

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021320\
 Data File : VD065170.D
 Acq On : 13 Feb 2020 10:08
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 14 07:16:30 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	481093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	683169	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	622602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304200	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	213167	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
35) Dibromofluoromethane	7.92	113	223036	58.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.02%	
50) Toluene-d8	10.34	98	875783	57.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.46%	
62) 4-Bromofluorobenzene	12.64	95	272882	56.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	205067	51.222	ug/l	100
3) Chloromethane	2.21	50	246984	52.408	ug/l	94
4) Vinyl Chloride	2.35	62	258364	51.838	ug/l	99
5) Bromomethane	2.77	94	150472	46.562	ug/l	99
6) Chloroethane	2.93	64	158972	51.420	ug/l	96
7) Trichlorofluoromethane	3.27	101	378189	52.140	ug/l	95
8) Diethyl Ether	3.70	74	101386	48.691	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	230259	51.929	ug/l	99
10) Methyl Iodide	4.30	142	246615	48.728	ug/l	98
11) Tert butyl alcohol	5.25	59	52012	208.193	ug/l	99
12) 1,1-Dichloroethene	4.06	96	216868	51.068	ug/l	95
13) Acrolein	3.93	56	77107	250.935	ug/l	100
14) Allyl chloride	4.71	41	354297	50.198	ug/l	97
15) Acrylonitrile	5.43	53	226048	248.311	ug/l	99
16) Acetone	4.17	43	283531	277.349	ug/l	98
17) Carbon Disulfide	4.40	76	700586	51.381	ug/l	99
18) Methyl Acetate	4.73	43	104729	49.034	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	445450	47.434	ug/l	96
20) Methylene Chloride	4.97	84	234743	52.334	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	247180	51.446	ug/l	95
22) Diisopropyl ether	6.37	45	703205	52.821	ug/l	97
23) Vinyl Acetate	6.31	43	1907037	257.000	ug/l	100
24) 1,1-Dichloroethane	6.27	63	420627	52.199	ug/l	98
25) 2-Butanone	7.22	43	318020	260.791	ug/l	98
26) 2,2-Dichloropropane	7.21	77	379859	52.593	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	257800	50.506	ug/l	99
28) Bromochloromethane	7.55	49	164516	53.858	ug/l	100
29) Tetrahydrofuran	7.57	42	179031	242.774	ug/l	100
30) Chloroform	7.71	83	421606	52.546	ug/l	99
31) Cyclohexane	7.98	56	399480	49.112	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	390109	52.195	ug/l	99
36) 1,1-Dichloropropene	8.11	75	344976	54.306	ug/l	99
37) Ethyl Acetate	7.30	43	129135	49.759	ug/l	98
38) Carbon Tetrachloride	8.10	117	351817	54.226	ug/l	98

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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)
39) Methylcyclohexane	9.36	83	419834	53.544	ug/l	99
40) Benzene	8.35	78	956158	54.506	ug/l	100
41) Methacrylonitrile	7.53	41	76340	53.394	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	254465	50.909	ug/l	98
43) Isopropyl Acetate	8.46	43	245331	49.418	ug/l	98
44) Trichloroethene	9.11	130	262170	52.067	ug/l	98
45) 1,2-Dichloropropane	9.39	63	236530	56.238	ug/l	99
46) Dibromomethane	9.48	93	119104	53.890	ug/l	97
47) Bromodichloromethane	9.67	83	323125	55.487	ug/l	99
48) Methyl methacrylate	9.46	41	125173	52.398	ug/l	95
49) 1,4-Dioxane	9.47	88	27699	1058.139	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	636811	260.606	ug/l	98
52) Toluene	10.41	92	620791	55.447	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	298854	52.709	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	360351	53.140	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	163057	53.788	ug/l	98
56) Ethyl methacrylate	10.67	69	199259	51.949	ug/l	98
57) 1,3-Dichloropropane	10.95	76	282562	53.007	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	286512	229.642	ug/l	99
59) 2-Hexanone	10.99	43	507369	293.134	ug/l	99
60) Dibromochloromethane	11.14	129	216398	55.112	ug/l	99
61) 1,2-Dibromoethane	11.26	107	156294	52.764	ug/l	99
64) Tetrachloroethene	10.88	164	225496	50.405	ug/l	98
65) Chlorobenzene	11.68	112	634018	52.650	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	237224	53.375	ug/l	99
67) Ethyl Benzene	11.75	91	1167226	53.351	ug/l	99
68) m/p-Xylenes	11.86	106	906500	108.559	ug/l	98
69) o-Xylene	12.19	106	399218	53.090	ug/l	100
70) Styrene	12.20	104	709932	54.321	ug/l	99
71) Bromoform	12.37	173	124513	52.049	ug/l #	99
73) Isopropylbenzene	12.48	105	1097687	52.573	ug/l	100
74) N-amyl acetate	12.30	43	221013	48.701	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	172715	52.560	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	230708	100.172	ug/l #	100
77) Bromobenzene	12.77	156	253974	50.487	ug/l	99
78) n-propylbenzene	12.83	91	1321934	54.064	ug/l	99
79) 2-Chlorotoluene	12.91	91	718896	52.746	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	904986	52.981	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	56768	49.295	ug/l	97
82) 4-Chlorotoluene	13.01	91	753698	52.654	ug/l	100
83) tert-Butylbenzene	13.23	119	786998	53.404	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	898964	53.011	ug/l	100
85) sec-Butylbenzene	13.41	105	1089123	54.112	ug/l	100
86) p-Isopropyltoluene	13.53	119	1008060	53.905	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	493199	52.364	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	482730	51.495	ug/l	99
89) n-Butylbenzene	13.86	91	940157	54.468	ug/l	99
90) Hexachloroethane	14.13	117	191100	53.966	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	420481	52.121	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25425	47.397	ug/l	94

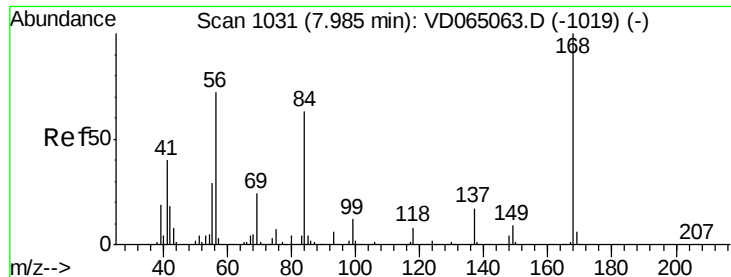
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021320\
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Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	282844	49.054	ug/l	98
94) Hexachlorobutadiene	15.28	225	181511	51.196	ug/l	99
95) Naphthalene	15.41	128	453285	47.298	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	240785	48.820	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

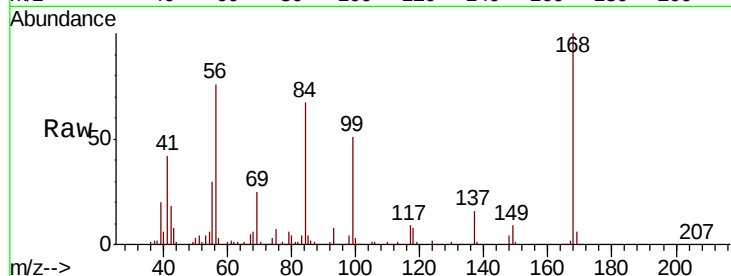
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 481093

Ion Ratio Lower Upper

168 100

99 50.6 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

100000

50000

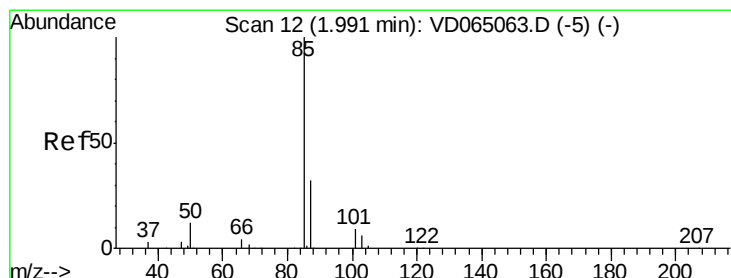
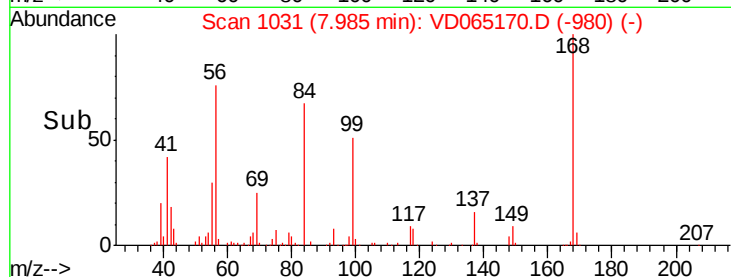
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.222 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065170.D

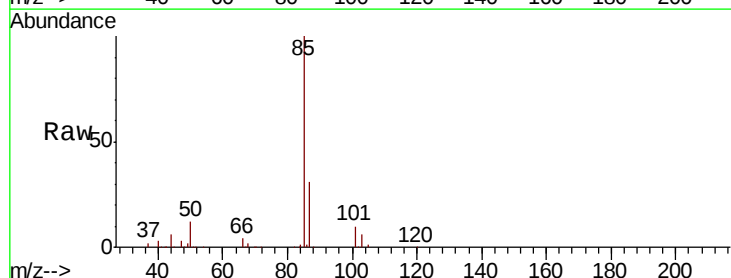
Acq: 13 Feb 2020 10:08

Tgt Ion: 85 Resp: 205067

Ion Ratio Lower Upper

85 100

87 31.3 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

100000

50000

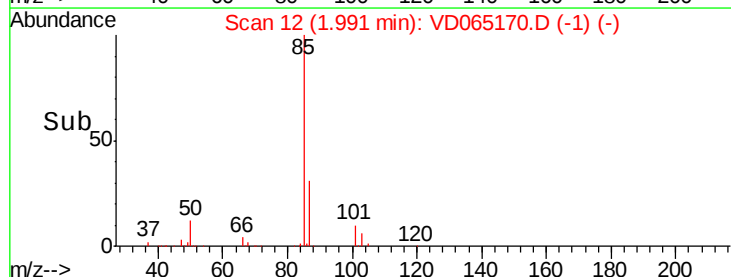
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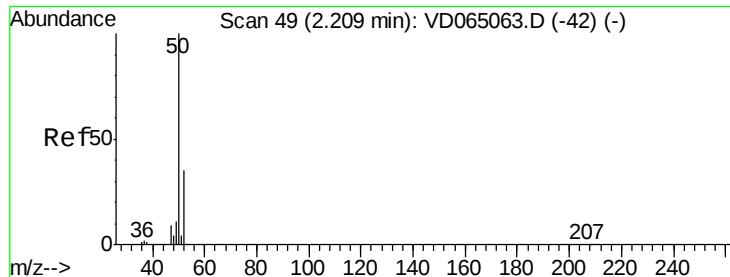
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 52.408 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

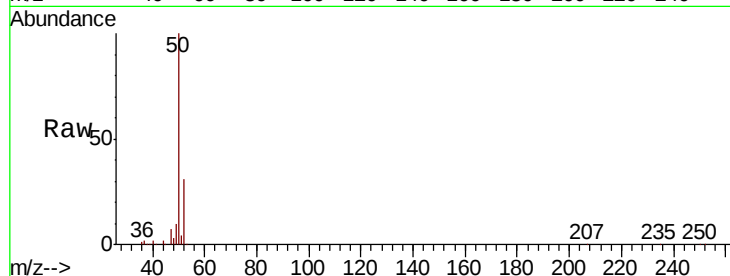
ClientSampleId :

Tot Ion: 50 Resp: 246984

Ion Ratio Lower Upper

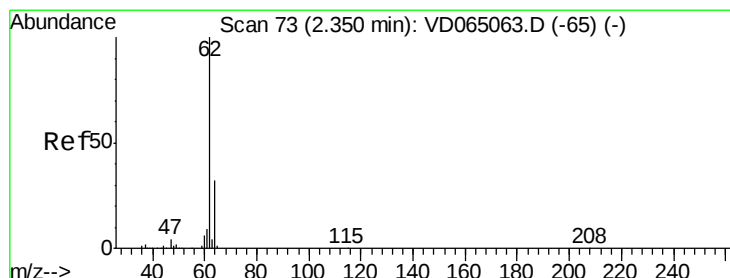
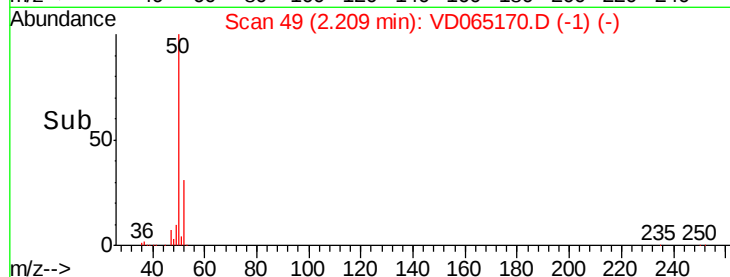
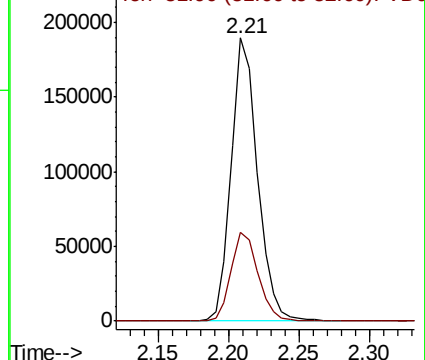
50 100

52 31.5 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.838 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065170.D

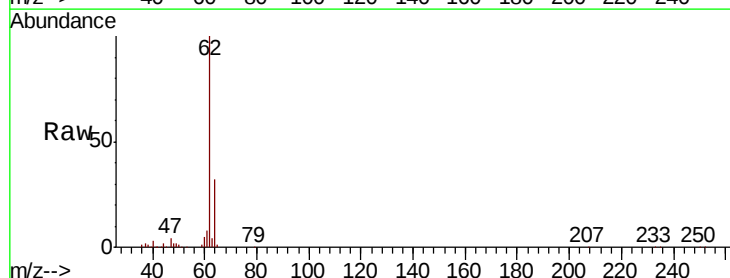
Acq: 13 Feb 2020 10:08

Tgt Ion: 62 Resp: 258364

Ion Ratio Lower Upper

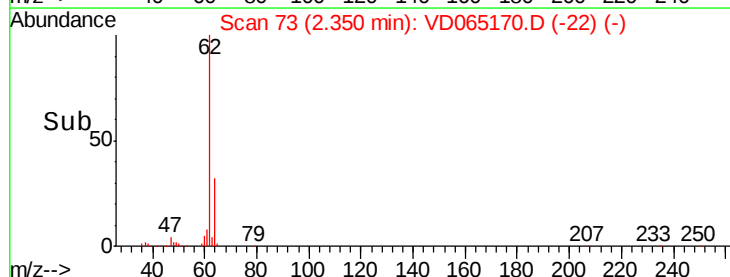
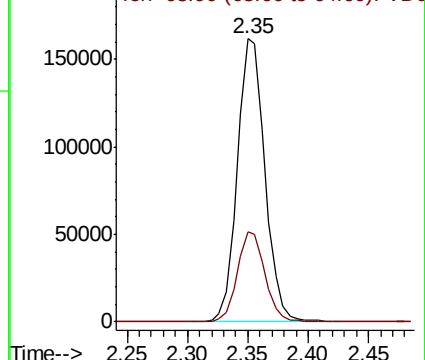
62 100

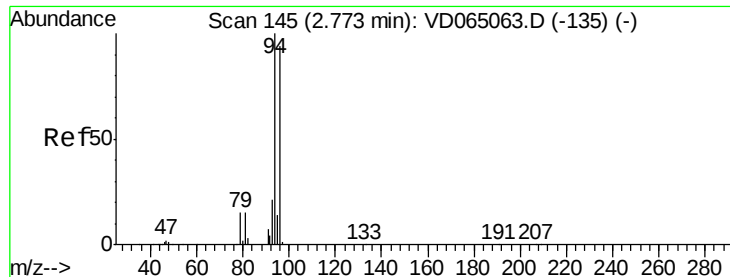
64 31.7 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 46.562 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

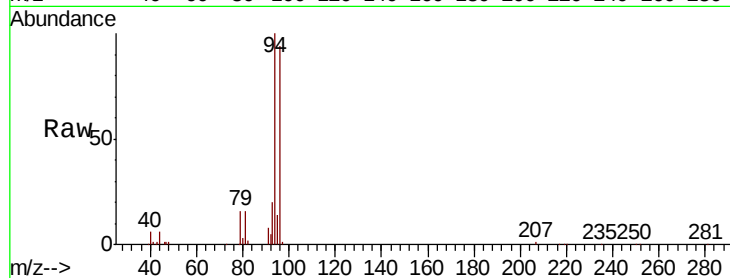
ClientSampleId :

Tot Ion: 94 Resp: 150472

Ion Ratio Lower Upper

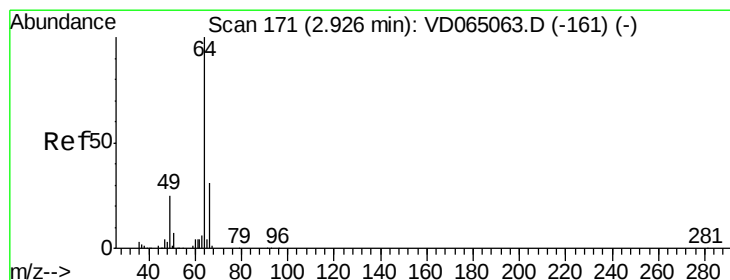
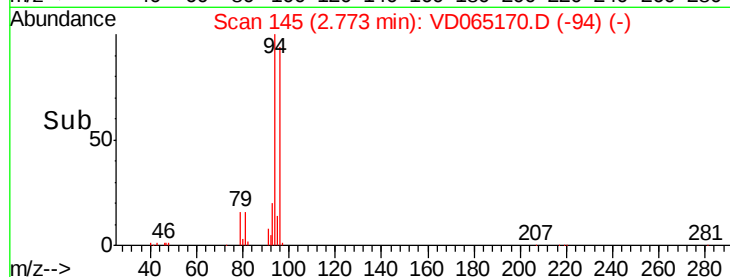
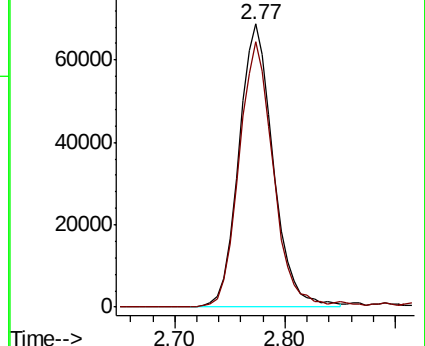
94 100

96 93.6 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 51.420 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065170.D

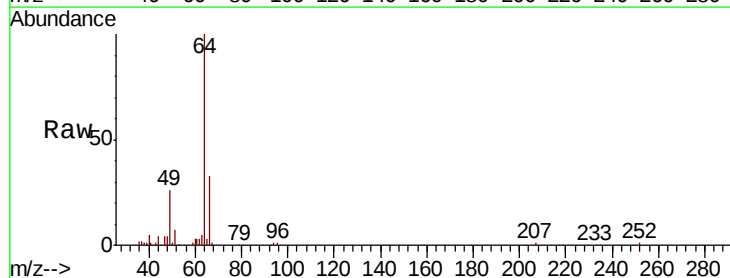
Acq: 13 Feb 2020 10:08

Tgt Ion: 64 Resp: 158972

Ion Ratio Lower Upper

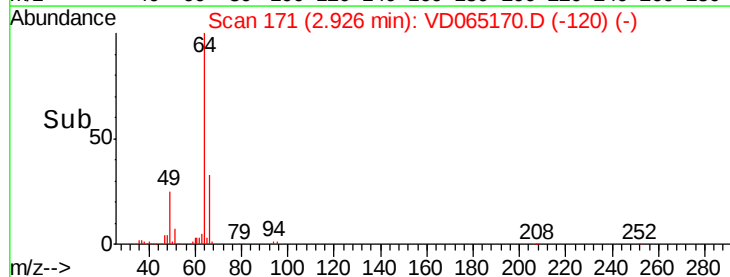
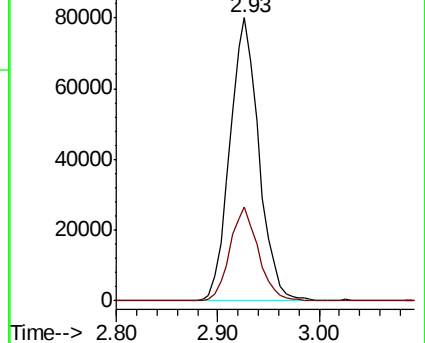
64 100

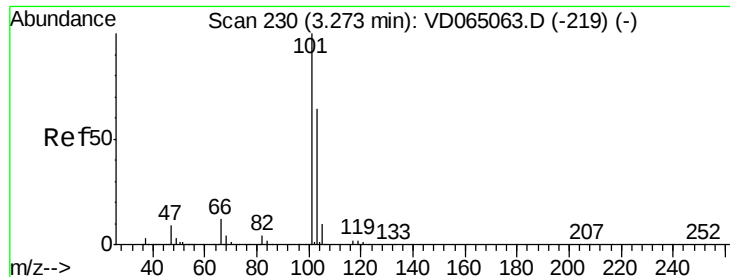
66 33.4 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



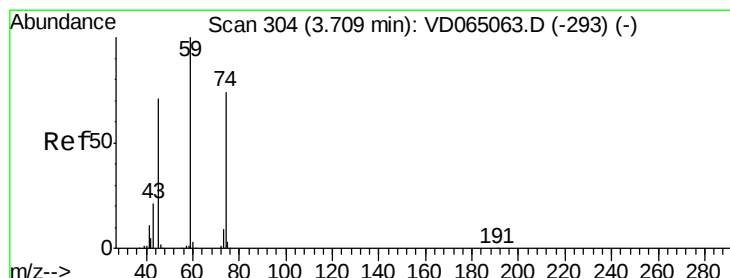
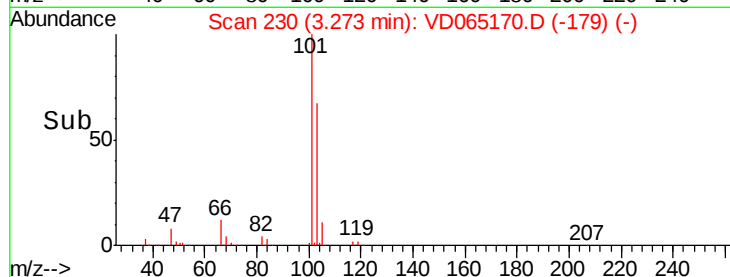
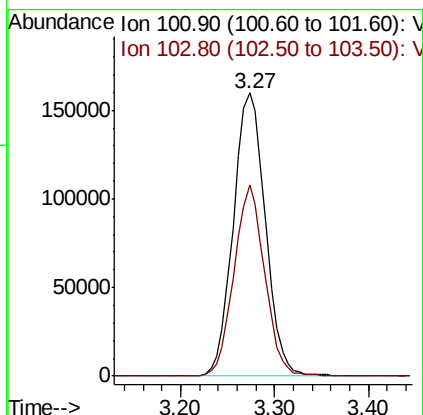
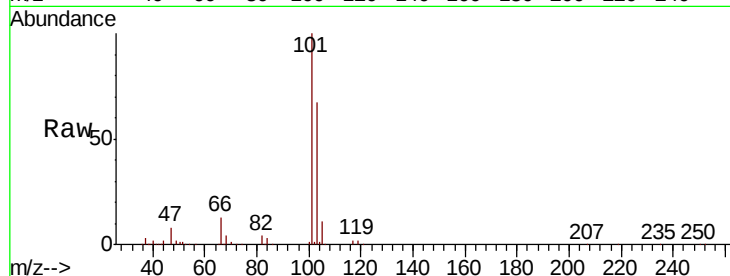


#7

Trichlorofluoromethane
Concen: 52.140 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :

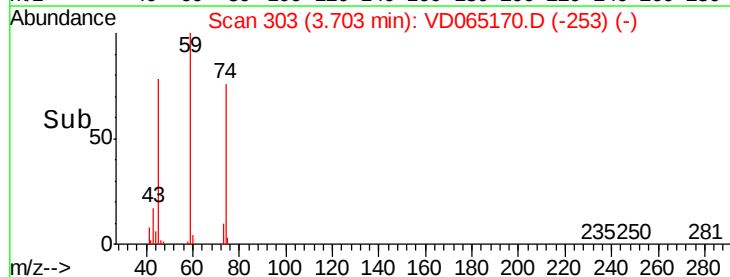
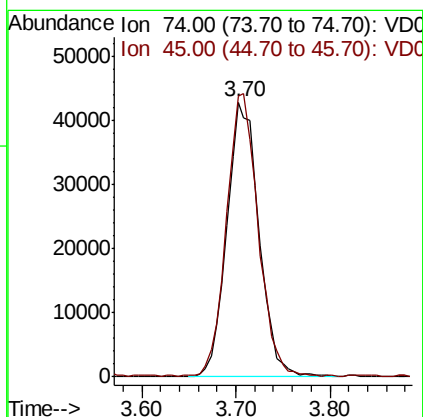
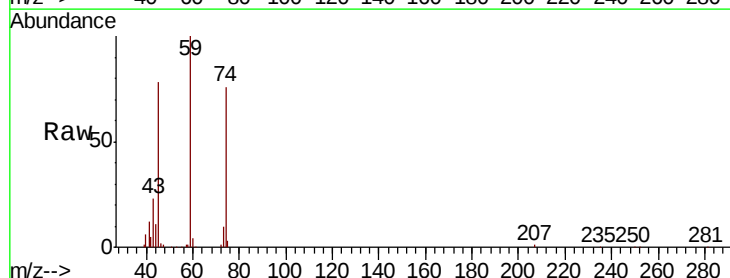
Tot Ion:101 Resp: 378189
Ion Ratio Lower Upper
101 100
103 67.4 51.0 76.6

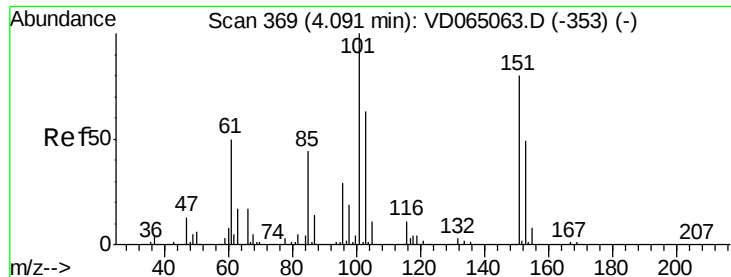


#8

Diethyl Ether
Concen: 48.691 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion: 74 Resp: 101386
Ion Ratio Lower Upper
74 100
45 102.3 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.929 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

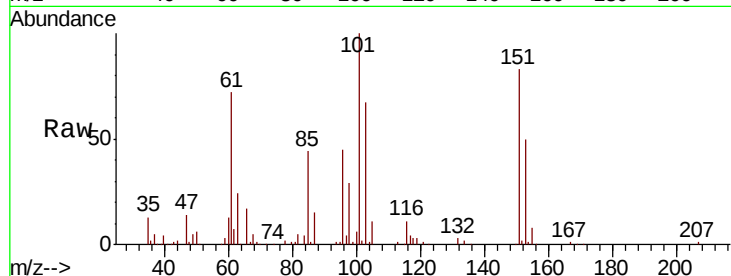
Tot Ion:101 Resp: 230259

Ion Ratio Lower Upper

101 100

85 43.4 34.0 51.0

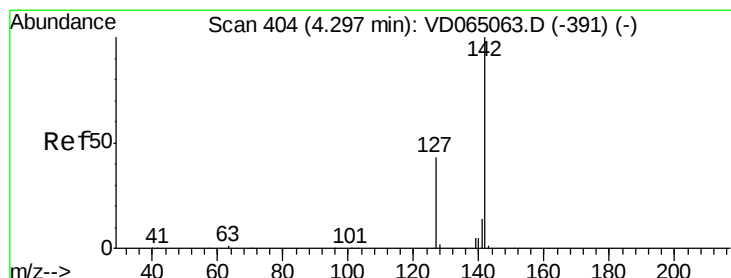
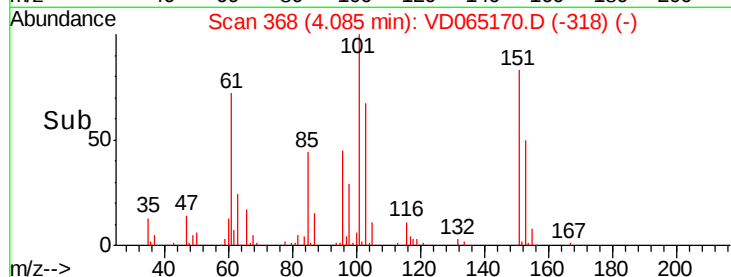
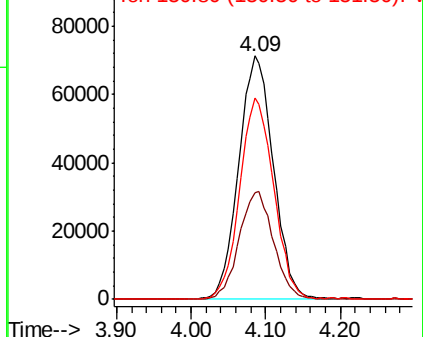
151 80.9 64.0 96.0



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: 48.728 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

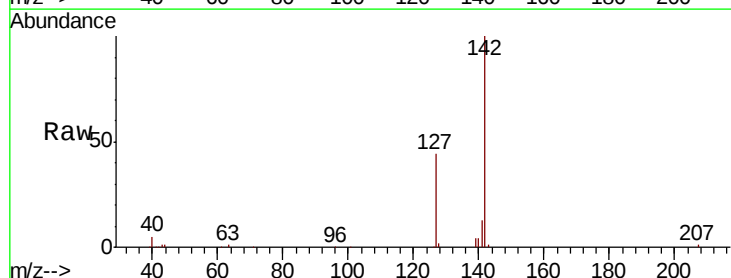
Tgt Ion:142 Resp: 246615

Ion Ratio Lower Upper

142 100

127 43.7 34.0 51.0

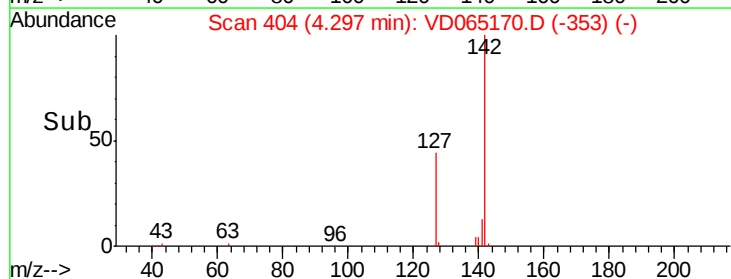
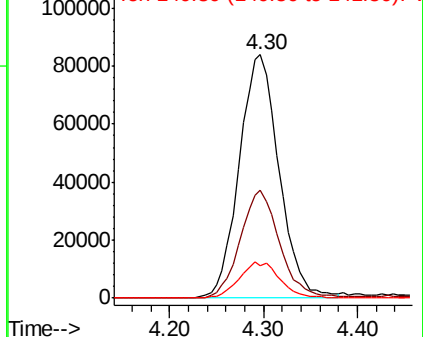
141 14.9 11.6 17.4

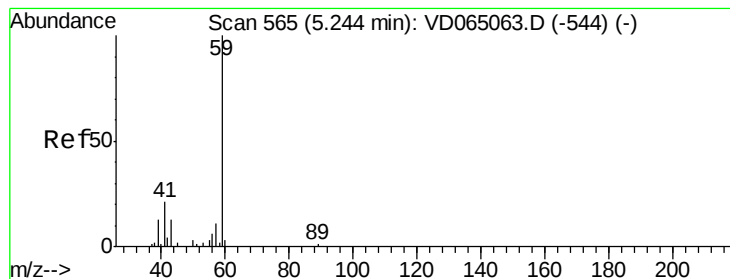


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



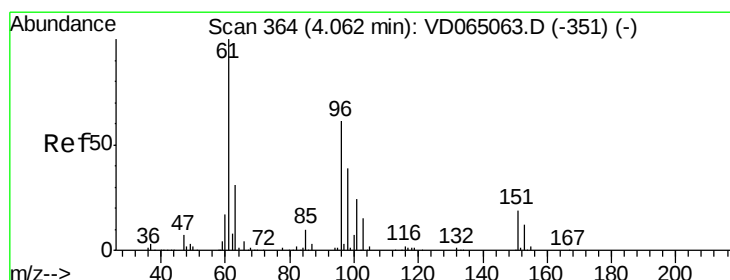
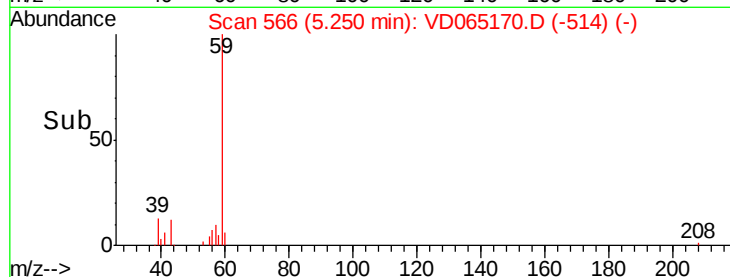
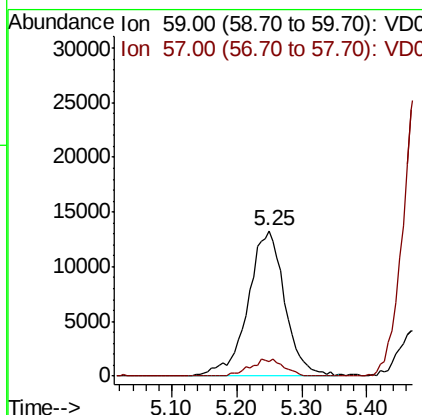
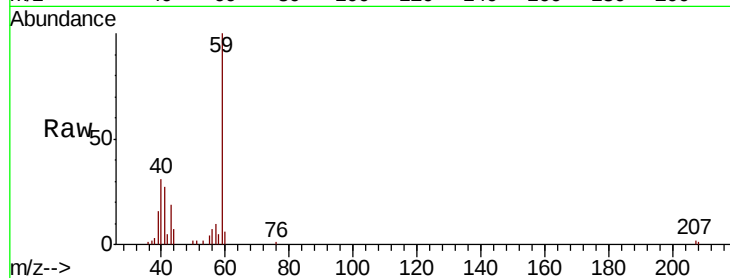


#11

Tert butyl alcohol
Concen: 208.193 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampled :

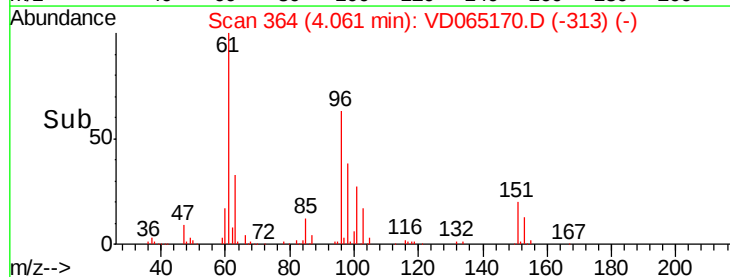
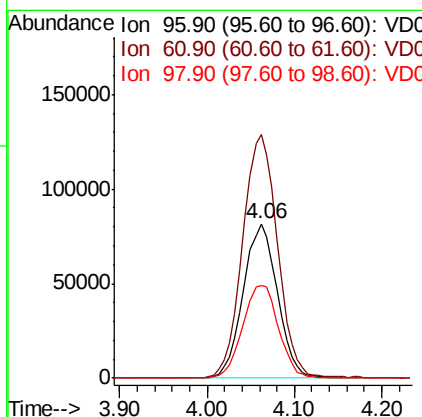
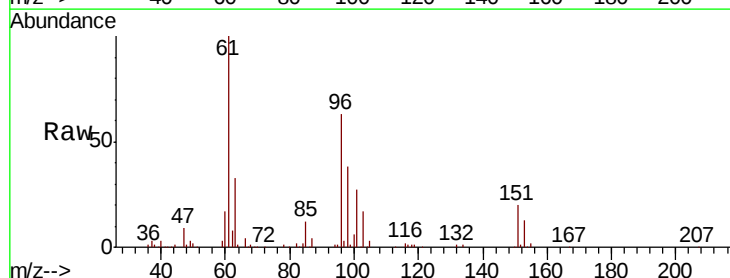
Tot Ion: 59 Resp: 52012
Ion Ratio Lower Upper
59 100
57 10.5 8.8 13.2

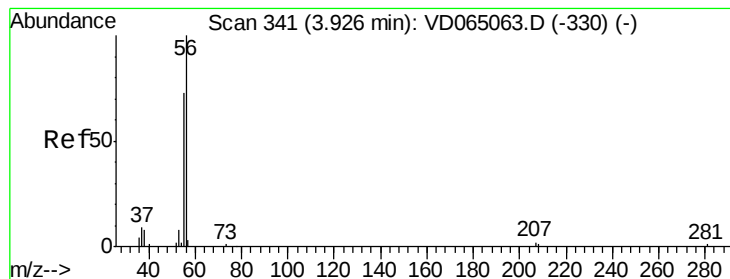


#12

1,1-Dichloroethene
Concen: 51.068 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion: 96 Resp: 216868
Ion Ratio Lower Upper
96 100
61 158.0 131.4 197.2
98 59.8 51.1 76.7





#13

Acrolein

Concen: 250.935 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

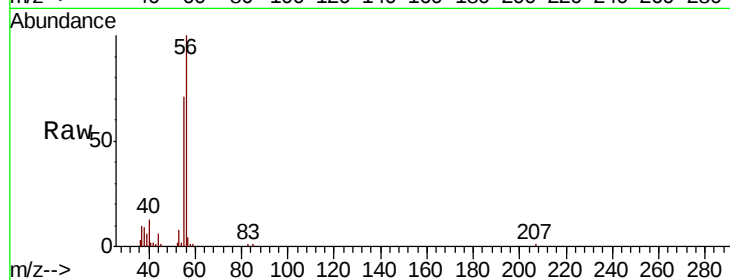
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 77107

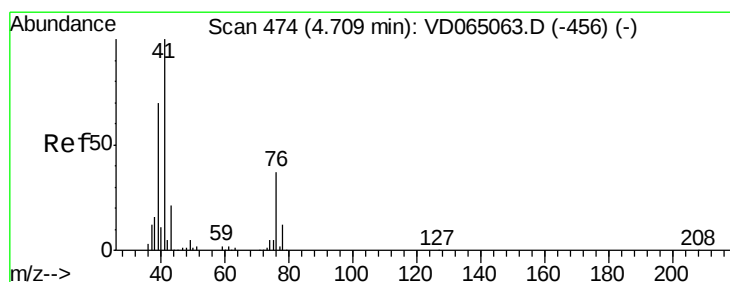
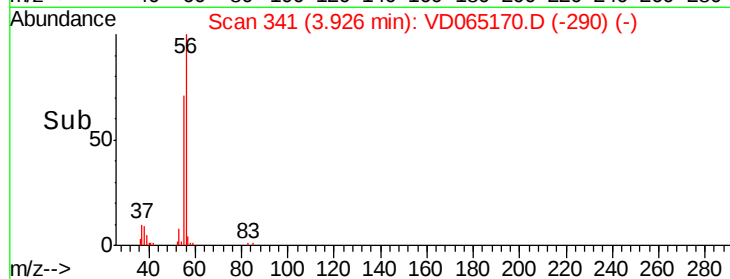
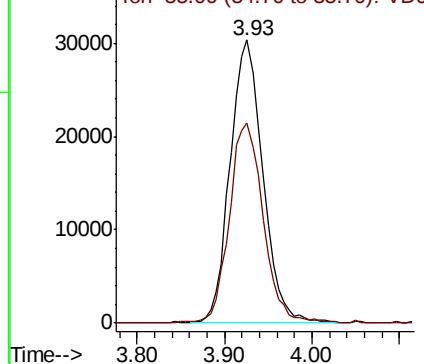
Ion Ratio Lower Upper

56 100

55 72.9 58.2 87.2



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 50.198 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

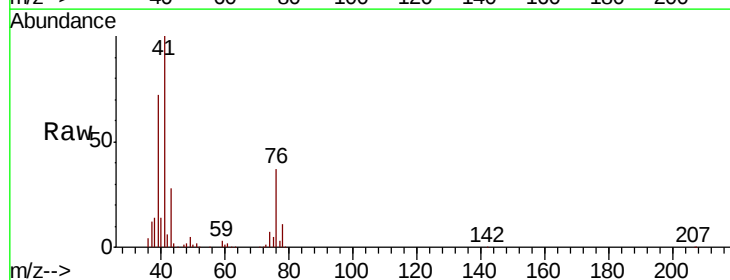
Tgt Ion: 41 Resp: 354297

Ion Ratio Lower Upper

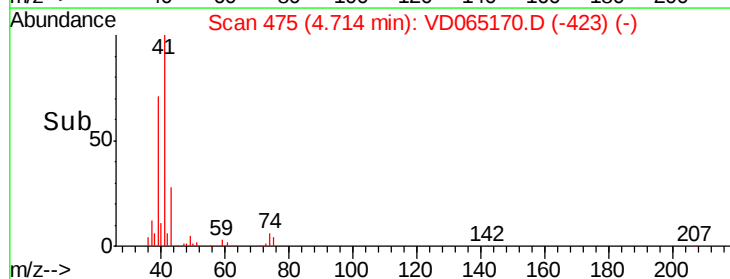
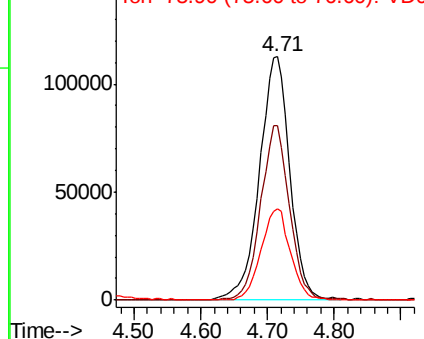
41 100

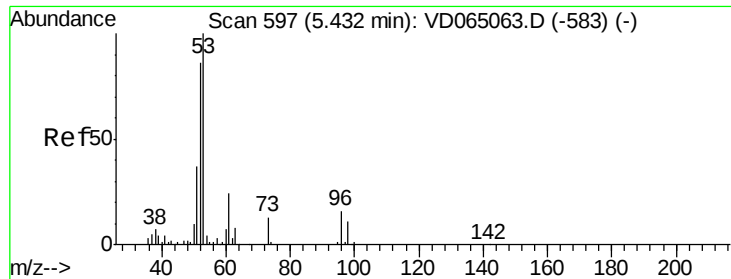
39 68.2 57.1 85.7

76 35.6 28.0 42.0



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 248.311 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

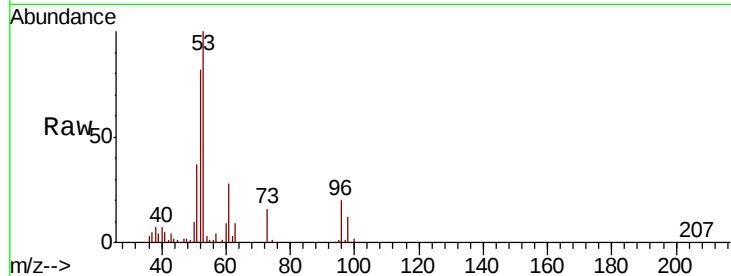
Tot Ion: 53 Resp: 226048

Ion Ratio Lower Upper

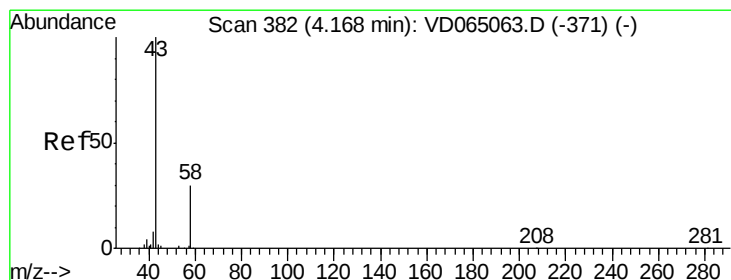
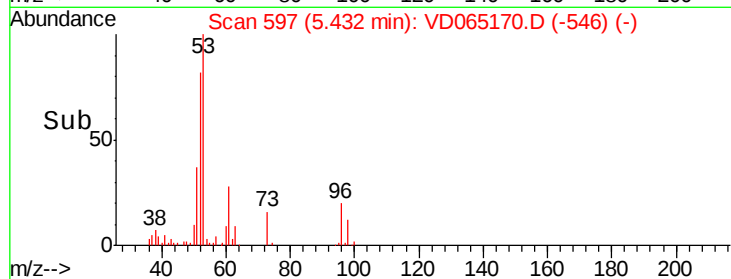
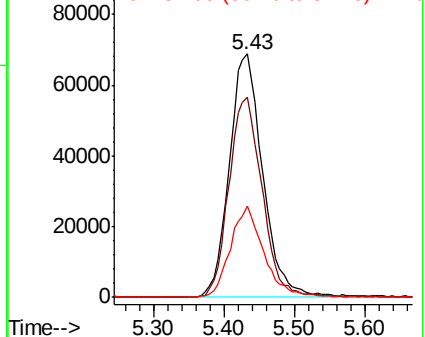
53 100

52 82.0 66.2 99.2

51 37.5 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: 277.349 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065170.D

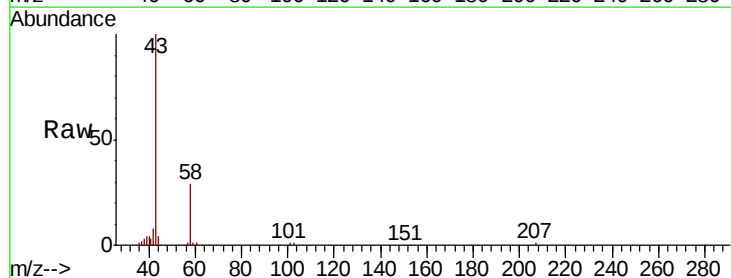
Acq: 13 Feb 2020 10:08

Tgt Ion: 43 Resp: 283531

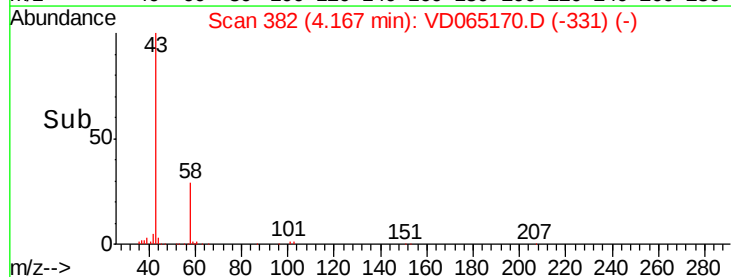
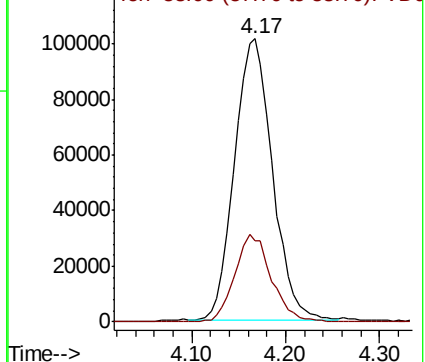
Ion Ratio Lower Upper

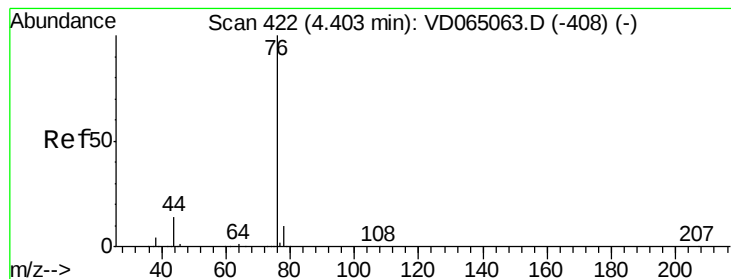
43 100

58 28.5 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: 51.381 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

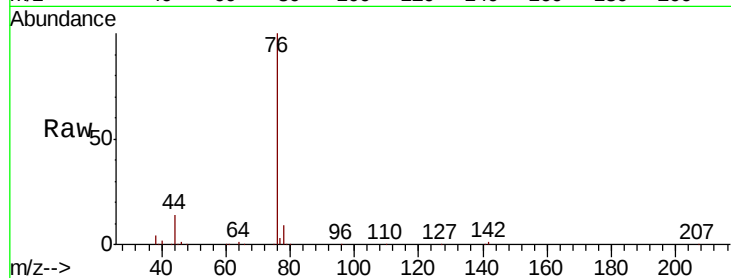
ClientSampled :

Tot Ion: 76 Resp: 700586

Ion Ratio Lower Upper

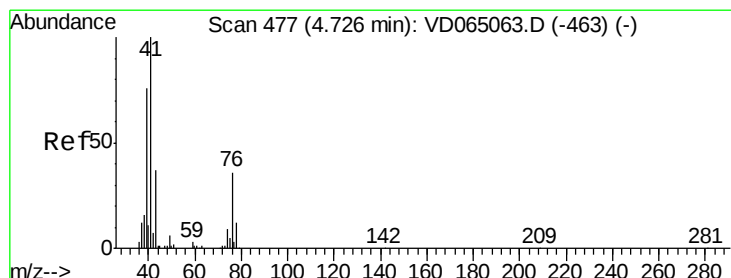
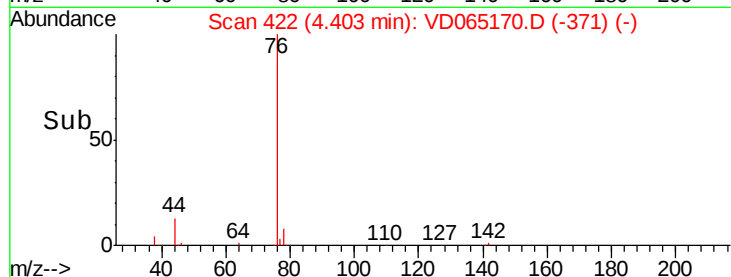
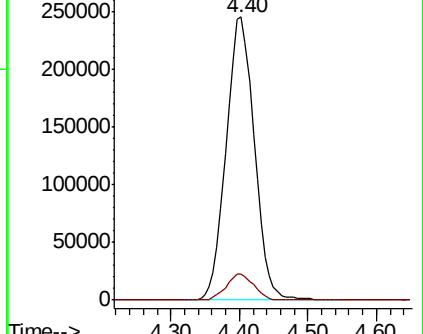
76 100

78 9.1 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 49.034 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD065170.D

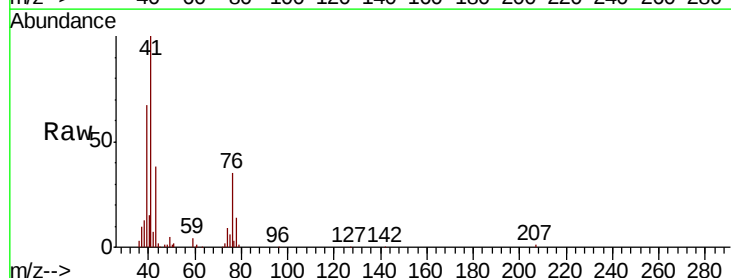
Acq: 13 Feb 2020 10:08

Tgt Ion: 43 Resp: 104729

Ion Ratio Lower Upper

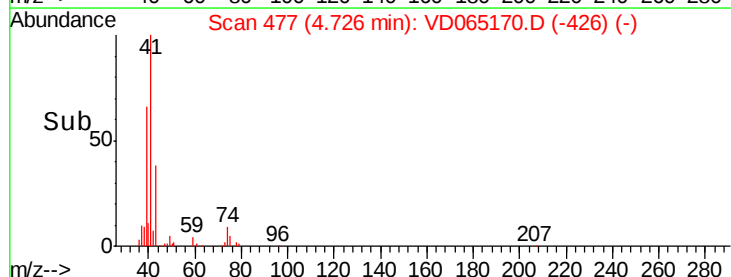
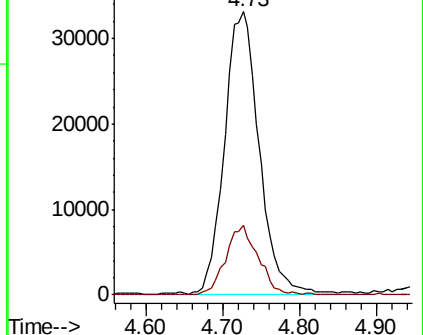
43 100

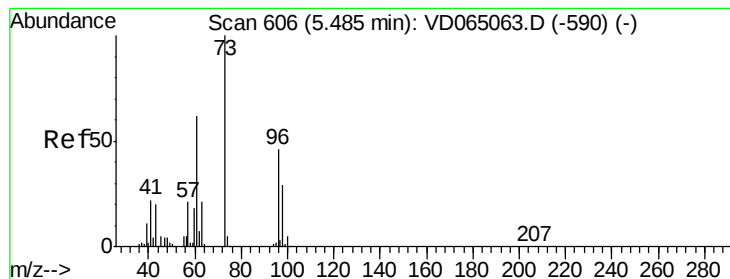
74 22.7 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



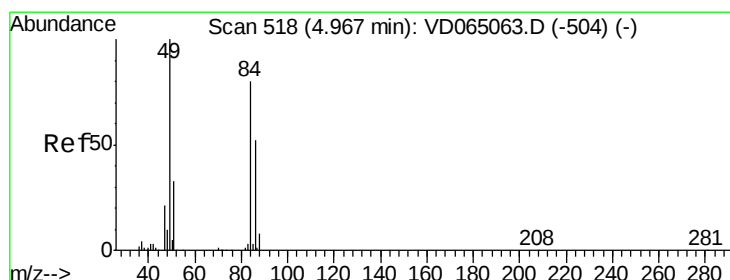
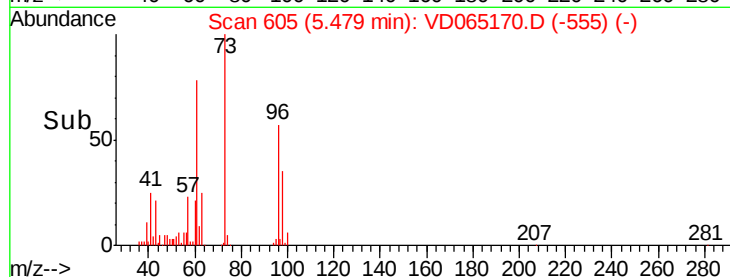
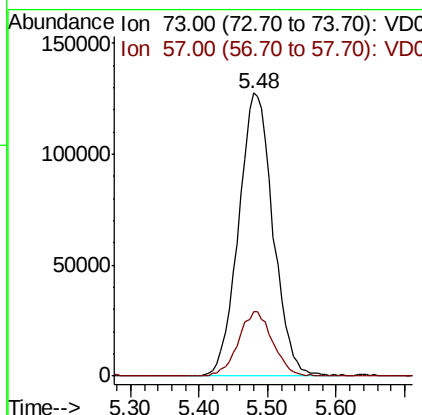
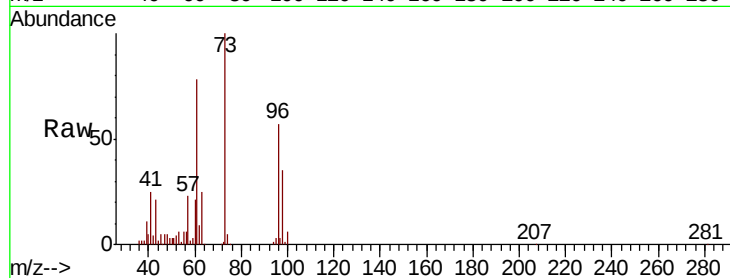


#19

Methyl tert-butyl Ether
 Concen: 47.434 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Instrument :
 MSVOA_D
 ClientSampled :

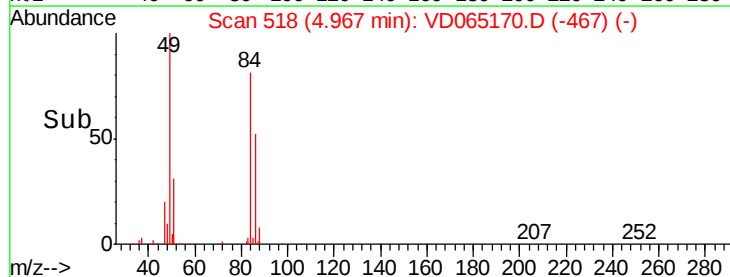
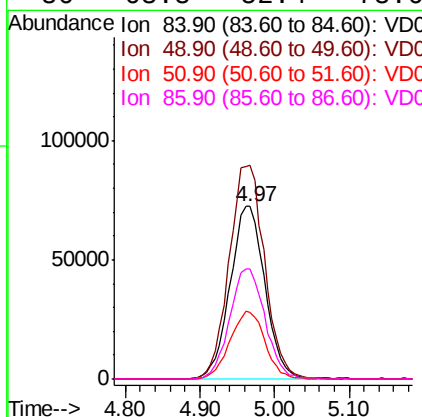
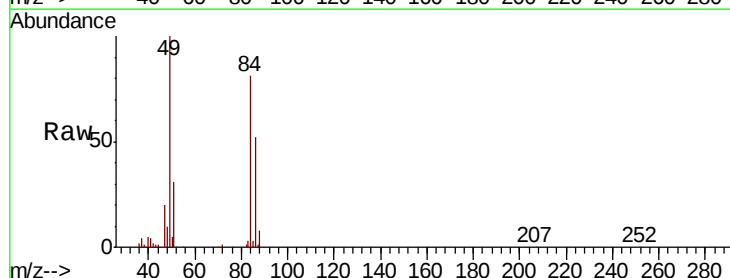
Tot Ion: 73 Resp: 445450
 Ion Ratio Lower Upper
 73 100
 57 22.8 16.8 25.2

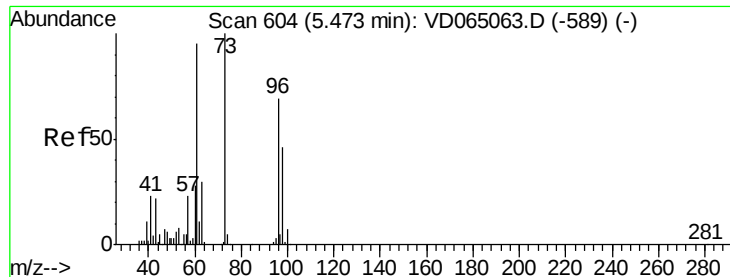


#20

Methylene Chloride
 Concen: 52.334 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Tgt Ion: 84 Resp: 234743
 Ion Ratio Lower Upper
 84 100
 49 123.6 100.4 150.6
 51 38.7 32.7 49.1
 86 63.8 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 51.446 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampled :

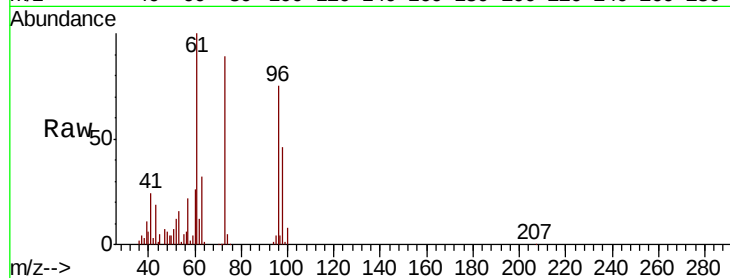
Tot Ion: 96 Resp: 247180

Ion Ratio Lower Upper

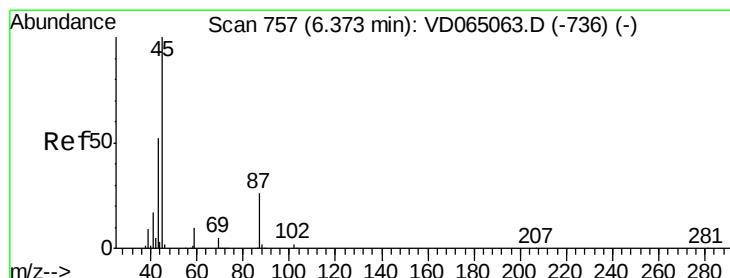
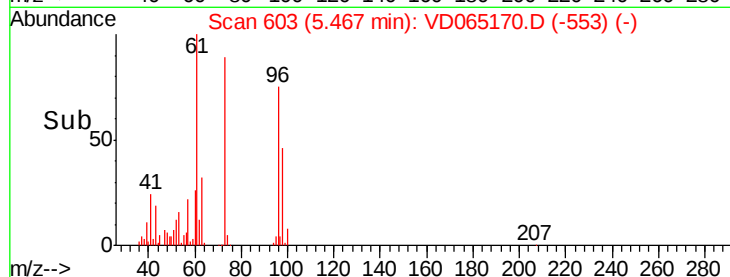
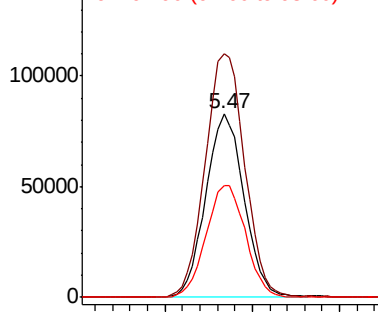
96 100

61 132.7 109.5 164.3

98 61.0 53.7 80.5



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



#22

Diisopropyl ether

Concen: 52.821 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Tgt Ion: 45 Resp: 703205

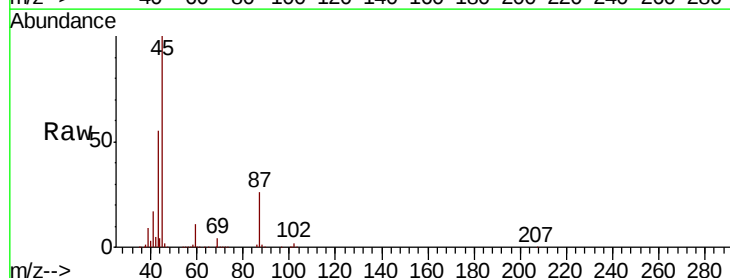
Ion Ratio Lower Upper

45 100

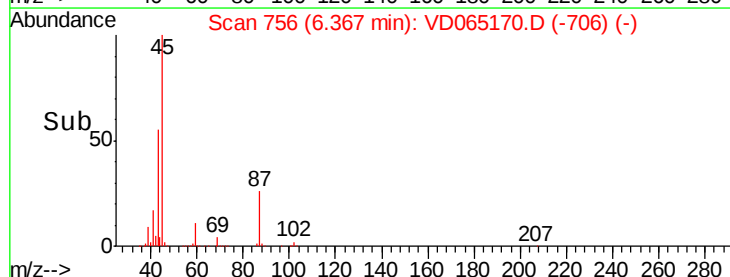
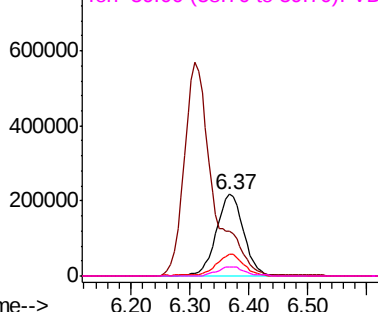
43 54.5 41.3 61.9

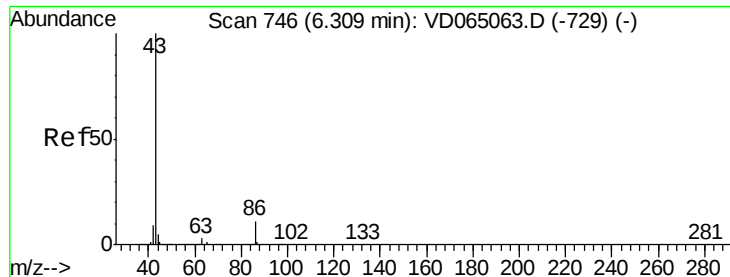
87 26.0 21.0 31.6

59 11.4 8.2 12.4



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

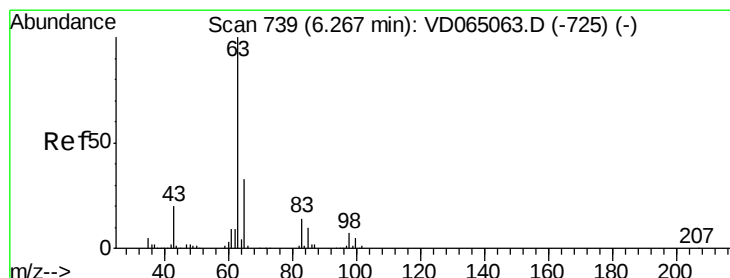
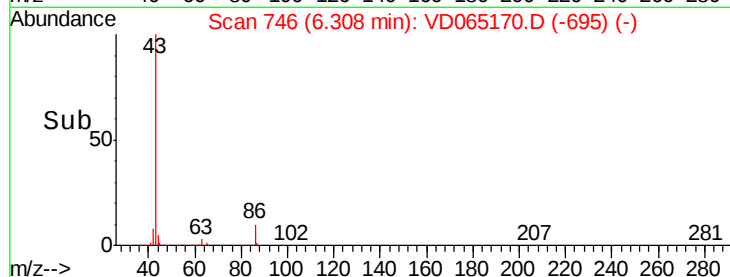
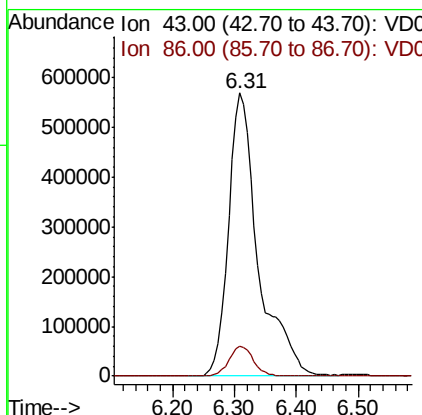
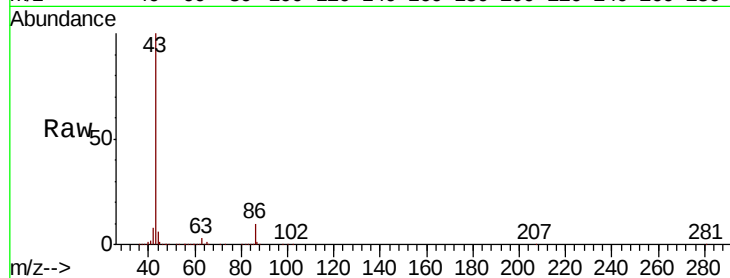




#23
 Vinyl Acetate
 Concen: 257.000 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

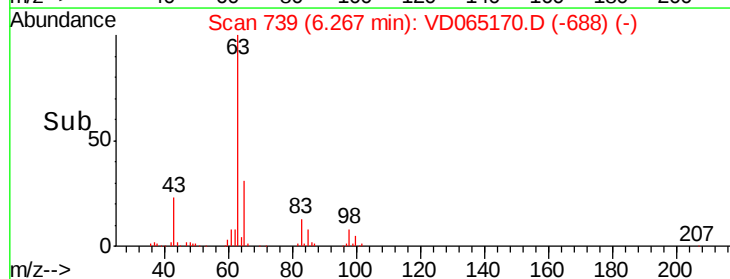
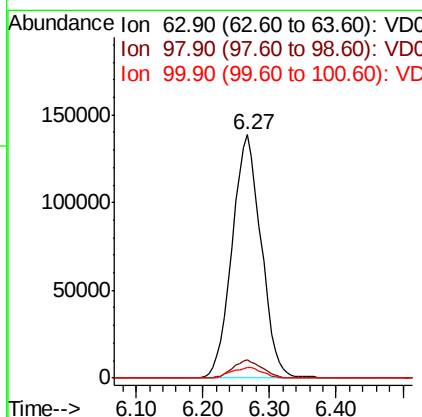
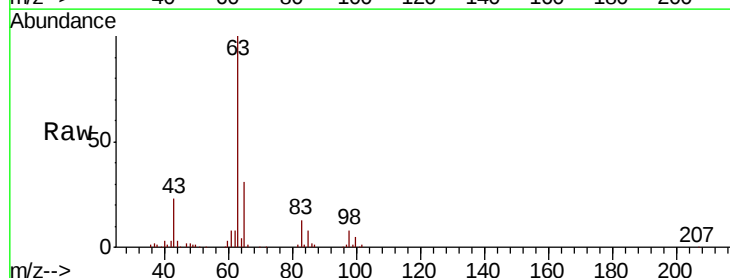
Instrument :
 MSVOA_D
 ClientSampleId :

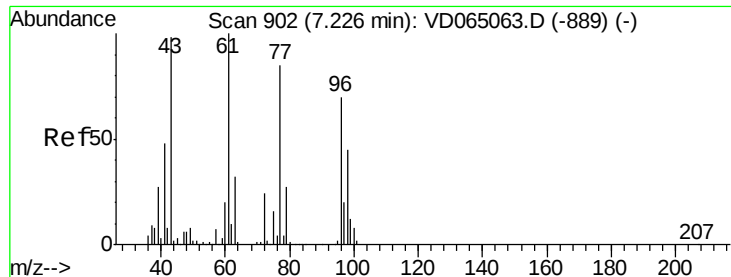
Tot Ion: 43 Resp: 1907037
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.5 12.7



#24
 1,1-Dichloroethane
 Concen: 52.199 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Tgt Ion: 63 Resp: 420627
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.5 10.4
 100 4.6 2.5 7.6





#25

2-Butanone

Concen: 260.791 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

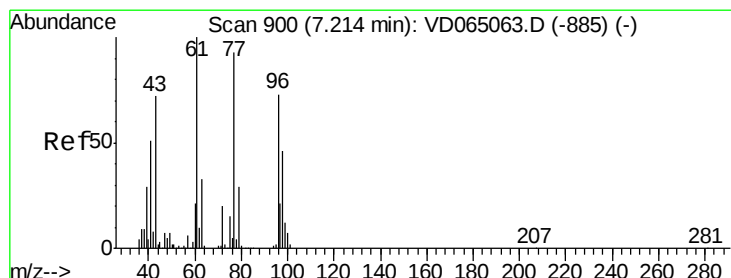
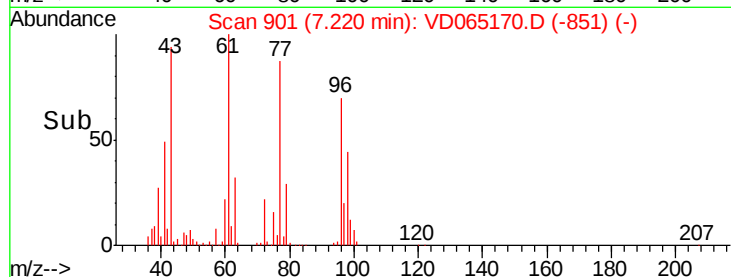
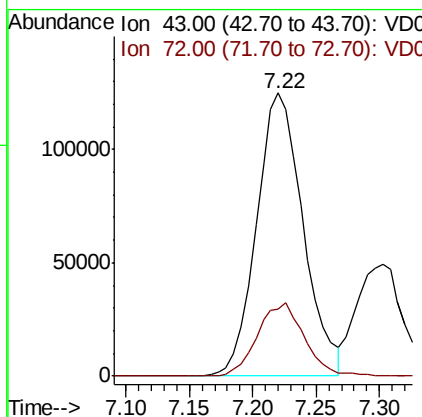
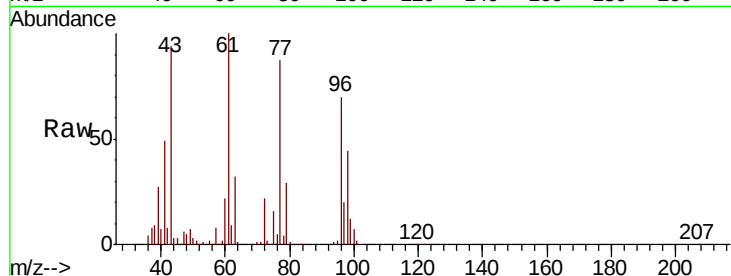
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 318020

Ion Ratio Lower Upper

43 100

72 23.9 19.9 29.9



#26

2,2-Dichloropropane

Concen: 52.593 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065170.D

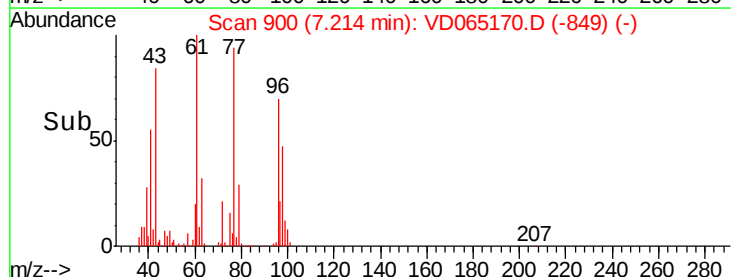
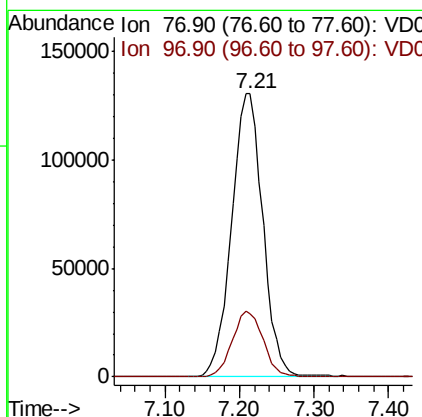
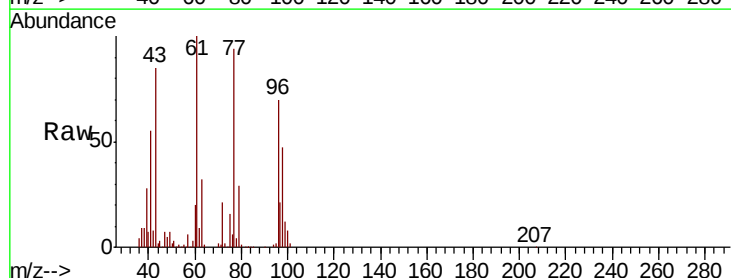
Acq: 13 Feb 2020 10:08

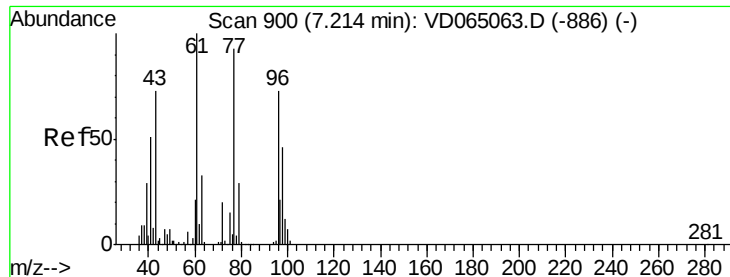
Tgt Ion: 77 Resp: 379859

Ion Ratio Lower Upper

77 100

97 23.0 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 50.506 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

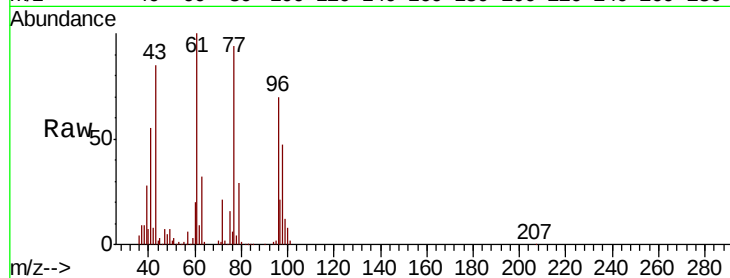
Tot Ion: 96 Resp: 257800

Ion Ratio Lower Upper

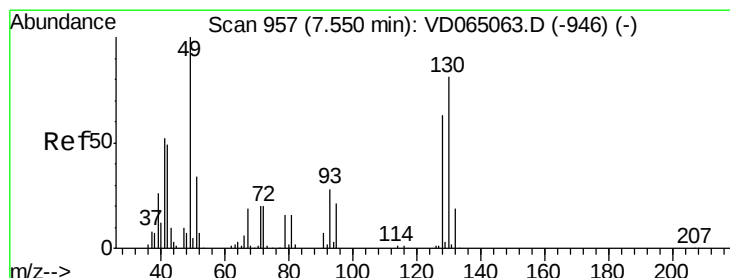
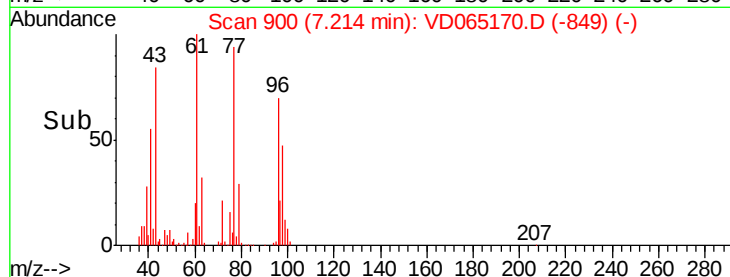
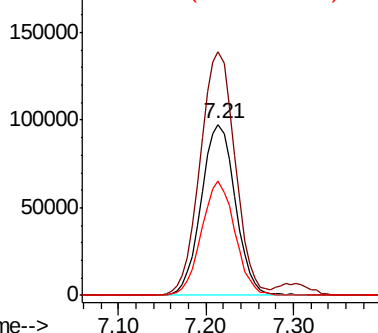
96 100

61 146.1 0.0 292.8

98 65.5 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: 53.858 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

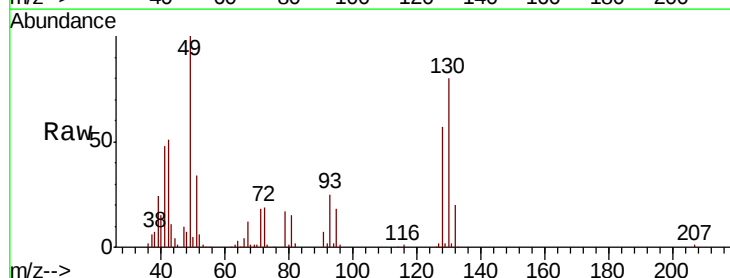
Tgt Ion: 49 Resp: 164516

Ion Ratio Lower Upper

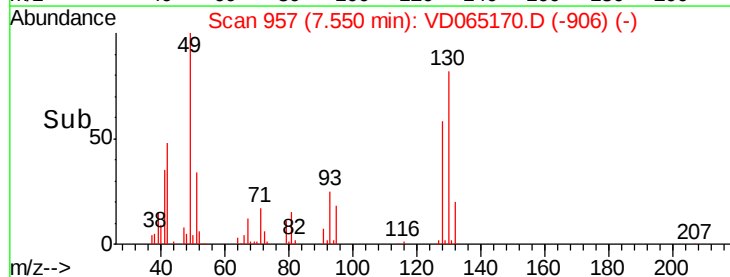
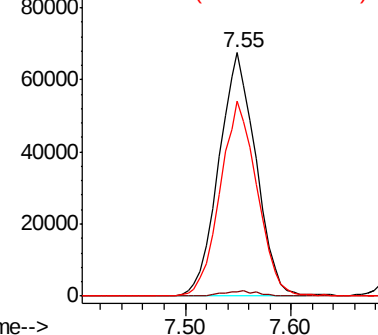
49 100

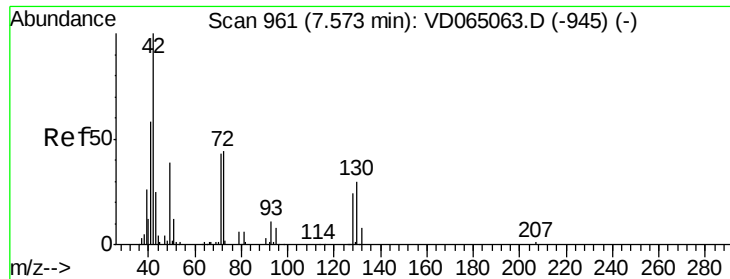
129 2.2 0.0 4.4

130 79.9 63.8 95.8



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

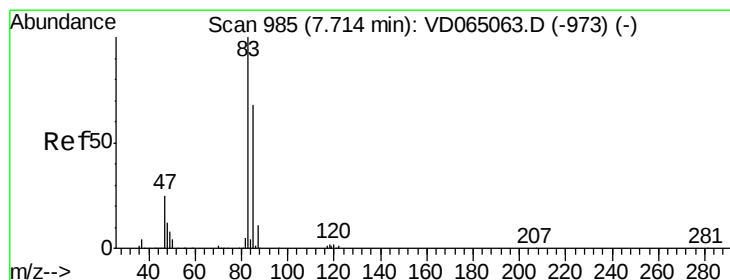
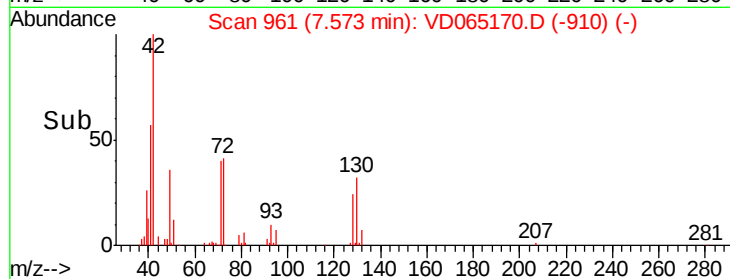
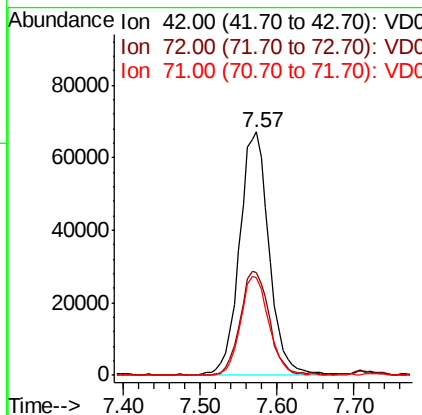
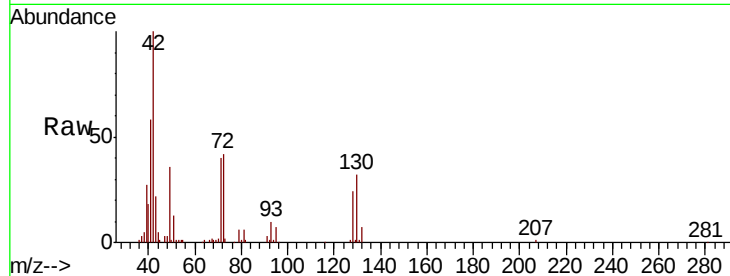




#29
Tetrahydrofuran
Concen: 242.774 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

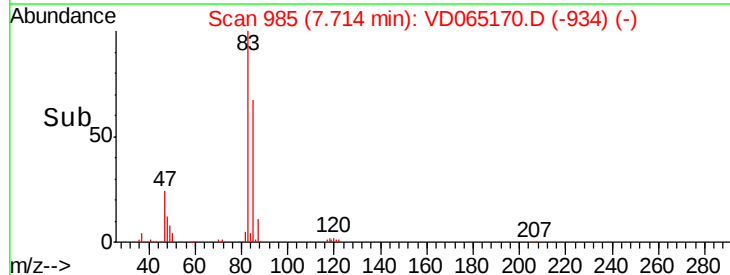
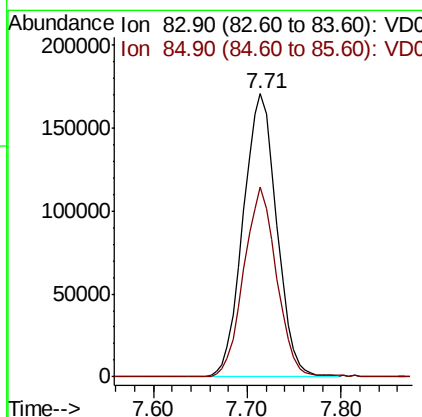
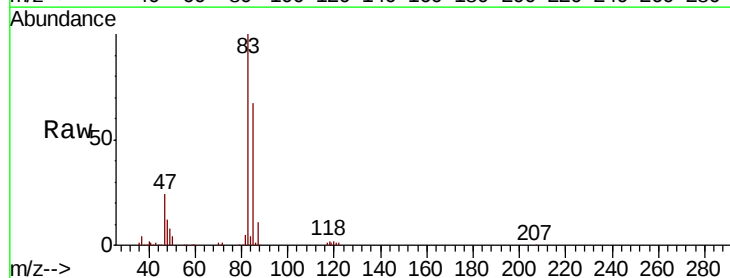
Instrument :
MSVOA_D
ClientSampleId :

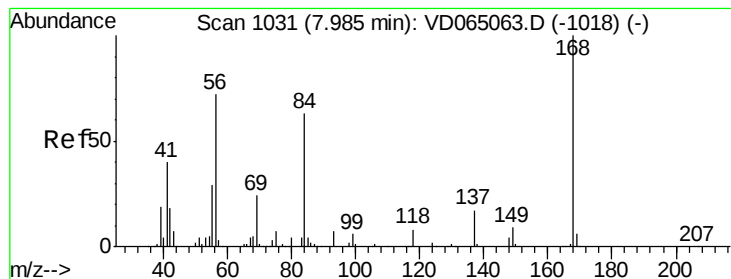
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.2	51.4
71	39.2	31.8	47.6



#30
Chloroform
Concen: 52.546 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	54.2	81.4





#31

Cyclohexane

Concen: 49.112 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampled :

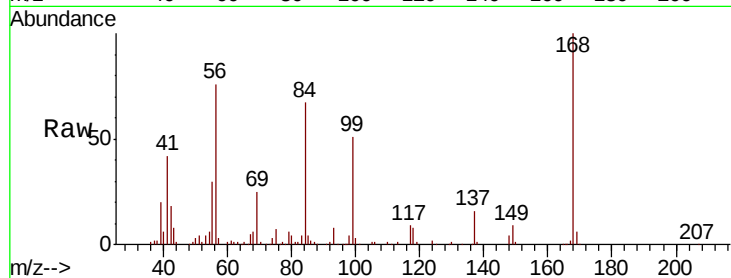
Tot Ion: 56 Resp: 399480

Ion Ratio Lower Upper

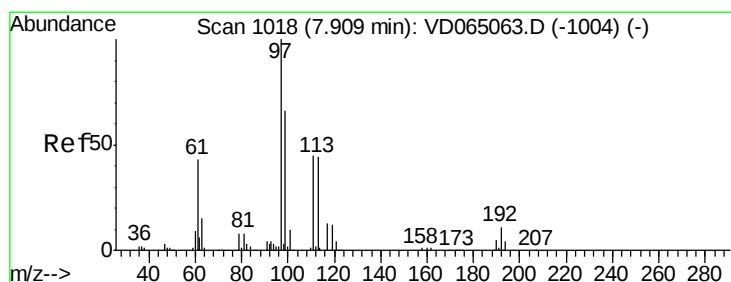
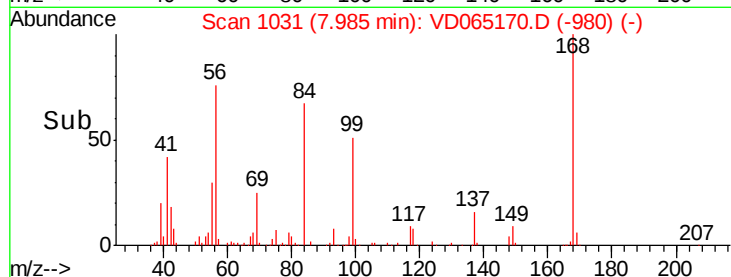
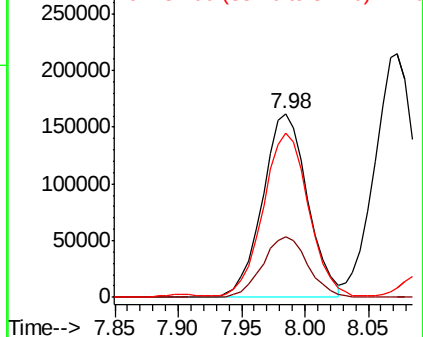
56 100

69 33.1 26.6 40.0

84 87.9 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: 52.195 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

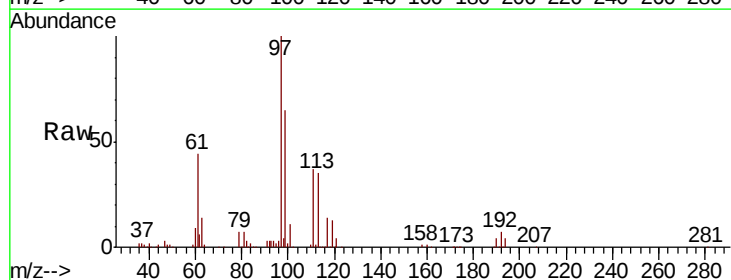
Tgt Ion: 97 Resp: 390109

Ion Ratio Lower Upper

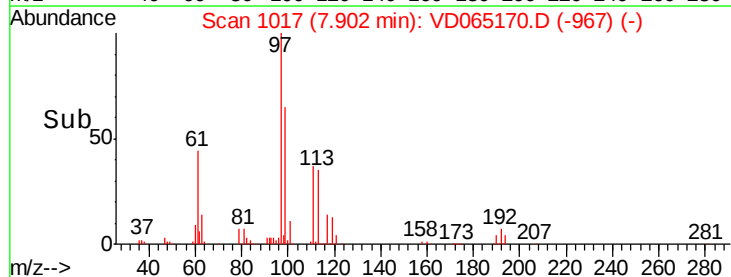
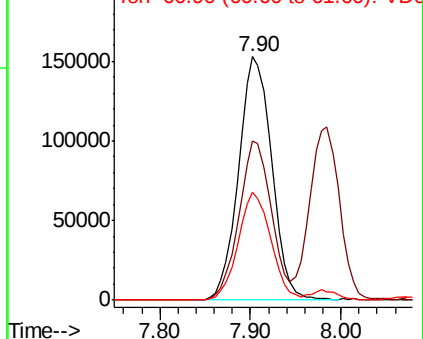
97 100

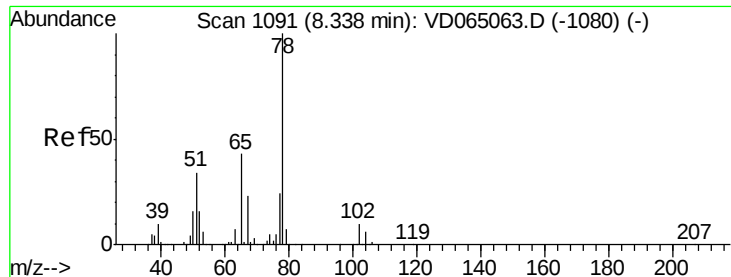
99 63.7 51.5 77.3

61 43.5 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

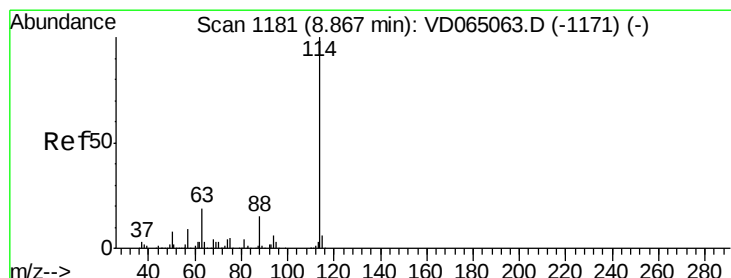
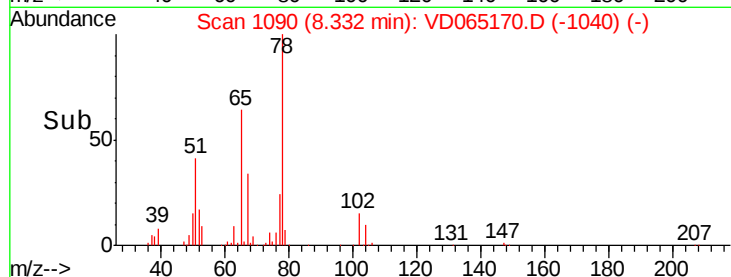
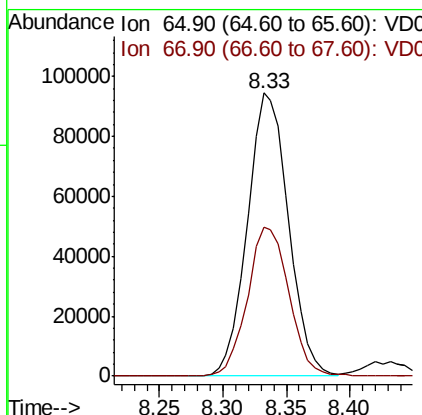
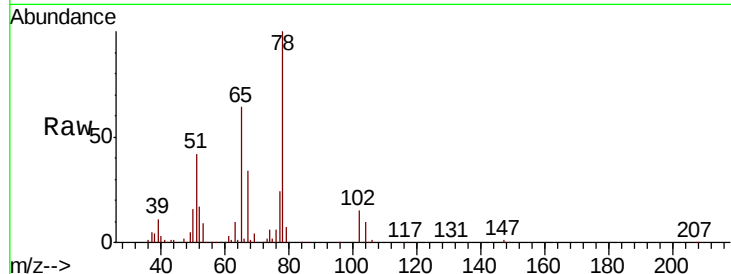




#33
 1,2-Dichloroethane-d4
 Concen: 52.133 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

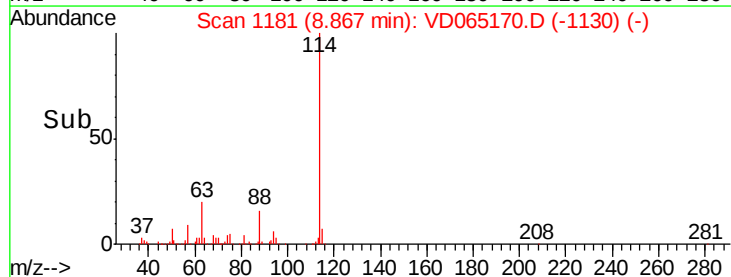
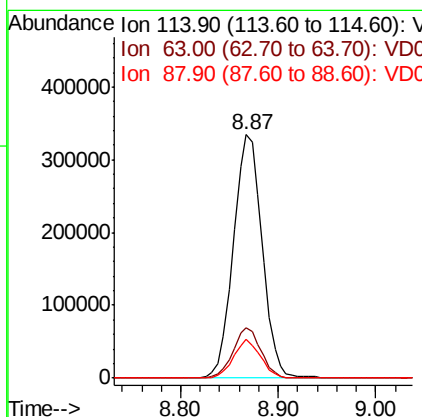
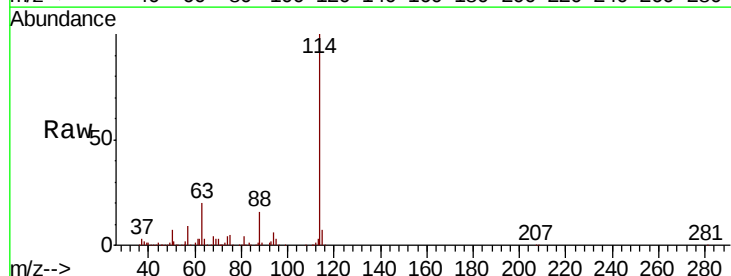
Instrument :
 MSVOA_D
 ClientSampled :

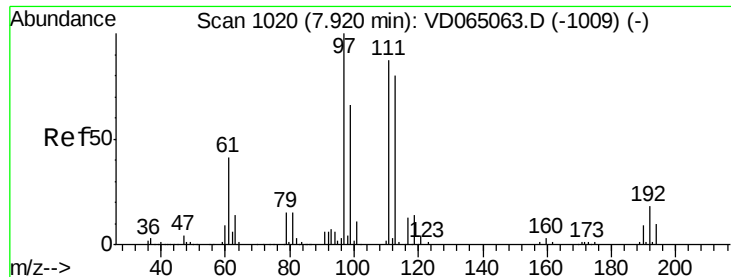
Tot Ion: 65 Resp: 213167
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Tgt Ion: 114 Resp: 683169
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 38.8
 88 15.9 0.0 29.6

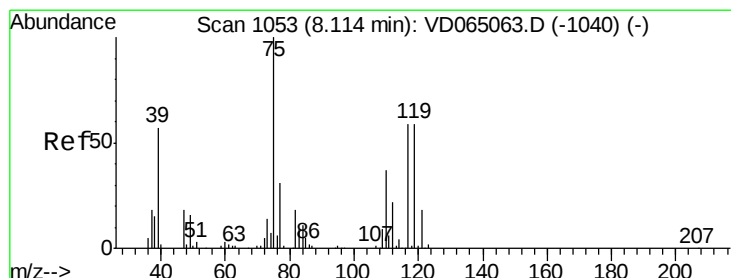
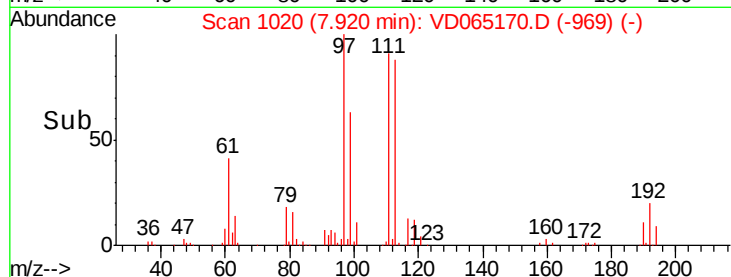
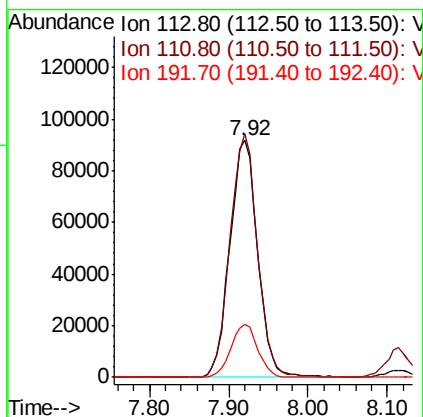
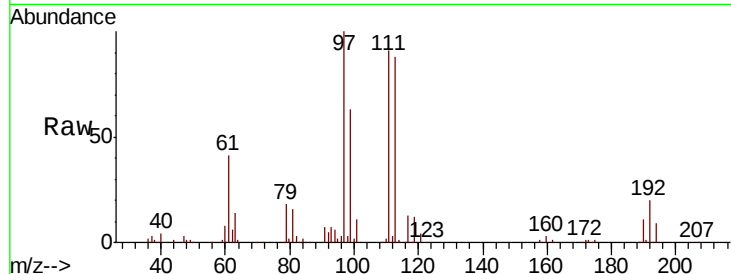




#35
 Dibromofluoromethane
 Concen: 58.514 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

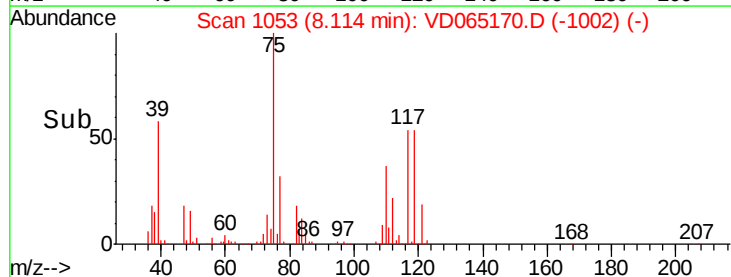
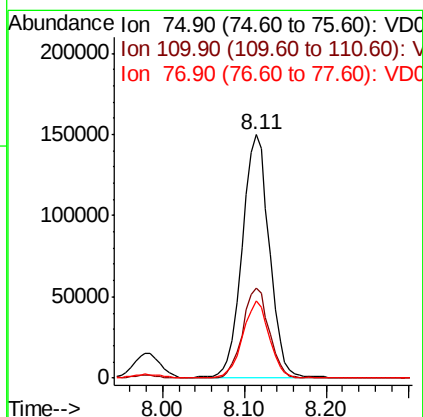
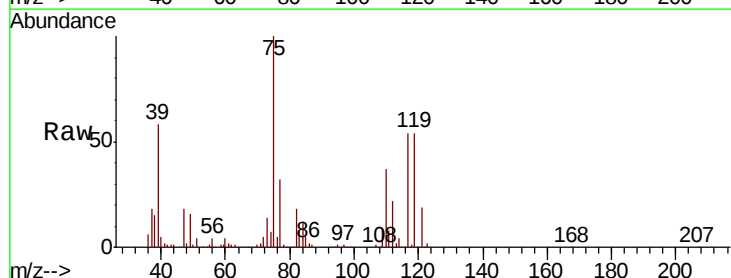
Instrument :
 MSVOA_D
 ClientSampleId :

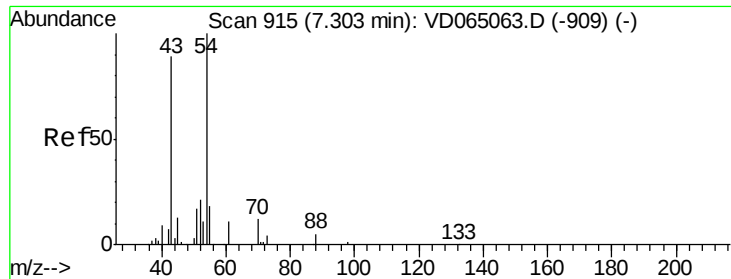
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.1	124.7
192	21.6	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 54.306 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.1	54.3
77	31.3	24.7	37.1

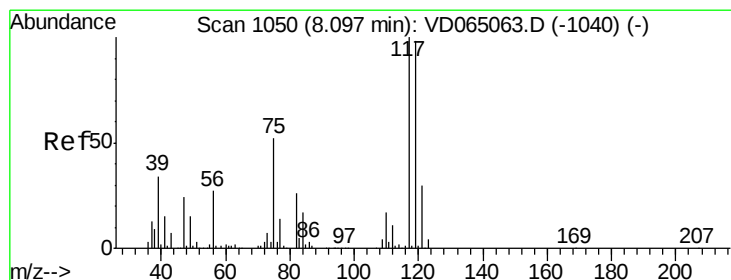
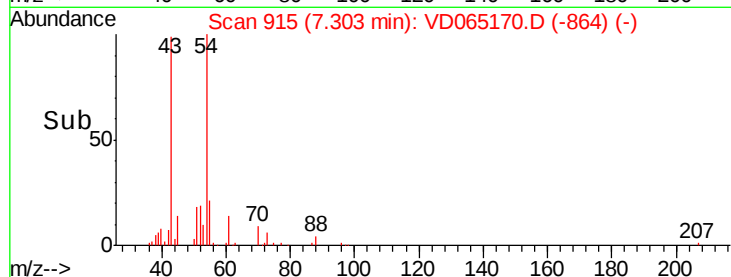
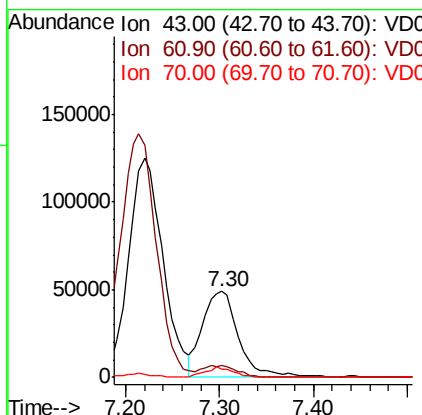
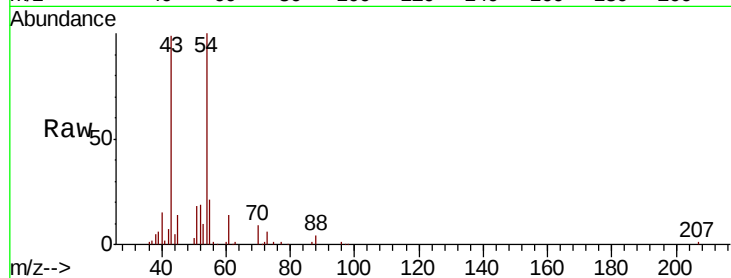




#37
Ethyl Acetate
Concen: 49.759 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

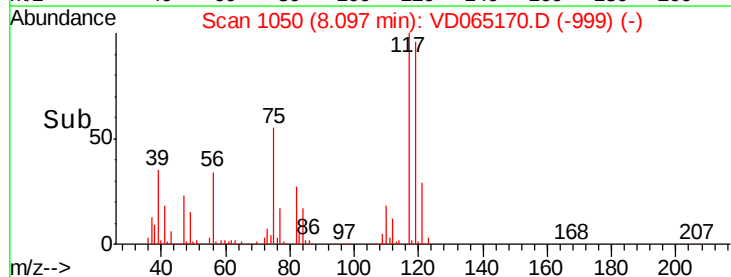
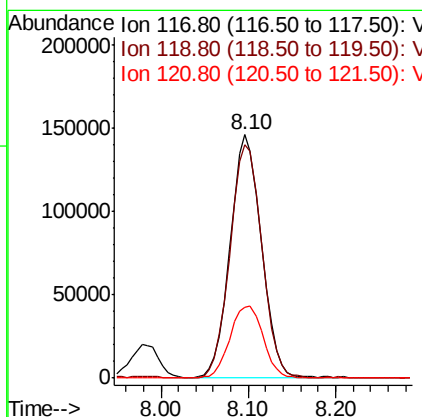
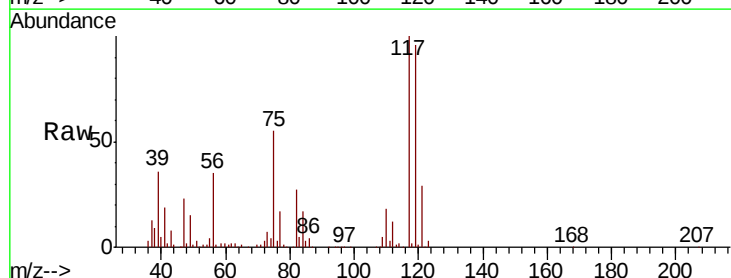
Instrument :
MSVOA_D
ClientSampleId :

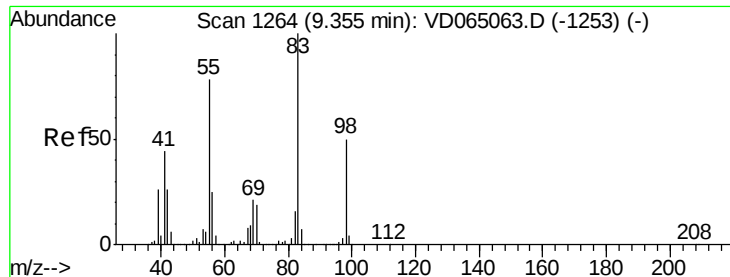
Tot Ion: 43 Resp: 129135
Ion Ratio Lower Upper
43 100
61 13.0 11.0 16.4
70 9.5 8.2 12.2



#38
Carbon Tetrachloride
Concen: 54.226 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion: 117 Resp: 351817
Ion Ratio Lower Upper
117 100
119 96.2 78.5 117.7
121 29.2 23.8 35.6

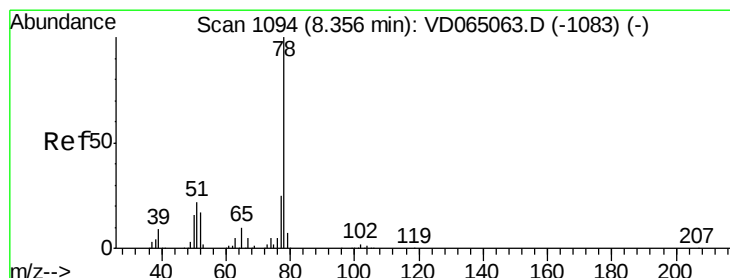
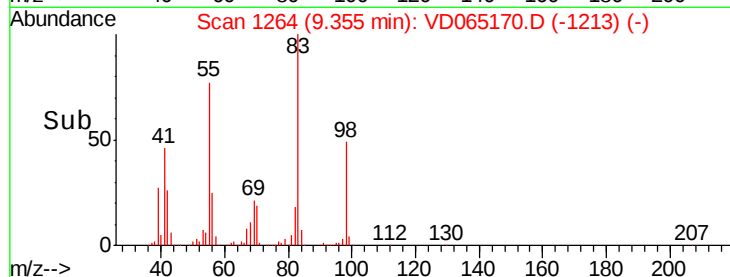
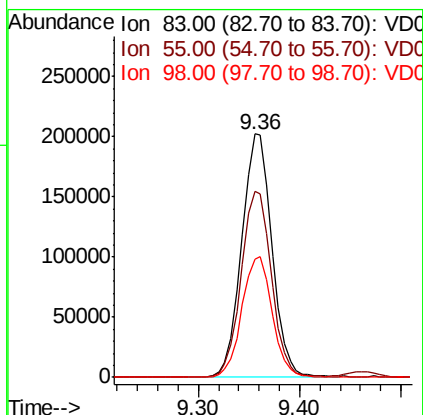
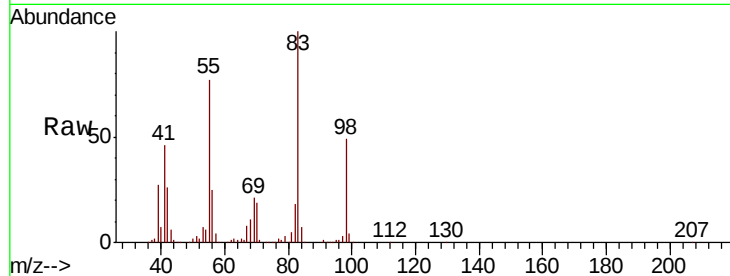




#39
Methvlcvclohexane
Concen: 53.544 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

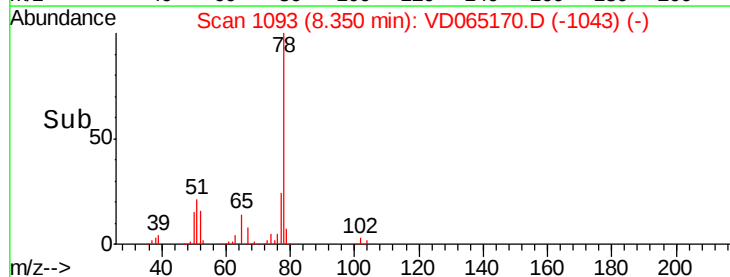
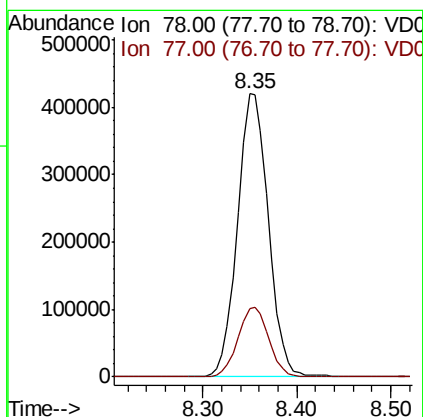
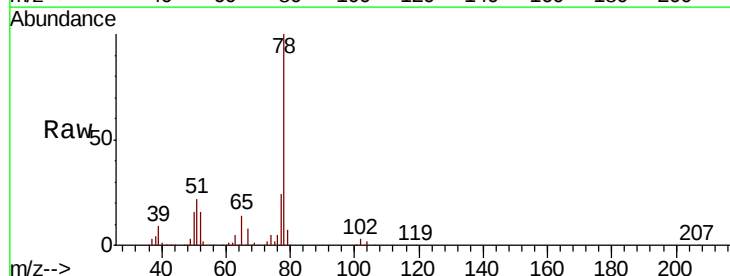
Instrument :
MSVOA_D
ClientSampled :

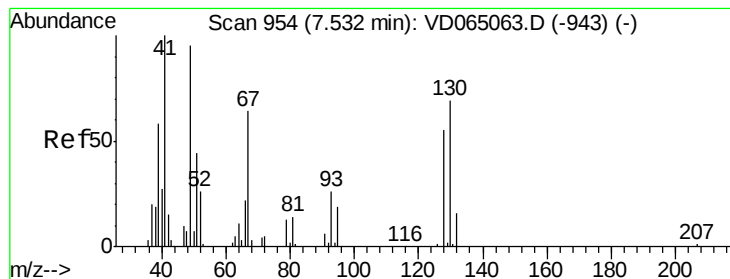
Tot Ion: 83 Resp: 419834
Ion Ratio Lower Upper
83 100
55 76.7 62.0 93.0
98 48.6 39.9 59.9



#40
Benzene
Concen: 54.506 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion: 78 Resp: 956158
Ion Ratio Lower Upper
78 100
77 24.4 19.6 29.4





#41

Methacrylonitrile

Concen: 53.394 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 76340

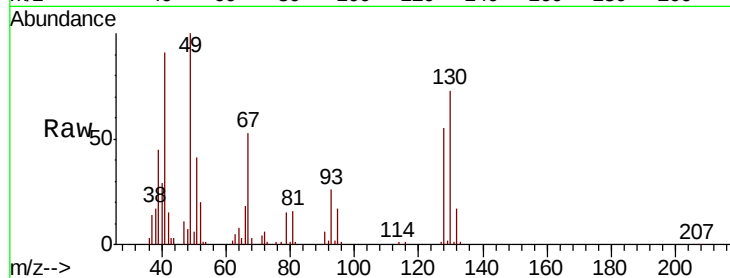
Ion Ratio Lower Upper

41 100

39 51.2 55.4 83.0#

67 69.2 59.0 88.6

52 29.7 25.4 38.0

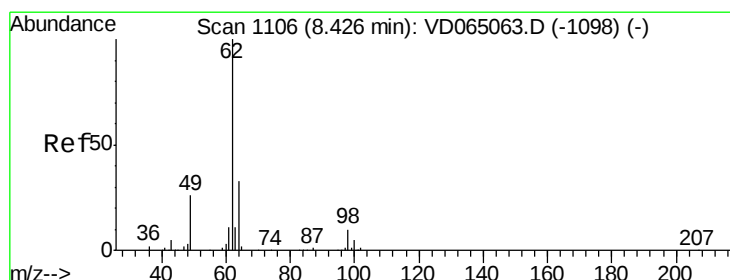
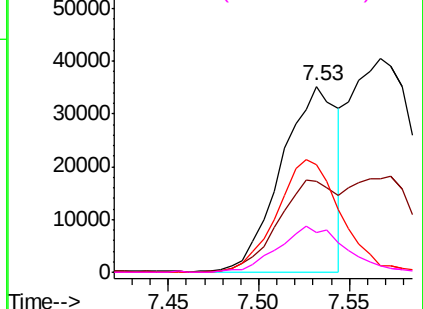
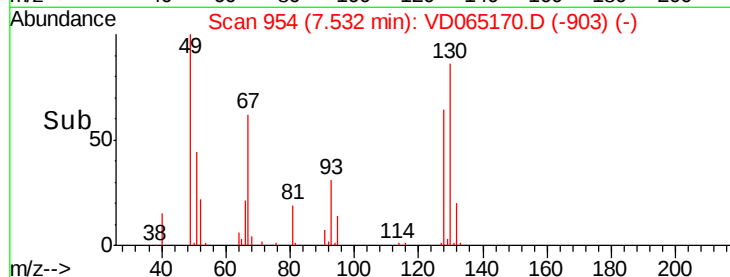


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 50.909 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD065170.D

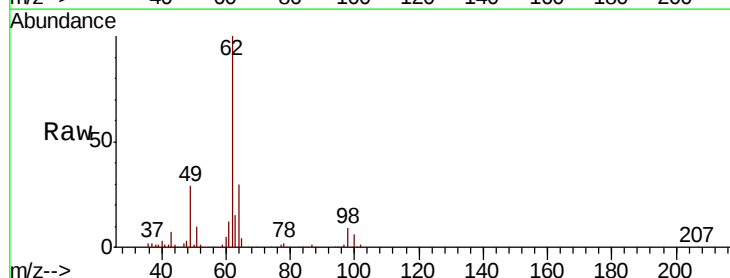
Acq: 13 Feb 2020 10:08

Tgt Ion: 62 Resp: 254465

Ion Ratio Lower Upper

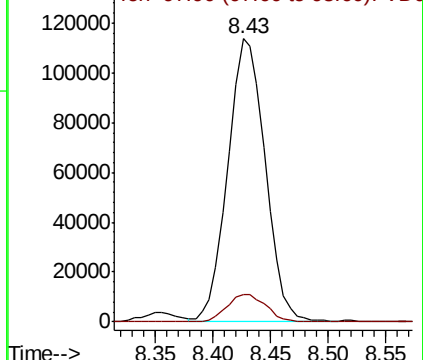
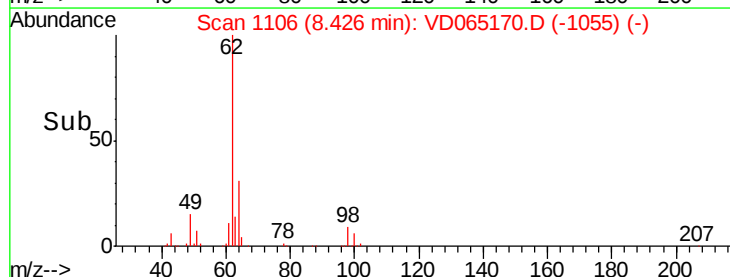
62 100

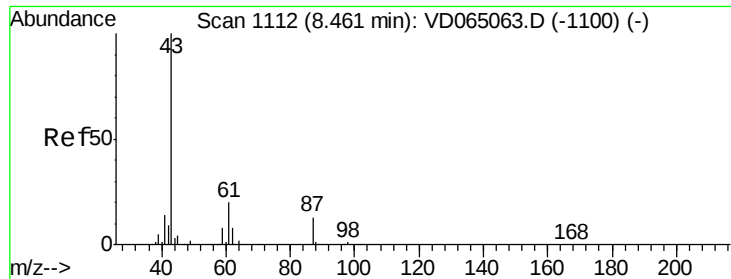
98 10.1 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 49.418 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

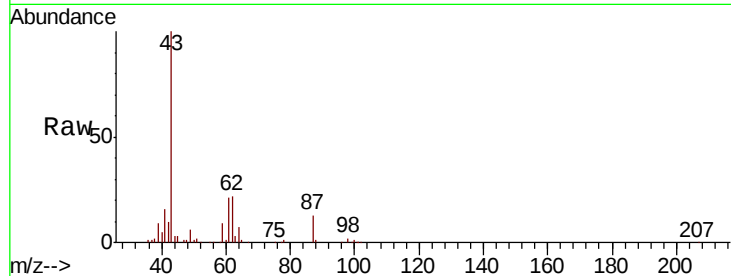
Tot Ion: 43 Resp: 245331

Ion Ratio Lower Upper

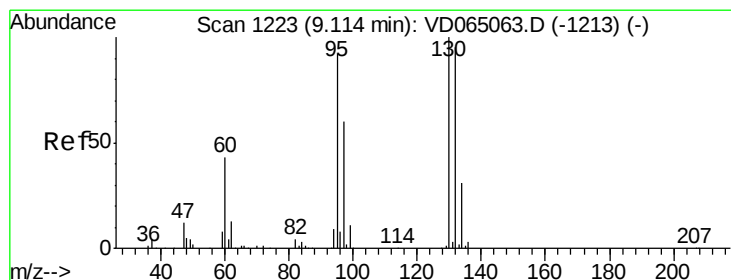
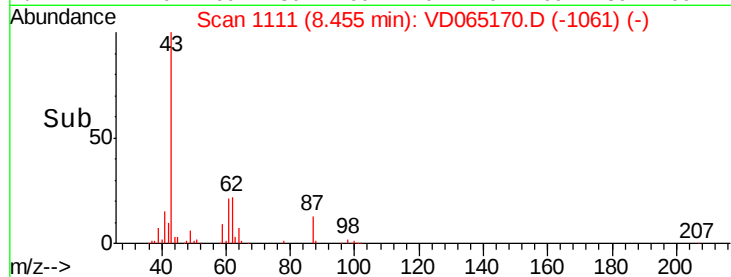
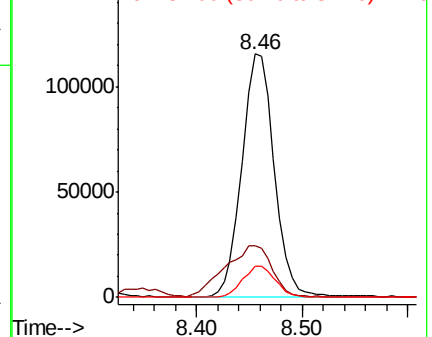
43 100

61 31.2 24.0 36.0

87 12.9 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: 52.067 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065170.D

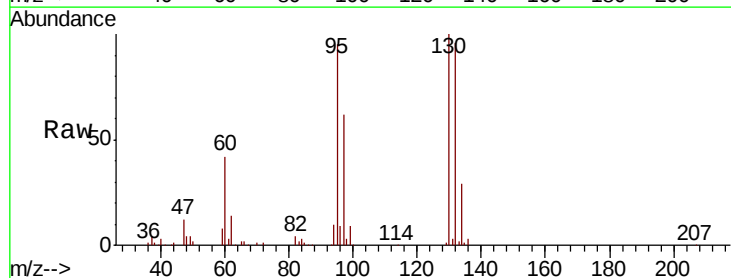
Acq: 13 Feb 2020 10:08

Tgt Ion:130 Resp: 262170

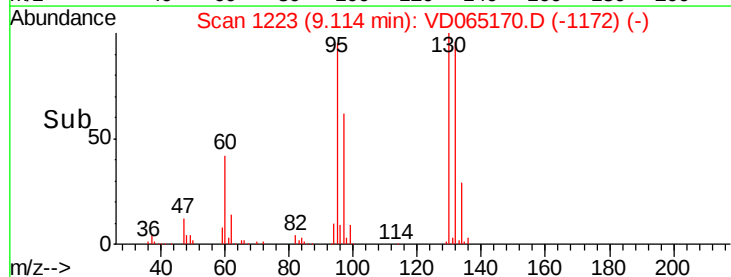
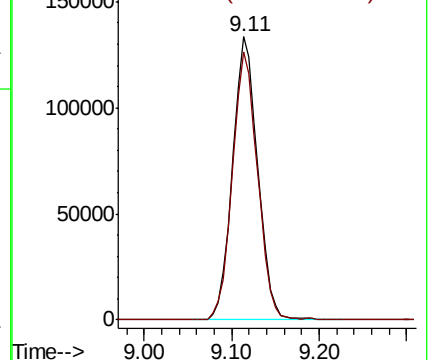
Ion Ratio Lower Upper

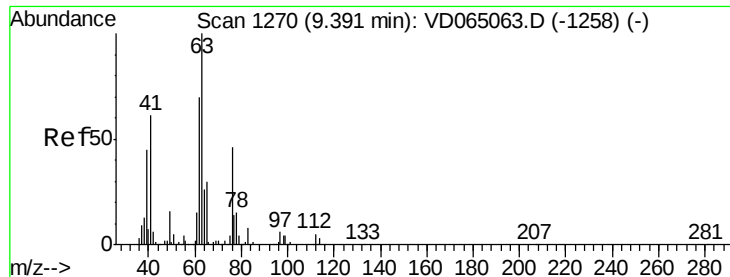
130 100

95 94.9 0.0 185.0



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

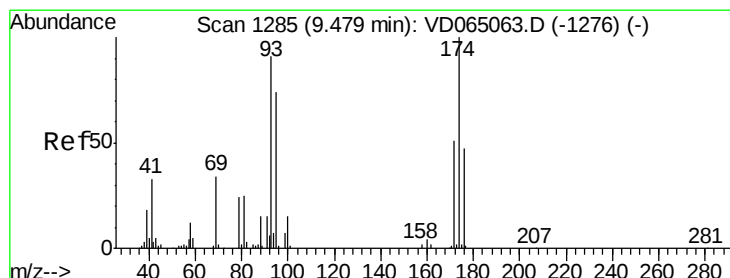
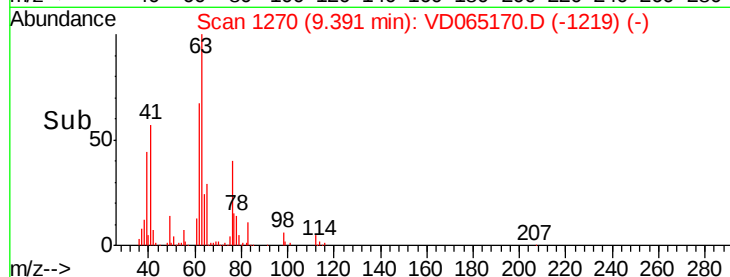
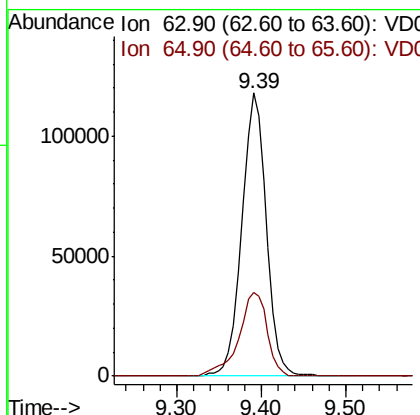
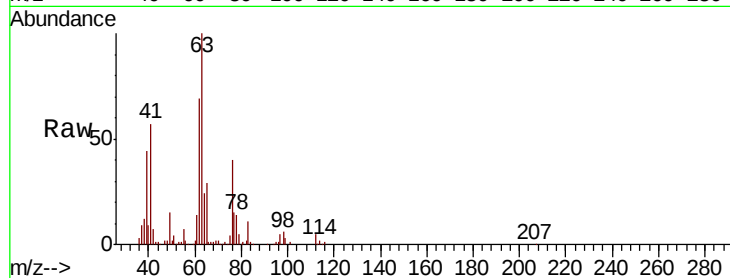




#45
 1,2-Dichloropropane
 Concen: 56.238 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

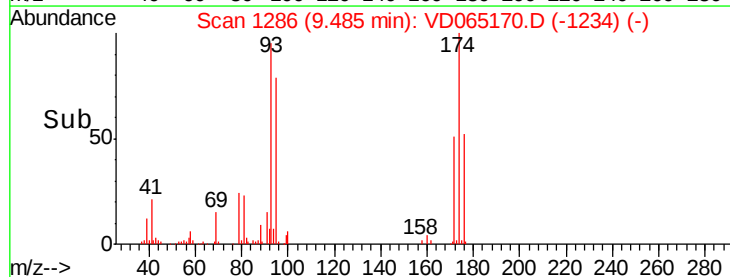
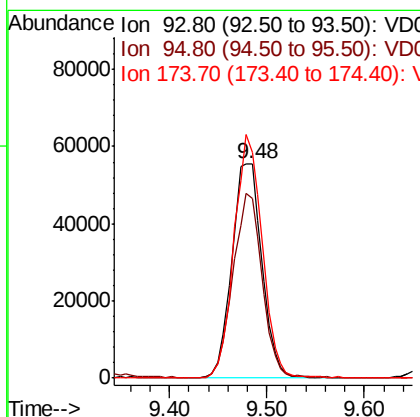
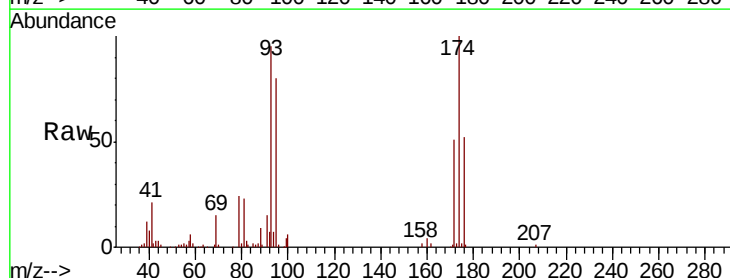
Instrument :
 MSVOA_D
 ClientSampled :

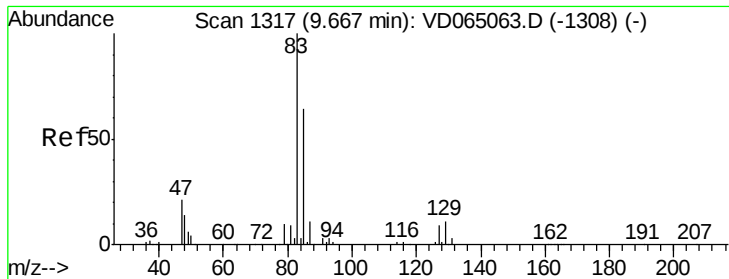
Tot Ion: 63 Resp: 236530
 Ion Ratio Lower Upper
 63 100
 65 29.5 23.9 35.9



#46
 Dibromomethane
 Concen: 53.890 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Tgt Ion: 93 Resp: 119104
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.5 99.7
 174 106.1 89.8 134.8





#47

Bromodichloromethane

Concen: 55.487 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

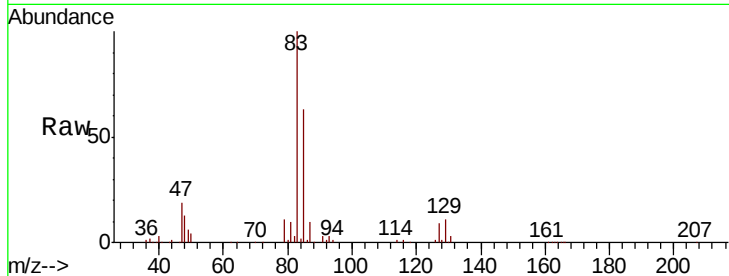
Tot Ion: 83 Resp: 323125

Ion Ratio Lower Upper

83 100

85 63.4 51.0 76.6

127 8.9 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

200000

150000

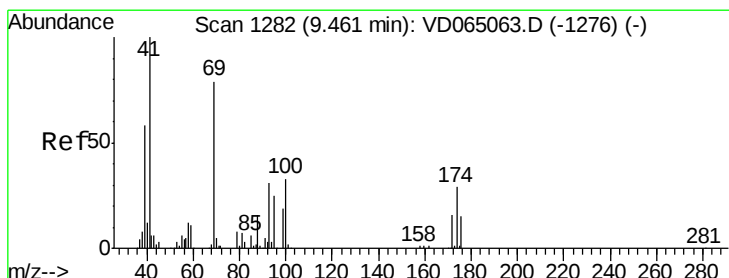
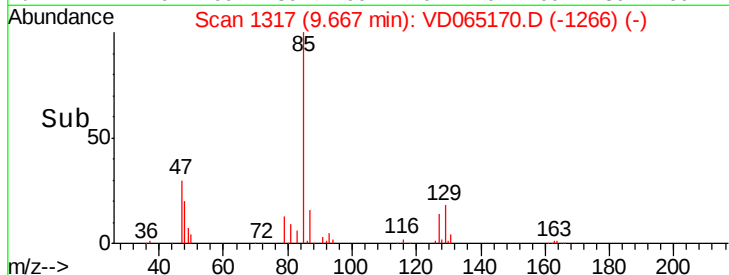
100000

50000

0

9.60 9.67 9.80

Time-->



#48

Methyl methacrylate

Concen: 52.398 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

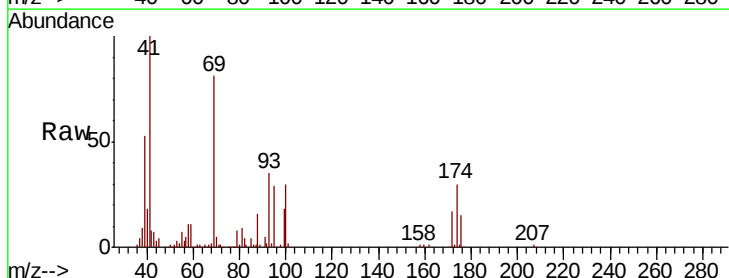
Tgt Ion: 41 Resp: 125173

Ion Ratio Lower Upper

41 100

69 81.5 67.5 101.3

39 52.5 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

80000

60000

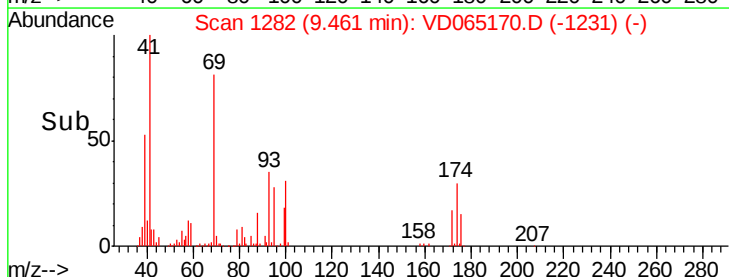
40000

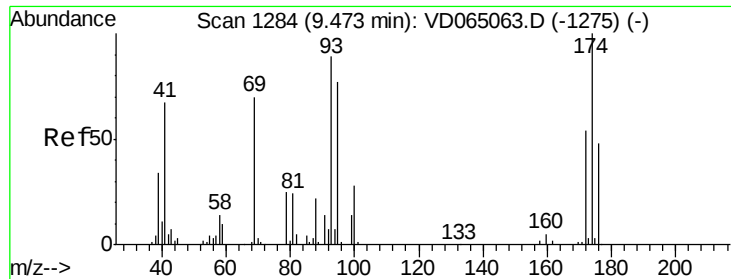
20000

0

9.40 9.46 9.50

Time-->





#49

1,4-Dioxane

Concen: 1058.139 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :

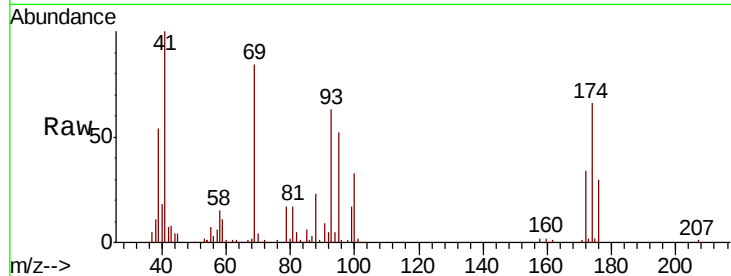
Tot Ion: 88 Resp: 27699

Ion Ratio Lower Upper

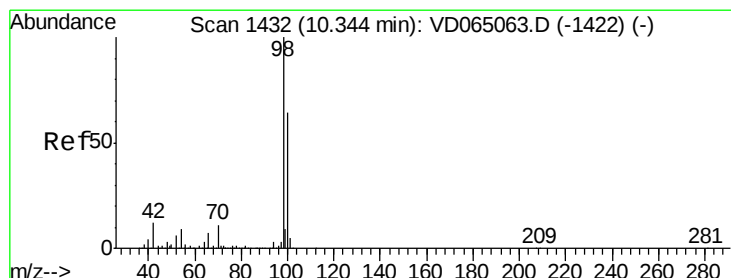
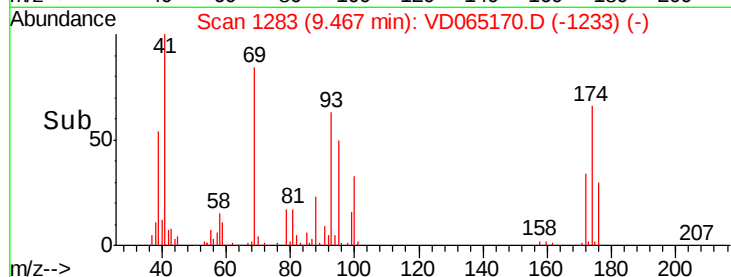
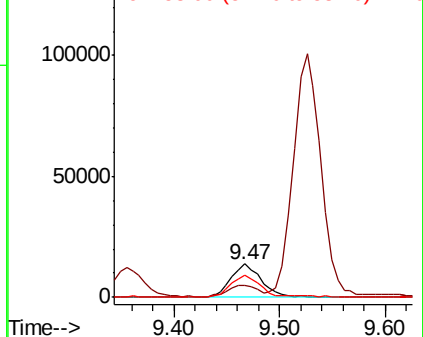
88 100

43 32.9 27.7 41.5

58 63.7 55.5 83.3



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



#50

Toluene-d8

Concen: 57.725 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065170.D

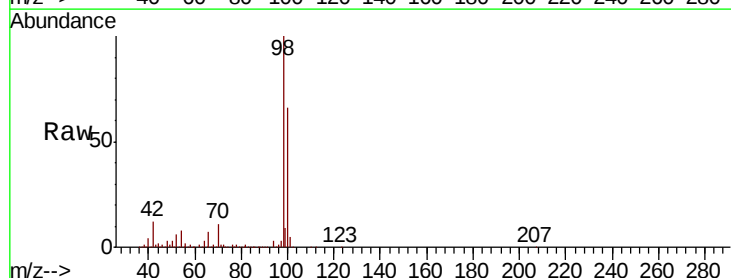
Acq: 13 Feb 2020 10:08

Tgt Ion: 98 Resp: 875783

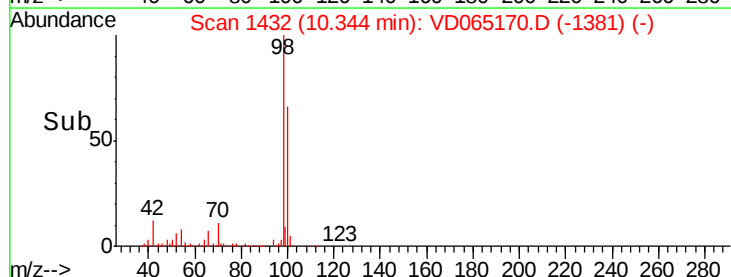
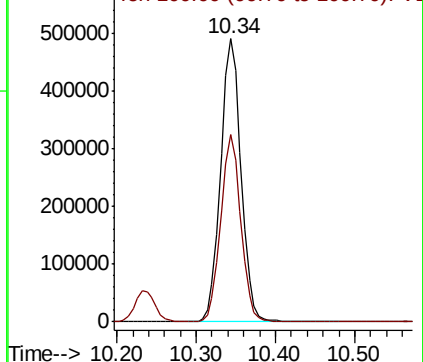
Ion Ratio Lower Upper

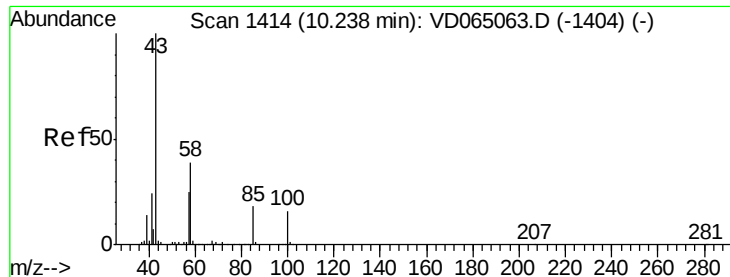
98 100

100 65.5 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: 260.606 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

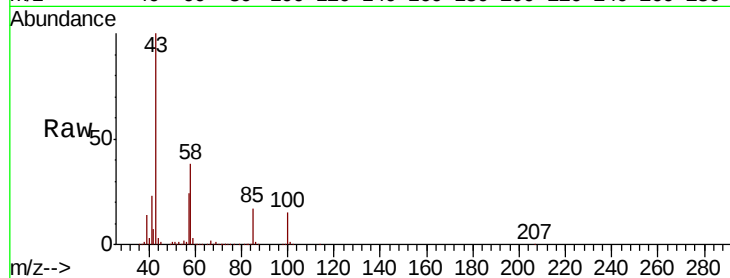
ClientSampled :

Tot Ion: 43 Resp: 636811

Ion Ratio Lower Upper

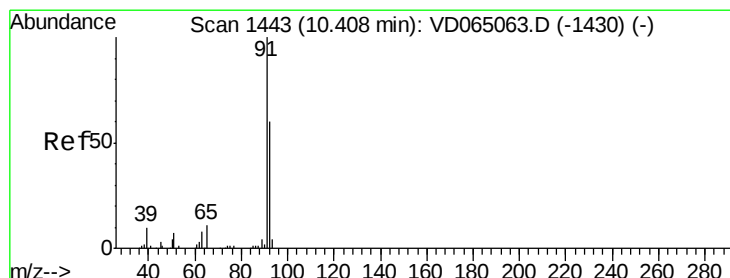
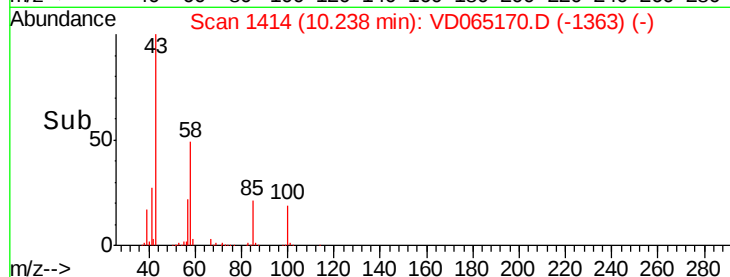
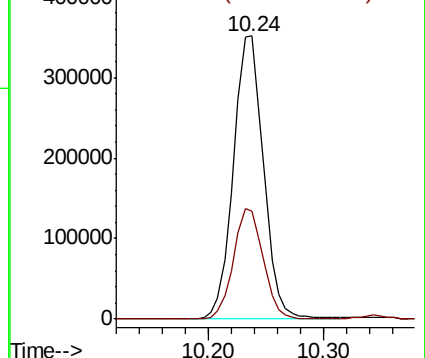
43 100

58 38.7 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 55.447 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065170.D

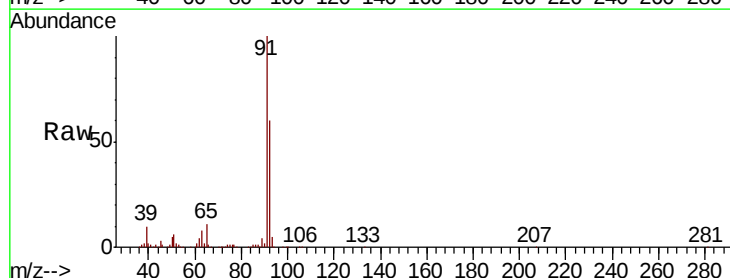
Acq: 13 Feb 2020 10:08

Tgt Ion: 92 Resp: 620791

Ion Ratio Lower Upper

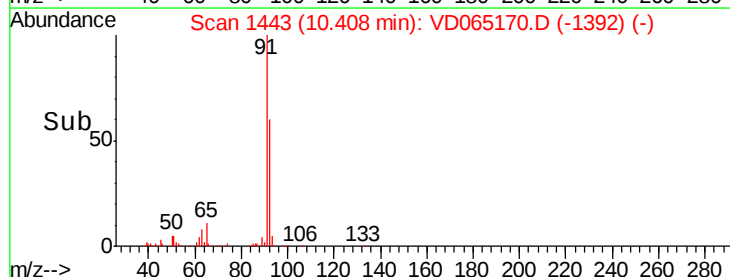
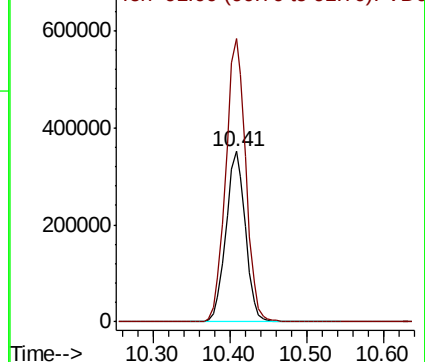
92 100

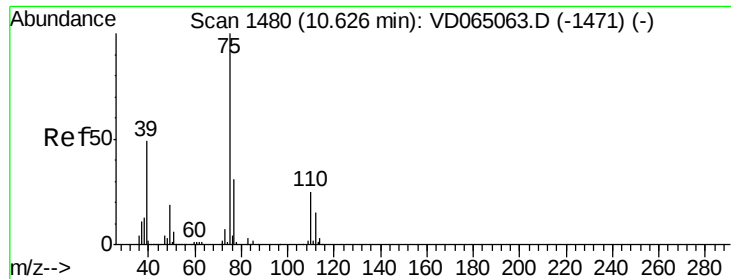
91 170.1 135.3 202.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 52.709 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

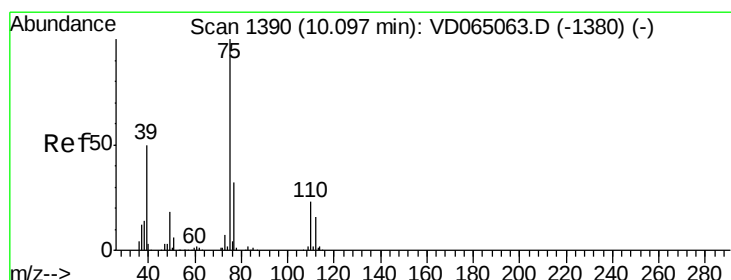
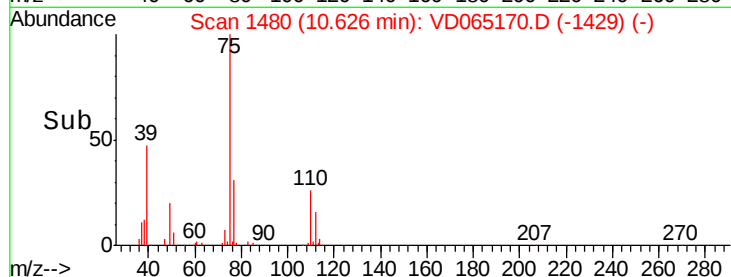
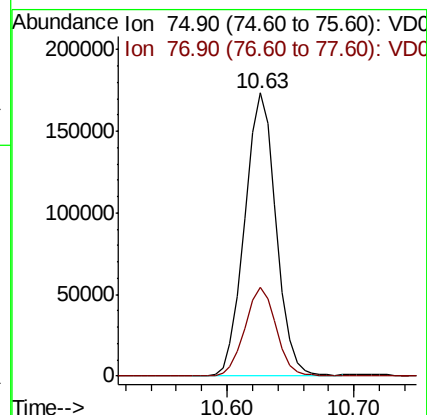
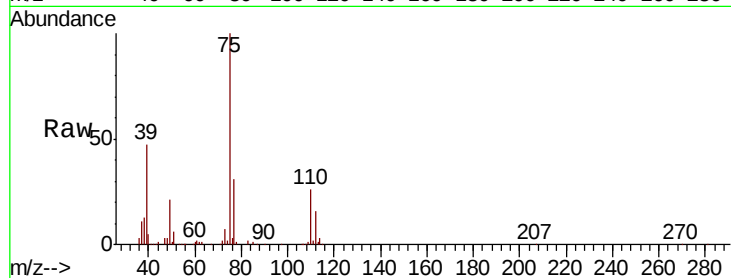
ClientSampleId :

Tot Ion: 75 Resp: 298854

Ion Ratio Lower Upper

75 100

77 31.3 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 53.140 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

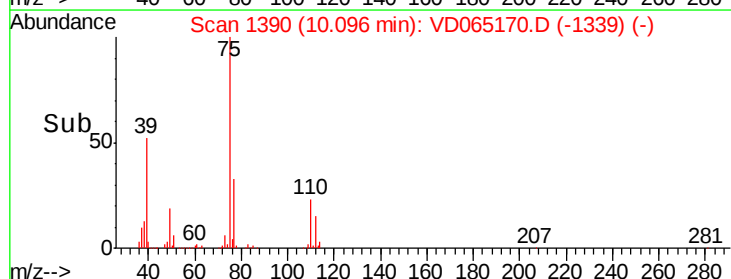
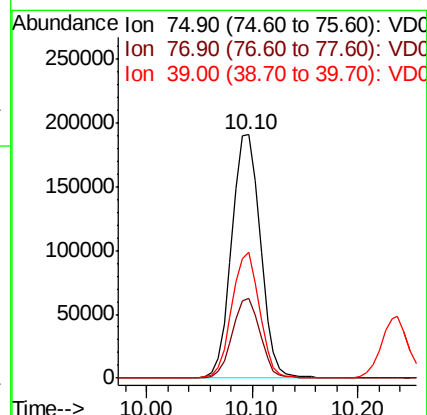
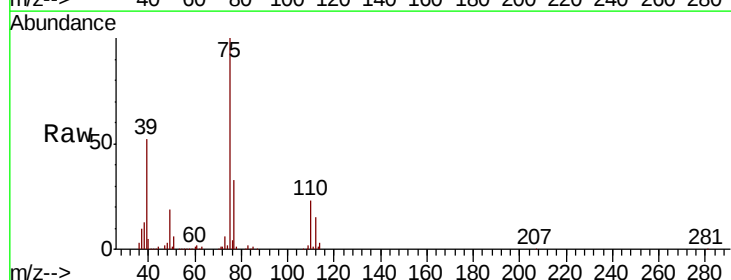
Tgt Ion: 75 Resp: 360351

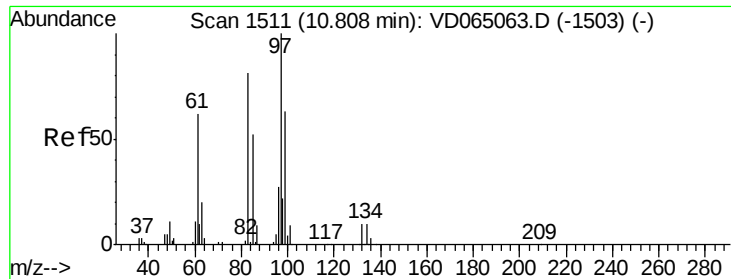
Ion Ratio Lower Upper

75 100

77 32.6 25.3 37.9

39 51.6 40.3 60.5





#55

1,1,2-Trichloroethane

Concen: 53.788 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 163057

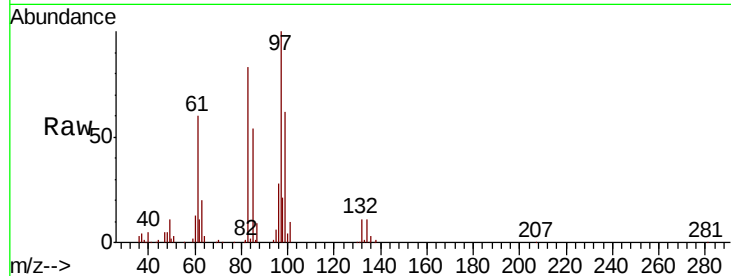
Ion Ratio Lower Upper

97 100

83 83.0 64.8 97.2

85 54.4 41.2 61.8

99 62.5 50.3 75.5

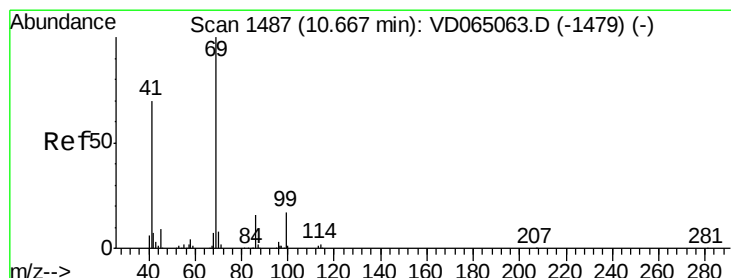
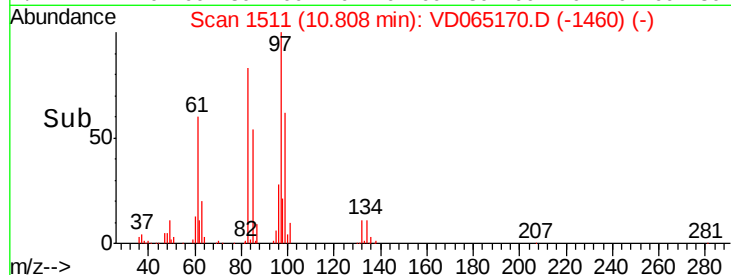
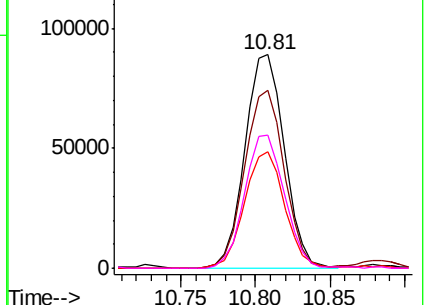


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 51.949 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

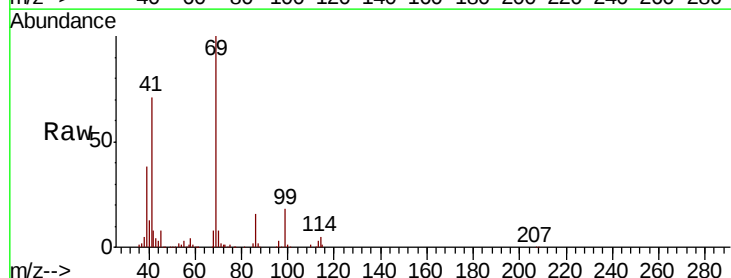
Tgt Ion: 69 Resp: 199259

Ion Ratio Lower Upper

69 100

41 69.2 55.9 83.9

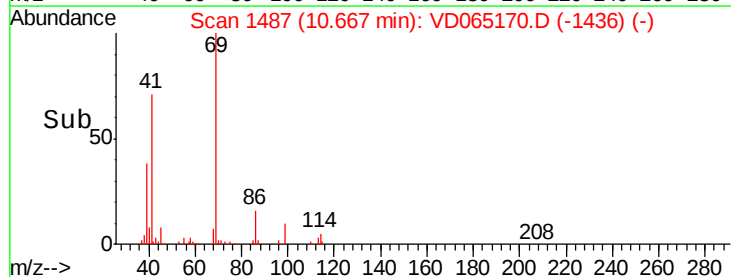
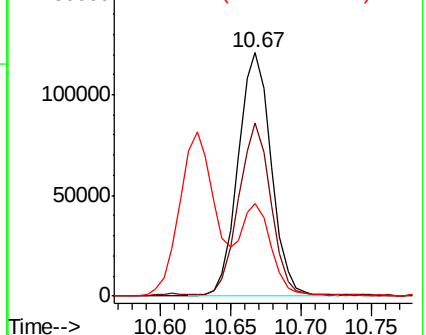
39 35.0 29.4 44.0

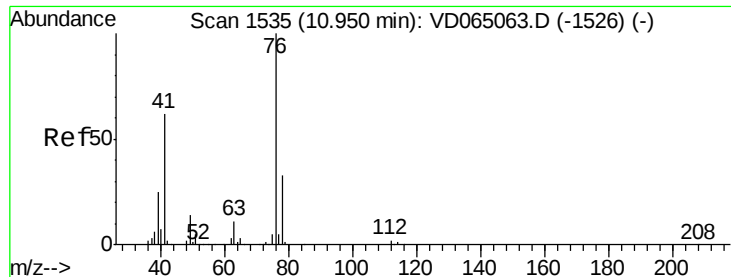


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 53.007 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

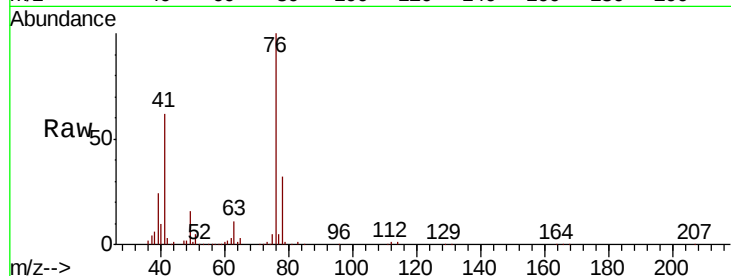
ClientSampleId :

Tot Ion: 76 Resp: 282562

Ion Ratio Lower Upper

76 100

78 32.7 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

150000

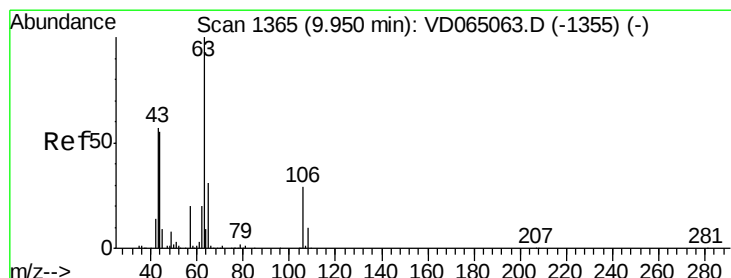
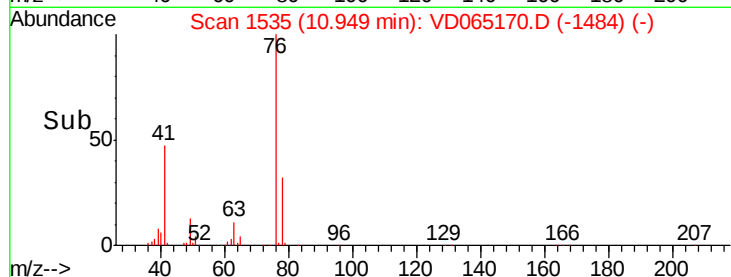
100000

50000

0

Time-->

10.90 11.00 11.10



#58

2-Chloroethyl Vinyl ether

Concen: 229.642 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065170.D

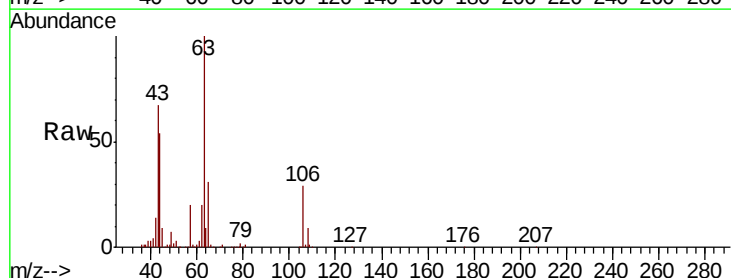
Acq: 13 Feb 2020 10:08

Tgt Ion: 63 Resp: 286512

Ion Ratio Lower Upper

63 100

106 28.7 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

150000

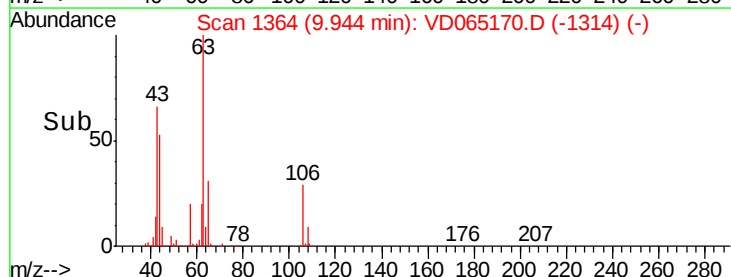
100000

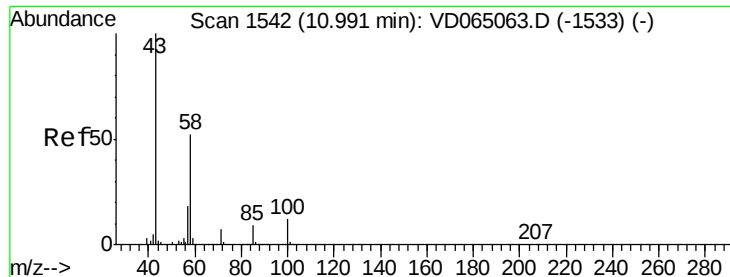
50000

0

Time-->

9.90 10.00

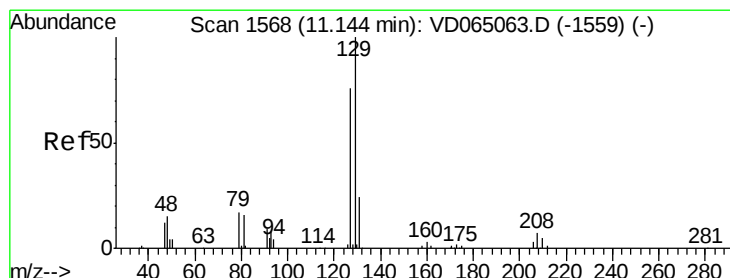
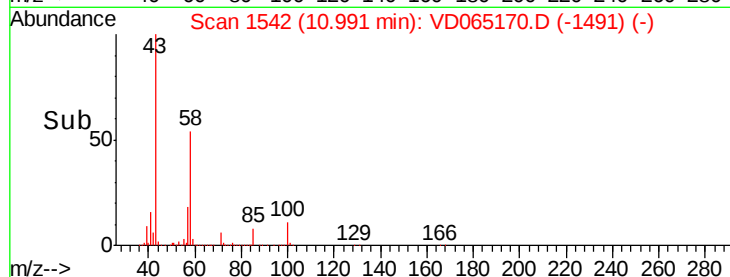
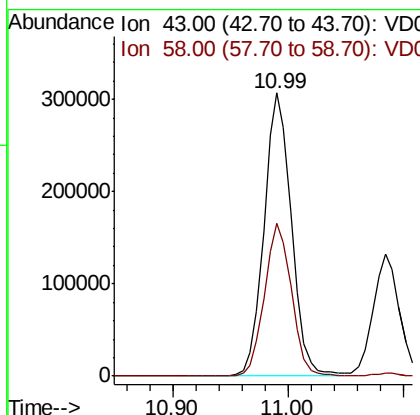
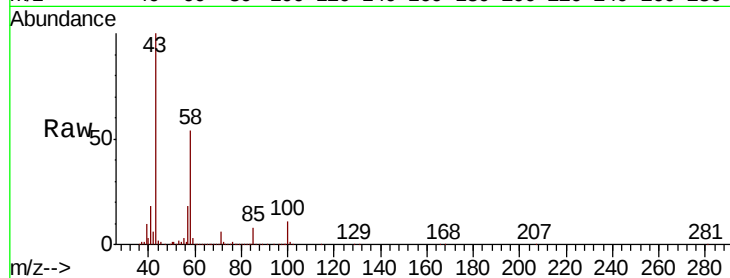




#59
2-Hexanone
Concen: 293.134 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

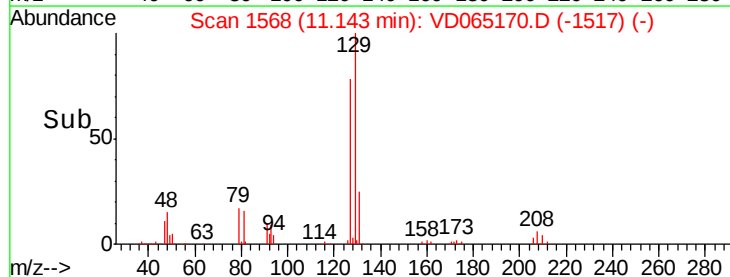
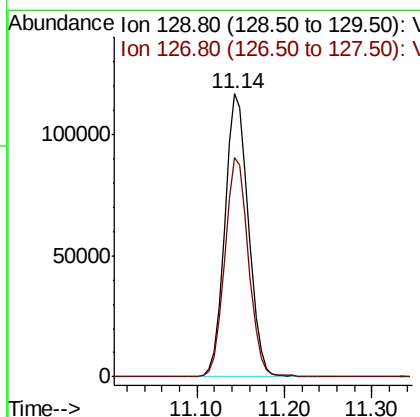
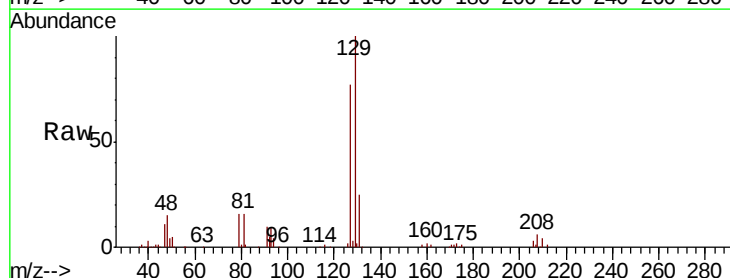
Instrument :
MSVOA_D
ClientSampleId :

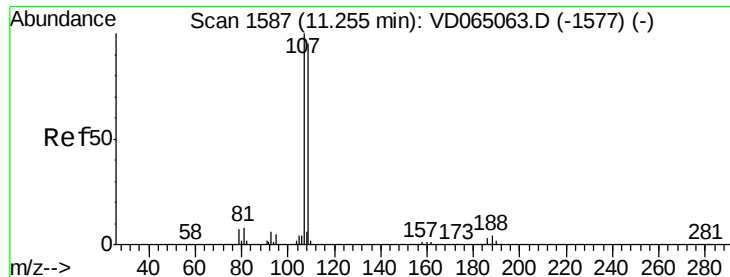
Tot Ion: 43 Resp: 507369
Ion Ratio Lower Upper
43 100
58 53.4 26.2 78.6



#60
Dibromochloromethane
Concen: 55.112 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion: 129 Resp: 216398
Ion Ratio Lower Upper
129 100
127 77.7 38.3 114.9

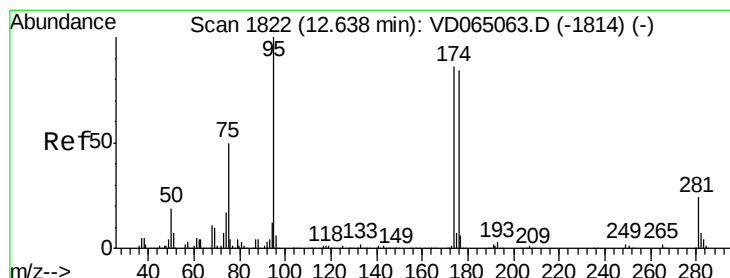
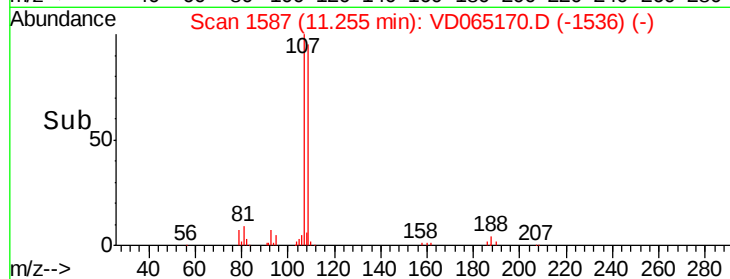
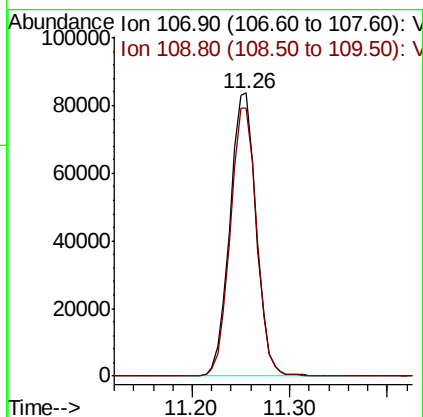
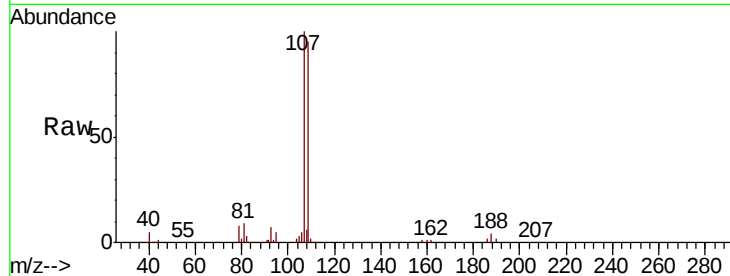




#61
 1,2-Dibromoethane
 Concen: 52.764 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

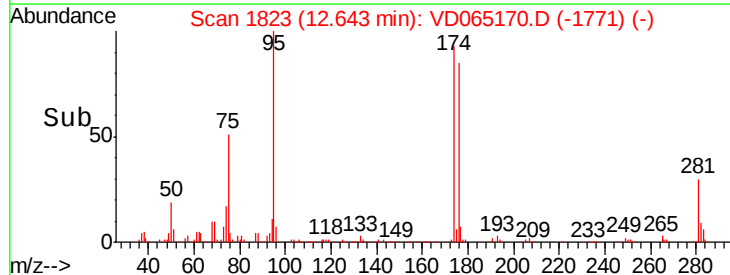
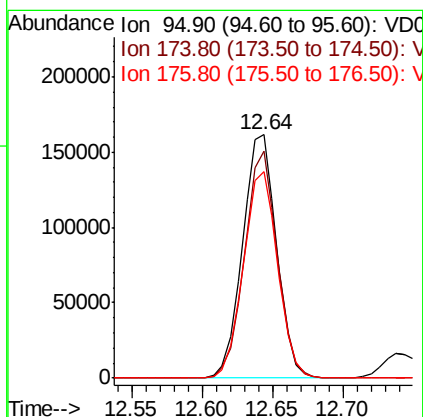
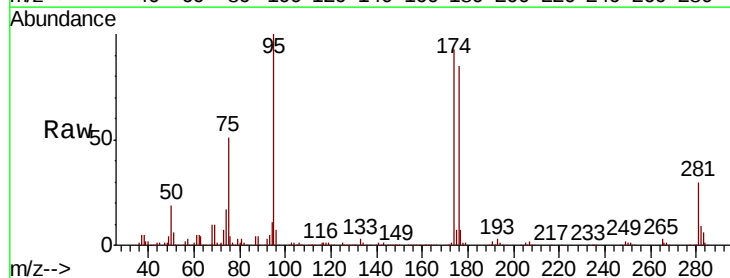
Instrument :
 MSVOA_D
 ClientSampleId :

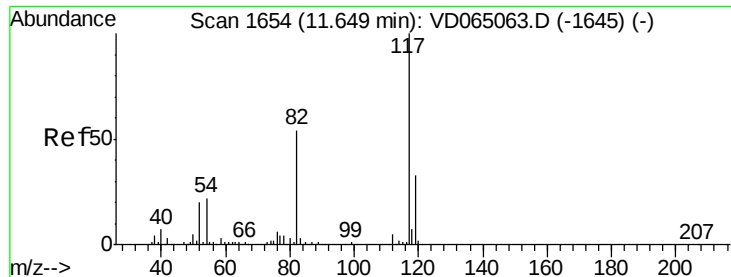
Tot Ion: 107 Resp: 156294
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 56.764 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Tgt Ion: 95 Resp: 272882
 Ion Ratio Lower Upper
 95 100
 174 89.8 0.0 180.0
 176 85.2 0.0 173.2

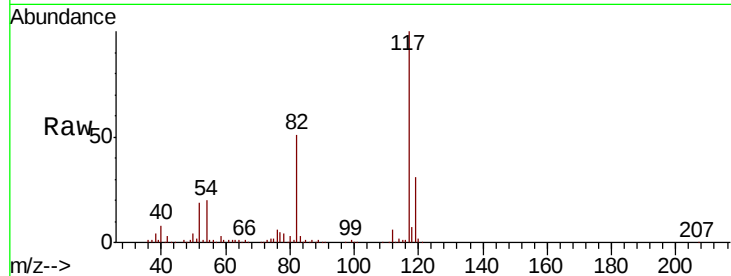




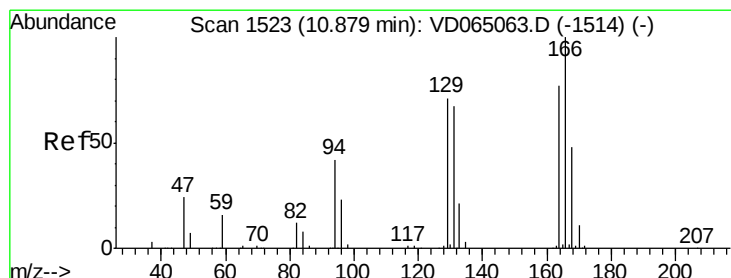
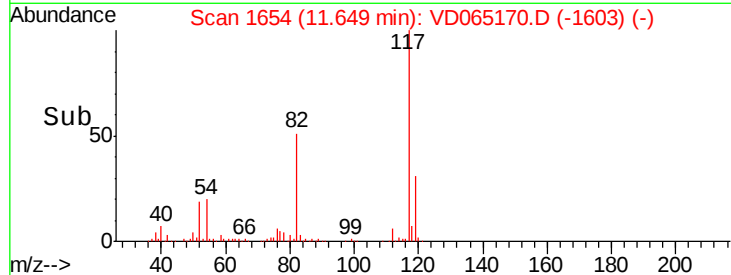
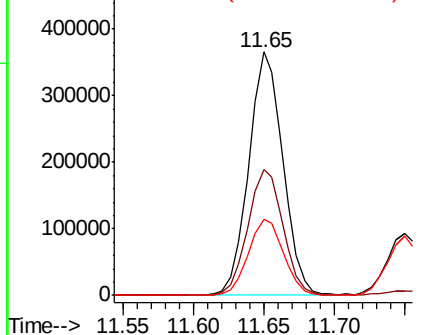
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:117 Resp: 622602
Ion Ratio Lower Upper
117 100
82 51.5 43.1 64.7
119 31.3 26.0 39.0

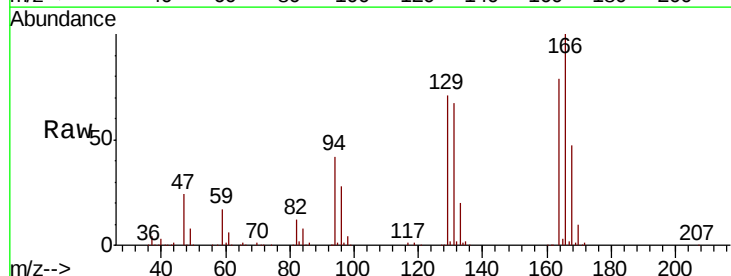


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

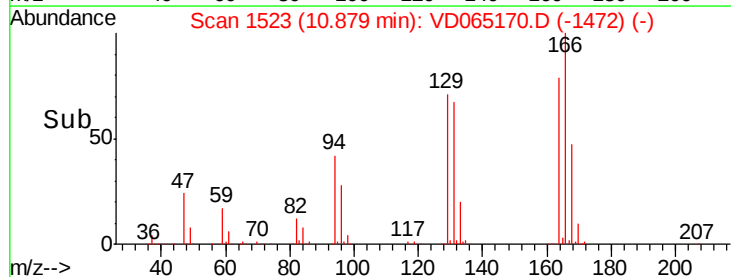
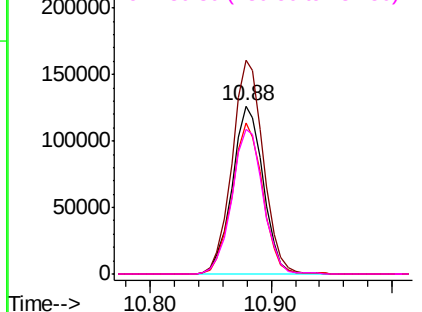


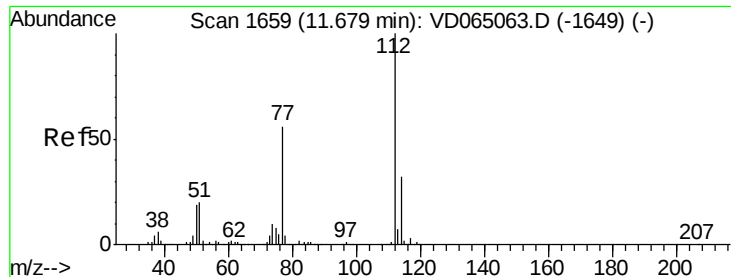
#64
Tetrachloroethene
Concen: 50.405 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion:164 Resp: 225496
Ion Ratio Lower Upper
164 100
166 127.2 103.5 155.3
129 90.4 73.3 109.9
131 85.8 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

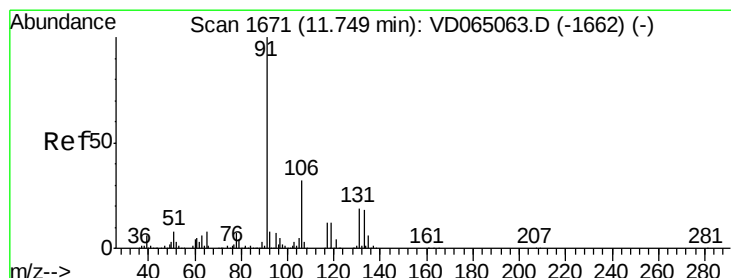
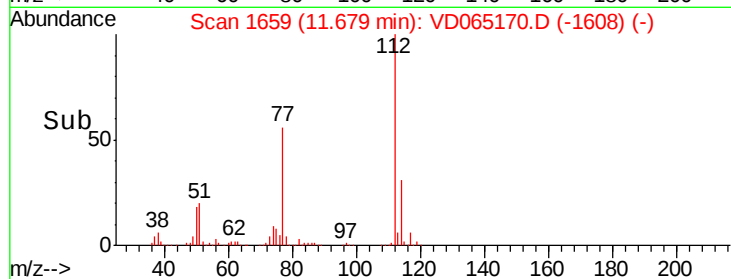
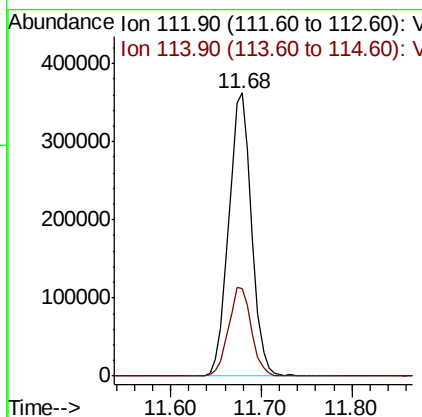
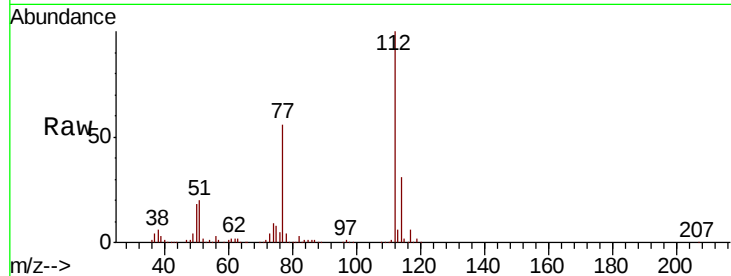




#65
Chlorobenzene
Concen: 52.650 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

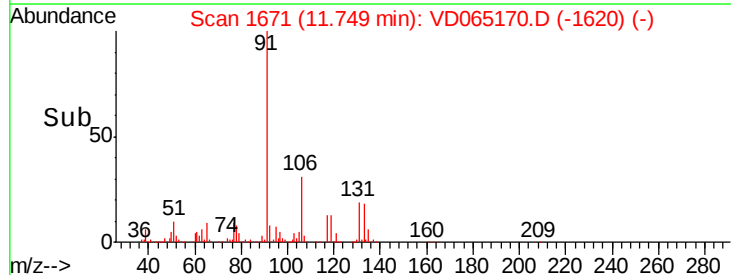
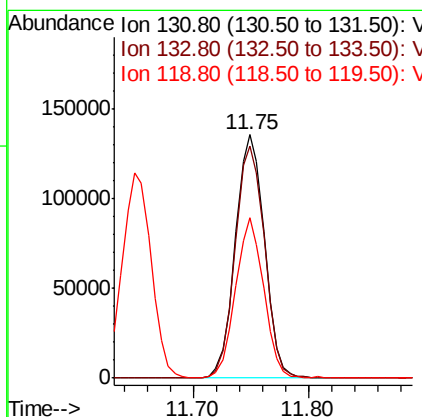
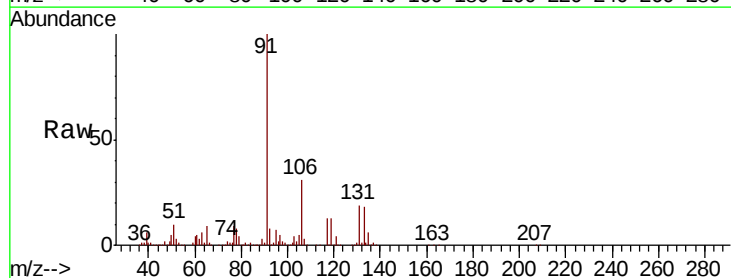
Instrument :
MSVOA_D
ClientSampled :

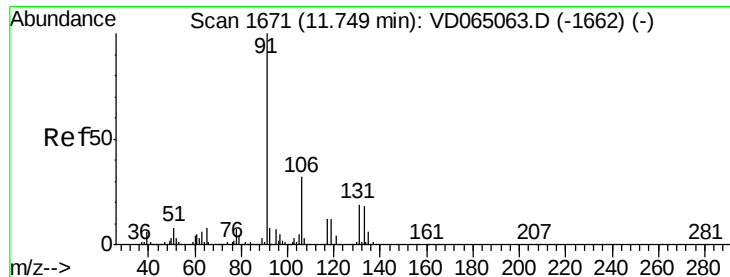
Tot Ion:112 Resp: 634018
Ion Ratio Lower Upper
112 100
114 31.1 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 53.375 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion:131 Resp: 237224
Ion Ratio Lower Upper
131 100
133 96.7 47.7 143.1
119 63.1 31.3 93.8

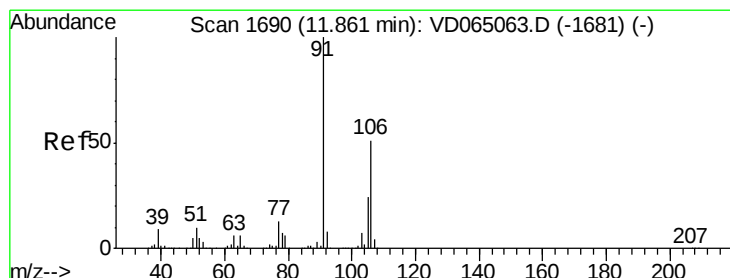
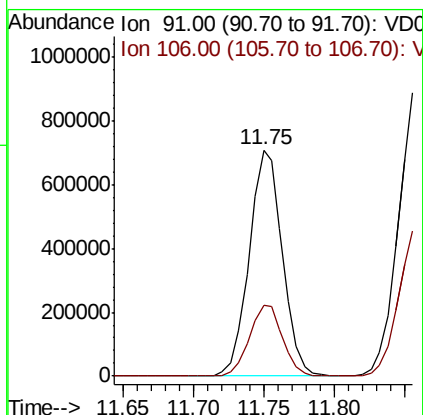
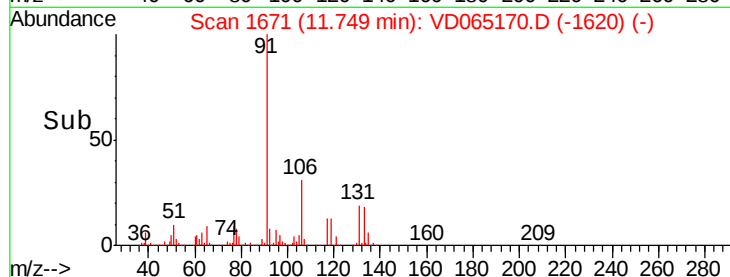
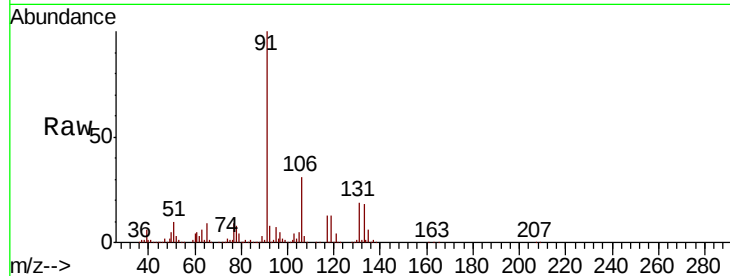




#67
Ethyl Benzene
Concen: 53.351 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

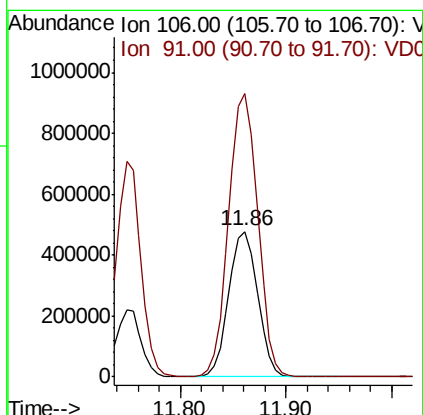
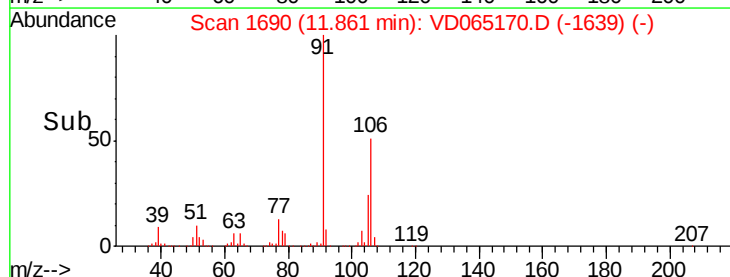
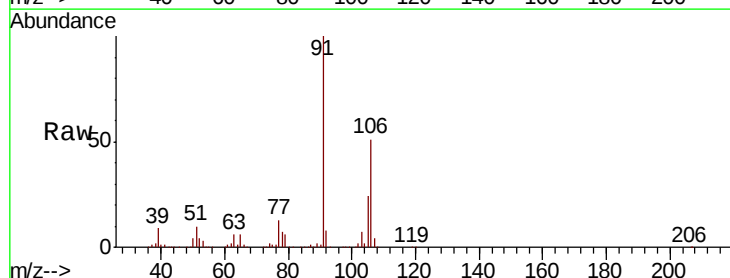
Instrument :
MSVOA_D
ClientSampled :

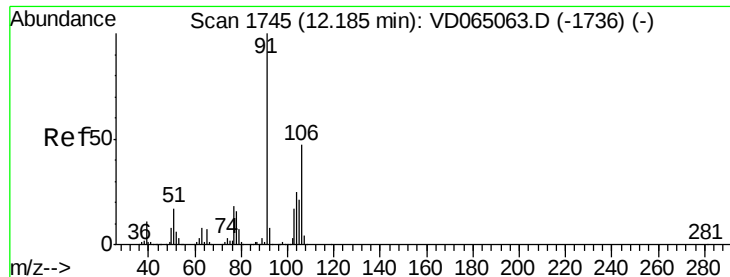
Tot Ion: 91 Resp: 1167226
Ion Ratio Lower Upper
91 100
106 31.3 25.4 38.2



#68
m/p-Xylenes
Concen: 108.559 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion: 106 Resp: 906500
Ion Ratio Lower Upper
106 100
91 196.1 158.9 238.3

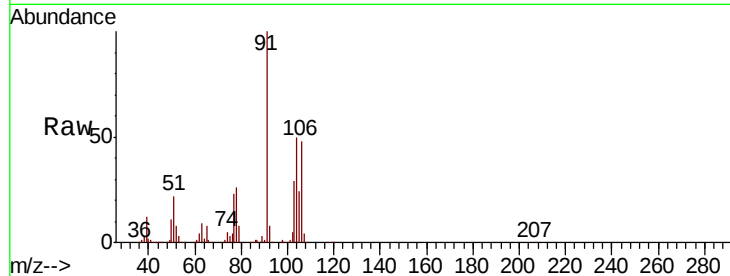




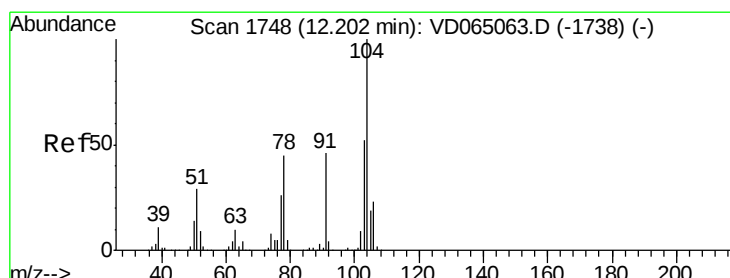
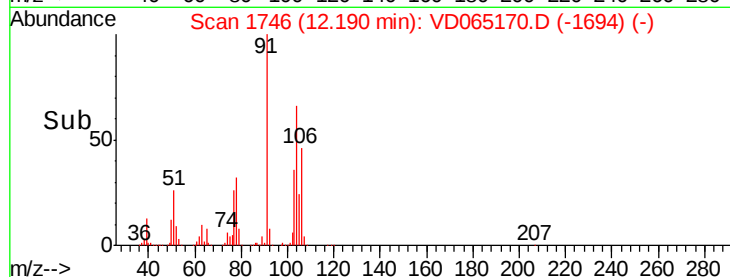
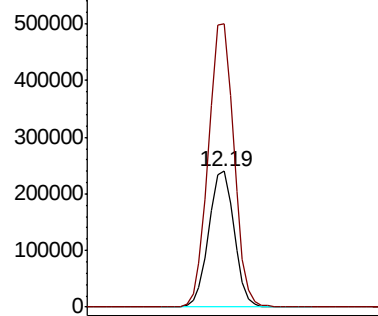
#69
o-Xylene
Concen: 53.090 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 399218
Ion Ratio Lower Upper
106 100
91 208.7 104.7 313.9

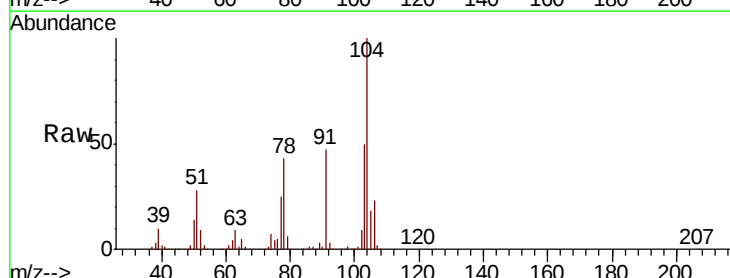


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

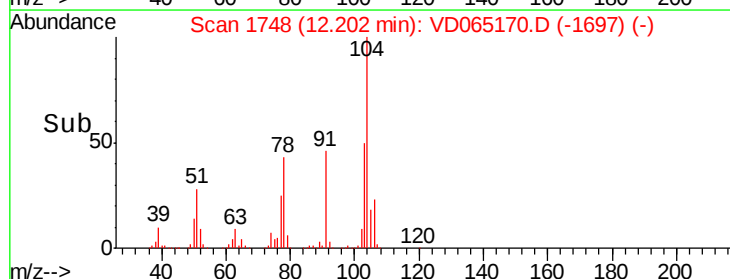
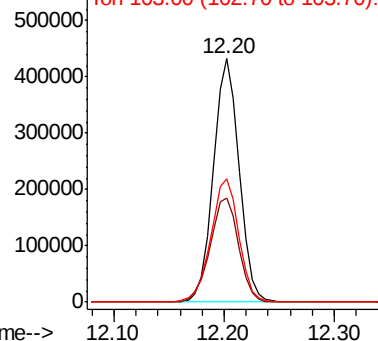


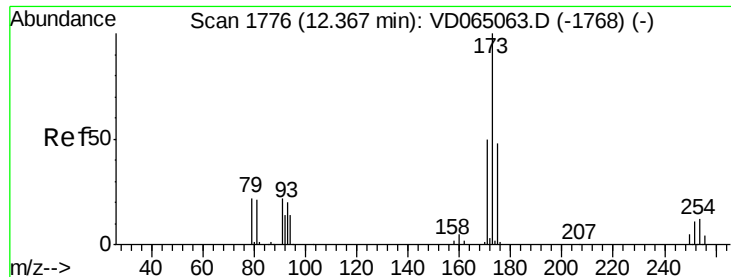
#70
Styrene
Concen: 54.321 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion:104 Resp: 709932
Ion Ratio Lower Upper
104 100
78 47.4 38.5 57.7
103 54.8 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 52.049 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

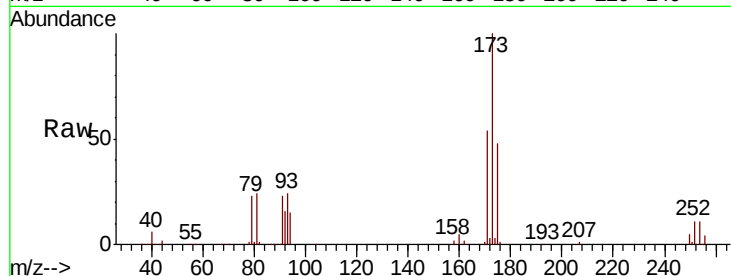
Tot Ion:173 Resp: 124513

Ion Ratio Lower Upper

173 100

175 47.8 24.3 72.8

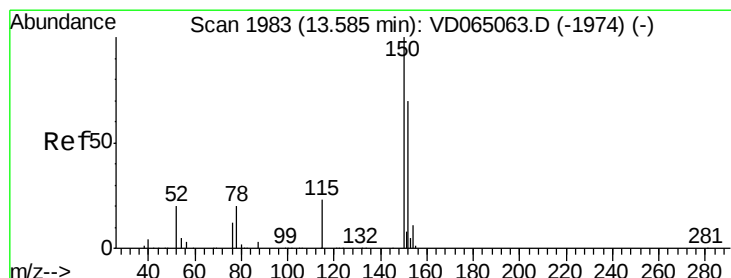
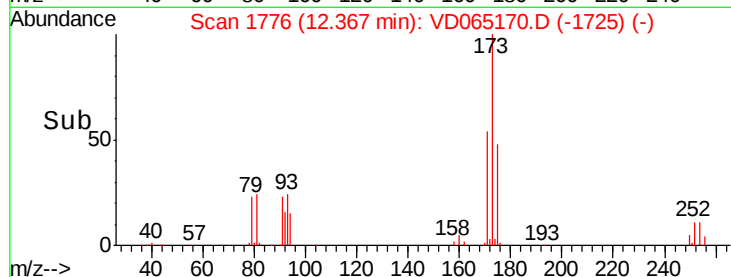
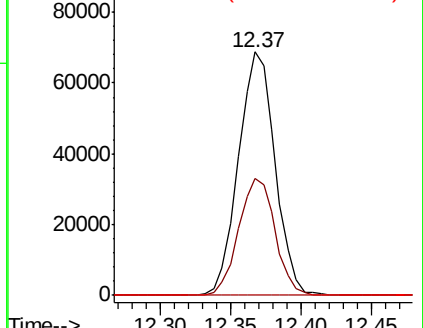
254 0.2 0.1 0.1#



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: VD065170.D

Acq: 13 Feb 2020 10:08

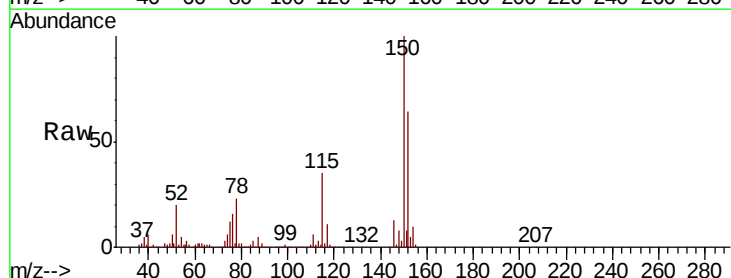
Tgt Ion:152 Resp: 304200

Ion Ratio Lower Upper

152 100

115 54.9 27.5 82.4

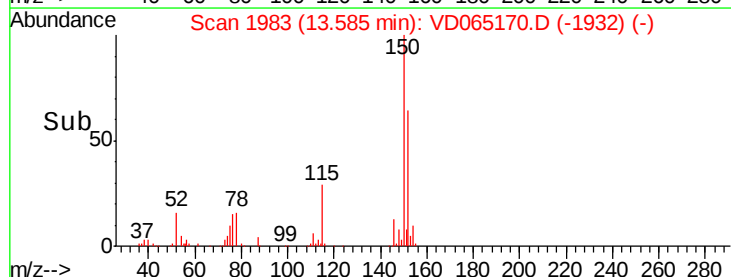
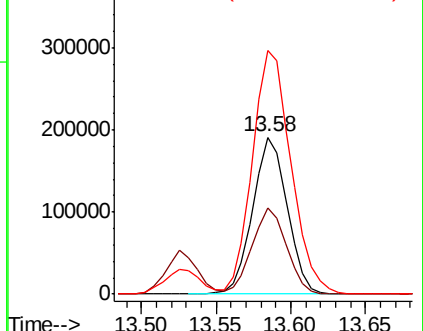
150 174.9 0.0 343.2

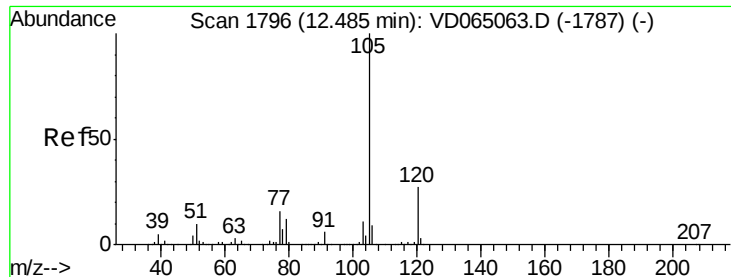


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.573 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

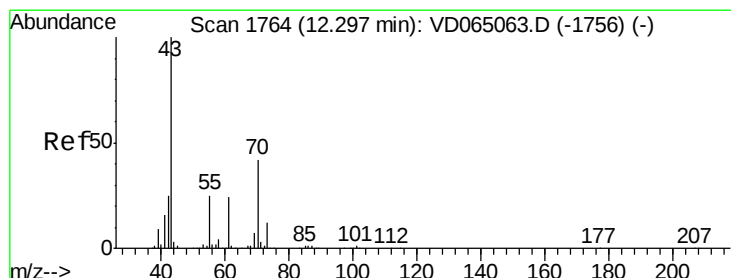
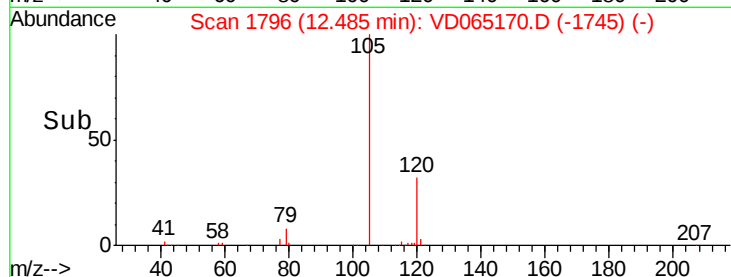
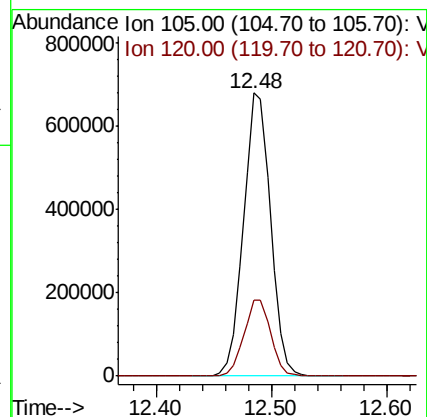
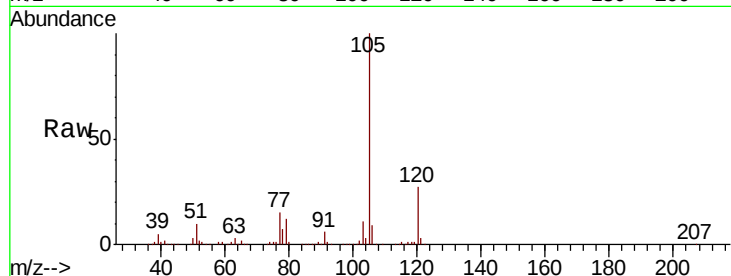
ClientSampleId :

Tot Ion:105 Resp: 1097687

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



#74

N-ethyl acetate

Concen: 48.701 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Tgt Ion: 43 Resp: 221013

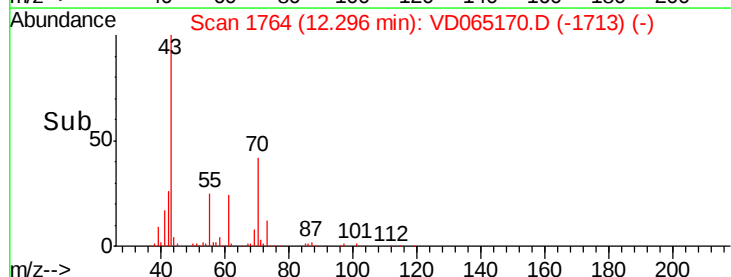
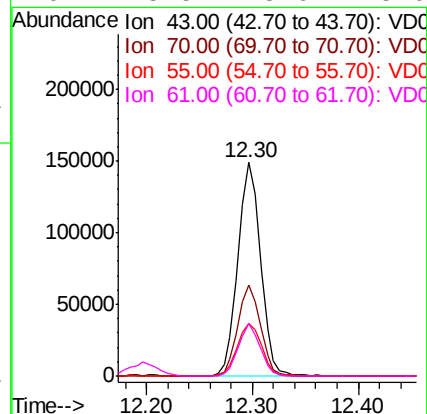
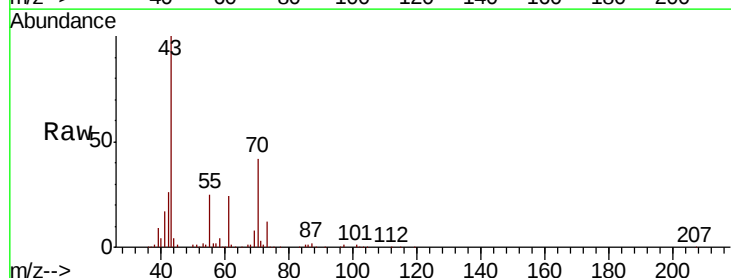
Ion Ratio Lower Upper

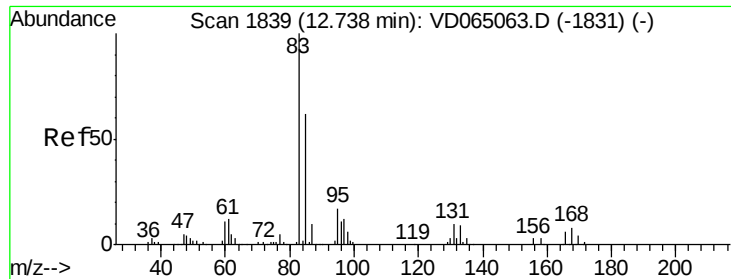
43 100

70 42.2 33.5 50.3

55 26.5 19.4 29.2

61 23.5 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.560 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

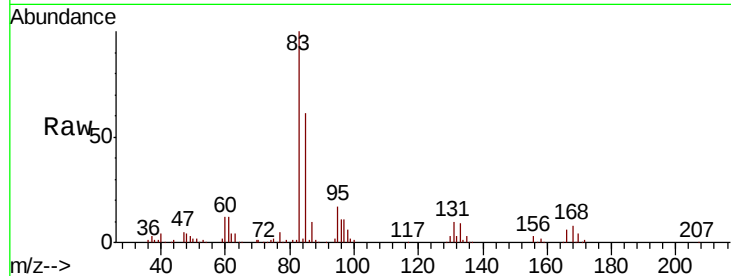
Tot Ion: 83 Resp: 172715

Ion Ratio Lower Upper

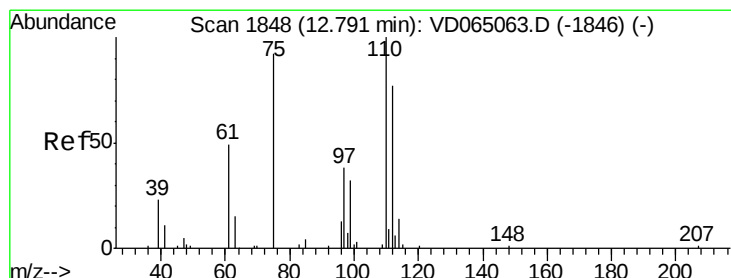
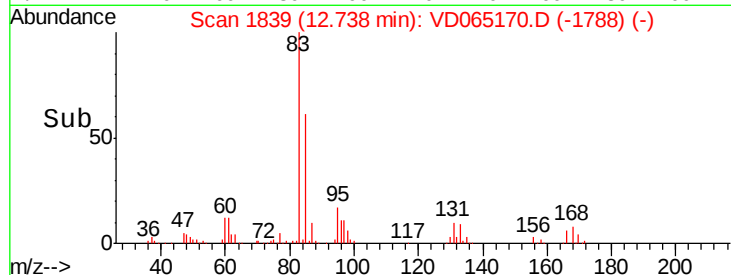
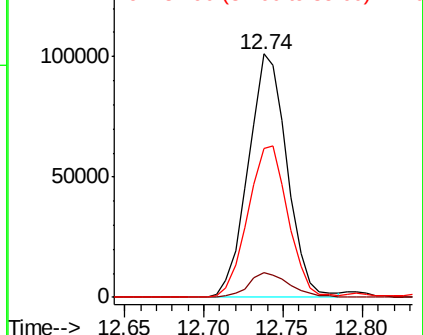
83 100

131 10.7 5.5 16.4

85 64.1 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: 100.172 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065170.D

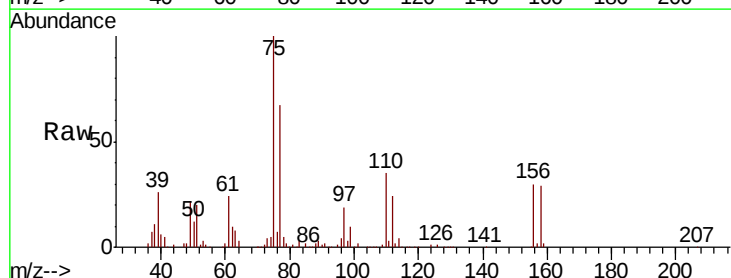
Acq: 13 Feb 2020 10:08

Tgt Ion: 75 Resp: 230708

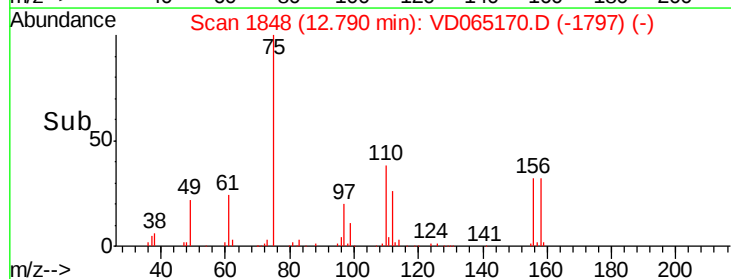
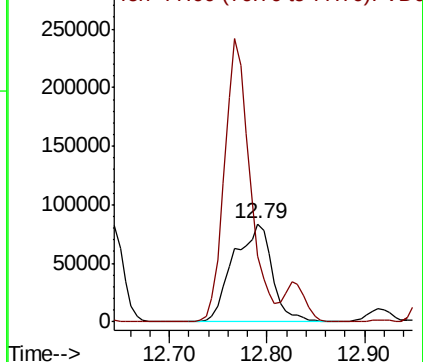
Ion Ratio Lower Upper

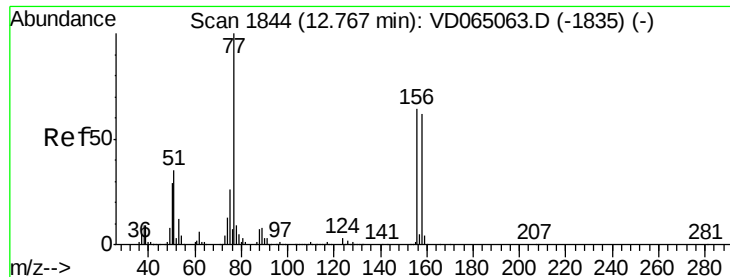
75 100

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: 50.487 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

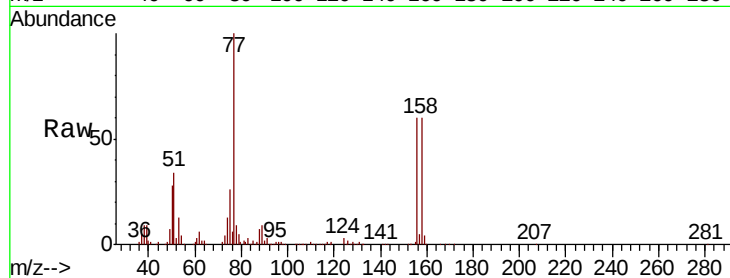
Tot Ion:156 Resp: 253974

Ion Ratio Lower Upper

156 100

77 172.9 85.6 256.8

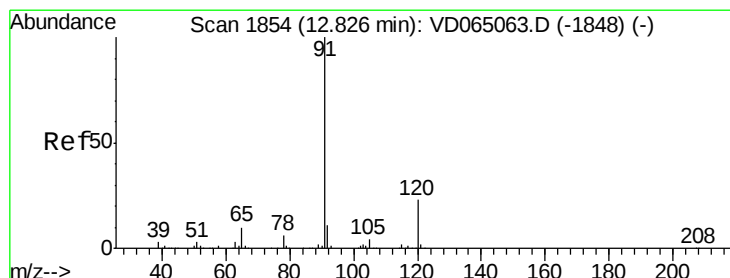
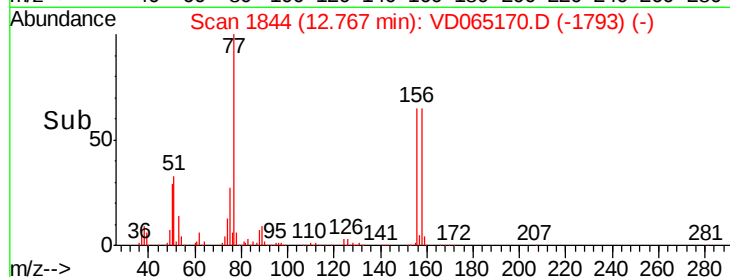
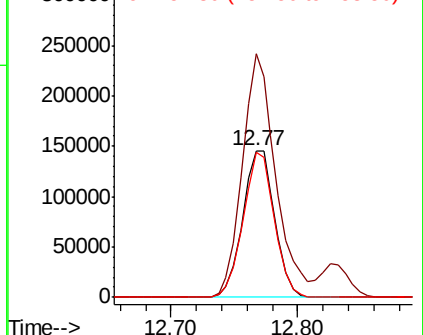
158 96.6 47.4 142.2



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: 54.064 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065170.D

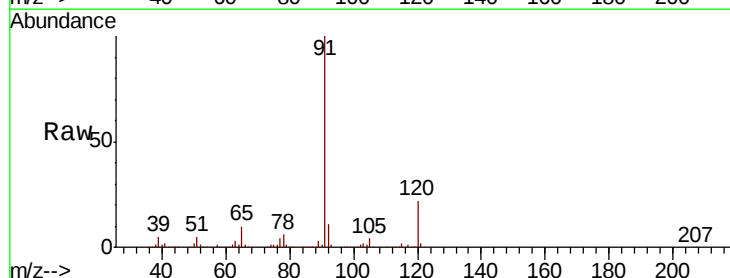
Acq: 13 Feb 2020 10:08

Tgt Ion: 91 Resp: 1321934

Ion Ratio Lower Upper

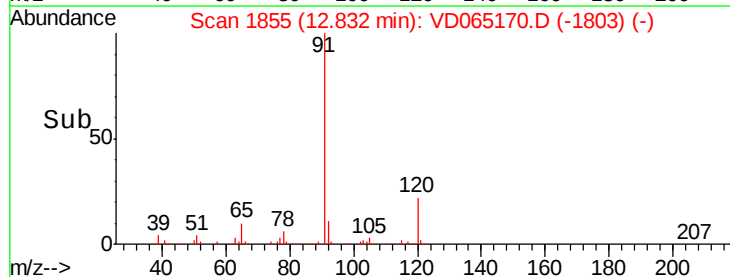
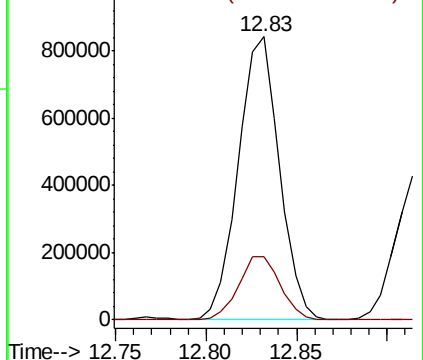
91 100

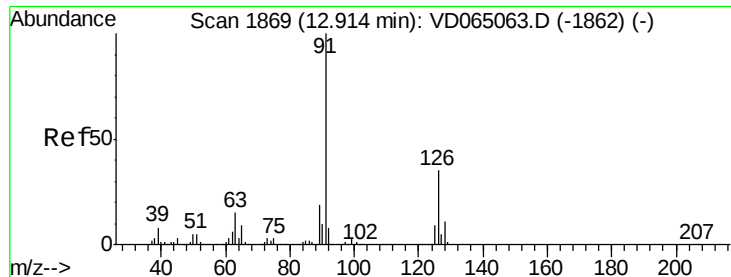
120 23.0 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

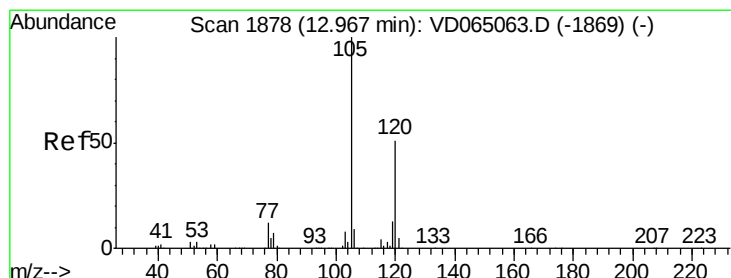
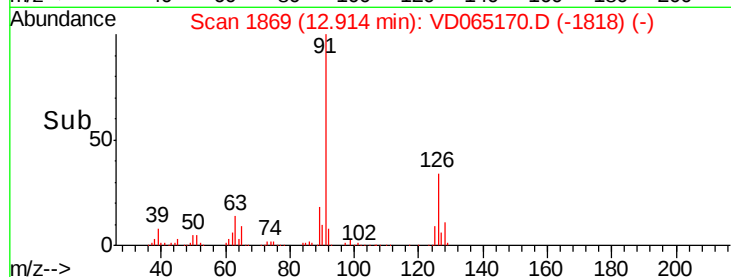
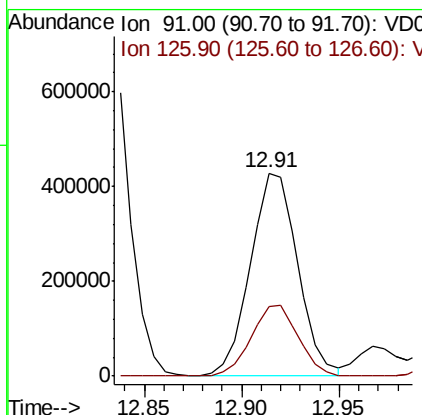
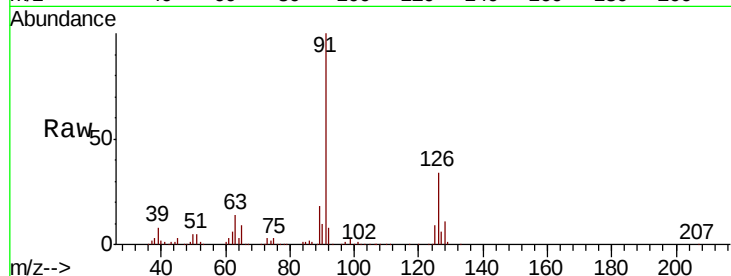




#79
 2-Chlorotoluene
 Concen: 52.746 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

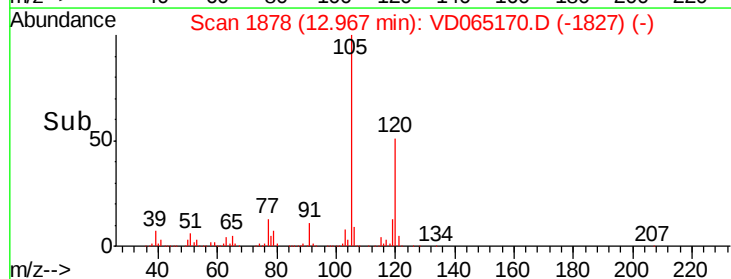
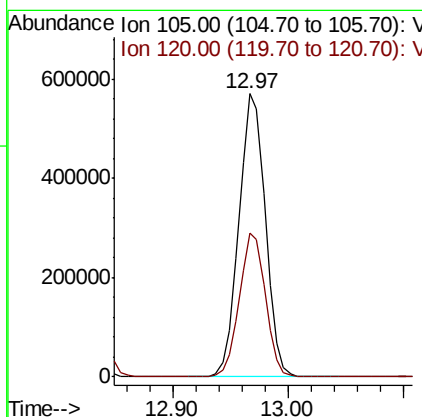
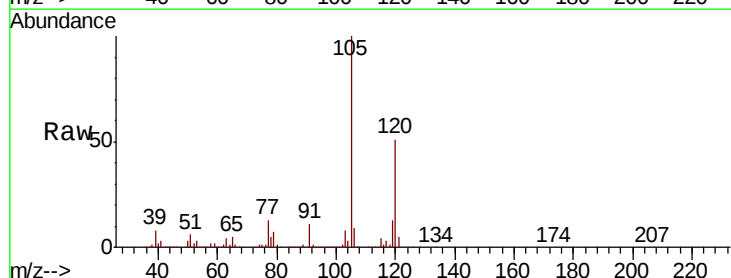
Instrument :
 MSVOA_D
 ClientSampleId :

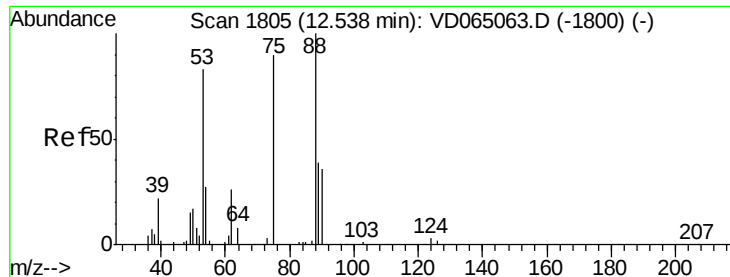
Tot Ion: 91 Resp: 718896
 Ion Ratio Lower Upper
 91 100
 126 34.8 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 52.981 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Tgt Ion: 105 Resp: 904986
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.1 75.4

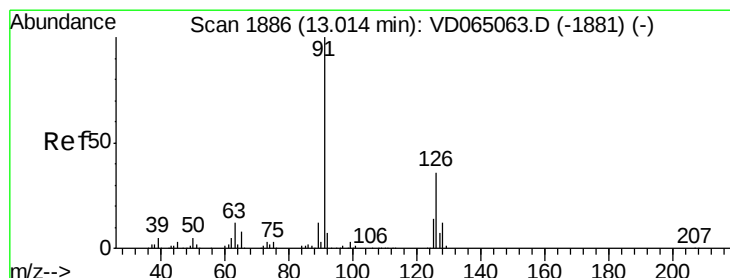
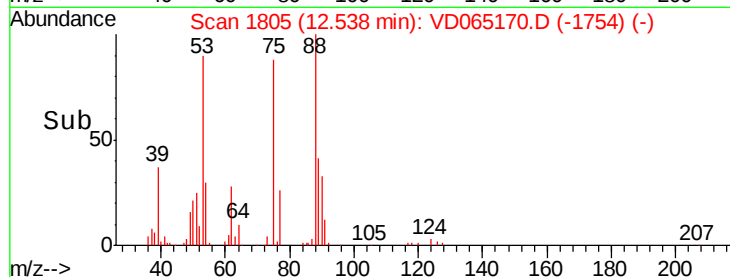
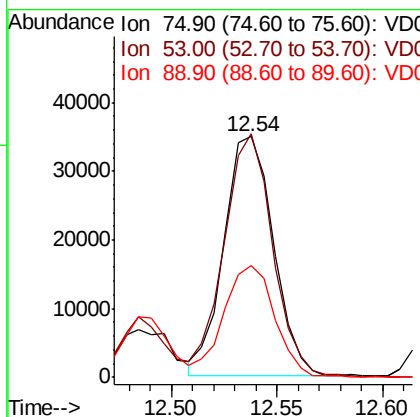
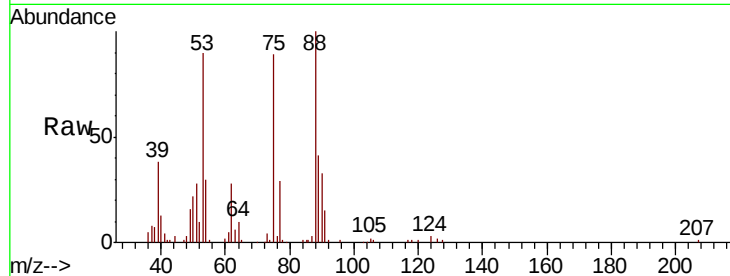




#81
trans-1,4-Dichloro-2-butene
Concen: 49.295 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

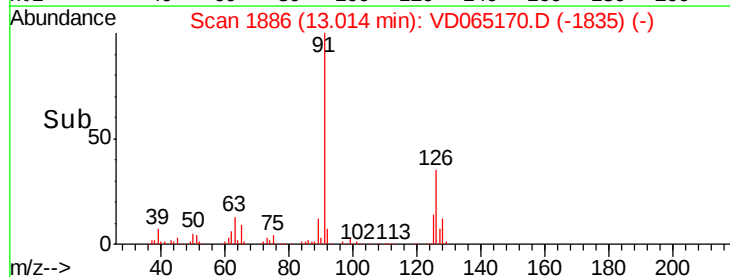
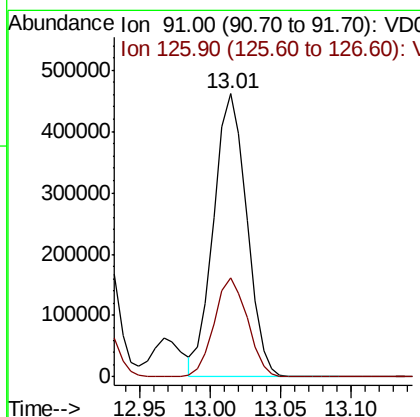
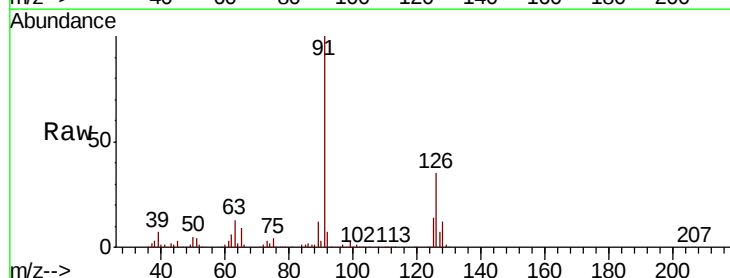
Instrument :
MSVOA_D
ClientSampleId :

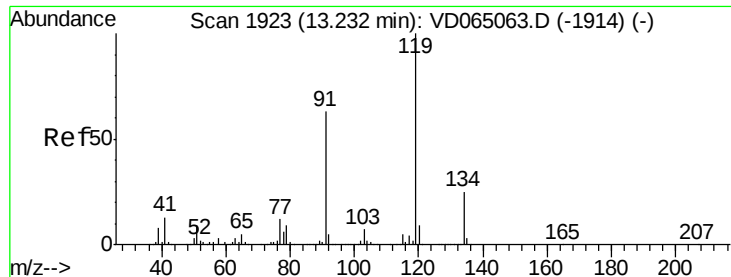
Tot Ion: 75 Resp: 56768
Ion Ratio Lower Upper
75 100
53 100.2 78.5 117.7
89 48.4 37.0 55.4



#82
4-Chlorotoluene
Concen: 52.654 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion: 91 Resp: 753698
Ion Ratio Lower Upper
91 100
126 35.2 17.5 52.5





#83

tert-Butylbenzene

Concen: 53.404 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

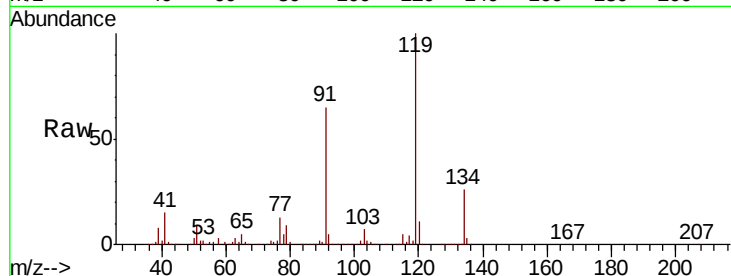
Tot Ion:119 Resp: 786998

Ion Ratio Lower Upper

119 100

91 61.2 32.3 96.9

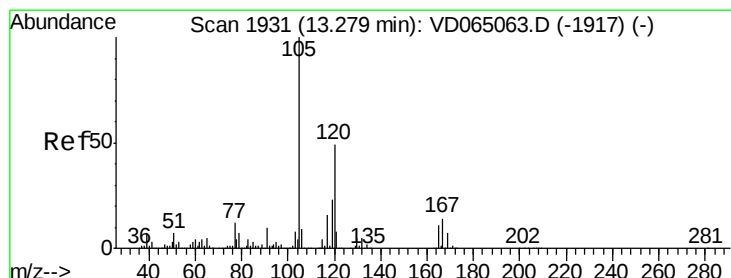
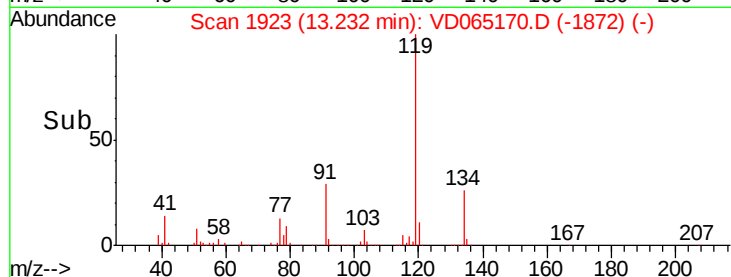
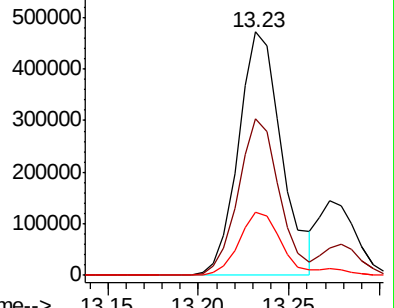
134 26.8 13.8 41.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.011 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. -0.00 min

Lab File: VD065170.D

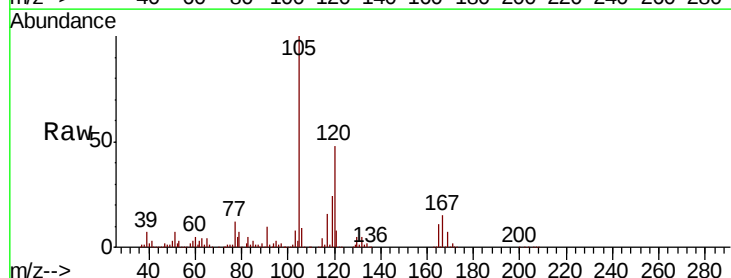
Acq: 13 Feb 2020 10:08

Tgt Ion:105 Resp: 898964

Ion Ratio Lower Upper

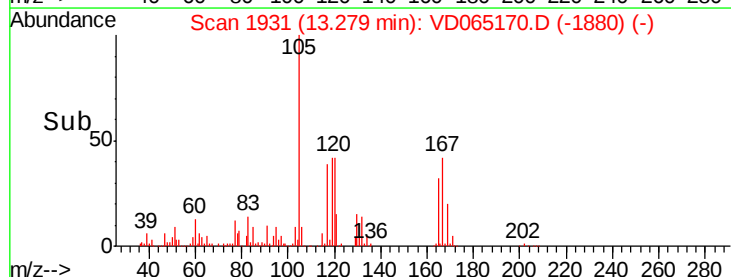
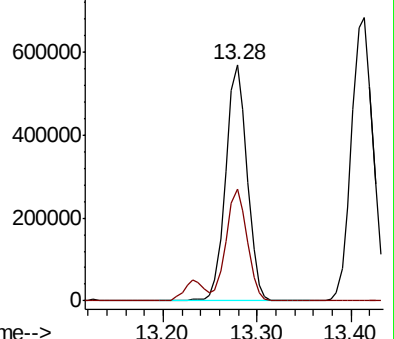
105 100

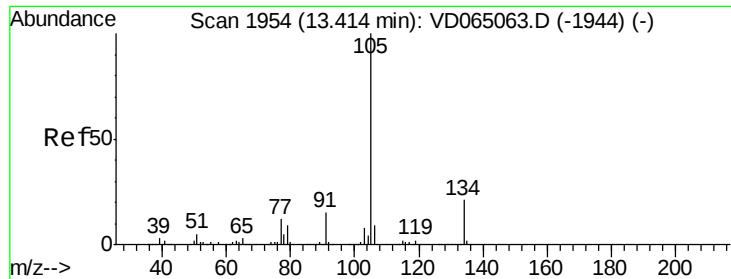
120 46.8 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

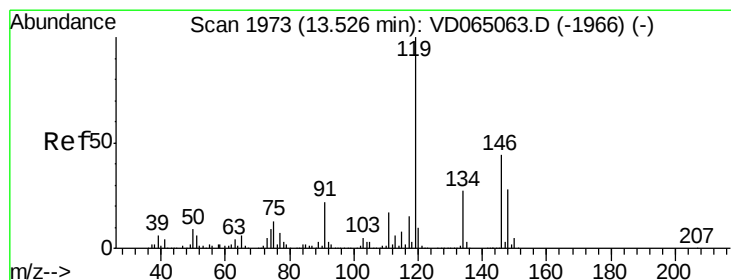
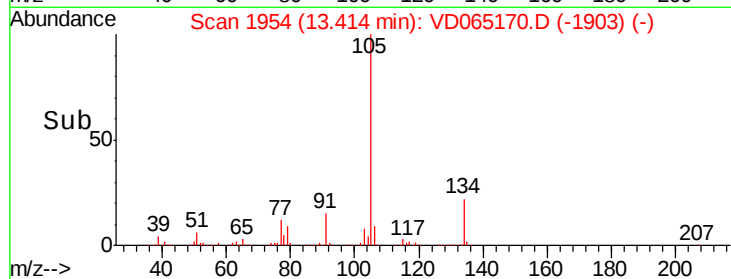
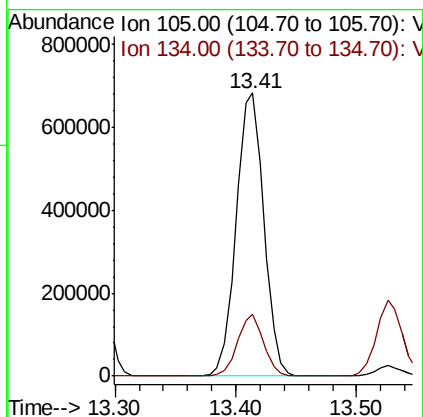
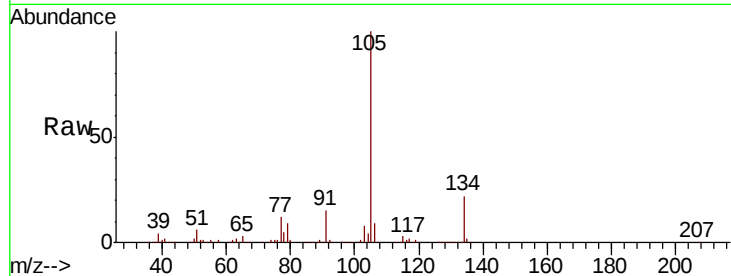




#85
 sec-Butylbenzene
 Concen: 54.112 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

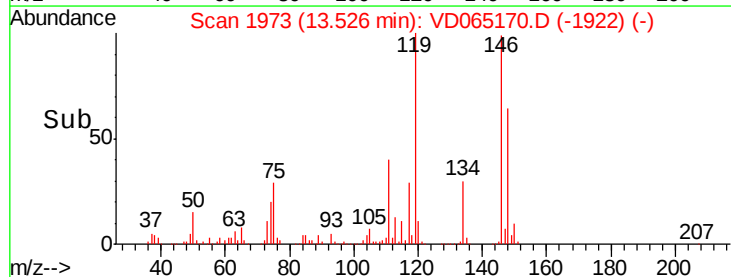
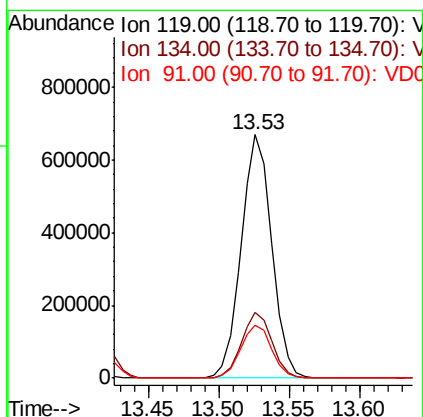
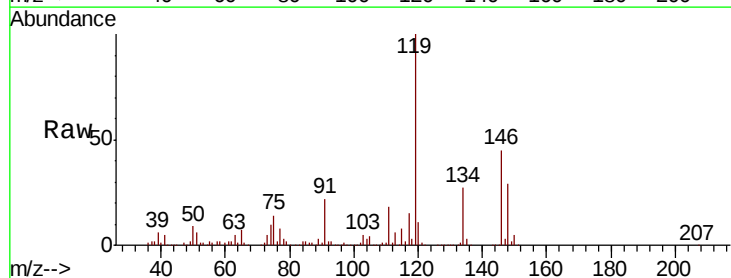
Instrument :
 MSVOA_D
 ClientSampleId :

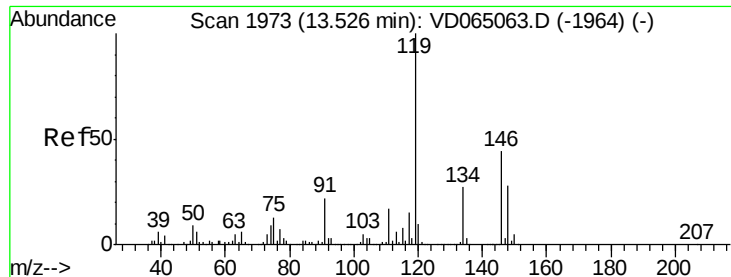
Tot Ion:105 Resp: 1089123
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 53.905 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Tgt Ion:119 Resp: 1008060
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.5 40.5
 91 22.2 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 52.364 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065170.D

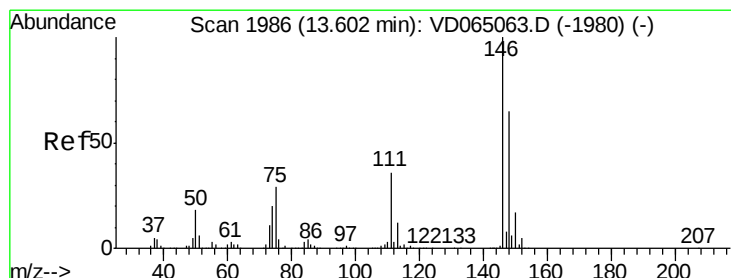
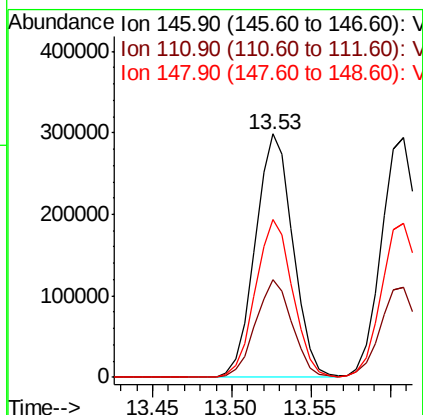
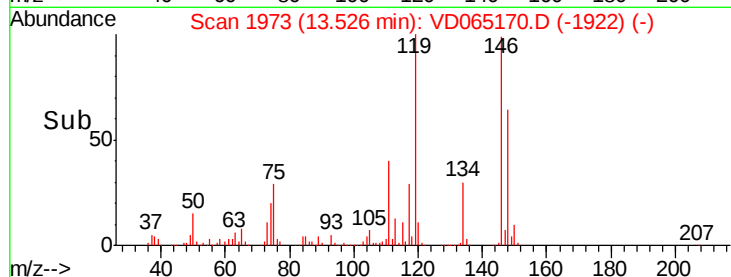
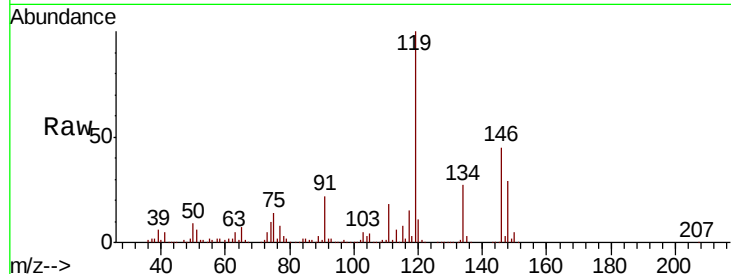
Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:	146	Resp:	493199
Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.4
148	64.0	32.3	96.8



#88

1,4-Dichlorobenzene

Concen: 51.495 ug/l

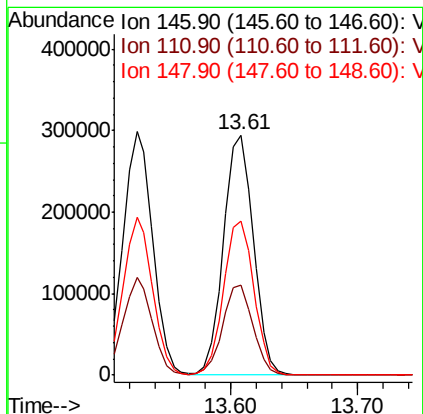
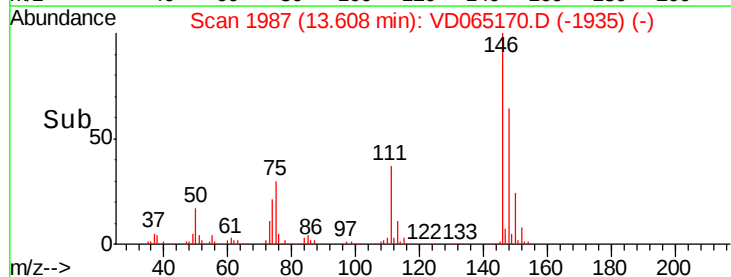
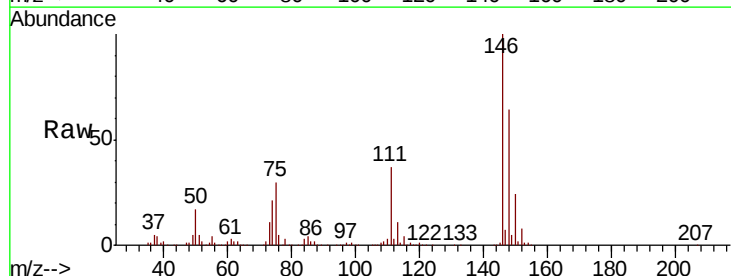
RT: 13.61 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Tgt Ion:	146	Resp:	482730
Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.5	55.5
148	65.0	32.7	98.1

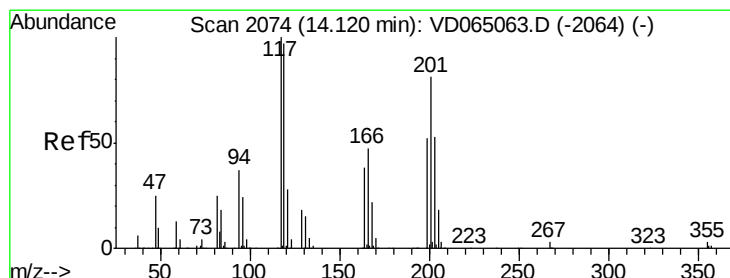
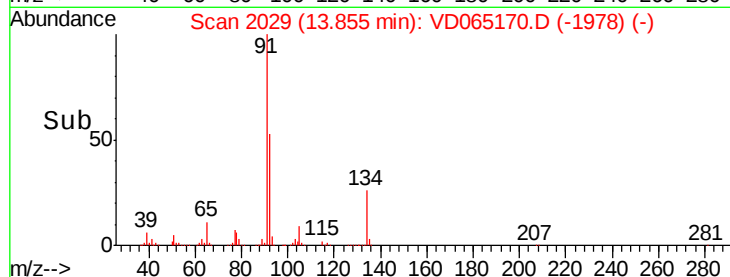
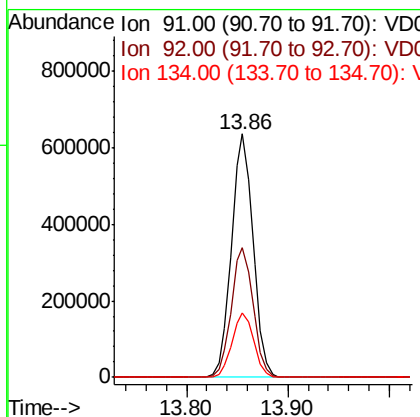
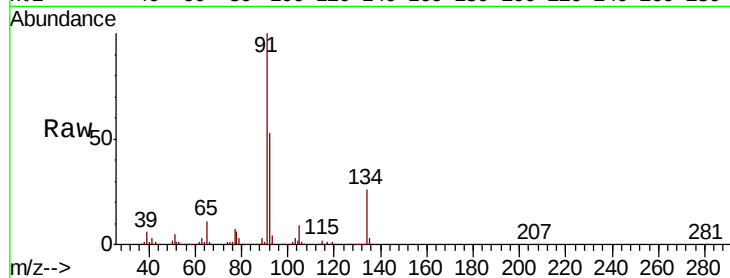




#89
n-Butylbenzene
Concen: 54.468 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

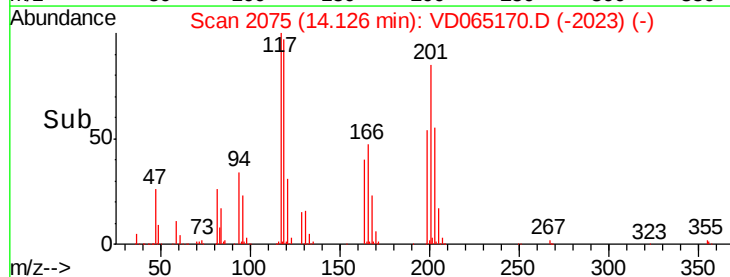
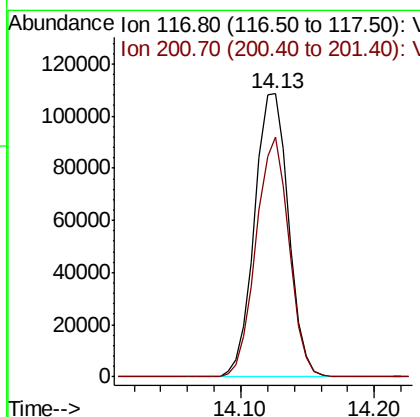
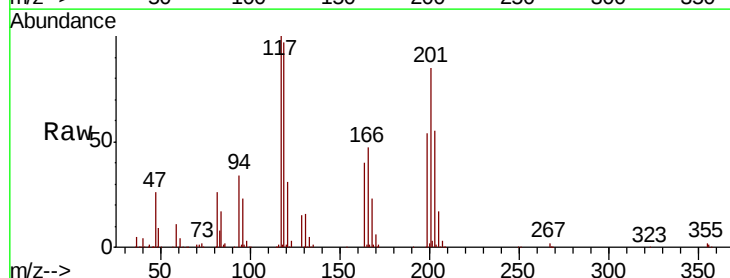
Instrument :
MSVOA_D
ClientSampleId :

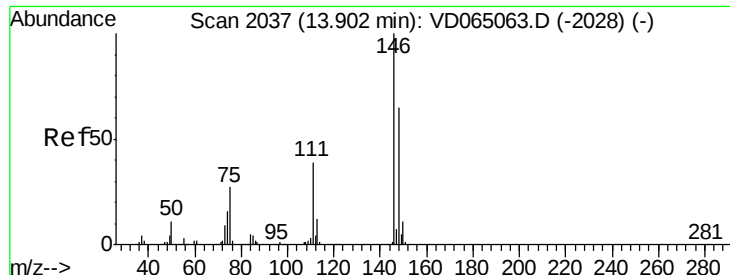
Tot Ion: 91 Resp: 940157
Ion Ratio Lower Upper
91 100
92 53.8 26.7 80.1
134 26.5 13.4 40.2



#90
Hexachloroethane
Concen: 53.966 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion: 117 Resp: 191100
Ion Ratio Lower Upper
117 100
201 82.2 42.5 127.6

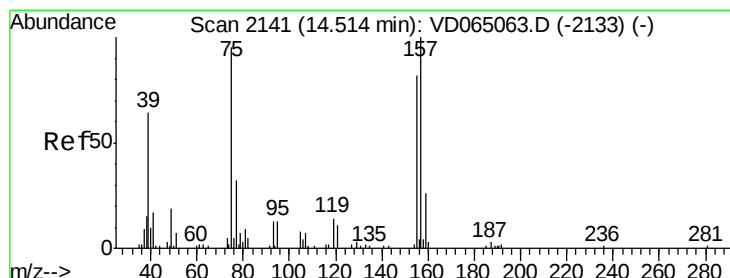
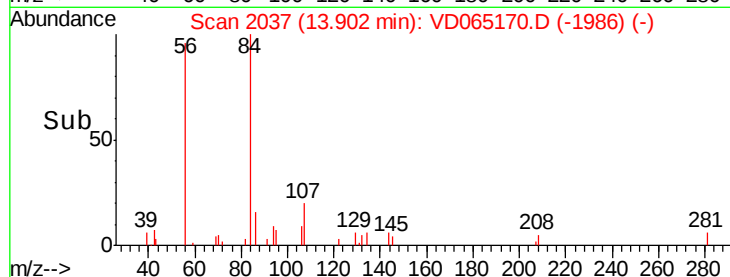
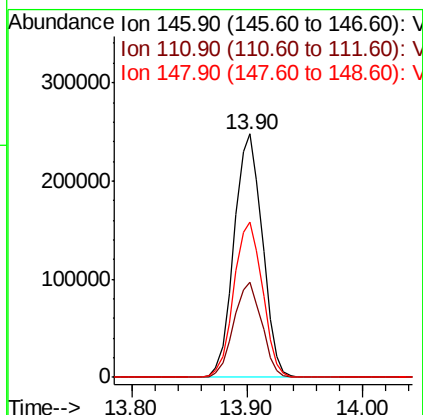
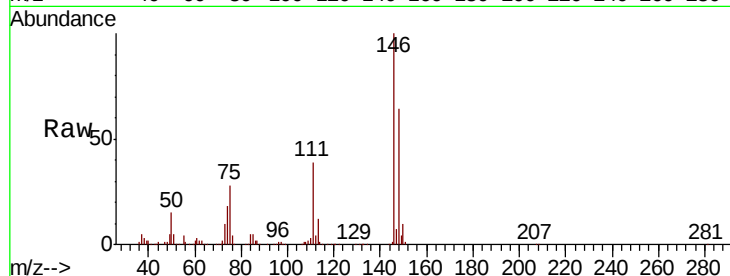




#91
 1,2-Dichlorobenzene
 Concen: 52.121 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

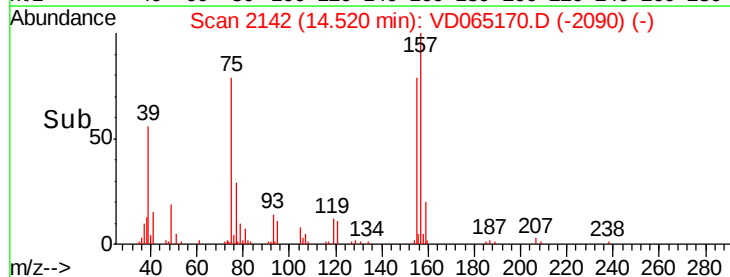
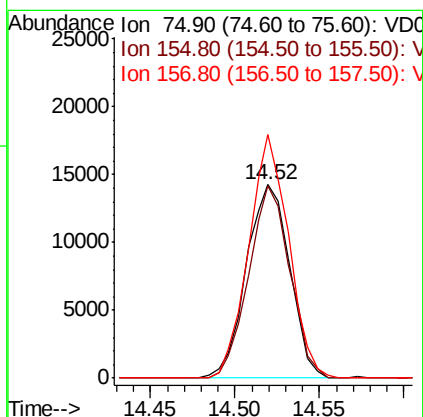
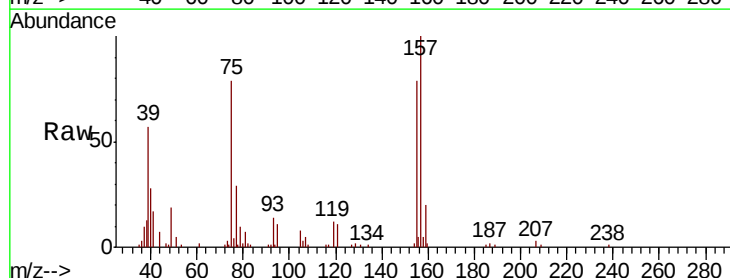
Instrument :
 MSVOA_D
 ClientSampleId :

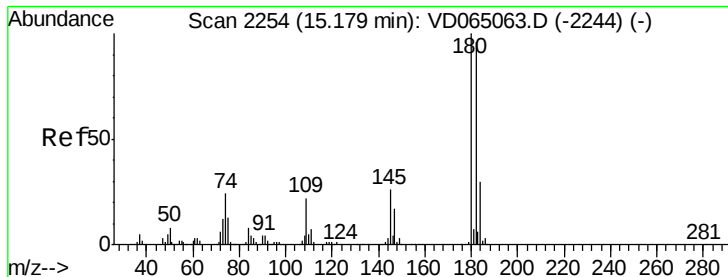
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.1
148	64.4	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.397 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.5	43.4	130.1
157	115.8	55.8	167.3

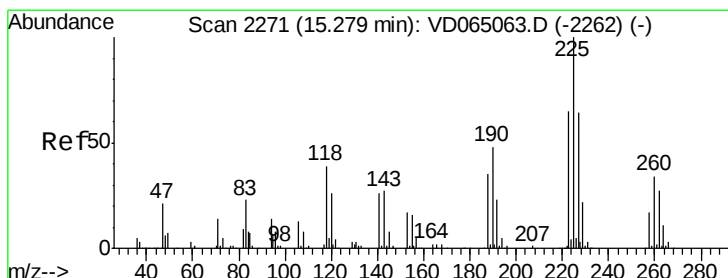
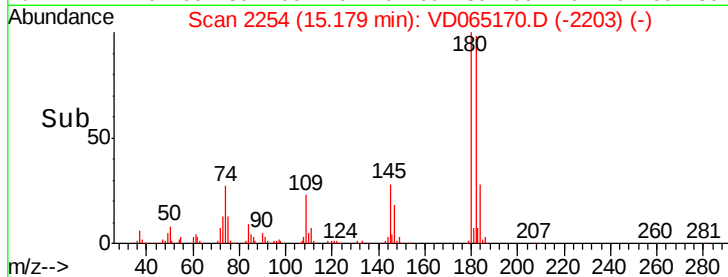
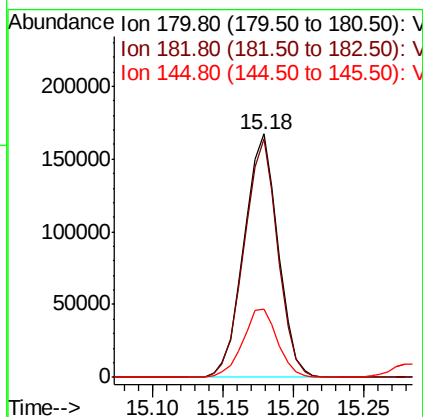
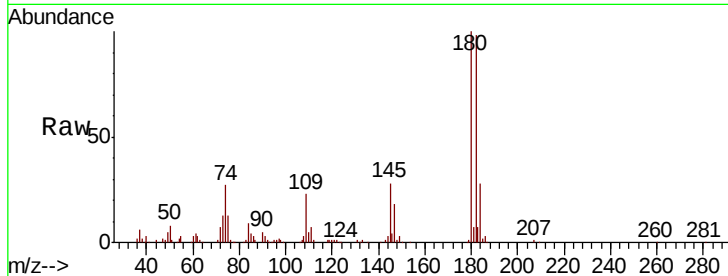




#93
 1,2,4-Trichlorobenzene
 Concen: 49.054 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

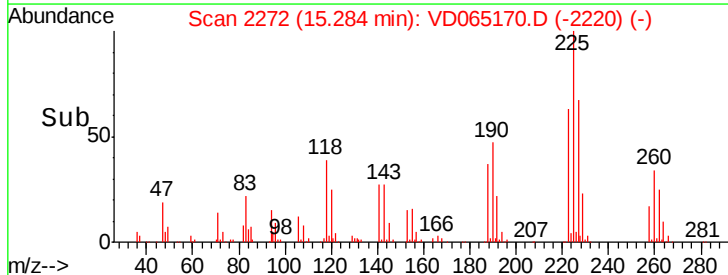
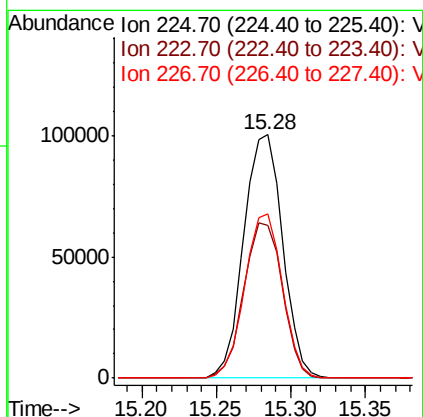
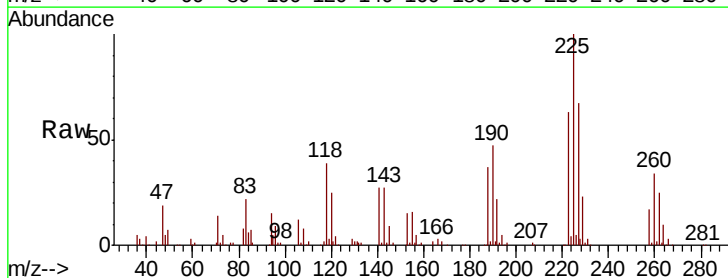
Instrument :
 MSVOA_D
 ClientSampled :

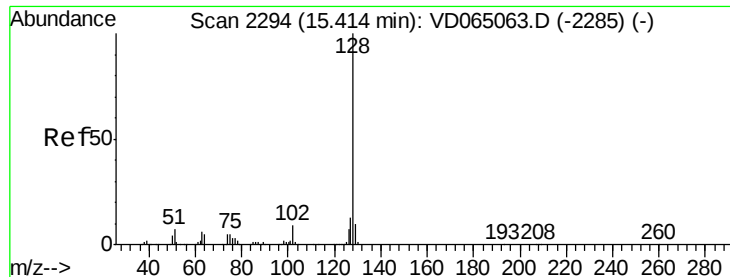
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.4	142.3
145	28.6	14.1	42.4



#94
 Hexachlorobutadiene
 Concen: 51.196 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.4	94.0
227	65.1	31.8	95.3

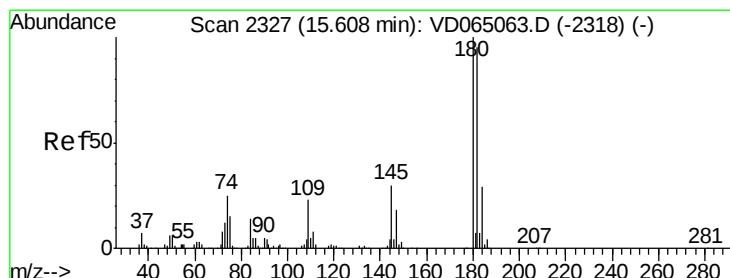
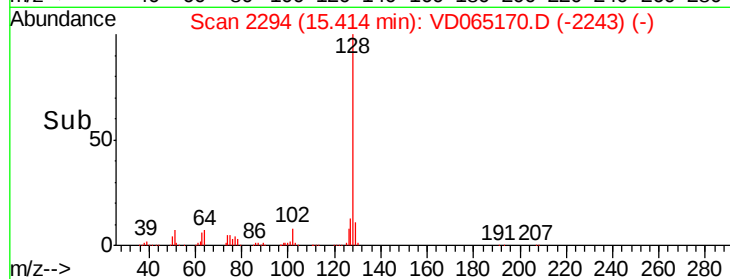
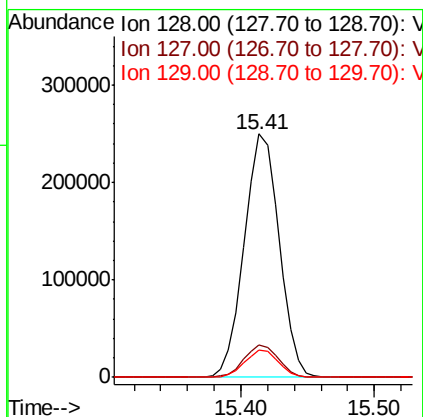
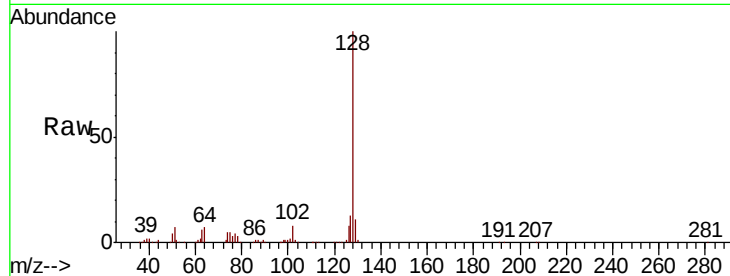




#95
Naphthalene
Concen: 47.298 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 453285
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 48.820 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion:180 Resp: 240785
Ion Ratio Lower Upper
180 100
182 96.7 47.1 141.4
145 31.5 14.9 44.9

