

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021420\
 Data File : VD065186.D
 Acq On : 14 Feb 2020 14:25
 Operator : VA/SY
 Sample : VD0214SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 15 00:08:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	450465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	678064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	610741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287271	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	210727	55.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.08%	
35) Dibromofluoromethane	7.92	113	215233	56.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.78%	
50) Toluene-d8	10.34	98	846498	56.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.44%	
62) 4-Bromofluorobenzene	12.64	95	259021	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	77088	20.564	ug/l 95
3) Chloromethane	2.21	50	101646	23.035	ug/l 97
4) Vinyl Chloride	2.35	62	104852	22.468	ug/l 92
5) Bromomethane	2.77	94	62544	20.669	ug/l 92
6) Chloroethane	2.93	64	65477	22.619	ug/l 99
7) Trichlorofluoromethane	3.27	101	151301	22.278	ug/l 95
8) Diethyl Ether	3.71	74	40822	20.938	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	93185	22.444	ug/l 98
10) Methyl Iodide	4.29	142	94893	20.024	ug/l 99
11) Tert butyl alcohol	5.24	59	25795	110.272	ug/l 96
12) 1,1-Dichloroethene	4.06	96	86757	21.818	ug/l 99
13) Acrolein	3.92	56	21305	74.049	ug/l 99
14) Allyl chloride	4.71	41	143359	21.693	ug/l 96
15) Acrylonitrile	5.42	53	90393	106.047	ug/l 99
16) Acetone	4.16	43	93684	97.872	ug/l 99
17) Carbon Disulfide	4.40	76	277746	21.755	ug/l 96
18) Methyl Acetate	4.72	43	46571	23.287	ug/l 97
19) Methyl tert-butyl Ether	5.48	73	177471	20.183	ug/l 95
20) Methylene Chloride	4.96	84	109666	23.968	ug/l 98
21) trans-1,2-Dichloroethene	5.47	96	98300	21.850	ug/l 97
22) Diisopropyl ether	6.36	45	274775	22.043	ug/l 99
23) Vinyl Acetate	6.31	43	697545	100.396	ug/l 99
24) 1,1-Dichloroethane	6.26	63	171241	22.696	ug/l 97
25) 2-Butanone	7.22	43	112569	98.588	ug/l 94
26) 2,2-Dichloropropane	7.21	77	153154	22.646	ug/l 98
27) cis-1,2-Dichloroethene	7.21	96	103527	21.661	ug/l 99
28) Bromochloromethane	7.55	49	57617	20.145	ug/l 97
29) Tetrahydrofuran	7.57	42	70666	102.342	ug/l 97
30) Chloroform	7.71	83	171426	22.818	ug/l 98
31) Cyclohexane	7.98	56	161232	21.169	ug/l 97
32) 1,1,1-Trichloroethane	7.90	97	157870	22.559	ug/l 99
36) 1,1-Dichloropropene	8.11	75	136181	21.599	ug/l 99
37) Ethyl Acetate	7.30	43	54126	21.013	ug/l 97
38) Carbon Tetrachloride	8.10	117	143503	22.285	ug/l 96

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	155980	20.043	ug/l	100
40) Benzene	8.35	78	387563	22.260	ug/l	99
41) Methacrylonitrile	7.52	41	27477	19.363	ug/l	93
42) 1,2-Dichloroethane	8.43	62	107490	21.667	ug/l	97
43) Isopropyl Acetate	8.46	43	97968	19.883	ug/l	98
44) Trichloroethene	9.11	130	107485	21.507	ug/l	96
45) 1,2-Dichloropropane	9.39	63	95167	22.797	ug/l	99
46) Dibromomethane	9.48	93	48697	22.200	ug/l	96
47) Bromodichloromethane	9.66	83	128932	22.307	ug/l	98
48) Methyl methacrylate	9.46	41	45509	19.194	ug/l	95
49) 1,4-Dioxane	9.47	88	10678	410.985	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	244483	100.805	ug/l	99
52) Toluene	10.40	92	247979	22.315	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	118121	20.990	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	144977	21.540	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	66834	22.213	ug/l	95
56) Ethyl methacrylate	10.67	69	73579	19.327	ug/l	95
57) 1,3-Dichloropropane	10.95	76	112765	21.313	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	113046	78.896	ug/l	99
59) 2-Hexanone	10.99	43	173387	100.929	ug/l	99
60) Dibromochloromethane	11.14	129	85043	21.822	ug/l	99
61) 1,2-Dibromoethane	11.25	107	63087	21.458	ug/l	99
64) Tetrachloroethene	10.88	164	89727	20.446	ug/l	98
65) Chlorobenzene	11.67	112	259135	21.937	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	95278	21.854	ug/l	99
67) Ethyl Benzene	11.75	91	451680	21.046	ug/l	98
68) m/p-Xylenes	11.86	106	346749	42.332	ug/l	100
69) o-Xylene	12.18	106	149724	20.298	ug/l	98
70) Styrene	12.20	104	268703	20.959	ug/l	98
71) Bromoform	12.37	173	49941	21.282	ug/l #	100
73) Isopropylbenzene	12.48	105	411780	20.884	ug/l	100
74) N-amyl acetate	12.30	43	82693	19.295	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	70497	22.718	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	88401	40.645	ug/l #	100
77) Bromobenzene	12.77	156	100160	21.084	ug/l	97
78) n-propylbenzene	12.83	91	508761	22.033	ug/l	99
79) 2-Chlorotoluene	12.91	91	279772	21.737	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	347400	21.537	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22417	20.613	ug/l	93
82) 4-Chlorotoluene	13.01	91	297185	21.985	ug/l	100
83) tert-Butylbenzene	13.23	119	280730	20.173	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	341883	21.349	ug/l	100
85) sec-Butylbenzene	13.41	105	406751	21.400	ug/l	100
86) p-Isopropyltoluene	13.53	119	375620	21.270	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	195740	22.007	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	192266	21.719	ug/l	100
89) n-Butylbenzene	13.85	91	344246	21.119	ug/l	100
90) Hexachloroethane	14.13	117	74535	22.289	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	164134	21.544	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10443	20.615	ug/l	98

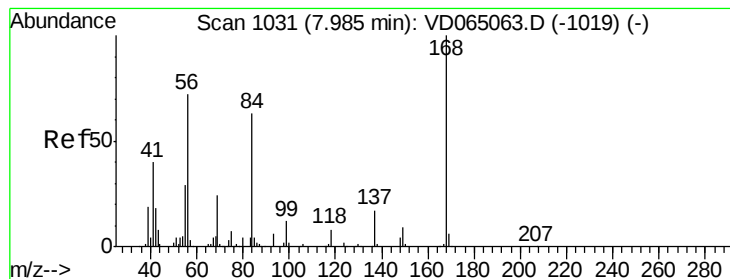
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021420\
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Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	107801	19.798	ug/l	98
94) Hexachlorobutadiene	15.28	225	67337	20.112	ug/l	98
95) Naphthalene	15.41	128	162658	17.973	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	92947	19.956	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

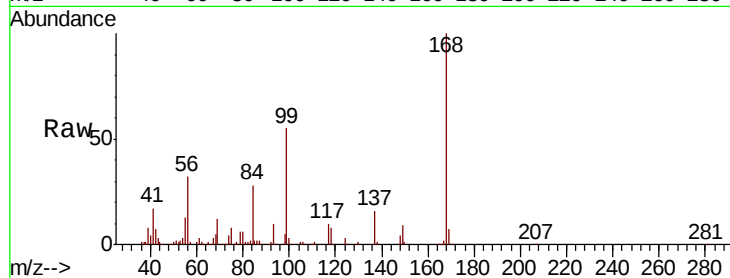
ClientSampled :

Tot Ion:168 Resp: 450465

Ion Ratio Lower Upper

168 100

99 54.3 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

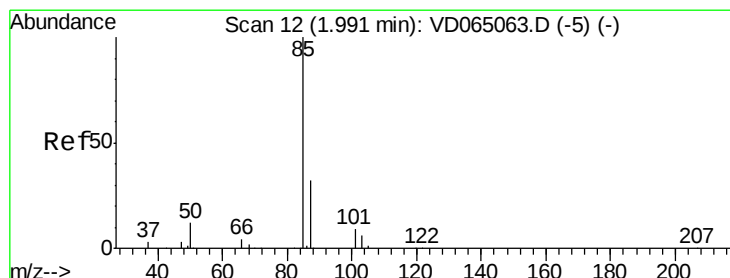
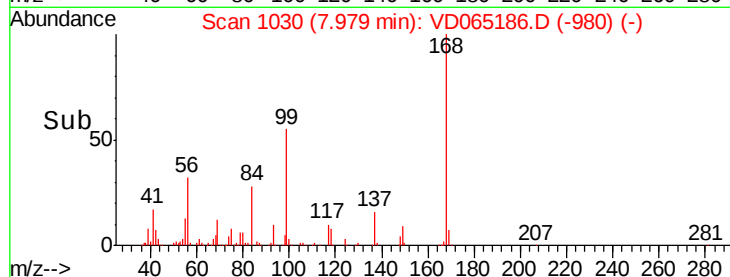
100000

50000

0

7.90 8.00 8.10 8.20

Time-->



#2

Dichlorodifluoromethane

Concen: 20.564 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065186.D

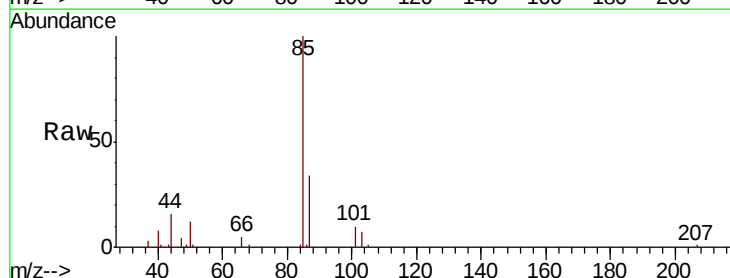
Acq: 14 Feb 2020 14:25

Tgt Ion: 85 Resp: 77088

Ion Ratio Lower Upper

85 100

87 34.4 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

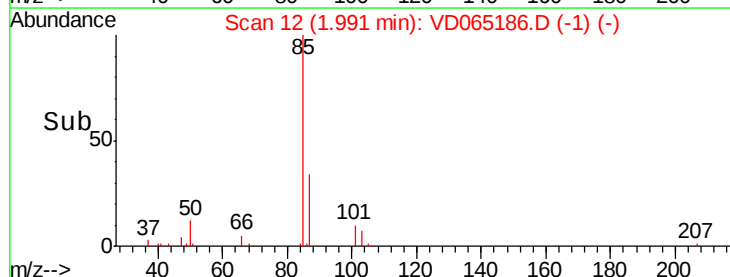
20000

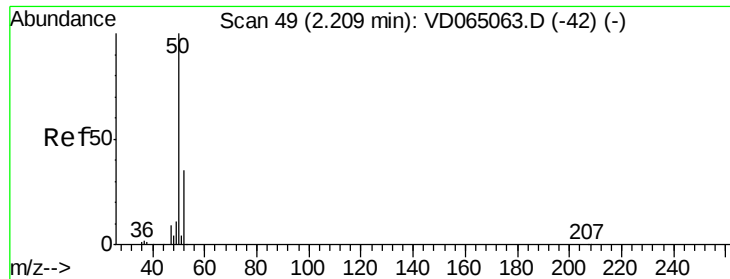
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 23.035 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

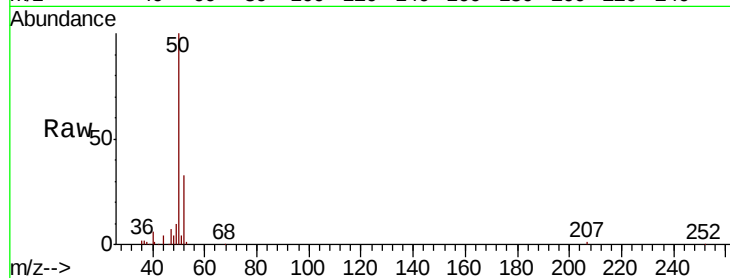
ClientSampleId :

Tot Ion: 50 Resp: 101646

Ion Ratio Lower Upper

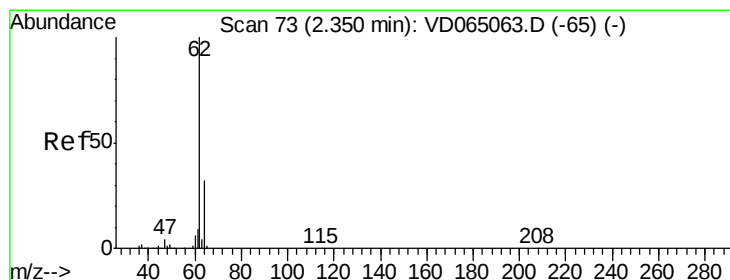
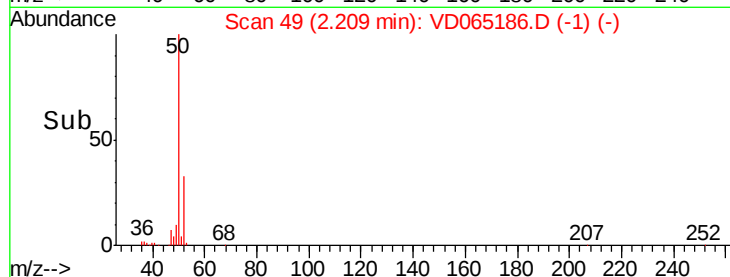
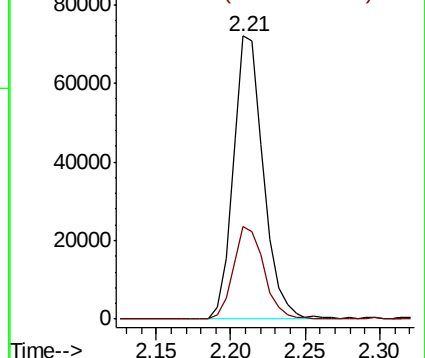
50 100

52 32.7 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.468 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065186.D

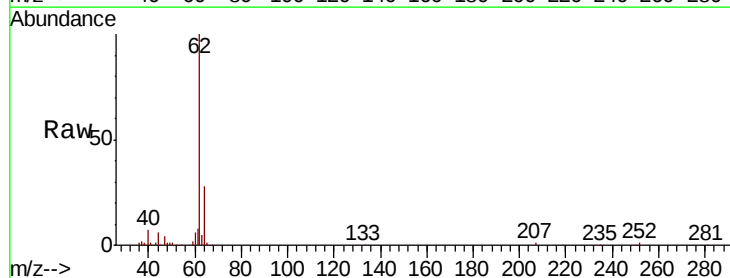
Acq: 14 Feb 2020 14:25

Tgt Ion: 62 Resp: 104852

Ion Ratio Lower Upper

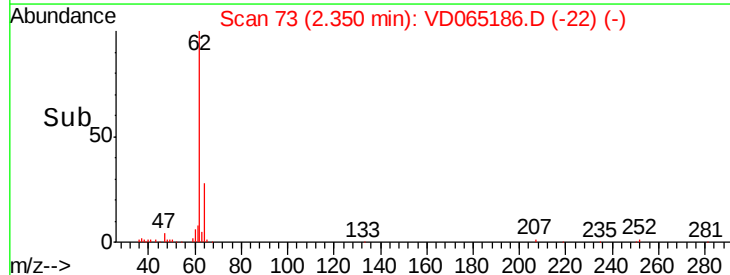
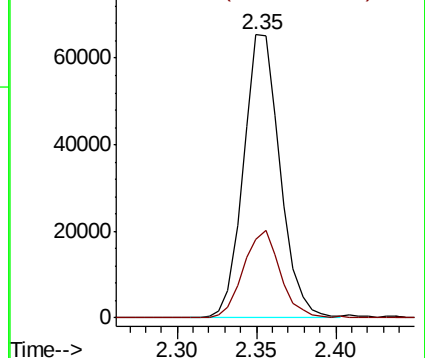
62 100

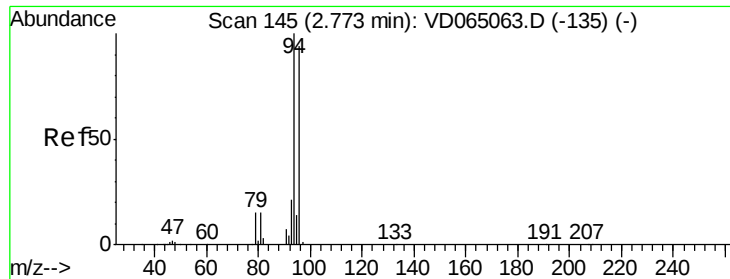
64 28.0 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.669 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

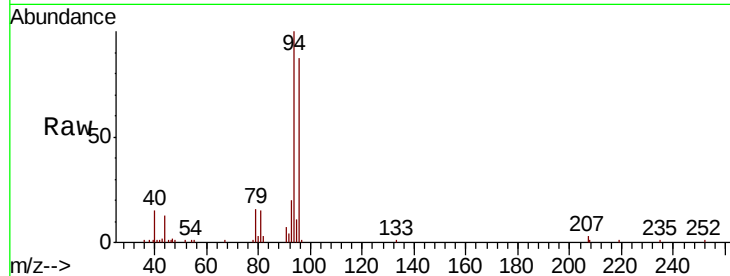
ClientSampleId :

Tot Ion: 94 Resp: 62544

Ion Ratio Lower Upper

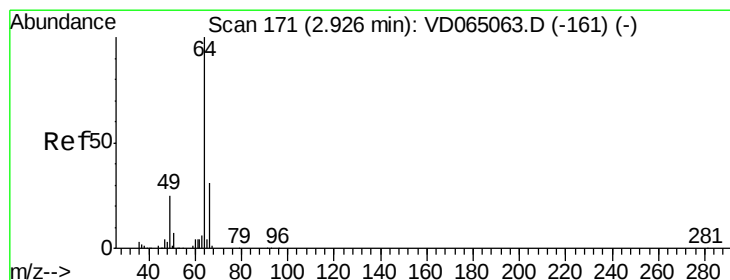
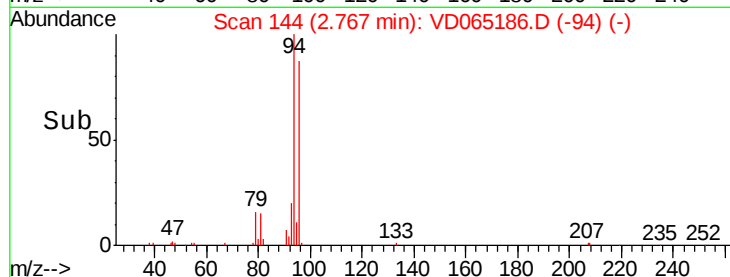
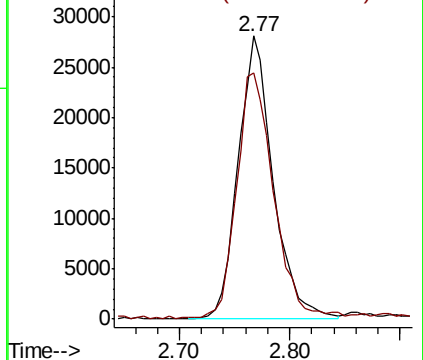
94 100

96 86.5 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 22.619 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065186.D

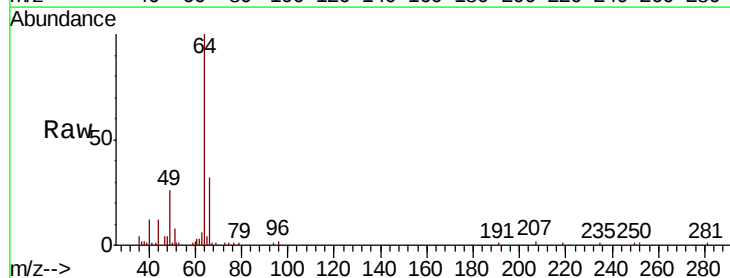
Acq: 14 Feb 2020 14:25

Tgt Ion: 64 Resp: 65477

Ion Ratio Lower Upper

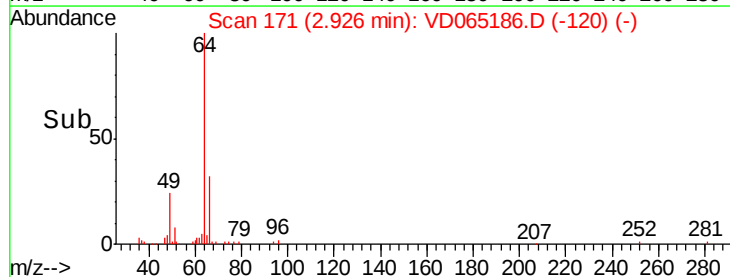
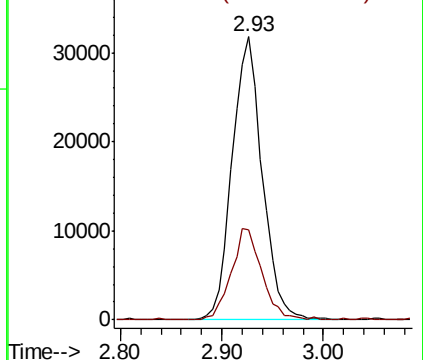
64 100

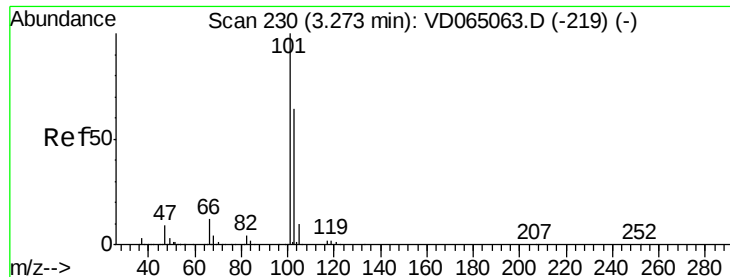
66 31.7 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



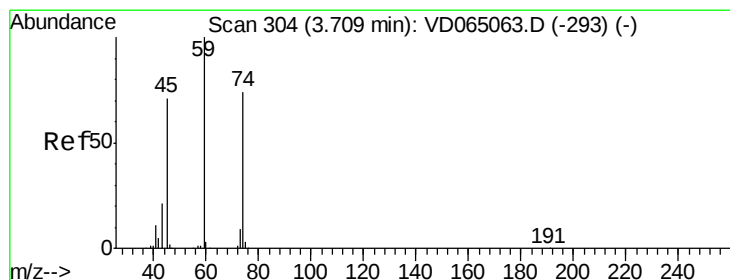
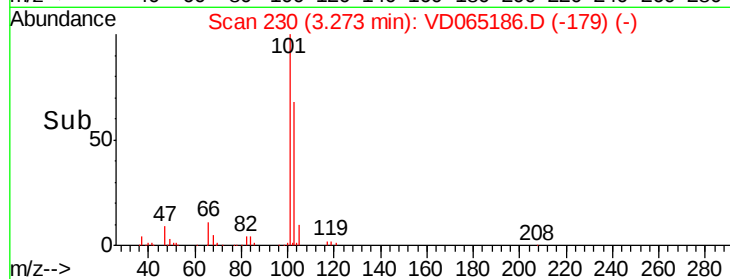
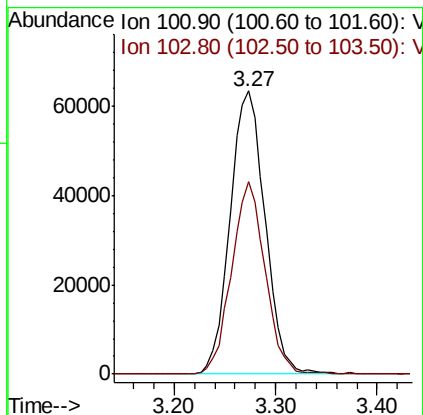
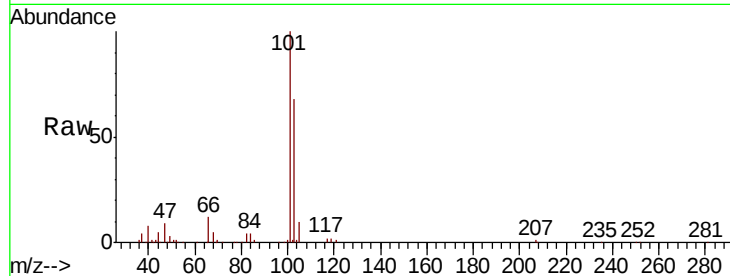


#7

Trichlorofluoromethane
 Concen: 22.278 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Instrument :
 MSVOA_D
 ClientSampleId :

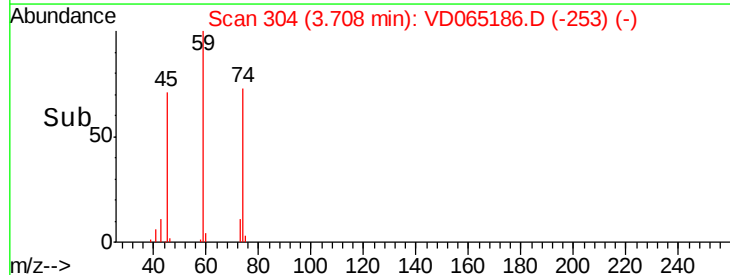
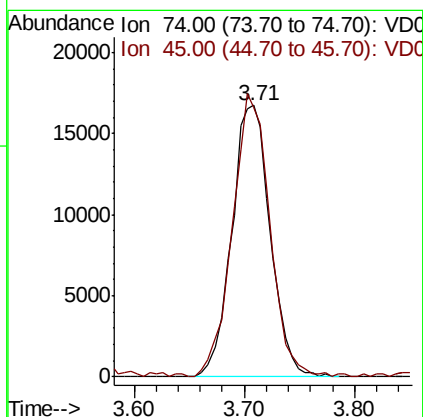
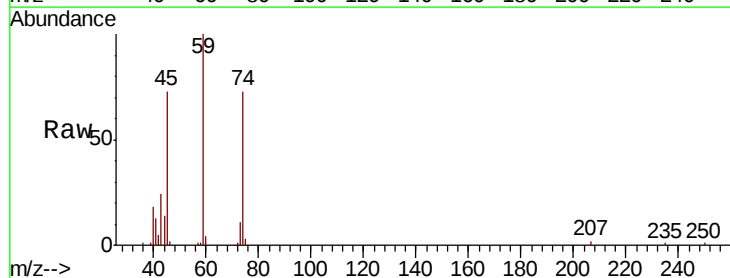
Tot Ion:101 Resp: 151301
 Ion Ratio Lower Upper
 101 100
 103 67.9 51.0 76.6

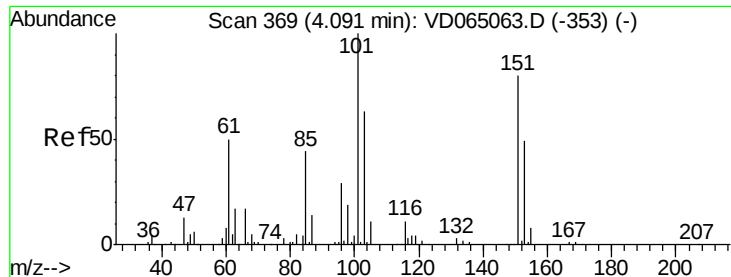


#8

Diethyl Ether
 Concen: 20.938 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Tgt Ion: 74 Resp: 40822
 Ion Ratio Lower Upper
 74 100
 45 101.5 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.444 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

ClientSampleId :

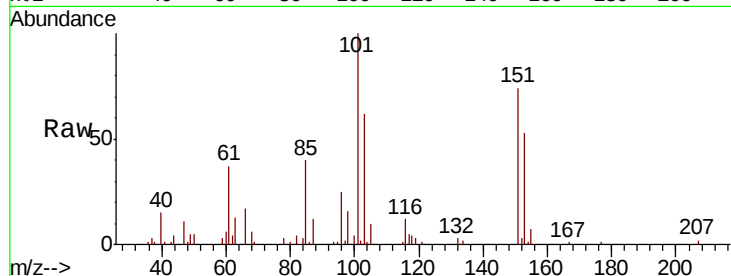
Tot Ion:101 Resp: 93185

Ion Ratio Lower Upper

101 100

85 43.3 34.0 51.0

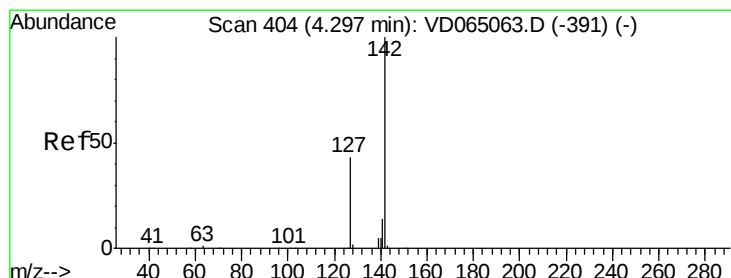
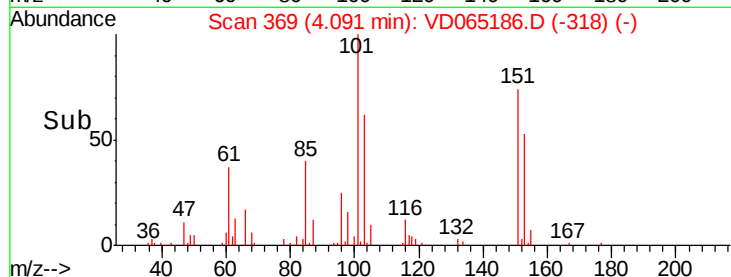
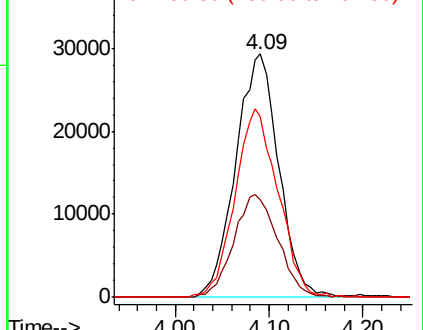
151 77.5 64.0 96.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.024 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

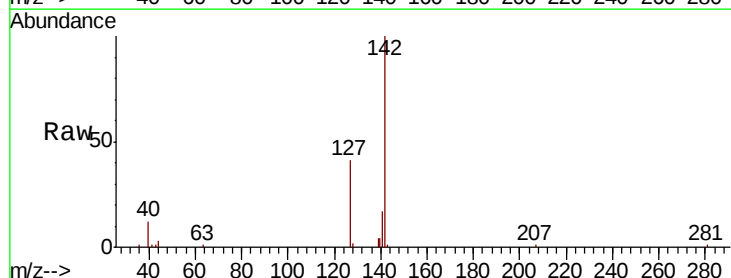
Tgt Ion:142 Resp: 94893

Ion Ratio Lower Upper

142 100

127 42.3 34.0 51.0

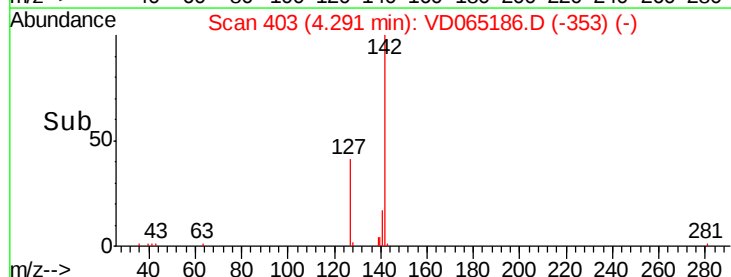
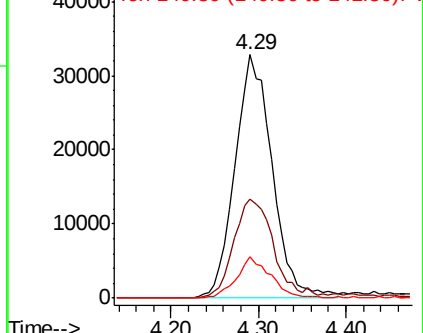
141 15.4 11.6 17.4

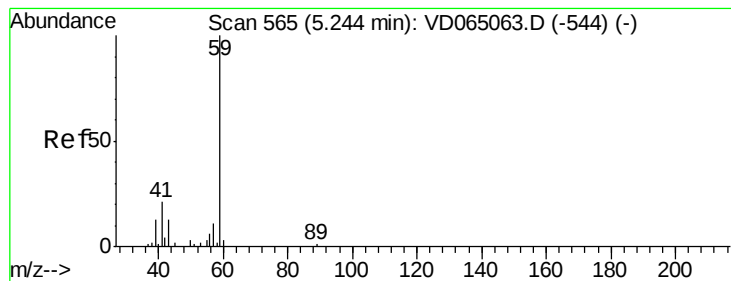


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 110.272 ug/l

RT: 5.24 min Scan# 565

Delta R.T. 0.00 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

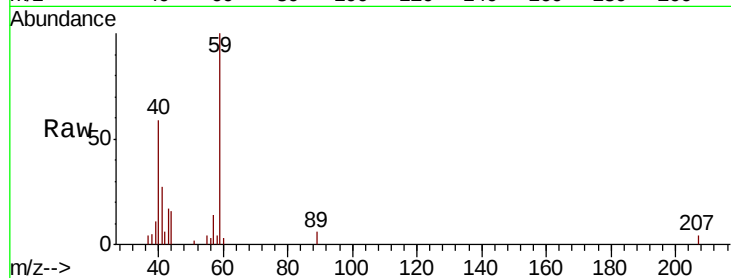
ClientSampleId :

Tot Ion: 59 Resp: 25795

Ion Ratio Lower Upper

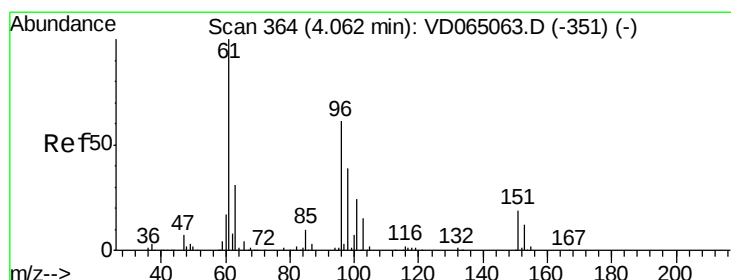
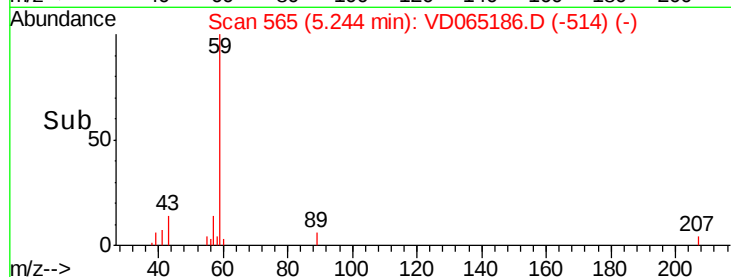
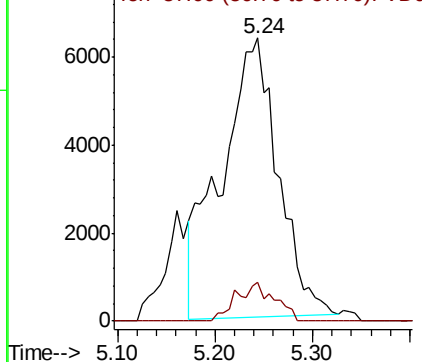
59 100

57 9.4 8.8 13.2



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 21.818 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

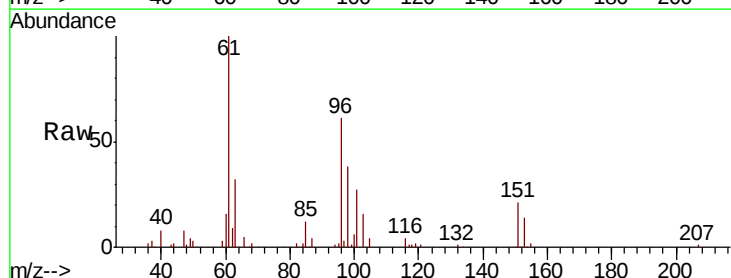
Tgt Ion: 96 Resp: 86757

Ion Ratio Lower Upper

96 100

61 163.3 131.4 197.2

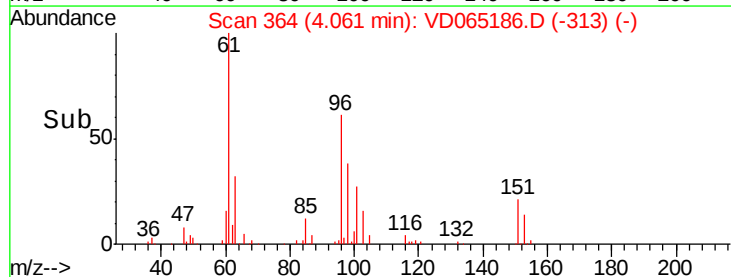
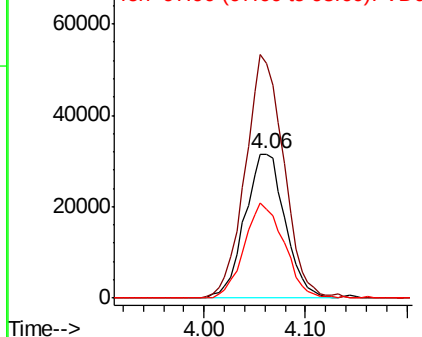
98 61.6 51.1 76.7

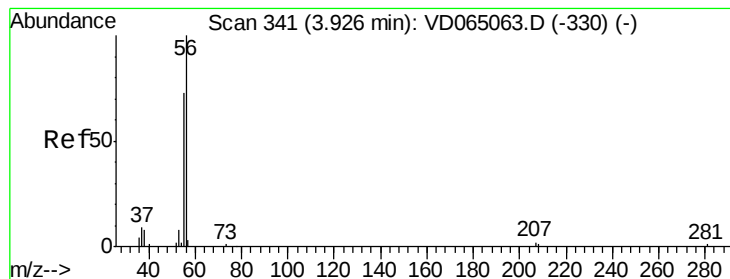


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 74.049 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

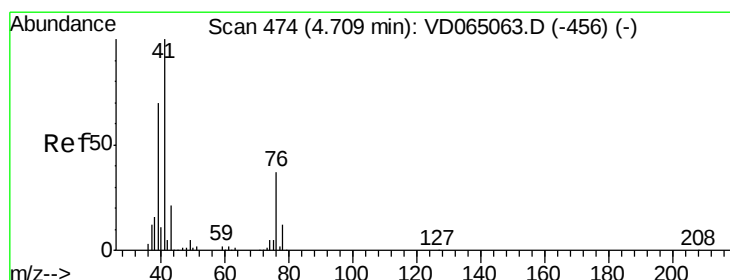
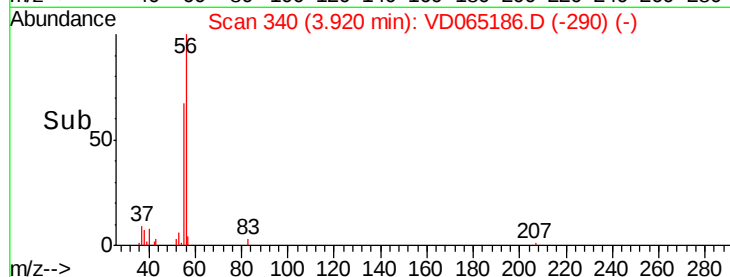
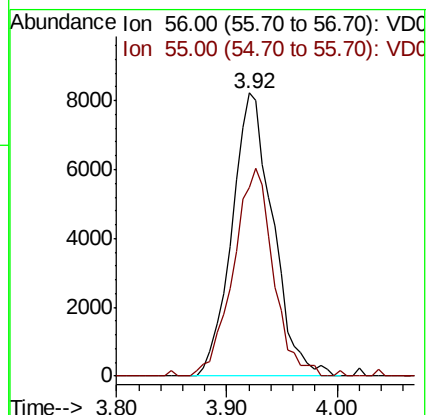
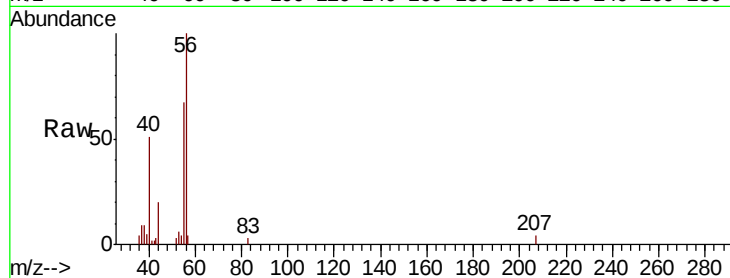
ClientSampleId :

Tot Ion: 56 Resp: 21305

Ion Ratio Lower Upper

56 100

55 71.9 58.2 87.2



#14

Allyl chloride

Concen: 21.693 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

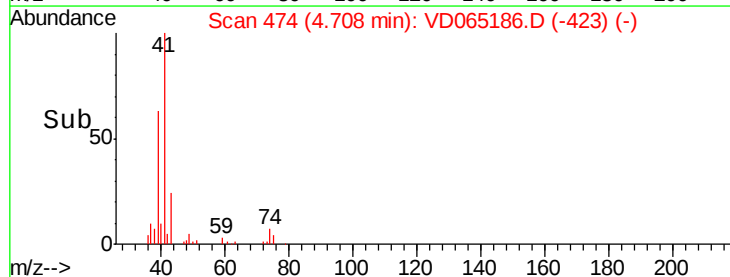
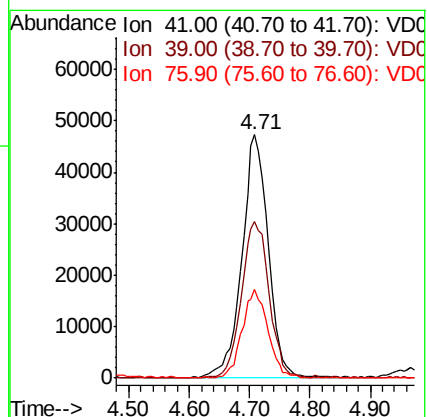
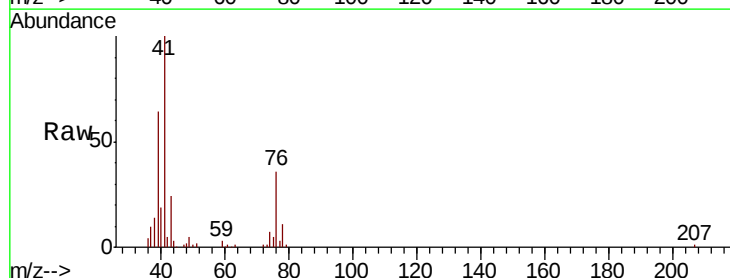
Tgt Ion: 41 Resp: 143359

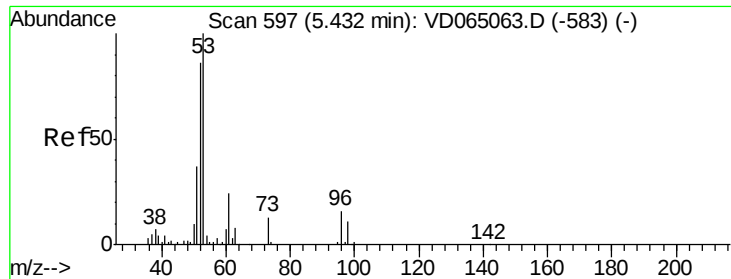
Ion Ratio Lower Upper

41 100

39 67.4 57.1 85.7

76 35.6 28.0 42.0





#15

Acrylonitrile

Concen: 106.047 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

ClientSampleId :

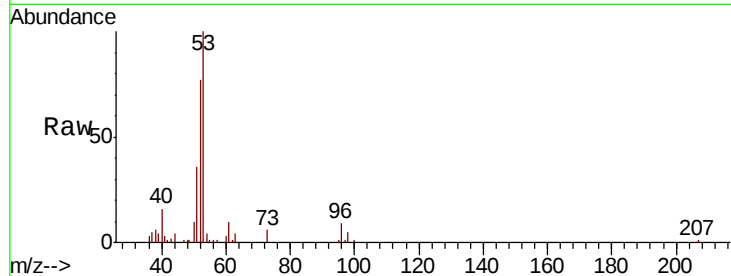
Tot Ion: 53 Resp: 90393

Ion Ratio Lower Upper

53 100

52 81.9 66.2 99.2

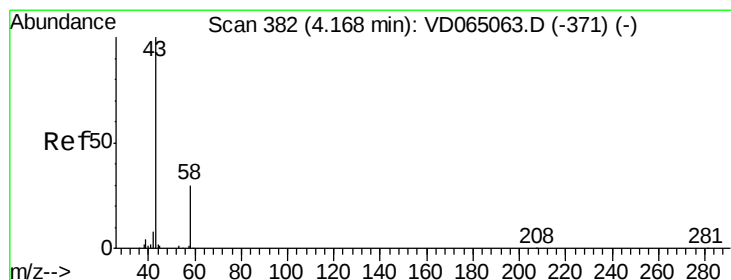
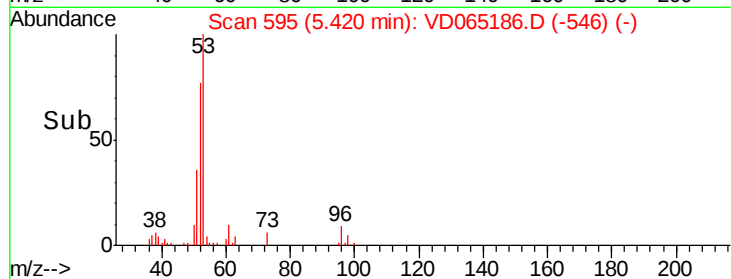
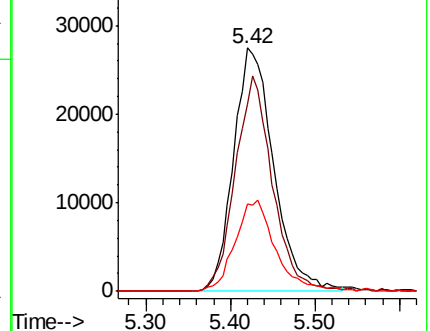
51 37.6 30.4 45.6



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 97.872 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065186.D

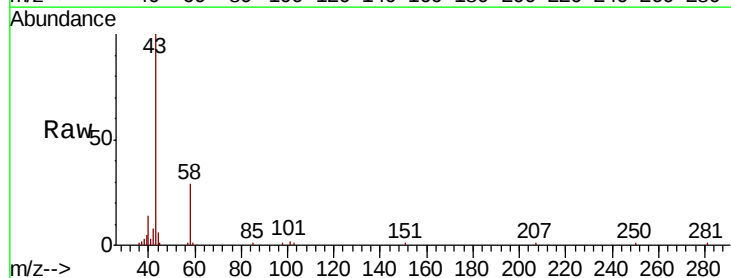
Acq: 14 Feb 2020 14:25

Tgt Ion: 43 Resp: 93684

Ion Ratio Lower Upper

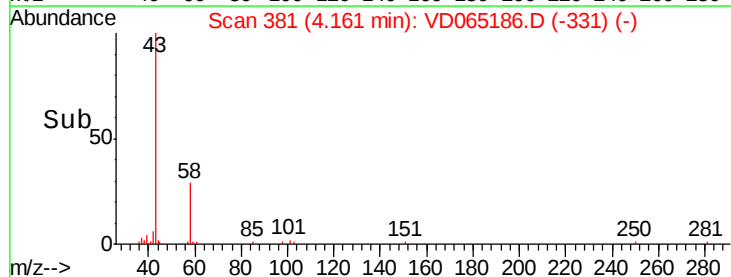
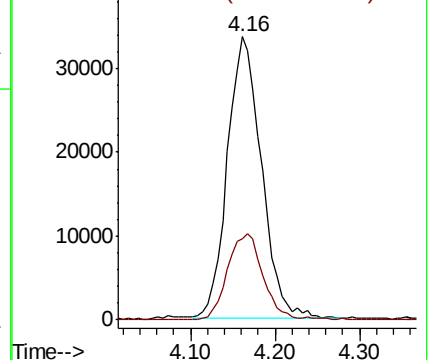
43 100

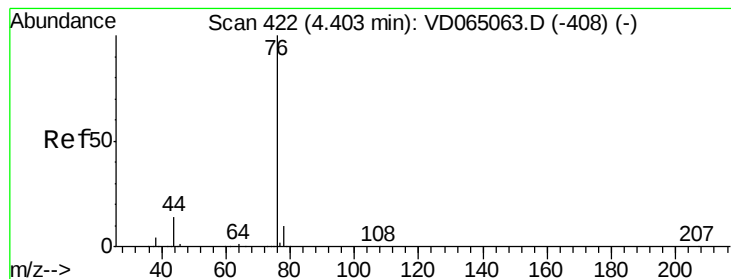
58 28.8 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 21.755 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

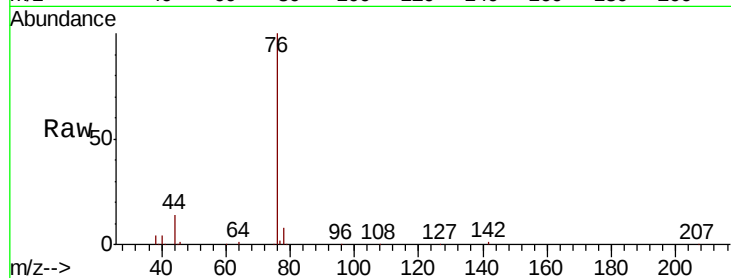
ClientSampled :

Tot Ion: 76 Resp: 277746

Ion Ratio Lower Upper

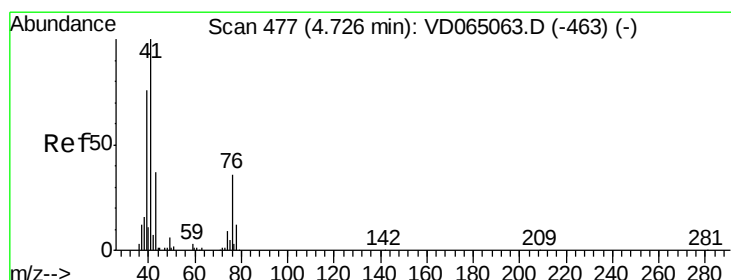
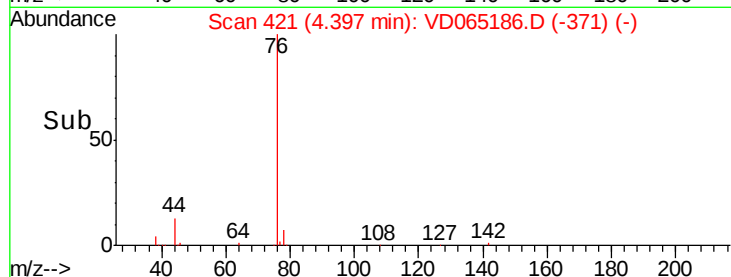
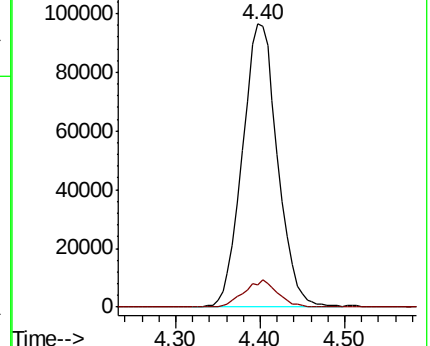
76 100

78 8.0 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 23.287 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065186.D

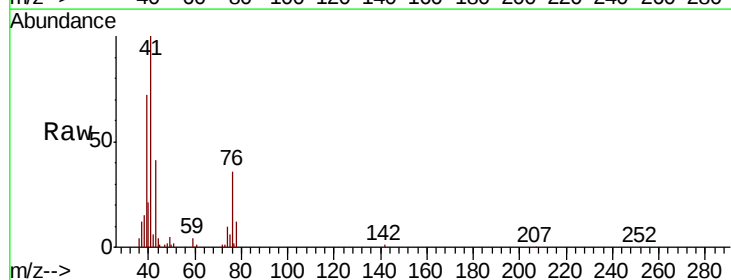
Acq: 14 Feb 2020 14:25

Tgt Ion: 43 Resp: 46571

Ion Ratio Lower Upper

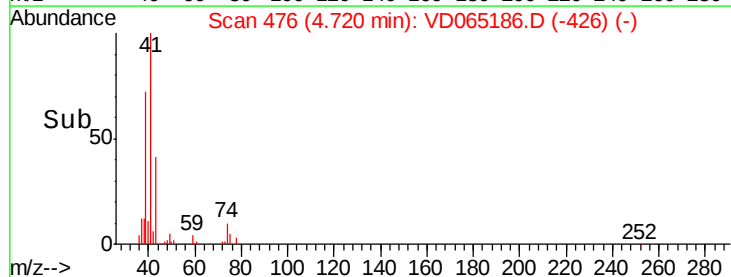
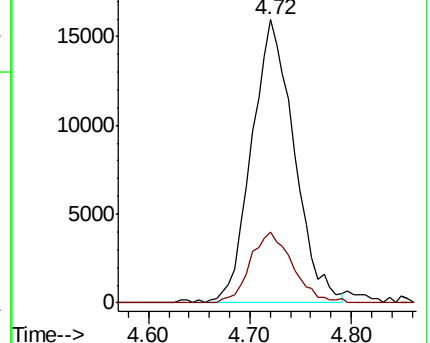
43 100

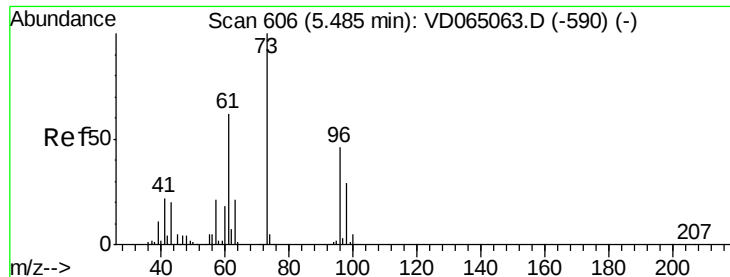
74 24.8 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

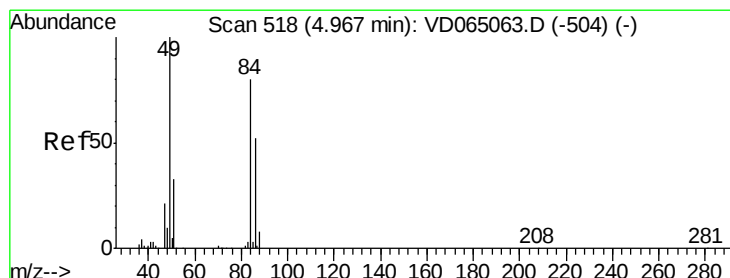
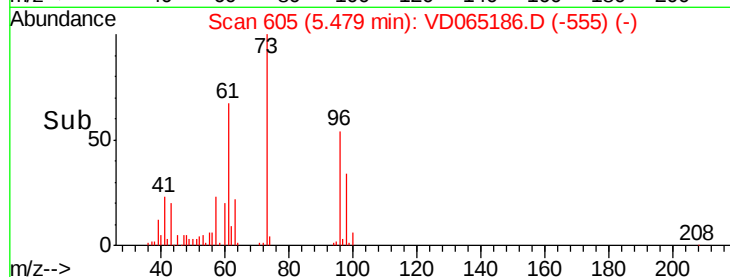
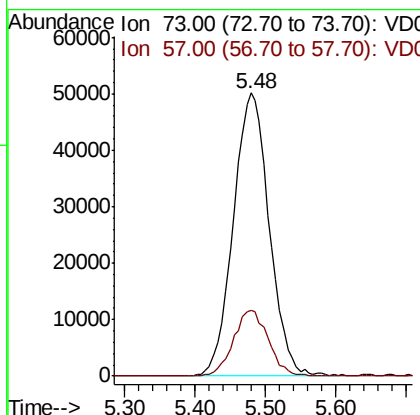
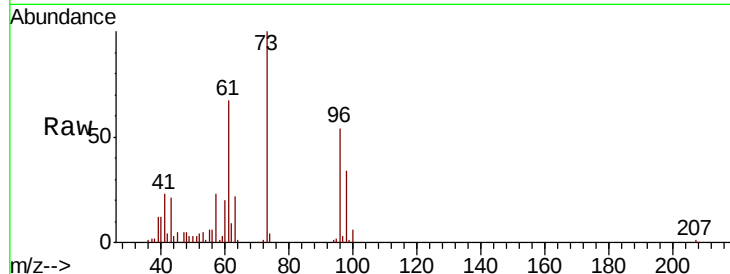




#19
Methyl tert-butyl Ether
Concen: 20.183 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

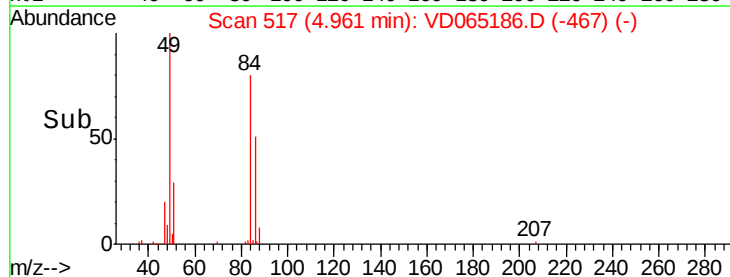
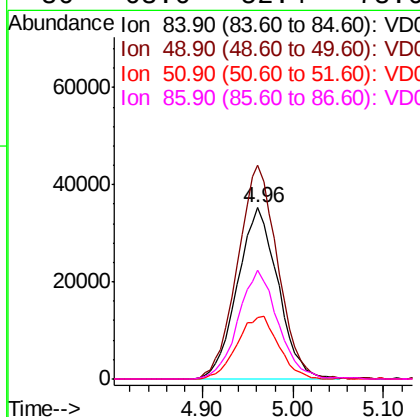
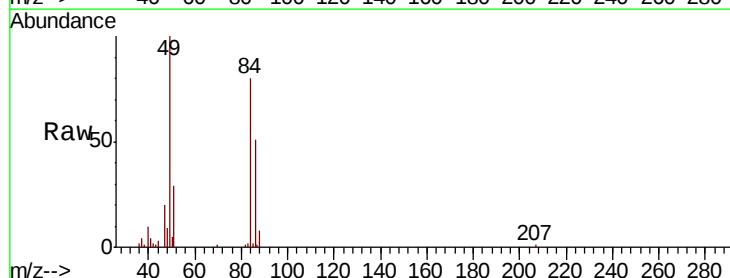
Instrument :
MSVOA_D
ClientSampled :

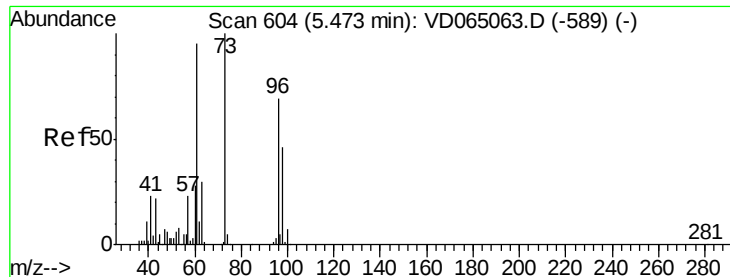
Tot Ion: 73 Resp: 177471
Ion Ratio Lower Upper
73 100
57 23.2 16.8 25.2



#20
Methylene Chloride
Concen: 23.968 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion: 84 Resp: 109666
Ion Ratio Lower Upper
84 100
49 124.9 100.4 150.6
51 36.1 32.7 49.1
86 63.6 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 21.850 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

ClientSampleId :

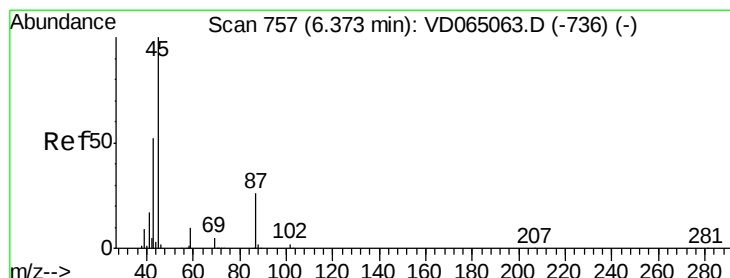
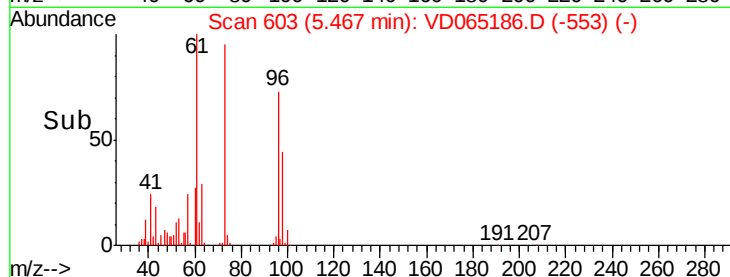
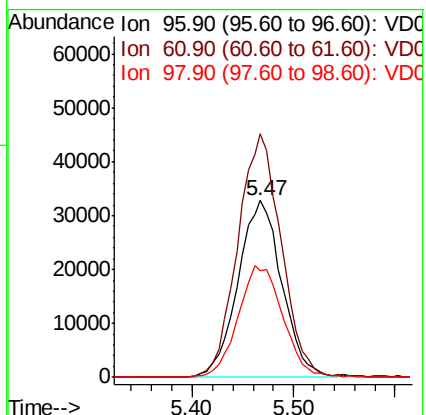
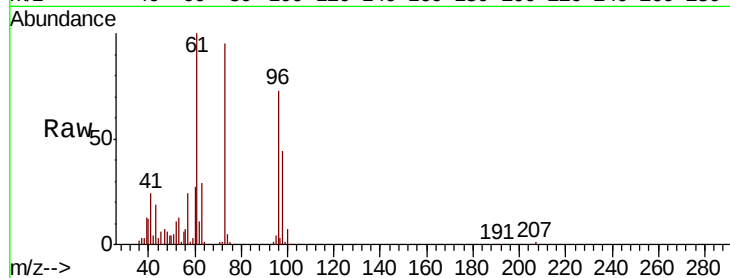
Tot Ion: 96 Resp: 98300

Ion Ratio Lower Upper

96 100

61 137.7 109.5 164.3

98 60.2 53.7 80.5



#22

Diisopropyl ether

Concen: 22.043 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Tgt Ion: 45 Resp: 274775

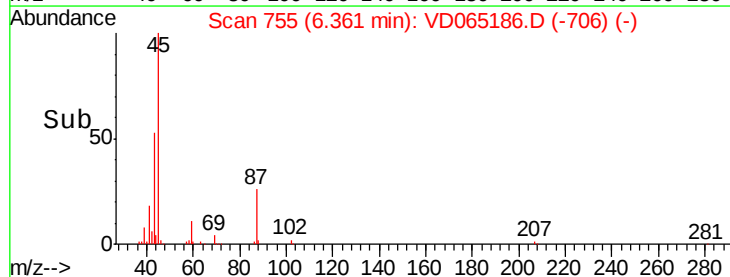
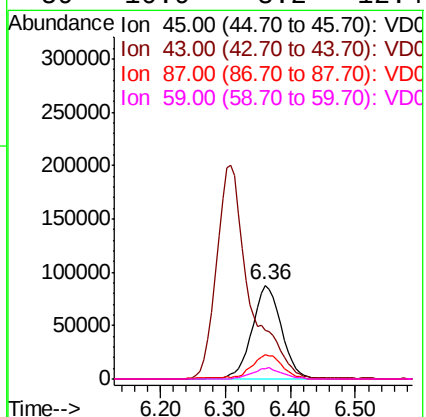
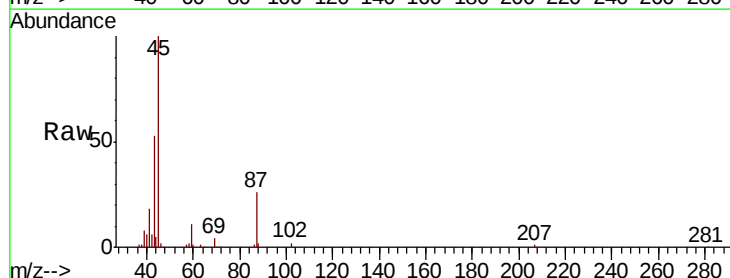
Ion Ratio Lower Upper

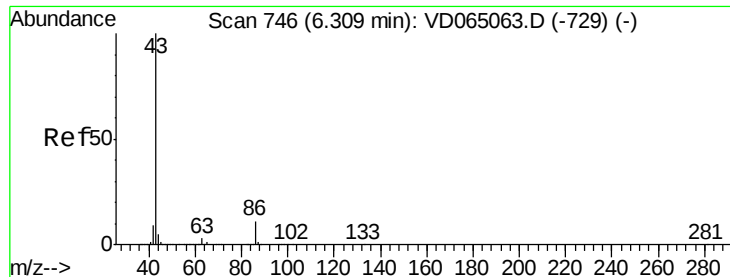
45 100

43 52.2 41.3 61.9

87 25.6 21.0 31.6

59 10.9 8.2 12.4

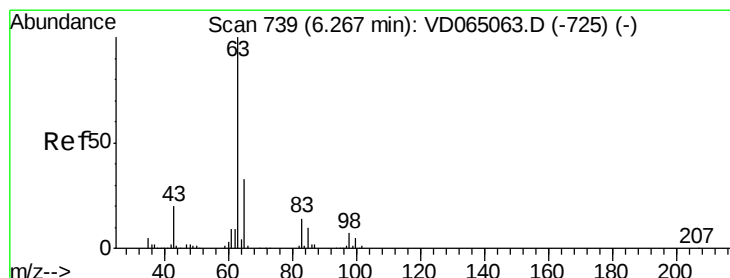
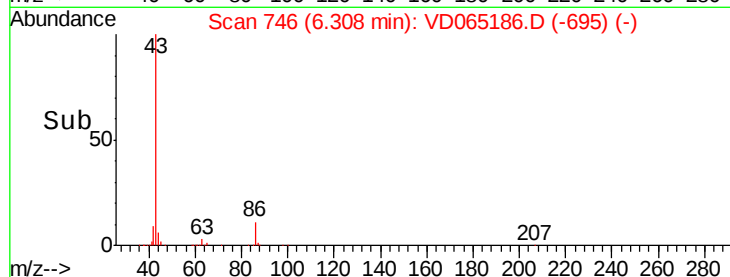
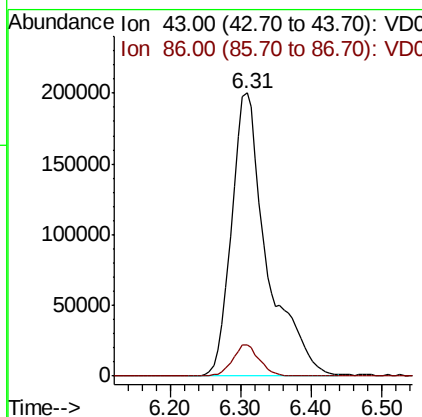
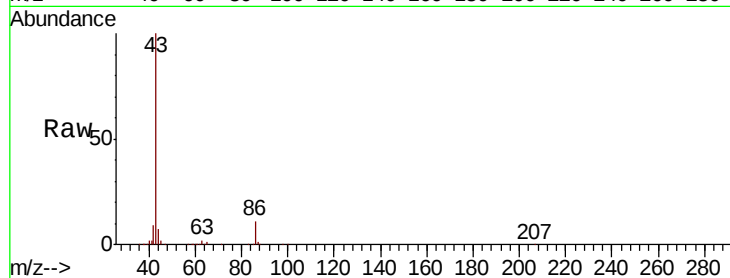




#23
 Vinyl Acetate
 Concen: 100.396 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

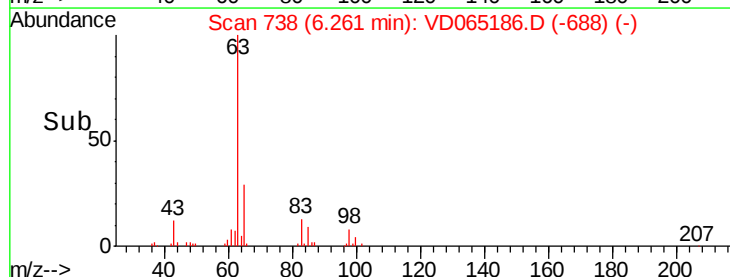
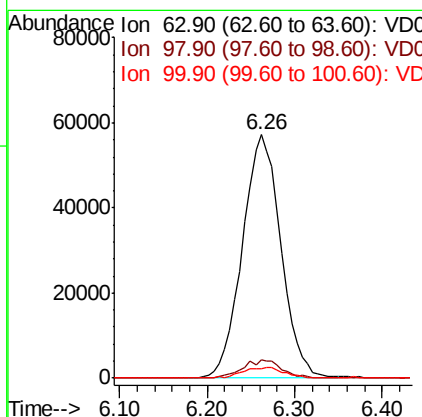
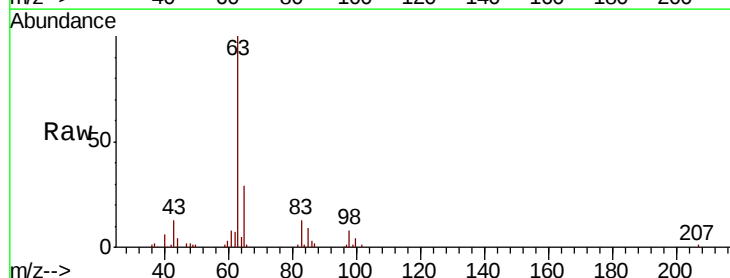
Instrument :
 MSVOA_D
 ClientSampleId :

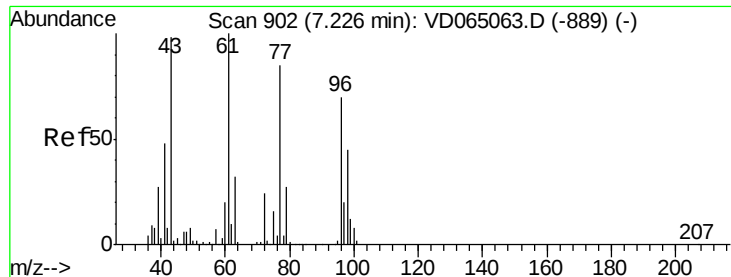
Tot Ion: 43 Resp: 697545
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.5 12.7



#24
 1,1-Dichloroethane
 Concen: 22.696 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Tgt Ion: 63 Resp: 171241
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.5 10.4
 100 3.9 2.5 7.6

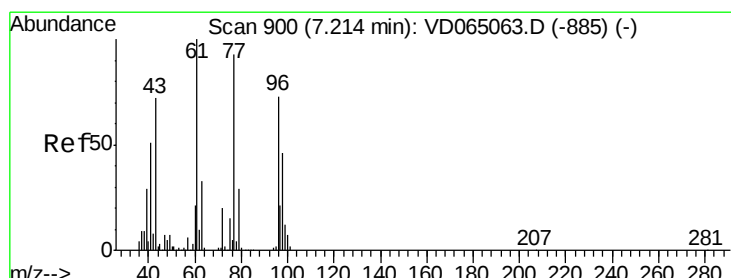
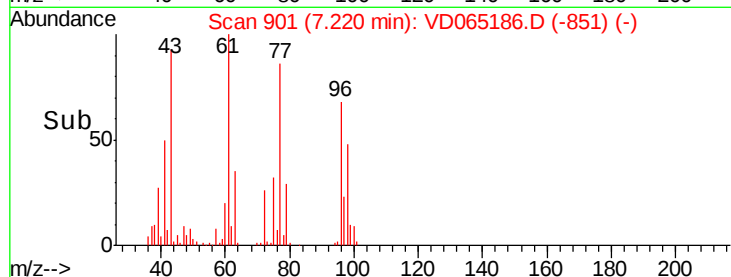
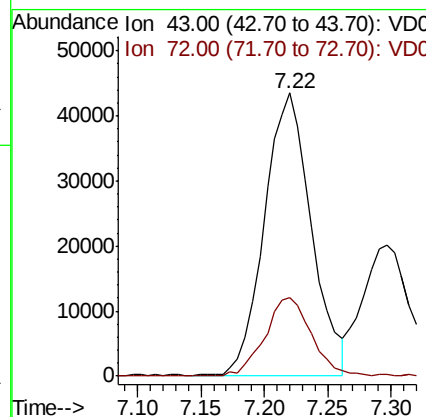
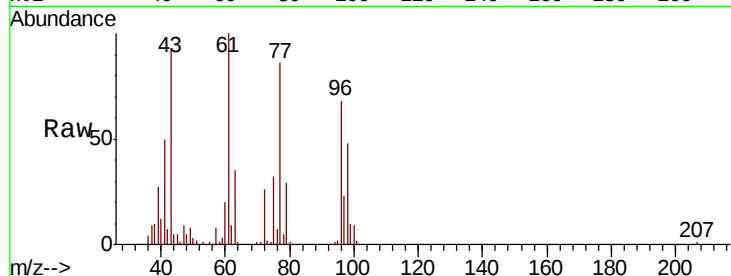




#25
2-Butanone
Concen: 98.588 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

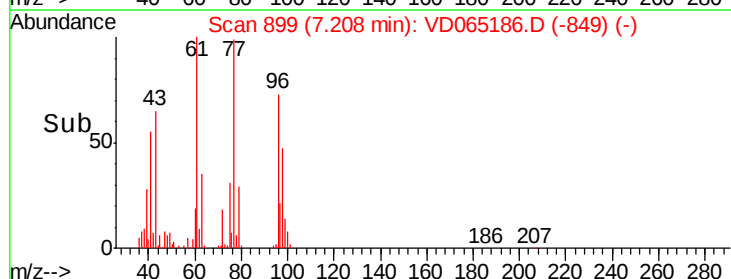
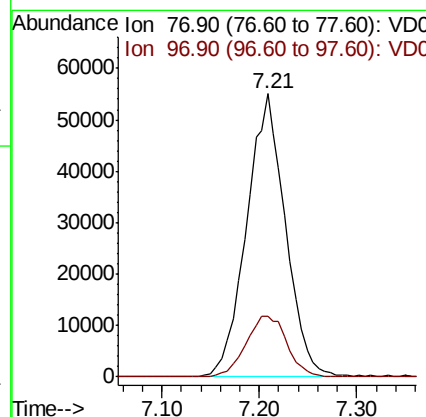
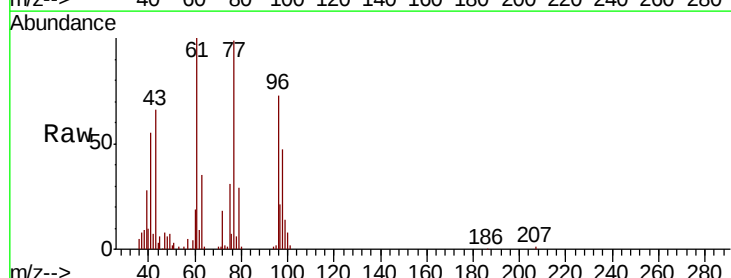
Instrument :
MSVOA_D
ClientSampled :

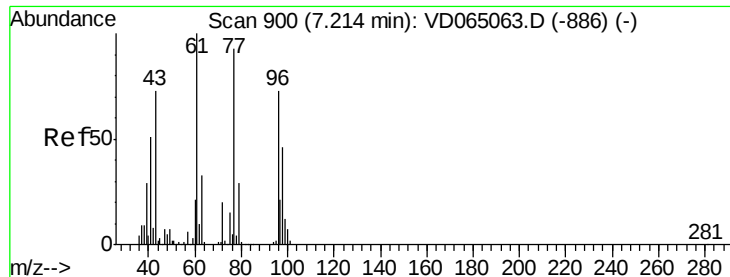
Tot Ion: 43 Resp: 112569
Ion Ratio Lower Upper
43 100
72 27.7 19.9 29.9



#26
2,2-Dichloropropane
Concen: 22.646 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion: 77 Resp: 153154
Ion Ratio Lower Upper
77 100
97 22.8 10.9 32.6



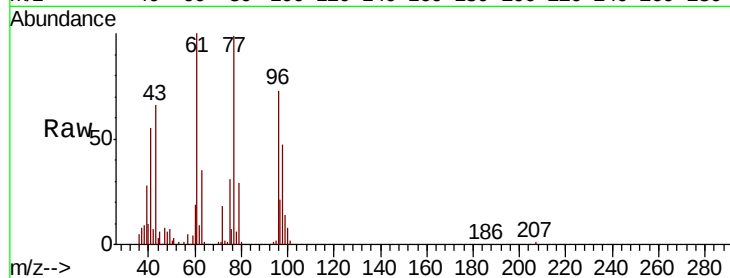


#27

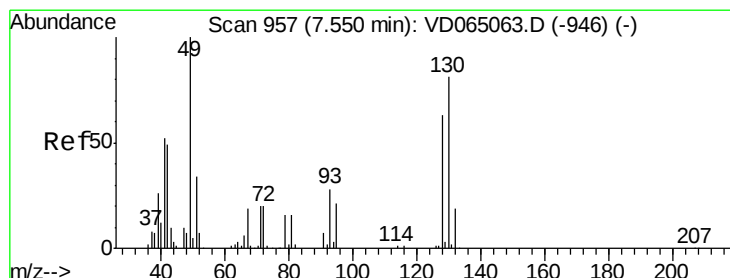
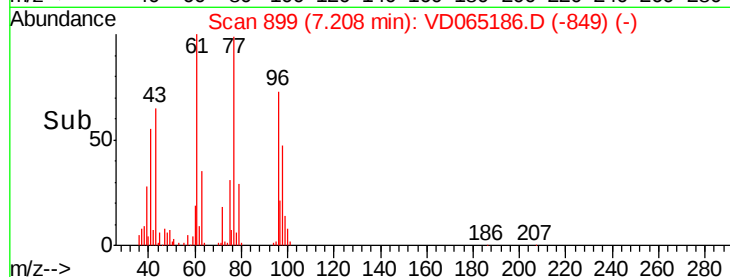
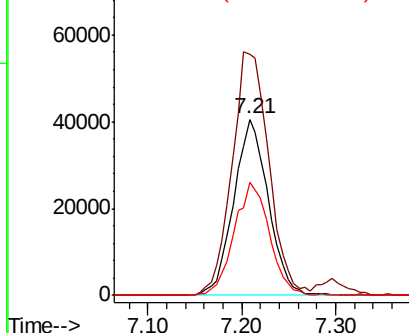
cis-1,2-Dichloroethene
 Concen: 21.661 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.6	0.0	292.8
98	65.0	0.0	128.8



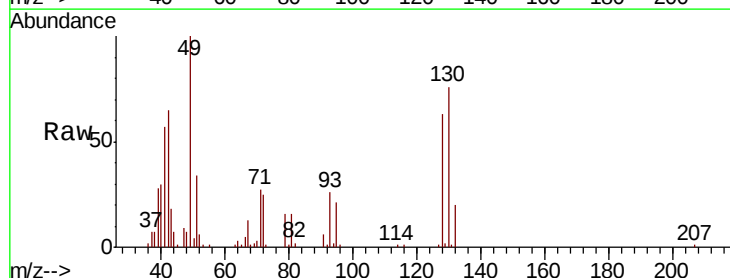
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



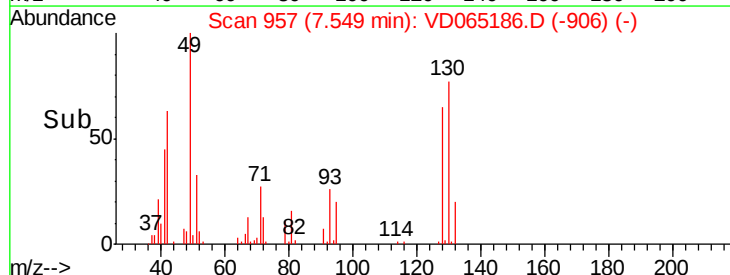
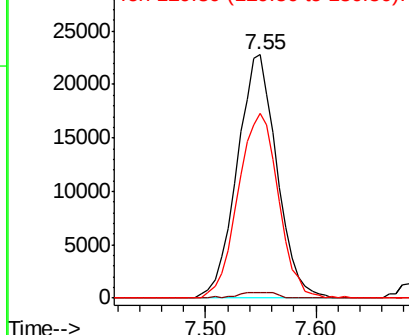
#28

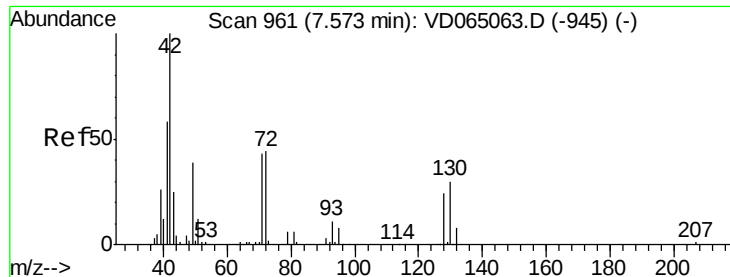
Bromochloromethane
 Concen: 20.145 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	76.9	63.8	95.8



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

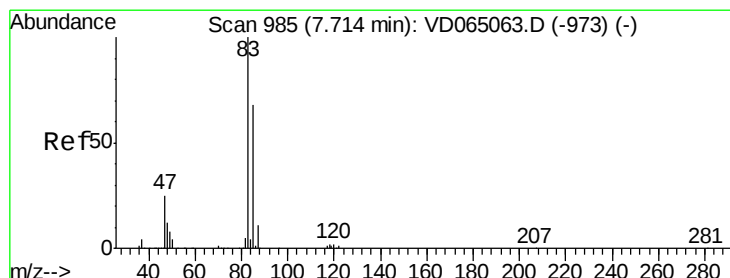
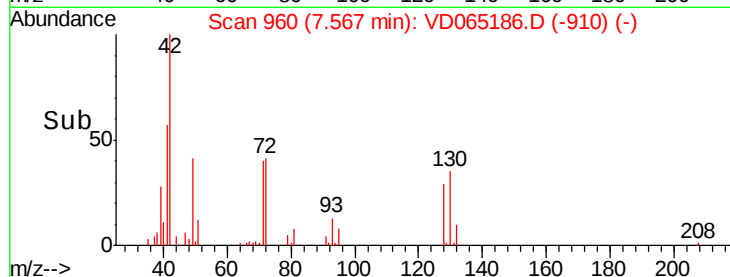
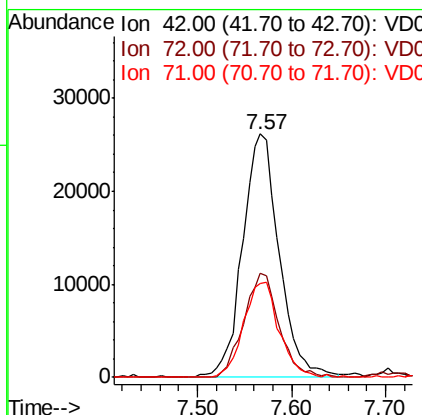
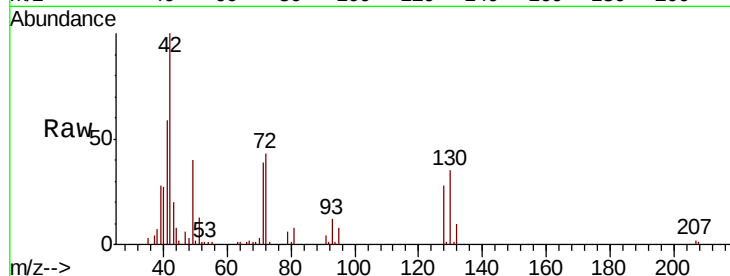




#29
Tetrahydrofuran
Concen: 102.342 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

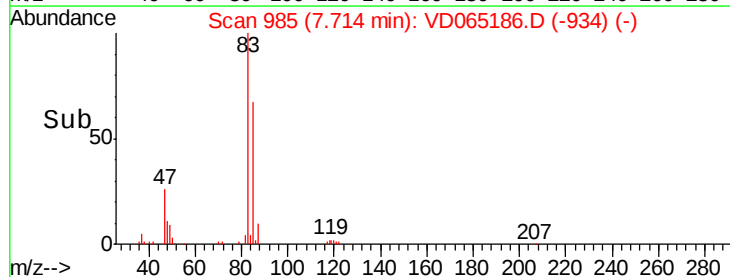
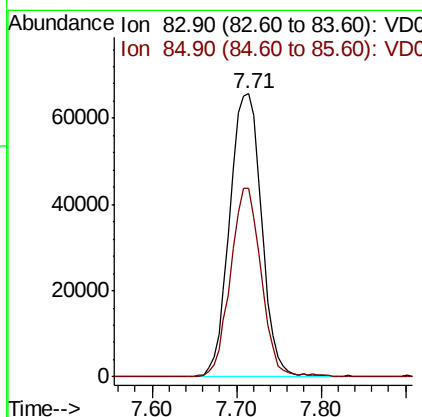
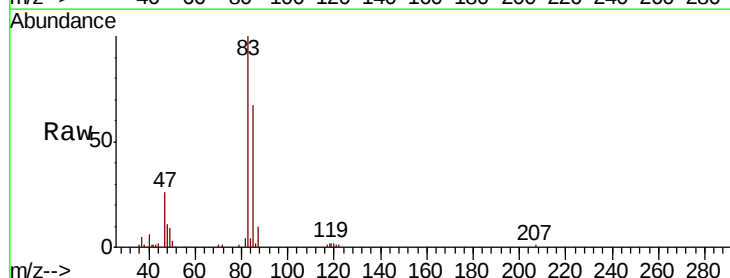
Instrument :
MSVOA_D
ClientSampleId :

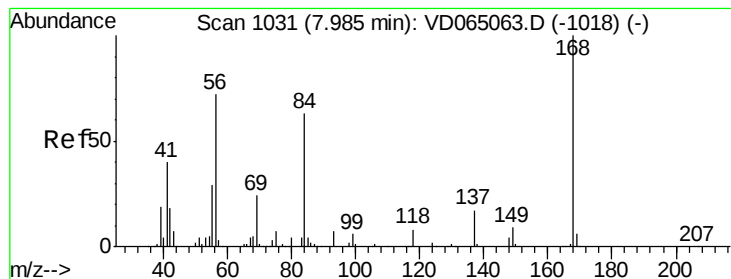
Tot Ion: 42 Resp: 70666
Ion Ratio Lower Upper
42 100
72 41.0 34.2 51.4
71 37.8 31.8 47.6



#30
Chloroform
Concen: 22.818 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion: 83 Resp: 171426
Ion Ratio Lower Upper
83 100
85 66.6 54.2 81.4





#31

Cyclohexane

Concen: 21.169 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampled :

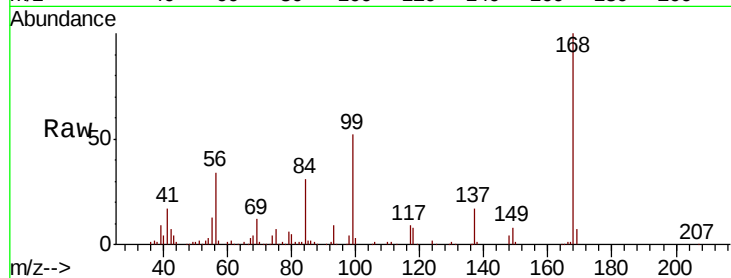
Tot Ion: 56 Resp: 161232

Ion Ratio Lower Upper

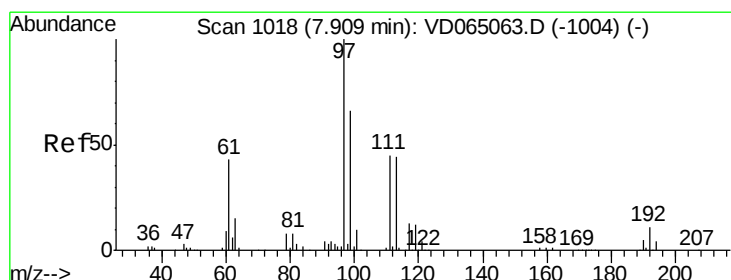
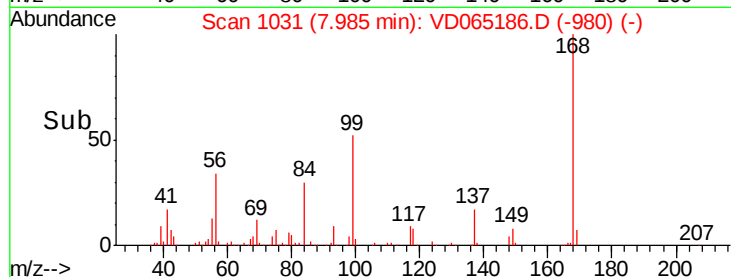
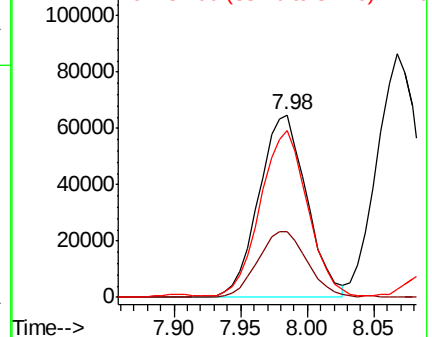
56 100

69 36.2 26.6 40.0

84 90.0 70.6 106.0



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: 22.559 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

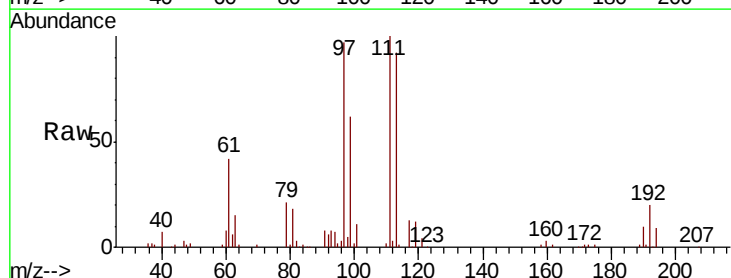
Tgt Ion: 97 Resp: 157870

Ion Ratio Lower Upper

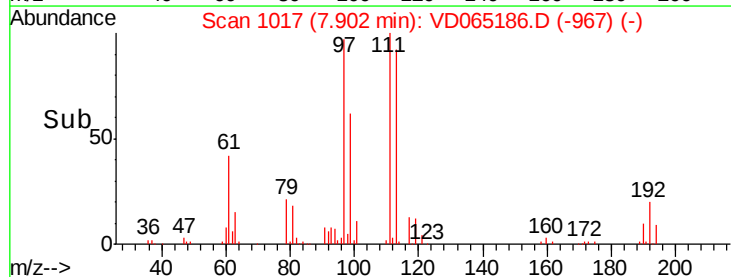
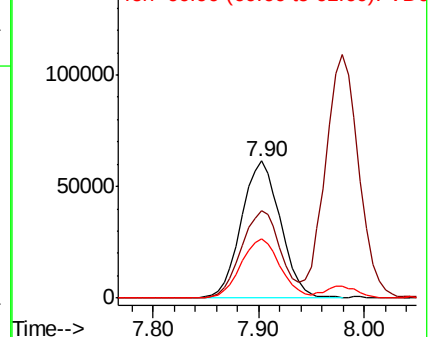
97 100

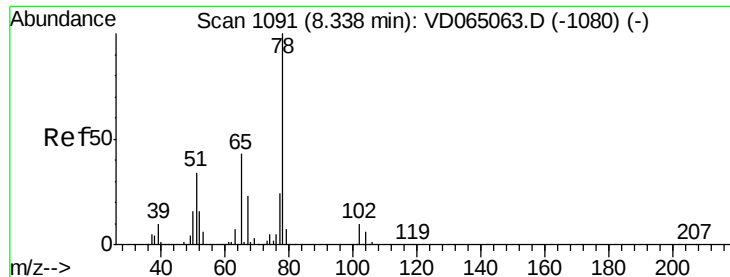
99 63.8 51.5 77.3

61 43.3 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: 55.041 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

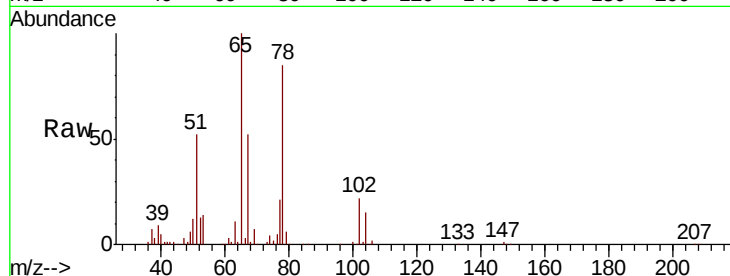
ClientSampleId :

Tot Ion: 65 Resp: 210727

Ion Ratio Lower Upper

65 100

67 53.1 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

60000

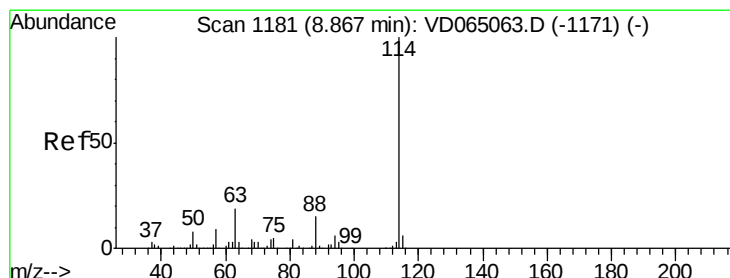
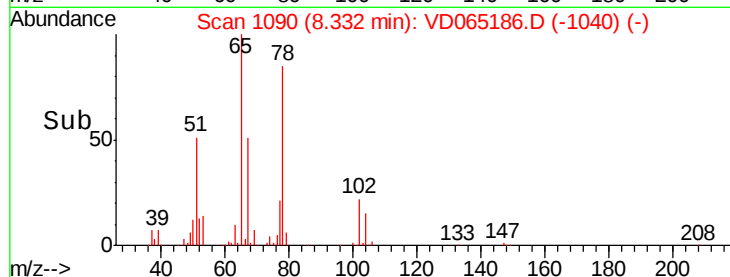
40000

20000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

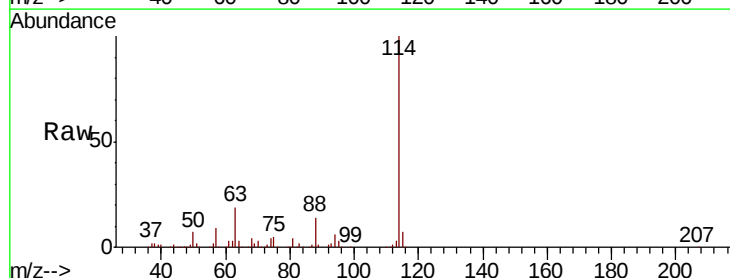
Tgt Ion: 114 Resp: 678064

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.8

88 14.2 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

300000

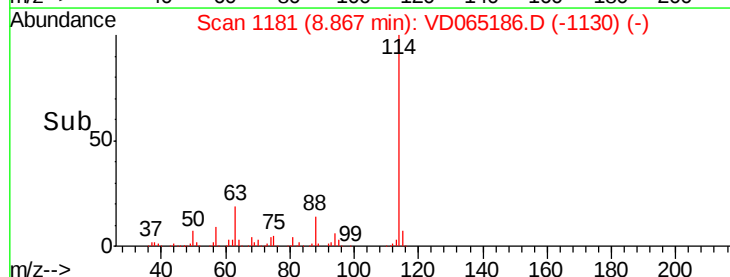
200000

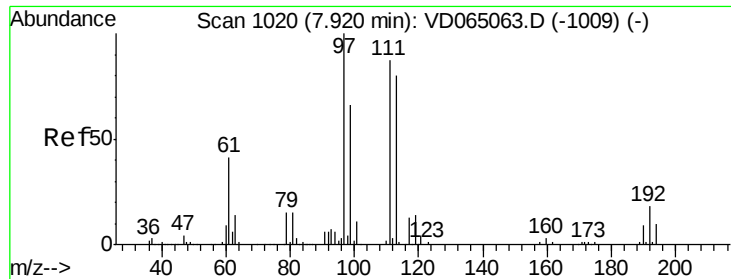
100000

0

8.80 8.90 9.00

Time-->





#35

Dibromofluoromethane

Concen: 56.892 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampleId :

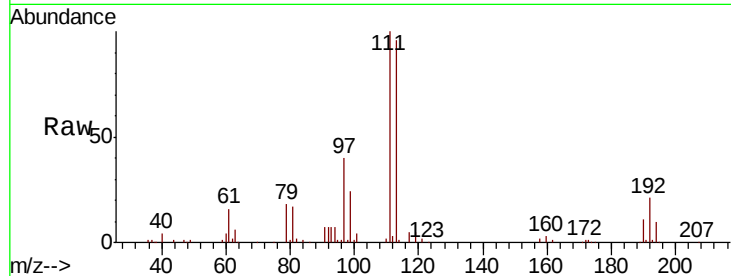
Tot Ion:113 Resp: 215233

Ion Ratio Lower Upper

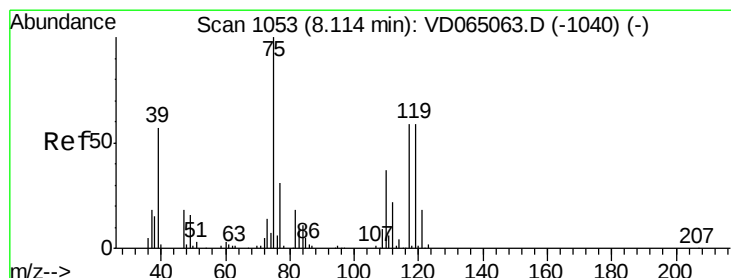
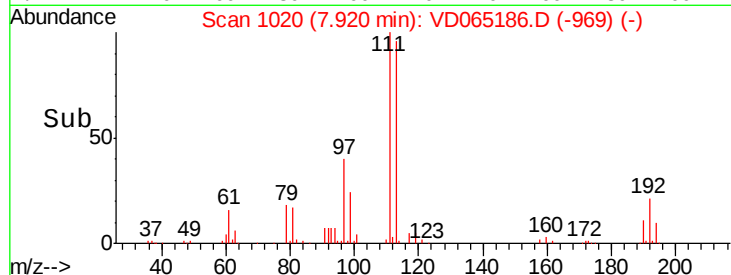
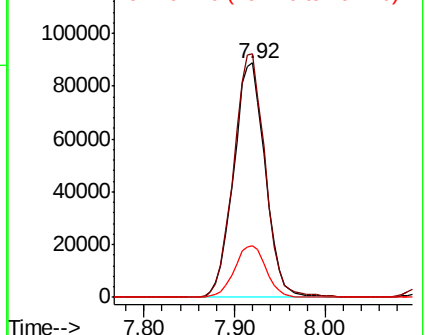
113 100

111 103.4 83.1 124.7

192 22.1 18.1 27.1



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: 21.599 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

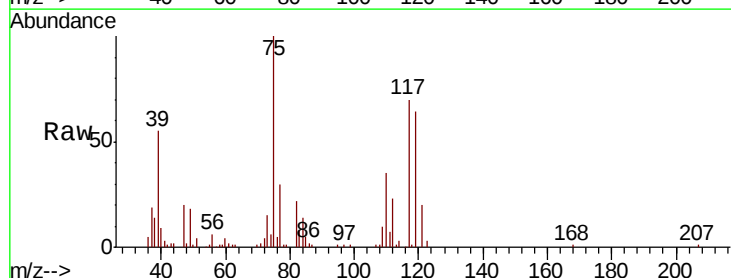
Tgt Ion: 75 Resp: 136181

Ion Ratio Lower Upper

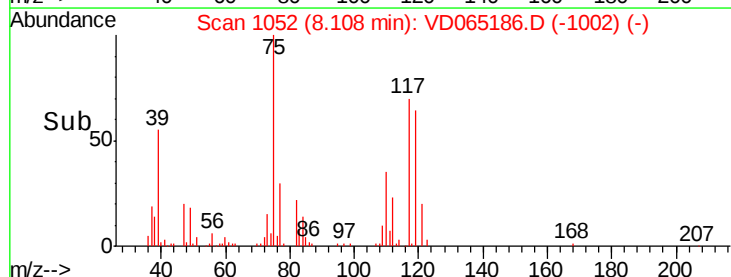
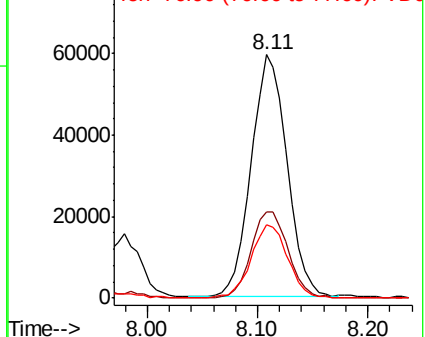
75 100

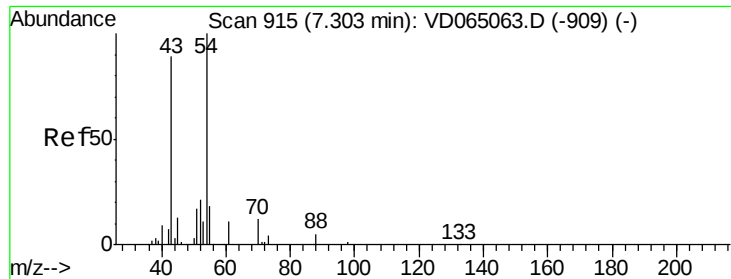
110 36.8 18.1 54.3

77 31.1 24.7 37.1



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

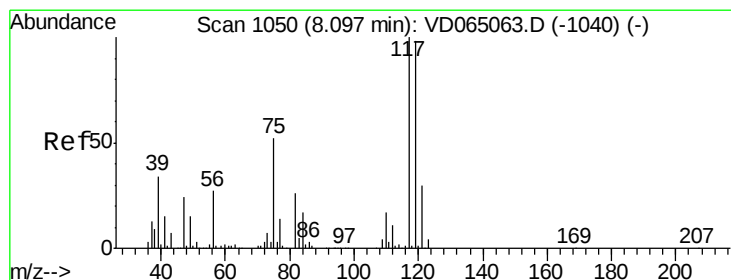
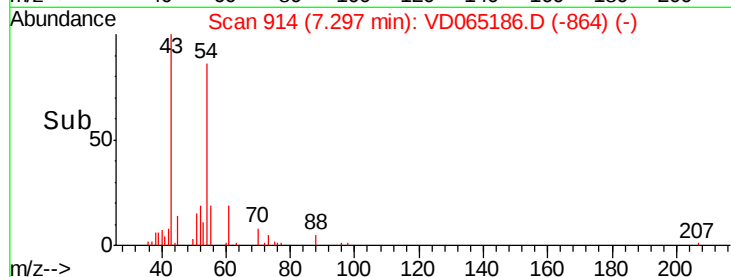
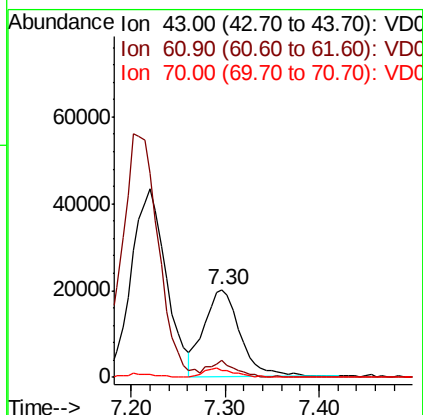
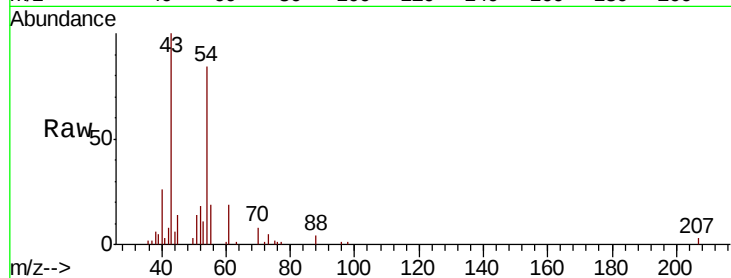




#37
Ethyl Acetate
Concen: 21.013 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

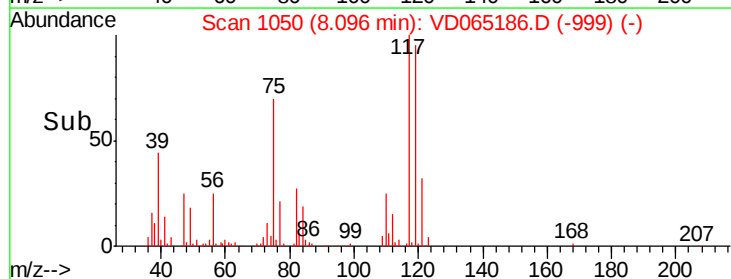
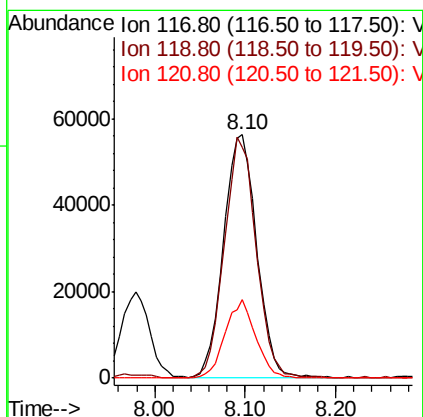
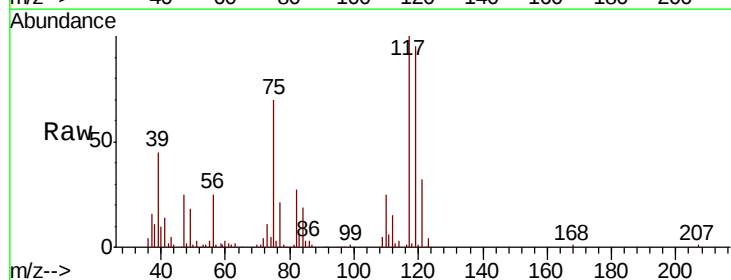
Instrument :
MSVOA_D
ClientSampleId :

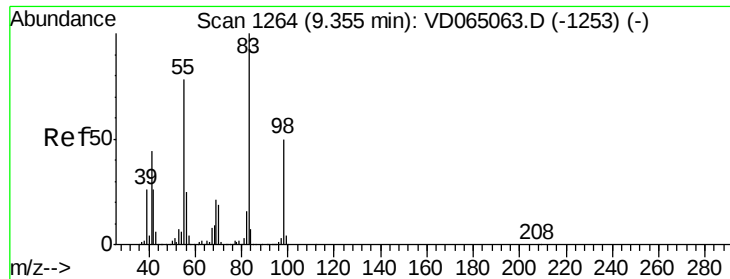
Tot Ion: 43 Resp: 54126
Ion Ratio Lower Upper
43 100
61 12.7 11.0 16.4
70 9.1 8.2 12.2



#38
Carbon Tetrachloride
Concen: 22.285 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion: 117 Resp: 143503
Ion Ratio Lower Upper
117 100
119 94.7 78.5 117.7
121 32.1 23.8 35.6

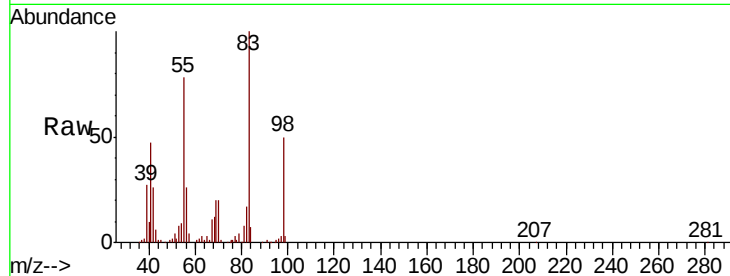




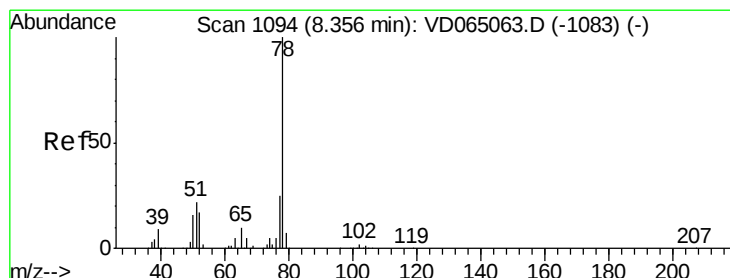
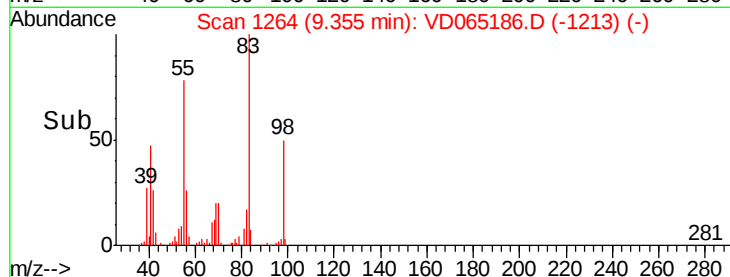
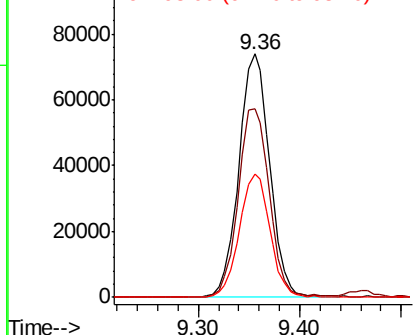
#39
Methvlcvclohexane
Concen: 20.043 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 155980
Ion Ratio Lower Upper
83 100
55 77.6 62.0 93.0
98 50.4 39.9 59.9

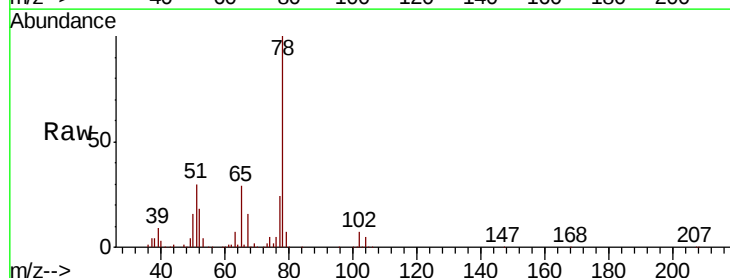


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

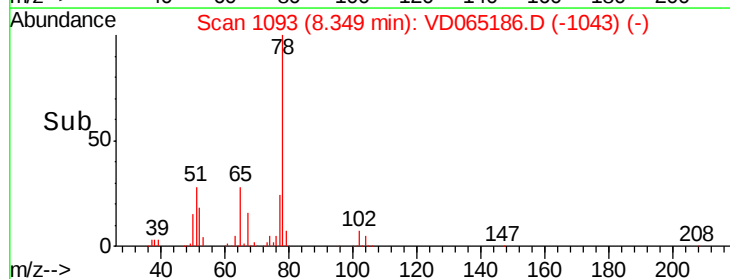
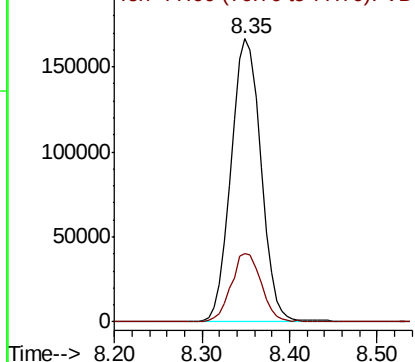


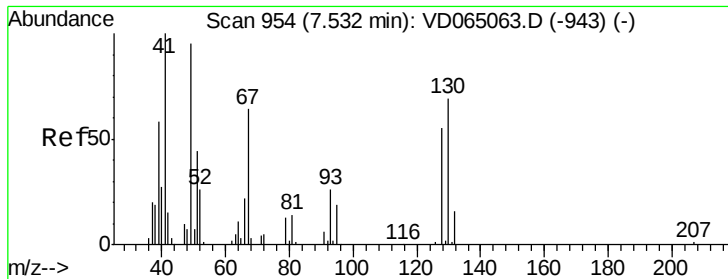
#40
Benzene
Concen: 22.260 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion: 78 Resp: 387563
Ion Ratio Lower Upper
78 100
77 24.0 19.6 29.4



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC

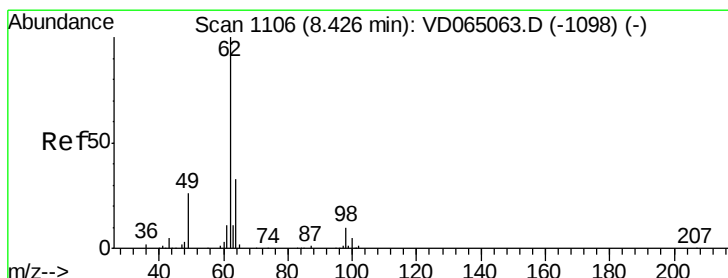
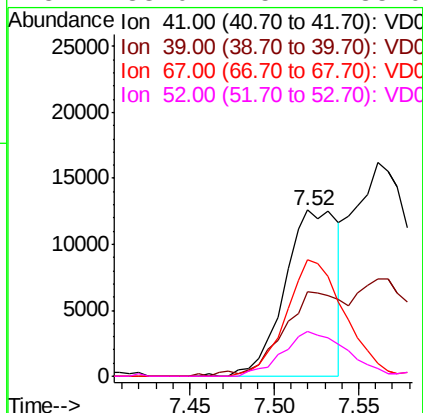
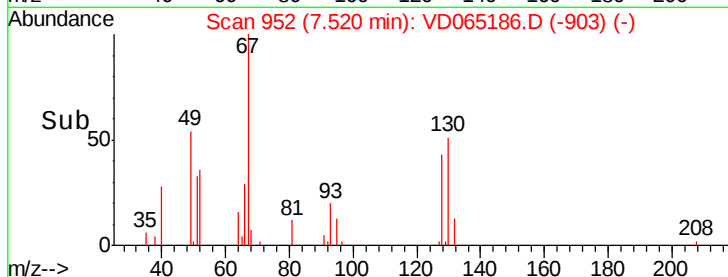
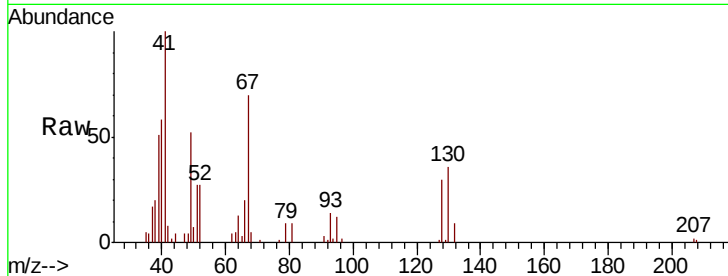




#41
Methacrylonitrile
Concen: 19.363 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

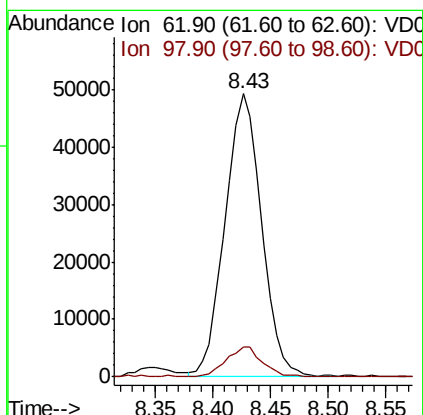
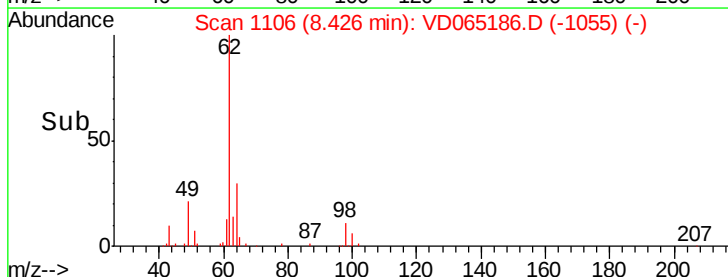
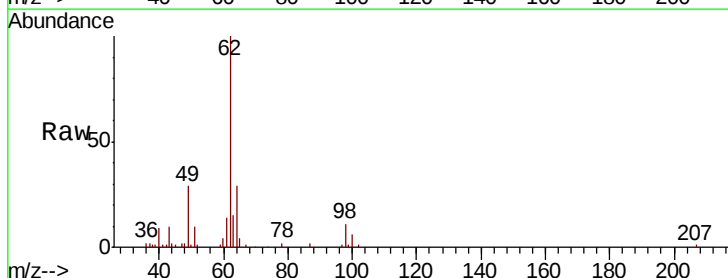
Instrument :
MSVOA_D
ClientSampleID :

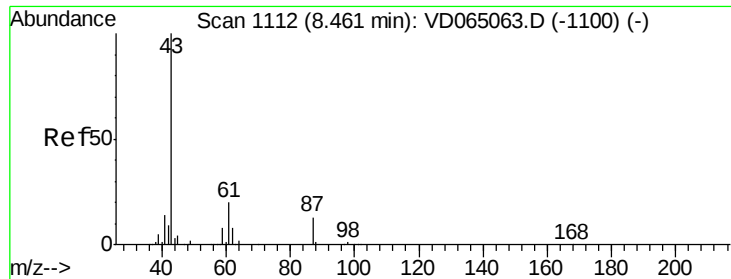
Tot Ion:	41	Resp:	27477
Ion	Ratio	Lower	Upper
41	100		
39	59.1	55.4	83.0
67	77.4	59.0	88.6
52	33.0	25.4	38.0



#42
1,2-Dichloroethane
Concen: 21.667 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion:	62	Resp:	107490
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	18.6



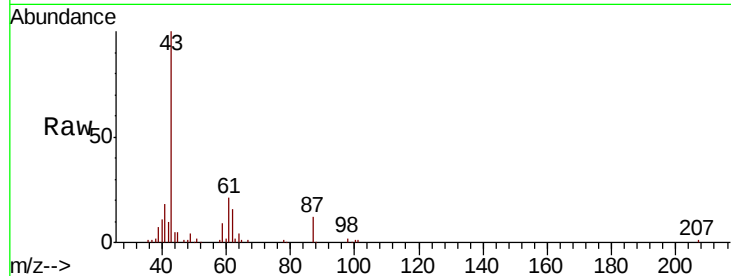


#43

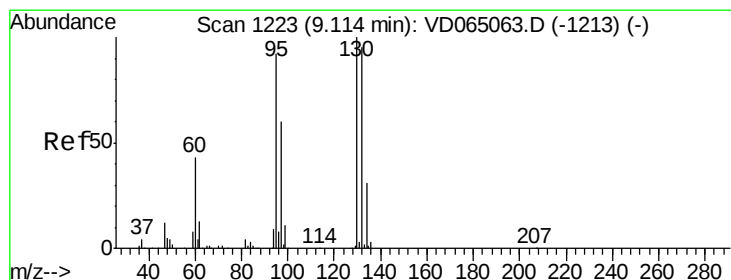
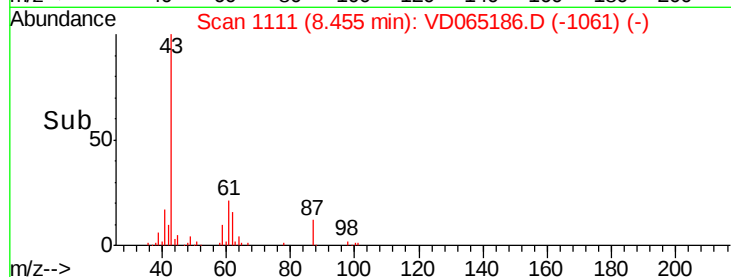
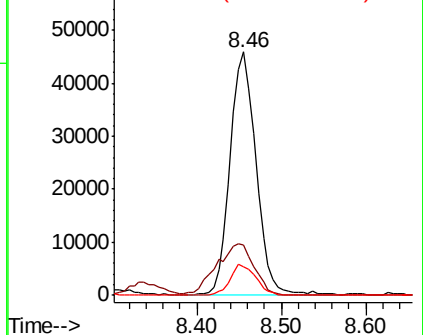
Isopropyl Acetate
 Concen: 19.883 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. -0.01 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	43	Resp	97968
Ion Ratio	Lower	Upper	
43	100		
61	31.2	24.0	36.0
87	12.3	10.2	15.4



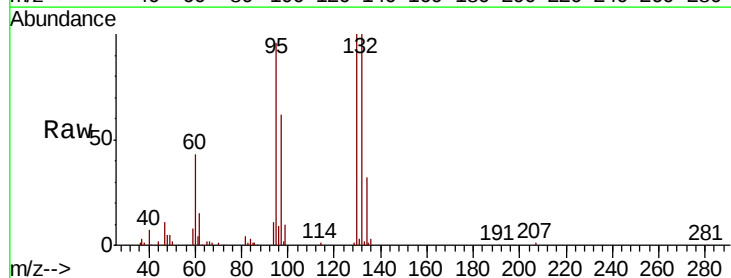
Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 61.00 (60.70 to 61.70): VDC
 Ion 87.00 (86.70 to 87.70): VDC



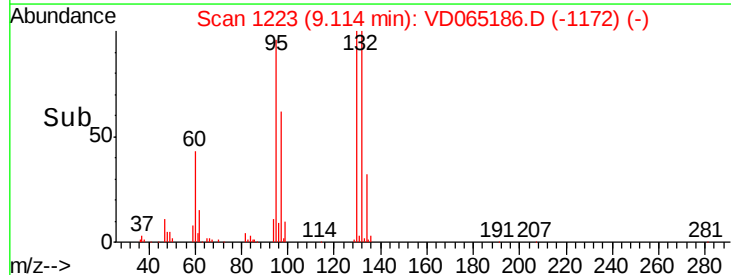
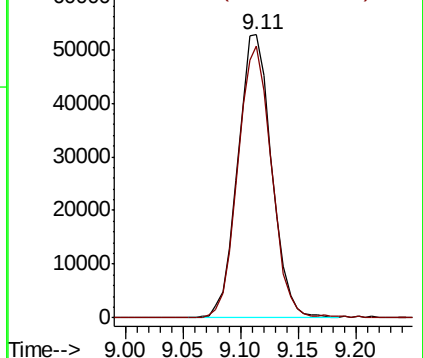
#44

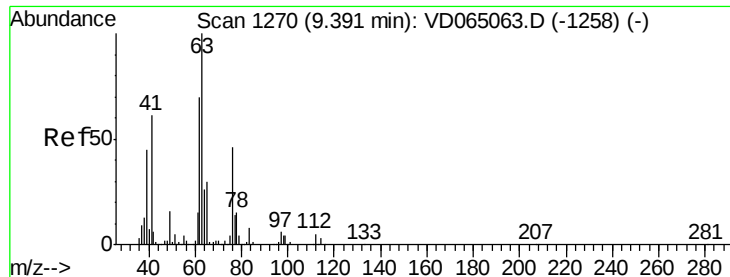
Trichloroethene
 Concen: 21.507 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. -0.00 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Tgt Ion	130	Resp	107485
Ion Ratio	Lower	Upper	
130	100		
95	96.2	0.0	185.0



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

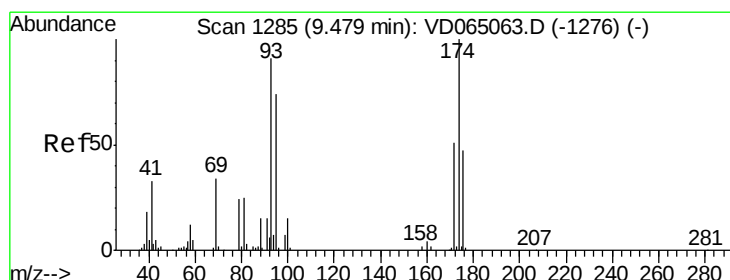
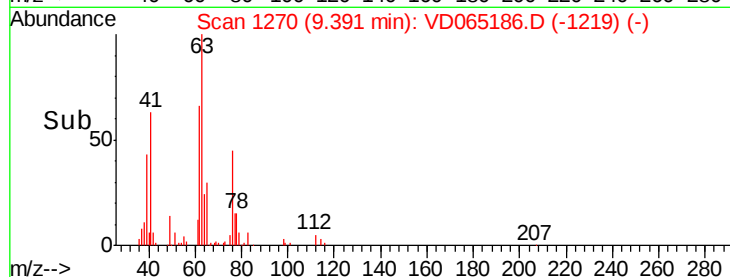
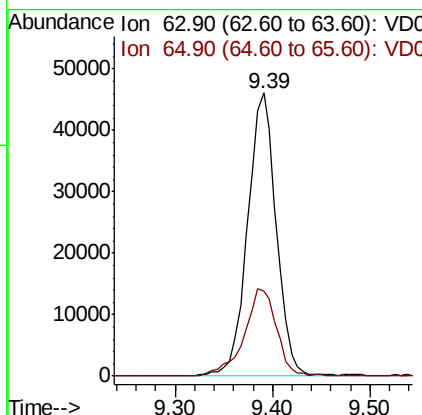
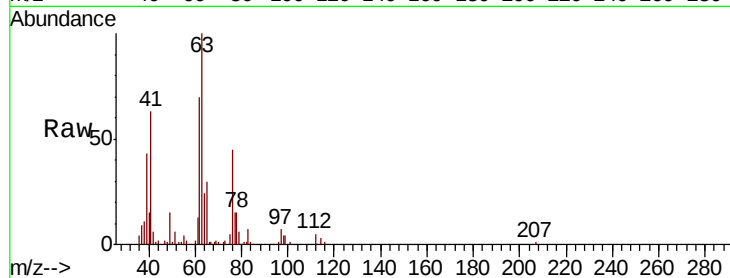




#45
 1,2-Dichloropropane
 Concen: 22.797 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

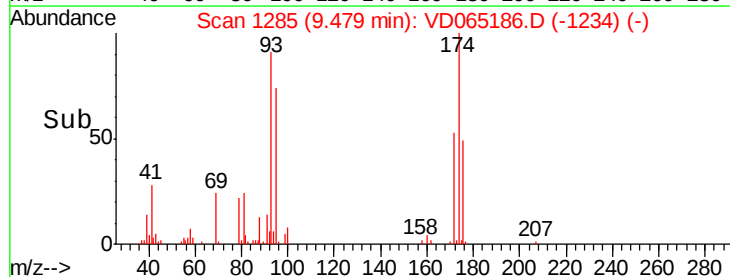
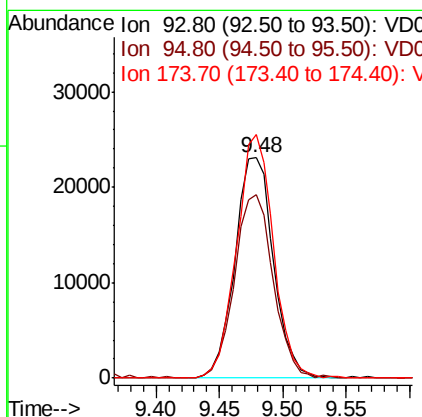
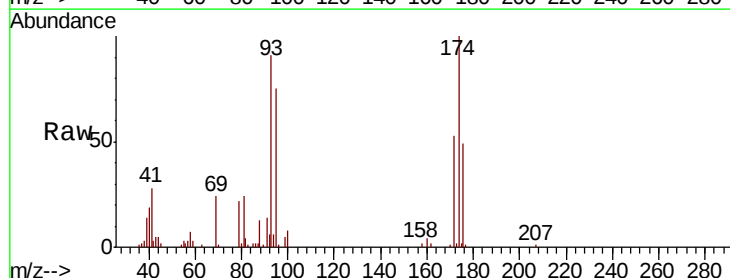
Instrument :
 MSVOA_D
 ClientSampled :

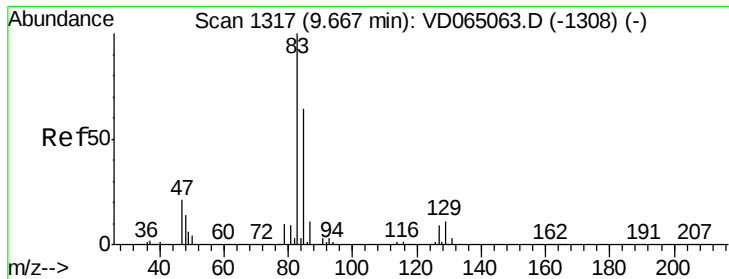
Tot Ion: 63 Resp: 95167
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.9 35.9



#46
 Dibromomethane
 Concen: 22.200 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Tgt Ion: 93 Resp: 48697
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.5 99.7
 174 105.5 89.8 134.8





#47

Bromodichloromethane

Concen: 22.307 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

ClientSampled :

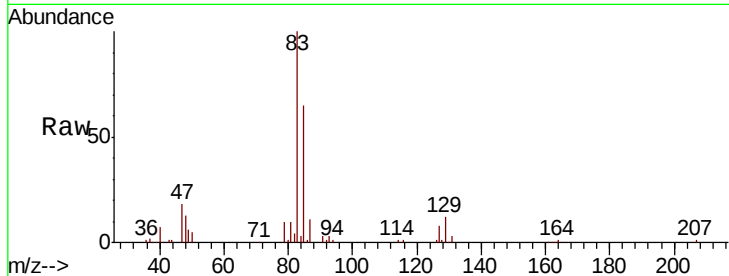
Tot Ion: 83 Resp: 128932

Ion Ratio Lower Upper

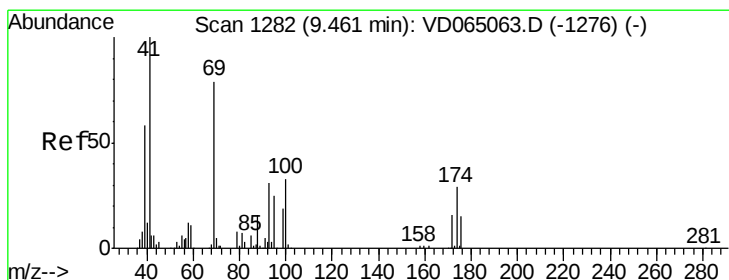
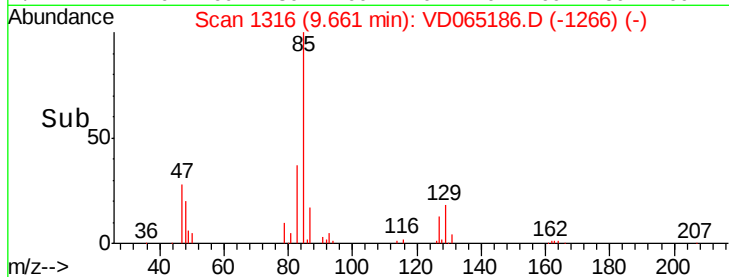
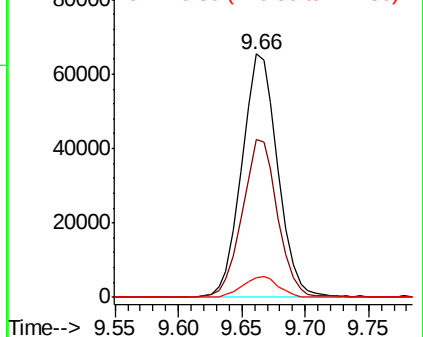
83 100

85 65.0 51.0 76.6

127 8.3 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 19.194 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

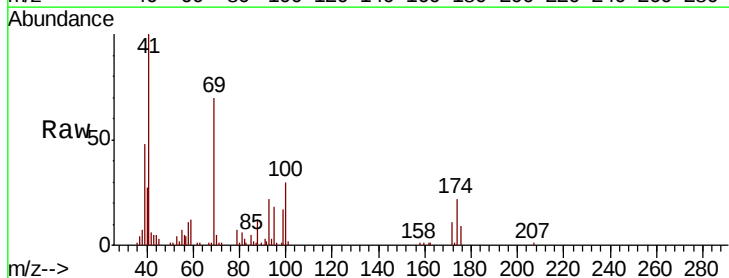
Tgt Ion: 41 Resp: 45509

Ion Ratio Lower Upper

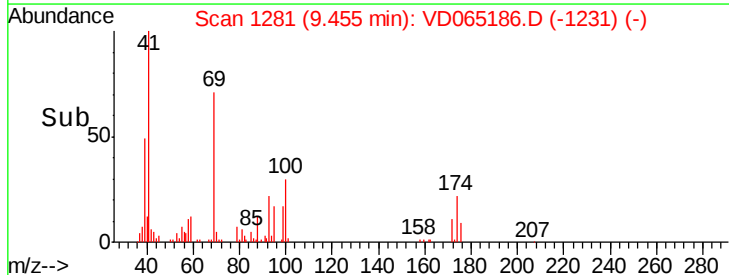
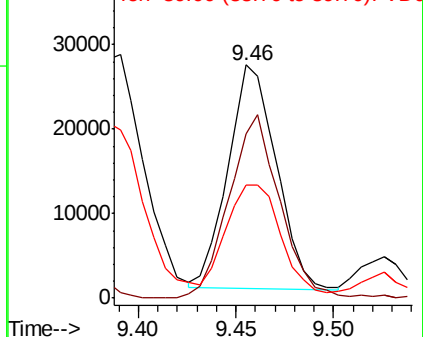
41 100

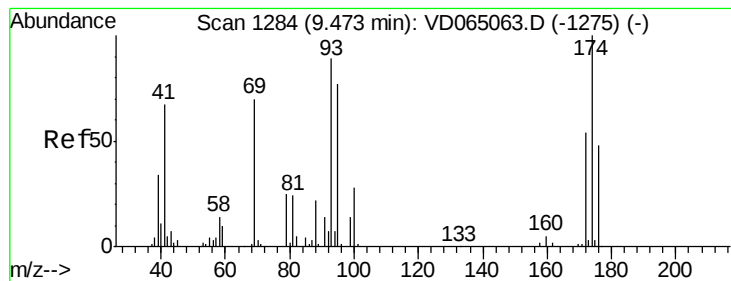
69 86.6 67.5 101.3

39 52.6 47.0 70.4



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





#49

1,4-Dioxane

Concen: 410.985 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampled :

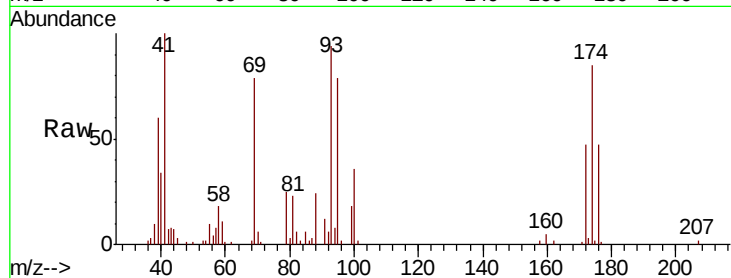
Tot Ion: 88 Resp: 10678

Ion Ratio Lower Upper

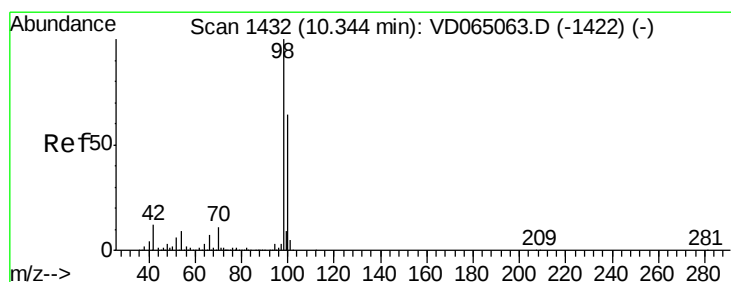
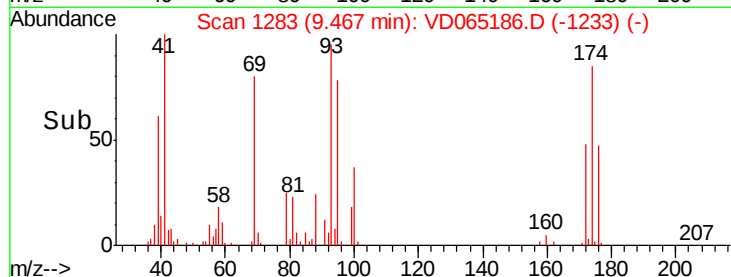
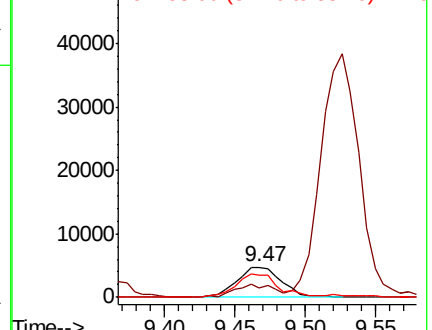
88 100

43 37.3 27.7 41.5

58 74.1 55.5 83.3



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



#50

Toluene-d8

Concen: 56.215 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065186.D

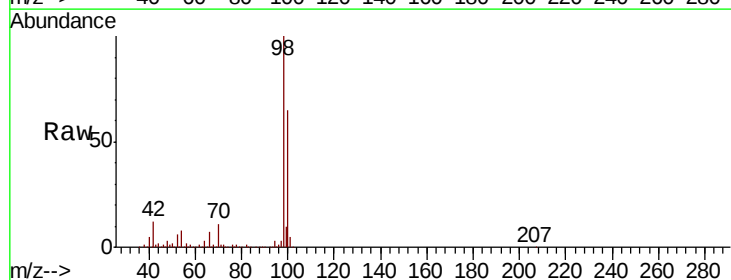
Acq: 14 Feb 2020 14:25

Tgt Ion: 98 Resp: 846498

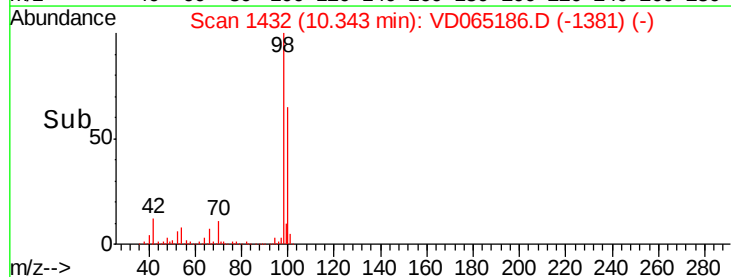
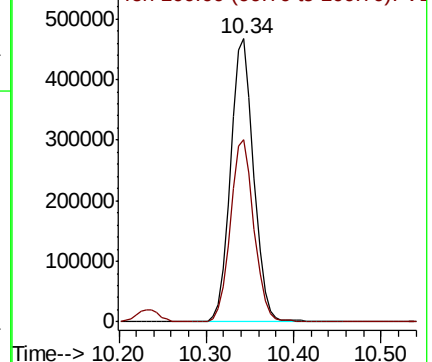
Ion Ratio Lower Upper

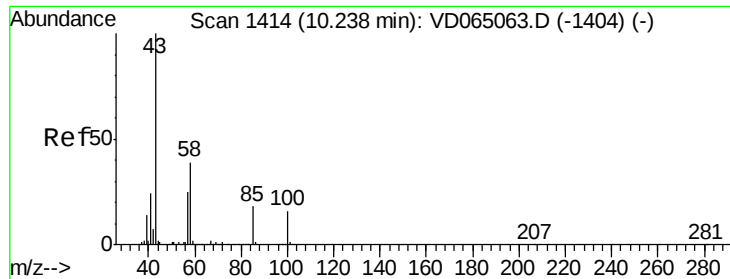
98 100

100 65.4 52.1 78.1



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

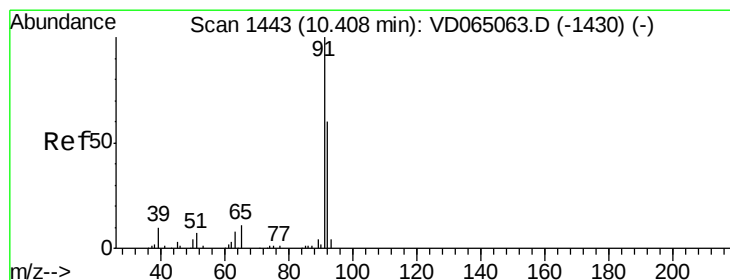
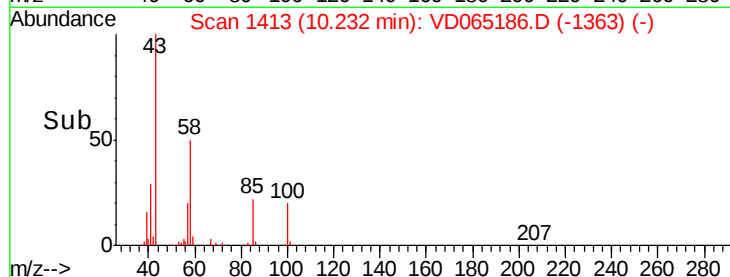
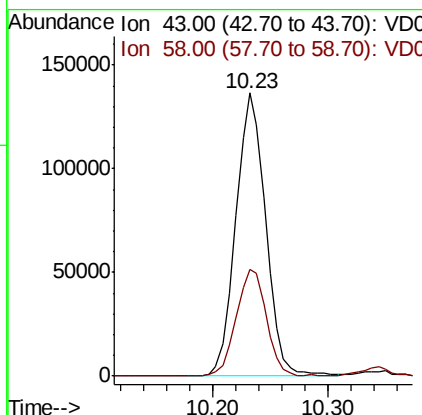
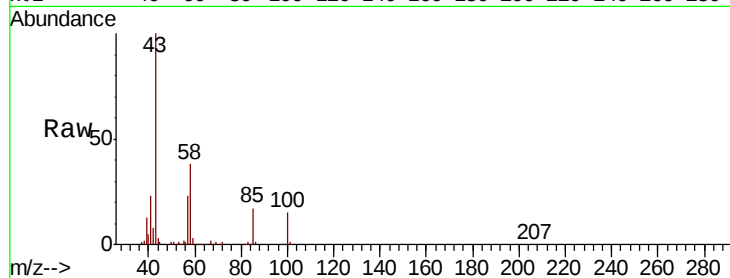




#51
4-Methyl-2-Pentanone
Concen: 100.805 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

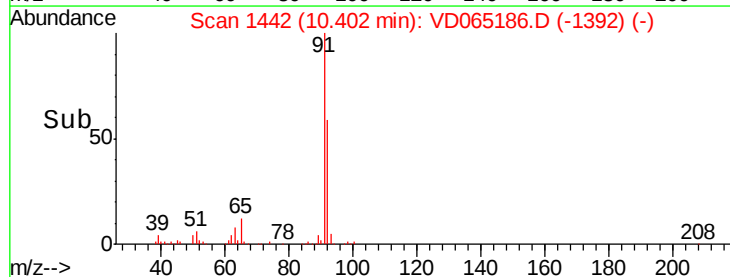
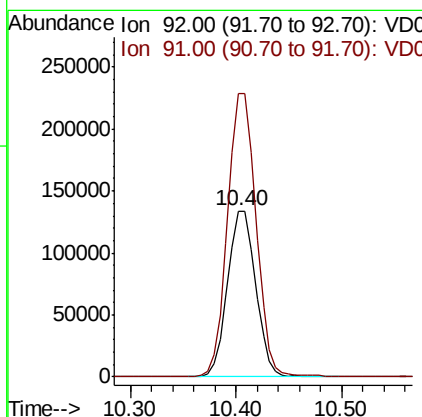
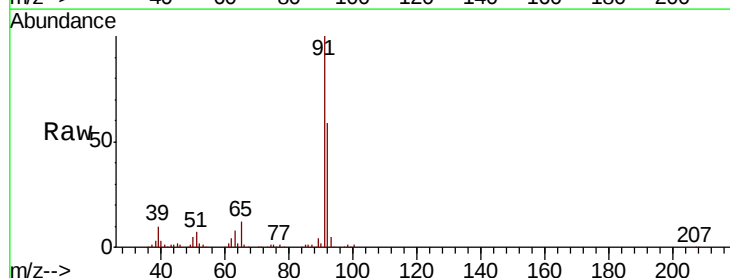
Instrument :
MSVOA_D
ClientSampled :

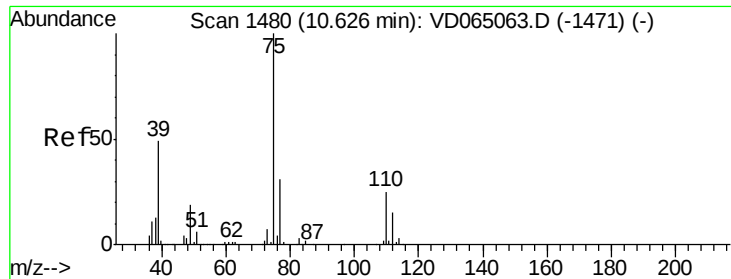
Tot Ion: 43 Resp: 244483
Ion Ratio Lower Upper
43 100
58 38.2 30.2 45.2



#52
Toluene
Concen: 22.315 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion: 92 Resp: 247979
Ion Ratio Lower Upper
92 100
91 171.4 135.3 202.9





#53

t-1,3-Dichloropropene

Concen: 20.990 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

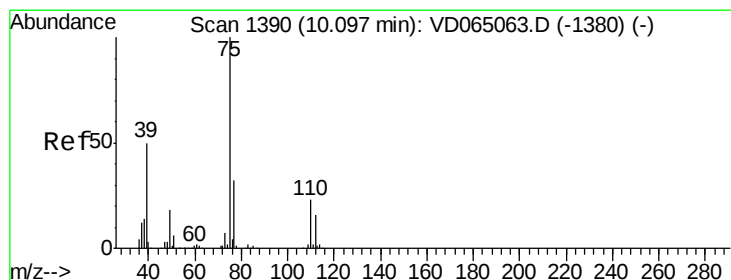
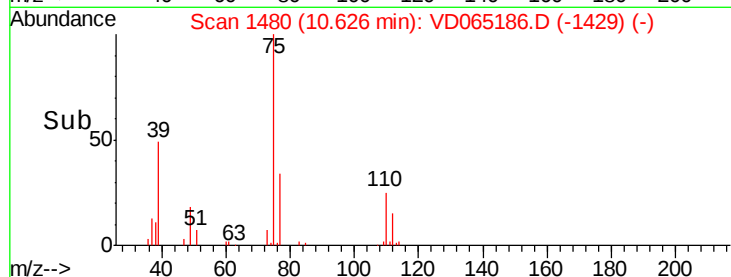
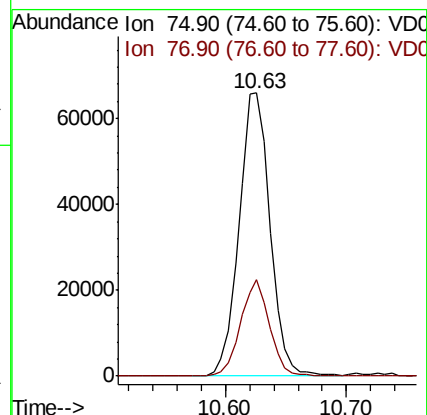
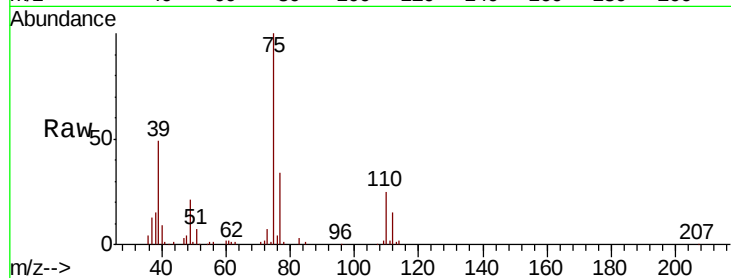
ClientSampleId :

Tot Ion: 75 Resp: 118121

Ion Ratio Lower Upper

75 100

77 34.2 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 21.540 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

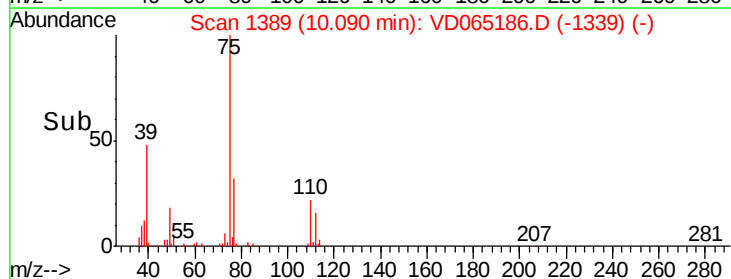
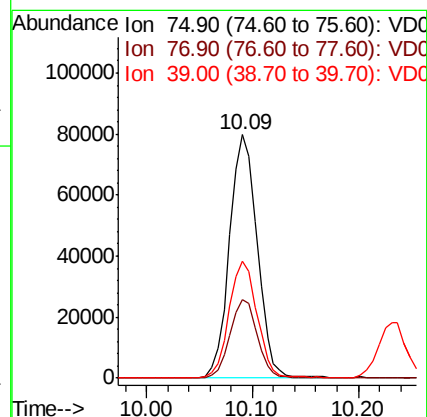
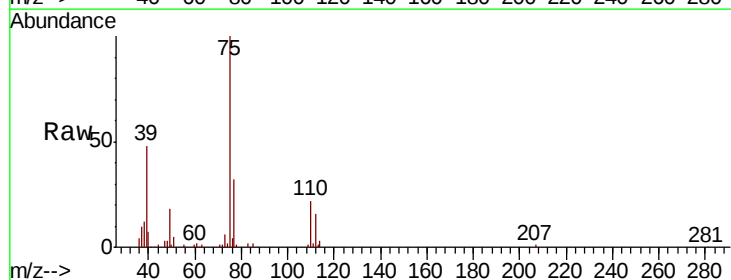
Tgt Ion: 75 Resp: 144977

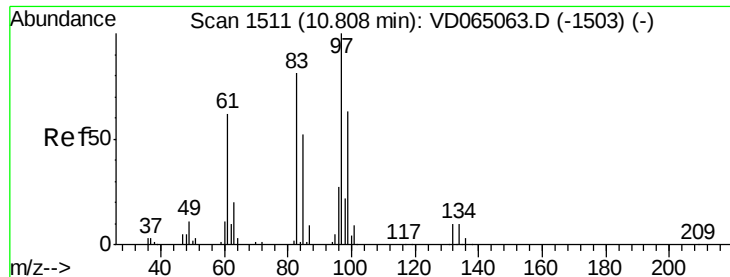
Ion Ratio Lower Upper

75 100

77 32.2 25.3 37.9

39 48.0 40.3 60.5

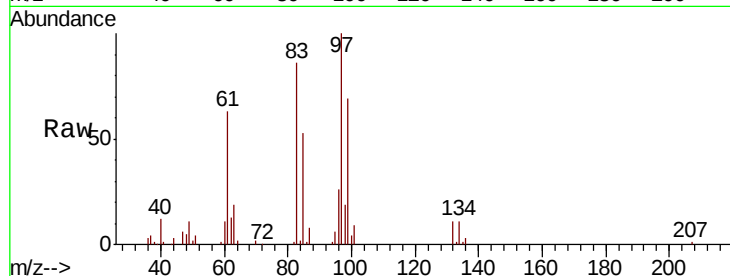




#55
 1,1,2-Trichloroethane
 Concen: 22.213 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	97	Resp	66834
Ion	Ratio	Lower	Upper
97	100		
83	86.0	64.8	97.2
85	52.6	41.2	61.8
99	68.7	50.3	75.5



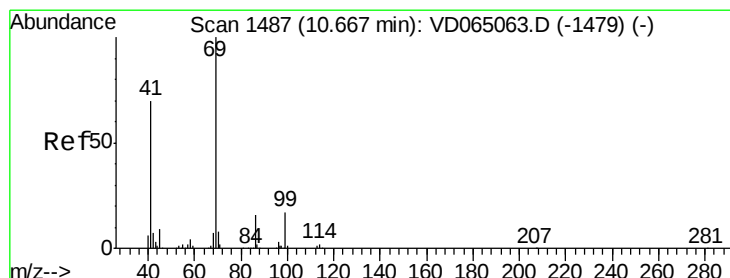
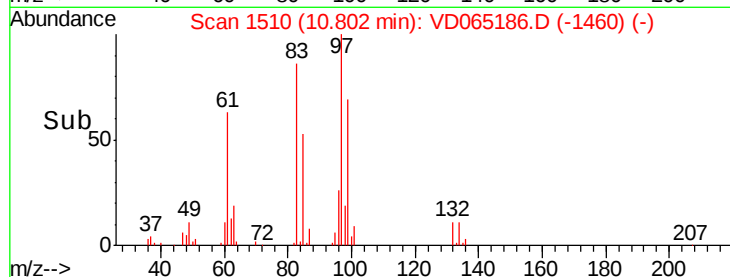
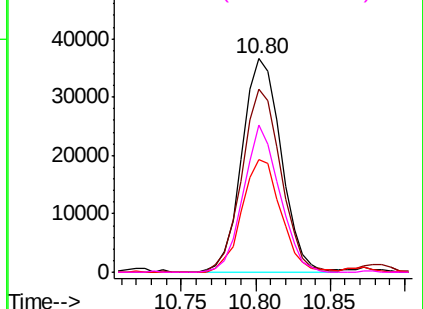
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

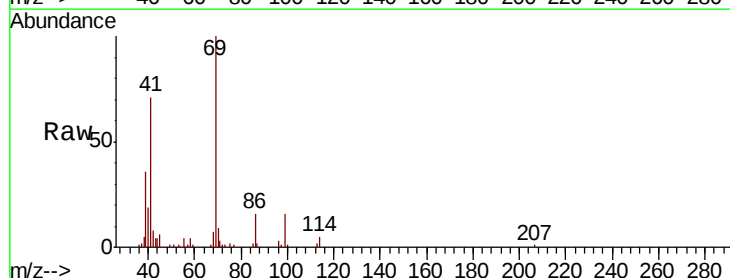
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 19.327 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Tgt Ion	69	Resp	73579
Ion	Ratio	Lower	Upper
69	100		
41	73.1	55.9	83.9
39	32.8	29.4	44.0

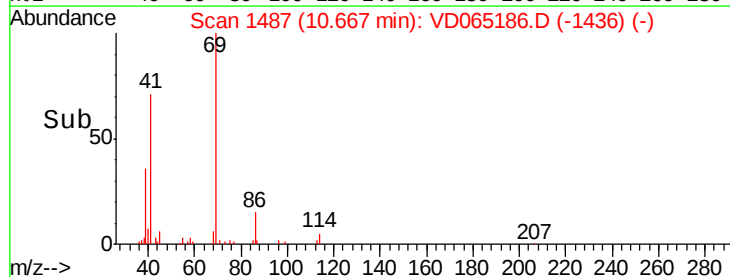
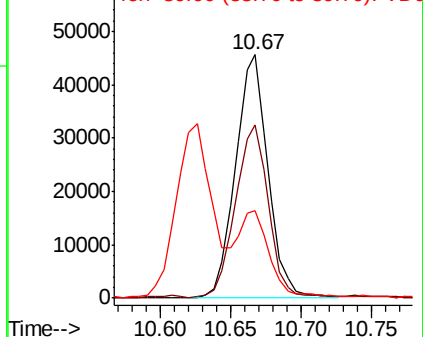


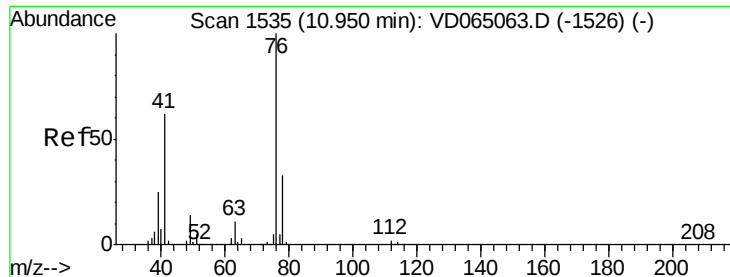
Abundance

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: 21.313 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

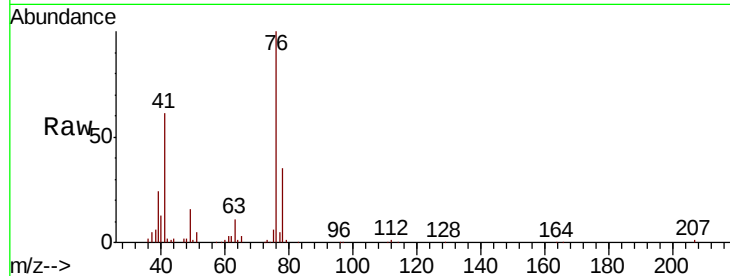
ClientSampleId :

Tot Ion: 76 Resp: 112765

Ion Ratio Lower Upper

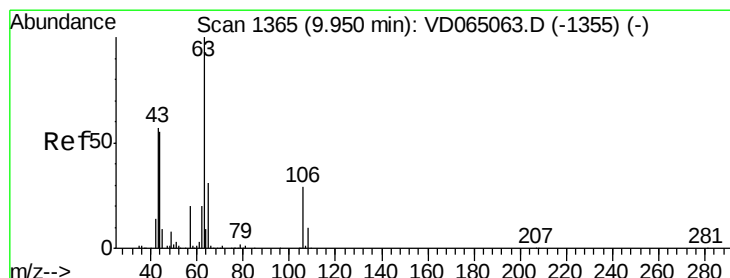
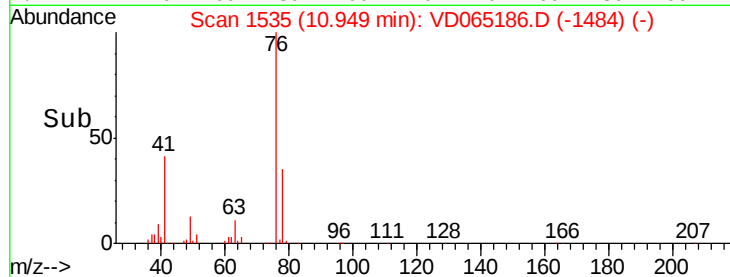
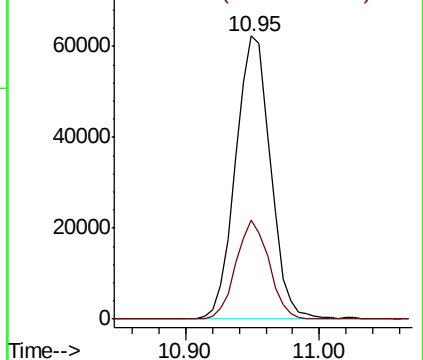
76 100

78 33.2 25.8 38.6



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: 78.896 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065186.D

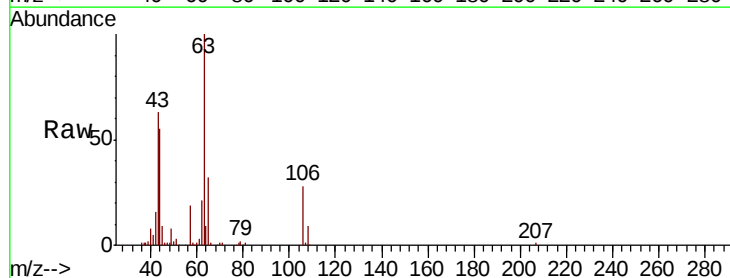
Acq: 14 Feb 2020 14:25

Tgt Ion: 63 Resp: 113046

Ion Ratio Lower Upper

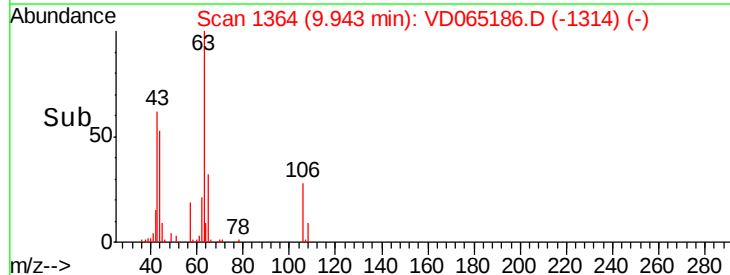
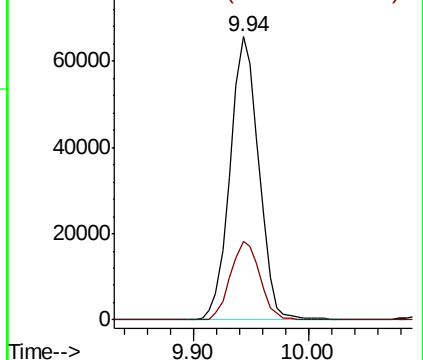
63 100

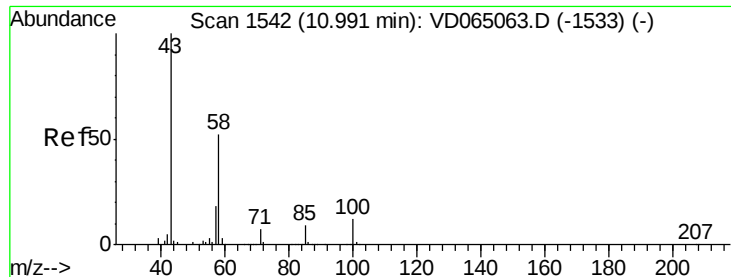
106 28.6 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

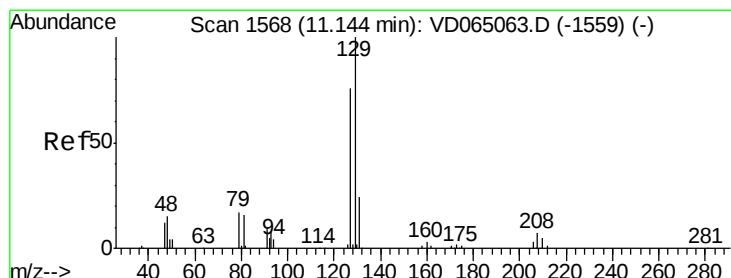
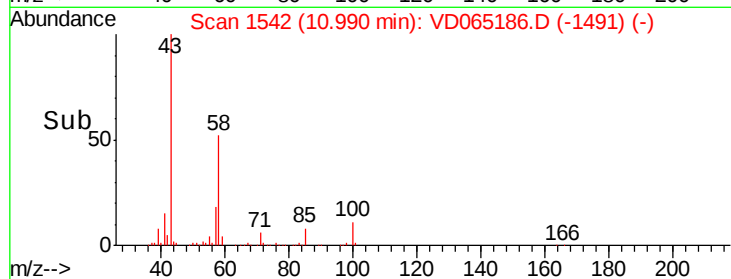
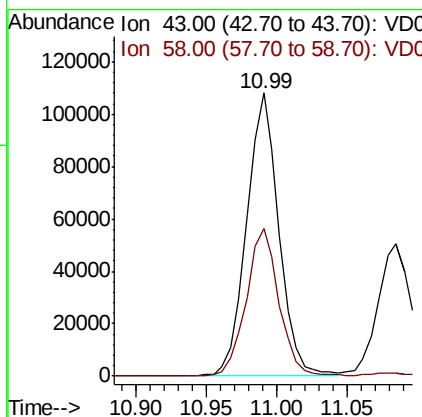
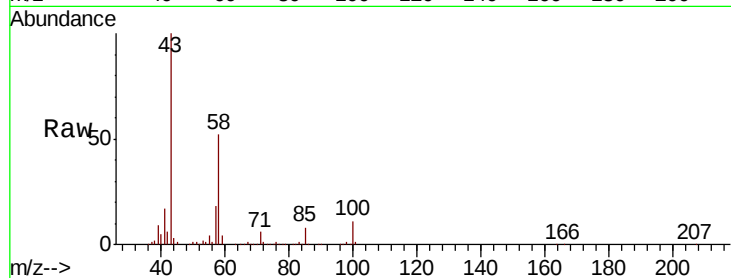




#59
2-Hexanone
Concen: 100.929 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

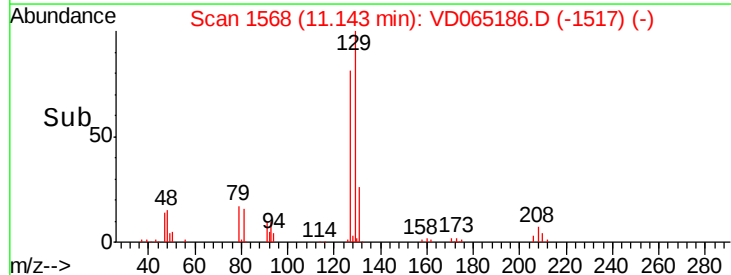
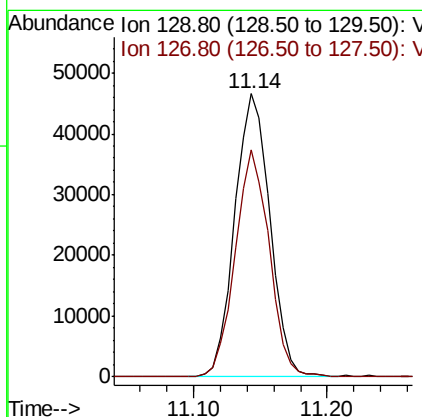
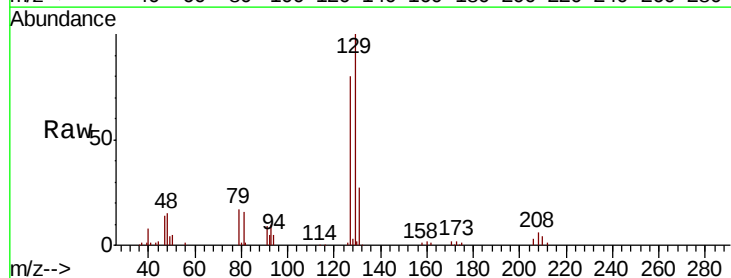
Instrument :
MSVOA_D
ClientSampleId :

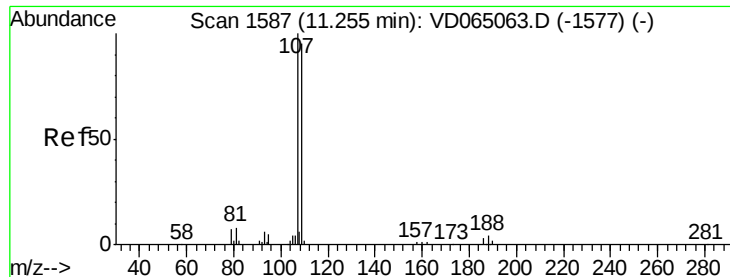
Tot Ion: 43 Resp: 173387
Ion Ratio Lower Upper
43 100
58 52.8 26.2 78.6



#60
Dibromochloromethane
Concen: 21.822 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion: 129 Resp: 85043
Ion Ratio Lower Upper
129 100
127 77.4 38.3 114.9

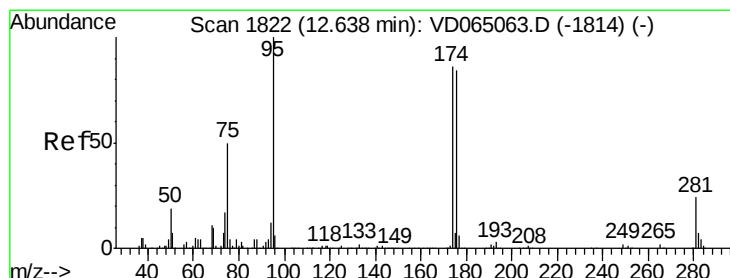
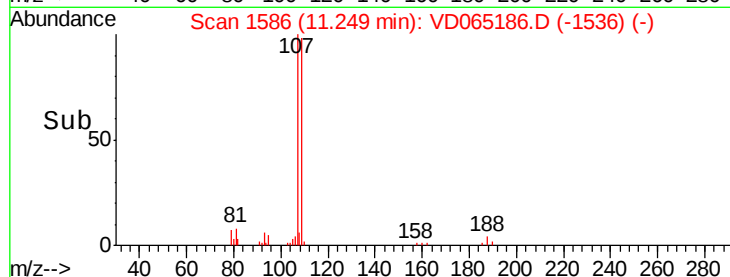
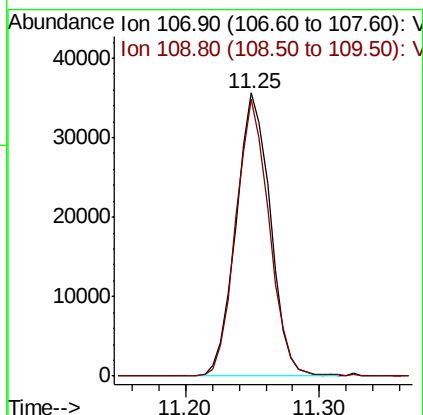
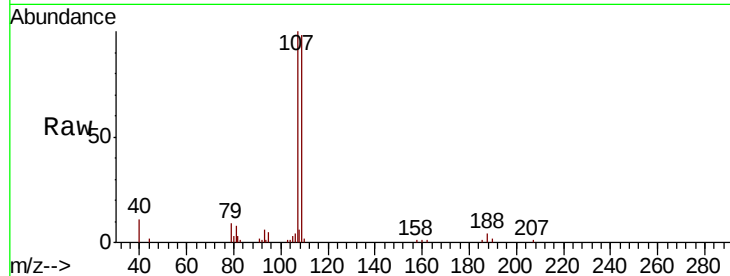




#61
 1,2-Dibromoethane
 Concen: 21.458 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

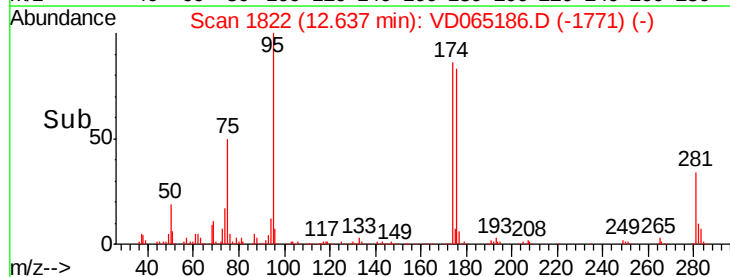
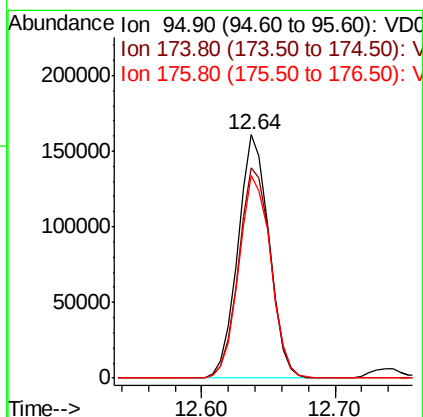
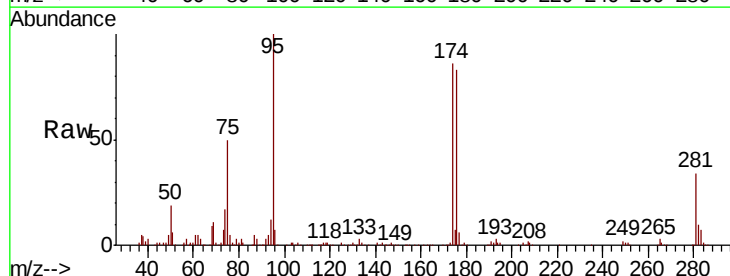
Instrument :
 MSVOA_D
 ClientSampleId :

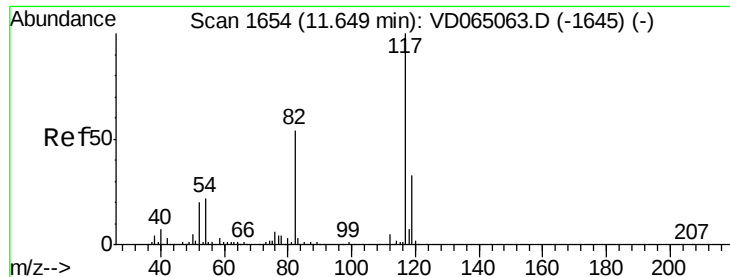
Tot Ion: 107 Resp: 63087
 Ion Ratio Lower Upper
 107 100
 109 95.6 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 54.287 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Tgt Ion: 95 Resp: 259021
 Ion Ratio Lower Upper
 95 100
 174 89.3 0.0 180.0
 176 85.7 0.0 173.2

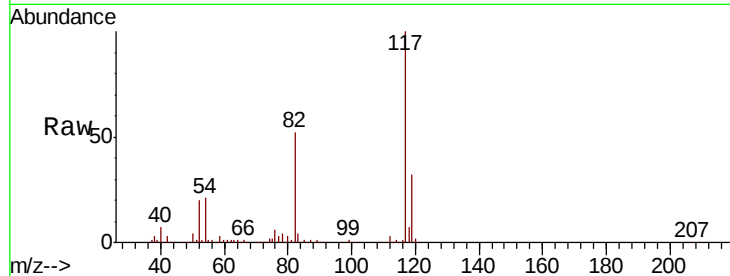




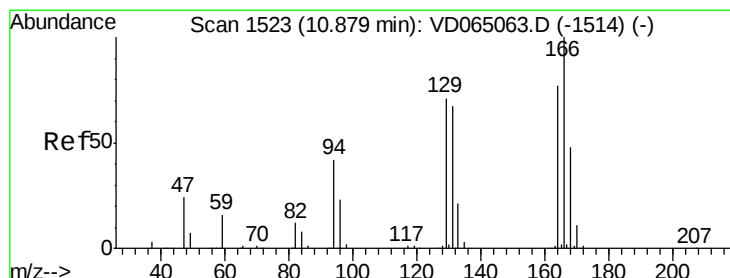
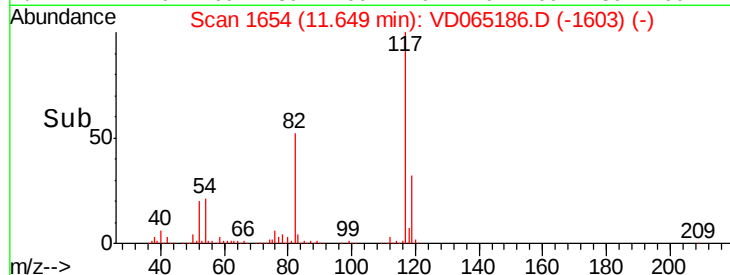
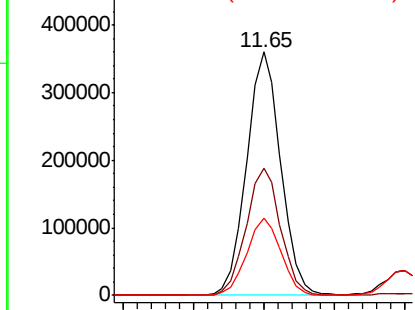
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 610741
Ion Ratio Lower Upper
117 100
82 52.0 43.1 64.7
119 32.0 26.0 39.0

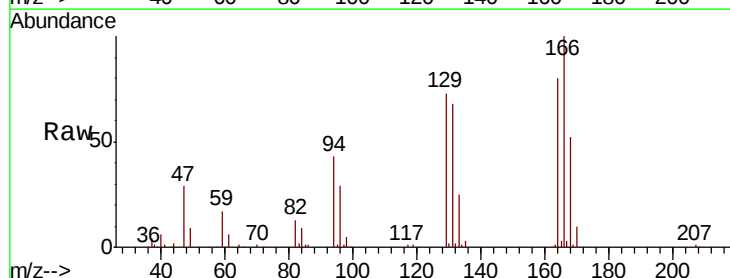


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

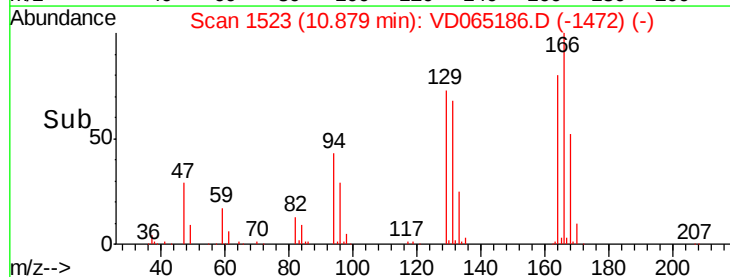
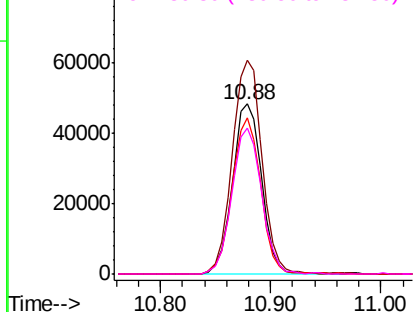


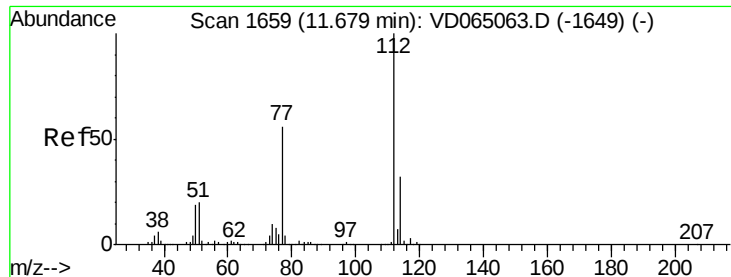
#64
Tetrachloroethene
Concen: 20.446 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion:164 Resp: 89727
Ion Ratio Lower Upper
164 100
166 125.6 103.5 155.3
129 92.0 73.3 109.9
131 85.9 69.8 104.6



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

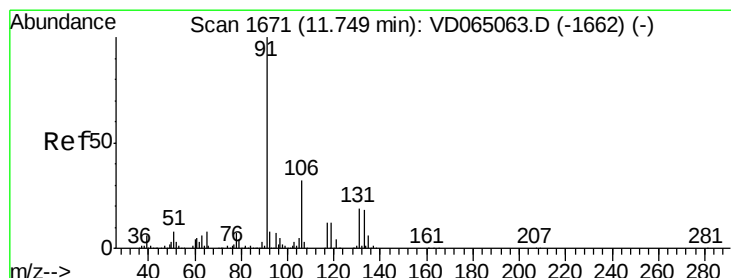
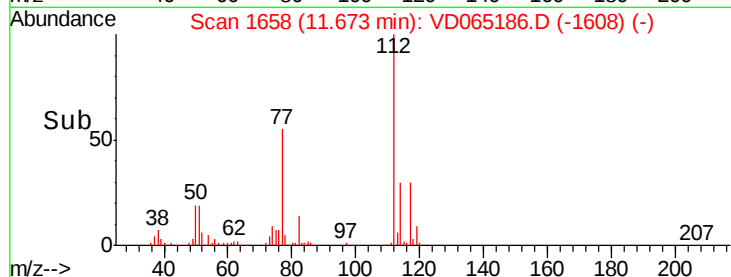
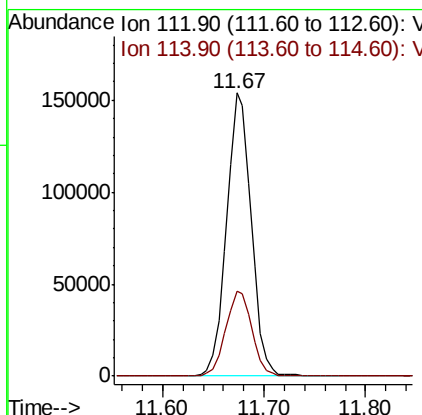
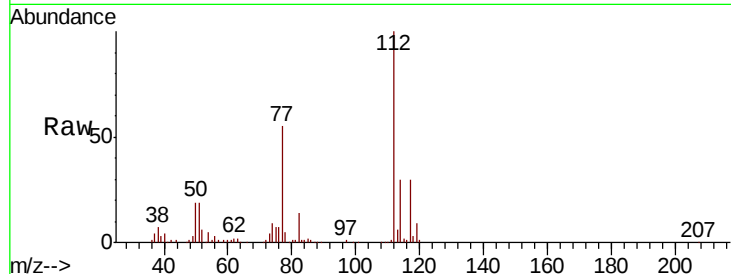




#65
Chlorobenzene
Concen: 21.937 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

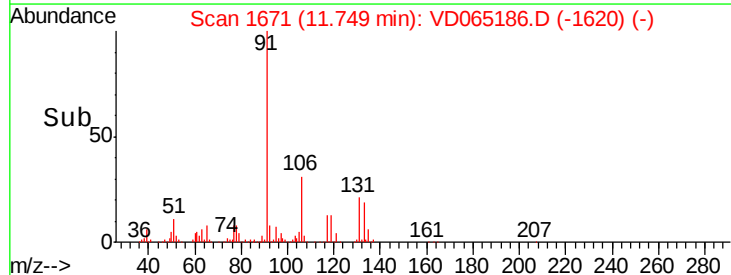
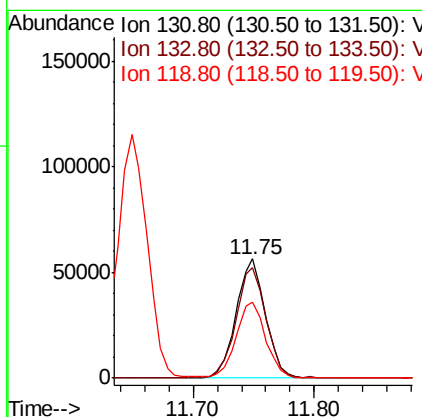
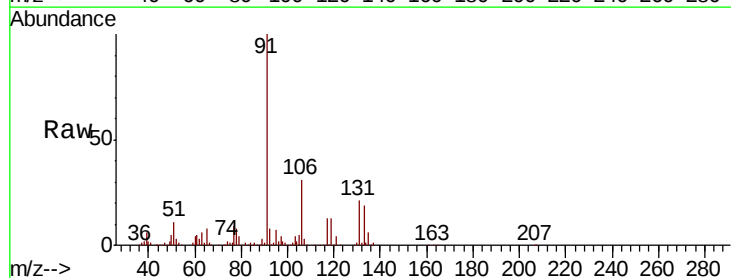
Instrument :
MSVOA_D
ClientSampleId :

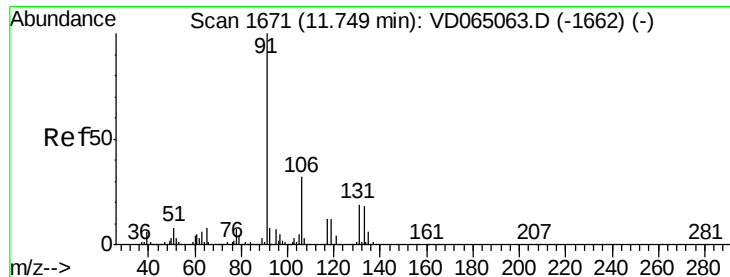
Tot Ion:112 Resp: 259135
Ion Ratio Lower Upper
112 100
114 30.0 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.854 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion:131 Resp: 95278
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 64.7 31.3 93.8





#67

Ethyl Benzene

Concen: 21.046 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

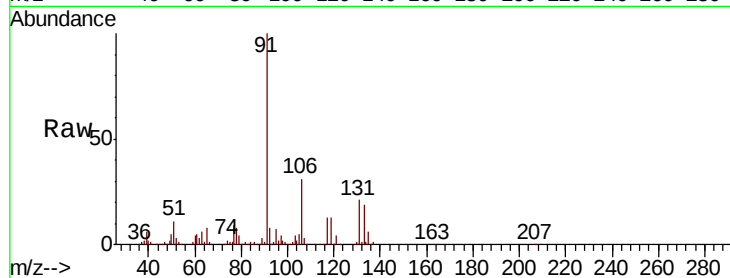
ClientSampled :

Tot Ion: 91 Resp: 451680

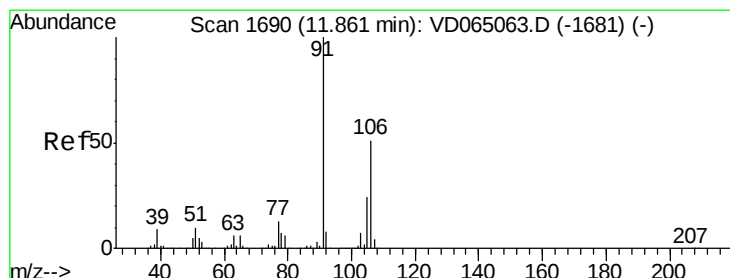
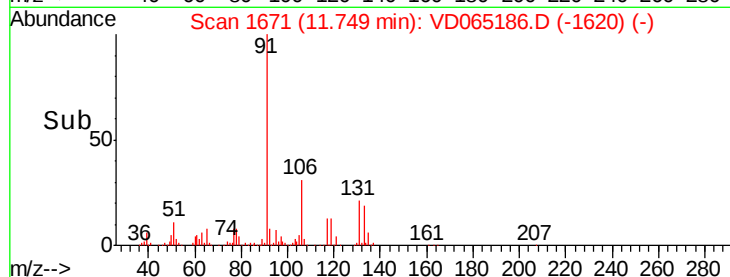
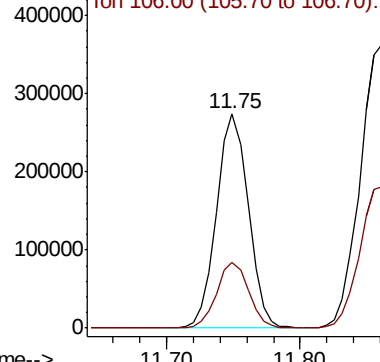
Ion Ratio Lower Upper

91 100

106 30.8 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 42.332 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065186.D

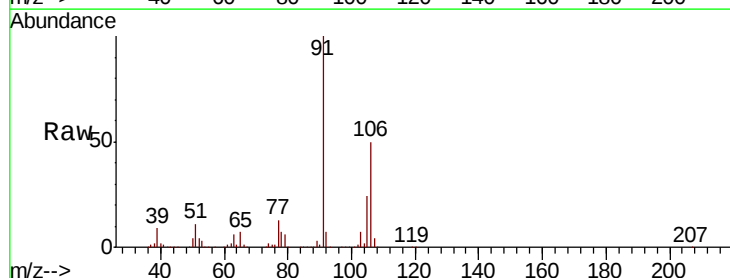
Acq: 14 Feb 2020 14:25

Tgt Ion: 106 Resp: 346749

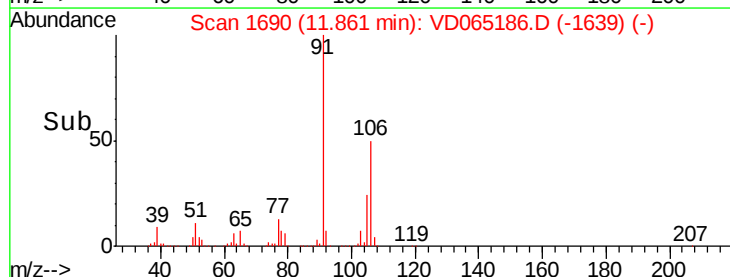
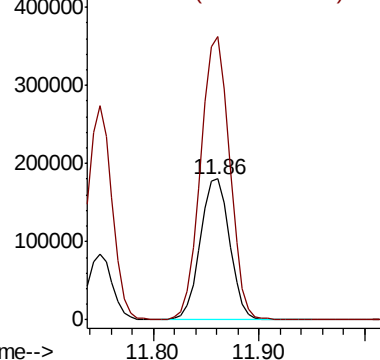
Ion Ratio Lower Upper

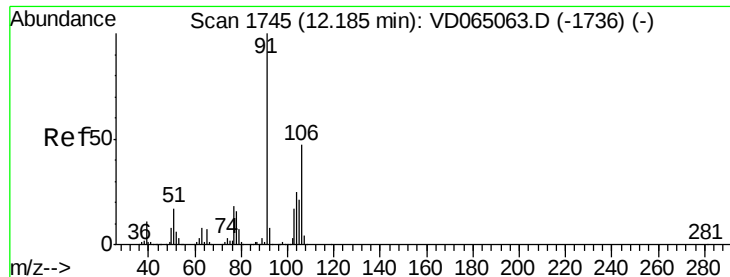
106 100

91 198.4 158.9 238.3



Abundance Ion 106.00 (105.70 to 106.70): V

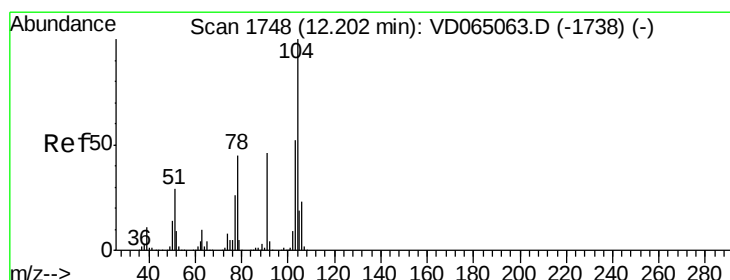
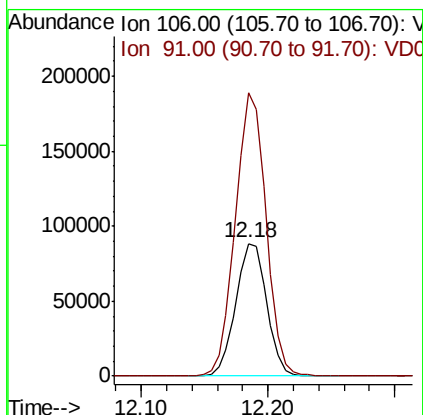
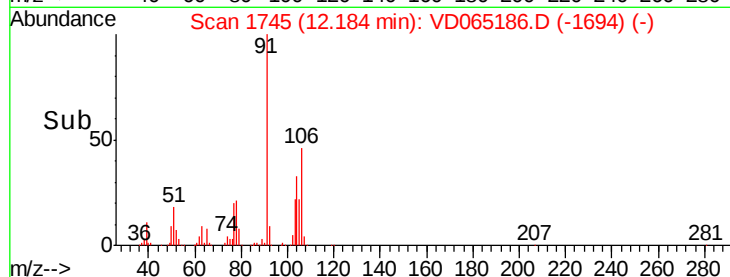
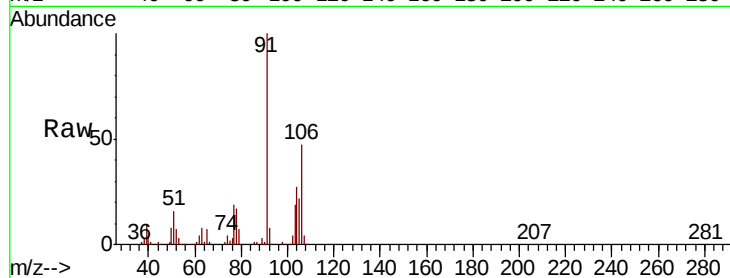




#69
o-Xylene
Concen: 20.298 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

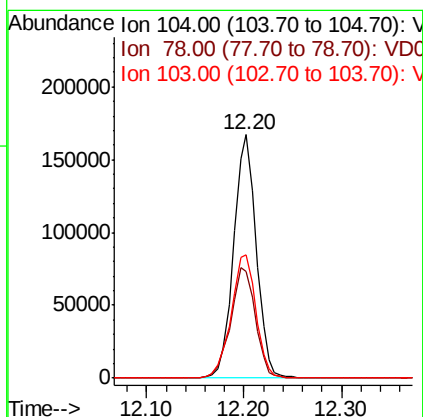
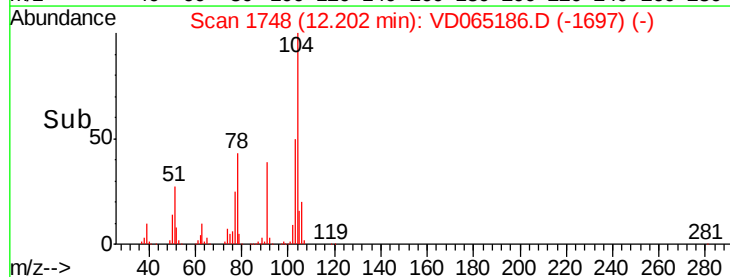
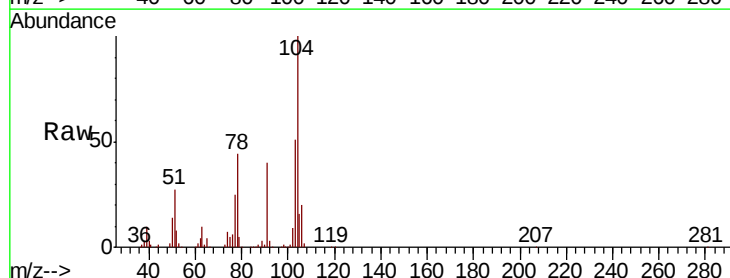
Instrument :
MSVOA_D
ClientSampleId :

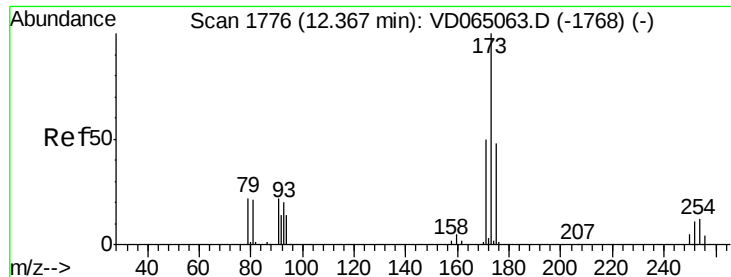
Tot Ion:106 Resp: 149724
Ion Ratio Lower Upper
106 100
91 211.8 104.7 313.9



#70
Styrene
Concen: 20.959 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion:104 Resp: 268703
Ion Ratio Lower Upper
104 100
78 49.6 38.5 57.7
103 55.6 43.8 65.8

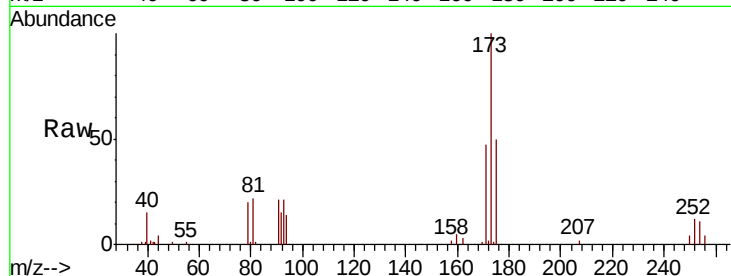




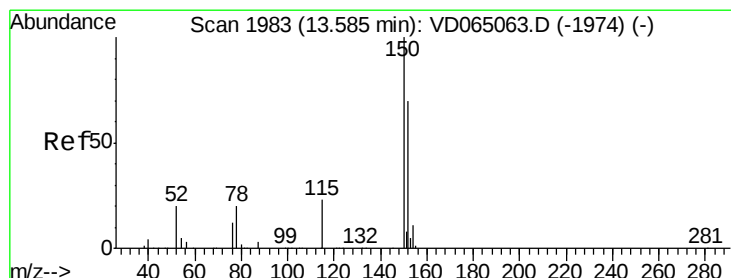
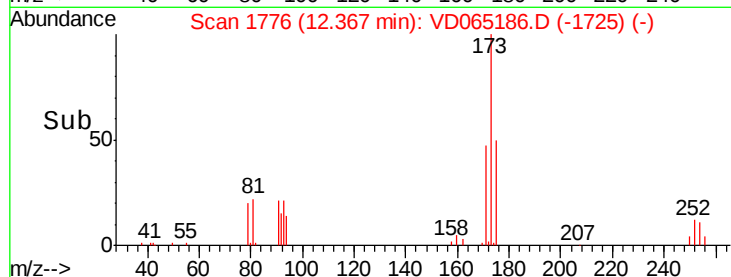
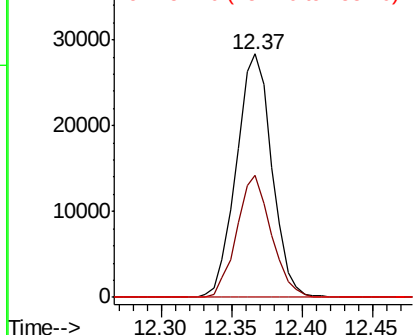
#71
Bromoform
Concen: 21.282 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 49941
Ion Ratio Lower Upper
173 100
175 48.6 24.3 72.8
254 0.0 0.1 0.1#

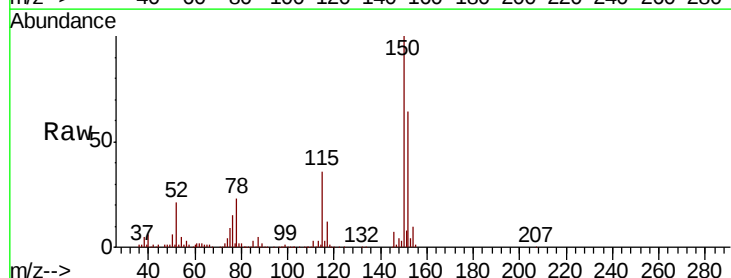


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

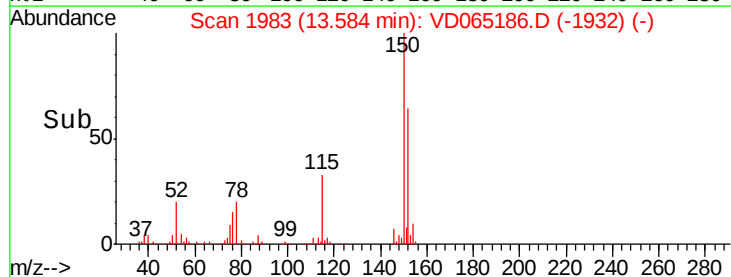
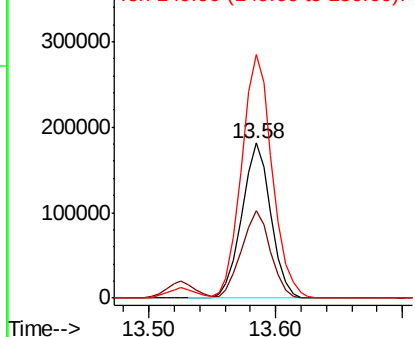


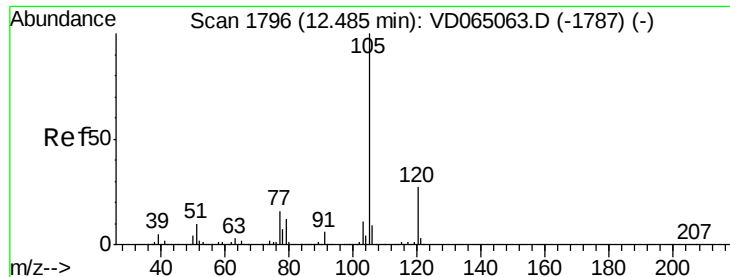
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion:152 Resp: 287271
Ion Ratio Lower Upper
152 100
115 56.5 27.5 82.4
150 165.9 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.884 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

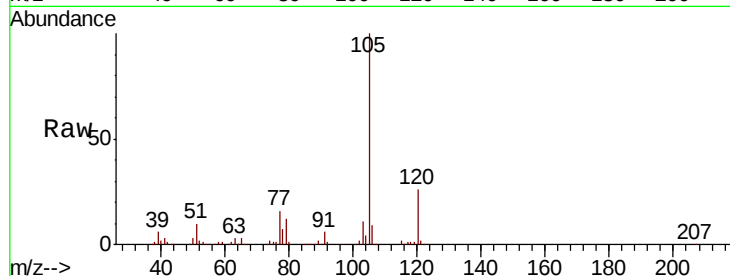
ClientSampleId :

Tot Ion:105 Resp: 411780

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

300000

250000

200000

150000

100000

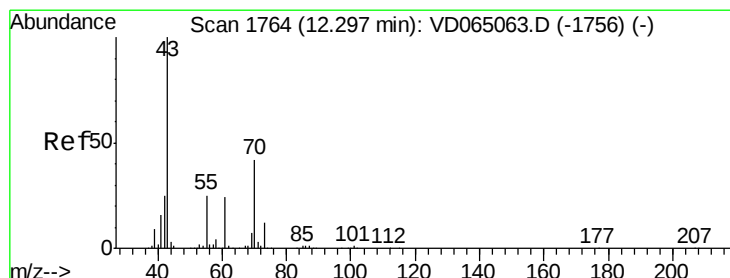
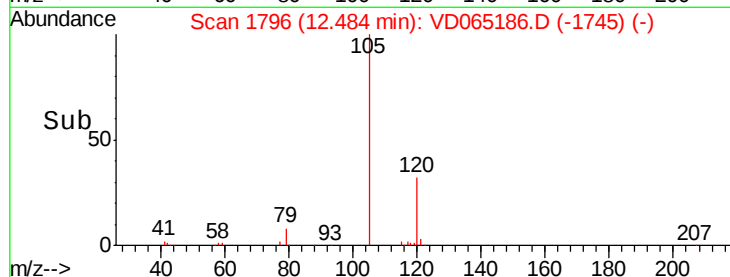
50000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 19.295 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Tgt Ion: 43 Resp: 82693

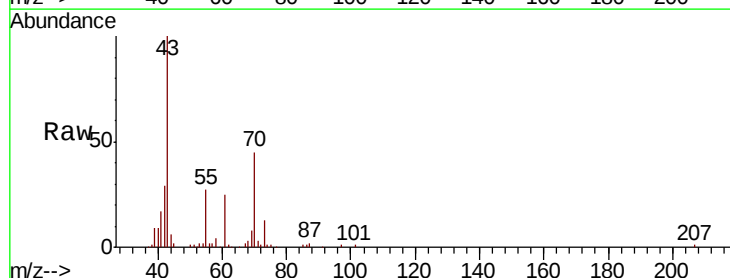
Ion Ratio Lower Upper

43 100

70 43.4 33.5 50.3

55 27.9 19.4 29.2

61 23.8 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

60000

40000

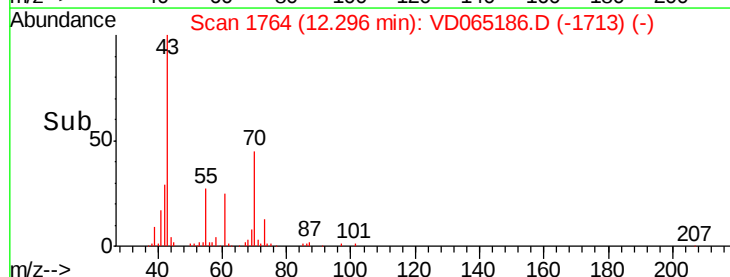
20000

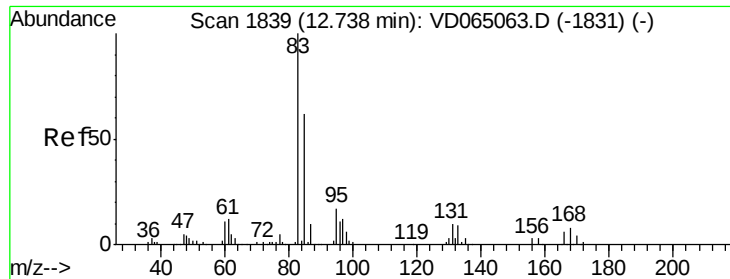
0

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.718 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

ClientSampleId :

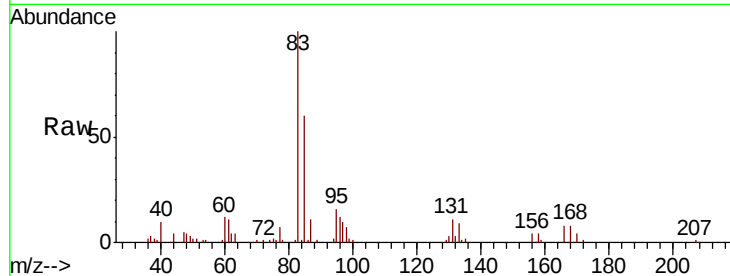
Tot Ion: 83 Resp: 70497

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.4

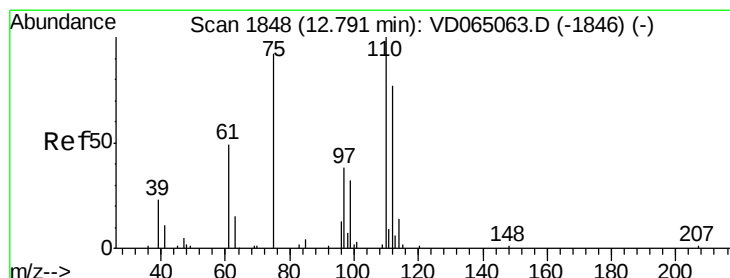
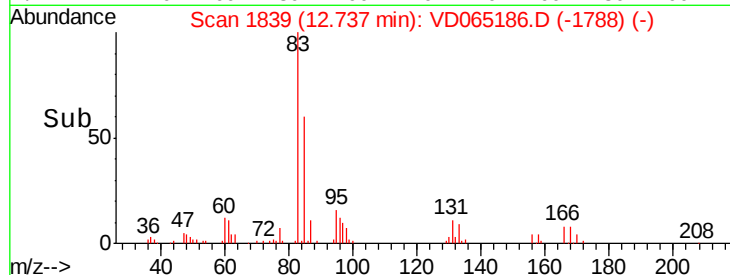
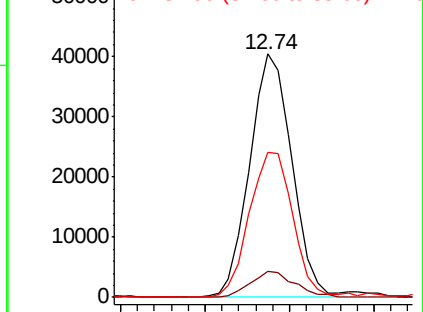
85 61.2 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 40.645 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065186.D

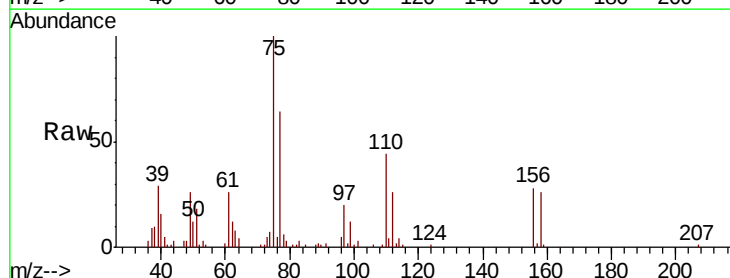
Acq: 14 Feb 2020 14:25

Tgt Ion: 75 Resp: 88401

Ion Ratio Lower Upper

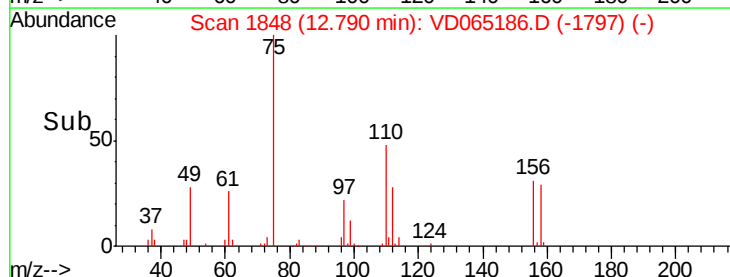
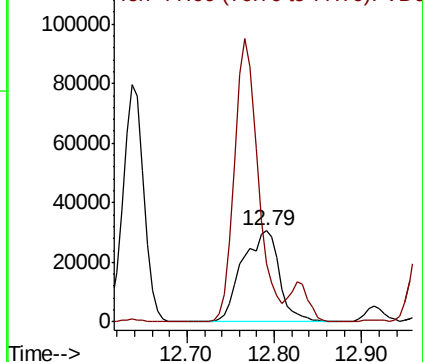
75 100

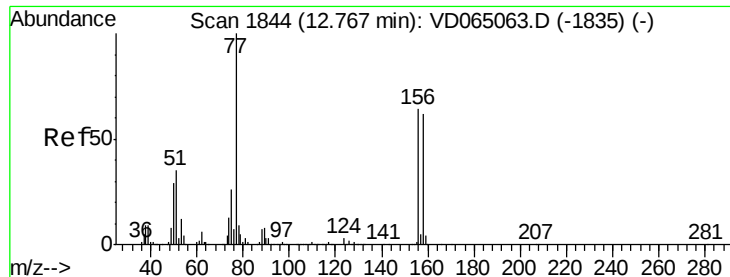
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.084 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

ClientSampleId :

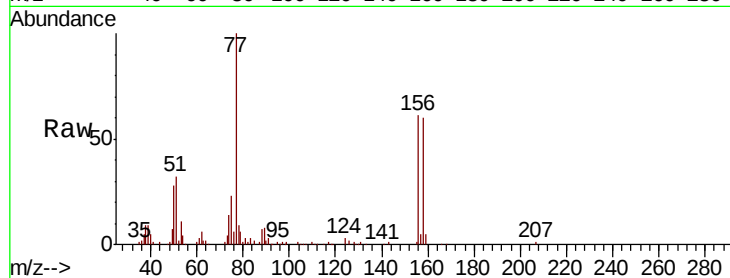
Tot Ion:156 Resp: 100160

Ion Ratio Lower Upper

156 100

77 174.9 85.6 256.8

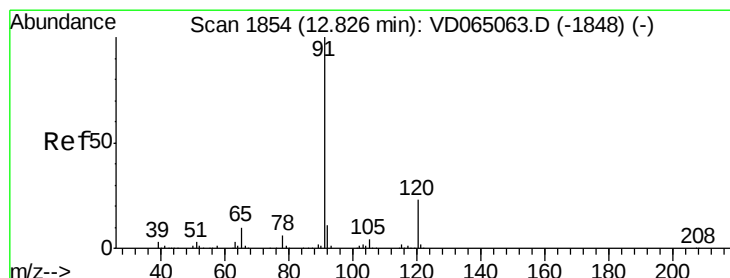
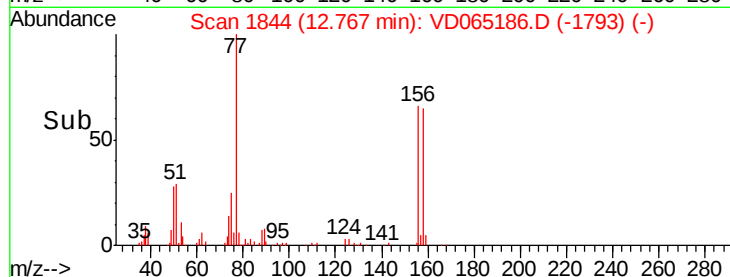
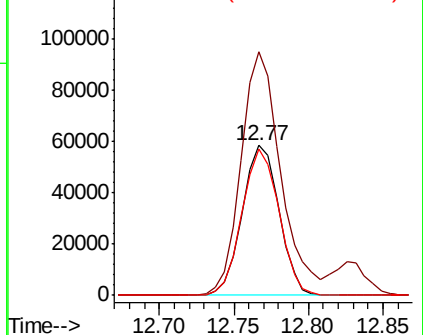
158 97.8 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.033 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065186.D

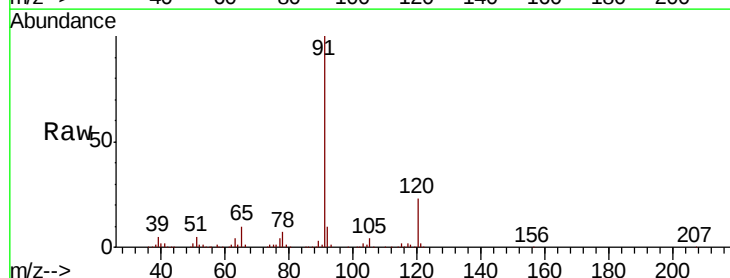
Acq: 14 Feb 2020 14:25

Tgt Ion: 91 Resp: 508761

Ion Ratio Lower Upper

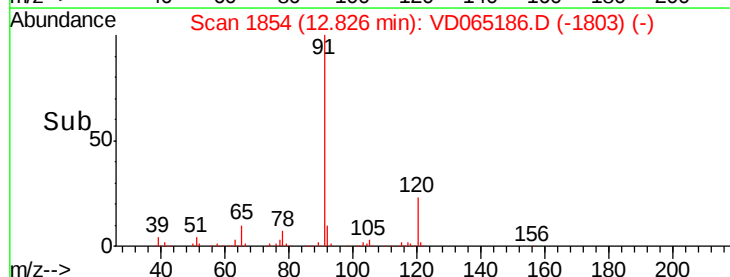
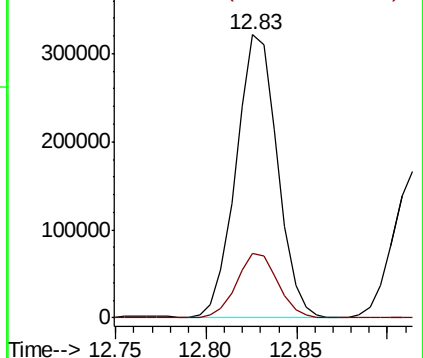
91 100

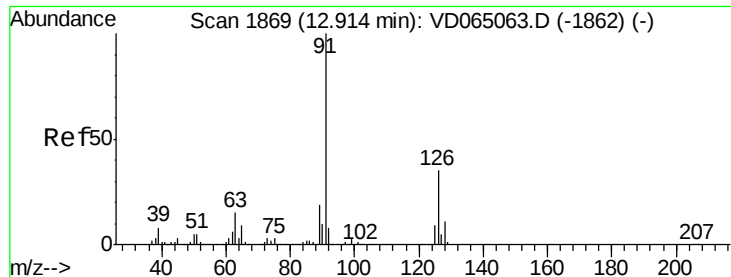
120 22.8 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

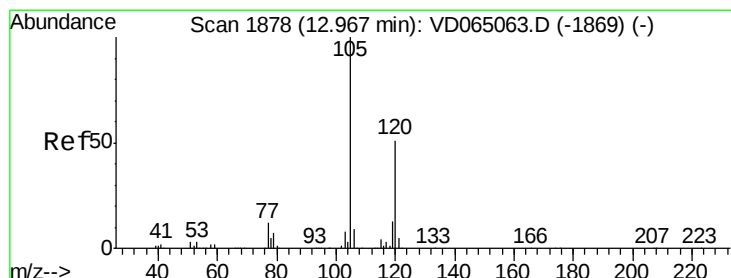
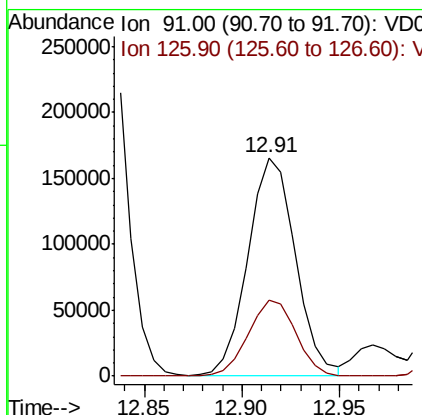
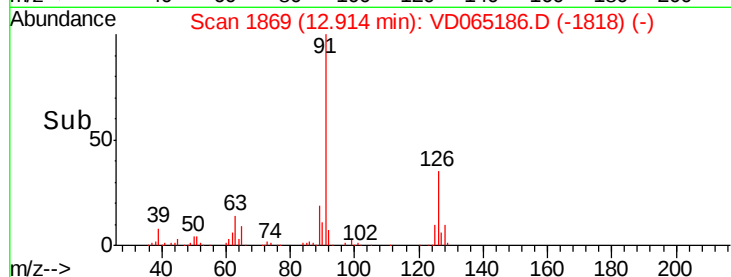
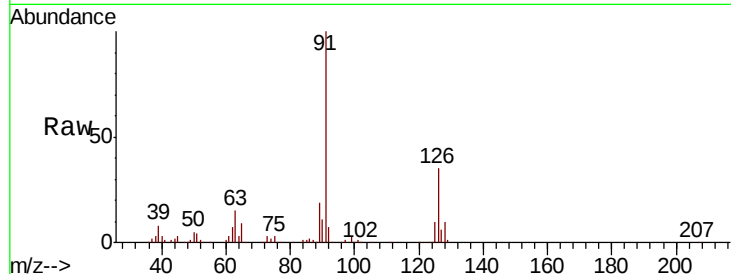




#79
2-Chlorotoluene
Concen: 21.737 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

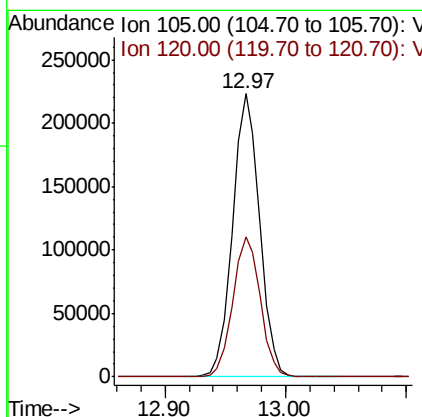
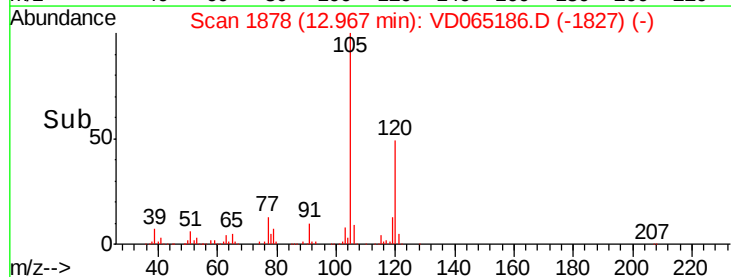
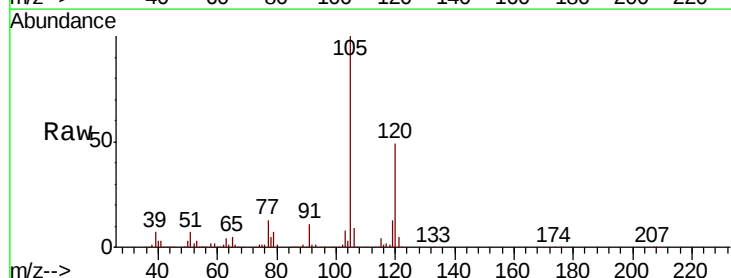
Instrument :
MSVOA_D
ClientSampled :

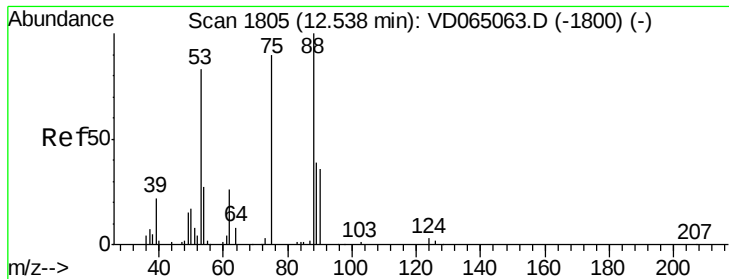
Tot Ion: 91 Resp: 279772
Ion Ratio Lower Upper
91 100
126 35.0 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 21.537 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion:105 Resp: 347400
Ion Ratio Lower Upper
105 100
120 50.3 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.613 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

ClientSampleId :

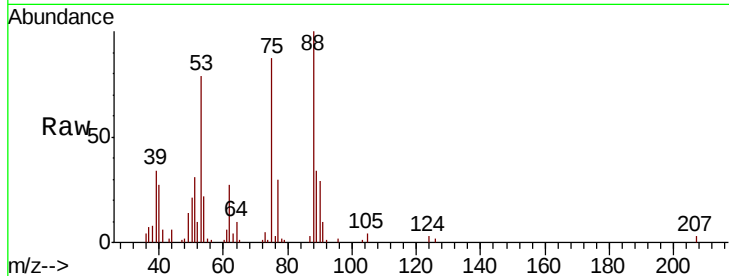
Tot Ion: 75 Resp: 22417

Ion Ratio Lower Upper

75 100

53 90.1 78.5 117.7

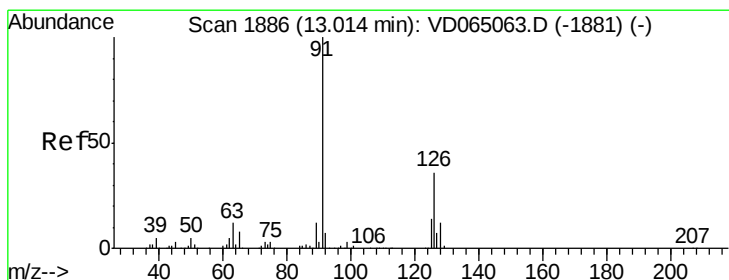
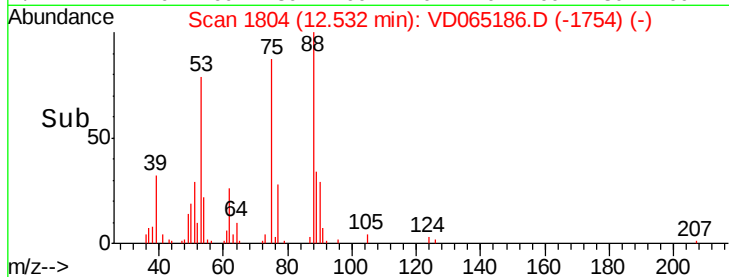
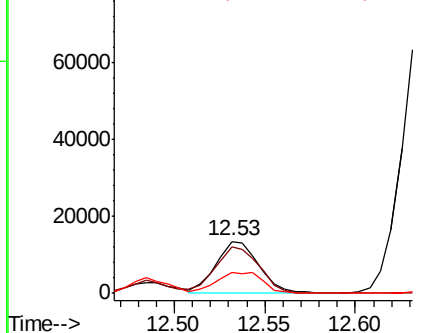
89 42.8 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.985 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065186.D

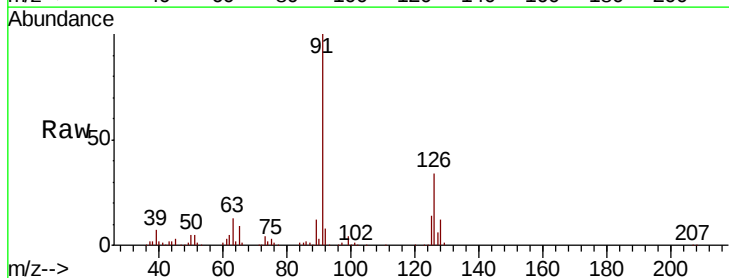
Acq: 14 Feb 2020 14:25

Tgt Ion: 91 Resp: 297185

Ion Ratio Lower Upper

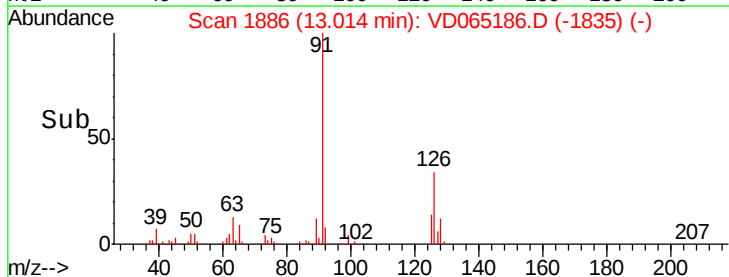
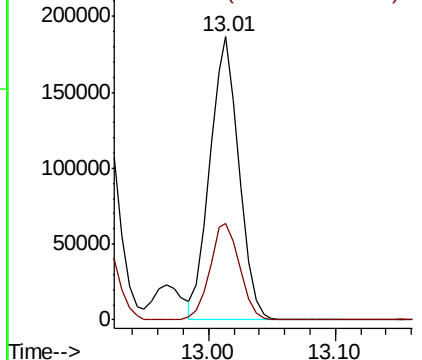
91 100

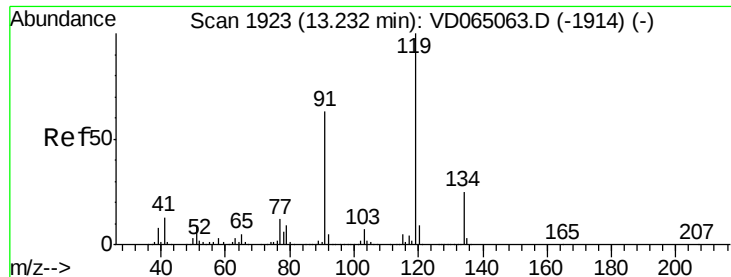
126 35.1 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

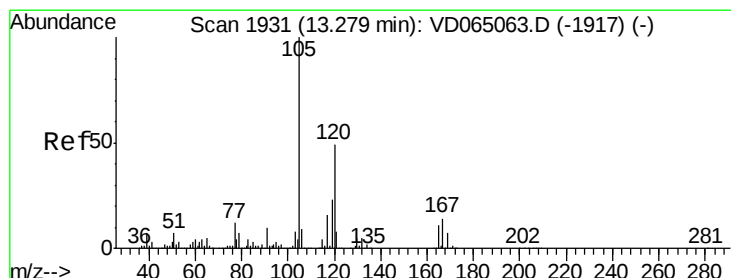
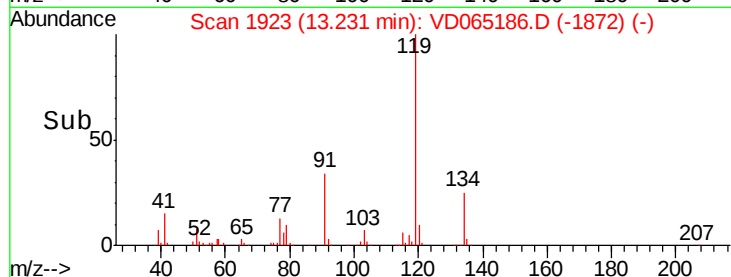
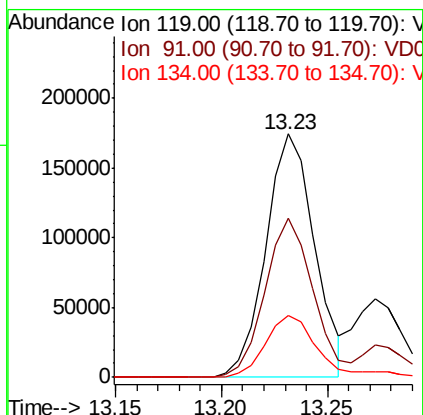
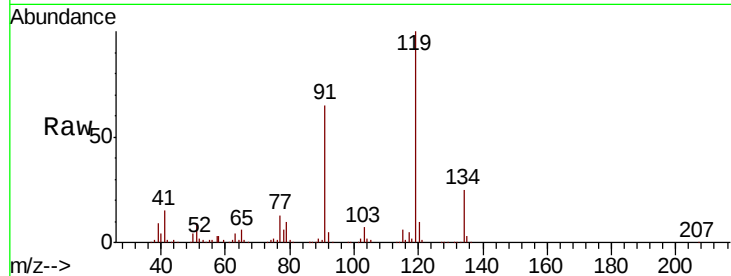




#83
tert-Butylbenzene
Concen: 20.173 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

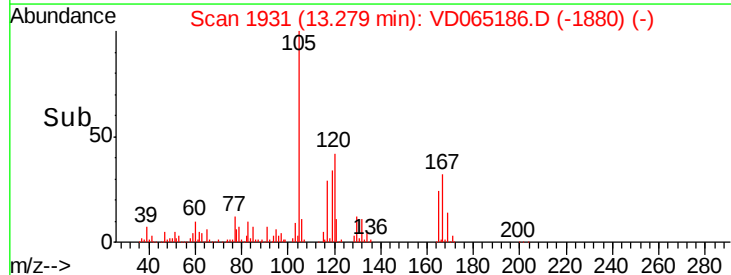
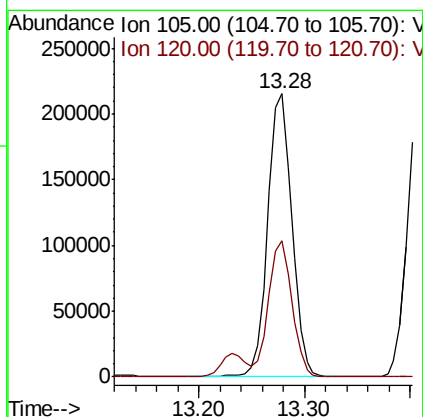
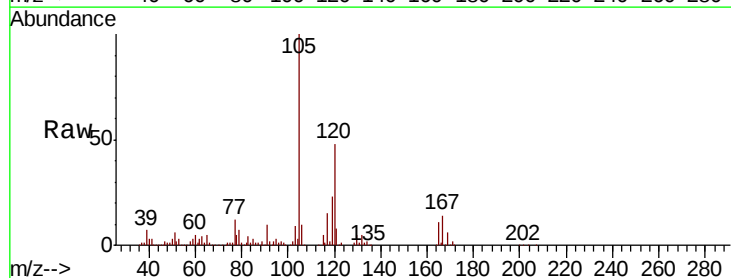
Instrument :
MSVOA_D
ClientSampleId :

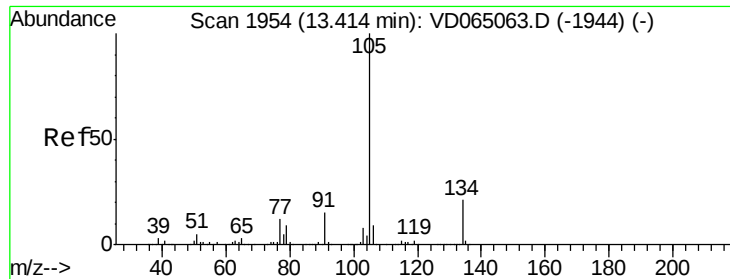
Tot Ion:119 Resp: 280730
Ion Ratio Lower Upper
119 100
91 64.9 32.3 96.9
134 27.8 13.8 41.3



#84
1,2,4-Trimethylbenzene
Concen: 21.349 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion:105 Resp: 341883
Ion Ratio Lower Upper
105 100
120 46.8 23.5 70.5





#85

sec-Butylbenzene

Concen: 21.400 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

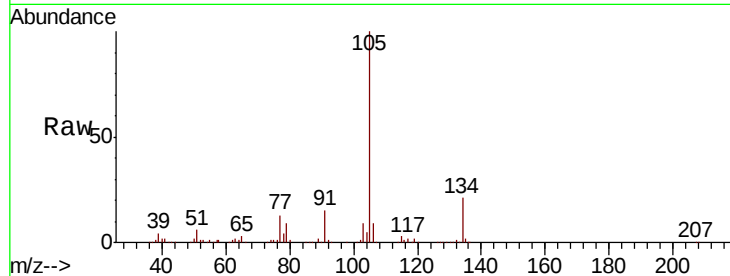
ClientSampled :

Tot Ion:105 Resp: 406751

Ion Ratio Lower Upper

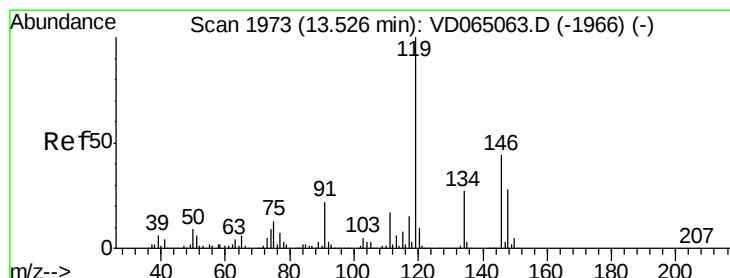
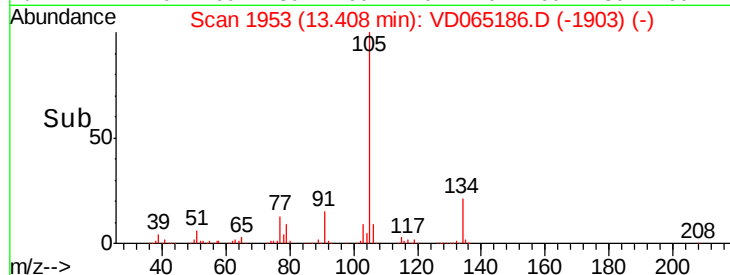
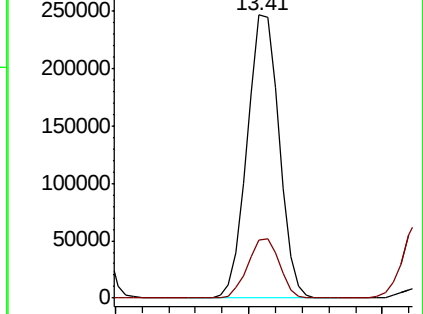
105 100

134 20.9 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.270 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

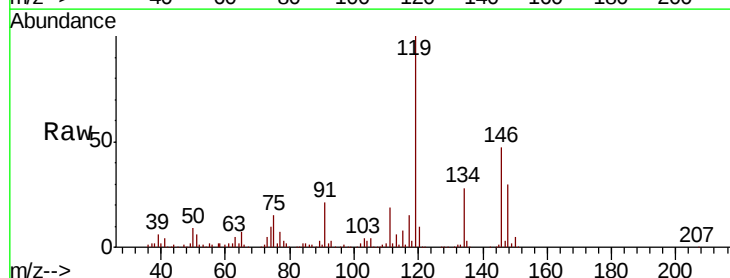
Tgt Ion:119 Resp: 375620

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.5

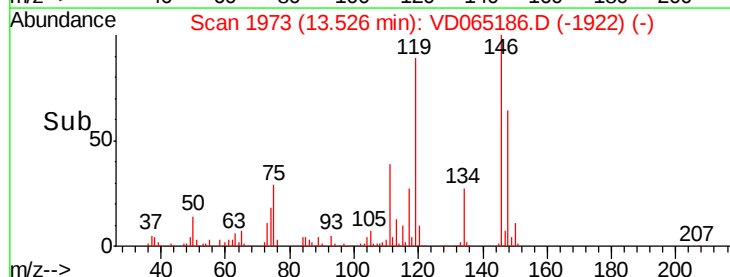
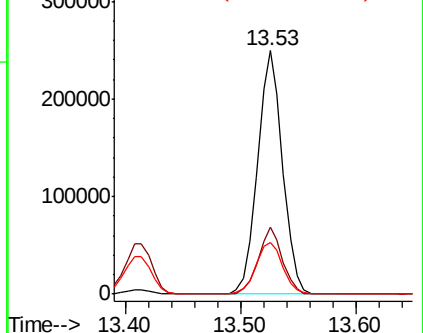
91 23.0 11.3 33.9

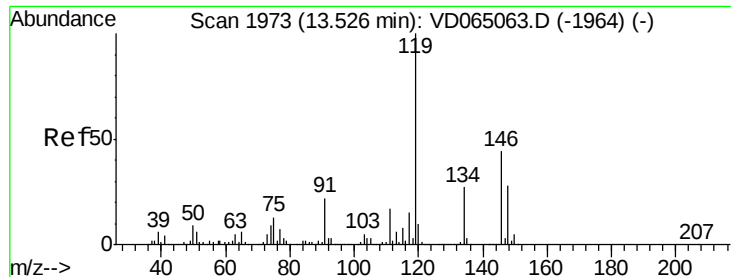


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 22.007 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

ClientSampleId :

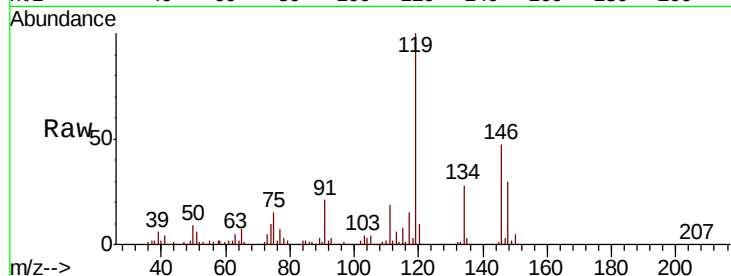
Tot Ion:146 Resp: 195740

Ion Ratio Lower Upper

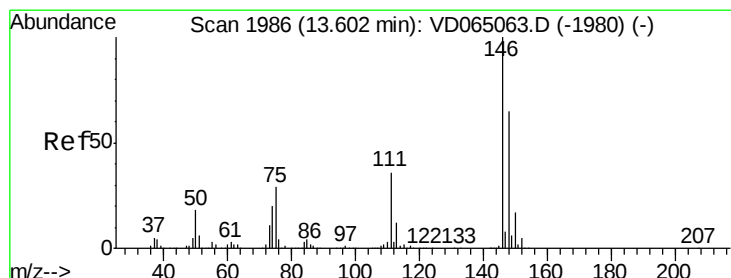
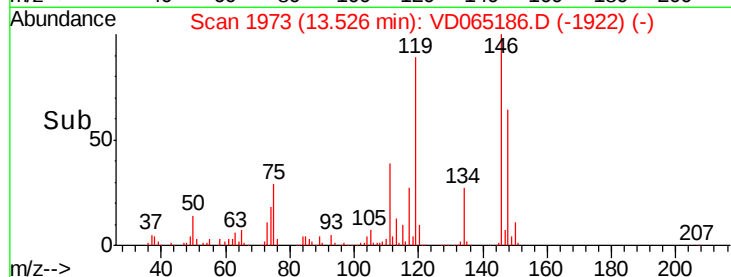
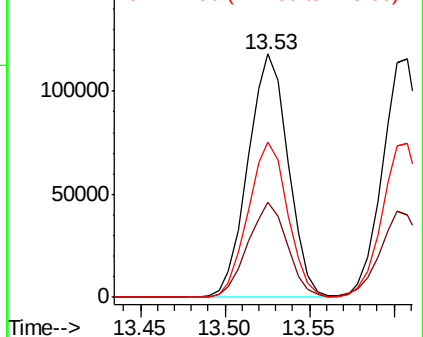
146 100

111 38.1 19.4 58.4

148 62.9 32.3 96.8



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



#88

1,4-Dichlorobenzene

Concen: 21.719 ug/l

RT: 13.61 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

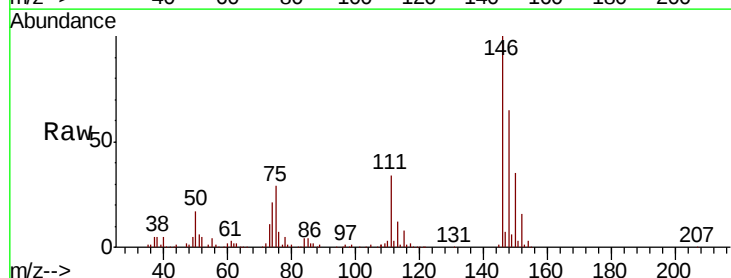
Tgt Ion:146 Resp: 192266

Ion Ratio Lower Upper

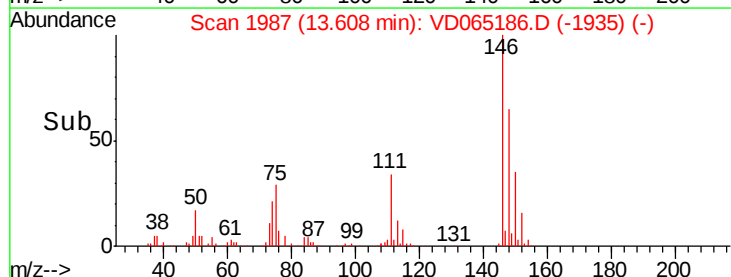
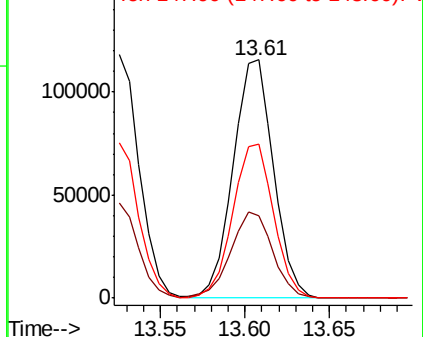
146 100

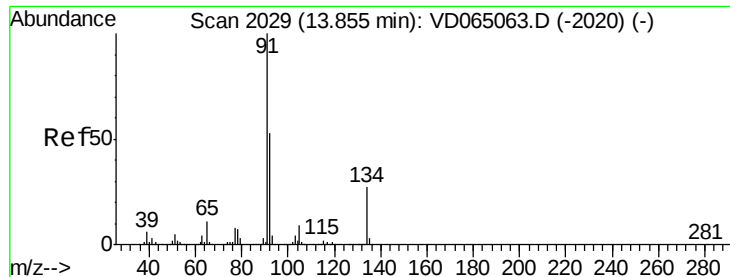
111 37.5 18.5 55.5

148 65.4 32.7 98.1



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

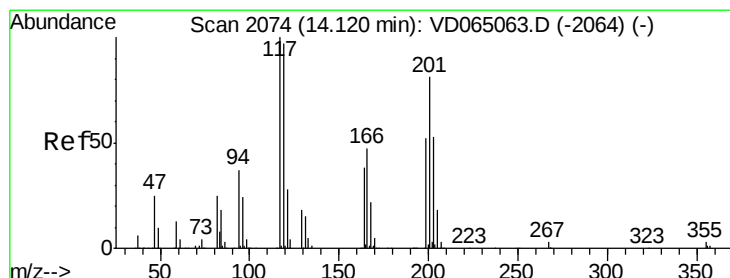
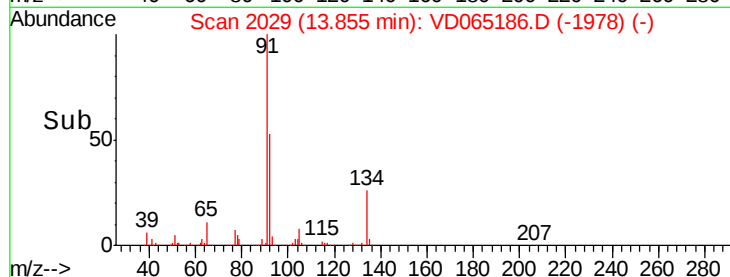
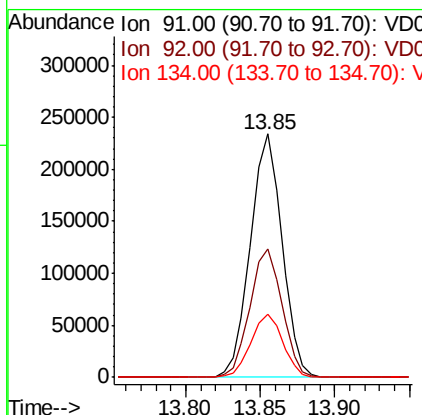
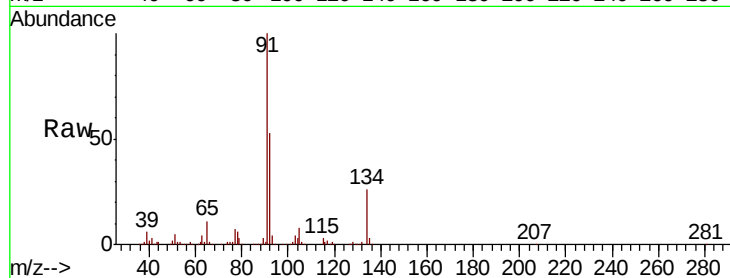




#89
n-Butylbenzene
Concen: 21.119 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

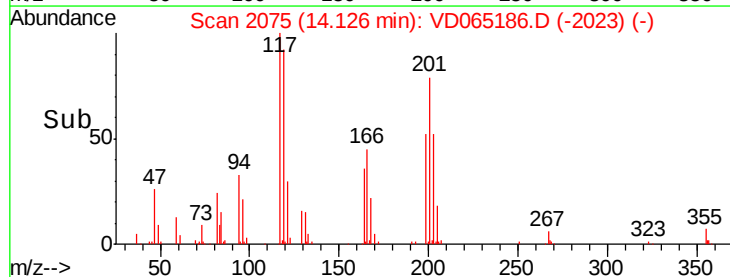
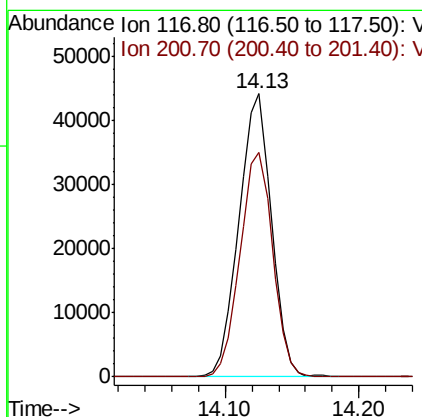
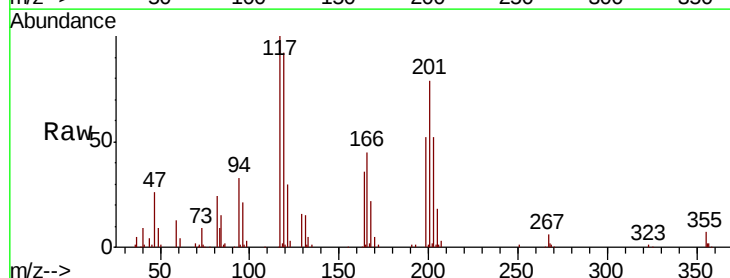
Instrument :
MSVOA_D
ClientSampleId :

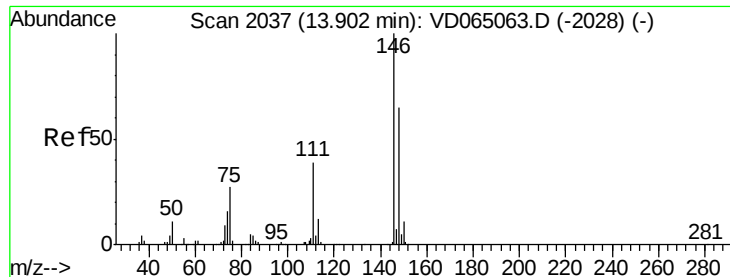
Tot Ion: 91 Resp: 344246
Ion Ratio Lower Upper
91 100
92 53.4 26.7 80.1
134 26.3 13.4 40.2



#90
Hexachloroethane
Concen: 22.289 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion: 117 Resp: 74535
Ion Ratio Lower Upper
117 100
201 79.7 42.5 127.6

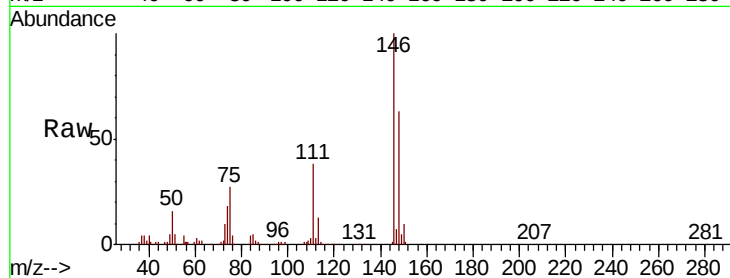




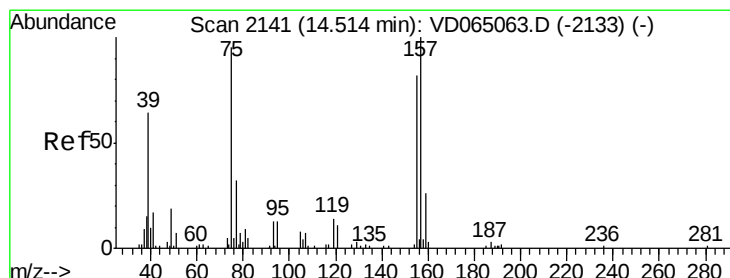
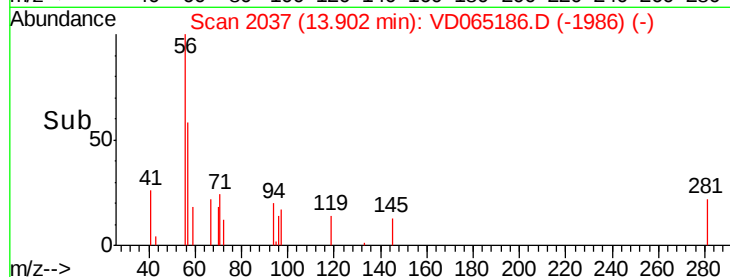
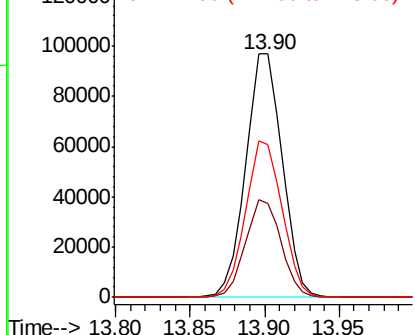
#91
 1,2-Dichlorobenzene
 Concen: 21.544 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.1
148	64.1	31.9	95.5

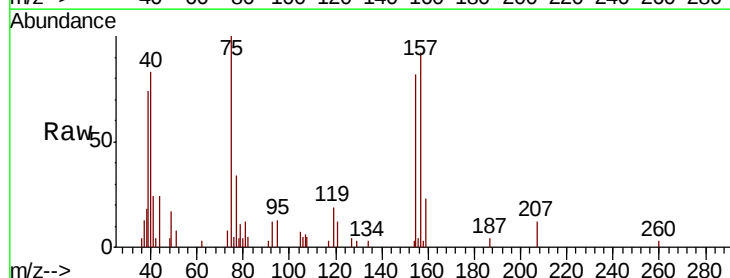


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

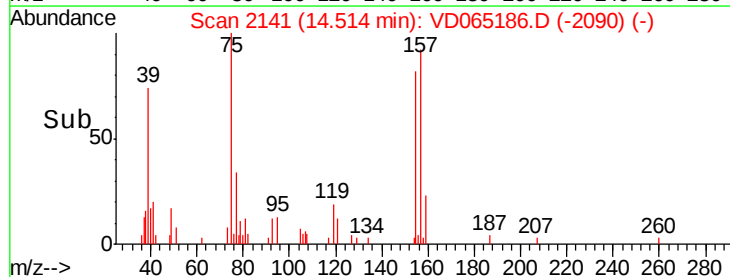
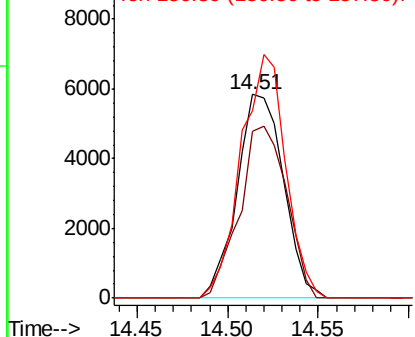


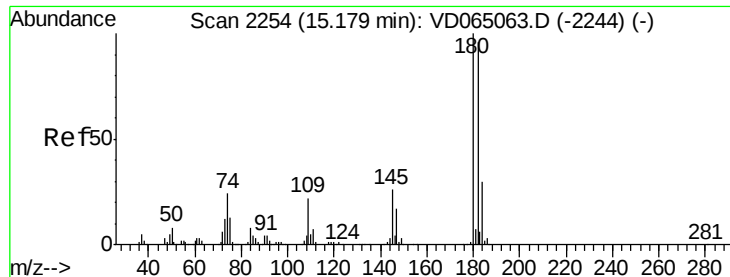
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.615 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.1	43.4	130.1
157	114.5	55.8	167.3



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

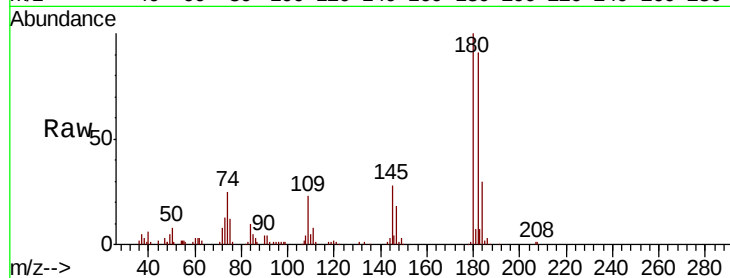




#93
 1,2,4-Trichlorobenzene
 Concen: 19.798 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.4	142.3
145	29.1	14.1	42.4

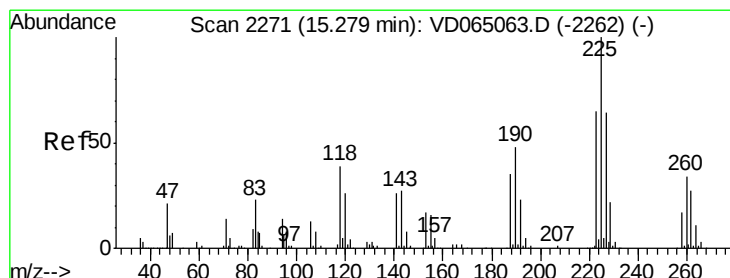
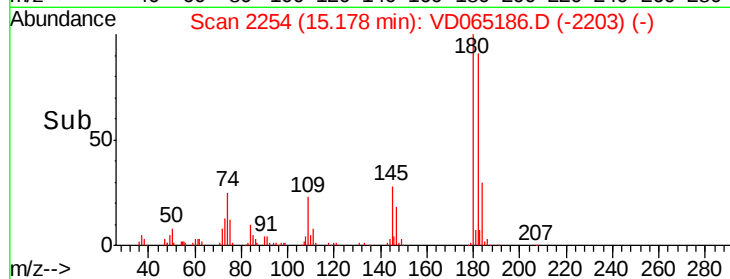
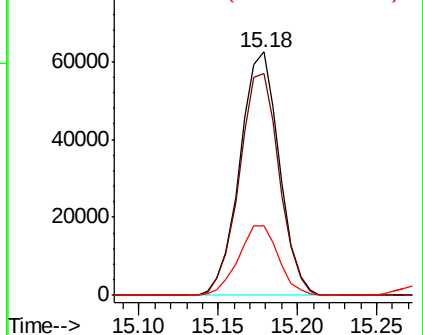


Abundance

Ion 179.80 (179.50 to 180.50): V

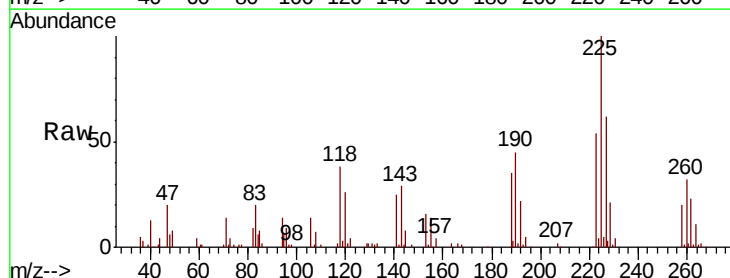
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.112 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.4	94.0
227	65.9	31.8	95.3

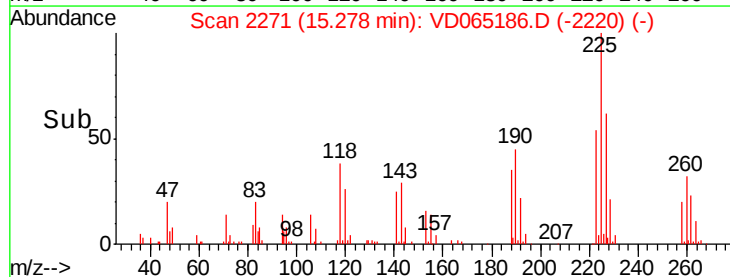
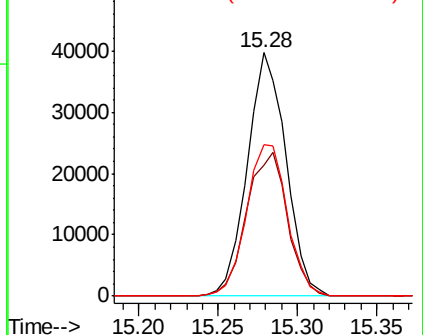


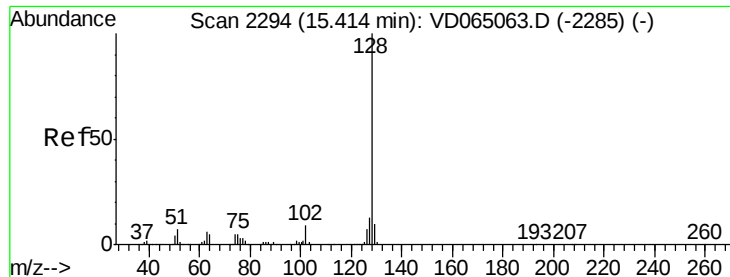
Abundance

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

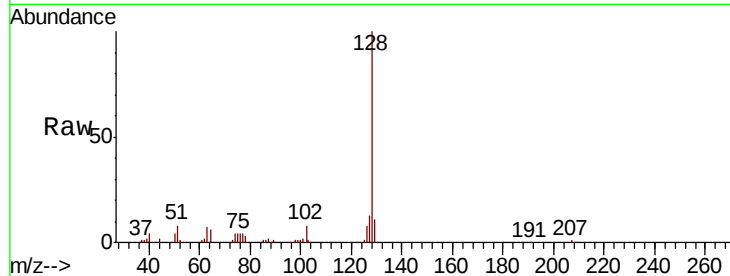




#95
Naphthalene
Concen: 17.973 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	11.1	8.7	13.1

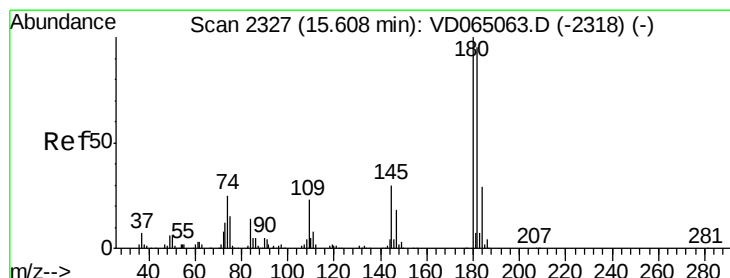
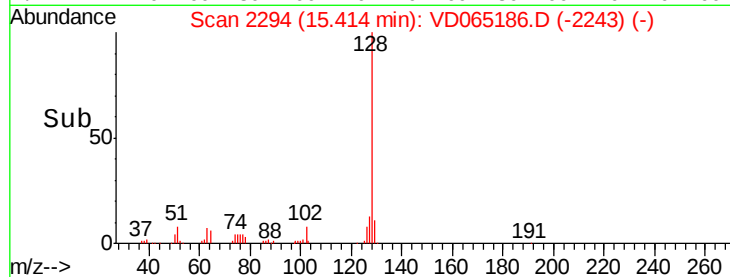
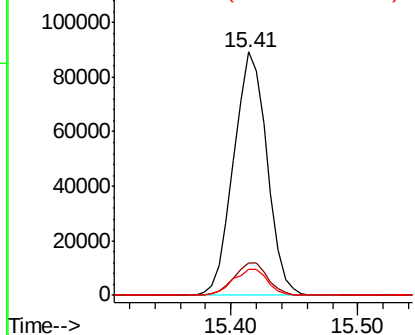


Abundance

Ion 128.00 (127.70 to 128.70): V

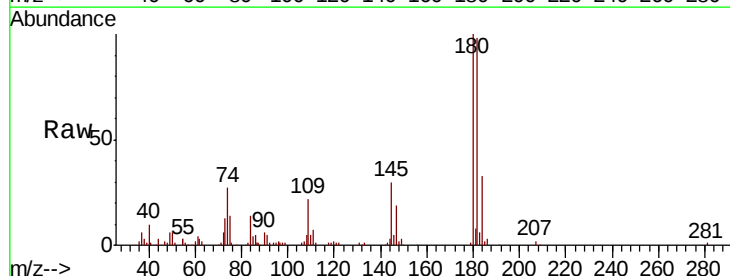
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.956 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.1	141.4
145	31.5	14.9	44.9



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

