

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042220\
 Data File : VD065663.D
 Acq On : 22 Apr 2020 13:42
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 23 03:32:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042220S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 03:30:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	165563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	245568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	308673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	157230	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	8647	6.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.36%	
35) Dibromofluoromethane	7.91	113	7627	4.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.96%	
50) Toluene-d8	10.34	98	35641	6.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.58%	
62) 4-Bromofluorobenzene	12.64	95	11830	6.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.68%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	8026	6.018	ug/l	98
3) Chloromethane	2.21	50	9934	6.805	ug/l	93
4) Vinyl Chloride	2.35	62	11443	7.191	ug/l	92
5) Bromomethane	2.77	94	7699	8.775	ug/l	93
6) Chloroethane	2.92	64	7239	7.625	ug/l	96
7) Trichlorofluoromethane	3.27	101	17052	7.487	ug/l	96
8) Diethyl Ether	3.71	74	3561	7.685	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	8232	7.901	ug/l	97
10) Methyl Iodide	4.29	142	6754	4.802	ug/l #	92
11) Tert butyl alcohol	5.24	59	2109	27.379	ug/l #	74
12) 1,1-Dichloroethene	4.05	96	6974	7.444	ug/l	91
13) Acrolein	3.93	56	2385	39.468	ug/l	97
14) Allyl chloride	4.71	41	10208	5.864	ug/l	97
15) Acrylonitrile	5.43	53	6917	23.376	ug/l	97
16) Acetone	4.16	43	7514	37.864	ug/l	91
17) Carbon Disulfide	4.40	76	23058	6.326	ug/l	99
18) Methyl Acetate	4.73	43	4399	6.759	ug/l #	84
19) Methyl tert-butyl Ether	5.49	73	12459	4.540	ug/l	96
20) Methylene Chloride	4.96	84	10555	6.756	ug/l	86
21) trans-1,2-Dichloroethene	5.47	96	7757	4.902	ug/l	94
22) Diisopropyl ether	6.36	45	18099	4.270	ug/l	90
23) Vinyl Acetate	6.31	43	49566	21.942	ug/l	100
24) 1,1-Dichloroethane	6.27	63	14559	5.389	ug/l	98
25) 2-Butanone	7.22	43	9095	25.134	ug/l	95
26) 2,2-Dichloropropane	7.21	77	14005	5.953	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	8243	5.004	ug/l	93
28) Bromochloromethane	7.55	49	6093	5.524	ug/l	98
29) Tetrahydrofuran	7.57	42	5011	21.841	ug/l	93
30) Chloroform	7.71	83	16109	5.853	ug/l	89
31) Cyclohexane	7.99	56	15109	5.870	ug/l #	84
32) 1,1,1-Trichloroethane	7.90	97	14696	5.910	ug/l	99
36) 1,1-Dichloropropene	8.11	75	11165	4.805	ug/l	97
37) Ethyl Acetate	7.30	43	4041	4.422	ug/l #	72
38) Carbon Tetrachloride	8.10	117	13923	5.617	ug/l	96

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Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 23 03:32:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042220S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 03:30:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	11880	4.429	ug/l	95
40) Benzene	8.35	78	32106	4.827	ug/l	95
41) Methacrylonitrile	7.57	41	5665	11.757	ug/l #	40
42) 1,2-Dichloroethane	8.43	62	10290	5.668	ug/l	97
43) Isopropyl Acetate	8.46	43	7848	4.748	ug/l #	84
44) Trichloroethene	9.11	130	9456	5.075	ug/l	99
45) 1,2-Dichloropropane	9.38	63	7890	4.853	ug/l #	86
46) Dibromomethane	9.47	93	4513	5.365	ug/l	96
47) Bromodichloromethane	9.67	83	14042	6.286	ug/l	92
48) Methyl methacrylate	9.46	41	4005	5.070	ug/l #	87
49) 1,4-Dioxane	9.48	88	824	88.799	ug/l #	76
51) 4-Methyl-2-Pentanone	10.23	43	25098	29.976	ug/l	96
52) Toluene	10.40	92	24625	5.999	ug/l	95
53) t-1,3-Dichloropropene	10.63	75	12318	6.076	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	14685	5.922	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	8107	6.887	ug/l	96
56) Ethyl methacrylate	10.67	69	6919	5.478	ug/l	98
57) 1,3-Dichloropropane	10.95	76	13012	6.491	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	16931	25.354	ug/l	97
59) 2-Hexanone	10.99	43	16522	29.084	ug/l	94
60) Dibromochloromethane	11.14	129	10492	6.710	ug/l	98
61) 1,2-Dibromoethane	11.25	107	7156	6.284	ug/l	99
64) Tetrachloroethene	10.88	164	11320	5.300	ug/l	96
65) Chlorobenzene	11.67	112	30491	5.144	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	11538	5.094	ug/l	100
67) Ethyl Benzene	11.75	91	45373	4.480	ug/l	92
68) m/p-Xylenes	11.86	106	34815	8.886	ug/l	98
69) o-Xylene	12.19	106	14190	4.158	ug/l	95
70) Styrene	12.20	104	25011	4.136	ug/l	98
71) Bromoform	12.37	173	6602	5.204	ug/l #	97
73) Isopropylbenzene	12.48	105	38786	4.231	ug/l	99
74) N-amyl acetate	12.30	43	8285	4.290	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	8708	5.248	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	10626	8.960	ug/l #	100
77) Bromobenzene	12.77	156	11729	4.835	ug/l	98
78) n-propylbenzene	12.83	91	46125	4.159	ug/l	98
79) 2-Chlorotoluene	12.91	91	27118	4.298	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	30555	3.946	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	2615	4.709	ug/l	97
82) 4-Chlorotoluene	13.01	91	29515	4.345	ug/l	100
83) tert-Butylbenzene	13.23	119	26856	4.141	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	31240	4.051	ug/l	100
85) sec-Butylbenzene	13.41	105	40367	4.346	ug/l	99
86) p-Isopropyltoluene	13.53	119	35452	4.063	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	23384	4.900	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	25806	5.441	ug/l	94
89) n-Butylbenzene	13.86	91	33490	4.235	ug/l	99
90) Hexachloroethane	14.13	117	9267	5.050	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	20214	4.953	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1358	5.396	ug/l	98

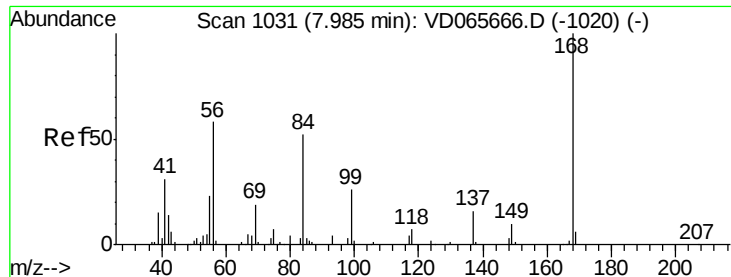
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042220\
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Quant Title : SW846 8260
QLast Update : Thu Apr 23 03:30:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	12889	4.606	ug/l	94
94) Hexachlorobutadiene	15.28	225	9716	5.039	ug/l	99
95) Naphthalene	15.41	128	17176	4.186	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	11307	4.596	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

Instrument :

MSVOA_D

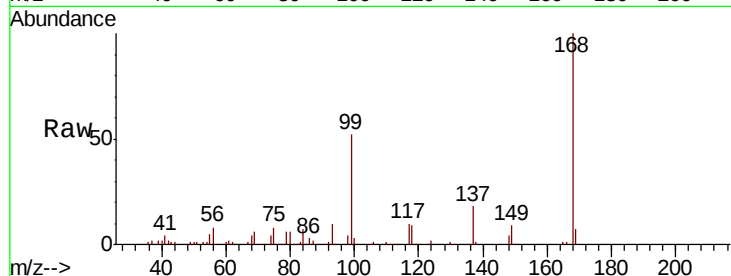
ClientSampleId :

Tot Ion:168 Resp: 165563

Ion Ratio Lower Upper

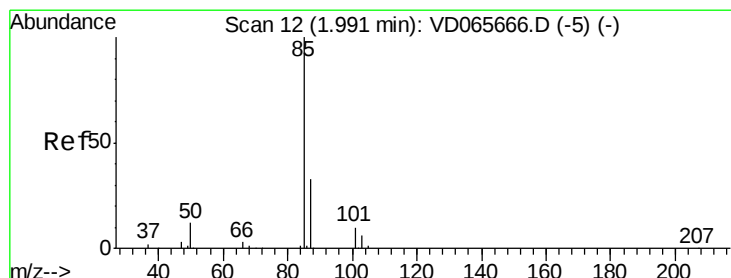
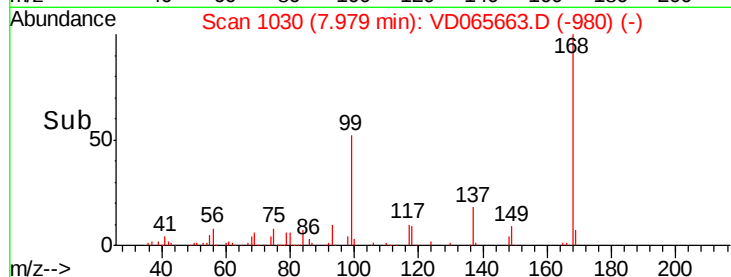
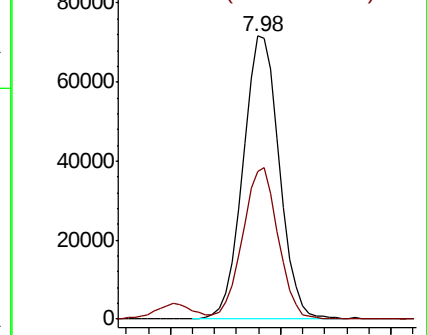
168 100

99 51.9 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 6.018 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065663.D

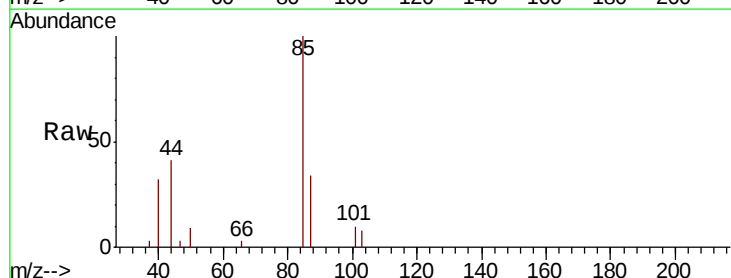
Acq: 22 Apr 2020 13:42

Tgt Ion: 85 Resp: 8026

Ion Ratio Lower Upper

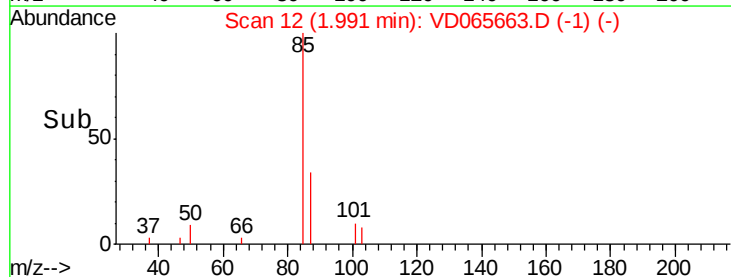
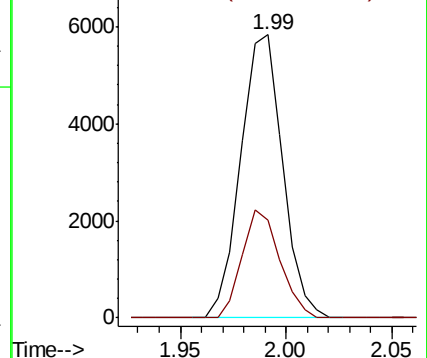
85 100

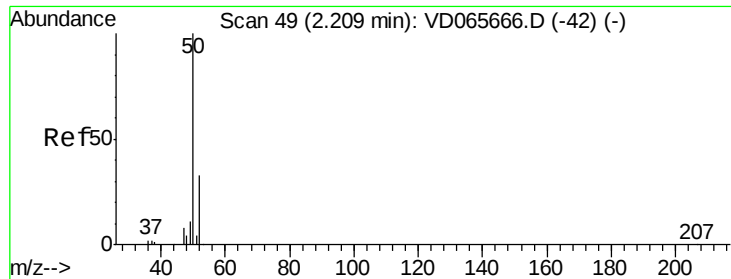
87 34.4 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 6.805 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

Instrument :

MSVOA_D

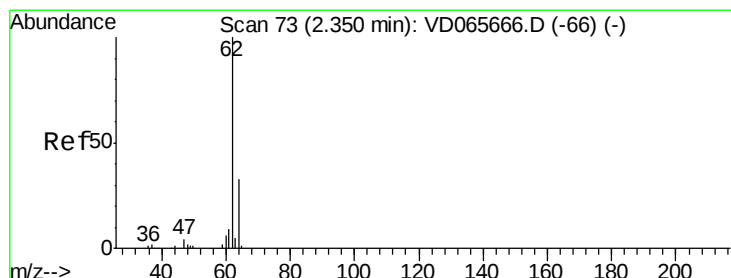
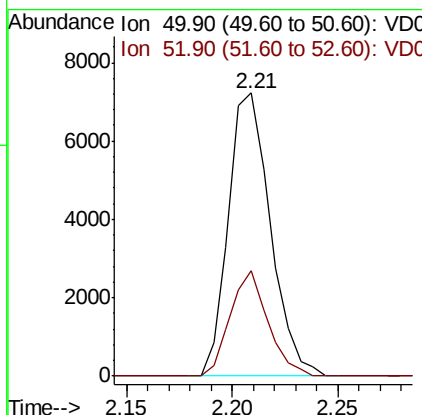
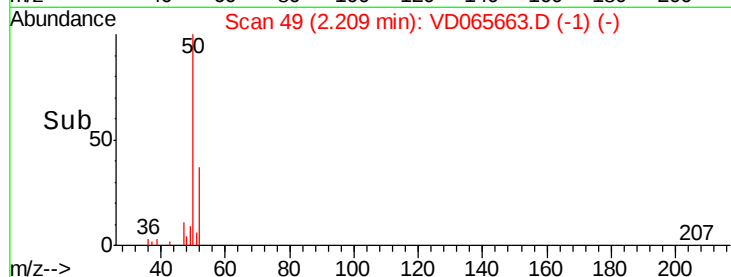
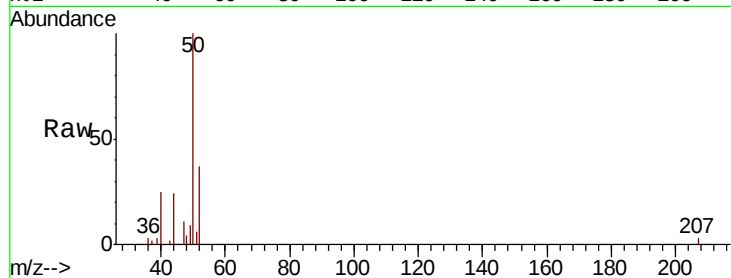
ClientSampleId :

Tot Ion: 50 Resp: 9934

Ion Ratio Lower Upper

50 100

52 37.2 26.6 39.8



#4

Vinyl Chloride

Concen: 7.191 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065663.D

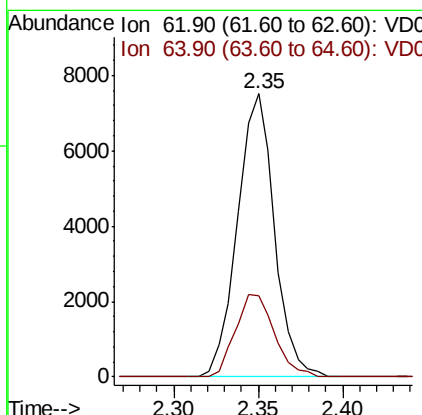
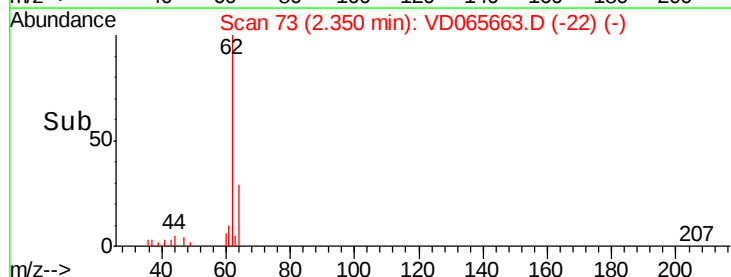
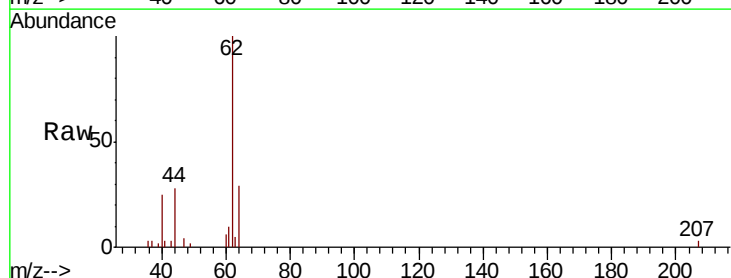
Acq: 22 Apr 2020 13:42

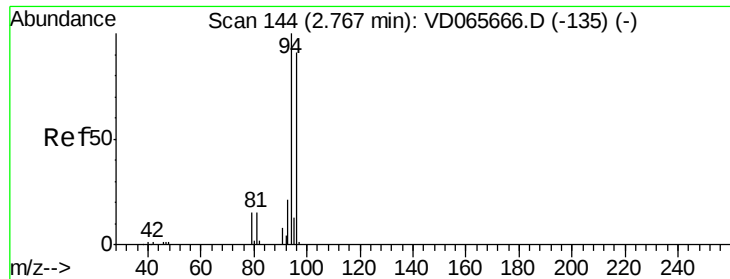
Tgt Ion: 62 Resp: 11443

Ion Ratio Lower Upper

62 100

64 28.7 26.4 39.6





#5

Bromomethane

Concen: 8.775 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

Instrument :

MSVOA_D

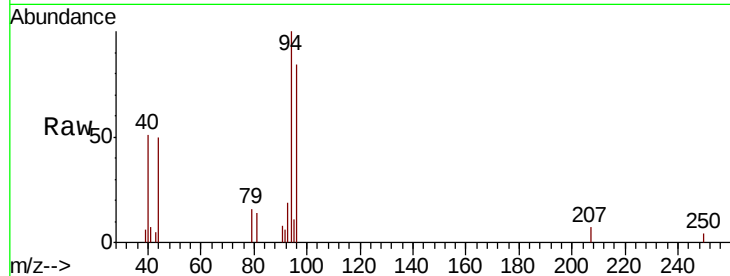
ClientSampleId :

Tot Ion: 94 Resp: 7699

Ion Ratio Lower Upper

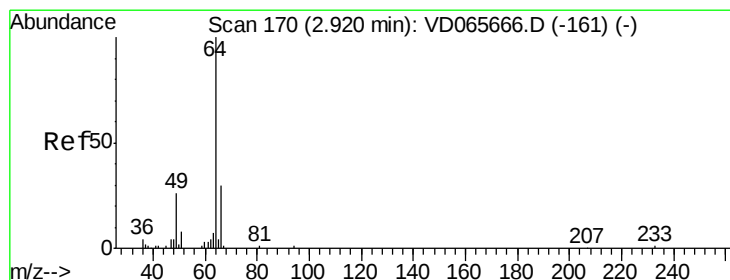
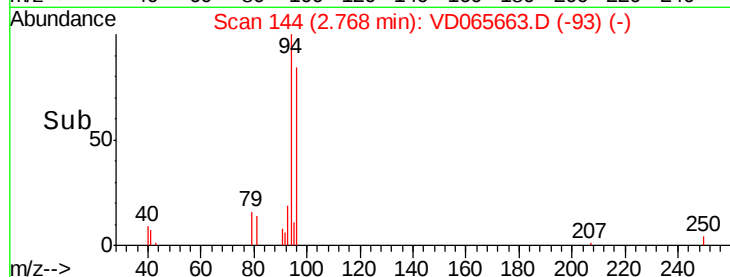
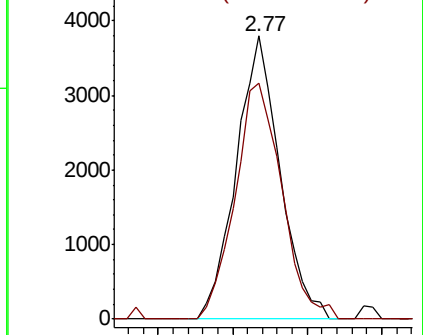
94 100

96 83.6 72.4 108.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 7.625 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065663.D

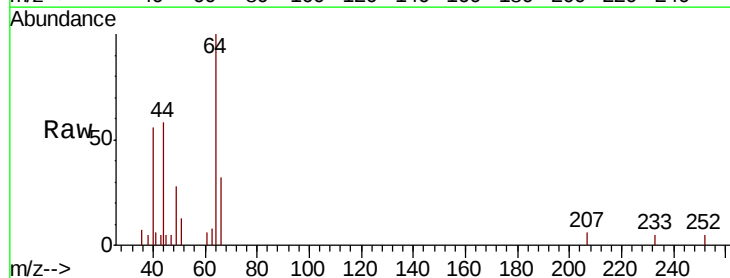
Acq: 22 Apr 2020 13:42

Tgt Ion: 64 Resp: 7239

Ion Ratio Lower Upper

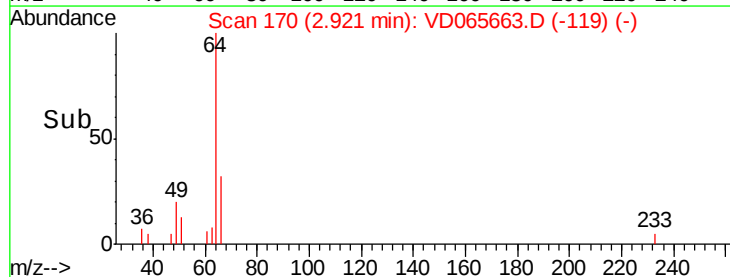
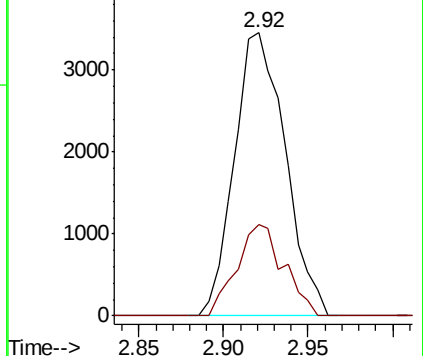
64 100

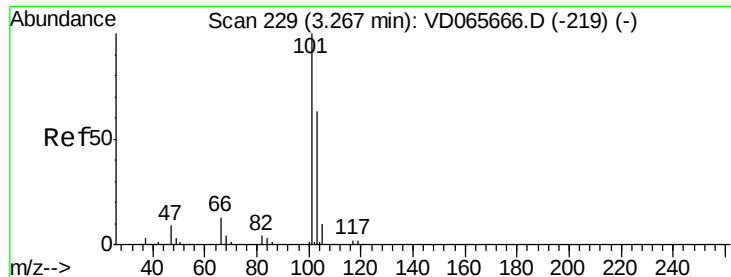
66 32.3 24.2 36.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



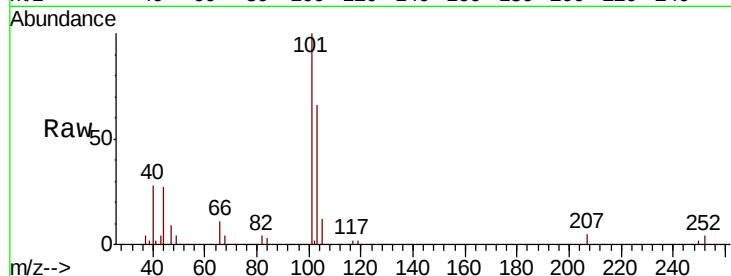


#7

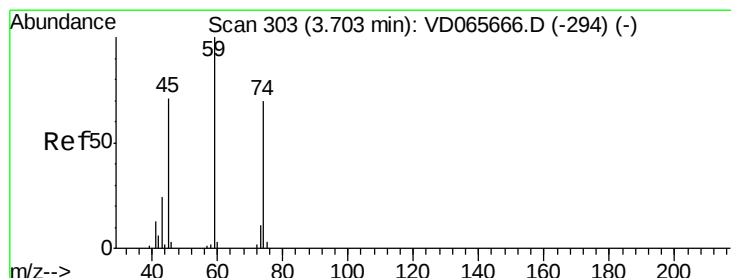
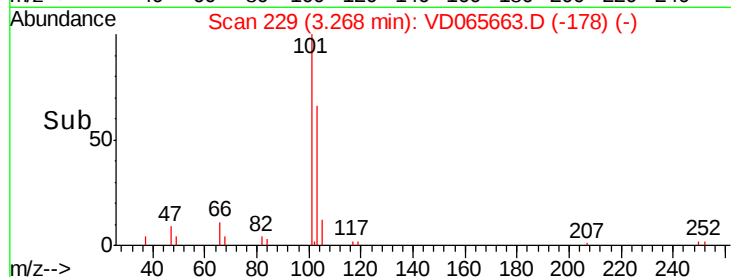
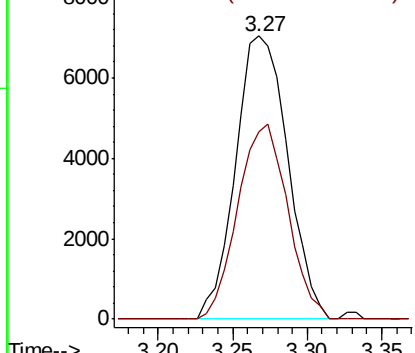
Trichlorofluoromethane
Concen: 7.487 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 17052
Ion Ratio Lower Upper
101 100
103 66.0 50.2 75.2



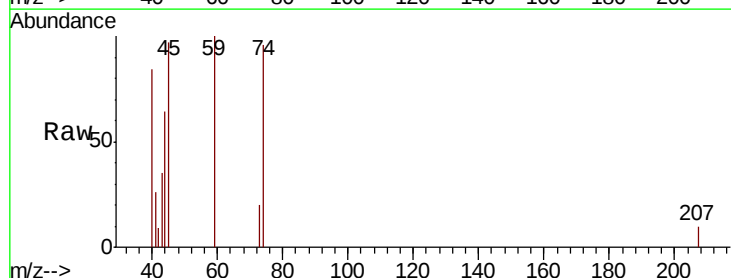
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



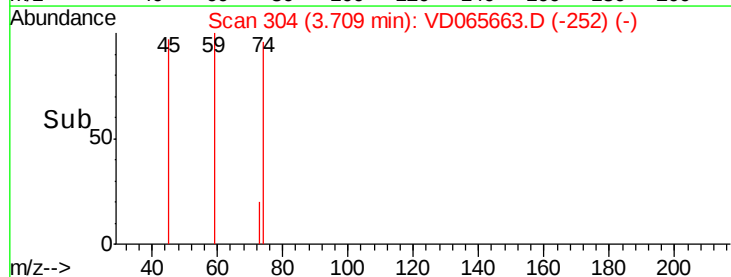
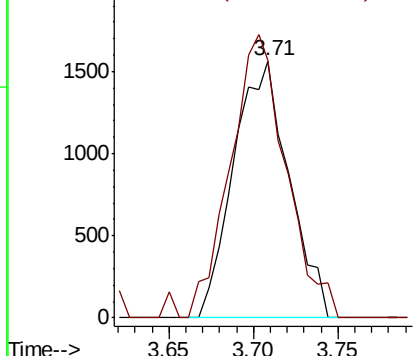
#8

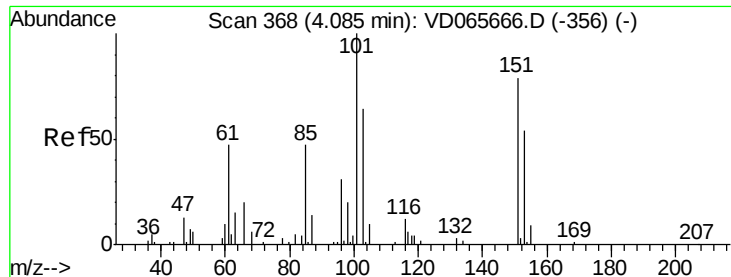
Diethyl Ether
Concen: 7.685 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

Tgt Ion: 74 Resp: 3561
Ion Ratio Lower Upper
74 100
45 111.4 51.0 153.0



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 7.901 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :

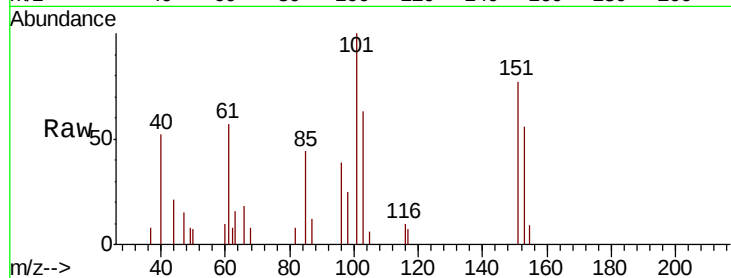
Tot Ion:101 Resp: 8232

Ion Ratio Lower Upper

101 100

85 41.9 35.6 53.4

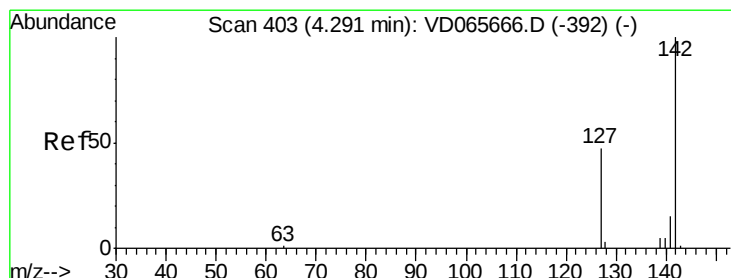
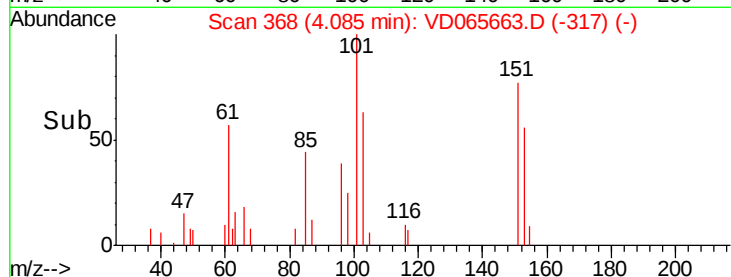
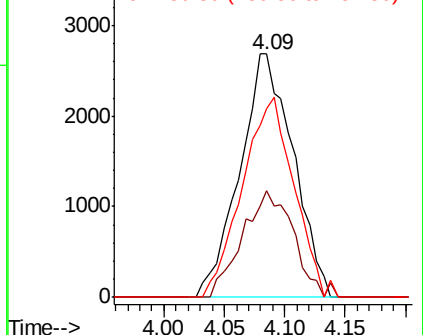
151 79.7 65.4 98.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.802 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

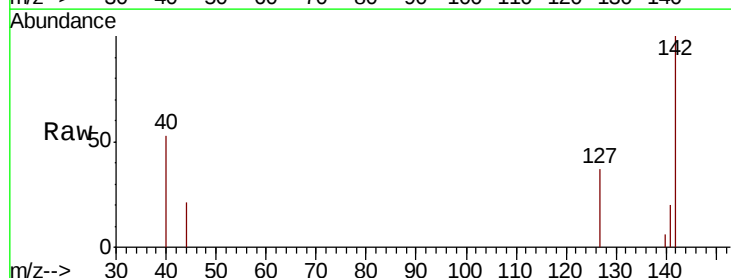
Tgt Ion:142 Resp: 6754

Ion Ratio Lower Upper

142 100

127 42.3 38.2 57.2

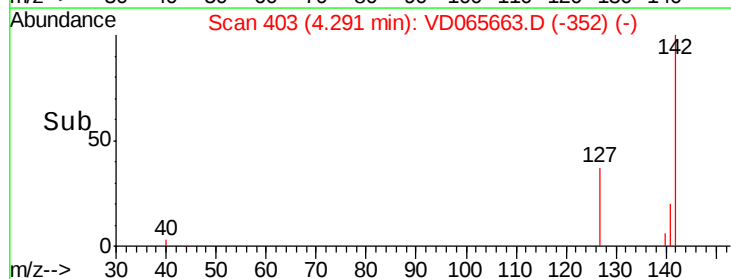
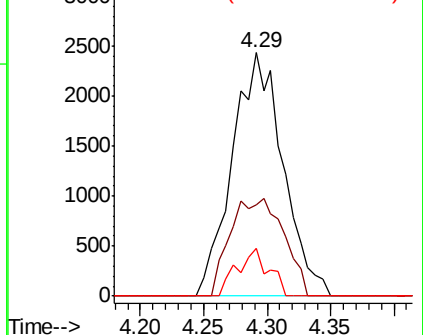
141 12.1 12.1 18.1#

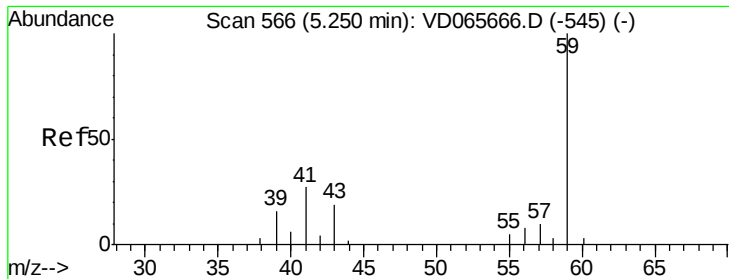


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



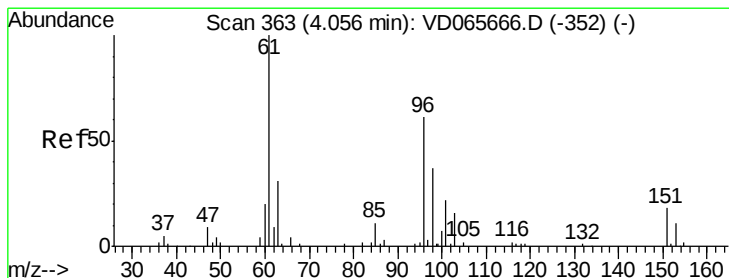
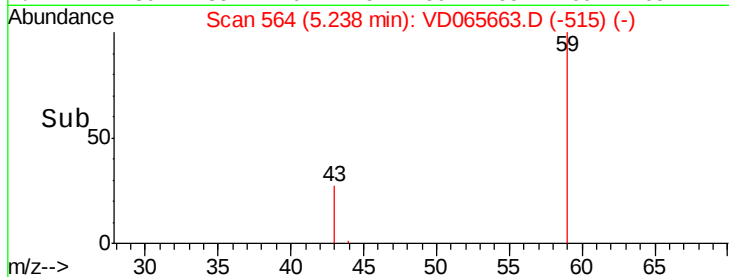
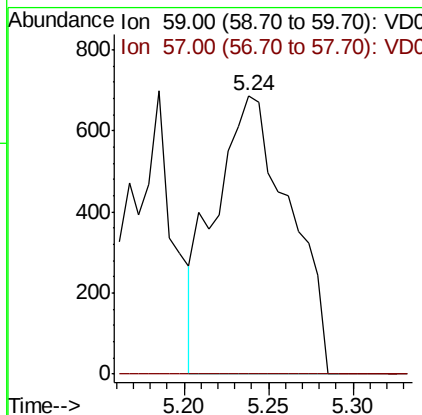
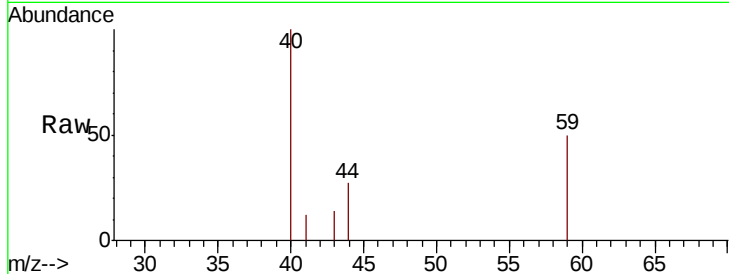


#11

Tert butyl alcohol
 Concen: 27.379 ug/l
 RT: 5.24 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:42

Instrument :
 MSVOA_D
 ClientSampleId :

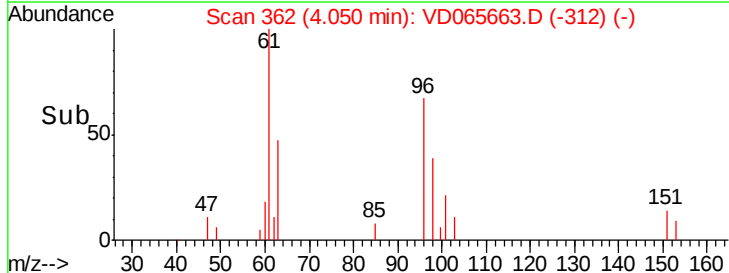
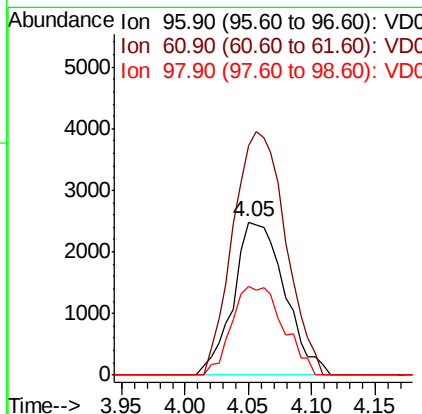
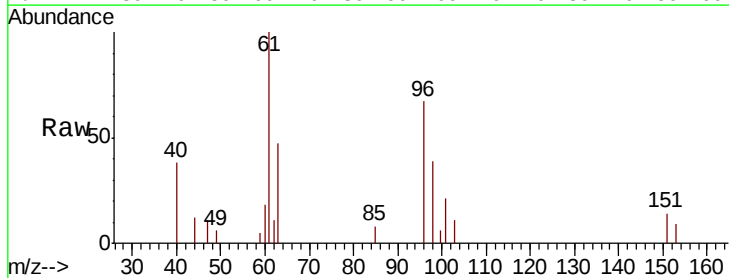
Tot Ion: 59 Resp: 2109
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.5 11.3#

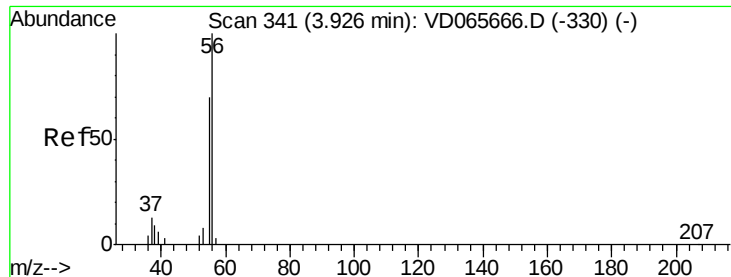


#12

1,1-Dichloroethene
 Concen: 7.444 ug/l
 RT: 4.05 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:42

Tgt Ion: 96 Resp: 6974
 Ion Ratio Lower Upper
 96 100
 61 149.6 131.8 197.6
 98 58.1 48.2 72.4





#13

Acrolein

Concen: 39.468 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

Instrument :

MSVOA_D

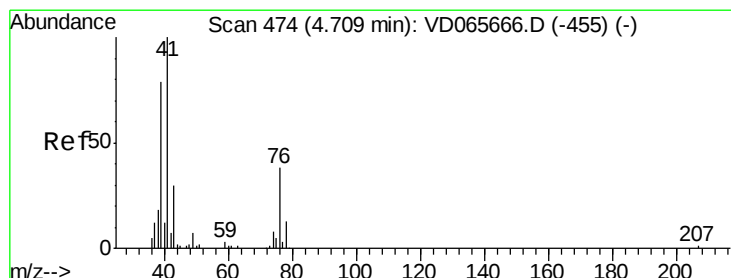
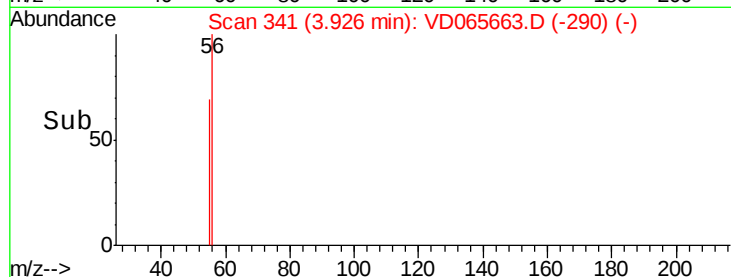
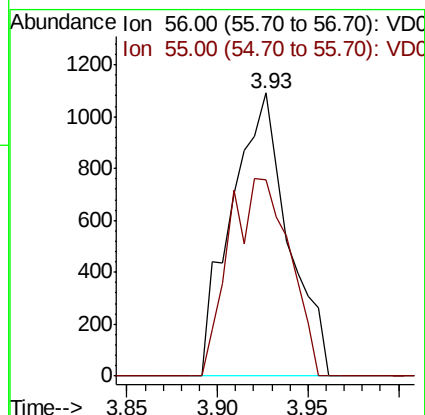
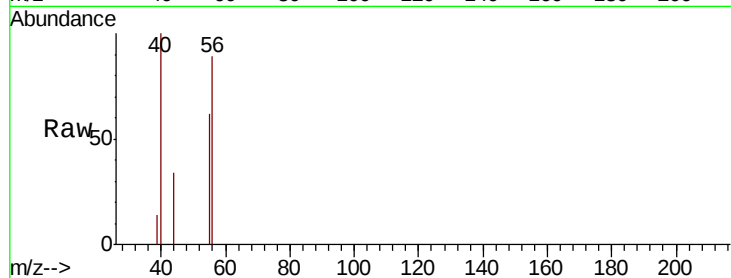
ClientSampleId :

Tot Ion: 56 Resp: 2385

Ion Ratio Lower Upper

56 100

55 74.0 57.3 85.9



#14

Allyl chloride

Concen: 5.864 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

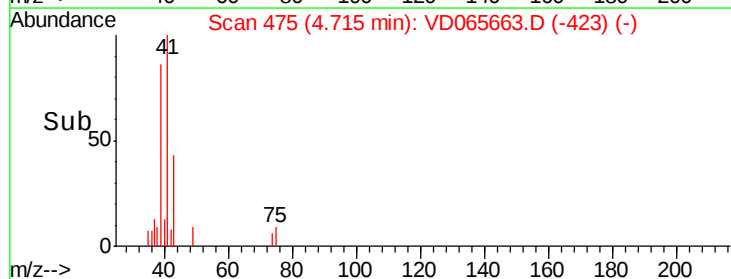
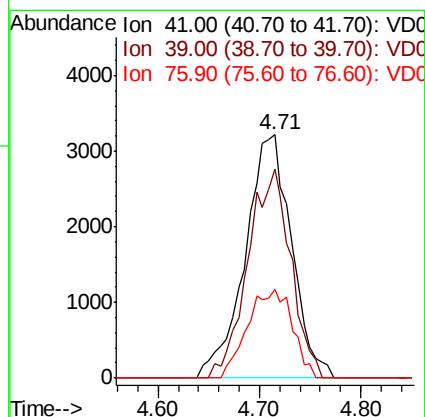
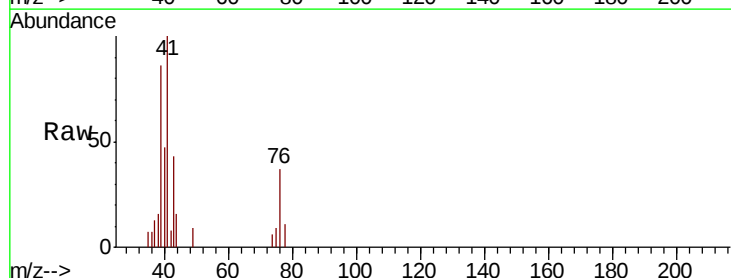
Tgt Ion: 41 Resp: 10208

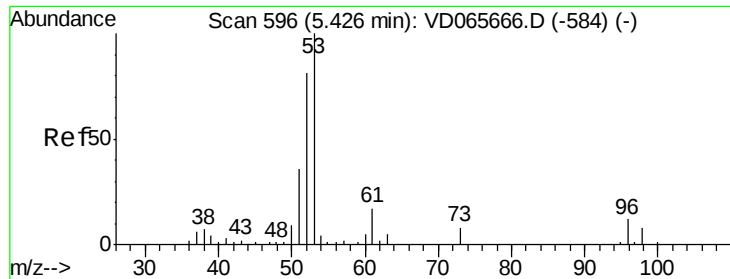
Ion Ratio Lower Upper

41 100

39 79.2 60.7 91.1

76 35.1 29.3 43.9





#15

Acrylonitrile

Concen: 23.376 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :

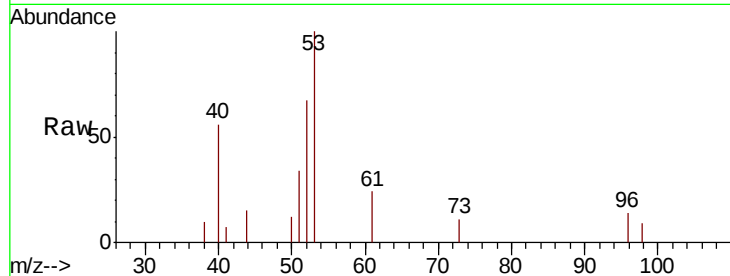
Tot Ion: 53 Resp: 6917

Ion Ratio Lower Upper

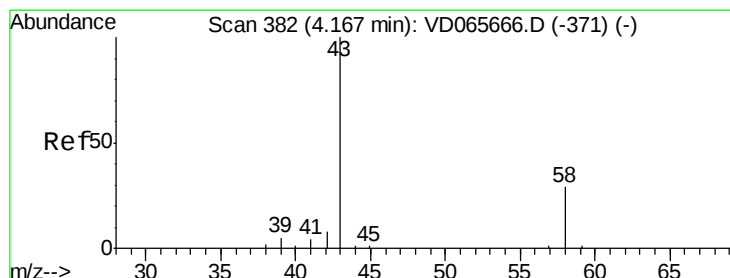
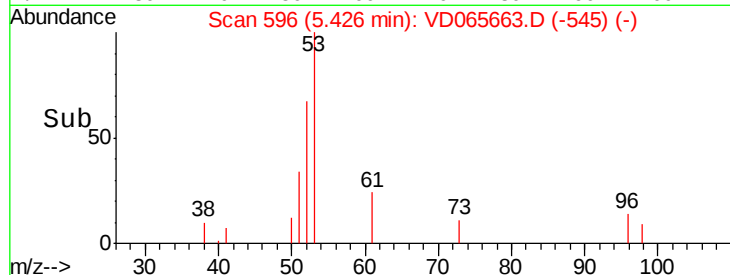
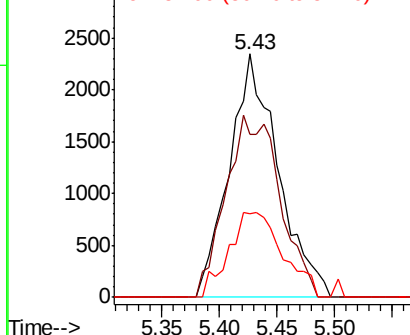
53 100

52 82.3 64.2 96.2

51 38.7 29.5 44.3



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: 37.864 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065663.D

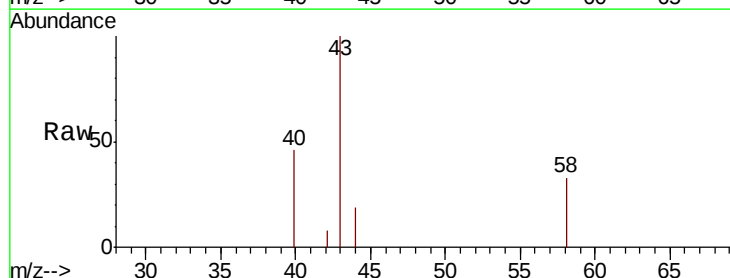
Acq: 22 Apr 2020 13:42

Tgt Ion: 43 Resp: 7514

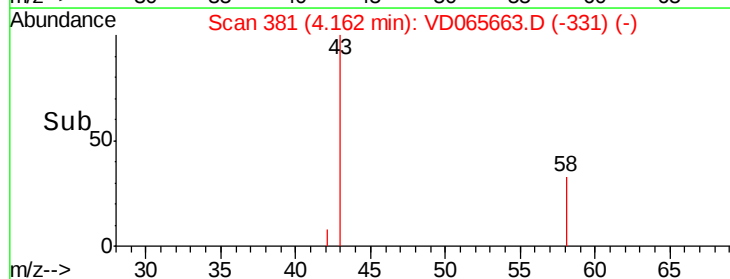
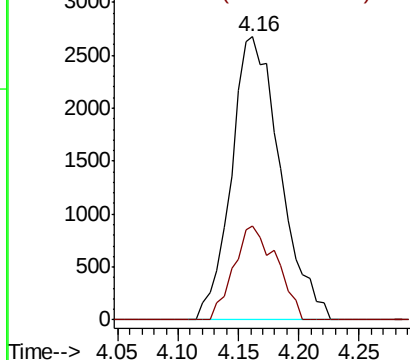
Ion Ratio Lower Upper

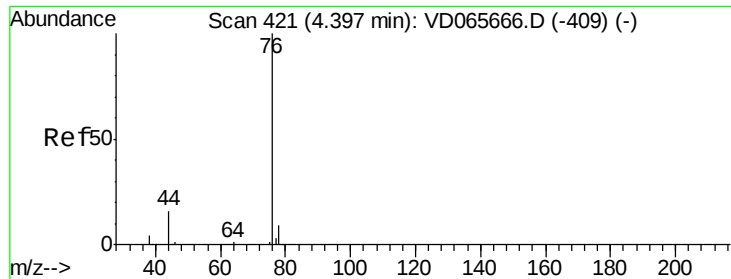
43 100

58 33.1 22.6 34.0



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





#17

Carbon Disulfide

Concen: 6.326 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

Instrument :

MSVOA_D

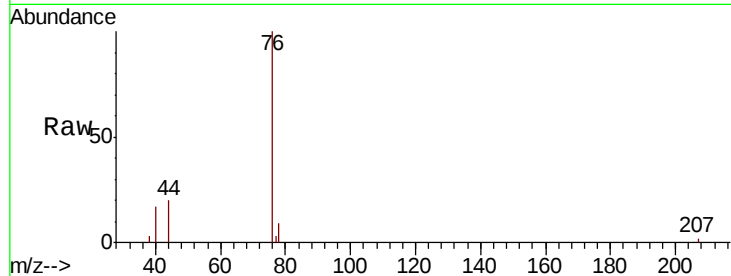
ClientSampled :

Tot Ion: 76 Resp: 23058

Ion Ratio Lower Upper

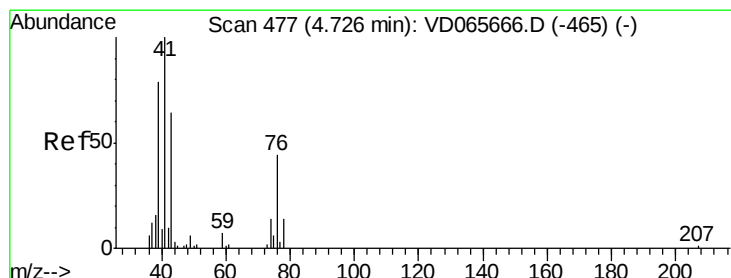
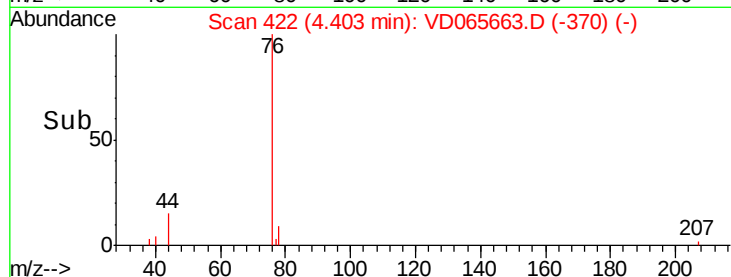
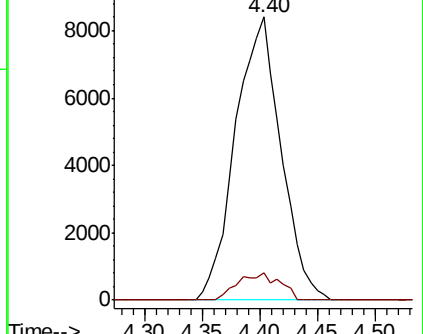
76 100

78 9.5 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 6.759 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065663.D

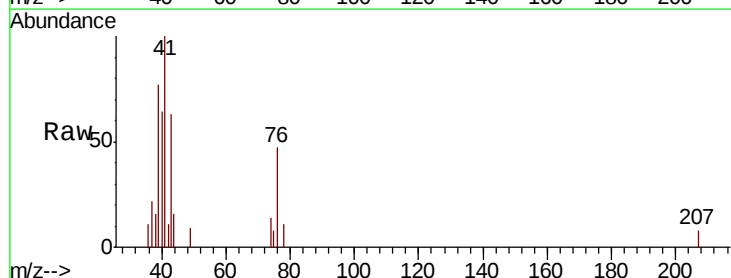
Acq: 22 Apr 2020 13:42

Tgt Ion: 43 Resp: 4399

Ion Ratio Lower Upper

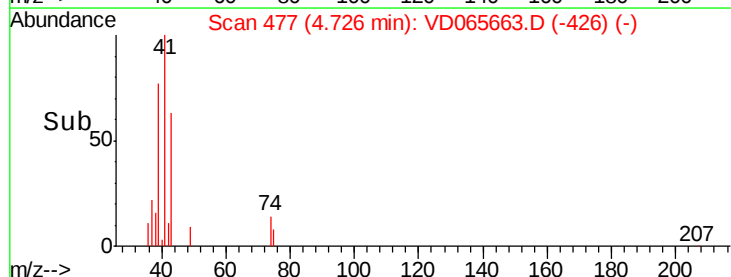
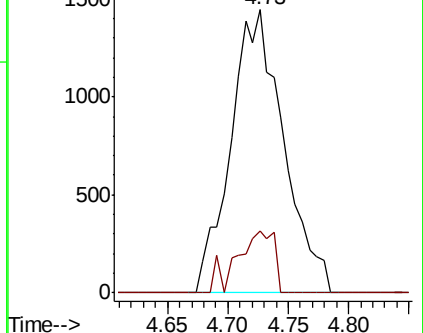
43 100

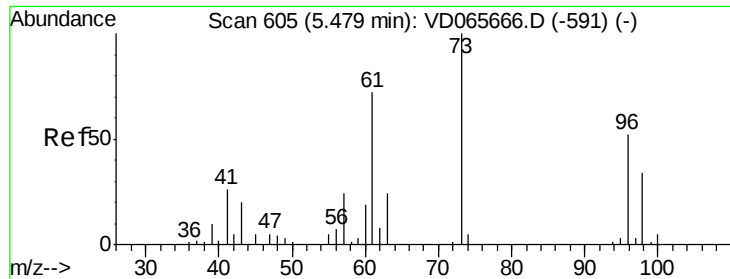
74 15.5 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

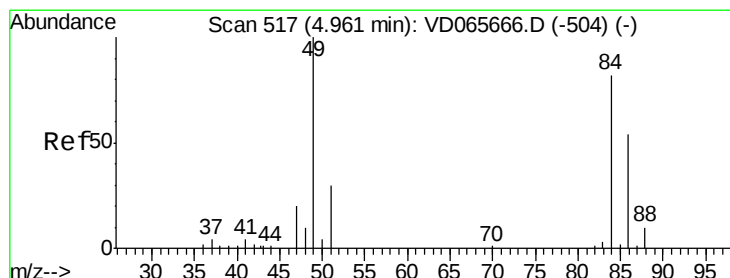
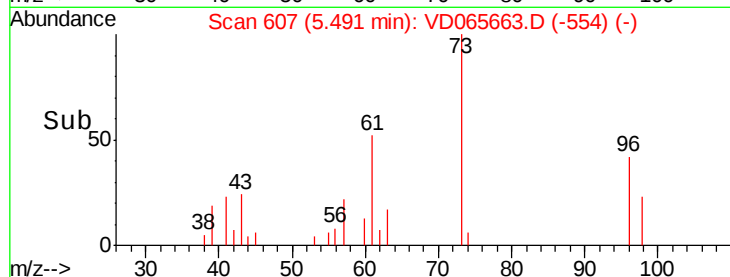
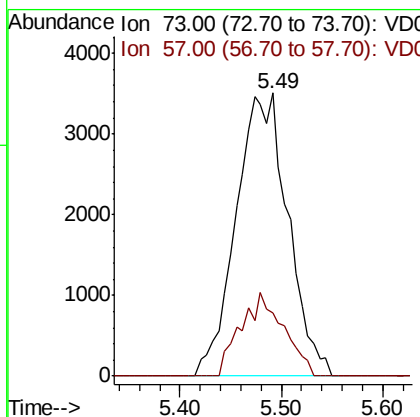
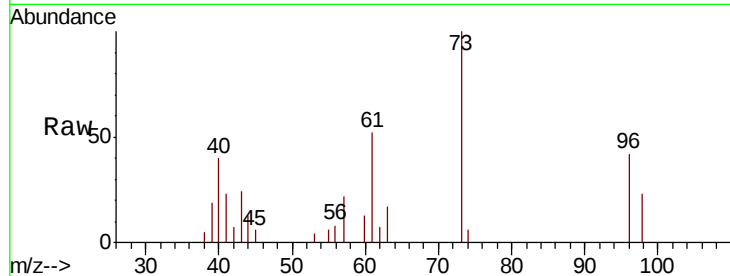




#19
Methvl tert-butvl Ether
Concen: 4.540 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

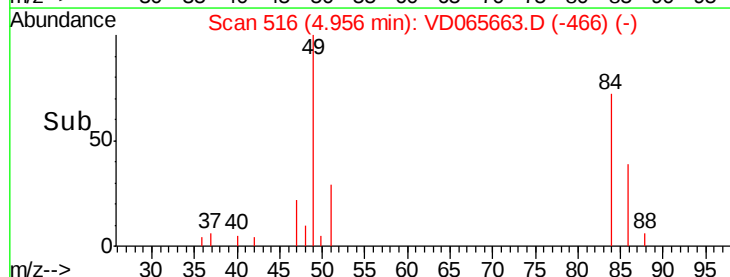
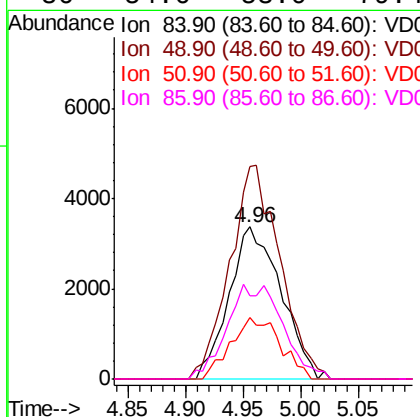
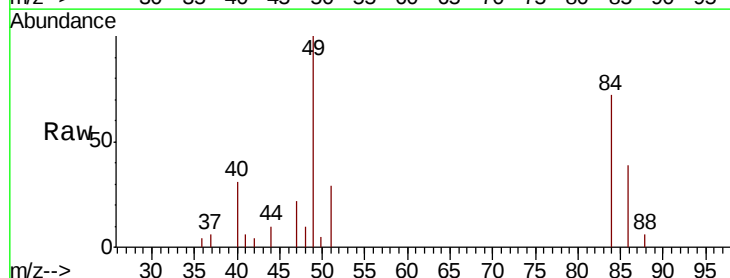
Instrument :
MSVOA_D
ClientSampleId :

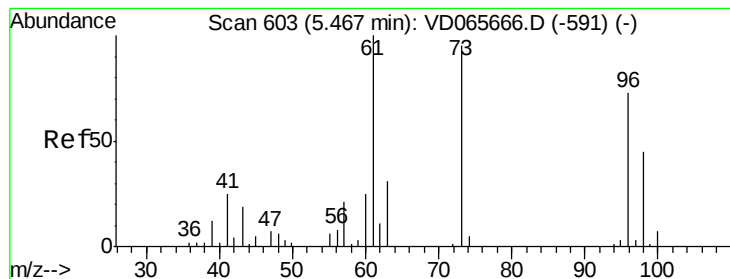
Tot Ion: 73 Resp: 12459
Ion Ratio Lower Upper
73 100
57 22.3 19.6 29.4



#20
Methylene Chloride
Concen: 6.756 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

Tgt Ion: 84 Resp: 10555
Ion Ratio Lower Upper
84 100
49 139.4 97.7 146.5
51 40.1 29.4 44.2
86 54.6 53.0 79.4





#21

trans-1,2-Dichloroethene

Concen: 4.902 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :

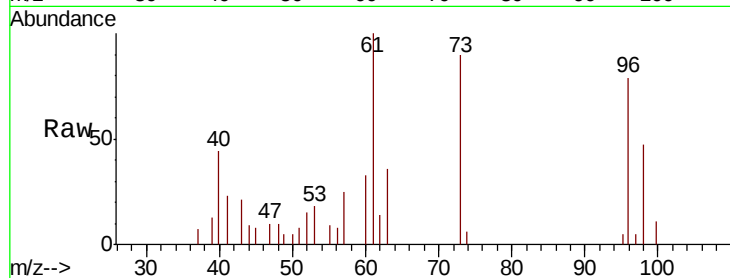
Tot Ion: 96 Resp: 7757

Ion Ratio Lower Upper

96 100

61 127.2 109.6 164.4

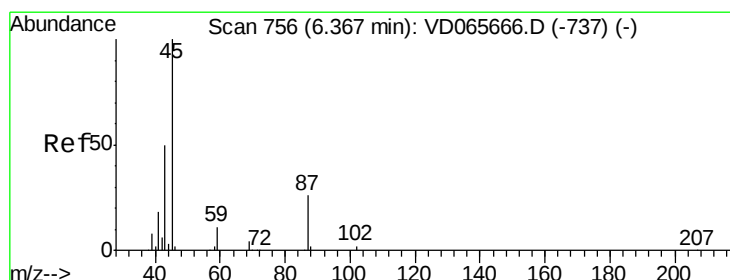
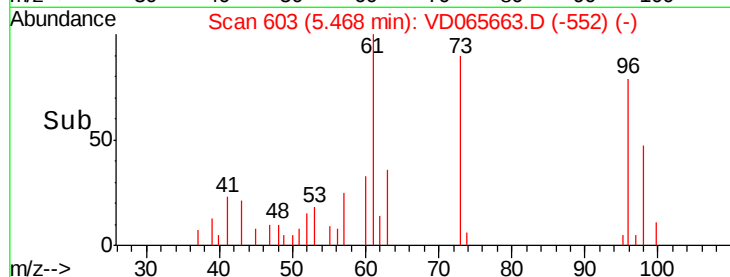
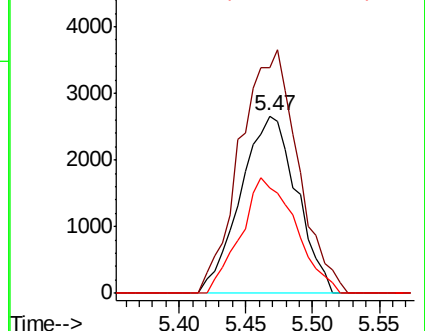
98 59.7 49.3 73.9



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: 4.270 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

Tgt Ion: 45 Resp: 18099

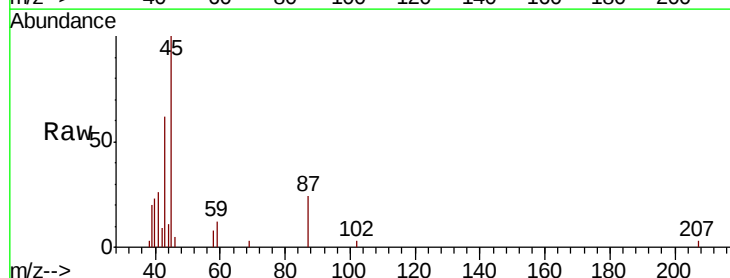
Ion Ratio Lower Upper

45 100

43 62.0 41.9 62.9

87 23.7 21.6 32.4

59 11.7 9.3 13.9

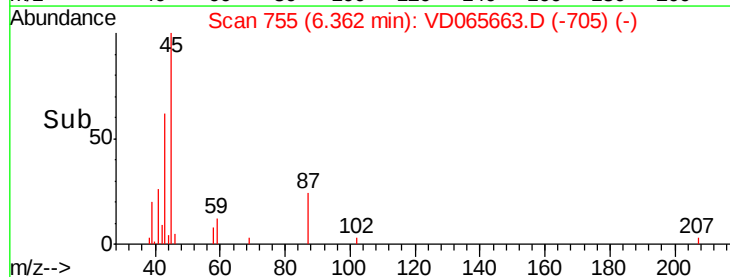
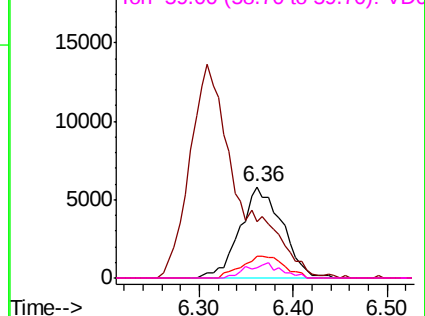


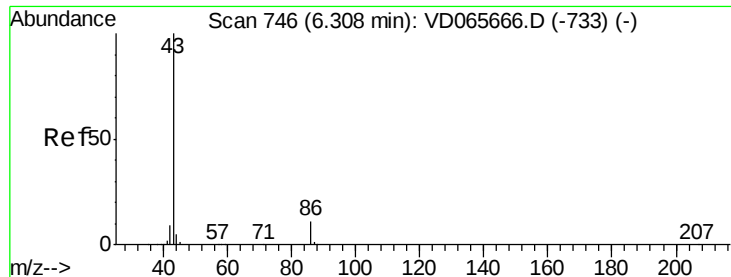
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 21.942 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

Instrument :

MSVOA_D

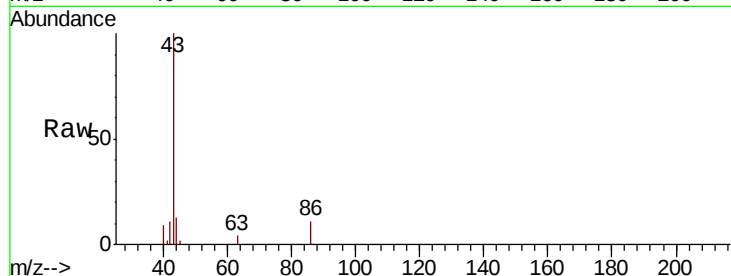
ClientSampleId :

Tot Ion: 43 Resp: 49566

Ion Ratio Lower Upper

43 100

86 11.0 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

15000

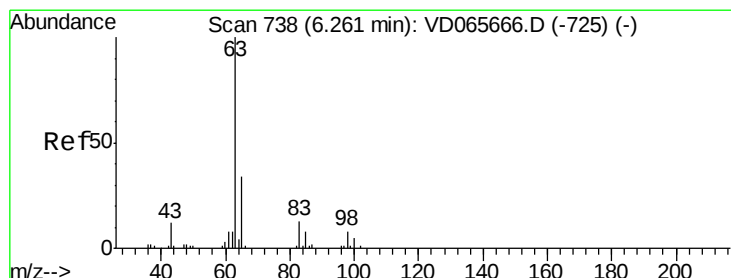
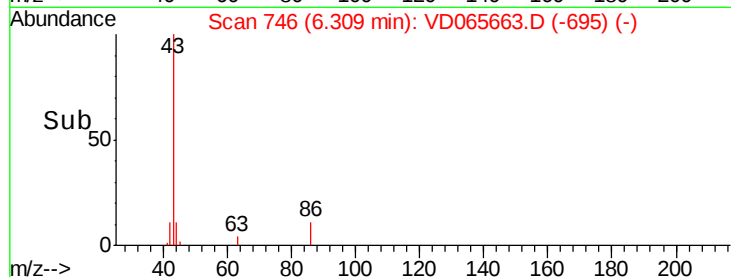
10000

5000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 5.389 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

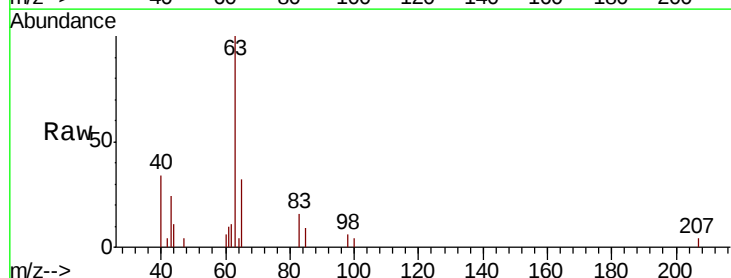
Tgt Ion: 63 Resp: 14559

Ion Ratio Lower Upper

63 100

98 6.2 3.8 11.2

100 4.5 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6000

5000

4000

3000

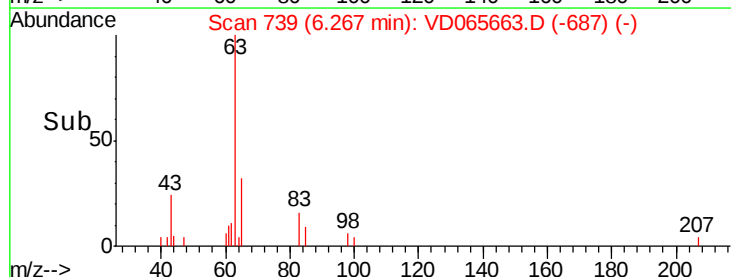
2000

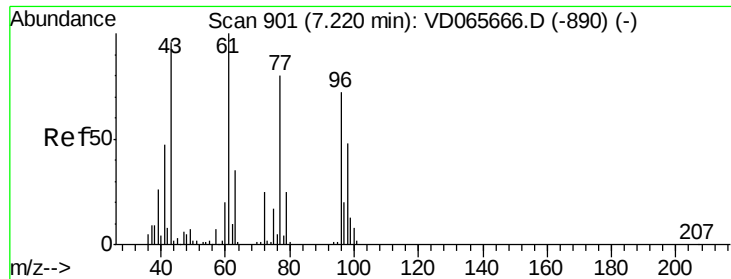
1000

0

6.15 6.20 6.25 6.30 6.35

Time-->





#25

2-Butanone

Concen: 25.134 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

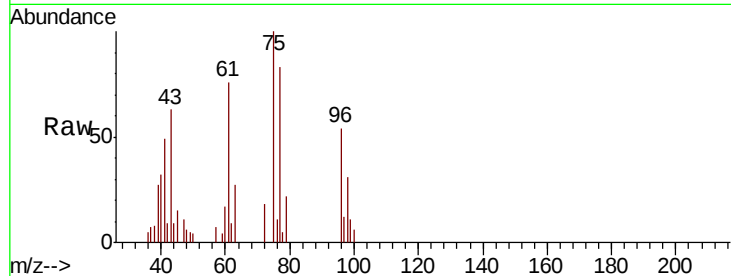
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 9095

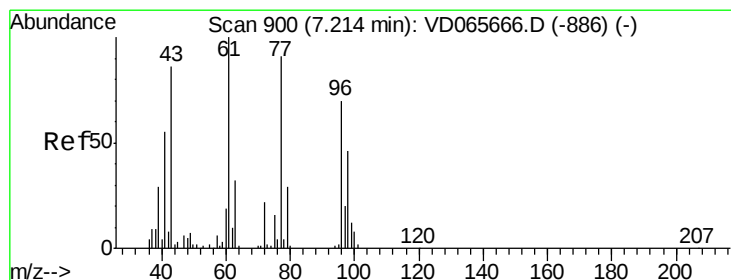
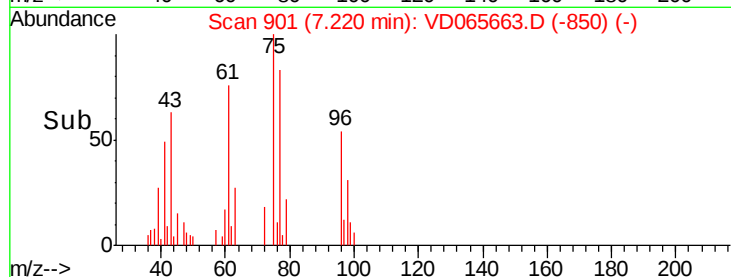
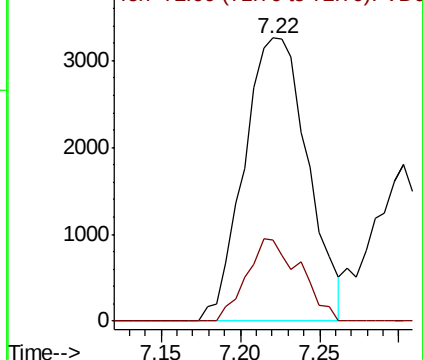
Ion Ratio Lower Upper

43 100

72 28.7 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 5.953 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065663.D

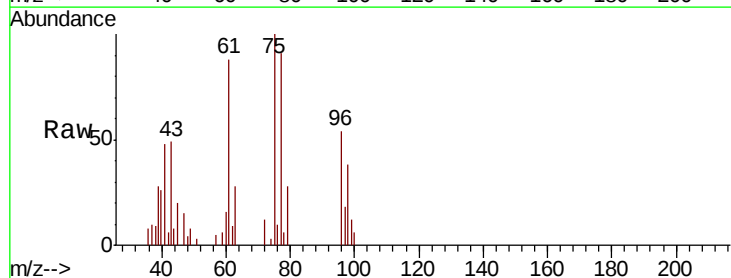
Acq: 22 Apr 2020 13:42

Tgt Ion: 77 Resp: 14005

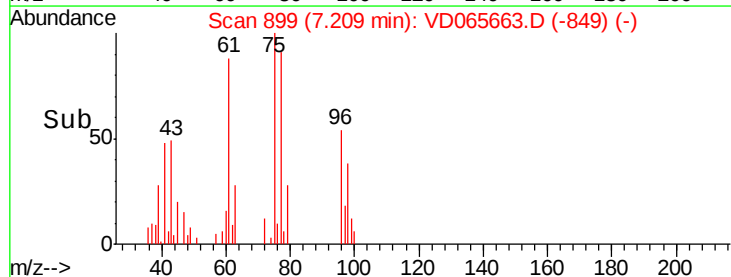
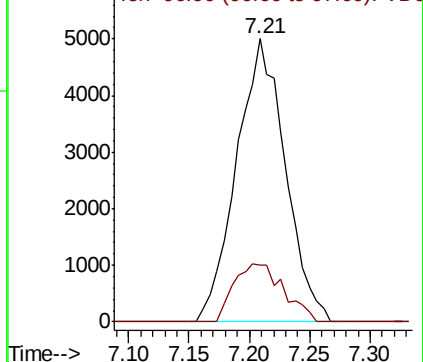
Ion Ratio Lower Upper

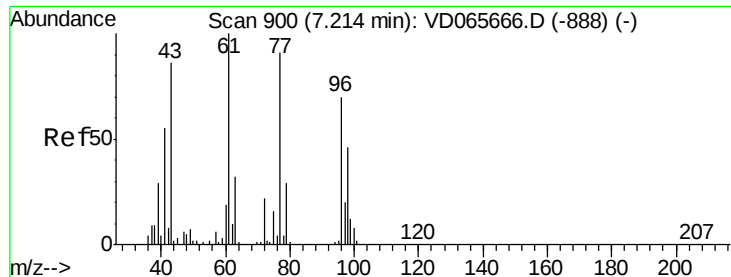
77 100

97 21.0 11.5 34.4



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



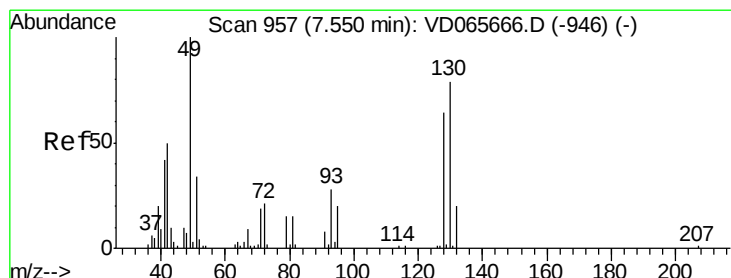
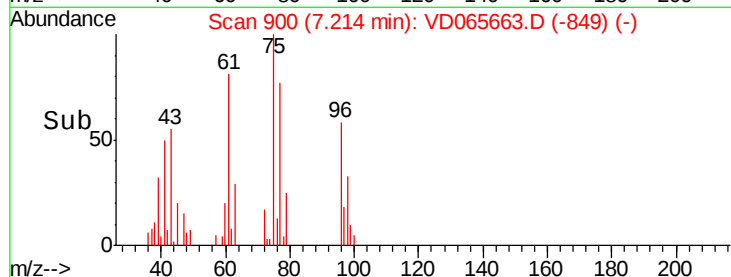
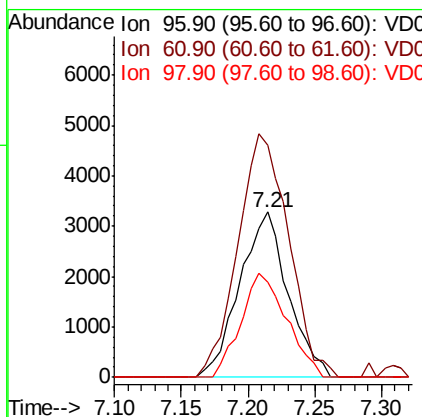
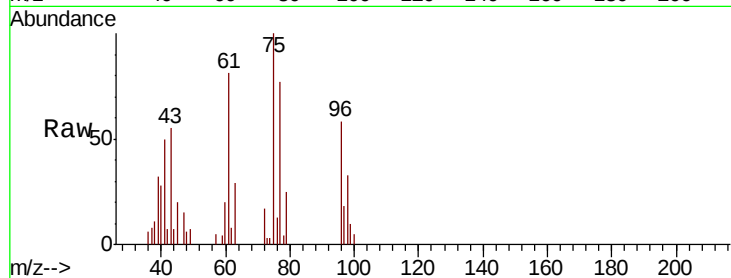


#27

cis-1,2-Dichloroethene
 Concen: 5.004 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:42

Instrument :
 MSVOA_D
 ClientSampled :

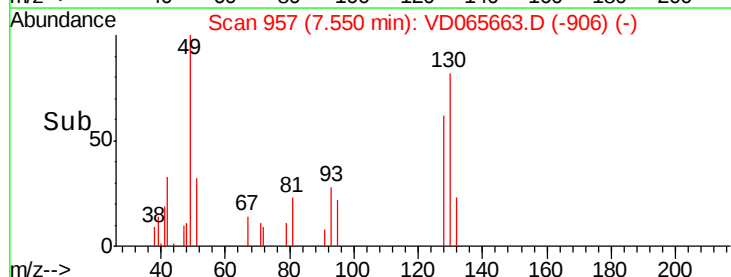
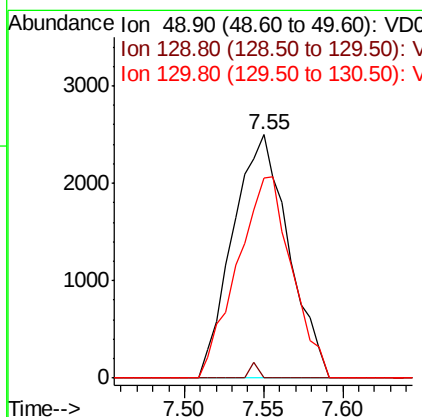
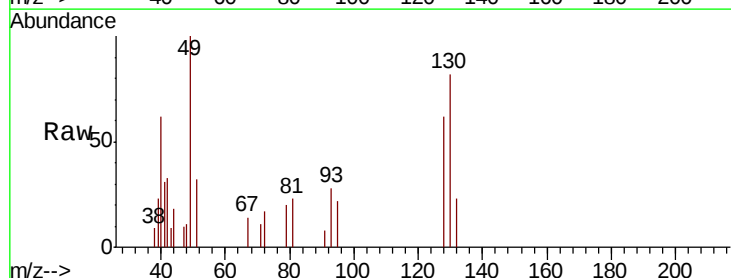
Tot Ion: 96 Resp: 8243
 Ion Ratio Lower Upper
 96 100
 61 154.4 0.0 290.4
 98 59.4 0.0 131.0

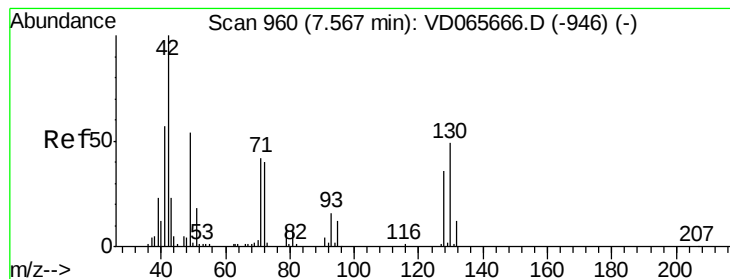


#28

Bromochloromethane
 Concen: 5.524 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:42

Tgt Ion: 49 Resp: 6093
 Ion Ratio Lower Upper
 49 100
 129 0.9 0.0 5.0
 130 81.0 66.3 99.5





#29

Tetrahydrofuran

Concen: 21.841 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

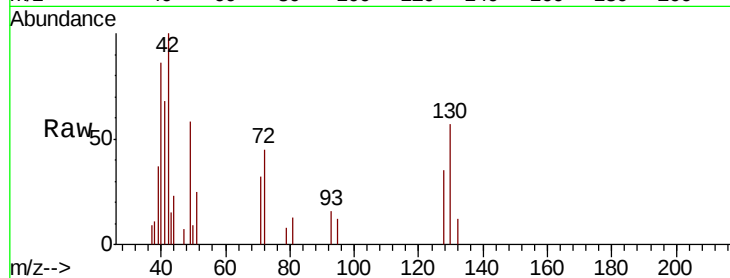
Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

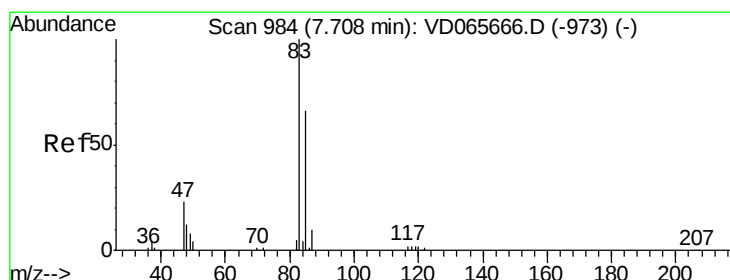
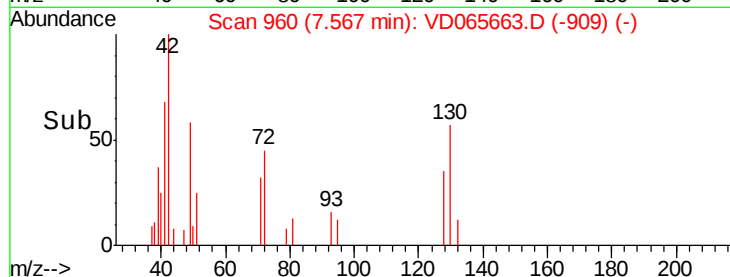
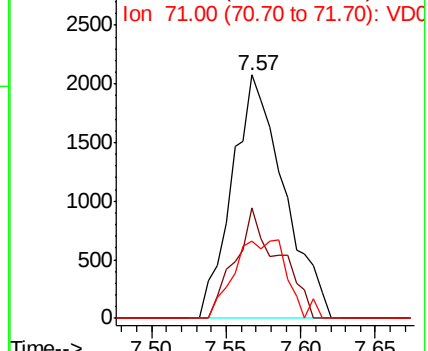
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 5011

Ion	Ratio	Lower	Upper
42	100		
72	38.4	33.8	50.6
71	33.2	30.7	46.1



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



#30

Chloroform

Concen: 5.853 ug/l

RT: 7.71 min Scan# 985

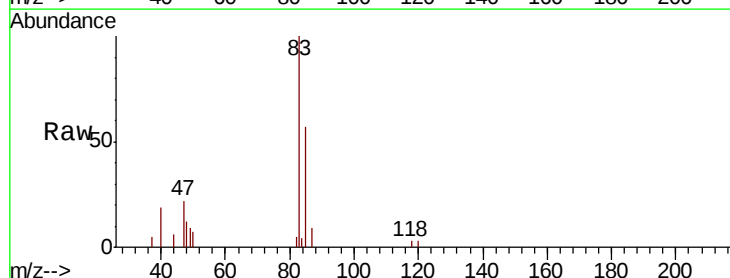
Delta R.T. 0.01 min

Lab File: VD065663.D

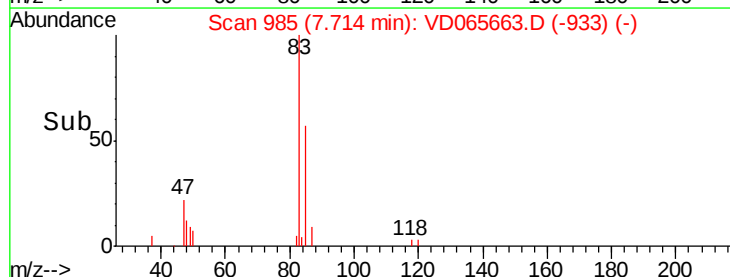
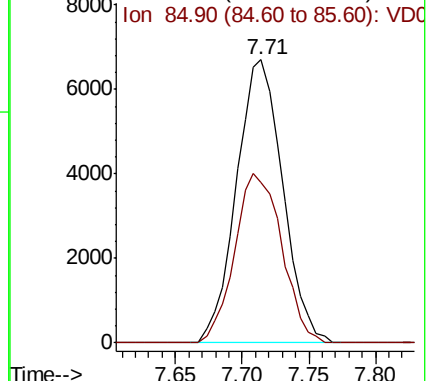
Acq: 22 Apr 2020 13:42

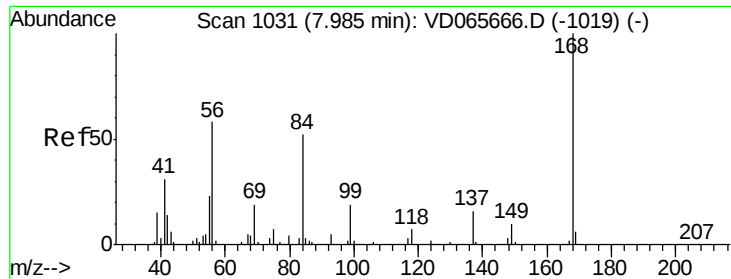
Tgt Ion: 83 Resp: 16109

Ion	Ratio	Lower	Upper
83	100		
85	56.7	52.5	78.7



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

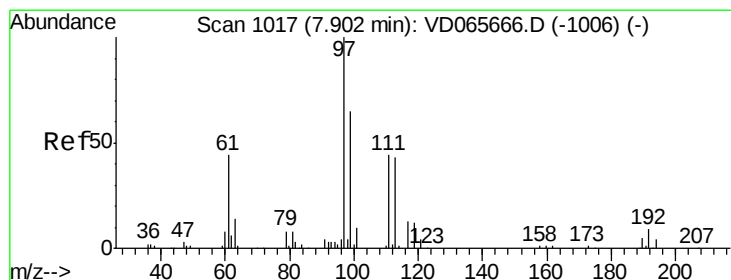
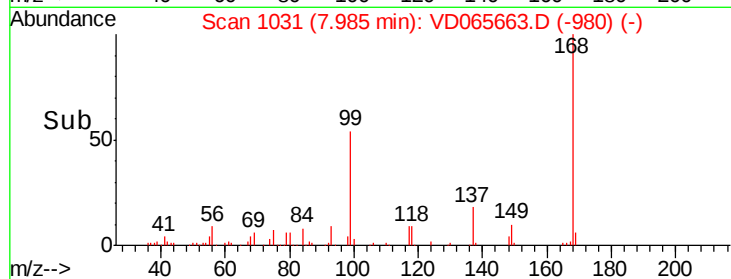
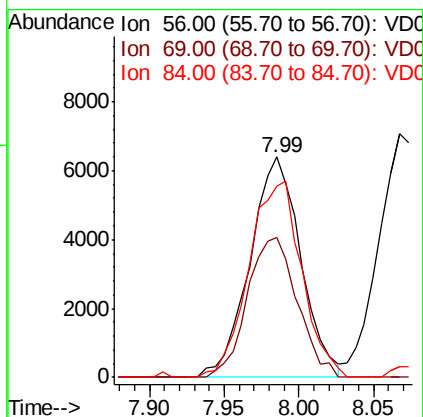
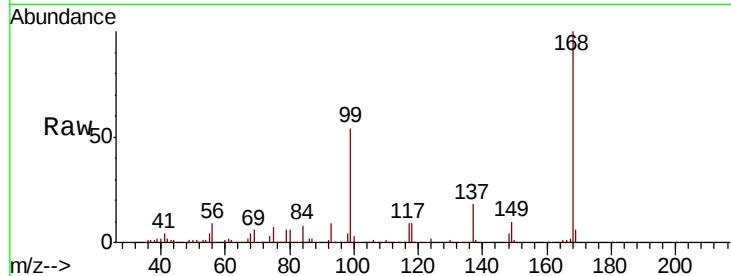




#31
Cyclohexane
Concen: 5.870 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

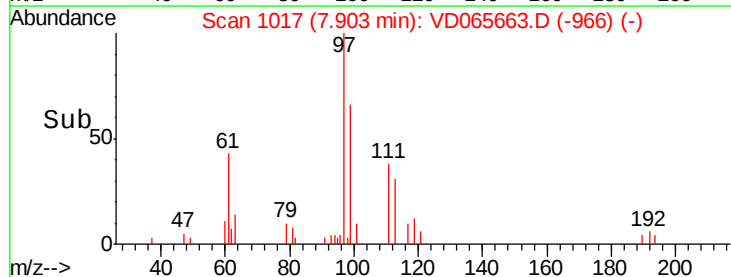
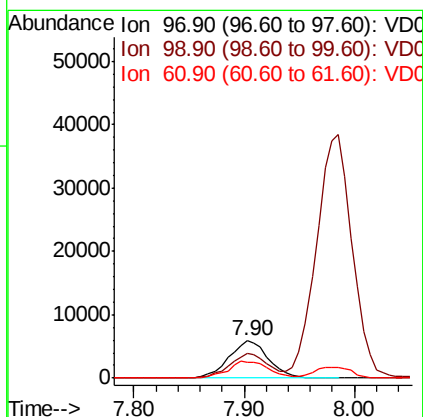
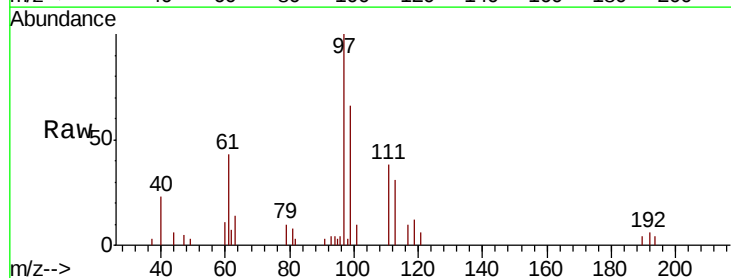
Instrument :
MSVOA_D
ClientSampleId :

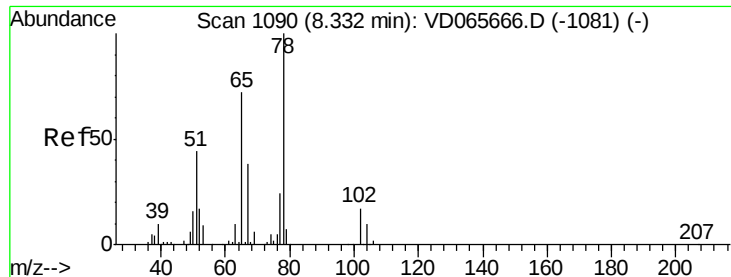
Tot Ion: 56 Resp: 15109
Ion Ratio Lower Upper
56 100
69 63.5 26.3 39.5#
84 87.1 71.4 107.0



#32
1,1,1-Trichloroethane
Concen: 5.910 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

Tgt Ion: 97 Resp: 14696
Ion Ratio Lower Upper
97 100
99 65.1 51.1 76.7
61 45.4 35.8 53.6





#33

1,2-Dichloroethane-d4

Concen: 6.181 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

Instrument :

MSVOA_D

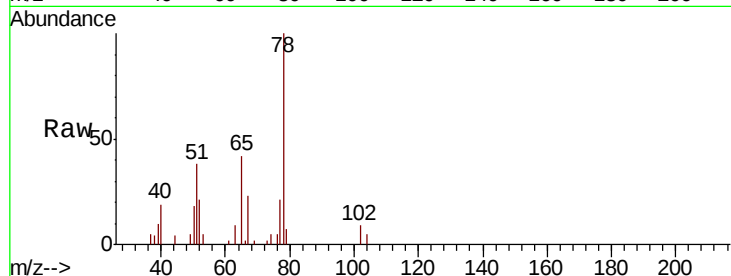
ClientSampleId :

Tot Ion: 65 Resp: 8647

Ion Ratio Lower Upper

65 100

67 49.5 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

4000

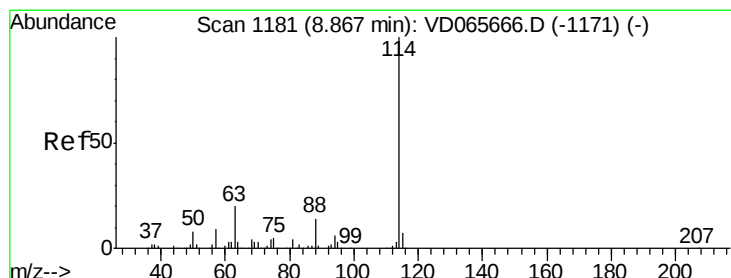
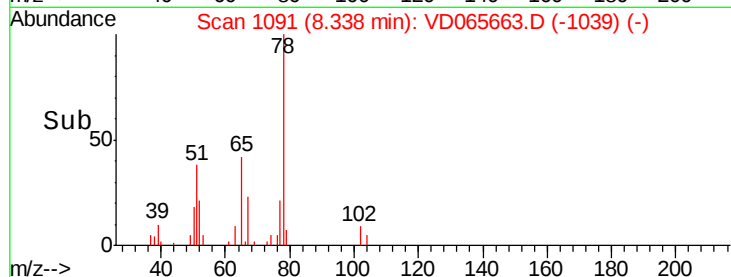
3000

2000

1000

0

Time--> 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

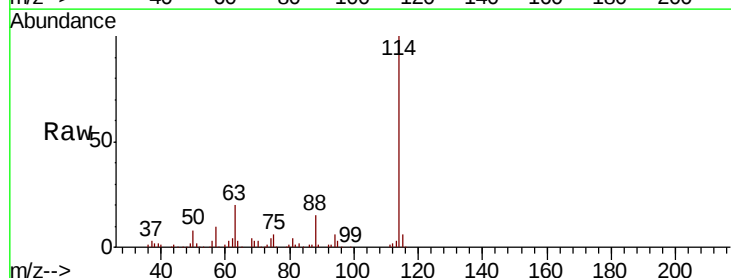
Tgt Ion: 114 Resp: 245568

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.2

88 15.2 0.0 28.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

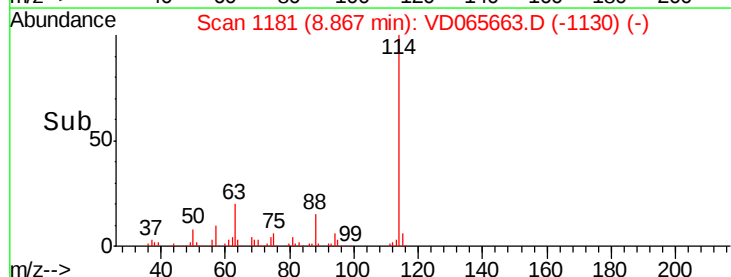
150000

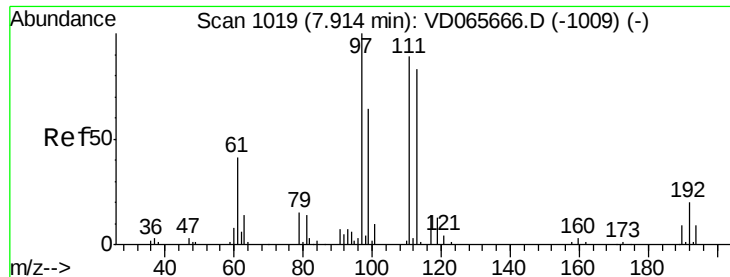
100000

50000

0

Time--> 8.80 8.90 9.00

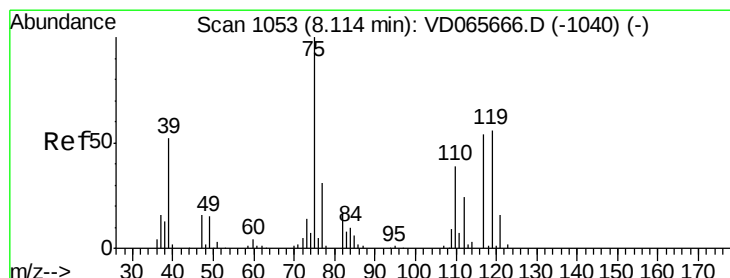
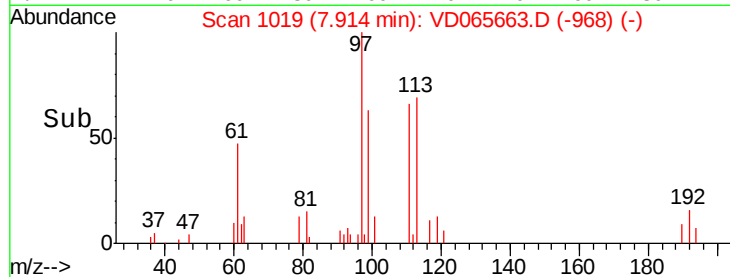
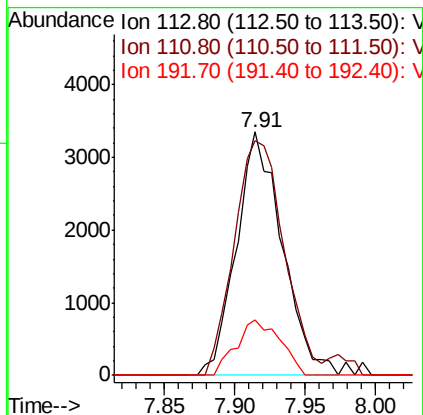
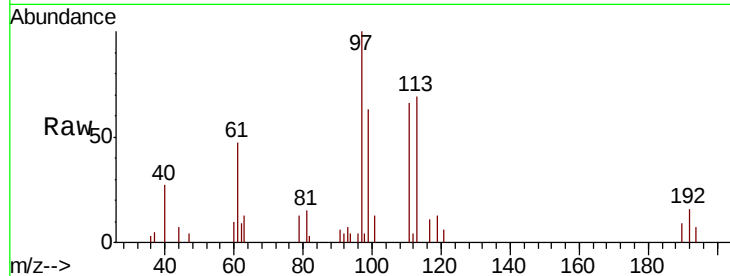




#35
 Dibromofluoromethane
 Concen: 4.985 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:42

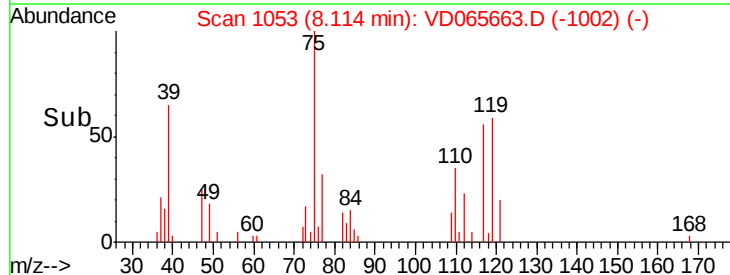
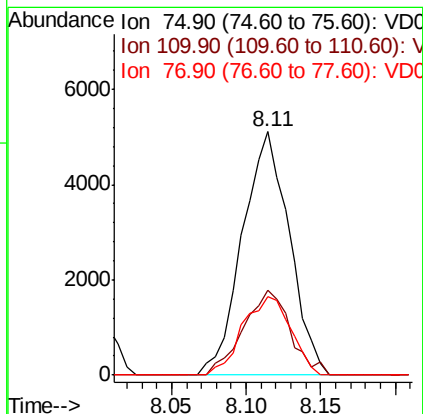
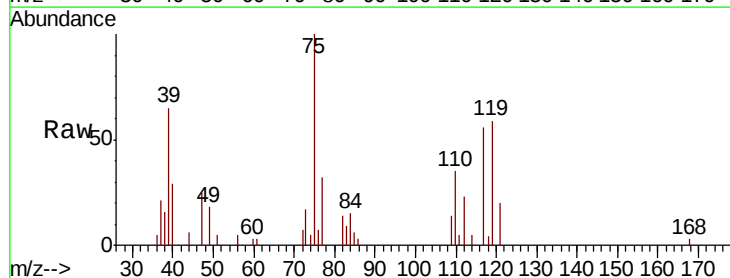
Instrument :
 MSVOA_D
 ClientSampleId :

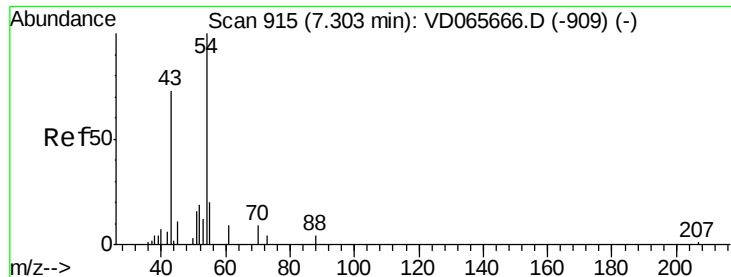
Tot Ion:113 Resp: 7627
 Ion Ratio Lower Upper
 113 100
 111 104.9 83.2 124.8
 192 21.9 18.6 28.0



#36
 1,1-Dichloropropene
 Concen: 4.805 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:42

Tgt Ion: 75 Resp: 11165
 Ion Ratio Lower Upper
 75 100
 110 34.8 18.4 55.0
 77 33.2 25.3 37.9

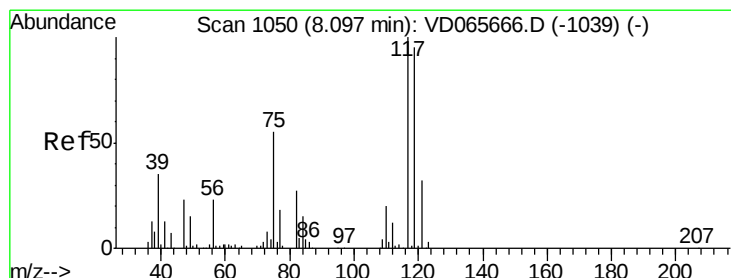
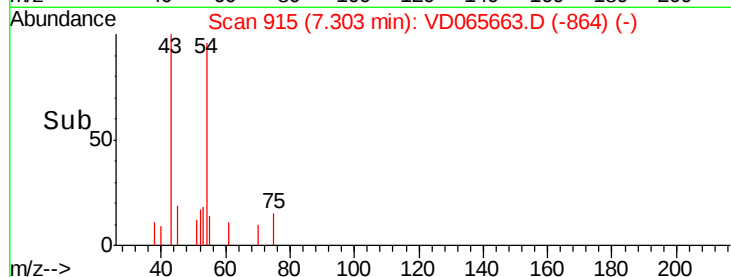
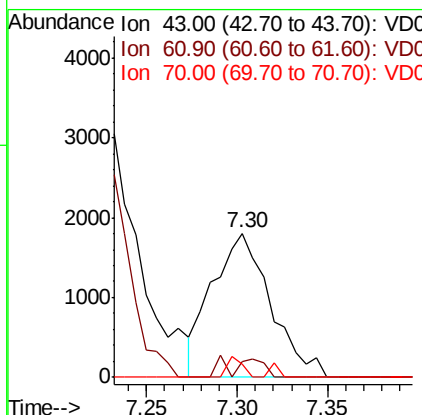
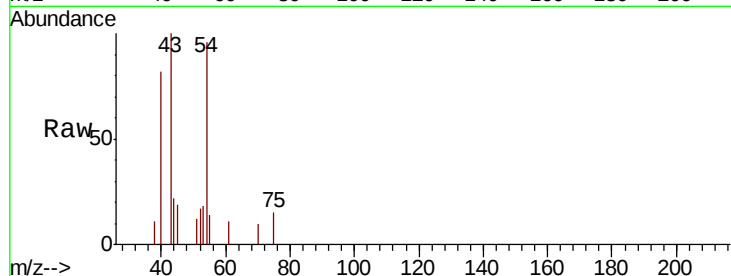




#37
Ethyl Acetate
Concen: 4.422 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

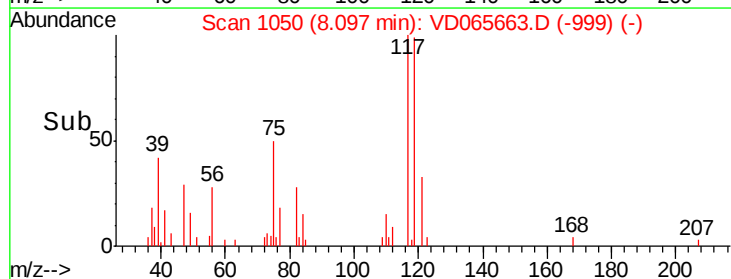
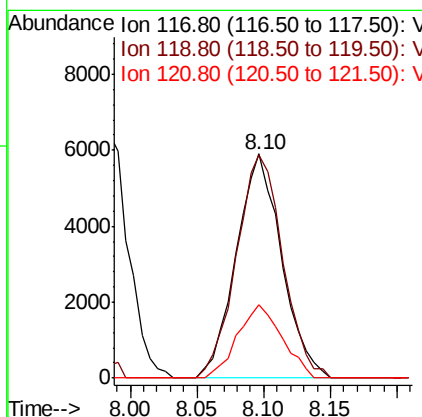
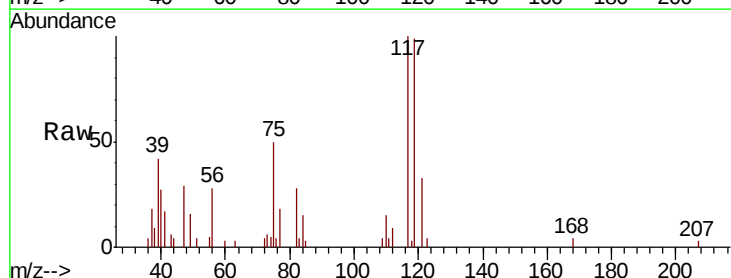
Instrument :
MSVOA_D
ClientSampled :

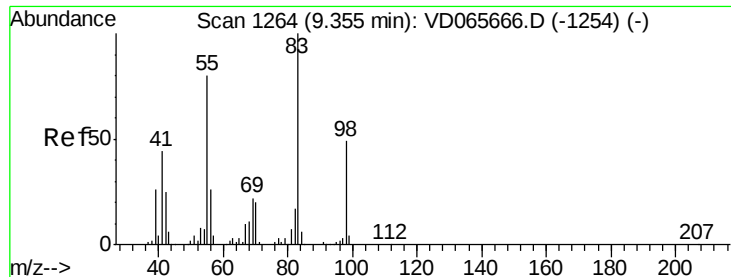
Tot Ion: 43 Resp: 4041
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 3.8 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 5.617 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

Tgt Ion: 117 Resp: 13923
Ion Ratio Lower Upper
117 100
119 99.4 75.7 113.5
121 32.9 25.8 38.6

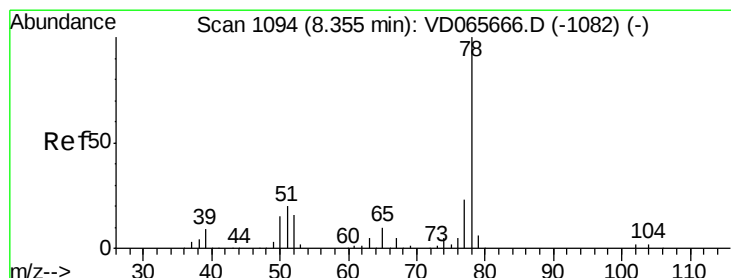
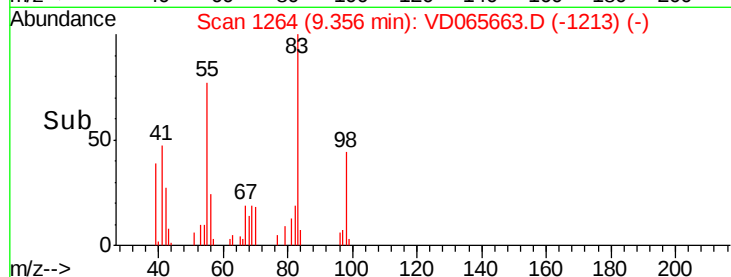
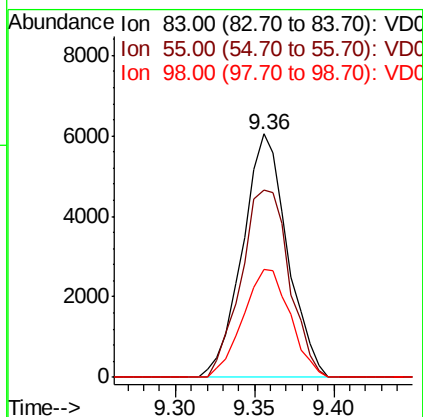
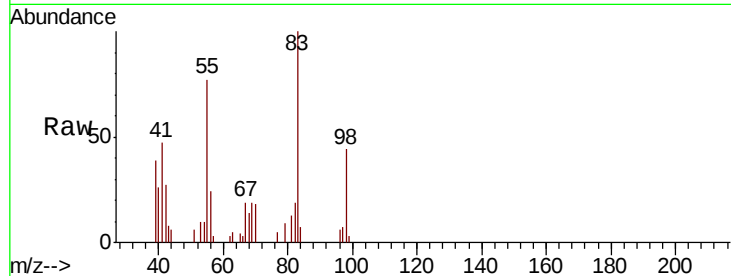




#39
Methvlcvclohexane
Concen: 4.429 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

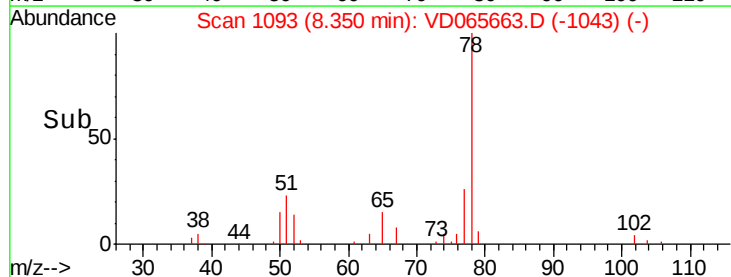
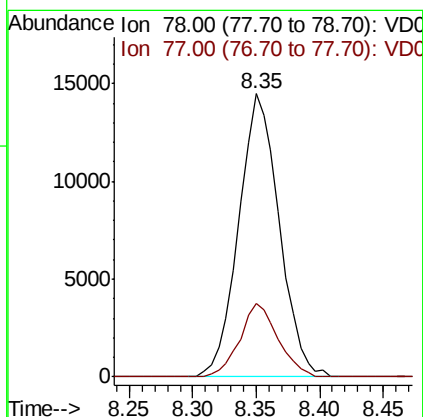
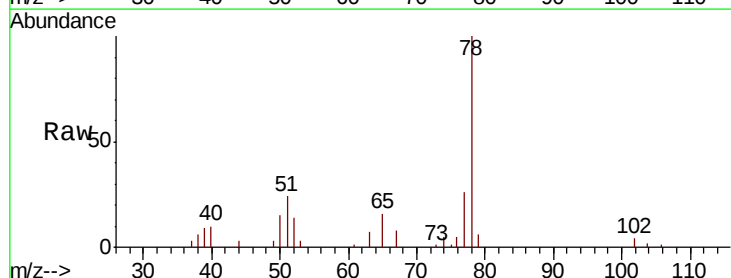
Instrument :
MSVOA_D
ClientSampleId :

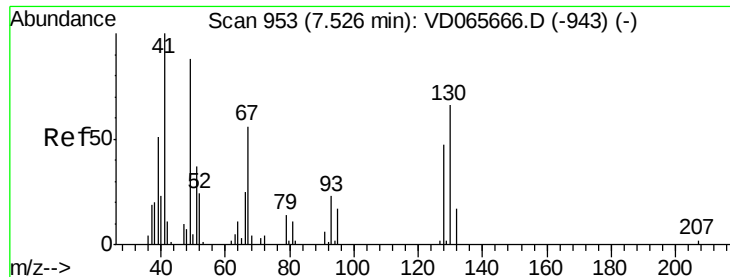
Tot Ion: 83 Resp: 11880
Ion Ratio Lower Upper
83 100
55 77.1 64.0 96.0
98 44.4 39.2 58.8



#40
Benzene
Concen: 4.827 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

Tgt Ion: 78 Resp: 32106
Ion Ratio Lower Upper
78 100
77 25.8 18.7 28.1

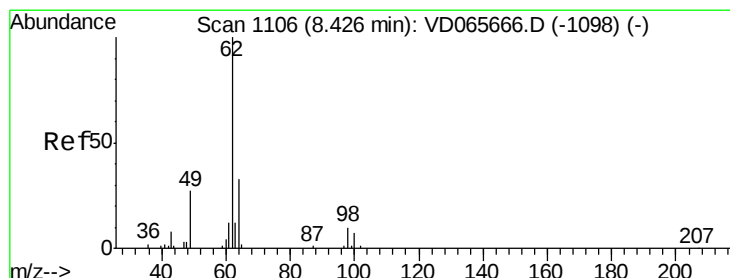
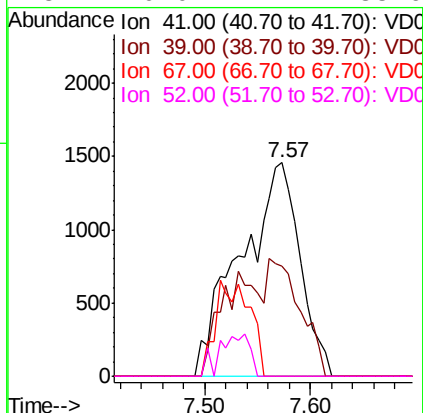
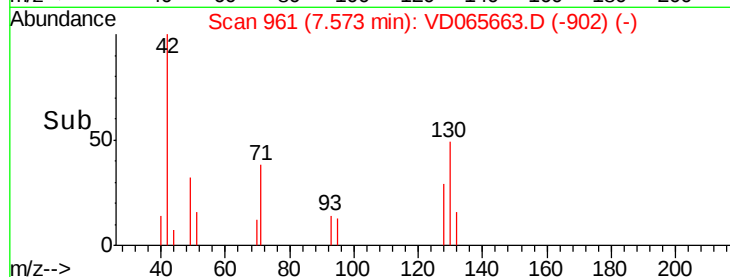
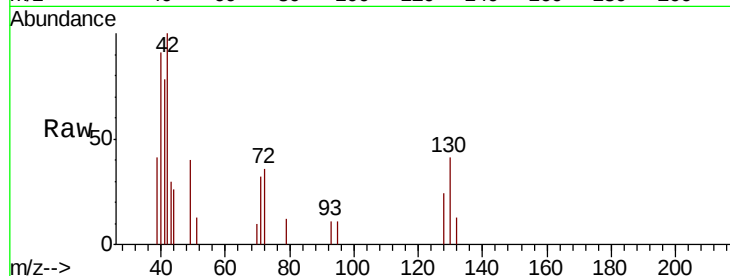




#41
Methacrylonitrile
Concen: 11.757 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.05 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

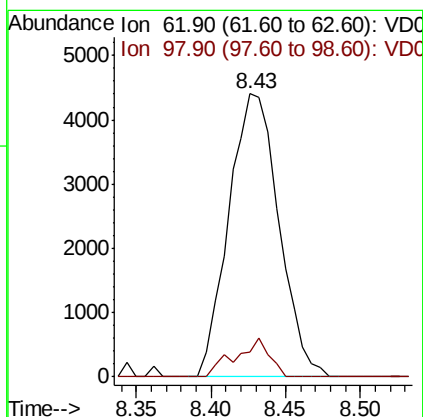
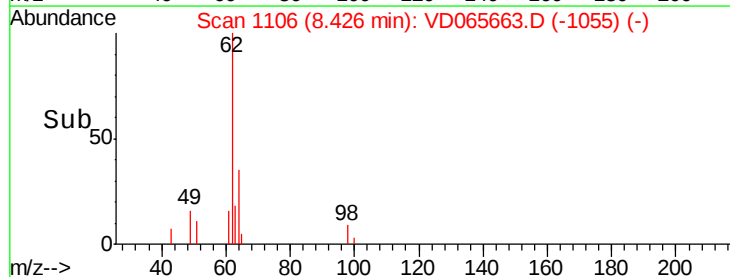
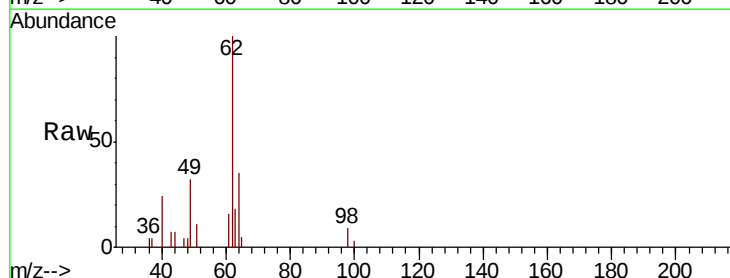
Instrument :
MSVOA_D
ClientSampleId :

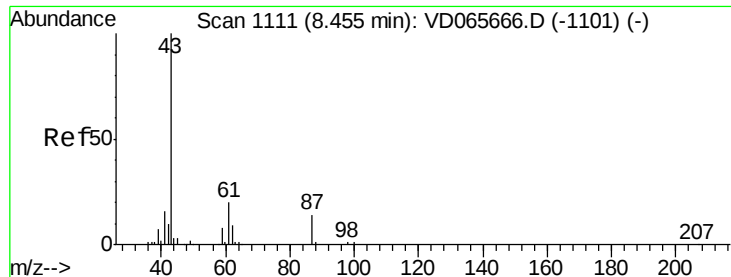
Tot Ion: 41 Resp: 5665
Ion Ratio Lower Upper
41 100
39 30.3 43.8 65.6#
67 0.0 54.4 81.6#
52 0.0 22.4 33.6#



#42
1,2-Dichloroethane
Concen: 5.668 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

Tgt Ion: 62 Resp: 10290
Ion Ratio Lower Upper
62 100
98 9.2 0.0 20.2





#43

Isopropyl Acetate

Concen: 4.748 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :

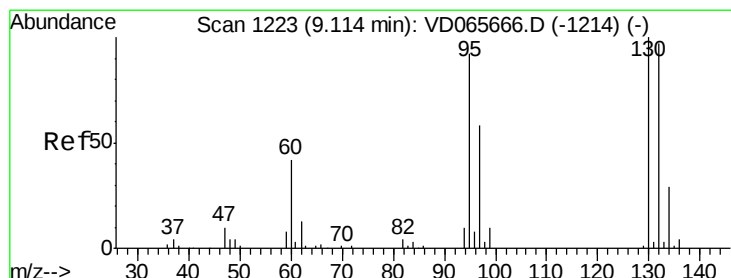
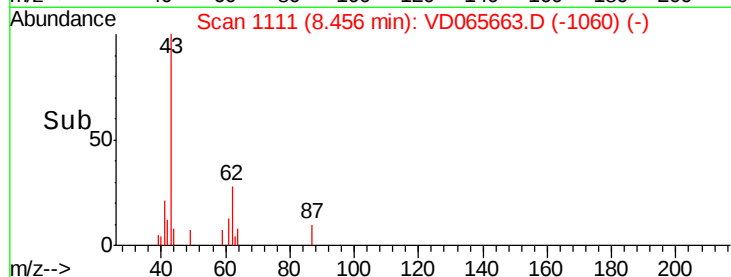
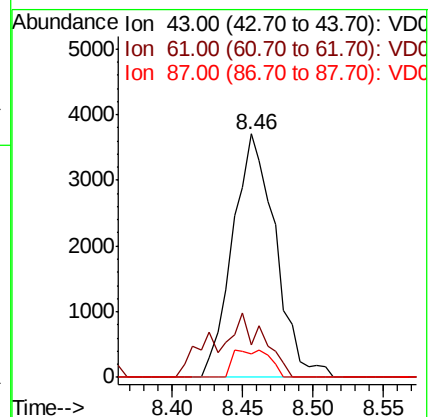
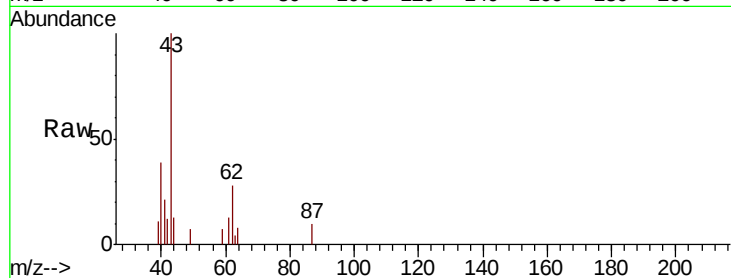
Tot Ion: 43 Resp: 7848

Ion Ratio Lower Upper

43 100

61 20.5 24.7 37.1#

87 9.5 10.6 16.0#



#44

Trichloroethene

Concen: 5.075 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD065663.D

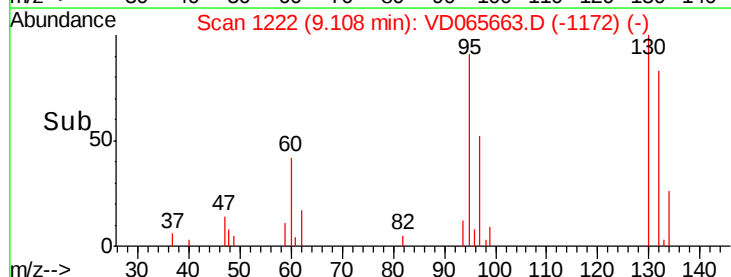
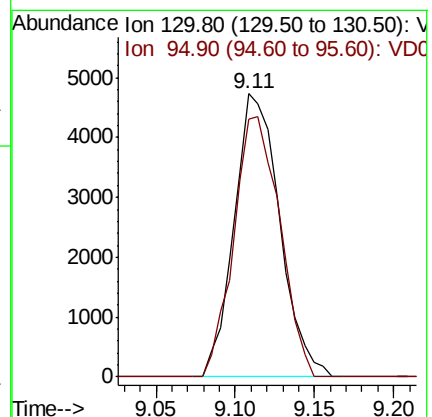
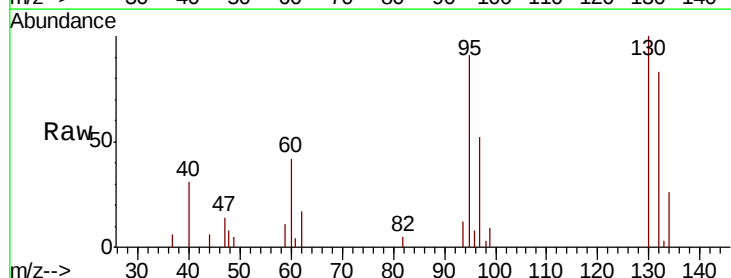
Acq: 22 Apr 2020 13:42

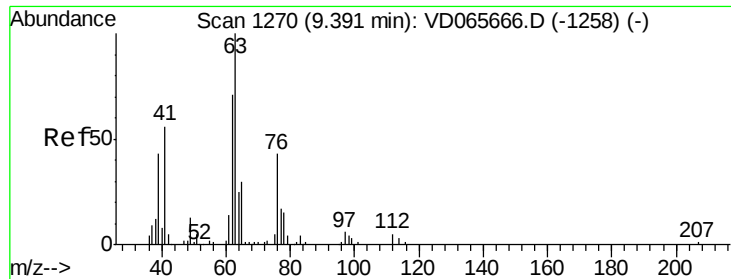
Tgt Ion: 130 Resp: 9456

Ion Ratio Lower Upper

130 100

95 91.1 0.0 183.2





#45

1,2-Dichloropropane

Concen: 4.853 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

Instrument :

MSVOA_D

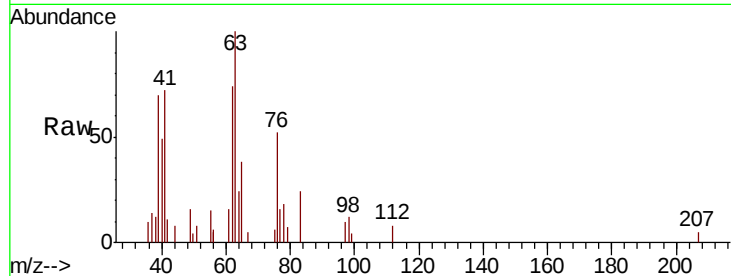
ClientSampled :

Tot Ion: 63 Resp: 7890

Ion Ratio Lower Upper

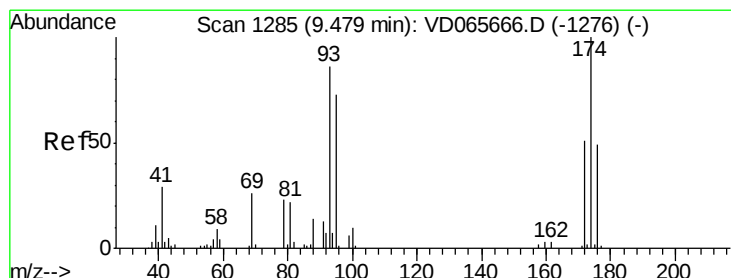
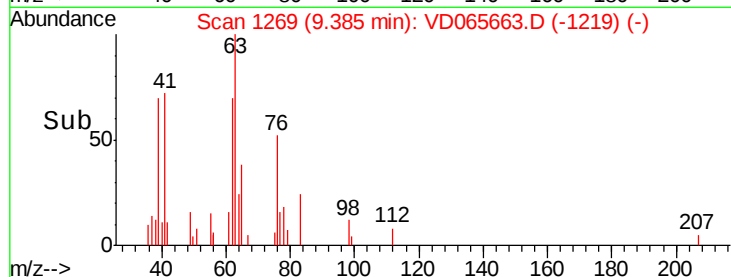
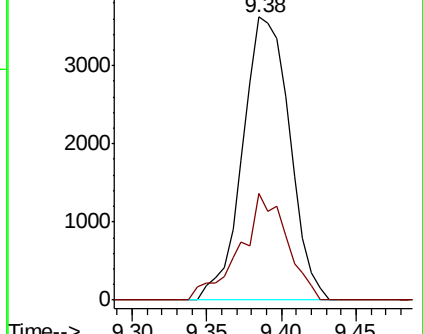
63 100

65 37.7 24.2 36.4#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 5.365 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

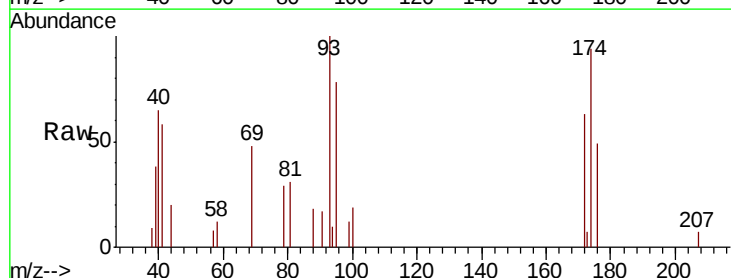
Tgt Ion: 93 Resp: 4513

Ion Ratio Lower Upper

93 100

95 81.1 66.4 99.6

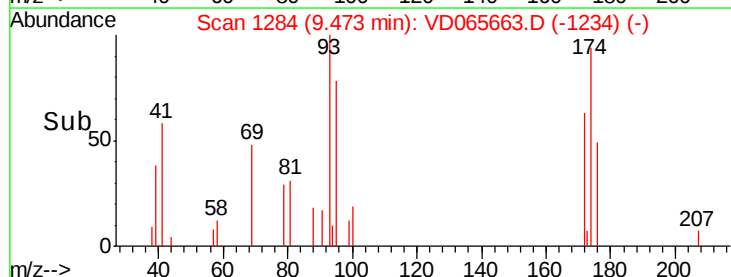
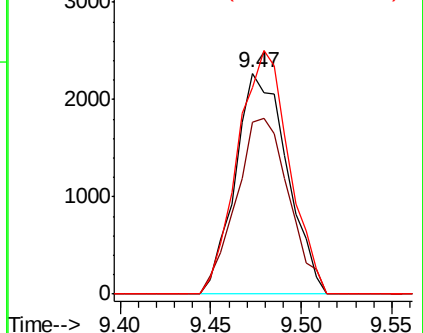
174 109.8 93.0 139.6

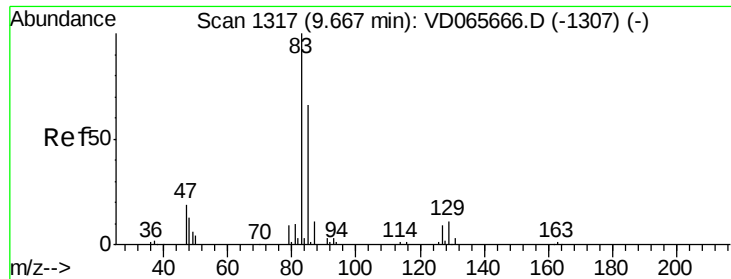


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 6.286 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :

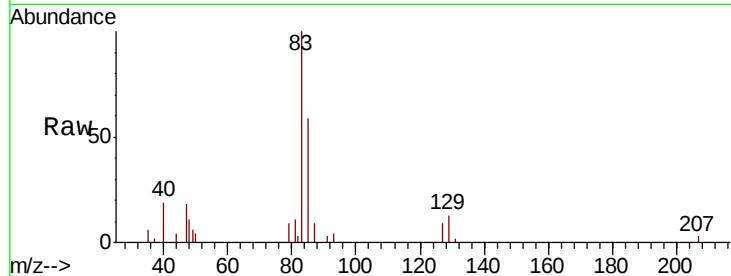
Tot Ion: 83 Resp: 14042

Ion Ratio Lower Upper

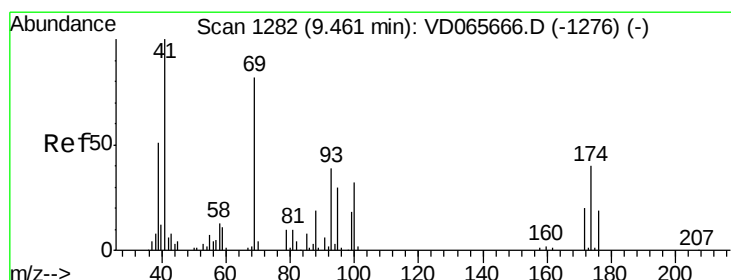
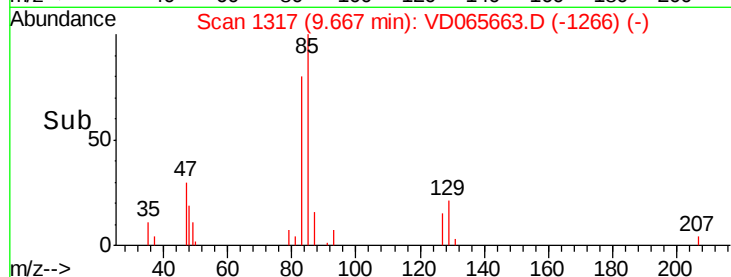
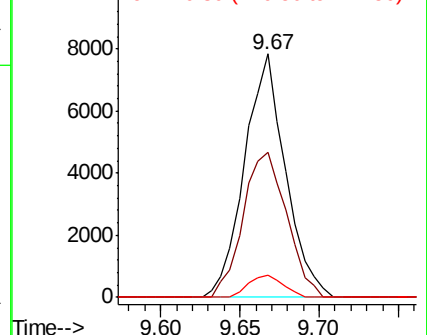
83 100

85 59.4 53.2 79.8

127 9.0 7.3 10.9



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): V



#48

Methyl methacrylate

Concen: 5.070 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

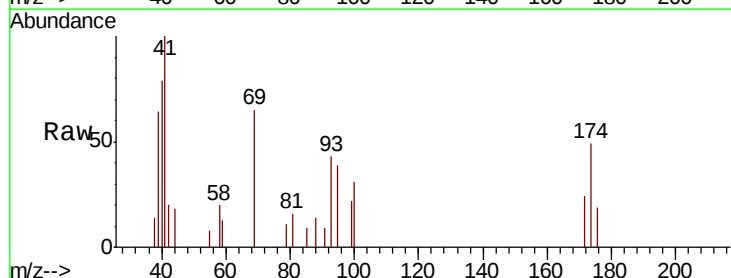
Tgt Ion: 41 Resp: 4005

Ion Ratio Lower Upper

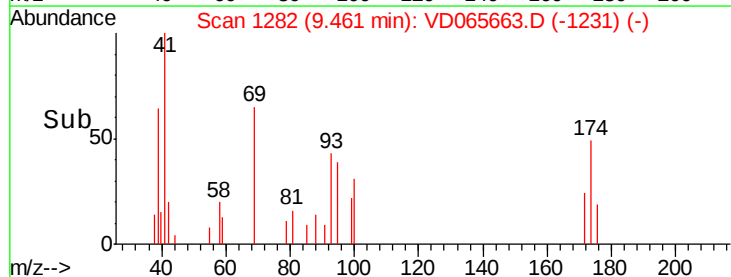
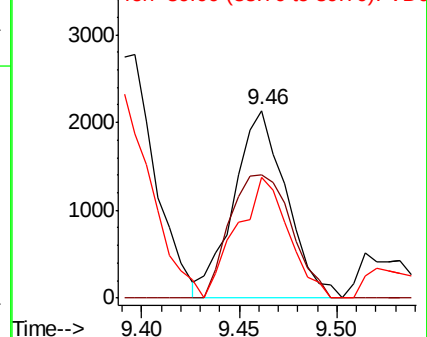
41 100

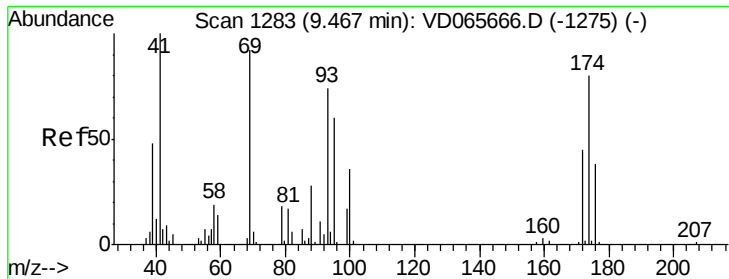
69 76.7 69.5 104.3

39 62.6 41.6 62.4#



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: 88.799 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :

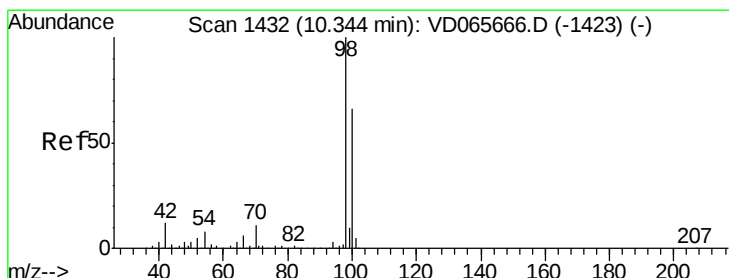
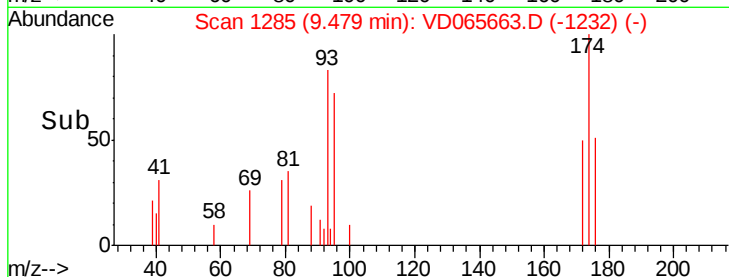
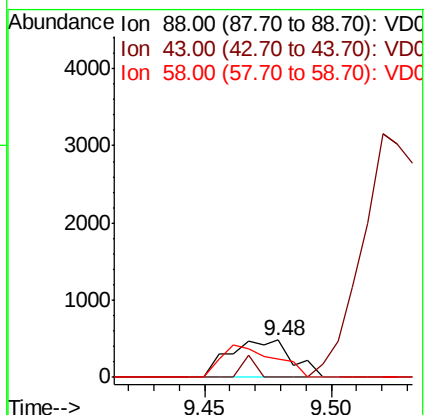
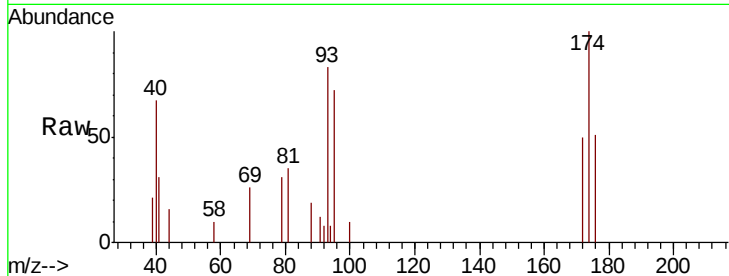
Tot Ion: 88 Resp: 824

Ion Ratio Lower Upper

88 100

43 0.0 31.3 46.9#

58 74.5 58.0 87.0



#50

Toluene-d8

Concen: 6.295 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065663.D

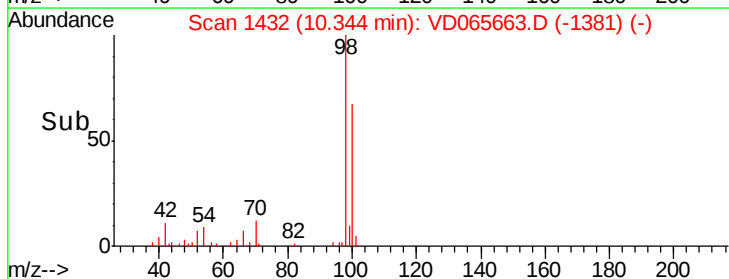
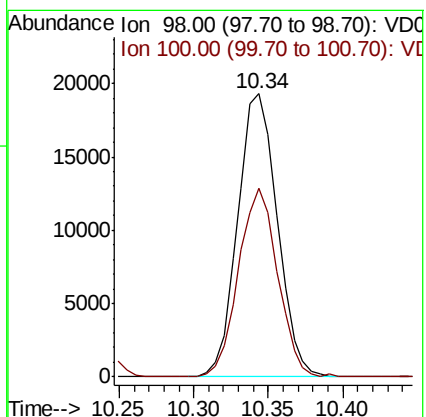
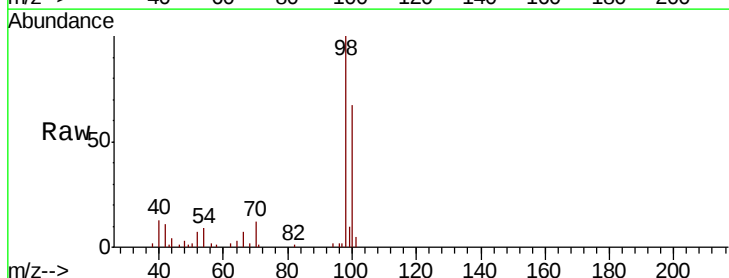
Acq: 22 Apr 2020 13:42

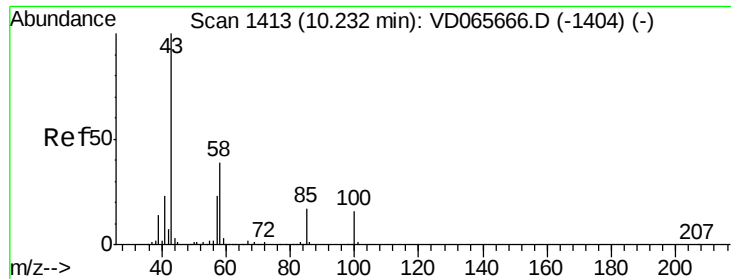
Tgt Ion: 98 Resp: 35641

Ion Ratio Lower Upper

98 100

100 65.7 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 29.976 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

Instrument :

MSVOA_D

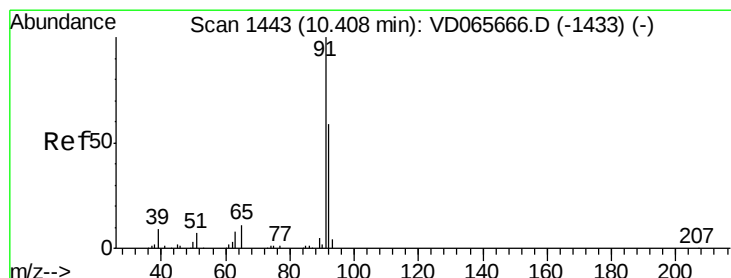
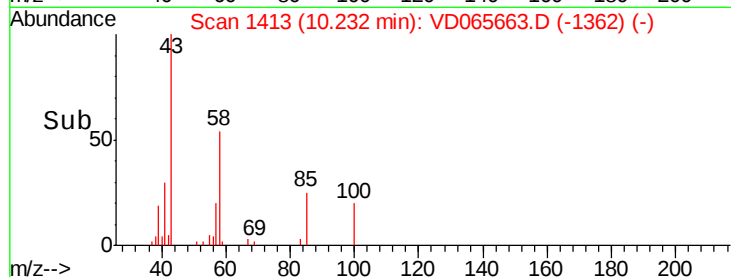
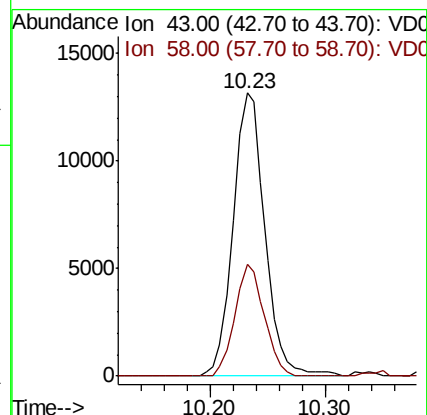
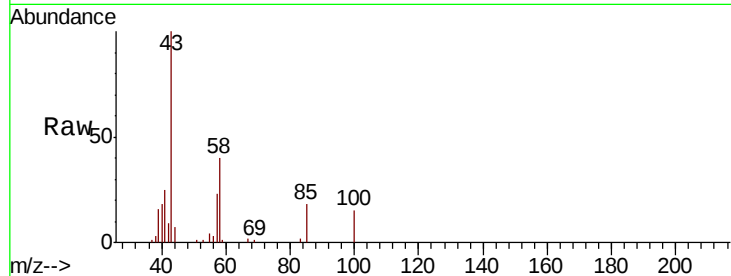
ClientSampleId :

Tot Ion: 43 Resp: 25098

Ion Ratio Lower Upper

43 100

58 36.3 31.1 46.7



#52

Toluene

Concen: 5.999 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD065663.D

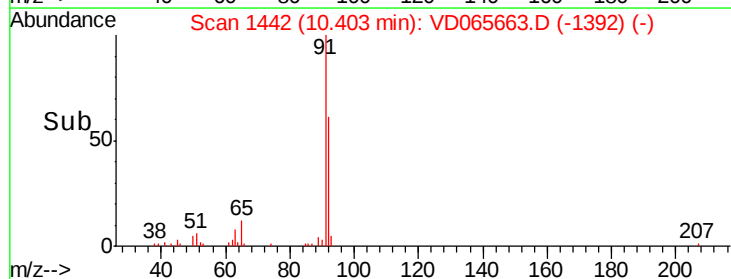
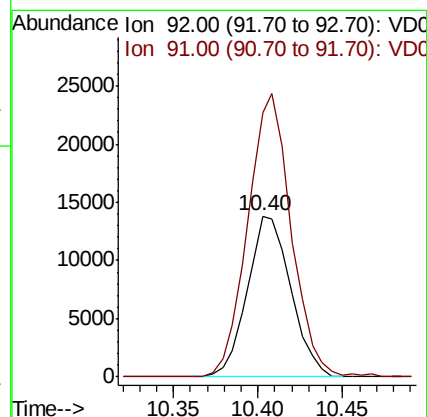
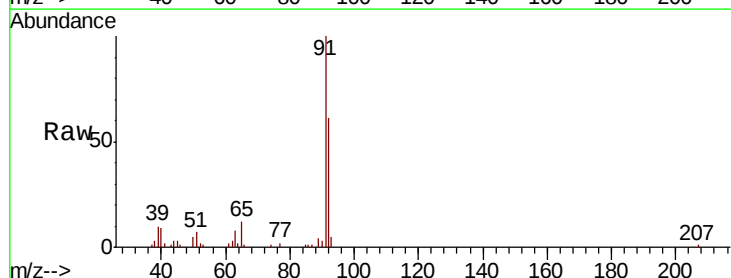
Acq: 22 Apr 2020 13:42

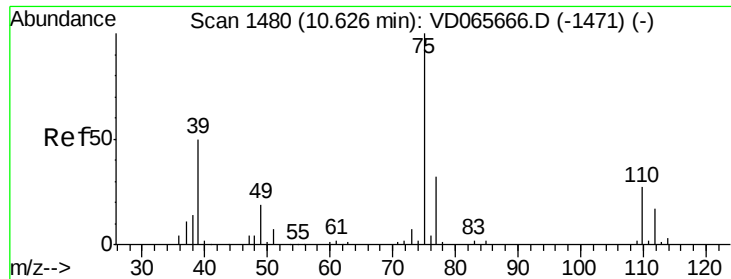
Tgt Ion: 92 Resp: 24625

Ion Ratio Lower Upper

92 100

91 176.4 135.9 203.9





#53

t-1,3-Dichloropropene

Concen: 6.076 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

Instrument :

MSVOA_D

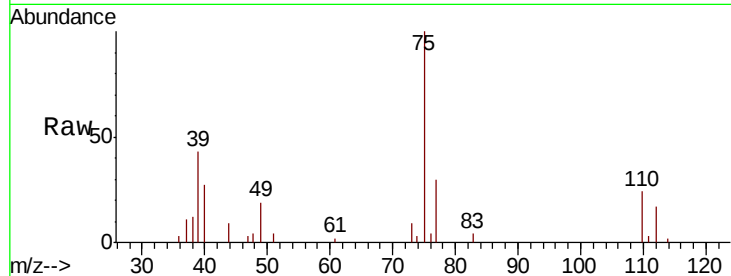
ClientSampleId :

Tot Ion: 75 Resp: 12318

Ion Ratio Lower Upper

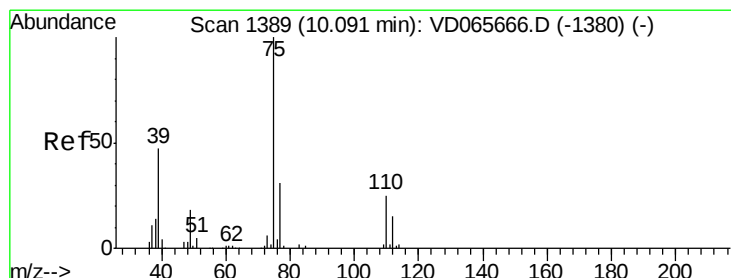
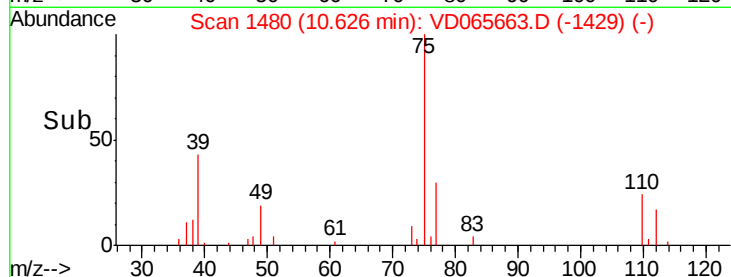
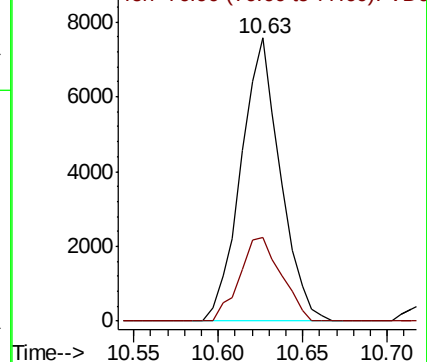
75 100

77 29.7 25.8 38.8



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: 5.922 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

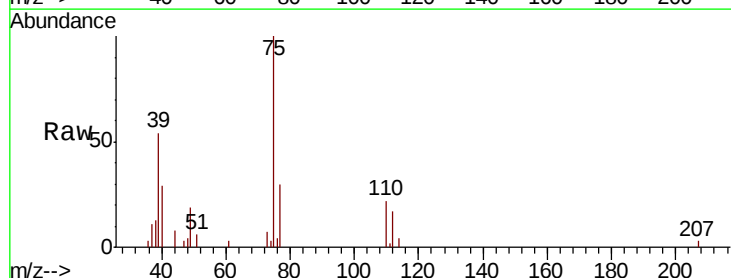
Tgt Ion: 75 Resp: 14685

Ion Ratio Lower Upper

75 100

77 30.0 25.2 37.8

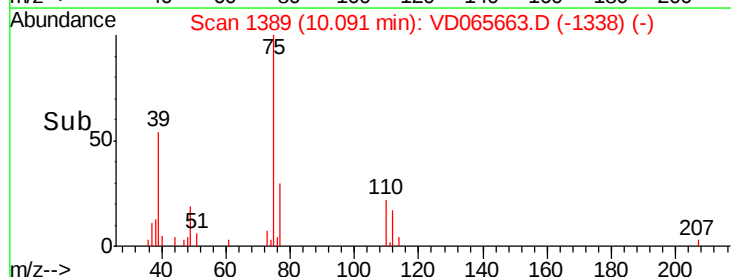
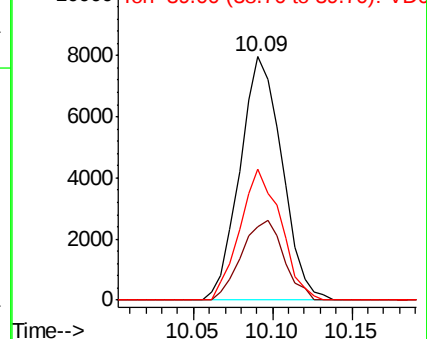
39 53.7 37.9 56.9

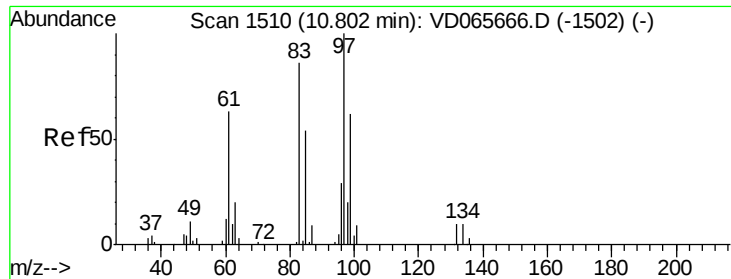


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

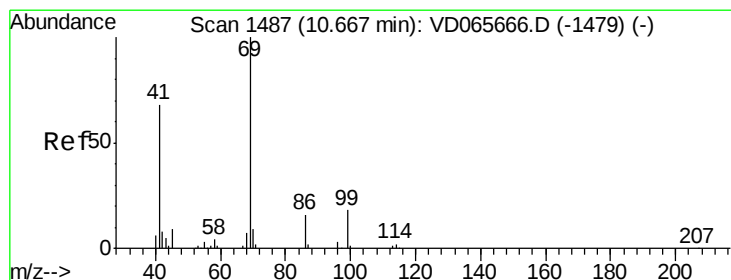
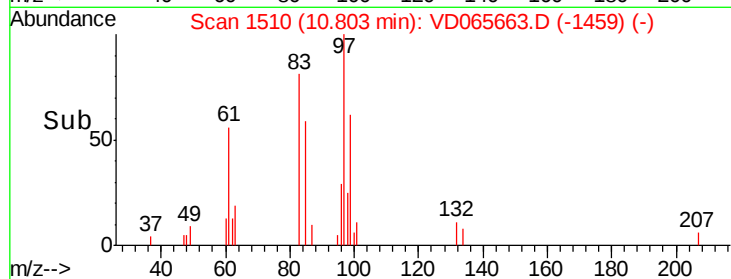
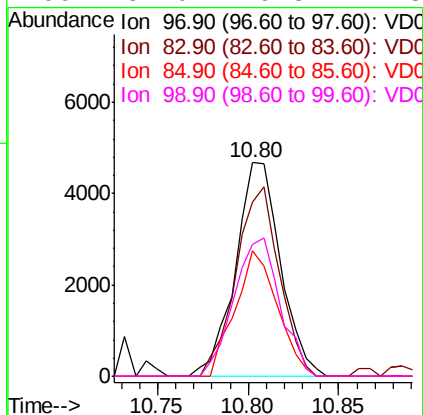
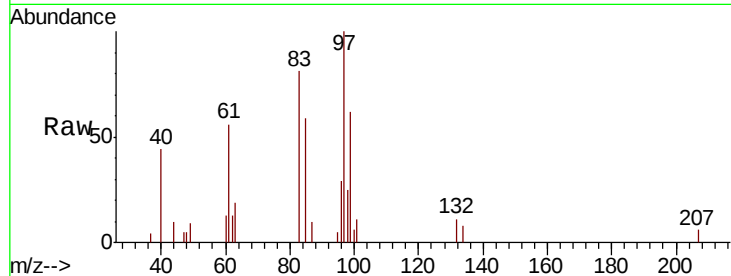




#55
 1,1,2-Trichloroethane
 Concen: 6.887 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:42

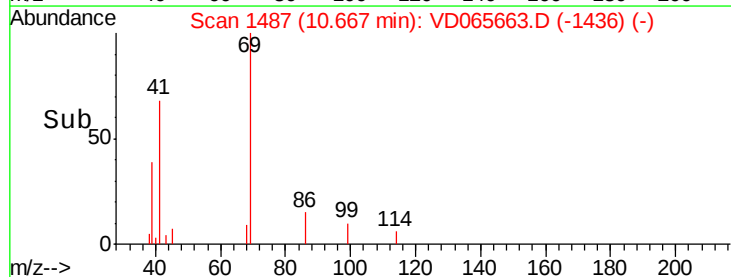
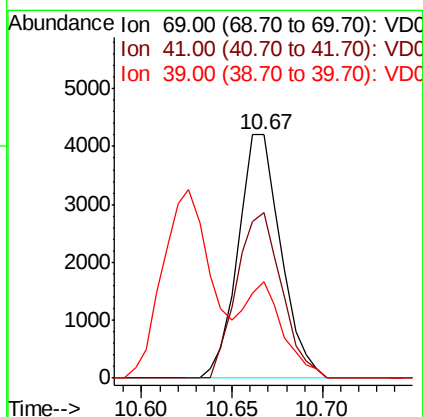
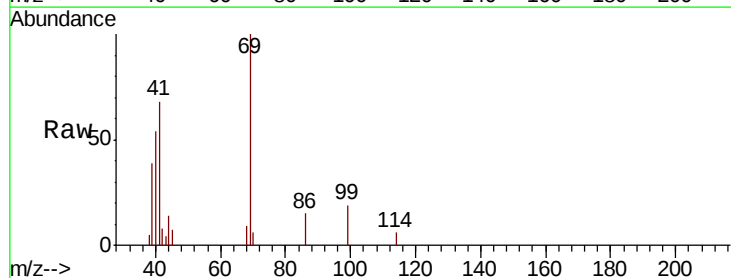
Instrument :
 MSVOA_D
 ClientSampleId :

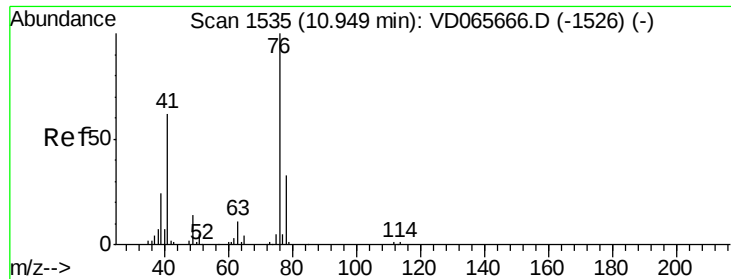
Tot Ion:	97	Resp:	8107
Ion	Ratio	Lower	Upper
97	100		
83	81.3	68.5	102.7
85	58.9	43.0	64.6
99	62.0	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 5.478 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:42

Tgt Ion:	69	Resp:	6919
Ion	Ratio	Lower	Upper
69	100		
41	71.5	58.3	87.5
39	36.2	29.5	44.3





#57

1,3-Dichloropropane

Concen: 6.491 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

Instrument :

MSVOA_D

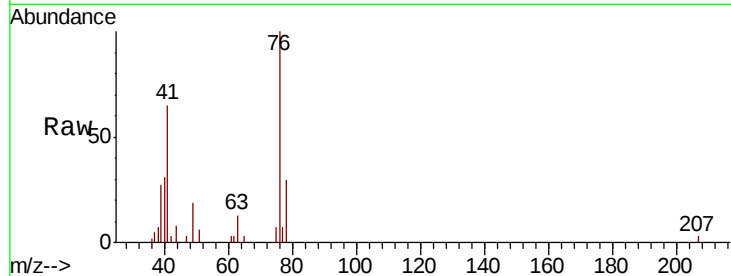
ClientSampleId :

Tot Ion: 76 Resp: 13012

Ion Ratio Lower Upper

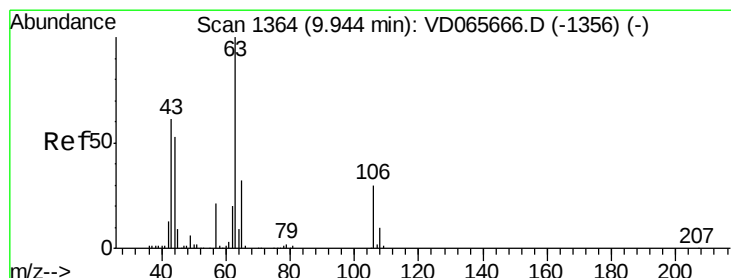
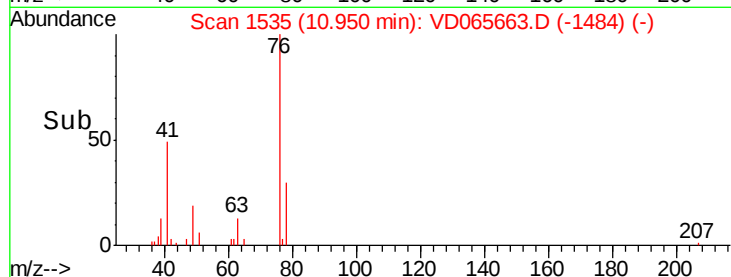
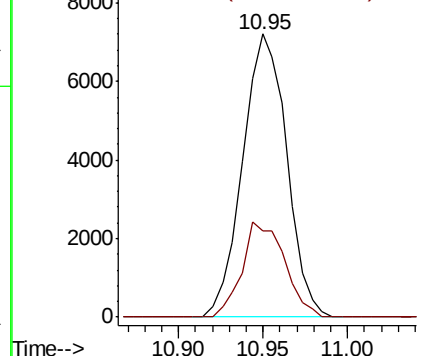
76 100

78 32.4 25.9 38.9



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: 25.354 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD065663.D

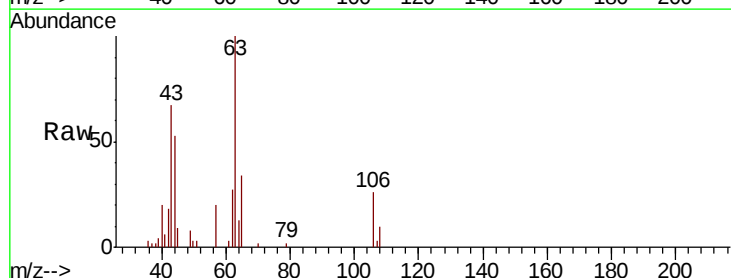
Acq: 22 Apr 2020 13:42

Tgt Ion: 63 Resp: 16931

Ion Ratio Lower Upper

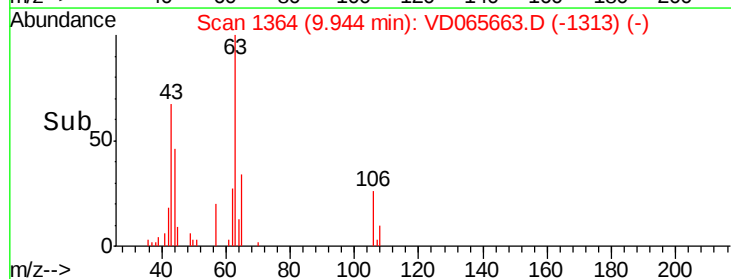
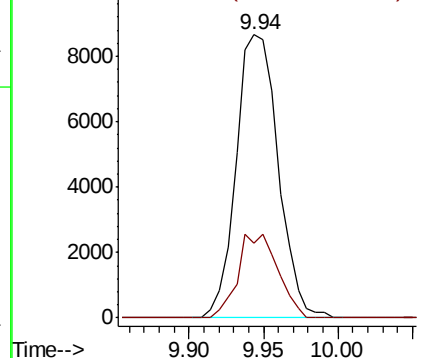
63 100

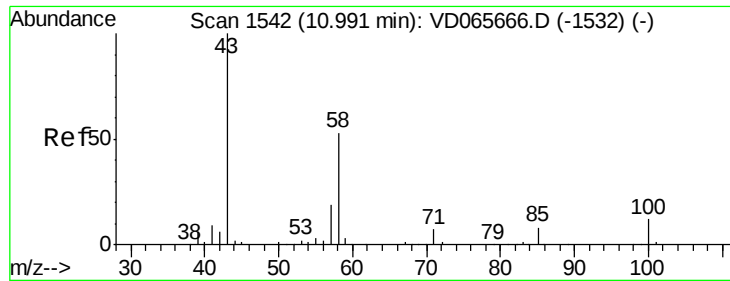
106 28.1 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

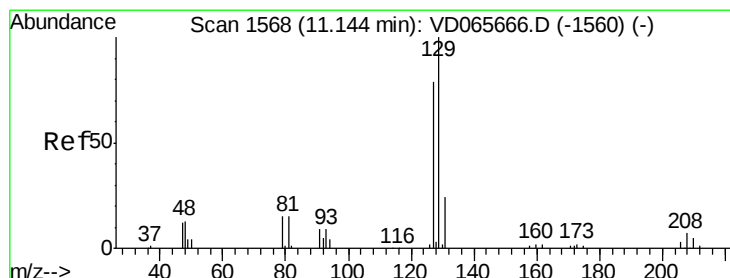
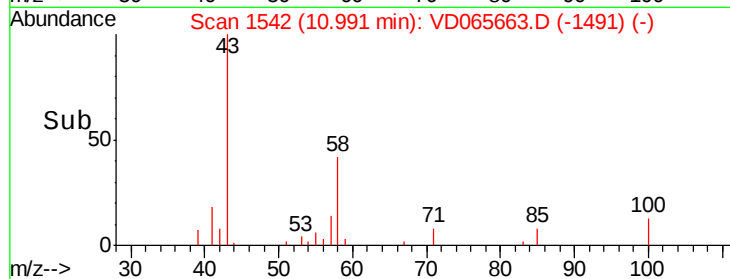
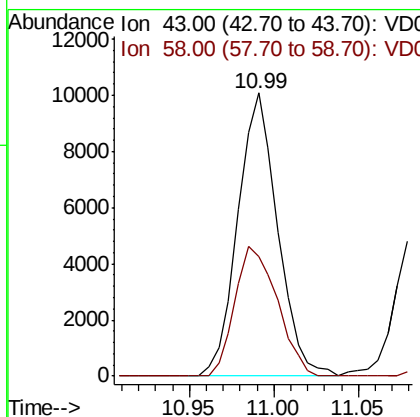
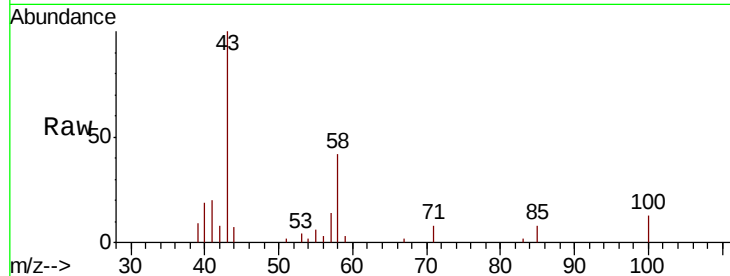




#59
2-Hexanone
Concen: 29.084 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

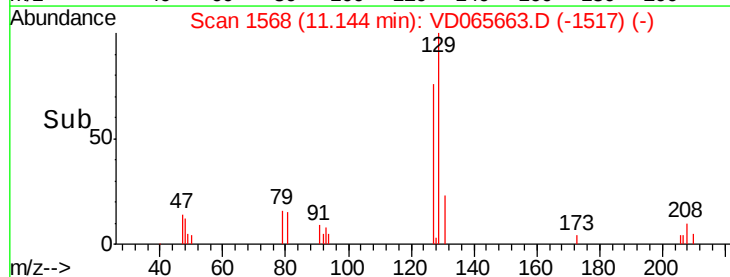
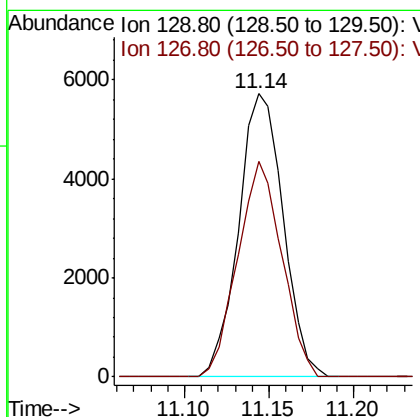
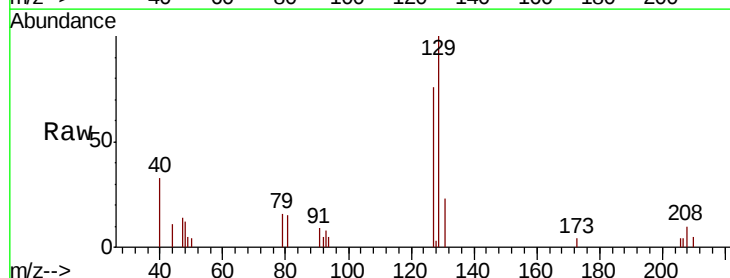
Instrument :
MSVOA_D
ClientSampled :

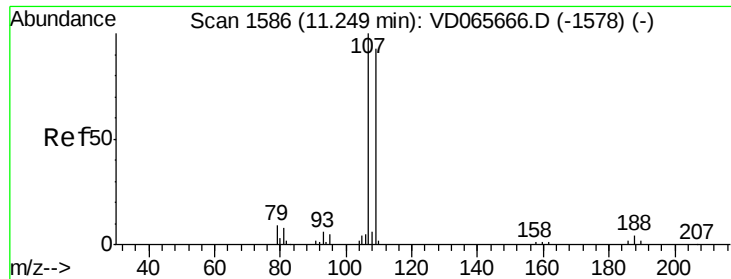
Tot Ion: 43 Resp: 16522
Ion Ratio Lower Upper
43 100
58 48.7 26.3 78.9



#60
Dibromochloromethane
Concen: 6.710 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

Tgt Ion: 129 Resp: 10492
Ion Ratio Lower Upper
129 100
127 75.4 38.5 115.5

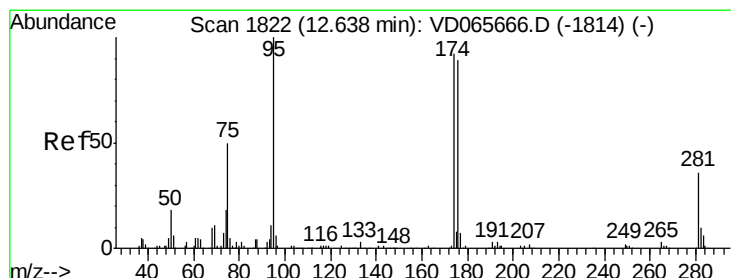
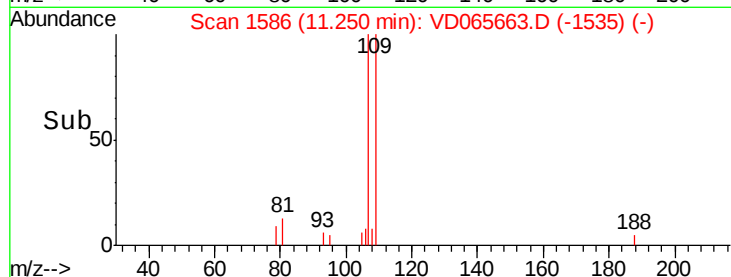
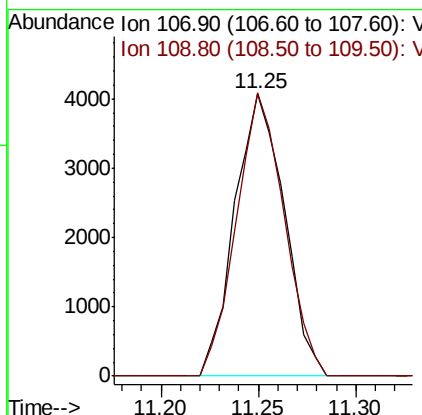
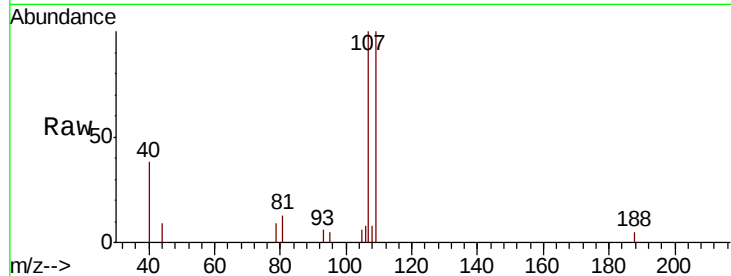




#61
 1,2-Dibromoethane
 Concen: 6.284 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:42

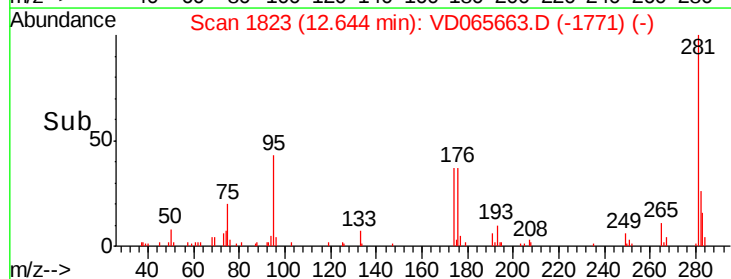
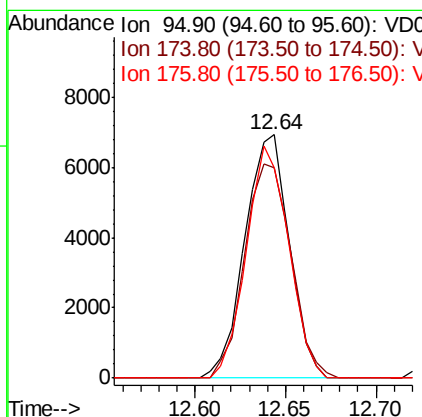
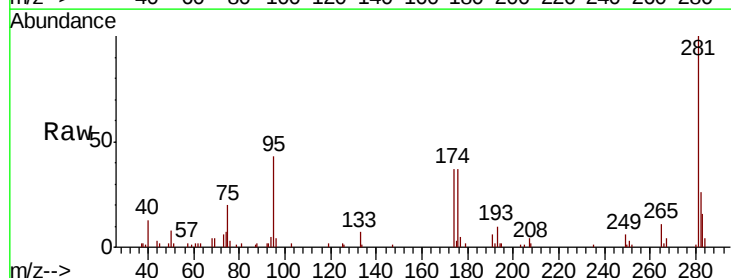
Instrument :
 MSVOA_D
 ClientSampleId :

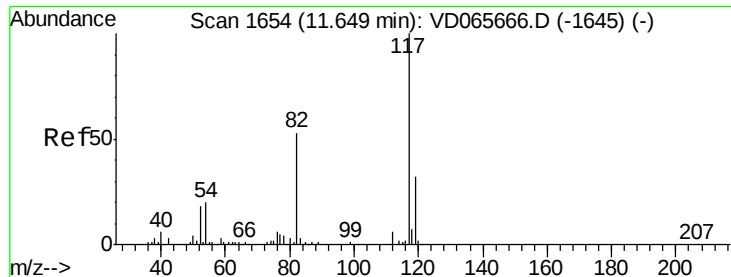
Tot Ion: 107 Resp: 7156
 Ion Ratio Lower Upper
 107 100
 109 96.9 76.4 114.6



#62
 4-Bromofluorobenzene
 Concen: 6.343 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:42

Tgt Ion: 95 Resp: 11830
 Ion Ratio Lower Upper
 95 100
 174 91.9 0.0 186.4
 176 90.8 0.0 178.4

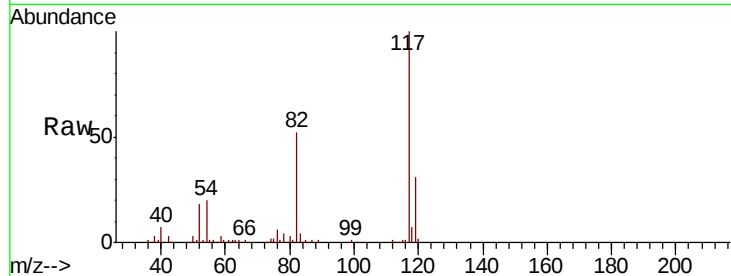




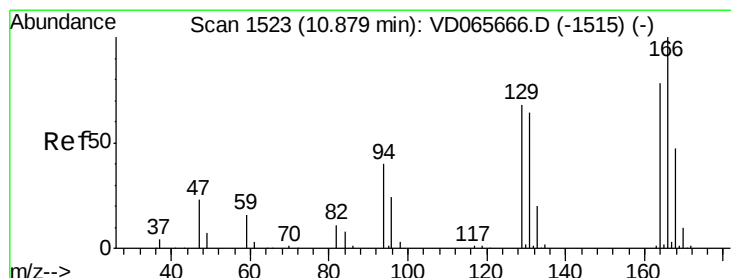
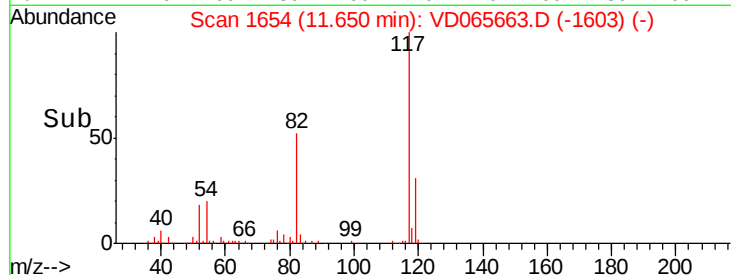
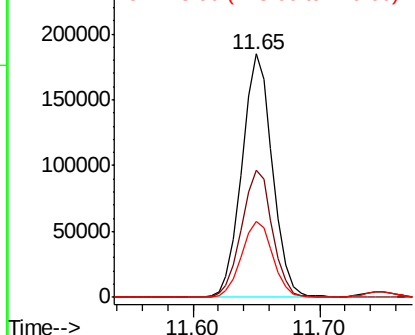
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 308673
Ion Ratio Lower Upper
117 100
82 52.1 42.7 64.1
119 31.2 25.9 38.9

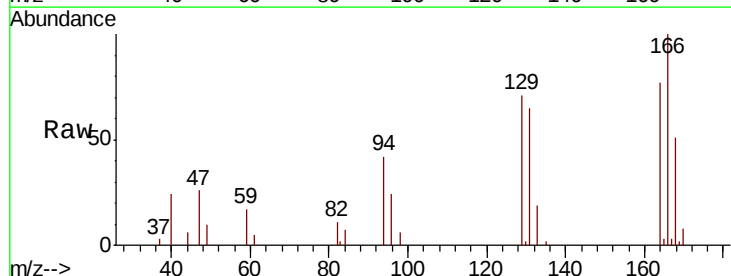


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

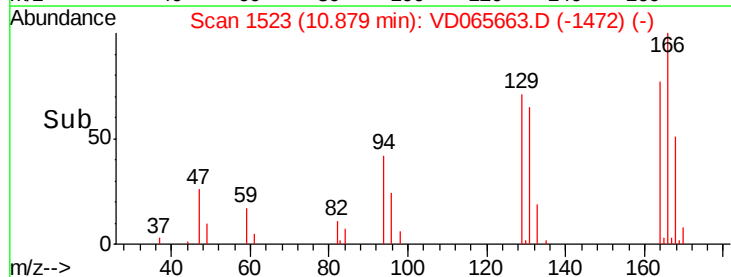
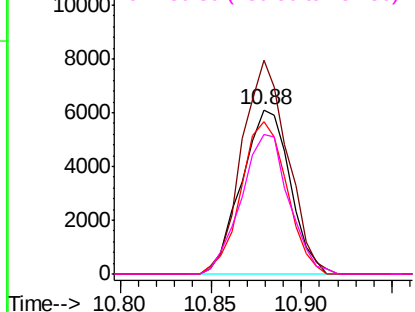


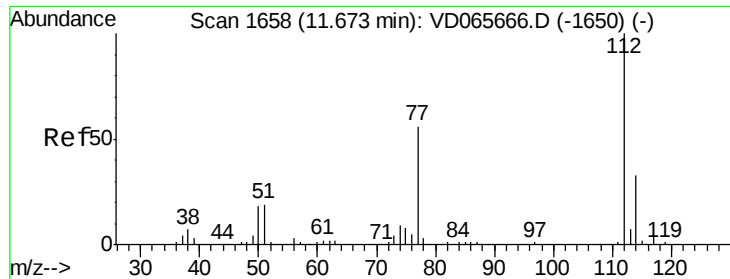
#64
Tetrachloroethene
Concen: 5.300 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

Tgt Ion:164 Resp: 11320
Ion Ratio Lower Upper
164 100
166 130.2 102.0 153.0
129 93.0 69.3 103.9
131 85.0 65.6 98.4



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

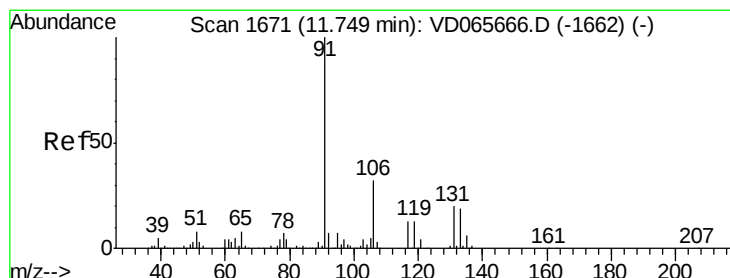
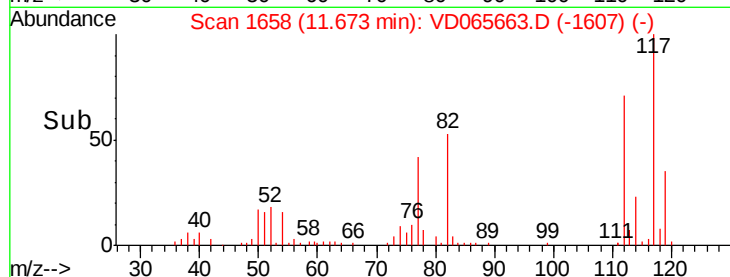
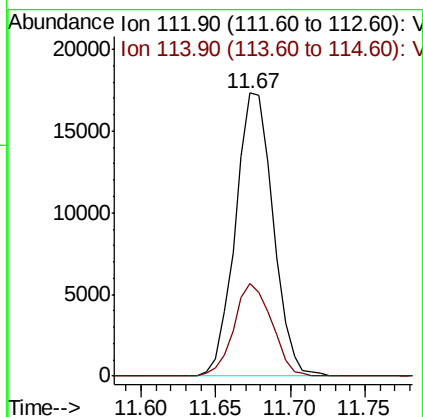
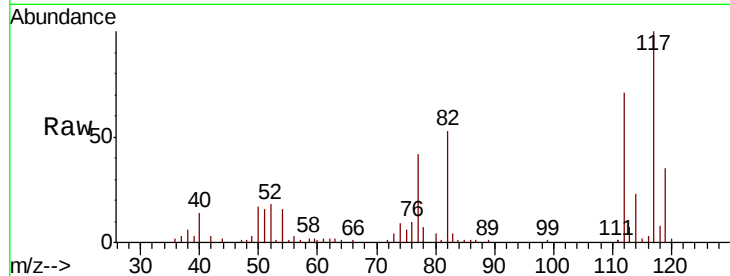




#65
Chlorobenzene
Concen: 5.144 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

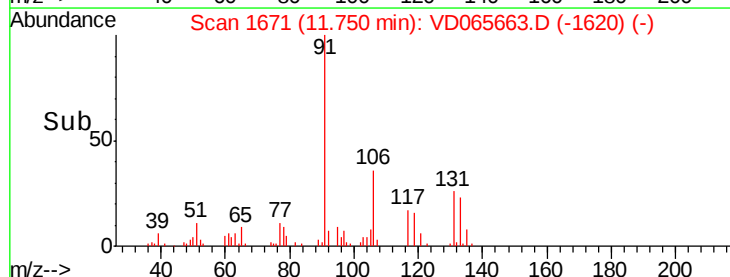
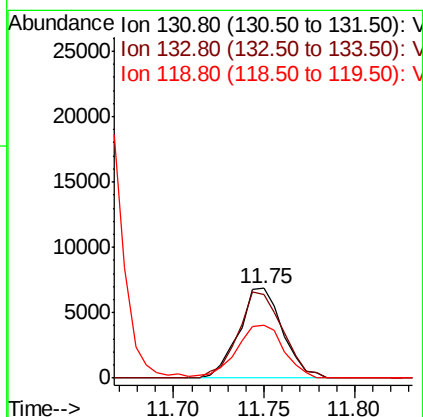
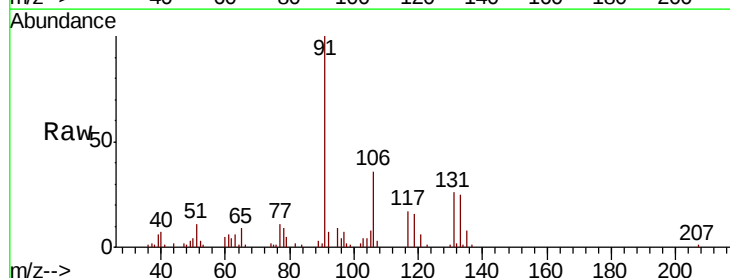
Instrument :
MSVOA_D
ClientSampled :

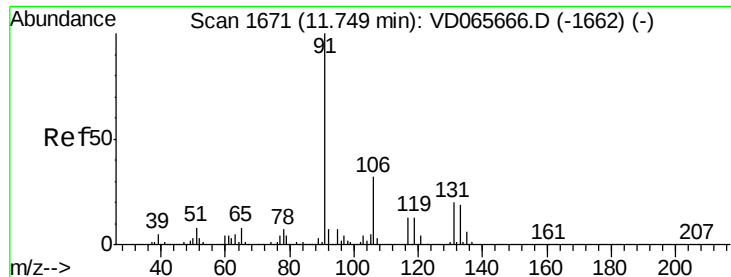
Tot Ion:112 Resp: 30491
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 5.094 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

Tgt Ion:131 Resp: 11538
Ion Ratio Lower Upper
131 100
133 97.7 48.6 145.8
119 64.6 32.3 96.9

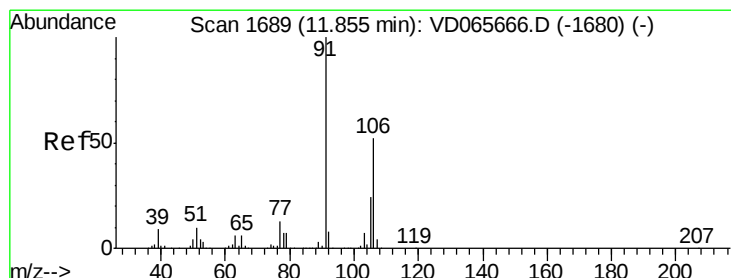
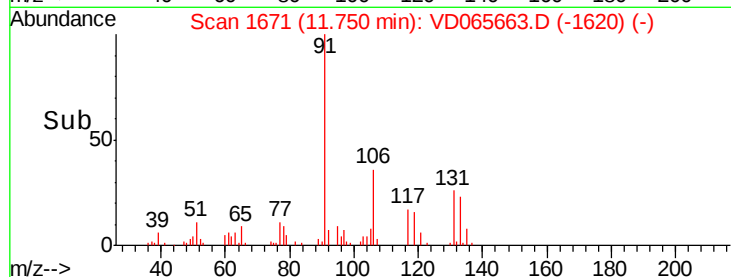
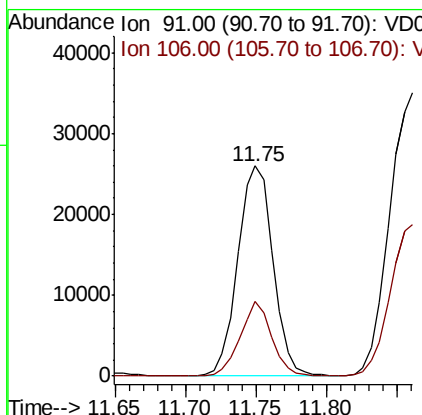
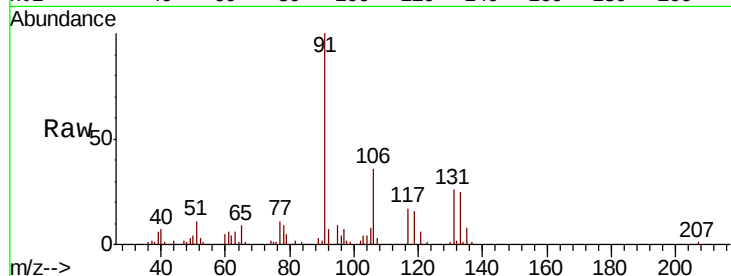




#67
Ethyl Benzene
Concen: 4.480 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

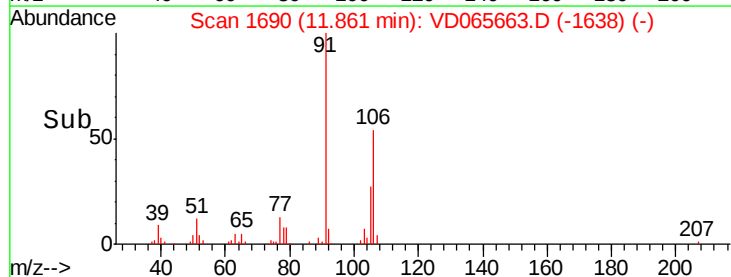
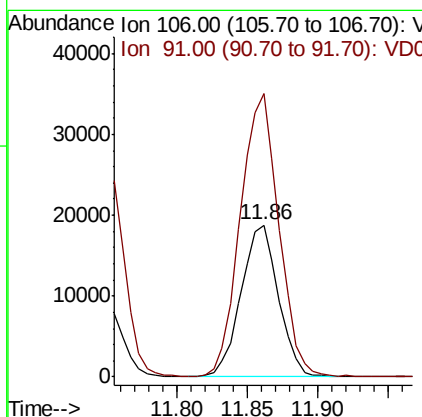
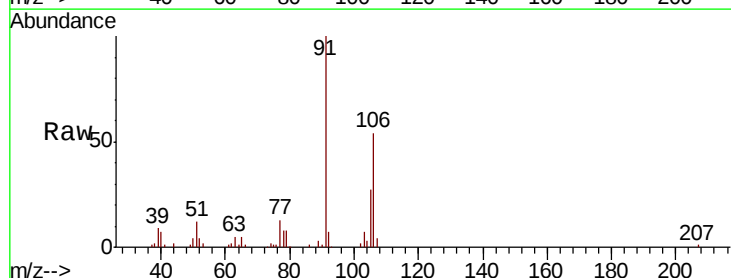
Instrument :
MSVOA_D
ClientSampled :

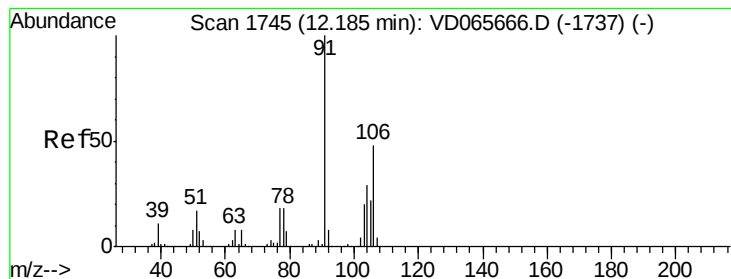
Tot Ion: 91 Resp: 45373
Ion Ratio Lower Upper
91 100
106 35.8 25.3 37.9



#68
m/p-Xylenes
Concen: 8.886 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

Tgt Ion: 106 Resp: 34815
Ion Ratio Lower Upper
106 100
91 191.9 155.8 233.6





#69

o-Xylene

Concen: 4.158 ug/l

RT: 12.19 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

Instrument :

MSVOA_D

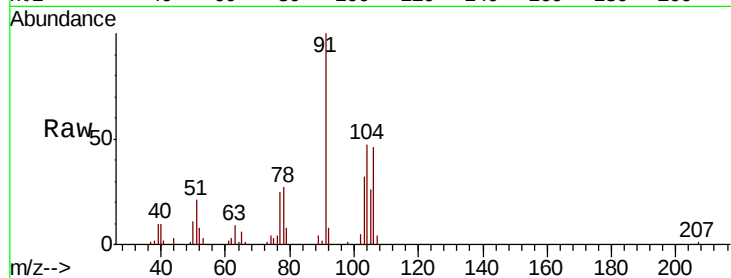
ClientSampled :

Tot Ion:106 Resp: 14190

Ion Ratio Lower Upper

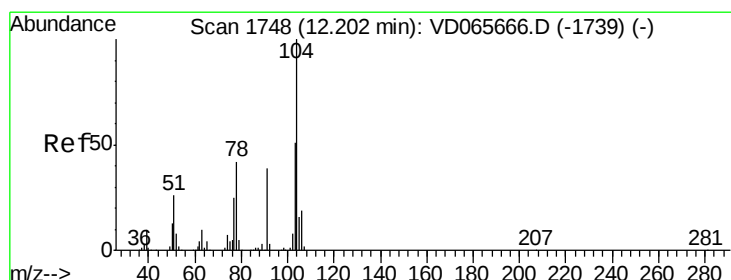
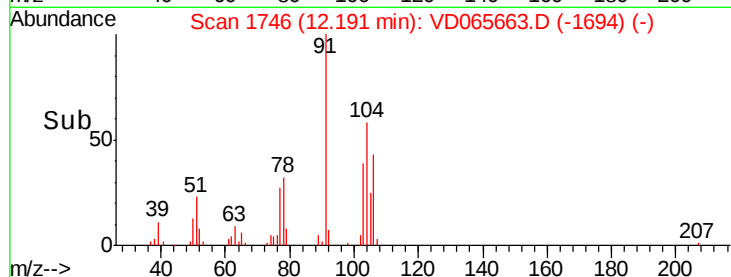
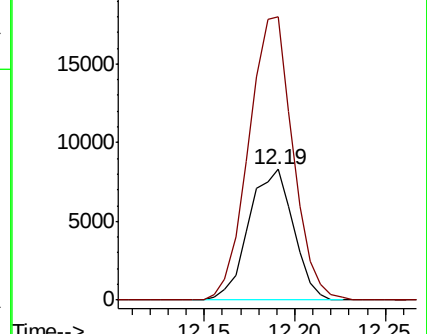
106 100

91 215.0 103.6 310.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V



#70

Styrene

Concen: 4.136 ug/l

RT: 12.20 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

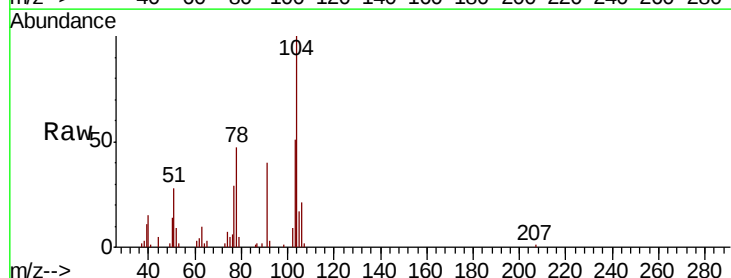
Tgt Ion:104 Resp: 25011

Ion Ratio Lower Upper

104 100

78 47.4 37.4 56.0

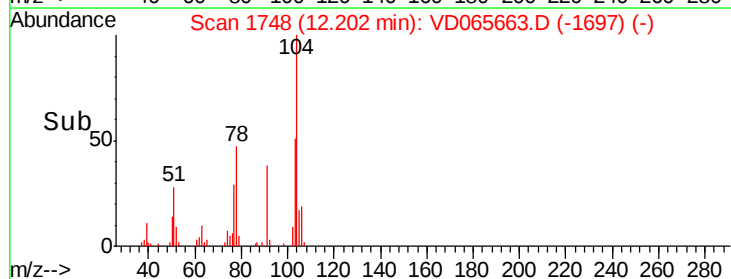
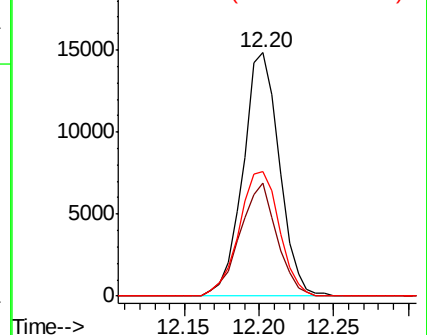
103 56.5 43.6 65.4

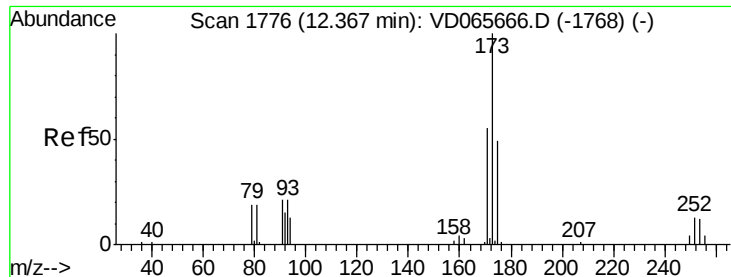


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V

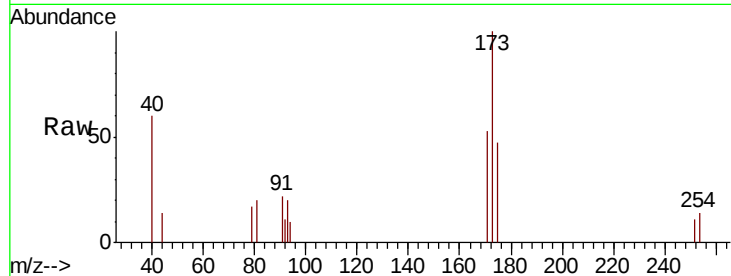




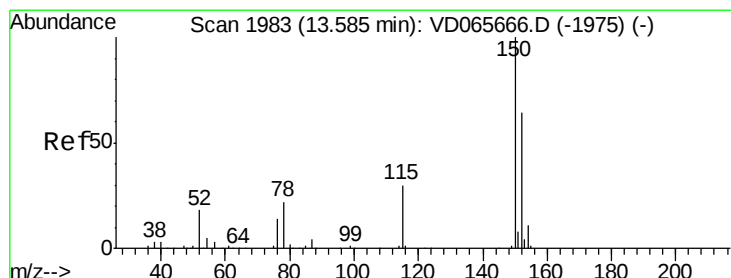
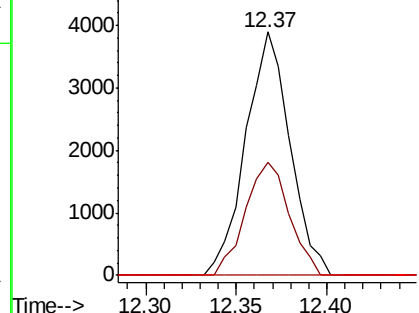
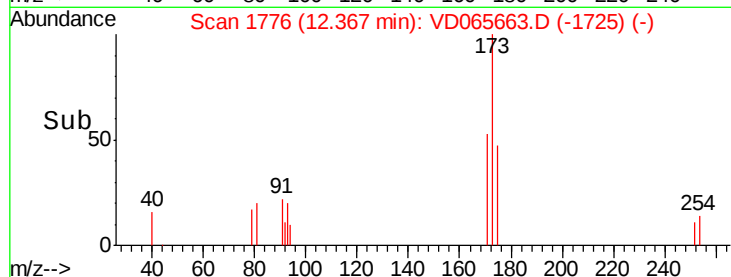
#71
 Bromoform
 Concen: 5.204 ug/l
 RT: 12.37 min Scan# 1776
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:42

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:173 Resp: 6602
 Ion Ratio Lower Upper
 173 100
 175 46.1 23.9 71.7
 254 0.0 0.0 0.0

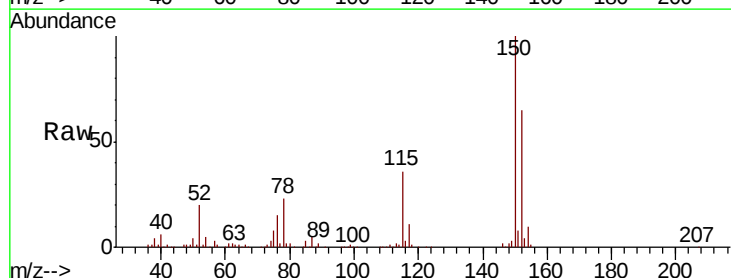


Abundance Ion 172.70 (172.40 to 173.40): V
 Ion 174.70 (174.40 to 175.40): V
 Ion 254.40 (254.10 to 255.10): V

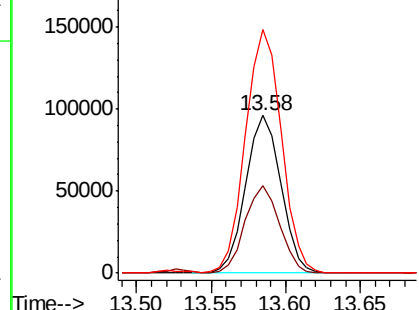
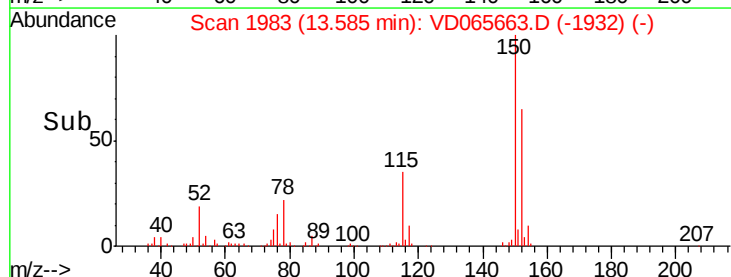


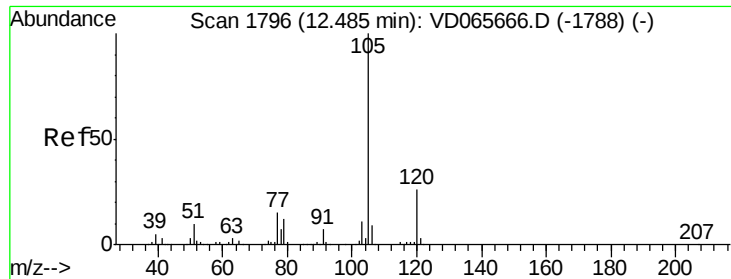
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:42

Tgt Ion:152 Resp: 157230
 Ion Ratio Lower Upper
 152 100
 115 54.5 27.4 82.0
 150 157.2 0.0 339.0



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

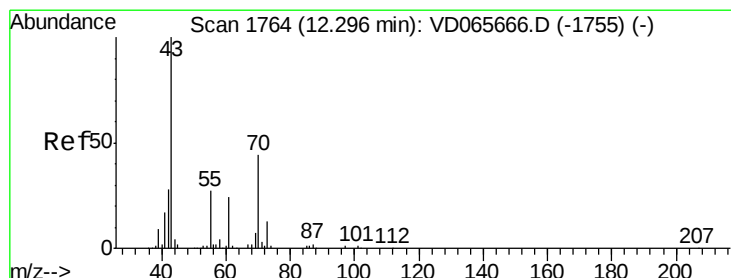
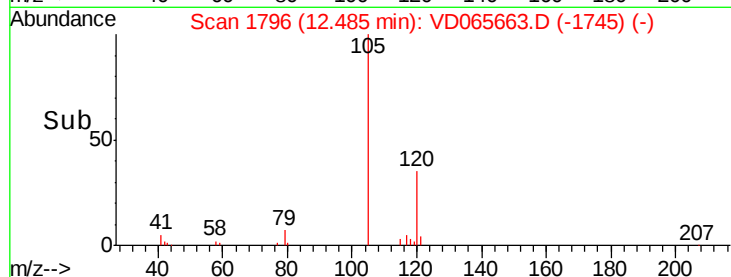
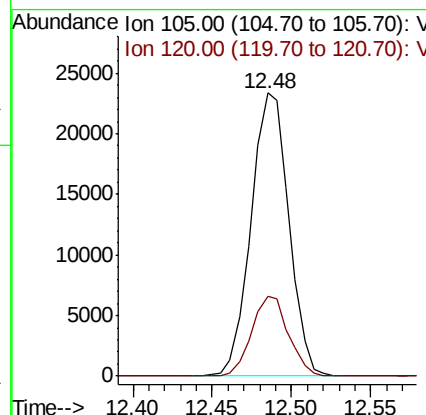
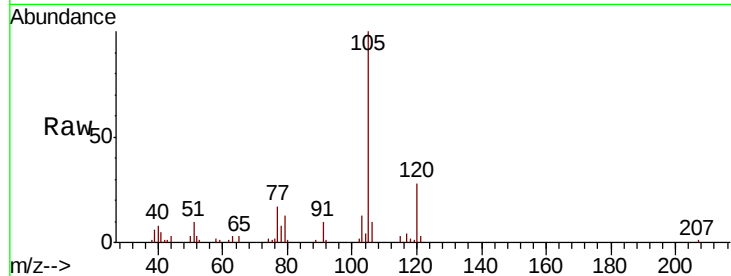




#73
Isopropylbenzene
Concen: 4.231 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

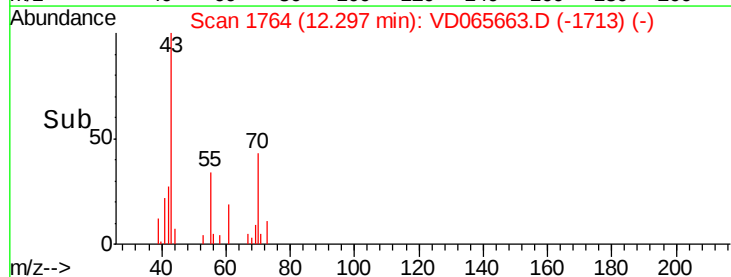
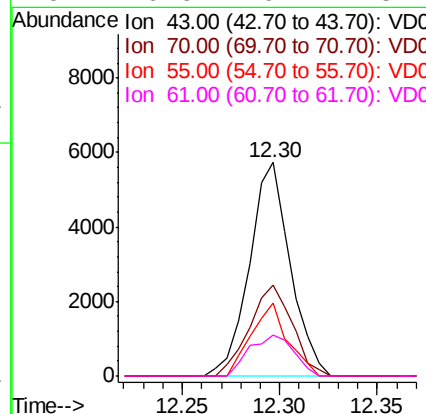
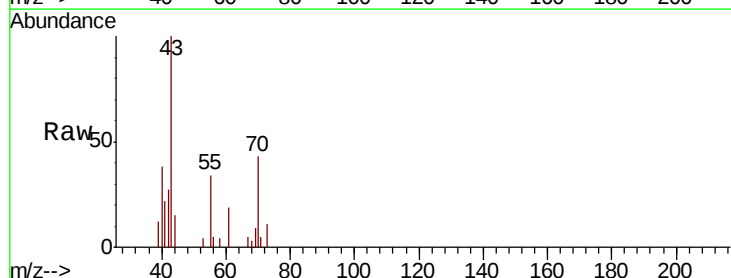
Instrument :
MSVOA_D
ClientSampled :

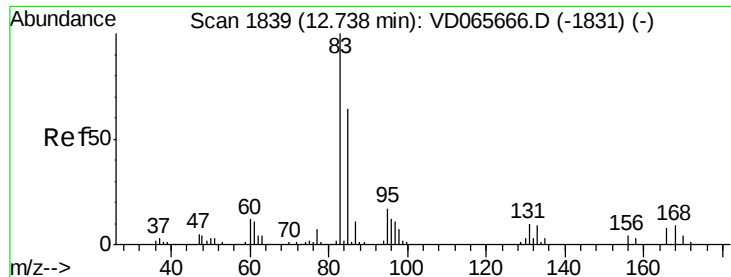
Tot Ion:105 Resp: 38786
Ion Ratio Lower Upper
105 100
120 27.3 13.4 40.2



#74
N-ethyl acetate
Concen: 4.290 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

Tgt Ion: 43 Resp: 8285
Ion Ratio Lower Upper
43 100
70 44.7 34.6 51.8
55 30.6 22.3 33.5
61 20.6 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 5.248 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :

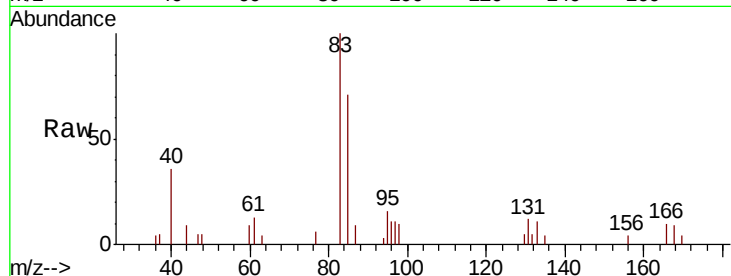
Tot Ion: 83 Resp: 8708

Ion Ratio Lower Upper

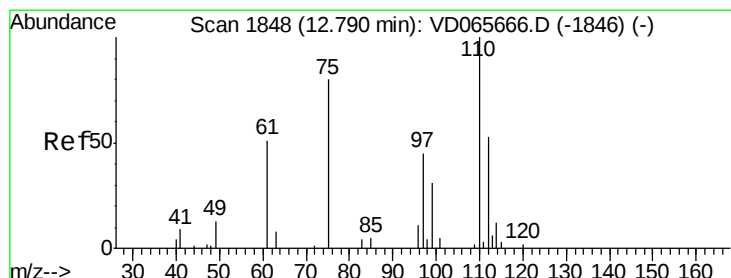
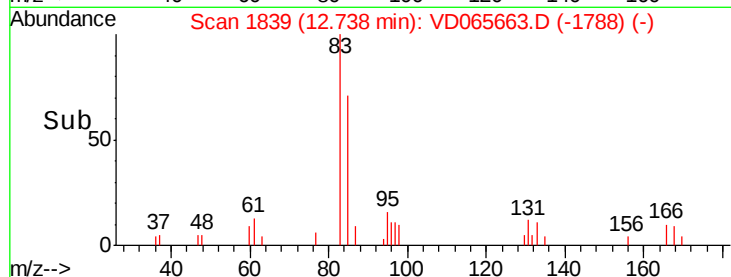
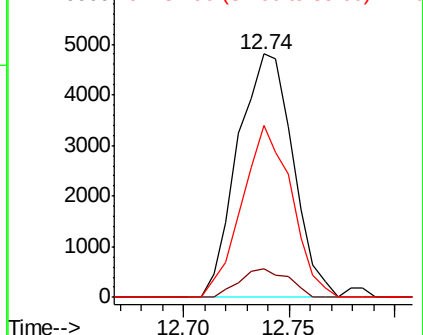
83 100

131 10.4 5.7 17.1

85 63.8 31.9 95.9



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



#76

1,2,3-Trichloropropane

Concen: 8.960 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065663.D

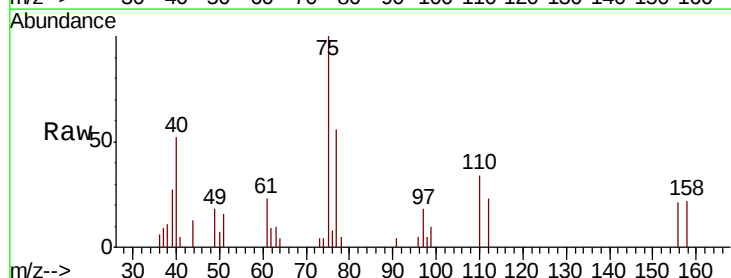
Acq: 22 Apr 2020 13:42

Tgt Ion: 75 Resp: 10626

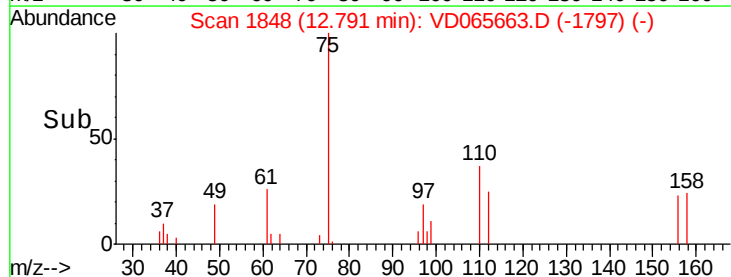
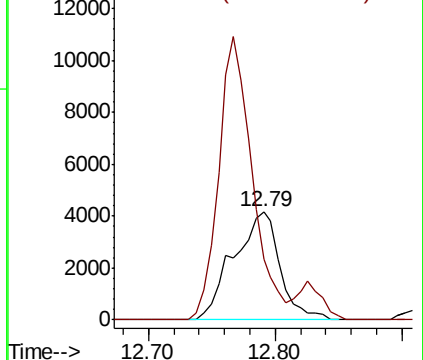
Ion Ratio Lower Upper

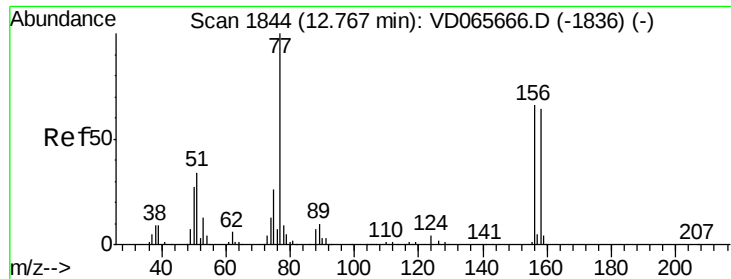
75 100

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: 4.835 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :

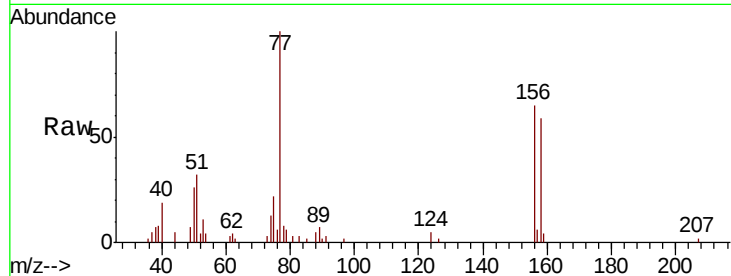
Tot Ion:156 Resp: 11729

Ion Ratio Lower Upper

156 100

77 170.3 85.8 257.3

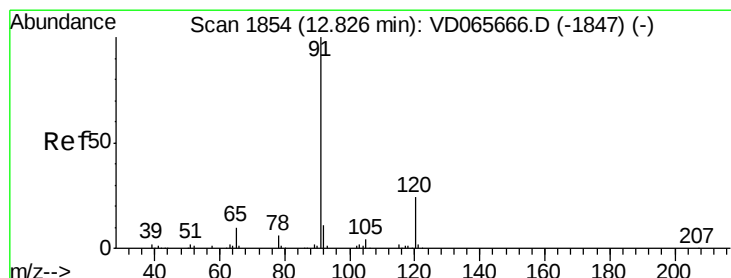
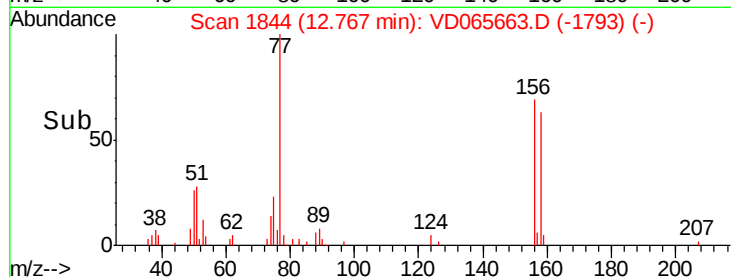
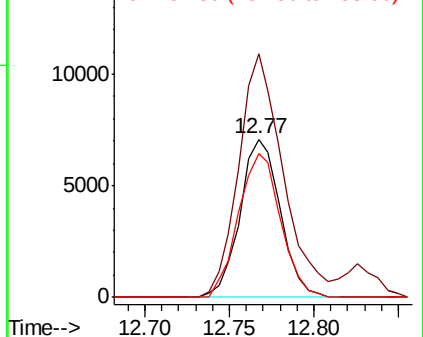
158 95.2 49.9 149.6



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: 4.159 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065663.D

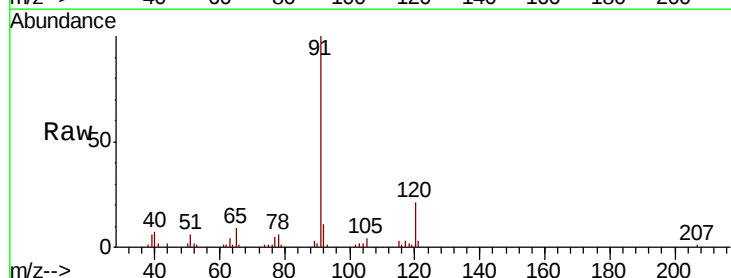
Acq: 22 Apr 2020 13:42

Tgt Ion: 91 Resp: 46125

Ion Ratio Lower Upper

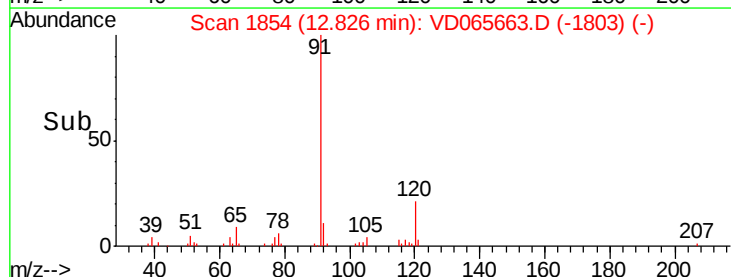
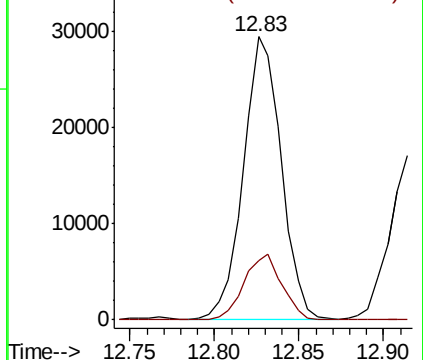
91 100

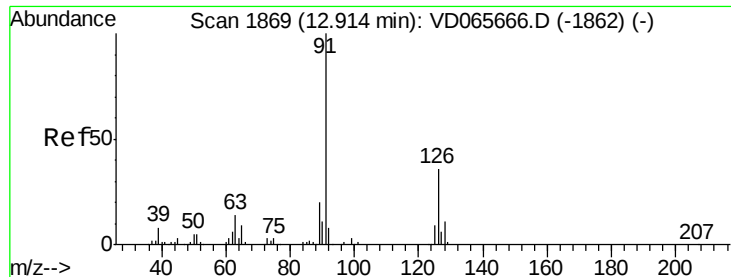
120 23.0 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

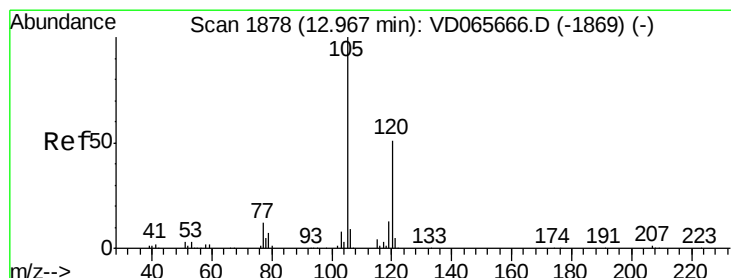
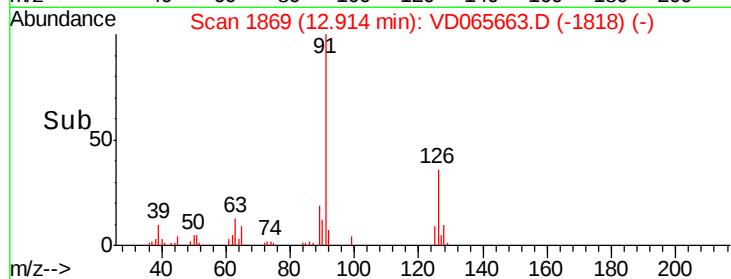
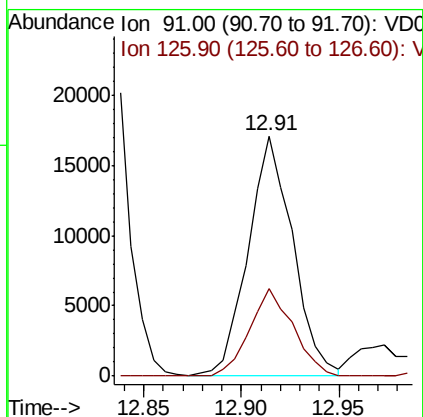
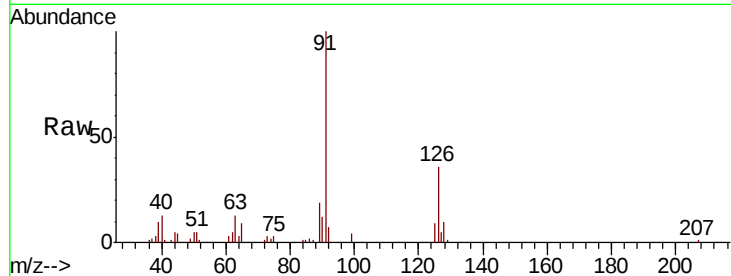




#79
2-Chlorotoluene
Concen: 4.298 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

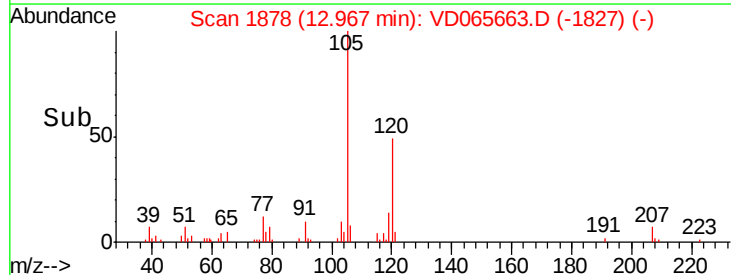
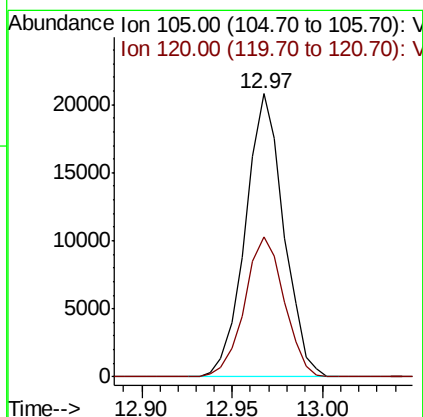
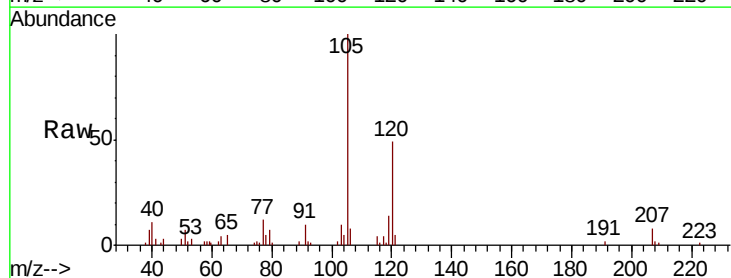
Instrument :
MSVOA_D
ClientSampleId :

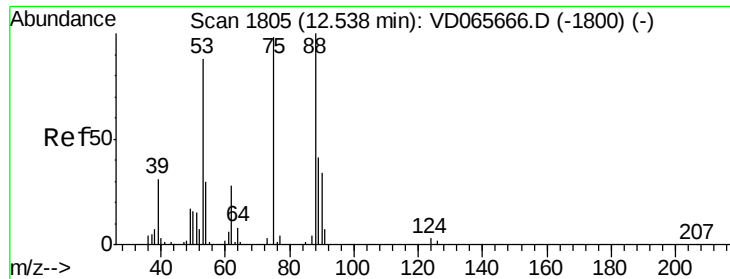
Tot Ion: 91 Resp: 27118
Ion Ratio Lower Upper
91 100
126 35.5 17.8 53.3



#80
1,3,5-Trimethylbenzene
Concen: 3.946 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

Tgt Ion:105 Resp: 30555
Ion Ratio Lower Upper
105 100
120 51.0 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 4.709 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :

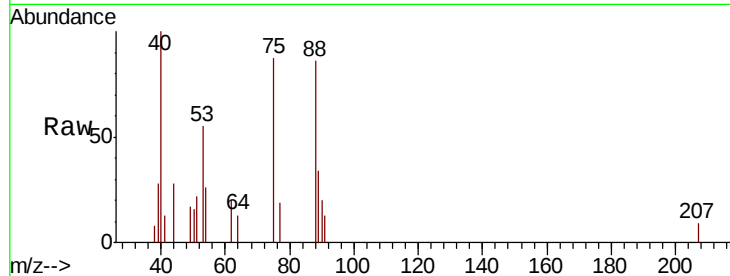
Tot Ion: 75 Resp: 2615

Ion Ratio Lower Upper

75 100

53 93.7 76.5 114.7

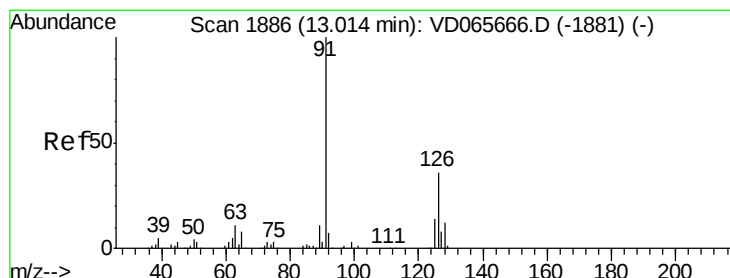
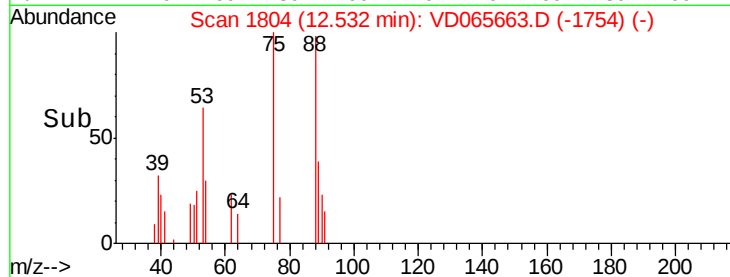
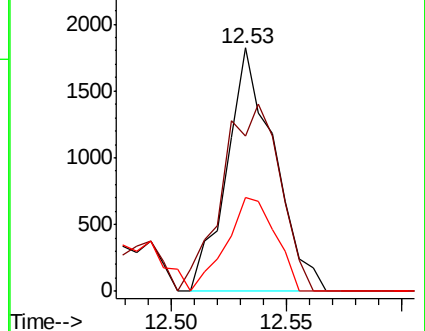
89 39.8 35.0 52.6



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: 4.345 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065663.D

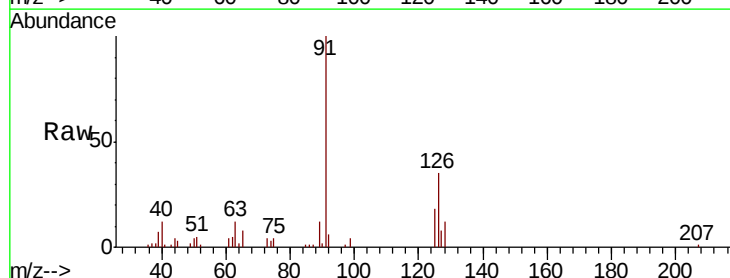
Acq: 22 Apr 2020 13:42

Tgt Ion: 91 Resp: 29515

Ion Ratio Lower Upper

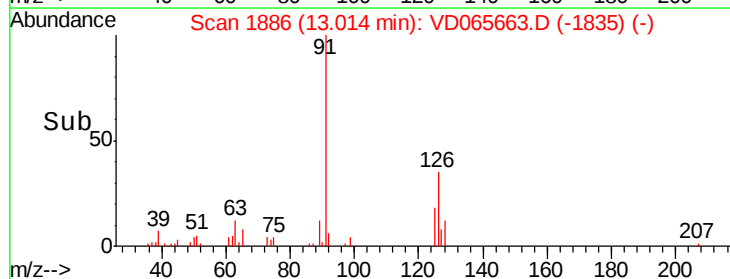
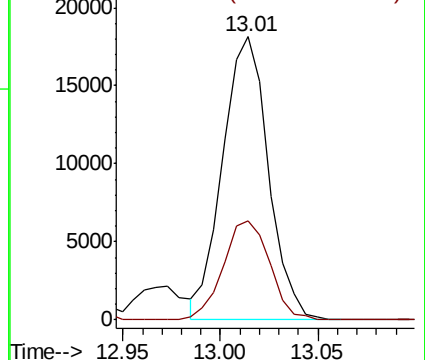
91 100

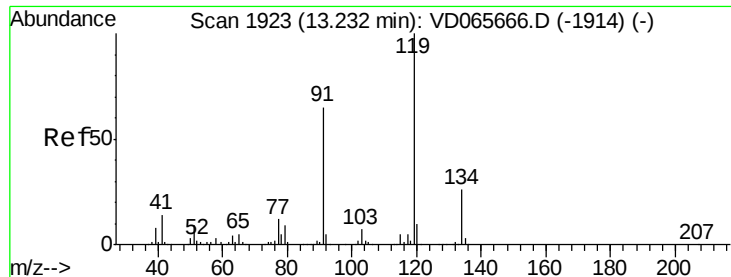
126 35.4 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

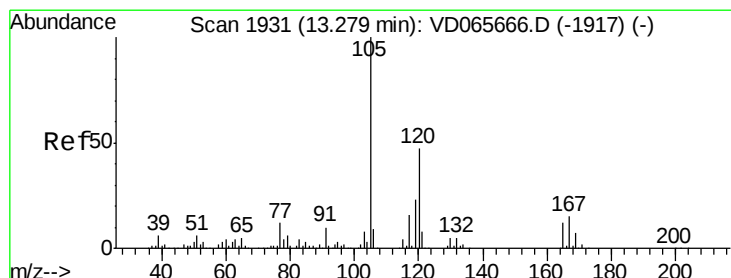
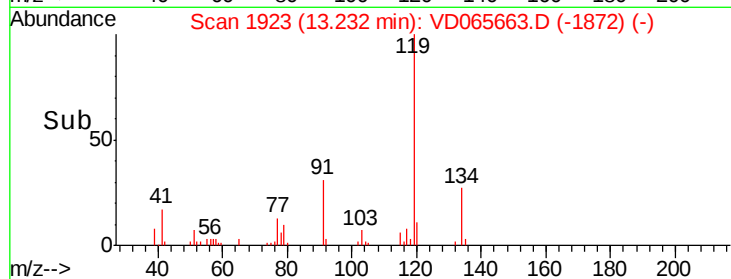
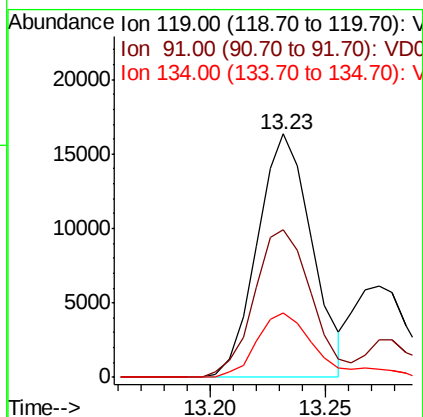
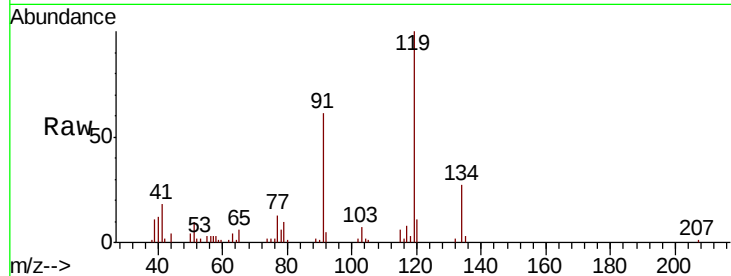




#83
tert-Butylbenzene
Concen: 4.141 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

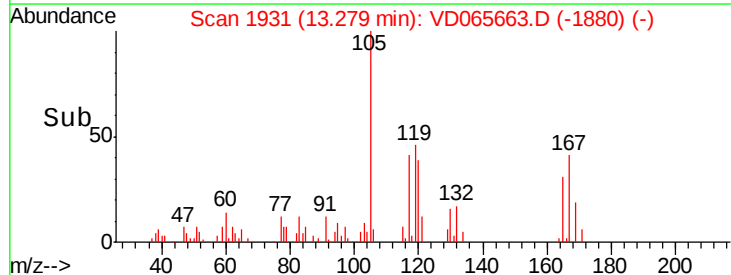
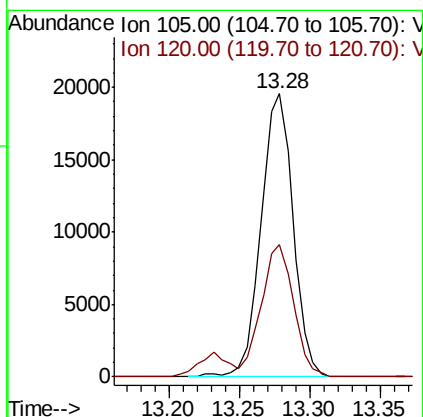
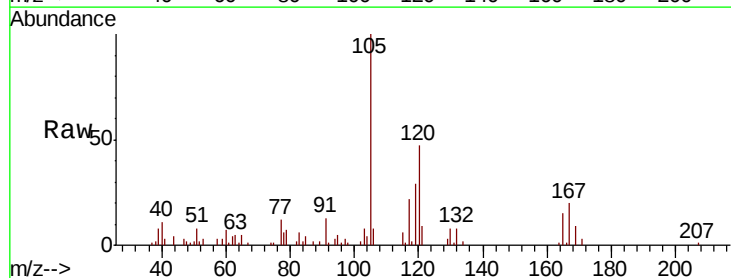
Instrument :
MSVOA_D
ClientSampleId :

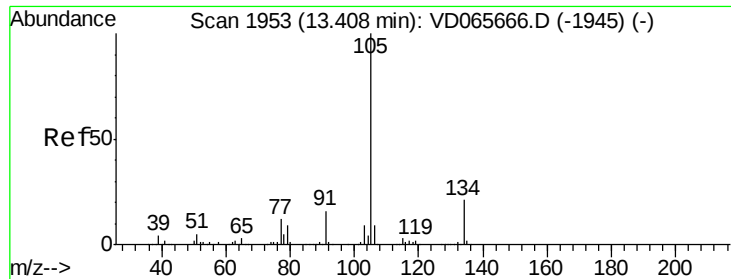
Tot Ion:119 Resp: 26856
Ion Ratio Lower Upper
119 100
91 64.2 31.9 95.7
134 26.6 14.1 42.3



#84
1,2,4-Trimethylbenzene
Concen: 4.051 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

Tgt Ion:105 Resp: 31240
Ion Ratio Lower Upper
105 100
120 47.3 23.5 70.6





#85

sec-Butylbenzene

Concen: 4.346 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

Instrument :

MSVOA_D

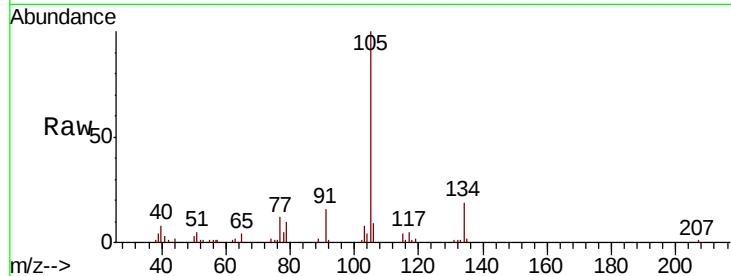
ClientSampled :

Tot Ion:105 Resp: 40367

Ion Ratio Lower Upper

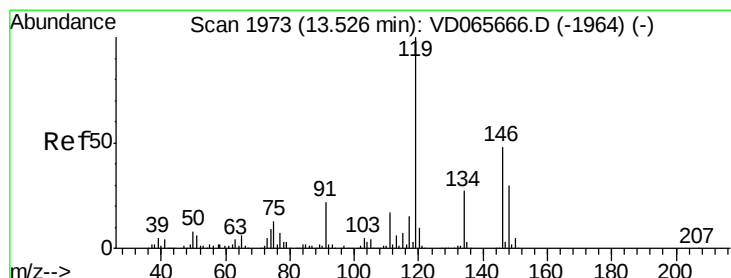
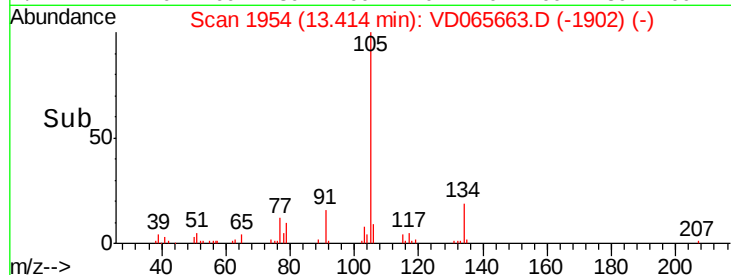
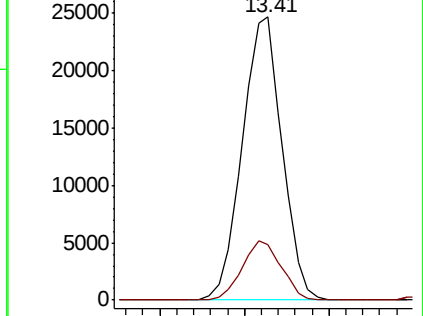
105 100

134 20.5 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.063 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:42

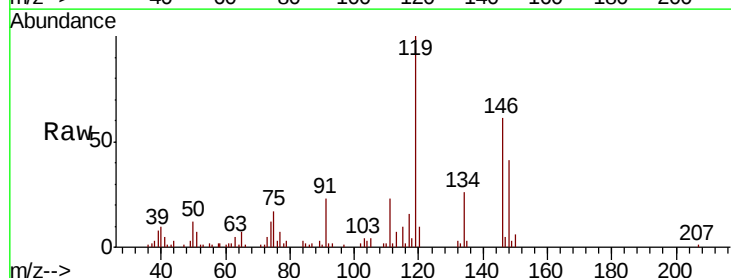
Tgt Ion:119 Resp: 35452

Ion Ratio Lower Upper

119 100

134 26.0 13.4 40.2

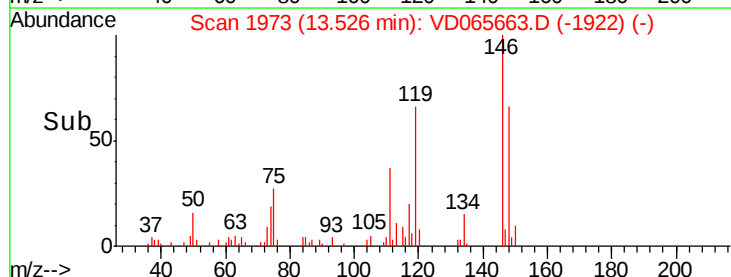
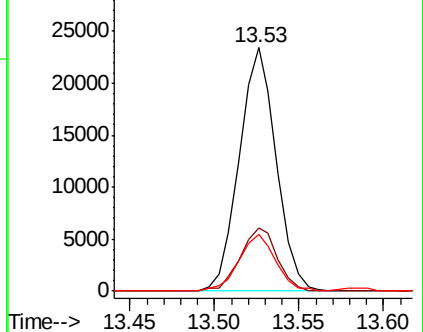
91 23.2 10.9 32.7

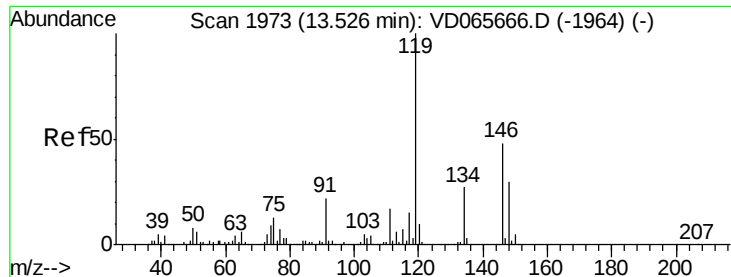


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

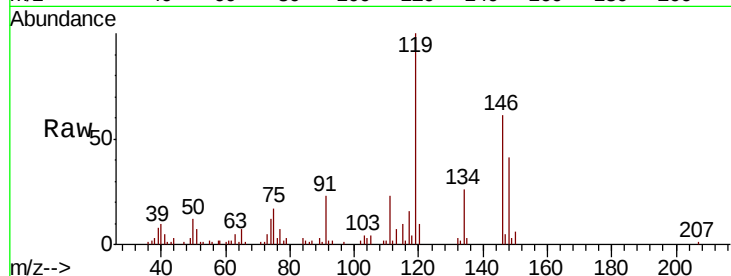




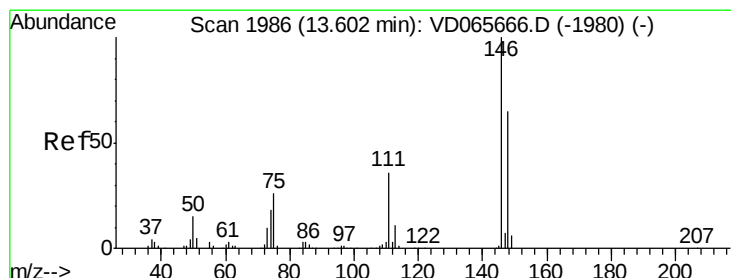
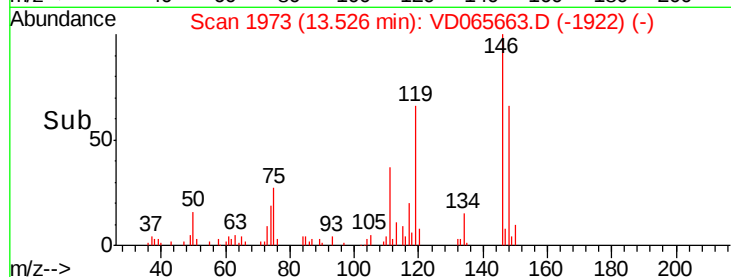
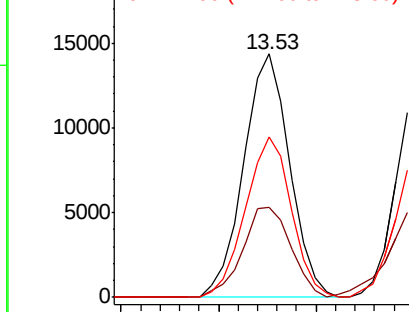
#87
 1,3-Dichlorobenzene
 Concen: 4.900 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 23384
 Ion Ratio Lower Upper
 146 100
 111 38.8 18.6 56.0
 148 65.9 31.9 95.9

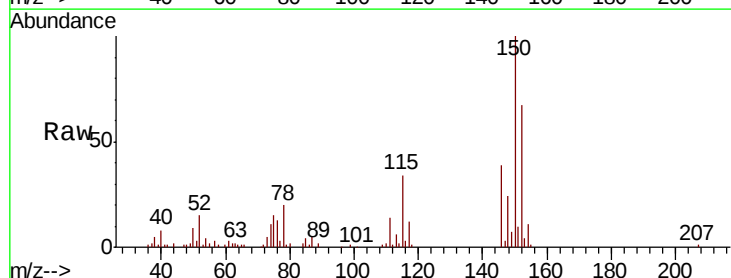


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

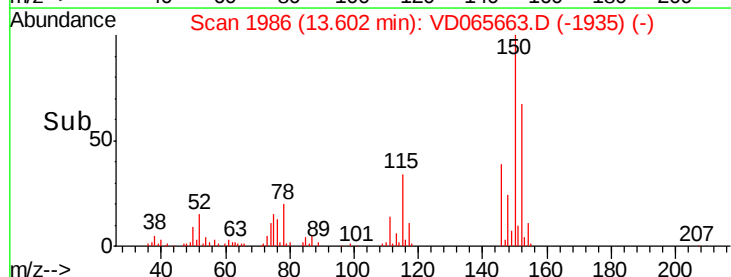
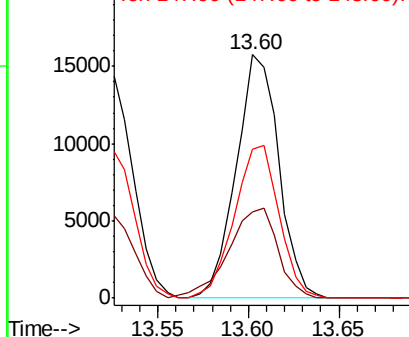


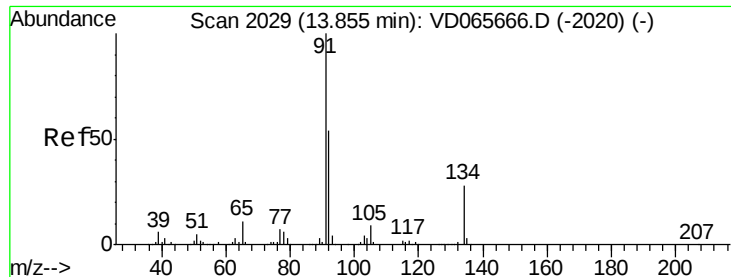
#88
 1,4-Dichlorobenzene
 Concen: 5.441 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:42

Tgt Ion:146 Resp: 25806
 Ion Ratio Lower Upper
 146 100
 111 42.6 18.1 54.1
 148 65.7 31.9 95.5



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

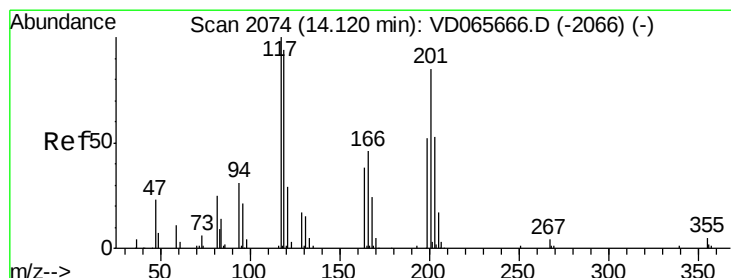
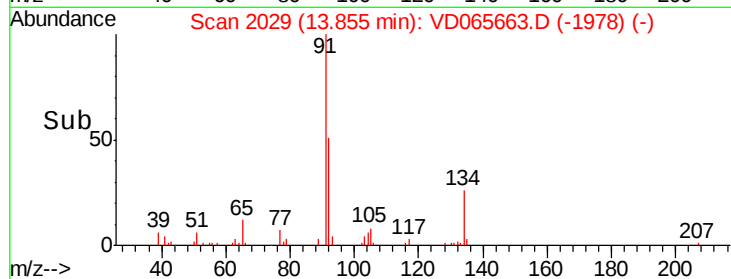
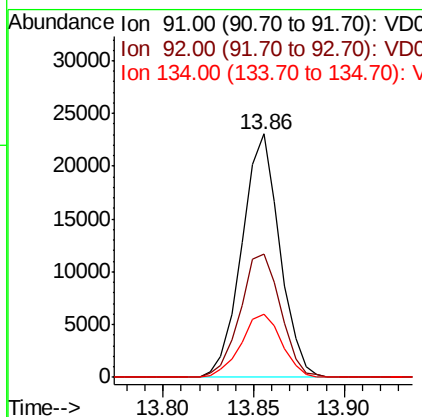
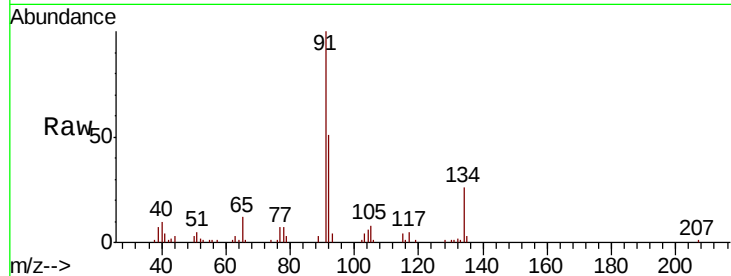




#89
n-Butylbenzene
Concen: 4.235 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

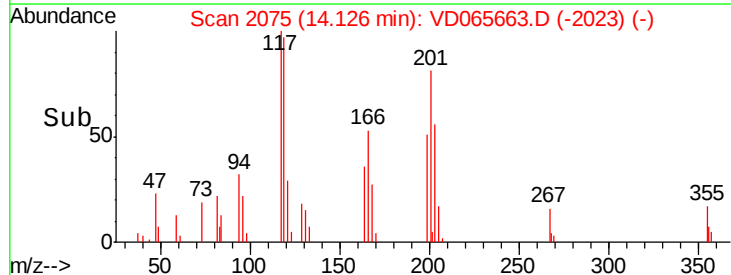
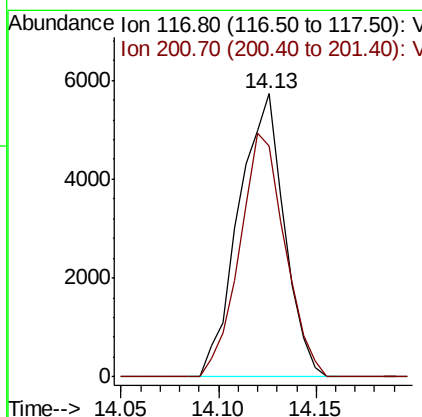
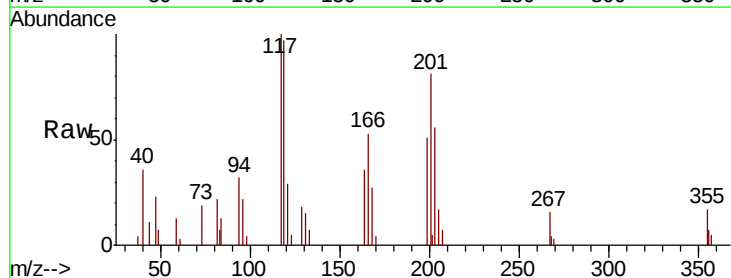
Instrument :
MSVOA_D
ClientSampleId :

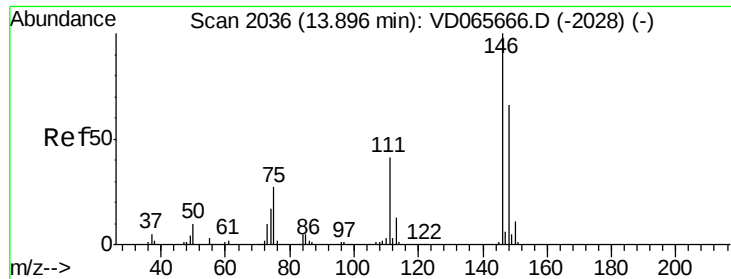
Tot Ion: 91 Resp: 33490
Ion Ratio Lower Upper
91 100
92 54.2 27.1 81.2
134 28.0 13.7 41.0



#90
Hexachloroethane
Concen: 5.050 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

Tgt Ion: 117 Resp: 9267
Ion Ratio Lower Upper
117 100
201 85.7 44.6 134.0

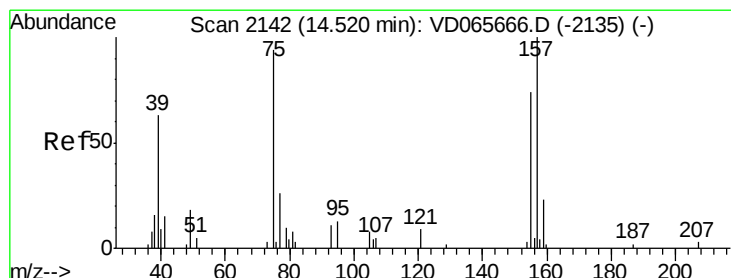
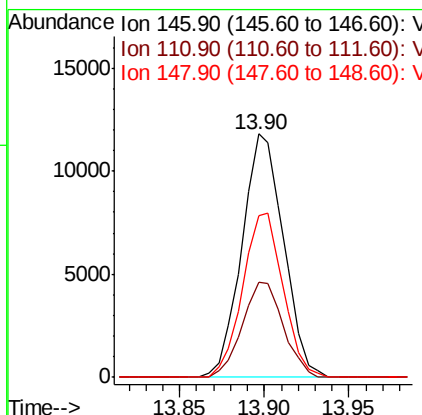
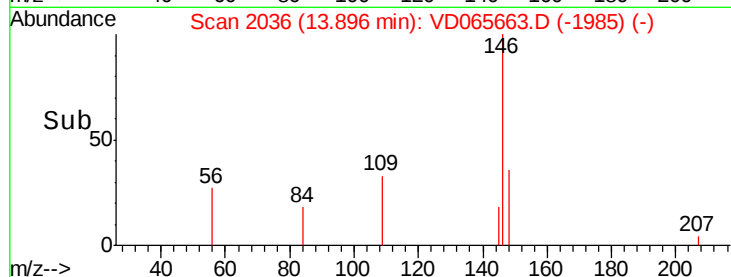
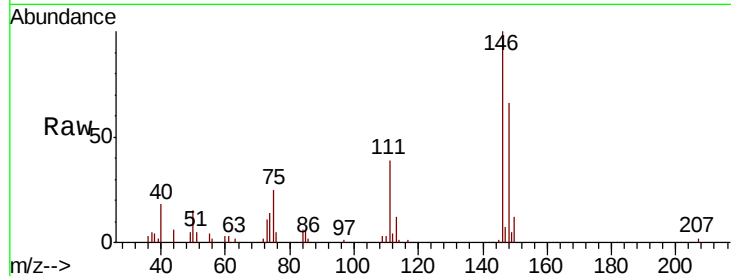




#91
 1,2-Dichlorobenzene
 Concen: 4.953 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:42

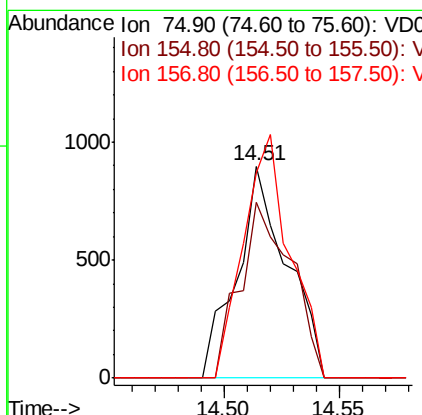
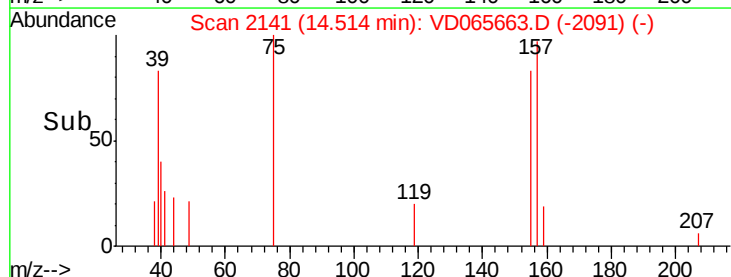
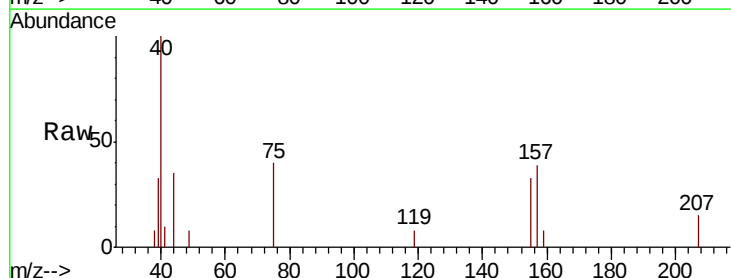
Instrument :
 MSVOA_D
 ClientSampleId :

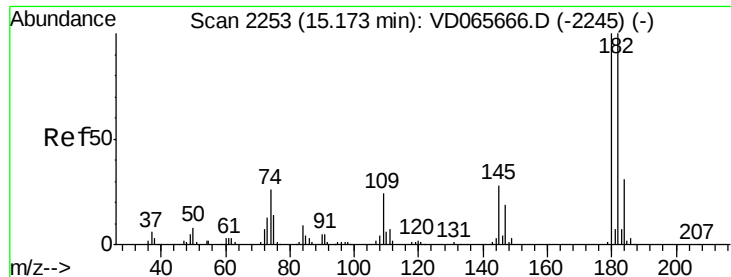
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.1
148	65.3	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.396 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.8	40.6	122.0
157	106.7	52.8	158.5

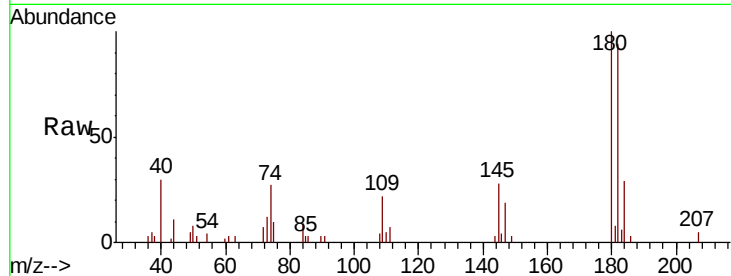




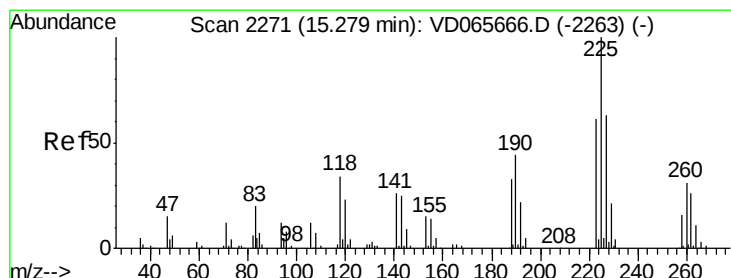
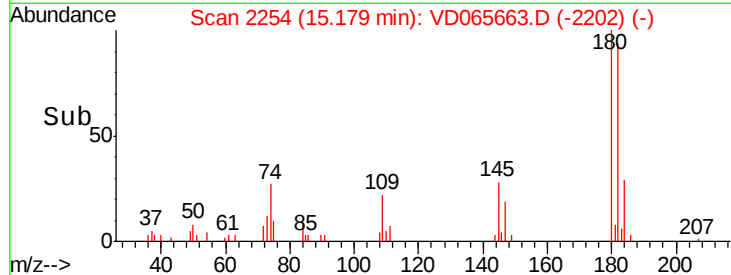
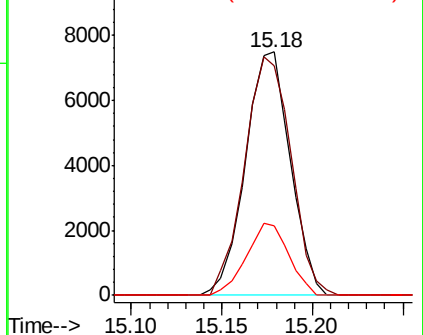
#93
 1,2,4-Trichlorobenzene
 Concen: 4.606 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:42

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:180 Resp: 12889
 Ion Ratio Lower Upper
 180 100
 182 101.4 47.4 142.2
 145 27.8 14.1 42.4

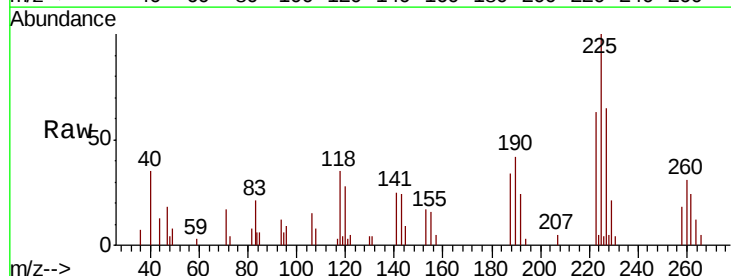


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

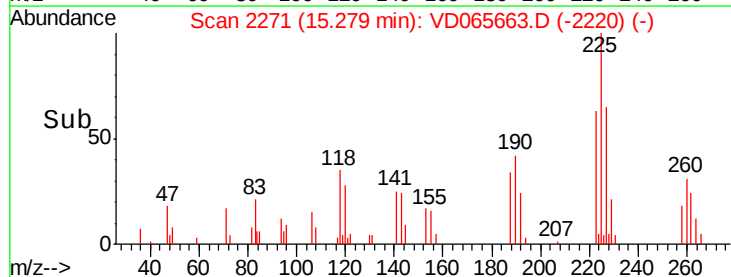
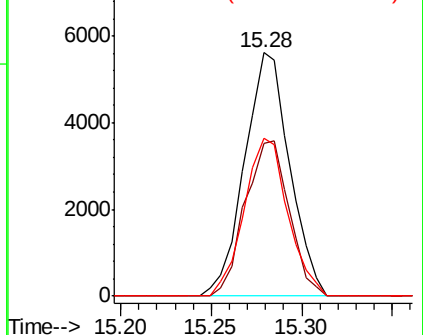


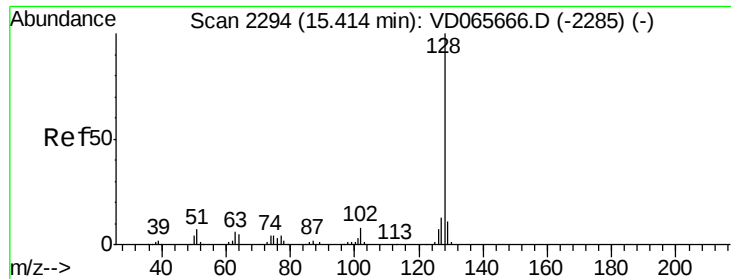
#94
 Hexachlorobutadiene
 Concen: 5.039 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:42

Tgt Ion:225 Resp: 9716
 Ion Ratio Lower Upper
 225 100
 223 61.8 30.8 92.4
 227 62.7 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

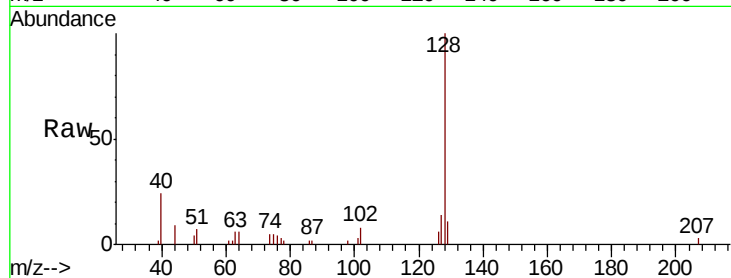




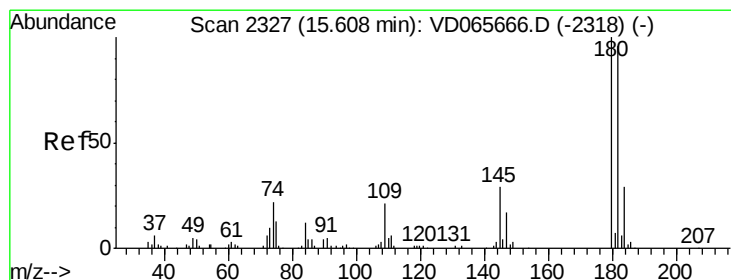
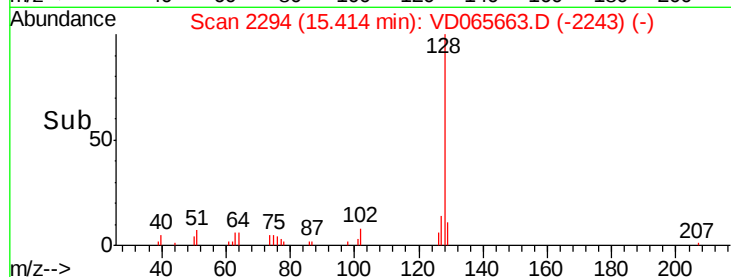
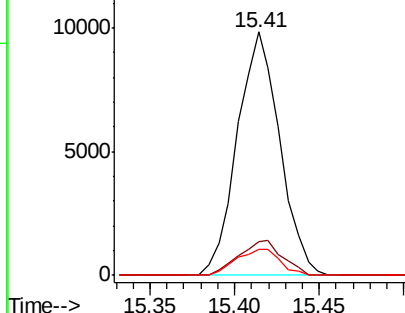
#95
Naphthalene
Concen: 4.186 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 17176
Ion Ratio Lower Upper
128 100
127 14.4 10.6 15.8
129 11.0 8.6 12.8

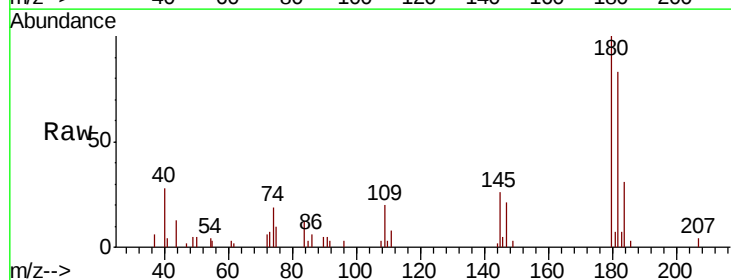


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 4.596 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:42

Tgt Ion:180 Resp: 11307
Ion Ratio Lower Upper
180 100
182 92.2 47.4 142.3
145 29.6 14.6 44.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

