: 08 May 2020 12:55

Tgt Ion: 85 Resp: 51286

Ion Ratio Lower Upper

85 100

87 35.2 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

40000

30000

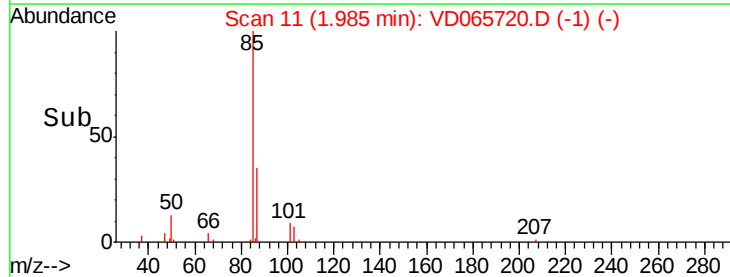
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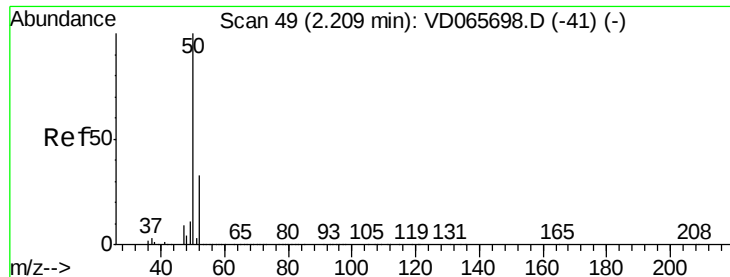
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 21.193 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

Instrument :

MSVOA_D

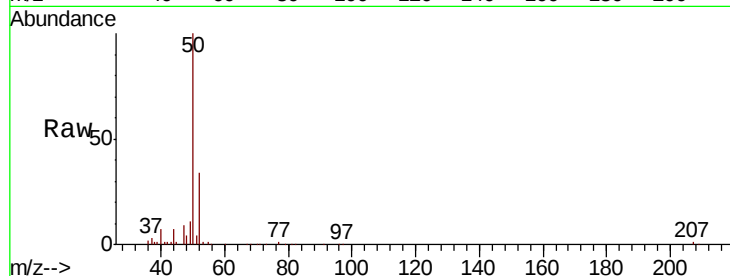
ClientSampleId :

Tot Ion: 50 Resp: 77896

Ion Ratio Lower Upper

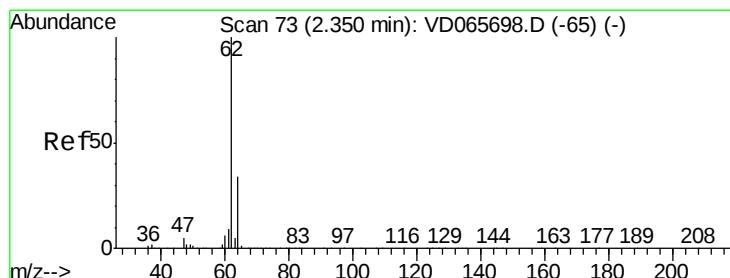
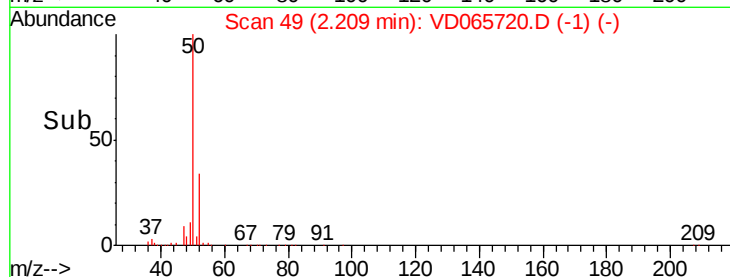
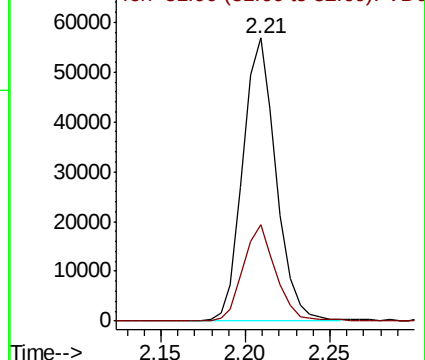
50 100

52 34.0 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: 22.459 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065720.D

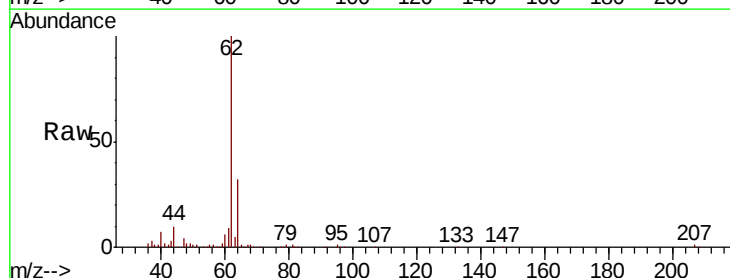
Acq: 08 May 2020 12:55

Tgt Ion: 62 Resp: 83641

Ion Ratio Lower Upper

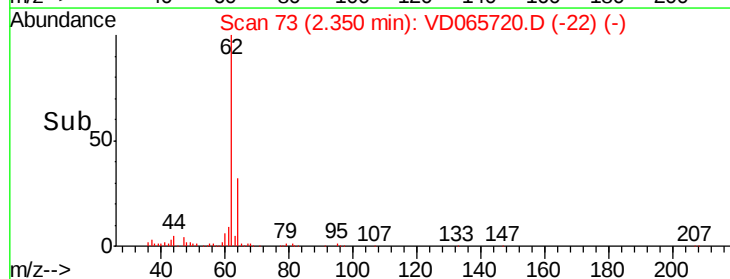
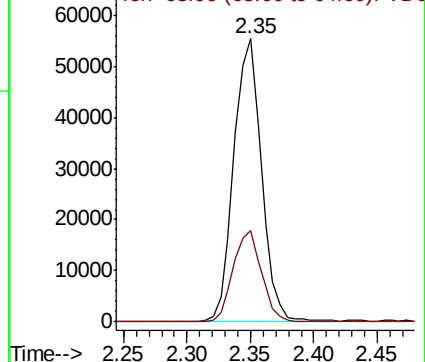
62 100

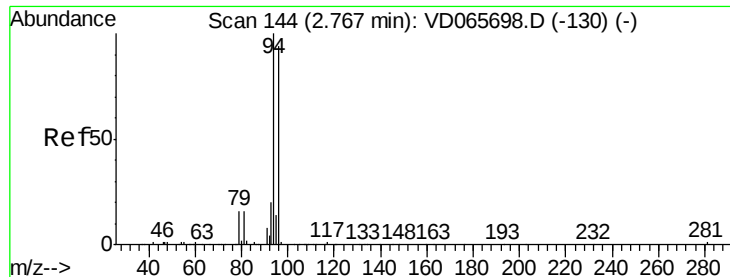
64 32.1 27.2 40.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 23.316 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

Instrument :

MSVOA_D

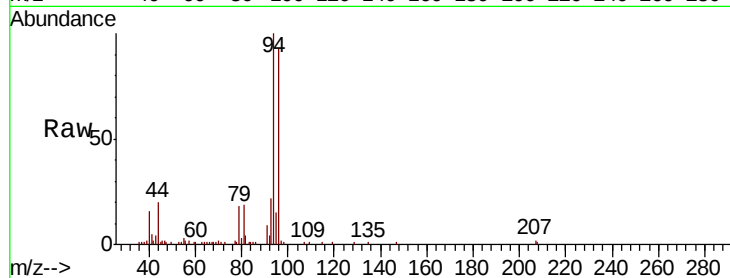
ClientSampled :

Tot Ion: 94 Resp: 54802

Ion Ratio Lower Upper

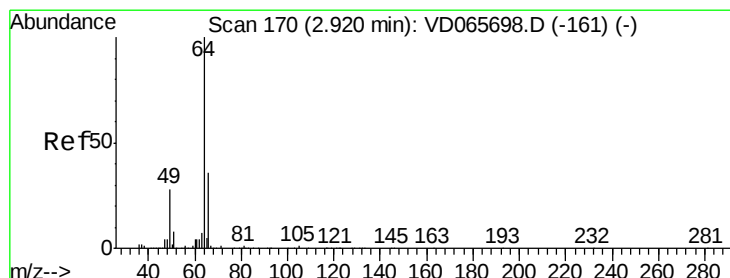
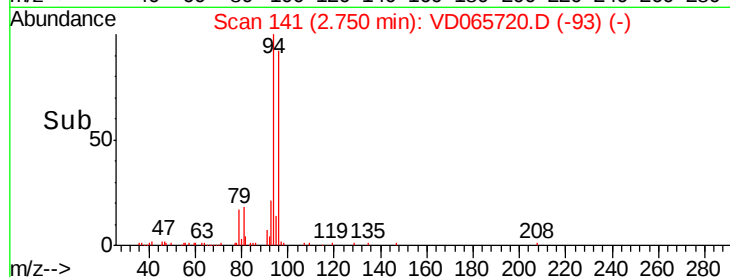
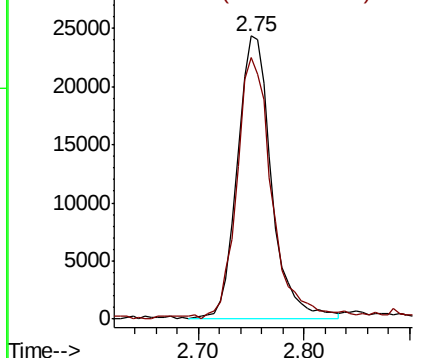
94 100

96 91.6 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: 22.572 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065720.D

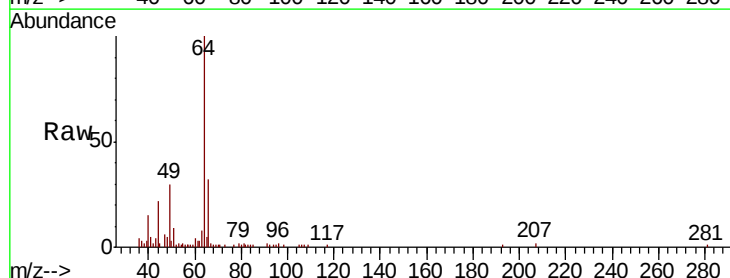
Acq: 08 May 2020 12:55

Tgt Ion: 64 Resp: 53999

Ion Ratio Lower Upper

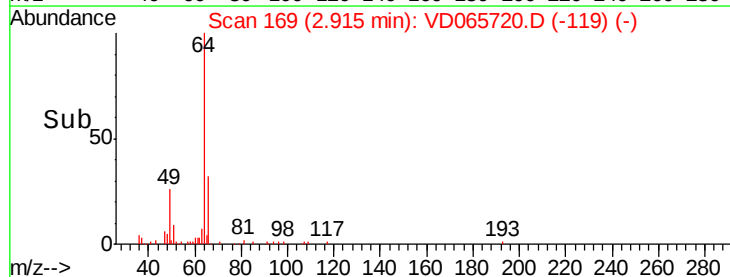
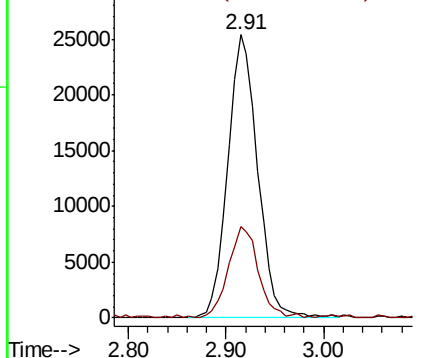
64 100

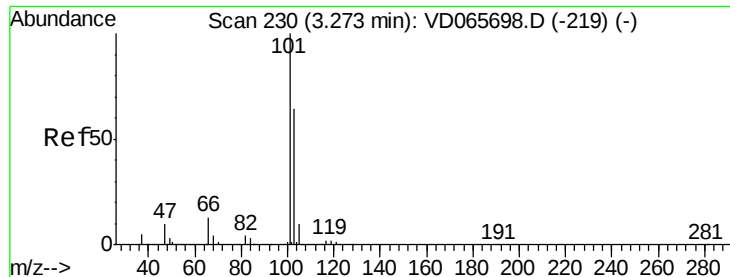
66 31.5 28.5 42.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



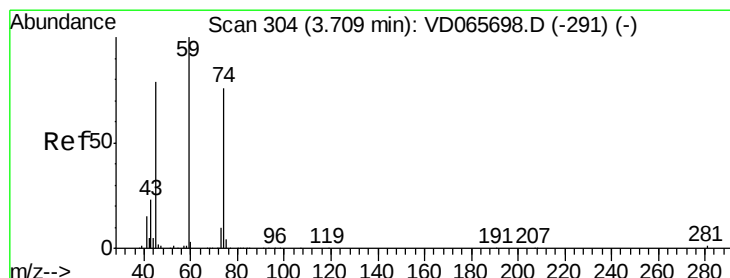
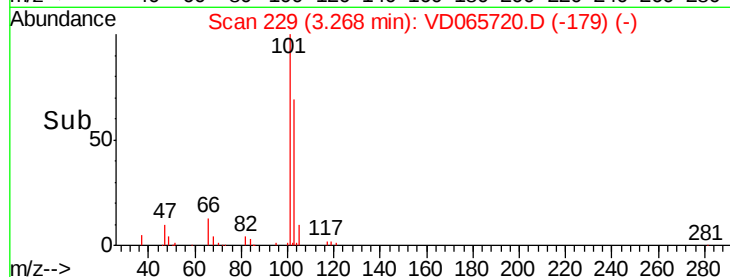
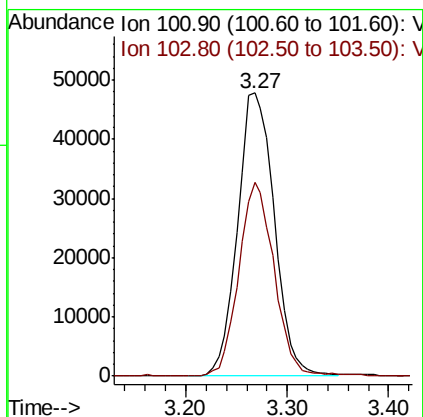
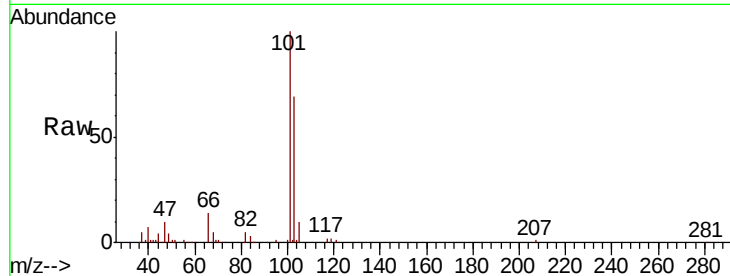


#7

Trichlorofluoromethane
Concen: 20.234 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

Instrument :
MSVOA_D
ClientSampled :

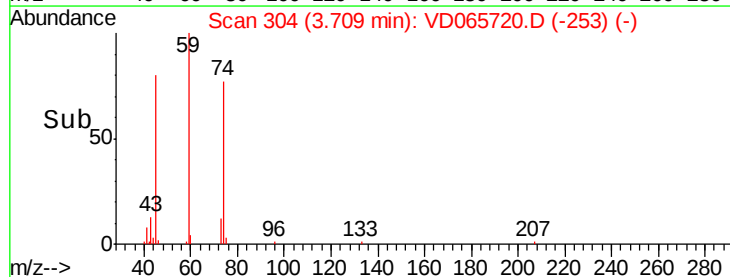
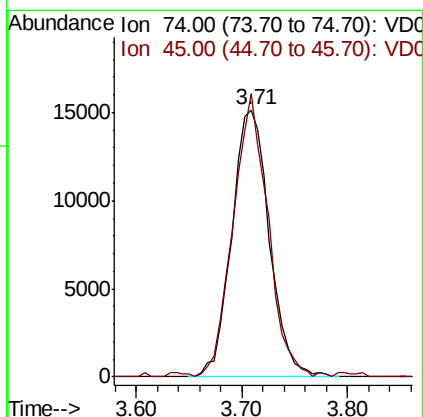
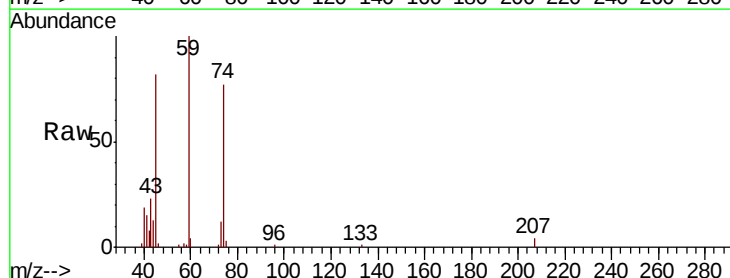
Tot Ion:101 Resp: 120200
Ion Ratio Lower Upper
101 100
103 68.7 51.1 76.7

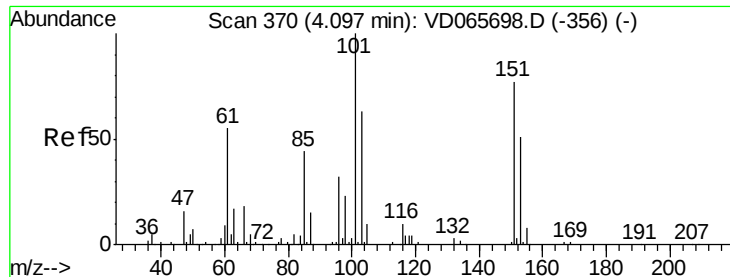


#8

Diethyl Ether
Concen: 20.036 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

Tgt Ion: 74 Resp: 37289
Ion Ratio Lower Upper
74 100
45 98.4 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.751 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

Instrument :

MSVOA_D

ClientSampled :

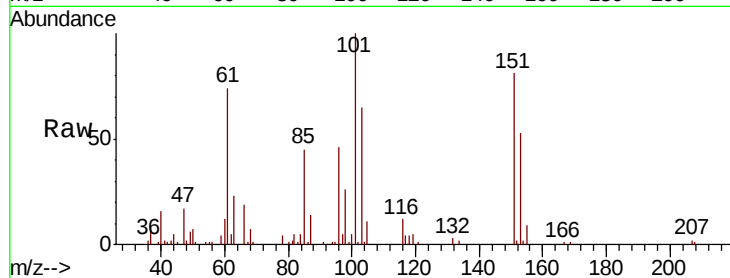
Tot Ion:101 Resp: 71226

Ion Ratio Lower Upper

101 100

85 43.3 34.4 51.6

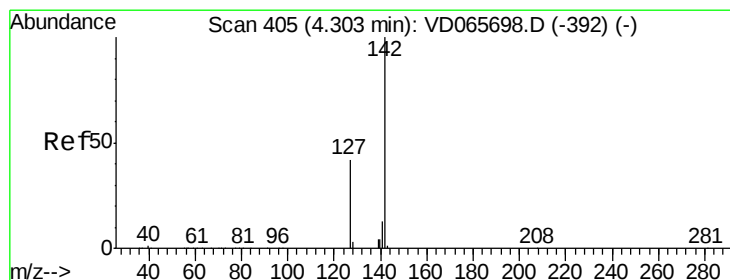
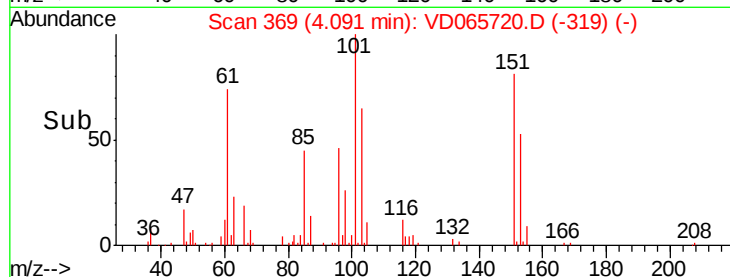
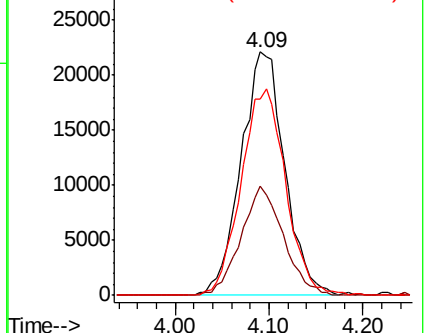
151 86.3 63.0 94.4



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: 19.648 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

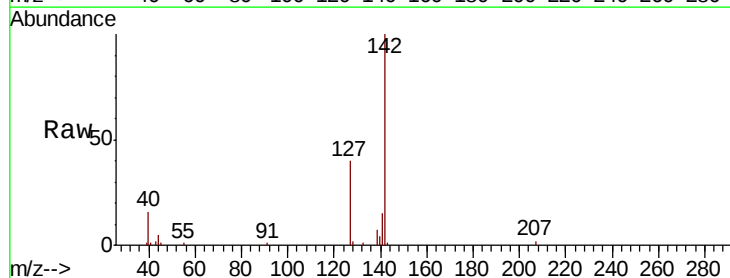
Tgt Ion:142 Resp: 69502

Ion Ratio Lower Upper

142 100

127 43.7 34.5 51.7

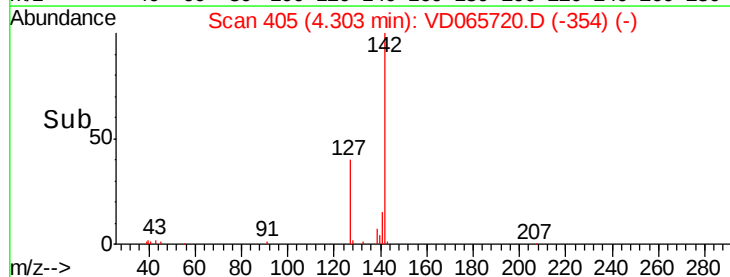
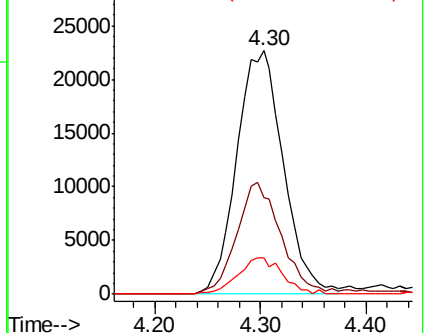
141 14.2 11.6 17.4

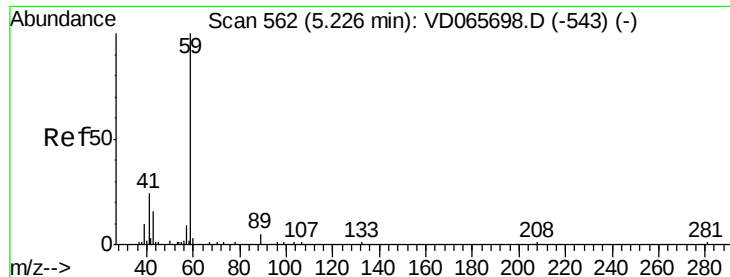


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



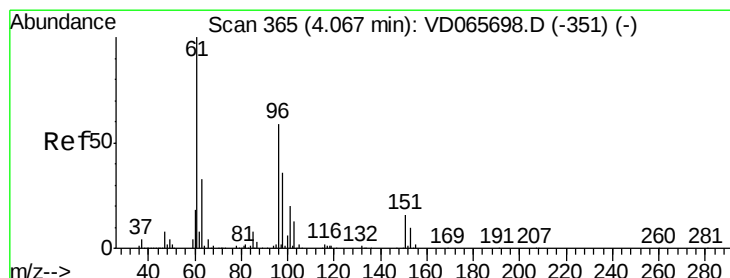
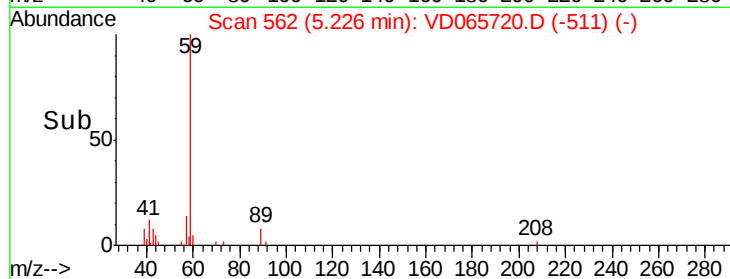
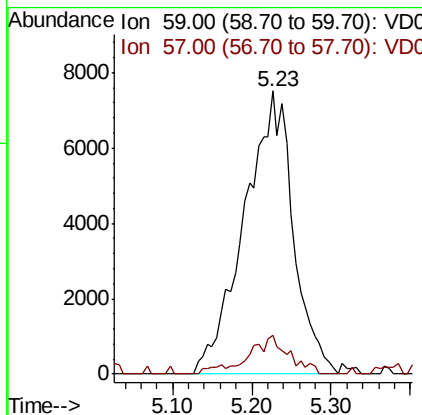
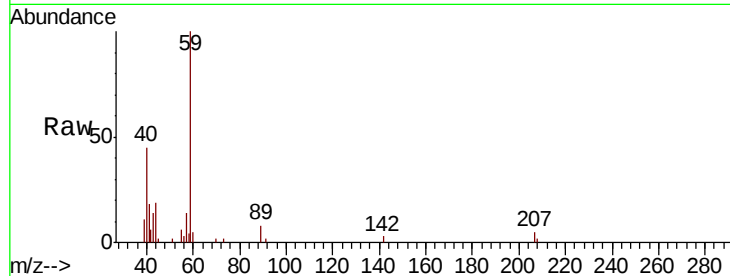


#11

Tert butyl alcohol
 Concen: 94.288 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VD065720.D
 Acq: 08 May 2020 12:55

Instrument :
 MSVOA_D
 ClientSampleId :

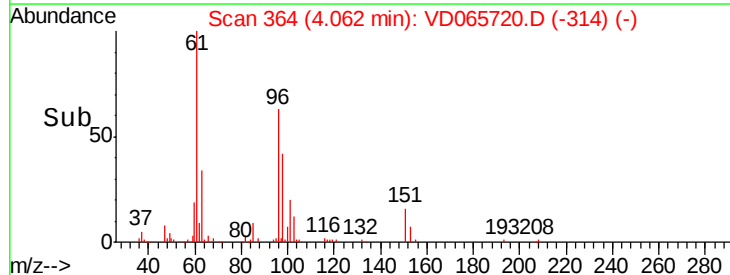
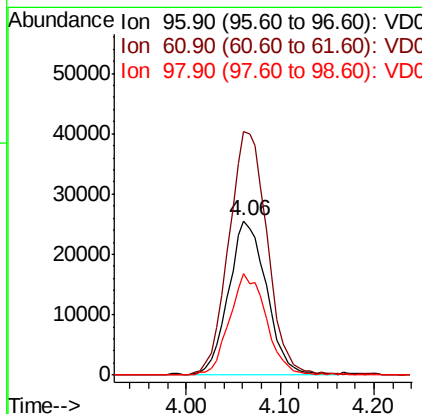
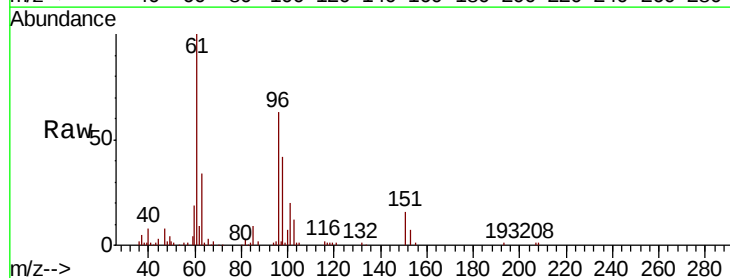
Tot Ion: 59 Resp: 32206
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.7 13.1

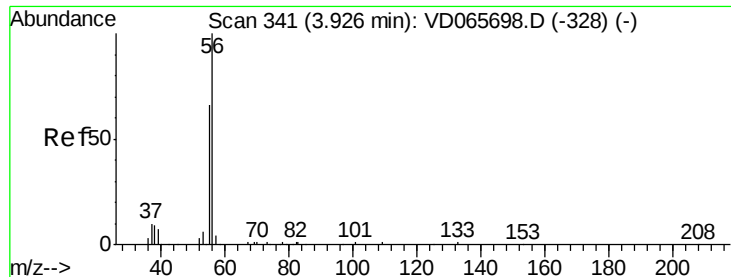


#12

1,1-Dichloroethene
 Concen: 20.219 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD065720.D
 Acq: 08 May 2020 12:55

Tgt Ion: 96 Resp: 71659
 Ion Ratio Lower Upper
 96 100
 61 157.7 136.0 204.0
 98 65.8 49.7 74.5





#13

Acrolein

Concen: 94.368 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

Instrument :

MSVOA_D

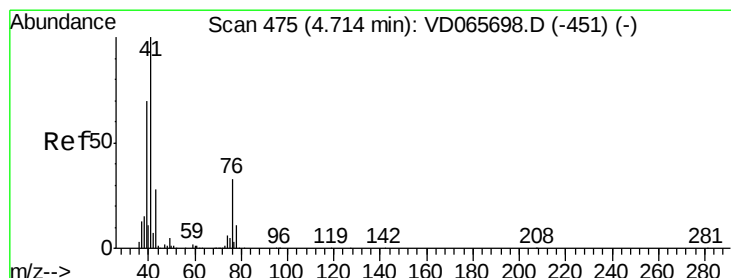
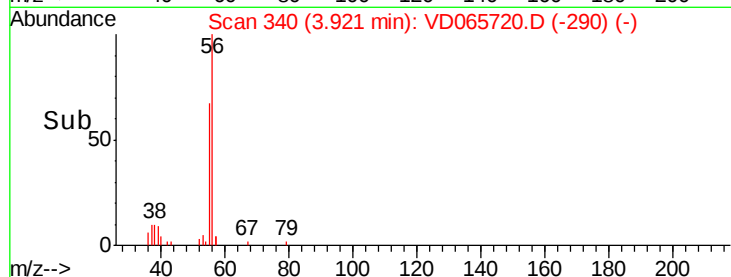
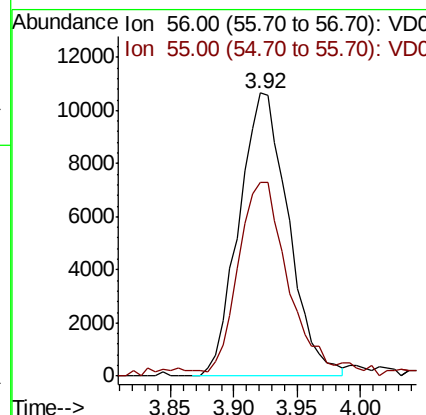
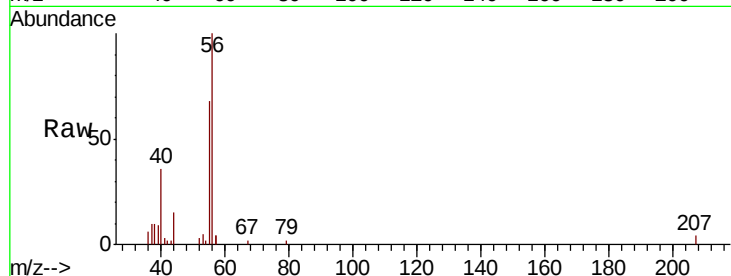
ClientSampleId :

Tot Ion: 56 Resp: 28860

Ion Ratio Lower Upper

56 100

55 64.5 56.7 85.1



#14

Allyl chloride

Concen: 17.391 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

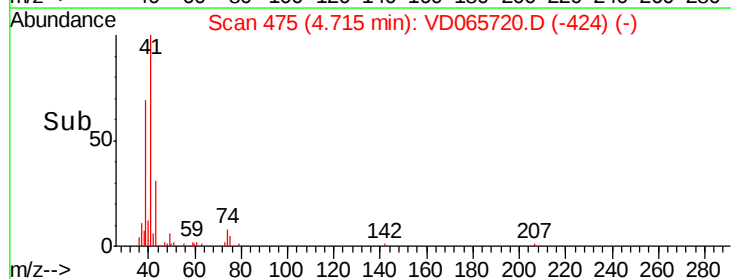
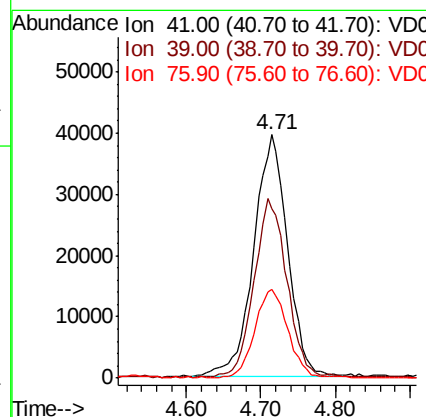
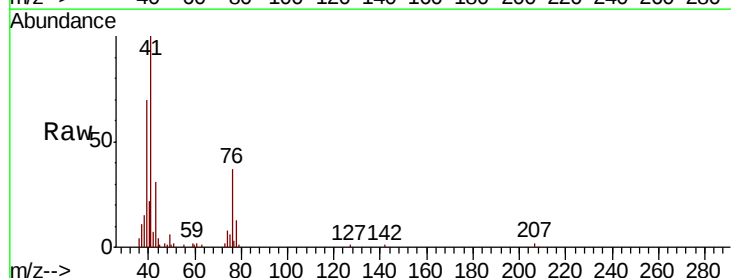
Tgt Ion: 41 Resp: 122874

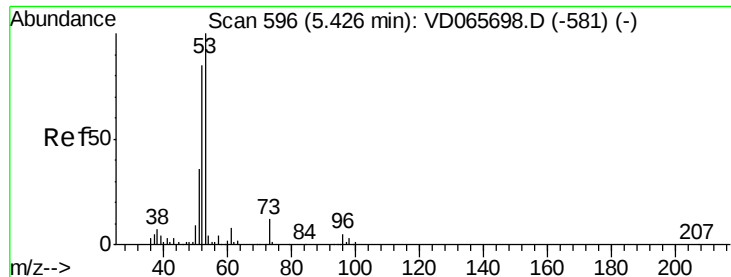
Ion Ratio Lower Upper

41 100

39 72.1 55.6 83.4

76 36.4 25.6 38.4





#15

Acrylonitrile

Concen: 93.973 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

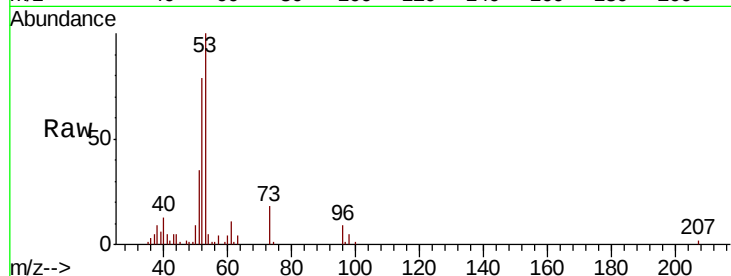
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 53 Resp: 82227

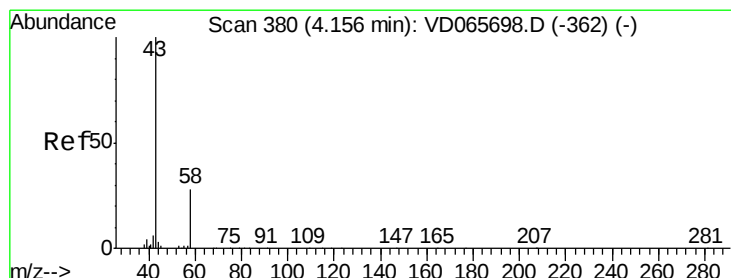
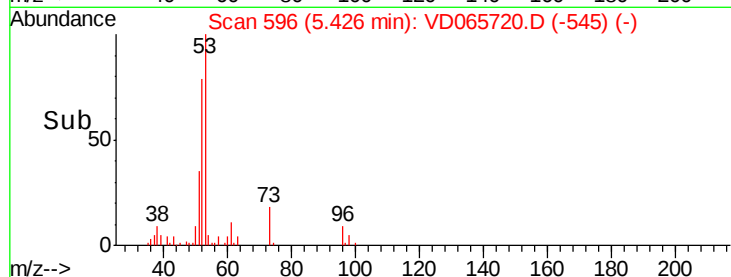
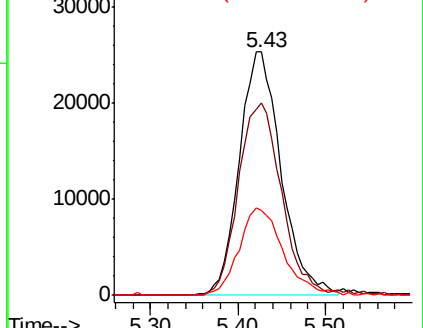
Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.2	99.2
51	37.9	29.9	44.9



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: 91.575 ug/l

RT: 4.16 min Scan# 380

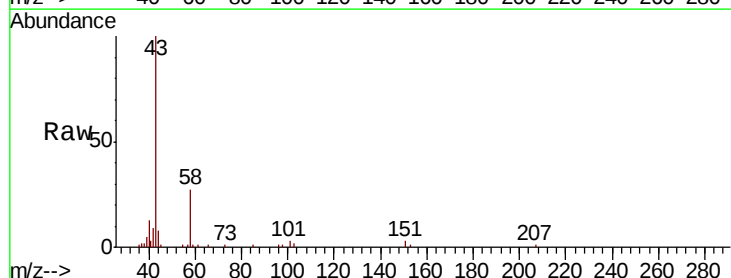
Delta R.T. 0.00 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

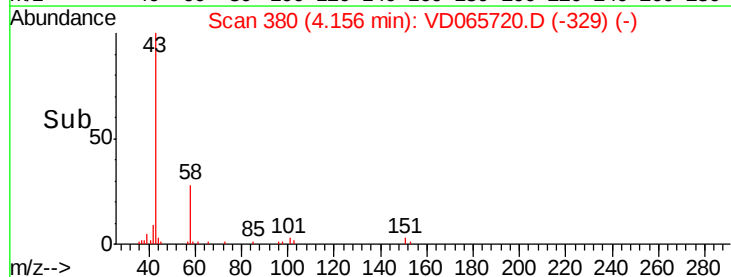
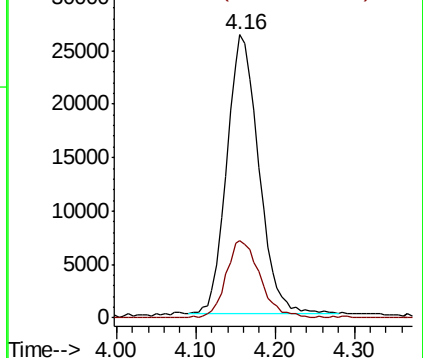
Tgt Ion: 43 Resp: 72769

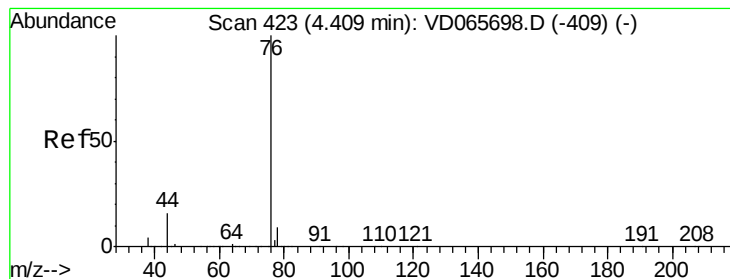
Ion	Ratio	Lower	Upper
43	100		
58	27.8	22.5	33.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 19.459 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

Instrument :

MSVOA_D

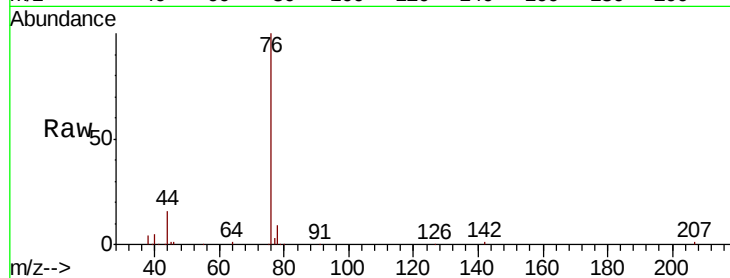
ClientSampleId :

Tot Ion: 76 Resp: 226791

Ion Ratio Lower Upper

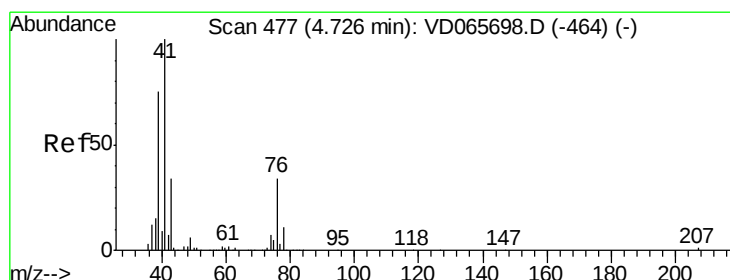
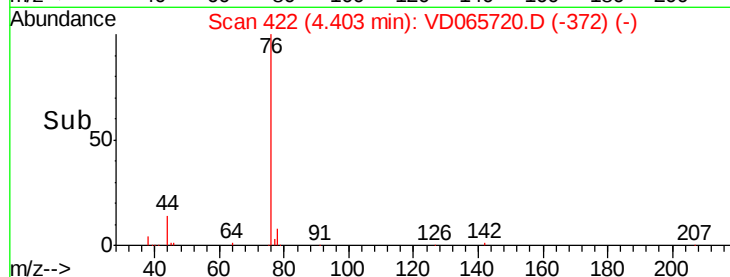
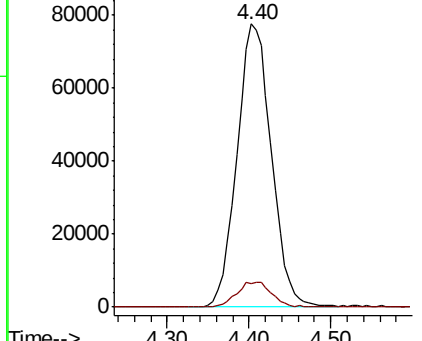
76 100

78 8.5 6.8 10.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 20.104 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065720.D

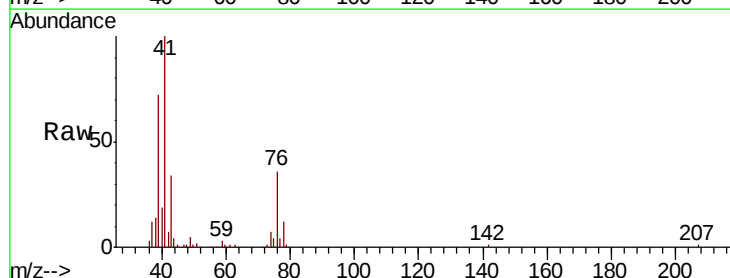
Acq: 08 May 2020 12:55

Tgt Ion: 43 Resp: 39721

Ion Ratio Lower Upper

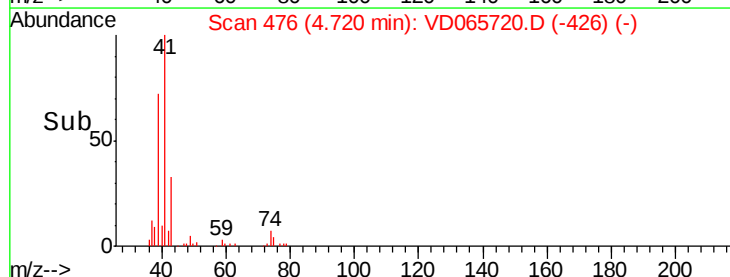
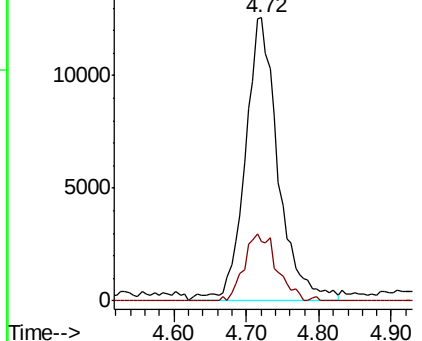
43 100

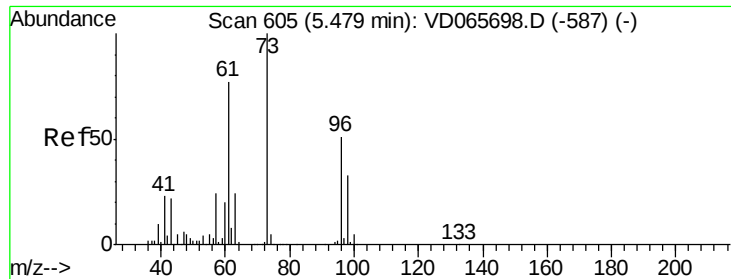
74 23.1 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

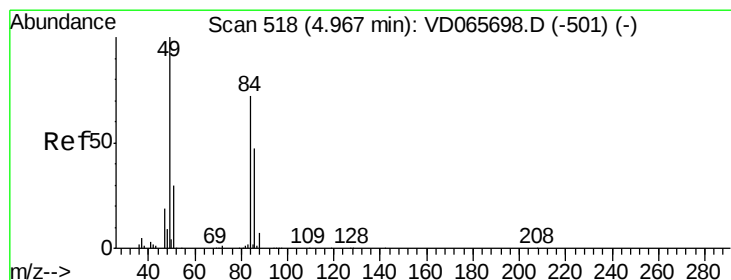
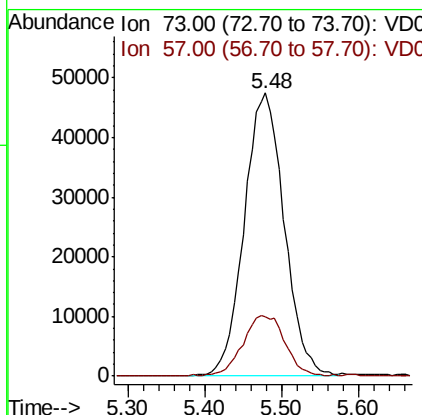
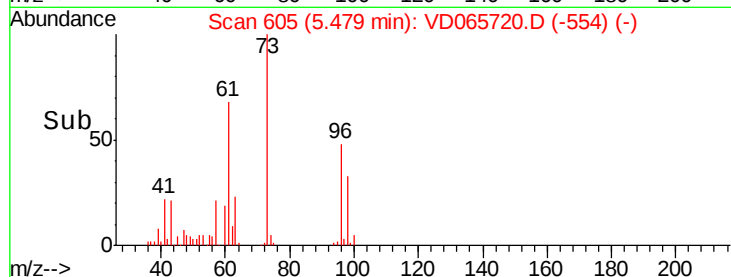
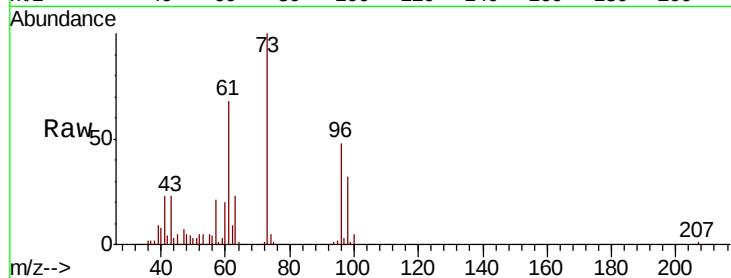




#19
Methyl tert-butyl Ether
Concen: 20.039 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

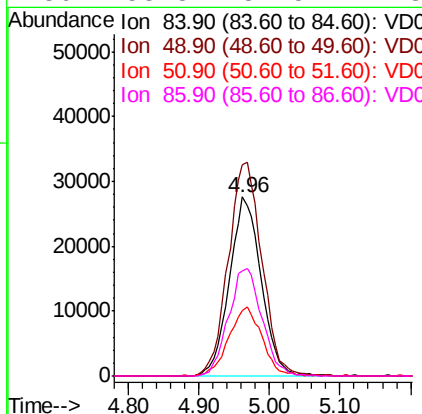
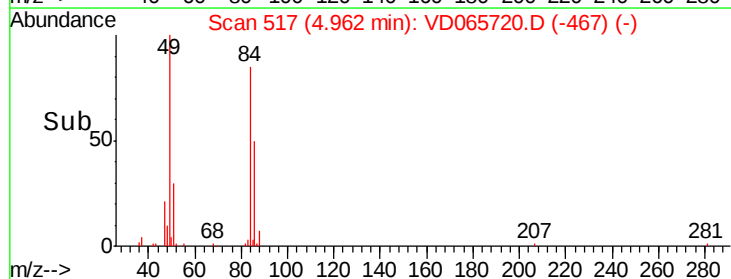
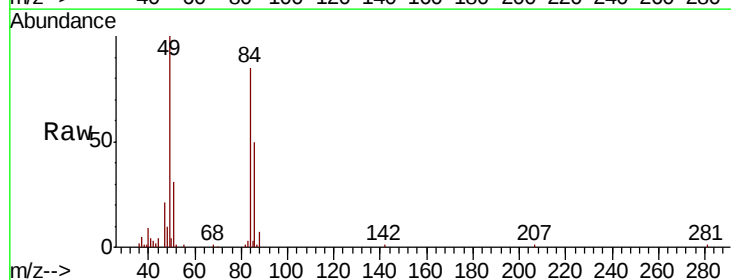
Instrument :
MSVOA_D
ClientSampled :

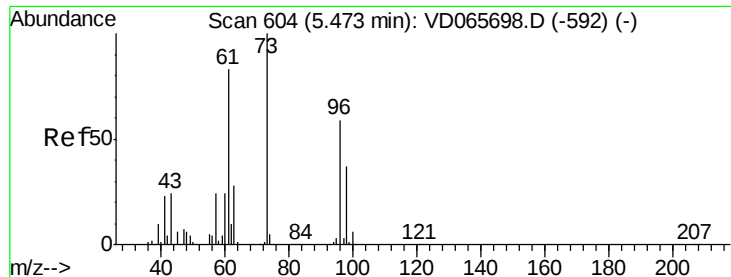
Tot Ion: 73 Resp: 172207
Ion Ratio Lower Upper
73 100
57 20.7 19.4 29.0



#20
Methylene Chloride
Concen: 21.564 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

Tgt Ion: 84 Resp: 86320
Ion Ratio Lower Upper
84 100
49 117.9 110.4 165.6
51 36.5 33.4 50.2
86 58.8 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 20.607 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

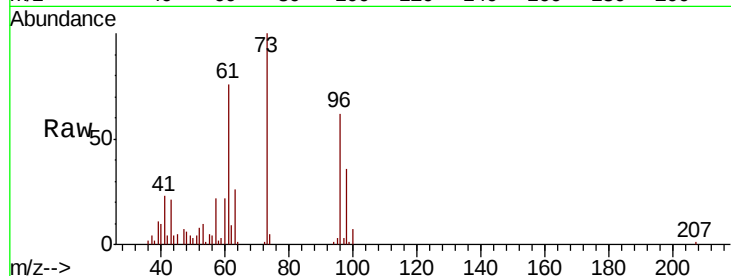
Tot Ion: 96 Resp: 83608

Ion Ratio Lower Upper

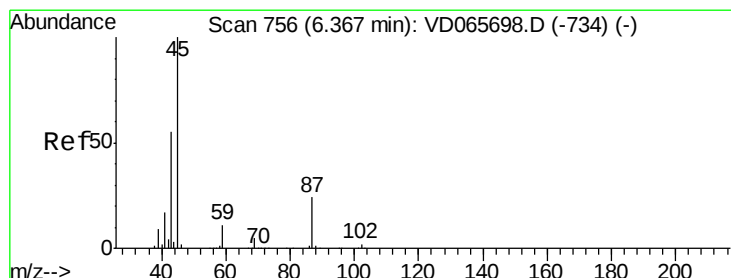
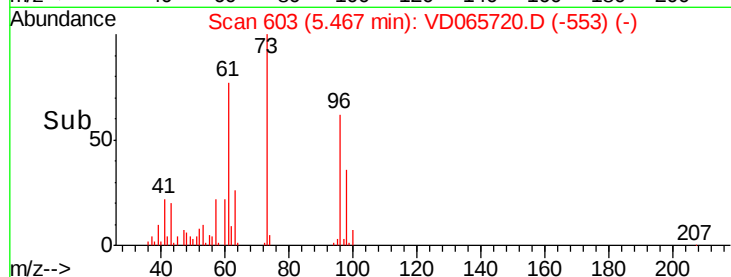
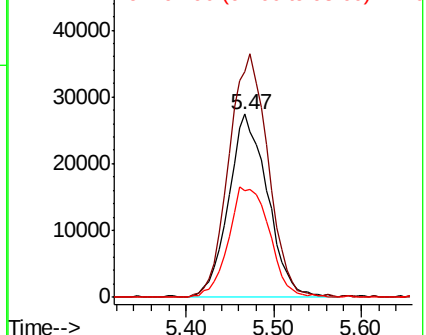
96 100

61 123.5 113.0 169.4

98 58.1 49.5 74.3



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



#22

Diisopropyl ether

Concen: 18.682 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

Tgt Ion: 45 Resp: 245459

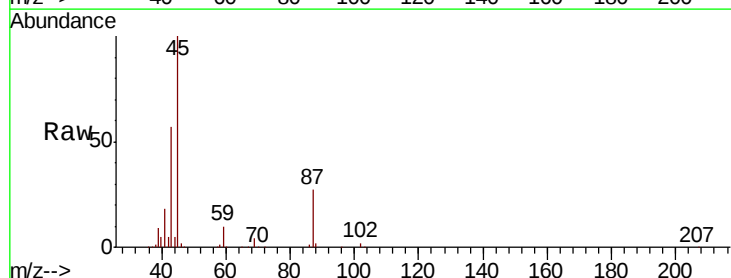
Ion Ratio Lower Upper

45 100

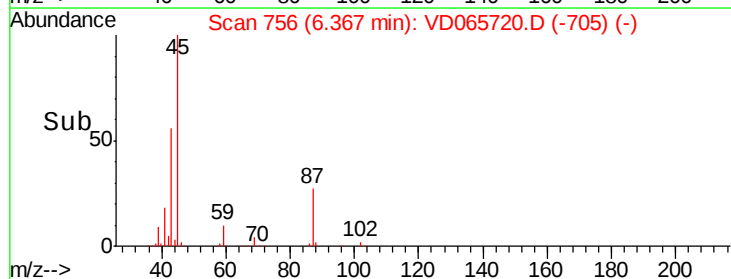
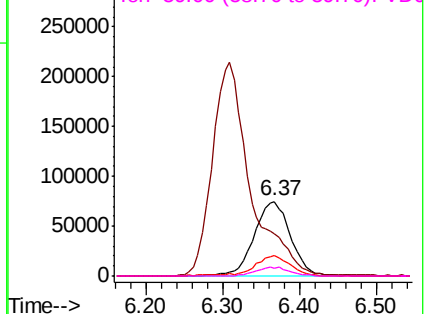
43 55.2 44.2 66.4

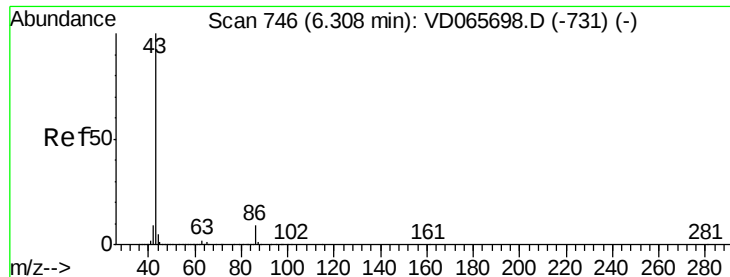
87 27.1 19.0 28.4

59 10.4 8.6 13.0



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC

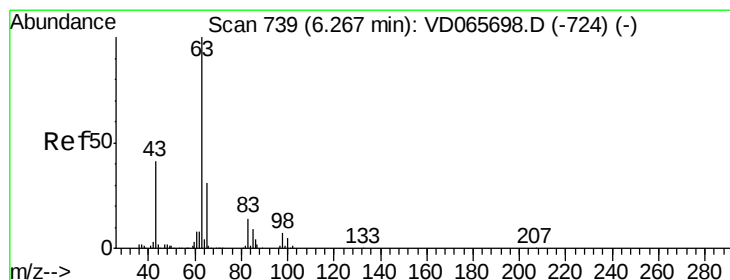
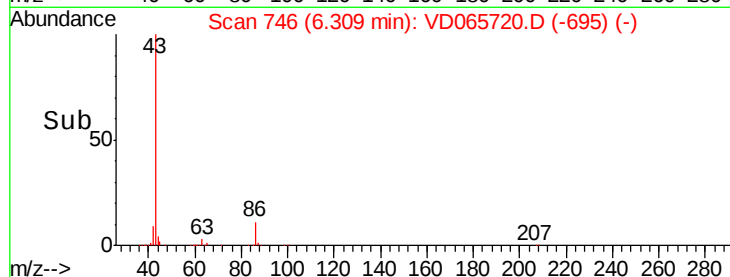
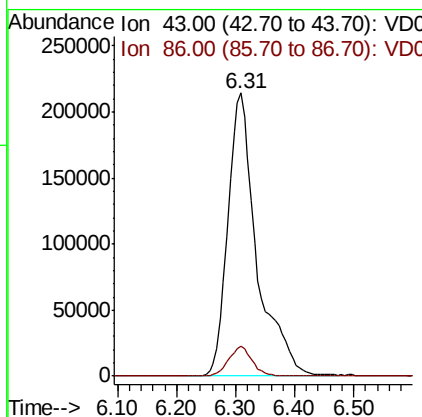
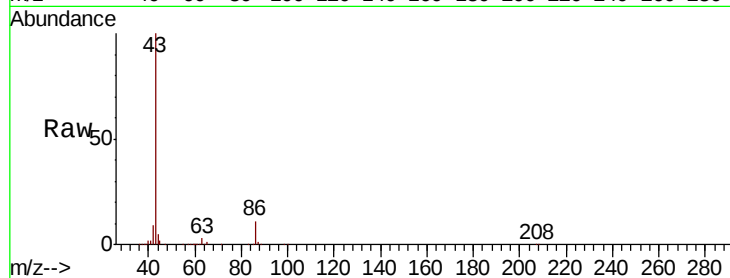




#23
 Vinyl Acetate
 Concen: 92.910 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VD065720.D
 Acq: 08 May 2020 12:55

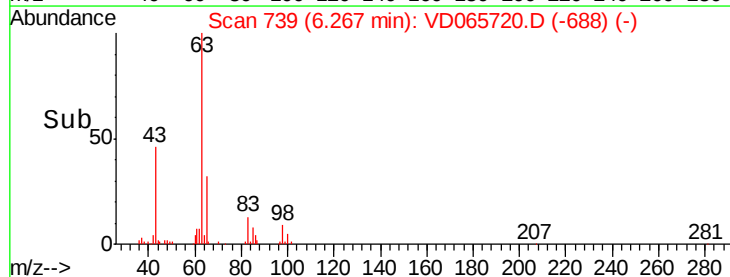
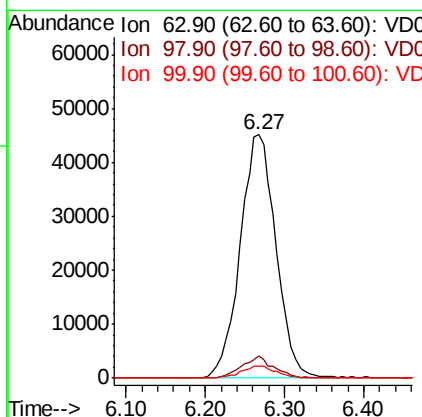
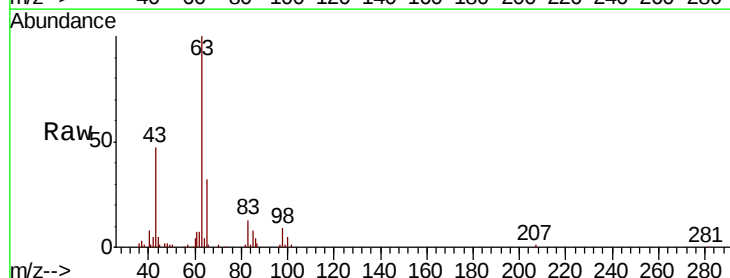
Instrument :
 MSVOA_D
 ClientSampleId :

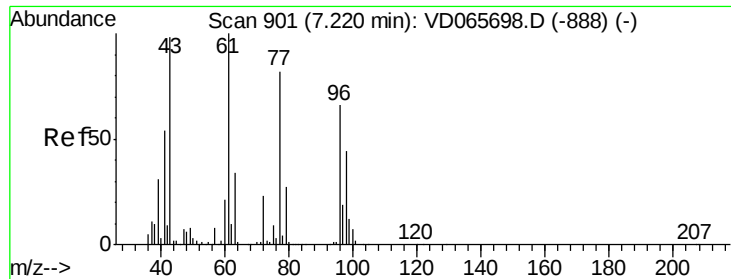
Tot Ion: 43 Resp: 737310
 Ion Ratio Lower Upper
 43 100
 86 10.8 7.4 11.0



#24
 1,1-Dichloroethane
 Concen: 19.641 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD065720.D
 Acq: 08 May 2020 12:55

Tgt Ion: 63 Resp: 141372
 Ion Ratio Lower Upper
 63 100
 98 9.0 3.4 10.2
 100 4.7 2.3 6.9

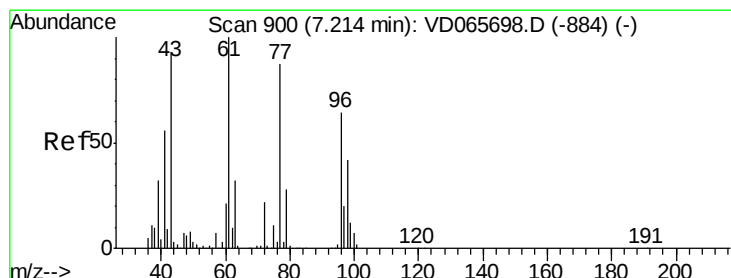
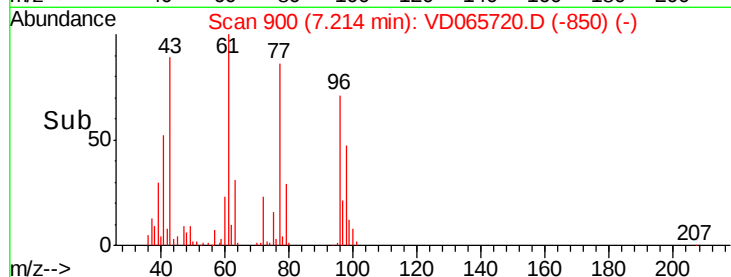
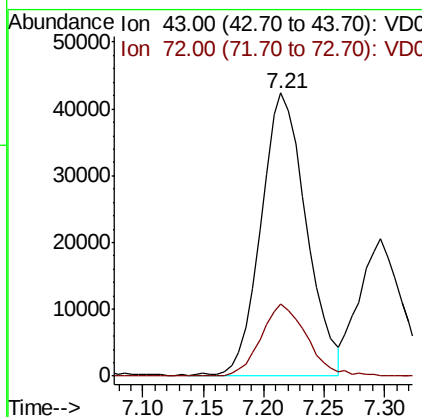
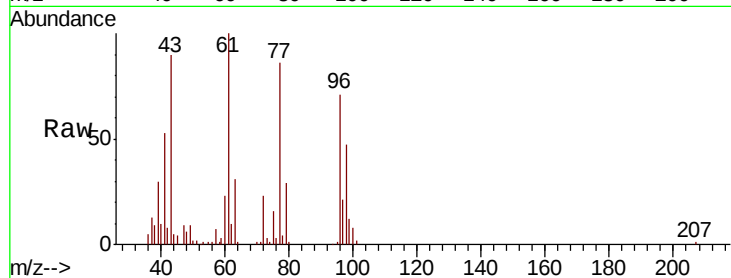




#25
2-Butanone
Concen: 93.937 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

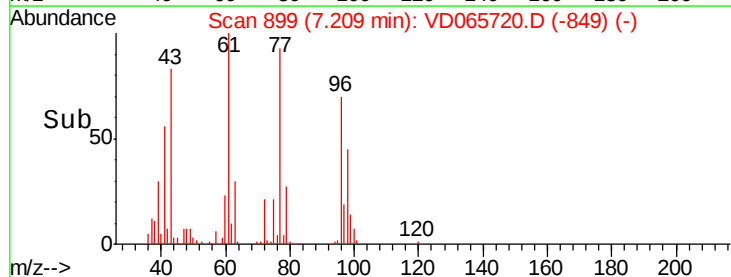
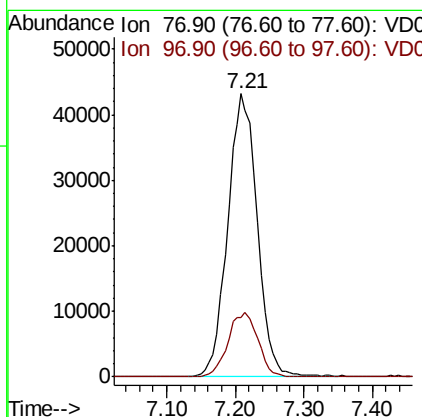
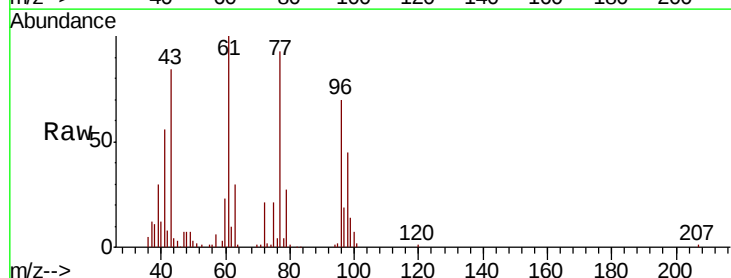
Instrument :
MSVOA_D
ClientSampleId :

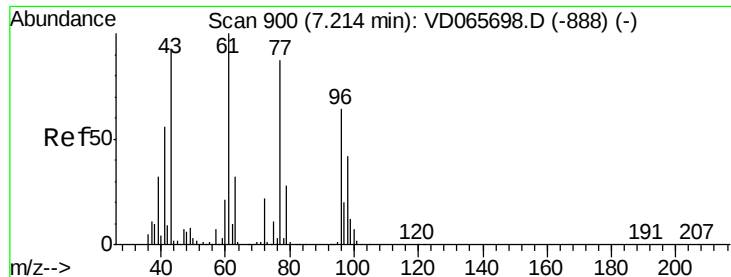
Tot Ion: 43 Resp: 110724
Ion Ratio Lower Upper
43 100
72 25.4 19.2 28.8



#26
2,2-Dichloropropane
Concen: 19.844 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

Tgt Ion: 77 Resp: 128601
Ion Ratio Lower Upper
77 100
97 23.0 11.3 33.9



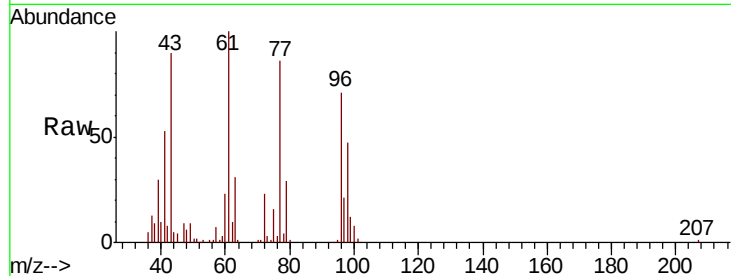


#27

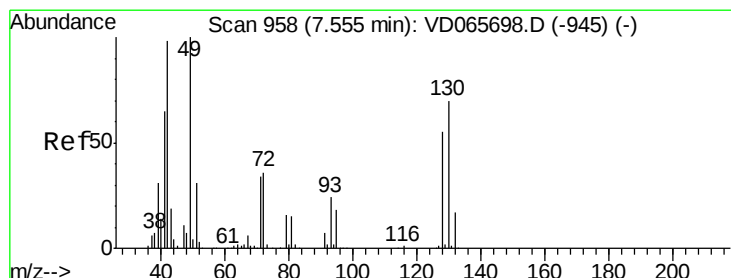
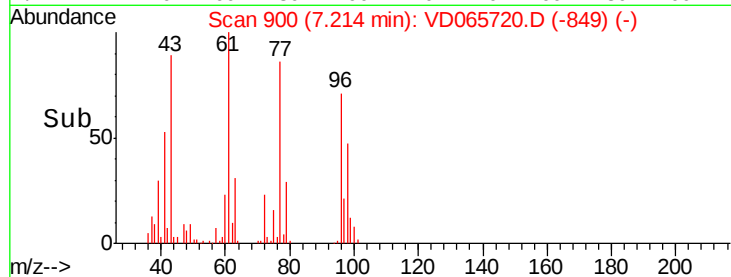
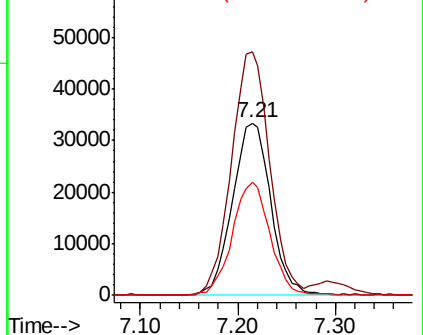
cis-1,2-Dichloroethene
Concen: 20.769 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 91436
Ion Ratio Lower Upper
96 100
61 141.2 0.0 306.6
98 64.8 0.0 129.4



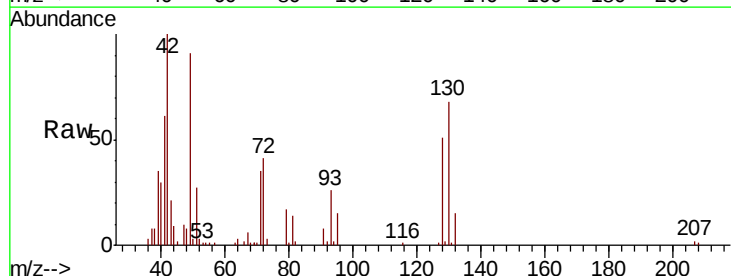
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



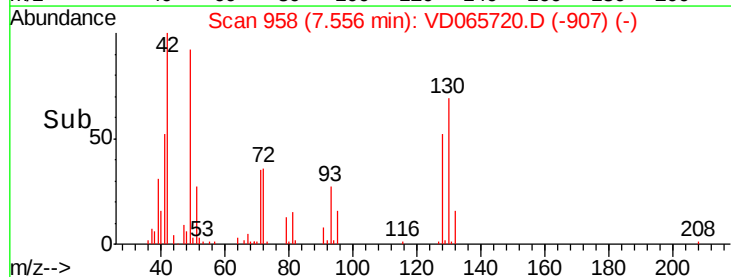
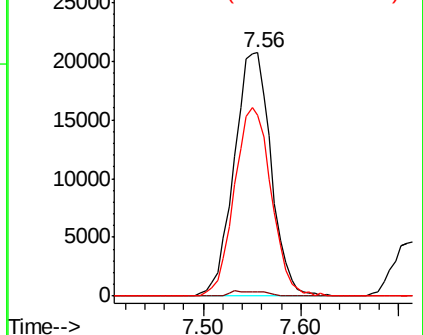
#28

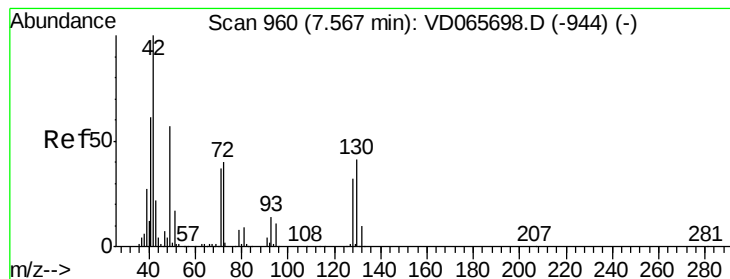
Bromochloromethane
Concen: 18.241 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.00 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

Tgt Ion: 49 Resp: 54759
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 77.4 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: 95.487 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :

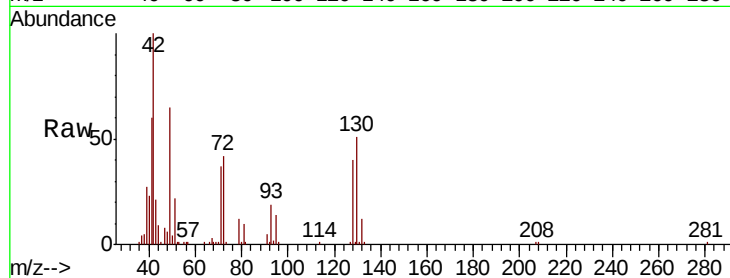
Tot Ion: 42 Resp: 72543

Ion Ratio Lower Upper

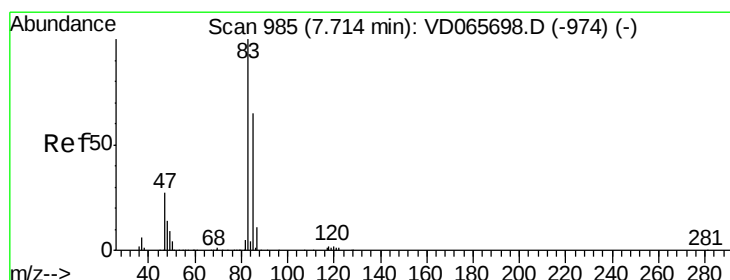
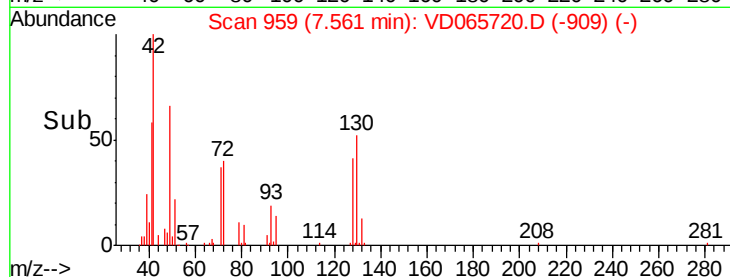
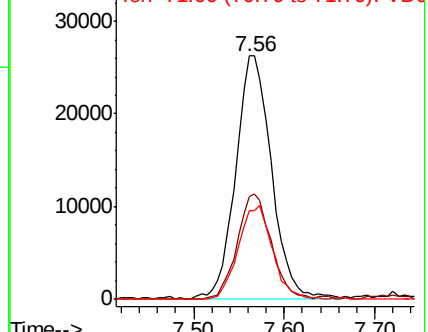
42 100

72 40.7 30.4 45.6

71 36.6 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: 20.268 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065720.D

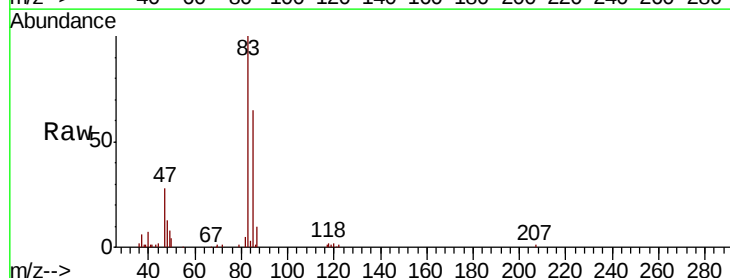
Acq: 08 May 2020 12:55

Tgt Ion: 83 Resp: 140385

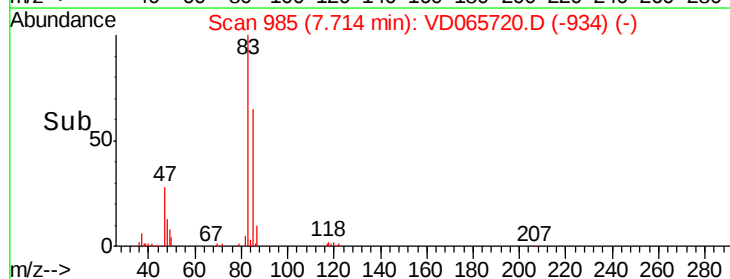
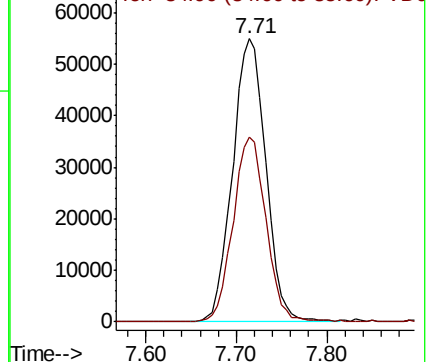
Ion Ratio Lower Upper

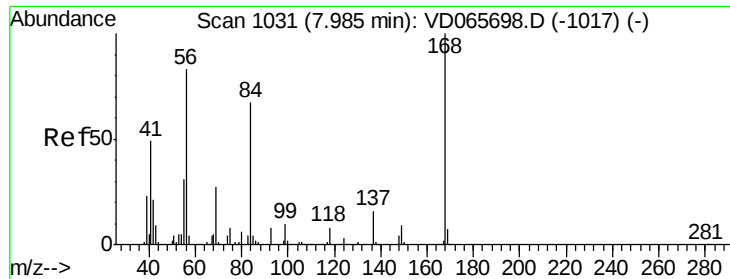
83 100

85 65.1 52.1 78.1



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

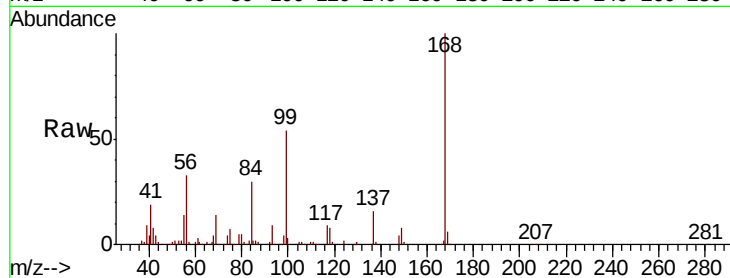




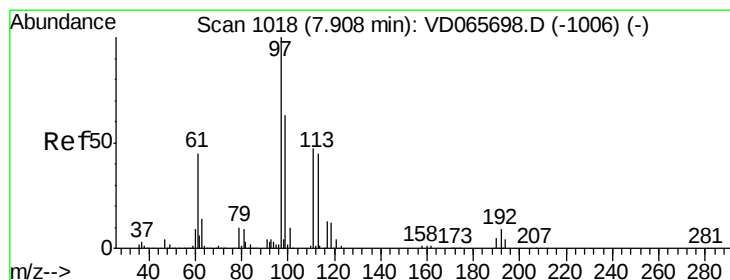
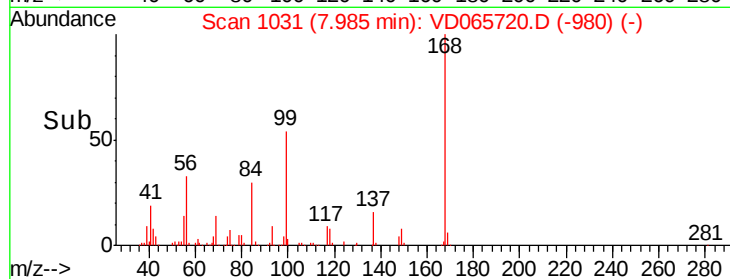
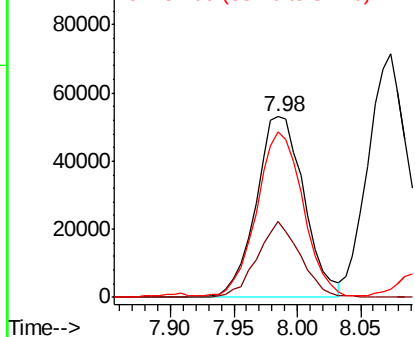
#31
Cyclohexane
Concen: 18.765 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 139756
Ion Ratio Lower Upper
56 100
69 41.9 26.3 39.5#
84 90.7 64.5 96.7

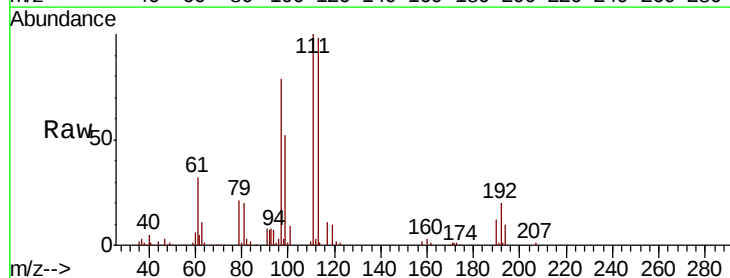


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

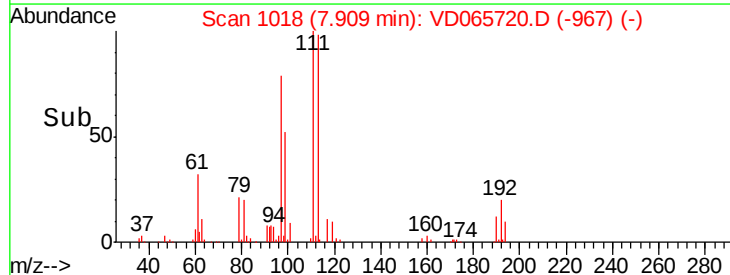
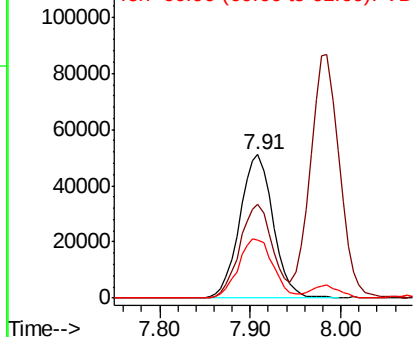


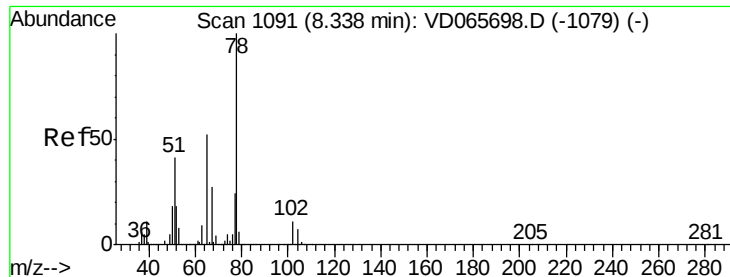
#32
1,1,1-Trichloroethane
Concen: 20.328 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

Tgt Ion: 97 Resp: 130518
Ion Ratio Lower Upper
97 100
99 64.6 50.8 76.2
61 42.5 36.0 54.0



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

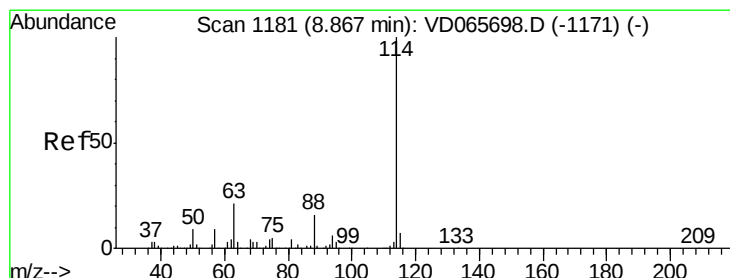
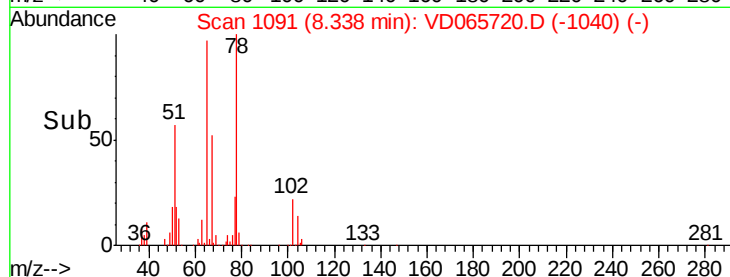
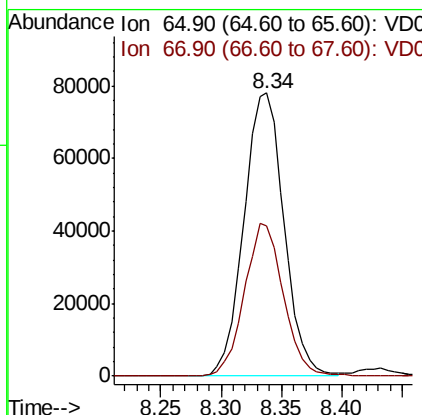
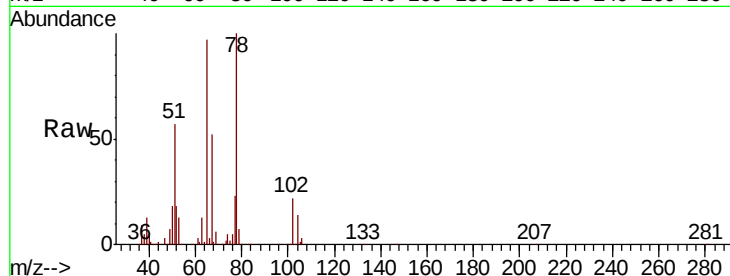




#33
 1,2-Dichloroethane-d4
 Concen: 48.602 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065720.D
 Acq: 08 May 2020 12:55

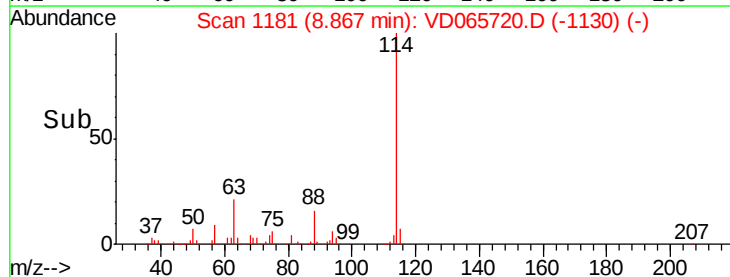
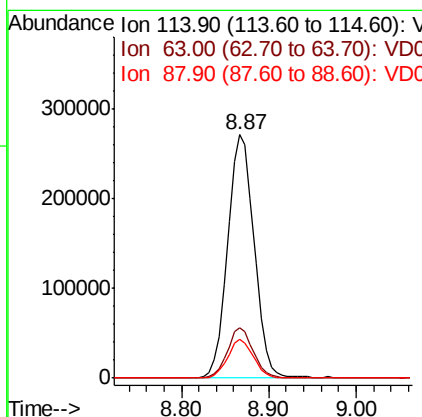
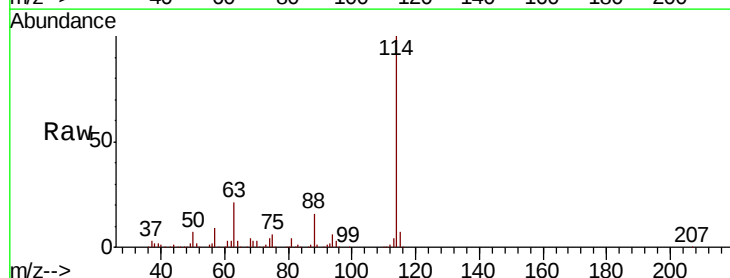
Instrument :
 MSVOA_D
 ClientSampled :

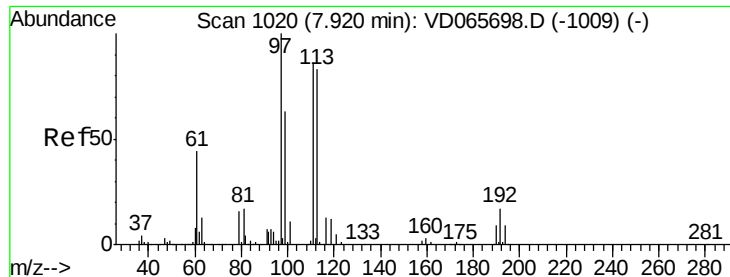
Tot Ion: 65 Resp: 180893
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065720.D
 Acq: 08 May 2020 12:55

Tgt Ion: 114 Resp: 561110
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.4
 88 15.7 0.0 32.6

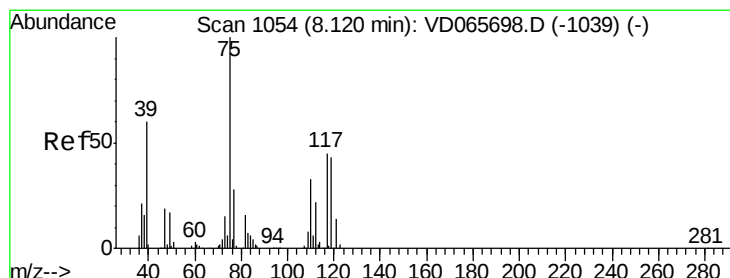
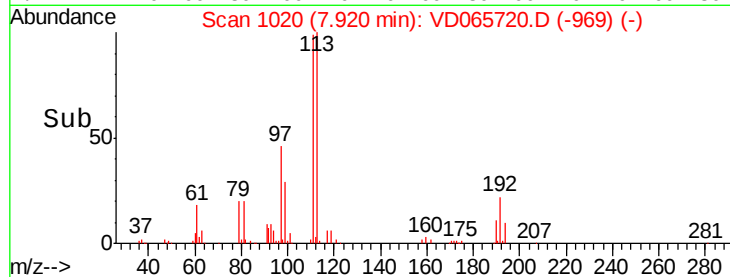
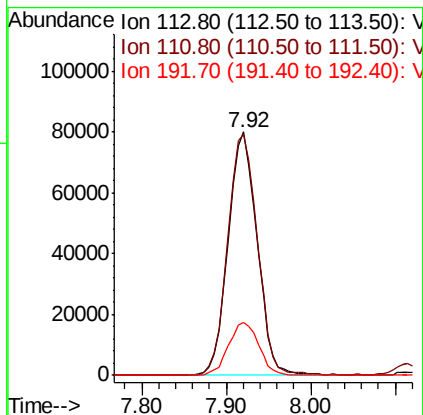
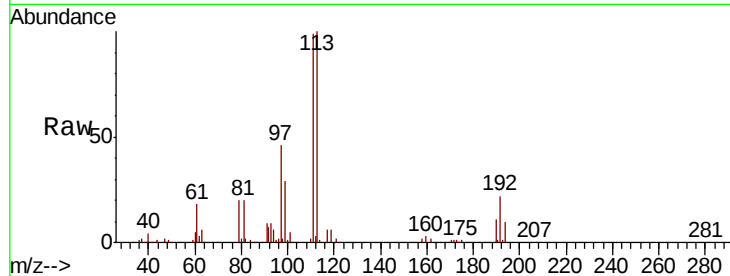




#35
 Dibromofluoromethane
 Concen: 53.833 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065720.D
 Acq: 08 May 2020 12:55

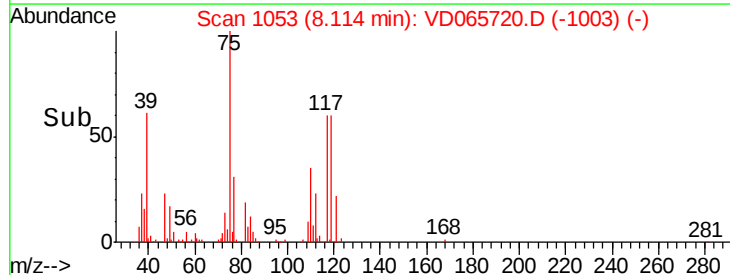
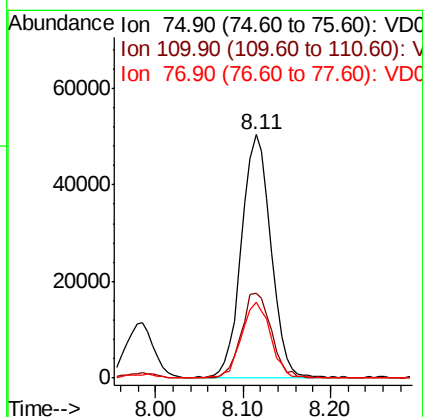
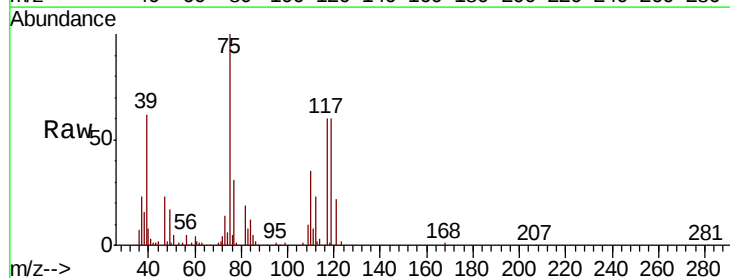
Instrument :
 MSVOA_D
 ClientSampleId :

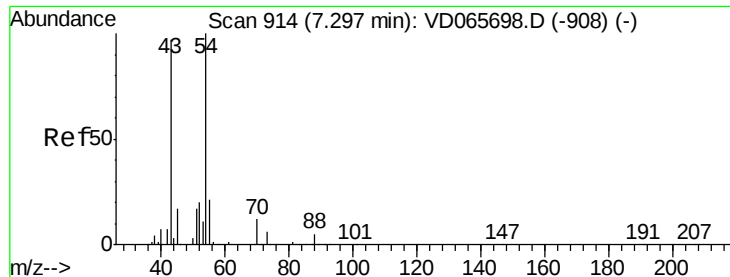
Tot Ion:113 Resp: 188785
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.7 124.1
 192 22.7 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 20.670 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD065720.D
 Acq: 08 May 2020 12:55

Tgt Ion: 75 Resp: 115182
 Ion Ratio Lower Upper
 75 100
 110 35.1 17.2 51.6
 77 30.8 23.7 35.5

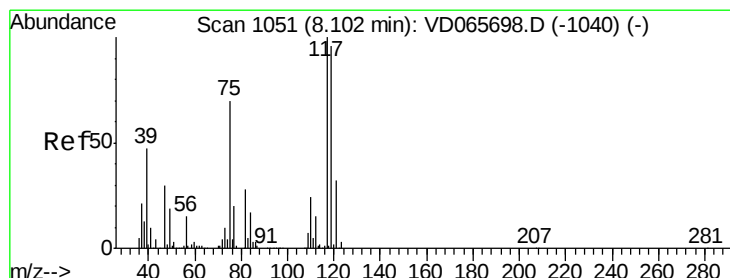
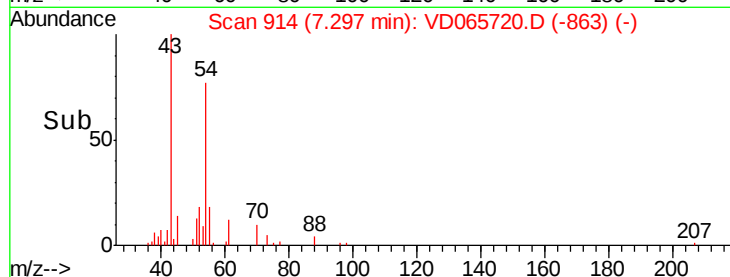
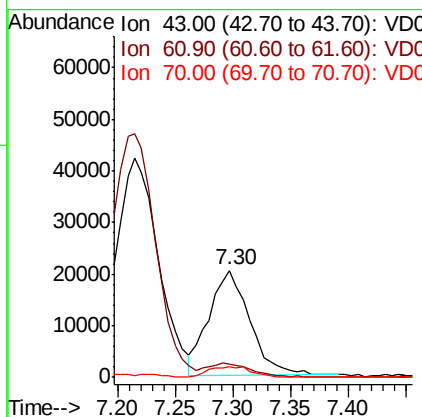
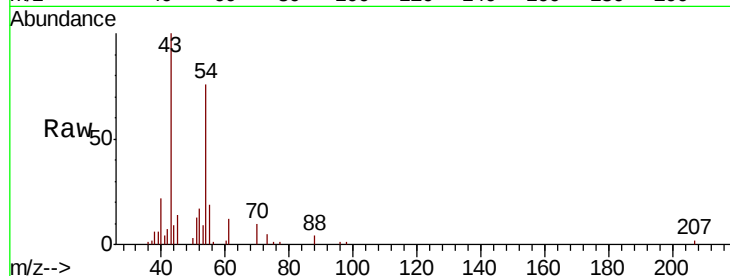




#37
Ethyl Acetate
Concen: 18.771 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

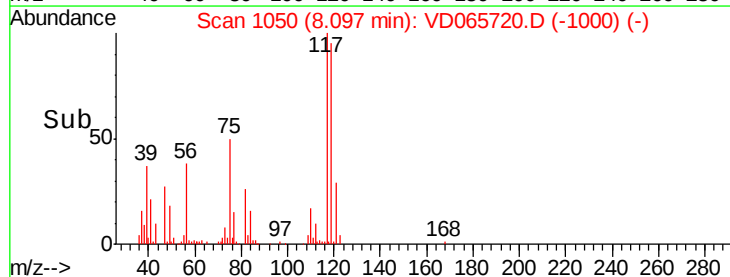
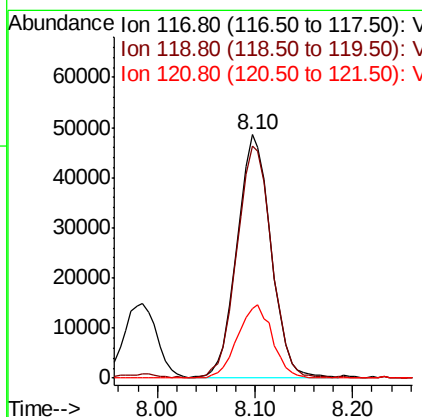
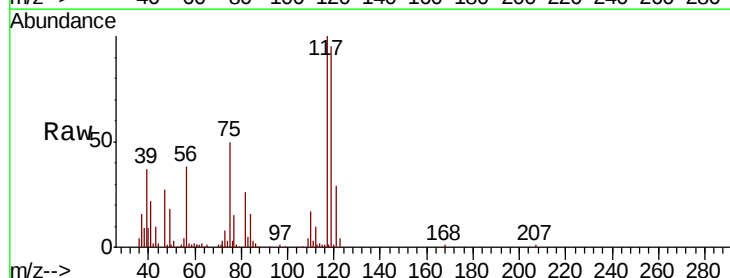
Instrument :
MSVOA_D
ClientSampled :

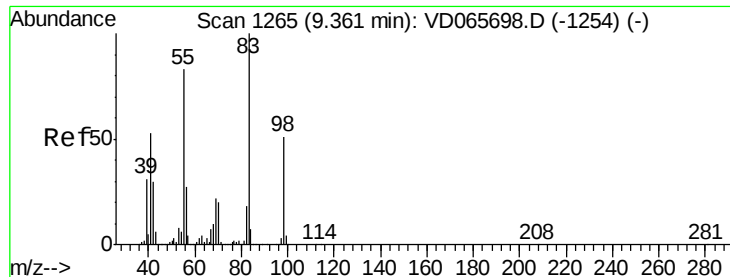
Tot Ion: 43 Resp: 50367
Ion Ratio Lower Upper
43 100
61 13.2 9.9 14.9
70 10.9 7.3 10.9



#38
Carbon Tetrachloride
Concen: 21.480 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

Tgt Ion: 117 Resp: 118679
Ion Ratio Lower Upper
117 100
119 95.4 77.1 115.7
121 28.8 25.5 38.3

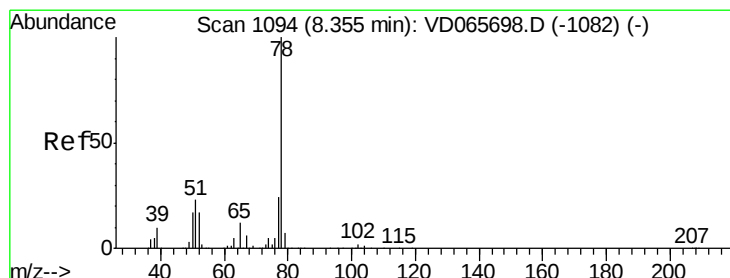
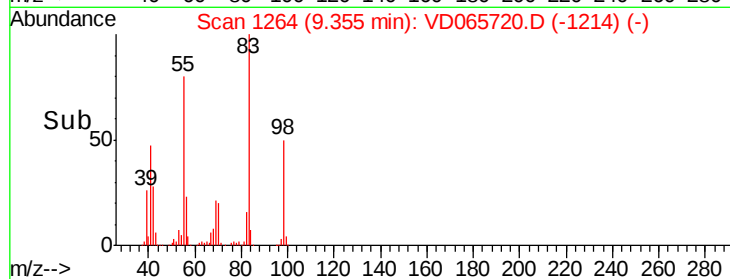
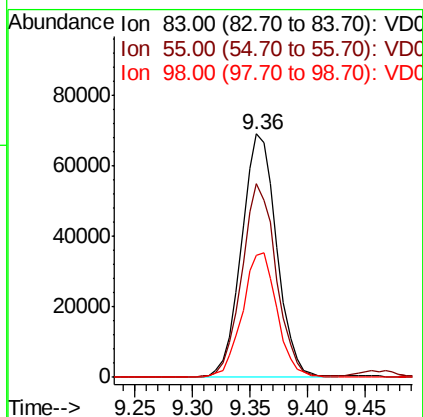
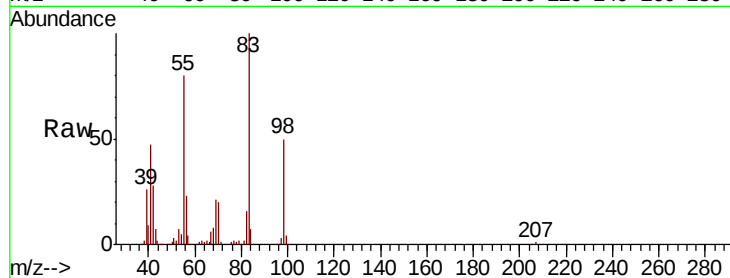




#39
Methvlcvclohexane
Concen: 20.959 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

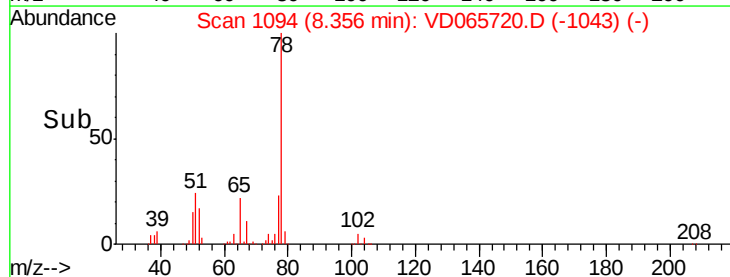
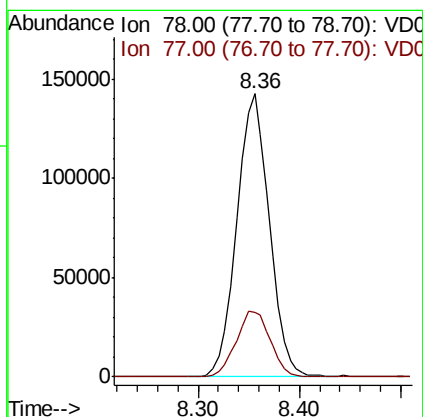
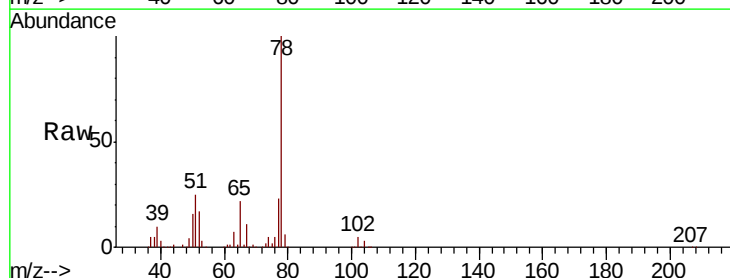
Instrument :
MSVOA_D
ClientSampleId :

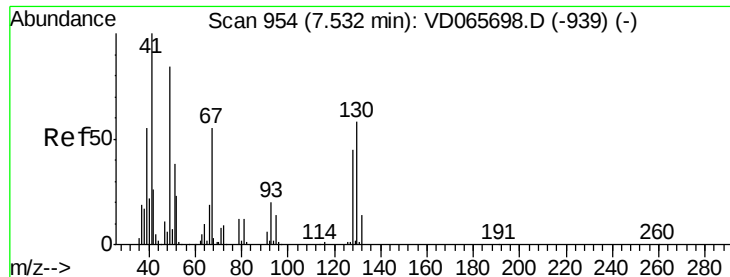
Tot Ion: 83 Resp: 146633
Ion Ratio Lower Upper
83 100
55 79.7 66.0 99.0
98 50.0 41.0 61.4



#40
Benzene
Concen: 20.908 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

Tgt Ion: 78 Resp: 318192
Ion Ratio Lower Upper
78 100
77 22.9 19.6 29.4

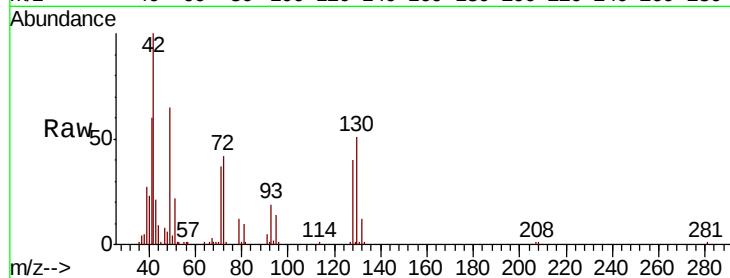




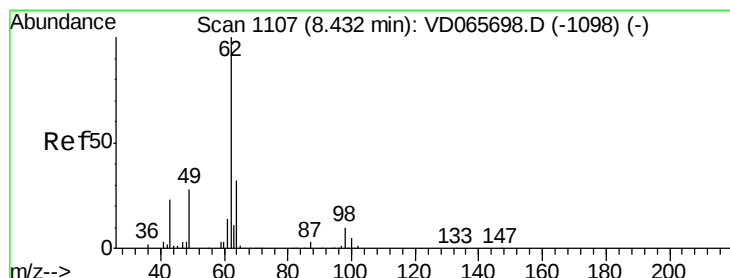
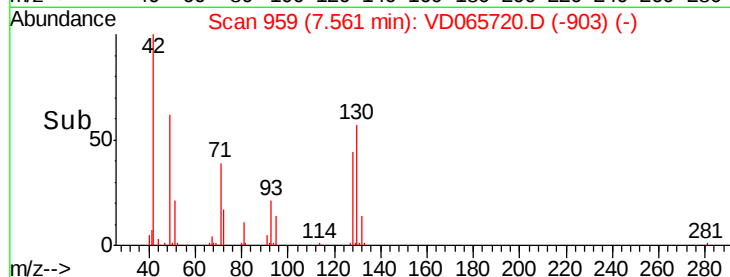
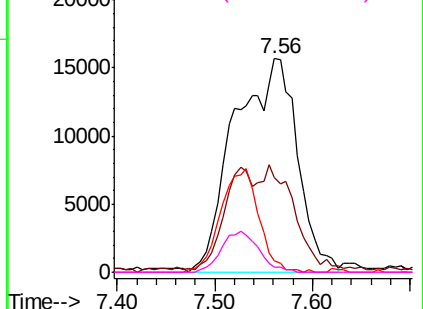
#41
Methacrylonitrile
Concen: 45.498 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.03 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	41	Resp:	70417
Ion	Ratio	Lower	Upper
41	100		
39	0.0	52.5	78.7#
67	0.0	59.4	89.0#
52	0.0	25.6	38.4#

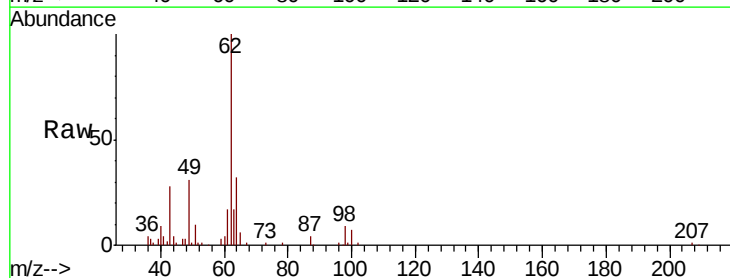


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

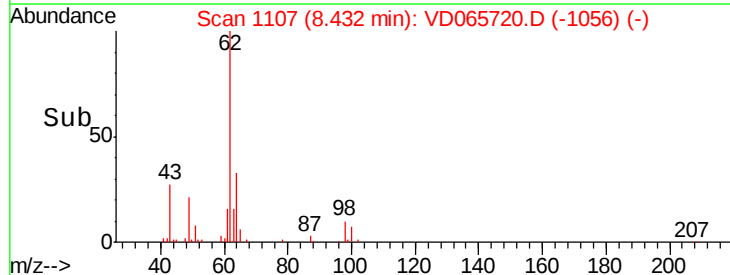
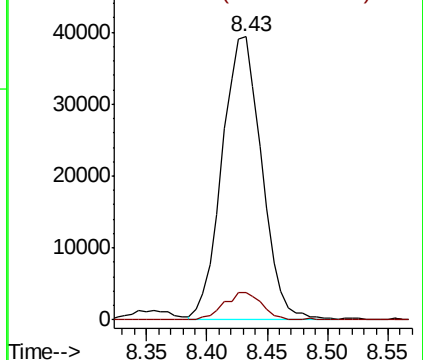


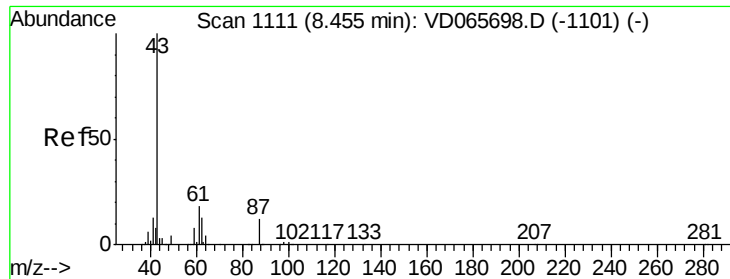
#42
1,2-Dichloroethane
Concen: 20.373 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

Tgt Ion:	62	Resp:	89216
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.2



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





#43

Isopropyl Acetate

Concen: 19.290 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

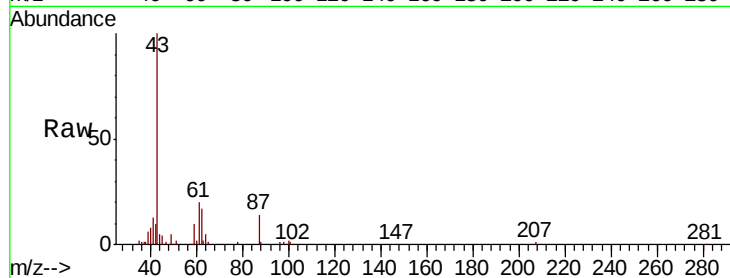
Tot Ion: 43 Resp: 103502

Ion Ratio Lower Upper

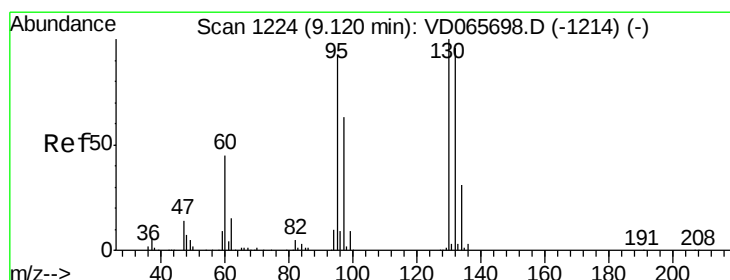
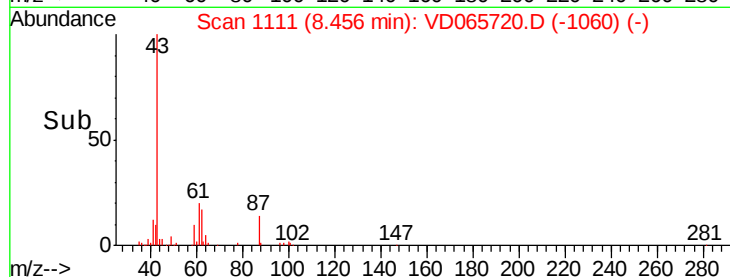
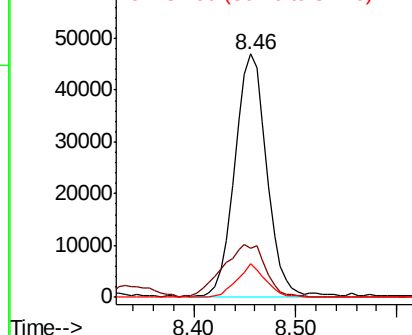
43 100

61 28.9 21.9 32.9

87 11.9 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: 22.134 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD065720.D

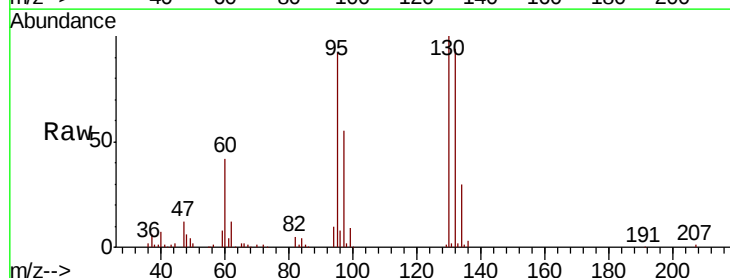
Acq: 08 May 2020 12:55

Tgt Ion:130 Resp: 92830

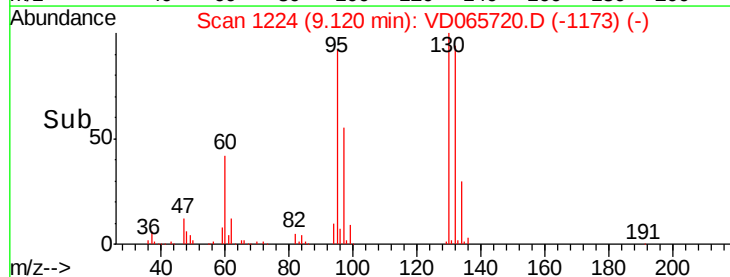
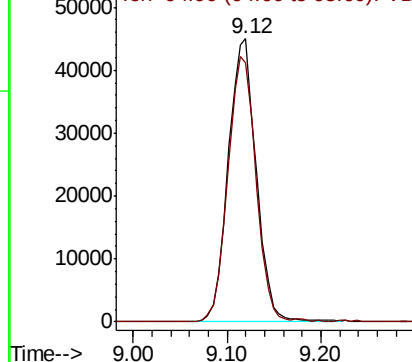
Ion Ratio Lower Upper

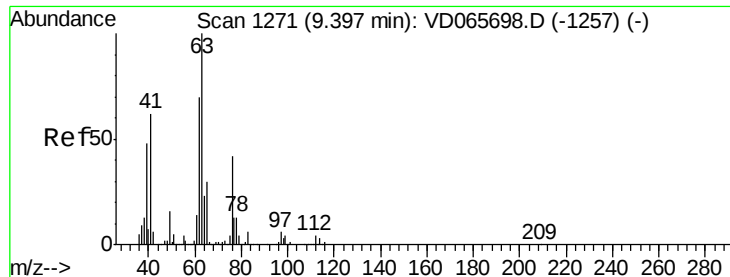
130 100

95 91.6 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC

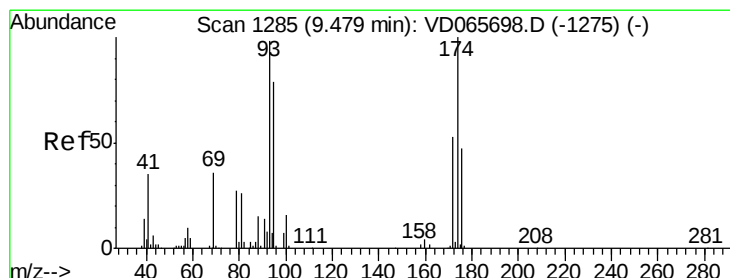
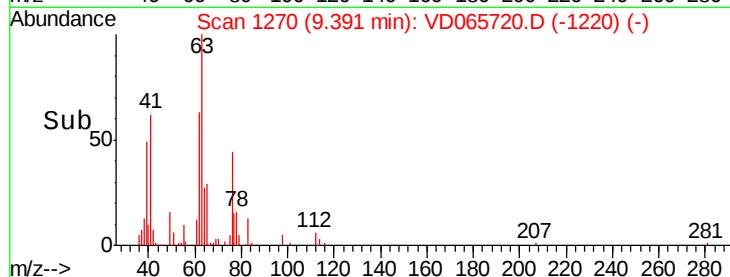
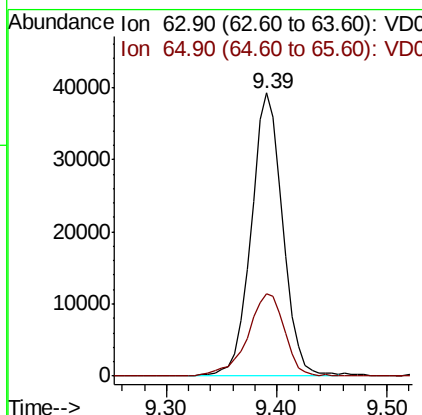
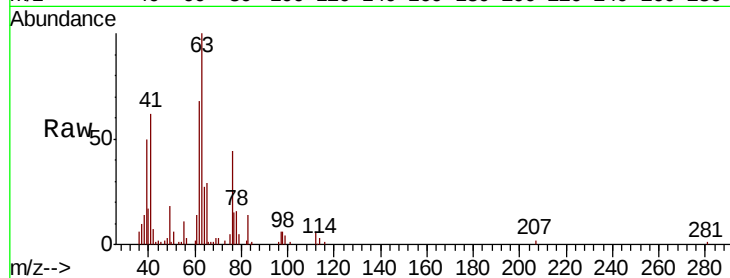




#45
 1,2-Dichloropropane
 Concen: 19.977 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD065720.D
 Acq: 08 May 2020 12:55

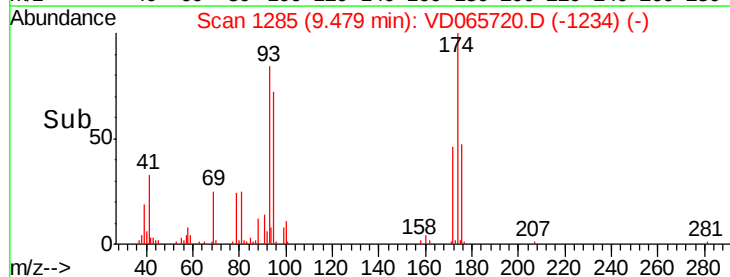
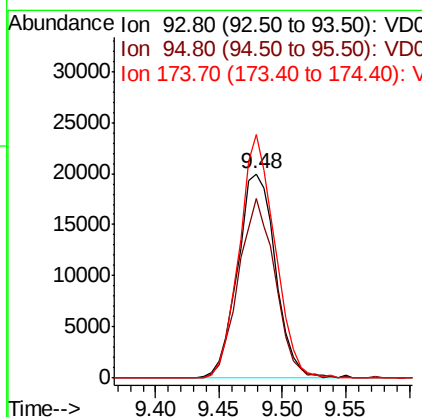
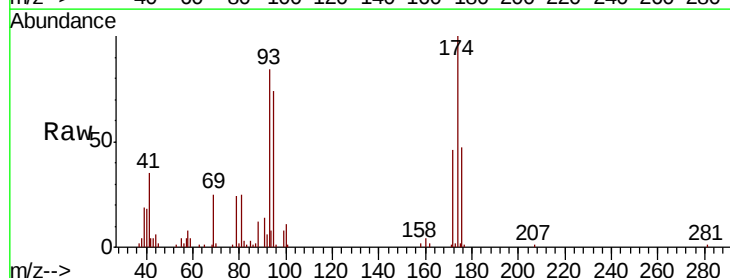
Instrument :
 MSVOA_D
 ClientSampleId :

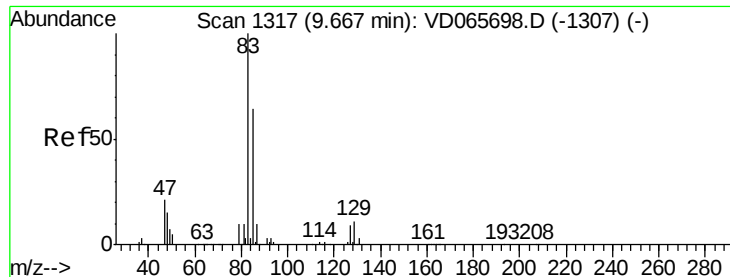
Tot Ion: 63 Resp: 78624
 Ion Ratio Lower Upper
 63 100
 65 29.3 24.1 36.1



#46
 Dibromomethane
 Concen: 21.029 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065720.D
 Acq: 08 May 2020 12:55

Tgt Ion: 93 Resp: 41515
 Ion Ratio Lower Upper
 93 100
 95 84.9 65.3 97.9
 174 111.1 82.7 124.1





#47

Bromodichloromethane

Concen: 20.944 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

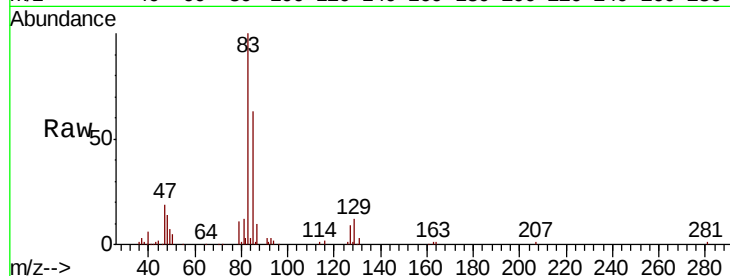
Tot Ion: 83 Resp: 110570

Ion Ratio Lower Upper

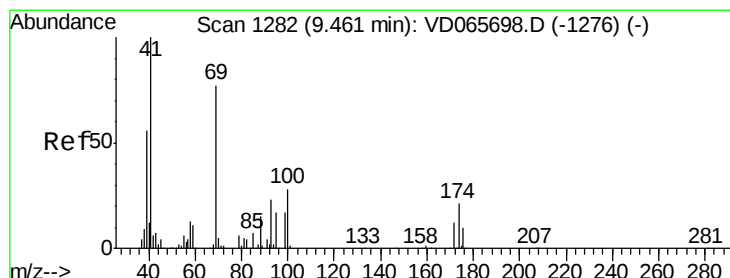
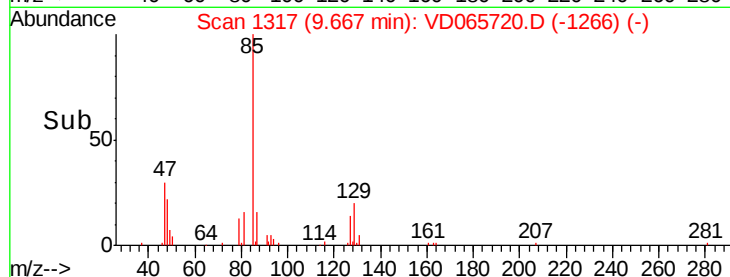
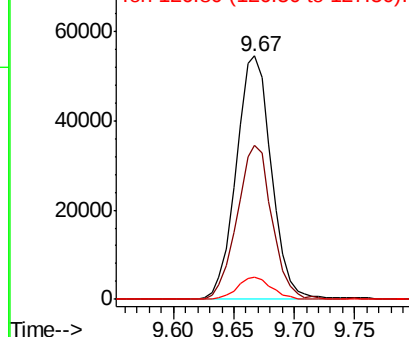
83 100

85 63.4 50.9 76.3

127 9.0 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: 18.630 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

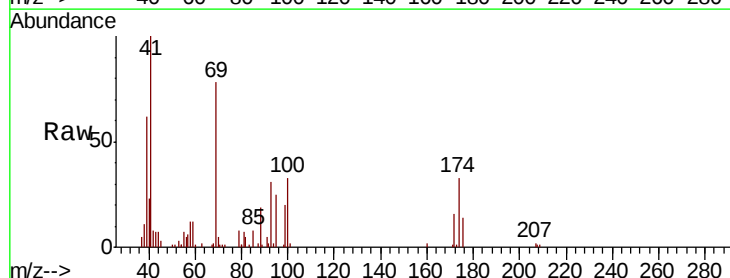
Tgt Ion: 41 Resp: 50054

Ion Ratio Lower Upper

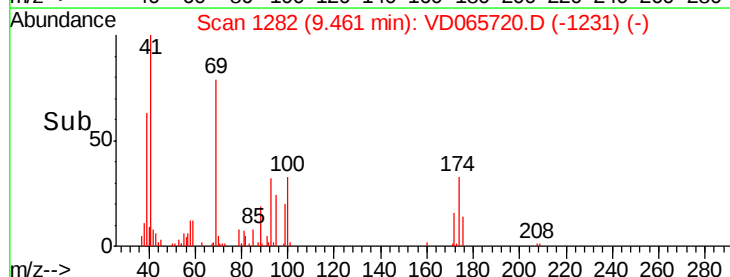
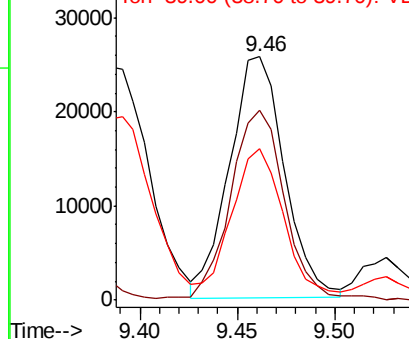
41 100

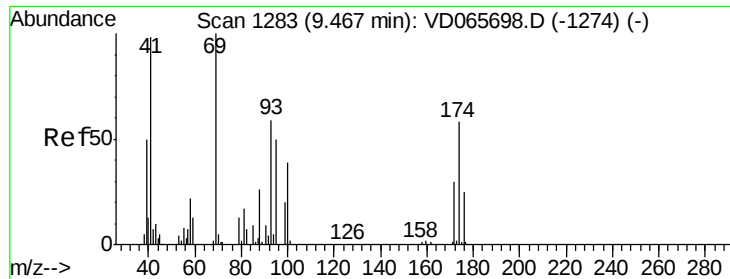
69 78.3 58.2 87.2

39 59.4 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

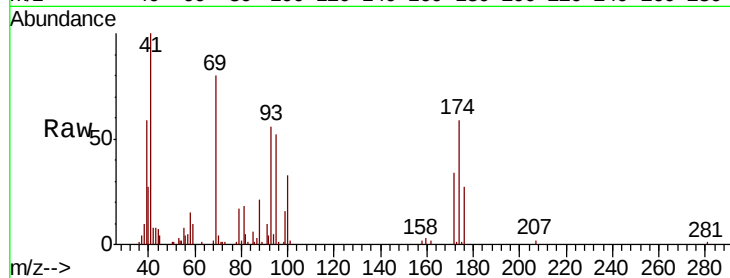




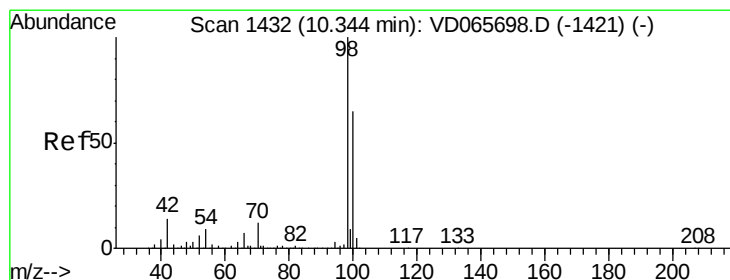
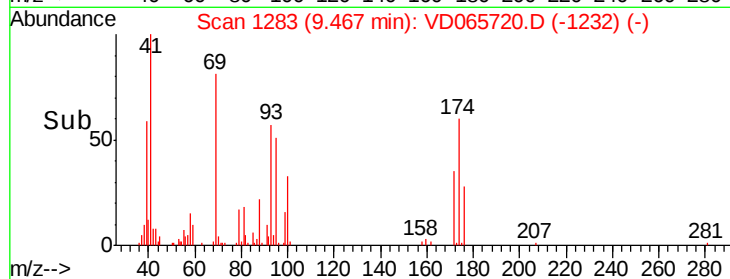
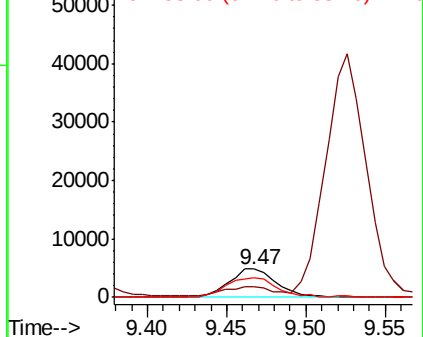
#49
1,4-Dioxane
Concen: 403.397 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 9762
Ion Ratio Lower Upper
88 100
43 37.0 31.6 47.4
58 74.9 60.2 90.4

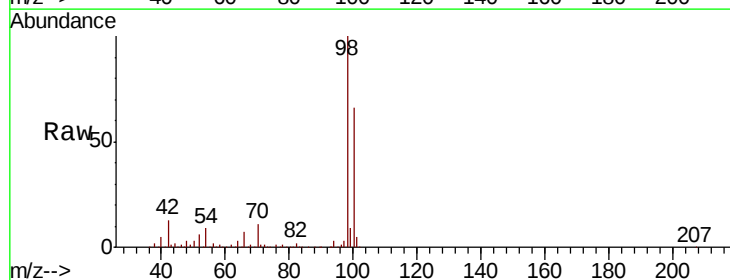


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

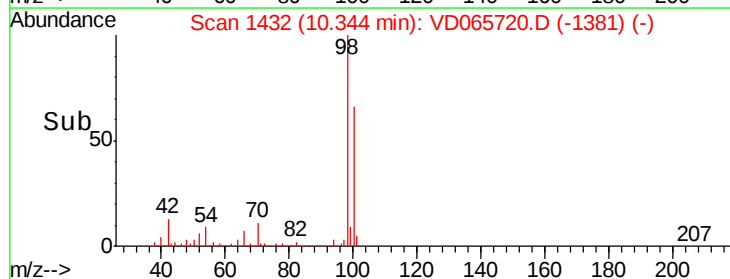
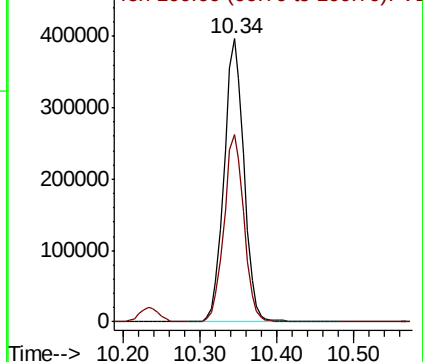


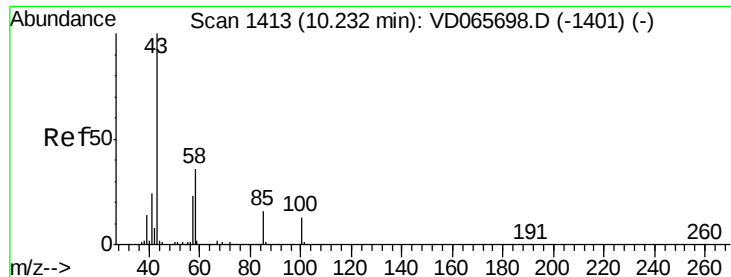
#50
Toluene-d8
Concen: 52.972 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

Tgt Ion: 98 Resp: 713390
Ion Ratio Lower Upper
98 100
100 66.4 52.6 78.8



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





#51

4-Methyl-2-Pentanone

Concen: 95.933 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

Instrument :

MSVOA_D

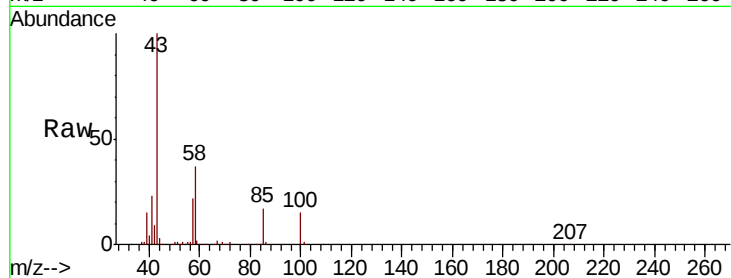
ClientSampleId :

Tot Ion: 43 Resp: 248080

Ion Ratio Lower Upper

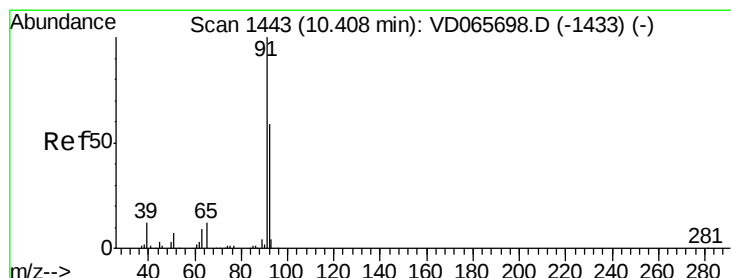
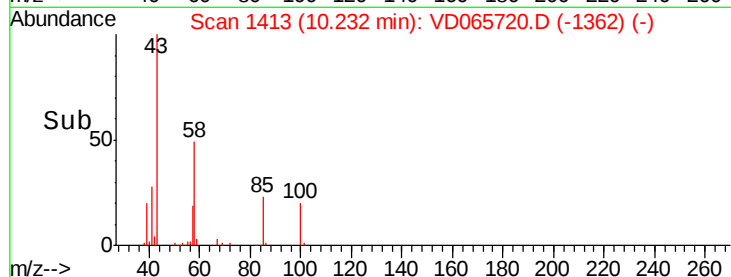
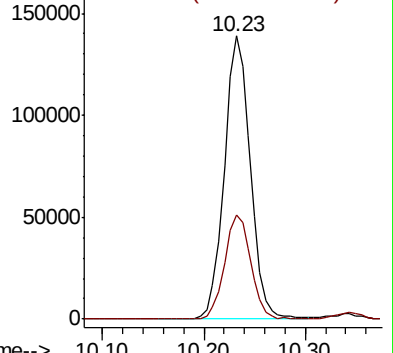
43 100

58 37.2 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: 21.593 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065720.D

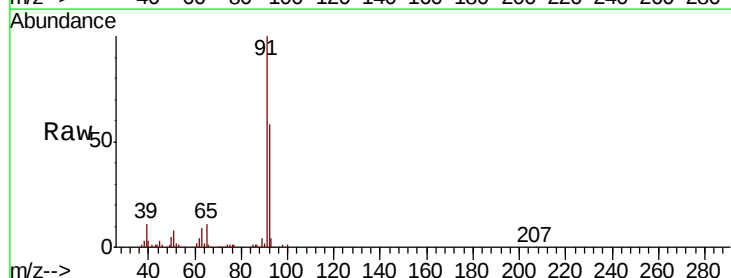
Acq: 08 May 2020 12:55

Tgt Ion: 92 Resp: 207818

Ion Ratio Lower Upper

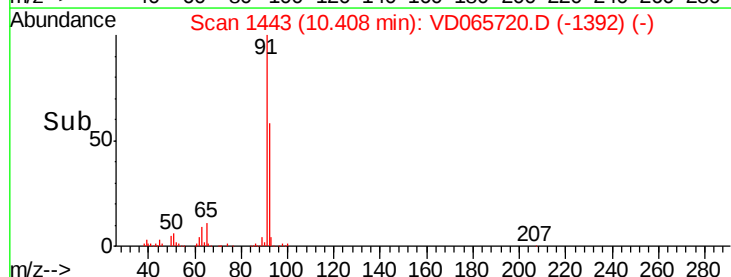
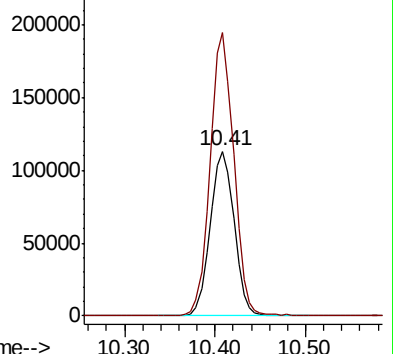
92 100

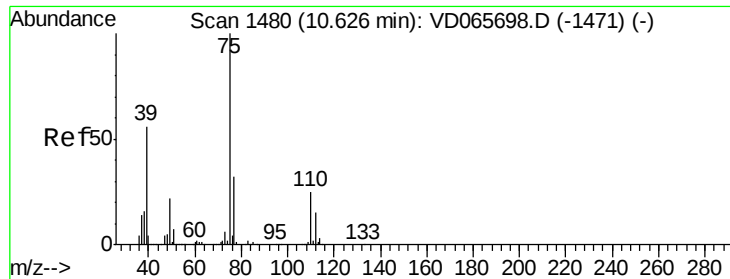
91 170.0 138.1 207.1



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: 20.297 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

Instrument :

MSVOA_D

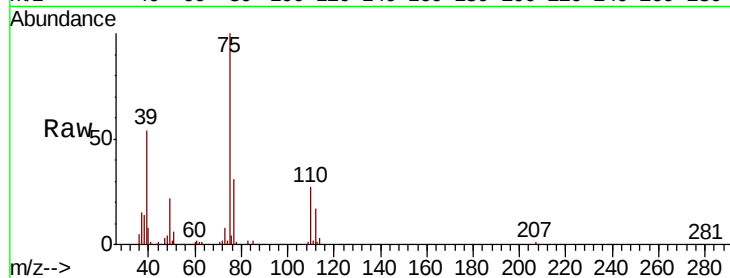
ClientSampleId :

Tot Ion: 75 Resp: 108536

Ion Ratio Lower Upper

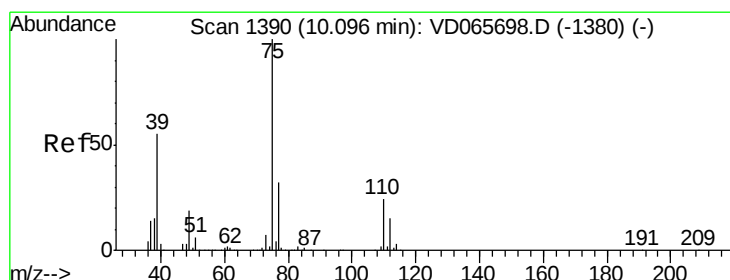
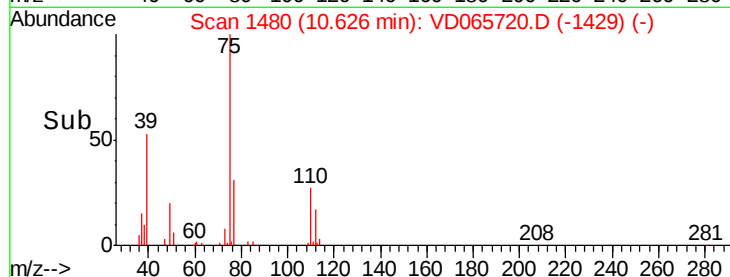
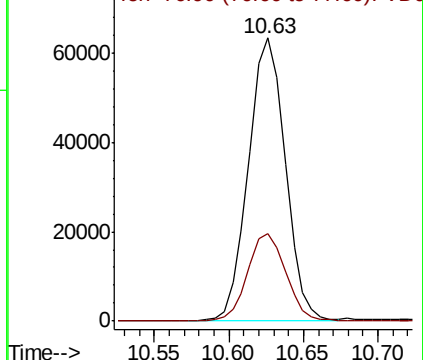
75 100

77 31.0 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.862 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

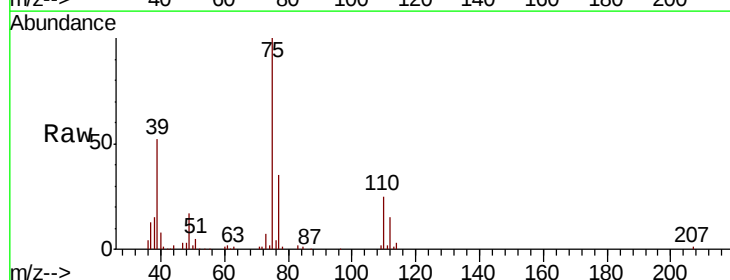
Tgt Ion: 75 Resp: 131423

Ion Ratio Lower Upper

75 100

77 34.5 25.8 38.8

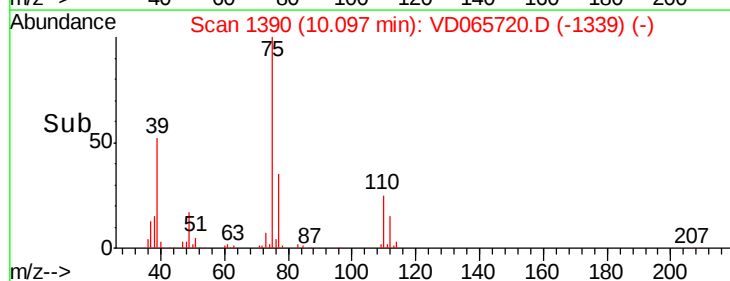
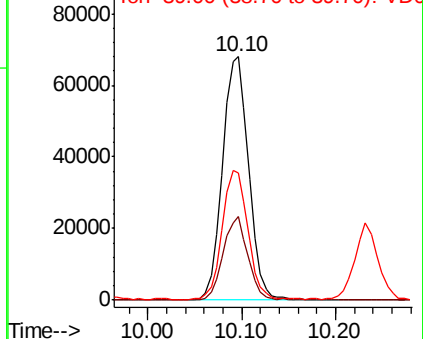
39 51.9 44.4 66.6

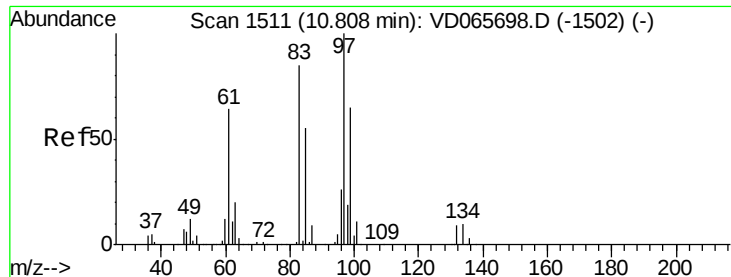


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

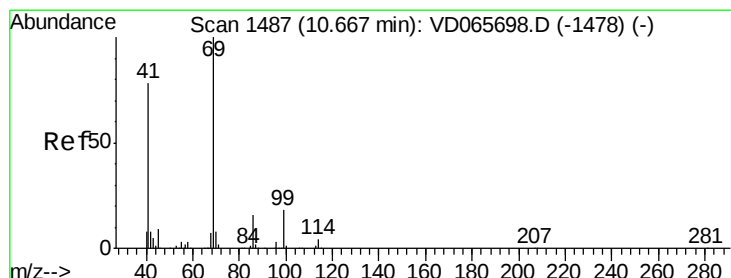
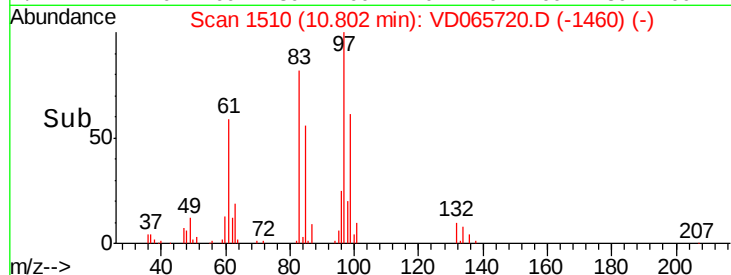
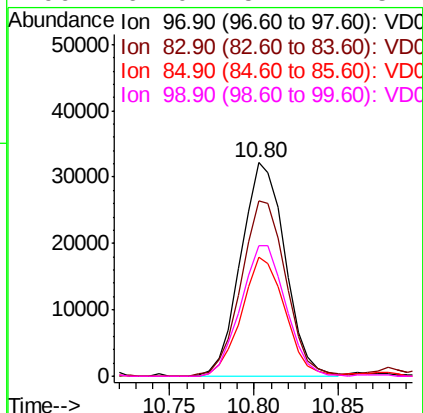
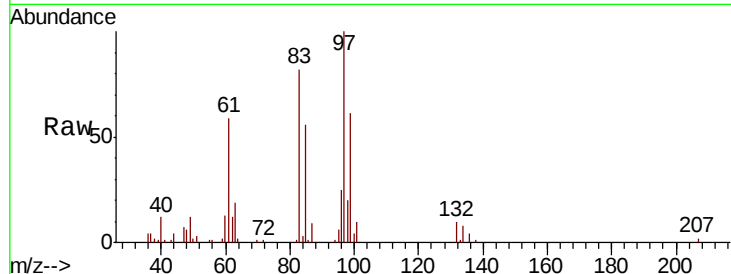




#55
 1,1,2-Trichloroethane
 Concen: 22.034 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065720.D
 Acq: 08 May 2020 12:55

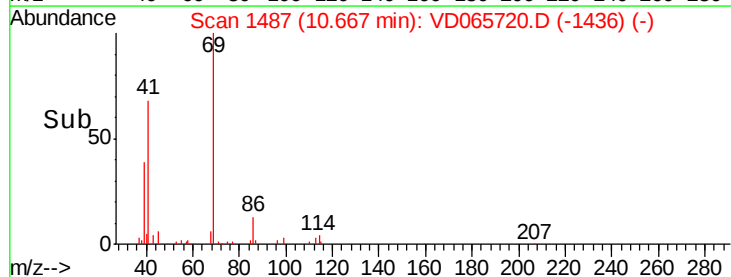
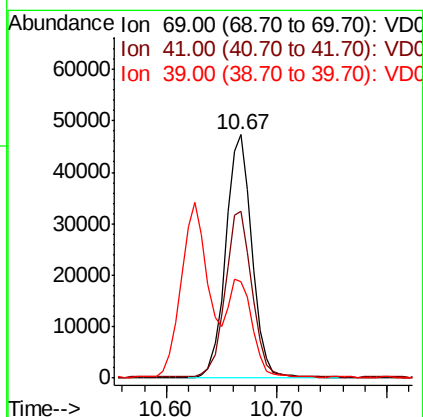
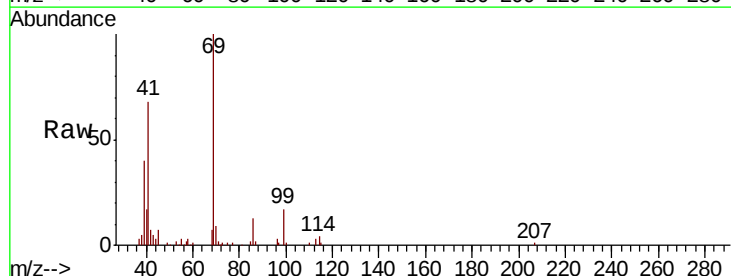
Instrument :
 MSVOA_D
 ClientSampleId :

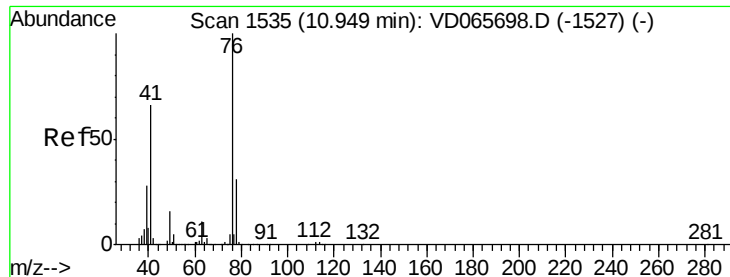
Tot Ion:	97	Resp:	58643
Ion	Ratio	Lower	Upper
97	100		
83	82.0	68.2	102.4
85	56.0	43.6	65.4
99	61.0	52.2	78.4



#56
 Ethyl methacrylate
 Concen: 20.483 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065720.D
 Acq: 08 May 2020 12:55

Tgt Ion:	69	Resp:	78712
Ion	Ratio	Lower	Upper
69	100		
41	70.2	61.4	92.0
39	38.3	32.7	49.1





#57

1,3-Dichloropropane

Concen: 21.160 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

Instrument :

MSVOA_D

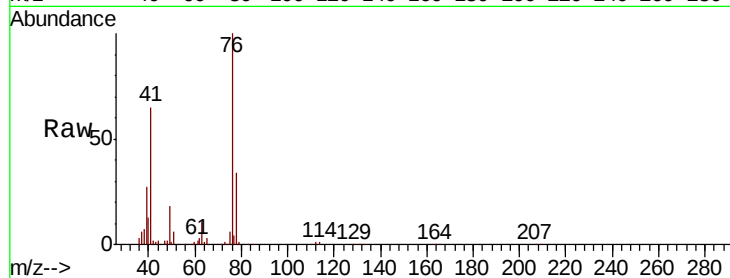
ClientSampleId :

Tot Ion: 76 Resp: 101244

Ion Ratio Lower Upper

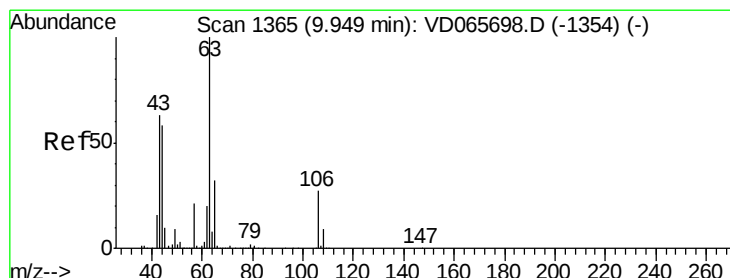
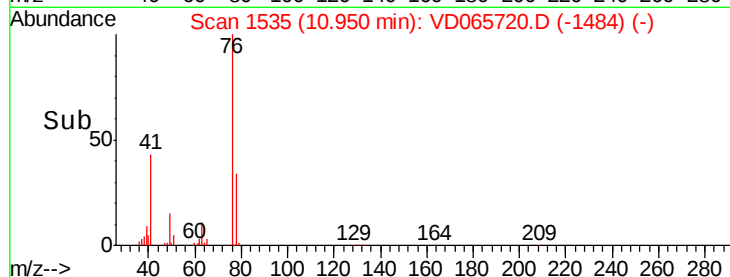
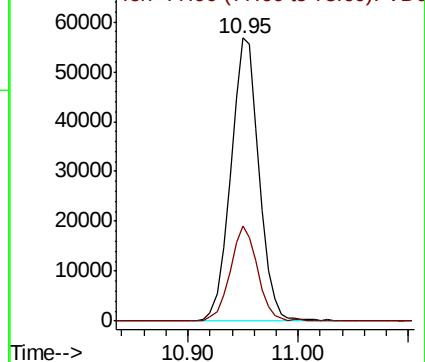
76 100

78 32.7 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 98.319 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065720.D

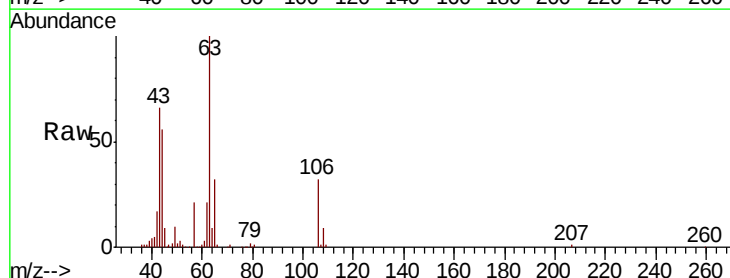
Acq: 08 May 2020 12:55

Tgt Ion: 63 Resp: 173448

Ion Ratio Lower Upper

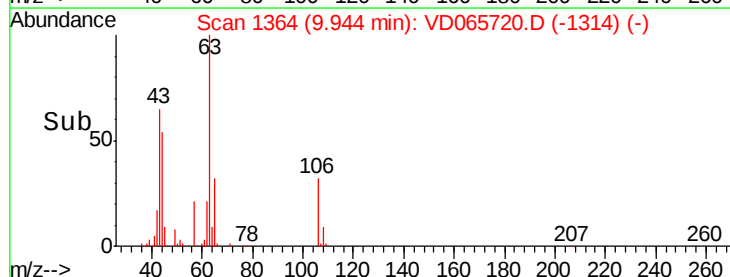
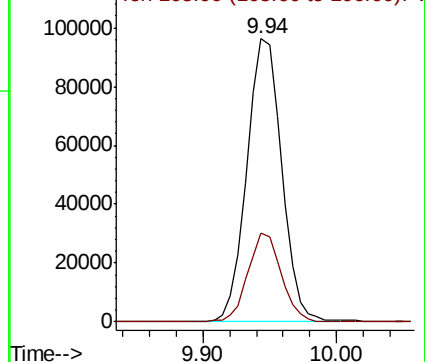
63 100

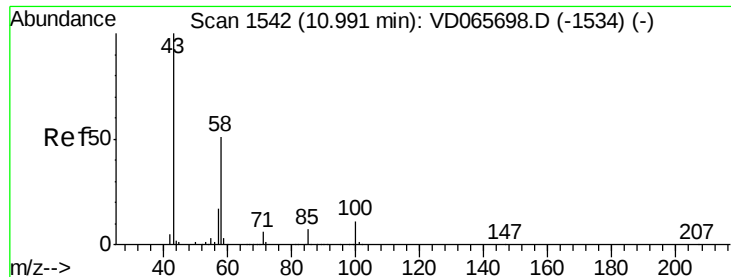
106 30.3 22.0 33.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

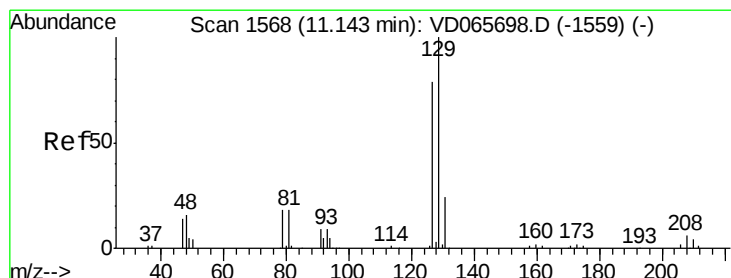
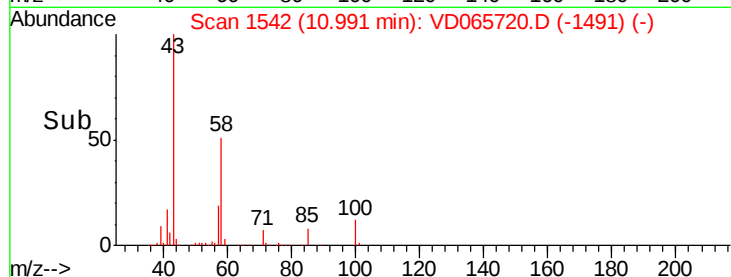
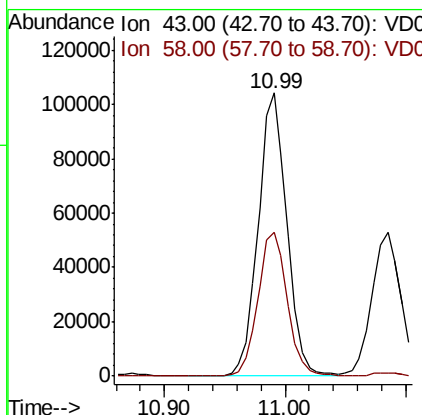
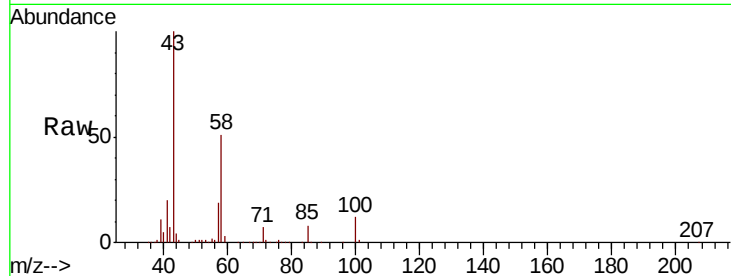




#59
2-Hexanone
Concen: 97.307 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

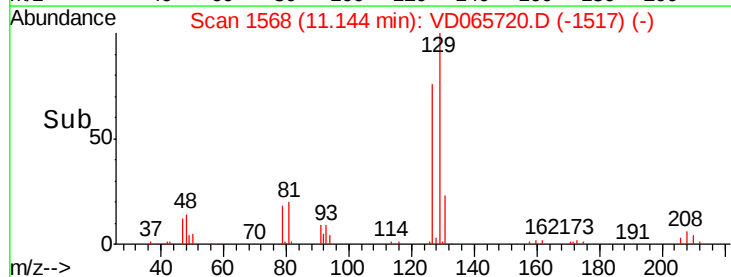
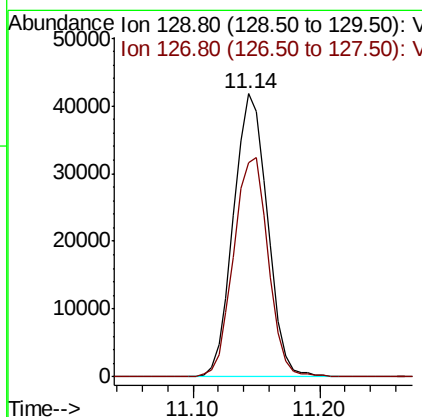
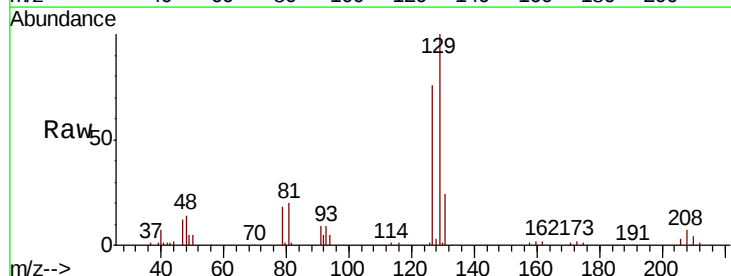
Instrument :
MSVOA_D
ClientSampled :

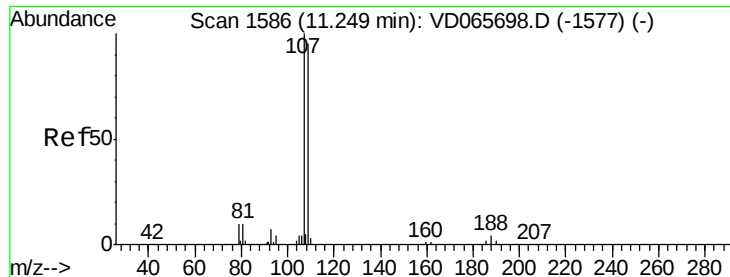
Tot Ion: 43 Resp: 173073
Ion Ratio Lower Upper
43 100
58 51.7 25.4 76.0



#60
Dibromochloromethane
Concen: 21.710 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

Tgt Ion: 129 Resp: 77618
Ion Ratio Lower Upper
129 100
127 78.8 38.9 116.6





#61

1,2-Dibromoethane

Concen: 21.575 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

Instrument :

MSVOA_D

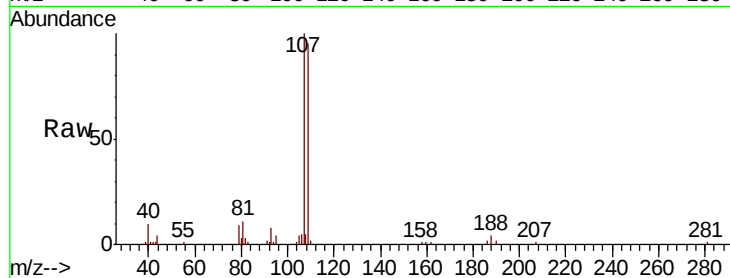
ClientSampleId :

Tot Ion:107 Resp: 57773

Ion Ratio Lower Upper

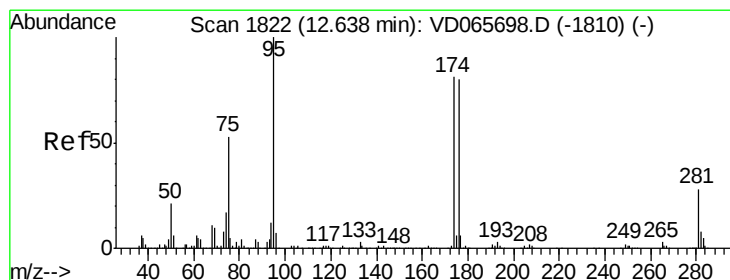
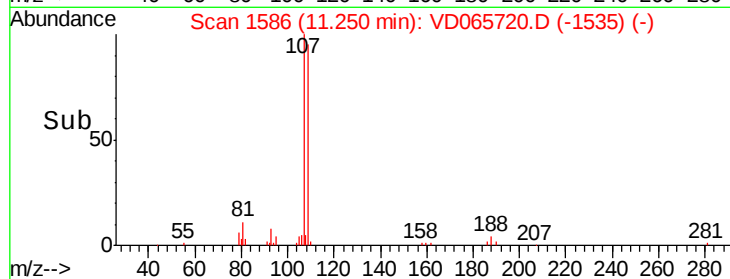
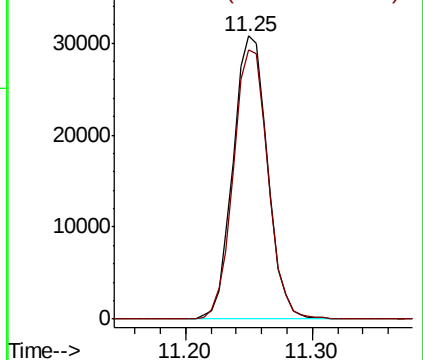
107 100

109 95.4 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.184 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

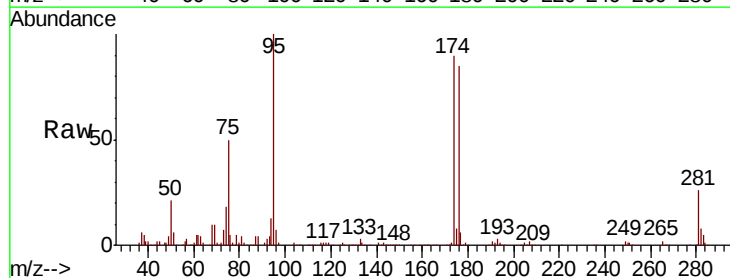
Tgt Ion: 95 Resp: 244368

Ion Ratio Lower Upper

95 100

174 90.0 0.0 162.6

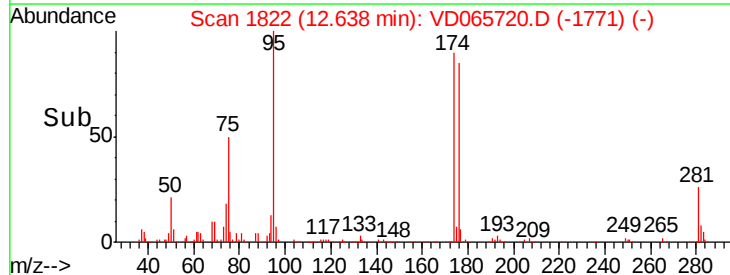
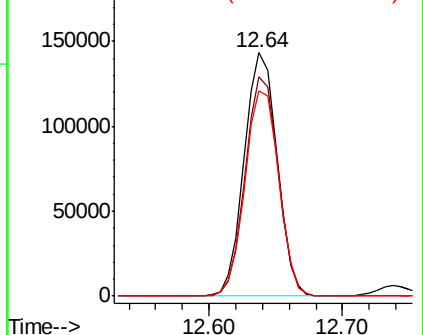
176 86.6 0.0 159.0

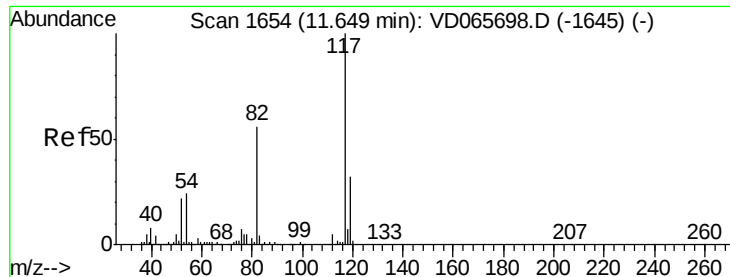


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

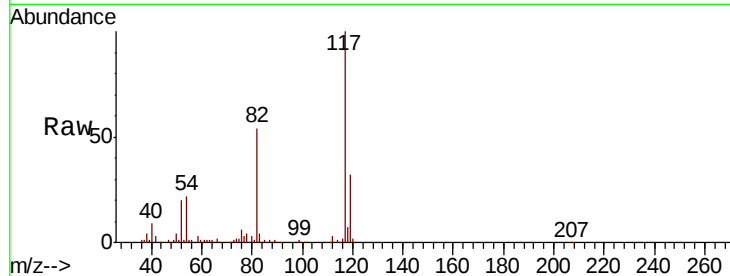




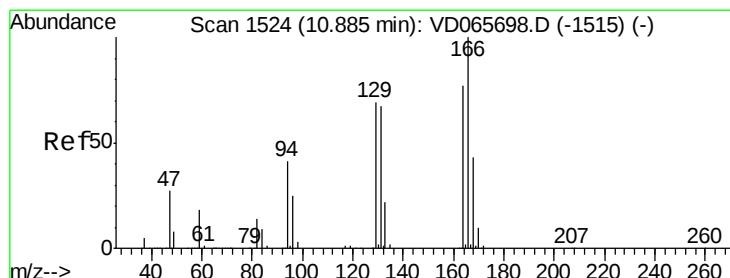
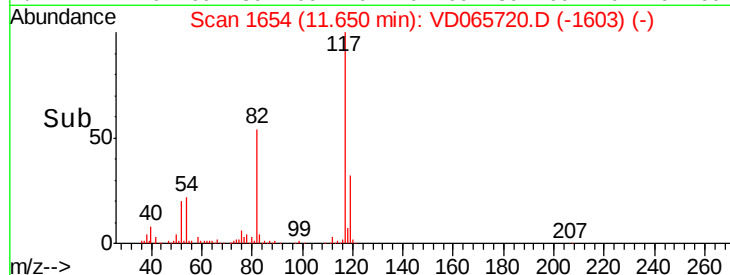
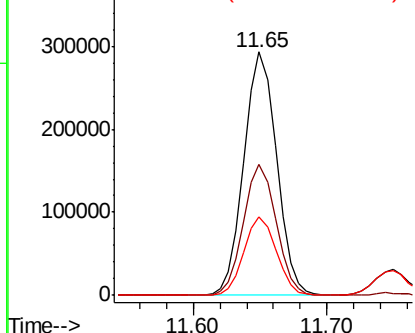
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	44.9	67.3
119	32.1	25.4	38.2

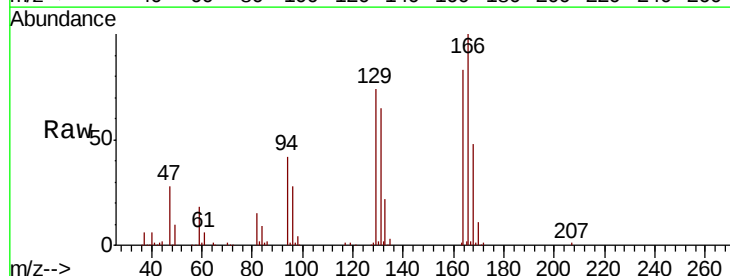


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

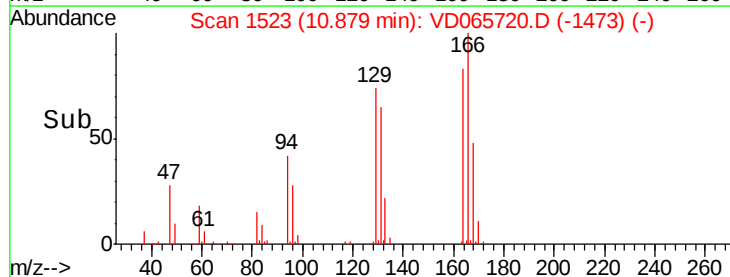
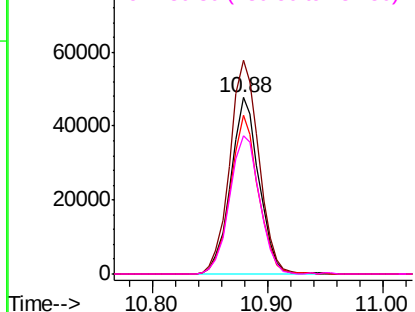


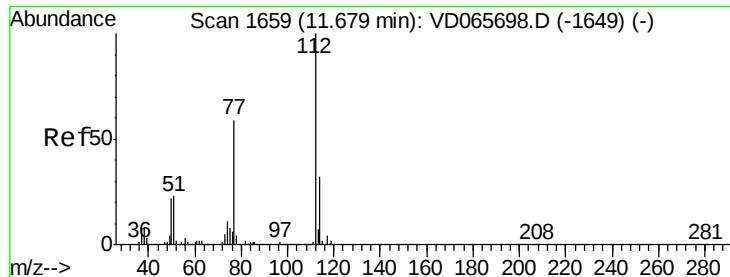
#64
Tetrachloroethene
Concen: 22.823 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.01 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.0	104.3	156.5
129	90.0	71.9	107.9
131	78.7	70.2	105.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

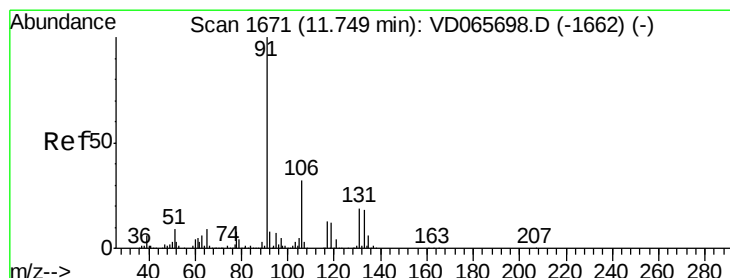
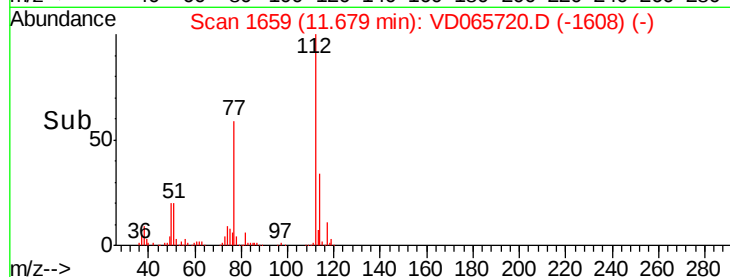
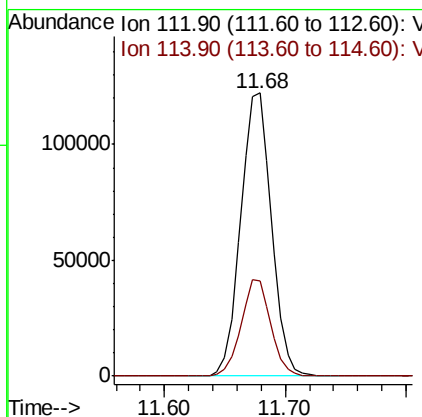
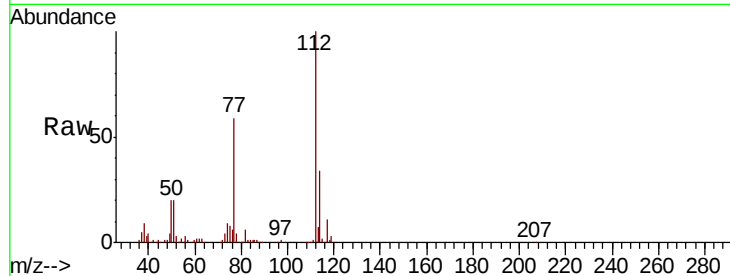




#65
Chlorobenzene
Concen: 21.715 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

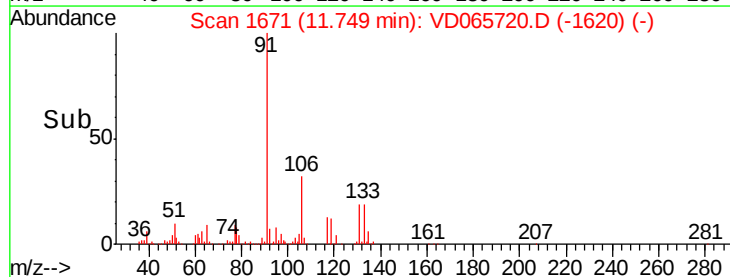
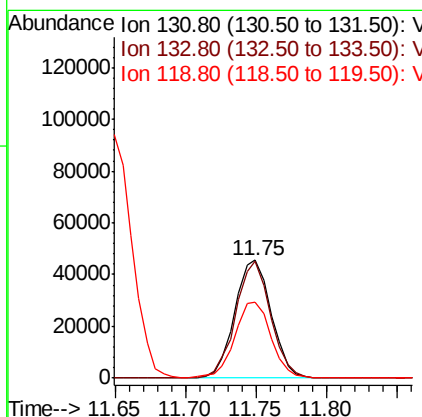
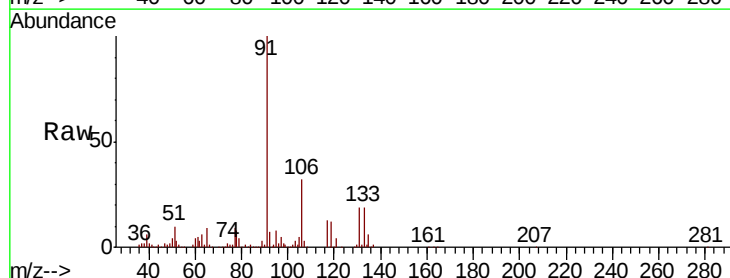
Instrument :
MSVOA_D
ClientSampled :

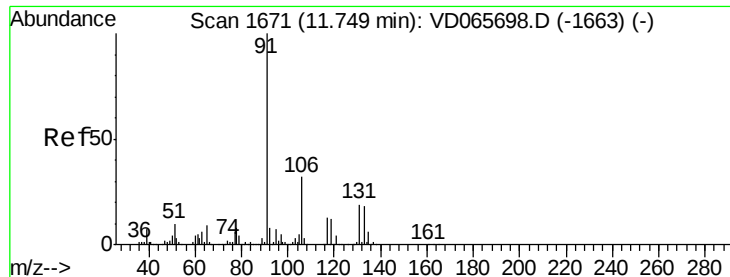
Tot Ion:112 Resp: 218010
Ion Ratio Lower Upper
112 100
114 33.6 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.023 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

Tgt Ion:131 Resp: 82440
Ion Ratio Lower Upper
131 100
133 95.3 47.3 141.8
119 64.3 31.8 95.4





#67

Ethyl Benzene

Concen: 21.152 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

Instrument :

MSVOA_D

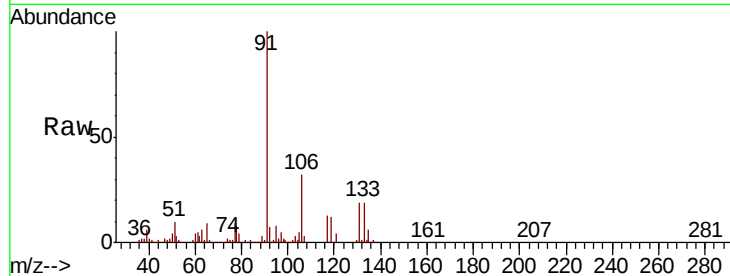
ClientSampleId :

Tot Ion: 91 Resp: 396178

Ion Ratio Lower Upper

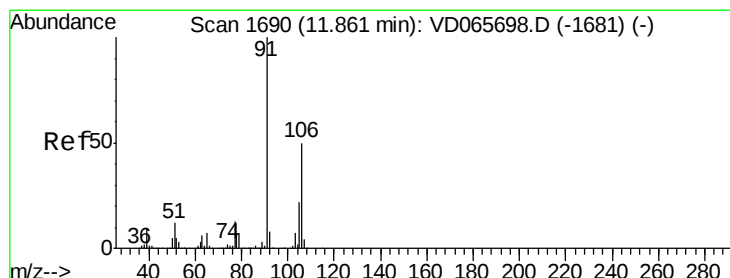
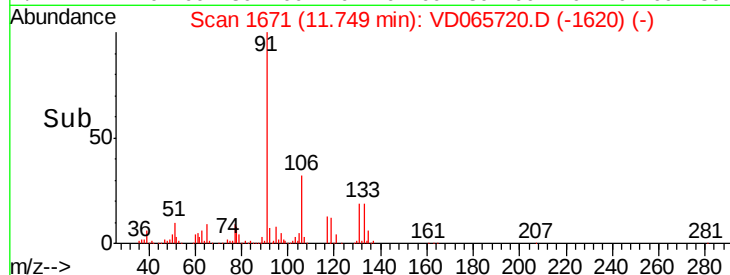
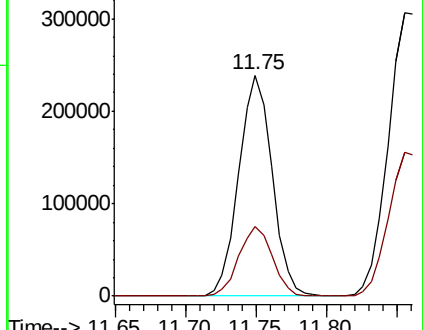
91 100

106 31.8 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 43.768 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065720.D

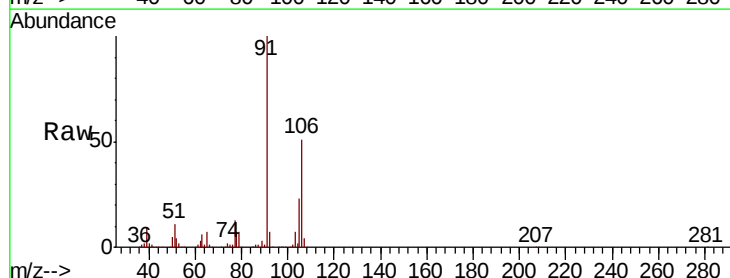
Acq: 08 May 2020 12:55

Tgt Ion: 106 Resp: 305604

Ion Ratio Lower Upper

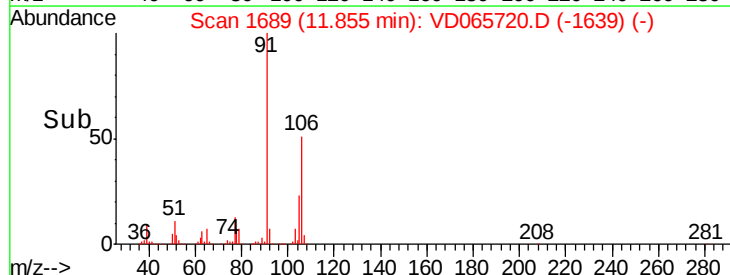
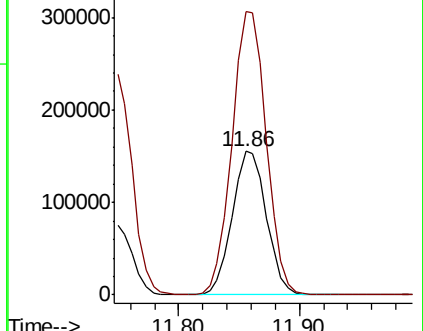
106 100

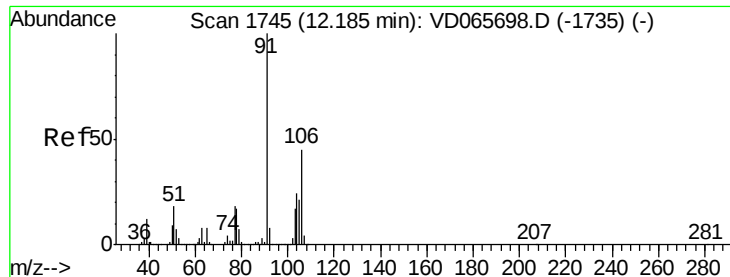
91 197.8 163.1 244.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

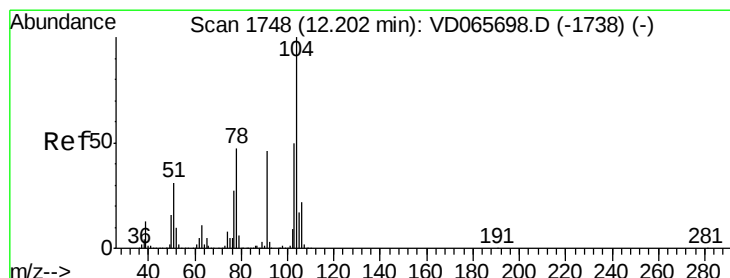
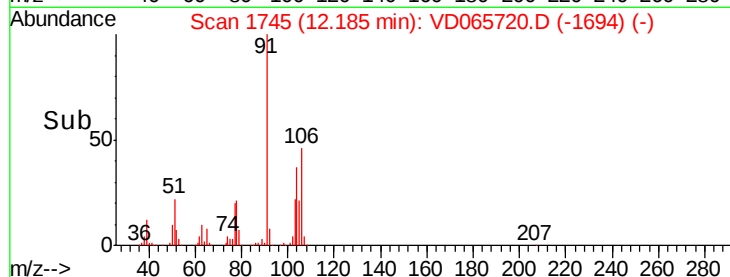
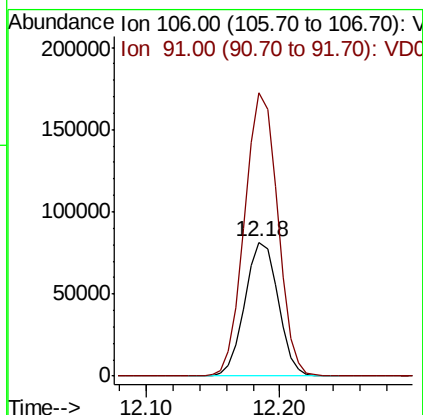
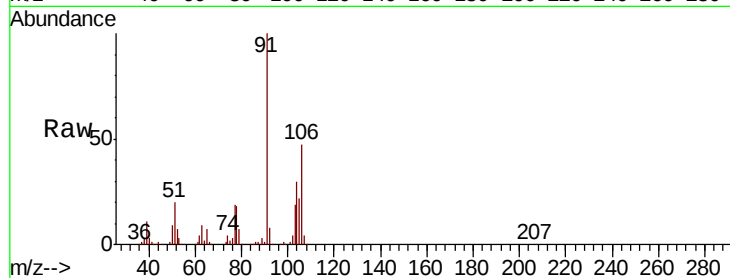




#69
o-Xylene
Concen: 21.511 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

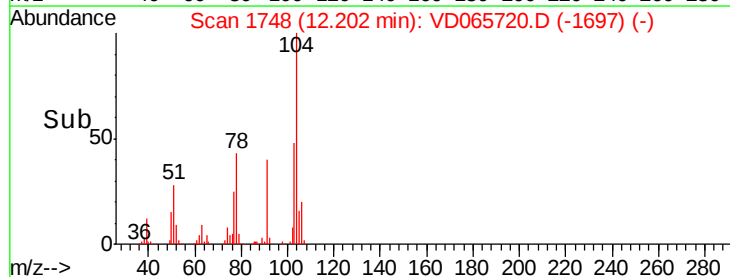
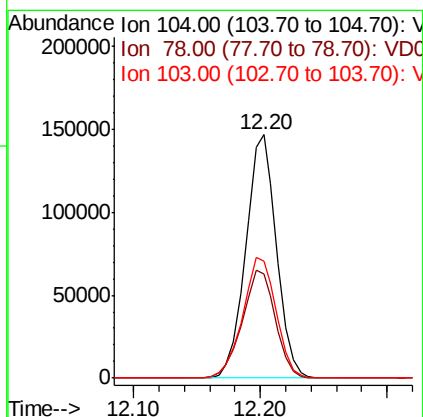
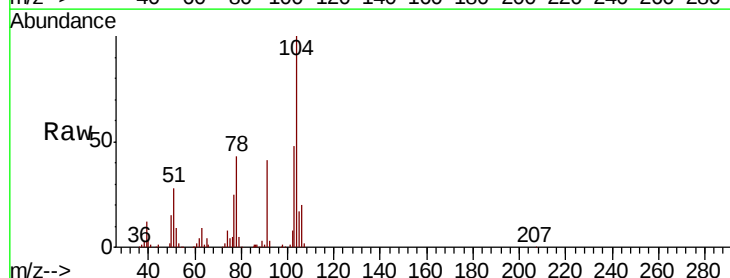
Instrument :
MSVOA_D
ClientSampleId :

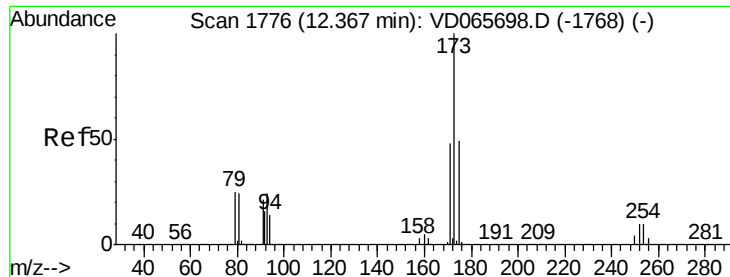
Tot Ion:106 Resp: 140153
Ion Ratio Lower Upper
106 100
91 211.0 107.9 323.7



#70
Styrene
Concen: 21.978 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

Tgt Ion:104 Resp: 246203
Ion Ratio Lower Upper
104 100
78 47.9 41.0 61.4
103 53.9 43.8 65.6





#71

Bromoform

Concen: 22.388 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

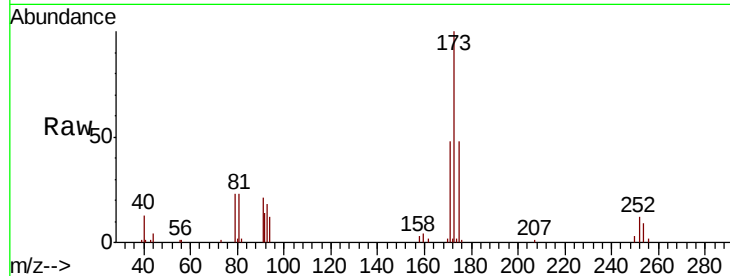
Tot Ion:173 Resp: 47155

Ion Ratio Lower Upper

173 100

175 51.3 24.5 73.5

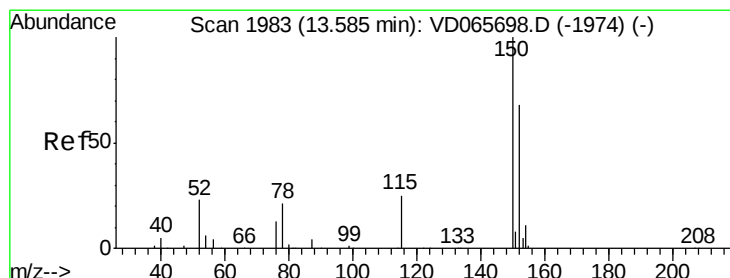
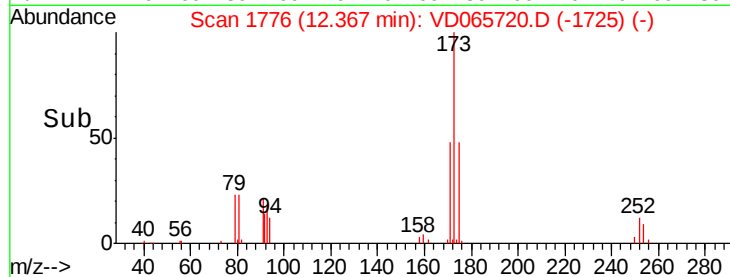
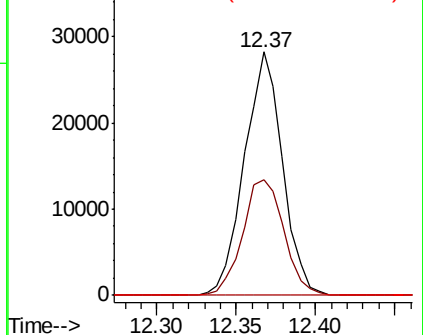
254 0.0 0.0 0.0



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: VD065720.D

Acq: 08 May 2020 12:55

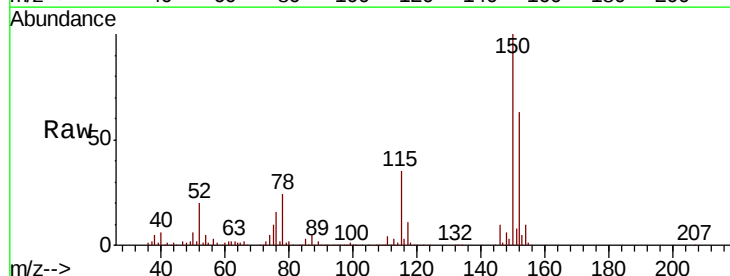
Tgt Ion:152 Resp: 245776

Ion Ratio Lower Upper

152 100

115 55.7 29.5 88.5

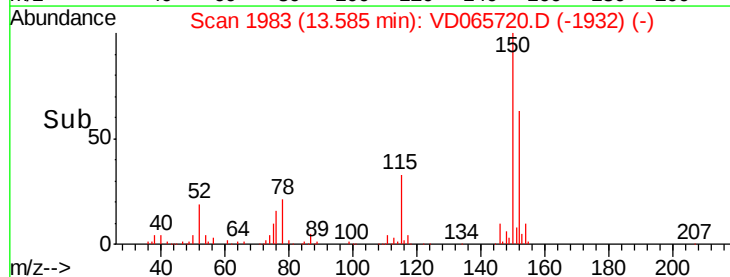
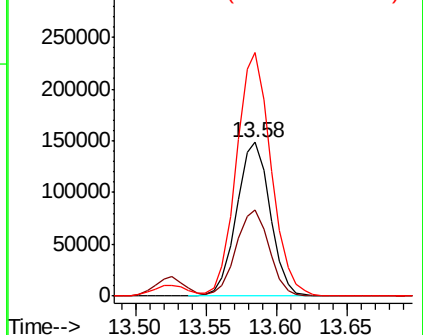
150 163.7 0.0 346.8

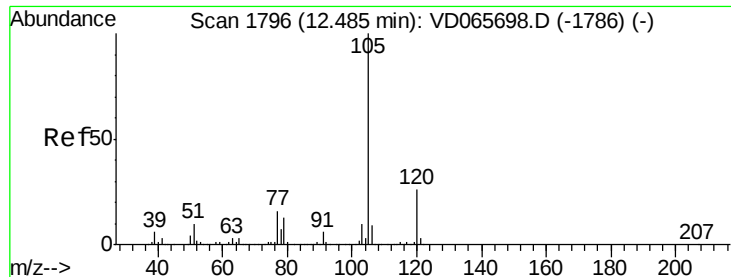


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.707 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

Instrument :

MSVOA_D

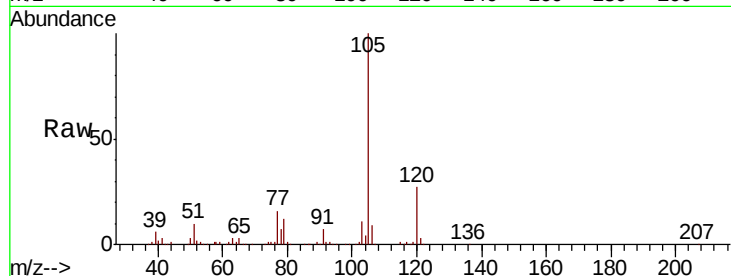
ClientSampled :

Tot Ion:105 Resp: 385603

Ion Ratio Lower Upper

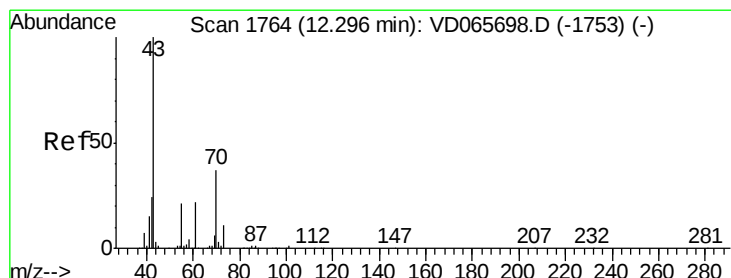
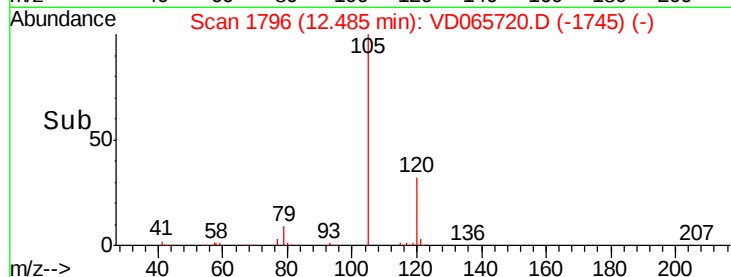
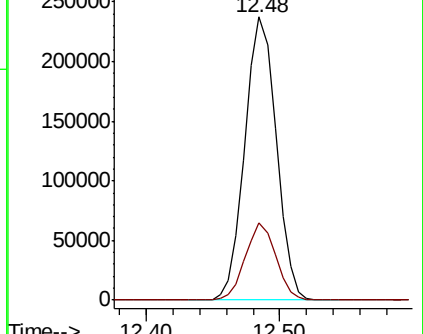
105 100

120 26.5 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.941 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

Tgt Ion: 43 Resp: 95376

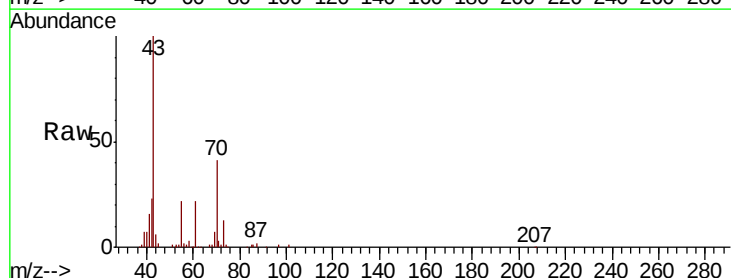
Ion Ratio Lower Upper

43 100

70 40.2 29.3 43.9

55 22.8 16.4 24.6

61 23.5 18.0 27.0

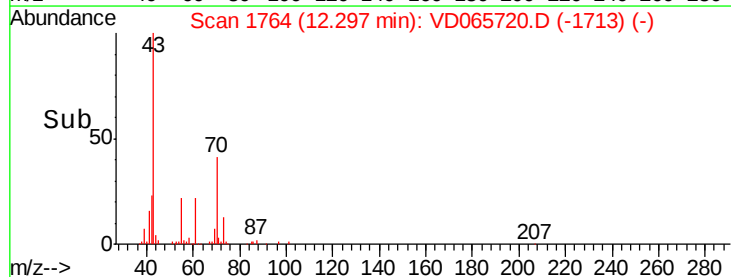
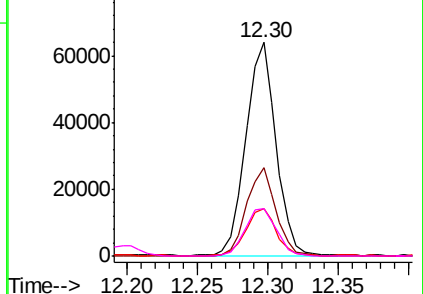


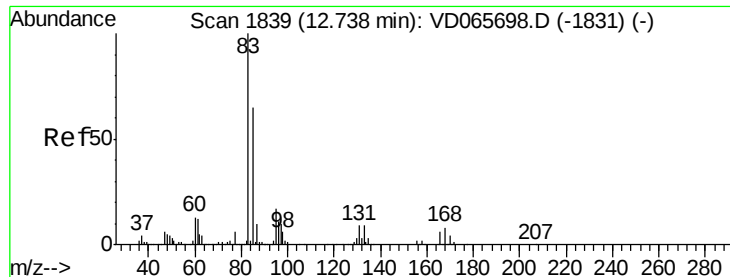
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.263 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

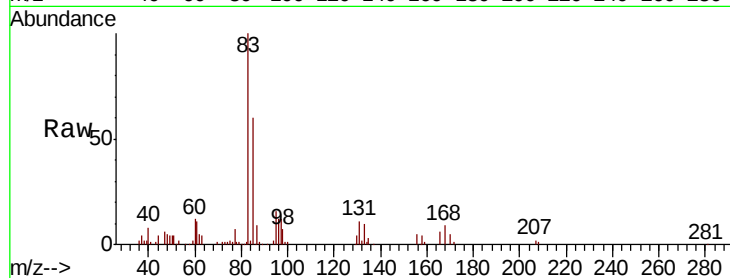
Tot Ion: 83 Resp: 63275

Ion Ratio Lower Upper

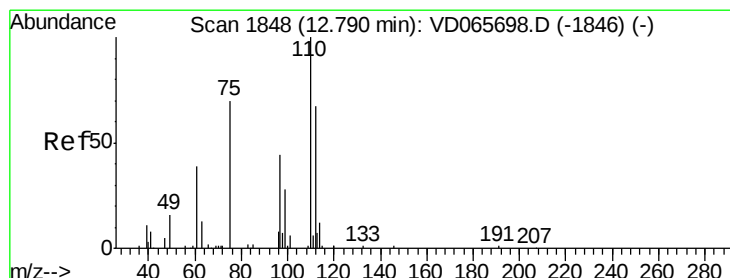
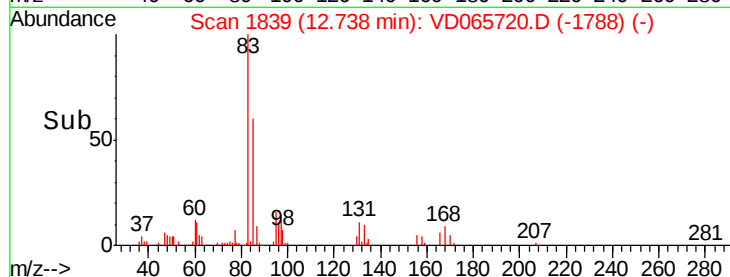
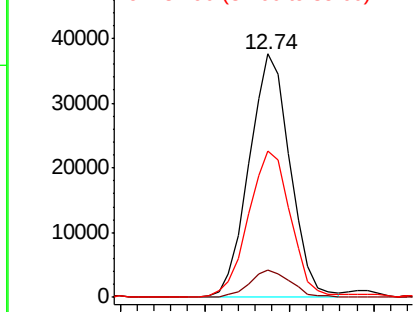
83 100

131 11.1 5.5 16.7

85 62.3 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 40.625 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065720.D

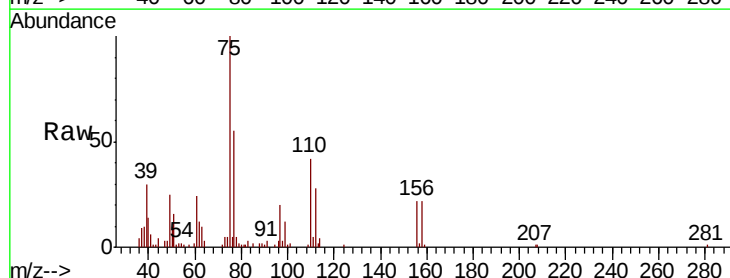
Acq: 08 May 2020 12:55

Tgt Ion: 75 Resp: 84329

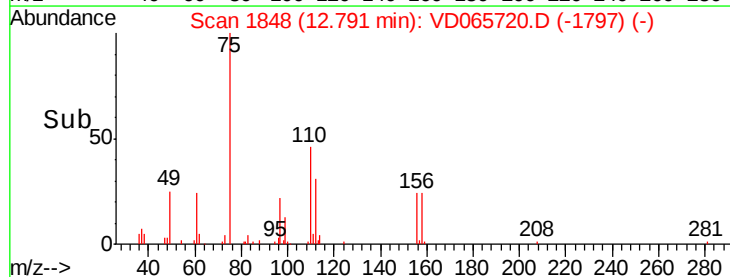
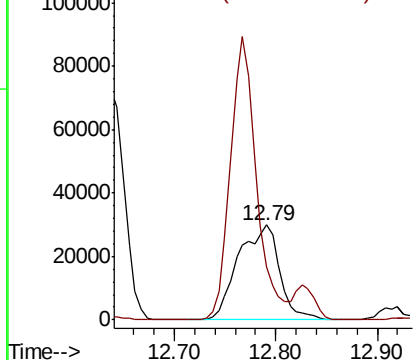
Ion Ratio Lower Upper

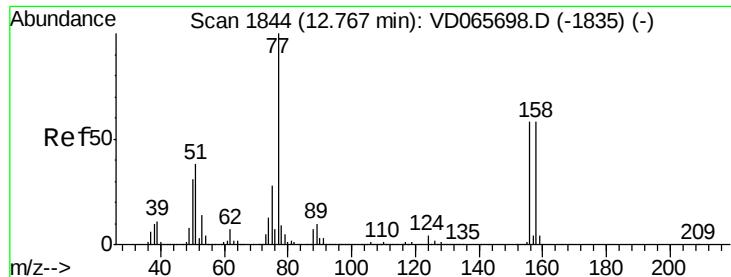
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.966 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

Instrument :

MSVOA_D

ClientSampled :

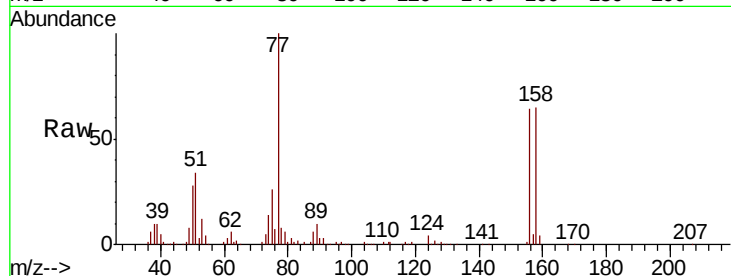
Tot Ion:156 Resp: 93801

Ion Ratio Lower Upper

156 100

77 170.0 92.9 278.7

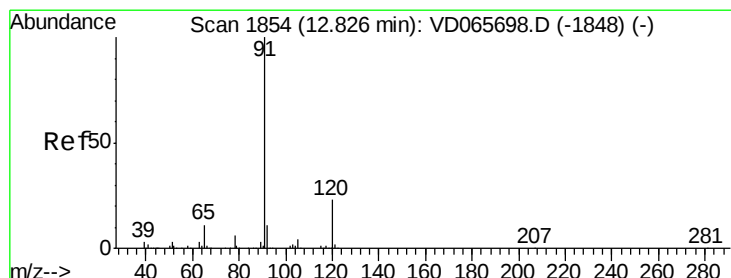
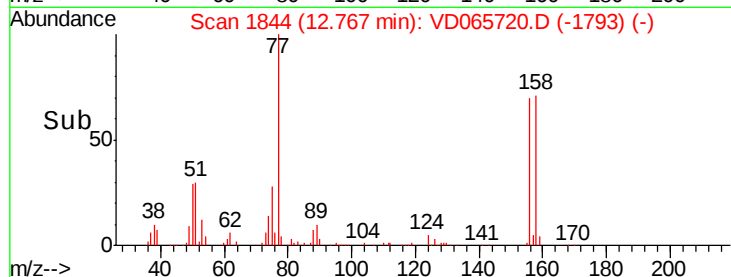
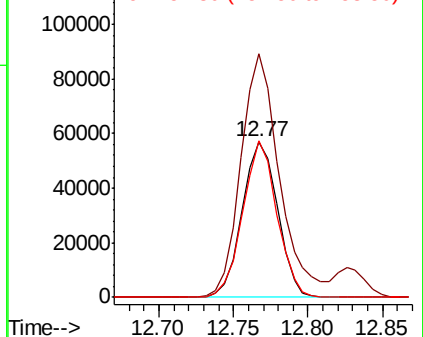
158 96.7 48.9 146.7



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: 20.697 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065720.D

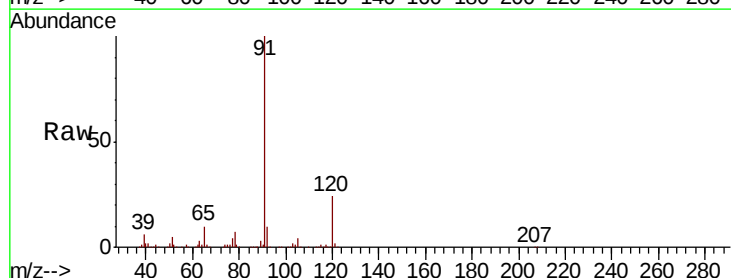
Acq: 08 May 2020 12:55

Tgt Ion: 91 Resp: 453829

Ion Ratio Lower Upper

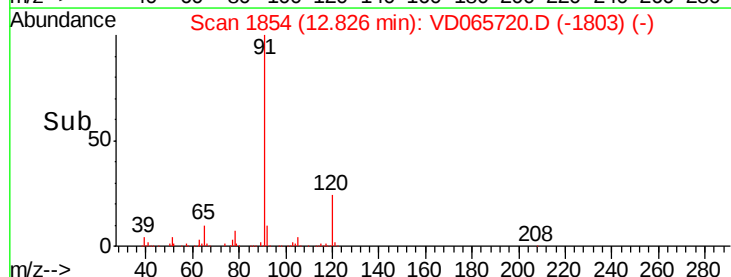
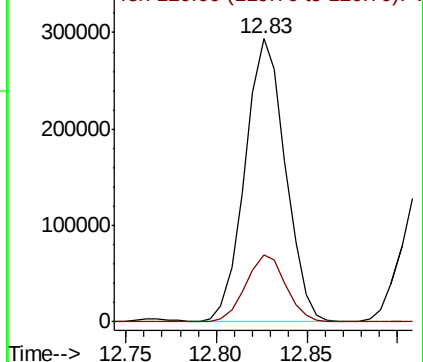
91 100

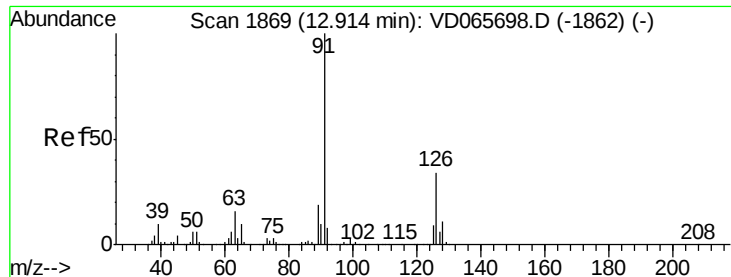
120 23.7 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

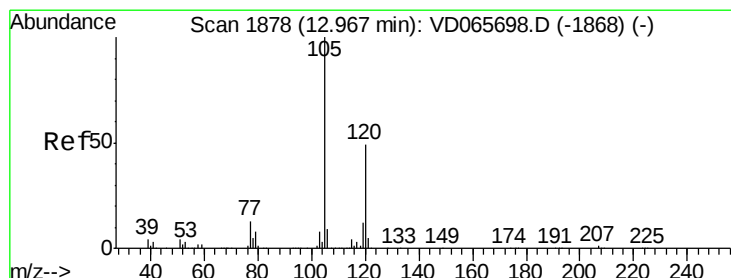
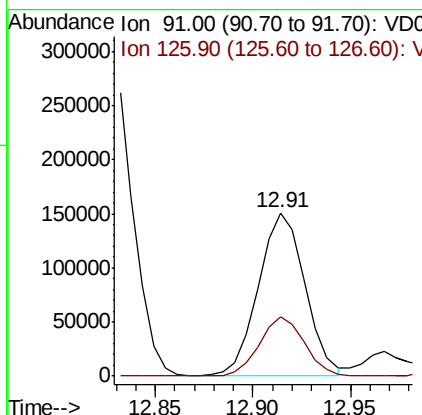
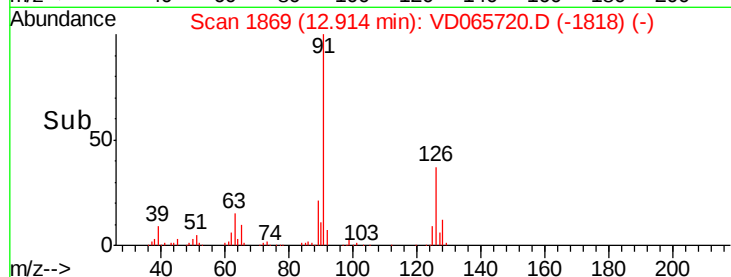
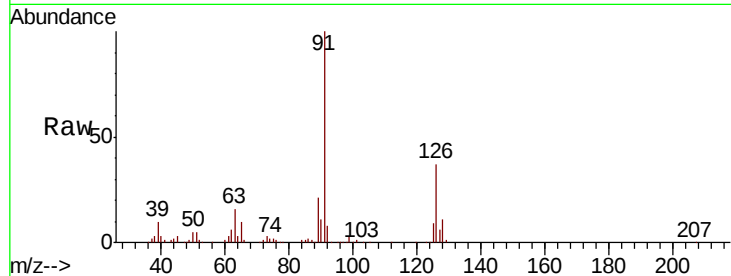




#79
2-Chlorotoluene
Concen: 20.109 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

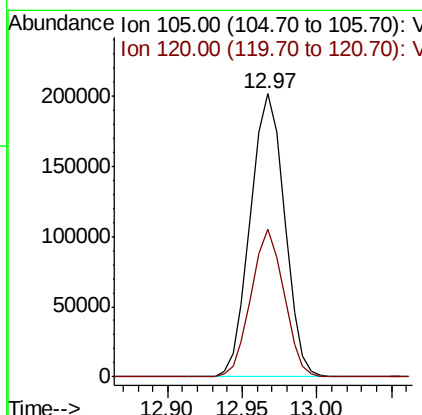
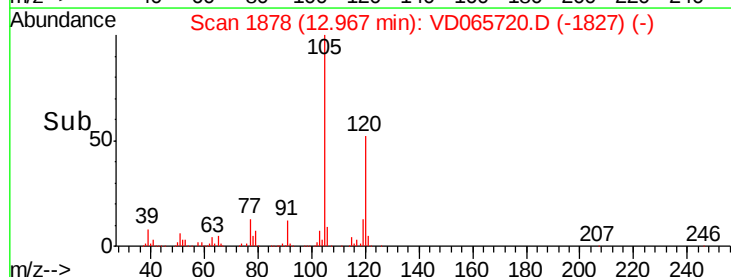
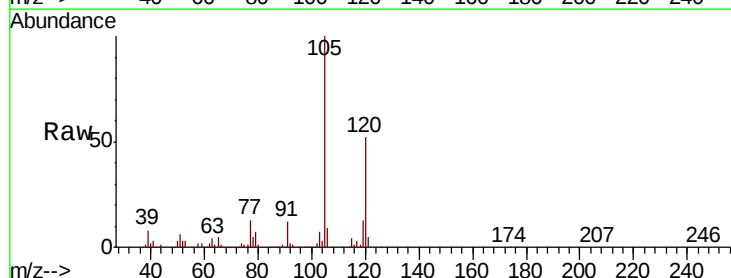
Instrument :
MSVOA_D
ClientSampled :

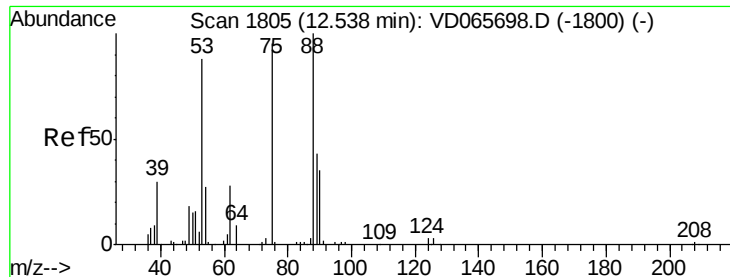
Tot Ion: 91 Resp: 249117
Ion Ratio Lower Upper
91 100
126 35.3 16.9 50.6



#80
1,3,5-Trimethylbenzene
Concen: 20.917 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

Tgt Ion:105 Resp: 319793
Ion Ratio Lower Upper
105 100
120 50.0 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.547 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

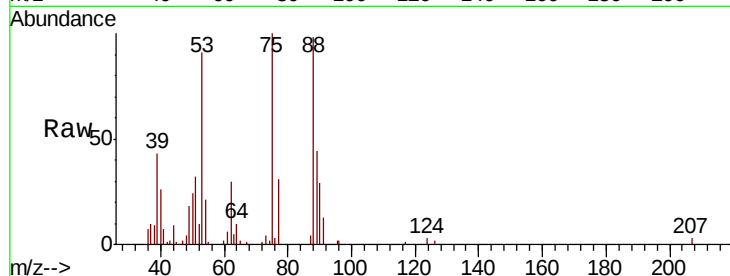
Tot Ion: 75 Resp: 22922

Ion Ratio Lower Upper

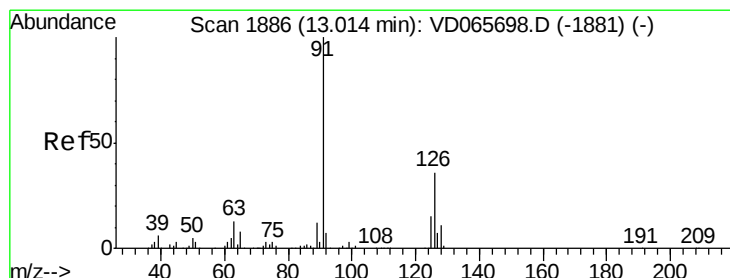
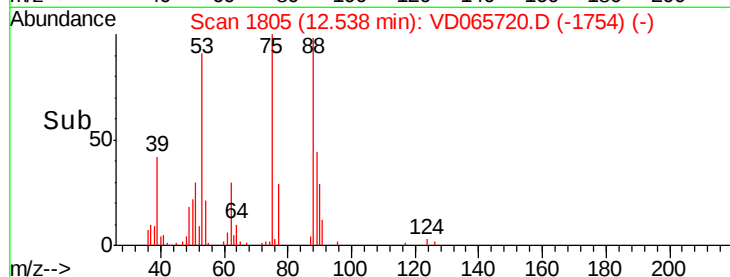
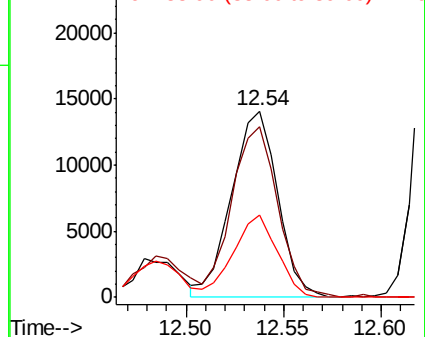
75 100

53 91.9 75.8 113.8

89 41.8 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: 20.398 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065720.D

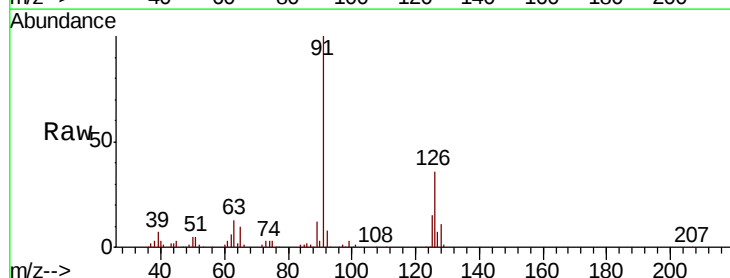
Acq: 08 May 2020 12:55

Tgt Ion: 91 Resp: 264438

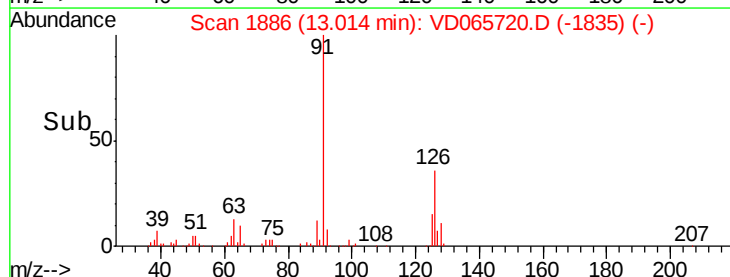
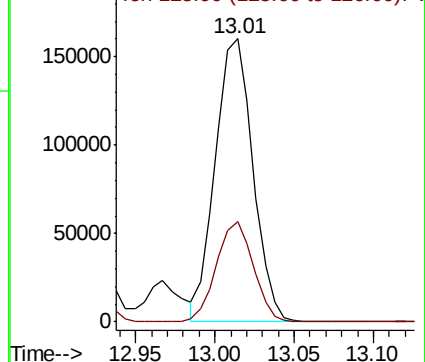
Ion Ratio Lower Upper

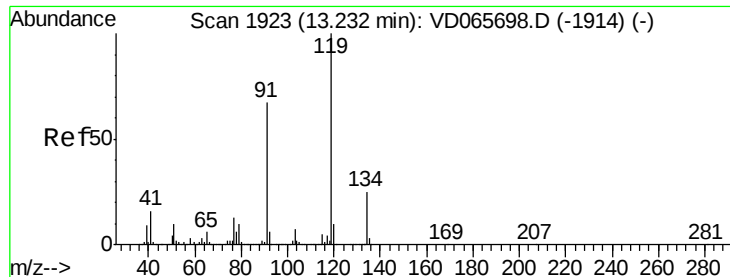
91 100

126 35.1 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: 21.084 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

Instrument :

MSVOA_D

ClientSampled :

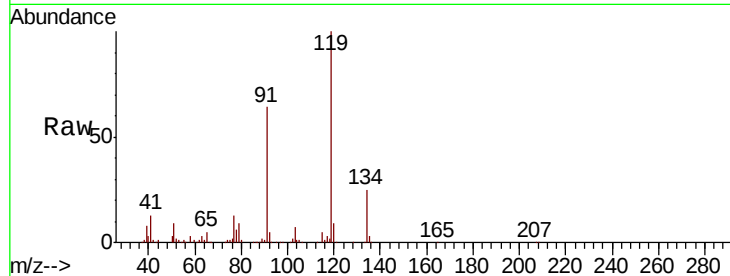
Tot Ion:119 Resp: 274378

Ion Ratio Lower Upper

119 100

91 65.7 33.6 100.8

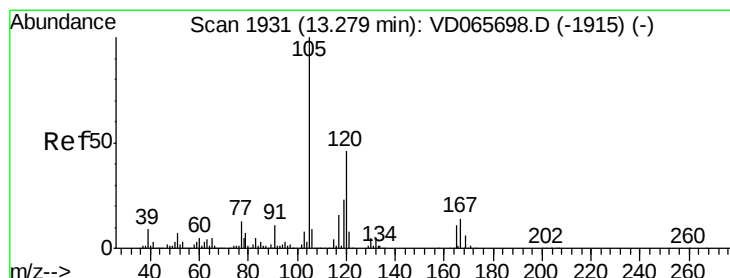
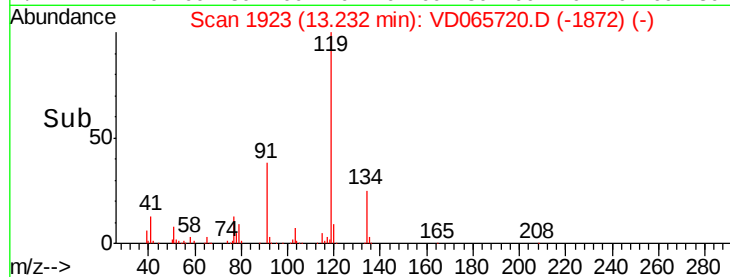
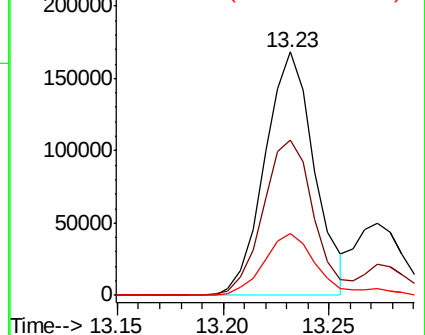
134 27.6 13.6 40.8



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: 20.551 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. 0.00 min

Lab File: VD065720.D

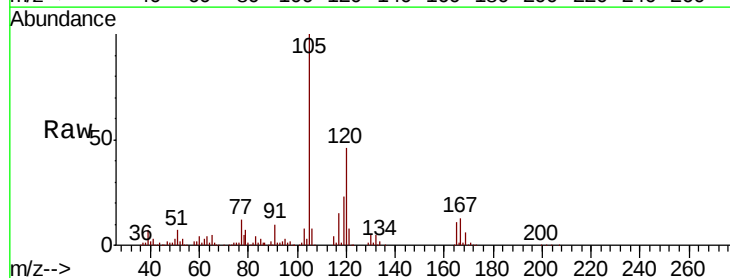
Acq: 08 May 2020 12:55

Tgt Ion:105 Resp: 312969

Ion Ratio Lower Upper

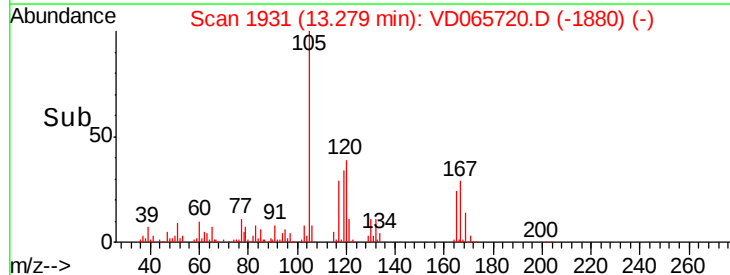
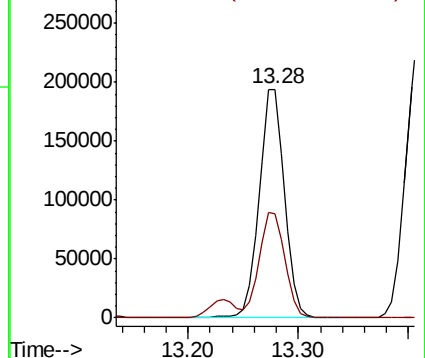
105 100

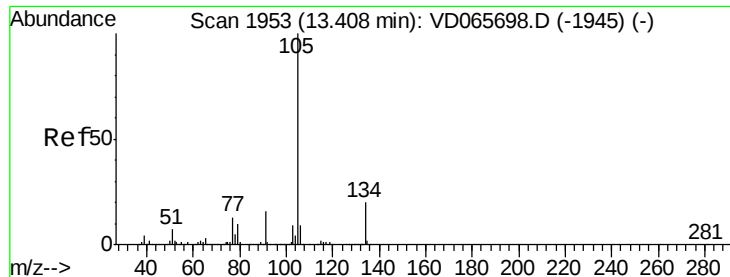
120 46.6 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.946 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

Instrument :

MSVOA_D

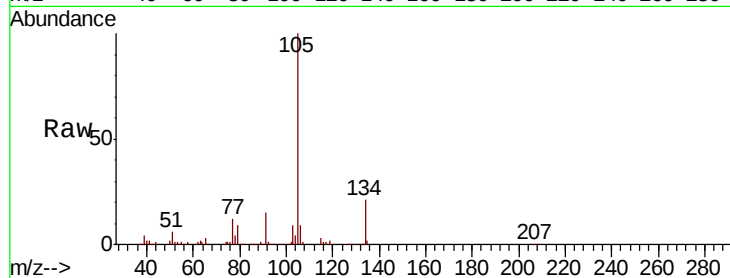
ClientSampleId :

Tot Ion:105 Resp: 382365

Ion Ratio Lower Upper

105 100

134 21.1 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

250000

200000

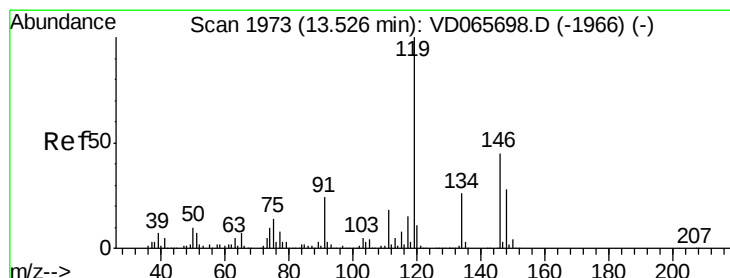
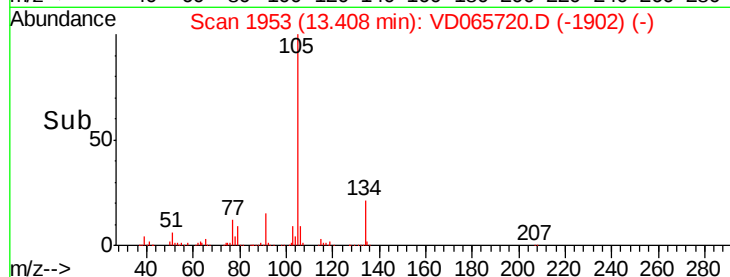
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.413 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

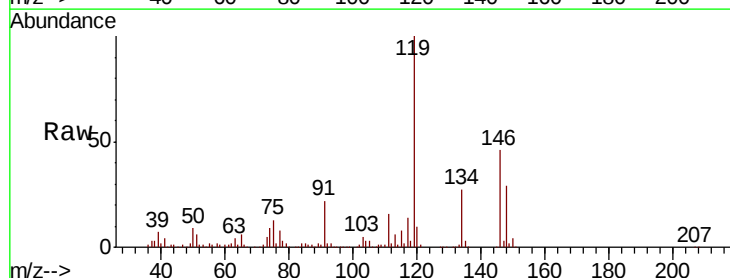
Tgt Ion:119 Resp: 356206

Ion Ratio Lower Upper

119 100

134 26.9 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

300000

250000

200000

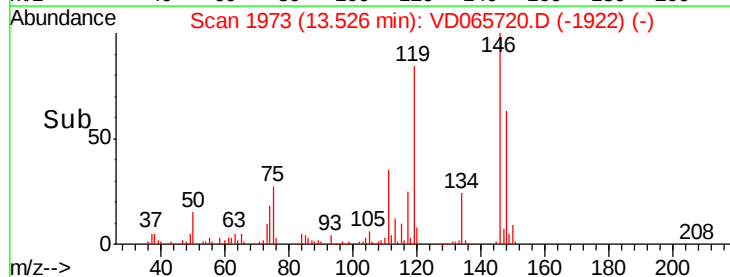
150000

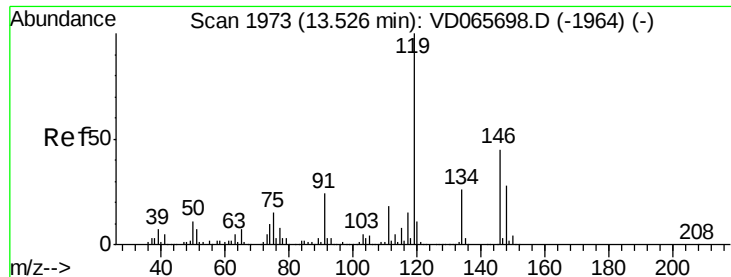
100000

50000

0

Time-->

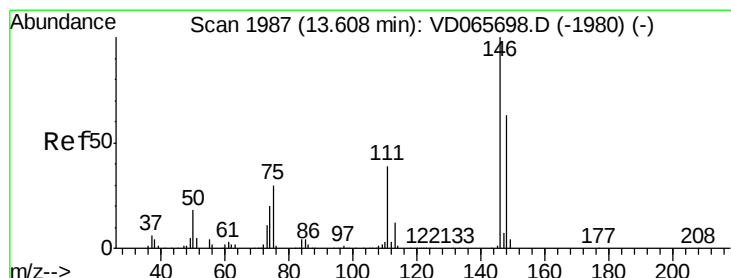
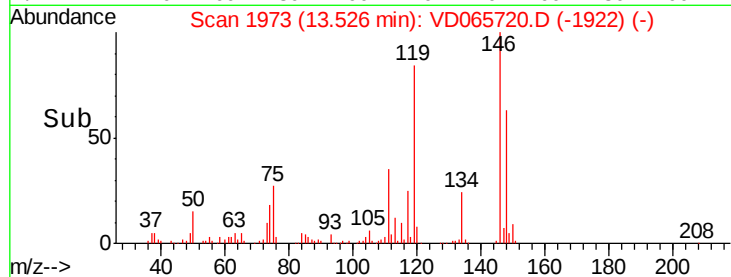
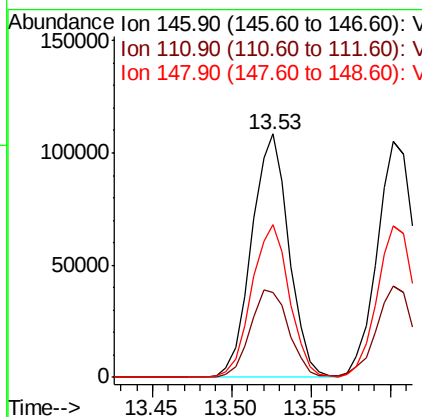
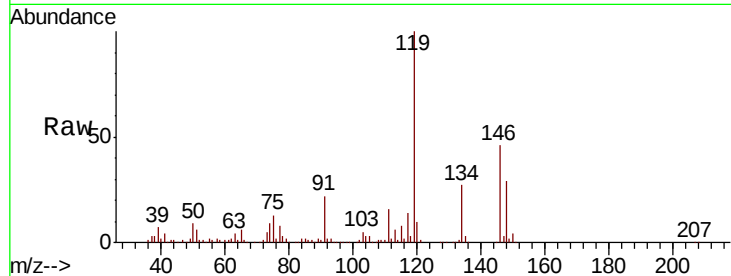




#87
 1,3-Dichlorobenzene
 Concen: 22.026 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065720.D
 Acq: 08 May 2020 12:55

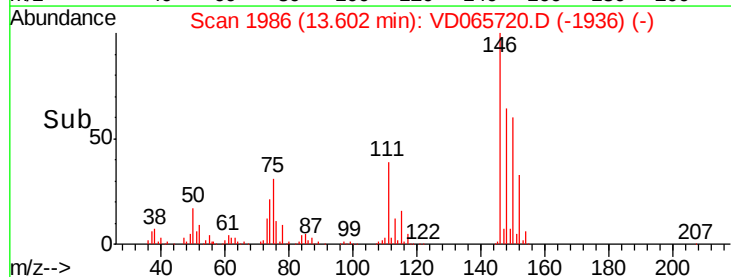
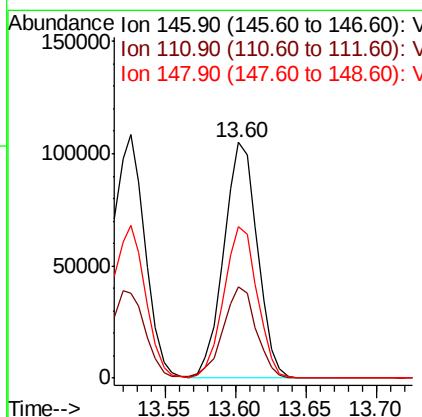
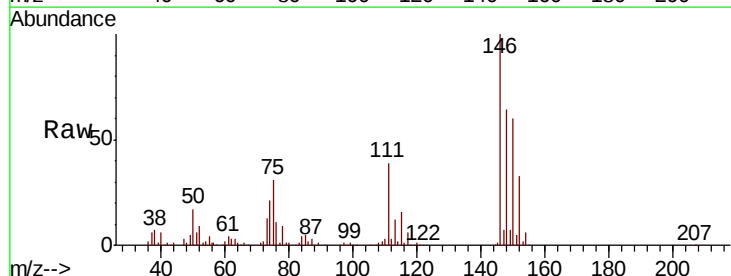
Instrument :
 MSVOA_D
 ClientSampled :

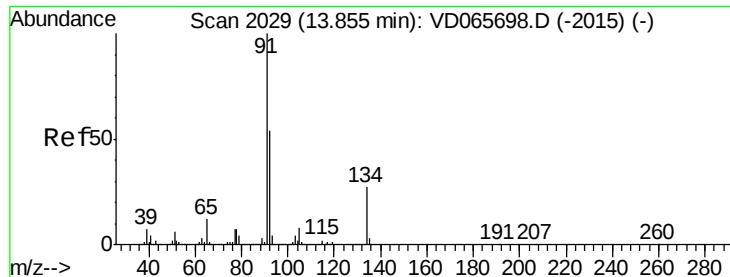
Tot Ion:146 Resp: 176778
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.6 58.8
 148 63.8 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 22.005 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065720.D
 Acq: 08 May 2020 12:55

Tgt Ion:146 Resp: 174248
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.6 58.7
 148 63.9 31.9 95.5





#89

n-Butylbenzene

Concen: 20.477 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. -0.01 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

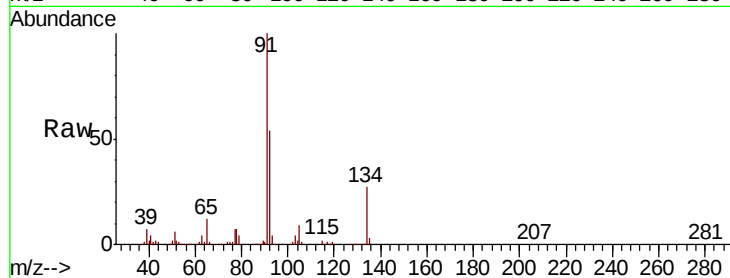
Tot Ion: 91 Resp: 330026

Ion Ratio Lower Upper

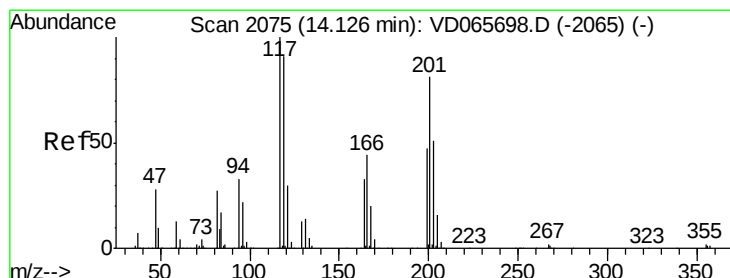
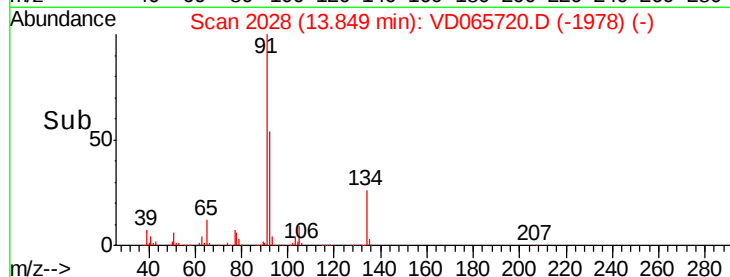
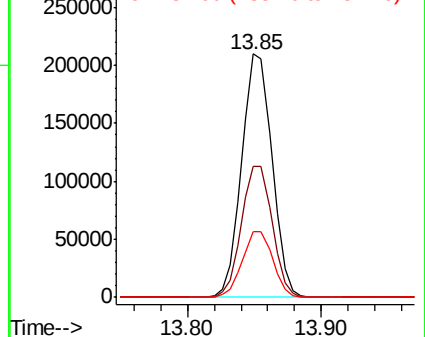
91 100

92 54.4 27.4 82.0

134 27.2 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: 20.744 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.01 min

Lab File: VD065720.D

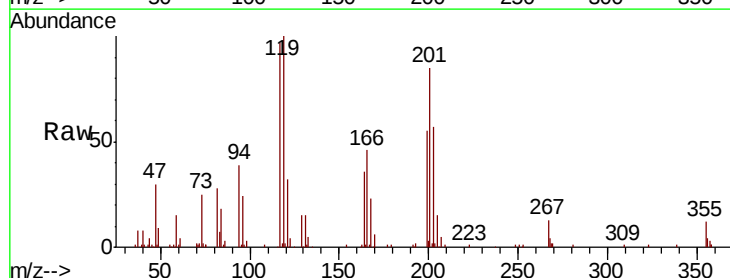
Acq: 08 May 2020 12:55

Tgt Ion: 117 Resp: 68730

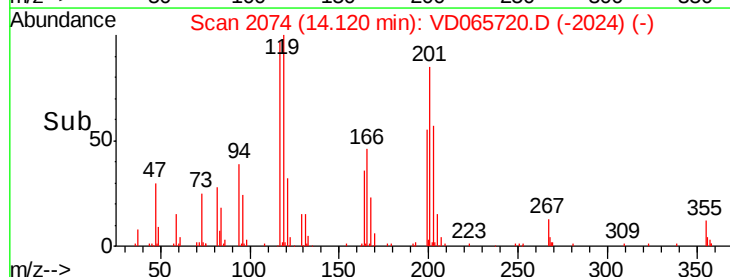
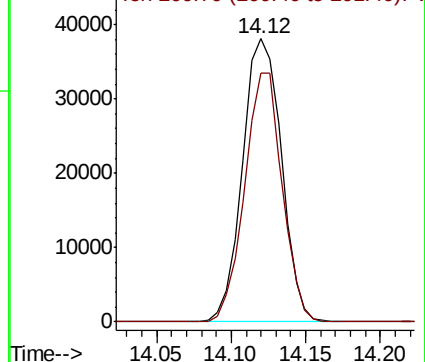
Ion Ratio Lower Upper

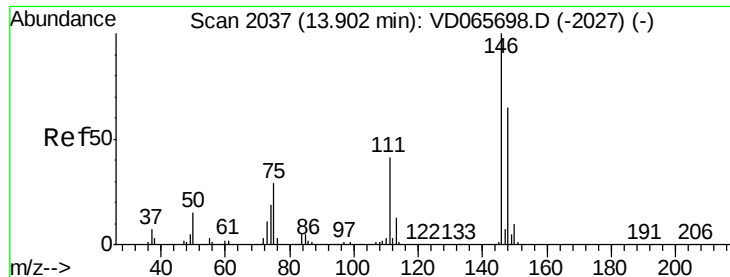
117 100

201 84.6 39.1 117.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 22.009 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

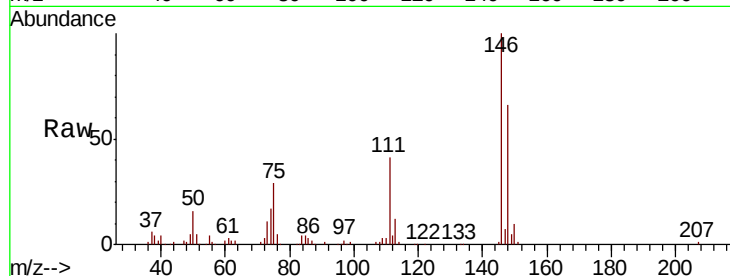
Tot Ion:146 Resp: 152428

Ion Ratio Lower Upper

146 100

111 39.6 20.3 61.0

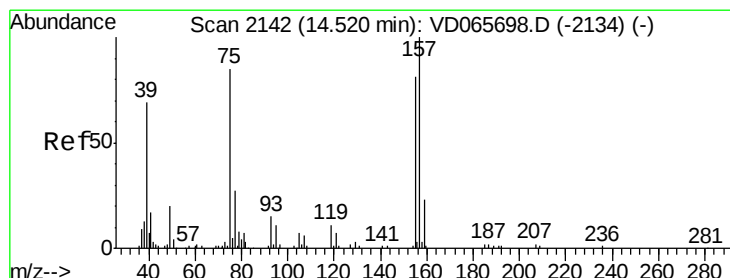
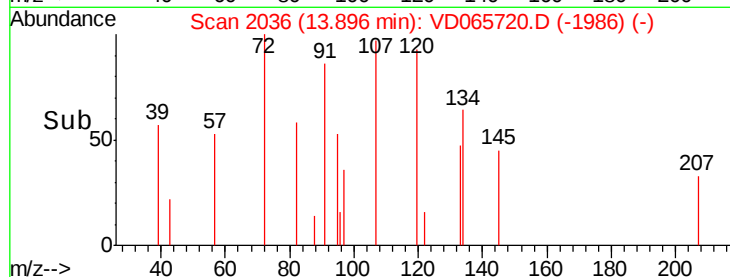
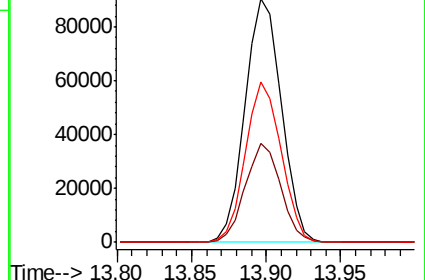
148 64.9 31.9 95.9



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: 19.414 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD065720.D

Acq: 08 May 2020 12:55

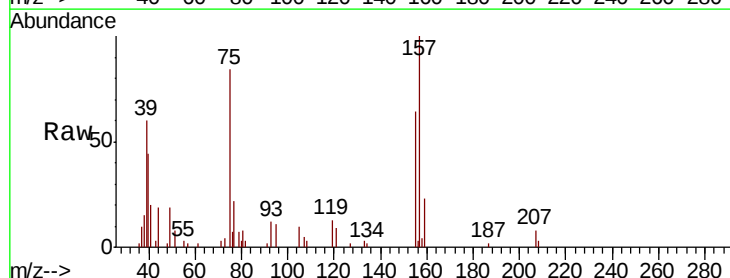
Tgt Ion: 75 Resp: 10190

Ion Ratio Lower Upper

75 100

155 96.7 43.5 130.5

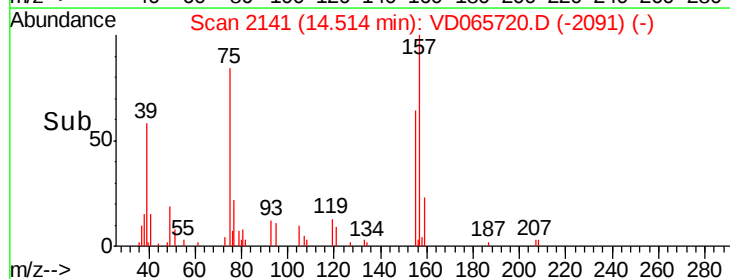
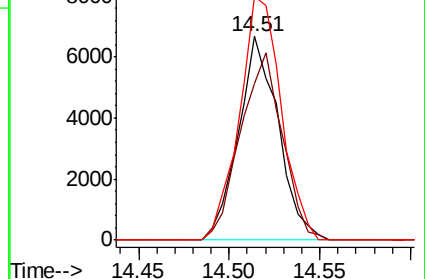
157 125.4 54.5 163.6

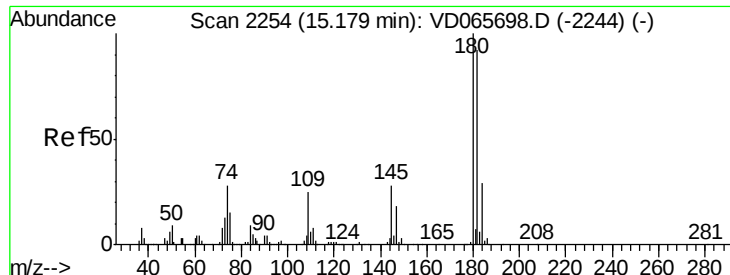


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

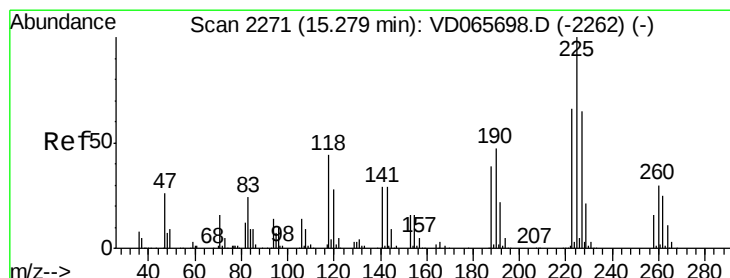
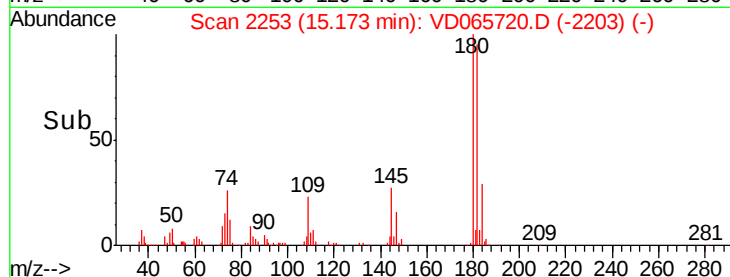
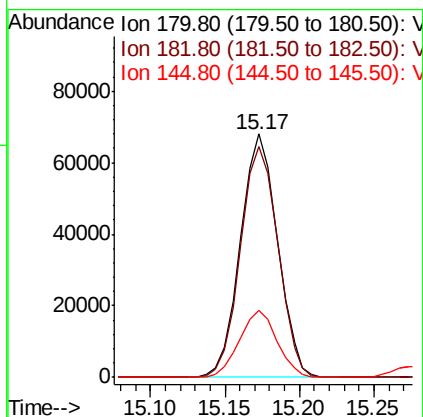
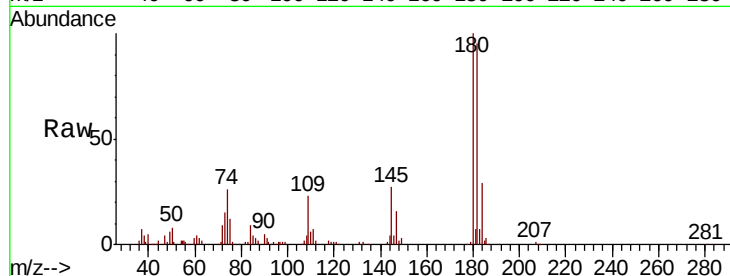




#93
 1,2,4-Trichlorobenzene
 Concen: 22.586 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065720.D
 Acq: 08 May 2020 12:55

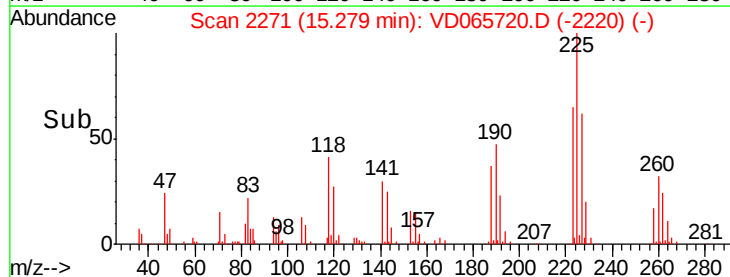
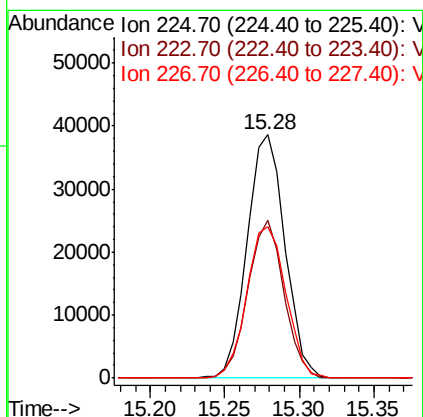
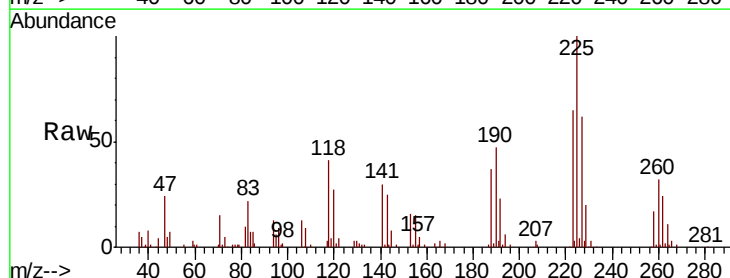
Instrument :
 MSVOA_D
 ClientSampleId :

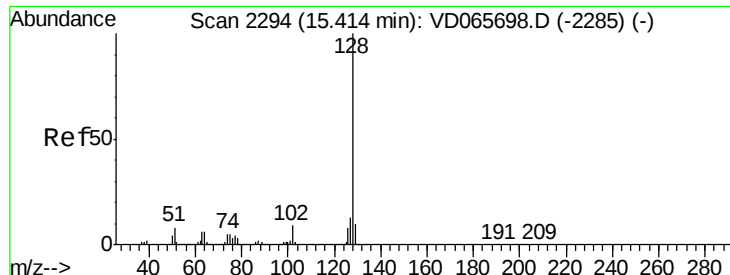
Tot Ion:180 Resp: 117362
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.0 141.0
 145 27.7 14.8 44.3



#94
 Hexachlorobutadiene
 Concen: 22.411 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065720.D
 Acq: 08 May 2020 12:55

Tgt Ion:225 Resp: 67488
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.8 95.3
 227 64.3 31.6 94.8

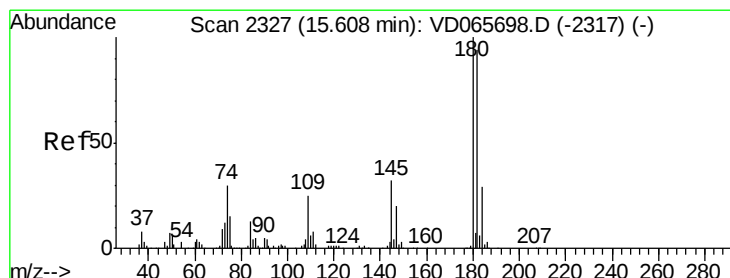
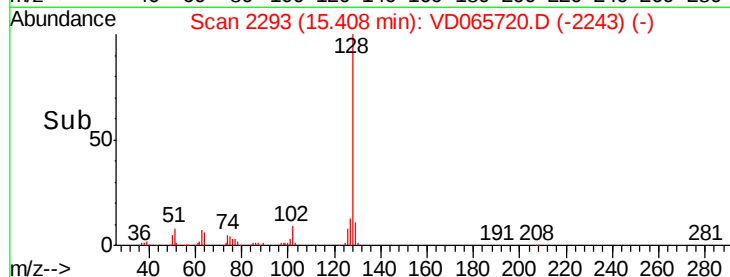
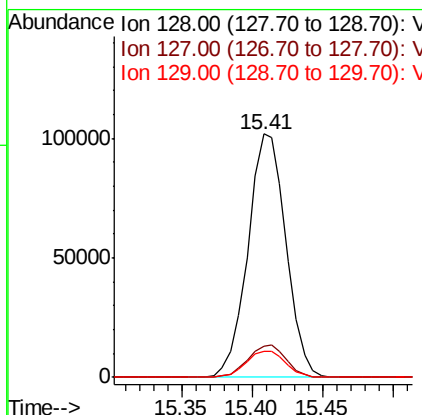
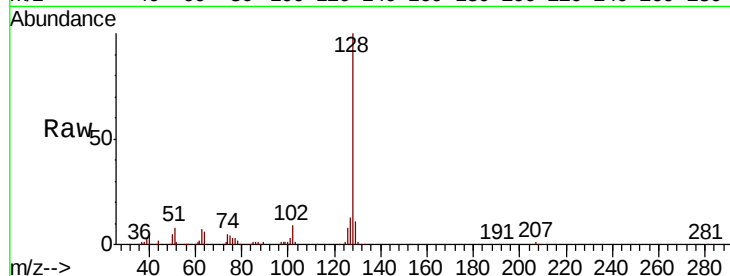




#95
Naphthalene
Concen: 21.051 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.3	9.0	13.4



#96
1,2,3-Trichlorobenzene
Concen: 22.207 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD065720.D
Acq: 08 May 2020 12:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	46.9	140.6
145	32.0	16.0	47.9

