

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065286.D
 Acq On : 24 Feb 2020 11:13
 Operator : VA/SY
 Sample : VD0224SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 25 01:19:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	506369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	750436	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	674800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	331913	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	222892	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
35) Dibromofluoromethane	7.91	113	232977	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	10.34	98	920636	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
62) 4-Bromofluorobenzene	12.64	95	292701	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.99	85	74334	17.502	ug/l 96
3) Chloromethane	2.21	50	103266	19.103	ug/l 99
4) Vinyl Chloride	2.36	62	101916	18.540	ug/l 100
5) Bromomethane	2.76	94	60966	18.343	ug/l 99
6) Chloroethane	2.92	64	64603	19.254	ug/l 93
7) Trichlorofluoromethane	3.27	101	152246	19.345	ug/l 99
8) Diethyl Ether	3.71	74	45899	19.321	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	100579	20.238	ug/l 99
10) Methyl Iodide	4.29	142	91704	17.771	ug/l 100
11) Tert butyl alcohol	5.24	59	31968	117.439	ug/l 95
12) 1,1-Dichloroethene	4.06	96	93816	19.983	ug/l 100
13) Acrolein	3.93	56	41939	109.317	ug/l 98
14) Allyl chloride	4.71	41	149346	19.589	ug/l 98
15) Acrylonitrile	5.43	53	103176	98.100	ug/l 99
16) Acetone	4.17	43	98752	88.682	ug/l 93
17) Carbon Disulfide	4.40	76	308523	19.601	ug/l 100
18) Methyl Acetate	4.72	43	51197	20.442	ug/l 97
19) Methyl tert-butyl Ether	5.48	73	189101	19.315	ug/l 94
20) Methylene Chloride	4.97	84	109995	19.365	ug/l 94
21) trans-1,2-Dichloroethene	5.47	96	106735	19.999	ug/l 98
22) Diisopropyl ether	6.37	45	292105	19.875	ug/l 97
23) Vinyl Acetate	6.31	43	768231	94.814	ug/l 99
24) 1,1-Dichloroethane	6.27	63	181794	19.942	ug/l 99
25) 2-Butanone	7.22	43	127914	90.791	ug/l 98
26) 2,2-Dichloropropane	7.21	77	158484	20.037	ug/l 100
27) cis-1,2-Dichloroethene	7.21	96	111744	19.766	ug/l 100
28) Bromochloromethane	7.55	49	65841	19.468	ug/l 98
29) Tetrahydrofuran	7.57	42	79654	96.492	ug/l 98
30) Chloroform	7.71	83	181704	19.784	ug/l 99
31) Cyclohexane	7.98	56	176156	19.667	ug/l 98
32) 1,1,1-Trichloroethane	7.91	97	161359	19.637	ug/l 99
36) 1,1-Dichloropropene	8.11	75	146824	20.108	ug/l 98
37) Ethyl Acetate	7.30	43	56246	18.426	ug/l 97
38) Carbon Tetrachloride	8.10	117	149622	20.129	ug/l 99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	175625	20.459	ug/l	98
40) Benzene	8.36	78	411590	19.970	ug/l	100
41) Methacrylonitrile	7.53	41	32662	18.532	ug/l	94
42) 1,2-Dichloroethane	8.43	62	111811	19.734	ug/l	100
43) Isopropyl Acetate	8.46	43	106681	19.219	ug/l	98
44) Trichloroethene	9.11	130	116277	20.353	ug/l	100
45) 1,2-Dichloropropane	9.39	63	102859	20.071	ug/l	100
46) Dibromomethane	9.48	93	52366	19.859	ug/l	99
47) Bromodichloromethane	9.67	83	137553	19.795	ug/l	95
48) Methyl methacrylate	9.46	41	49383	19.247	ug/l	95
49) 1,4-Dioxane	9.47	88	12572	406.518	ug/l	93
51) 4-Methyl-2-Pentanone	10.24	43	272066	96.500	ug/l	99
52) Toluene	10.41	92	264844	20.760	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	128672	19.977	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	156174	20.079	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	74699	20.127	ug/l	96
56) Ethyl methacrylate	10.67	69	82940	19.362	ug/l	96
57) 1,3-Dichloropropane	10.95	76	124863	19.767	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	130187	96.397	ug/l	96
59) 2-Hexanone	10.99	43	193641	95.947	ug/l	99
60) Dibromochloromethane	11.14	129	95022	20.004	ug/l	100
61) 1,2-Dibromoethane	11.25	107	71325	20.298	ug/l	98
64) Tetrachloroethene	10.88	164	101968	21.306	ug/l	93
65) Chlorobenzene	11.67	112	274133	20.244	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	101727	20.131	ug/l	100
67) Ethyl Benzene	11.75	91	483115	20.370	ug/l	100
68) m/p-Xylenes	11.86	106	376668	41.512	ug/l	100
69) o-Xylene	12.19	106	164997	20.525	ug/l	99
70) Styrene	12.20	104	290458	20.351	ug/l	99
71) Bromoform	12.37	173	57447	20.487	ug/l #	97
73) Isopropylbenzene	12.48	105	459538	20.913	ug/l	100
74) N-amyl acetate	12.30	43	92591	18.963	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	81087	20.446	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	103999	36.827	ug/l #	100
77) Bromobenzene	12.77	156	111514	20.437	ug/l	99
78) n-propylbenzene	12.83	91	552968	20.940	ug/l	100
79) 2-Chlorotoluene	12.91	91	305923	20.680	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	379914	20.991	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	25731	19.673	ug/l	96
82) 4-Chlorotoluene	13.01	91	323381	20.591	ug/l	98
83) tert-Butylbenzene	13.23	119	313339	20.657	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	382650	21.123	ug/l	100
85) sec-Butylbenzene	13.41	105	454458	20.792	ug/l	100
86) p-Isopropyltoluene	13.53	119	423815	21.203	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	214228	20.308	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	213036	20.462	ug/l	99
89) n-Butylbenzene	13.85	91	381216	20.697	ug/l	100
90) Hexachloroethane	14.12	117	82935	20.434	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	185158	20.442	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	12026	19.677	ug/l	96

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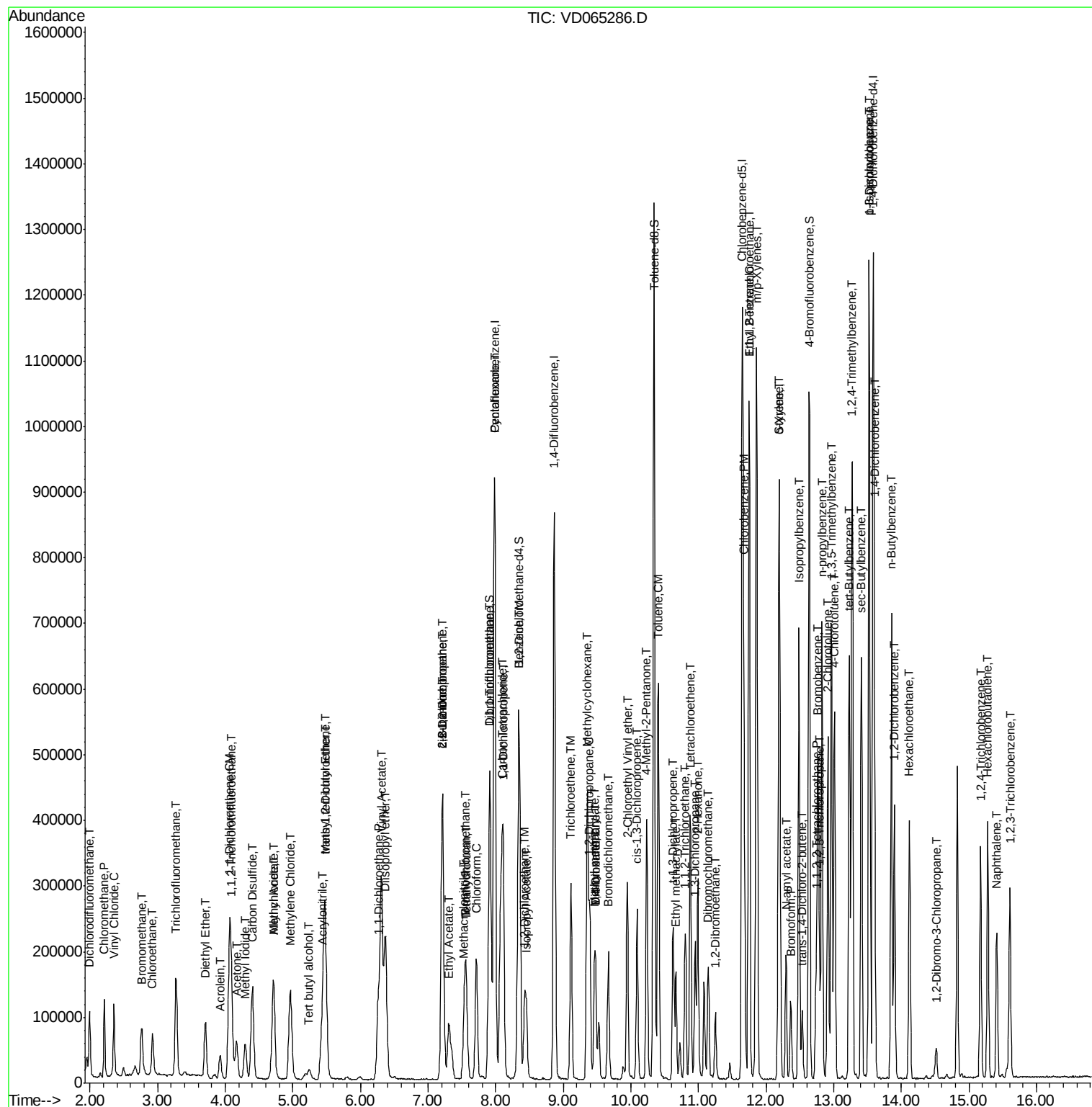
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	123193	20.793	ug/l	98
94) Hexachlorobutadiene	15.28	225	78397	20.628	ug/l	99
95) Naphthalene	15.41	128	194525	20.197	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	105019	20.296	ug/l	96

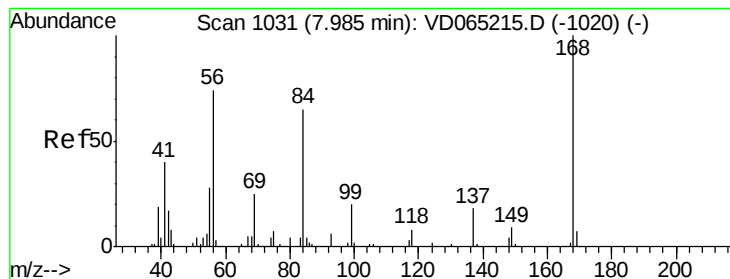
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022420\
Data File : VD065286.D
Acq On : 24 Feb 2020 11:13
Operator : VA/SY
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Misc : 5.00G/5.00ml/MSVOA D/SOIL
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Instrument :
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

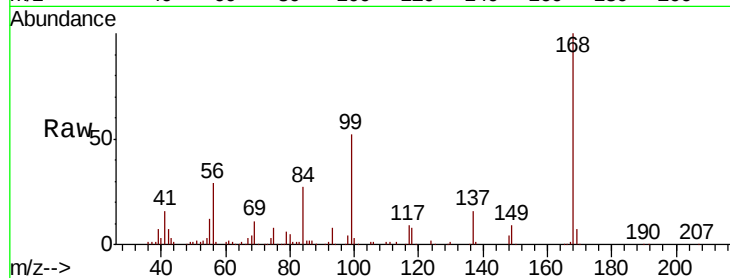
ClientSampleId :

Tot Ion:168 Resp: 506369

Ion Ratio Lower Upper

168 100

99 52.0 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

100000

50000

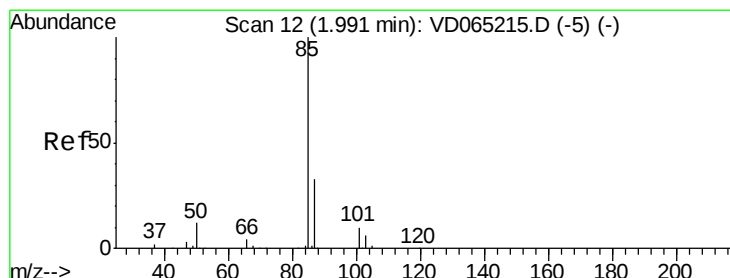
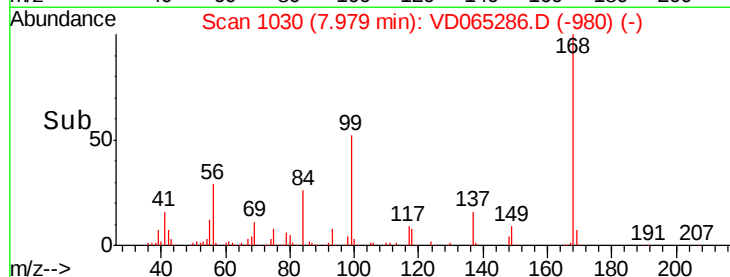
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.502 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065286.D

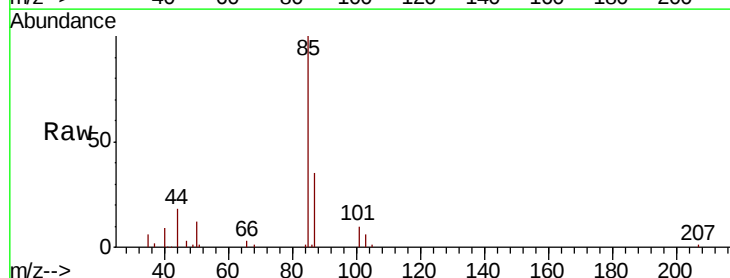
Acq: 24 Feb 2020 11:13

Tgt Ion: 85 Resp: 74334

Ion Ratio Lower Upper

85 100

87 34.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

50000

40000

30000

20000

10000

0

1.90

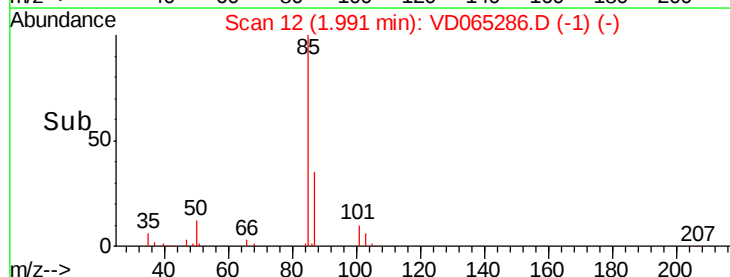
1.95

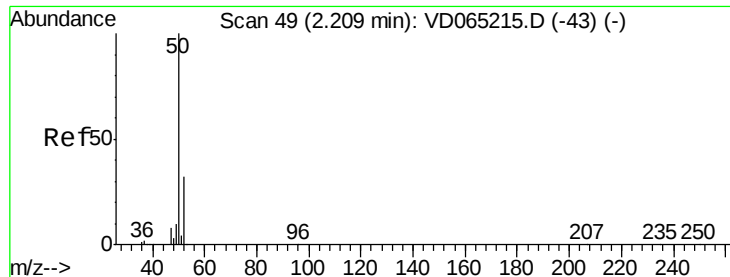
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 19.103 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

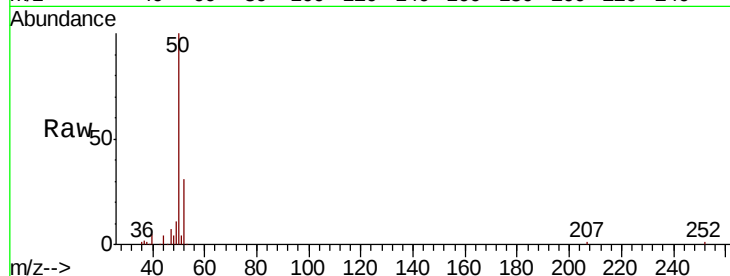
ClientSampleId :

Tot Ion: 50 Resp: 103266

Ion Ratio Lower Upper

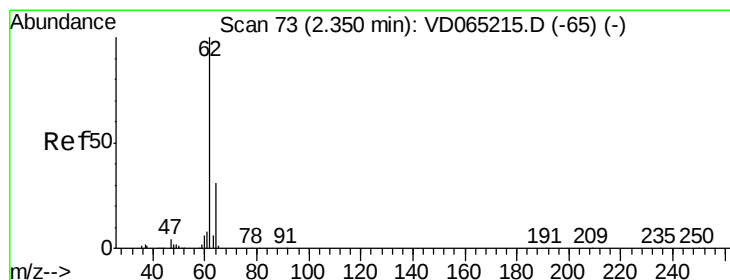
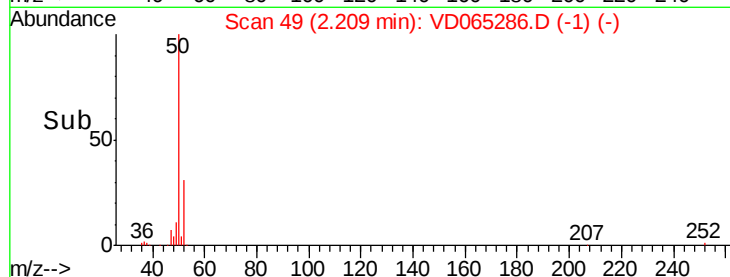
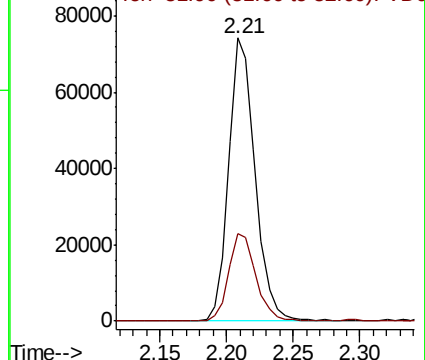
50 100

52 31.1 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.540 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065286.D

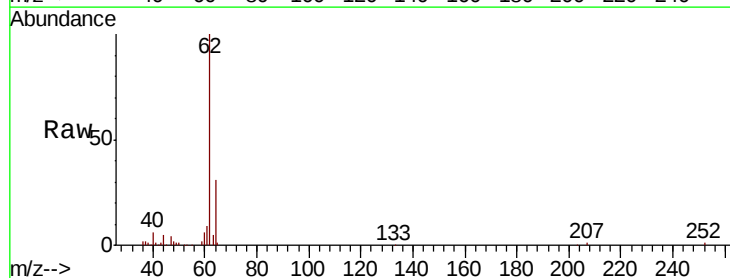
Acq: 24 Feb 2020 11:13

Tgt Ion: 62 Resp: 101916

Ion Ratio Lower Upper

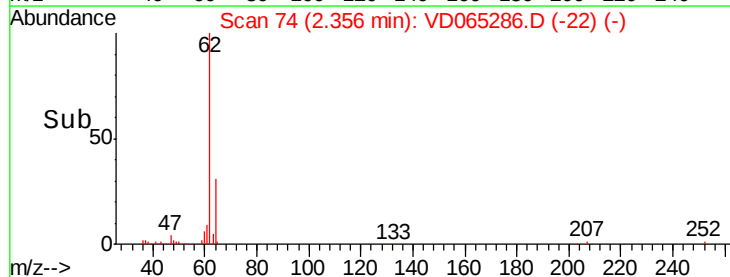
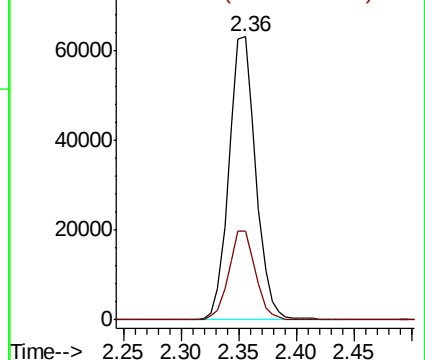
62 100

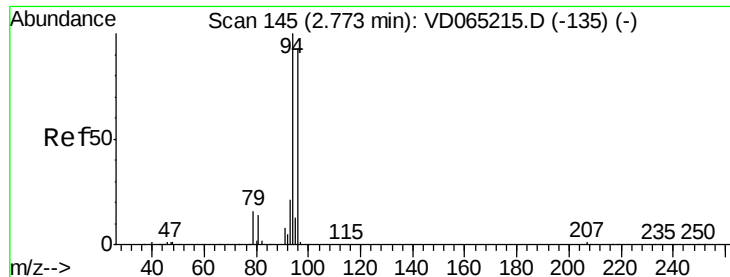
64 31.4 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 18.343 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

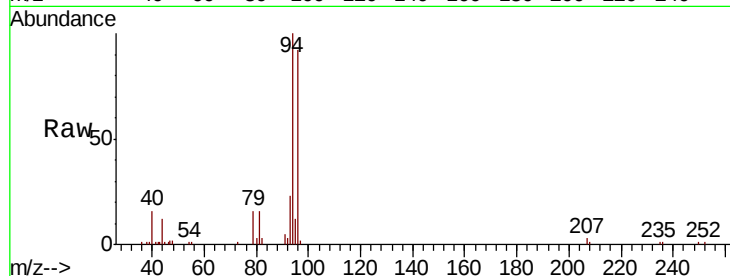
ClientSampled :

Tot Ion: 94 Resp: 60966

Ion Ratio Lower Upper

94 100

96 91.8 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

25000

20000

15000

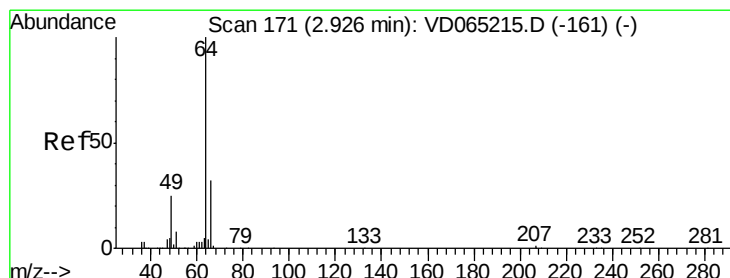
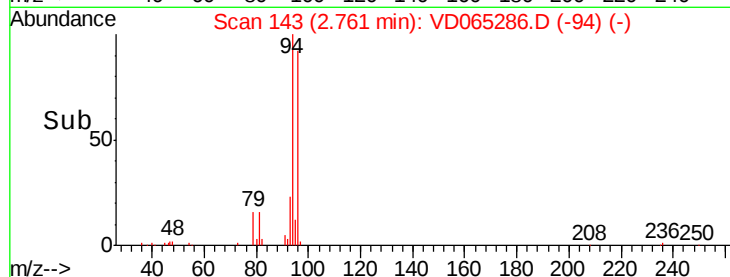
10000

5000

0

Time-->

2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 19.254 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065286.D

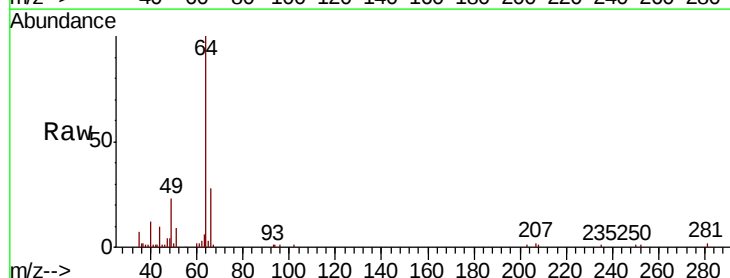
Acq: 24 Feb 2020 11:13

Tgt Ion: 64 Resp: 64603

Ion Ratio Lower Upper

64 100

66 28.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

30000

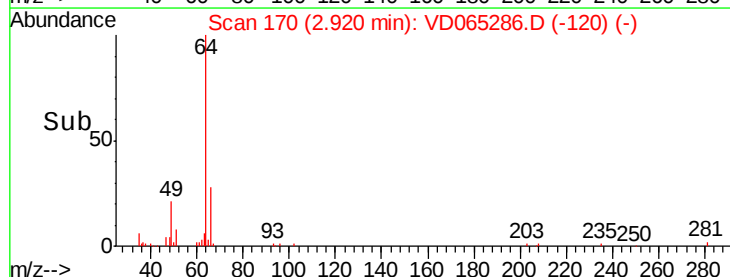
20000

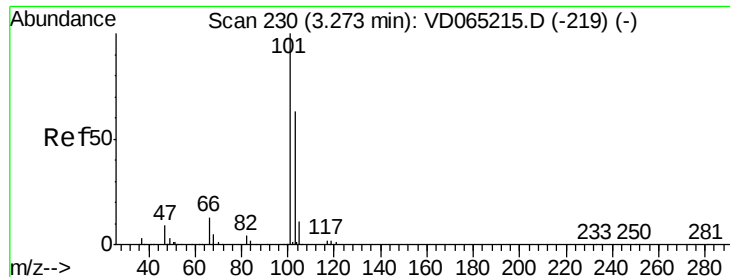
10000

0

Time-->

2.80 2.90 3.00



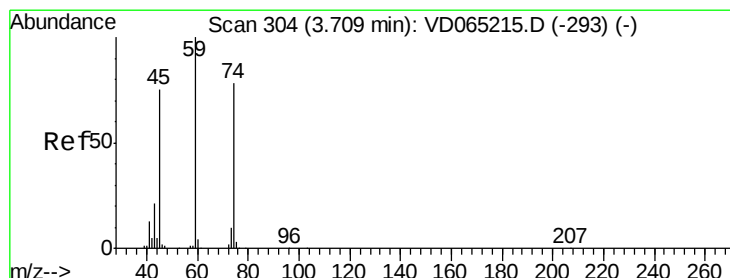
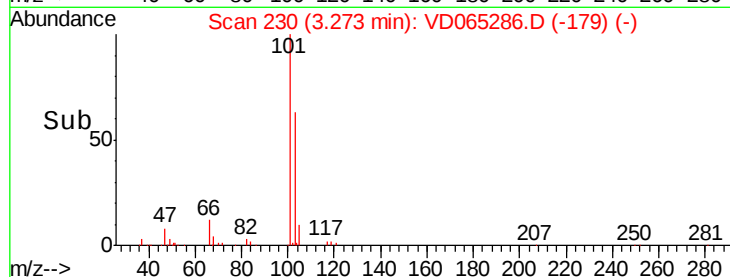
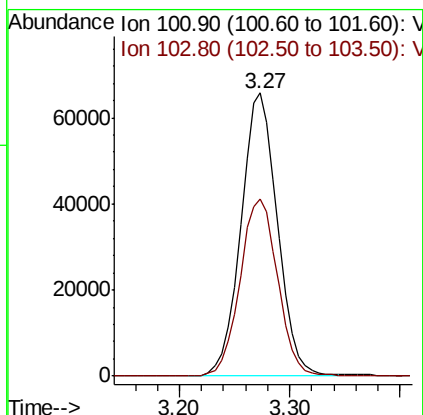
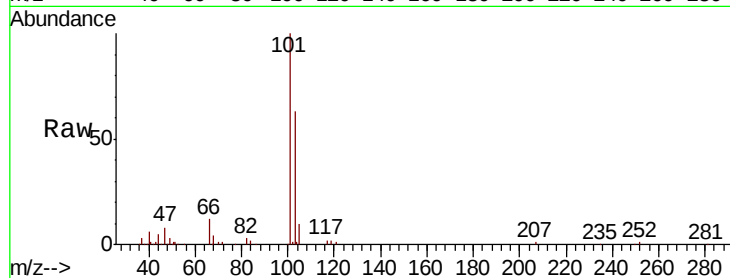


#7

Trichlorofluoromethane
Concen: 19.345 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Instrument :
MSVOA_D
ClientSampleId :

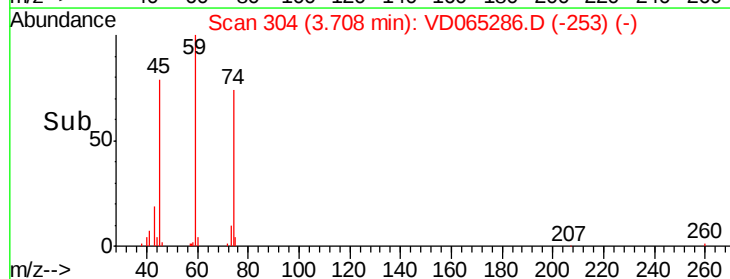
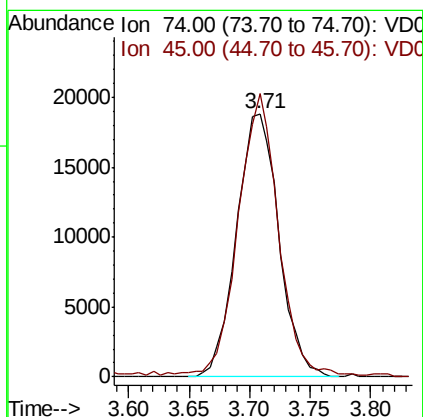
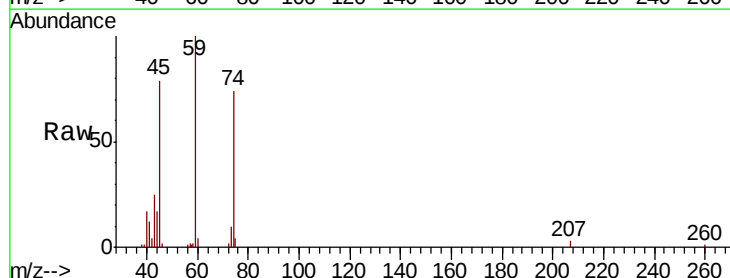
Tot Ion:101 Resp: 152246
Ion Ratio Lower Upper
101 100
103 62.7 50.7 76.1

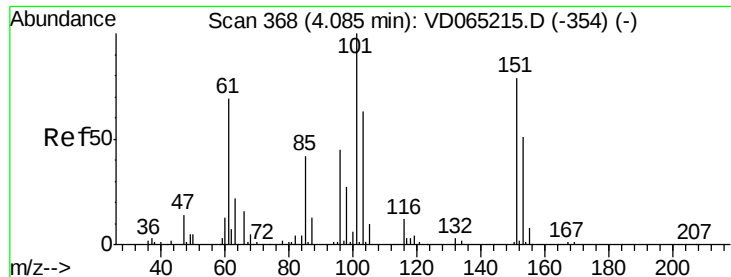


#8

Diethyl Ether
Concen: 19.321 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion: 74 Resp: 45899
Ion Ratio Lower Upper
74 100
45 99.7 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.238 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

ClientSampleId :

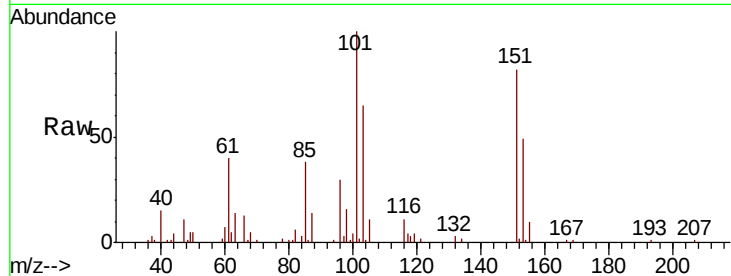
Tot Ion:101 Resp: 100579

Ion Ratio Lower Upper

101 100

85 40.9 34.2 51.2

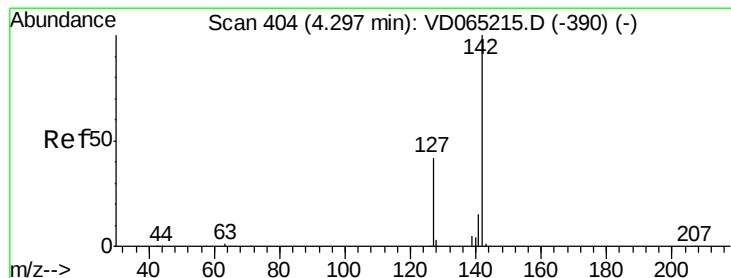
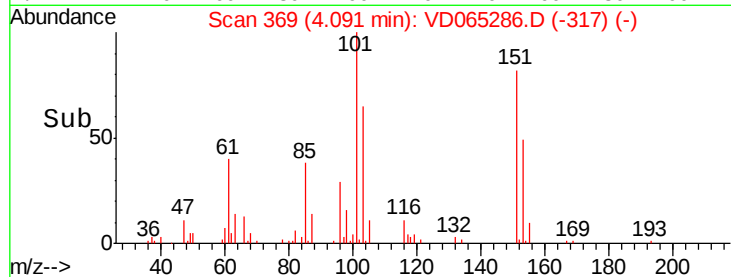
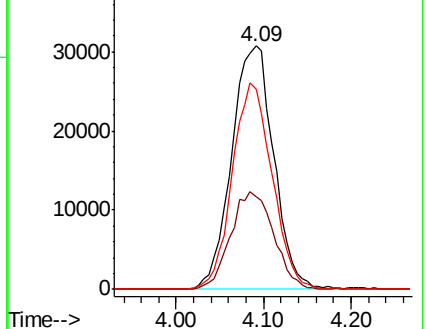
151 79.9 63.5 95.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.771 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

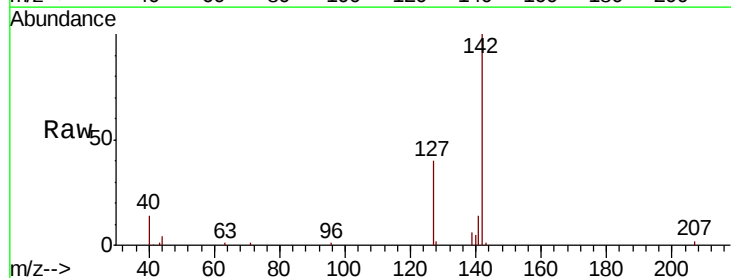
Tgt Ion:142 Resp: 91704

Ion Ratio Lower Upper

142 100

127 42.6 33.8 50.8

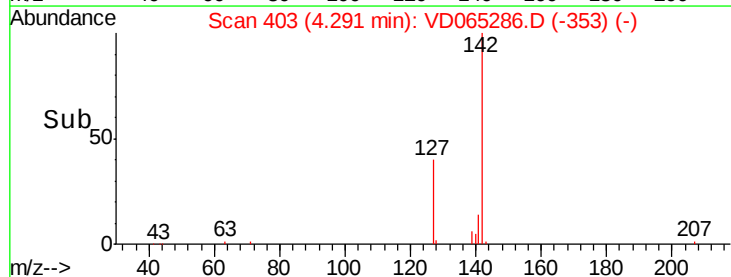
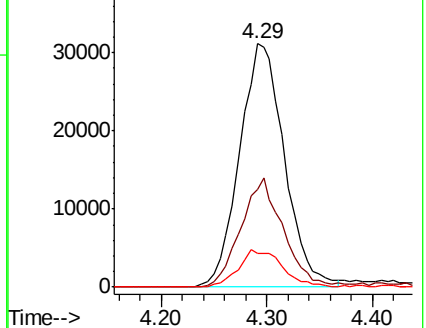
141 14.9 11.7 17.5

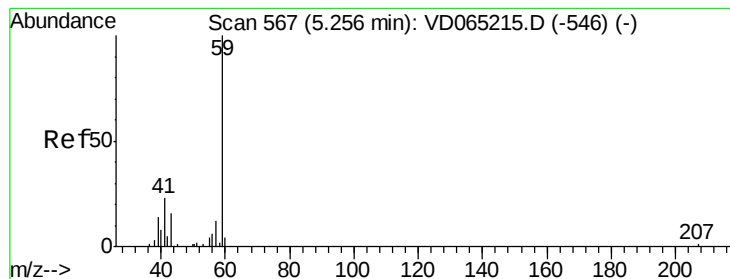


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



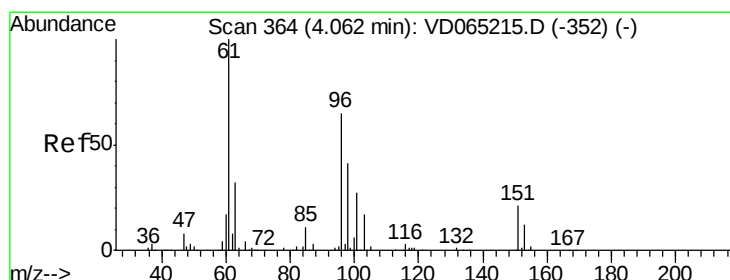
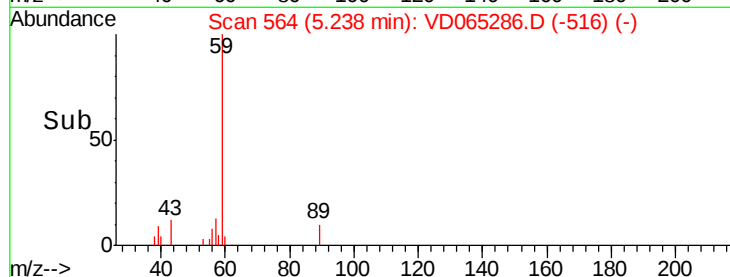
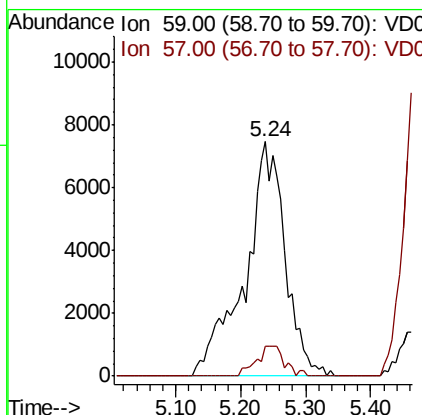
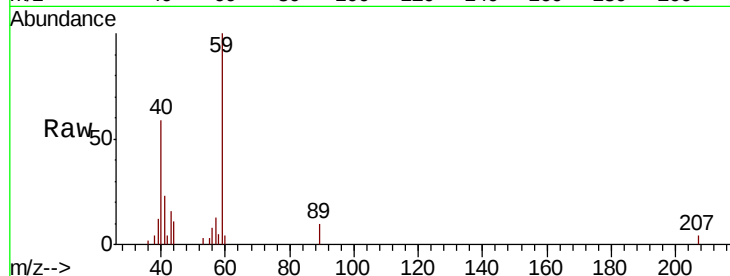


#11

Tert butyl alcohol
Concen: 117.439 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.02 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Instrument :
MSVOA_D
ClientSampleId :

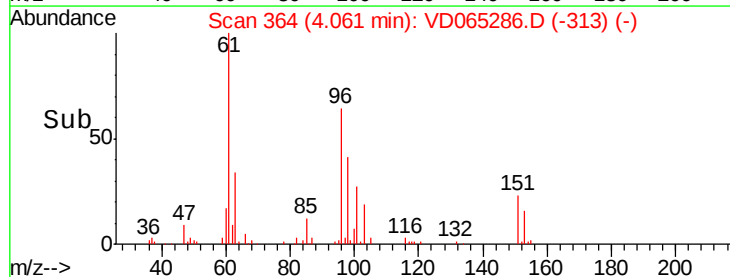
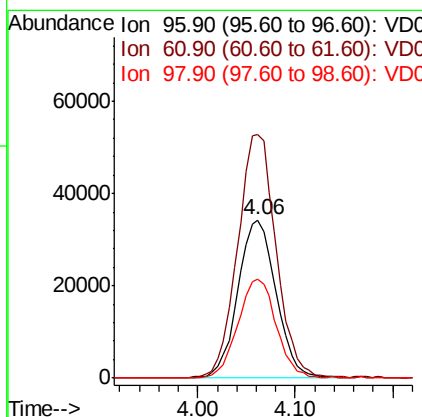
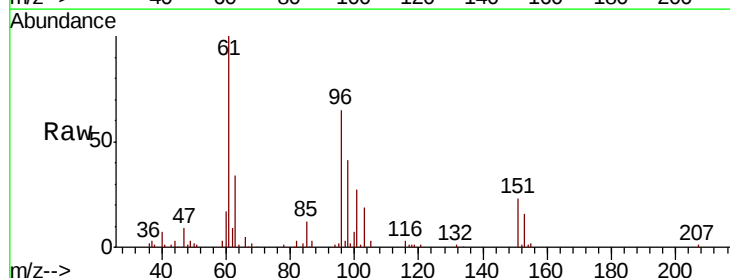
Tot Ion: 59 Resp: 31968
Ion Ratio Lower Upper
59 100
57 8.6 8.4 12.6

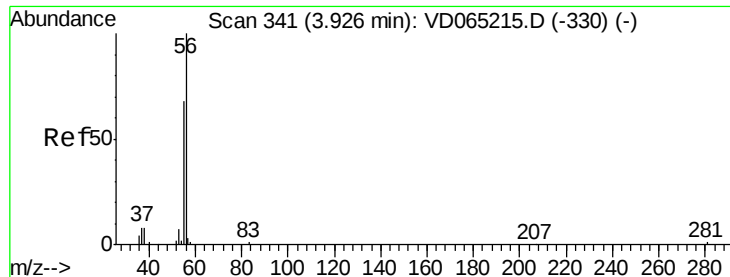


#12

1,1-Dichloroethene
Concen: 19.983 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion: 96 Resp: 93816
Ion Ratio Lower Upper
96 100
61 153.9 123.3 184.9
98 62.7 51.0 76.4





#13

Acrolein

Concen: 109.317 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

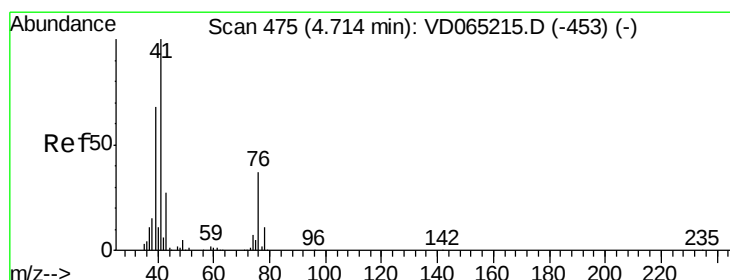
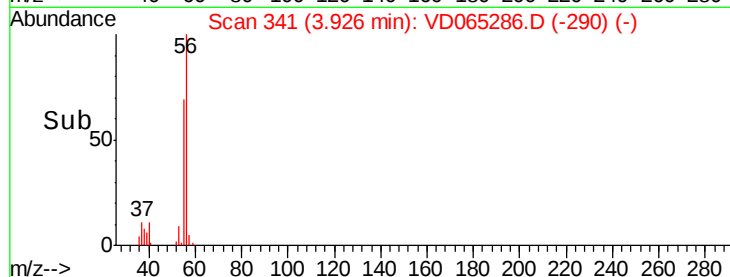
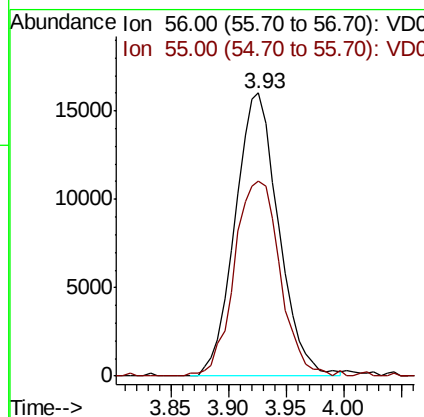
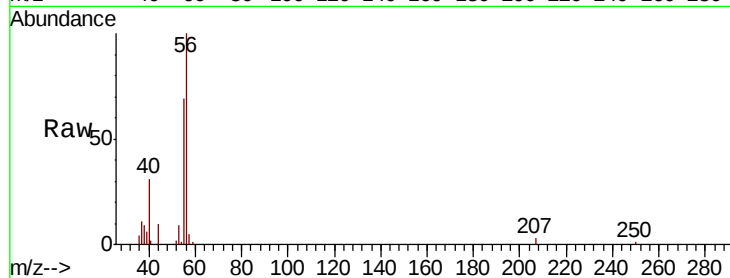
ClientSampleId :

Tot Ion: 56 Resp: 41939

Ion Ratio Lower Upper

56 100

55 72.3 56.6 85.0



#14

Allyl chloride

Concen: 19.589 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

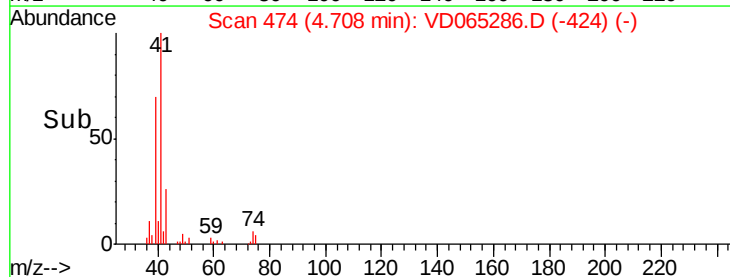
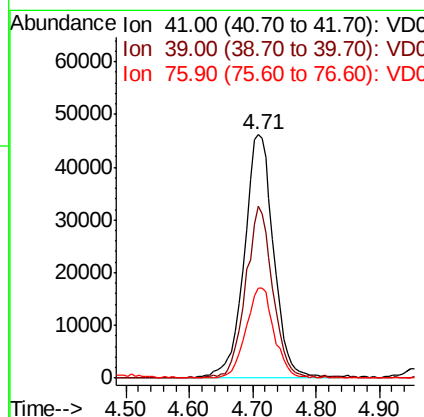
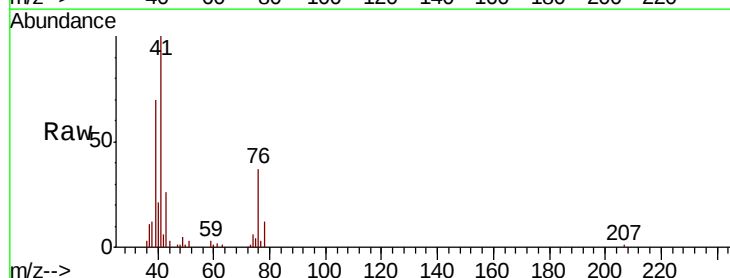
Tgt Ion: 41 Resp: 149346

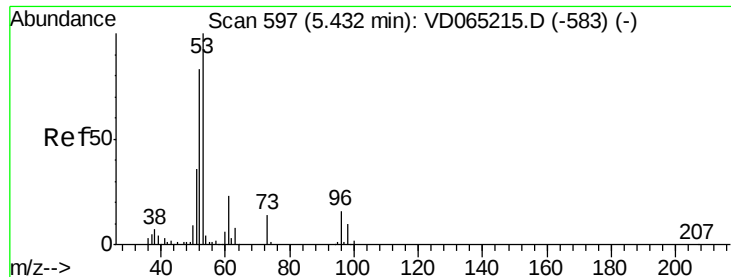
Ion Ratio Lower Upper

41 100

39 64.9 53.8 80.6

76 35.6 28.7 43.1





#15

Acrylonitrile

Concen: 98.100 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

ClientSampleId :

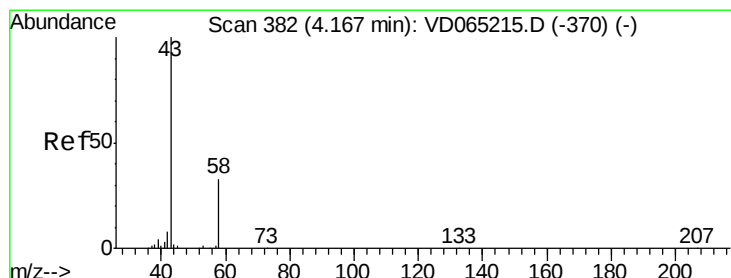
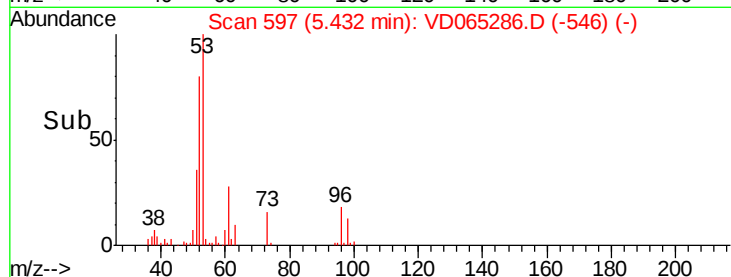
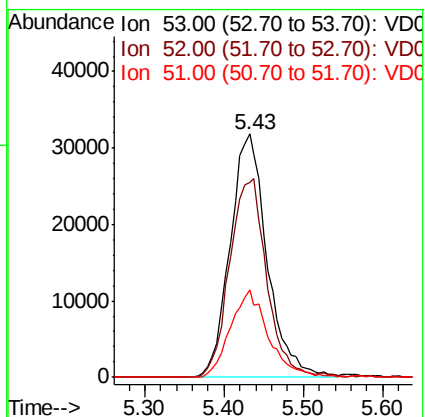
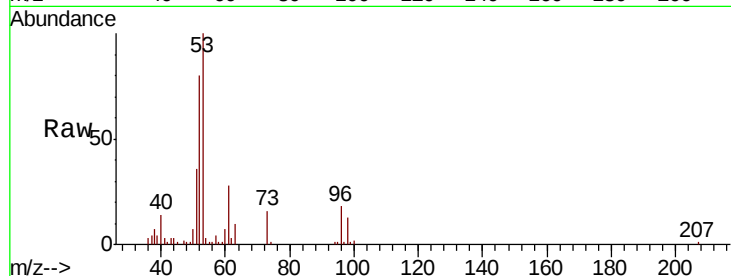
Tot Ion: 53 Resp: 103176

Ion Ratio Lower Upper

53 100

52 81.2 65.4 98.2

51 36.6 29.5 44.3



#16

Acetone

Concen: 88.682 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065286.D

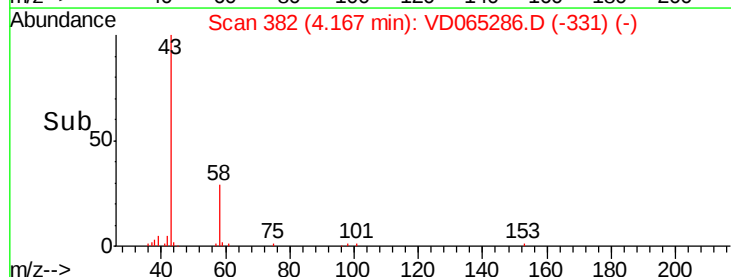
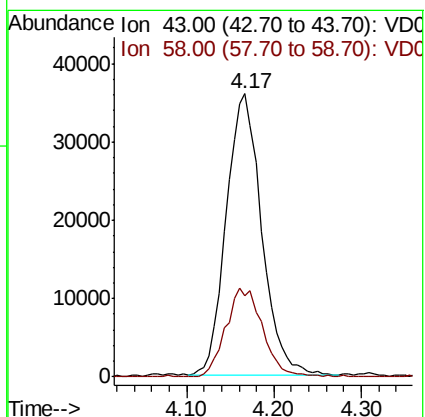
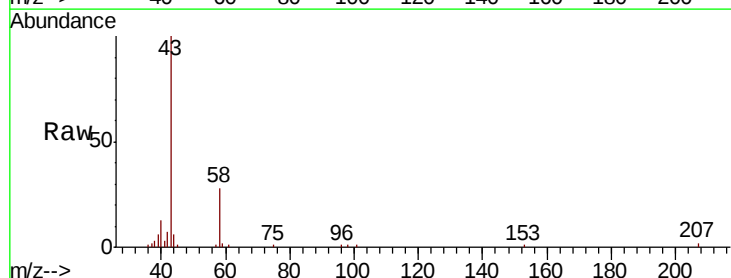
Acq: 24 Feb 2020 11:13

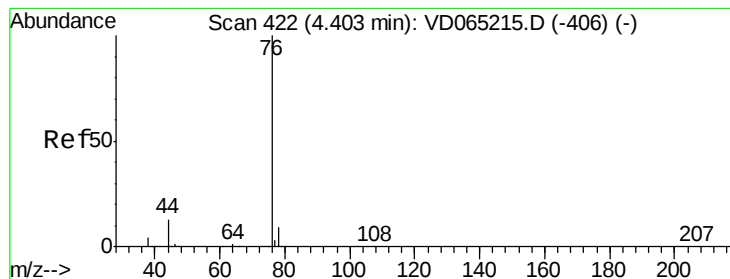
Tgt Ion: 43 Resp: 98752

Ion Ratio Lower Upper

43 100

58 28.7 26.2 39.2





#17

Carbon Disulfide

Concen: 19.601 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

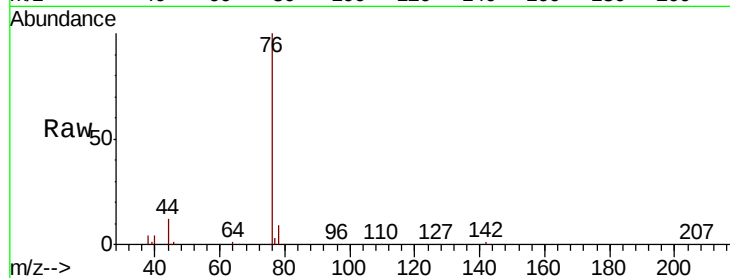
ClientSampleId :

Tot Ion: 76 Resp: 308523

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

120000

100000

80000

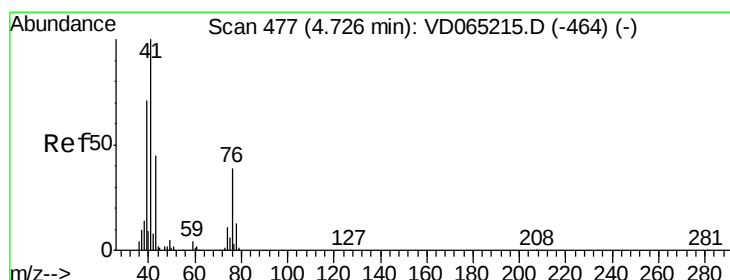
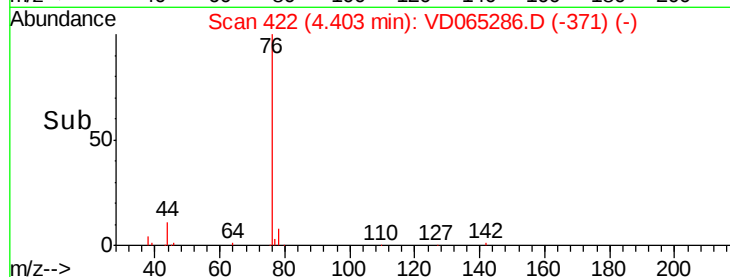
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 20.442 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065286.D

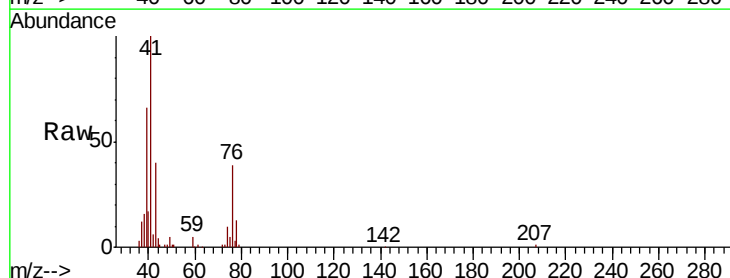
Acq: 24 Feb 2020 11:13

Tgt Ion: 43 Resp: 51197

Ion Ratio Lower Upper

43 100

74 22.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

20000

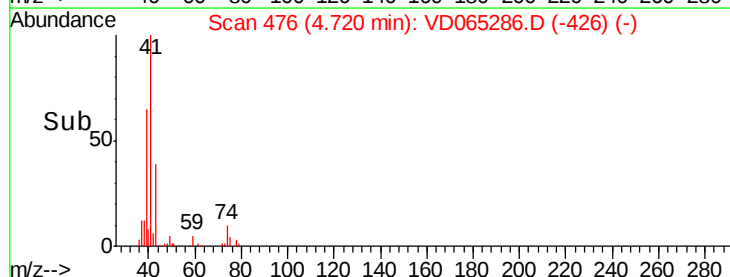
15000

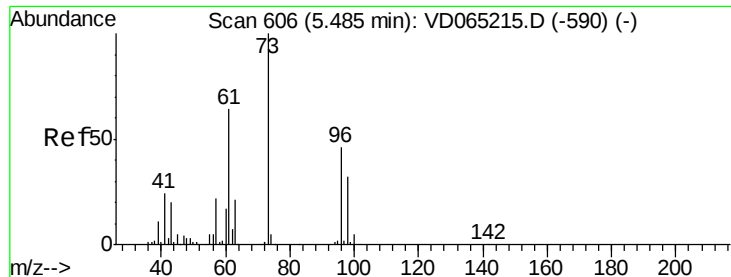
10000

5000

0

Time-->

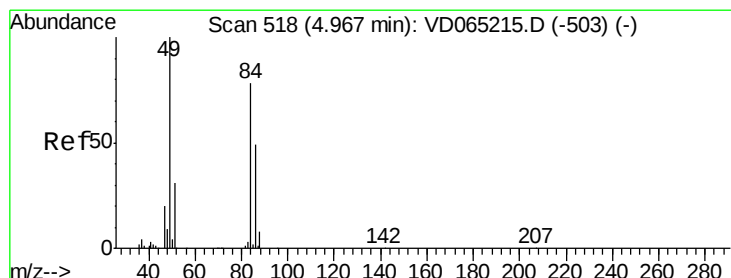
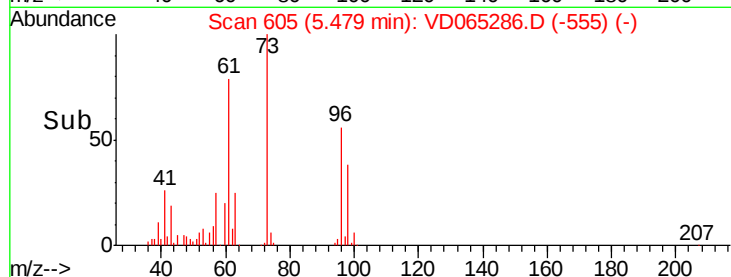
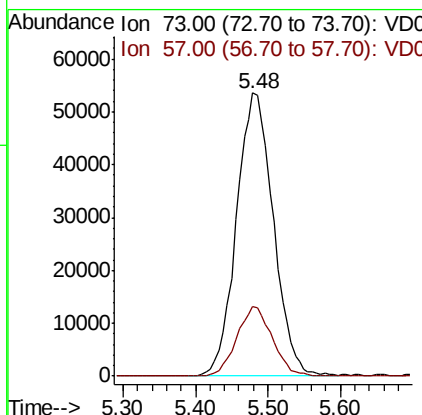
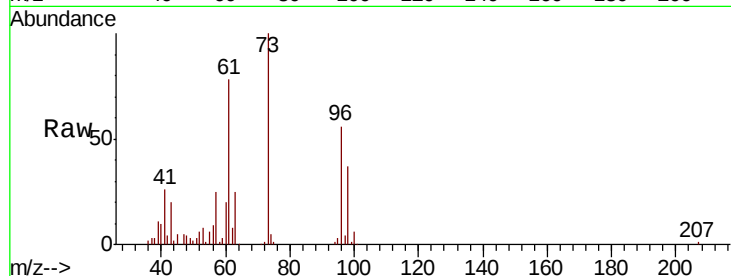




#19
Methyl tert-butyl Ether
Concen: 19.315 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

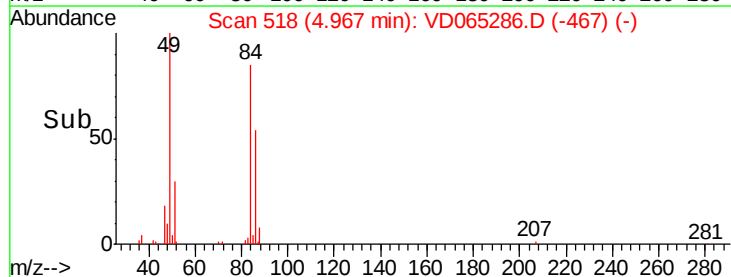
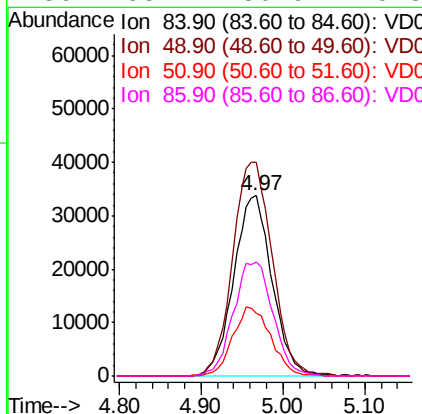
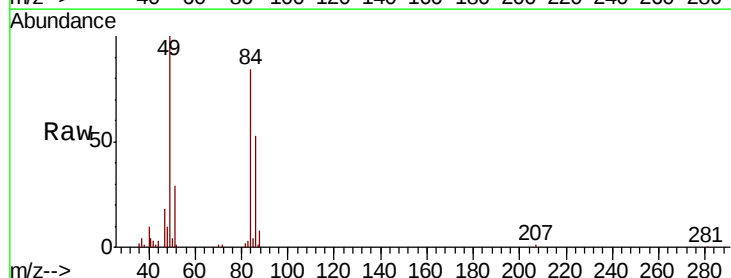
Instrument :
MSVOA_D
ClientSampleId :

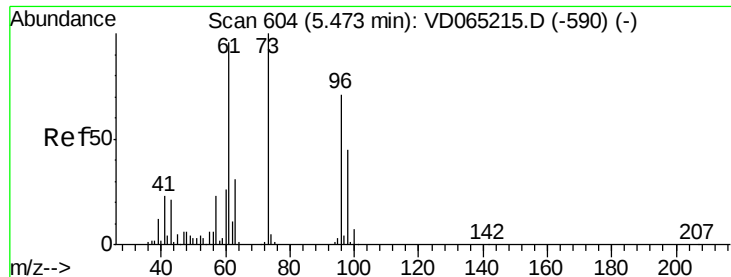
Tot Ion: 73 Resp: 189101
Ion Ratio Lower Upper
73 100
57 24.5 17.3 25.9



#20
Methylene Chloride
Concen: 19.365 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion: 84 Resp: 109995
Ion Ratio Lower Upper
84 100
49 118.5 103.1 154.7
51 34.7 31.7 47.5
86 63.1 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 19.999 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

ClientSampled :

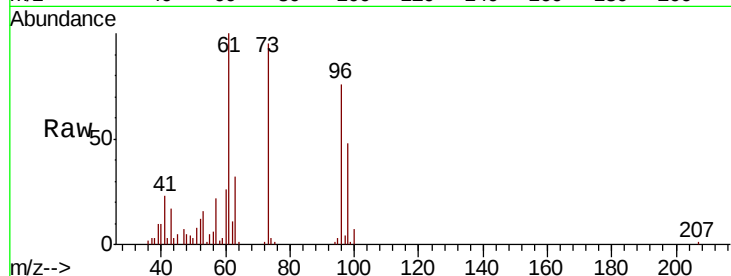
Tot Ion: 96 Resp: 106735

Ion Ratio Lower Upper

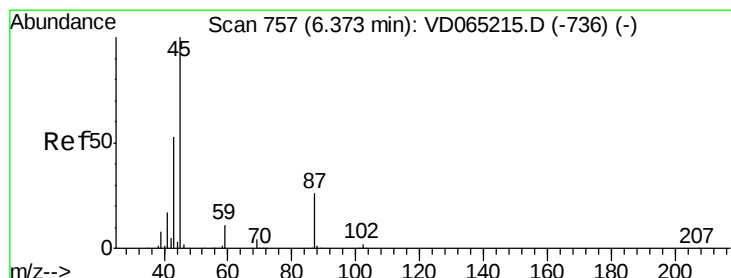
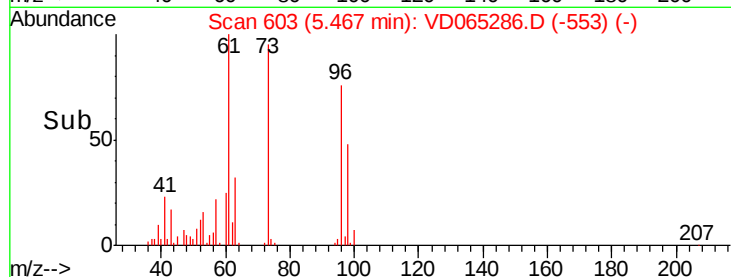
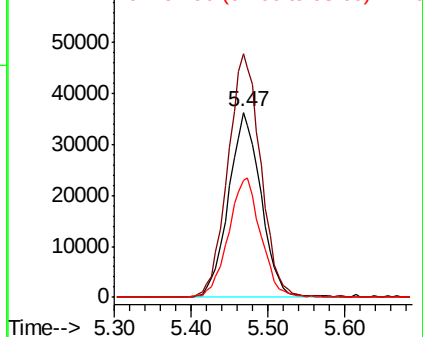
96 100

61 131.8 108.3 162.5

98 63.2 50.7 76.1



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



#22

Diisopropyl ether

Concen: 19.875 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Tgt Ion: 45 Resp: 292105

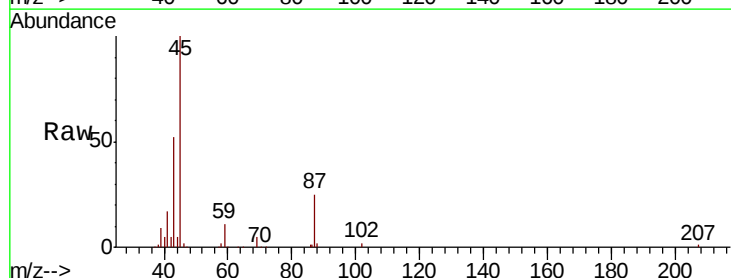
Ion Ratio Lower Upper

45 100

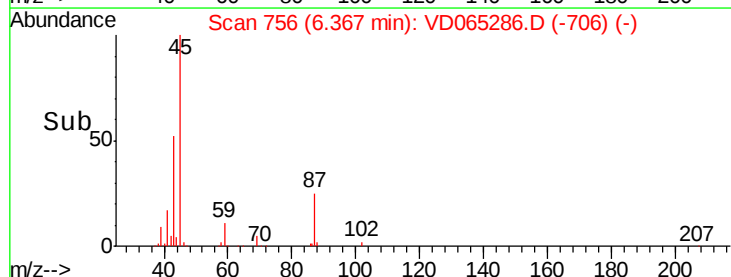
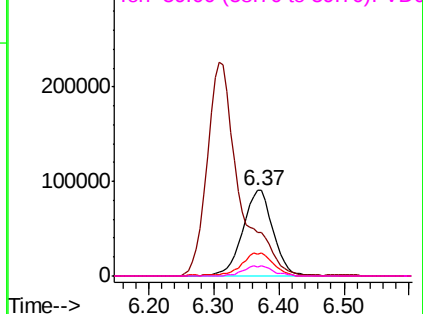
43 50.3 42.6 64.0

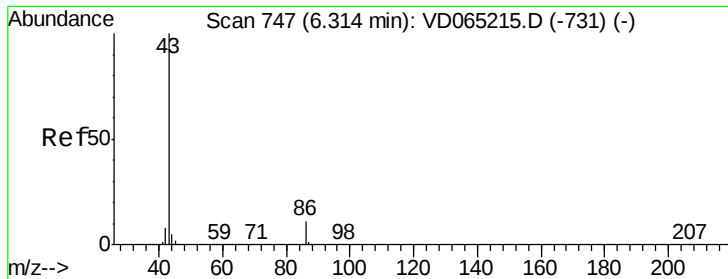
87 24.9 21.2 31.8

59 10.7 8.9 13.3



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

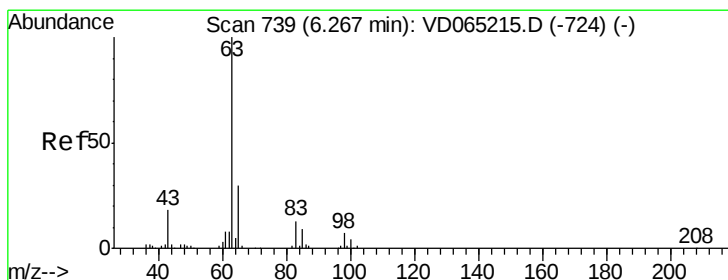
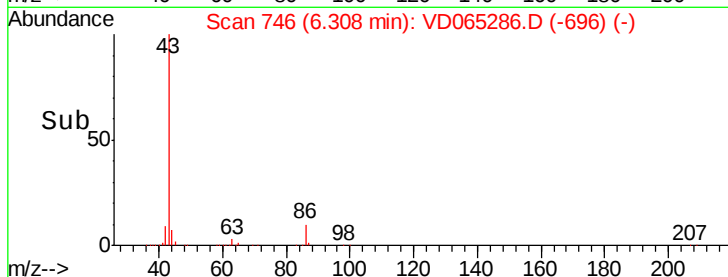
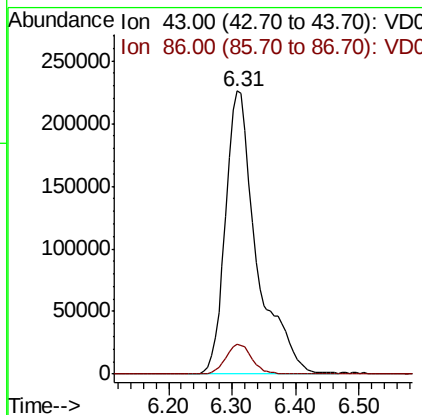
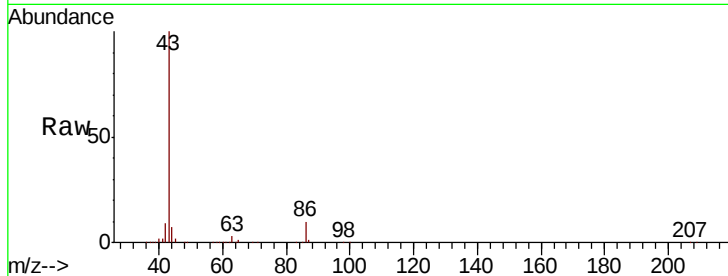




#23
 Vinyl Acetate
 Concen: 94.814 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

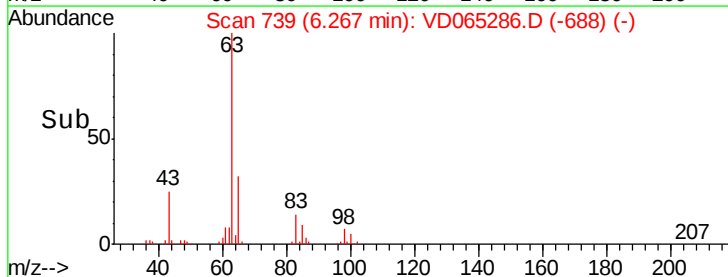
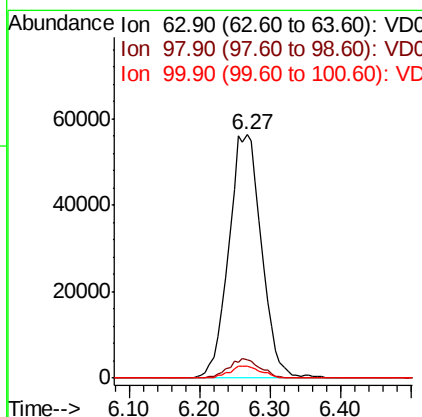
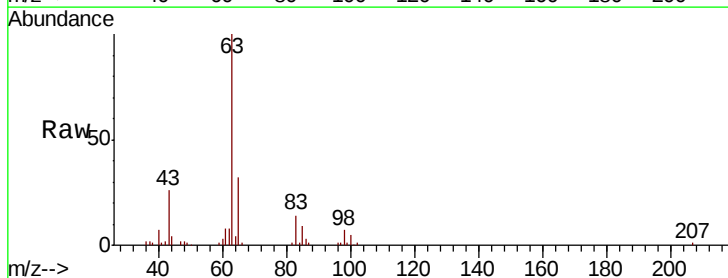
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 43 Resp: 768231
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.6 12.8



#24
 1,1-Dichloroethane
 Concen: 19.942 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Tgt Ion: 63 Resp: 181794
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.4 10.1
 100 4.7 2.3 6.8





#25

2-Butanone

Concen: 90.791 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

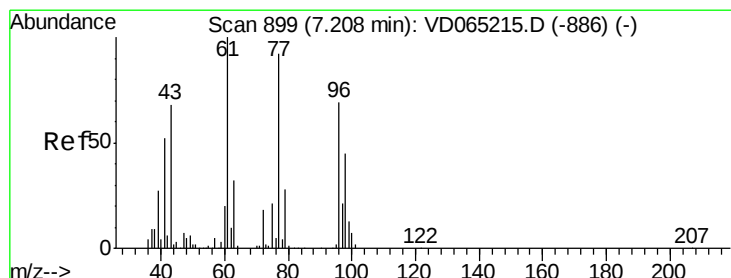
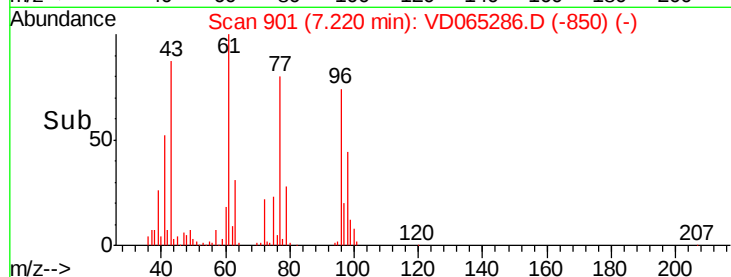
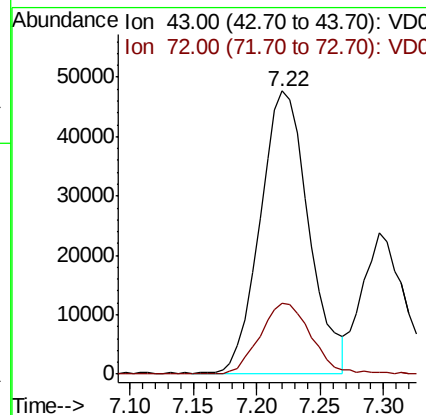
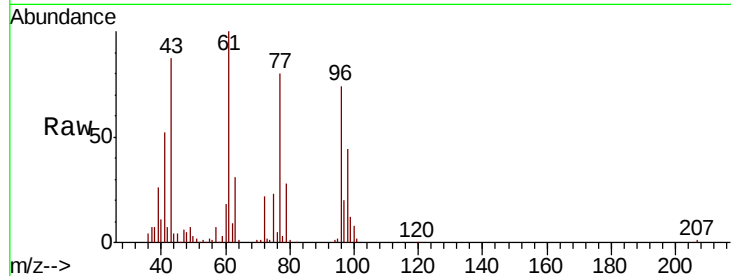
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 127914

Ion Ratio Lower Upper

43 100

72 24.9 20.9 31.3



#26

2,2-Dichloropropane

Concen: 20.037 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065286.D

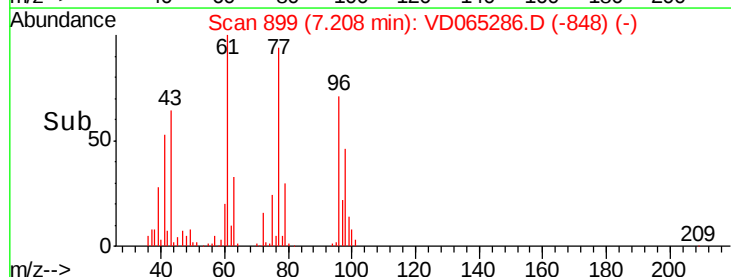
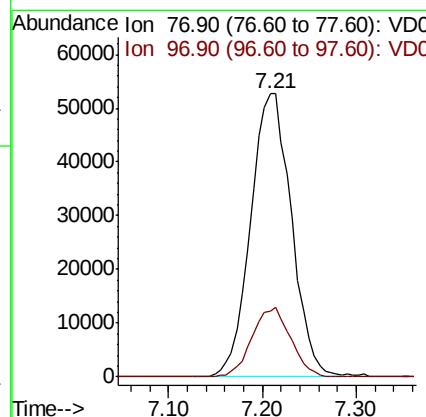
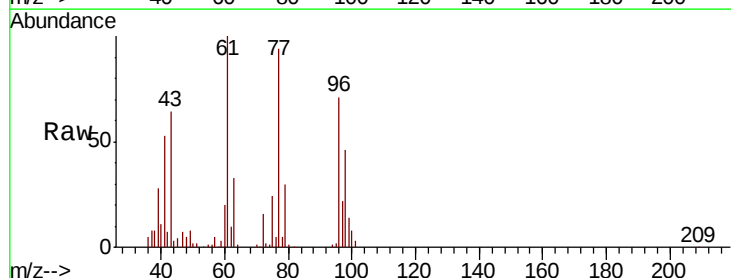
Acq: 24 Feb 2020 11:13

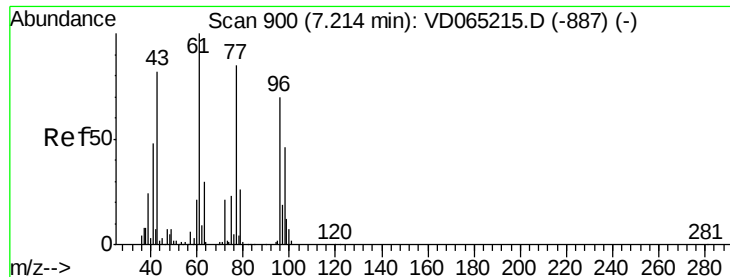
Tgt Ion: 77 Resp: 158484

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.1



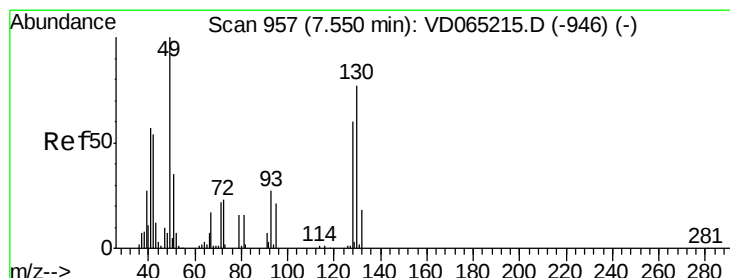
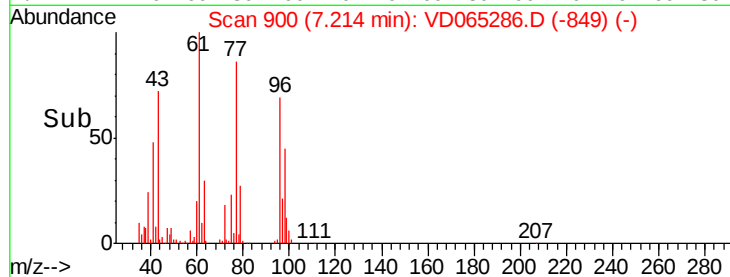
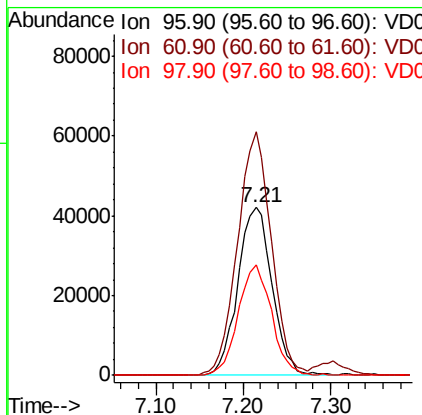
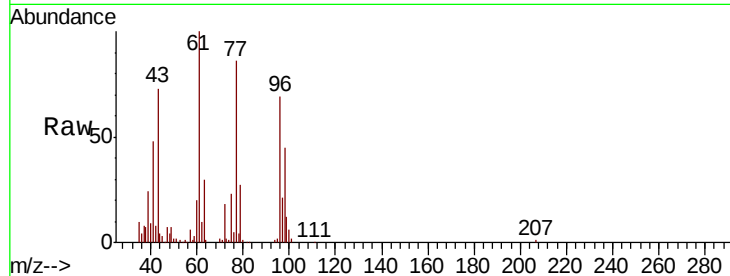


#27

cis-1,2-Dichloroethene
 Concen: 19.766 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Instrument :
 MSVOA_D
 ClientSampleId :

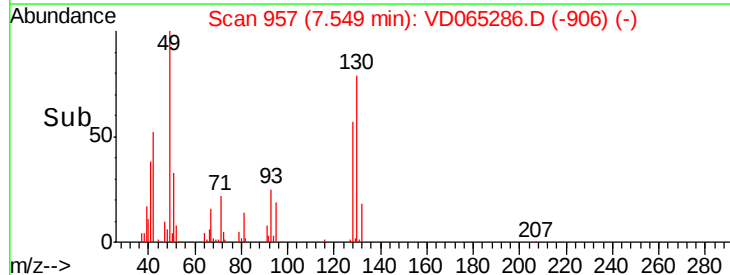
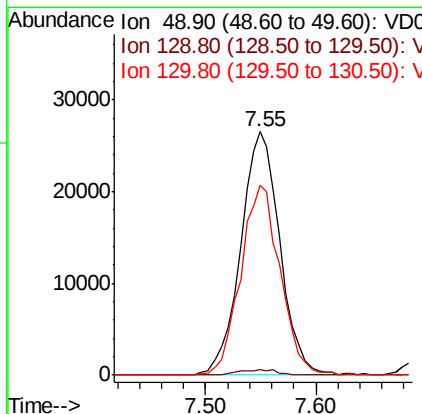
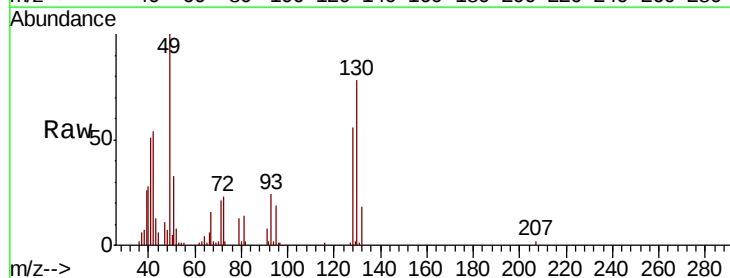
Tot Ion	96	Resp	111744
Ion	Ratio	Lower	Upper
96	100		
61	142.8	0.0	286.0
98	63.9	0.0	127.8

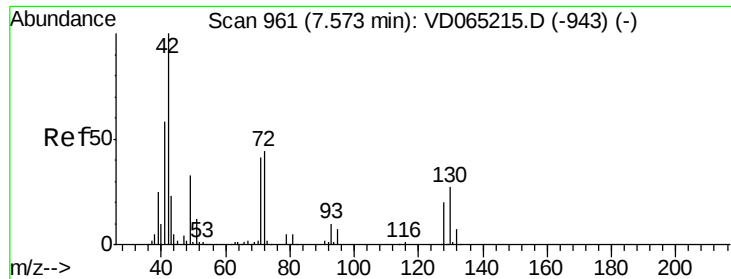


#28

Bromochloromethane
 Concen: 19.468 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Tgt Ion	49	Resp	65841
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	78.8	64.7	97.1

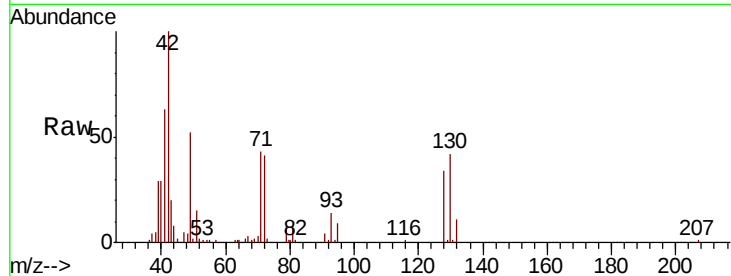




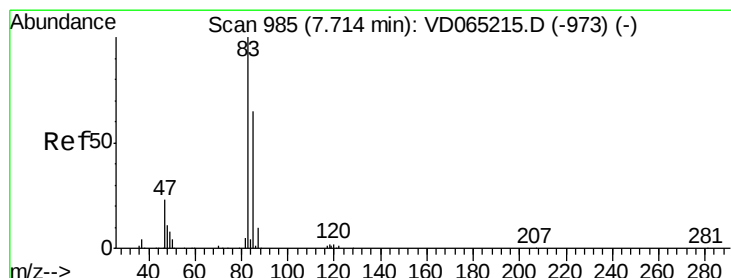
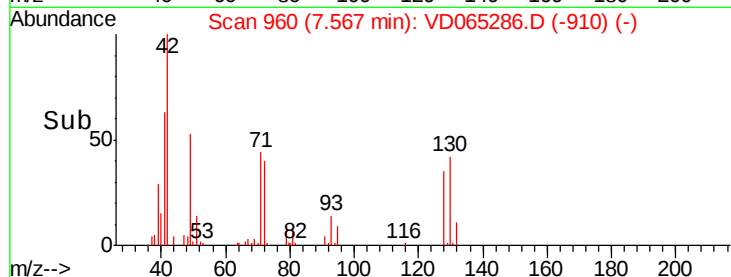
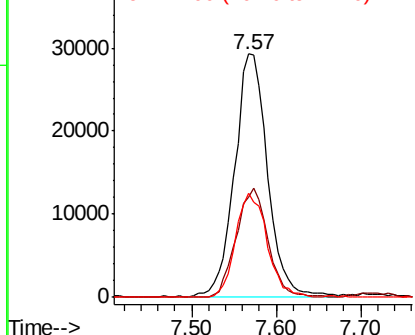
#29
Tetrahydrofuran
Concen: 96.492 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 79654
Ion Ratio Lower Upper
42 100
72 42.9 33.7 50.5
71 40.6 31.4 47.2

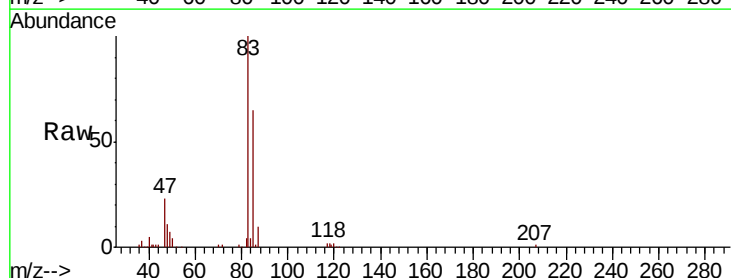


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

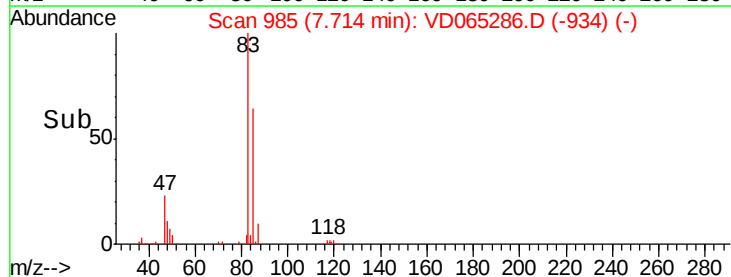
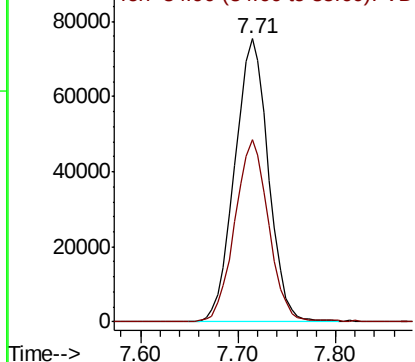


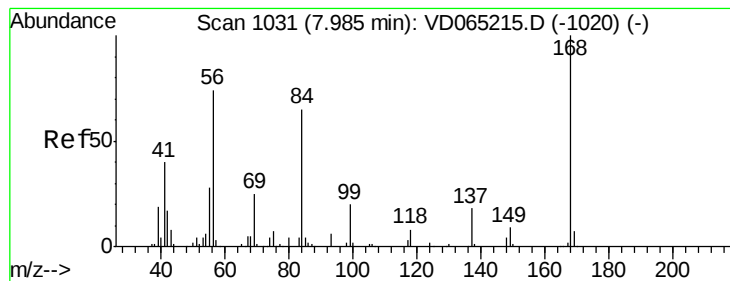
#30
Chloroform
Concen: 19.784 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion: 83 Resp: 181704
Ion Ratio Lower Upper
83 100
85 64.5 52.3 78.5



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





#31

Cyclohexane

Concen: 19.667 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

ClientSampleId :

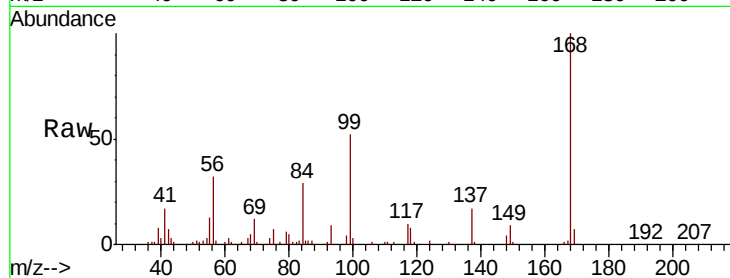
Tot Ion: 56 Resp: 176156

Ion Ratio Lower Upper

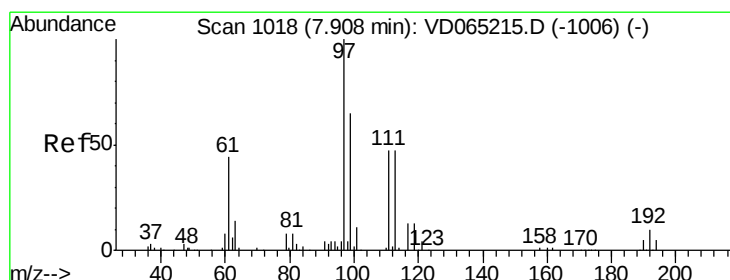
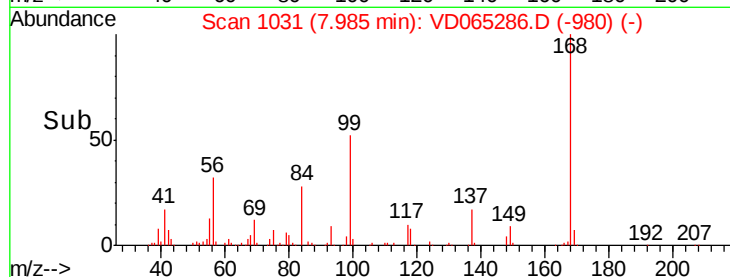
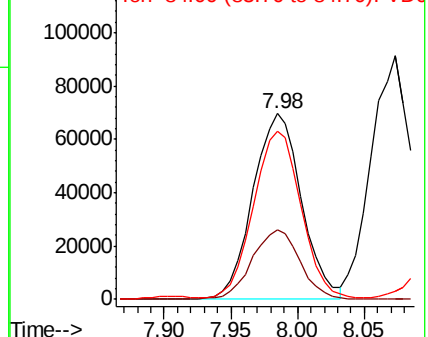
56 100

69 37.4 27.4 41.0

84 89.8 71.1 106.7



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



#32

1,1,1-Trichloroethane

Concen: 19.637 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

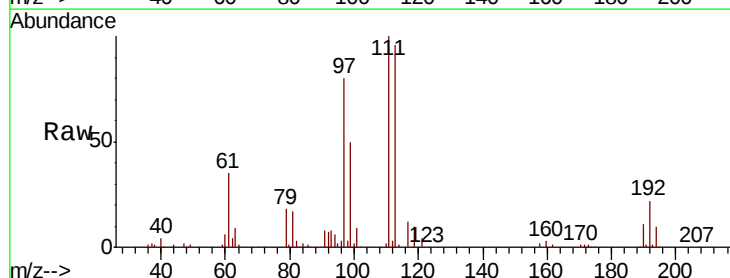
Tgt Ion: 97 Resp: 161359

Ion Ratio Lower Upper

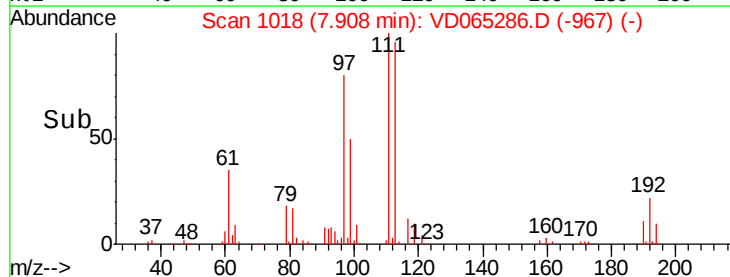
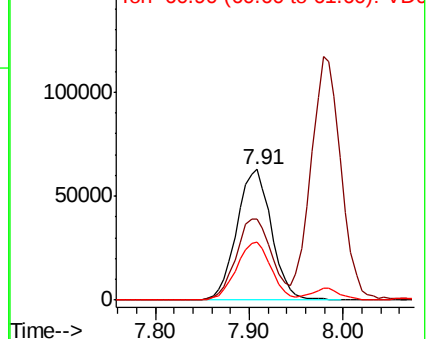
97 100

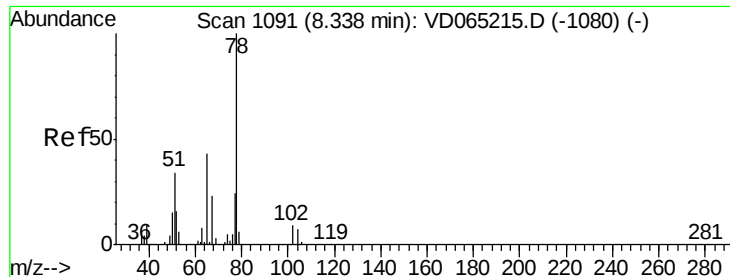
99 64.2 51.4 77.2

61 44.4 34.8 52.2



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

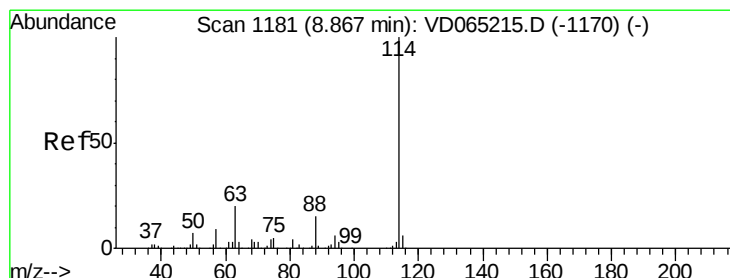
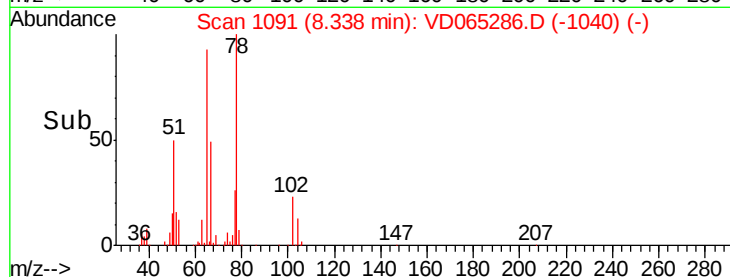
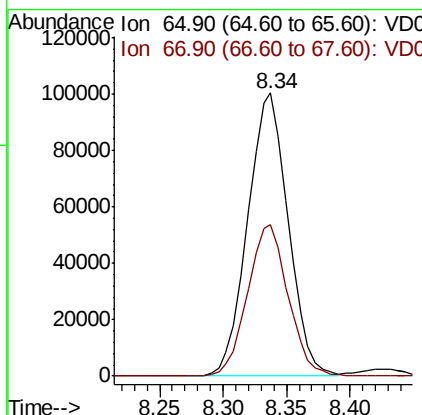
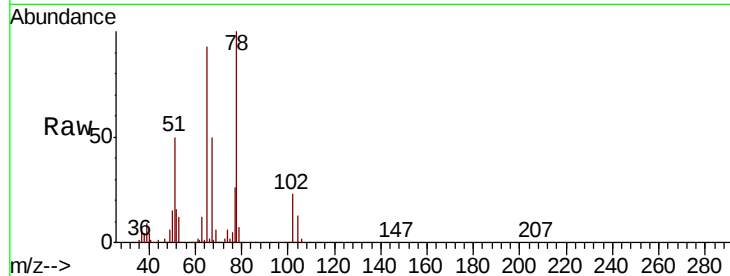




#33
 1,2-Dichloroethane-d4
 Concen: 48.930 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

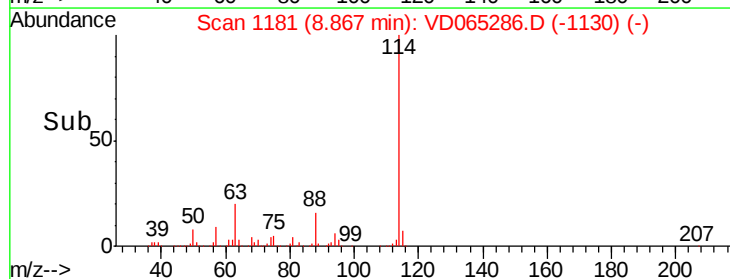
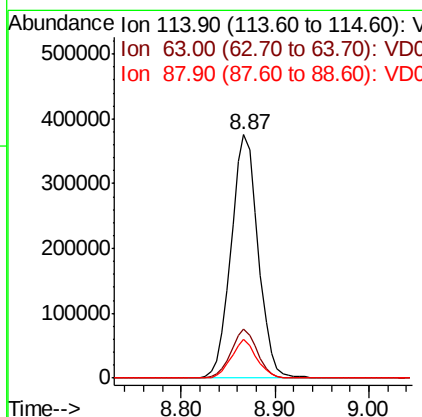
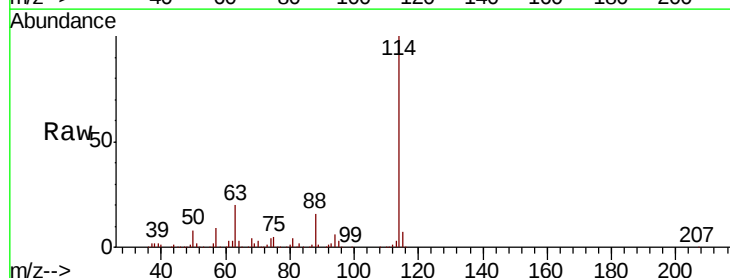
Instrument :
 MSVOA_D
 ClientSampled :

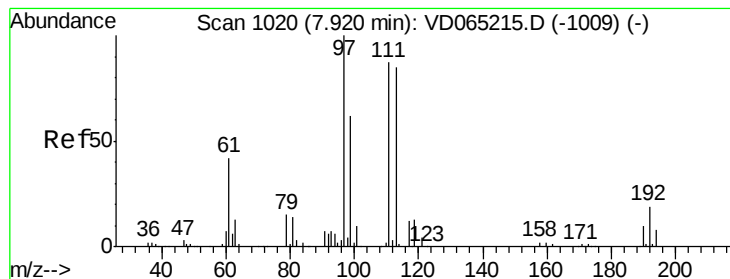
Tot Ion: 65 Resp: 222892
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Tgt Ion: 114 Resp: 750436
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.4
 88 15.7 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.916 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

ClientSampleId :

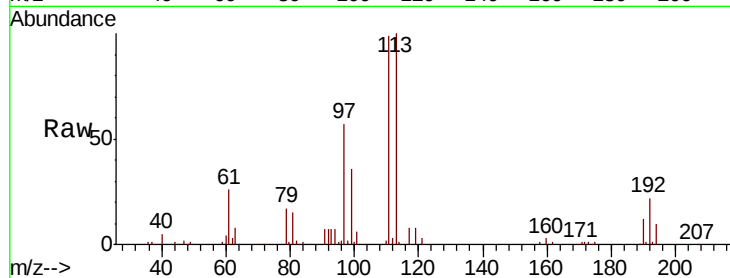
Tot Ion:113 Resp: 232977

Ion Ratio Lower Upper

113 100

111 101.7 82.9 124.3

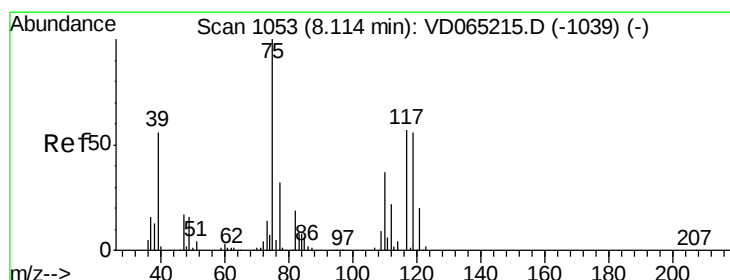
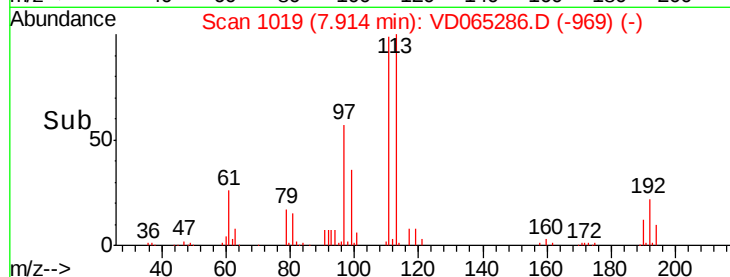
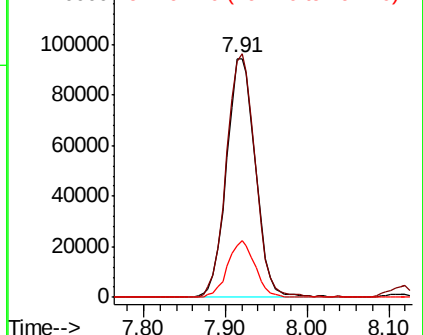
192 22.6 17.3 25.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.108 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

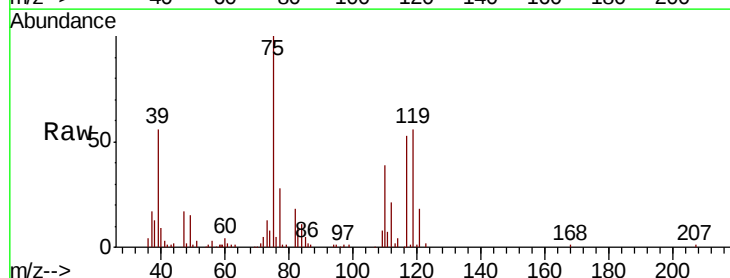
Tgt Ion: 75 Resp: 146824

Ion Ratio Lower Upper

75 100

110 36.6 17.9 53.7

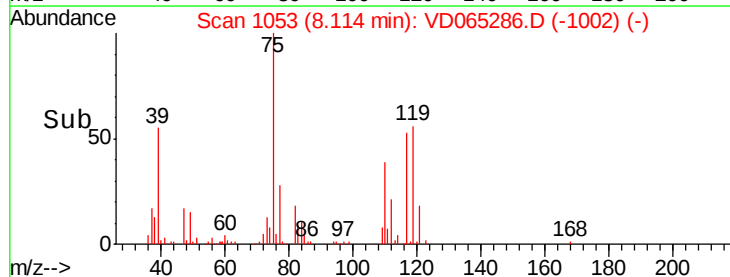
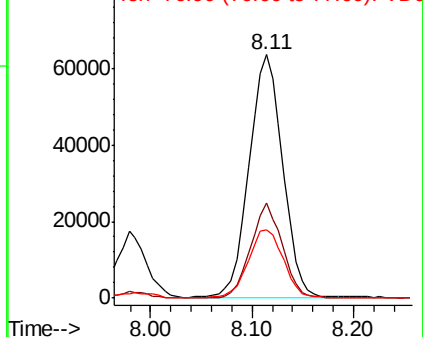
77 29.5 25.1 37.7

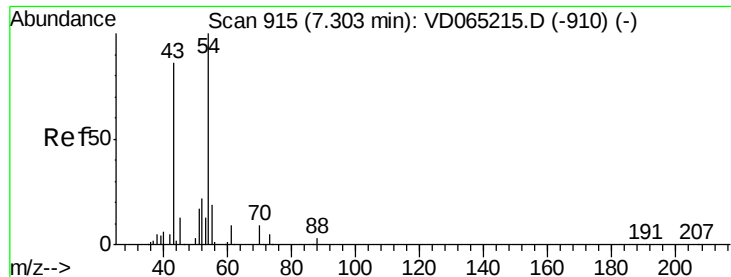


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

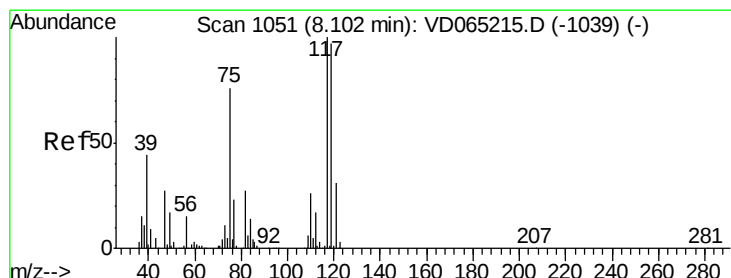
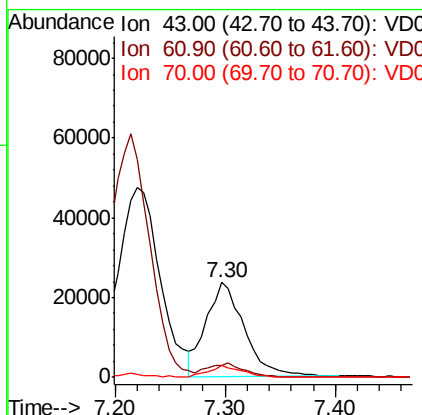
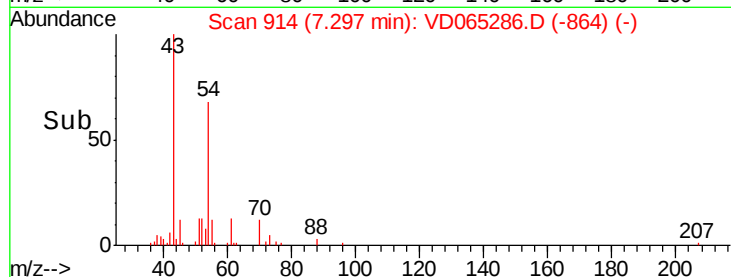
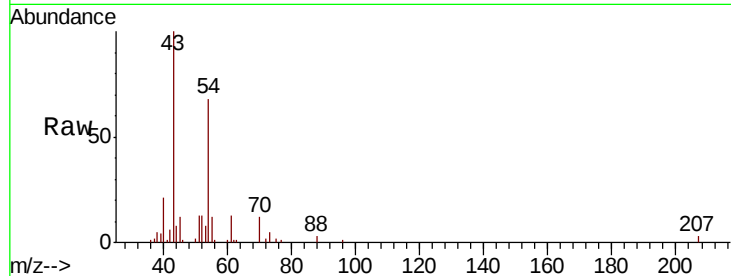




#37
Ethyl Acetate
Concen: 18.426 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

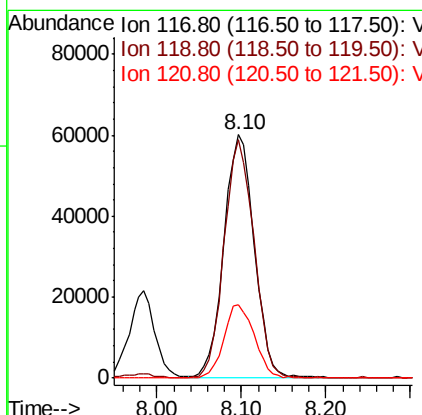
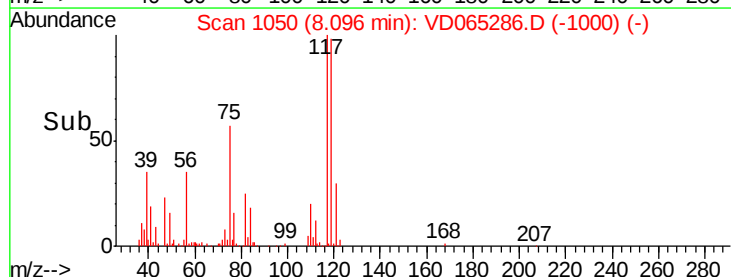
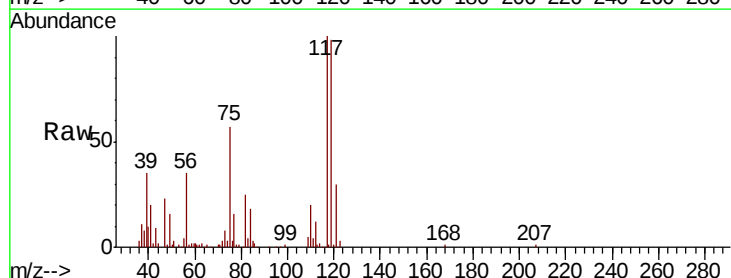
Instrument :
MSVOA_D
ClientSampled :

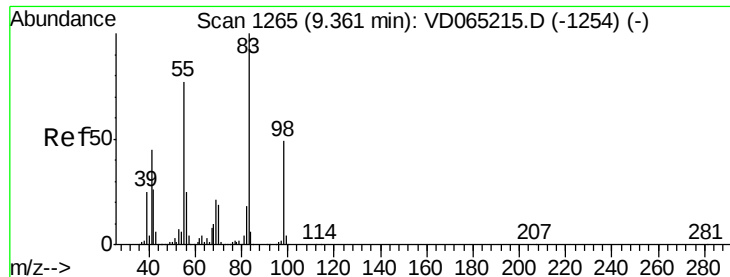
Tot Ion: 43 Resp: 56246
Ion Ratio Lower Upper
43 100
61 15.2 11.2 16.8
70 11.2 8.2 12.2



#38
Carbon Tetrachloride
Concen: 20.129 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion: 117 Resp: 149622
Ion Ratio Lower Upper
117 100
119 97.7 77.6 116.4
121 30.2 24.8 37.2

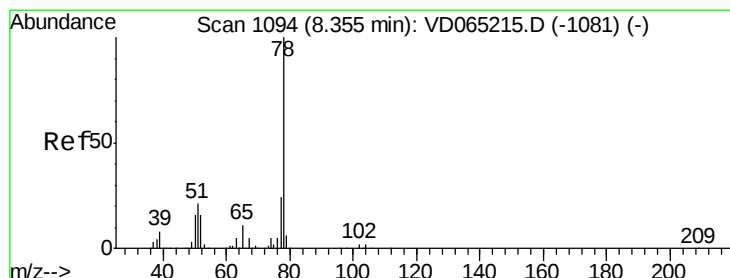
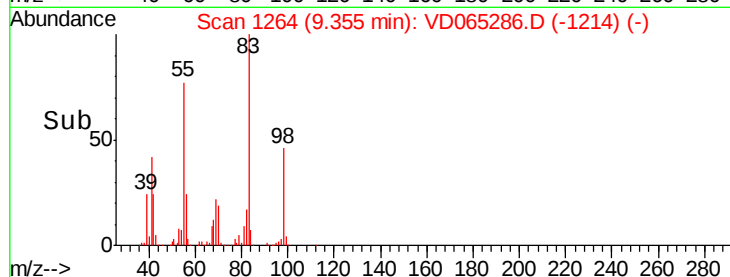
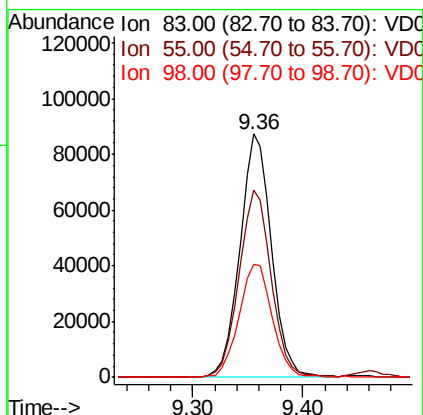
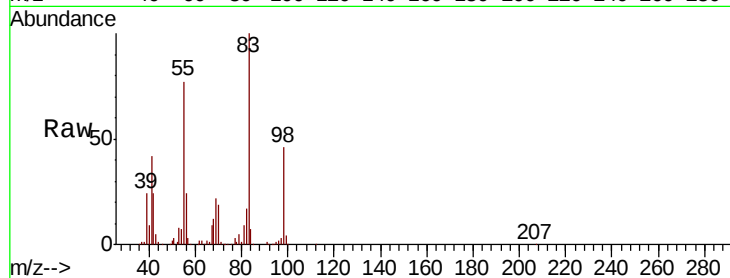




#39
Methvlcvclohexane
Concen: 20.459 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

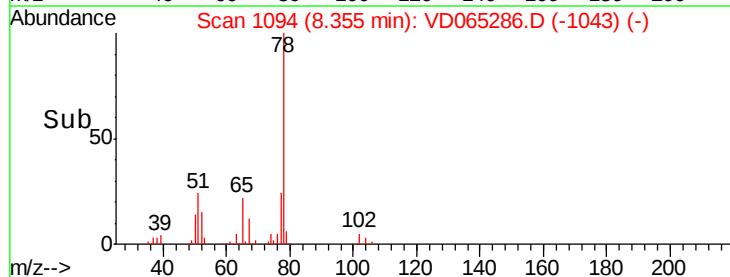
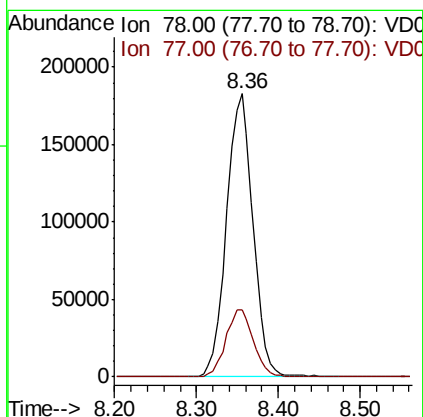
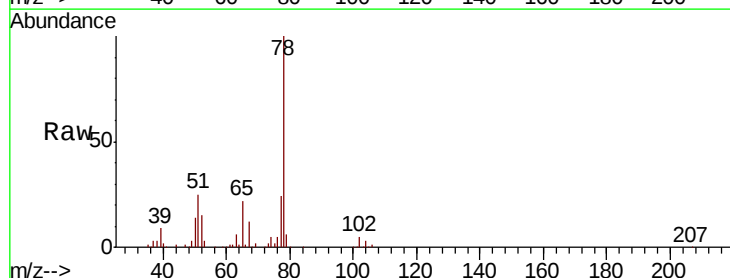
Instrument :
MSVOA_D
ClientSampled :

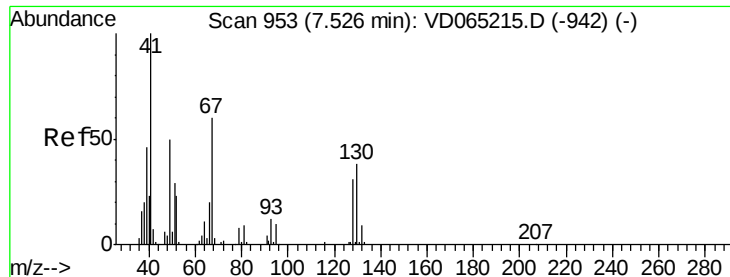
Tot Ion: 83 Resp: 175625
Ion Ratio Lower Upper
83 100
55 76.8 61.8 92.6
98 46.2 39.4 59.0



#40
Benzene
Concen: 19.970 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion: 78 Resp: 411590
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6

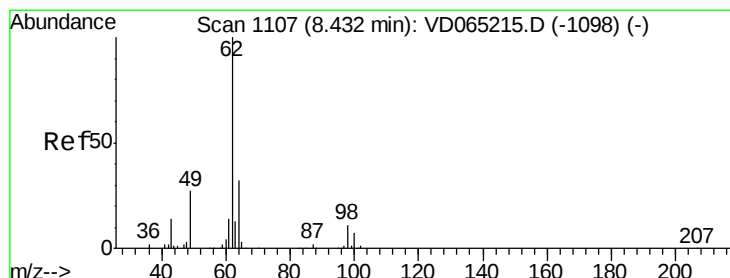
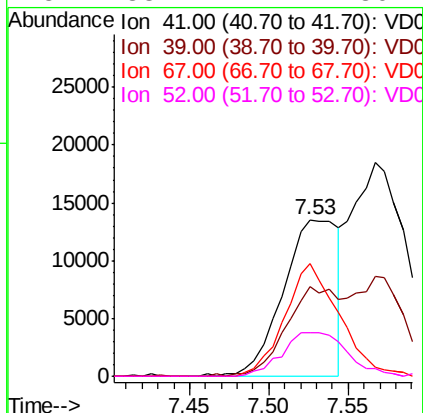
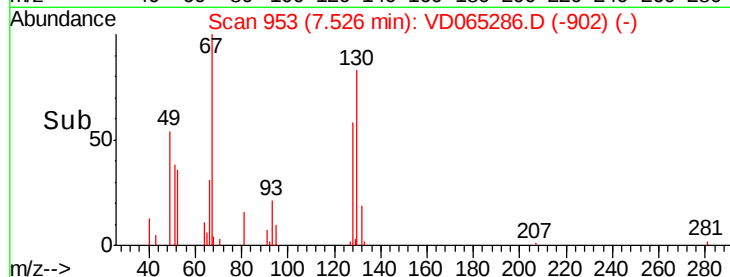
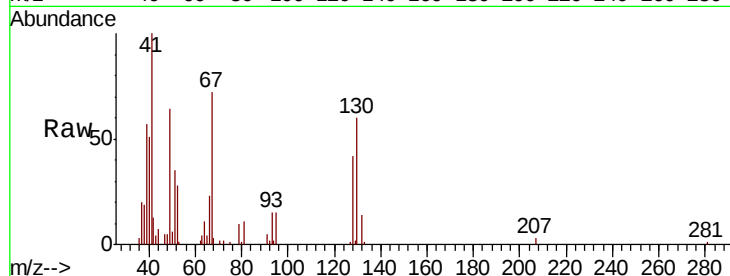




#41
Methacrylonitrile
Concen: 18.532 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

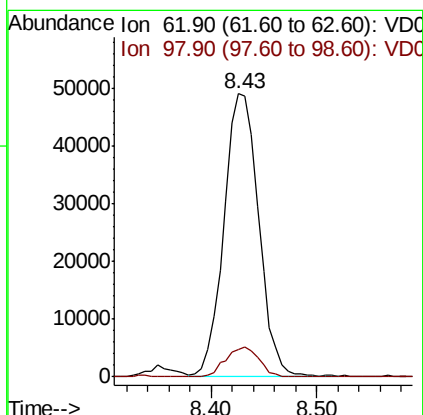
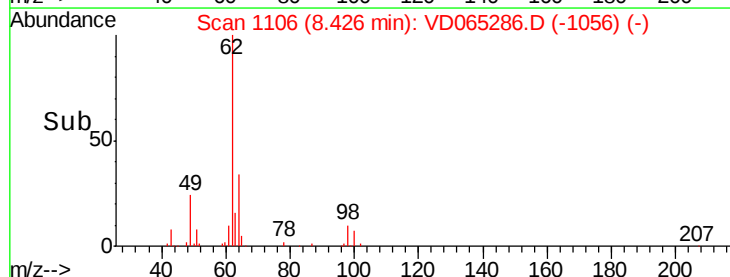
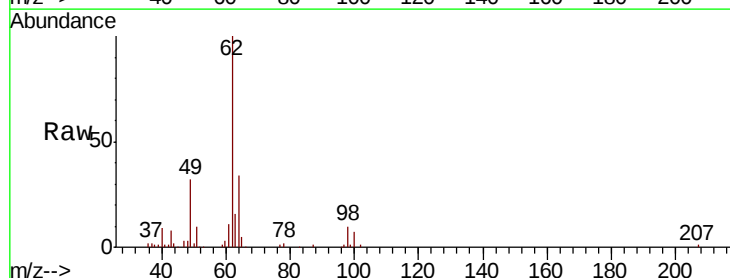
Instrument :
MSVOA_D
ClientSampleId :

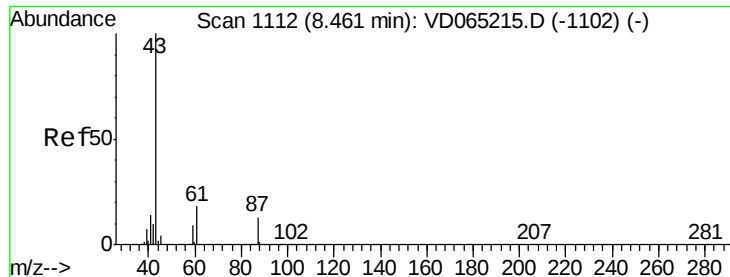
Tot Ion:	41	Resp:	32662
Ion	Ratio	Lower	Upper
41	100		
39	52.9	48.1	72.1
67	71.0	58.9	88.3
52	33.2	24.2	36.2



#42
1,2-Dichloroethane
Concen: 19.734 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion:	62	Resp:	111811
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.6





#43

Isopropyl Acetate

Concen: 19.219 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

ClientSampleId :

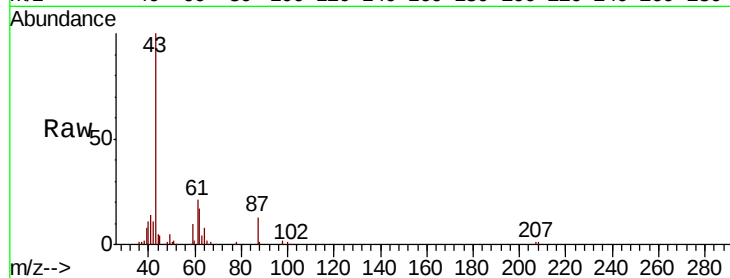
Tot Ion: 43 Resp: 106681

Ion Ratio Lower Upper

43 100

61 32.1 24.6 36.8

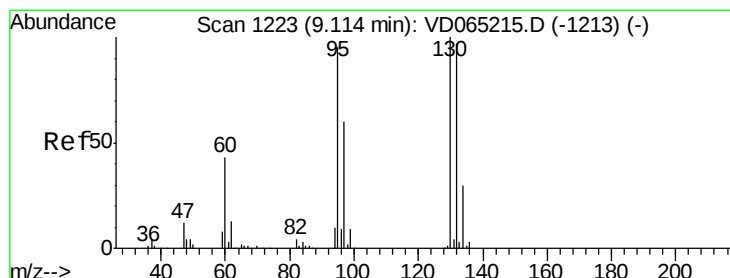
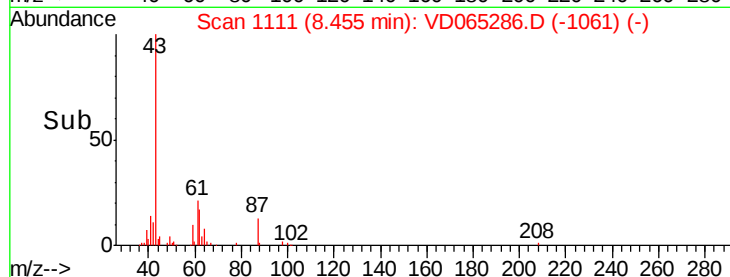
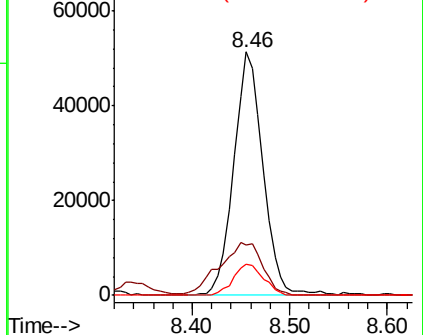
87 13.1 10.6 16.0



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: 20.353 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065286.D

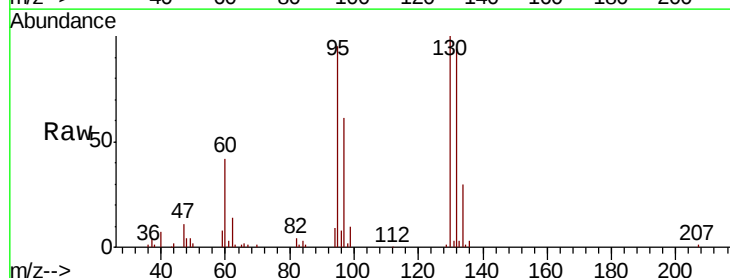
Acq: 24 Feb 2020 11:13

Tgt Ion:130 Resp: 116277

Ion Ratio Lower Upper

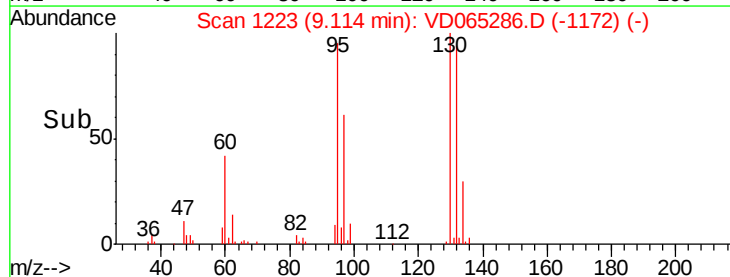
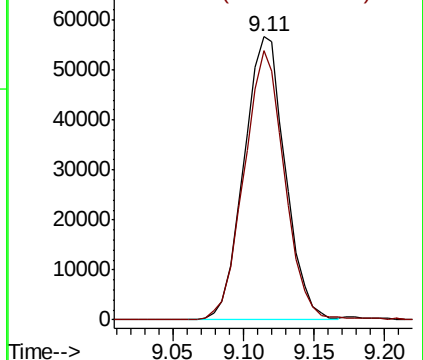
130 100

95 95.3 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.071 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

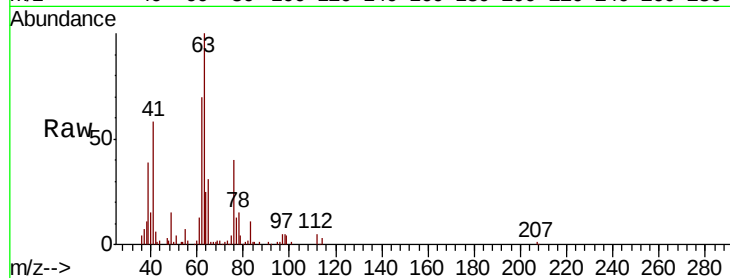
ClientSampled :

Tot Ion: 63 Resp: 102859

Ion Ratio Lower Upper

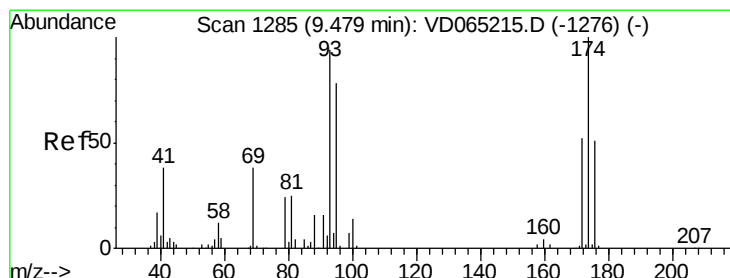
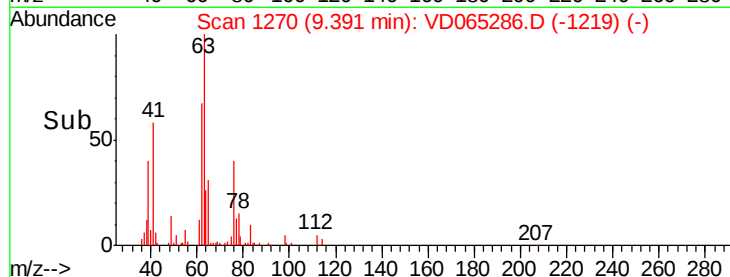
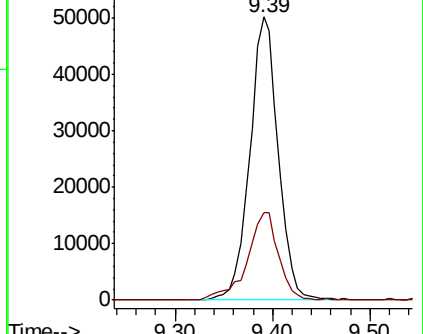
63 100

65 30.9 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 19.859 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

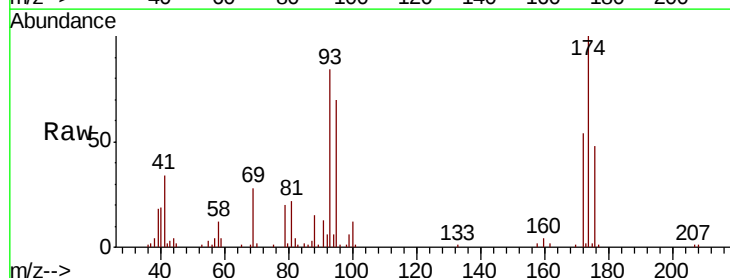
Tgt Ion: 93 Resp: 52366

Ion Ratio Lower Upper

93 100

95 84.7 65.8 98.6

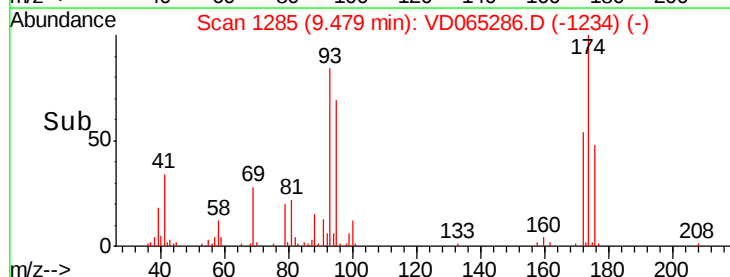
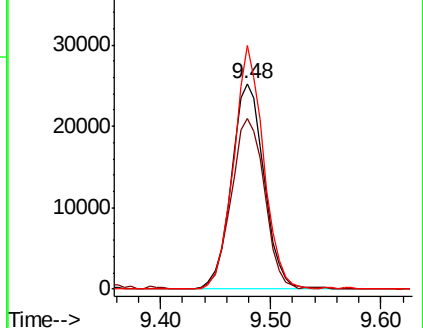
174 108.5 86.8 130.2

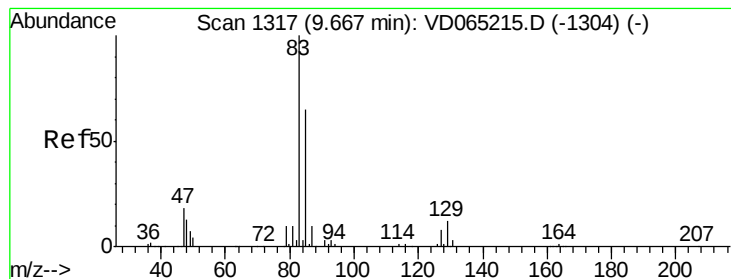


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 19.795 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

ClientSampleId :

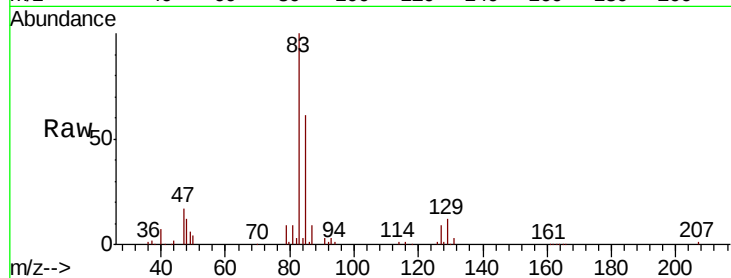
Tot Ion: 83 Resp: 137553

Ion Ratio Lower Upper

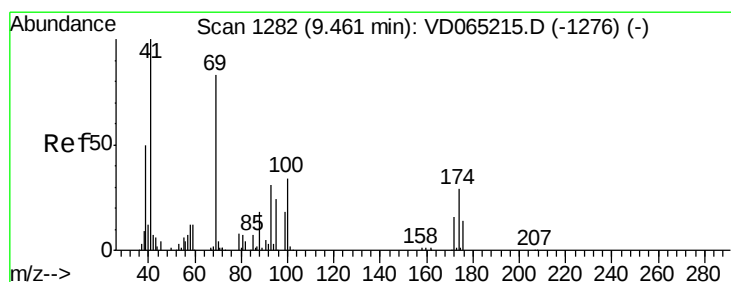
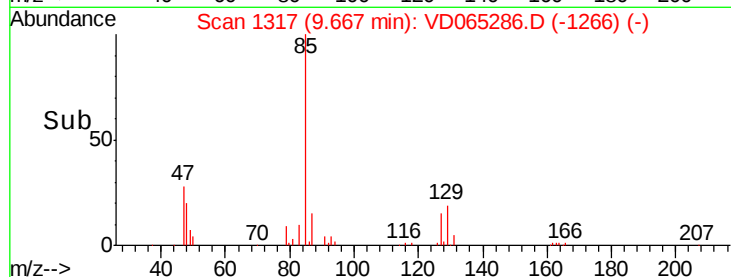
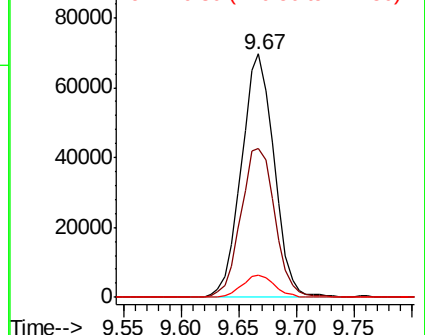
83 100

85 61.0 52.0 78.0

127 8.9 6.7 10.1



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: 19.247 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

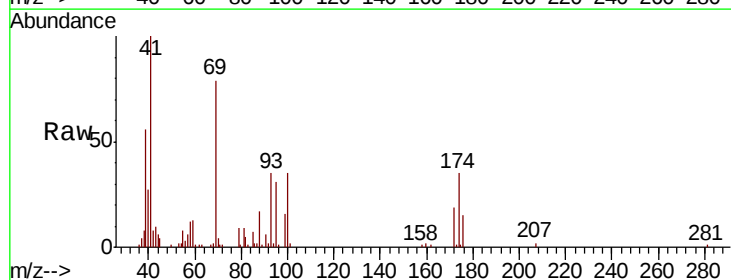
Tgt Ion: 41 Resp: 49383

Ion Ratio Lower Upper

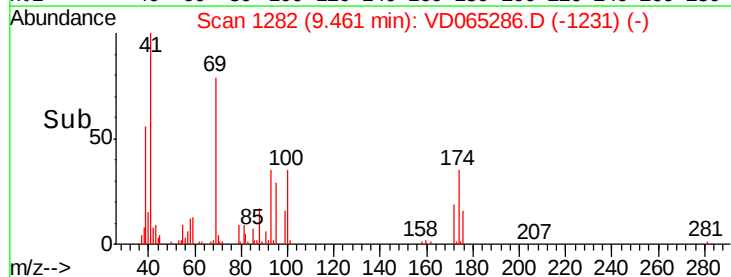
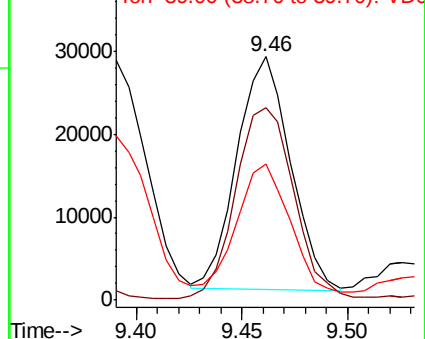
41 100

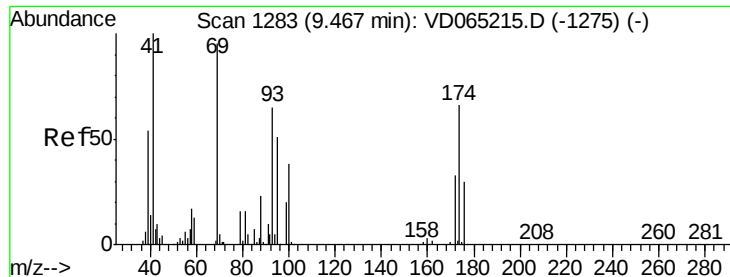
69 91.3 68.2 102.2

39 54.2 42.0 63.0



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

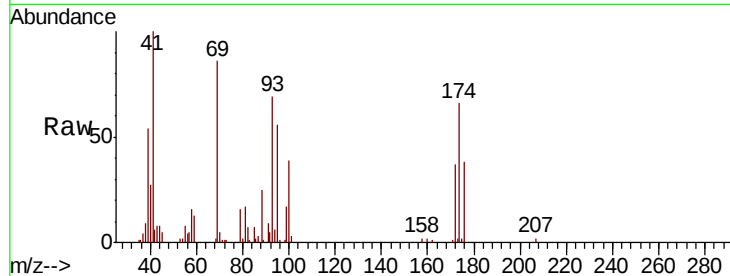




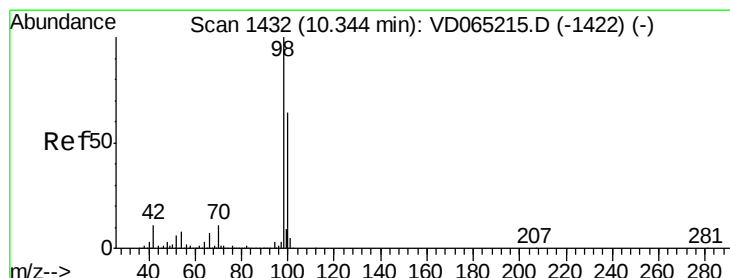
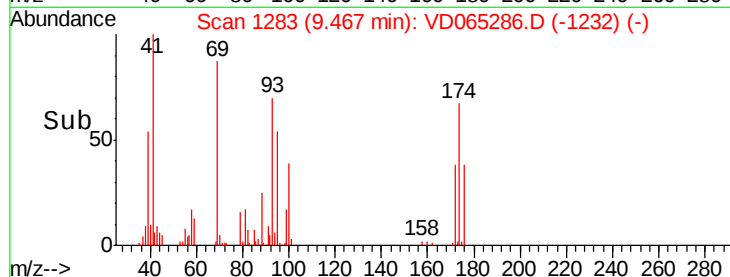
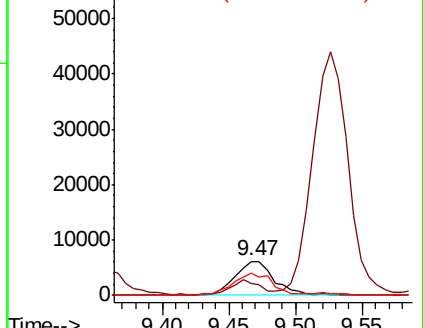
#49
1,4-Dioxane
Concen: 406.518 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 12572
Ion Ratio Lower Upper
88 100
43 36.7 28.5 42.7
58 65.5 58.6 87.8

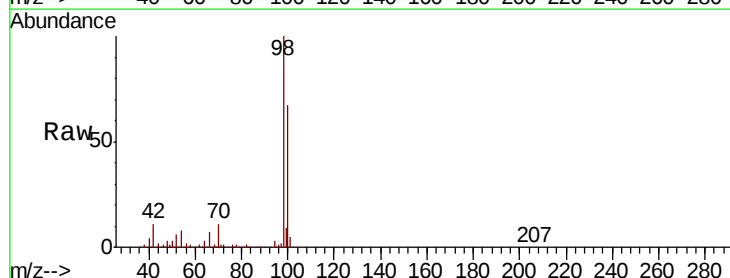


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

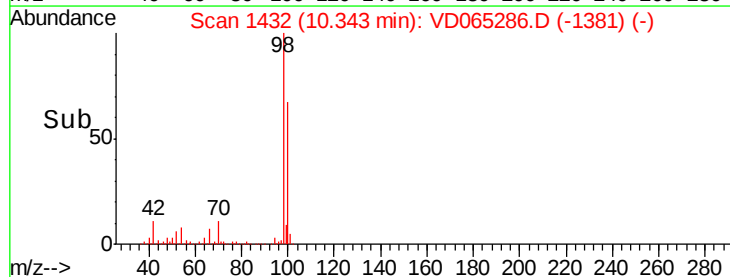
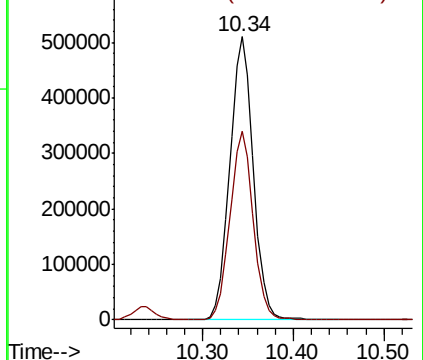


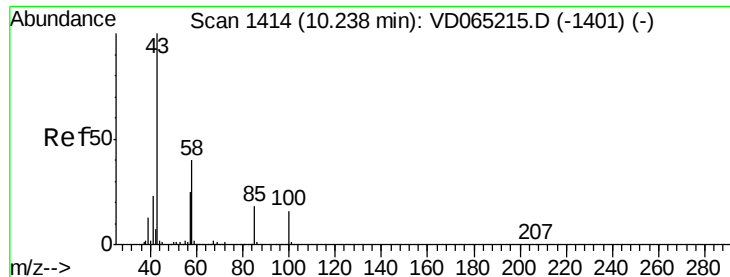
#50
Toluene-d8
Concen: 52.630 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion: 98 Resp: 920636
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0



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

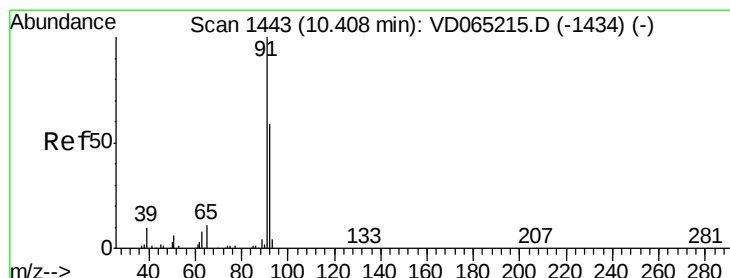
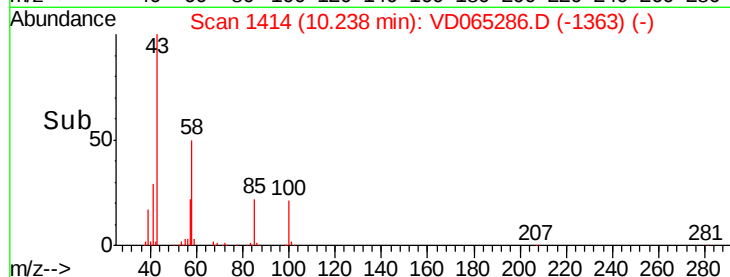
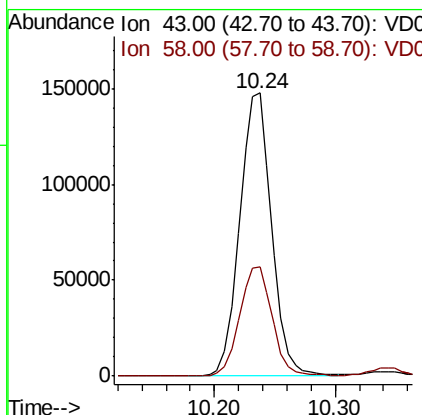
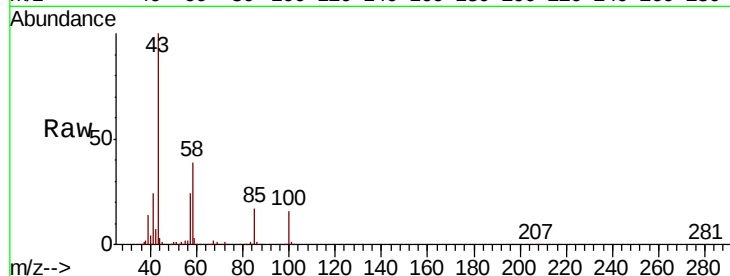




#51
4-Methyl-2-Pentanone
Concen: 96.500 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

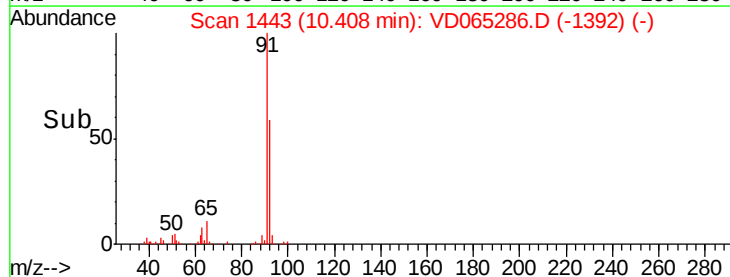
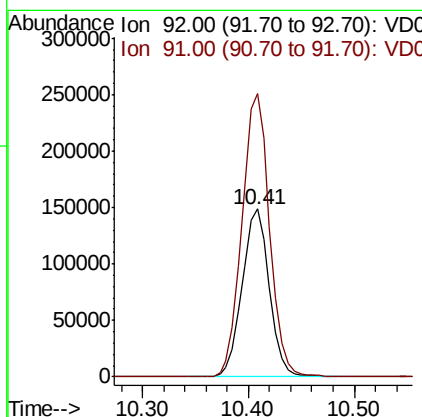
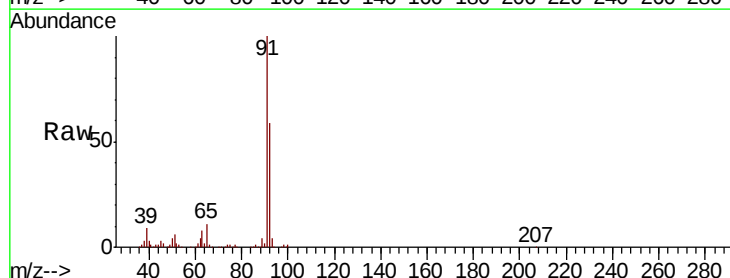
Instrument :
MSVOA_D
ClientSampleID :

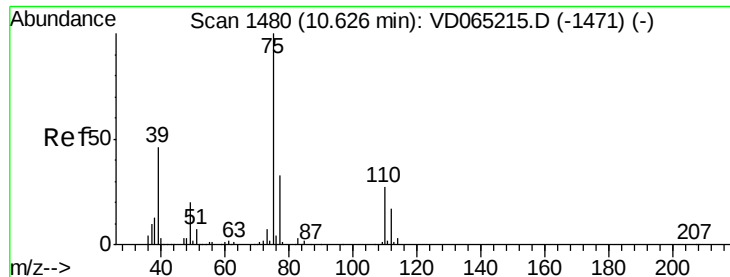
Tot Ion: 43 Resp: 272066
Ion Ratio Lower Upper
43 100
58 39.6 31.1 46.7



#52
Toluene
Concen: 20.760 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion: 92 Resp: 264844
Ion Ratio Lower Upper
92 100
91 171.9 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 19.977 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

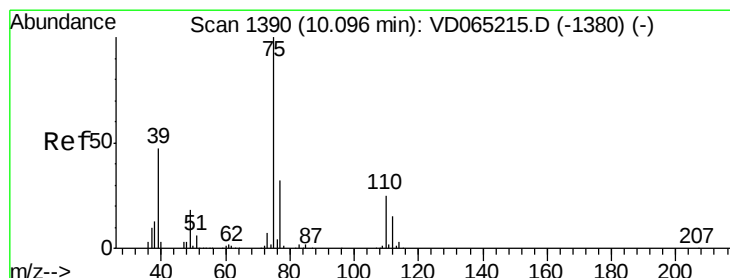
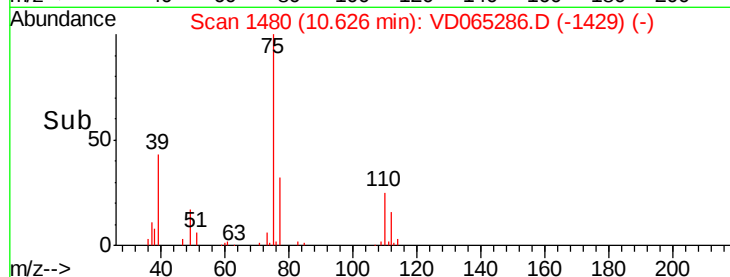
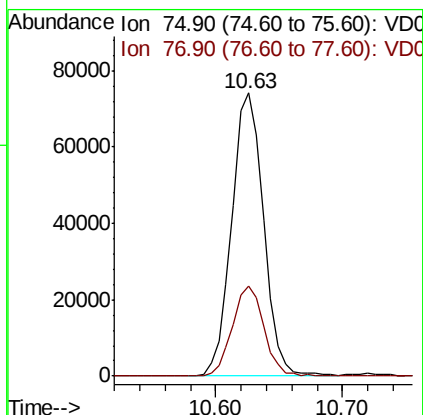
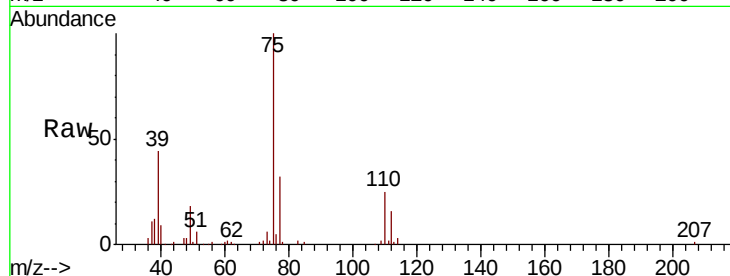
ClientSampleId :

Tot Ion: 75 Resp: 128672

Ion Ratio Lower Upper

75 100

77 32.0 26.6 40.0



#54

cis-1,3-Dichloropropene

Concen: 20.079 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

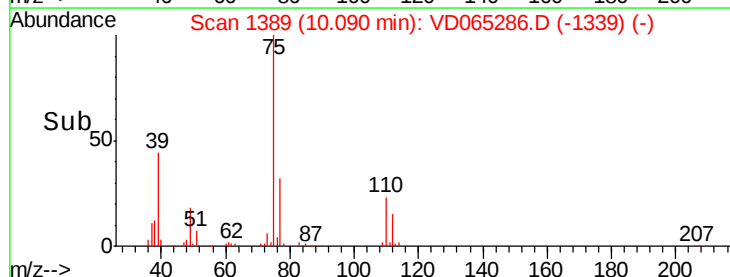
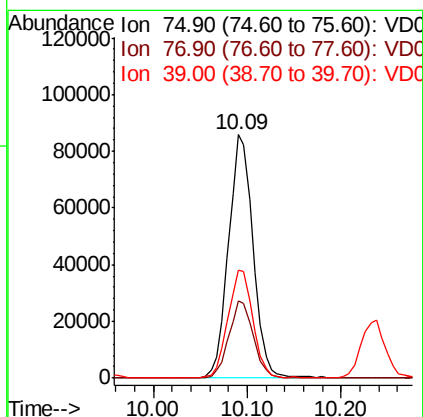
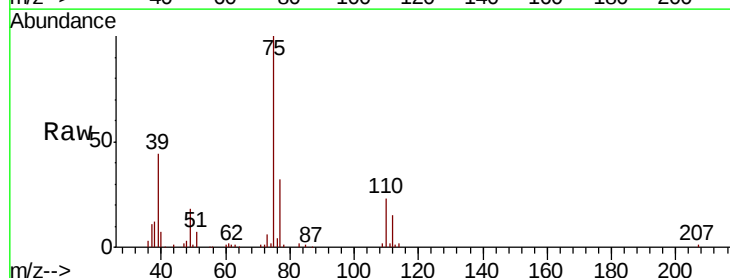
Tgt Ion: 75 Resp: 156174

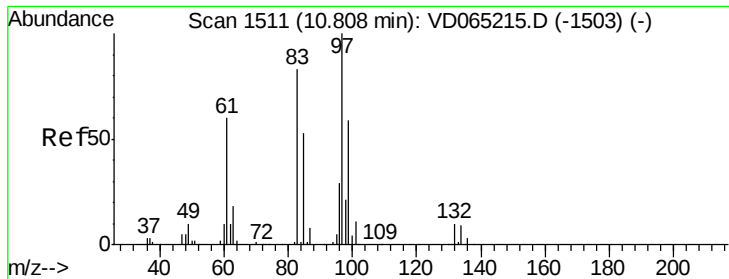
Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.8

39 44.0 37.3 55.9

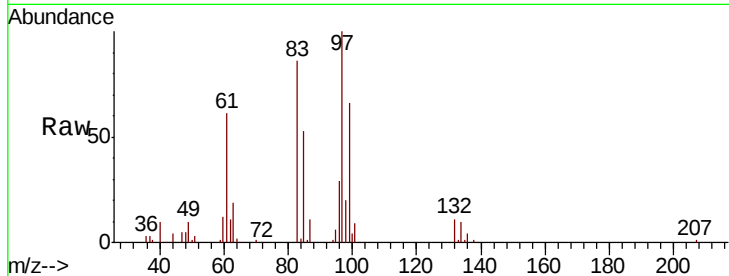




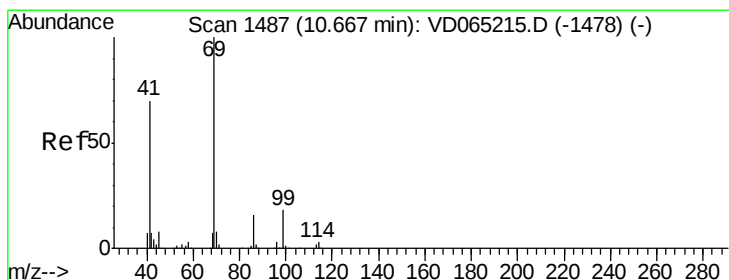
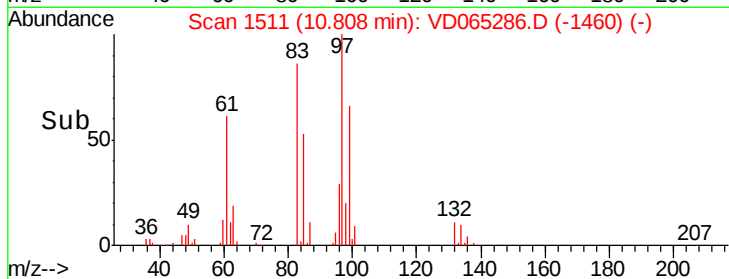
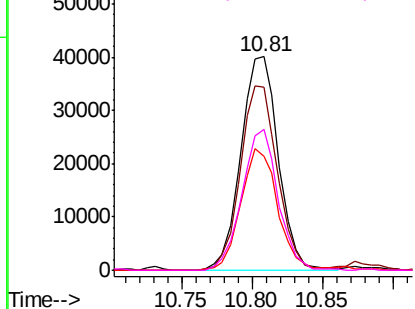
#55
 1,1,2-Trichloroethane
 Concen: 20.127 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 74699
 Ion Ratio Lower Upper
 97 100
 83 85.8 66.7 100.1
 85 53.3 42.4 63.6
 99 65.9 47.5 71.3

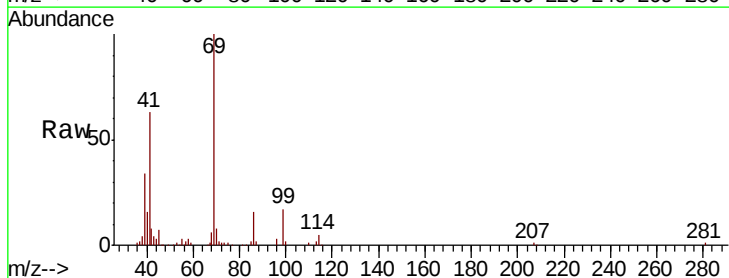


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

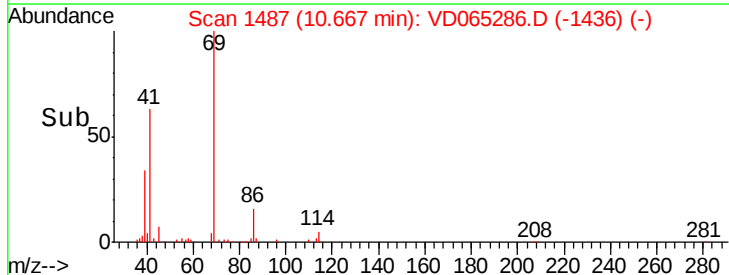
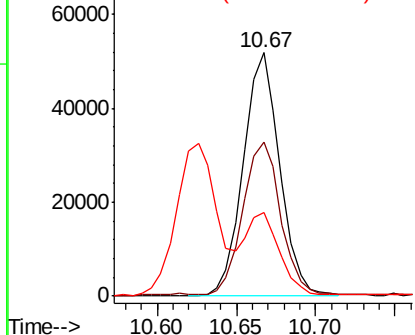


#56
 Ethyl methacrylate
 Concen: 19.362 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Tgt Ion: 69 Resp: 82940
 Ion Ratio Lower Upper
 69 100
 41 65.4 54.6 81.8
 39 30.9 26.5 39.7



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 19.767 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

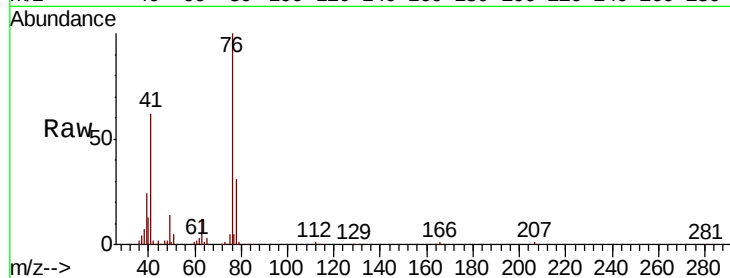
ClientSampleId :

Tot Ion: 76 Resp: 124863

Ion Ratio Lower Upper

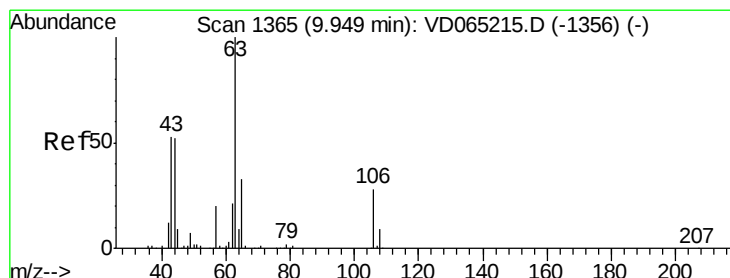
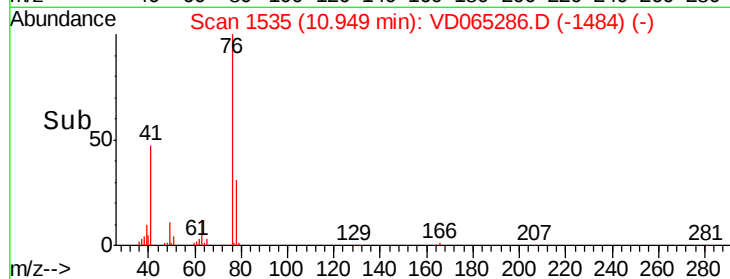
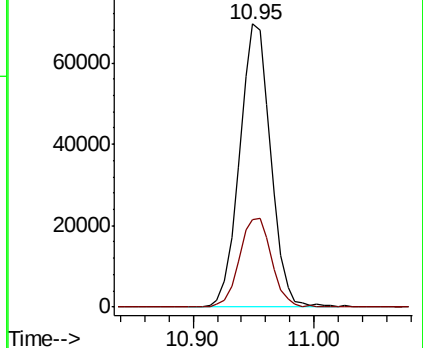
76 100

78 32.6 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 96.397 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD065286.D

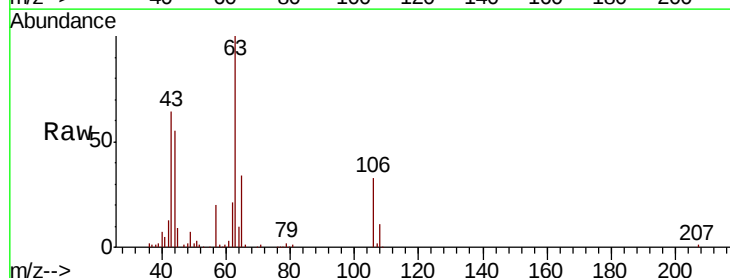
Acq: 24 Feb 2020 11:13

Tgt Ion: 63 Resp: 130187

Ion Ratio Lower Upper

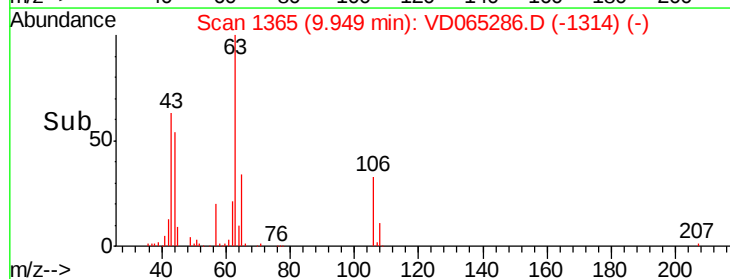
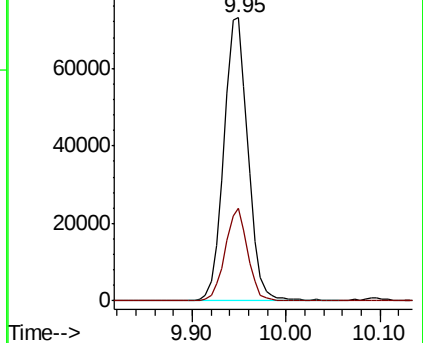
63 100

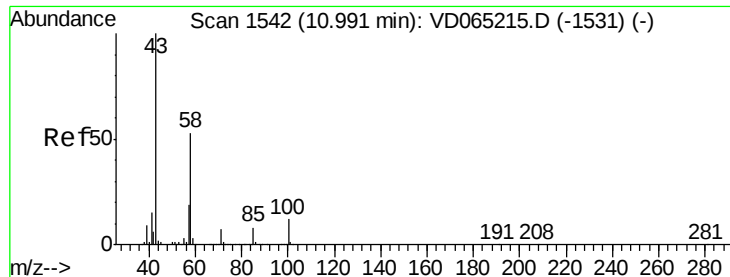
106 30.4 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

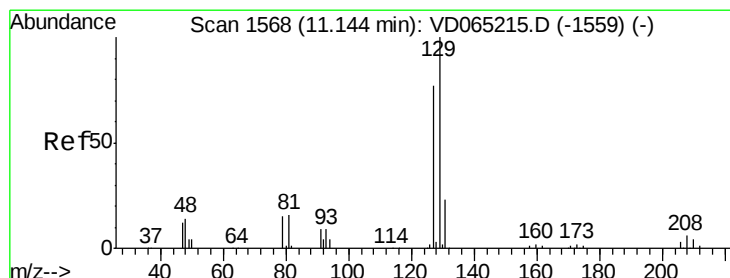
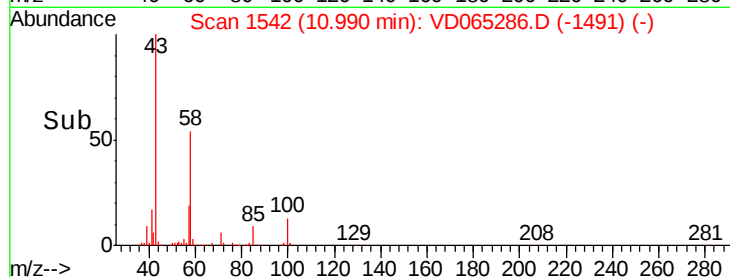
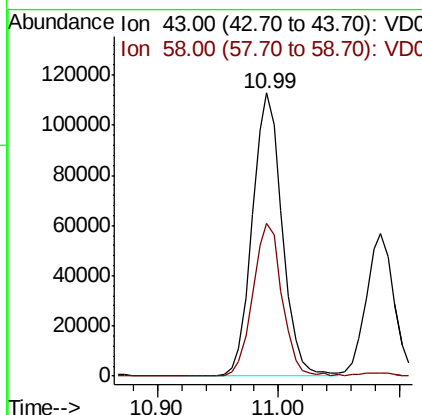
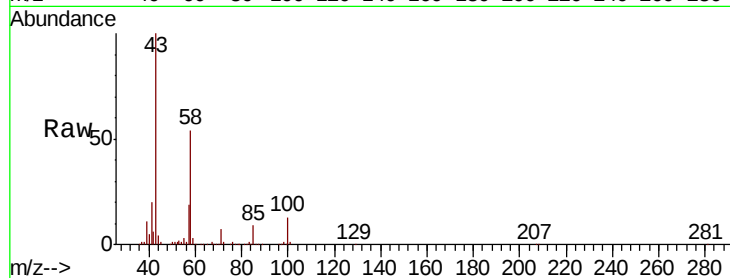




#59
2-Hexanone
Concen: 95.947 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

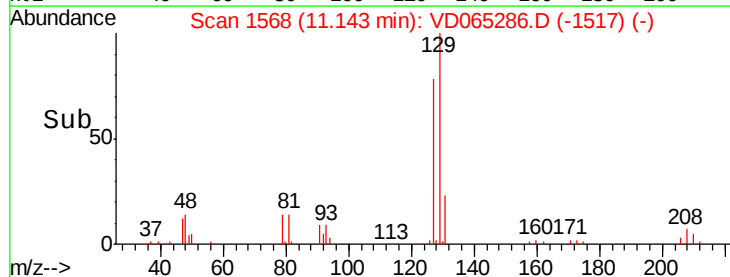
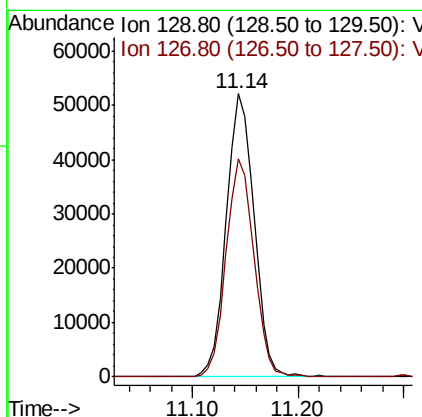
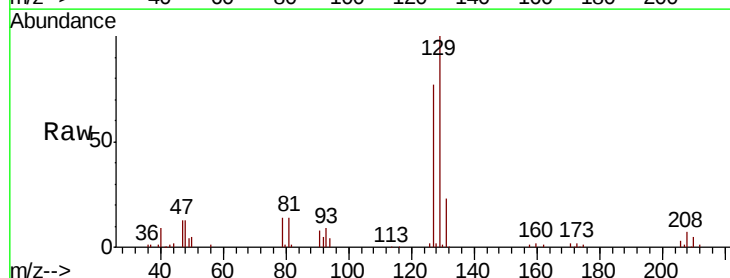
Instrument :
MSVOA_D
ClientSampleId :

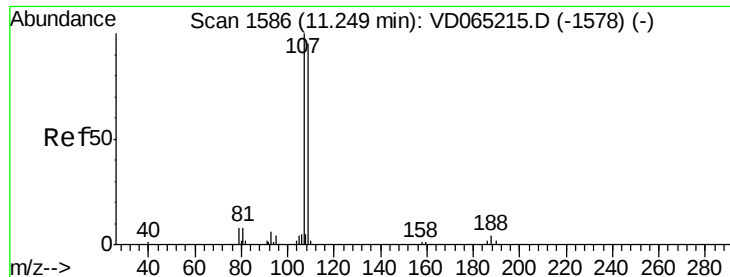
Tot Ion: 43 Resp: 193641
Ion Ratio Lower Upper
43 100
58 53.1 26.3 78.8



#60
Dibromochloromethane
Concen: 20.004 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion:129 Resp: 95022
Ion Ratio Lower Upper
129 100
127 77.1 38.7 116.1

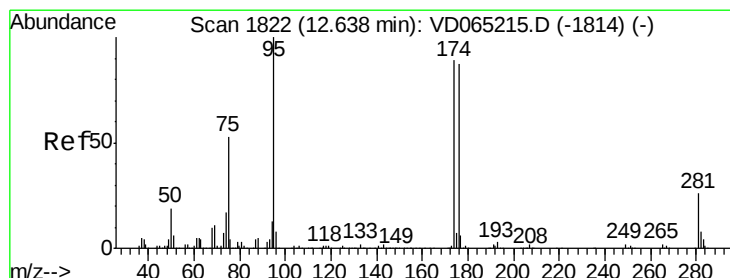
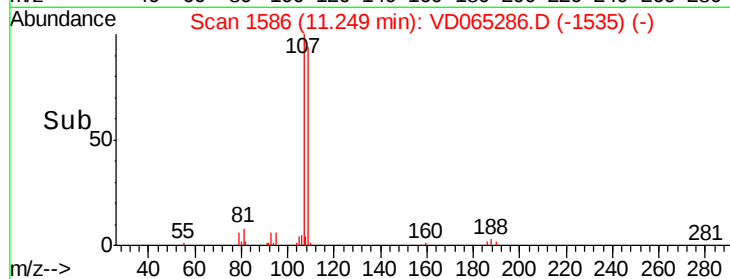
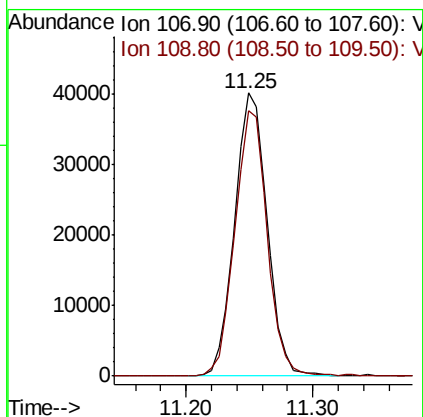
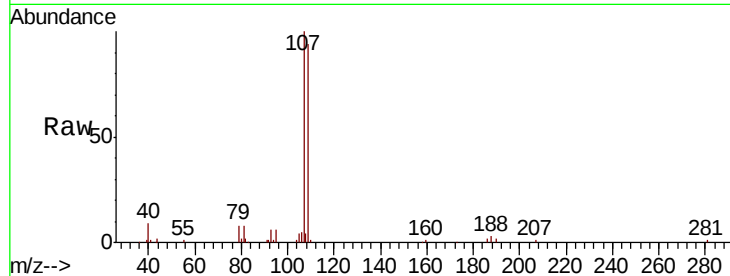




#61
 1,2-Dibromoethane
 Concen: 20.298 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

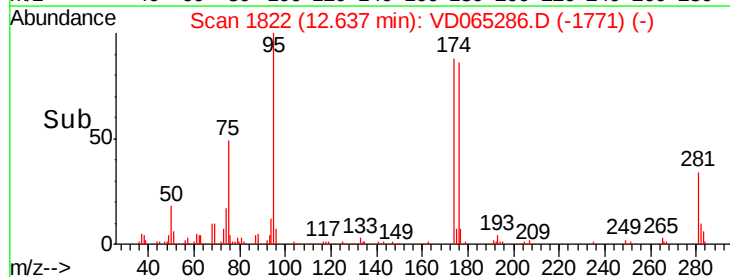
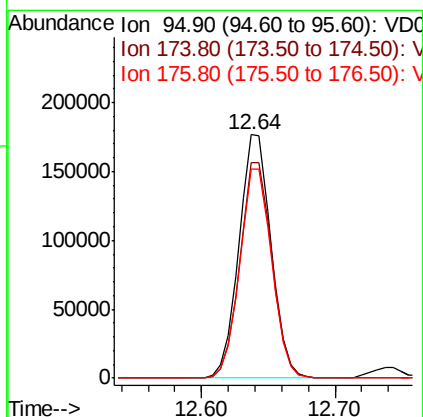
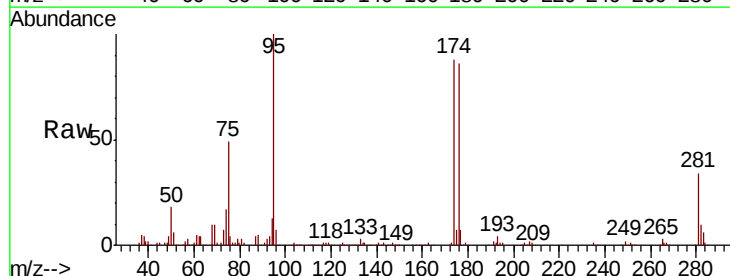
Instrument :
 MSVOA_D
 ClientSampleId :

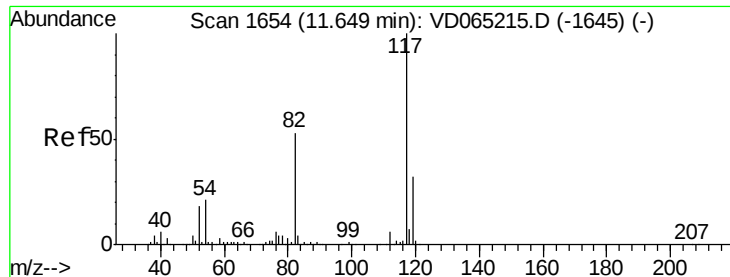
Tot Ion: 107 Resp: 71325
 Ion Ratio Lower Upper
 107 100
 109 93.1 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 52.820 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Tgt Ion: 95 Resp: 292701
 Ion Ratio Lower Upper
 95 100
 174 89.0 0.0 178.0
 176 86.1 0.0 174.4

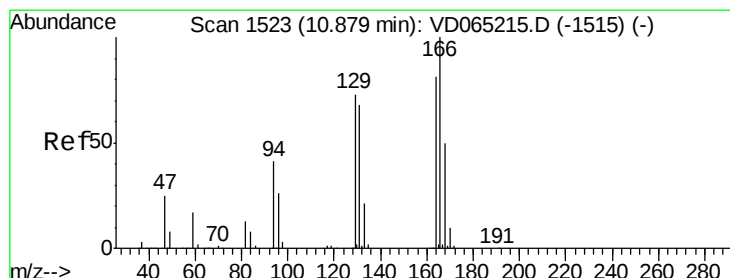
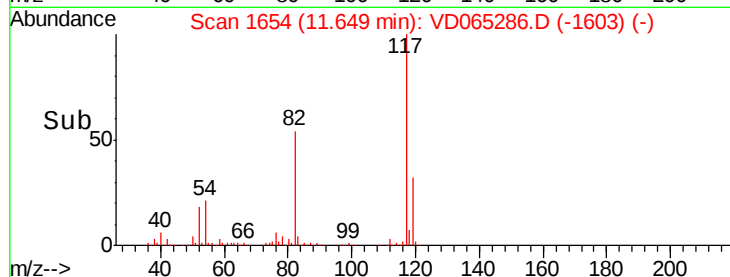
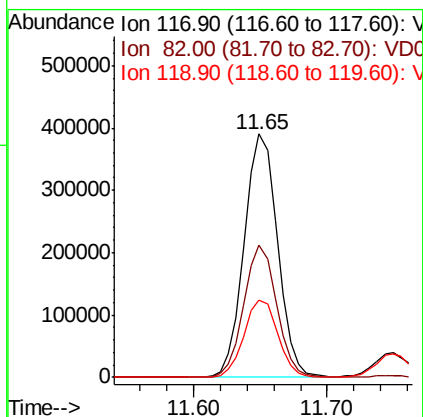
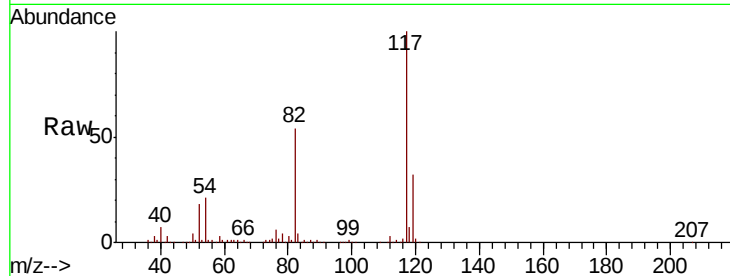




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

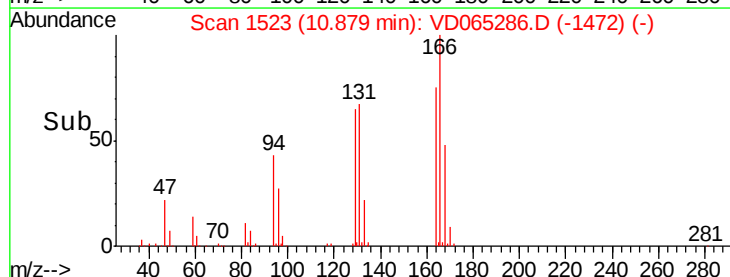
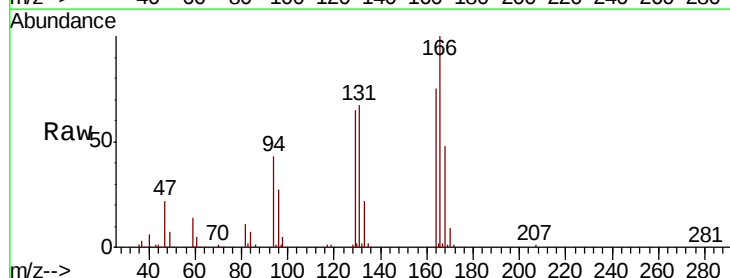
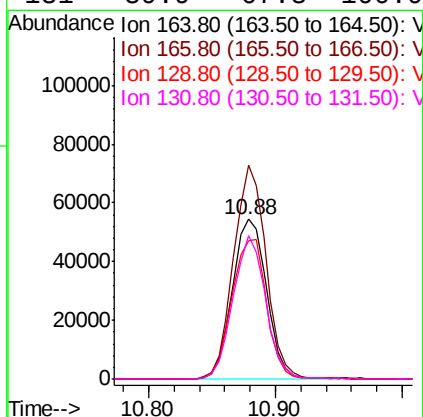
Instrument :
MSVOA_D
ClientSampled :

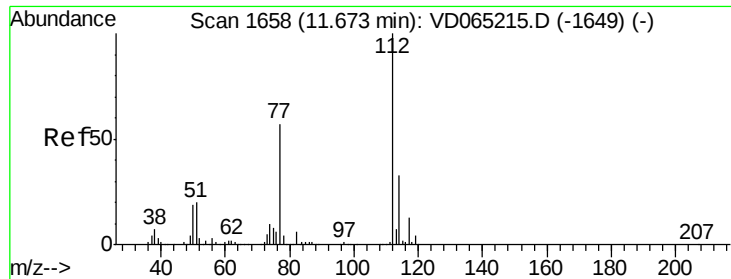
Tot Ion:117 Resp: 674800
Ion Ratio Lower Upper
117 100
82 54.4 42.7 64.1
119 31.8 25.5 38.3



#64
Tetrachloroethene
Concen: 21.306 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion:164 Resp: 101968
Ion Ratio Lower Upper
164 100
166 133.6 98.4 147.6
129 86.8 71.6 107.4
131 89.9 67.3 100.9

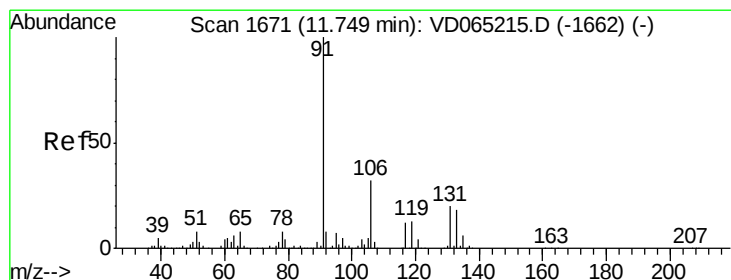
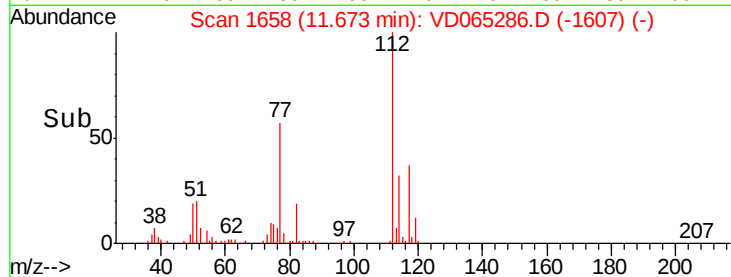
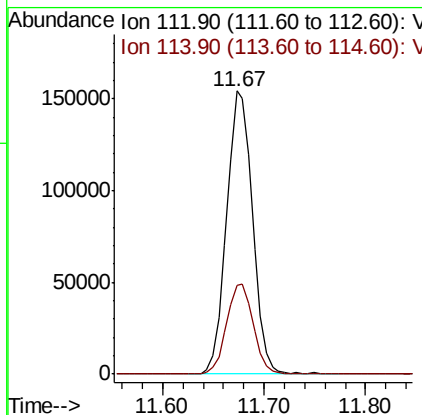
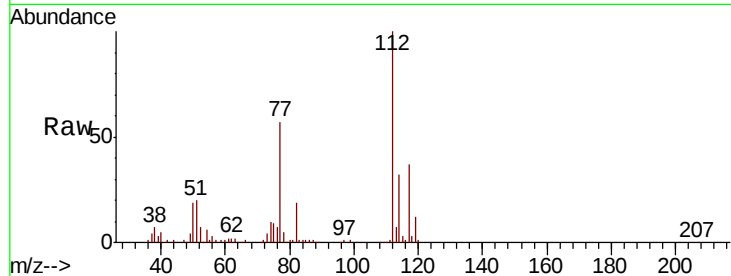




#65
Chlorobenzene
Concen: 20.244 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

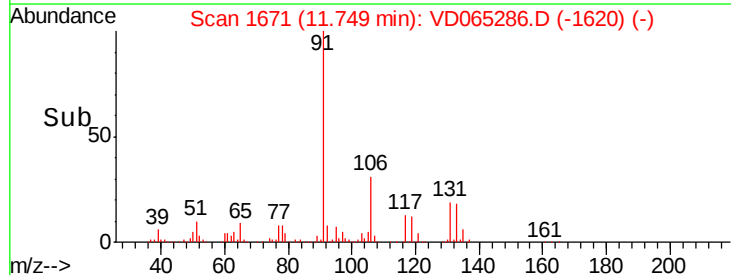
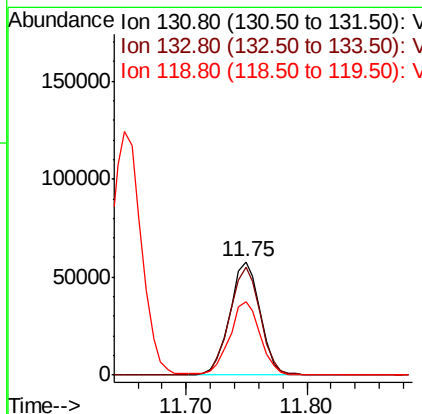
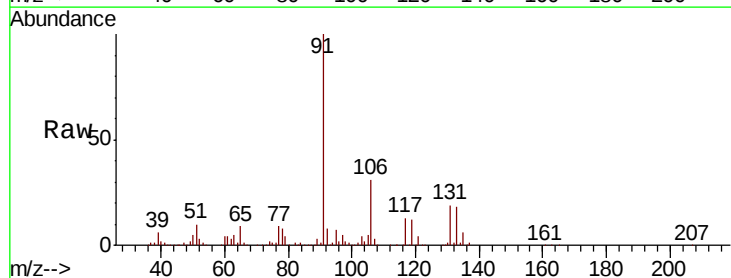
Instrument :
MSVOA_D
ClientSampleId :

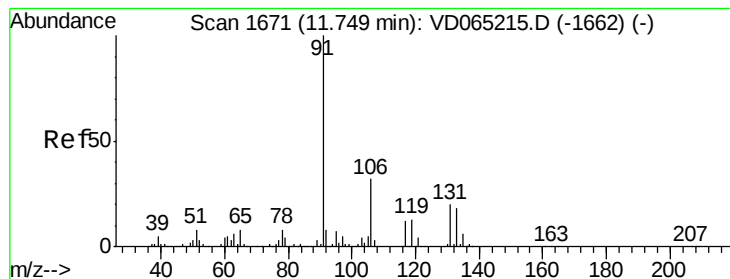
Tot Ion:112 Resp: 274133
Ion Ratio Lower Upper
112 100
114 31.5 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.131 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion:131 Resp: 101727
Ion Ratio Lower Upper
131 100
133 95.6 47.7 143.1
119 65.2 32.7 98.1





#67

Ethyl Benzene

Concen: 20.370 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

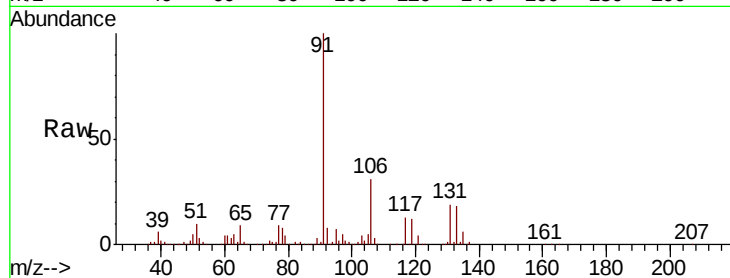
ClientSampled :

Tot Ion: 91 Resp: 483115

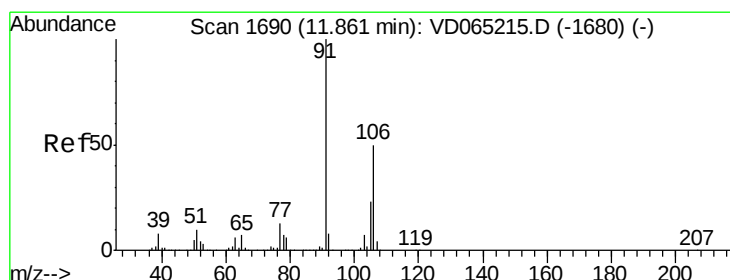
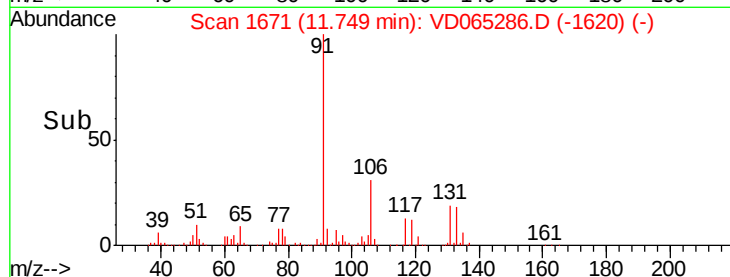
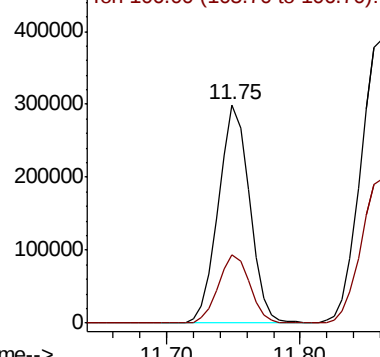
Ion Ratio Lower Upper

91 100

106 31.3 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 41.512 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065286.D

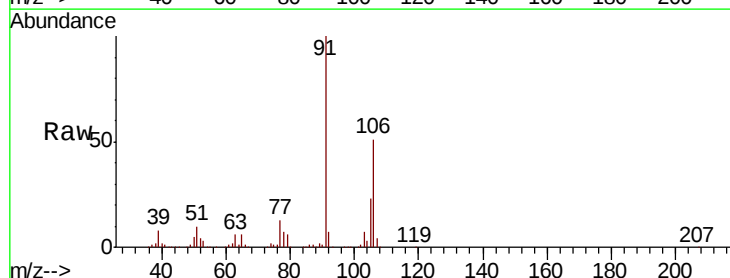
Acq: 24 Feb 2020 11:13

Tgt Ion: 106 Resp: 376668

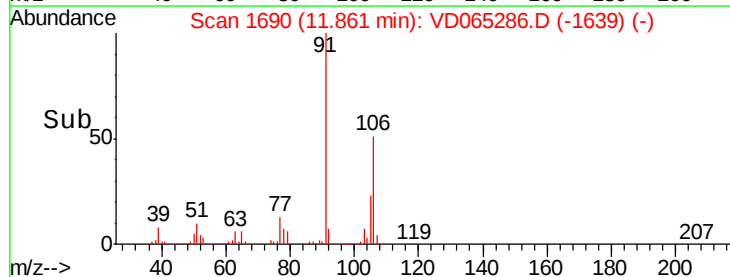
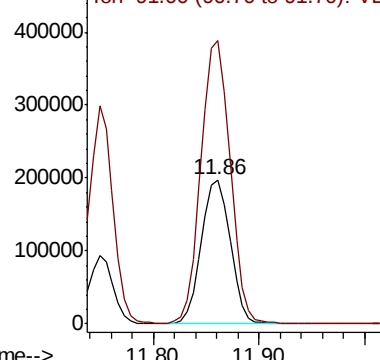
Ion Ratio Lower Upper

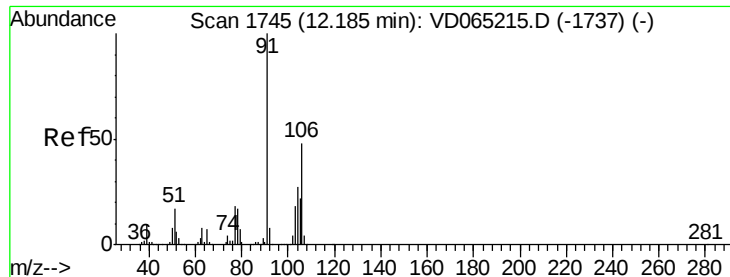
106 100

91 198.4 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): V

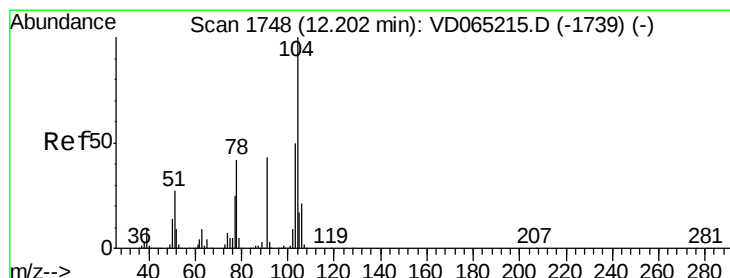
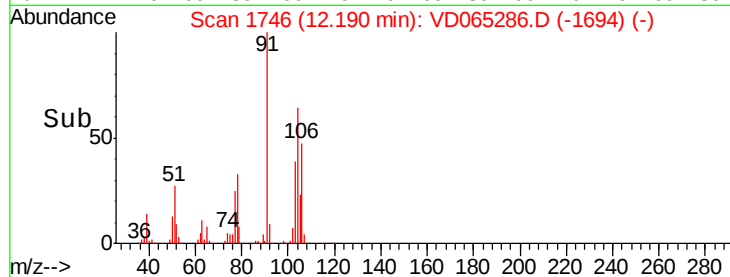
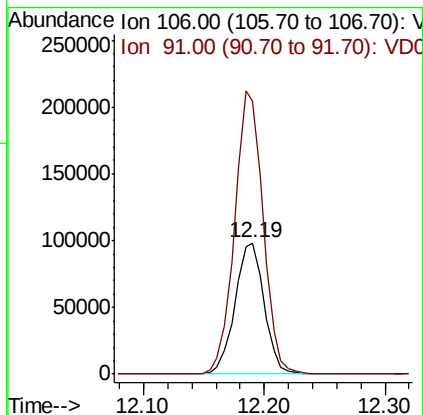
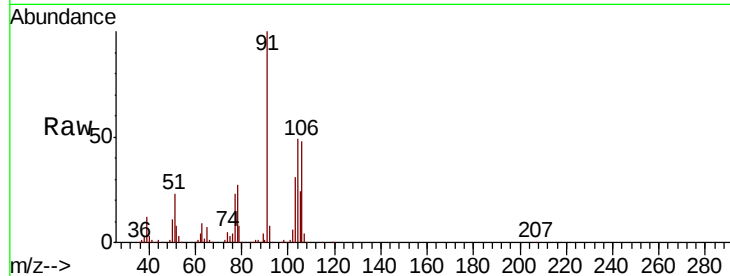




#69
o-Xylene
Concen: 20.525 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

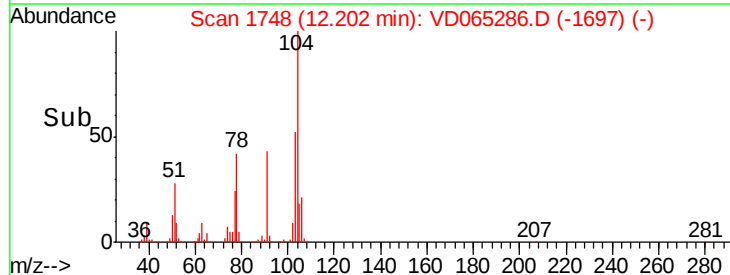
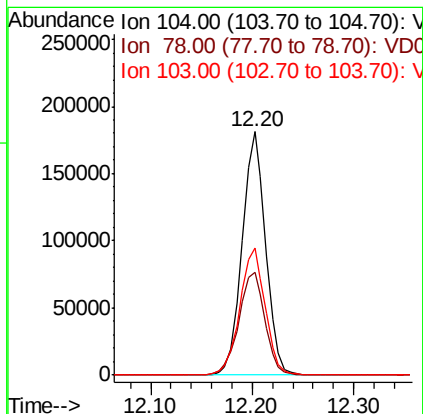
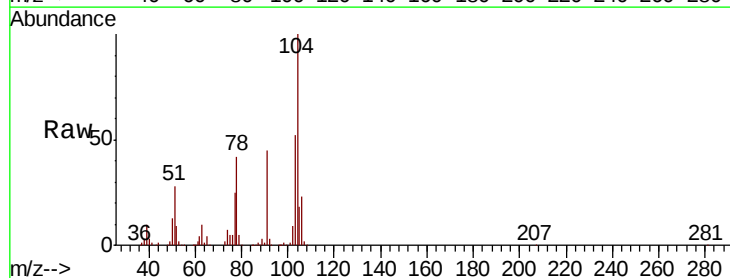
Instrument :
MSVOA_D
ClientSampled :

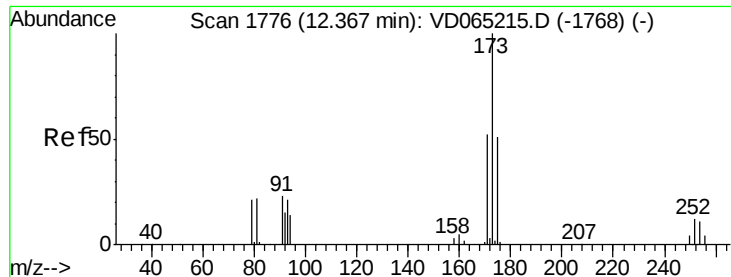
Tot Ion:106 Resp: 164997
Ion Ratio Lower Upper
106 100
91 211.1 104.7 313.9



#70
Styrene
Concen: 20.351 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion:104 Resp: 290458
Ion Ratio Lower Upper
104 100
78 47.3 37.8 56.6
103 56.2 43.4 65.2





#71

Bromoform

Concen: 20.487 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

ClientSampleId :

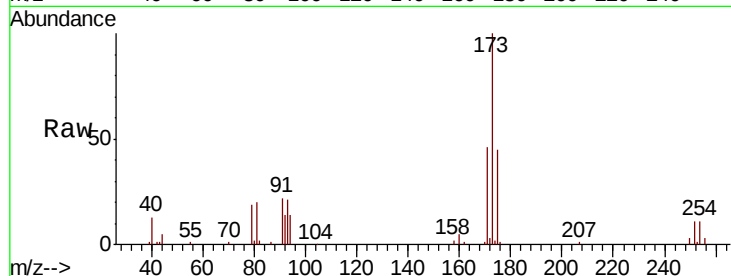
Tot Ion:173 Resp: 57447

Ion Ratio Lower Upper

173 100

175 46.9 24.4 73.4

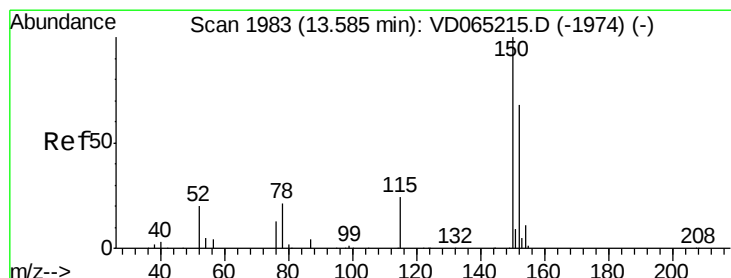
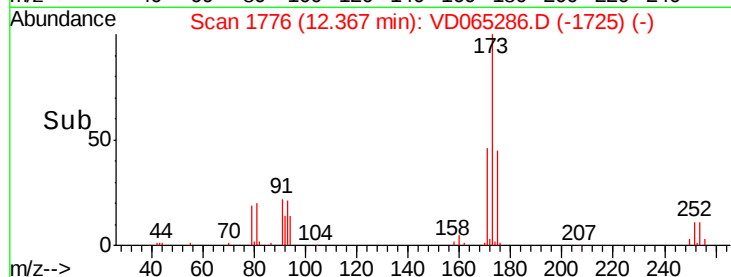
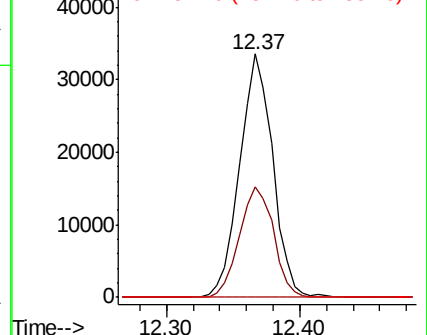
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

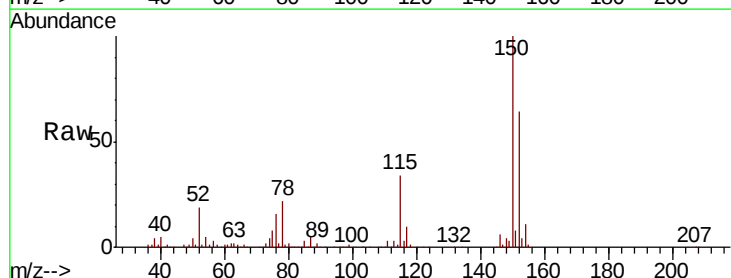
Tgt Ion:152 Resp: 331913

Ion Ratio Lower Upper

152 100

115 55.0 27.6 82.8

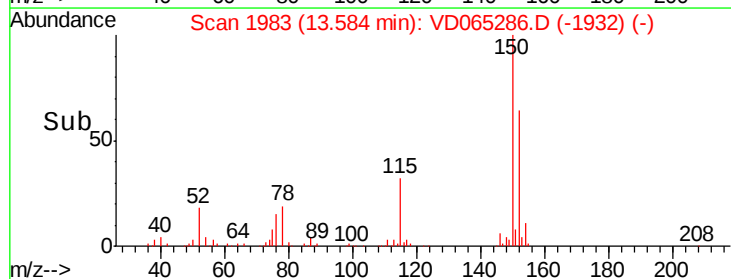
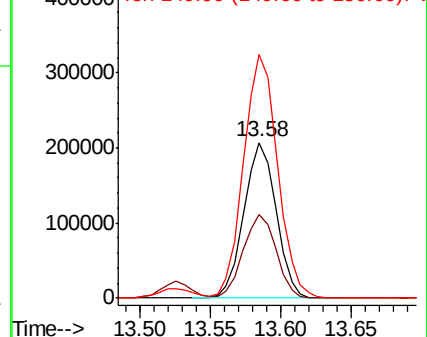
150 165.4 0.0 347.4

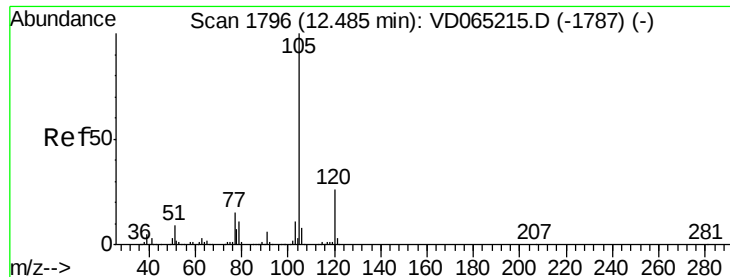


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.913 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

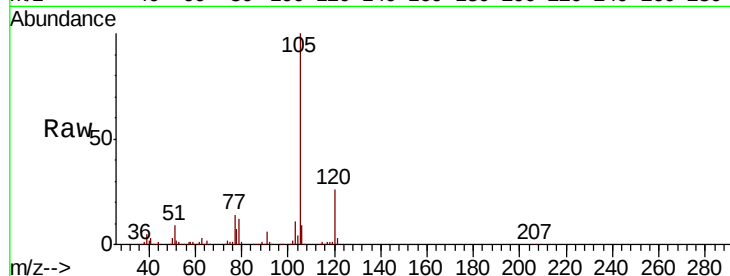
ClientSampleId :

Tot Ion:105 Resp: 459538

Ion Ratio Lower Upper

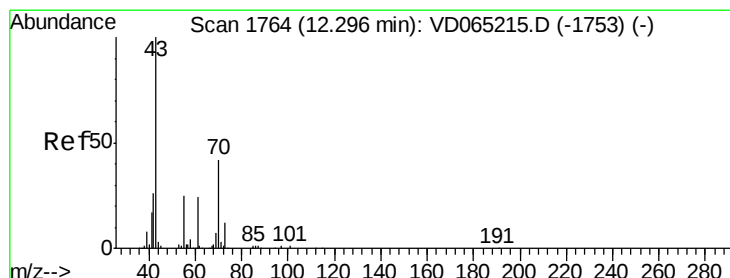
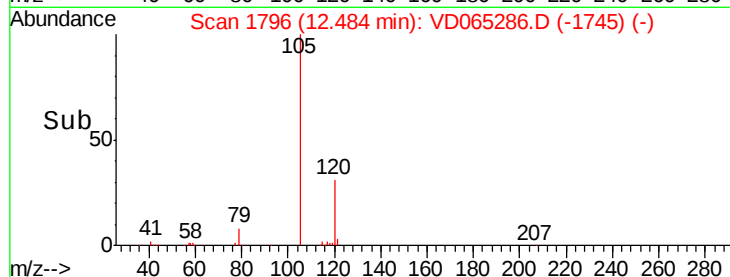
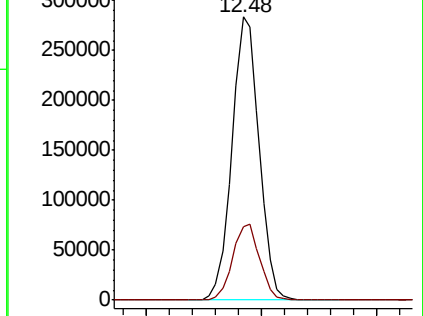
105 100

120 26.8 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: 18.963 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Tgt Ion: 43 Resp: 92591

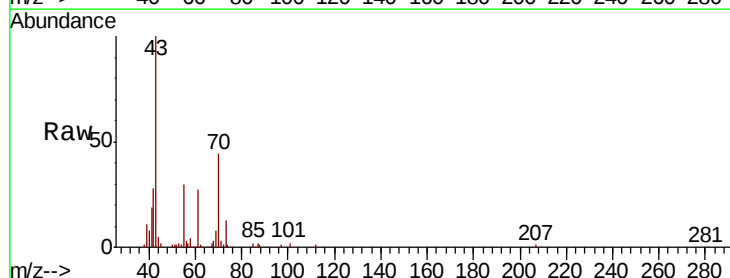
Ion Ratio Lower Upper

43 100

70 45.3 33.7 50.5

55 29.3 20.7 31.1

61 24.4 19.0 28.4

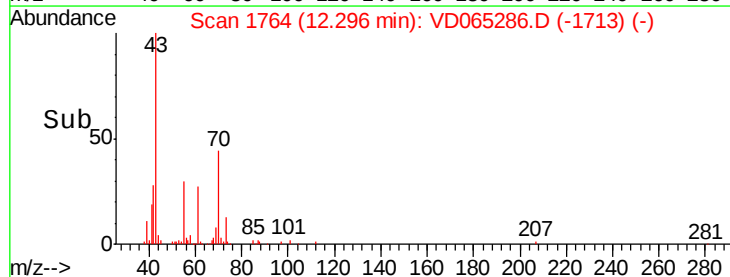
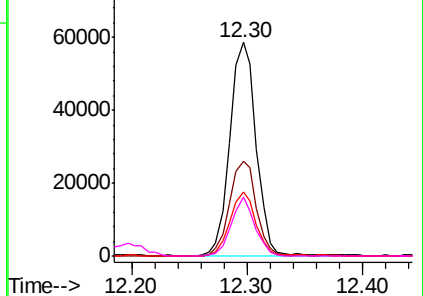


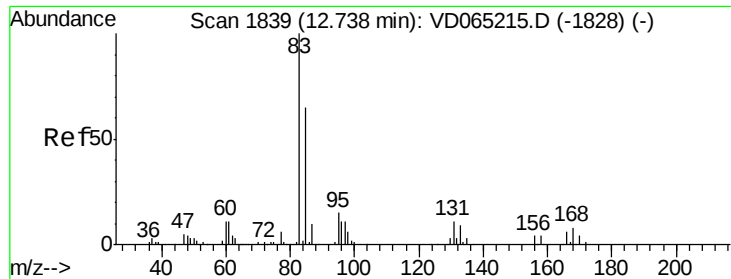
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.446 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

ClientSampleId :

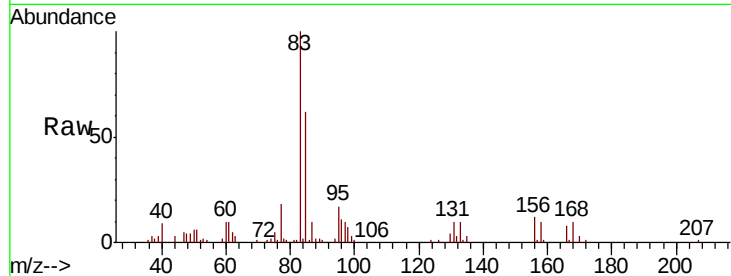
Tot Ion: 83 Resp: 81087

Ion Ratio Lower Upper

83 100

131 10.5 5.4 16.2

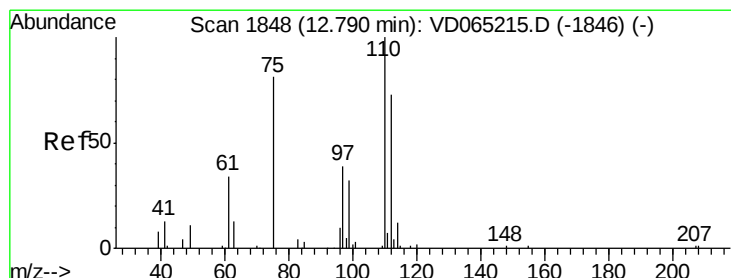
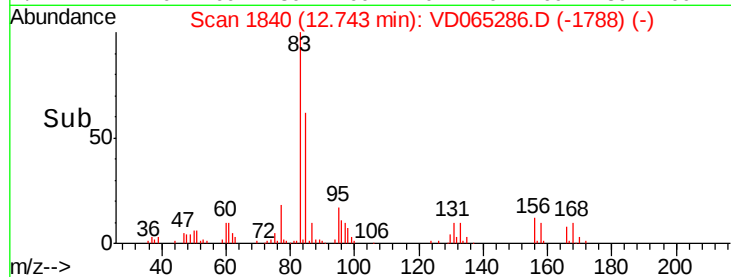
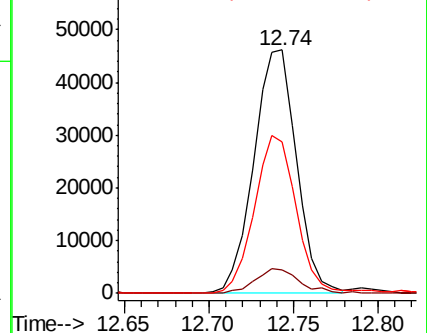
85 62.9 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 36.827 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065286.D

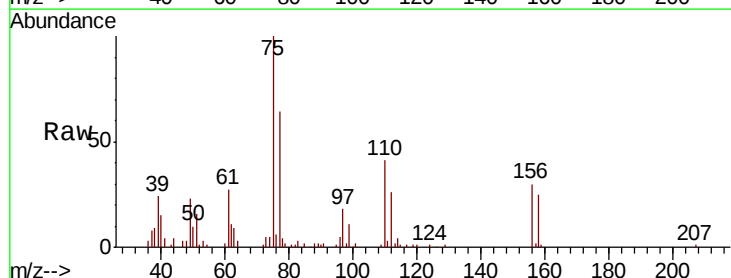
Acq: 24 Feb 2020 11:13

Tgt Ion: 75 Resp: 103999

Ion Ratio Lower Upper

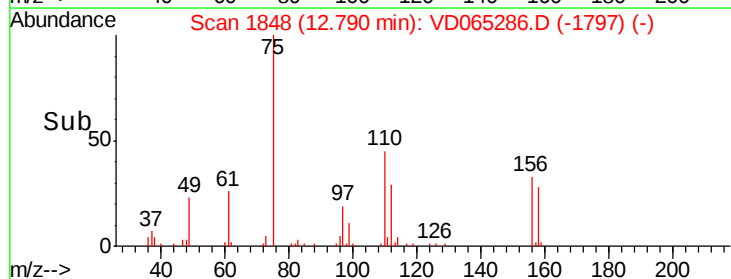
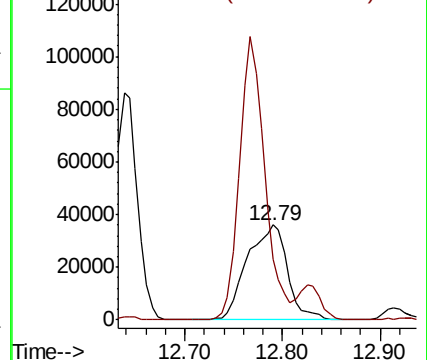
75 100

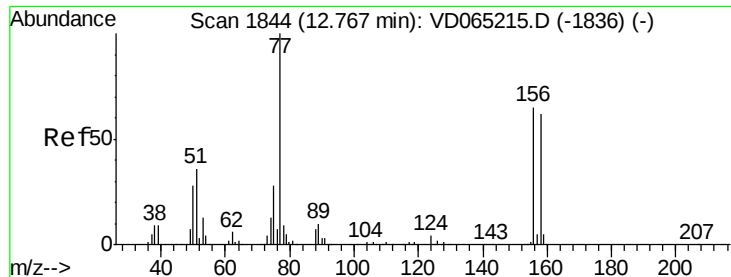
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.437 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

ClientSampleId :

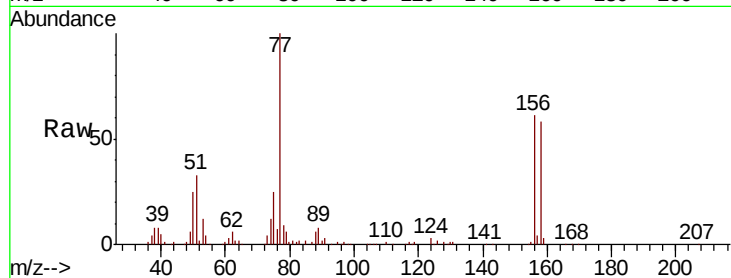
Tot Ion:156 Resp: 111514

Ion Ratio Lower Upper

156 100

77 174.4 86.6 259.7

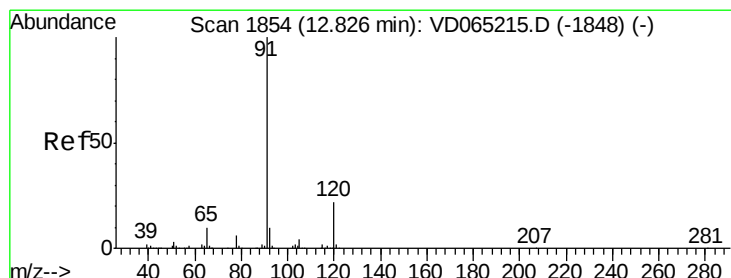
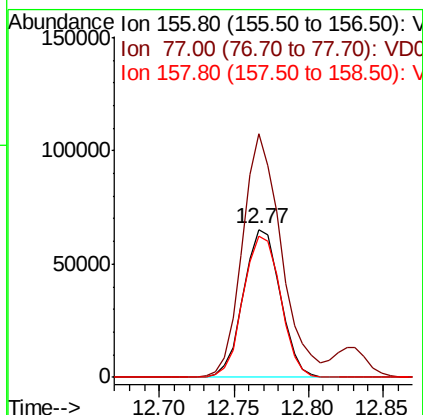
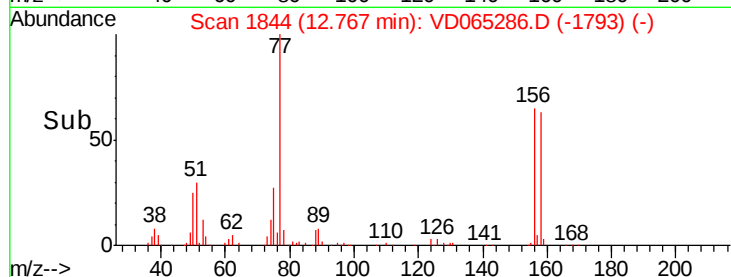
158 97.1 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.940 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065286.D

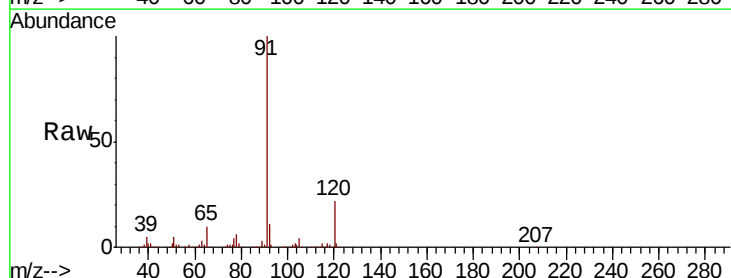
Acq: 24 Feb 2020 11:13

Tgt Ion: 91 Resp: 552968

Ion Ratio Lower Upper

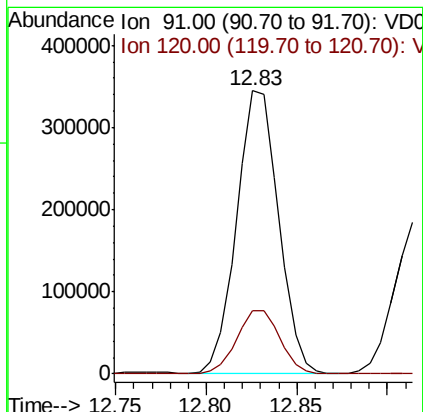
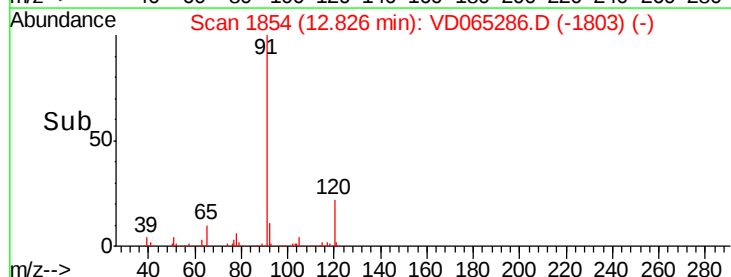
91 100

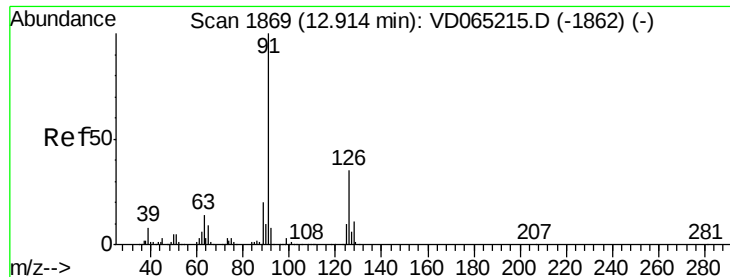
120 23.1 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

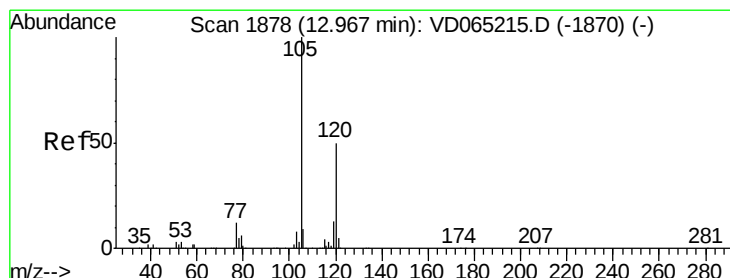
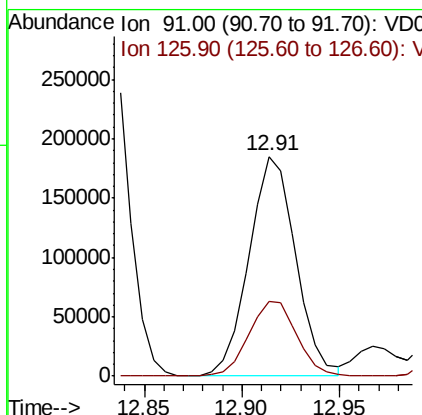
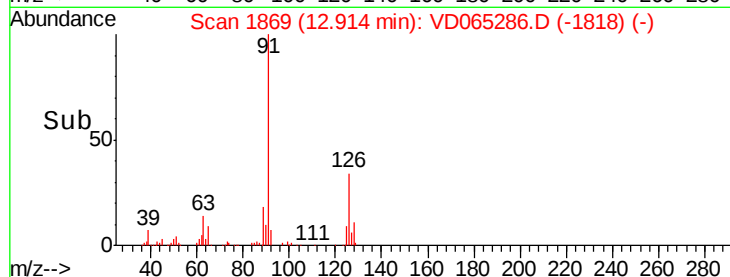
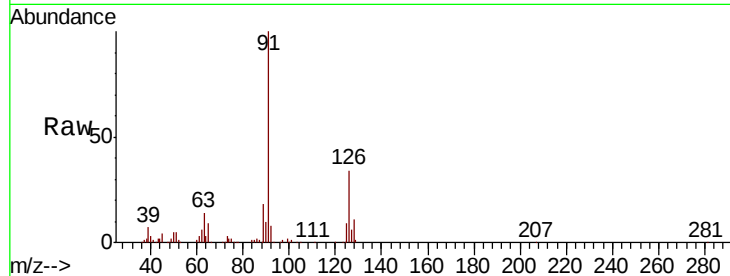




#79
 2-Chlorotoluene
 Concen: 20.680 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

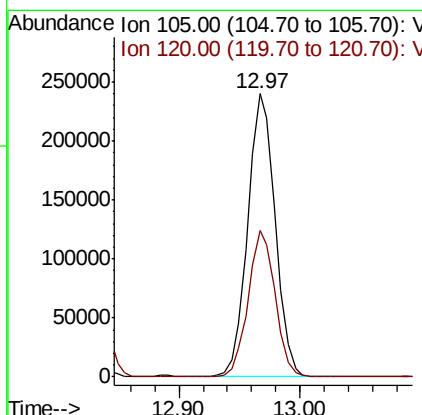
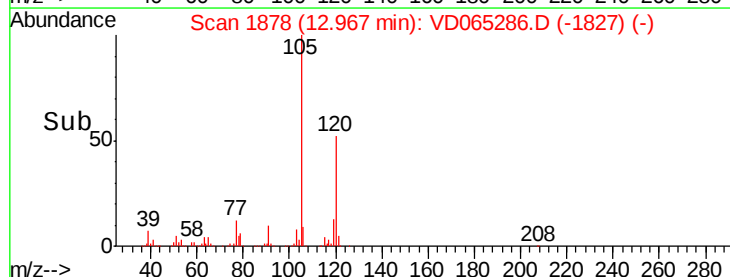
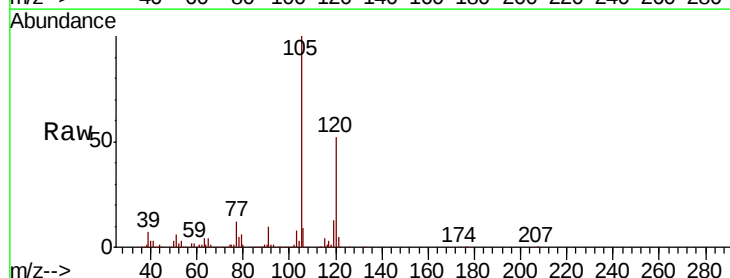
Instrument :
 MSVOA_D
 ClientSampleId :

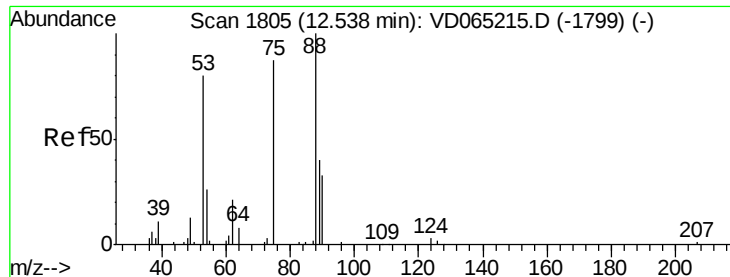
Tot Ion: 91 Resp: 305923
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.991 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Tgt Ion: 105 Resp: 379914
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.4 76.4

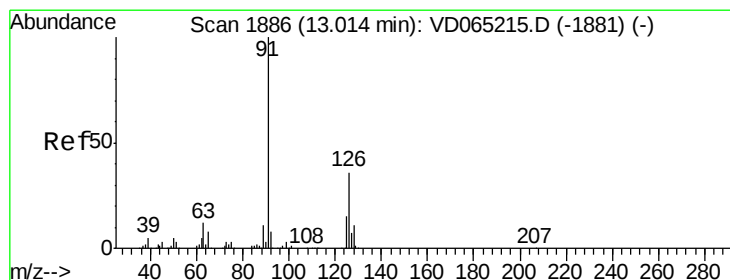
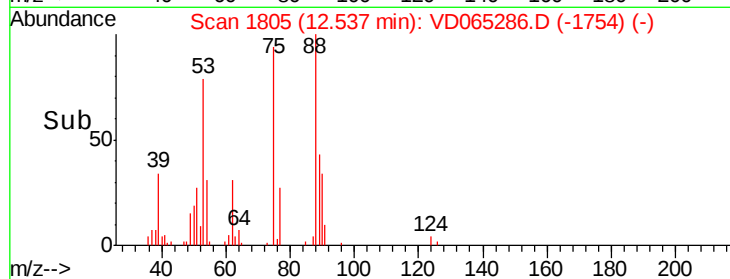
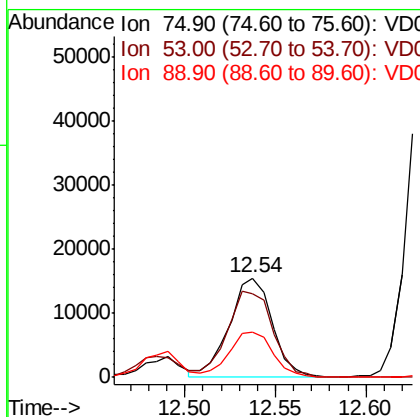
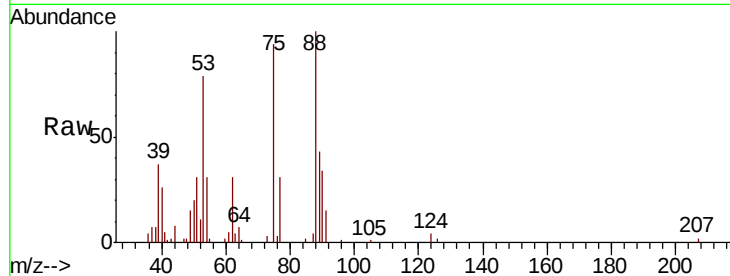




#81
trans-1,4-Dichloro-2-butene
Concen: 19.673 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

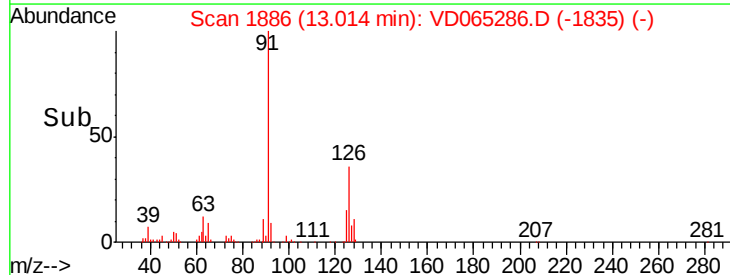
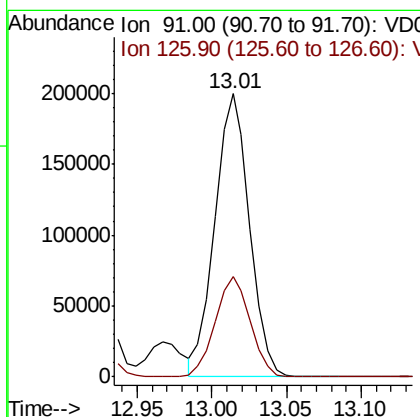
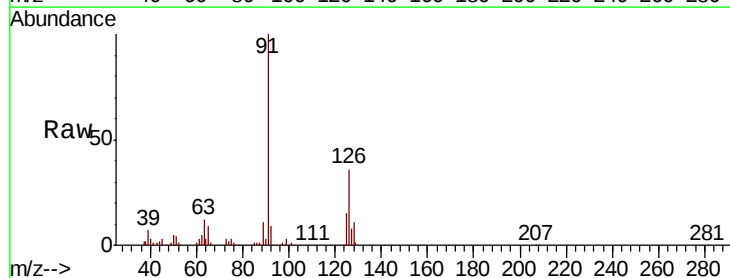
Instrument :
MSVOA_D
ClientSampleId :

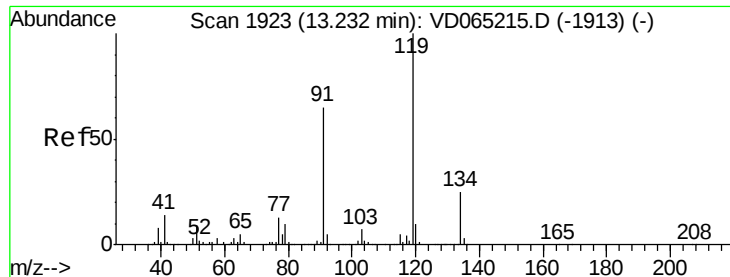
Tot Ion: 75 Resp: 25731
Ion Ratio Lower Upper
75 100
53 91.7 77.6 116.4
89 45.9 37.2 55.8



#82
4-Chlorotoluene
Concen: 20.591 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion: 91 Resp: 323381
Ion Ratio Lower Upper
91 100
126 35.8 17.4 52.3

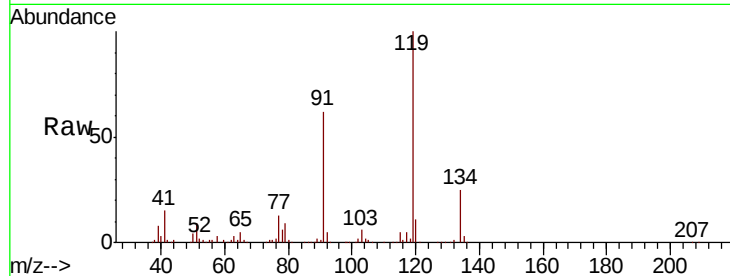




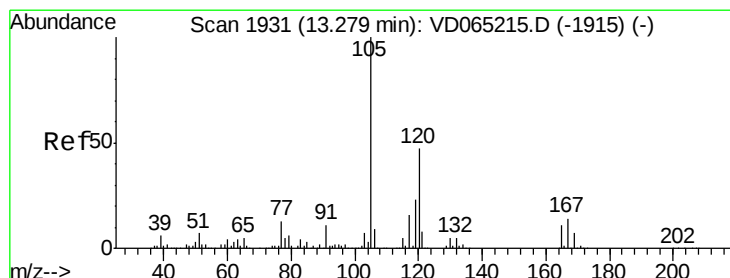
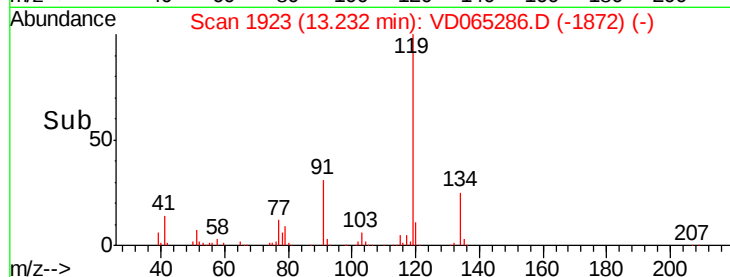
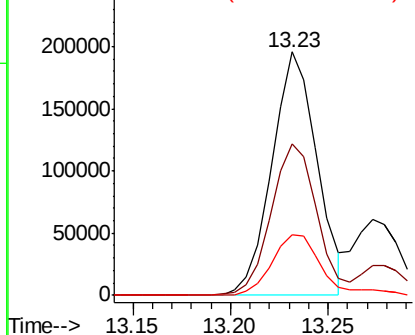
#83
tert-Butylbenzene
Concen: 20.657 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 313339
Ion Ratio Lower Upper
119 100
91 63.4 31.9 95.5
134 27.8 13.8 41.3

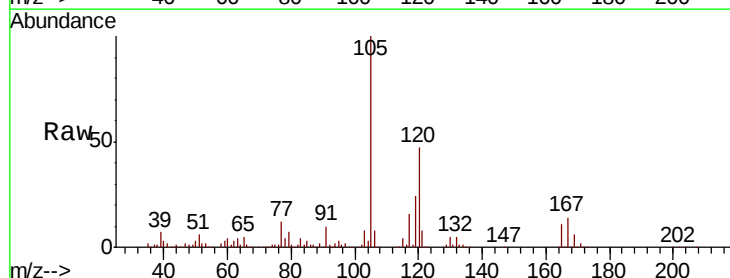


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

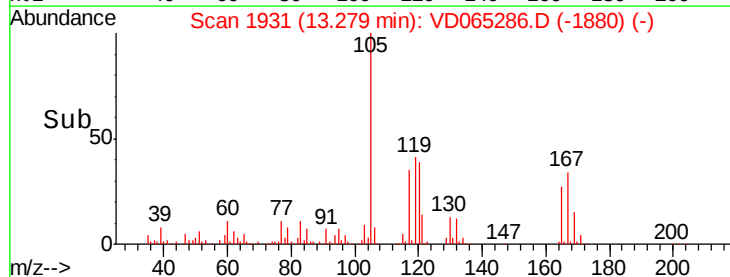
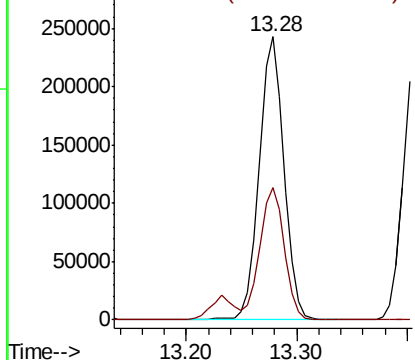


#84
1,2,4-Trimethylbenzene
Concen: 21.123 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion:105 Resp: 382650
Ion Ratio Lower Upper
105 100
120 46.3 23.3 69.9



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





#85

sec-Butylbenzene

Concen: 20.792 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

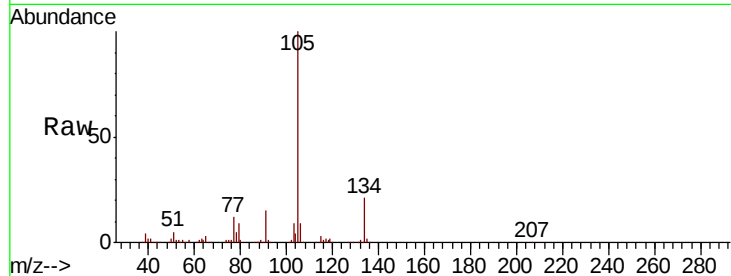
ClientSampleId :

Tot Ion:105 Resp: 454458

Ion Ratio Lower Upper

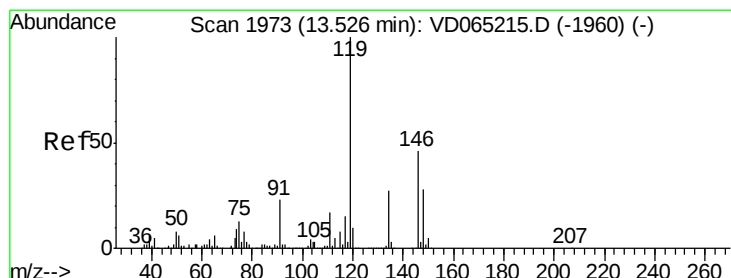
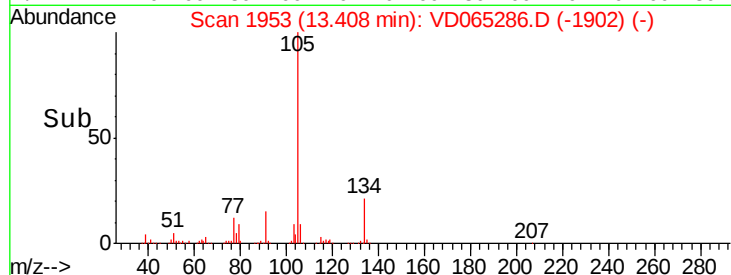
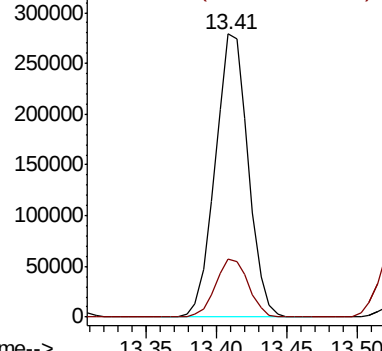
105 100

134 20.8 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.203 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

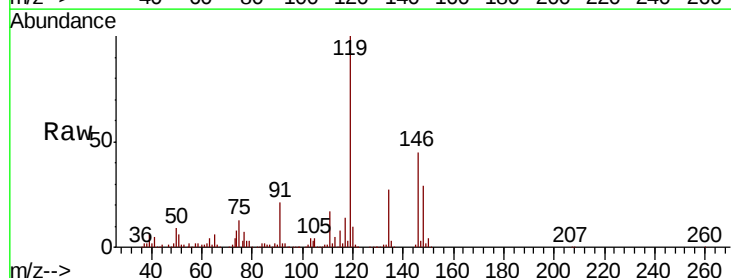
Tgt Ion:119 Resp: 423815

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

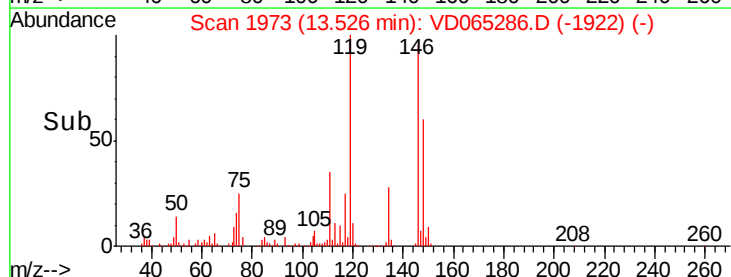
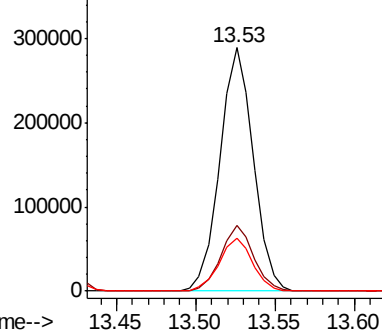
91 21.8 11.1 33.1

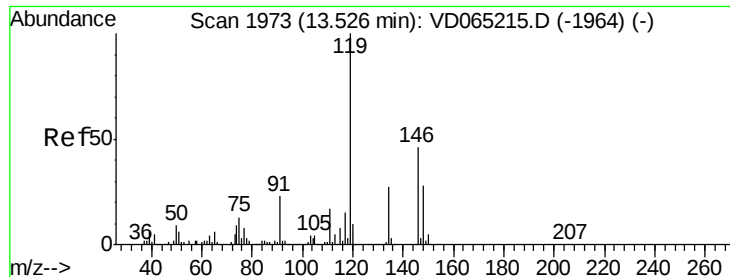


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

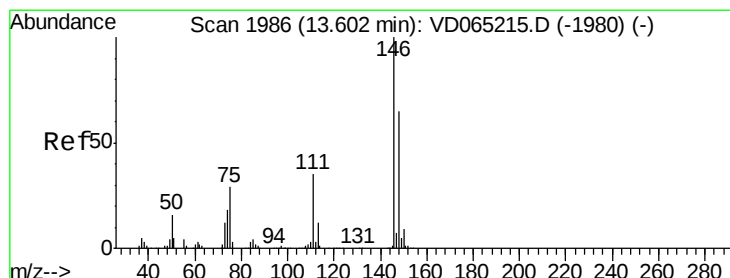
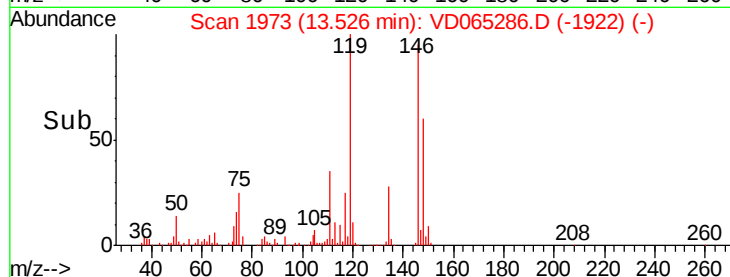
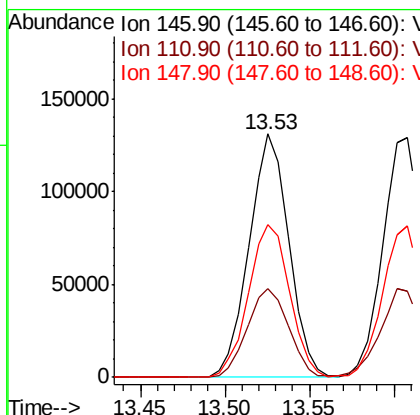
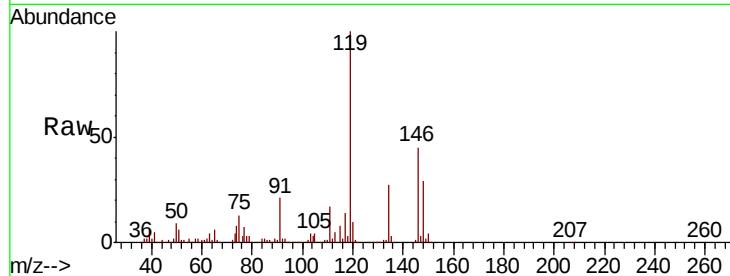




#87
 1,3-Dichlorobenzene
 Concen: 20.308 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

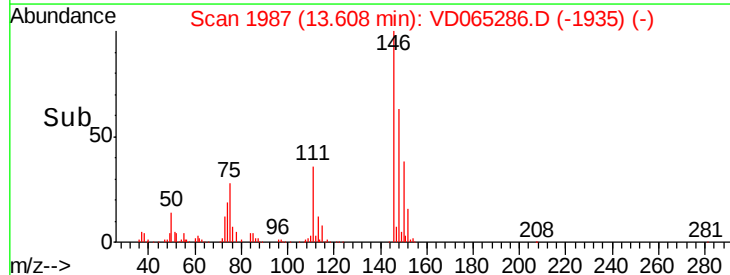
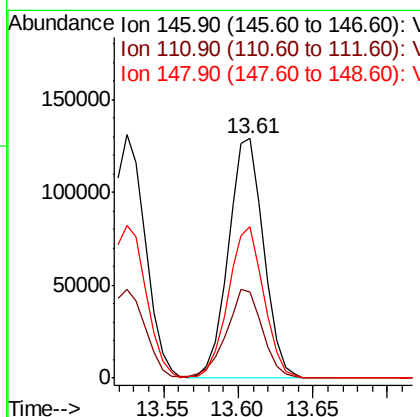
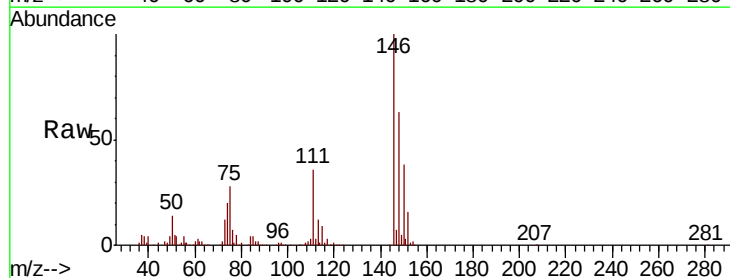
Instrument :
 MSVOA_D
 ClientSampleId :

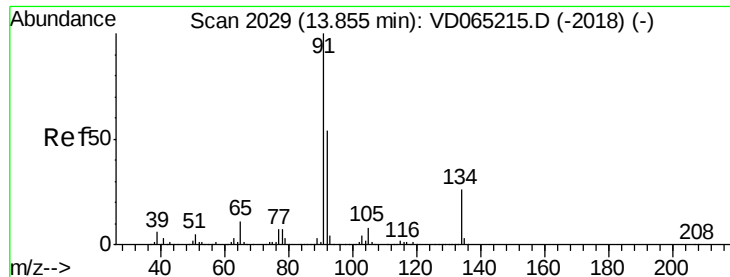
Tot Ion:146 Resp: 214228
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.6 55.8
 148 64.9 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 20.462 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Tgt Ion:146 Resp: 213036
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.4 55.2
 148 63.5 32.1 96.5

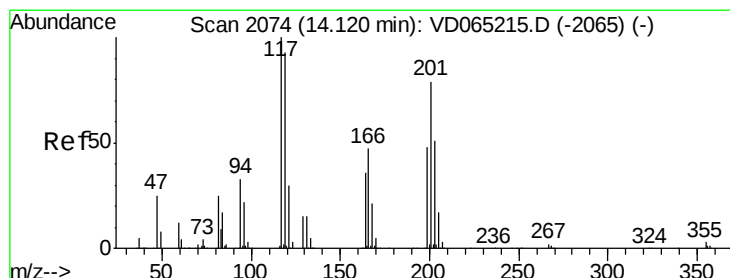
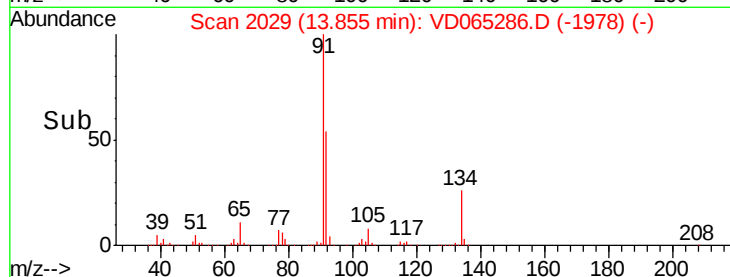
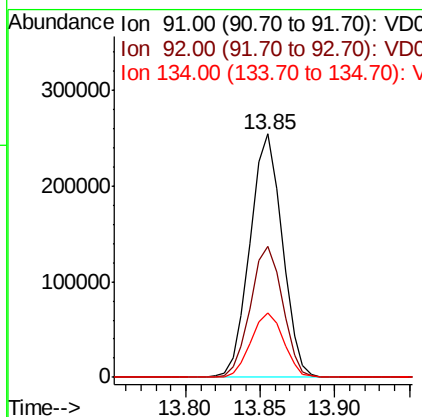
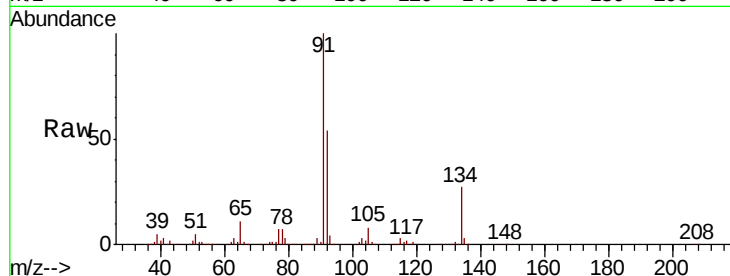




#89
n-Butylbenzene
Concen: 20.697 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

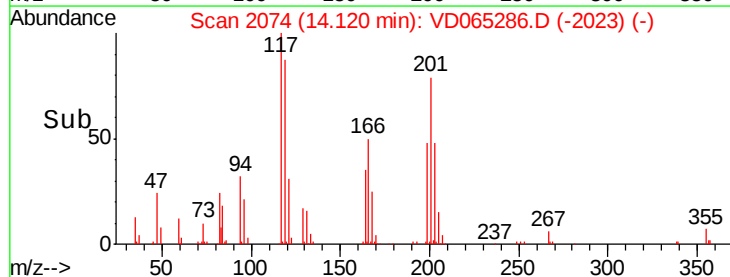
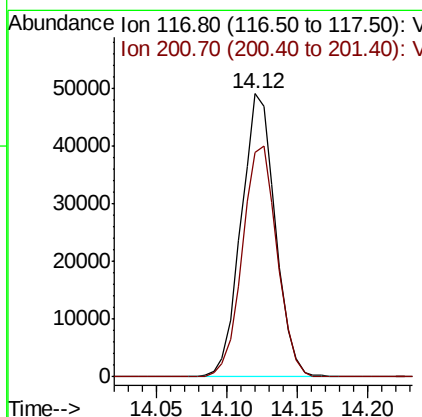
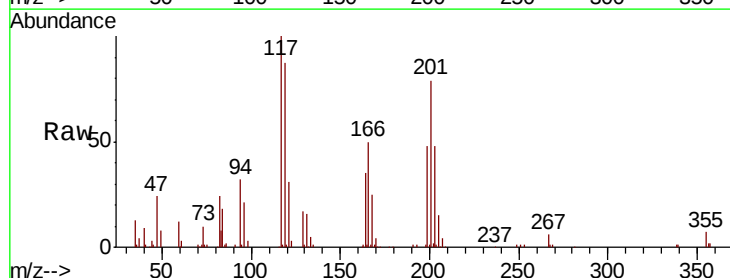
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 381216
Ion Ratio Lower Upper
91 100
92 53.9 27.0 80.8
134 26.9 13.5 40.4



#90
Hexachloroethane
Concen: 20.434 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion: 117 Resp: 82935
Ion Ratio Lower Upper
117 100
201 82.8 41.3 124.1





#91

1,2-Dichlorobenzene

Concen: 20.442 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

Instrument :

MSVOA_D

ClientSampleId :

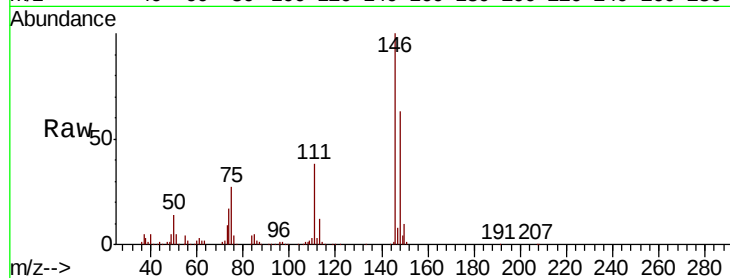
Tot Ion:146 Resp: 185158

Ion Ratio Lower Upper

146 100

111 38.1 19.7 59.0

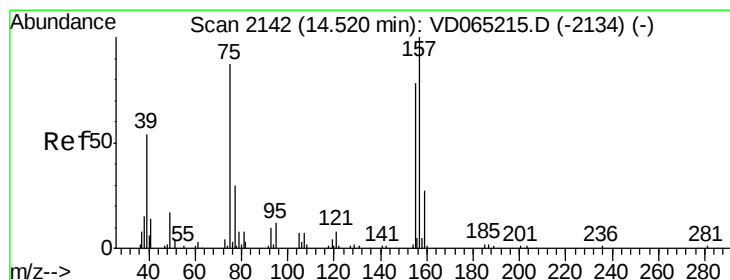
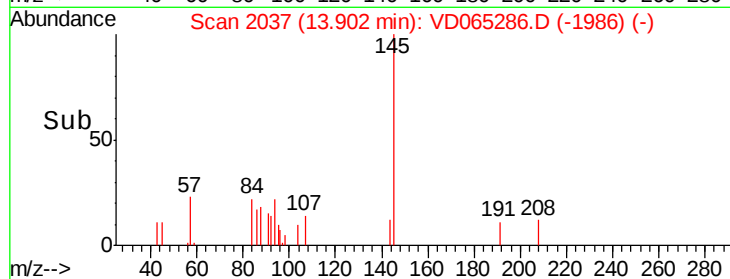
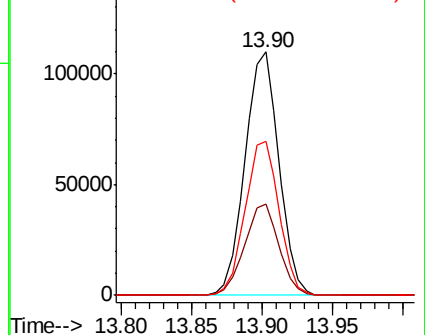
148 63.6 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.677 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VD065286.D

Acq: 24 Feb 2020 11:13

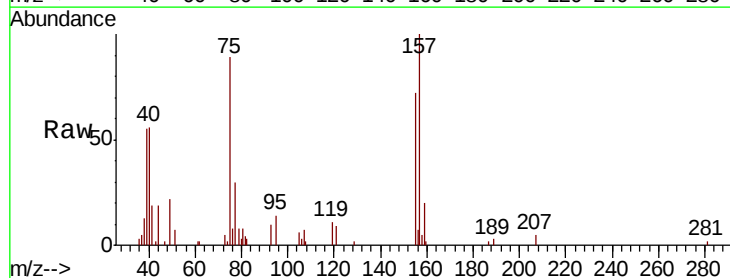
Tgt Ion: 75 Resp: 12026

Ion Ratio Lower Upper

75 100

155 88.7 42.3 126.9

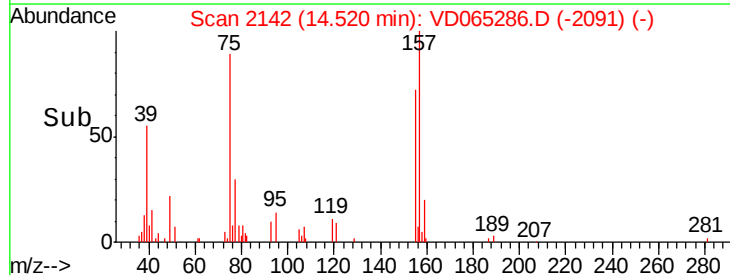
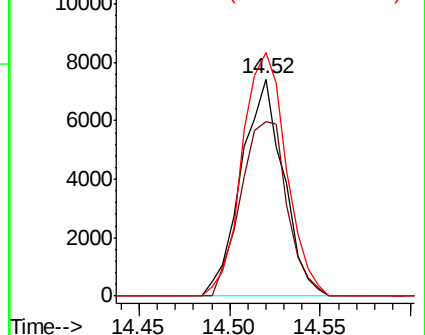
157 117.7 56.7 170.1



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

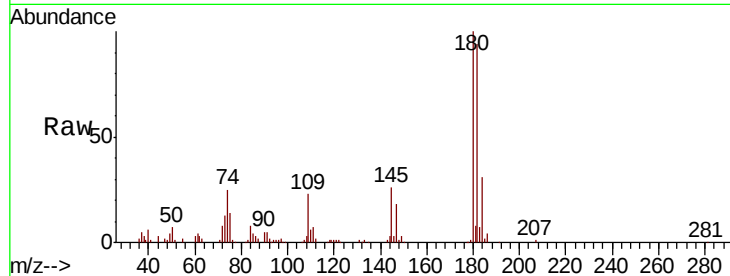




#93
 1,2,4-Trichlorobenzene
 Concen: 20.793 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	46.9	140.6
145	28.0	13.9	41.7

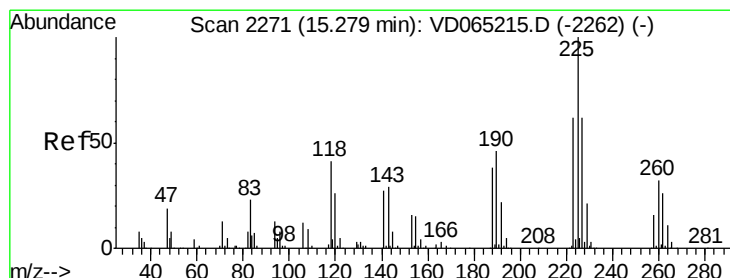
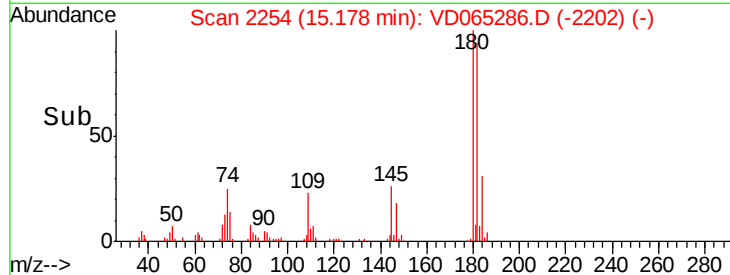
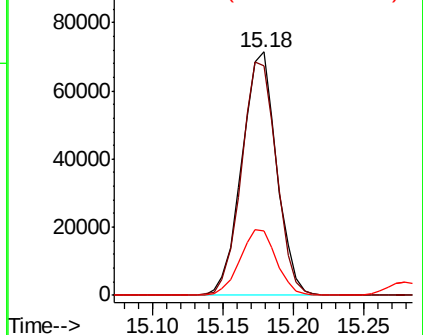


Abundance

Ion 179.80 (179.50 to 180.50): V

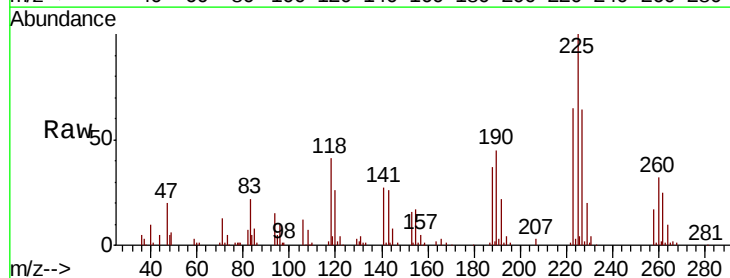
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.628 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065286.D
 Acq: 24 Feb 2020 11:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.4	94.2
227	64.6	31.7	95.1

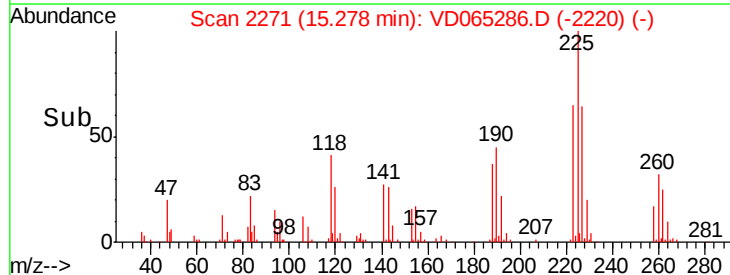
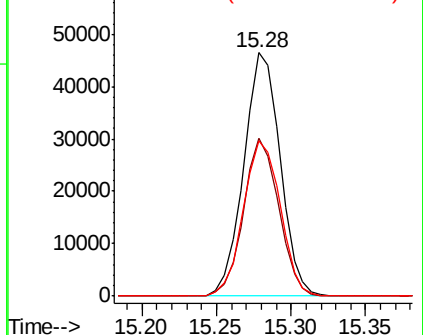


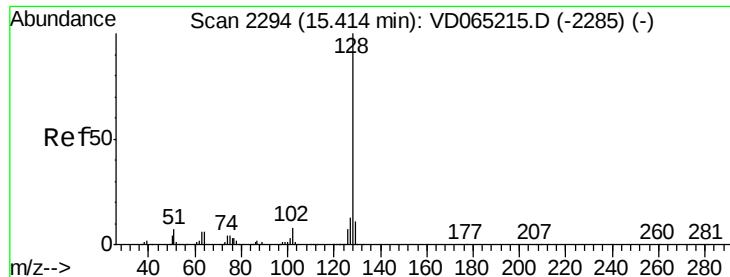
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

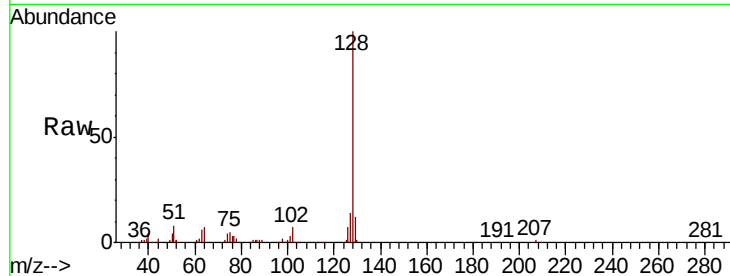




#95
Naphthalene
Concen: 20.197 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.3	15.5
129	11.2	8.8	13.2

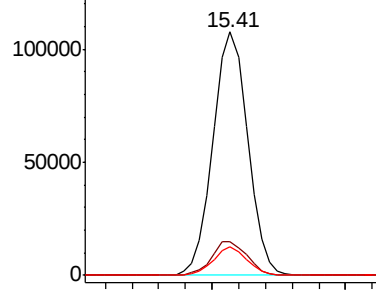


Abundance

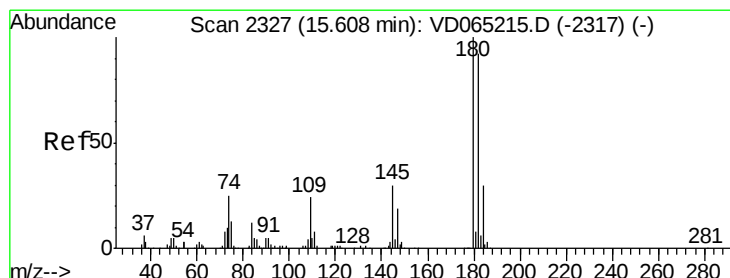
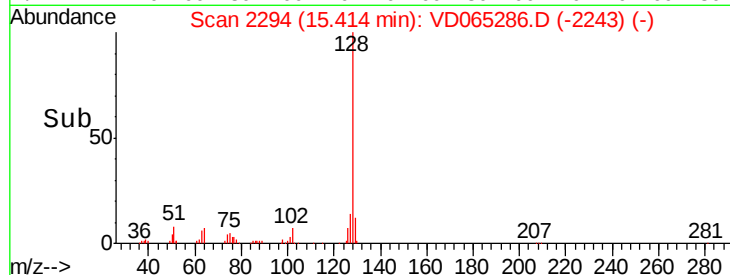
Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

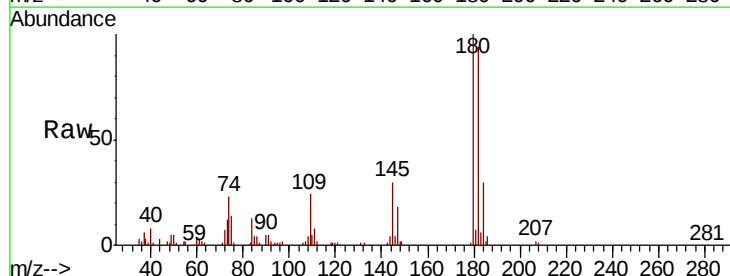


Time-->



#96
1,2,3-Trichlorobenzene
Concen: 20.296 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065286.D
Acq: 24 Feb 2020 11:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.8	46.9	140.6
145	31.5	15.4	46.1

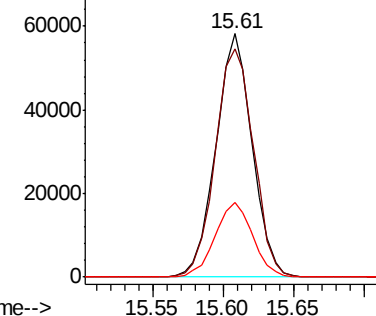


Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time-->

