

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021020\
 Data File : VD065126.D
 Acq On : 10 Feb 2020 11:59
 Operator : VA/SY
 Sample : VD0210SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 11 08:04:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	452554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	662243	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	602621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288516	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	215279	55.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.94%	
35) Dibromofluoromethane	7.91	113	213292	57.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.46%	
50) Toluene-d8	10.34	98	840234	57.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.26%	
62) 4-Bromofluorobenzene	12.64	95	261157	56.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	83356	22.134	ug/l	100
3) Chloromethane	2.21	50	109361	24.669	ug/l	96
4) Vinyl Chloride	2.35	62	110439	23.556	ug/l	99
5) Bromomethane	2.76	94	68139	22.415	ug/l	97
6) Chloroethane	2.92	64	67208	23.109	ug/l	95
7) Trichlorofluoromethane	3.27	101	162496	23.816	ug/l	98
8) Diethyl Ether	3.70	74	42237	21.563	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	93701	22.464	ug/l	99
10) Methyl Iodide	4.30	142	90591	19.028	ug/l	97
11) Tert butyl alcohol	5.24	59	28234	120.142	ug/l	95
12) 1,1-Dichloroethene	4.06	96	88653	22.192	ug/l	95
13) Acrolein	3.93	56	28991	100.297	ug/l	94
14) Allyl chloride	4.71	41	144847	21.817	ug/l	99
15) Acrylonitrile	5.43	53	93011	108.615	ug/l	98
16) Acetone	4.16	43	100759	104.777	ug/l	98
17) Carbon Disulfide	4.40	76	292497	22.804	ug/l	99
18) Methyl Acetate	4.72	43	47140	23.463	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	180931	20.482	ug/l	97
20) Methylene Chloride	4.96	84	103755	22.322	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	101486	22.455	ug/l	90
22) Diisopropyl ether	6.37	45	278903	22.271	ug/l	97
23) Vinyl Acetate	6.31	43	735733	105.403	ug/l	99
24) 1,1-Dichloroethane	6.27	63	173321	22.865	ug/l	98
25) 2-Butanone	7.23	43	125891	109.747	ug/l	92
26) 2,2-Dichloropropane	7.21	77	158721	23.361	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	105678	22.009	ug/l	99
28) Bromochloromethane	7.54	49	60085	20.911	ug/l	100
29) Tetrahydrofuran	7.57	42	76229	109.888	ug/l	98
30) Chloroform	7.71	83	171138	22.675	ug/l	99
31) Cyclohexane	7.98	56	166886	21.811	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	162772	23.152	ug/l	99
36) 1,1-Dichloropropene	8.11	75	144506	23.467	ug/l	98
37) Ethyl Acetate	7.30	43	55367	22.008	ug/l	99
38) Carbon Tetrachloride	8.10	117	143806	22.865	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	159306	20.959	ug/l	94
40) Benzene	8.35	78	391427	23.019	ug/l	99
41) Methacrylonitrile	7.53	41	30526	22.025	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	110022	22.707	ug/l	97
43) Isopropyl Acetate	8.46	43	103496	21.506	ug/l	99
44) Trichloroethene	9.11	130	111017	22.745	ug/l	96
45) 1,2-Dichloropropane	9.39	63	95788	23.494	ug/l	93
46) Dibromomethane	9.48	93	49208	22.968	ug/l	98
47) Bromodichloromethane	9.67	83	132094	23.400	ug/l	94
48) Methyl methacrylate	9.46	41	48416	20.908	ug/l	98
49) 1,4-Dioxane	9.47	88	10790	425.217	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	255894	108.030	ug/l	99
52) Toluene	10.41	92	249259	22.966	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	123659	22.499	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	147607	22.455	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	68426	23.285	ug/l	96
56) Ethyl methacrylate	10.67	69	77733	20.906	ug/l	99
57) 1,3-Dichloropropane	10.95	76	118244	22.883	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	124422	91.521	ug/l	99
59) 2-Hexanone	10.99	43	180212	107.408	ug/l	100
60) Dibromochloromethane	11.14	129	87510	22.991	ug/l	99
61) 1,2-Dibromoethane	11.26	107	64123	22.332	ug/l	99
64) Tetrachloroethene	10.88	164	94677	21.865	ug/l	93
65) Chlorobenzene	11.67	112	260120	22.317	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	96342	22.396	ug/l	99
67) Ethyl Benzene	11.75	91	464170	21.920	ug/l	100
68) m/p-Xylenes	11.86	106	359379	44.465	ug/l	100
69) o-Xylene	12.18	106	155239	21.329	ug/l	99
70) Styrene	12.20	104	276952	21.894	ug/l	100
71) Bromoform	12.37	173	51975	22.447	ug/l #	99
73) Isopropylbenzene	12.48	105	430335	21.731	ug/l	99
74) N-amyl acetate	12.30	43	88955	20.667	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	70686	22.680	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	94777	43.389	ug/l #	100
77) Bromobenzene	12.77	156	103307	21.653	ug/l	99
78) n-propylbenzene	12.83	91	519112	22.384	ug/l	100
79) 2-Chlorotoluene	12.91	91	282175	21.829	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	354227	21.865	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	23827	21.815	ug/l	99
82) 4-Chlorotoluene	13.01	91	295103	21.737	ug/l	99
83) tert-Butylbenzene	13.23	119	295593	21.149	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	351320	21.843	ug/l	99
85) sec-Butylbenzene	13.41	105	417157	21.853	ug/l	99
86) p-Isopropyltoluene	13.53	119	393334	22.177	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	196329	21.978	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	197436	22.206	ug/l	99
89) n-Butylbenzene	13.86	91	352633	21.540	ug/l	99
90) Hexachloroethane	14.12	117	77157	22.973	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	169401	22.140	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11831	23.254	ug/l	93

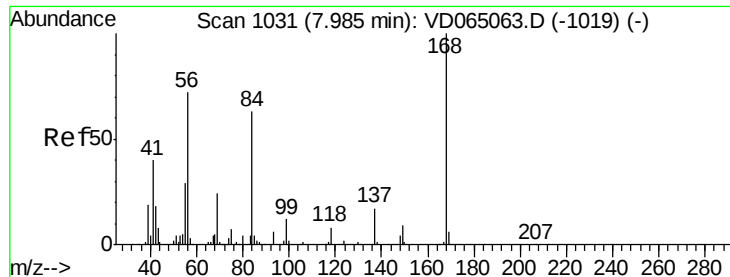
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021020\
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Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	112106	20.499	ug/l	100
94) Hexachlorobutadiene	15.28	225	68742	20.443	ug/l	98
95) Naphthalene	15.41	128	175482	19.306	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	97173	20.773	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: VD065126.D

Acq: 10 Feb 2020 11:59

Instrument :

MSVOA_D

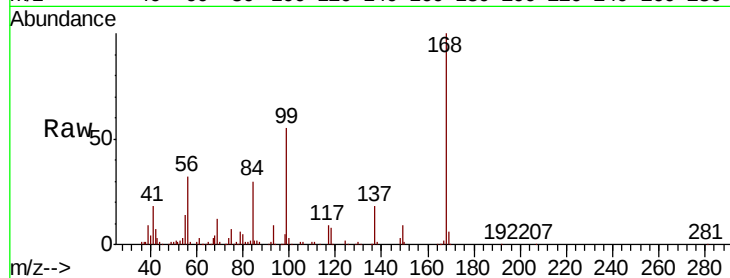
ClientSampleId :

Tot Ion:168 Resp: 452554

Ion Ratio Lower Upper

168 100

99 54.1 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

100000

50000

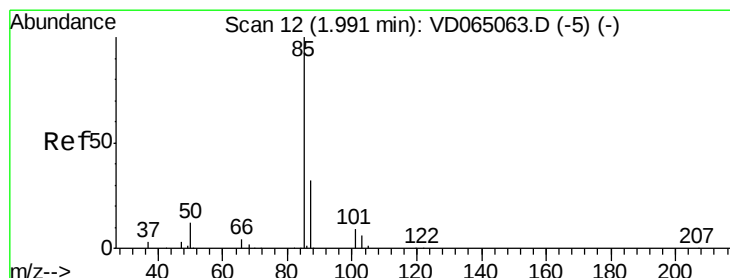
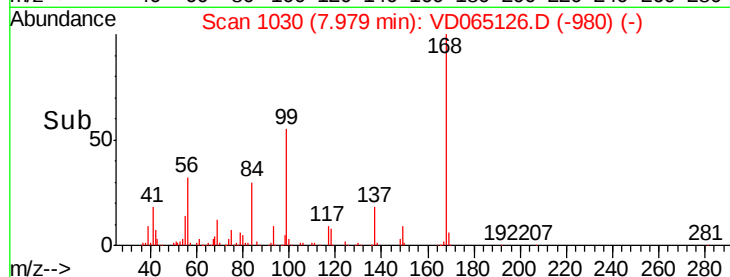
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.134 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065126.D

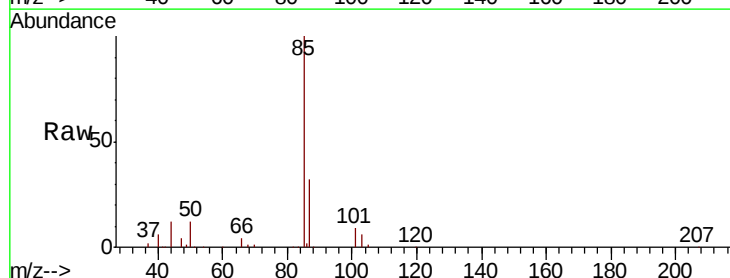
Acq: 10 Feb 2020 11:59

Tgt Ion: 85 Resp: 83356

Ion Ratio Lower Upper

85 100

87 31.7 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

40000

20000

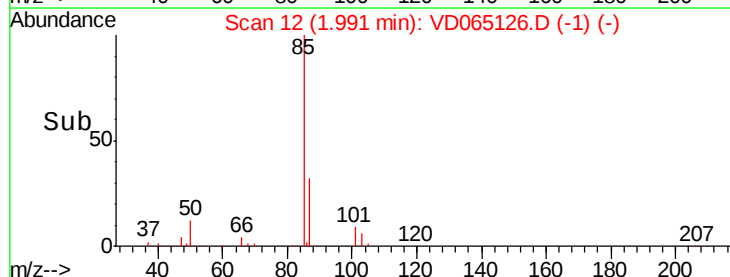
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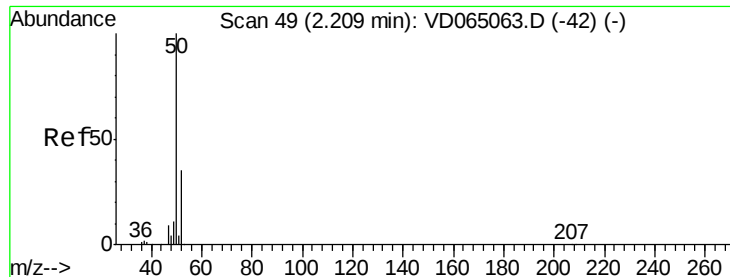
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 24.669 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

Instrument :

MSVOA_D

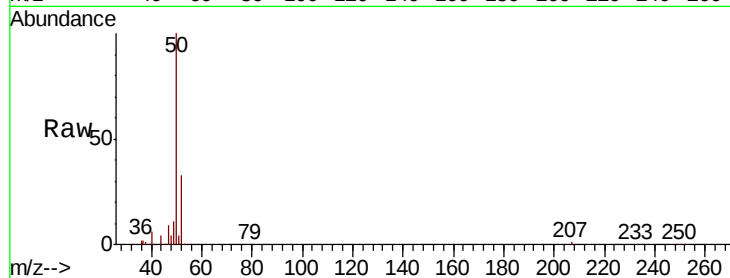
ClientSampleId :

Tot Ion: 50 Resp: 109361

Ion Ratio Lower Upper

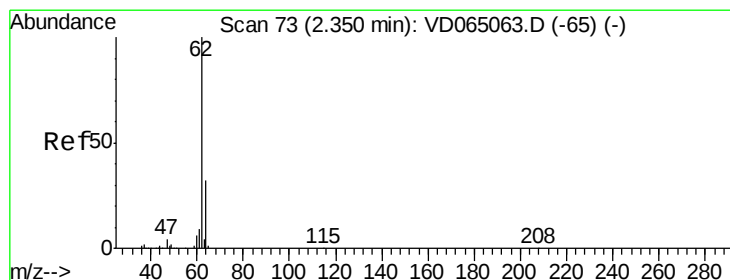
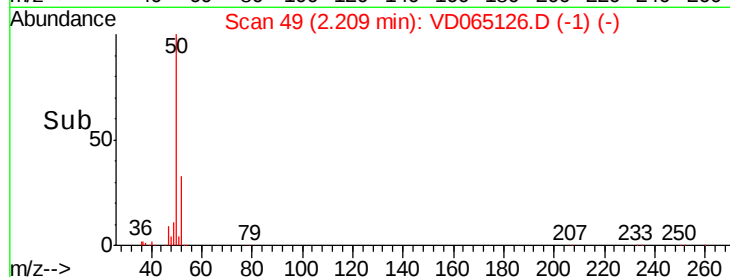
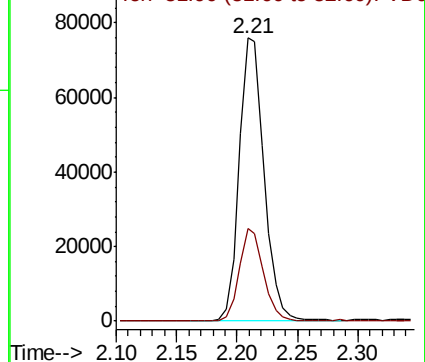
50 100

52 32.5 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.556 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065126.D

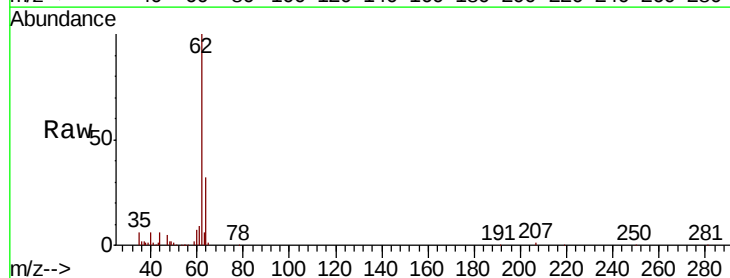
Acq: 10 Feb 2020 11:59

Tgt Ion: 62 Resp: 110439

Ion Ratio Lower Upper

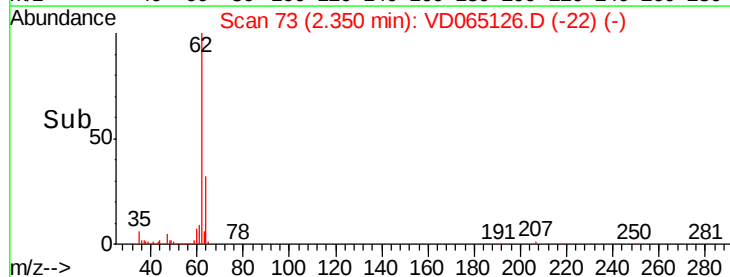
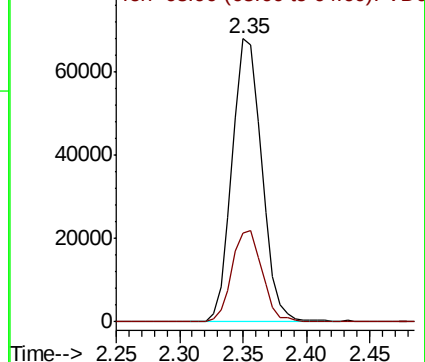
62 100

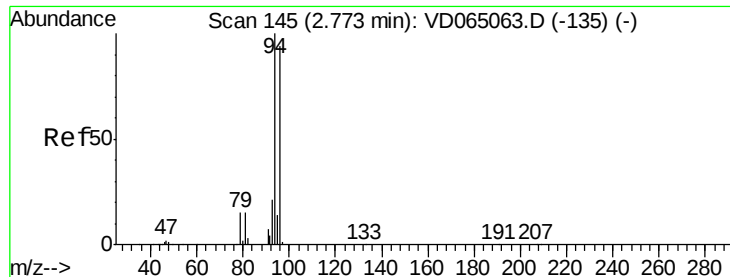
64 31.6 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.415 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

Instrument :

MSVOA_D

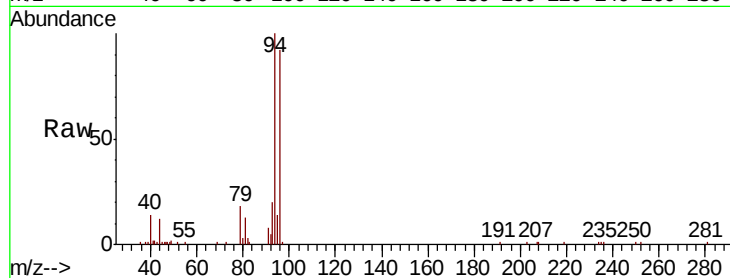
ClientSampleId :

Tot Ion: 94 Resp: 68139

Ion Ratio Lower Upper

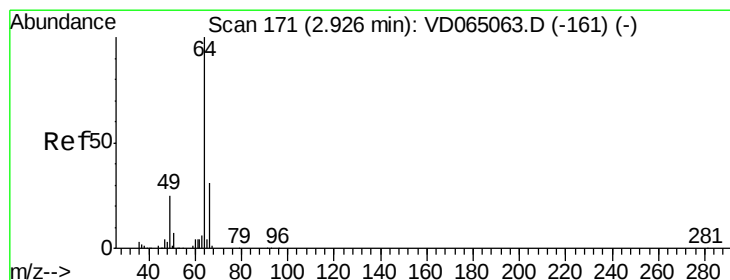
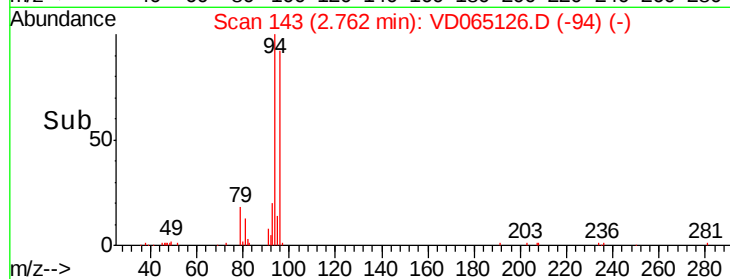
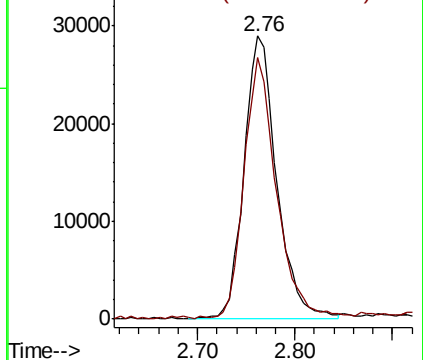
94 100

96 91.6 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 23.109 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065126.D

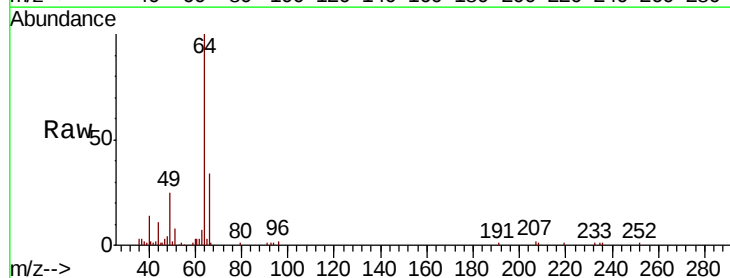
Acq: 10 Feb 2020 11:59

Tgt Ion: 64 Resp: 67208

Ion Ratio Lower Upper

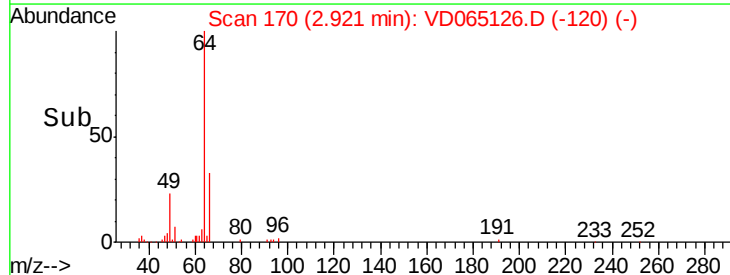
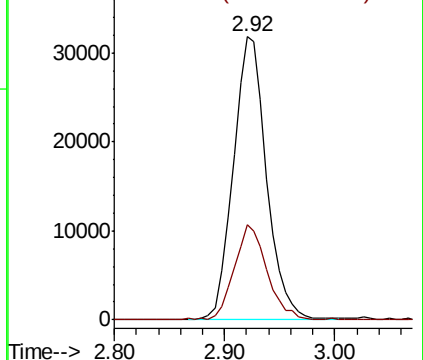
64 100

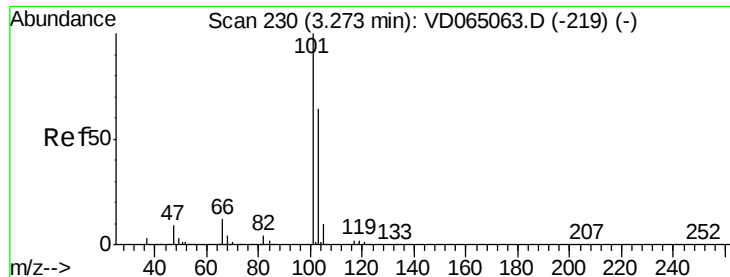
66 33.5 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



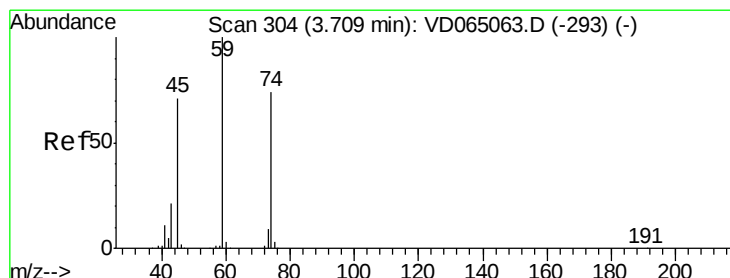
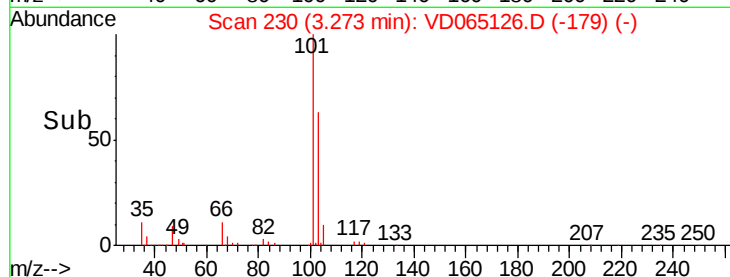
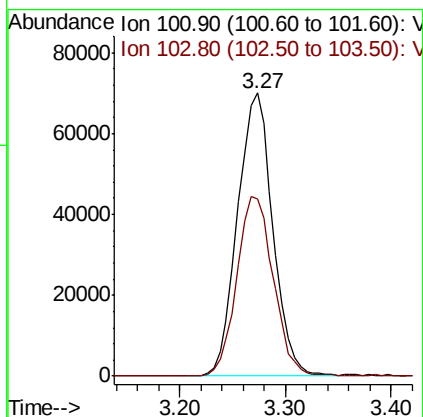
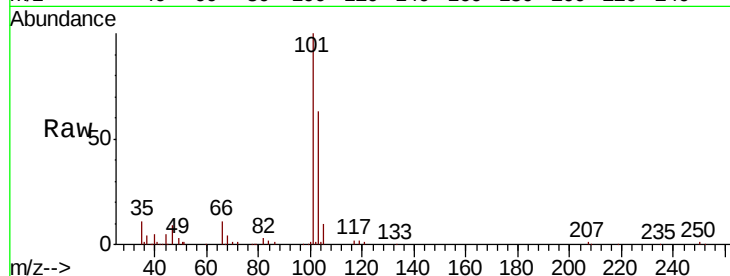


#7

Trichlorofluoromethane
 Concen: 23.816 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065126.D
 Acq: 10 Feb 2020 11:59

Instrument :
 MSVOA_D
 ClientSampleId :

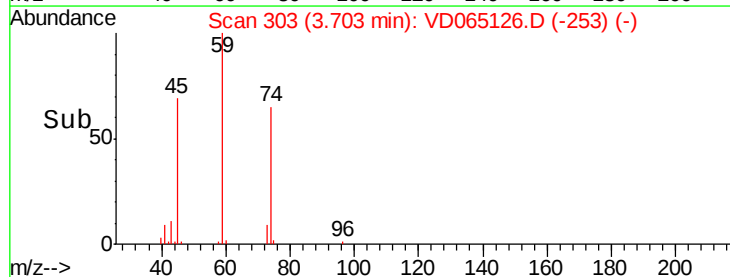
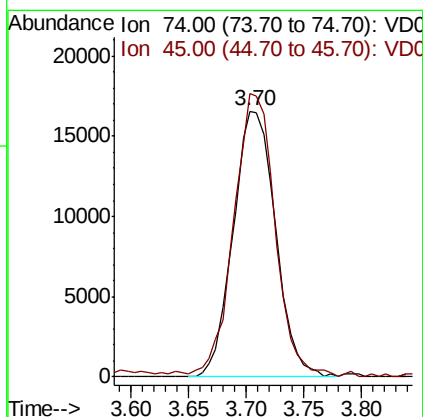
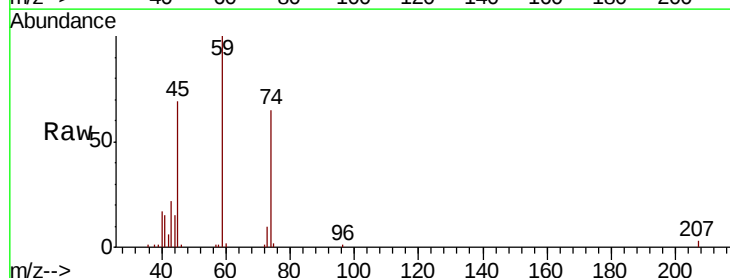
Tot Ion:101 Resp: 162496
 Ion Ratio Lower Upper
 101 100
 103 62.5 51.0 76.6

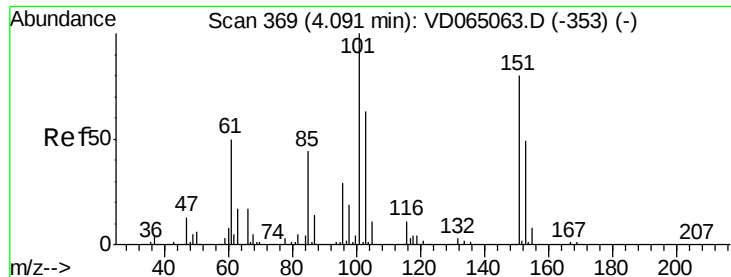


#8

Diethyl Ether
 Concen: 21.563 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065126.D
 Acq: 10 Feb 2020 11:59

Tgt Ion: 74 Resp: 42237
 Ion Ratio Lower Upper
 74 100
 45 105.0 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.464 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

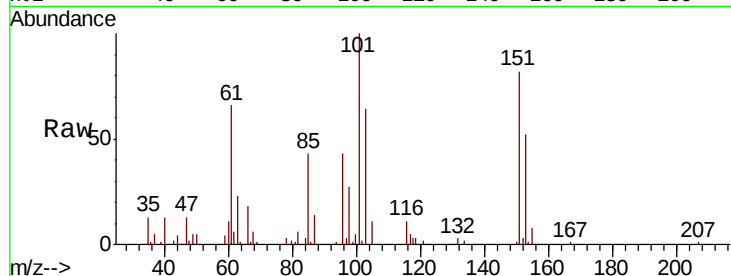
Tot Ion:101 Resp: 93701

Ion Ratio Lower Upper

101 100

85 43.3 34.0 51.0

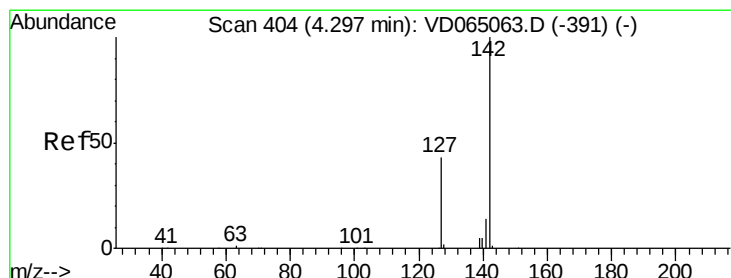
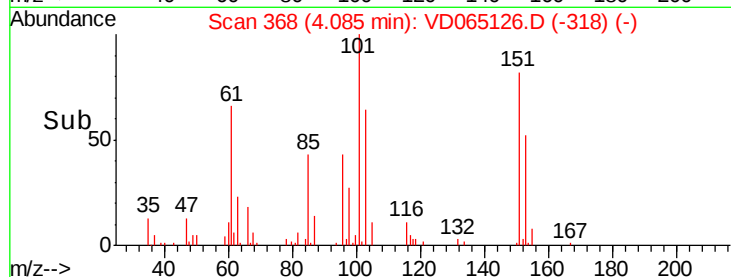
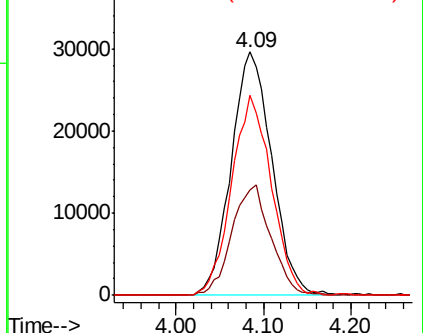
151 80.1 64.0 96.0



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: 19.028 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

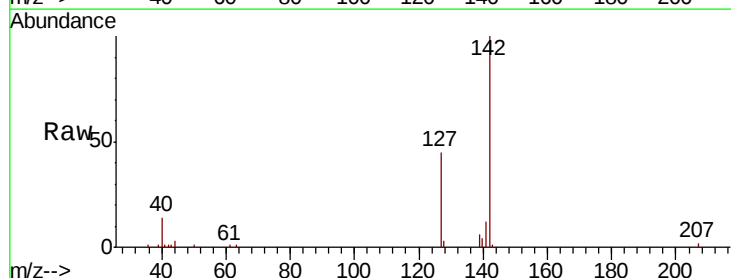
Tgt Ion:142 Resp: 90591

Ion Ratio Lower Upper

142 100

127 44.4 34.0 51.0

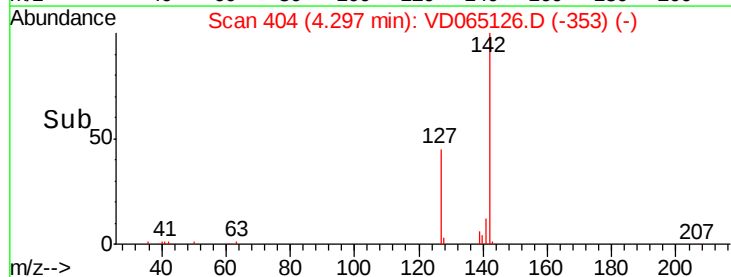
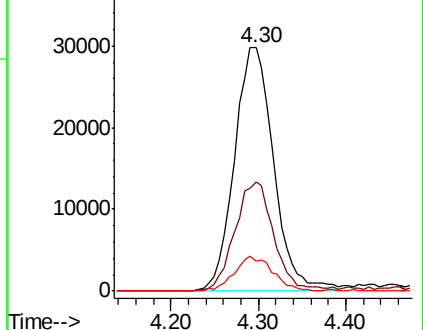
141 14.0 11.6 17.4

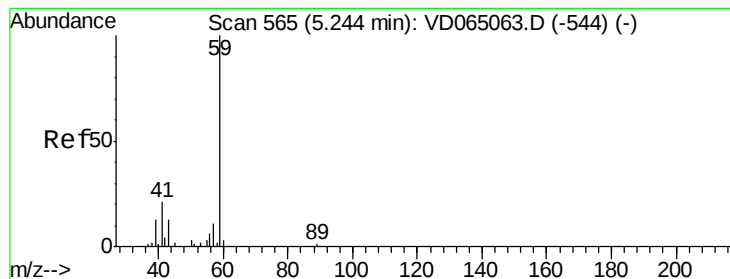


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



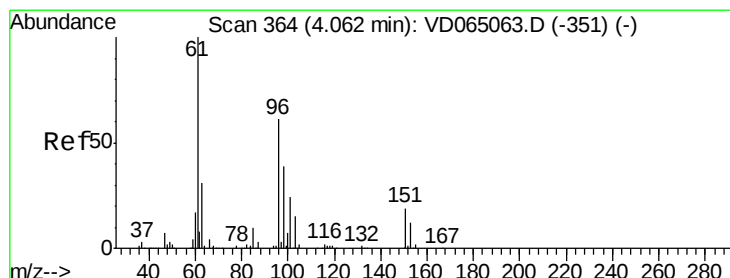
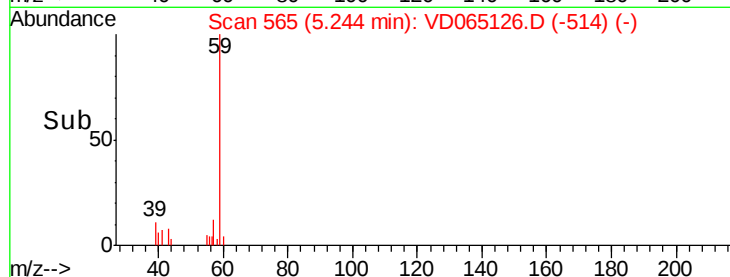
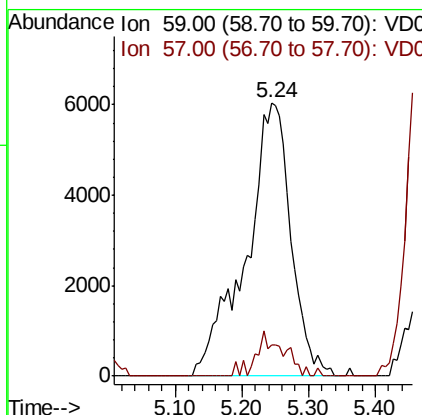
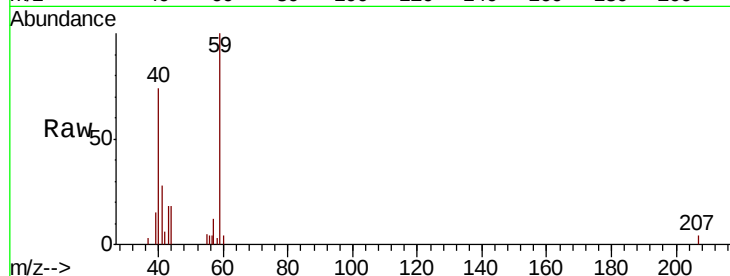


#11

Tert butyl alcohol
 Concen: 120.142 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VD065126.D
 Acq: 10 Feb 2020 11:59

Instrument :
 MSVOA_D
 ClientSampleId :

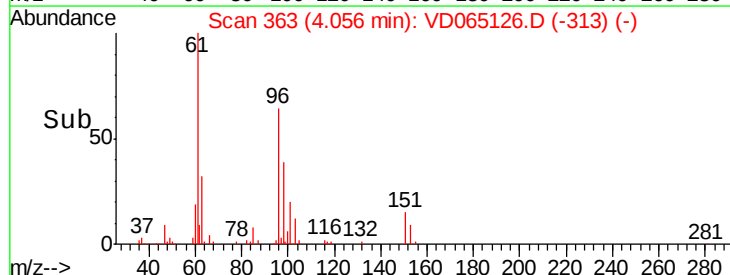
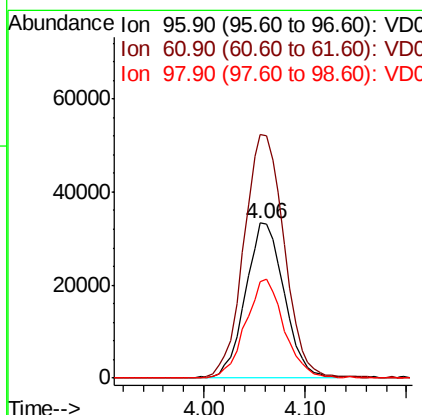
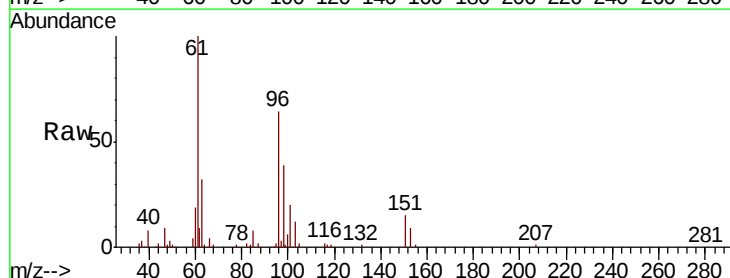
Tot Ion: 59 Resp: 28234
 Ion Ratio Lower Upper
 59 100
 57 9.0 8.8 13.2

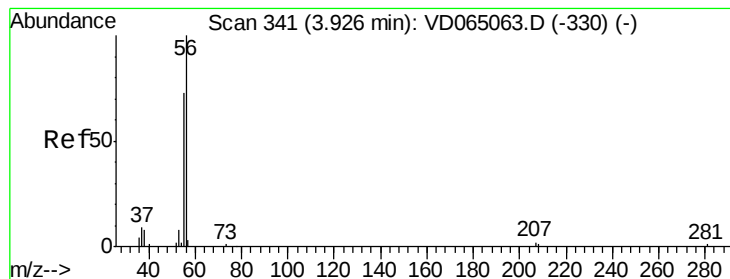


#12

1,1-Dichloroethene
 Concen: 22.192 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD065126.D
 Acq: 10 Feb 2020 11:59

Tgt Ion: 96 Resp: 88653
 Ion Ratio Lower Upper
 96 100
 61 157.2 131.4 197.2
 98 61.9 51.1 76.7





#13

Acrolein

Concen: 100.297 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

Instrument :

MSVOA_D

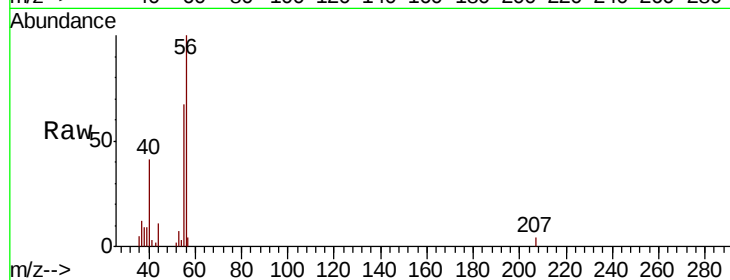
ClientSampleId :

Tot Ion: 56 Resp: 28991

Ion Ratio Lower Upper

56 100

55 67.6 58.2 87.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

12000

10000

8000

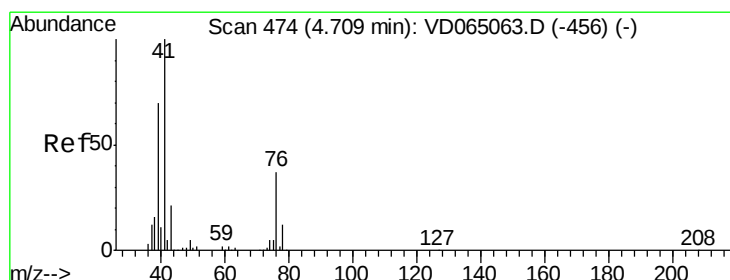
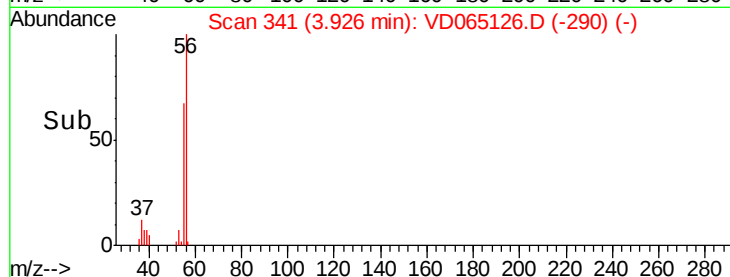
6000

4000

2000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 21.817 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

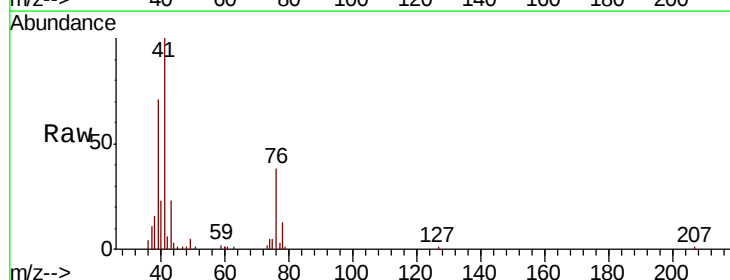
Tgt Ion: 41 Resp: 144847

Ion Ratio Lower Upper

41 100

39 70.3 57.1 85.7

76 35.5 28.0 42.0



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

60000

50000

40000

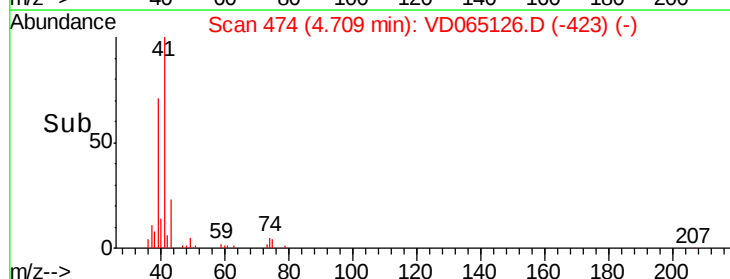
30000

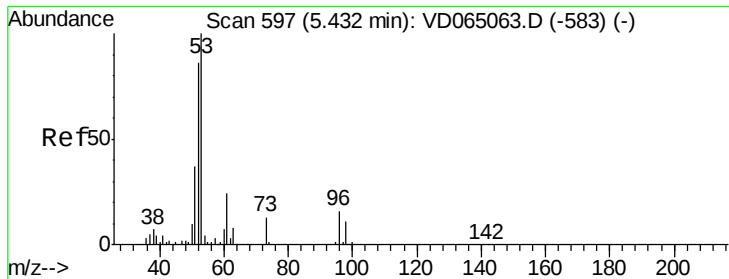
20000

10000

0

Time--> 4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 108.615 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

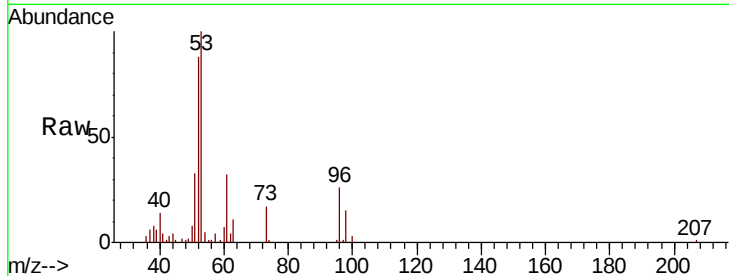
Tot Ion: 53 Resp: 93011

Ion Ratio Lower Upper

53 100

52 84.5 66.2 99.2

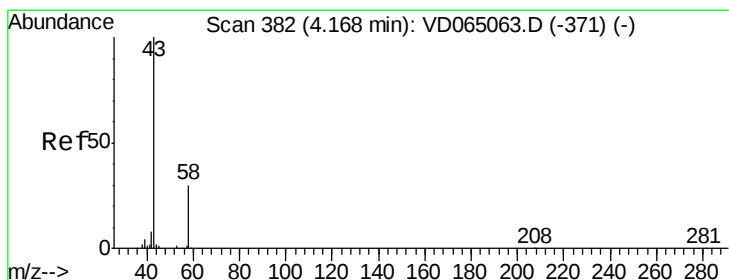
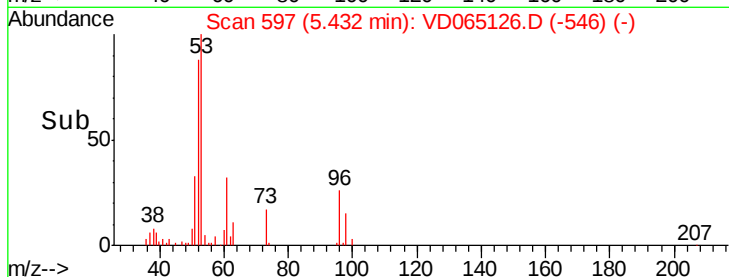
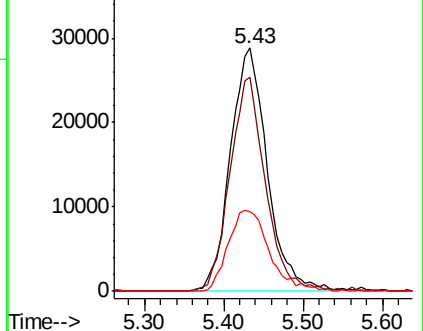
51 37.1 30.4 45.6



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: 104.777 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065126.D

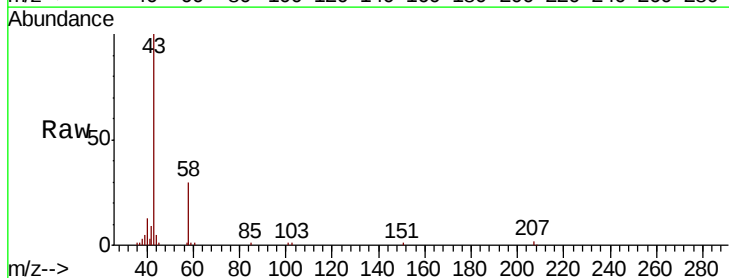
Acq: 10 Feb 2020 11:59

Tgt Ion: 43 Resp: 100759

Ion Ratio Lower Upper

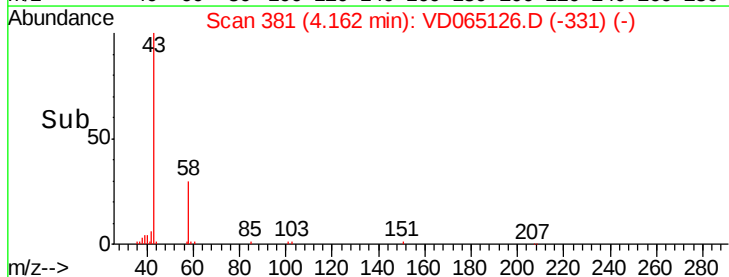
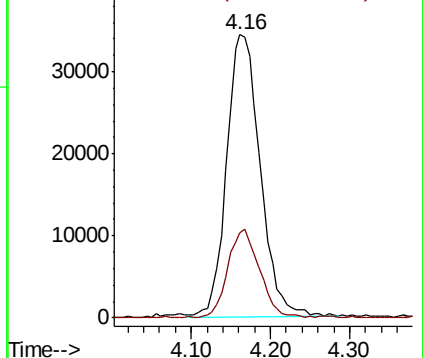
43 100

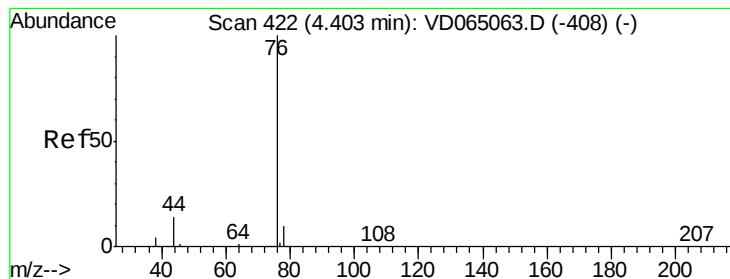
58 30.2 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 22.804 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

Instrument :

MSVOA_D

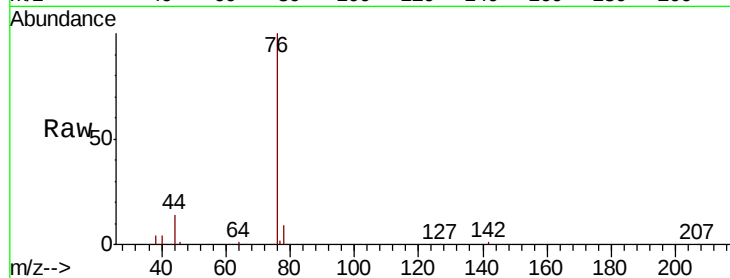
ClientSampled :

Tot Ion: 76 Resp: 292497

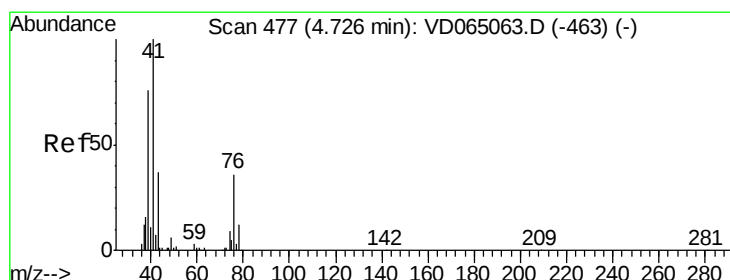
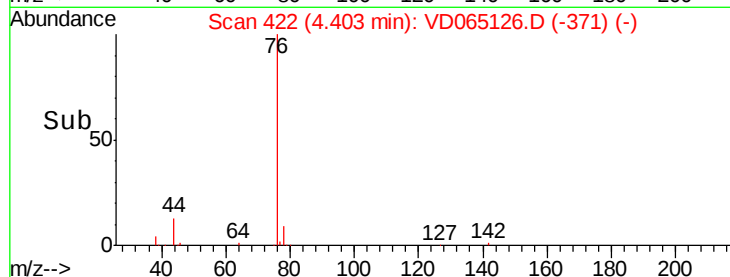
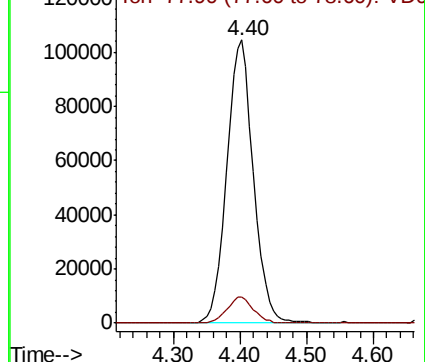
Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4



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



#18

Methyl Acetate

Concen: 23.463 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065126.D

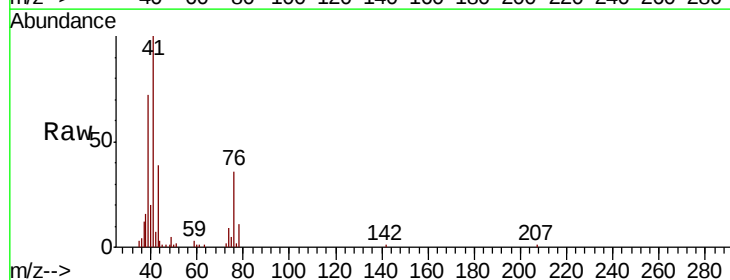
Acq: 10 Feb 2020 11:59

Tgt Ion: 43 Resp: 47140

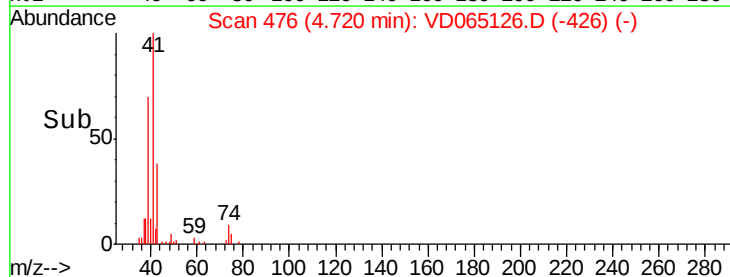
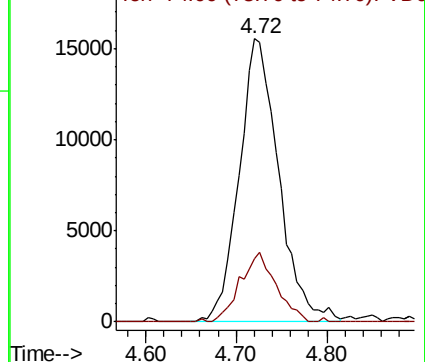
Ion Ratio Lower Upper

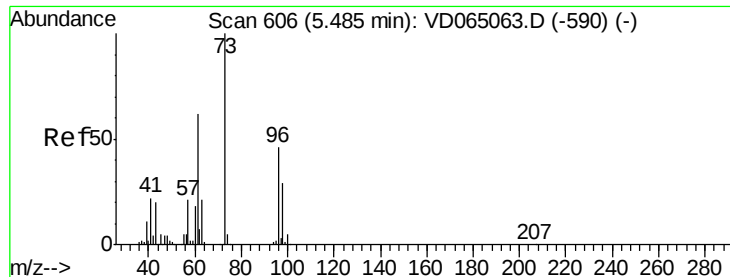
43 100

74 22.1 18.7 28.1



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

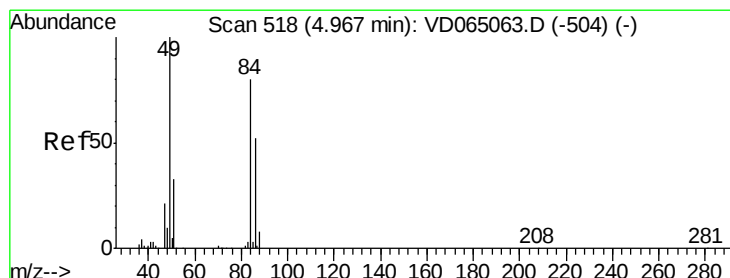
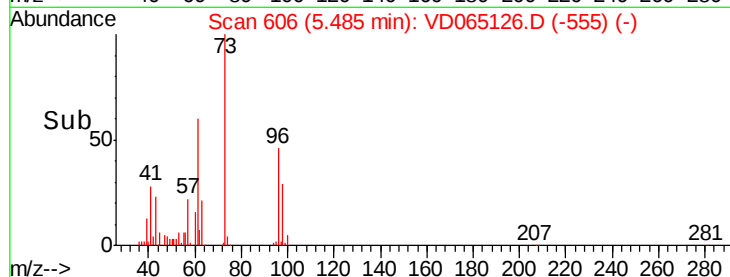
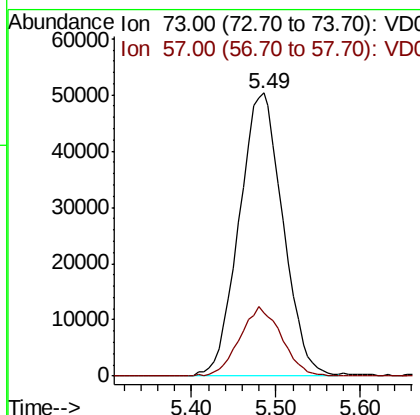
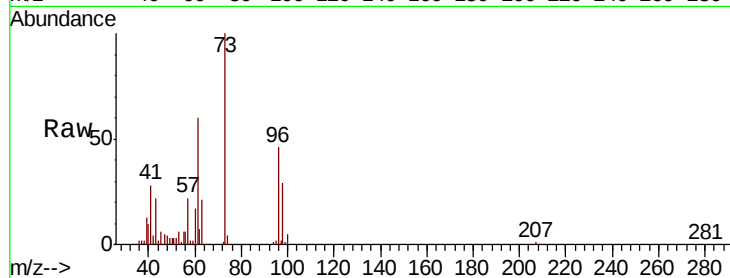




#19
Methvl tert-butvl Ether
Concen: 20.482 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

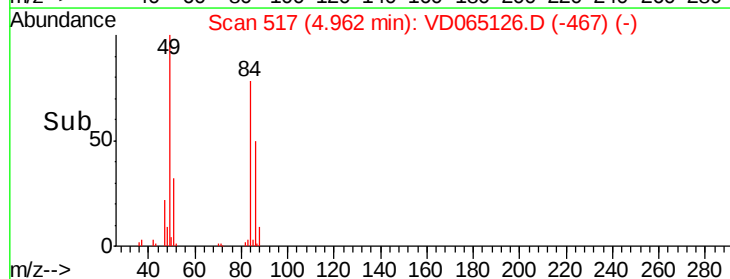
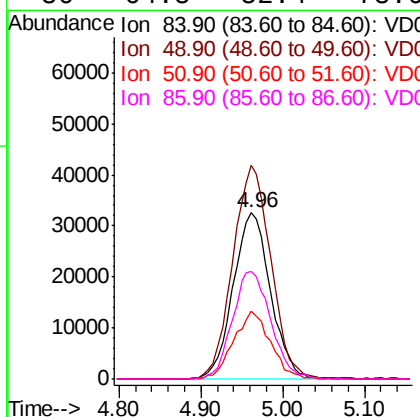
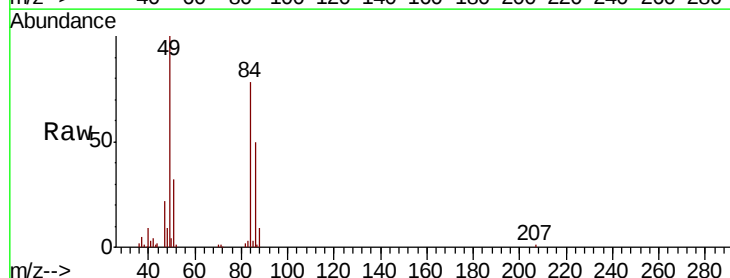
Instrument :
MSVOA_D
ClientSampleId :

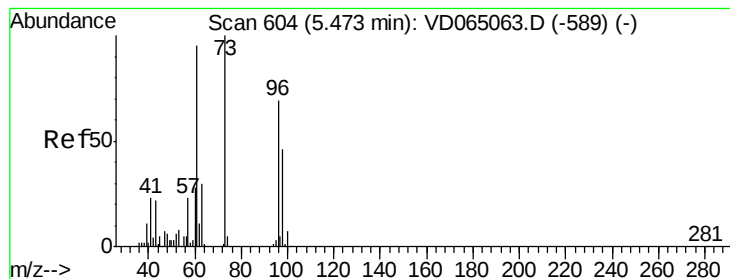
Tot Ion: 73 Resp: 180931
Ion Ratio Lower Upper
73 100
57 22.3 16.8 25.2



#20
Methylene Chloride
Concen: 22.322 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

Tgt Ion: 84 Resp: 103755
Ion Ratio Lower Upper
84 100
49 128.7 100.4 150.6
51 40.8 32.7 49.1
86 64.5 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 22.455 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

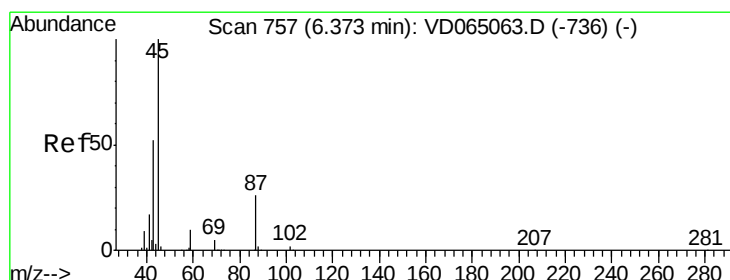
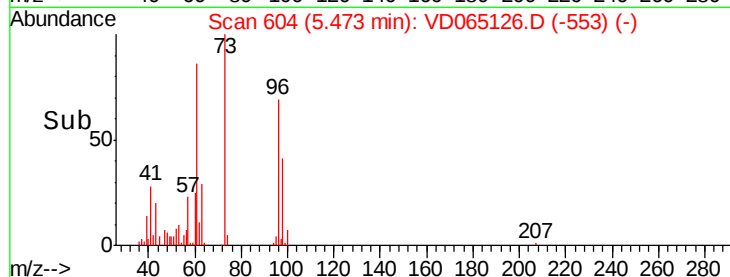
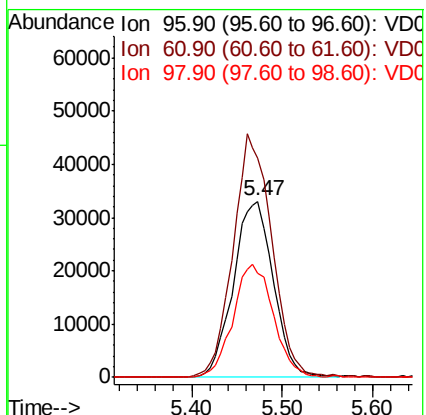
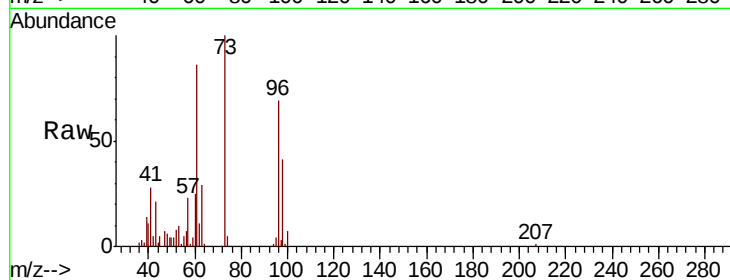
Tot Ion: 96 Resp: 101486

Ion Ratio Lower Upper

96 100

61 125.0 109.5 164.3

98 59.4 53.7 80.5



#22

Diisopropyl ether

Concen: 22.271 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

Tgt Ion: 45 Resp: 278903

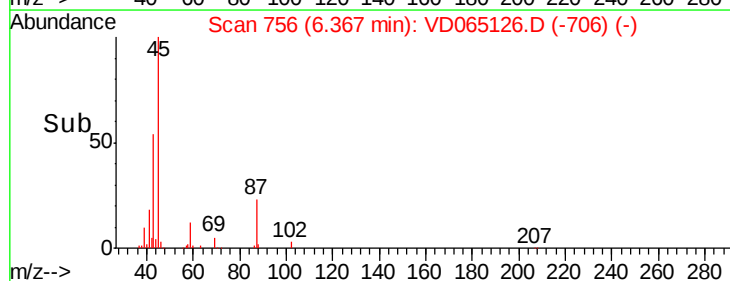
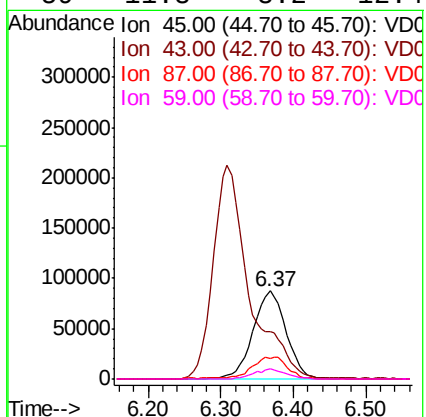
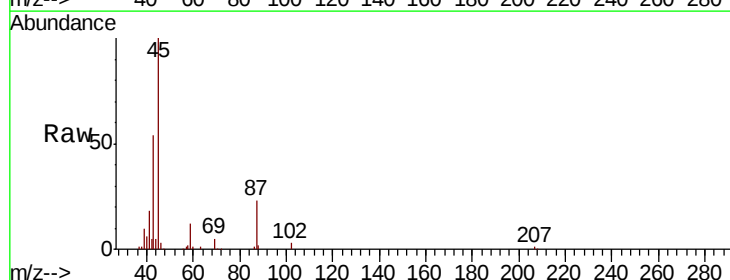
Ion Ratio Lower Upper

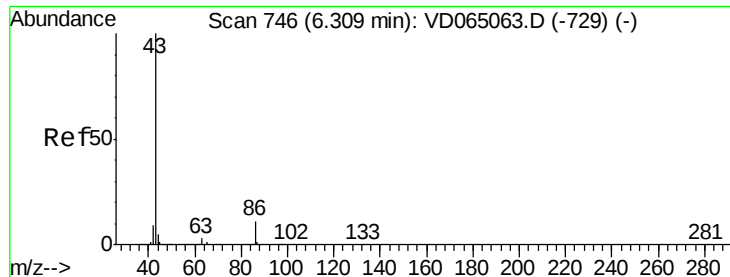
45 100

43 53.2 41.3 61.9

87 23.4 21.0 31.6

59 11.8 8.2 12.4





#23

Vinyl Acetate

Concen: 105.403 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

Instrument :

MSVOA_D

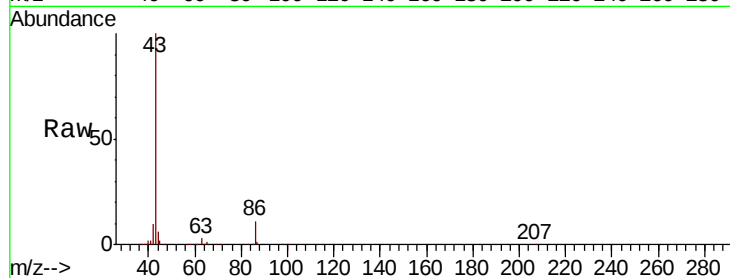
ClientSampleId :

Tot Ion: 43 Resp: 735733

Ion Ratio Lower Upper

43 100

86 10.9 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

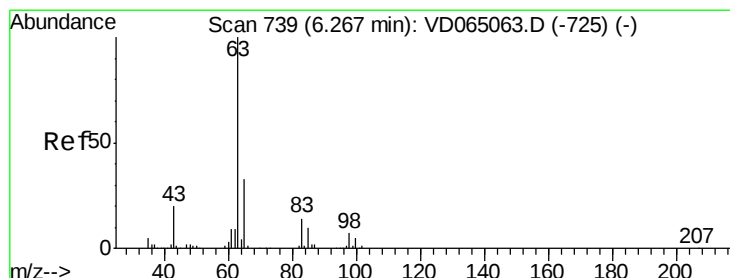
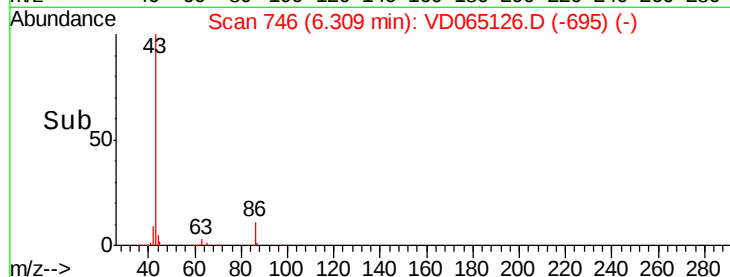
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 22.865 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

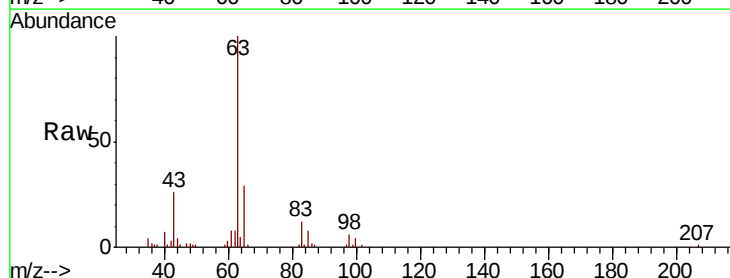
Tgt Ion: 63 Resp: 173321

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

100 4.0 2.5 7.6



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

60000

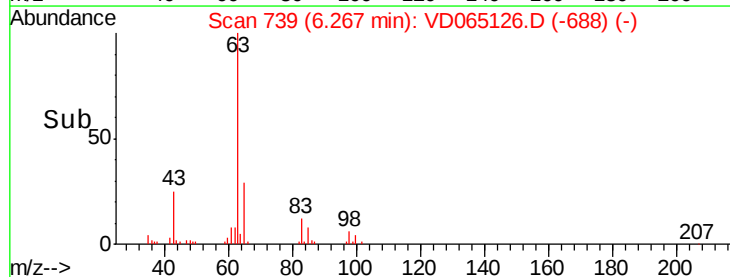
40000

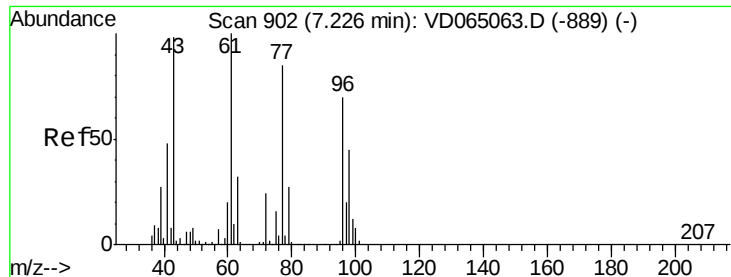
20000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 109.747 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

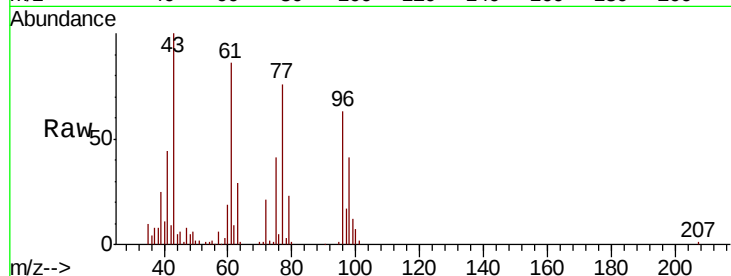
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 125891

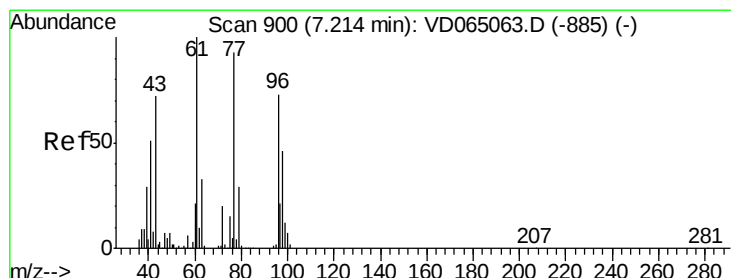
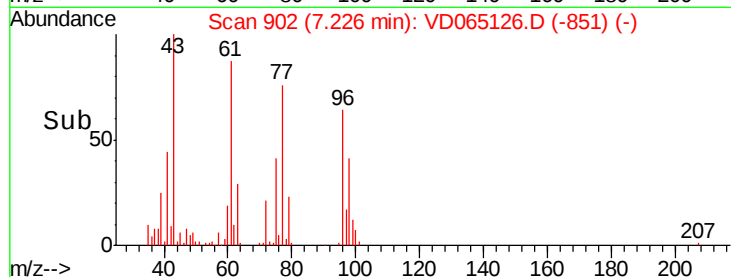
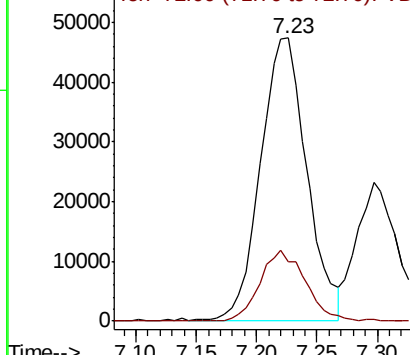
Ion Ratio Lower Upper

43 100

72 20.8 19.9 29.9



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



#26

2,2-Dichloropropane

Concen: 23.361 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065126.D

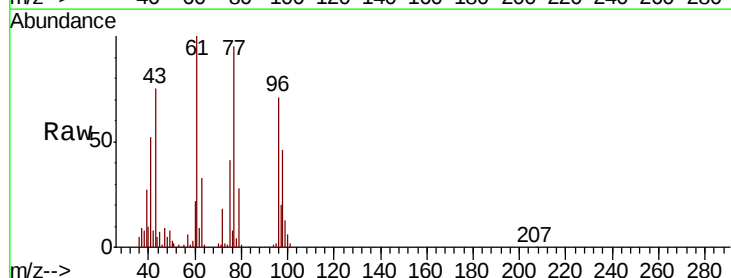
Acq: 10 Feb 2020 11:59

Tgt Ion: 77 Resp: 158721

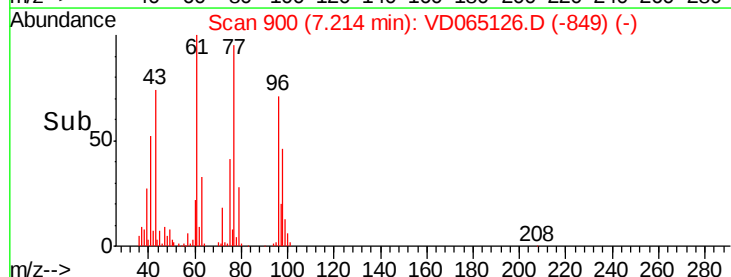
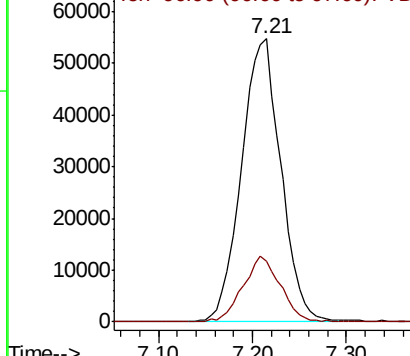
Ion Ratio Lower Upper

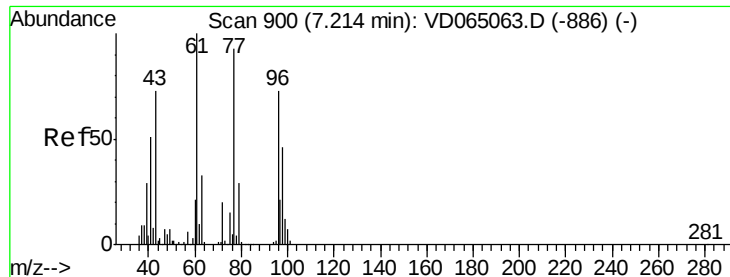
77 100

97 21.9 10.9 32.6



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: 22.009 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

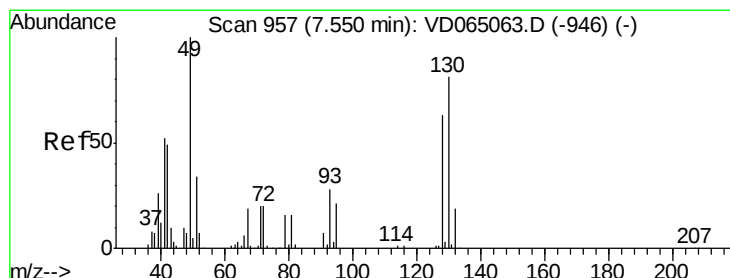
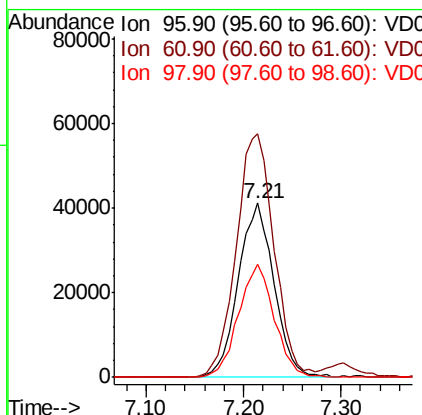
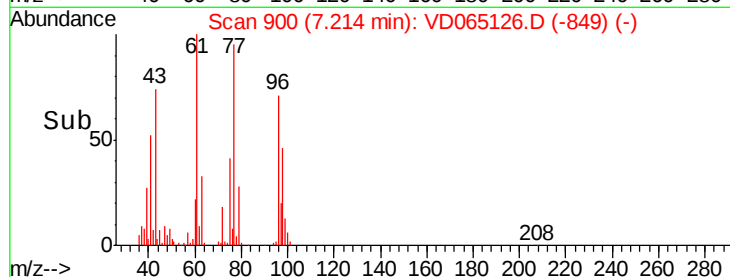
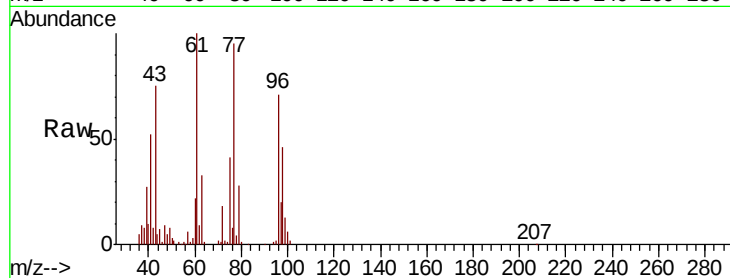
Tot Ion: 96 Resp: 105678

Ion Ratio Lower Upper

96 100

61 147.6 0.0 292.8

98 65.2 0.0 128.8



#28

Bromochloromethane

Concen: 20.911 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

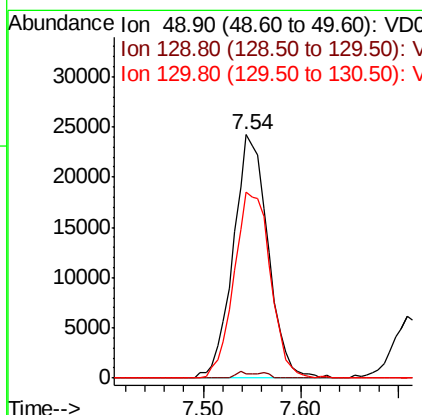
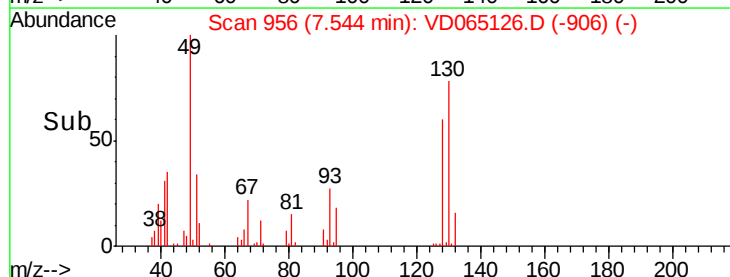
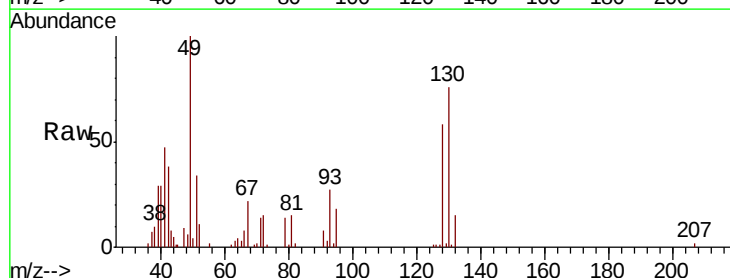
Tgt Ion: 49 Resp: 60085

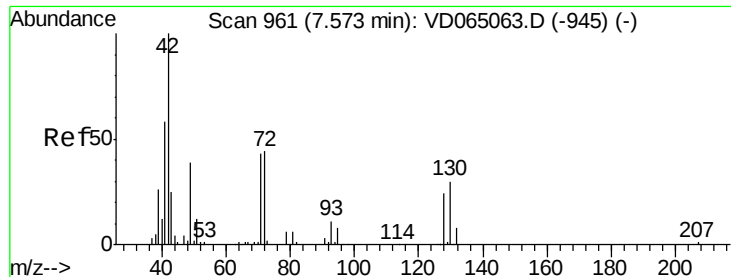
Ion Ratio Lower Upper

49 100

129 1.1 0.0 4.4

130 80.0 63.8 95.8

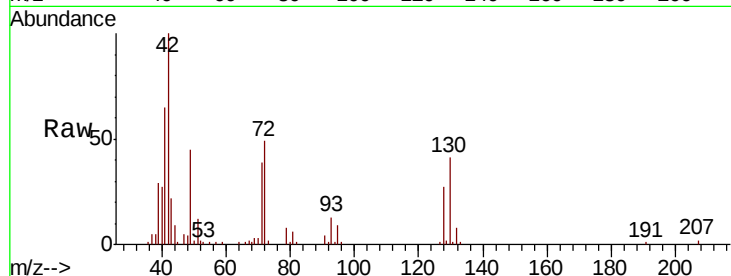




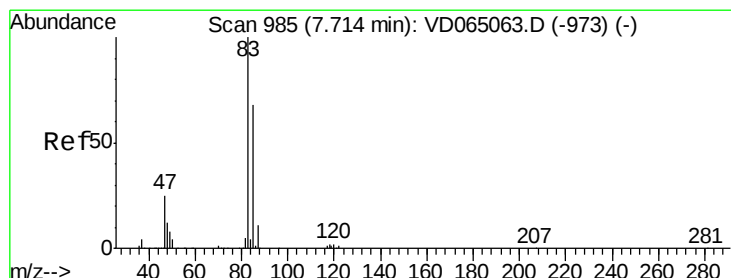
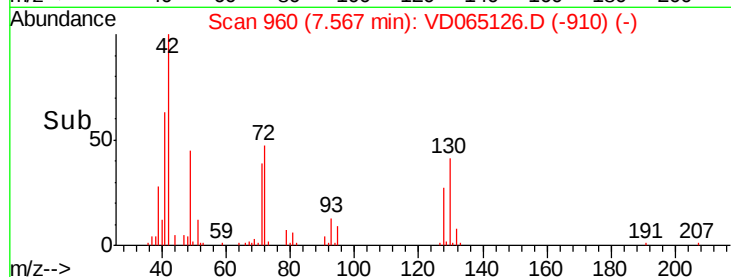
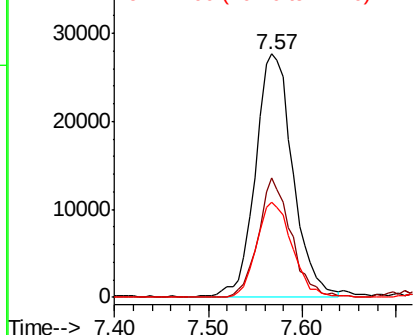
#29
Tetrahydrofuran
Concen: 109.888 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 76229
Ion Ratio Lower Upper
42 100
72 43.2 34.2 51.4
71 37.2 31.8 47.6

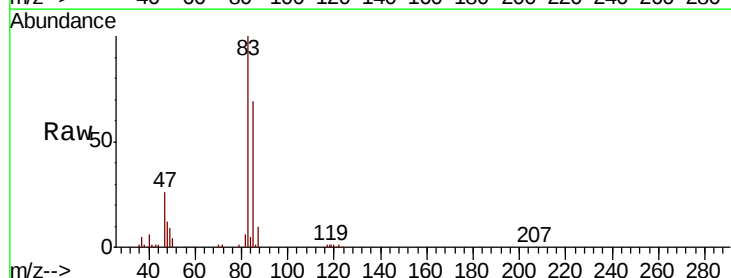


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

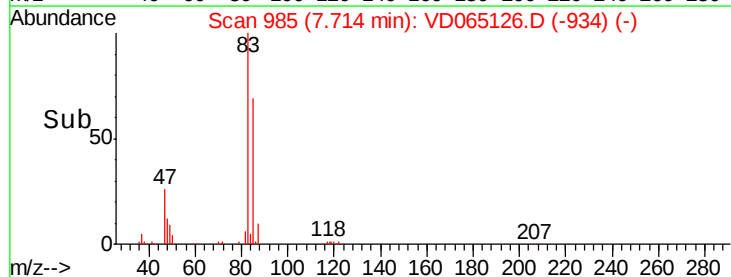
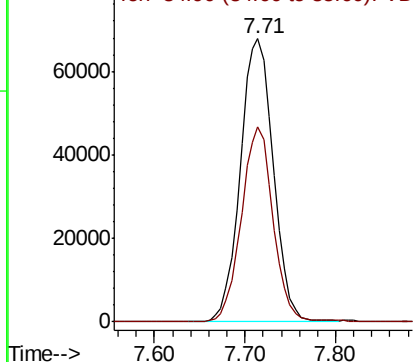


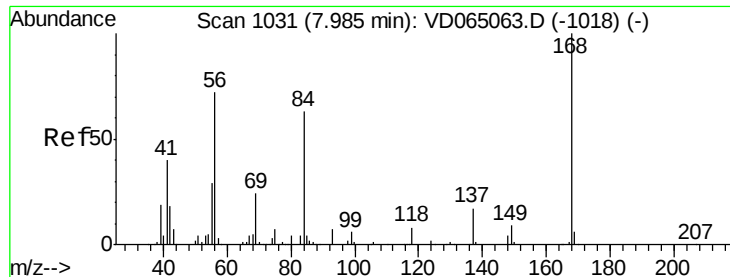
#30
Chloroform
Concen: 22.675 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

Tgt Ion: 83 Resp: 171138
Ion Ratio Lower Upper
83 100
85 68.8 54.2 81.4



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

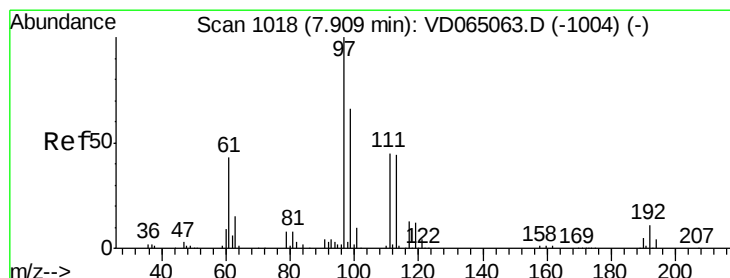
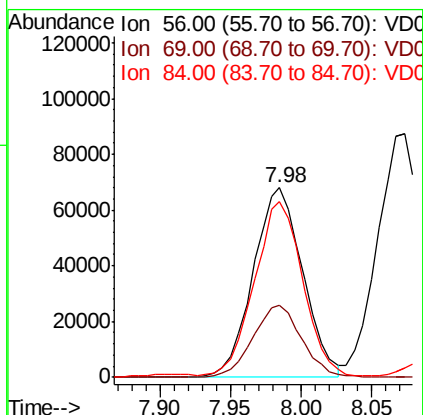
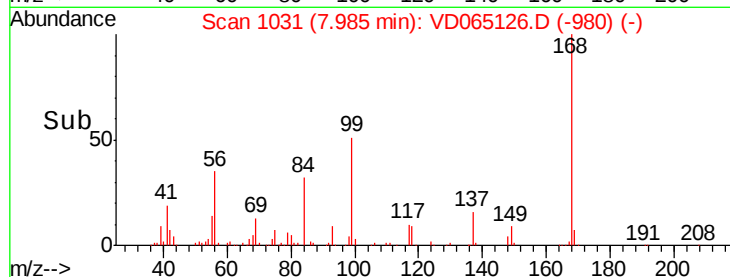
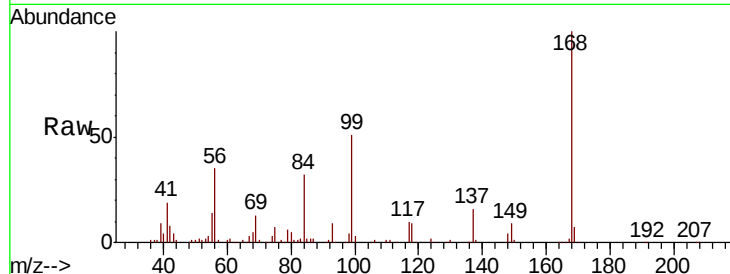




#31
Cyclohexane
Concen: 21.811 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

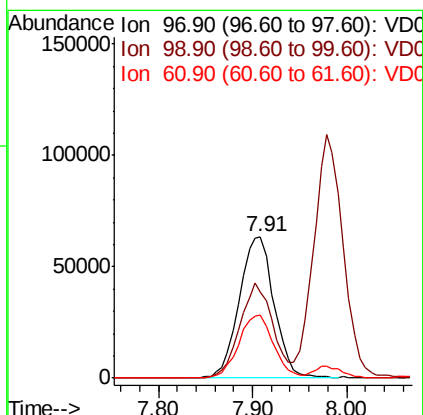
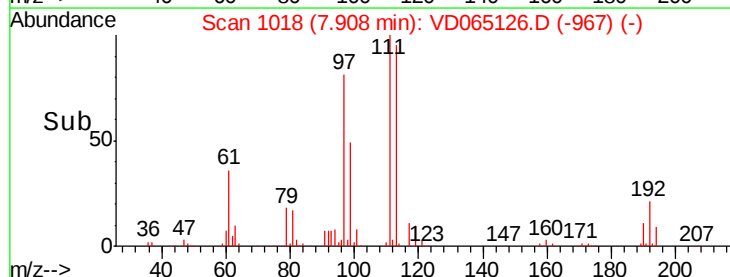
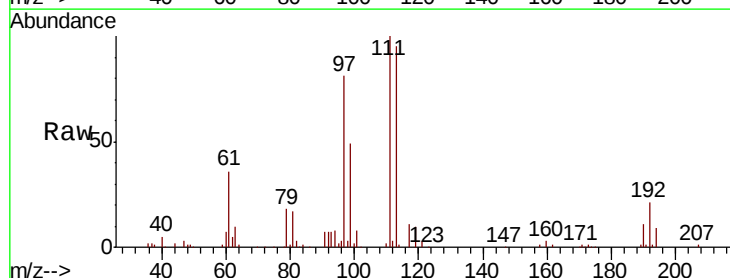
Instrument :
MSVOA_D
ClientSampled :

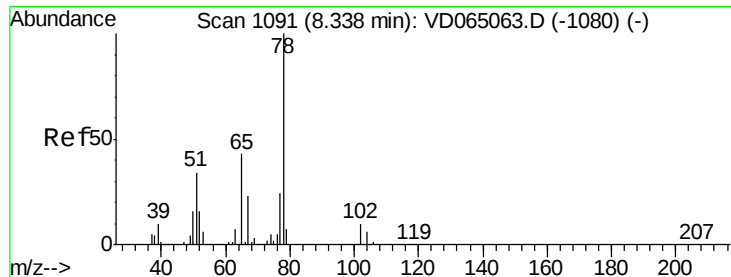
Tot Ion: 56 Resp: 166886
Ion Ratio Lower Upper
56 100
69 38.4 26.6 40.0
84 91.4 70.6 106.0



#32
1,1,1-Trichloroethane
Concen: 23.152 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

Tgt Ion: 97 Resp: 162772
Ion Ratio Lower Upper
97 100
99 64.6 51.5 77.3
61 44.3 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 55.970 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

Instrument :

MSVOA_D

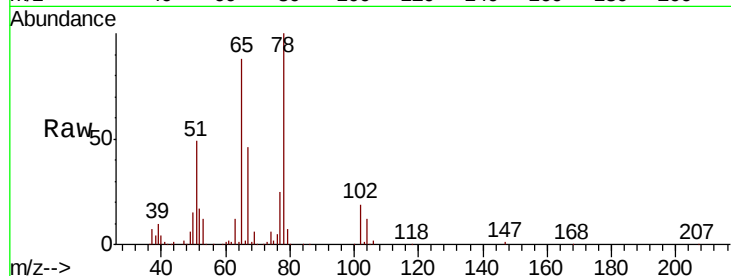
ClientSampleId :

Tot Ion: 65 Resp: 215279

Ion Ratio Lower Upper

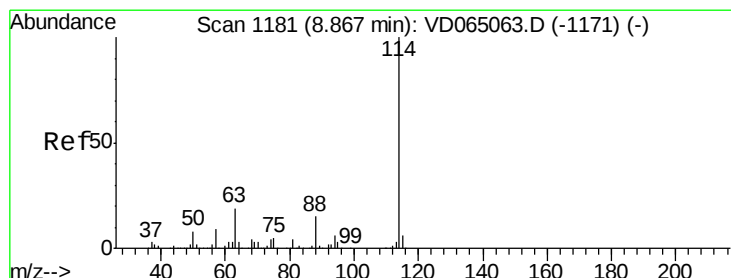
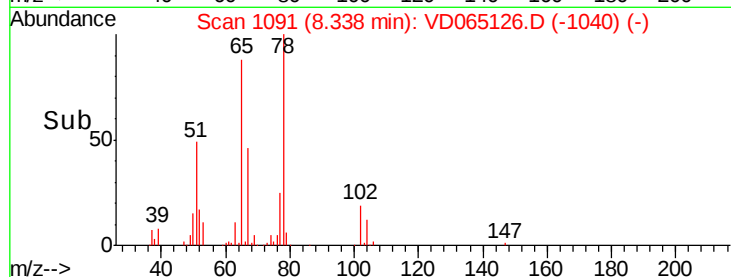
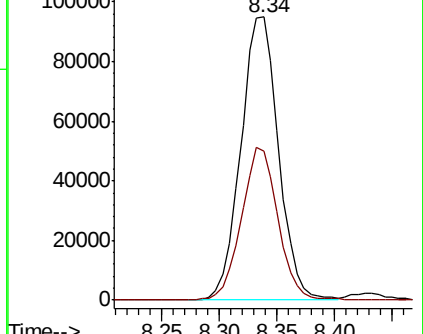
65 100

67 52.4 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

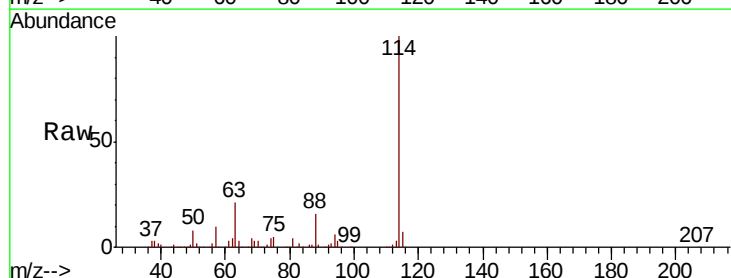
Tgt Ion: 114 Resp: 662243

Ion Ratio Lower Upper

114 100

63 20.9 0.0 38.8

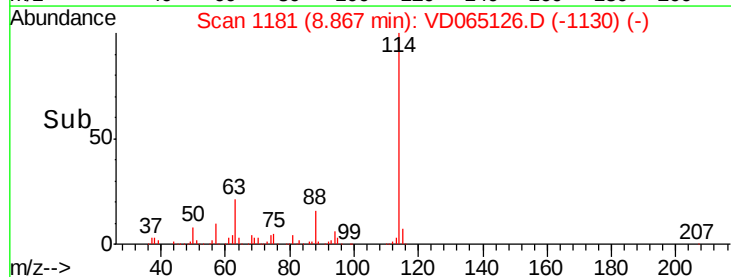
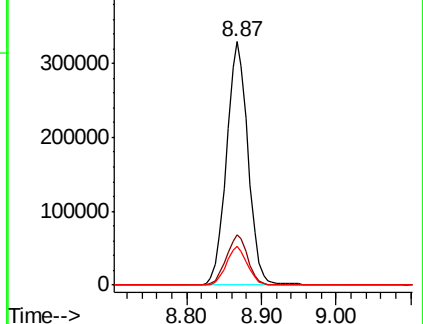
88 15.9 0.0 29.6

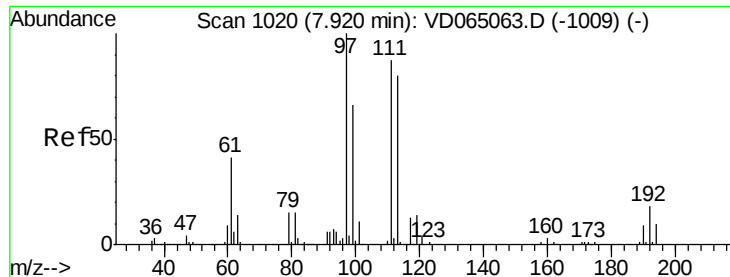


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

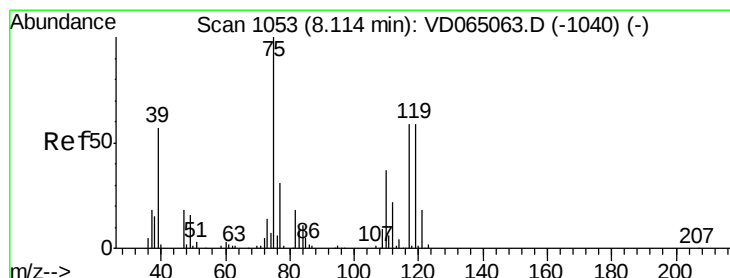
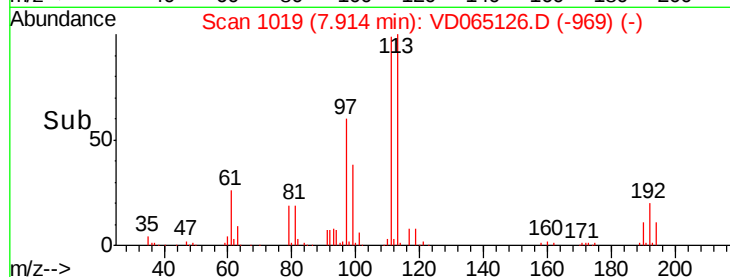
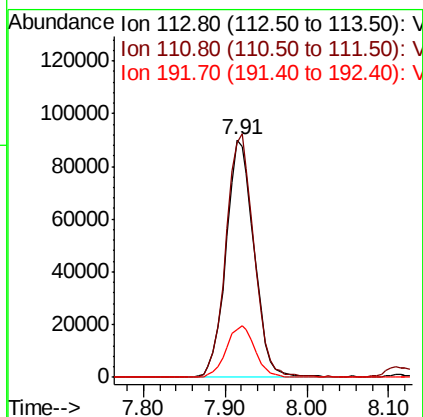
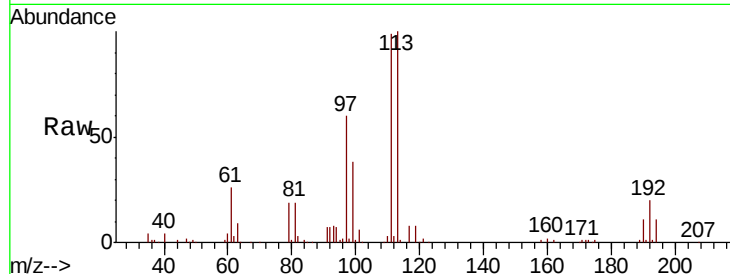




#35
 Dibromofluoromethane
 Concen: 57.726 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065126.D
 Acq: 10 Feb 2020 11:59

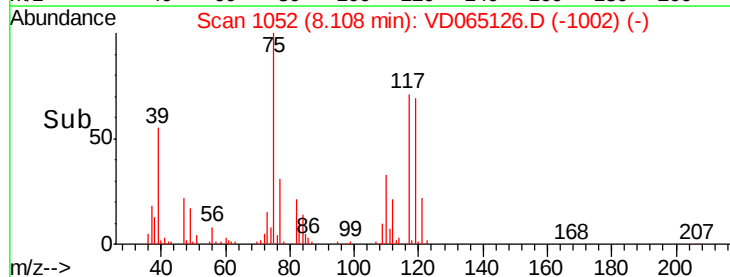
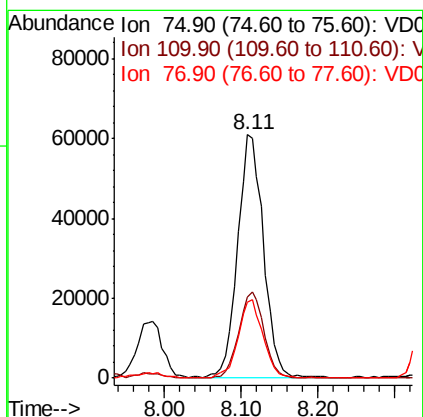
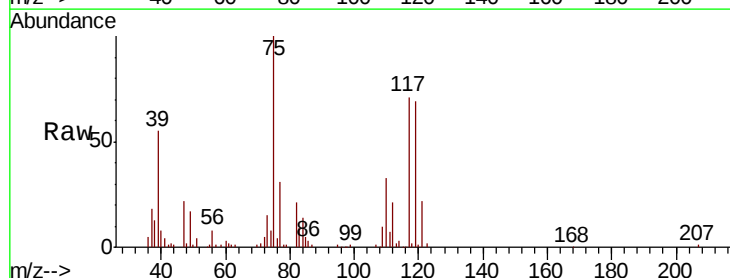
Instrument :
 MSVOA_D
 ClientSampleID :

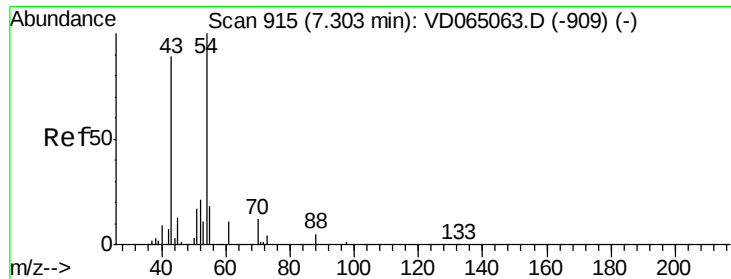
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.1	124.7
192	22.2	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 23.467 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD065126.D
 Acq: 10 Feb 2020 11:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	18.1	54.3
77	30.8	24.7	37.1

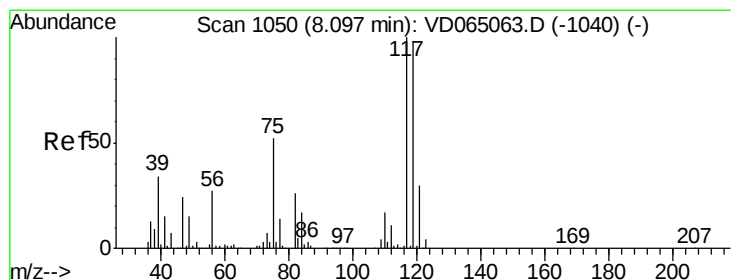
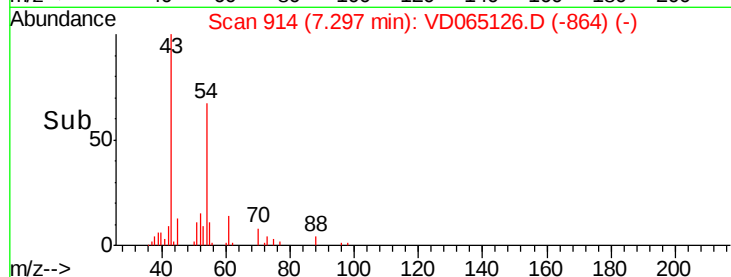
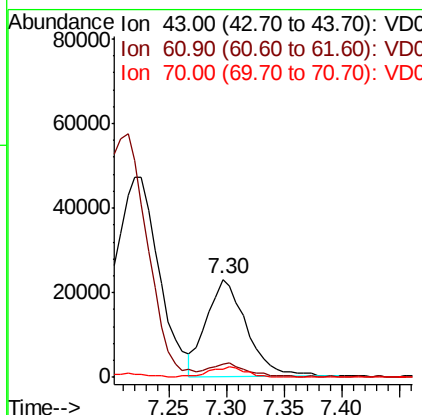
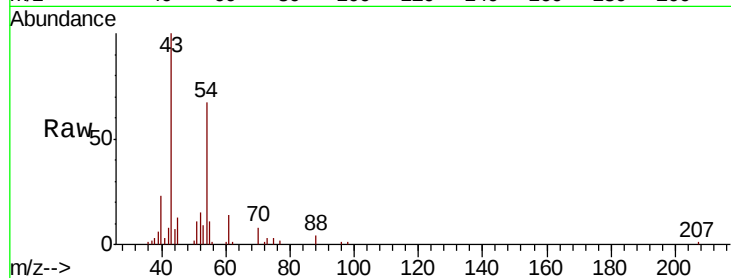




#37
Ethyl Acetate
Concen: 22.008 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

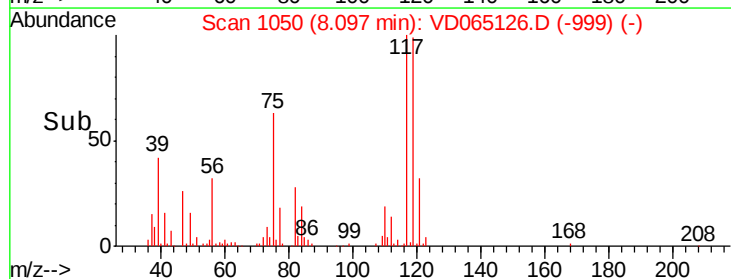
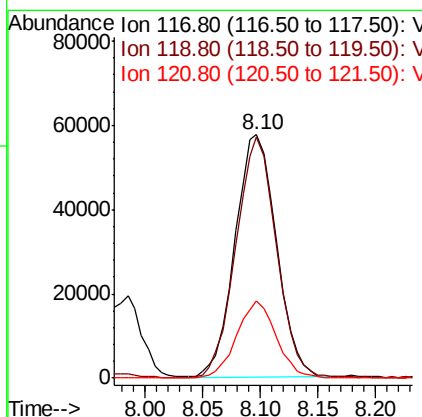
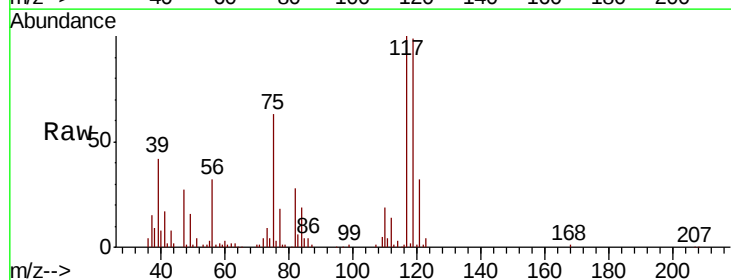
Instrument :
MSVOA_D
ClientSampleId :

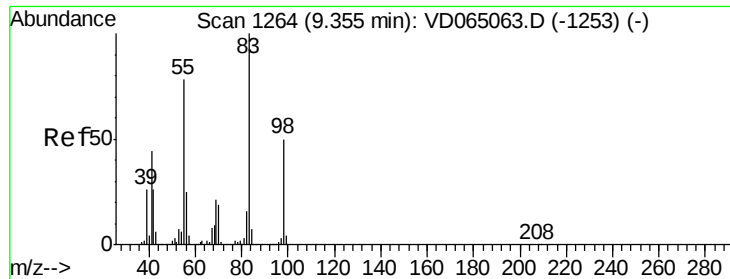
Tot Ion: 43 Resp: 55367
Ion Ratio Lower Upper
43 100
61 13.2 11.0 16.4
70 9.7 8.2 12.2



#38
Carbon Tetrachloride
Concen: 22.865 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

Tgt Ion: 117 Resp: 143806
Ion Ratio Lower Upper
117 100
119 99.3 78.5 117.7
121 32.0 23.8 35.6

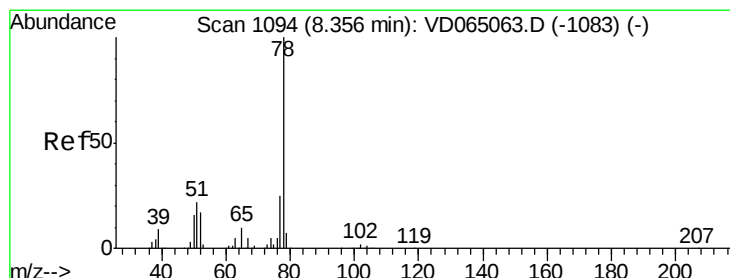
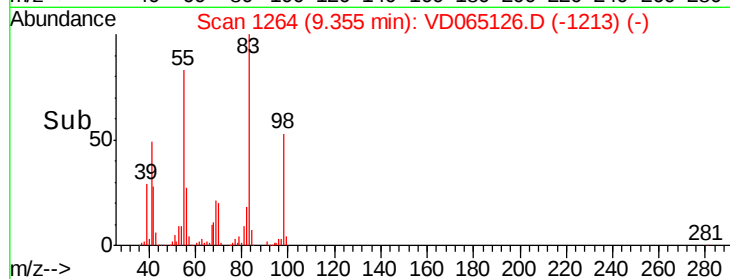
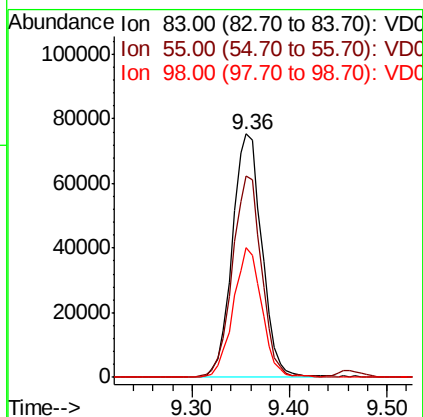
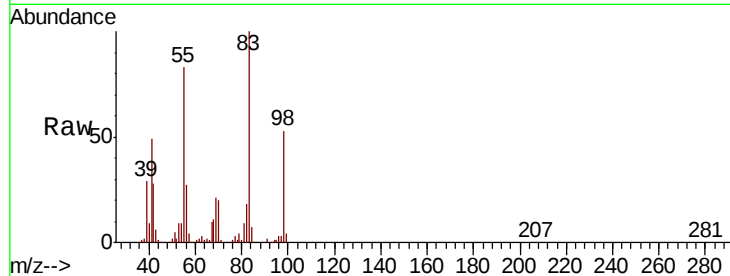




#39
Methvlcvclohexane
Concen: 20.959 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

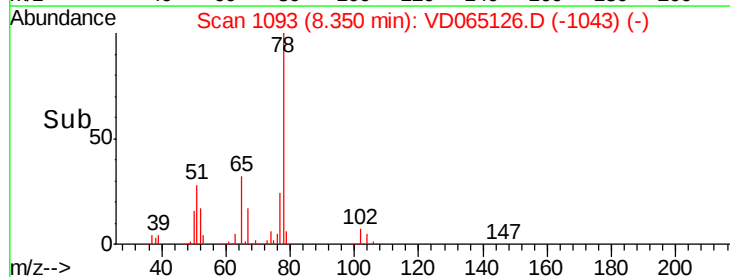
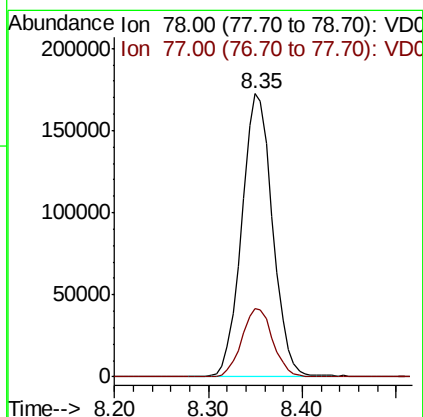
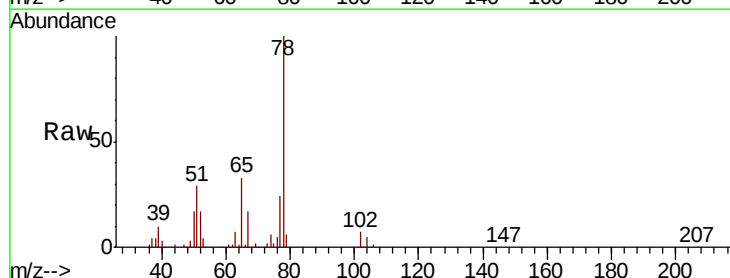
Instrument :
MSVOA_D
ClientSampleId :

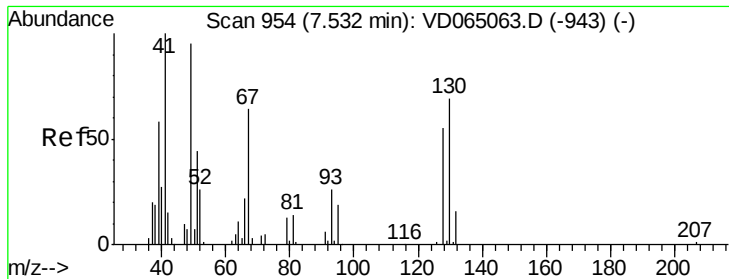
Tot Ion: 83 Resp: 159306
Ion Ratio Lower Upper
83 100
55 82.9 62.0 93.0
98 53.0 39.9 59.9



#40
Benzene
Concen: 23.019 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

Tgt Ion: 78 Resp: 391427
Ion Ratio Lower Upper
78 100
77 24.1 19.6 29.4

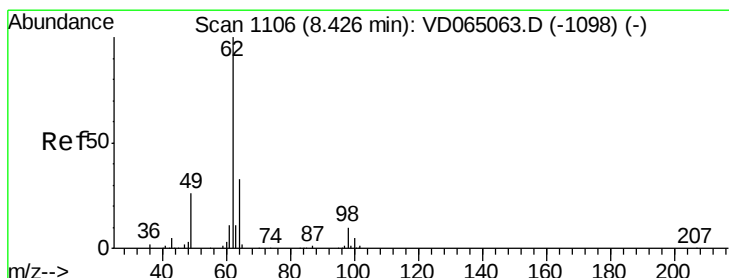
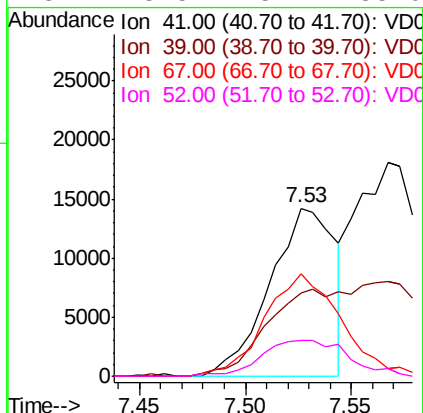
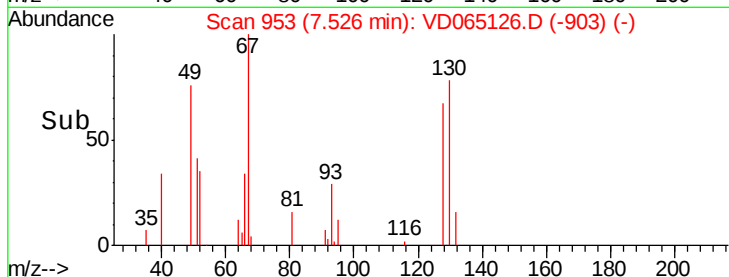
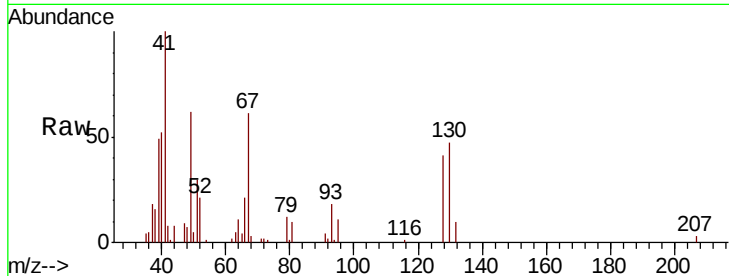




#41
Methacrylonitrile
Concen: 22.025 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

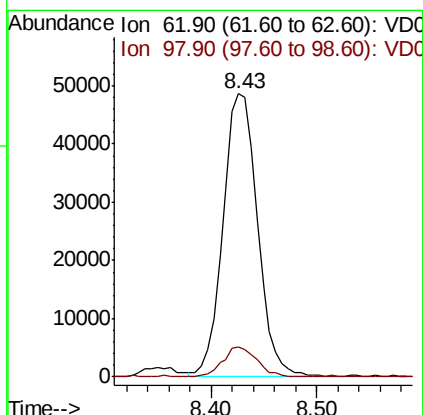
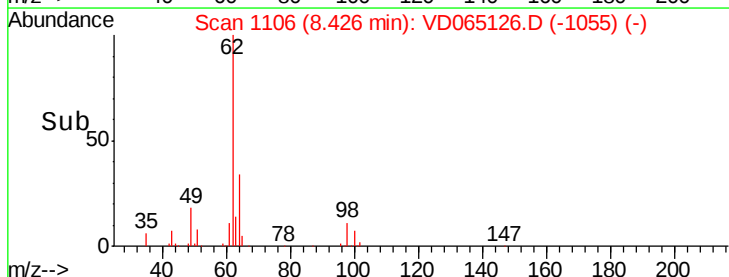
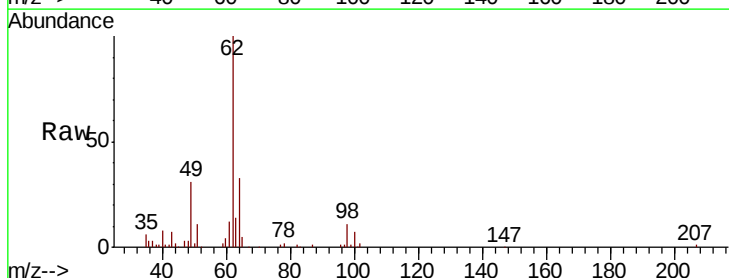
Instrument :
MSVOA_D
ClientSampleId :

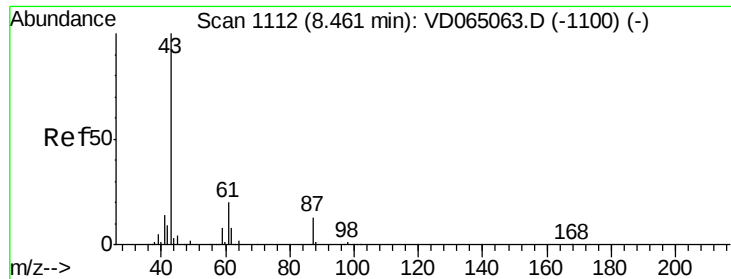
Tot Ion:	41	Resp:	30526
Ion	Ratio	Lower	Upper
41	100		
39	48.5	55.4	83.0#
67	72.3	59.0	88.6
52	28.5	25.4	38.0



#42
1,2-Dichloroethane
Concen: 22.707 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

Tgt Ion:	62	Resp:	110022
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	18.6





#43

Isopropyl Acetate

Concen: 21.506 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

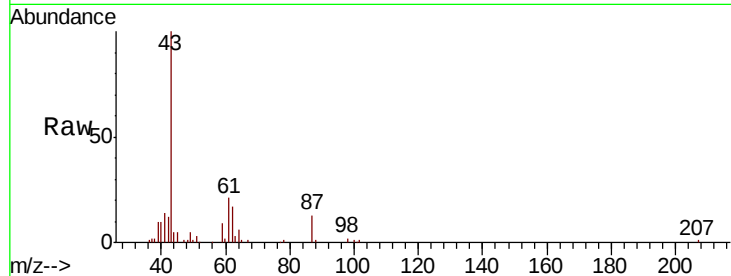
Tot Ion: 43 Resp: 103496

Ion Ratio Lower Upper

43 100

61 29.7 24.0 36.0

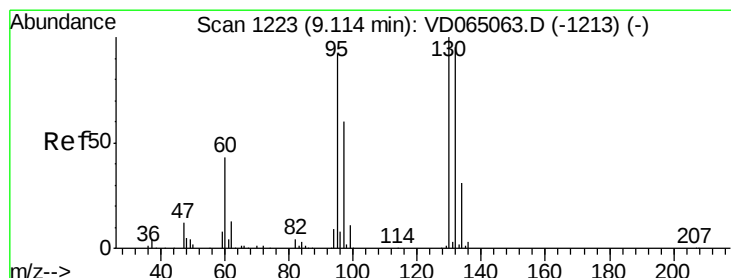
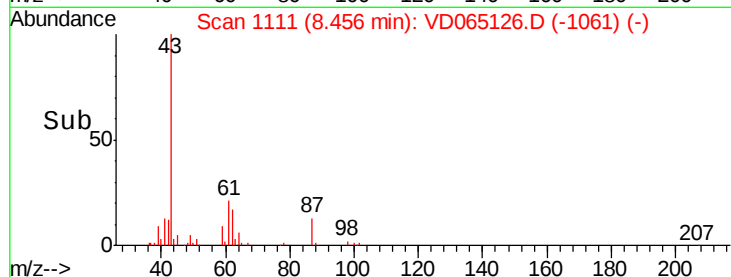
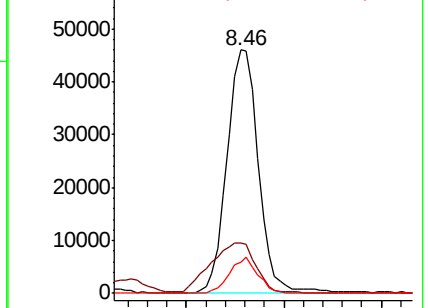
87 13.0 10.2 15.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 22.745 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065126.D

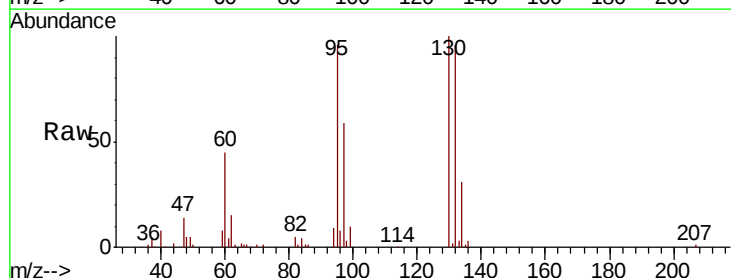
Acq: 10 Feb 2020 11:59

Tgt Ion:130 Resp: 111017

Ion Ratio Lower Upper

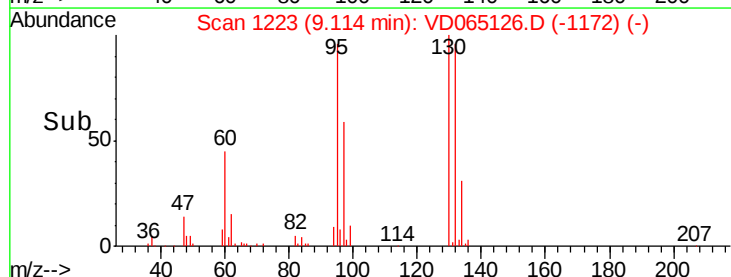
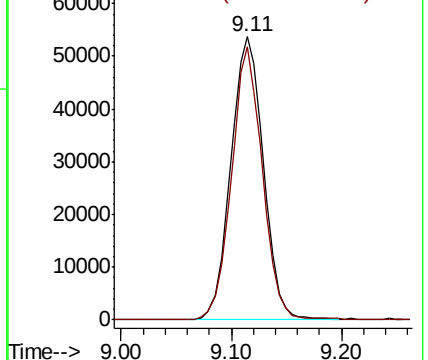
130 100

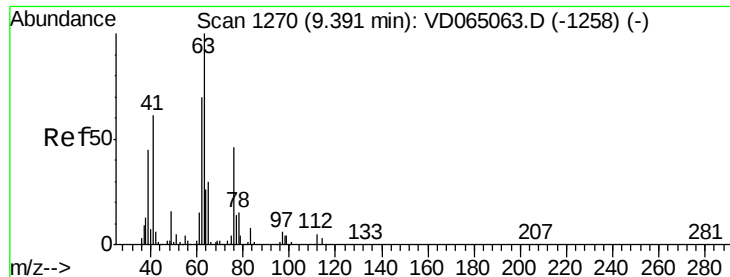
95 96.3 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

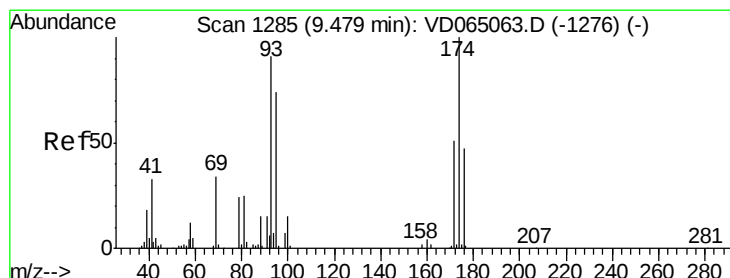
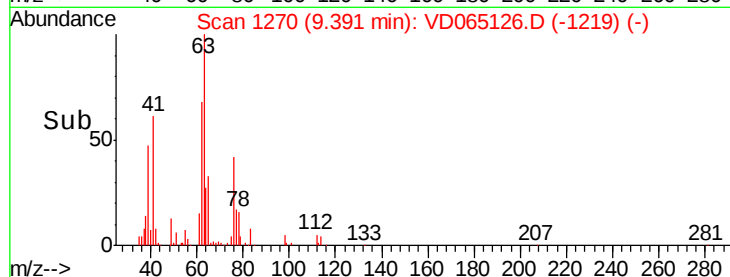
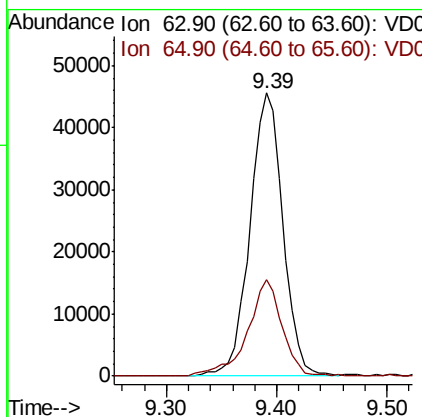
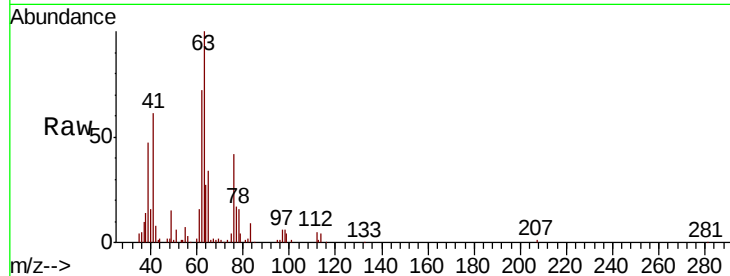




#45
 1,2-Dichloropropane
 Concen: 23.494 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065126.D
 Acq: 10 Feb 2020 11:59

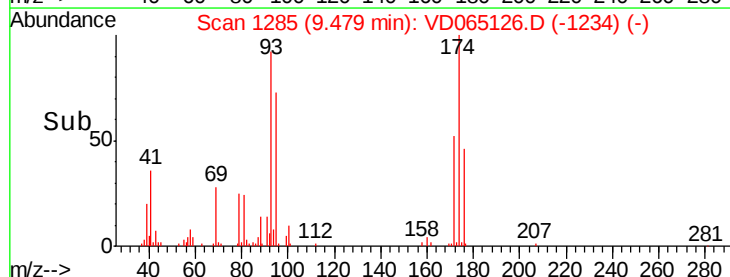
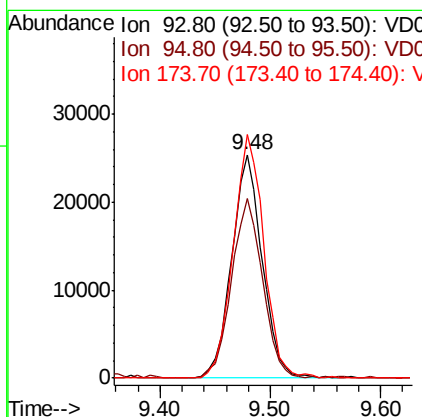
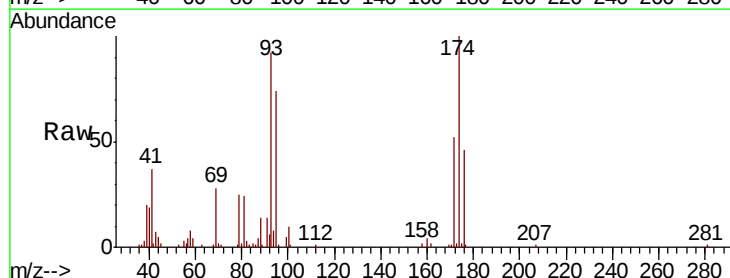
Instrument :
 MSVOA_D
 ClientSampled :

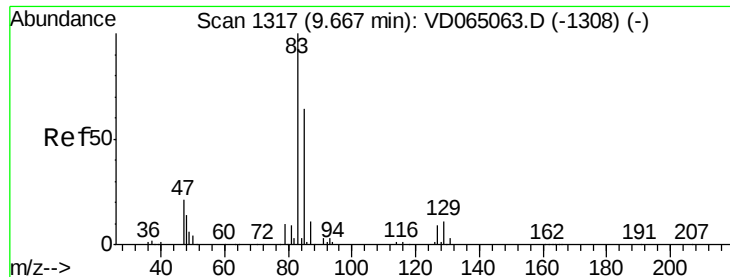
Tot Ion: 63 Resp: 95788
 Ion Ratio Lower Upper
 63 100
 65 33.9 23.9 35.9



#46
 Dibromomethane
 Concen: 22.968 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065126.D
 Acq: 10 Feb 2020 11:59

Tgt Ion: 93 Resp: 49208
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.5 99.7
 174 109.4 89.8 134.8





#47

Bromodichloromethane

Concen: 23.400 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

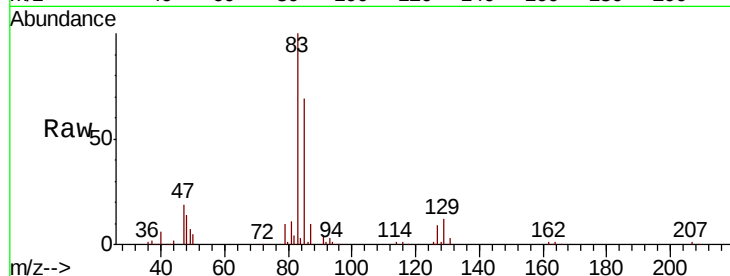
Tot Ion: 83 Resp: 132094

Ion Ratio Lower Upper

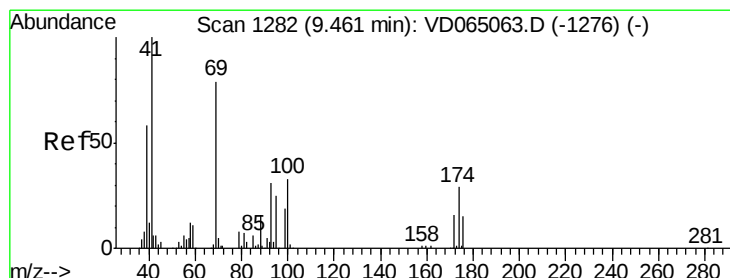
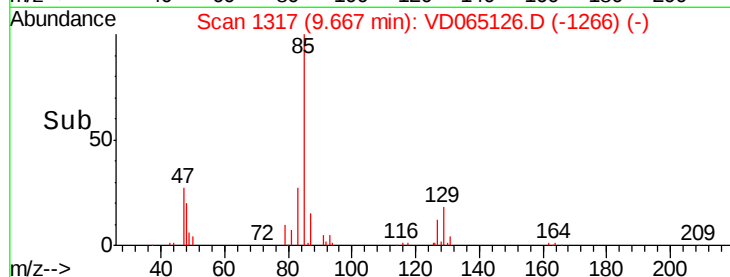
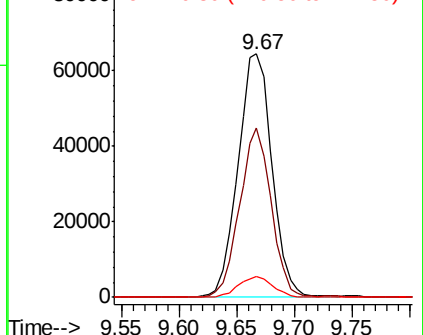
83 100

85 69.4 51.0 76.6

127 8.6 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): VDC



#48

Methyl methacrylate

Concen: 20.908 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

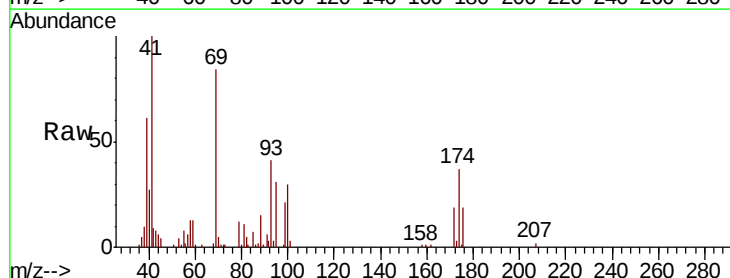
Tgt Ion: 41 Resp: 48416

Ion Ratio Lower Upper

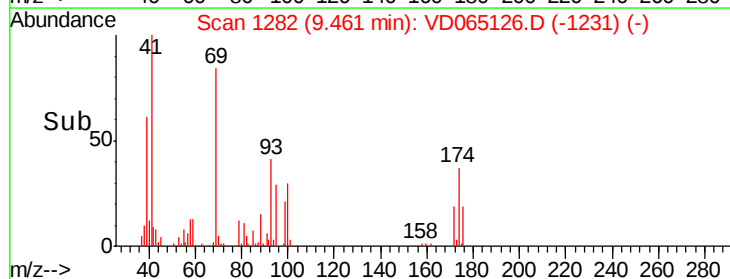
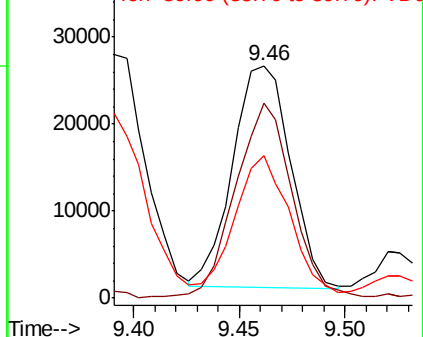
41 100

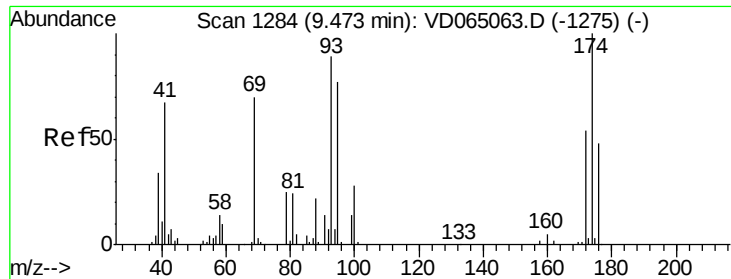
69 86.7 67.5 101.3

39 58.1 47.0 70.4



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: 425.217 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

Instrument :

MSVOA_D

ClientSampled :

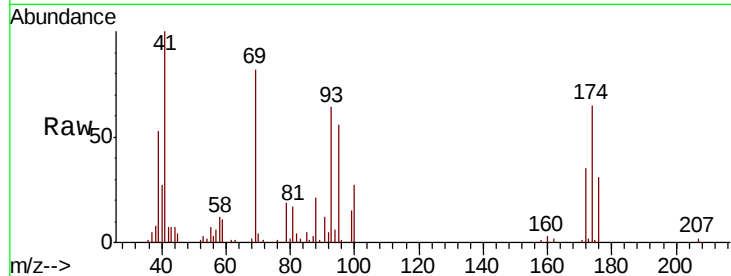
Tot Ion: 88 Resp: 10790

Ion Ratio Lower Upper

88 100

43 44.5 27.7 41.5#

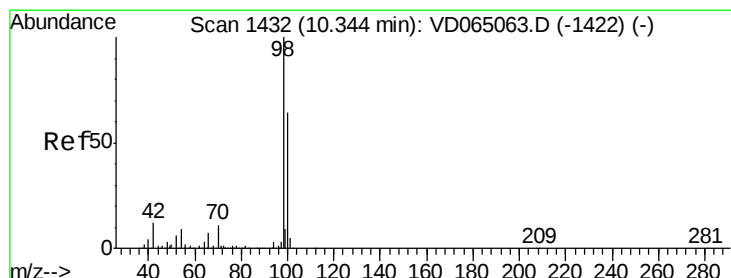
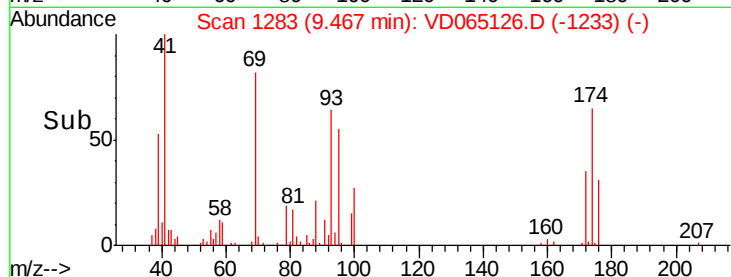
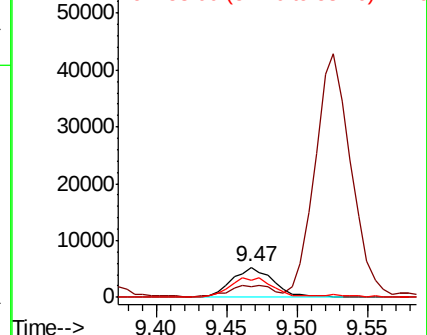
58 70.4 55.5 83.3



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 57.132 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065126.D

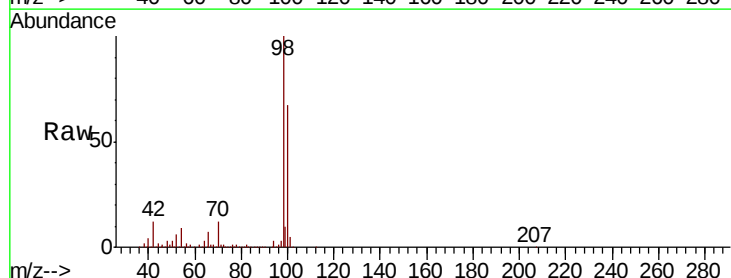
Acq: 10 Feb 2020 11:59

Tgt Ion: 98 Resp: 840234

Ion Ratio Lower Upper

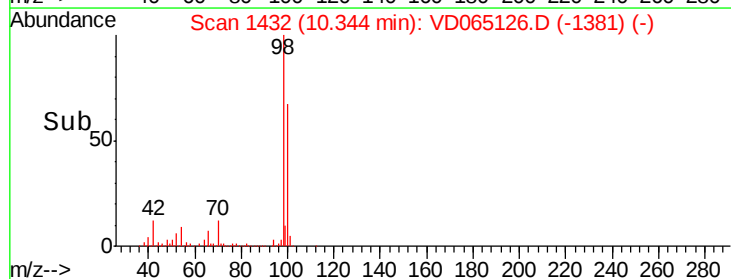
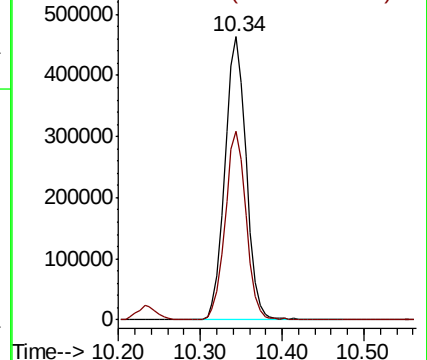
98 100

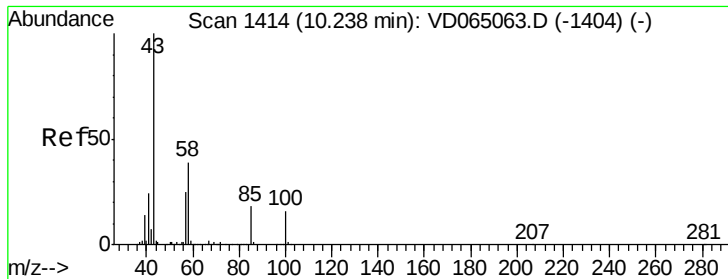
100 65.8 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

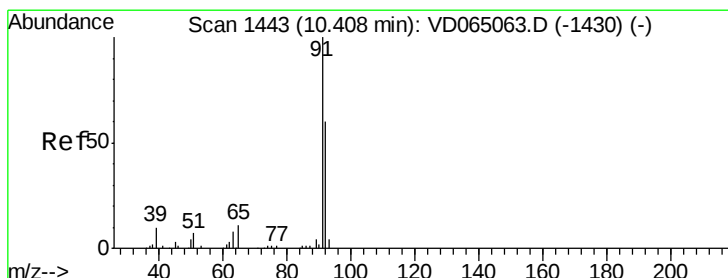
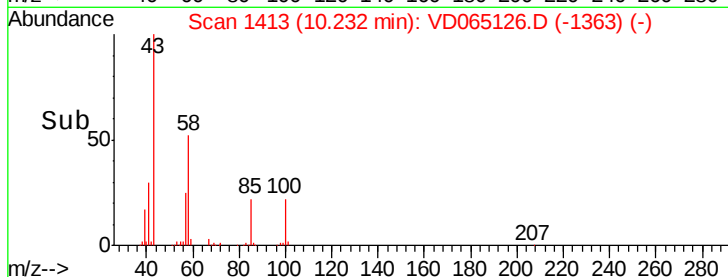
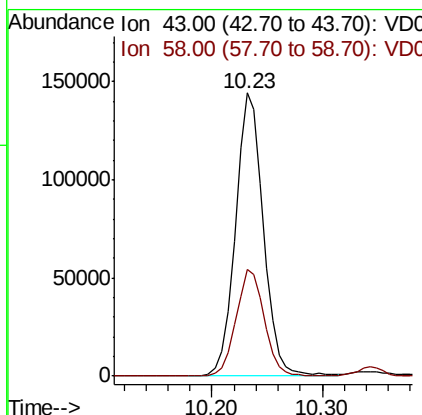
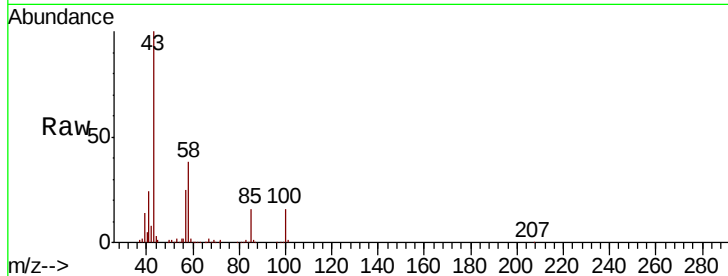




#51
4-Methyl-2-Pentanone
Concen: 108.030 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

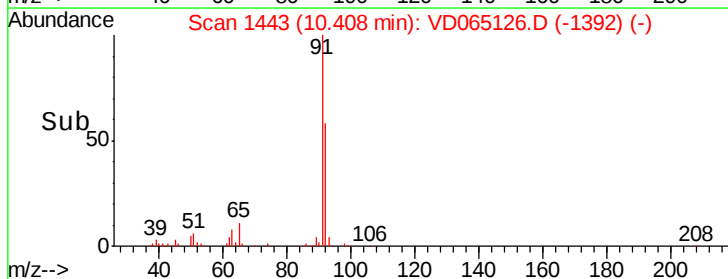
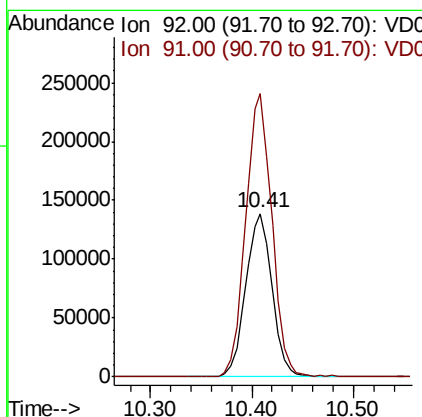
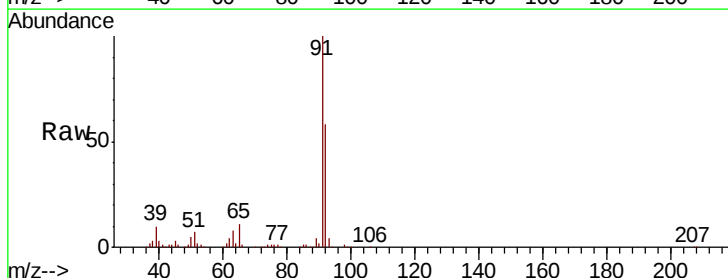
Instrument :
MSVOA_D
ClientSampleId :

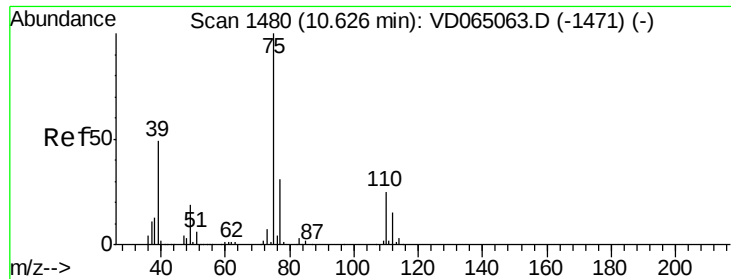
Tot Ion: 43 Resp: 255894
Ion Ratio Lower Upper
43 100
58 38.1 30.2 45.2



#52
Toluene
Concen: 22.966 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

Tgt Ion: 92 Resp: 249259
Ion Ratio Lower Upper
92 100
91 173.1 135.3 202.9





#53

t-1,3-Dichloropropene

Concen: 22.499 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

Instrument :

MSVOA_D

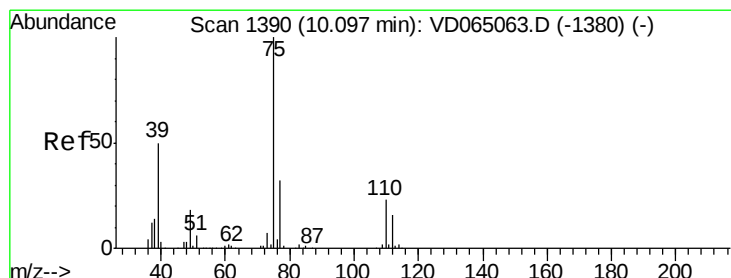
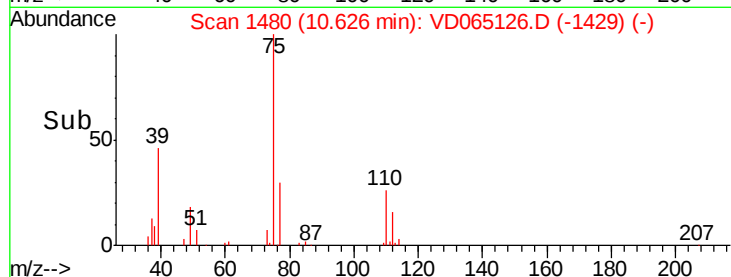
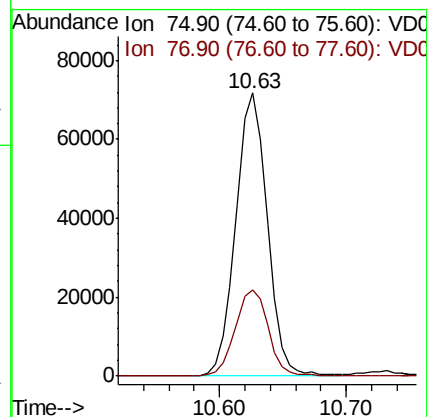
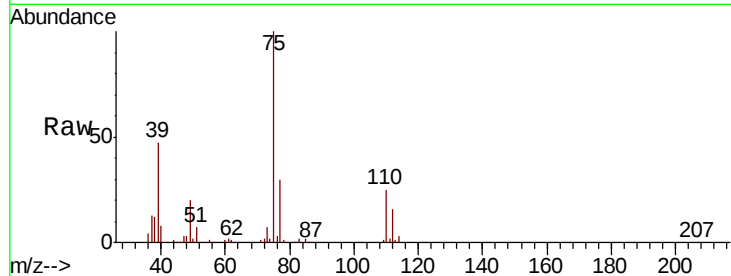
ClientSampleId :

Tot Ion: 75 Resp: 123659

Ion Ratio Lower Upper

75 100

77 30.4 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 22.455 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

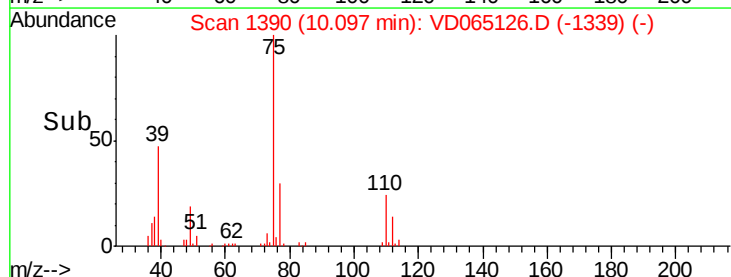
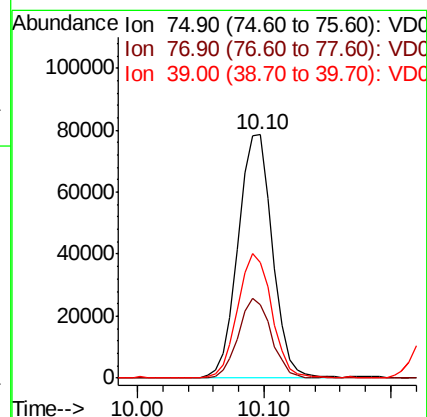
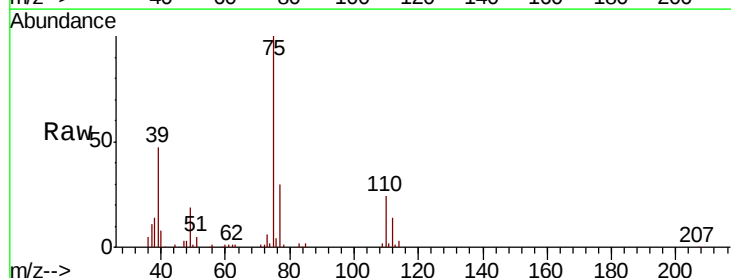
Tgt Ion: 75 Resp: 147607

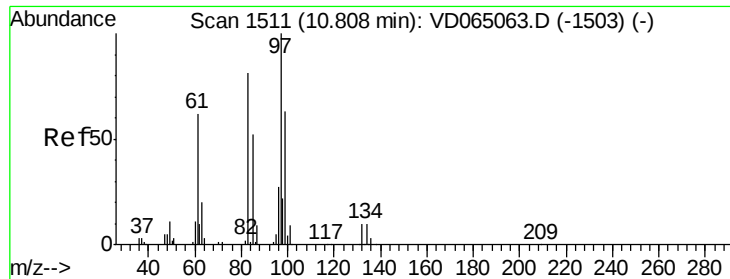
Ion Ratio Lower Upper

75 100

77 30.4 25.3 37.9

39 47.4 40.3 60.5

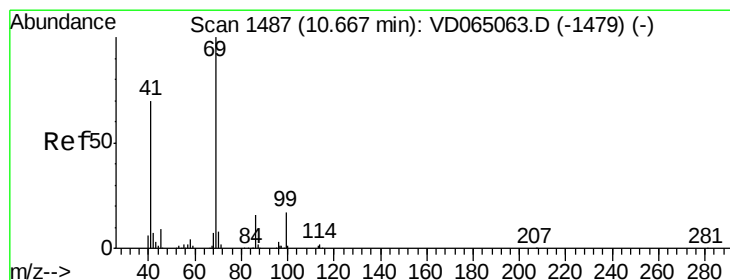
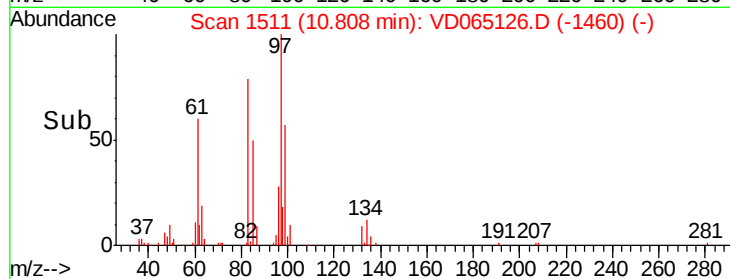
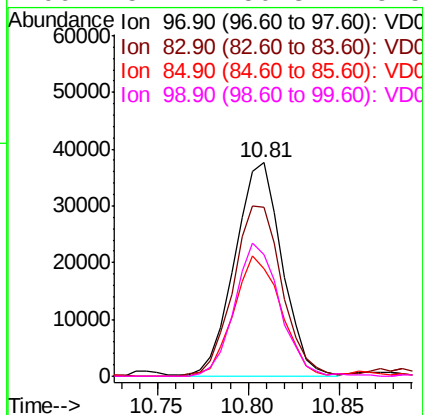
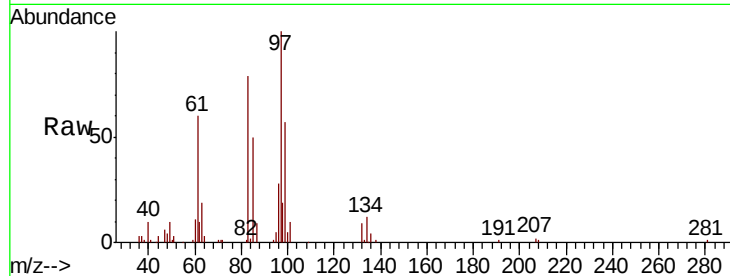




#55
 1,1,2-Trichloroethane
 Concen: 23.285 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065126.D
 Acq: 10 Feb 2020 11:59

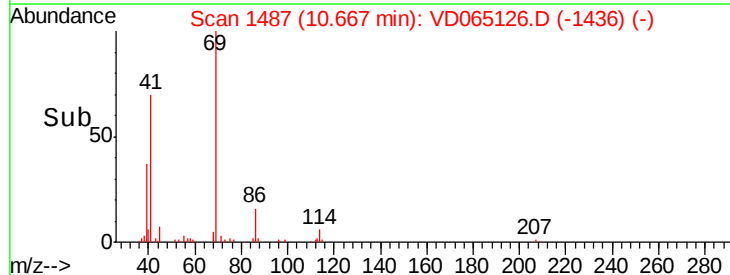
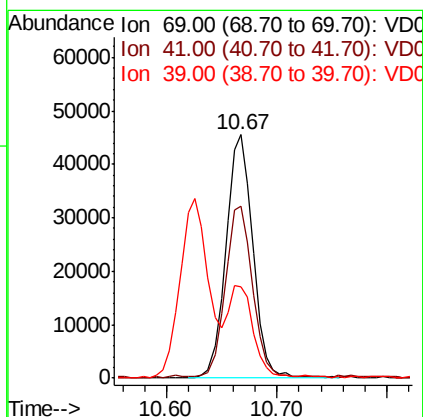
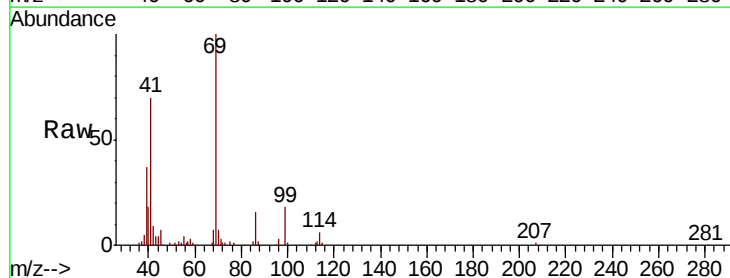
Instrument :
 MSVOA_D
 ClientSampleID :

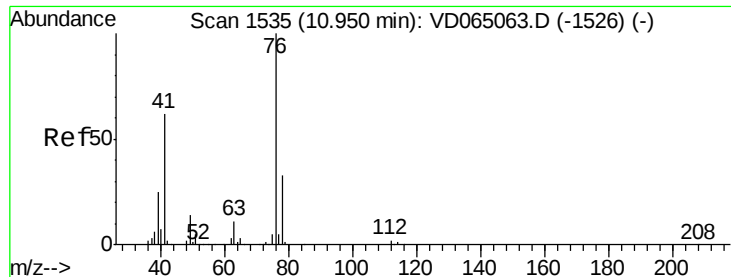
Tot Ion:	97	Resp:	68426
Ion	Ratio	Lower	Upper
97	100		
83	79.0	64.8	97.2
85	50.7	41.2	61.8
99	57.4	50.3	75.5



#56
 Ethyl methacrylate
 Concen: 20.906 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065126.D
 Acq: 10 Feb 2020 11:59

Tgt Ion:	69	Resp:	77733
Ion	Ratio	Lower	Upper
69	100		
41	69.8	55.9	83.9
39	34.6	29.4	44.0

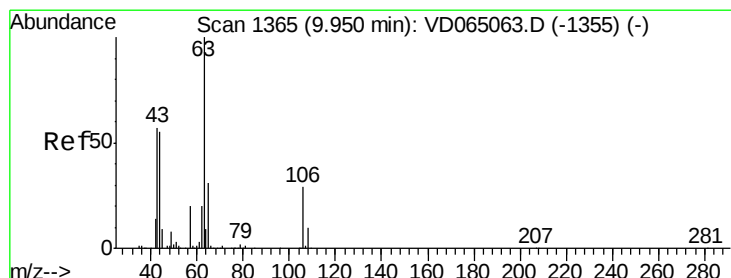
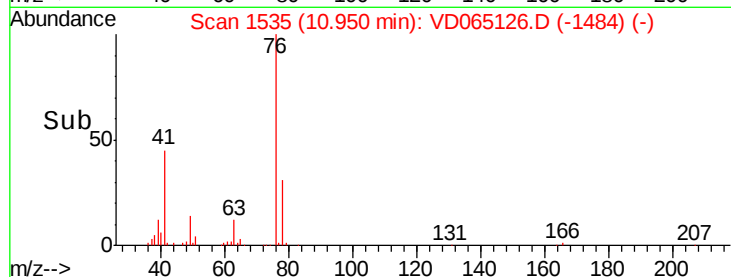
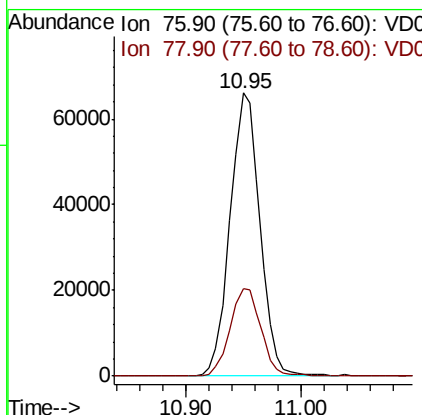
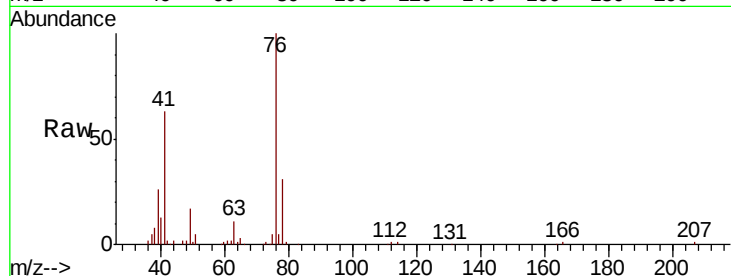




#57
 1,3-Dichloropropane
 Concen: 22.883 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065126.D
 Acq: 10 Feb 2020 11:59

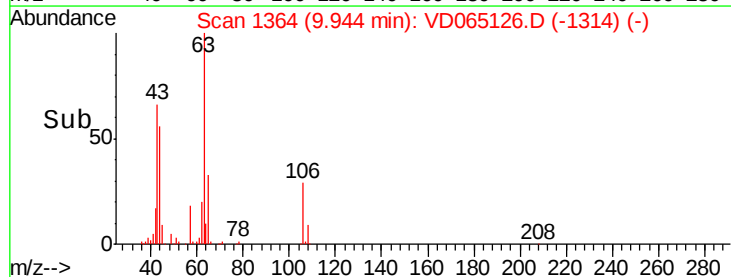
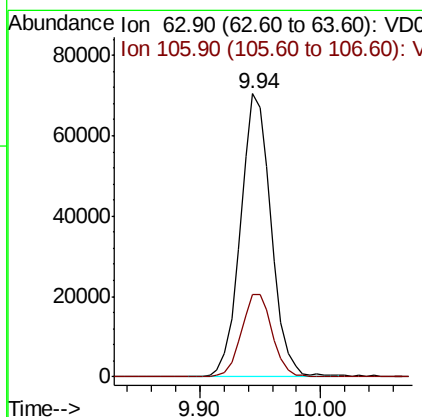
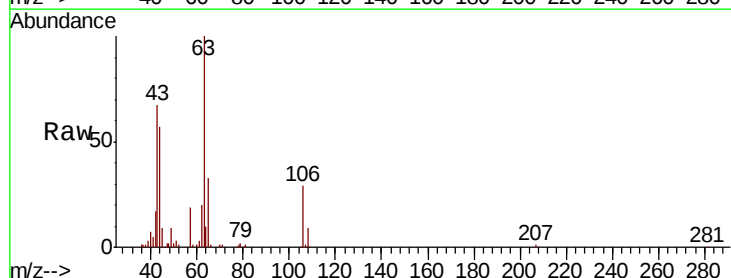
Instrument :
 MSVOA_D
 ClientSampleId :

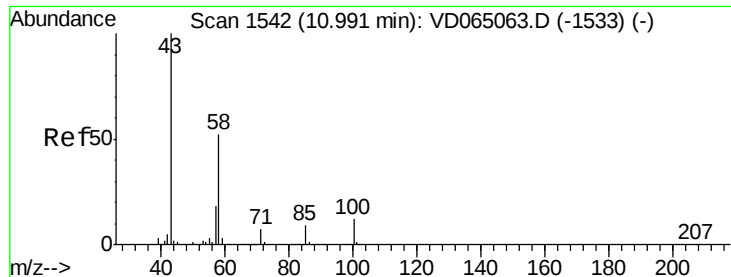
Tot Ion: 76 Resp: 118244
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.521 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065126.D
 Acq: 10 Feb 2020 11:59

Tgt Ion: 63 Resp: 124422
 Ion Ratio Lower Upper
 63 100
 106 29.5 23.3 34.9

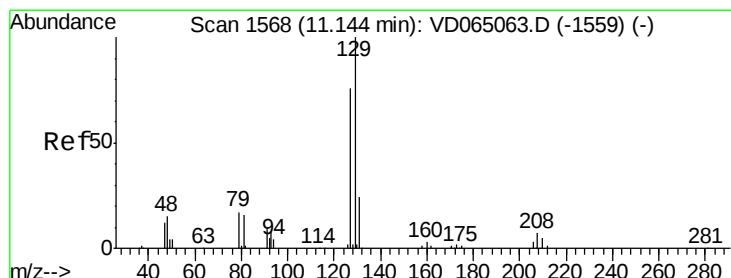
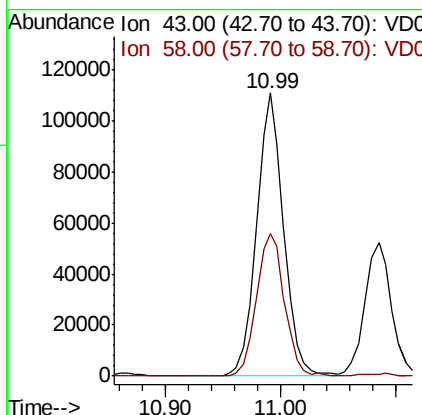
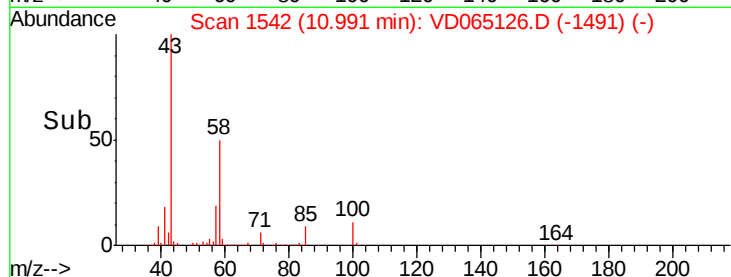
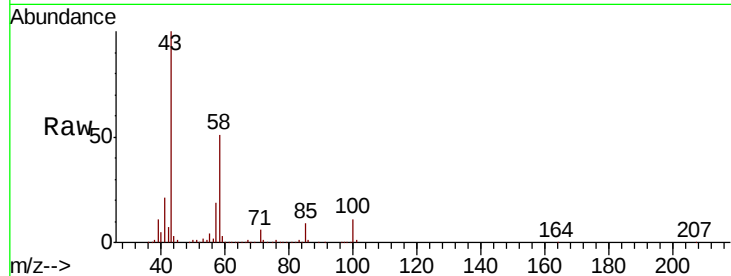




#59
2-Hexanone
Concen: 107.408 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

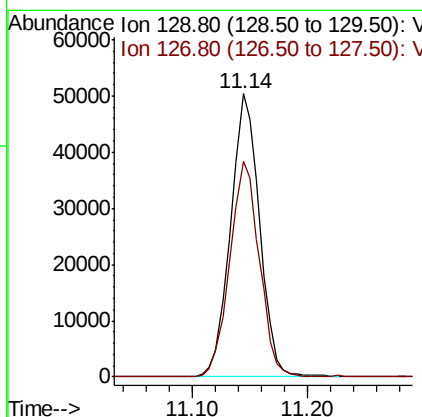
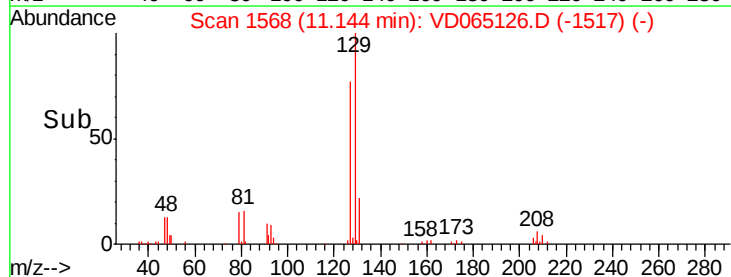
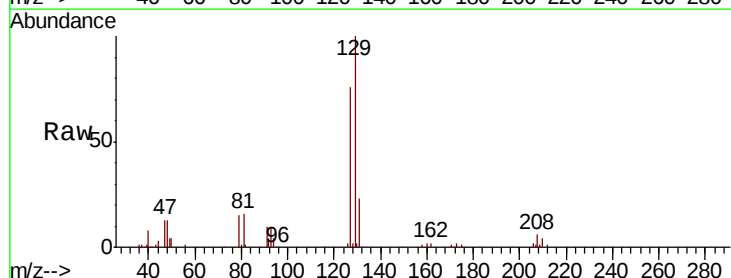
Instrument :
MSVOA_D
ClientSampleId :

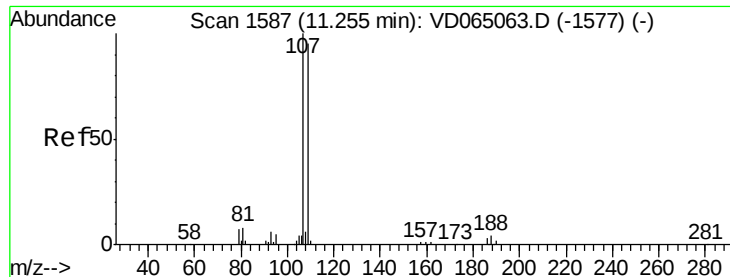
Tot Ion: 43 Resp: 180212
Ion Ratio Lower Upper
43 100
58 52.3 26.2 78.6



#60
Dibromochloromethane
Concen: 22.991 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

Tgt Ion: 129 Resp: 87510
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.9

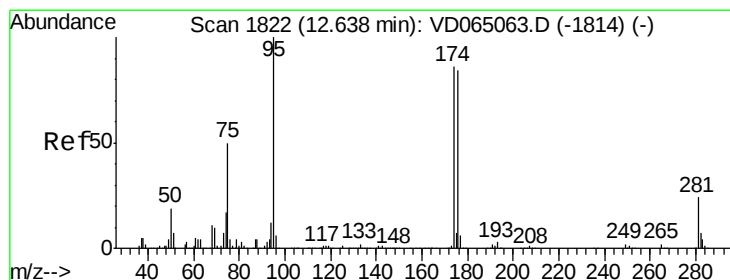
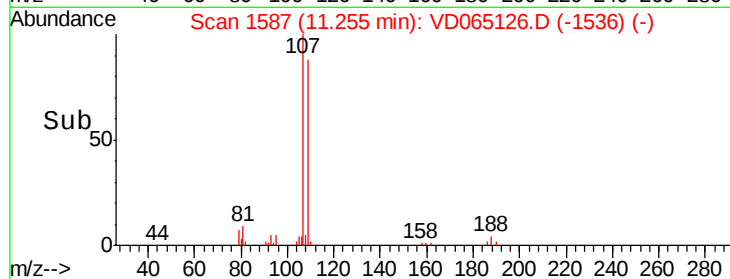
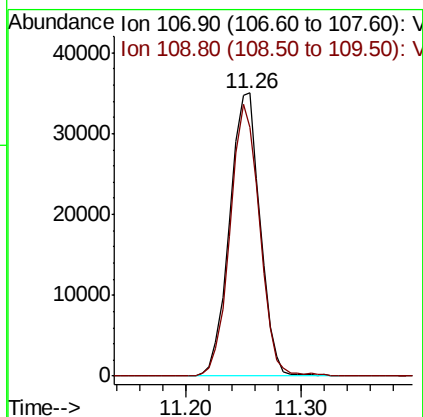
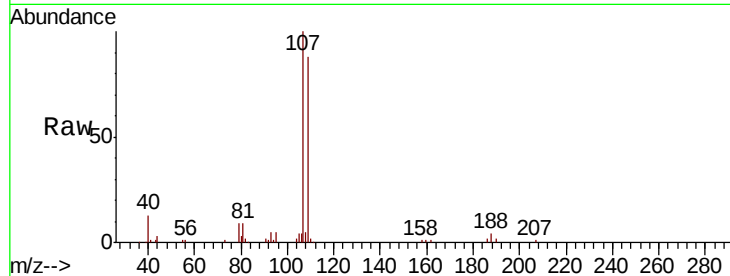




#61
 1,2-Dibromoethane
 Concen: 22.332 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VD065126.D
 Acq: 10 Feb 2020 11:59

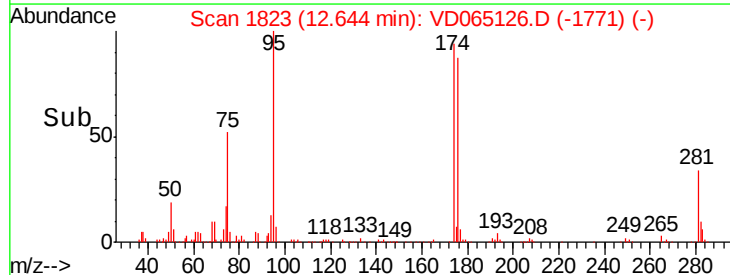
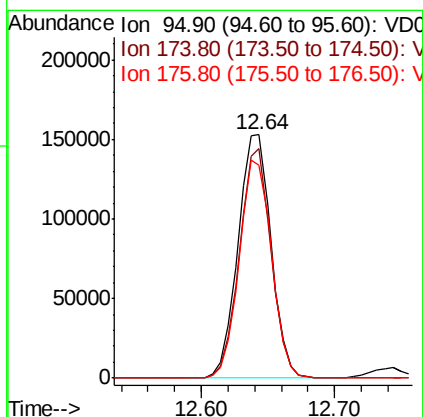
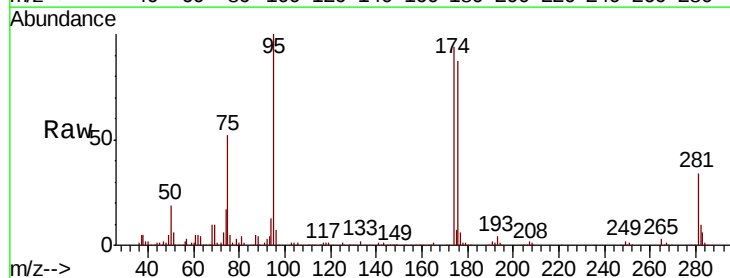
Instrument :
 MSVOA_D
 ClientSampleId :

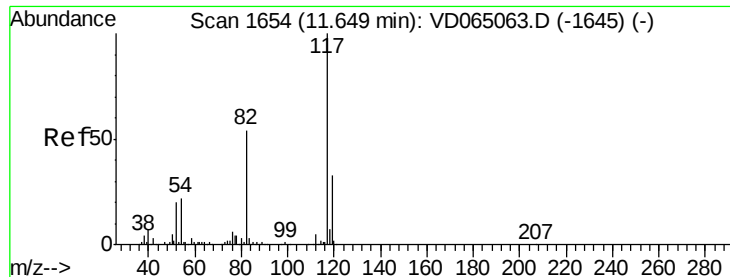
Tot Ion: 107 Resp: 64123
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 56.042 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065126.D
 Acq: 10 Feb 2020 11:59

Tgt Ion: 95 Resp: 261157
 Ion Ratio Lower Upper
 95 100
 174 90.0 0.0 180.0
 176 87.7 0.0 173.2

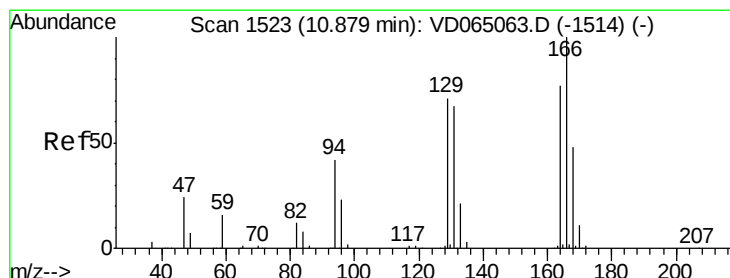
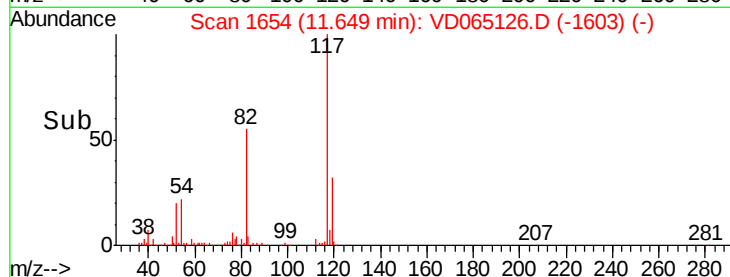
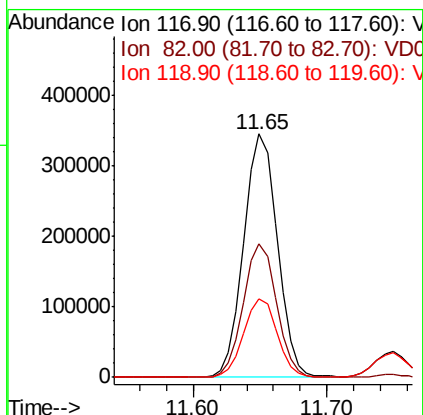
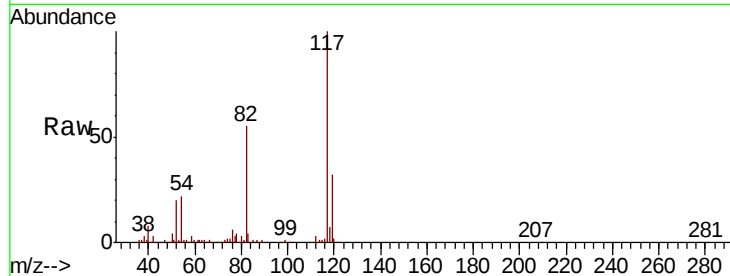




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

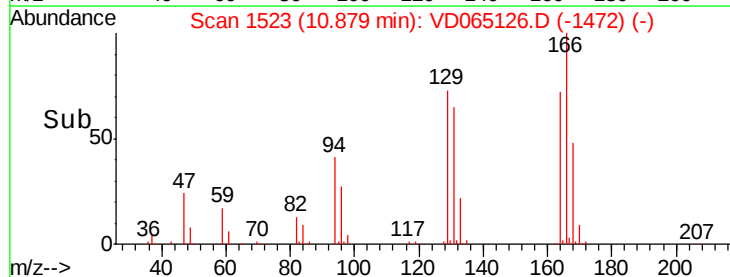
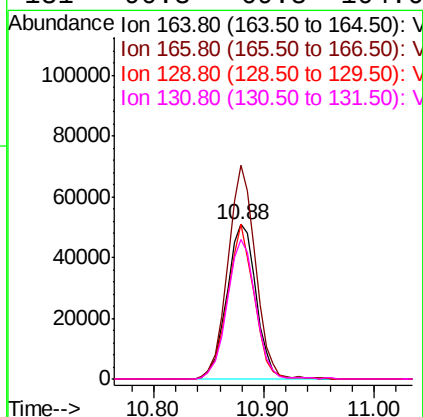
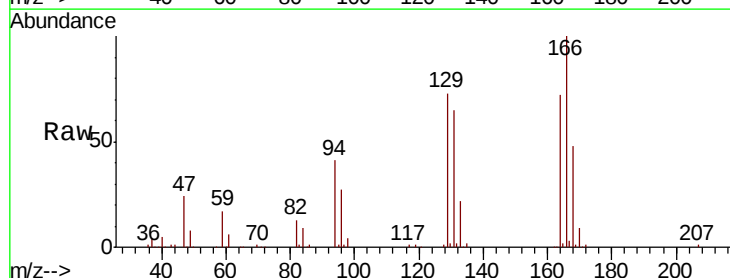
Instrument :
MSVOA_D
ClientSampled :

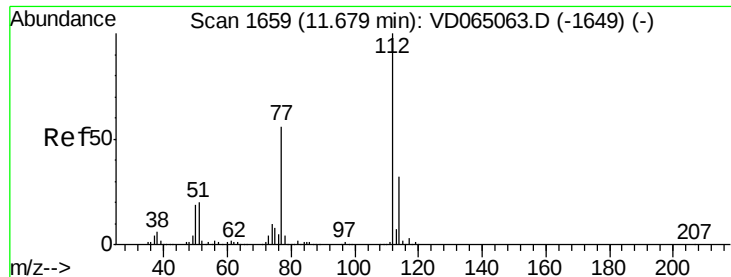
Tot Ion:117 Resp: 602621
Ion Ratio Lower Upper
117 100
82 55.0 43.1 64.7
119 32.1 26.0 39.0



#64
Tetrachloroethene
Concen: 21.865 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

Tgt Ion:164 Resp: 94677
Ion Ratio Lower Upper
164 100
166 138.1 103.5 155.3
129 100.3 73.3 109.9
131 90.3 69.8 104.6

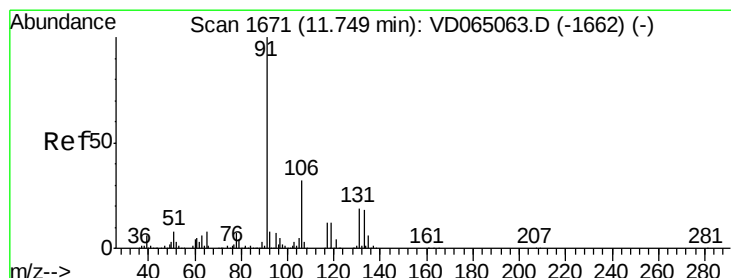
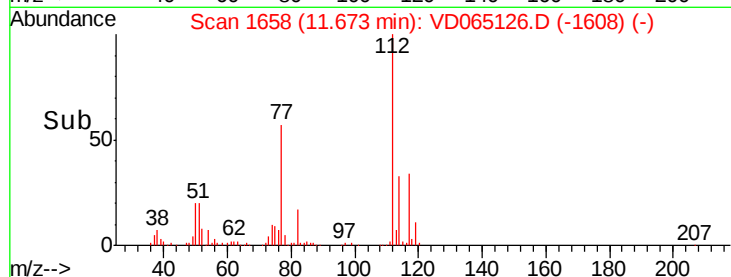
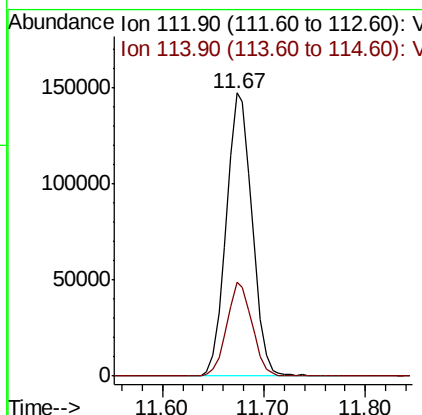
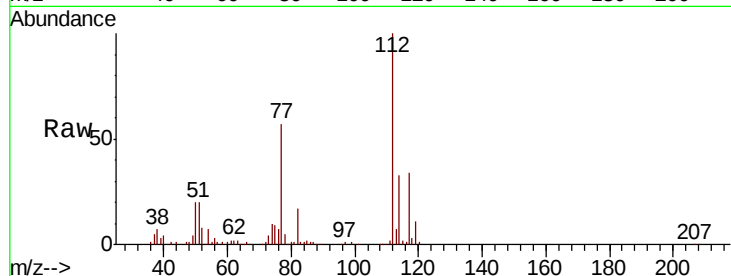




#65
Chlorobenzene
Concen: 22.317 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

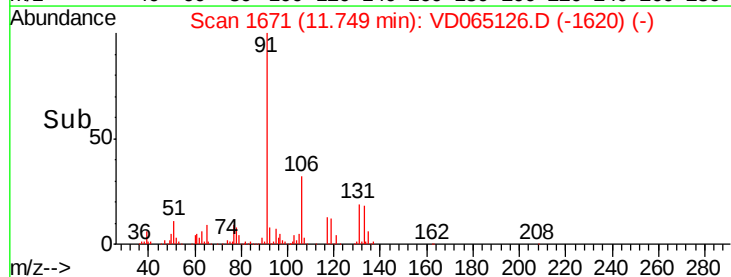
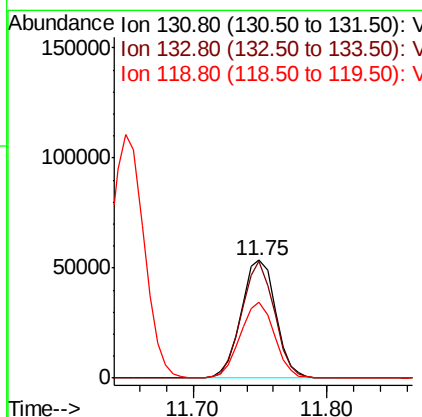
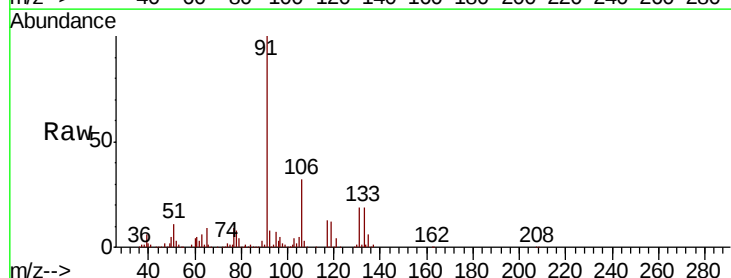
Instrument :
MSVOA_D
ClientSampleId :

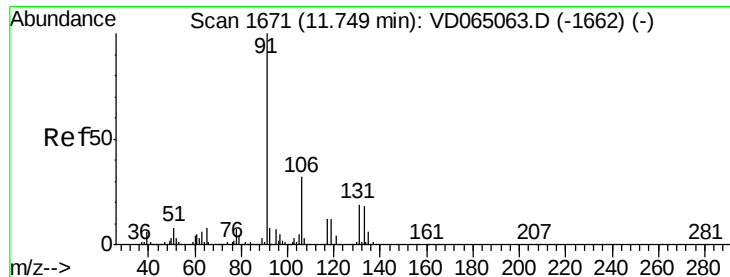
Tot Ion:112 Resp: 260120
Ion Ratio Lower Upper
112 100
114 33.2 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.396 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

Tgt Ion:131 Resp: 96342
Ion Ratio Lower Upper
131 100
133 94.0 47.7 143.1
119 63.6 31.3 93.8

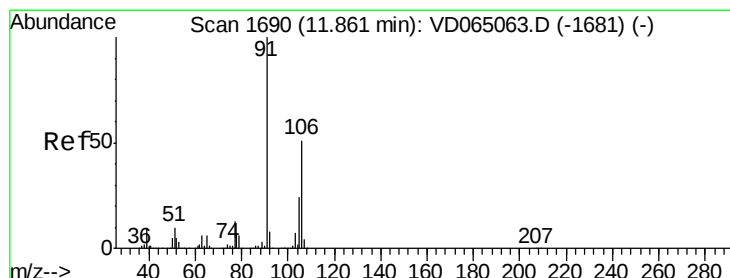
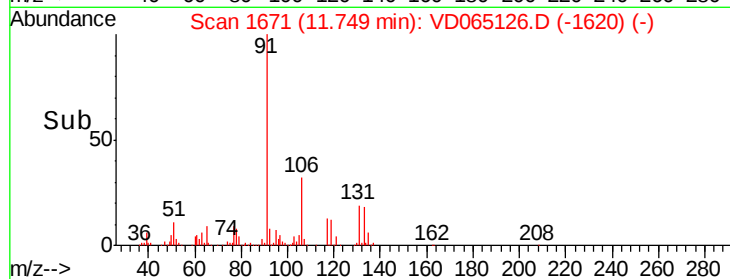
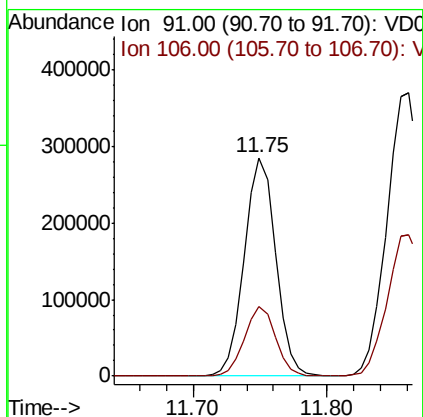
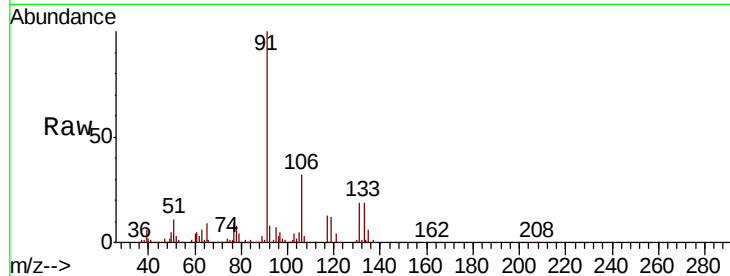




#67
Ethyl Benzene
Concen: 21.920 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

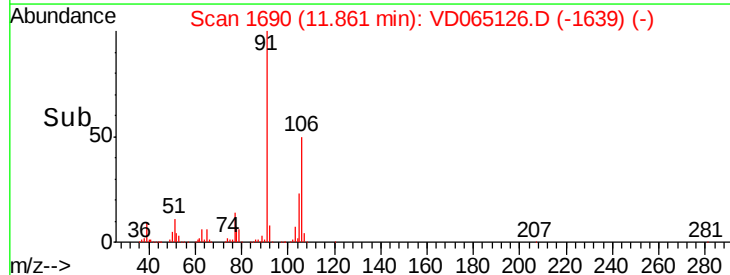
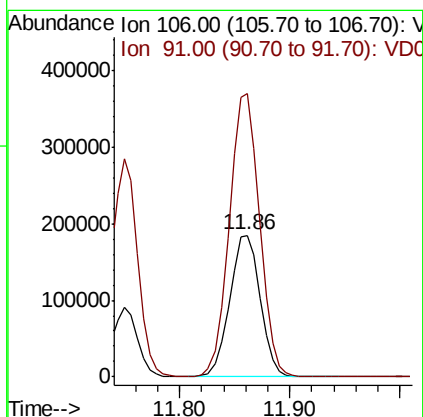
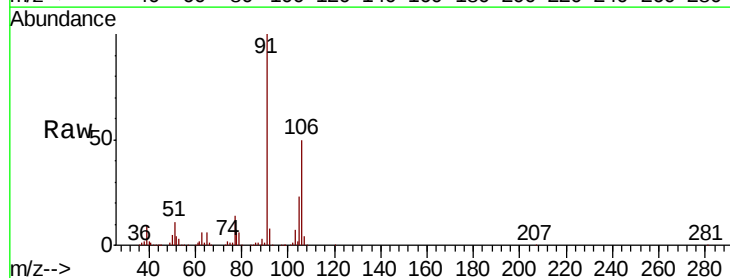
Instrument :
MSVOA_D
ClientSampled :

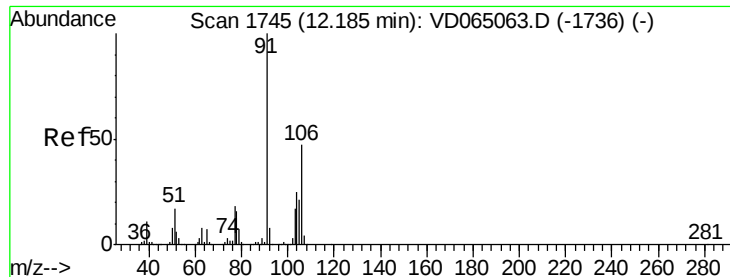
Tot Ion: 91 Resp: 464170
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.2



#68
m/p-Xylenes
Concen: 44.465 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

Tgt Ion: 106 Resp: 359379
Ion Ratio Lower Upper
106 100
91 198.1 158.9 238.3

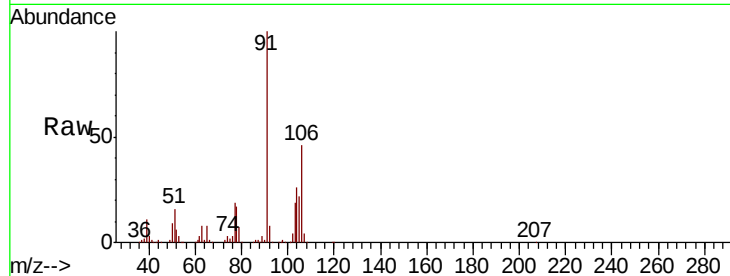




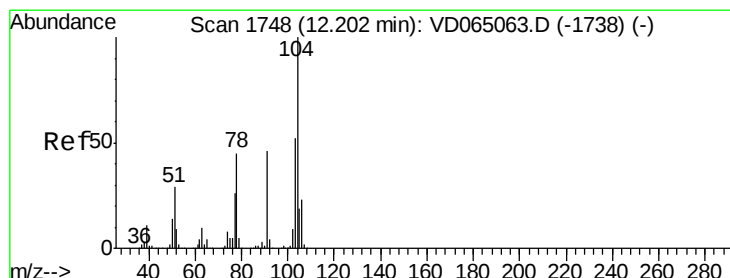
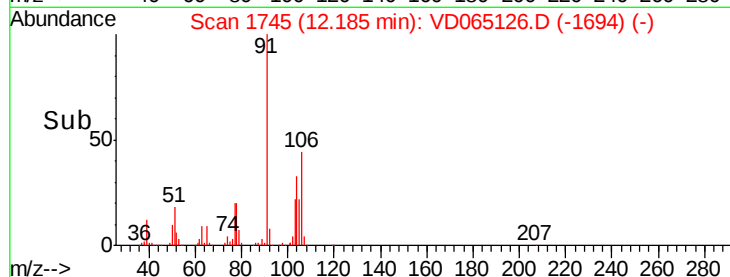
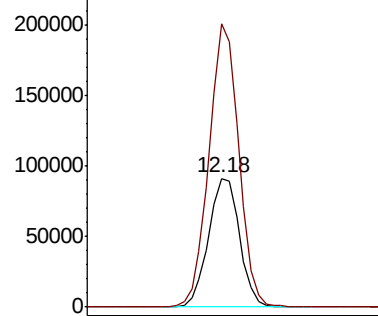
#69
o-Xylene
Concen: 21.329 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 155239
Ion Ratio Lower Upper
106 100
91 210.5 104.7 313.9

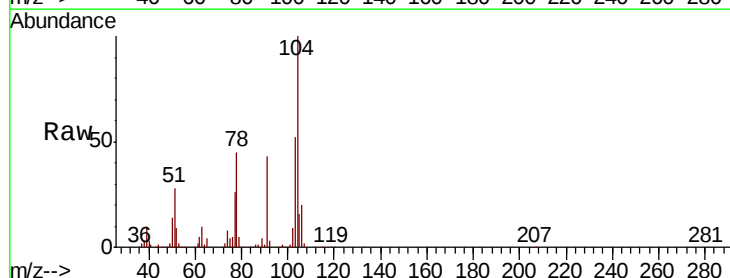


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

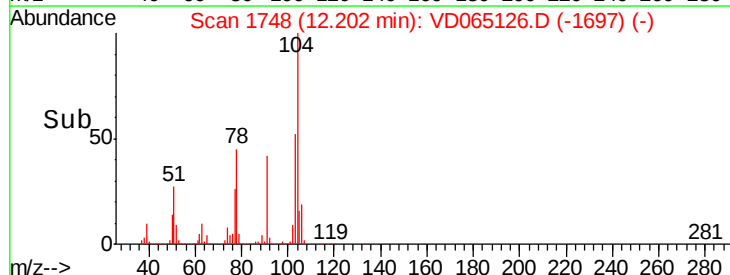
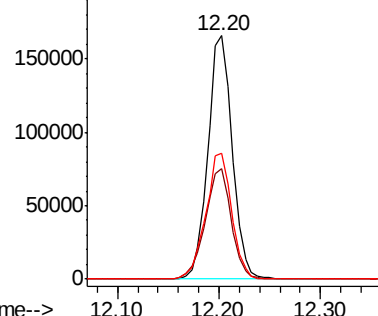


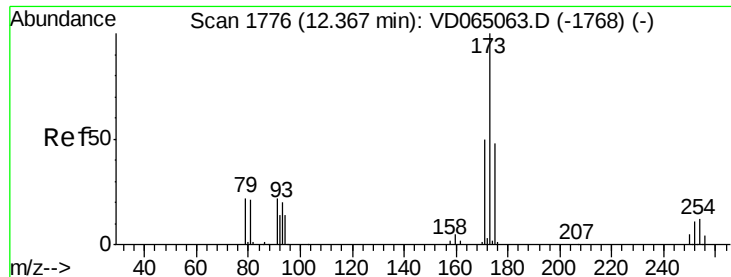
#70
Styrene
Concen: 21.894 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

Tgt Ion:104 Resp: 276952
Ion Ratio Lower Upper
104 100
78 48.5 38.5 57.7
103 55.0 43.8 65.8



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: 22.447 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

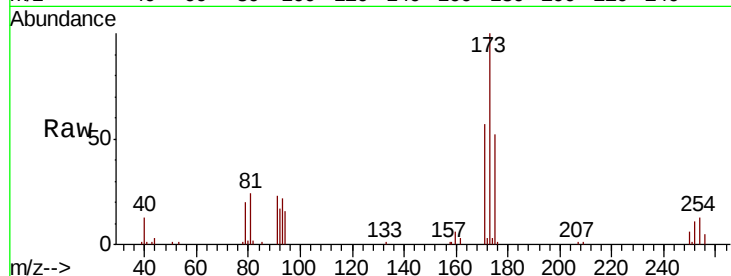
Tot Ion:173 Resp: 51975

Ion Ratio Lower Upper

173 100

175 47.7 24.3 72.8

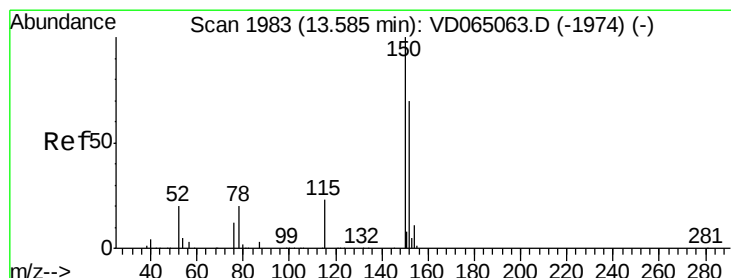
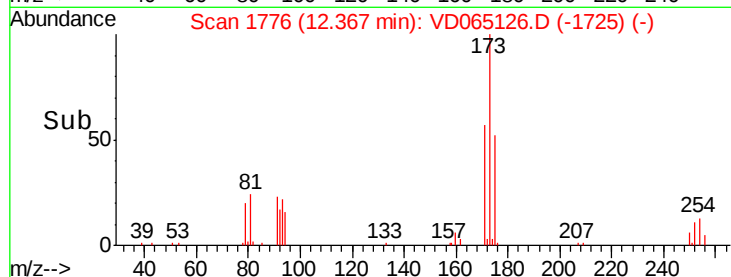
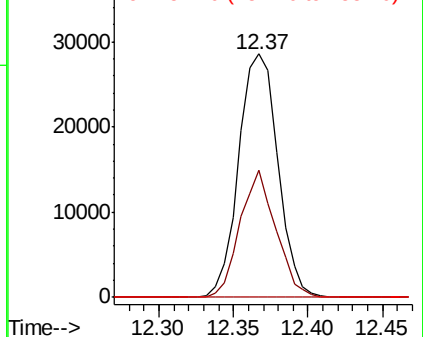
254 0.0 0.1 0.1#



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: VD065126.D

Acq: 10 Feb 2020 11:59

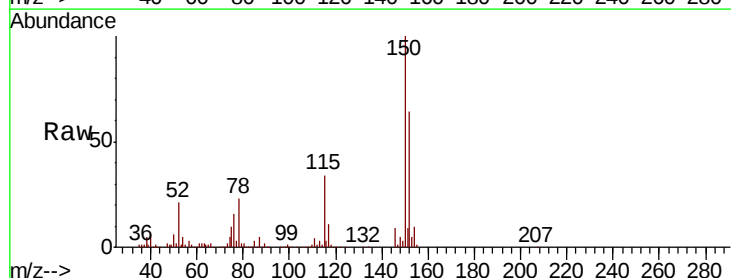
Tgt Ion:152 Resp: 288516

Ion Ratio Lower Upper

152 100

115 55.5 27.5 82.4

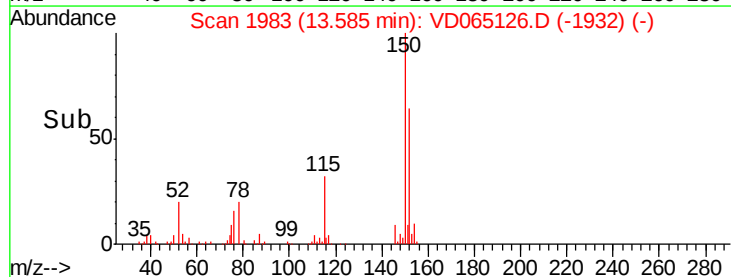
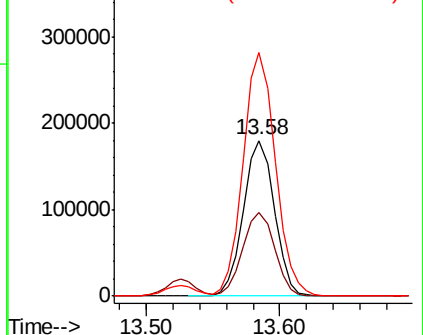
150 163.2 0.0 343.2

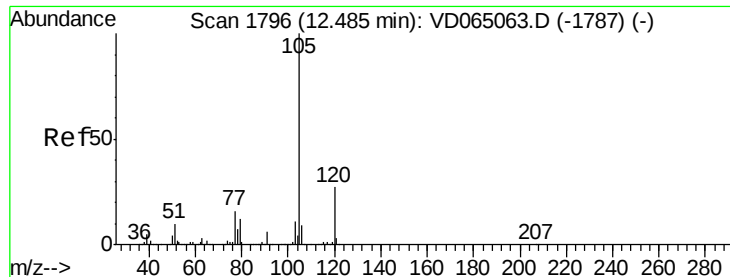


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.731 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

Instrument :

MSVOA_D

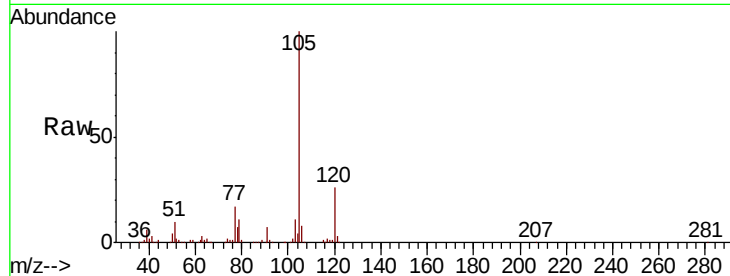
ClientSampleId :

Tot Ion:105 Resp: 430335

Ion Ratio Lower Upper

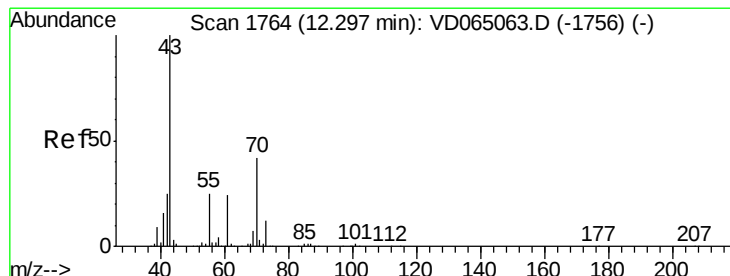
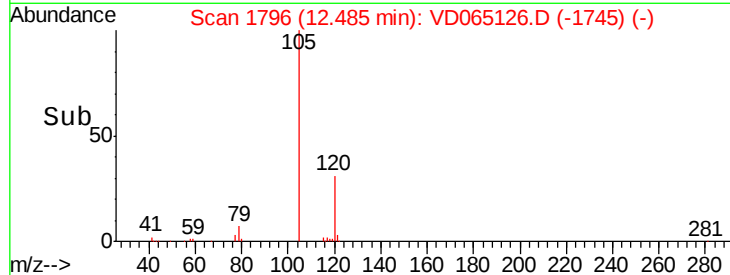
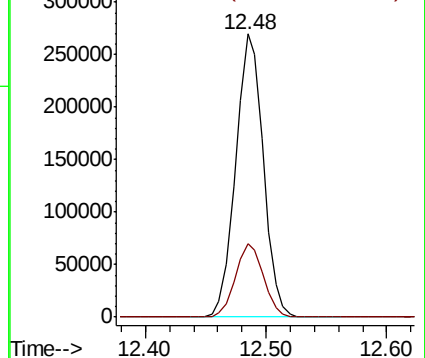
105 100

120 26.2 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.667 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

Tgt Ion: 43 Resp: 88955

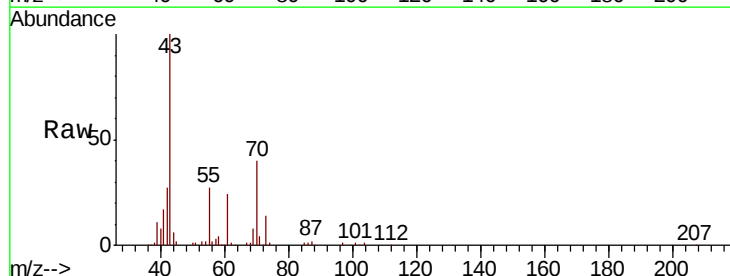
Ion Ratio Lower Upper

43 100

70 41.1 33.5 50.3

55 27.0 19.4 29.2

61 23.0 18.6 28.0

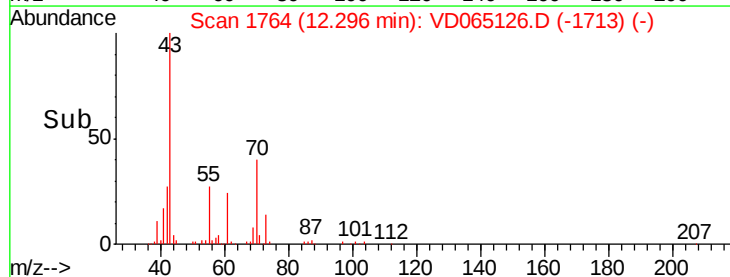
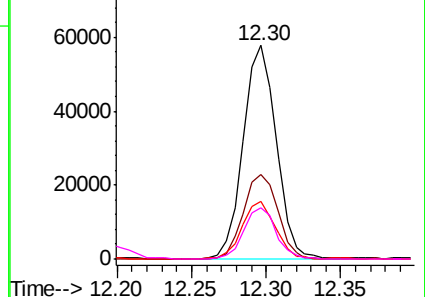


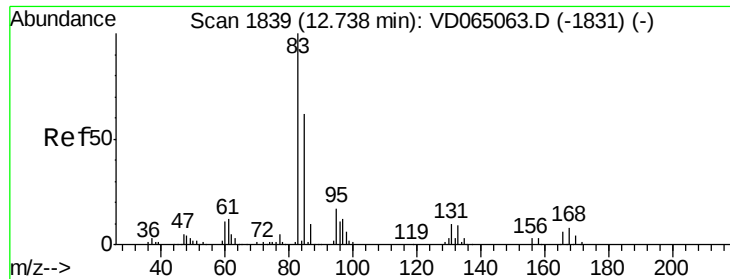
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 22.680 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

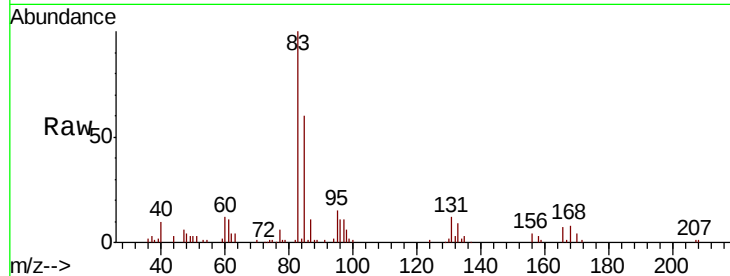
Tot Ion: 83 Resp: 70686

Ion Ratio Lower Upper

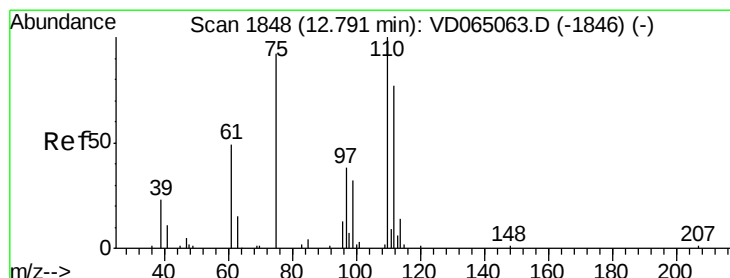
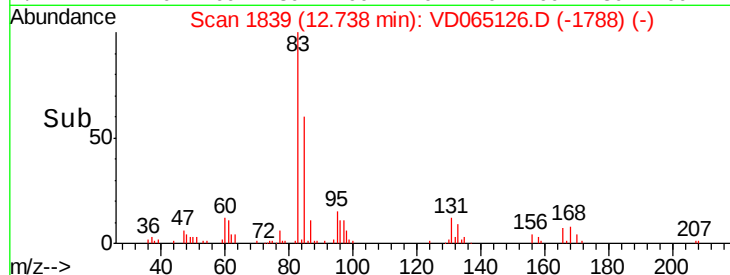
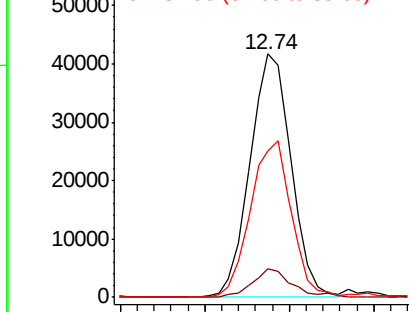
83 100

131 11.1 5.5 16.4

85 64.3 31.8 95.4



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: 43.389 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065126.D

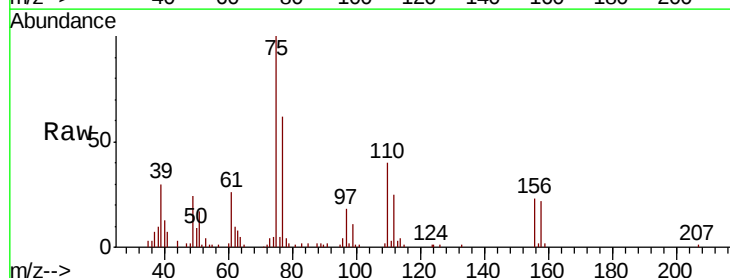
Acq: 10 Feb 2020 11:59

Tgt Ion: 75 Resp: 94777

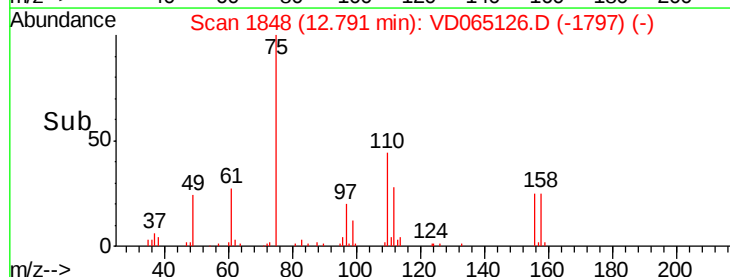
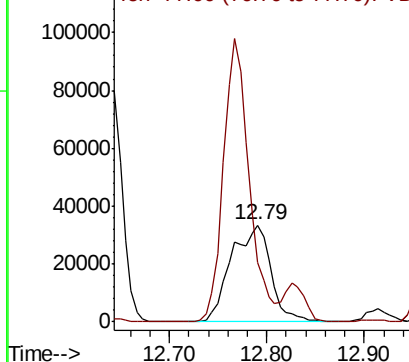
Ion Ratio Lower Upper

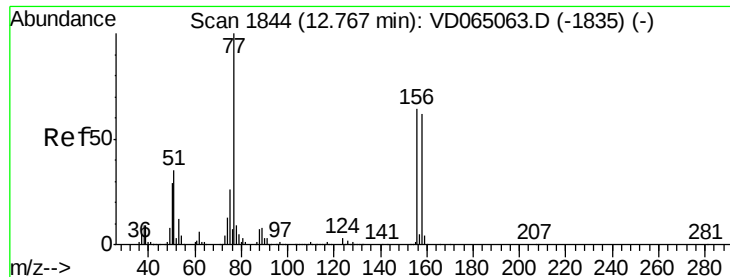
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 21.653 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

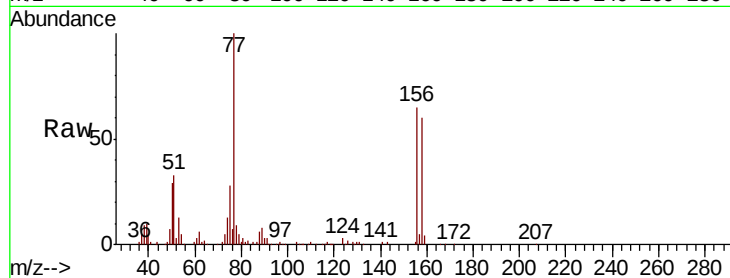
Tot Ion:156 Resp: 103307

Ion Ratio Lower Upper

156 100

77 173.3 85.6 256.8

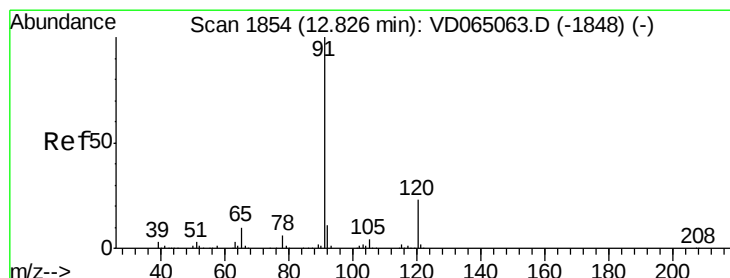
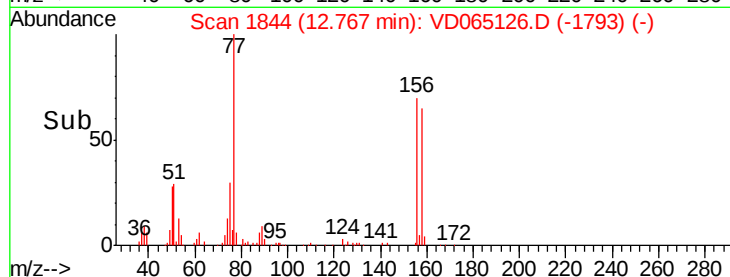
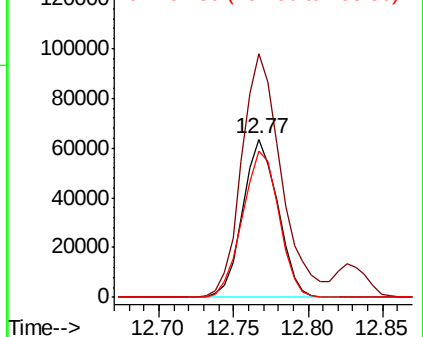
158 95.8 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.384 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065126.D

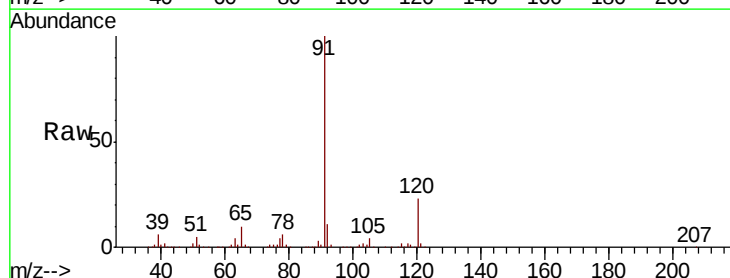
Acq: 10 Feb 2020 11:59

Tgt Ion: 91 Resp: 519112

Ion Ratio Lower Upper

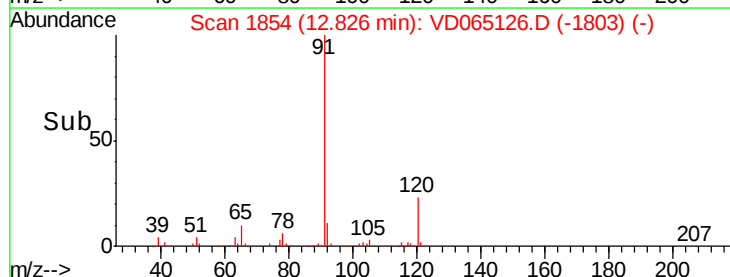
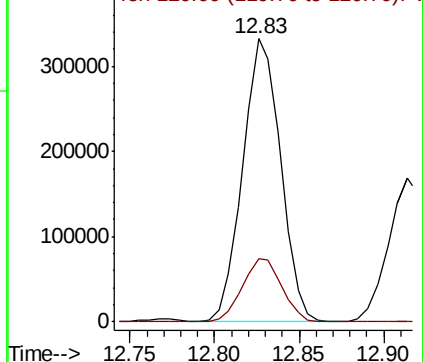
91 100

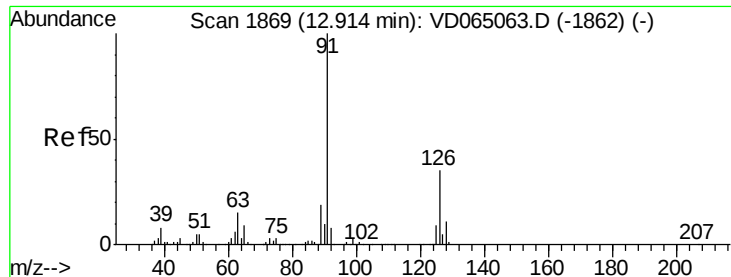
120 23.4 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

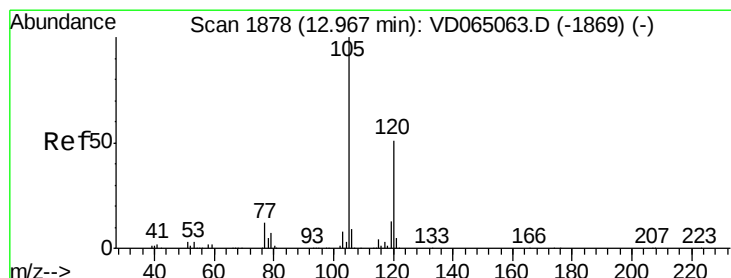
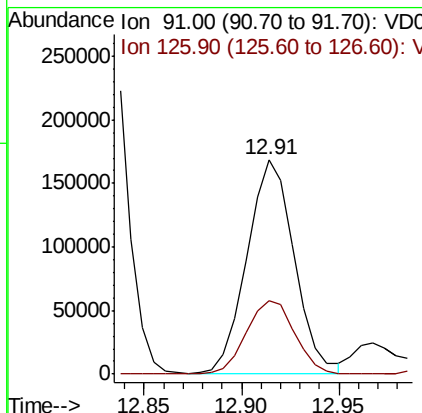
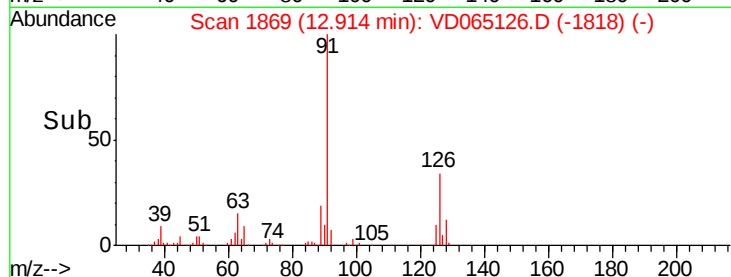
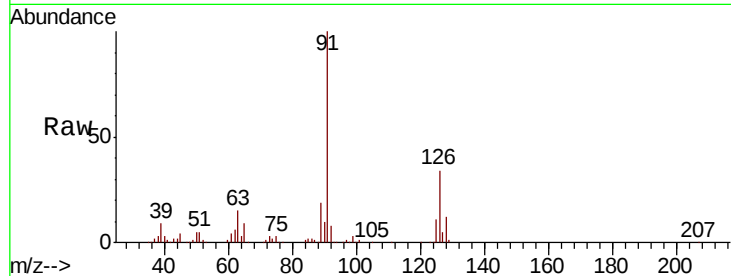




#79
 2-Chlorotoluene
 Concen: 21.829 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065126.D
 Acq: 10 Feb 2020 11:59

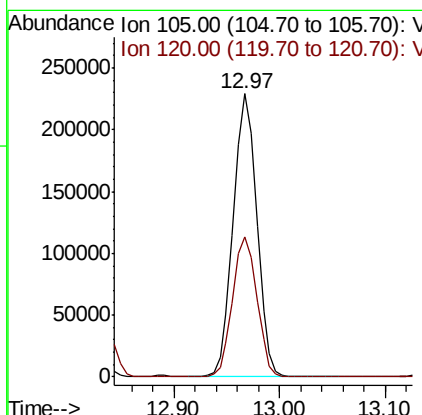
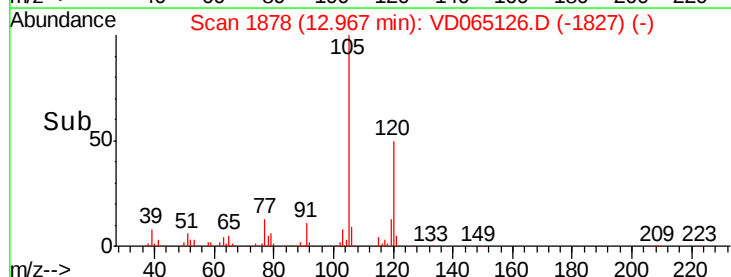
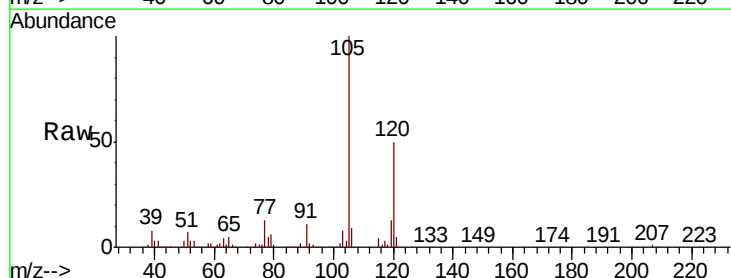
Instrument :
 MSVOA_D
 ClientSampleId :

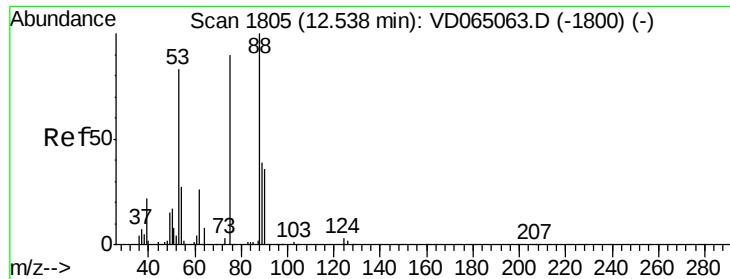
Tot Ion: 91 Resp: 282175
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 21.865 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065126.D
 Acq: 10 Feb 2020 11:59

Tgt Ion:105 Resp: 354227
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 21.815 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065126.D

Acq: 10 Feb 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

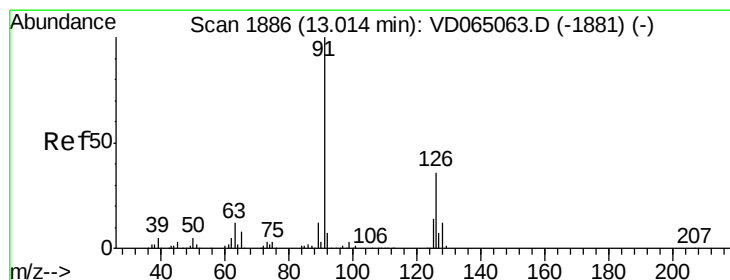
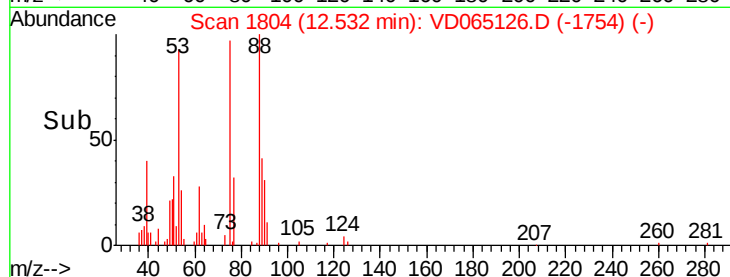
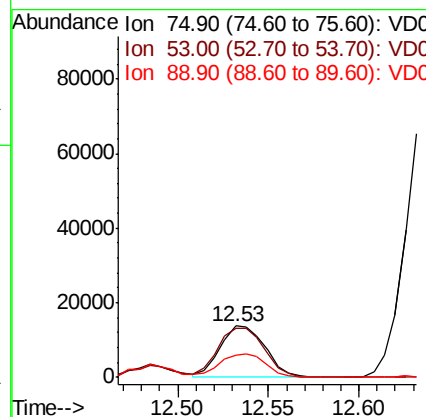
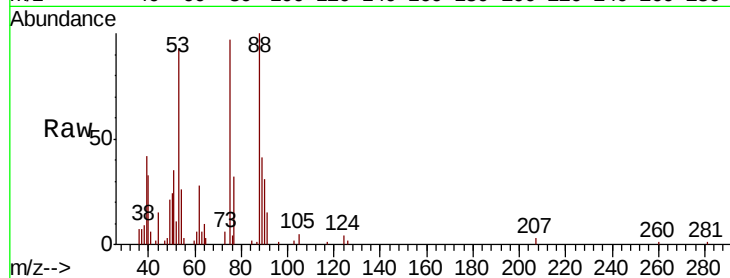
Tot Ion: 75 Resp: 23827

Ion Ratio Lower Upper

75 100

53 99.1 78.5 117.7

89 45.6 37.0 55.4



#82

4-Chlorotoluene

Concen: 21.737 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065126.D

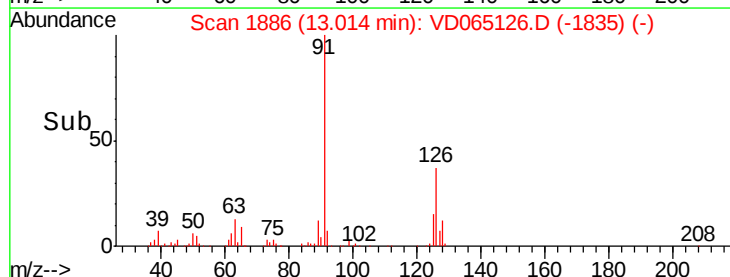
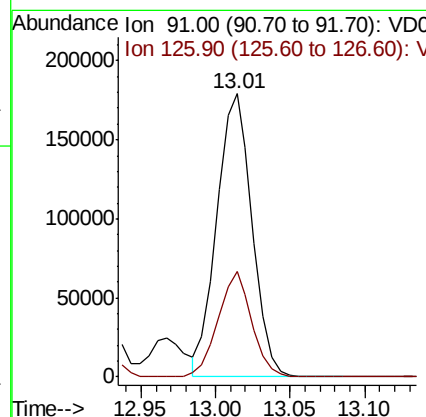
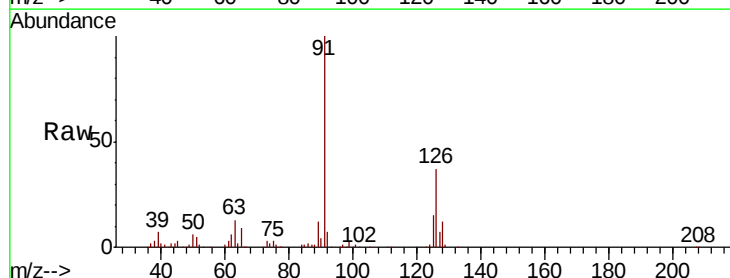
Acq: 10 Feb 2020 11:59

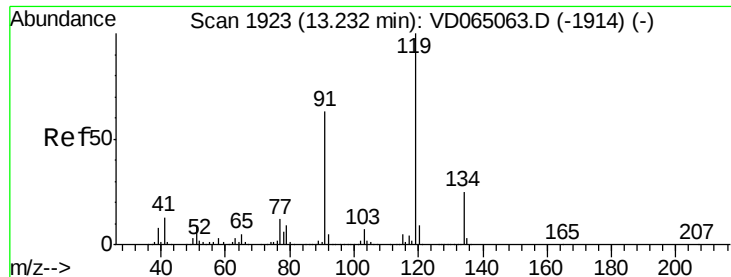
Tgt Ion: 91 Resp: 295103

Ion Ratio Lower Upper

91 100

126 35.6 17.5 52.5

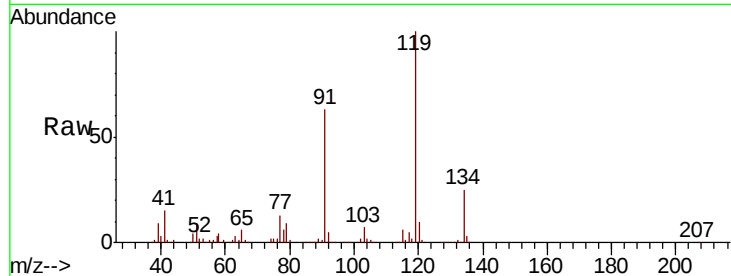




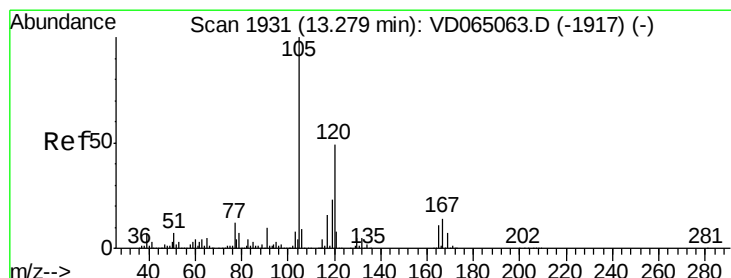
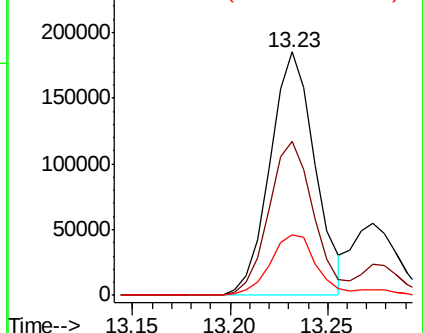
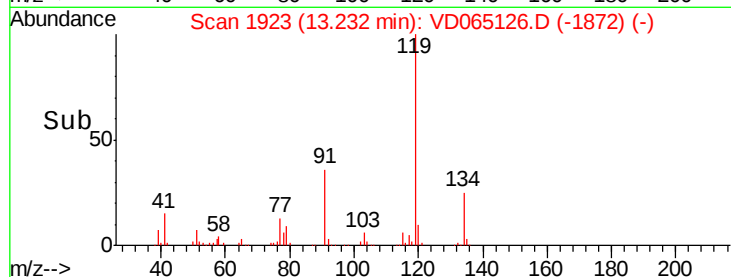
#83
tert-Butylbenzene
Concen: 21.149 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 295593
Ion Ratio Lower Upper
119 100
91 63.6 32.3 96.9
134 27.4 13.8 41.3

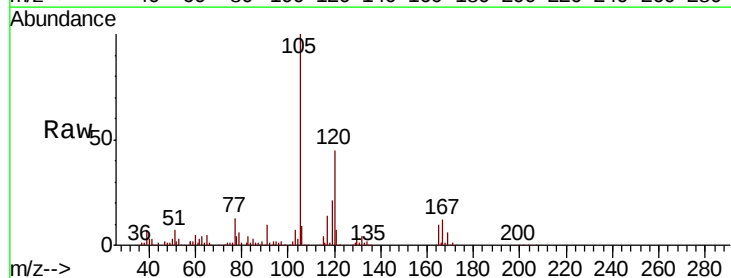


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

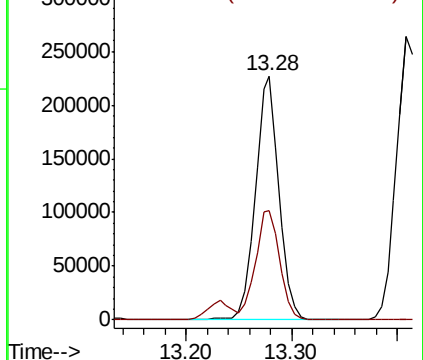
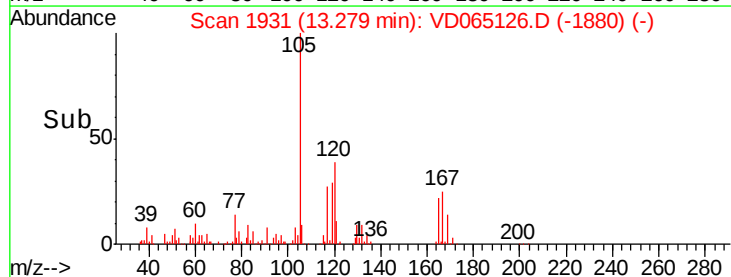


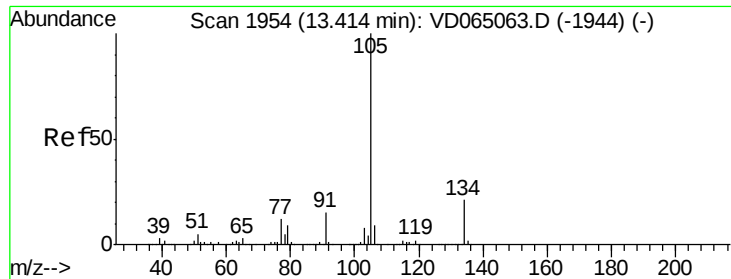
#84
1,2,4-Trimethylbenzene
Concen: 21.843 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

Tgt Ion:105 Resp: 351320
Ion Ratio Lower Upper
105 100
120 46.4 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

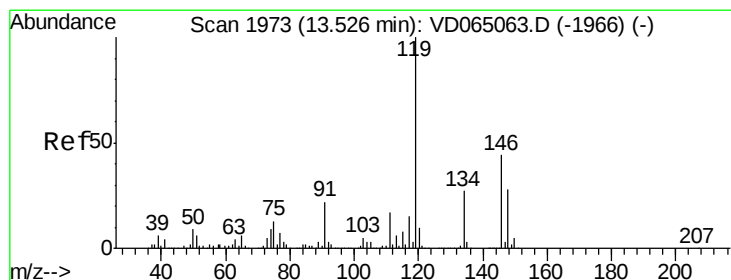
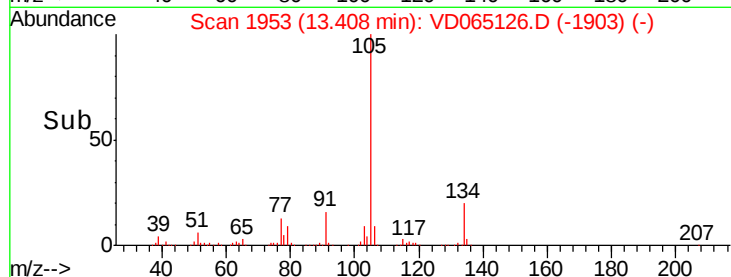
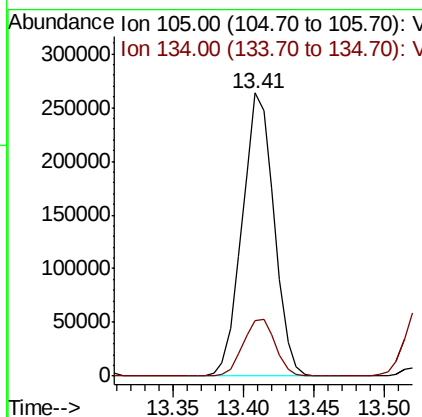
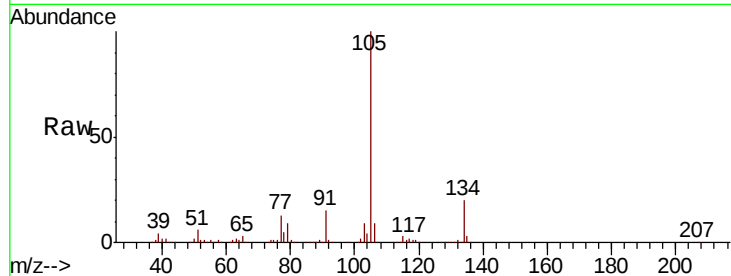




#85
 sec-Butylbenzene
 Concen: 21.853 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: VD065126.D
 Acq: 10 Feb 2020 11:59

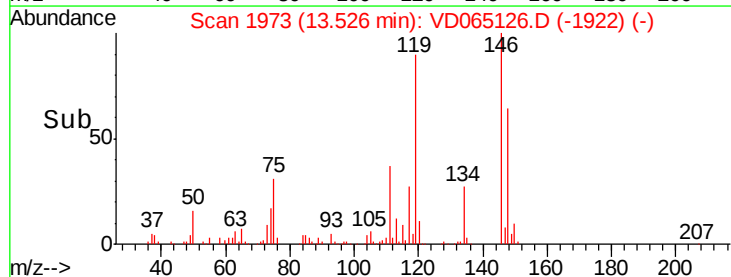
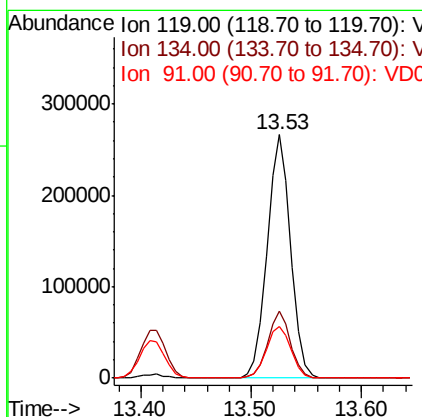
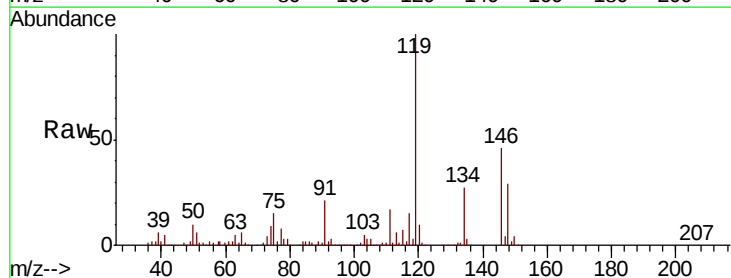
Instrument :
 MSVOA_D
 ClientSampleId :

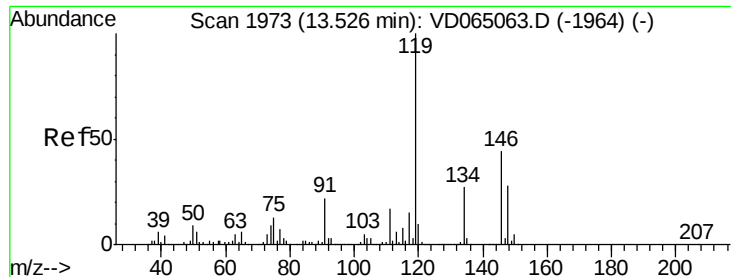
Tot Ion:105 Resp: 417157
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 22.177 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065126.D
 Acq: 10 Feb 2020 11:59

Tgt Ion:119 Resp: 393334
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.5 40.5
 91 22.3 11.3 33.9

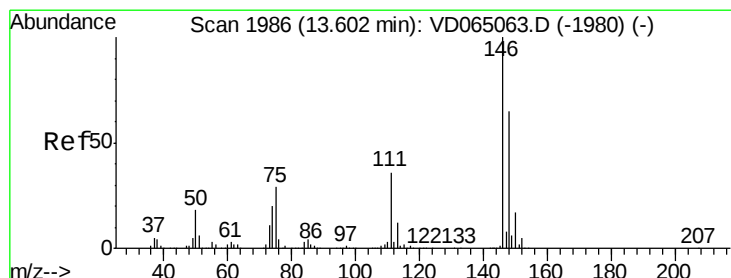
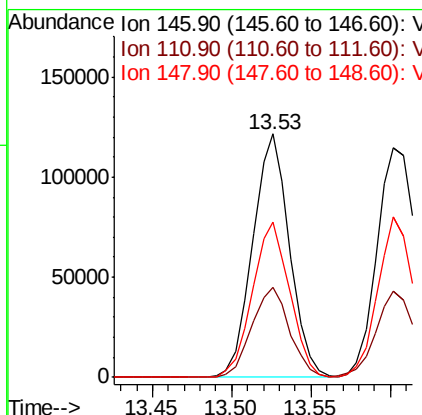
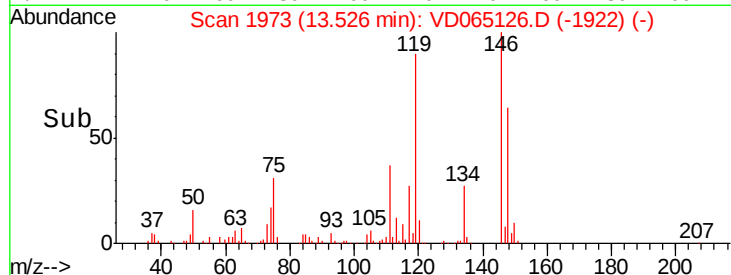
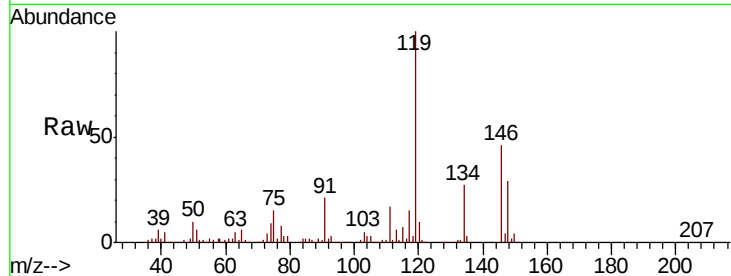




#87
 1,3-Dichlorobenzene
 Concen: 21.978 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065126.D
 Acq: 10 Feb 2020 11:59

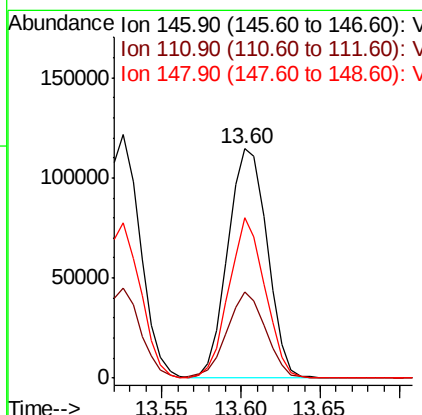
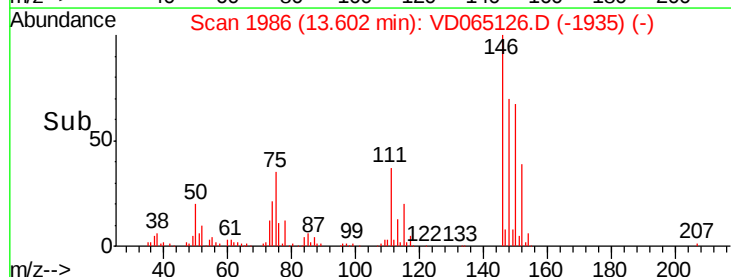
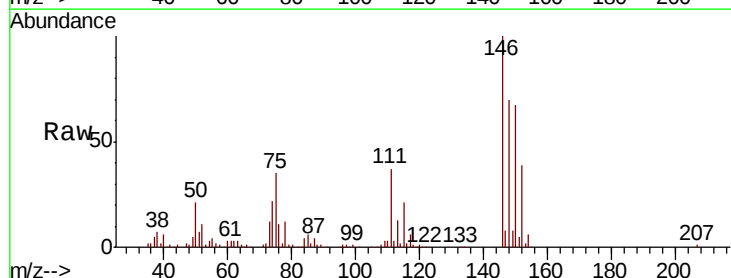
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 196329
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.4 58.4
 148 64.6 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 22.206 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065126.D
 Acq: 10 Feb 2020 11:59

Tgt Ion:146 Resp: 197436
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.5 55.5
 148 64.5 32.7 98.1

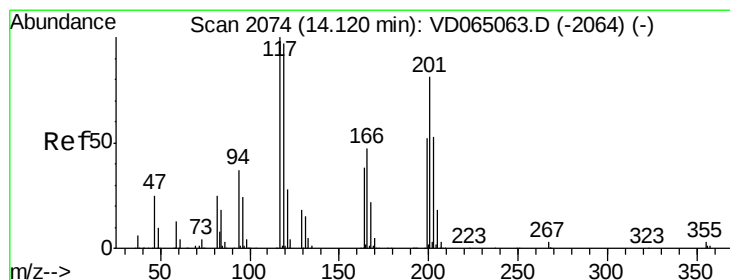
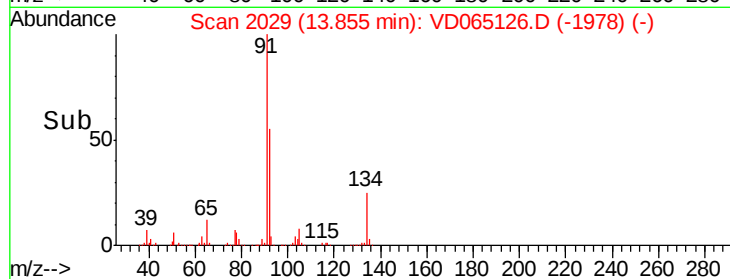
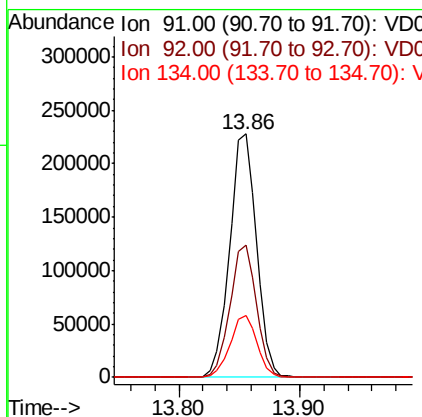
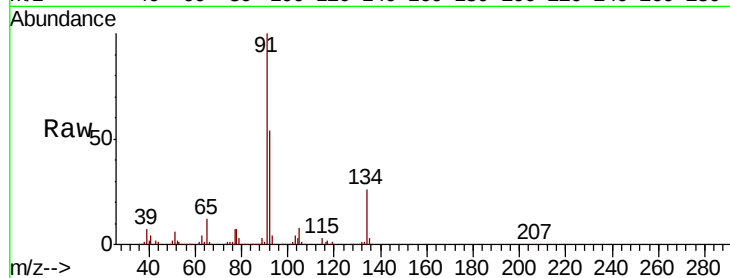




#89
n-Butylbenzene
Concen: 21.540 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

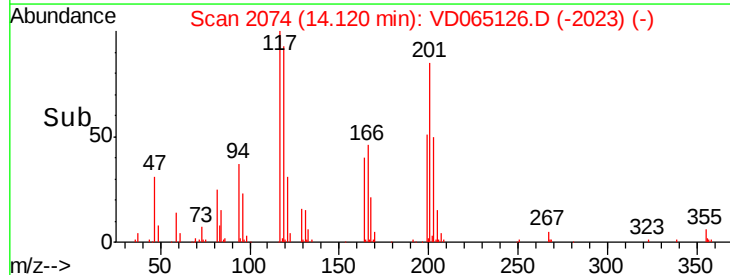
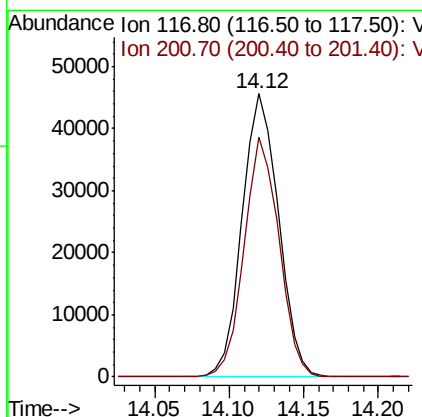
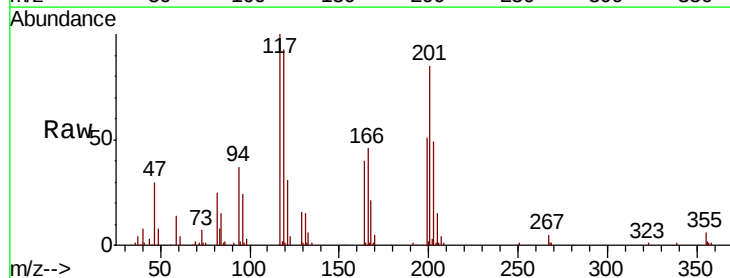
Instrument :
MSVOA_D
ClientSampleId :

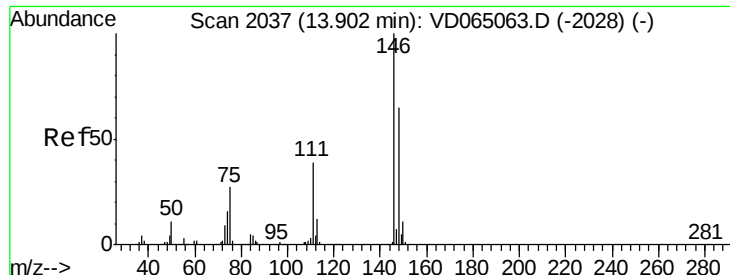
Tot Ion: 91 Resp: 352633
Ion Ratio Lower Upper
91 100
92 53.6 26.7 80.1
134 25.5 13.4 40.2



#90
Hexachloroethane
Concen: 22.973 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

Tgt Ion: 117 Resp: 77157
Ion Ratio Lower Upper
117 100
201 81.0 42.5 127.6

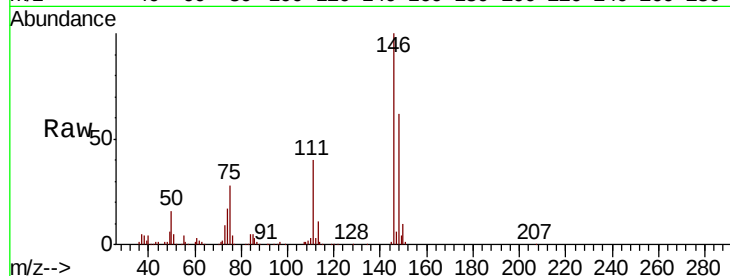




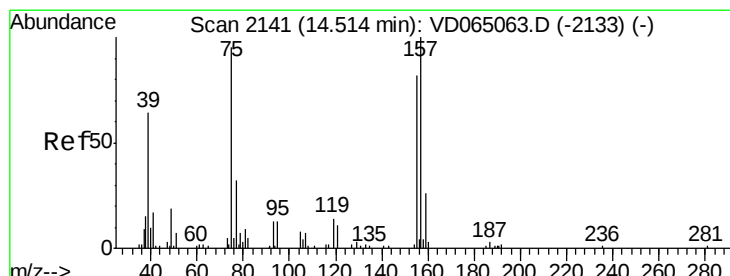
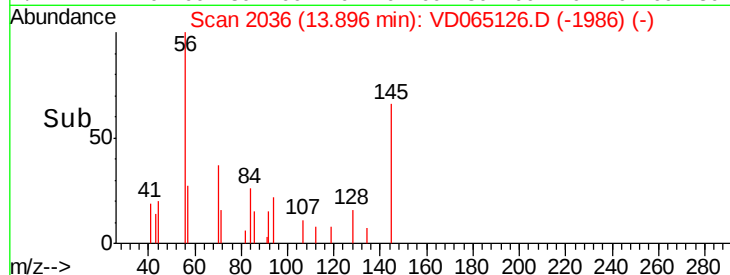
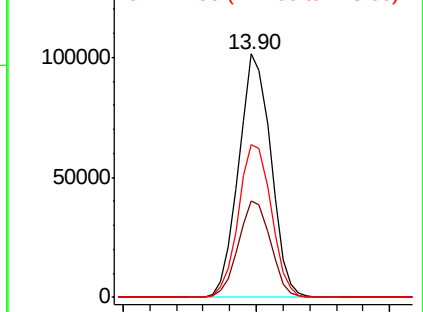
#91
 1,2-Dichlorobenzene
 Concen: 22.140 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065126.D
 Acq: 10 Feb 2020 11:59

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.1
148	64.1	31.9	95.5

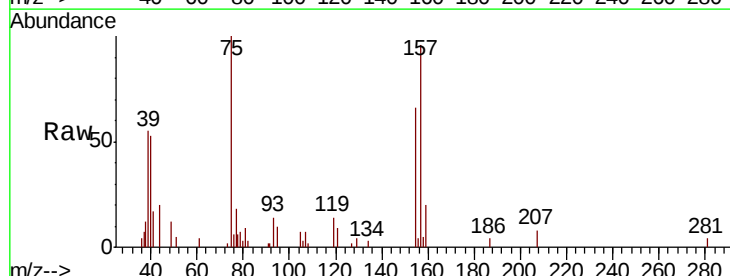


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

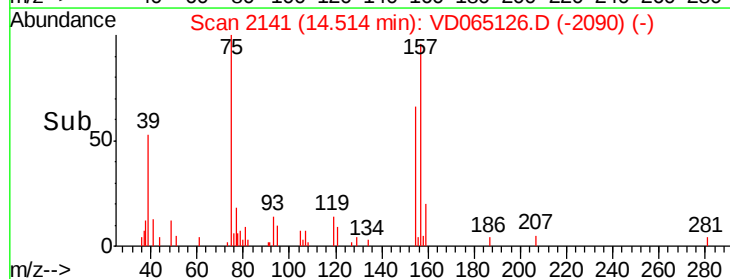
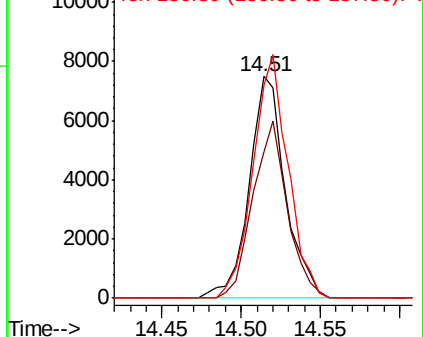


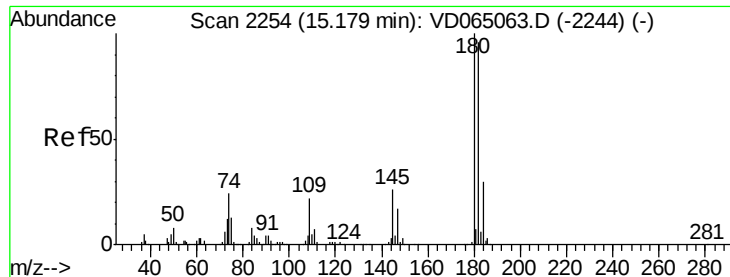
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.254 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD065126.D
 Acq: 10 Feb 2020 11:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.7	43.4	130.1
157	107.3	55.8	167.3



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

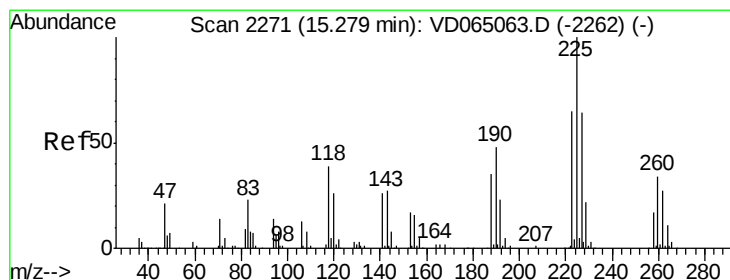
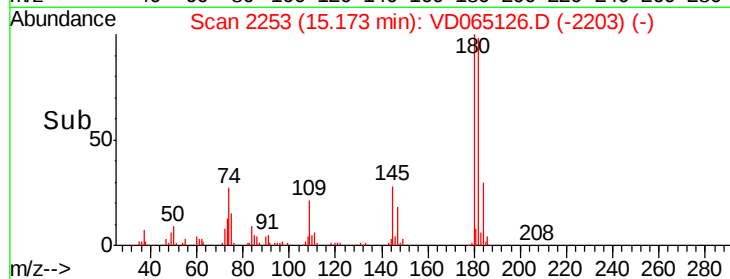
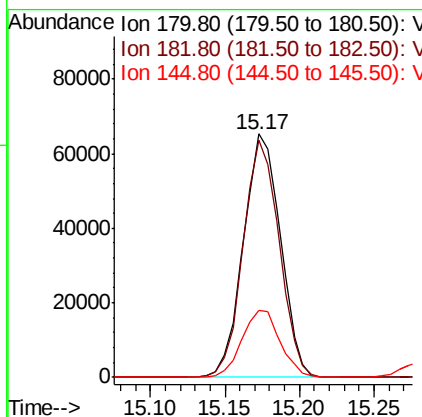
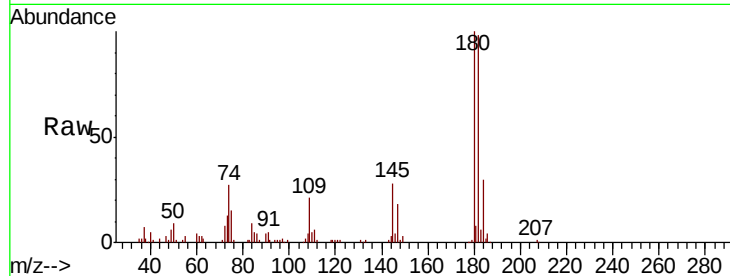




#93
 1,2,4-Trichlorobenzene
 Concen: 20.499 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065126.D
 Acq: 10 Feb 2020 11:59

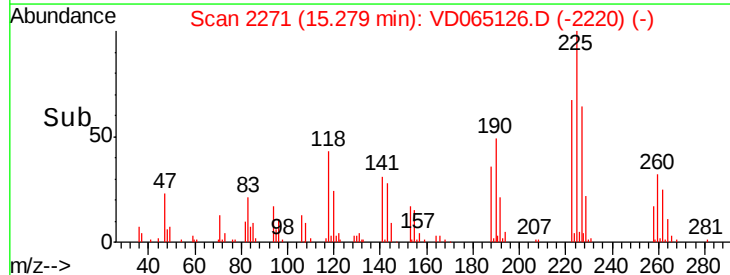
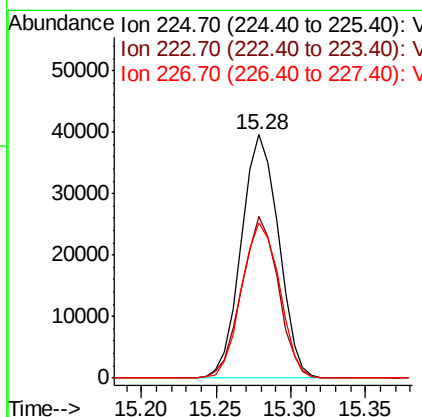
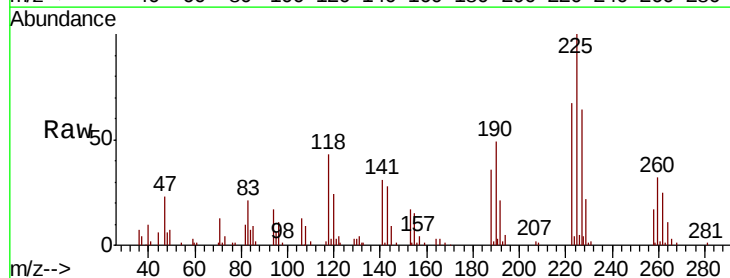
Instrument :
 MSVOA_D
 ClientSampleId :

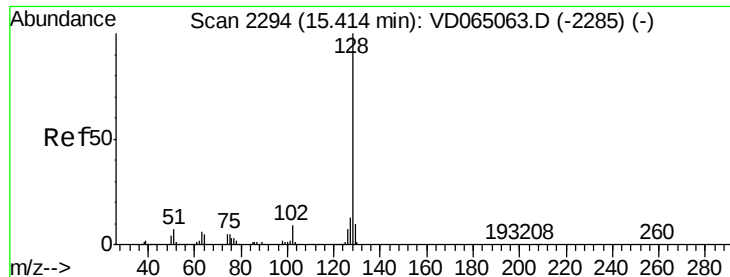
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.4	142.3
145	28.4	14.1	42.4



#94
 Hexachlorobutadiene
 Concen: 20.443 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065126.D
 Acq: 10 Feb 2020 11:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	31.4	94.0
227	64.8	31.8	95.3

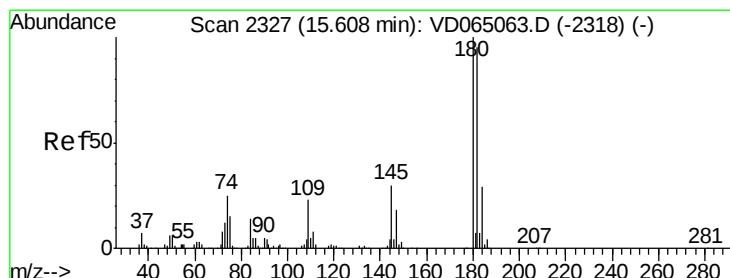
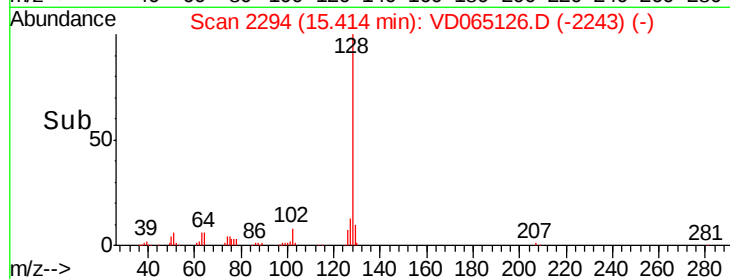
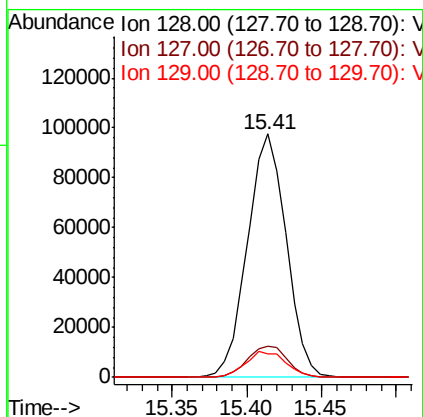
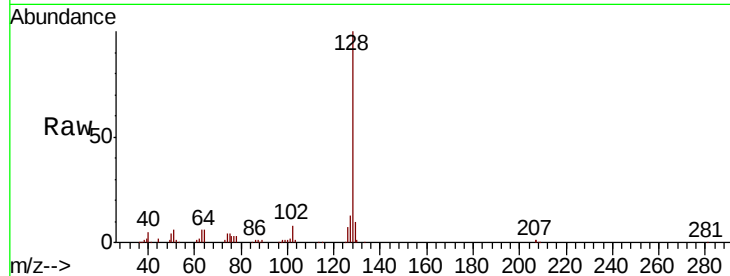




#95
Naphthalene
Concen: 19.306 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 175482
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.773 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065126.D
Acq: 10 Feb 2020 11:59

Tgt Ion:180 Resp: 97173
Ion Ratio Lower Upper
180 100
182 96.1 47.1 141.4
145 30.8 14.9 44.9

