

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020720\
 Data File : VD065104.D
 Acq On : 07 Feb 2020 12:29
 Operator : VA/SY
 Sample : VD0207SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 08 00:06:07 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	431850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	646912	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	584742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	282669	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	202240	55.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.20%	
35) Dibromofluoromethane	7.92	113	199009	55.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.28%	
50) Toluene-d8	10.34	98	785477	54.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.34%	
62) 4-Bromofluorobenzene	12.64	95	241582	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	76503	21.288	ug/l	96
3) Chloromethane	2.21	50	98674	23.325	ug/l	95
4) Vinyl Chloride	2.35	62	104662	23.394	ug/l	99
5) Bromomethane	2.76	94	65088	22.437	ug/l	99
6) Chloroethane	2.92	64	66115	23.823	ug/l	100
7) Trichlorofluoromethane	3.27	101	153469	23.571	ug/l	99
8) Diethyl Ether	3.70	74	38029	20.346	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.08	101	85610	21.509	ug/l	99
10) Methyl Iodide	4.29	142	83152	18.303	ug/l	99
11) Tert butyl alcohol	5.25	59	21439	95.601	ug/l	97
12) 1,1-Dichloroethene	4.06	96	80202	21.039	ug/l	96
13) Acrolein	3.93	56	27356	99.178	ug/l	97
14) Allyl chloride	4.71	41	133533	21.077	ug/l	99
15) Acrylonitrile	5.43	53	86442	105.783	ug/l	99
16) Acetone	4.17	43	85790	93.489	ug/l	100
17) Carbon Disulfide	4.40	76	267204	21.831	ug/l	100
18) Methyl Acetate	4.73	43	40951	21.359	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	165264	19.605	ug/l	95
20) Methylene Chloride	4.96	84	96748	21.715	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	90993	21.098	ug/l	95
22) Diisopropyl ether	6.37	45	257497	21.547	ug/l	97
23) Vinyl Acetate	6.31	43	679425	102.003	ug/l	100
24) 1,1-Dichloroethane	6.27	63	157411	21.762	ug/l	99
25) 2-Butanone	7.22	43	109648	100.170	ug/l	94
26) 2,2-Dichloropropane	7.21	77	143700	22.164	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	95137	20.764	ug/l	99
28) Bromochloromethane	7.54	49	56472	20.596	ug/l	96
29) Tetrahydrofuran	7.57	42	68808	103.946	ug/l	95
30) Chloroform	7.71	83	158913	22.064	ug/l	90
31) Cyclohexane	7.98	56	152768	20.923	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	146932	21.901	ug/l	99
36) 1,1-Dichloropropene	8.11	75	128991	21.444	ug/l	98
37) Ethyl Acetate	7.30	43	50855	20.694	ug/l	96
38) Carbon Tetrachloride	8.10	117	133235	21.687	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	148203	19.960	ug/l	99
40) Benzene	8.36	78	356696	21.473	ug/l	96
41) Methacrylonitrile	7.53	41	27850	20.571	ug/l	94
42) 1,2-Dichloroethane	8.43	62	101364	21.416	ug/l	98
43) Isopropyl Acetate	8.46	43	93660	19.924	ug/l	99
44) Trichloroethene	9.11	130	98140	20.583	ug/l	100
45) 1,2-Dichloropropane	9.39	63	86420	21.699	ug/l	94
46) Dibromomethane	9.48	93	44106	21.075	ug/l	98
47) Bromodichloromethane	9.67	83	121634	22.058	ug/l	99
48) Methyl methacrylate	9.46	41	42416	18.751	ug/l	96
49) 1,4-Dioxane	9.47	88	9747	393.217	ug/l #	93
51) 4-Methyl-2-Pentanone	10.24	43	237853	102.794	ug/l	98
52) Toluene	10.41	92	226511	21.365	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	110944	20.664	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	135003	21.024	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	60581	21.104	ug/l	94
56) Ethyl methacrylate	10.67	69	68132	18.758	ug/l	92
57) 1,3-Dichloropropane	10.96	76	105655	20.931	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	115290	85.755	ug/l	100
59) 2-Hexanone	10.99	43	161215	98.363	ug/l	98
60) Dibromochloromethane	11.15	129	81204	21.840	ug/l	99
61) 1,2-Dibromoethane	11.25	107	59173	21.096	ug/l	99
64) Tetrachloroethene	10.88	164	83863	19.959	ug/l	94
65) Chlorobenzene	11.68	112	237233	20.976	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	87176	20.884	ug/l	97
67) Ethyl Benzene	11.75	91	422192	20.547	ug/l	99
68) m/p-Xylenes	11.86	106	326267	41.602	ug/l	100
69) o-Xylene	12.19	106	141877	20.089	ug/l	99
70) Styrene	12.20	104	254483	20.733	ug/l	99
71) Bromoform	12.37	173	45805	20.387	ug/l #	99
73) Isopropylbenzene	12.49	105	390742	20.140	ug/l	100
74) N-amyl acetate	12.30	43	82205	19.494	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	63966	20.949	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	84833	39.640	ug/l #	100
77) Bromobenzene	12.77	156	94103	20.131	ug/l	97
78) n-propylbenzene	12.83	91	473654	20.847	ug/l	100
79) 2-Chlorotoluene	12.92	91	259027	20.453	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	328720	20.710	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	21313	19.917	ug/l	93
82) 4-Chlorotoluene	13.01	91	273258	20.544	ug/l	99
83) tert-Butylbenzene	13.24	119	272973	19.934	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	323567	20.534	ug/l	100
85) sec-Butylbenzene	13.41	105	382917	20.474	ug/l	99
86) p-Isopropyltoluene	13.53	119	357543	20.576	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	180237	20.594	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	174775	20.064	ug/l	99
89) n-Butylbenzene	13.86	91	330384	20.599	ug/l	99
90) Hexachloroethane	14.13	117	71030	21.586	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	152087	20.288	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10444	20.953	ug/l	96

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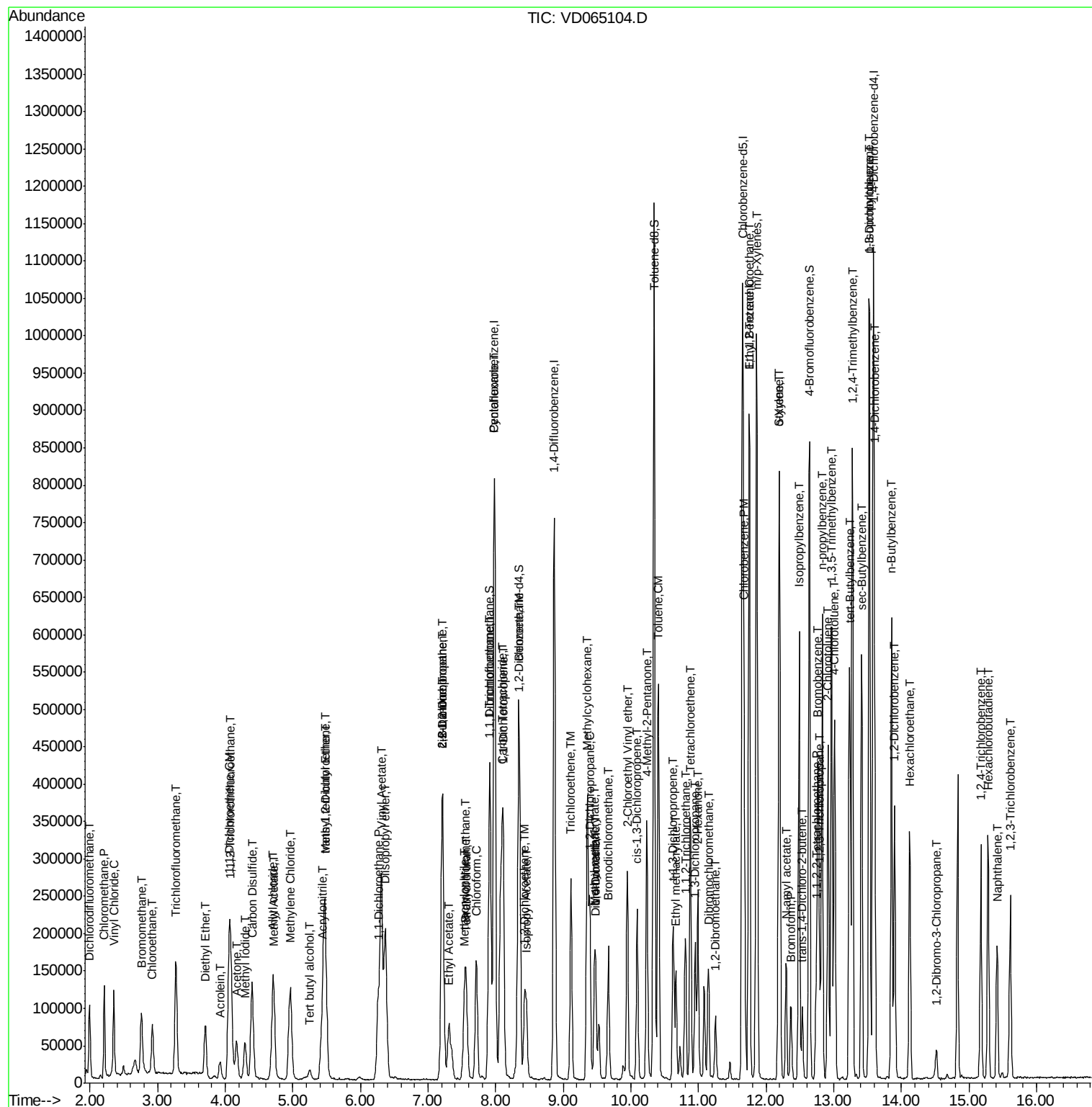
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	103836	19.380	ug/l	99
94) Hexachlorobutadiene	15.28	225	68316	20.737	ug/l	95
95) Naphthalene	15.42	128	156380	17.560	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	88620	19.337	ug/l	99

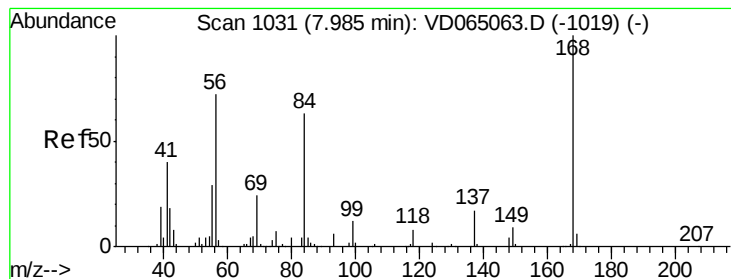
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

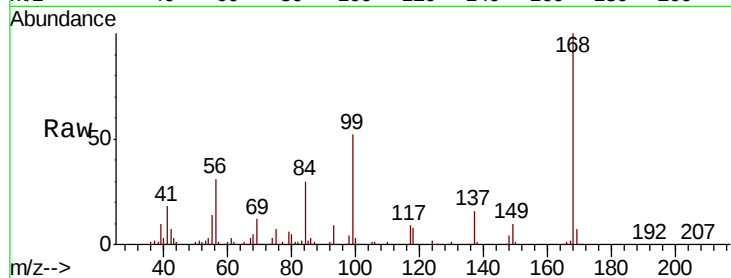
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 431850

Ion Ratio Lower Upper

168 100

99 51.6 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

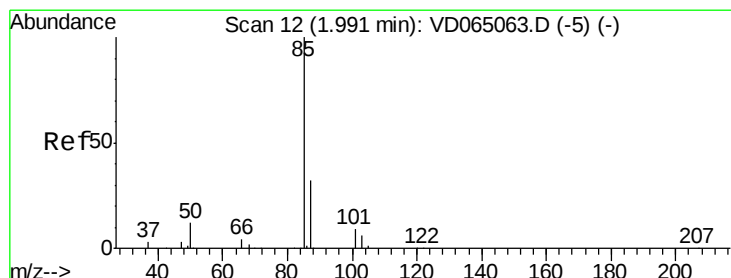
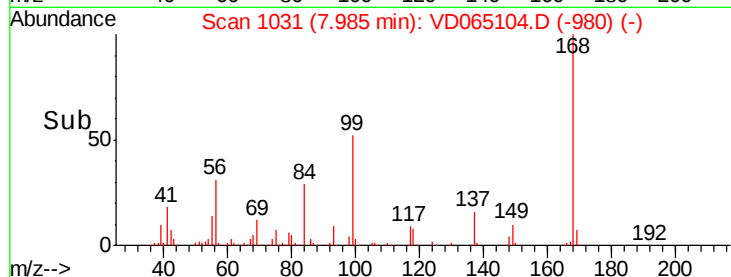
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.288 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065104.D

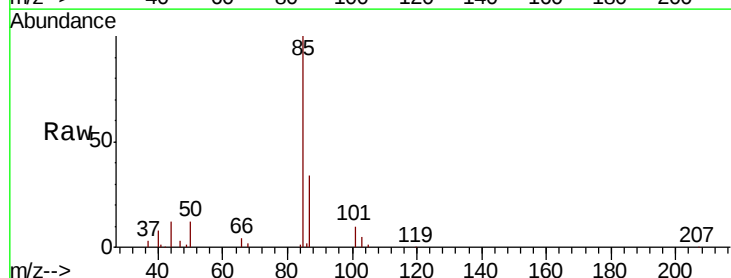
Acq: 07 Feb 2020 12:29

Tgt Ion: 85 Resp: 76503

Ion Ratio Lower Upper

85 100

87 33.7 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

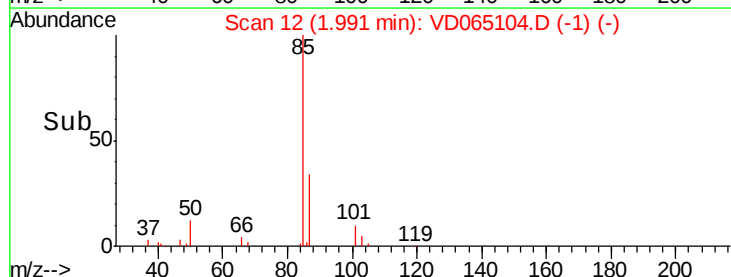
20000

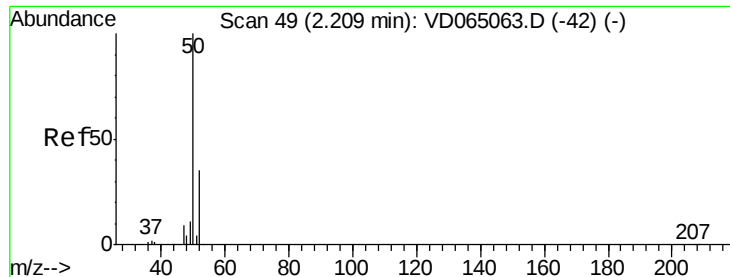
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 23.325 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

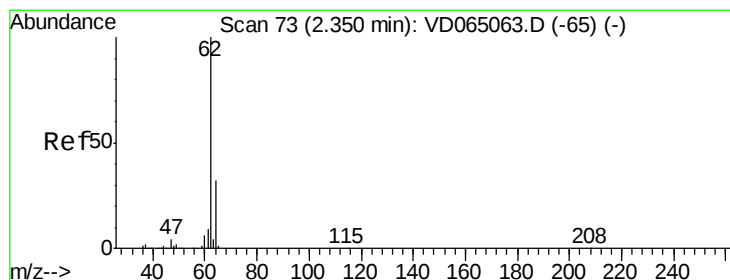
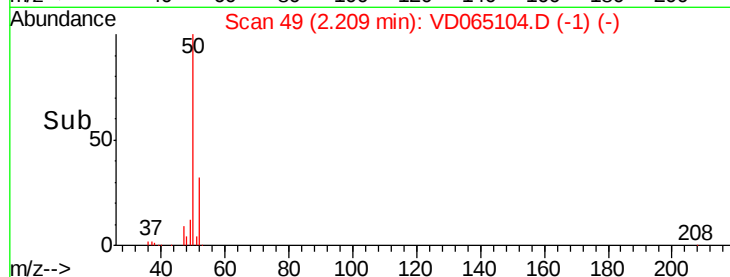
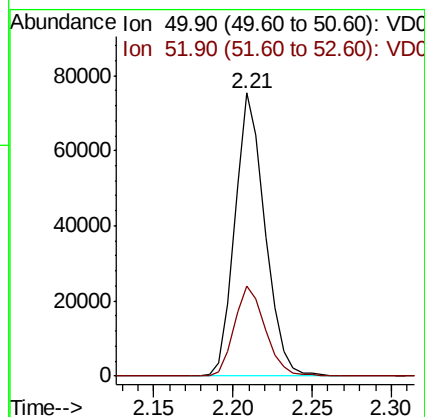
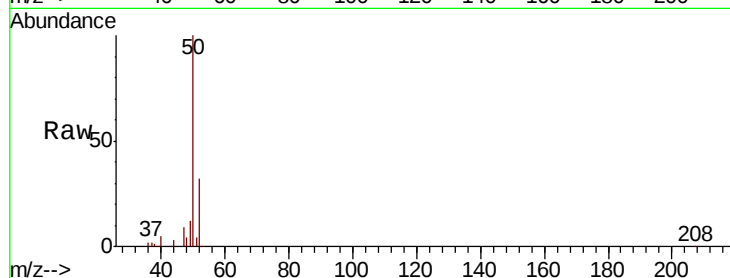
ClientSampleId :

Tot Ion: 50 Resp: 98674

Ion Ratio Lower Upper

50 100

52 32.0 27.8 41.6



#4

Vinyl Chloride

Concen: 23.394 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065104.D

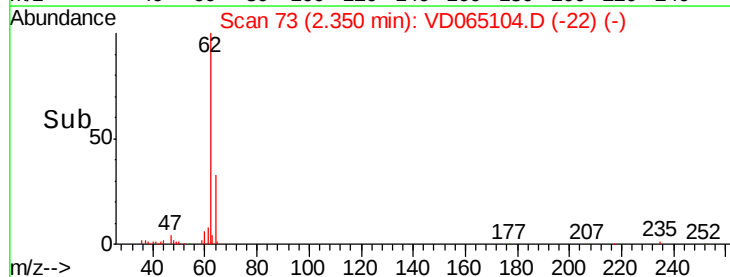
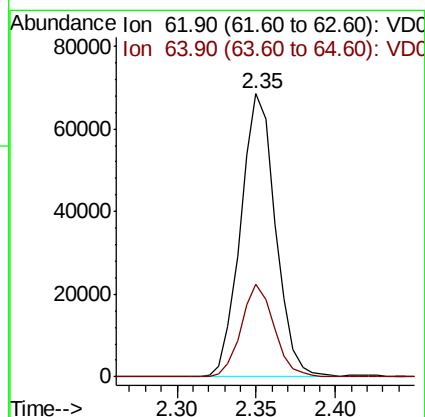
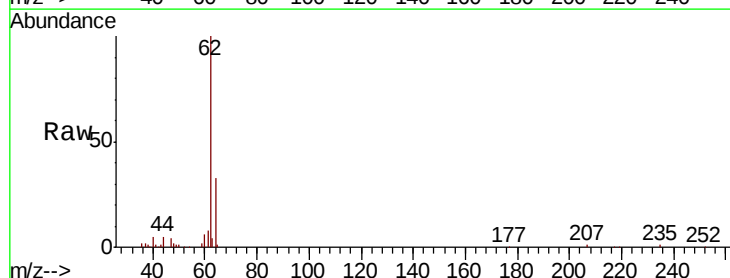
Acq: 07 Feb 2020 12:29

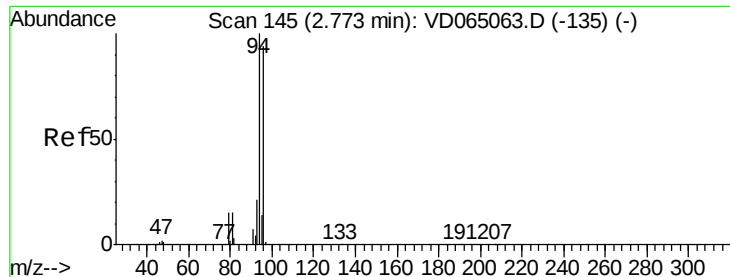
Tgt Ion: 62 Resp: 104662

Ion Ratio Lower Upper

62 100

64 33.0 25.9 38.9





#5

Bromomethane

Concen: 22.437 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

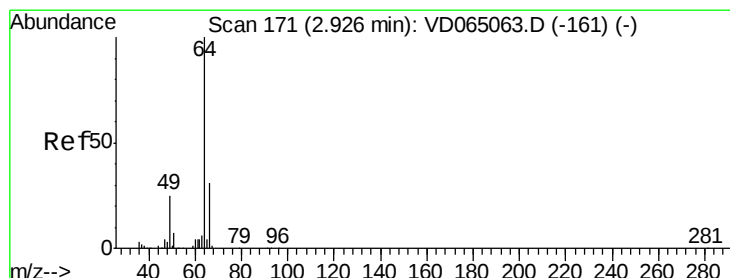
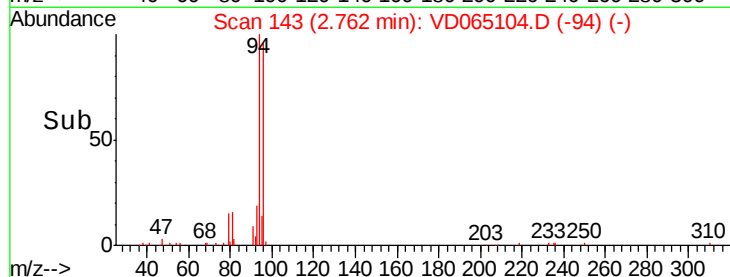
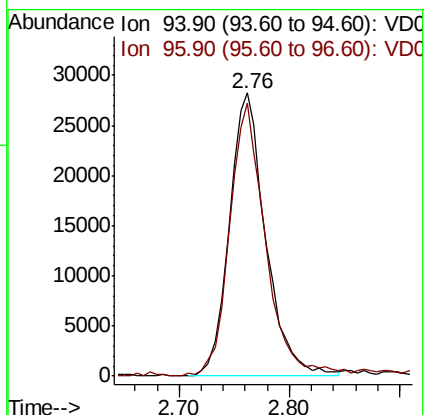
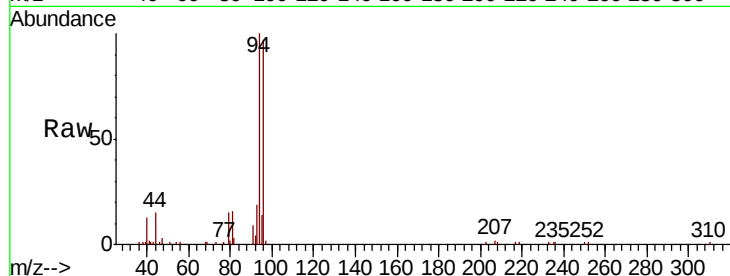
ClientSampleId :

Tot Ion: 94 Resp: 65088

Ion Ratio Lower Upper

94 100

96 95.6 75.4 113.0



#6

Chloroethane

Concen: 23.823 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065104.D

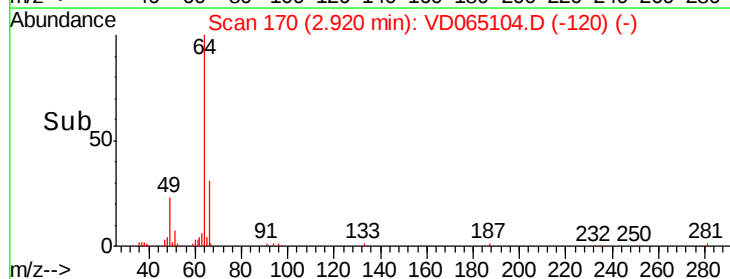
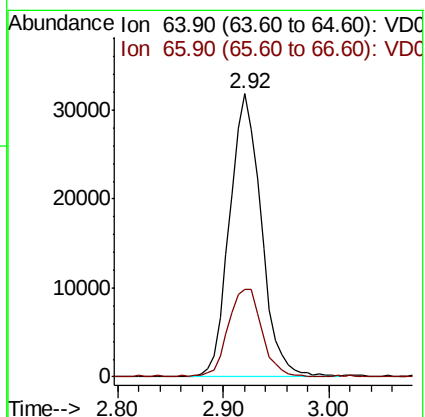
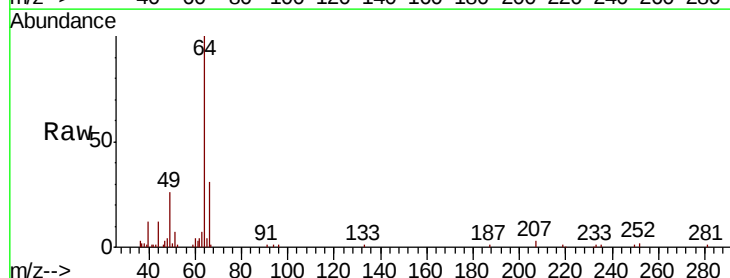
Acq: 07 Feb 2020 12:29

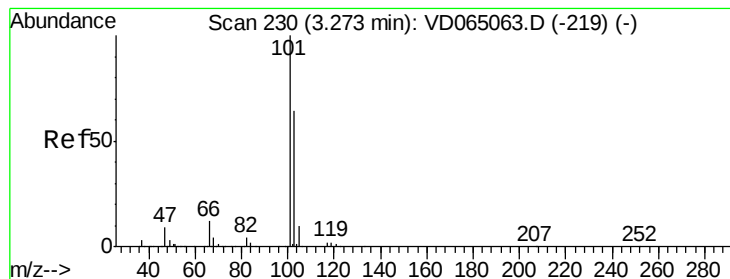
Tgt Ion: 64 Resp: 66115

Ion Ratio Lower Upper

64 100

66 31.1 24.8 37.2



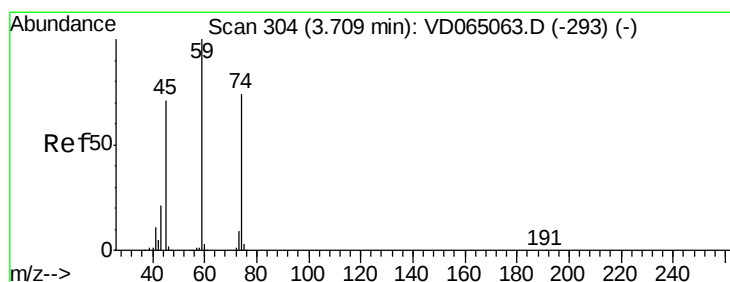
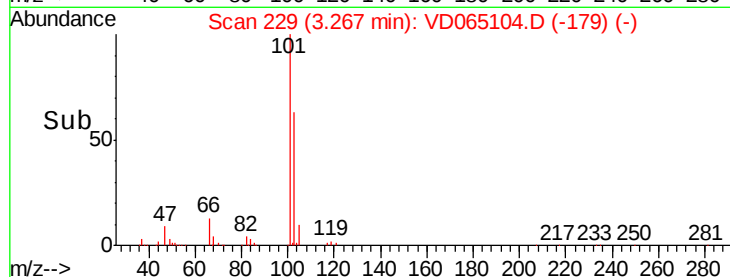
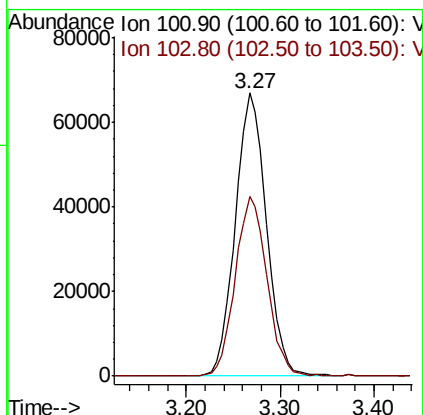
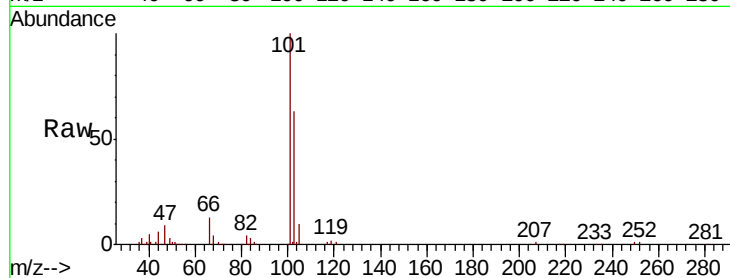


#7

Trichlorofluoromethane
 Concen: 23.571 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Instrument :
 MSVOA_D
 ClientSampleId :

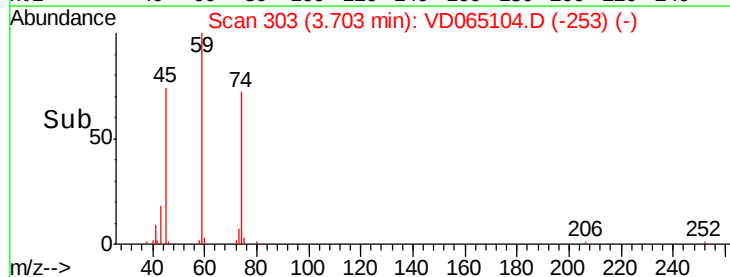
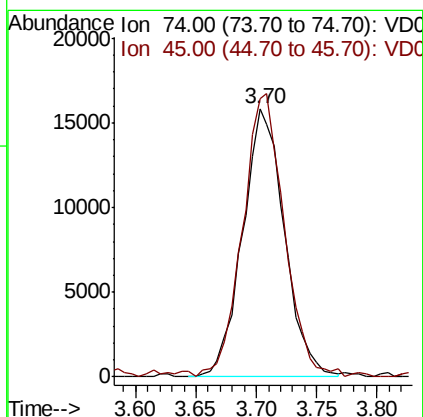
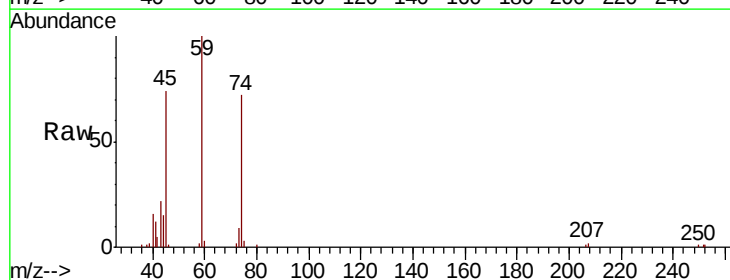
Tot Ion:101 Resp: 153469
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.0 76.6

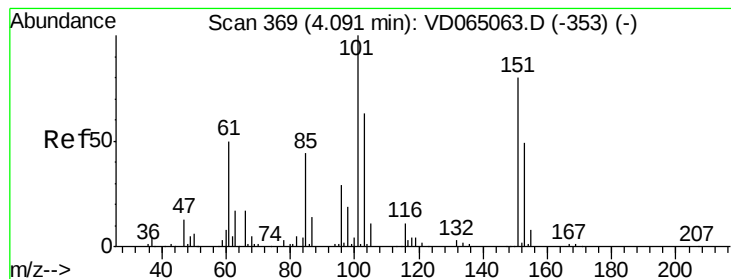


#8

Diethyl Ether
 Concen: 20.346 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Tgt Ion: 74 Resp: 38029
 Ion Ratio Lower Upper
 74 100
 45 105.5 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.509 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

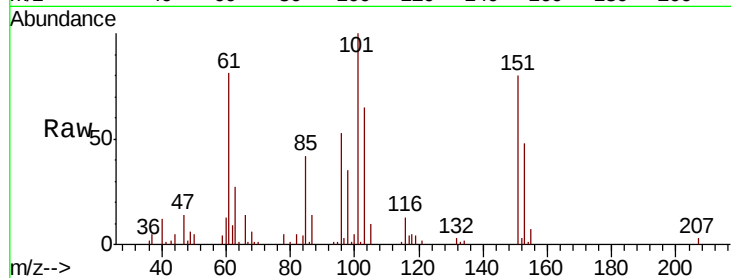
Tot Ion:101 Resp: 85610

Ion Ratio Lower Upper

101 100

85 44.7 34.0 51.0

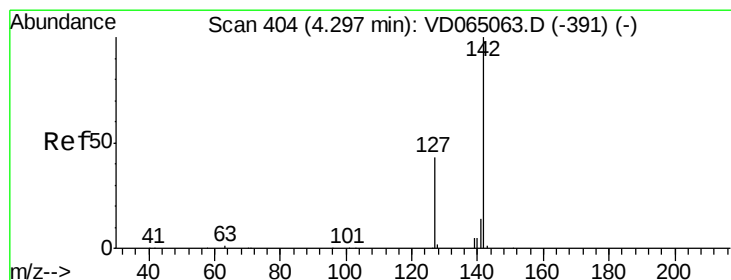
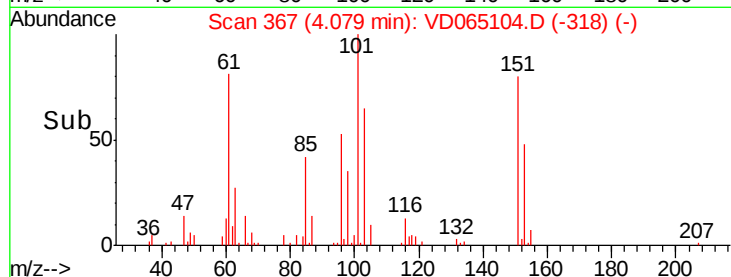
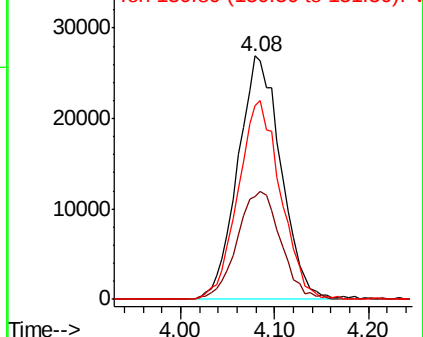
151 80.4 64.0 96.0



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: 18.303 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

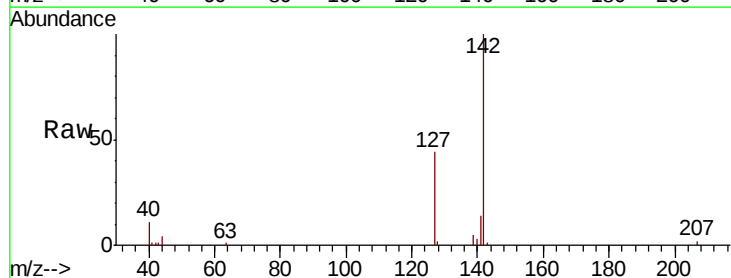
Tgt Ion:142 Resp: 83152

Ion Ratio Lower Upper

142 100

127 43.1 34.0 51.0

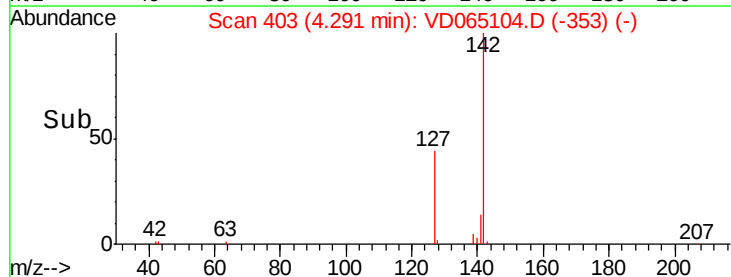
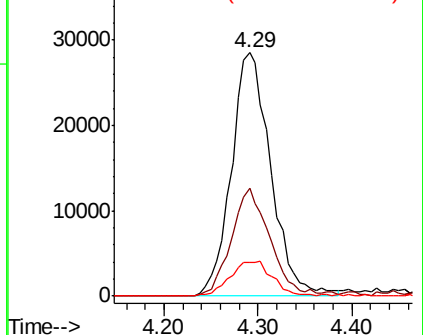
141 15.3 11.6 17.4

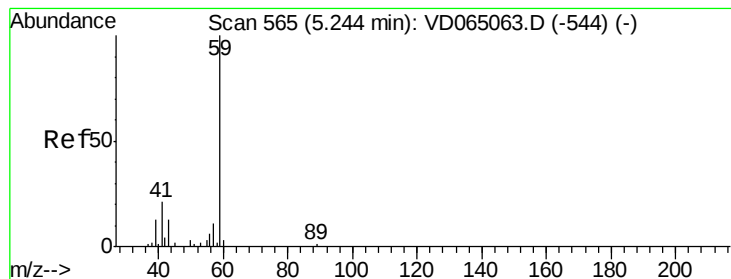


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



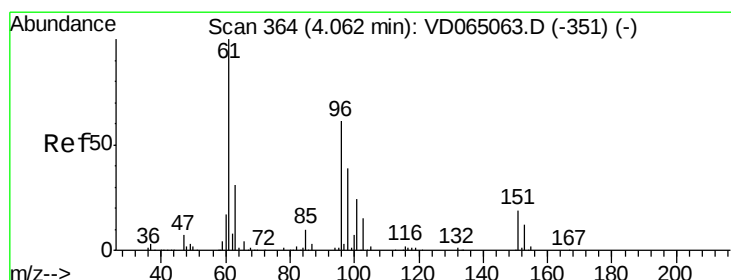
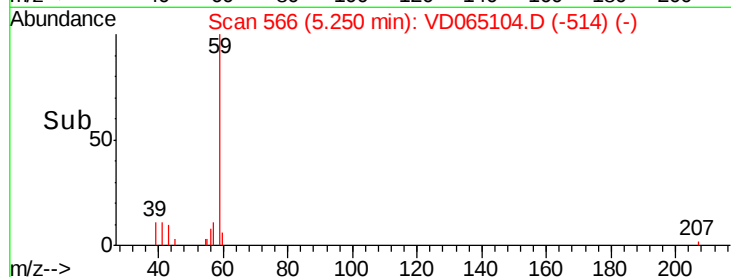
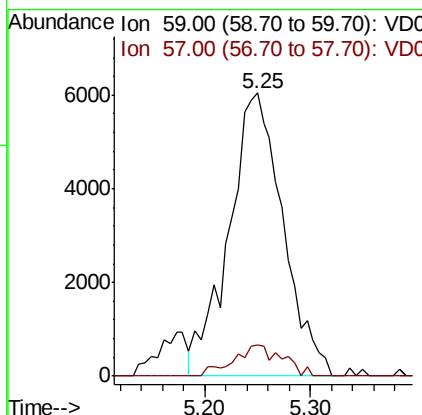
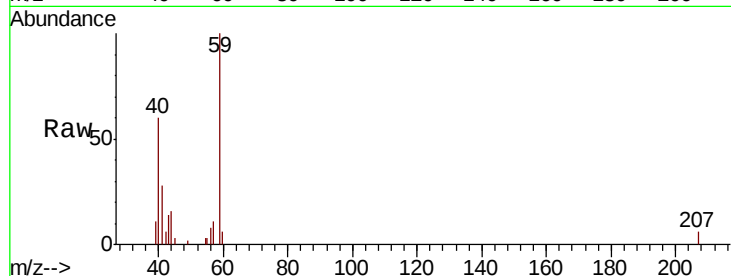


#11

Tert butyl alcohol
Concen: 95.601 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :

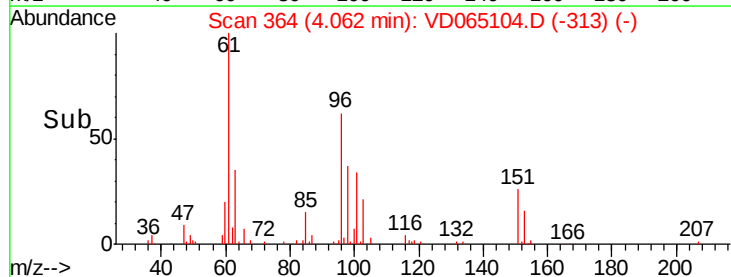
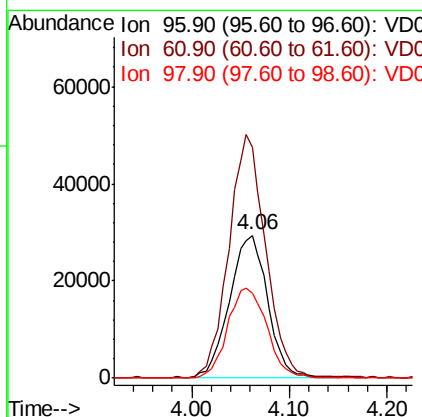
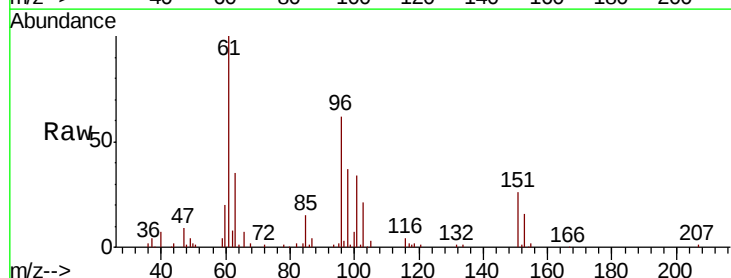
Tot Ion: 59 Resp: 21439
Ion Ratio Lower Upper
59 100
57 9.9 8.8 13.2



#12

1,1-Dichloroethene
Concen: 21.039 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion: 96 Resp: 80202
Ion Ratio Lower Upper
96 100
61 160.9 131.4 197.2
98 58.9 51.1 76.7





#13

Acrolein

Concen: 99.178 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

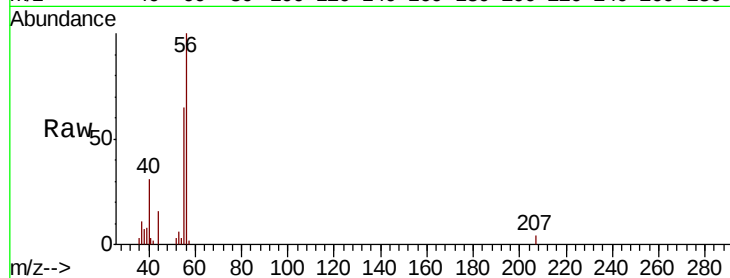
ClientSampleId :

Tot Ion: 56 Resp: 27356

Ion Ratio Lower Upper

56 100

55 70.0 58.2 87.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

12000

10000

8000

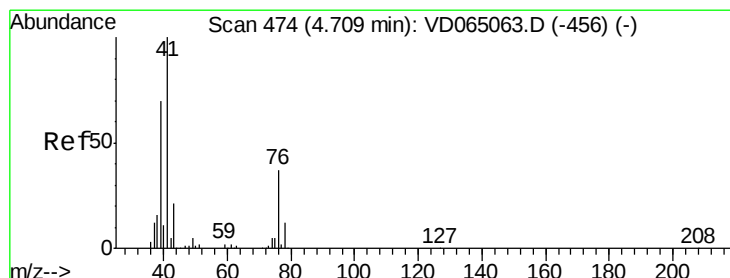
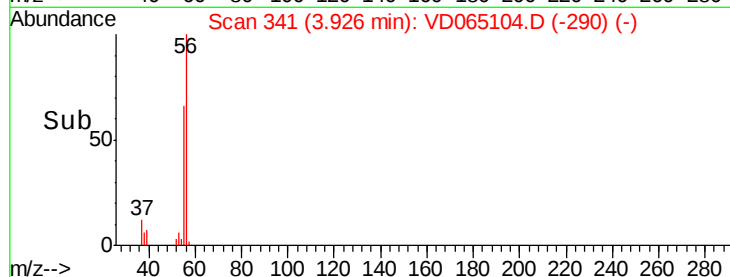
6000

4000

2000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 21.077 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

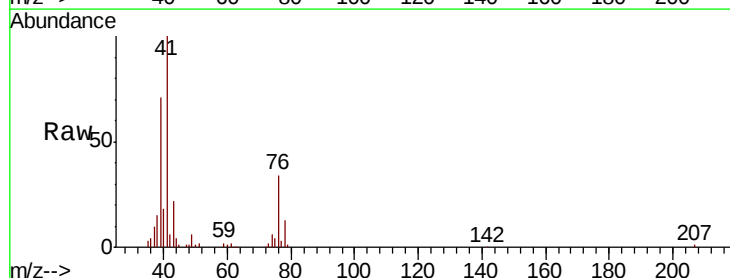
Tgt Ion: 41 Resp: 133533

Ion Ratio Lower Upper

41 100

39 70.6 57.1 85.7

76 34.8 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

60000

50000

40000

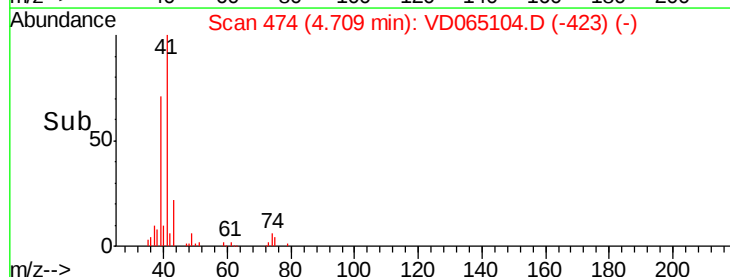
30000

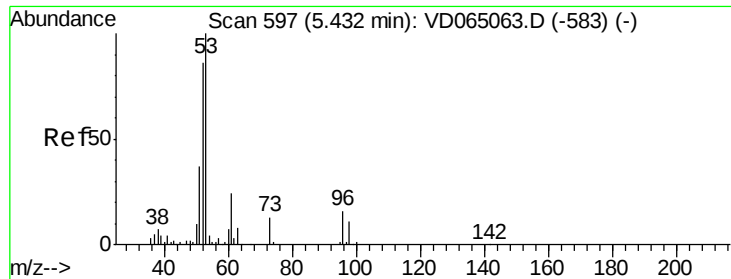
20000

10000

0

Time--> 4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 105.783 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

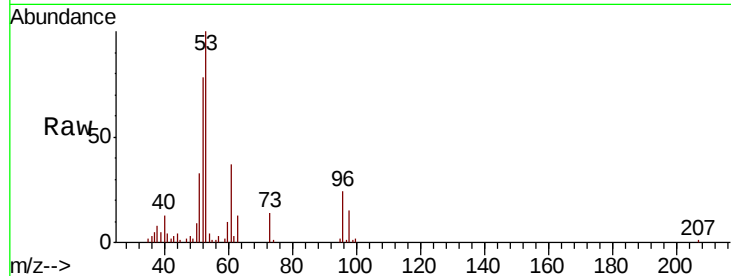
Tot Ion: 53 Resp: 86442

Ion Ratio Lower Upper

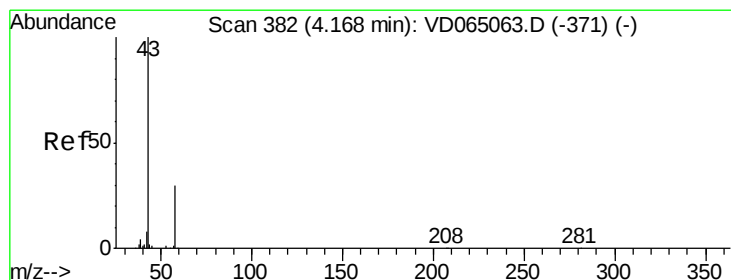
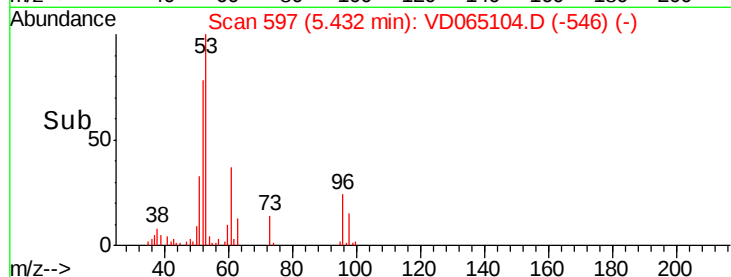
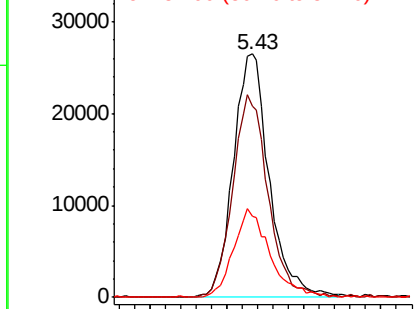
53 100

52 82.0 66.2 99.2

51 36.9 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: 93.489 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065104.D

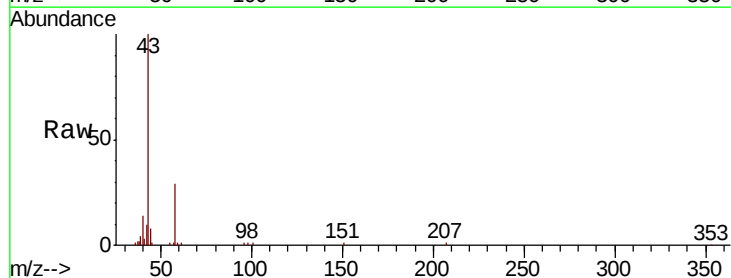
Acq: 07 Feb 2020 12:29

Tgt Ion: 43 Resp: 85790

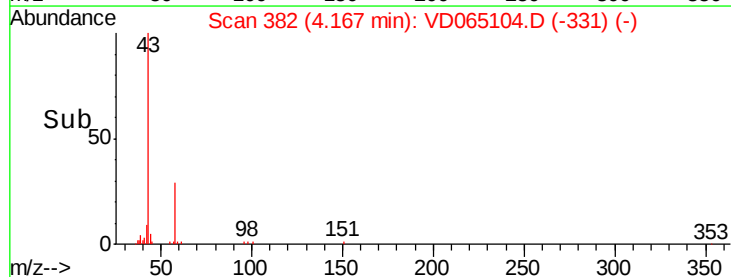
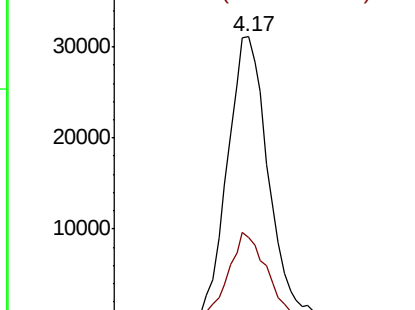
Ion Ratio Lower Upper

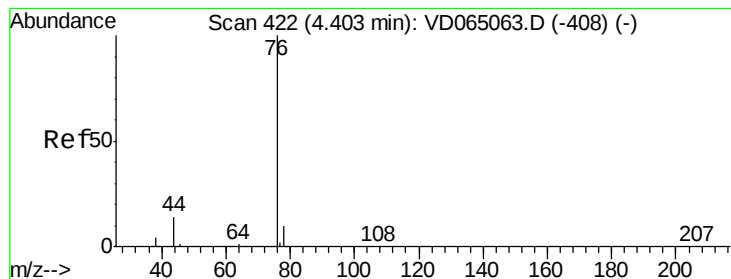
43 100

58 29.3 23.5 35.3



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





#17

Carbon Disulfide

Concen: 21.831 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

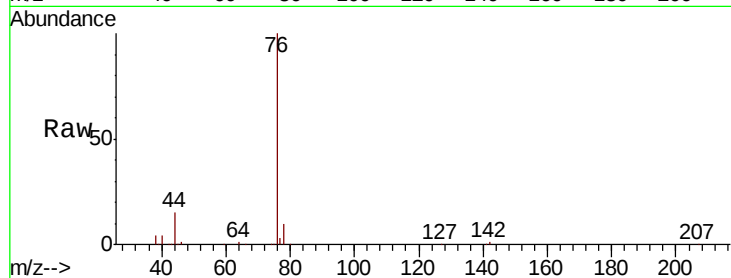
ClientSampleId :

Tot Ion: 76 Resp: 267204

Ion Ratio Lower Upper

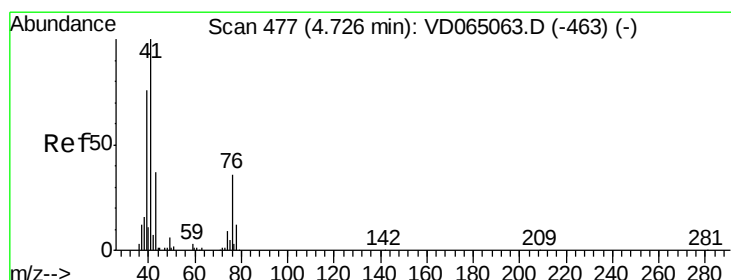
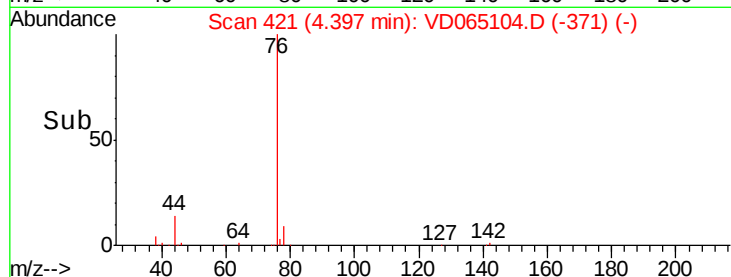
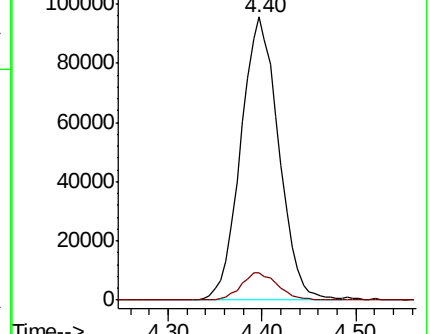
76 100

78 9.6 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: 21.359 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD065104.D

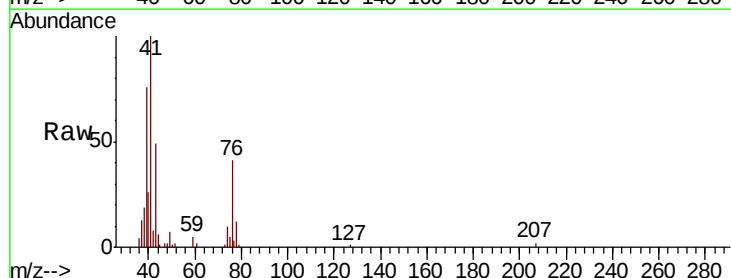
Acq: 07 Feb 2020 12:29

Tgt Ion: 43 Resp: 40951

Ion Ratio Lower Upper

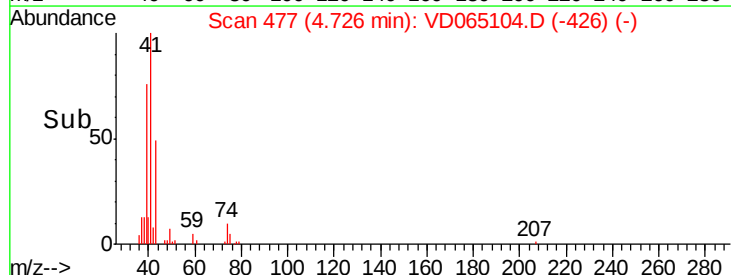
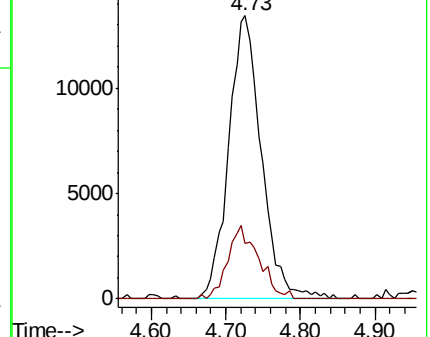
43 100

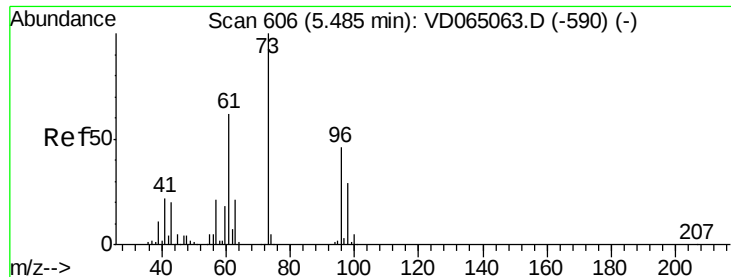
74 24.6 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

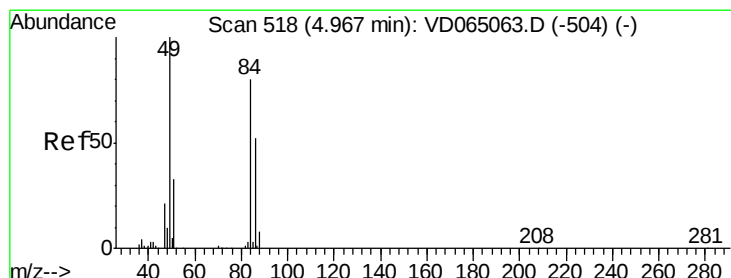
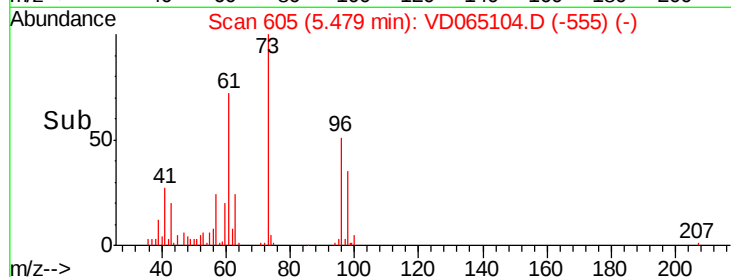
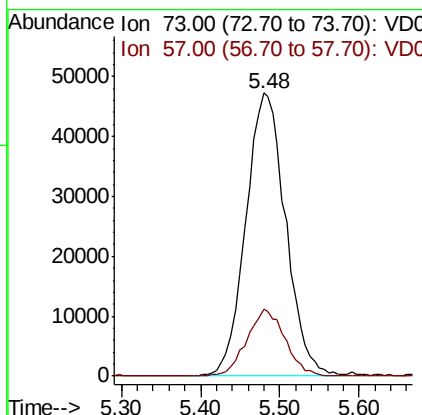
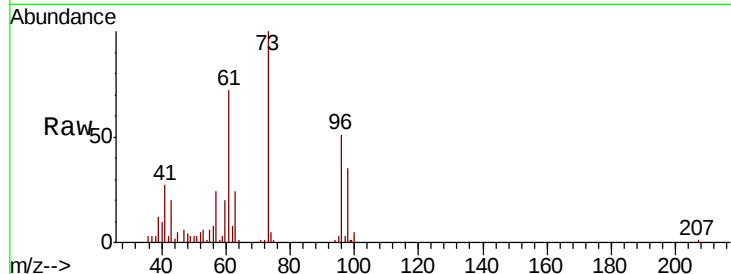




#19
Methvl tert-butvl Ether
Concen: 19.605 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

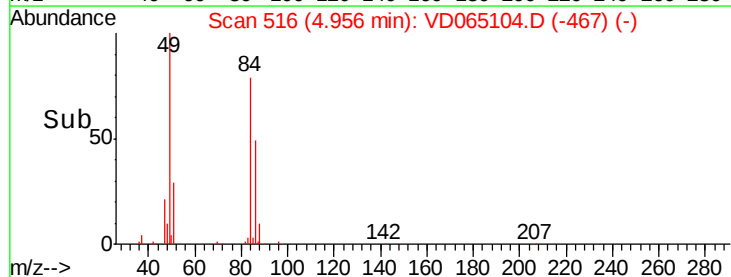
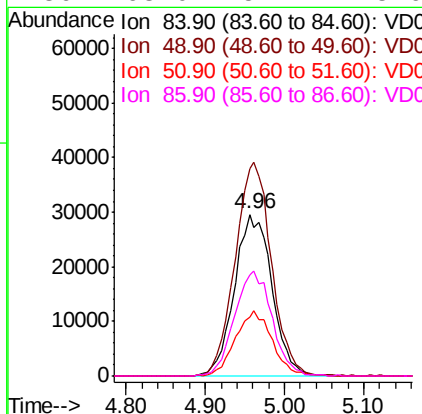
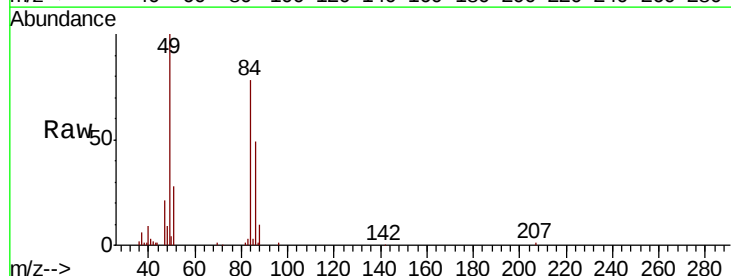
Instrument :
MSVOA_D
ClientSampled :

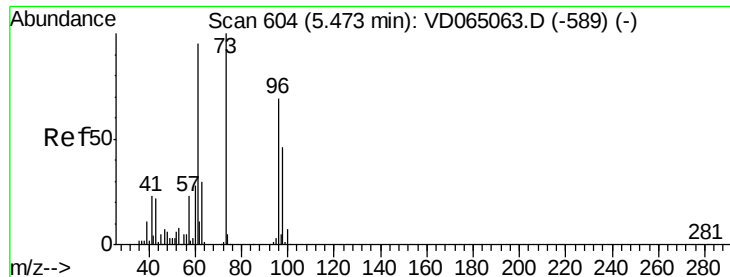
Tot Ion: 73 Resp: 165264
Ion Ratio Lower Upper
73 100
57 23.5 16.8 25.2



#20
Methylene Chloride
Concen: 21.715 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion: 84 Resp: 96748
Ion Ratio Lower Upper
84 100
49 128.4 100.4 150.6
51 36.3 32.7 49.1
86 63.0 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 21.098 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

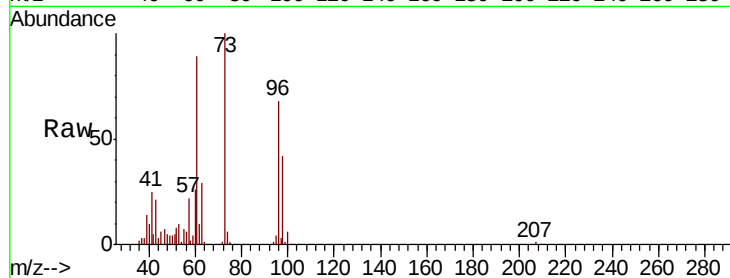
Tot Ion: 96 Resp: 90993

Ion Ratio Lower Upper

96 100

61 131.3 109.5 164.3

98 62.7 53.7 80.5

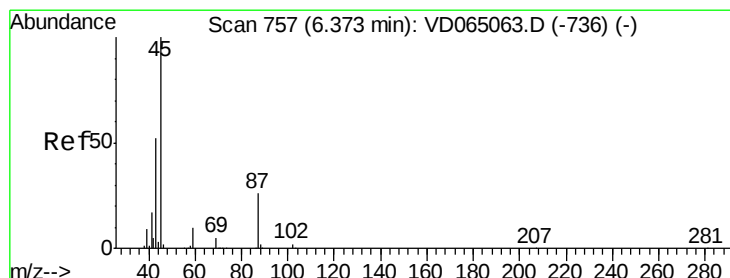
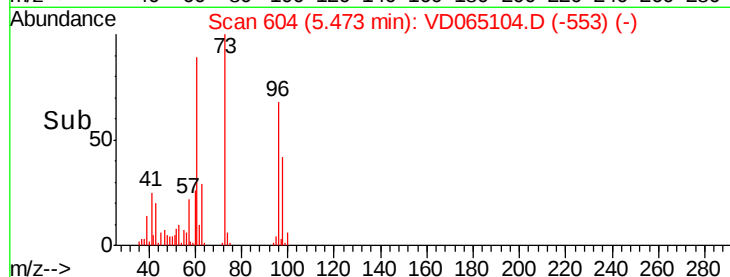
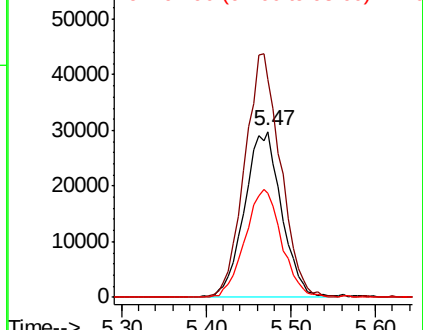


Abundance

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: 21.547 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Tgt Ion: 45 Resp: 257497

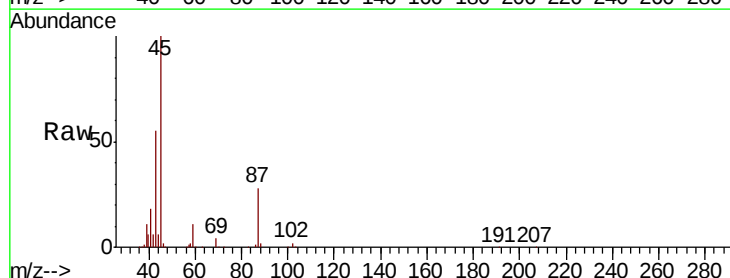
Ion Ratio Lower Upper

45 100

43 53.6 41.3 61.9

87 27.3 21.0 31.6

59 11.1 8.2 12.4



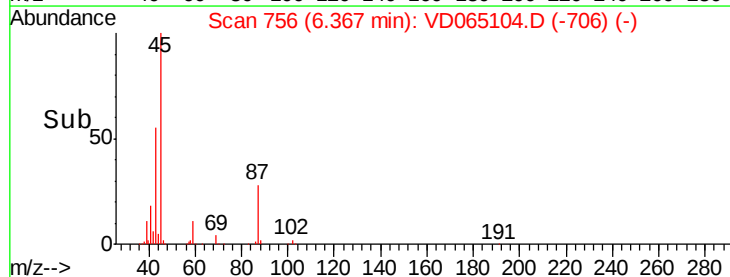
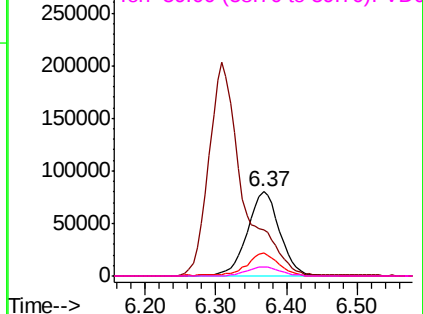
Abundance

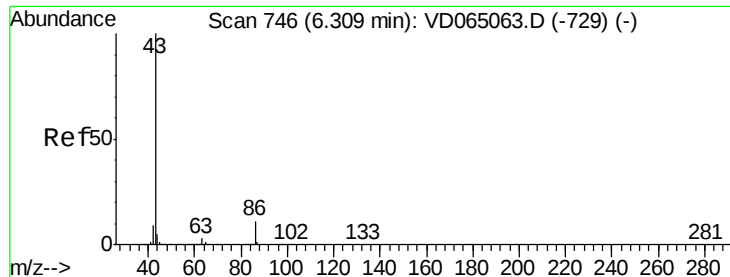
Ion 45.00 (44.70 to 45.70): VDC

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: 102.003 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

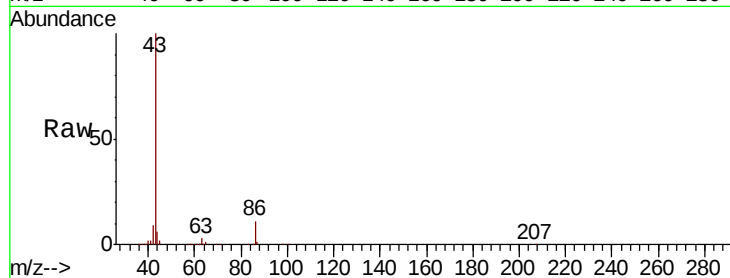
ClientSampleId :

Tot Ion: 43 Resp: 679425

Ion Ratio Lower Upper

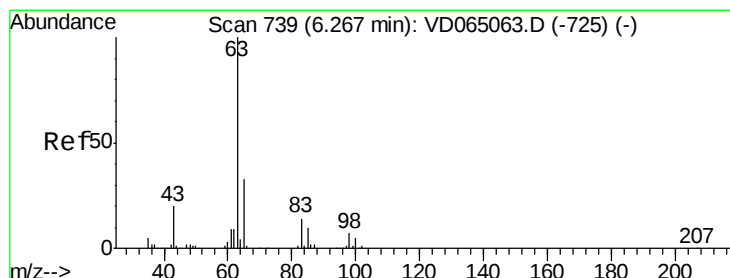
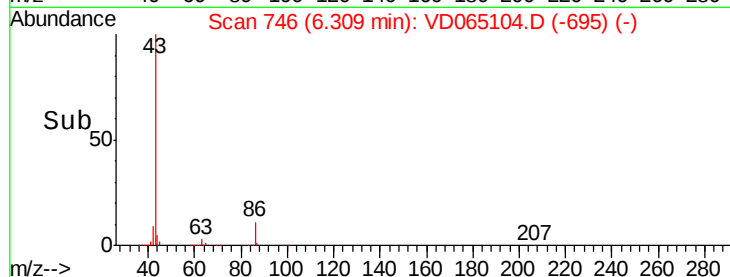
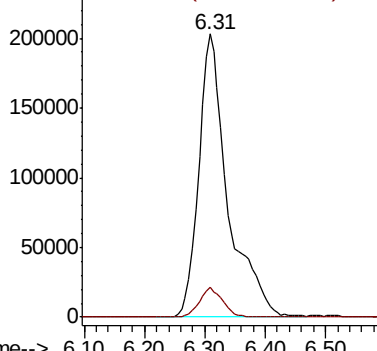
43 100

86 10.6 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.762 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

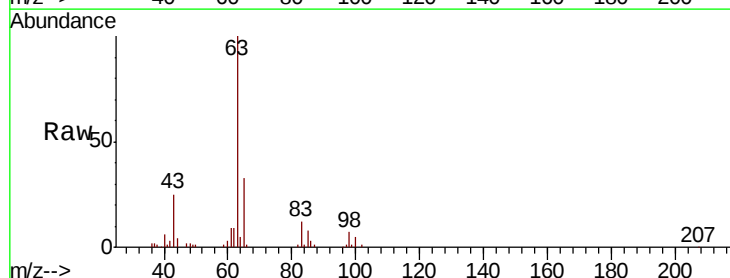
Tgt Ion: 63 Resp: 157411

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

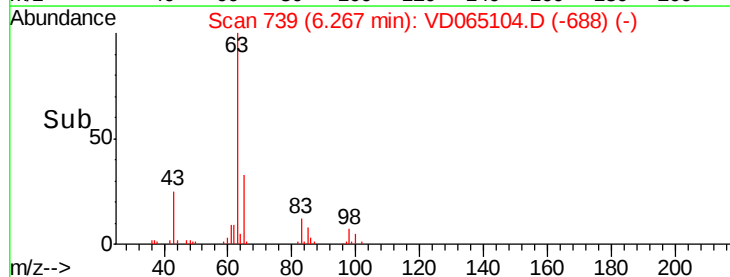
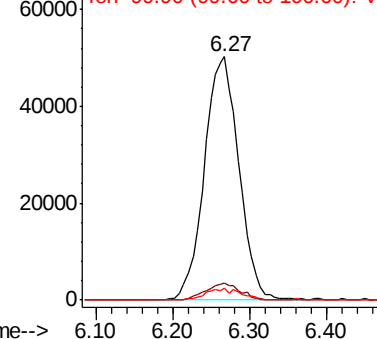
100 4.6 2.5 7.6

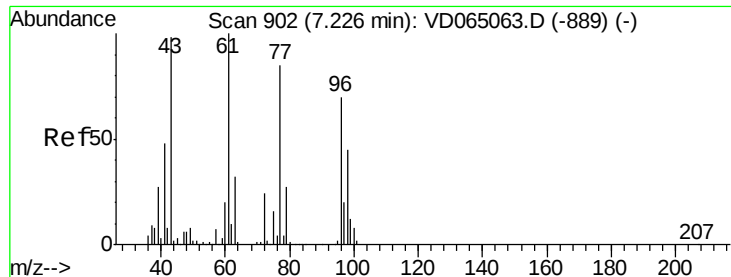


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 100.170 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

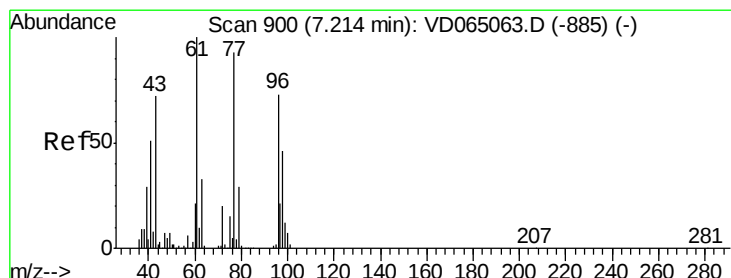
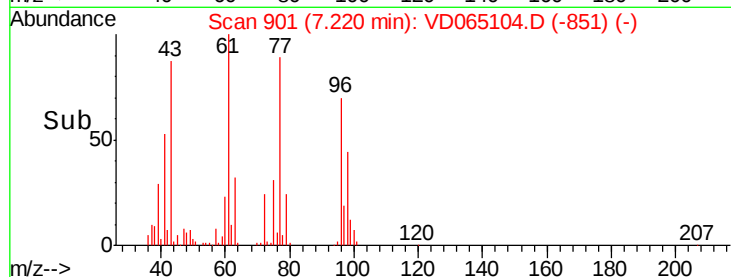
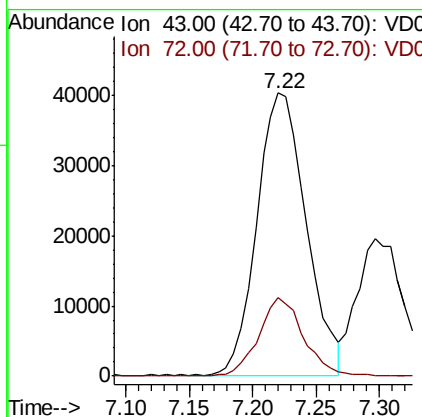
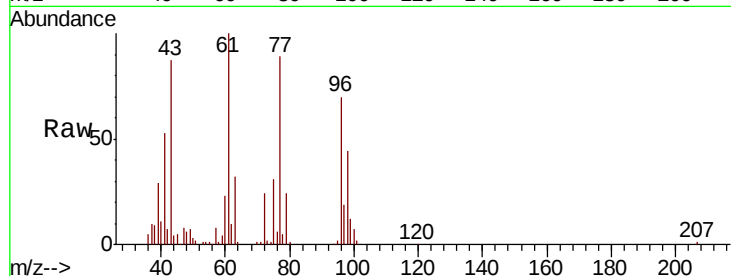
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 109648

Ion Ratio Lower Upper

43 100

72 27.9 19.9 29.9



#26

2,2-Dichloropropane

Concen: 22.164 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065104.D

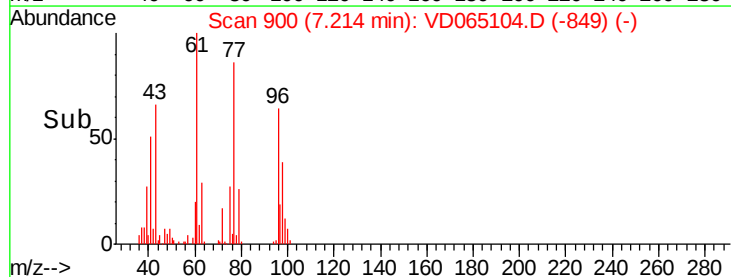
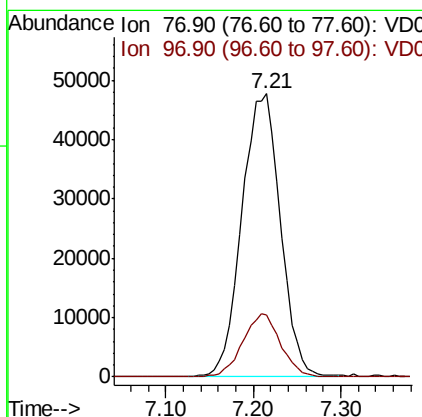
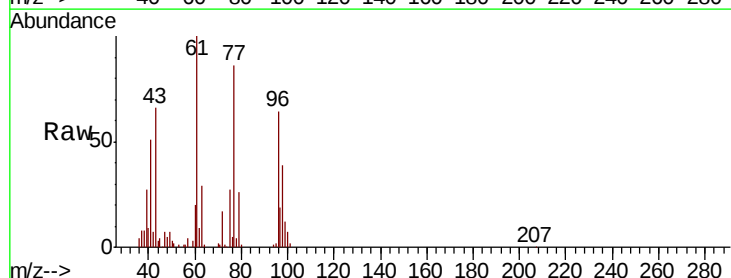
Acq: 07 Feb 2020 12:29

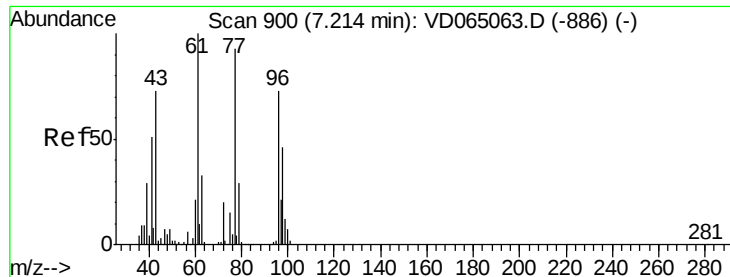
Tgt Ion: 77 Resp: 143700

Ion Ratio Lower Upper

77 100

97 21.7 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 20.764 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :

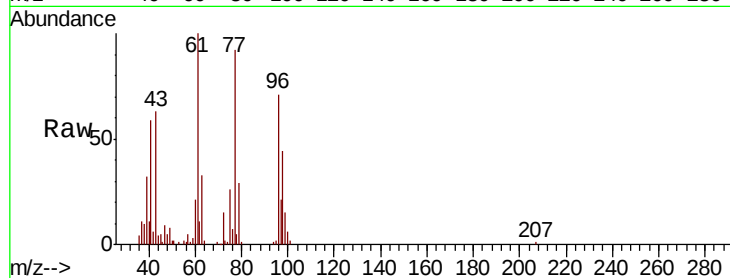
Tot Ion: 96 Resp: 95137

Ion Ratio Lower Upper

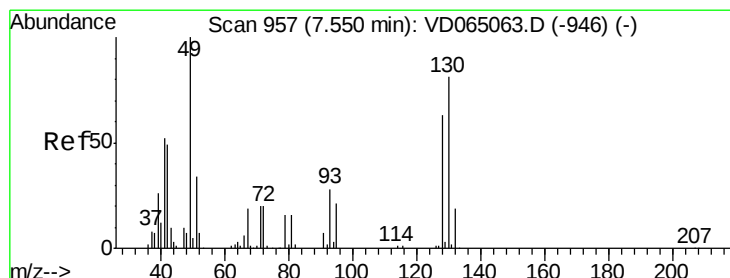
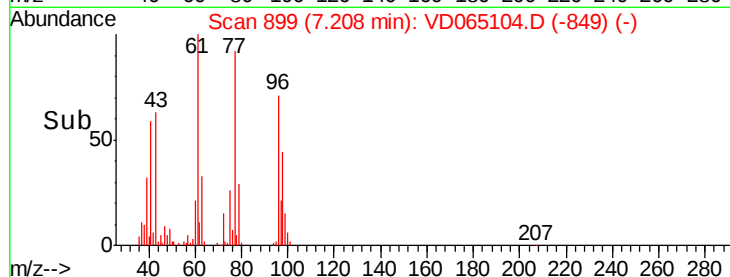
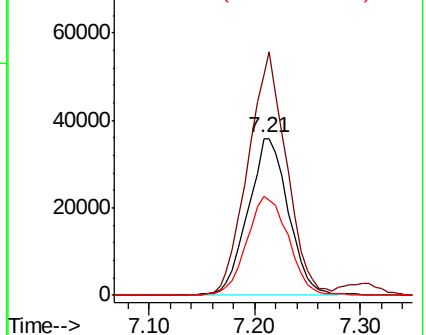
96 100

61 148.6 0.0 292.8

98 65.0 0.0 128.8



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



#28

Bromochloromethane

Concen: 20.596 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

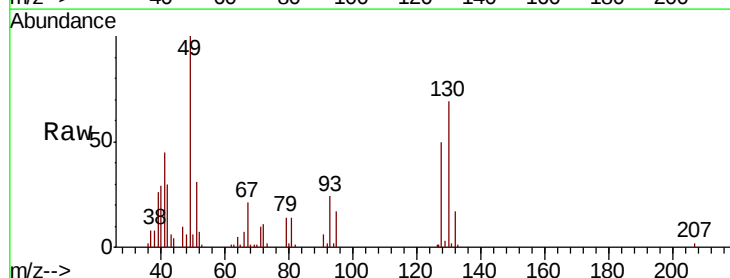
Tgt Ion: 49 Resp: 56472

Ion Ratio Lower Upper

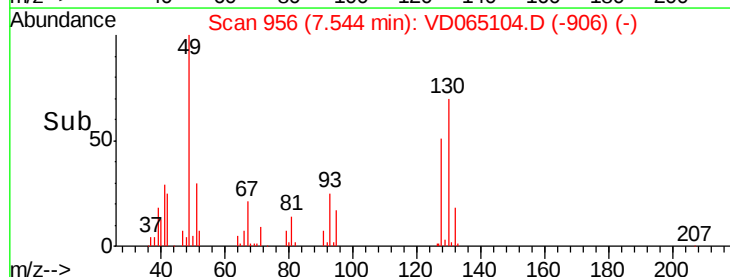
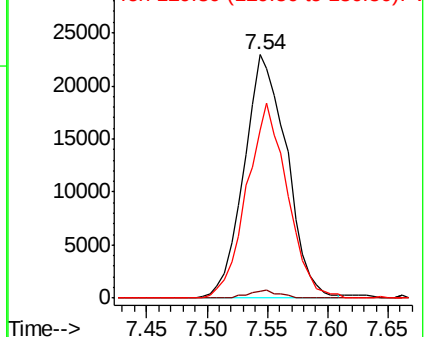
49 100

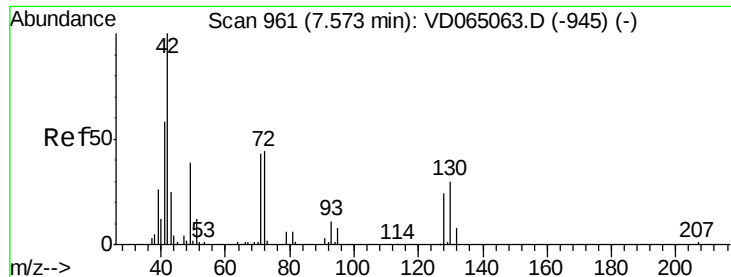
129 2.1 0.0 4.4

130 76.3 63.8 95.8



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

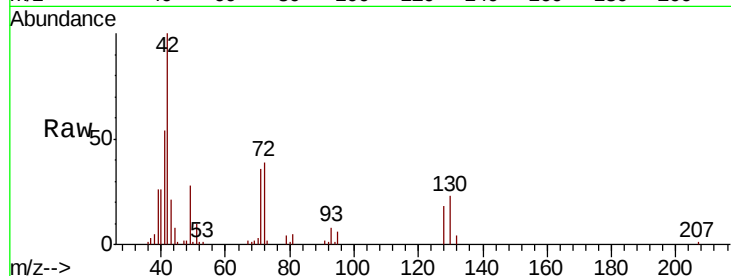




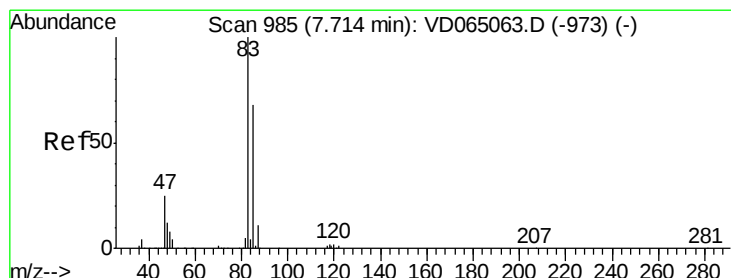
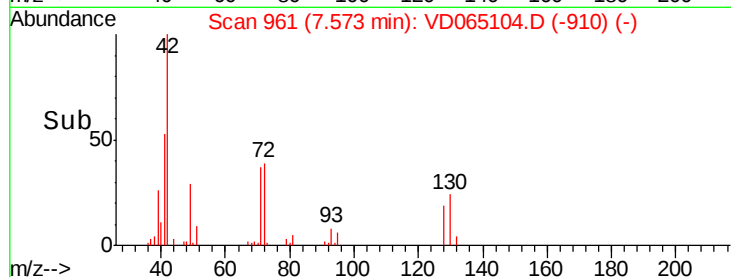
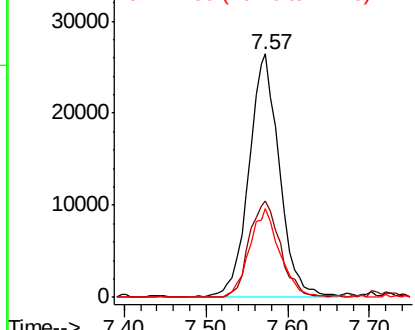
#29
Tetrahydrofuran
Concen: 103.946 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 68808
Ion Ratio Lower Upper
42 100
72 40.2 34.2 51.4
71 36.0 31.8 47.6

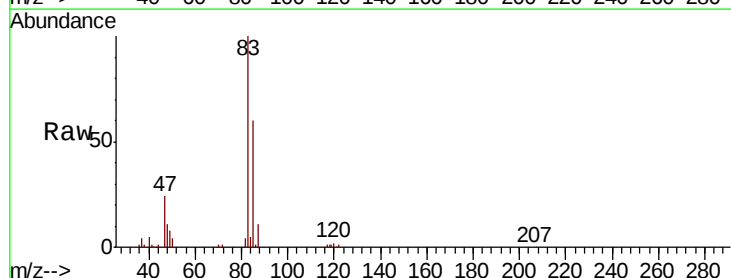


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

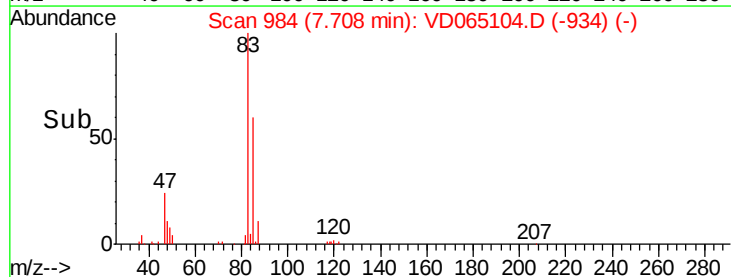
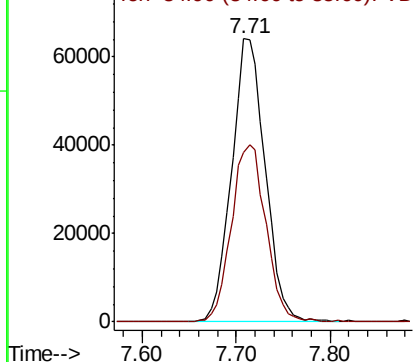


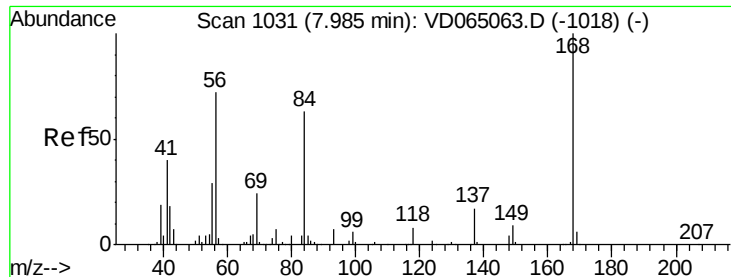
#30
Chloroform
Concen: 22.064 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion: 83 Resp: 158913
Ion Ratio Lower Upper
83 100
85 60.0 54.2 81.4



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

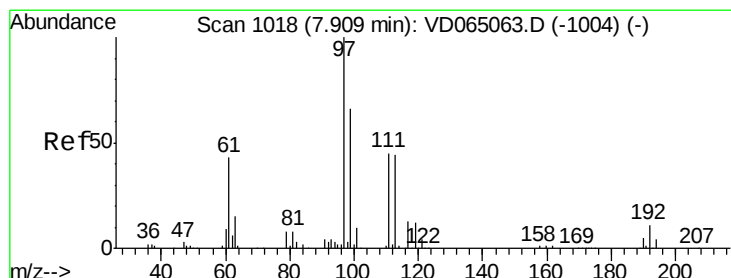
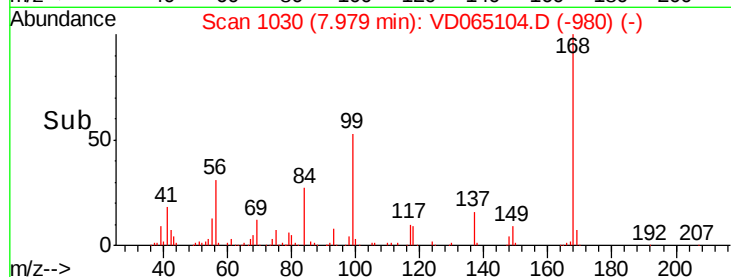
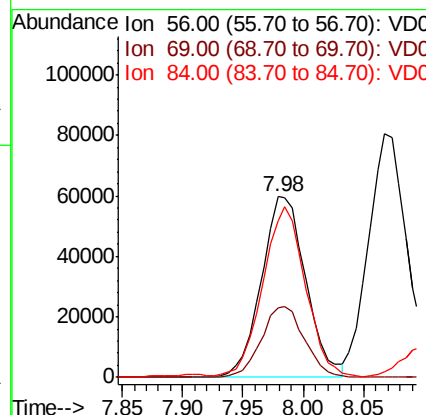
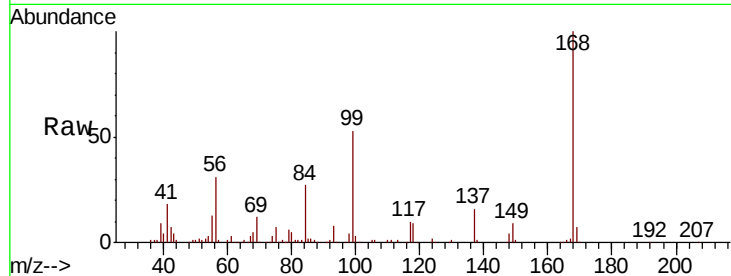




#31
Cyclohexane
Concen: 20.923 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

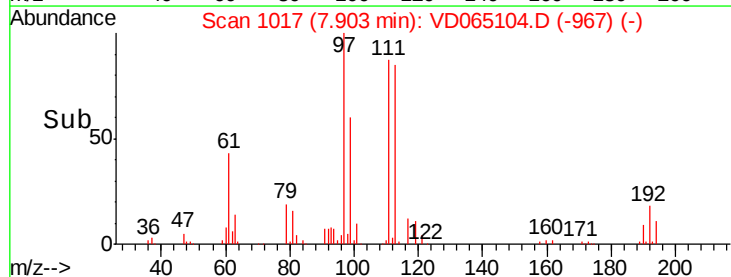
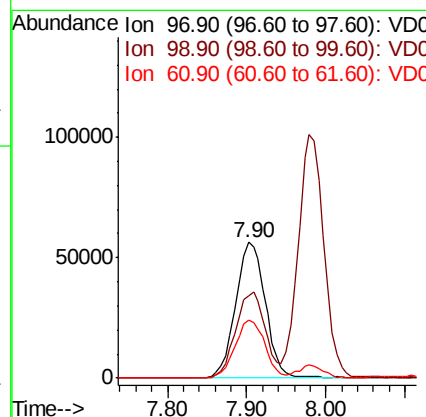
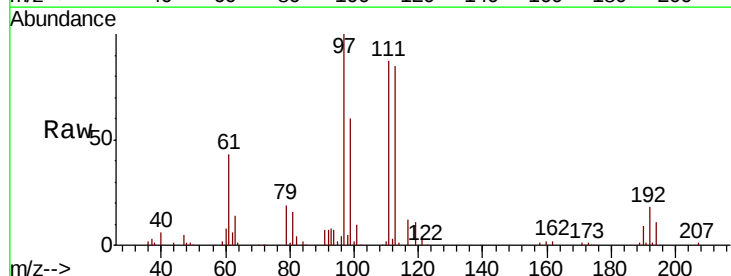
Instrument :
MSVOA_D
ClientSampleId :

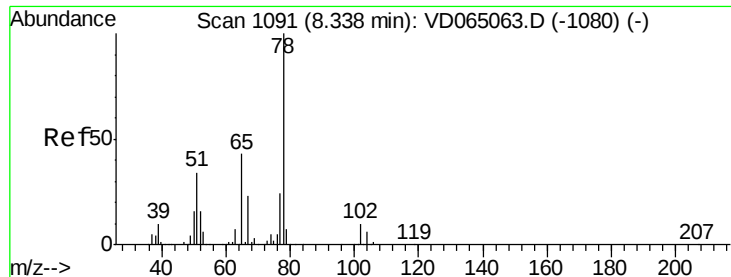
Tot Ion: 56 Resp: 152768
Ion Ratio Lower Upper
56 100
69 38.8 26.6 40.0
84 84.7 70.6 106.0



#32
1,1,1-Trichloroethane
Concen: 21.901 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion: 97 Resp: 146932
Ion Ratio Lower Upper
97 100
99 63.8 51.5 77.3
61 42.6 34.8 52.2

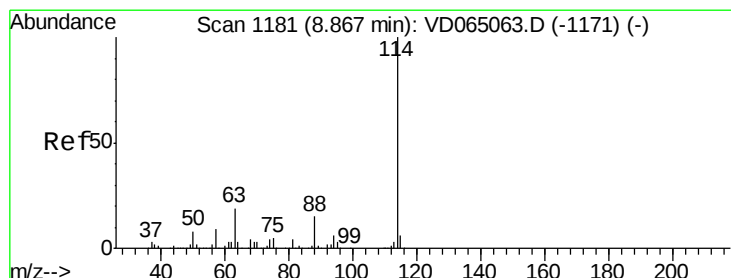
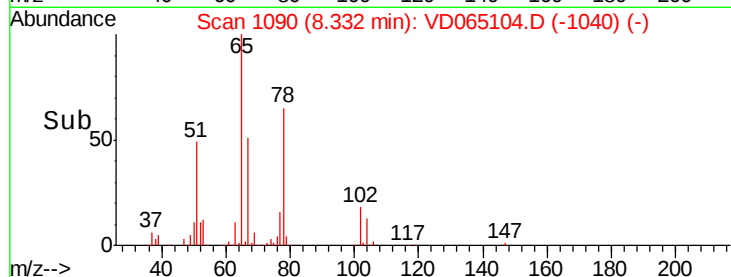
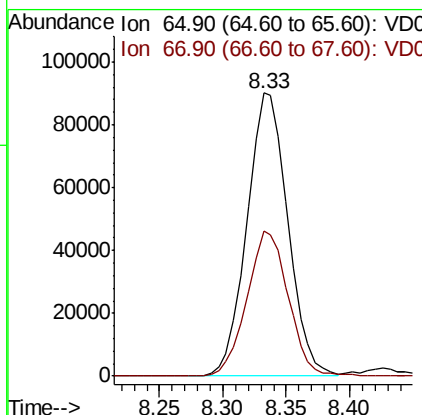
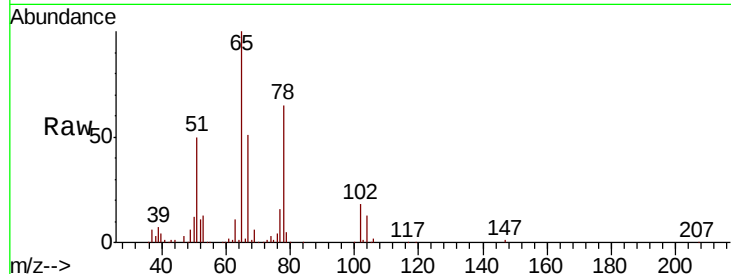




#33
 1,2-Dichloroethane-d4
 Concen: 55.101 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

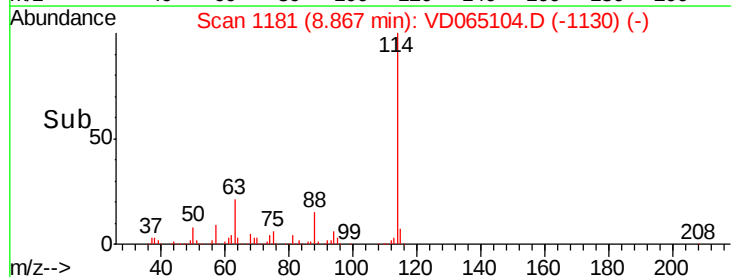
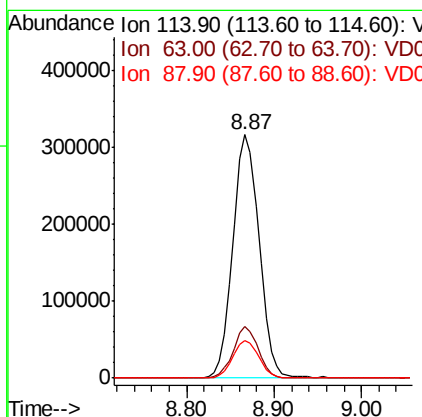
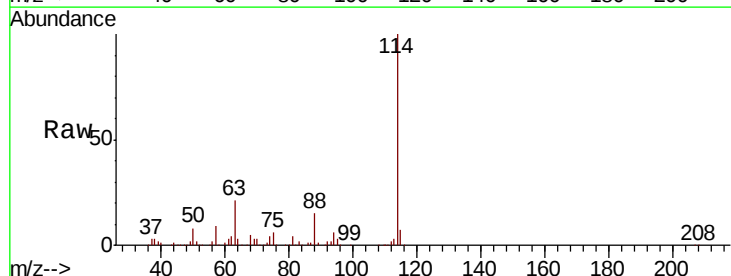
Instrument :
 MSVOA_D
 ClientSampled :

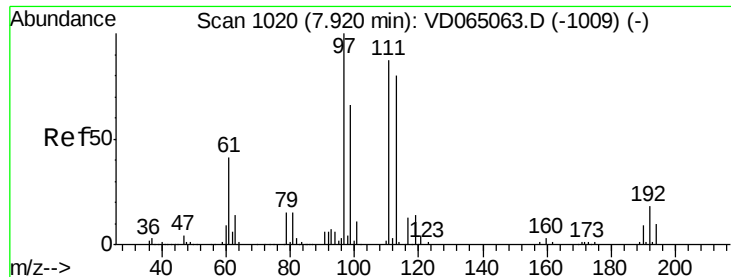
Tot Ion: 65 Resp: 202240
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Tgt Ion: 114 Resp: 646912
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 38.8
 88 15.5 0.0 29.6

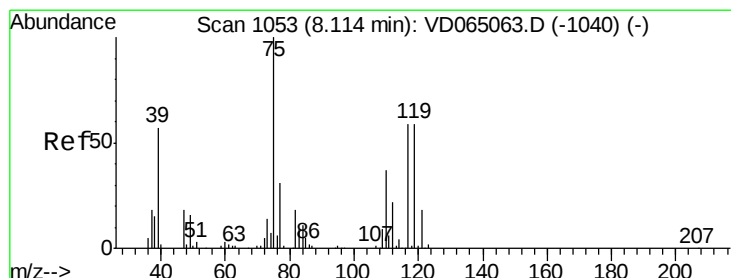
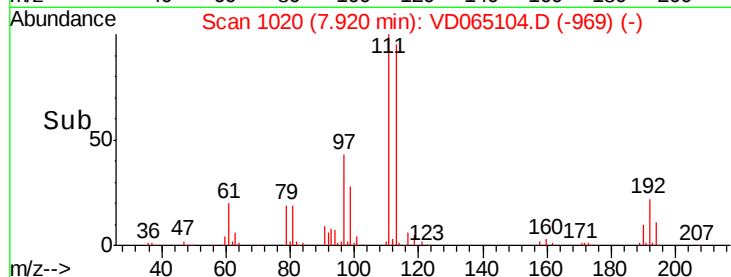
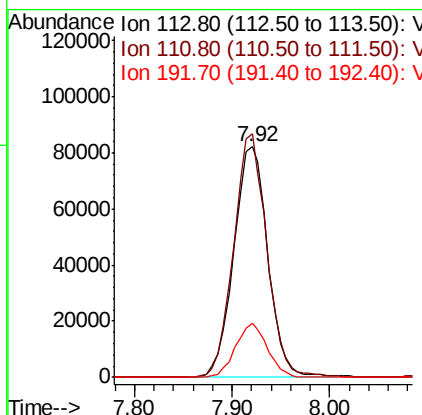
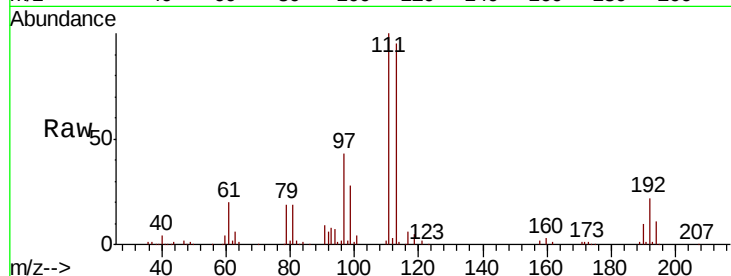




#35
 Dibromofluoromethane
 Concen: 55.137 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

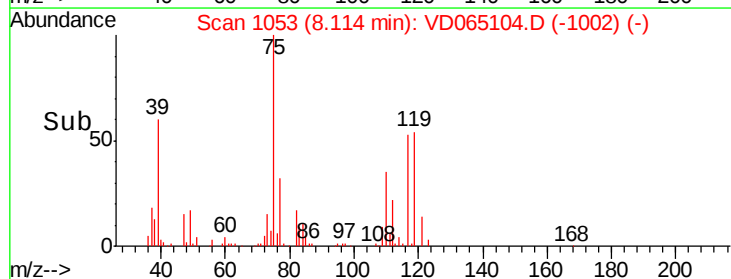
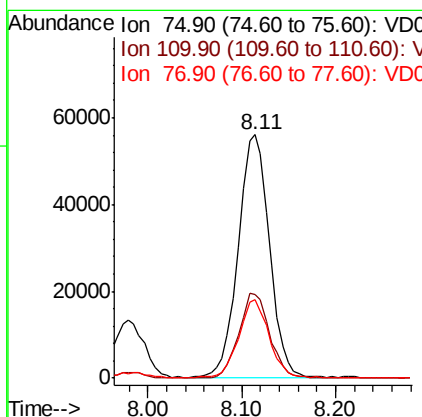
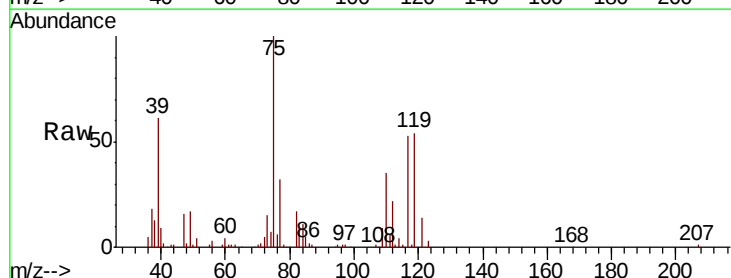
Instrument :
 MSVOA_D
 ClientSampleId :

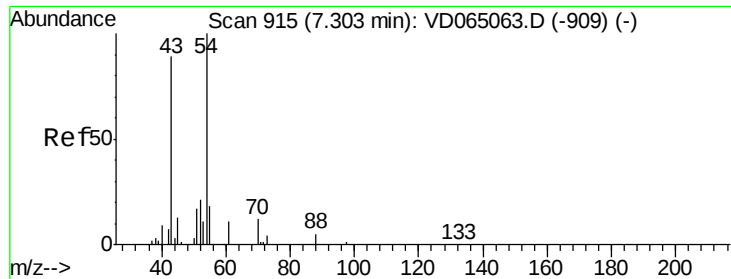
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.1	124.7
192	21.7	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 21.444 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.3	18.1	54.3
77	31.6	24.7	37.1

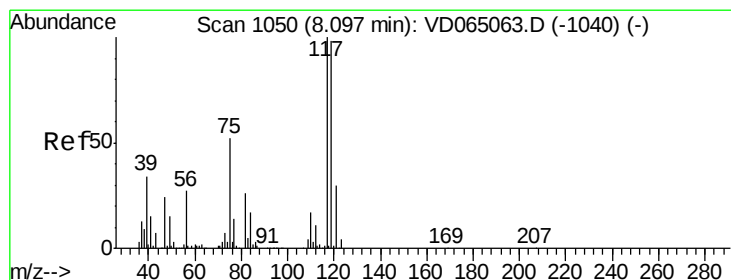
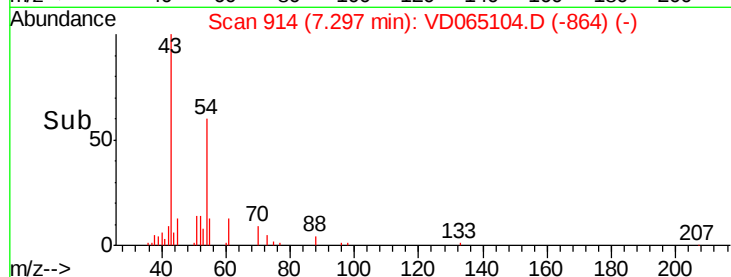
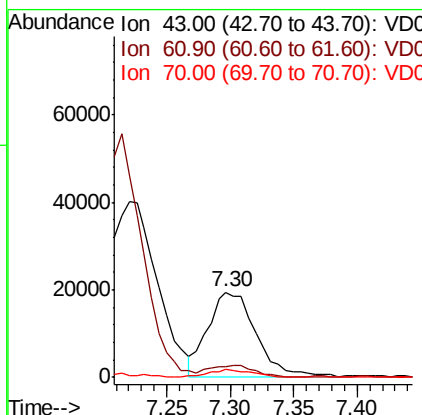
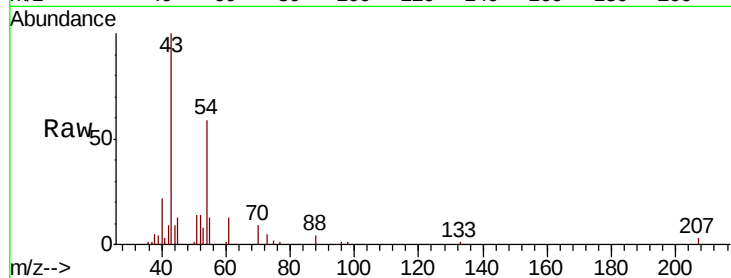




#37
Ethyl Acetate
Concen: 20.694 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

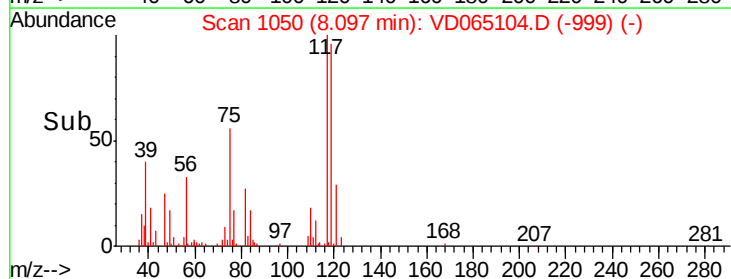
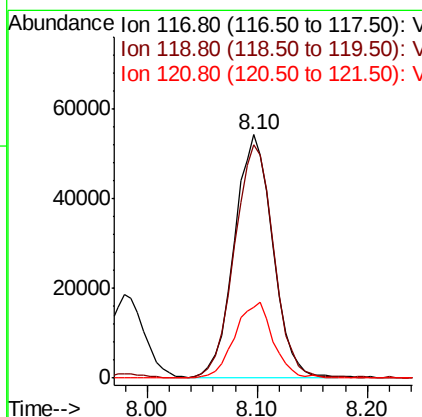
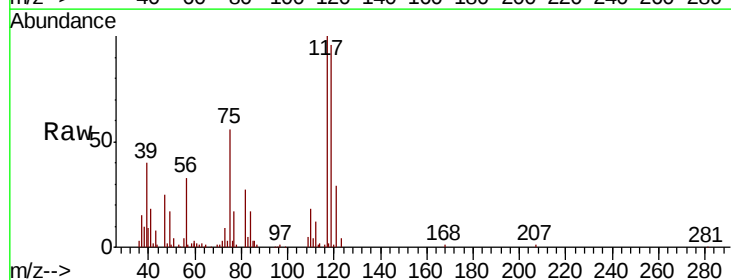
Instrument :
MSVOA_D
ClientSampleId :

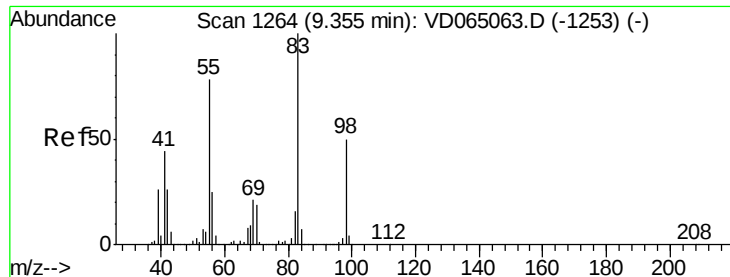
Tot Ion: 43 Resp: 50855
Ion Ratio Lower Upper
43 100
61 12.2 11.0 16.4
70 8.3 8.2 12.2



#38
Carbon Tetrachloride
Concen: 21.687 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion: 117 Resp: 133235
Ion Ratio Lower Upper
117 100
119 95.8 78.5 117.7
121 29.2 23.8 35.6

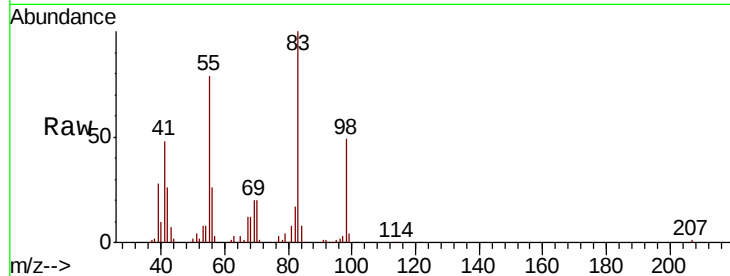




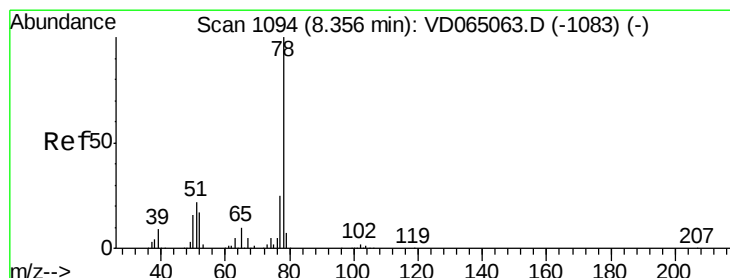
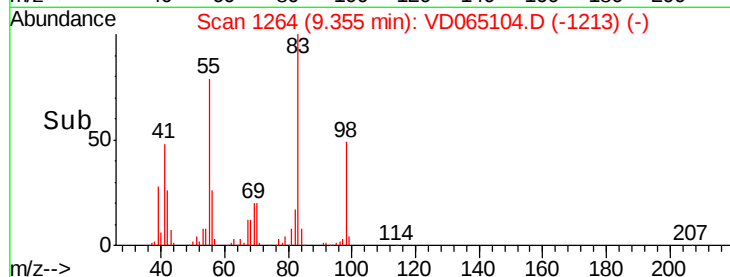
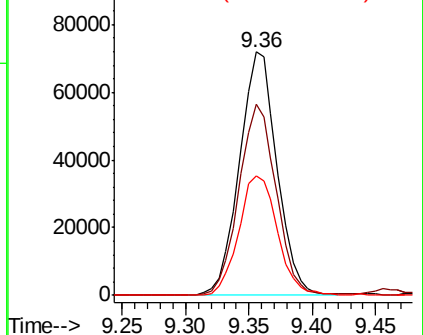
#39
Methvlcvclohexane
Concen: 19.960 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 148203
Ion Ratio Lower Upper
83 100
55 78.8 62.0 93.0
98 49.0 39.9 59.9

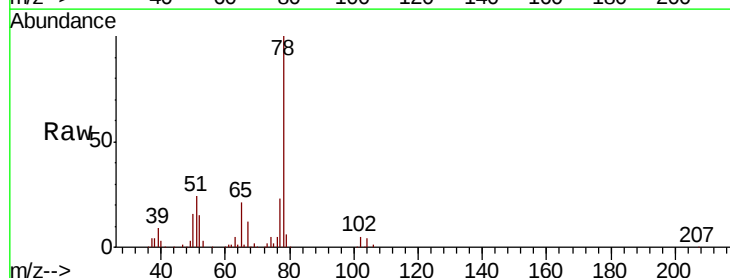


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

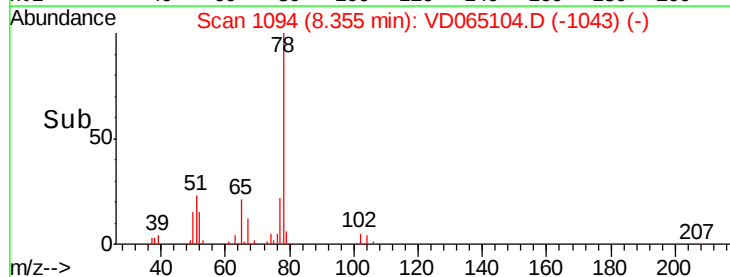
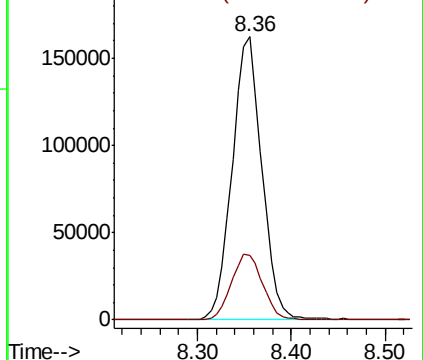


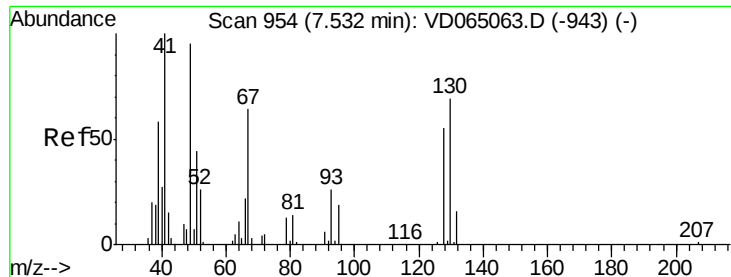
#40
Benzene
Concen: 21.473 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion: 78 Resp: 356696
Ion Ratio Lower Upper
78 100
77 22.6 19.6 29.4



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

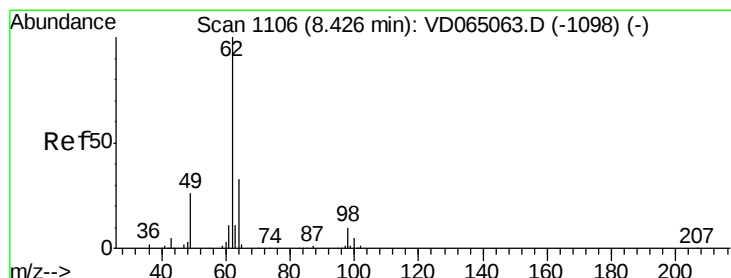
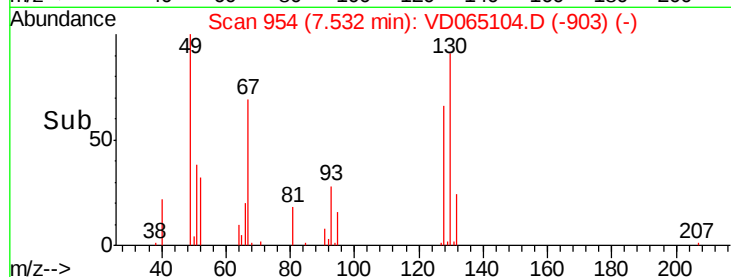
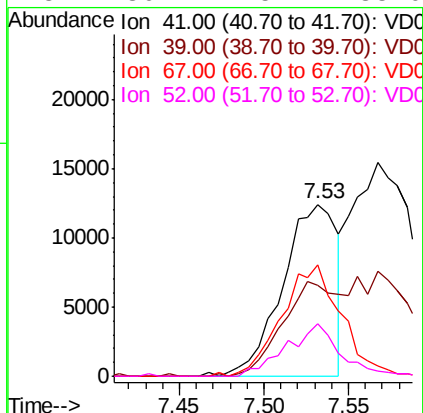
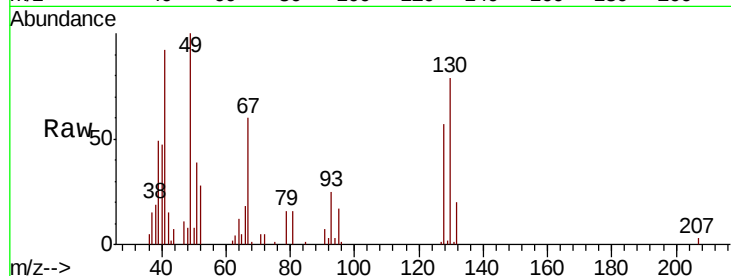




#41
Methacrylonitrile
Concen: 20.571 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

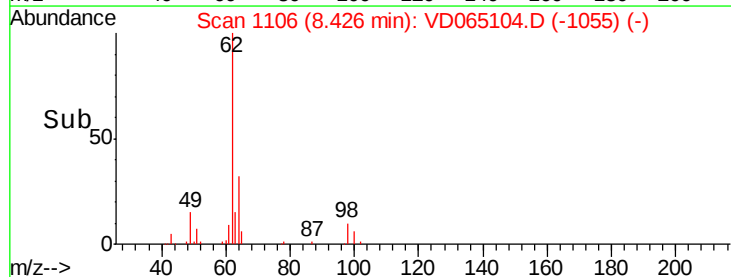
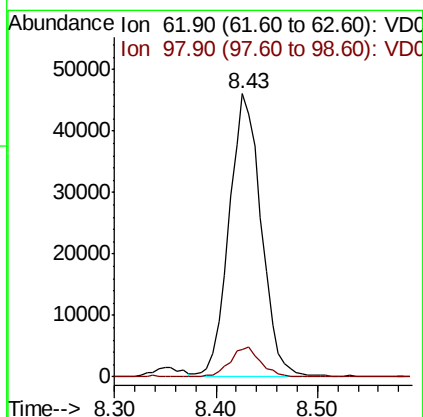
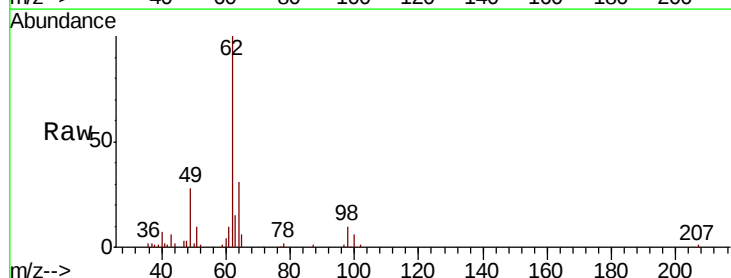
Instrument :
MSVOA_D
ClientSampleId :

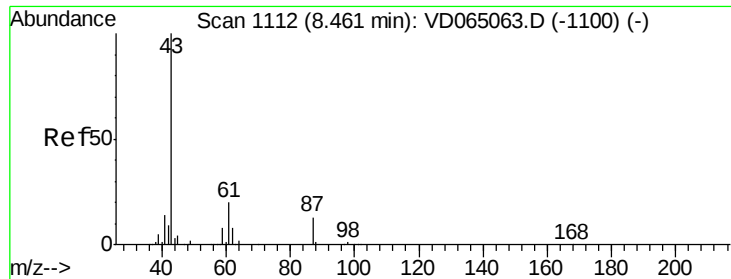
Tot Ion:	41	Resp:	27850
Ion	Ratio	Lower	Upper
41	100		
39	61.9	55.4	83.0
67	70.6	59.0	88.6
52	30.1	25.4	38.0



#42
1,2-Dichloroethane
Concen: 21.416 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion:	62	Resp:	101364
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.6

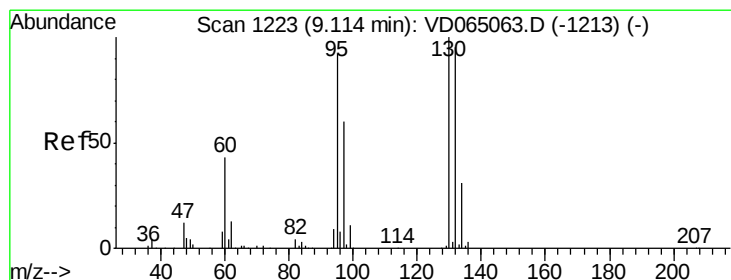
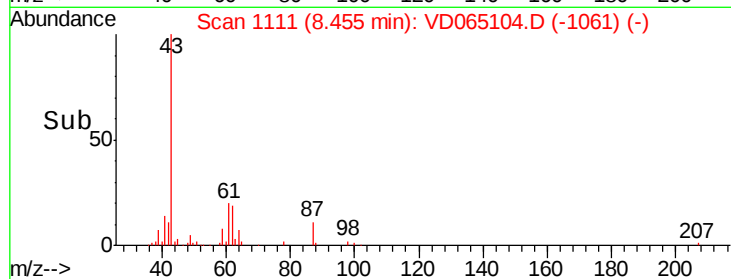
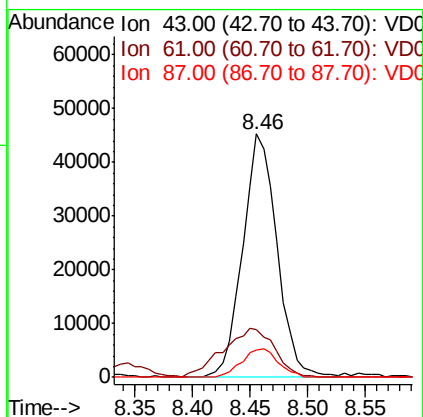
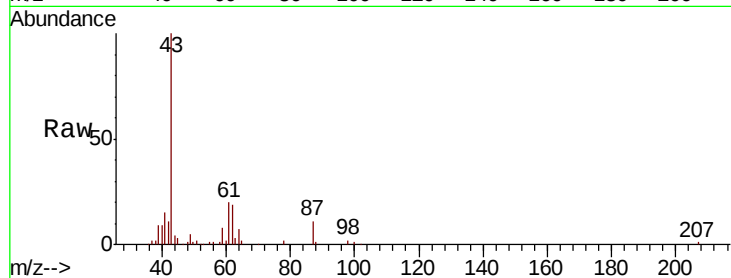




#43
Isopropyl Acetate
Concen: 19.924 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

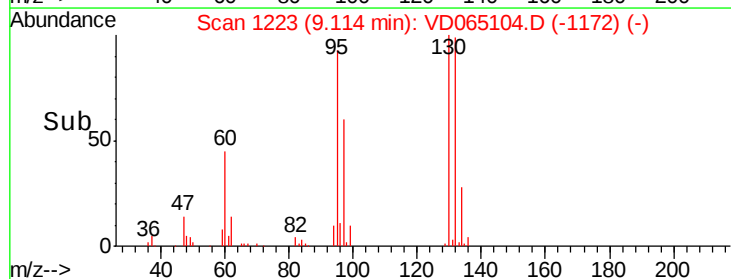
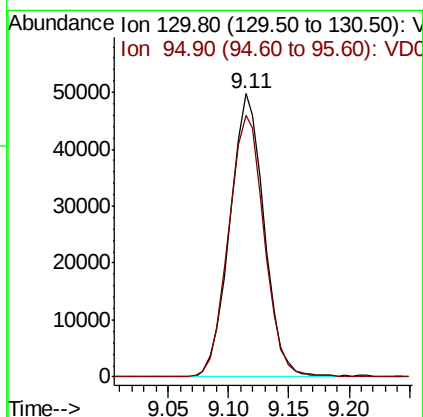
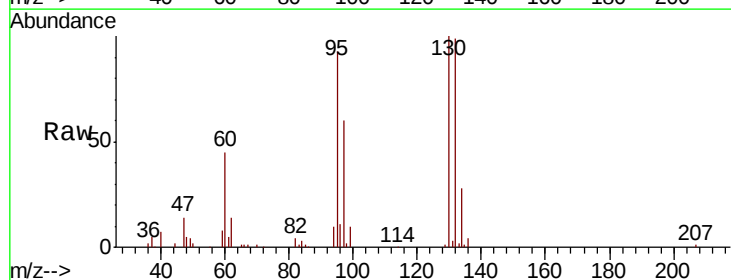
Instrument :
MSVOA_D
ClientSampleId :

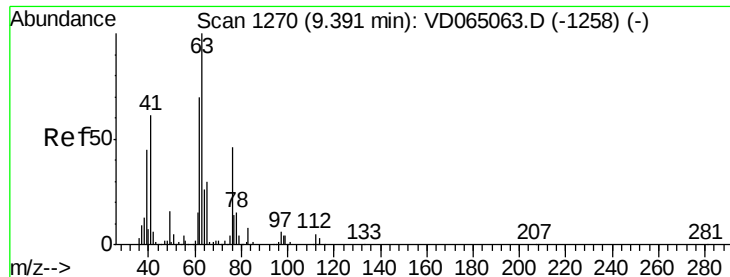
Tot Ion	43	Resp	93660
Ion Ratio	Lower	Upper	
43	100		
61	30.4	24.0	36.0
87	12.5	10.2	15.4



#44
Trichloroethene
Concen: 20.583 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion	130	Resp	98140
Ion Ratio	Lower	Upper	
130	100		
95	92.5	0.0	185.0

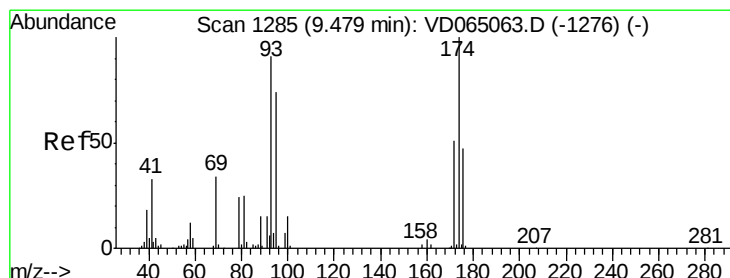
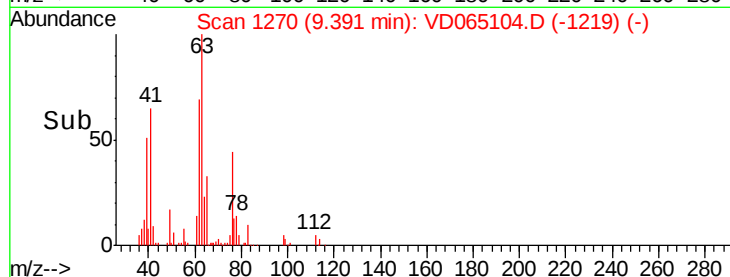
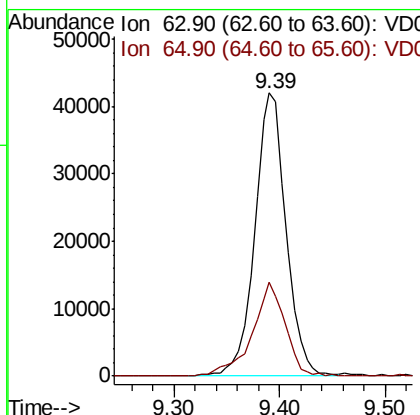
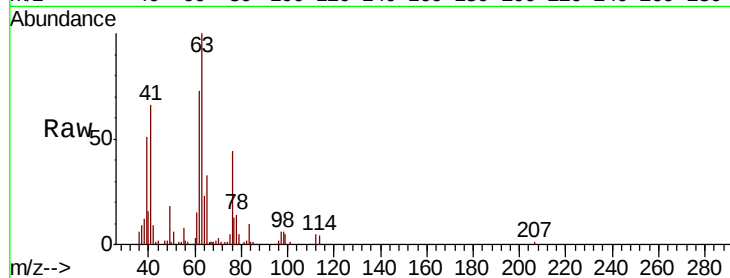




#45
 1,2-Dichloropropane
 Concen: 21.699 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

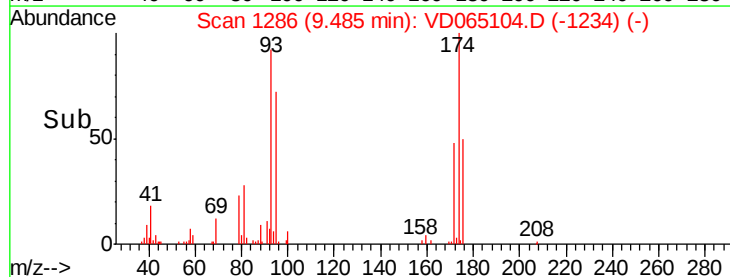
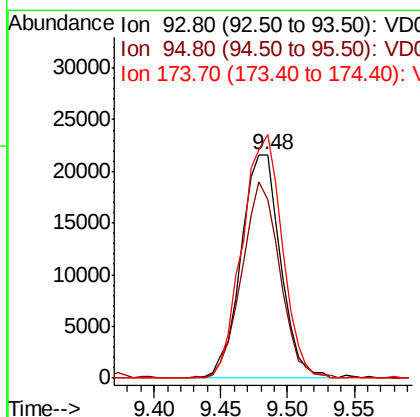
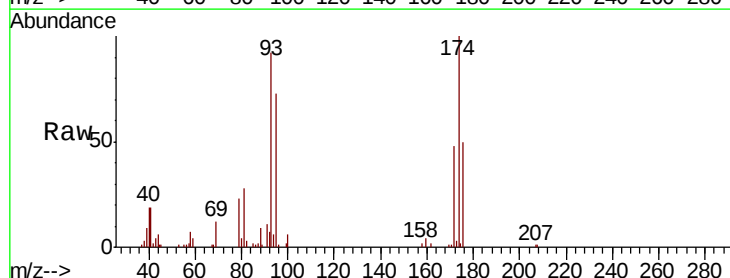
Instrument :
 MSVOA_D
 ClientSampleId :

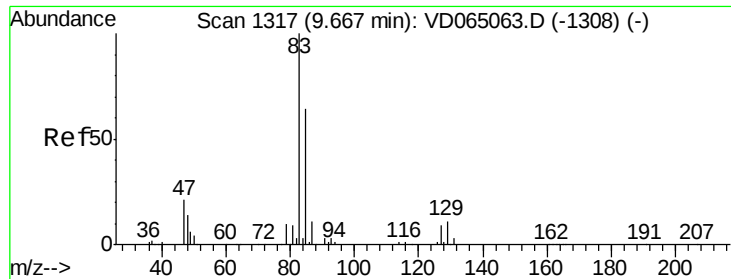
Tot Ion: 63 Resp: 86420
 Ion Ratio Lower Upper
 63 100
 65 33.0 23.9 35.9



#46
 Dibromomethane
 Concen: 21.075 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Tgt Ion: 93 Resp: 44106
 Ion Ratio Lower Upper
 93 100
 95 84.6 66.5 99.7
 174 110.4 89.8 134.8





#47

Bromodichloromethane

Concen: 22.058 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :

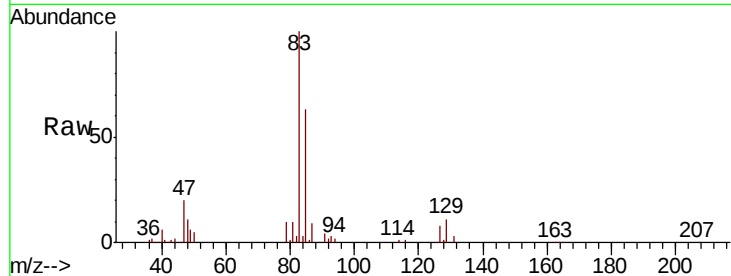
Tot Ion: 83 Resp: 121634

Ion Ratio Lower Upper

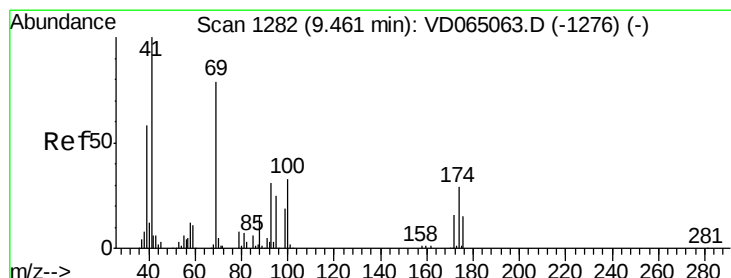
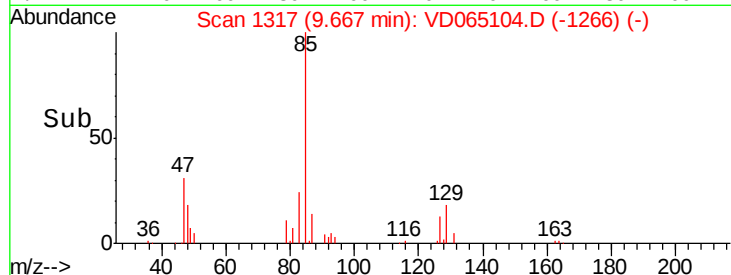
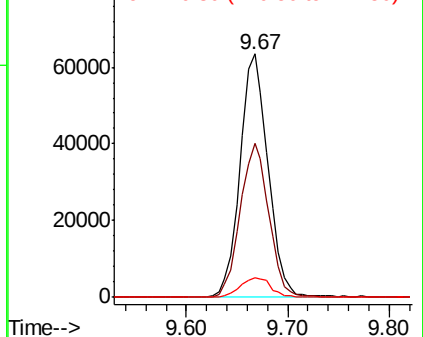
83 100

85 63.2 51.0 76.6

127 7.9 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



#48

Methyl methacrylate

Concen: 18.751 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

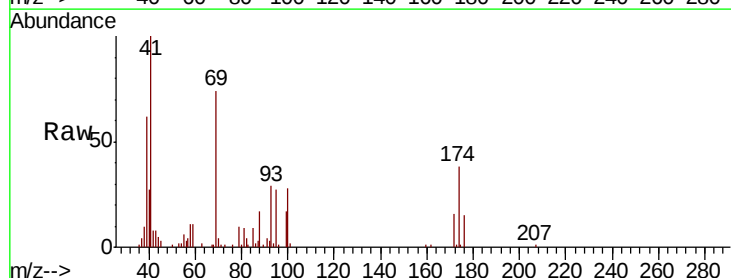
Tgt Ion: 41 Resp: 42416

Ion Ratio Lower Upper

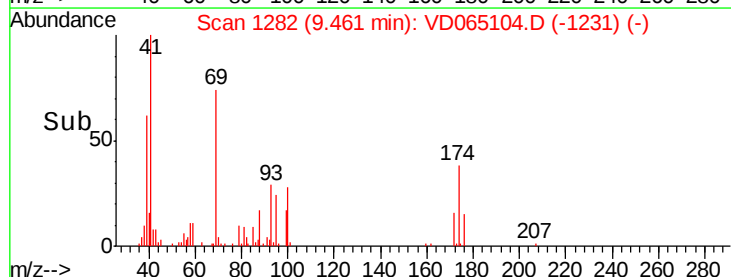
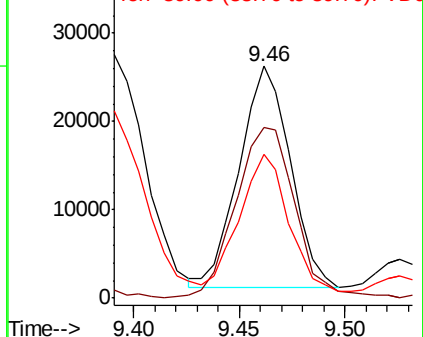
41 100

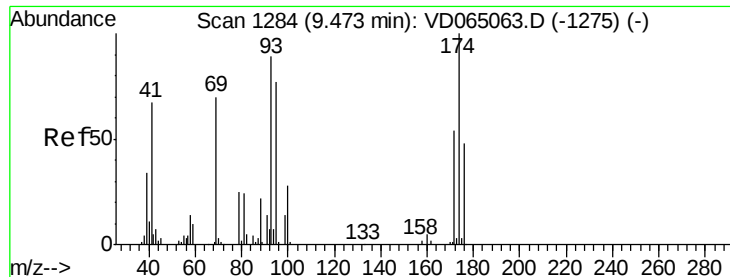
69 89.6 67.5 101.3

39 59.3 47.0 70.4



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





#49

1,4-Dioxane

Concen: 393.217 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :

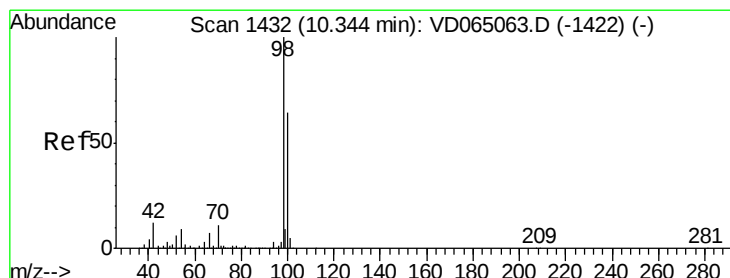
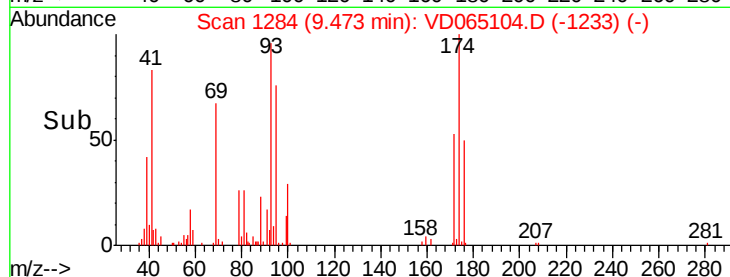
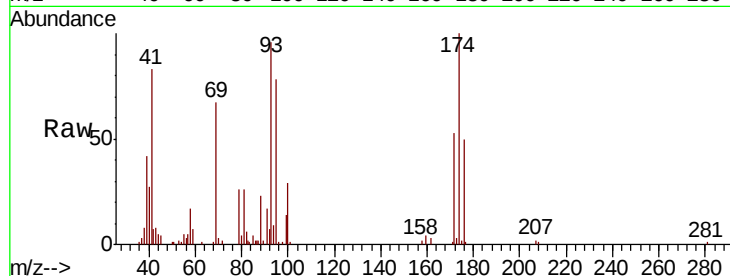
Tot Ion: 88 Resp: 9747

Ion Ratio Lower Upper

88 100

43 44.2 27.7 41.5#

58 70.7 55.5 83.3



#50

Toluene-d8

Concen: 54.675 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065104.D

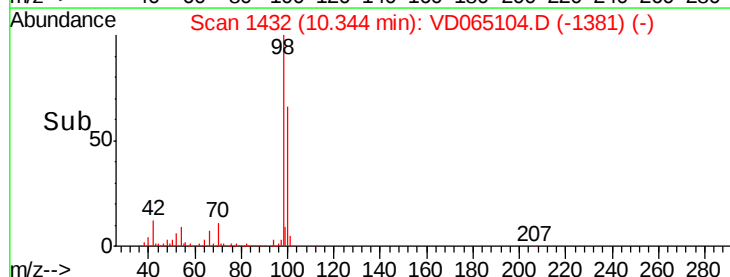
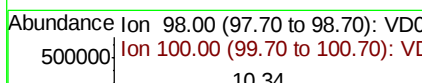
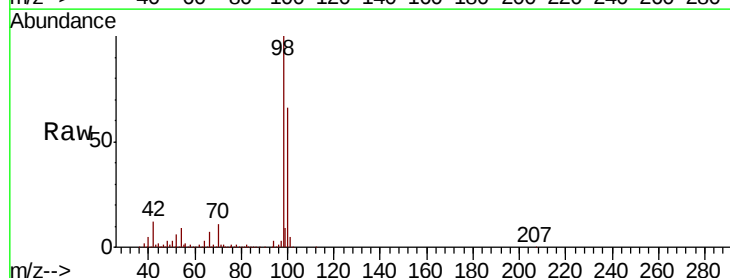
Acq: 07 Feb 2020 12:29

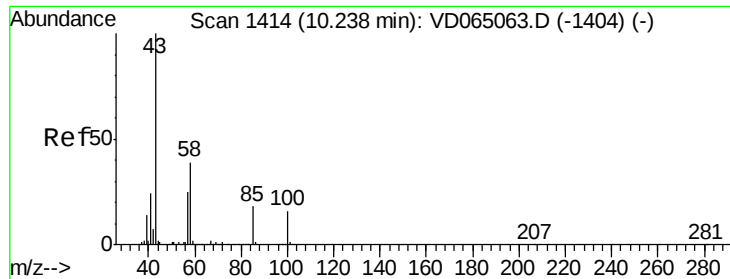
Tgt Ion: 98 Resp: 785477

Ion Ratio Lower Upper

98 100

100 65.8 52.1 78.1

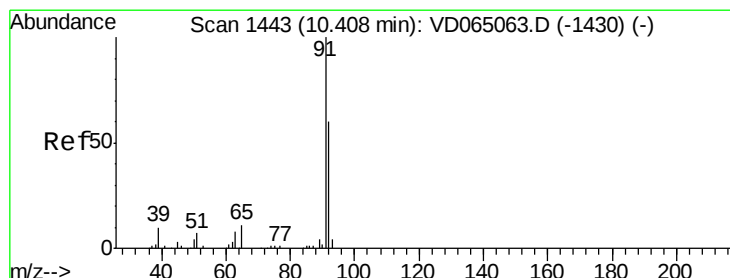
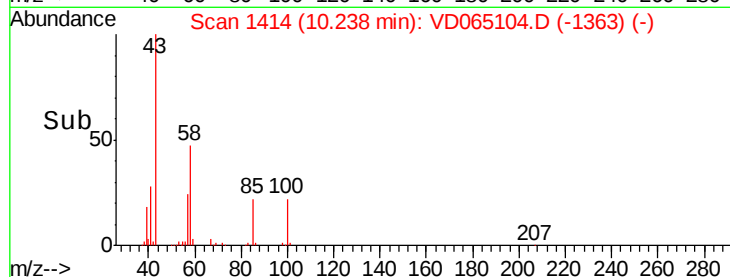
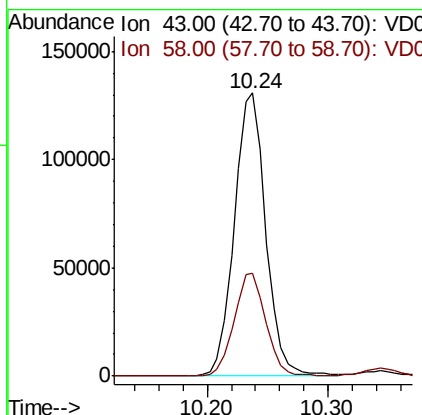
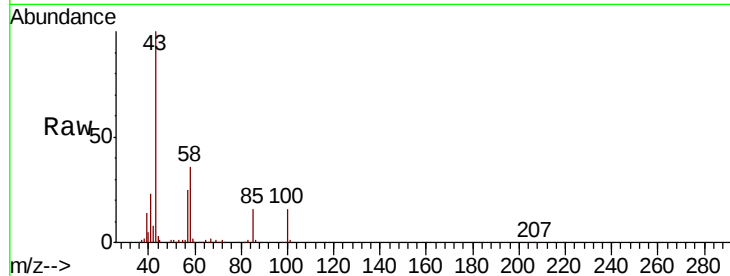




#51
4-Methyl-2-Pentanone
Concen: 102.794 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

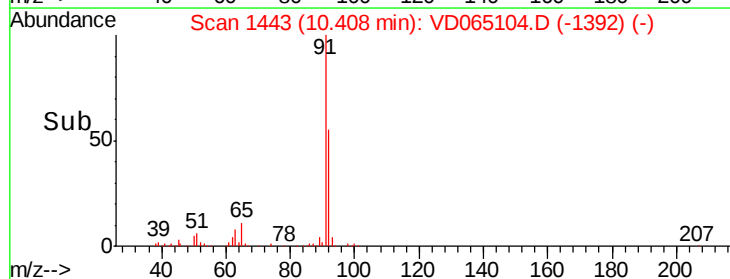
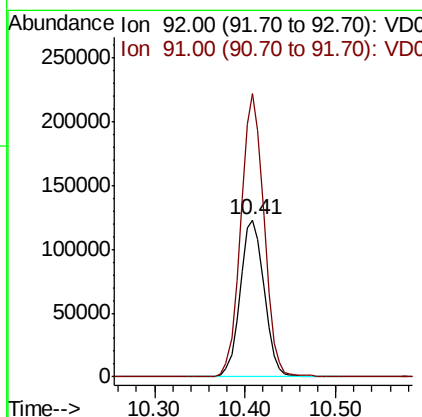
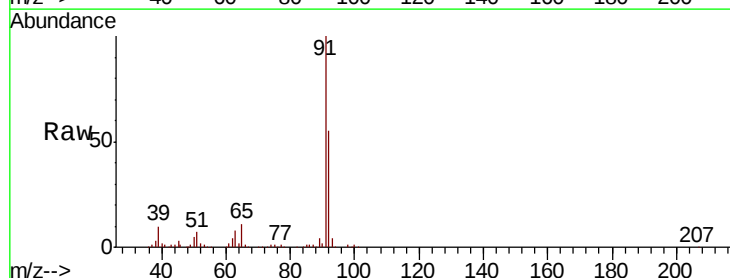
Instrument :
MSVOA_D
ClientSampled :

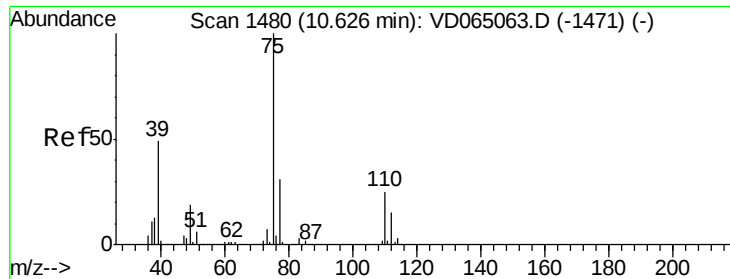
Tot Ion: 43 Resp: 237853
Ion Ratio Lower Upper
43 100
58 36.6 30.2 45.2



#52
Toluene
Concen: 21.365 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion: 92 Resp: 226511
Ion Ratio Lower Upper
92 100
91 173.8 135.3 202.9





#53

t-1,3-Dichloropropene

Concen: 20.664 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

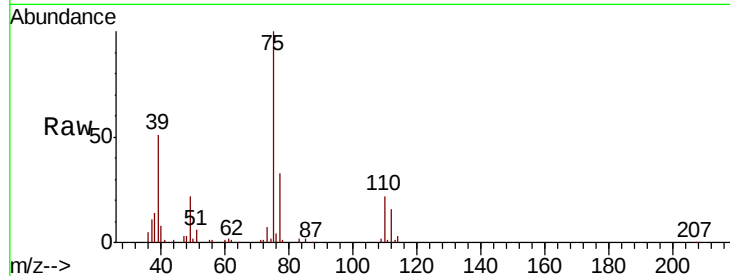
ClientSampleId :

Tot Ion: 75 Resp: 110944

Ion Ratio Lower Upper

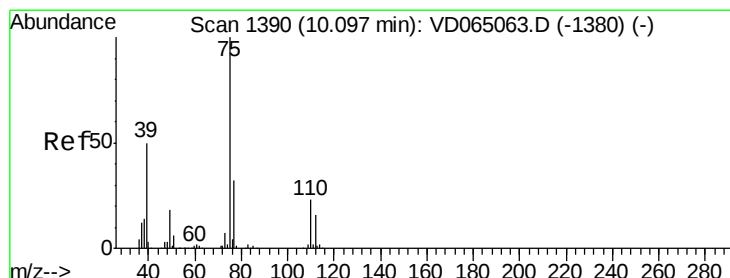
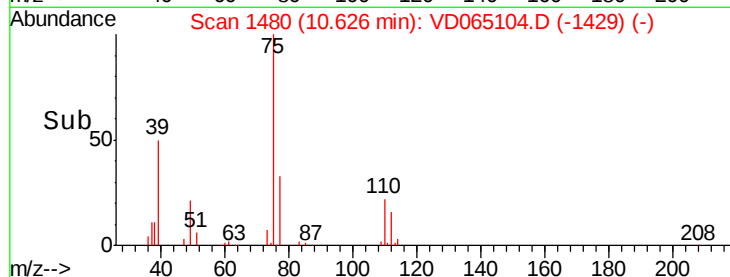
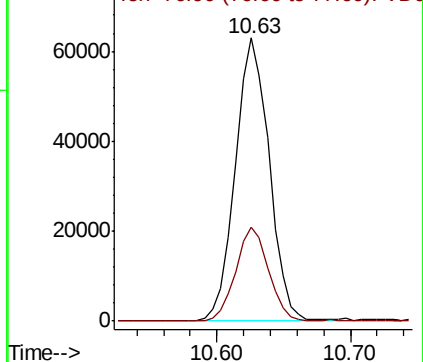
75 100

77 33.0 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.024 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

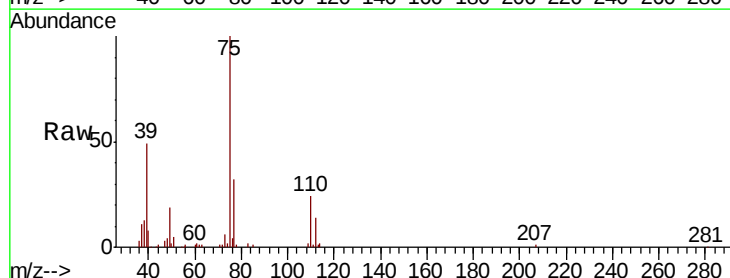
Tgt Ion: 75 Resp: 135003

Ion Ratio Lower Upper

75 100

77 32.1 25.3 37.9

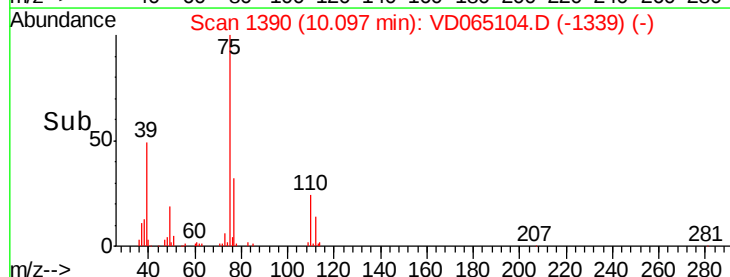
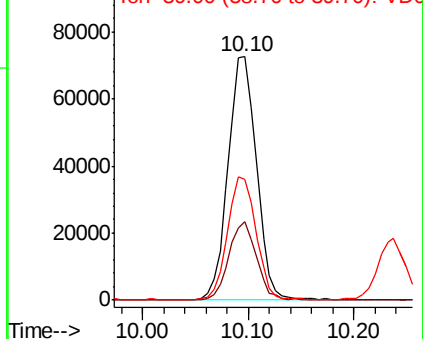
39 49.3 40.3 60.5

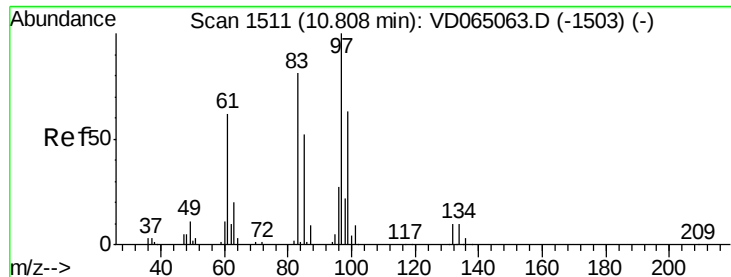


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

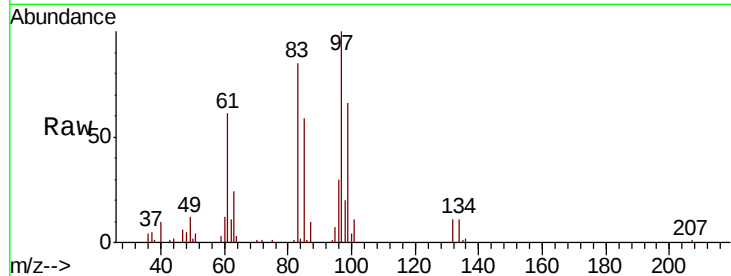




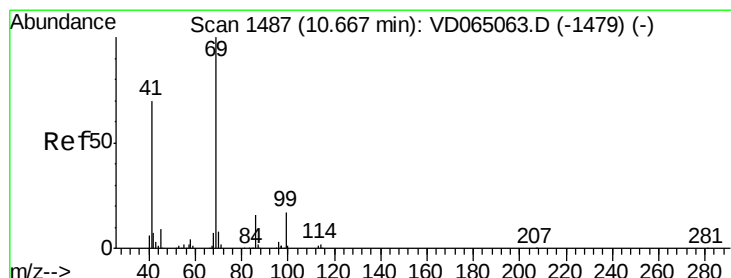
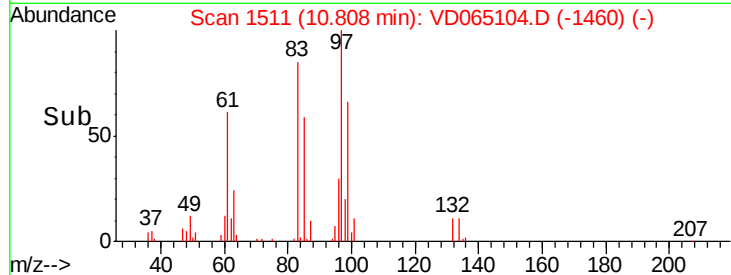
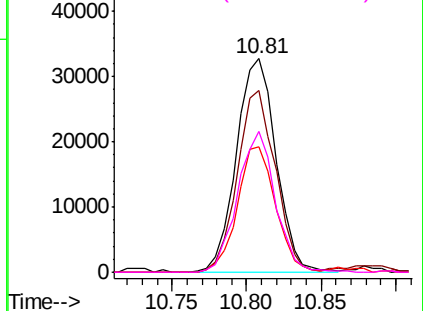
#55
 1,1,2-Trichloroethane
 Concen: 21.104 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	60581
Ion	Ratio	Lower	Upper
97	100		
83	85.3	64.8	97.2
85	58.5	41.2	61.8
99	65.8	50.3	75.5

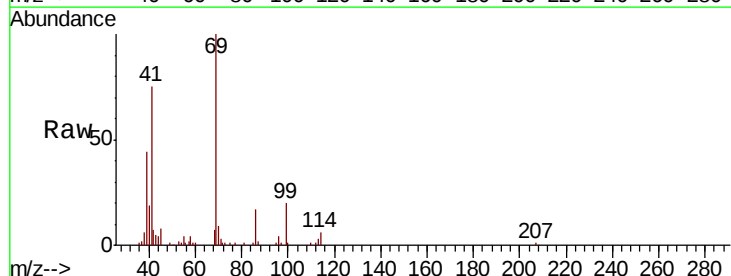


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

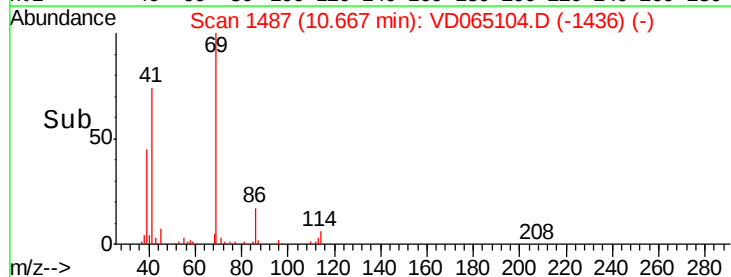
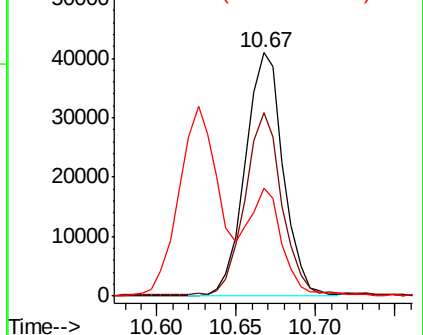


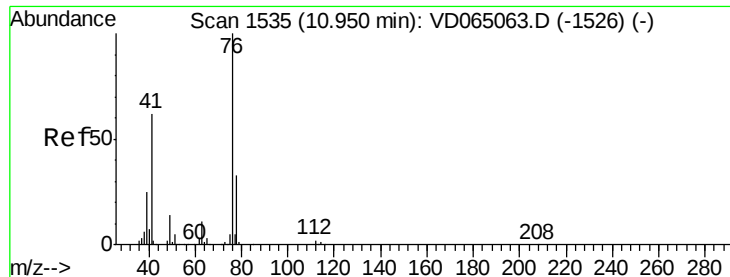
#56
 Ethyl methacrylate
 Concen: 18.758 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Tgt Ion:	69	Resp:	68132
Ion	Ratio	Lower	Upper
69	100		
41	76.5	55.9	83.9
39	40.9	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: 20.931 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

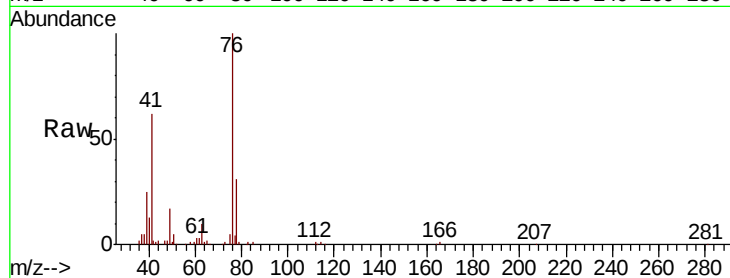
ClientSampleId :

Tot Ion: 76 Resp: 105655

Ion Ratio Lower Upper

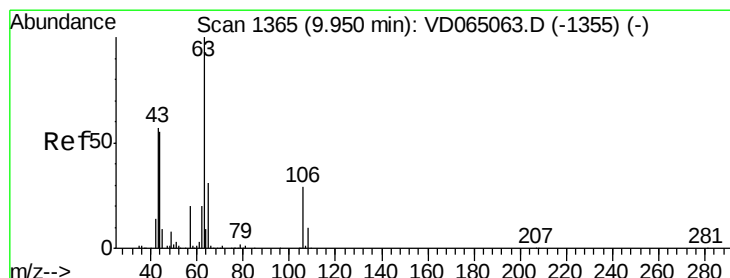
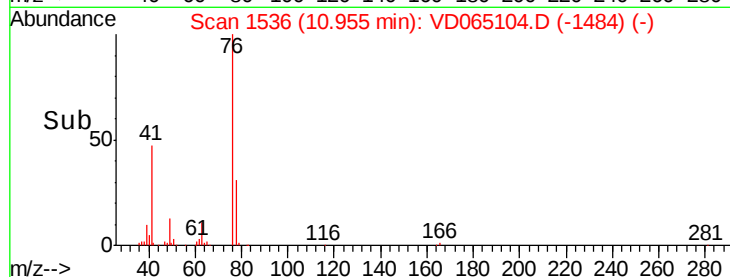
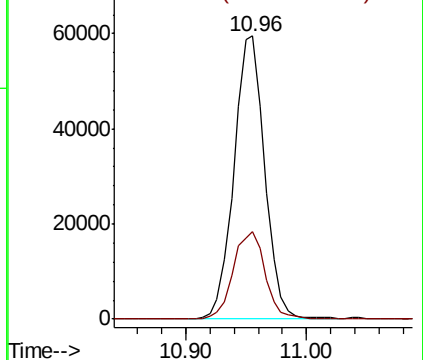
76 100

78 31.9 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 85.755 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065104.D

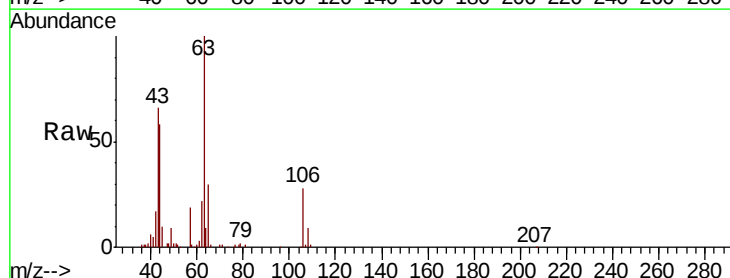
Acq: 07 Feb 2020 12:29

Tgt Ion: 63 Resp: 115290

Ion Ratio Lower Upper

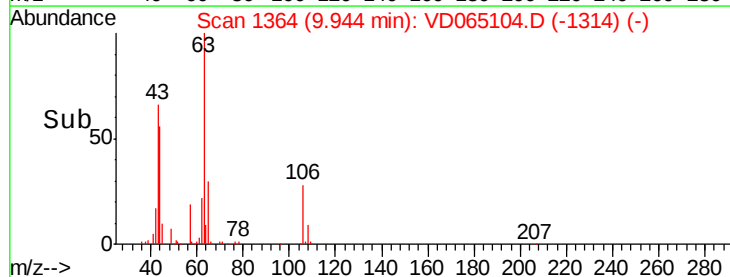
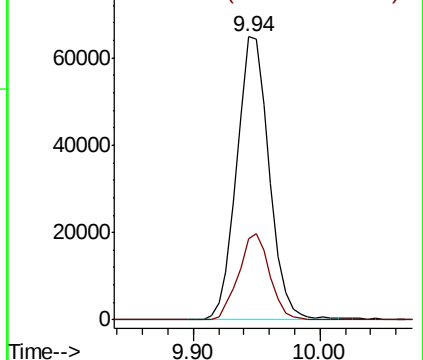
63 100

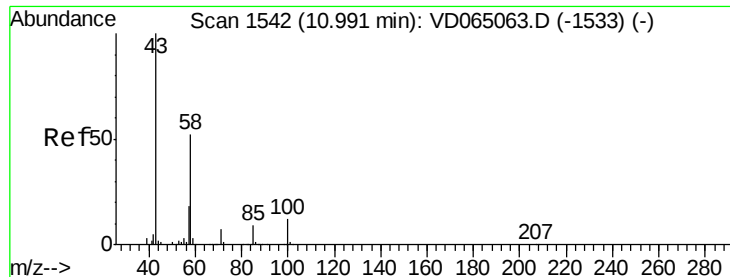
106 29.3 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

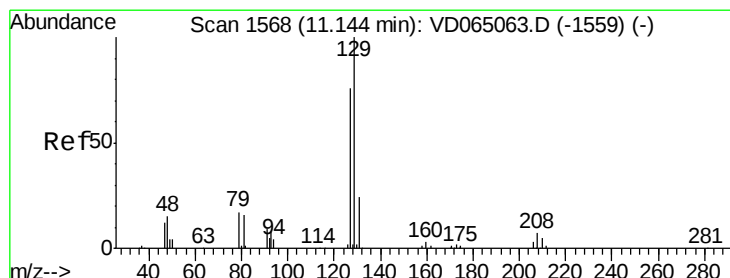
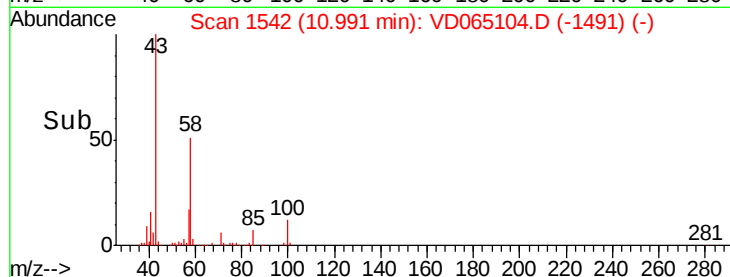
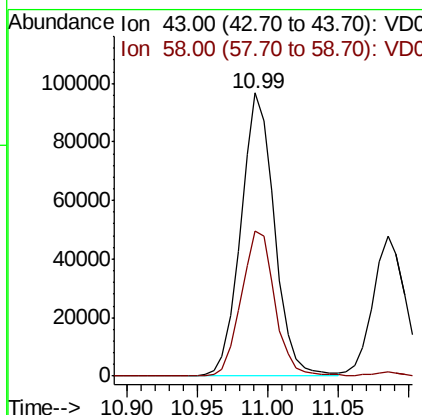
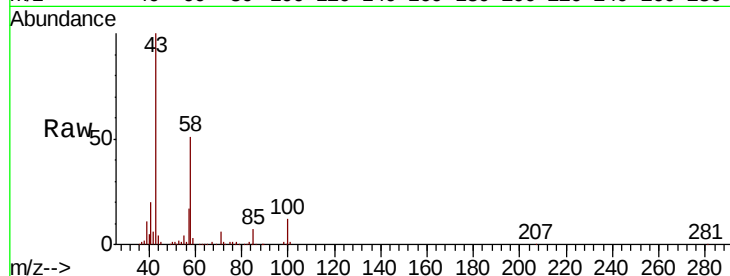




#59
2-Hexanone
Concen: 98.363 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

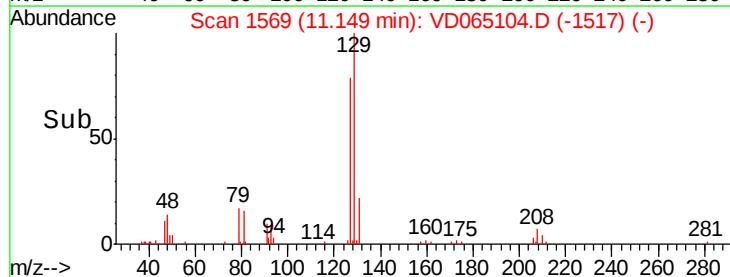
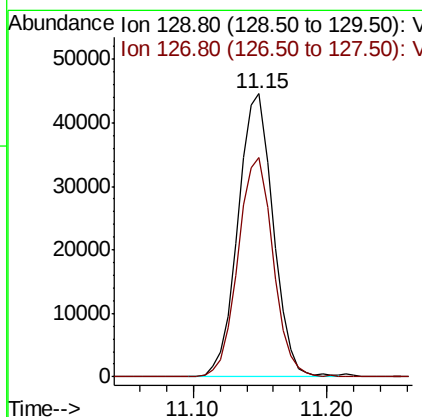
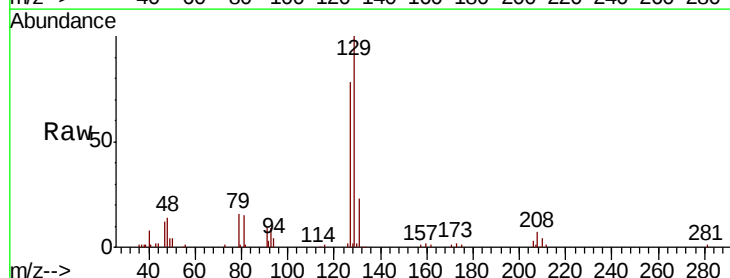
Instrument :
MSVOA_D
ClientSampleID :

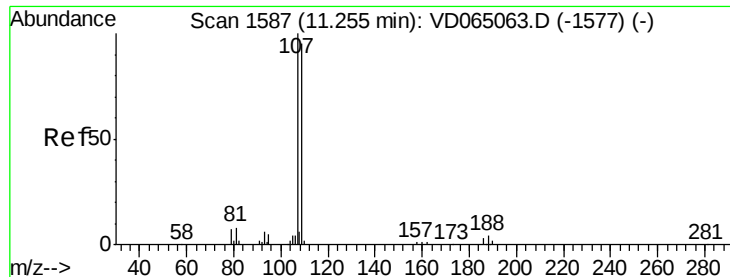
Tot Ion: 43 Resp: 161215
Ion Ratio Lower Upper
43 100
58 51.0 26.2 78.6



#60
Dibromochloromethane
Concen: 21.840 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion: 129 Resp: 81204
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.9

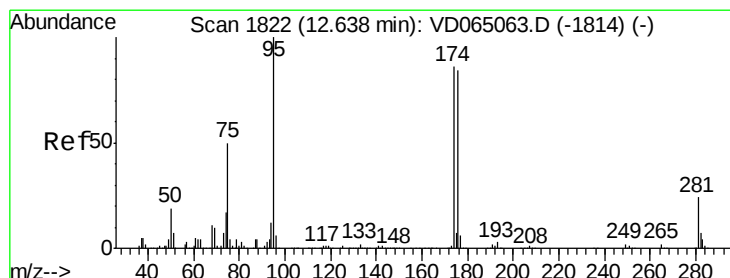
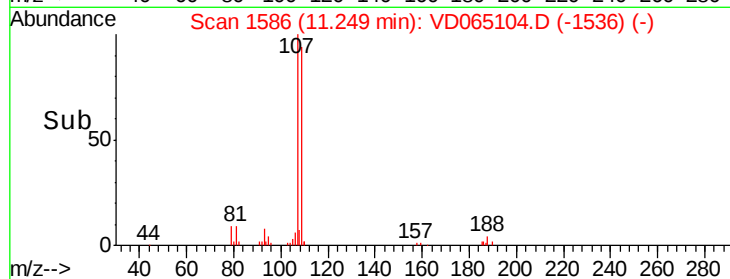
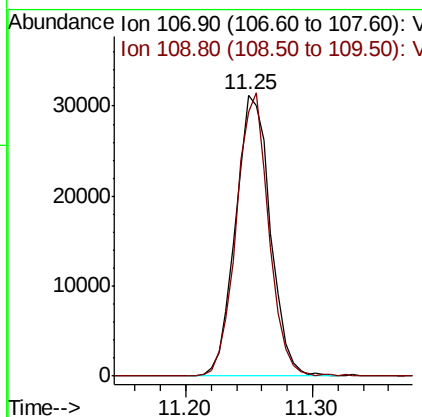
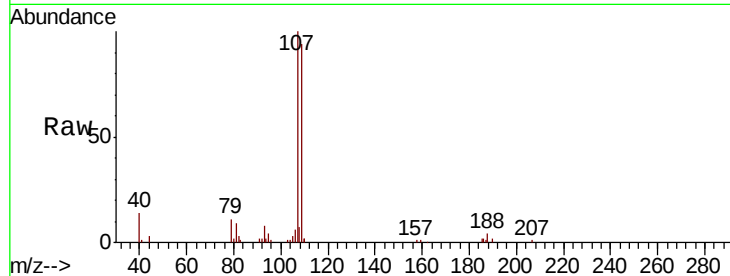




#61
 1,2-Dibromoethane
 Concen: 21.096 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

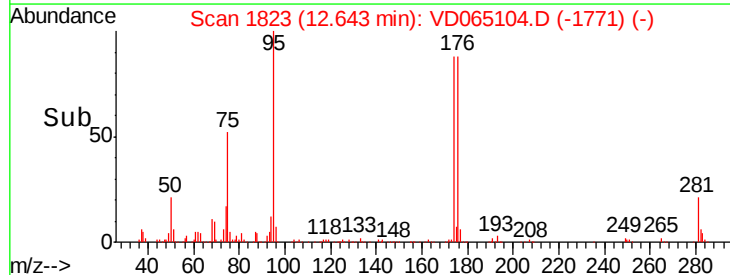
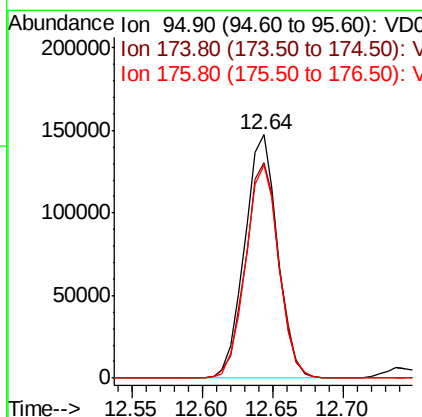
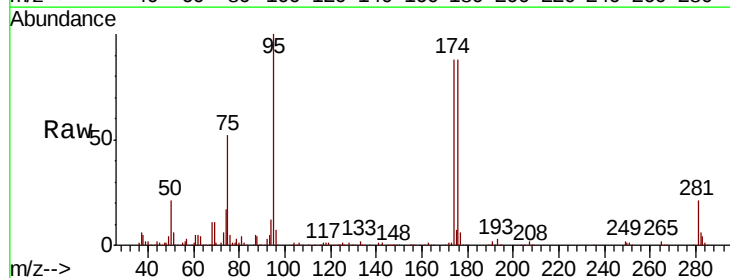
Instrument :
 MSVOA_D
 ClientSampleId :

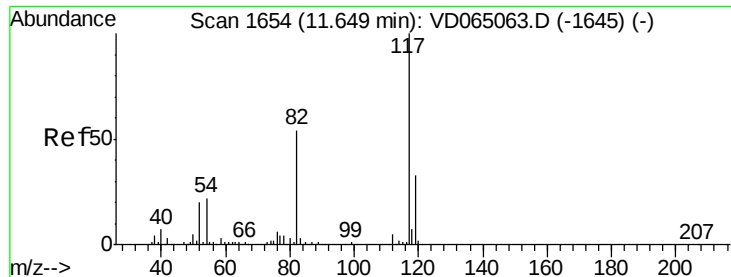
Tot Ion:107 Resp: 59173
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 53.070 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Tgt Ion: 95 Resp: 241582
 Ion Ratio Lower Upper
 95 100
 174 89.8 0.0 180.0
 176 87.8 0.0 173.2

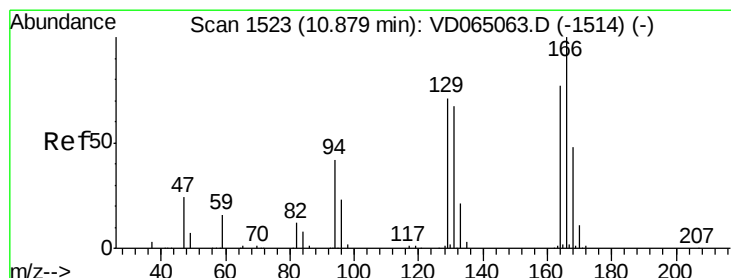
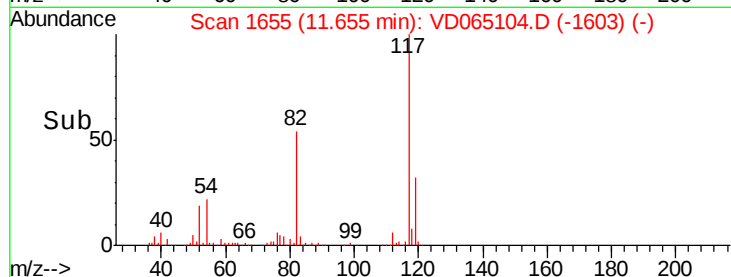
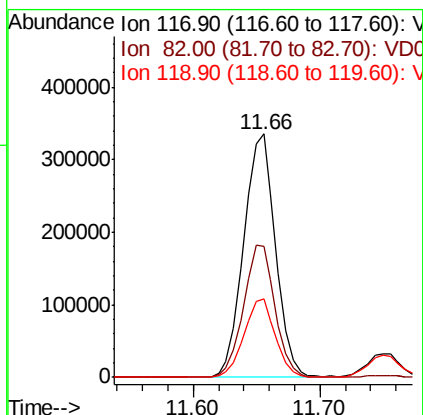
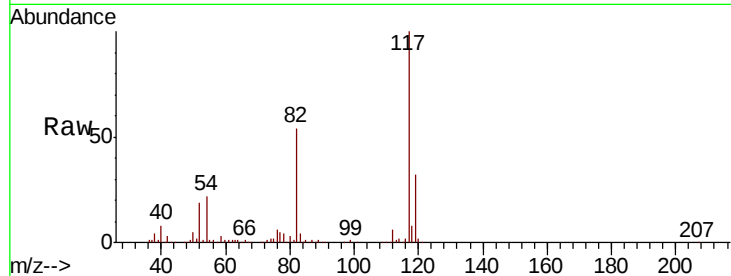




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1655
Delta R.T. 0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

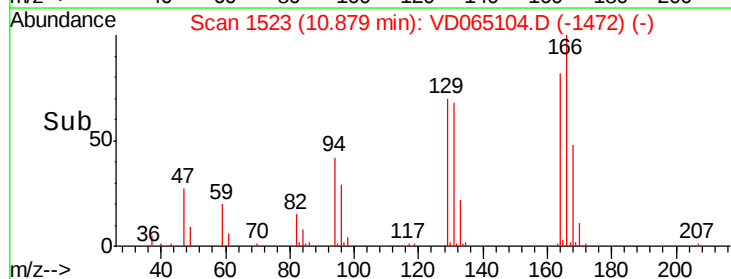
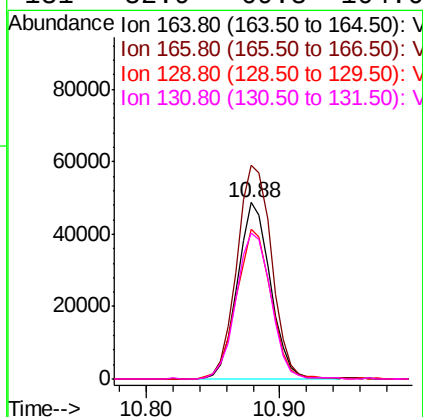
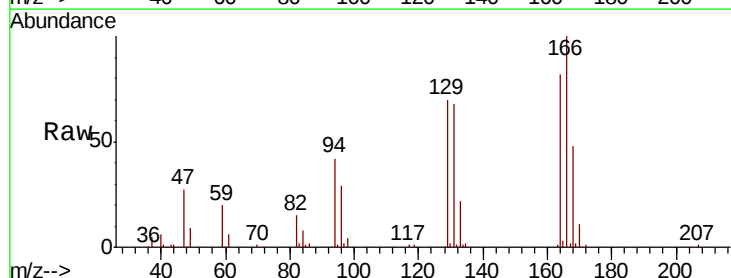
Instrument :
MSVOA_D
ClientSampleId :

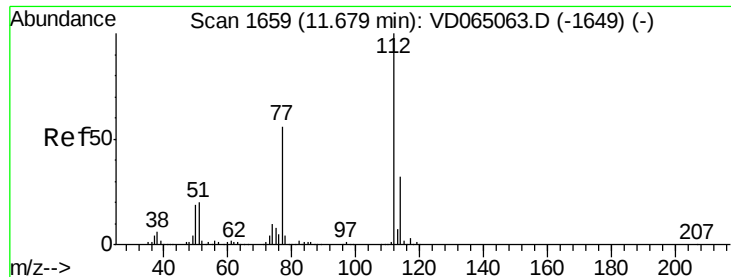
Tot Ion:117 Resp: 584742
Ion Ratio Lower Upper
117 100
82 53.8 43.1 64.7
119 32.3 26.0 39.0



#64
Tetrachloroethene
Concen: 19.959 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion:164 Resp: 83863
Ion Ratio Lower Upper
164 100
166 121.3 103.5 155.3
129 85.4 73.3 109.9
131 82.9 69.8 104.6

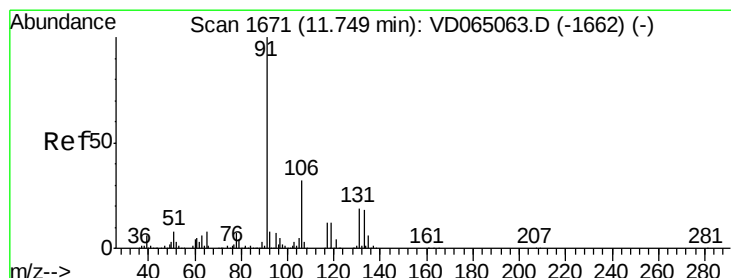
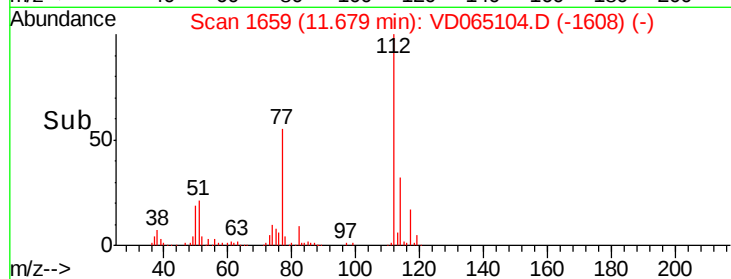
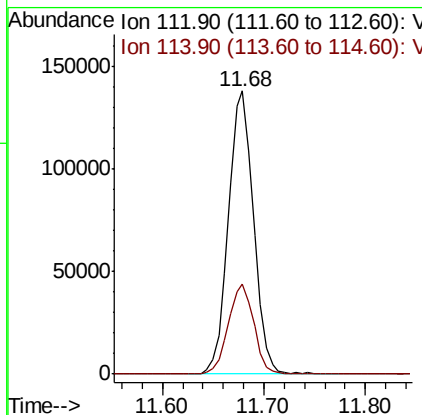
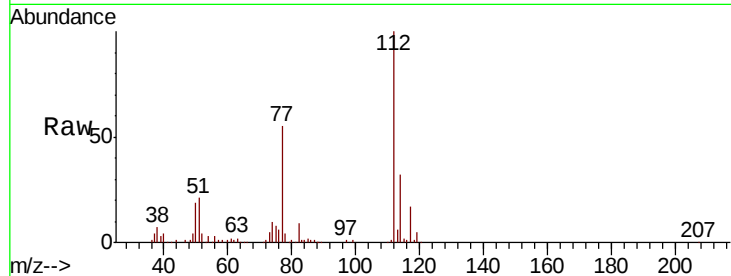




#65
Chlorobenzene
Concen: 20.976 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

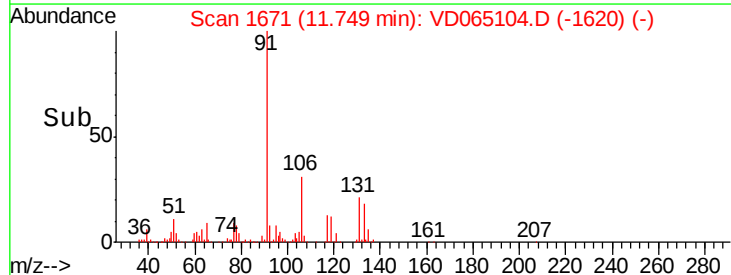
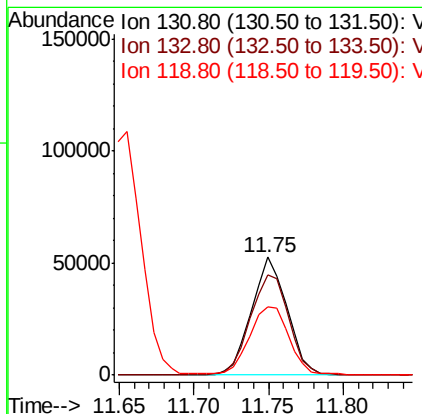
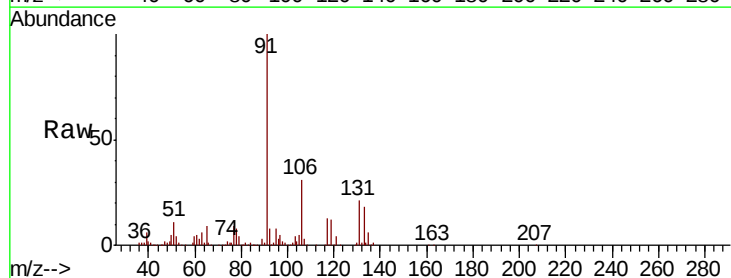
Instrument :
MSVOA_D
ClientSampleId :

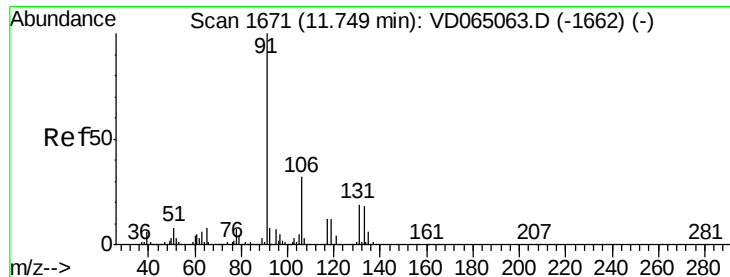
Tot Ion:112 Resp: 237233
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.884 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion:131 Resp: 87176
Ion Ratio Lower Upper
131 100
133 91.9 47.7 143.1
119 64.5 31.3 93.8





#67

Ethyl Benzene

Concen: 20.547 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

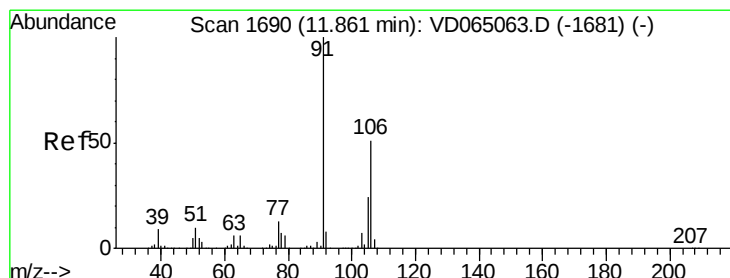
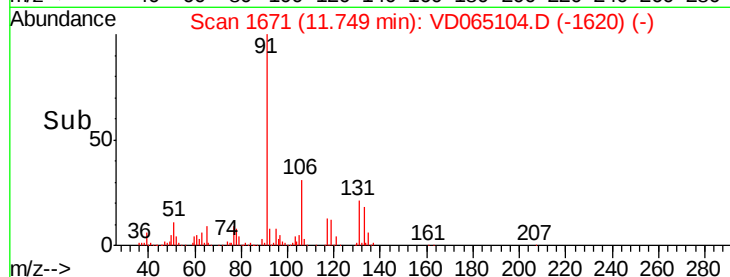
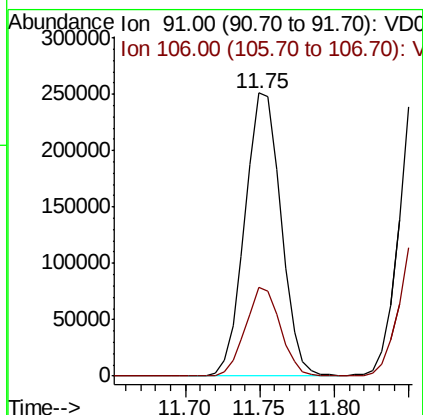
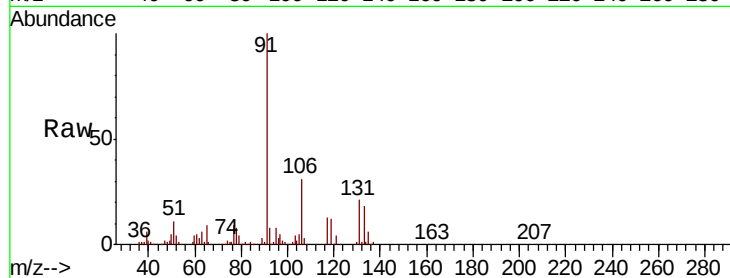
ClientSampleID :

Tot Ion: 91 Resp: 422192

Ion Ratio Lower Upper

91 100

106 31.4 25.4 38.2



#68

m/p-Xylenes

Concen: 41.602 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065104.D

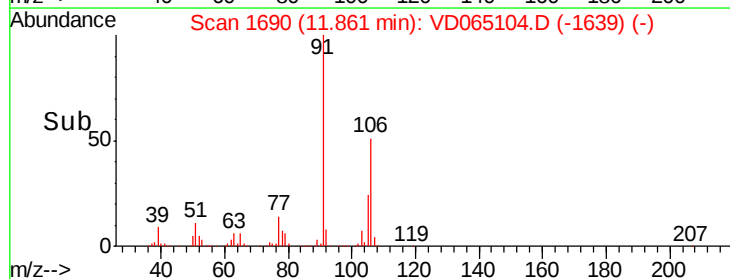
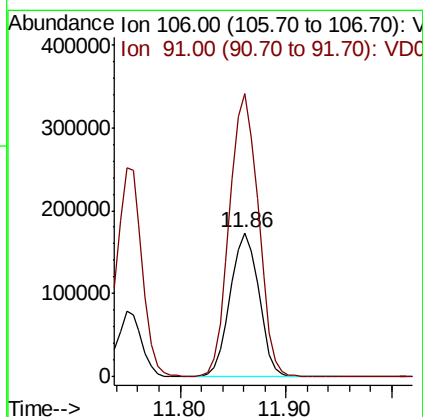
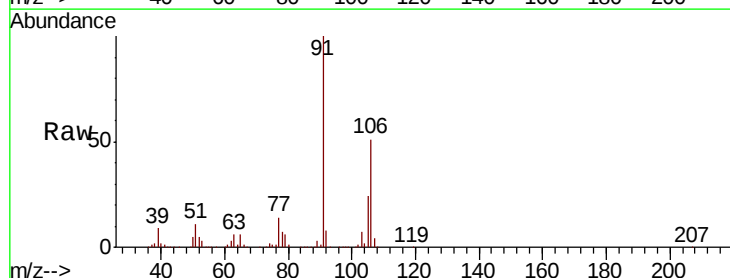
Acq: 07 Feb 2020 12:29

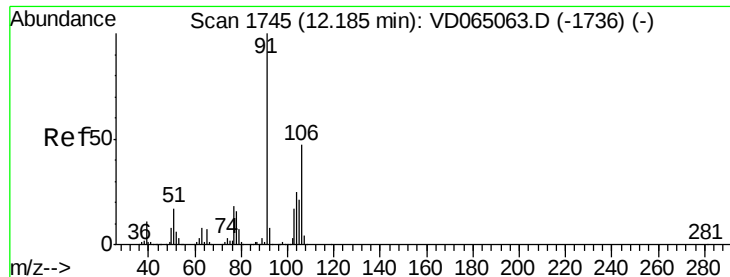
Tgt Ion: 106 Resp: 326267

Ion Ratio Lower Upper

106 100

91 198.7 158.9 238.3

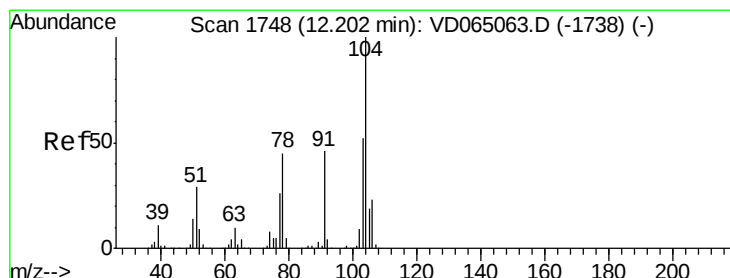
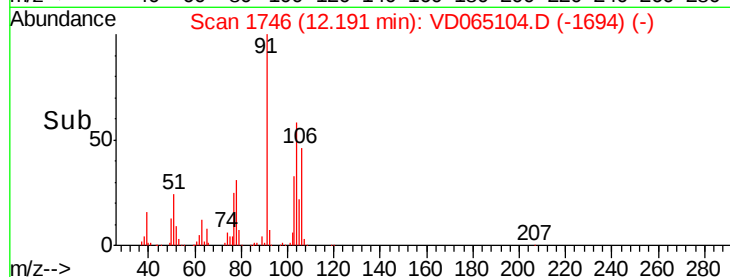
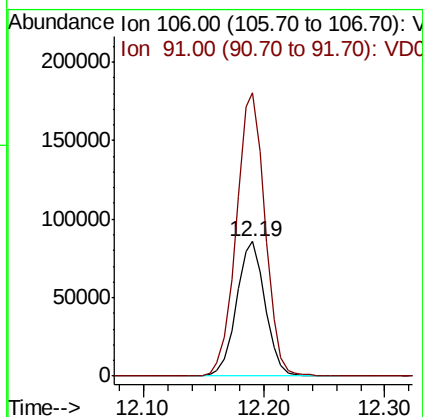
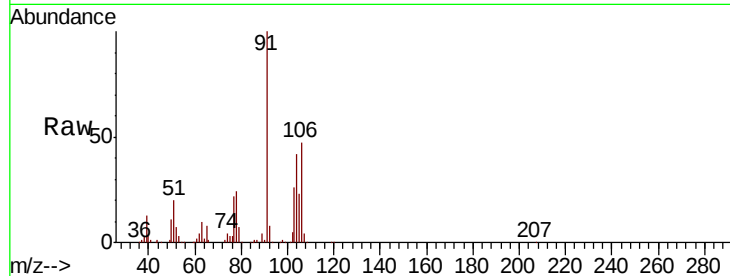




#69
o-Xylene
Concen: 20.089 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

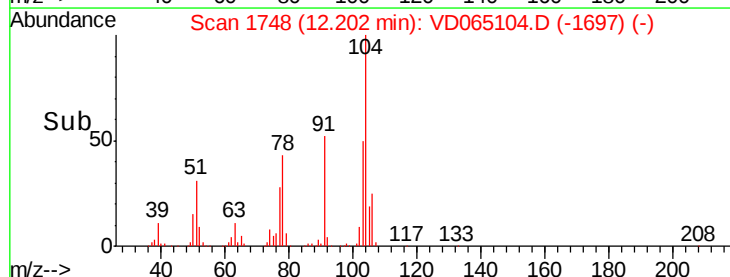
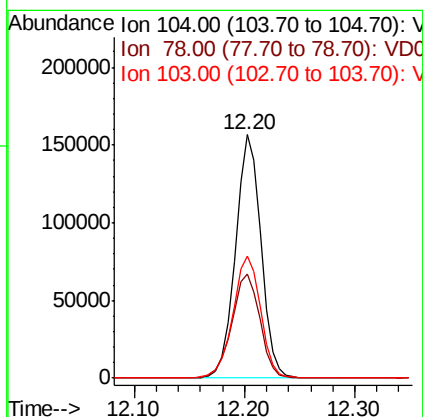
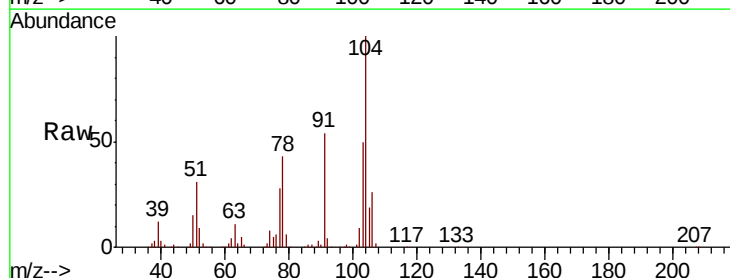
Instrument :
MSVOA_D
ClientSampled :

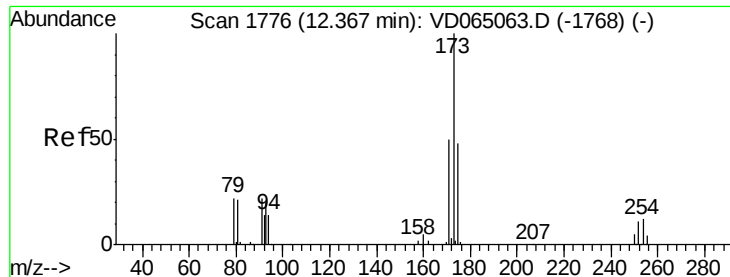
Tot Ion:106 Resp: 141877
Ion Ratio Lower Upper
106 100
91 210.9 104.7 313.9



#70
Styrene
Concen: 20.733 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion:104 Resp: 254483
Ion Ratio Lower Upper
104 100
78 46.9 38.5 57.7
103 54.4 43.8 65.8

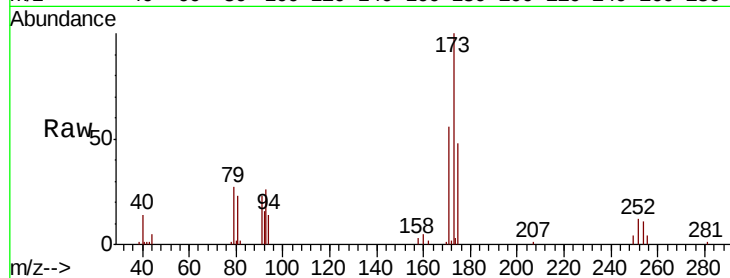




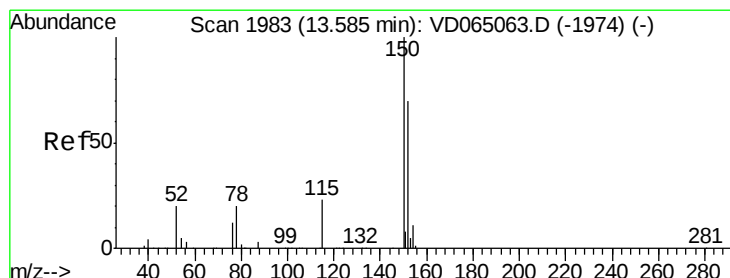
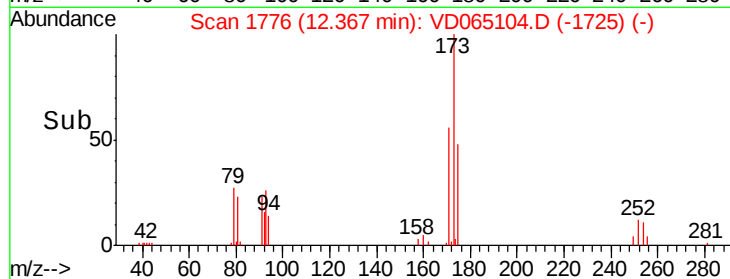
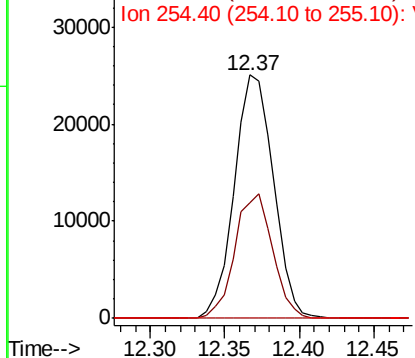
#71
Bromoform
Concen: 20.387 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 45805
Ion Ratio Lower Upper
173 100
175 49.4 24.3 72.8
254 0.0 0.1 0.1#

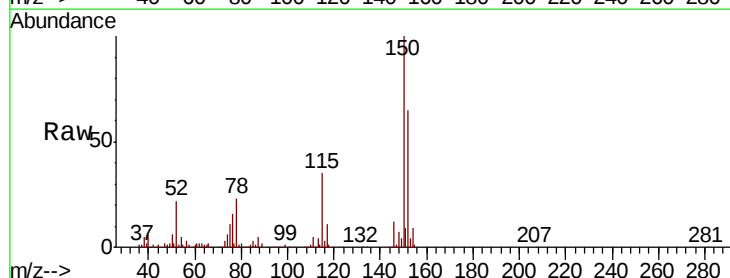


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

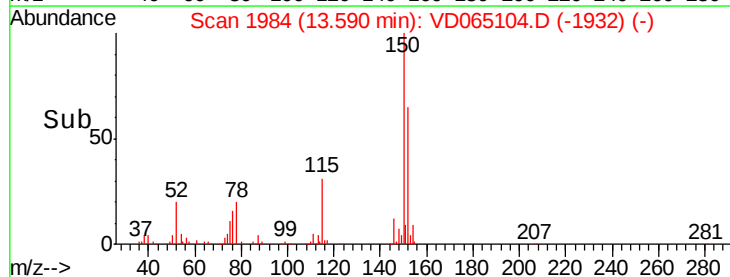
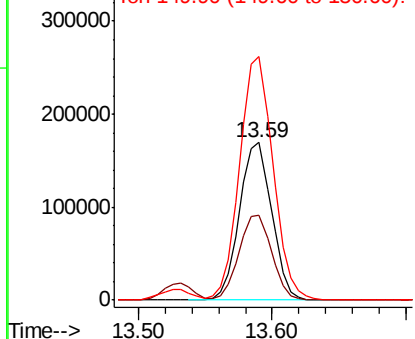


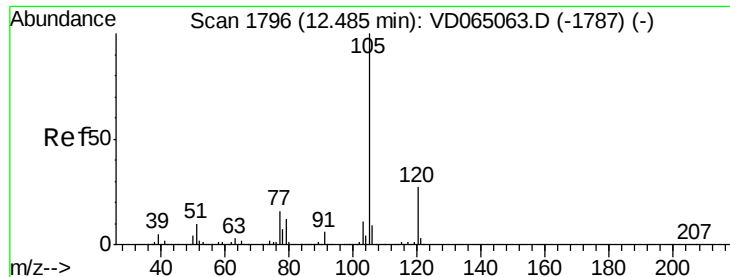
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.59 min Scan# 1984
Delta R.T. 0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion:152 Resp: 282669
Ion Ratio Lower Upper
152 100
115 54.5 27.5 82.4
150 160.7 0.0 343.2



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





#73

Isopropylbenzene

Concen: 20.140 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

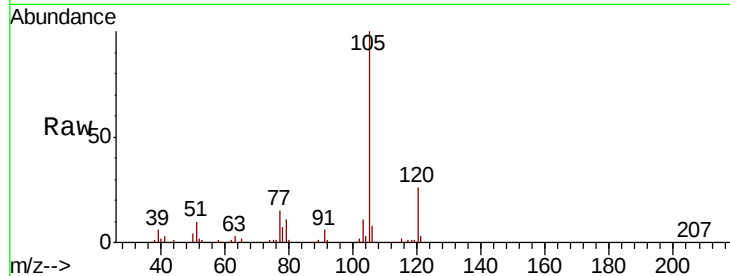
ClientSampled :

Tot Ion:105 Resp: 390742

Ion Ratio Lower Upper

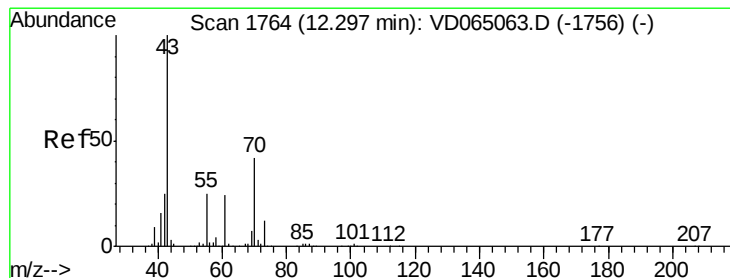
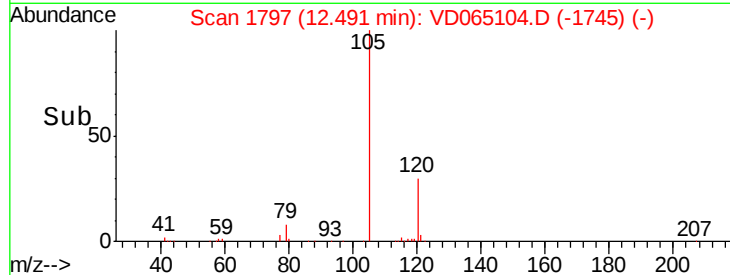
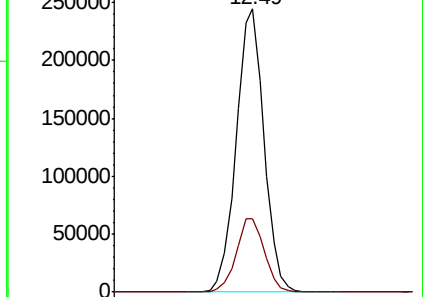
105 100

120 26.4 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.494 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Tgt Ion: 43 Resp: 82205

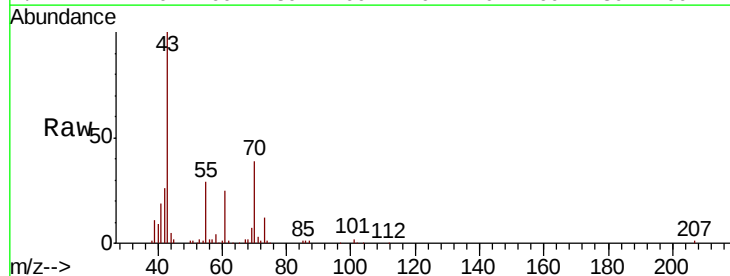
Ion Ratio Lower Upper

43 100

70 40.7 33.5 50.3

55 27.3 19.4 29.2

61 23.5 18.6 28.0

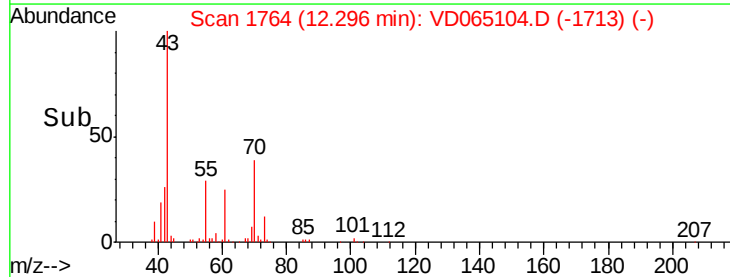
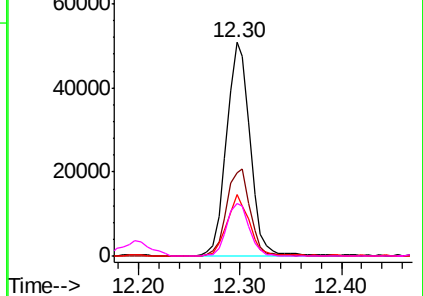


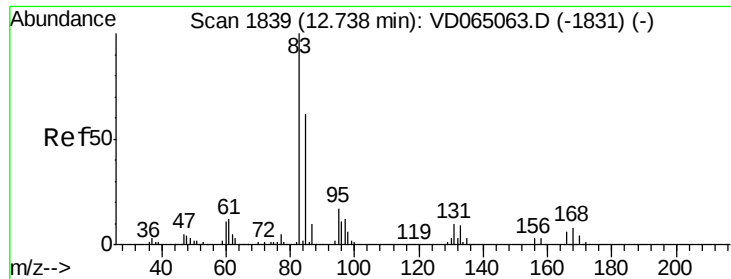
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.949 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

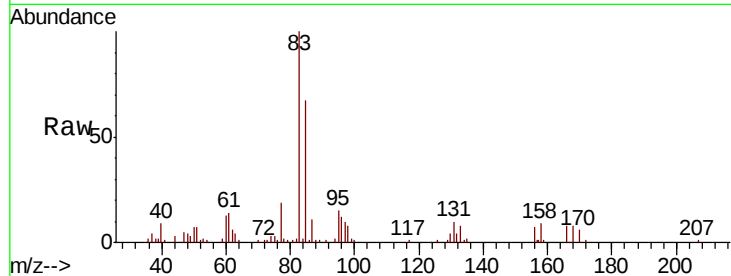
Tot Ion: 83 Resp: 63966

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.4

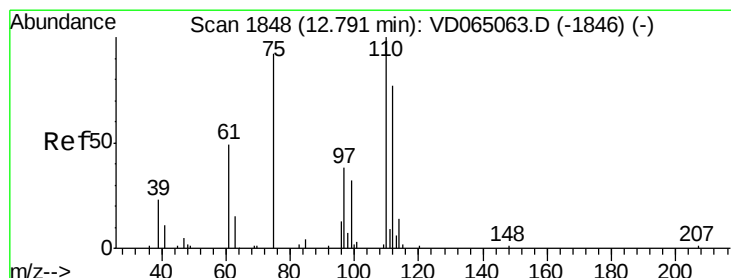
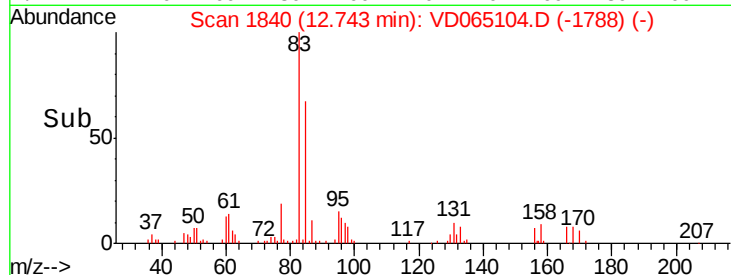
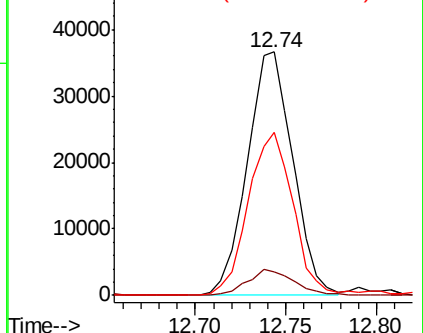
85 66.0 31.8 95.4



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: 39.640 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065104.D

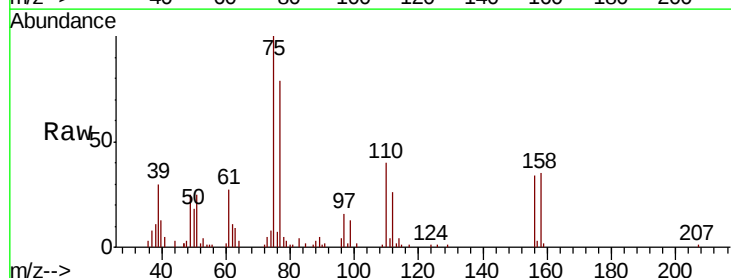
Acq: 07 Feb 2020 12:29

Tgt Ion: 75 Resp: 84833

Ion Ratio Lower Upper

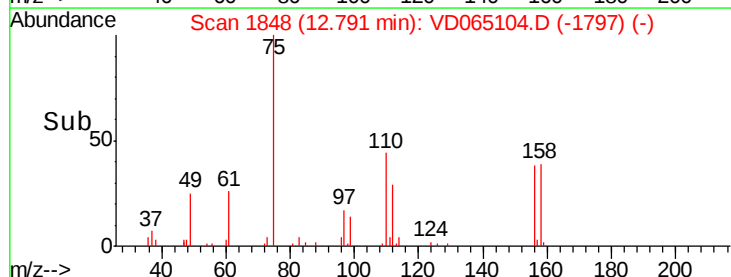
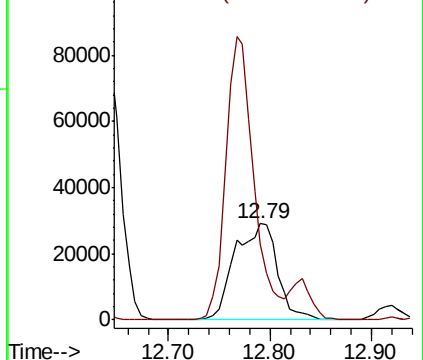
75 100

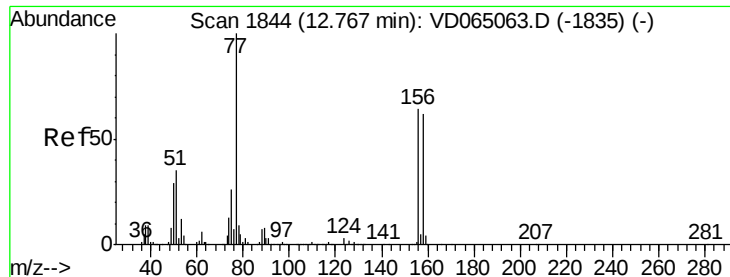
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.131 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

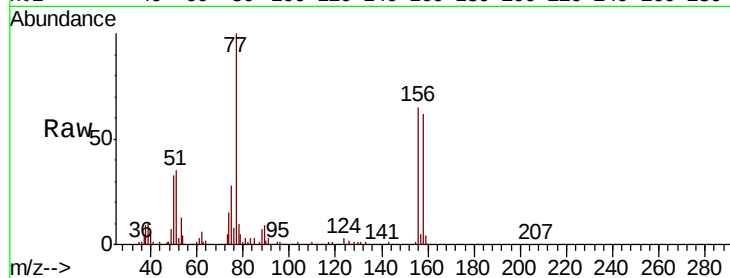
Tot Ion:156 Resp: 94103

Ion Ratio Lower Upper

156 100

77 174.4 85.6 256.8

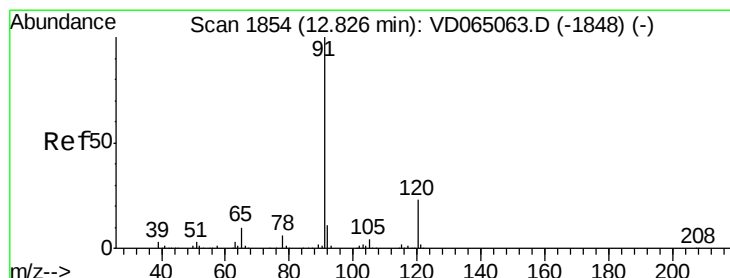
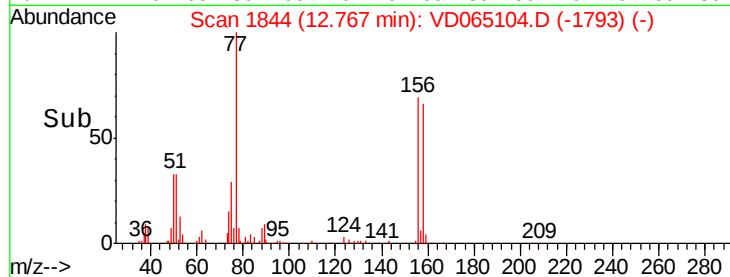
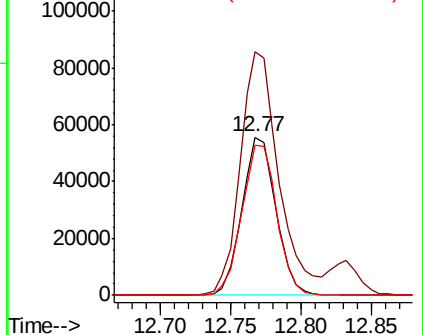
158 97.5 47.4 142.2



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: 20.847 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065104.D

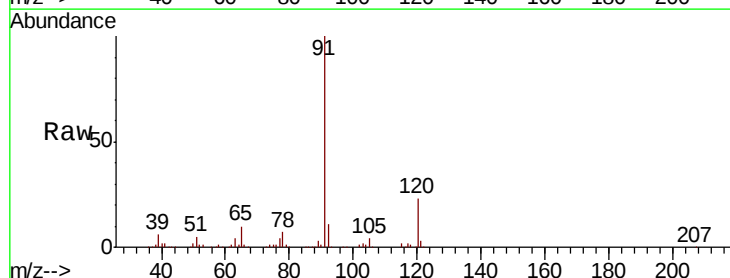
Acq: 07 Feb 2020 12:29

Tgt Ion: 91 Resp: 473654

Ion Ratio Lower Upper

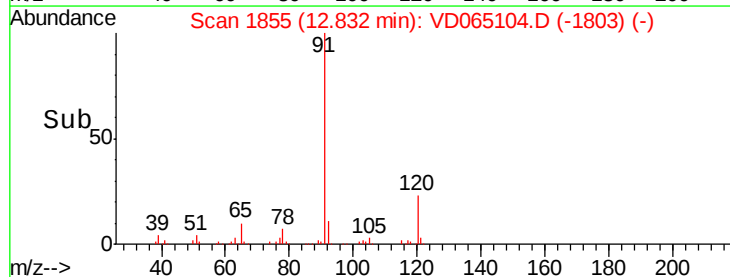
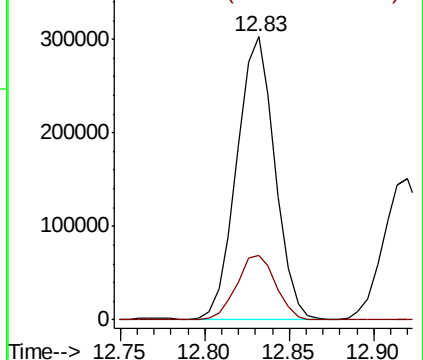
91 100

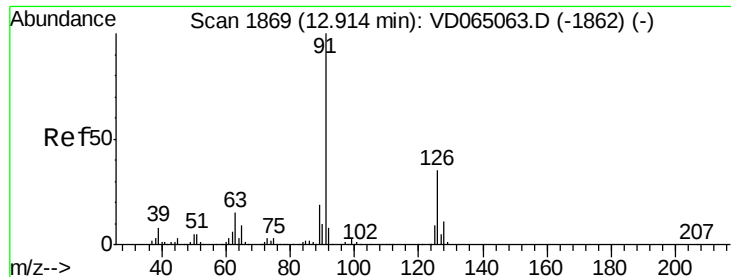
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

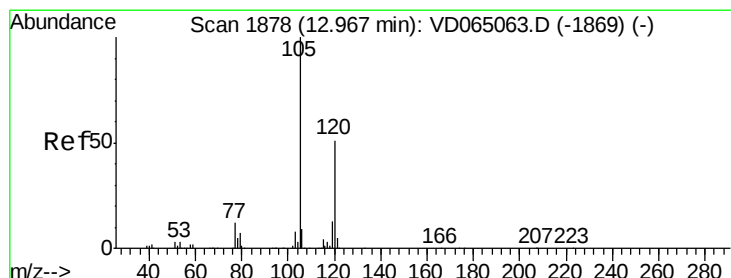
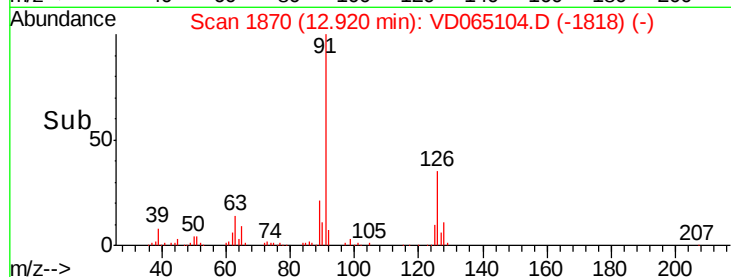
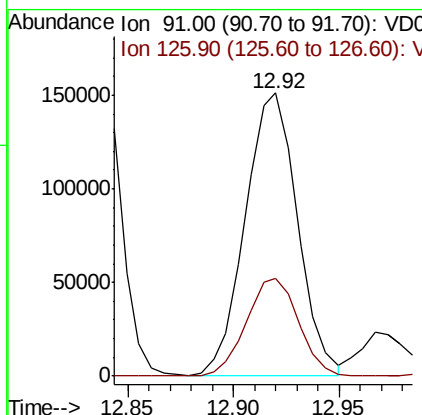
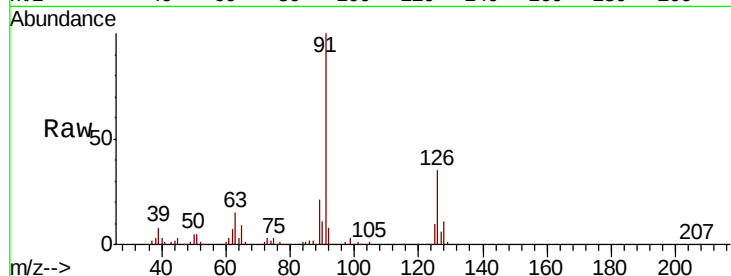




#79
 2-Chlorotoluene
 Concen: 20.453 ug/l
 RT: 12.92 min Scan# 1870
 Delta R.T. 0.01 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

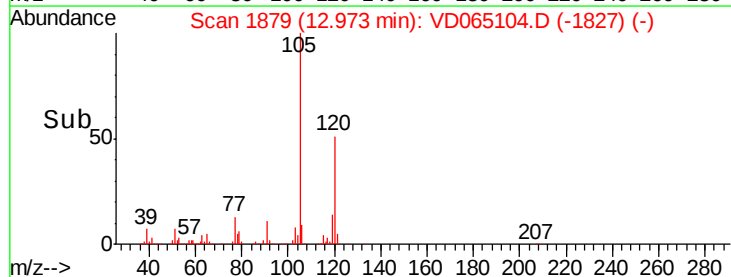
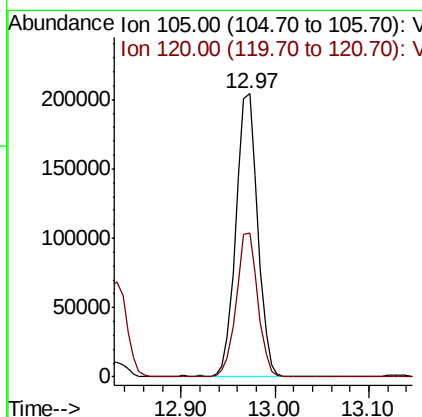
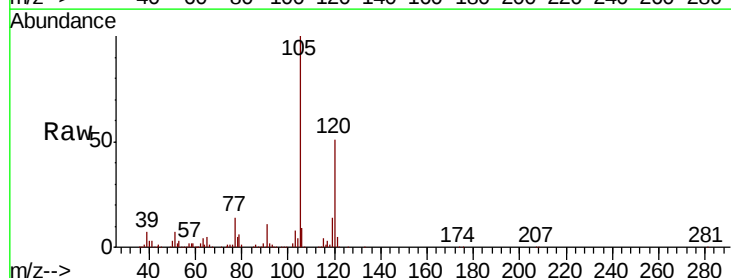
Instrument :
 MSVOA_D
 ClientSampleId :

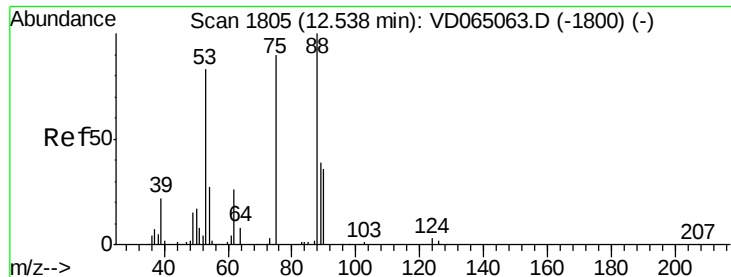
Tot Ion: 91 Resp: 259027
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 20.710 ug/l
 RT: 12.97 min Scan# 1879
 Delta R.T. 0.01 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Tgt Ion: 105 Resp: 328720
 Ion Ratio Lower Upper
 105 100
 120 50.1 25.1 75.4

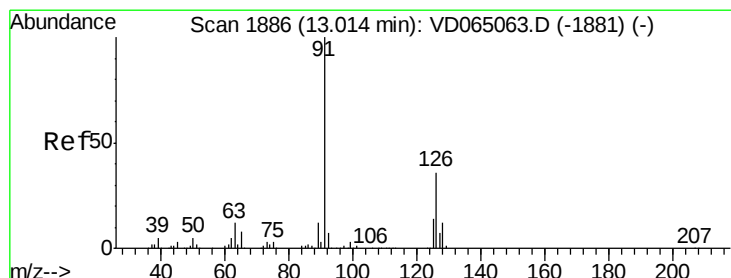
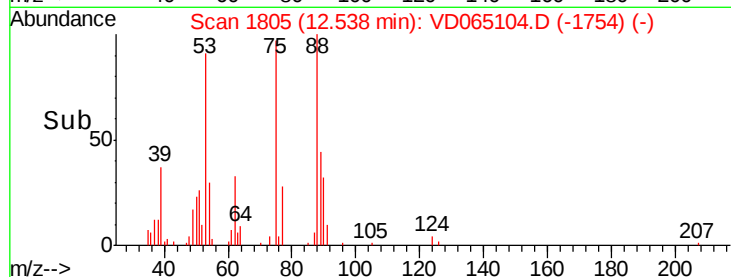
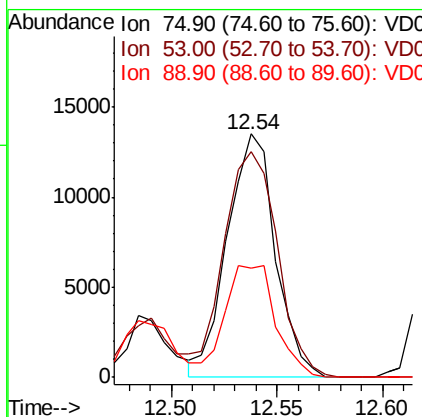
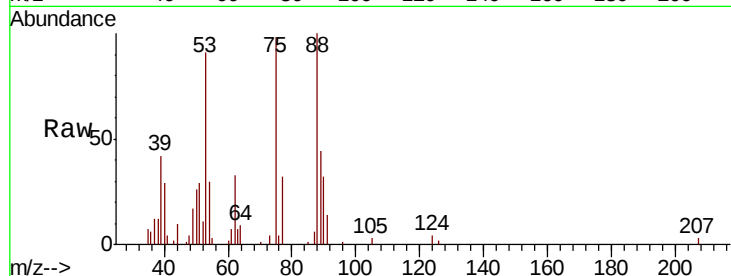




#81
trans-1,4-Dichloro-2-butene
Concen: 19.917 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

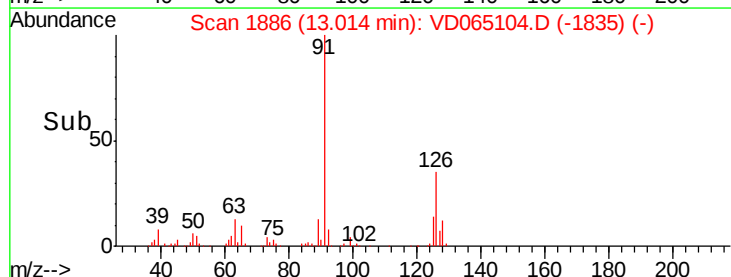
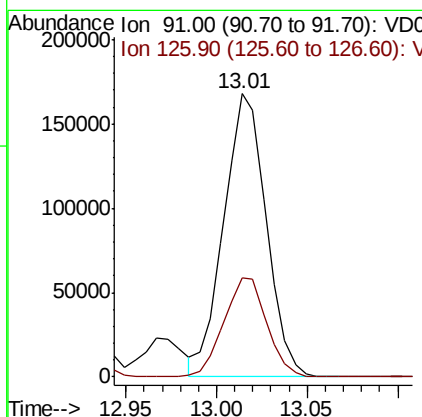
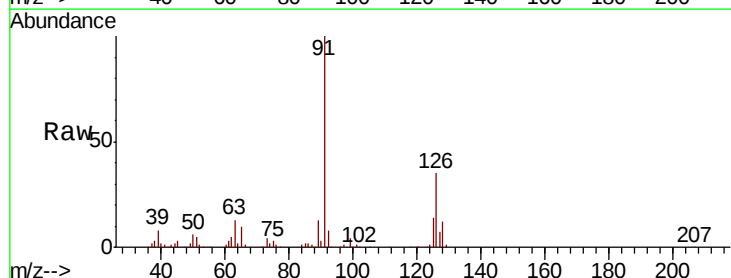
Instrument :
MSVOA_D
ClientSampled :

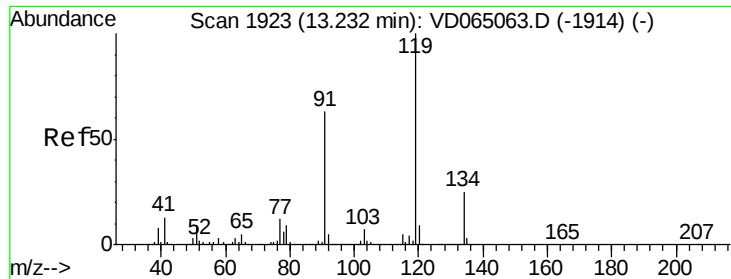
Tot Ion: 75 Resp: 21313
Ion Ratio Lower Upper
75 100
53 105.7 78.5 117.7
89 49.4 37.0 55.4



#82
4-Chlorotoluene
Concen: 20.544 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion: 91 Resp: 273258
Ion Ratio Lower Upper
91 100
126 35.4 17.5 52.5

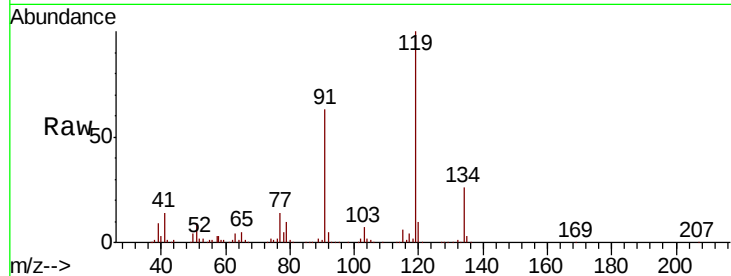




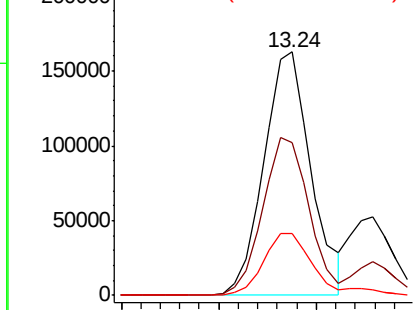
#83
 tert-Butylbenzene
 Concen: 19.934 ug/l
 RT: 13.24 min Scan# 1924
 Delta R.T. 0.01 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Instrument :
 MSVOA_D
 ClientSampleId :

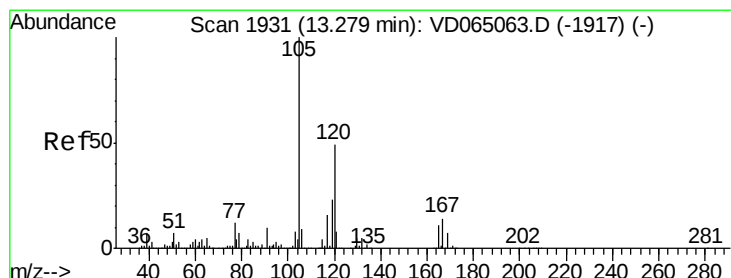
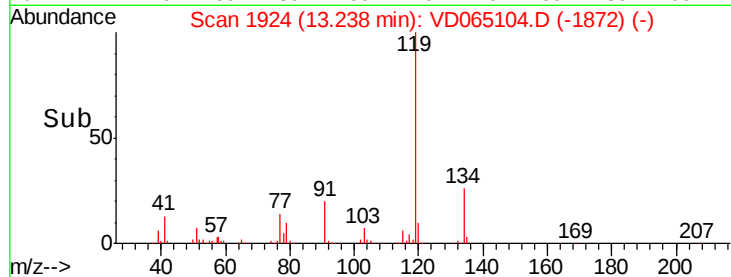
Tot Ion:119 Resp: 272973
 Ion Ratio Lower Upper
 119 100
 91 63.6 32.3 96.9
 134 27.6 13.8 41.3



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

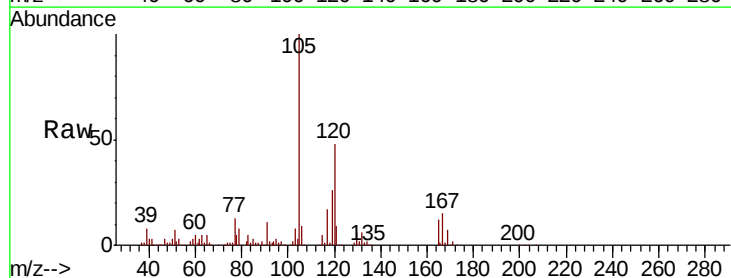


Time--> 13.15 13.20 13.25

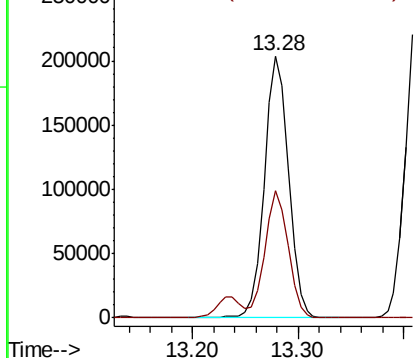


#84
 1,2,4-Trimethylbenzene
 Concen: 20.534 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

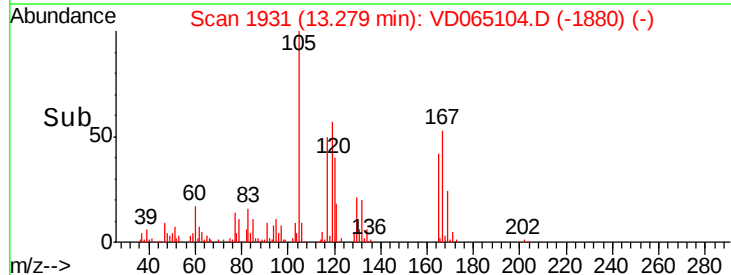
Tgt Ion:105 Resp: 323567
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.5 70.5

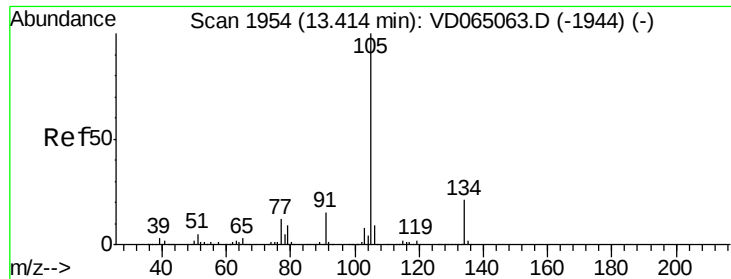


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V



Time--> 13.20 13.30





#85

sec-Butylbenzene

Concen: 20.474 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

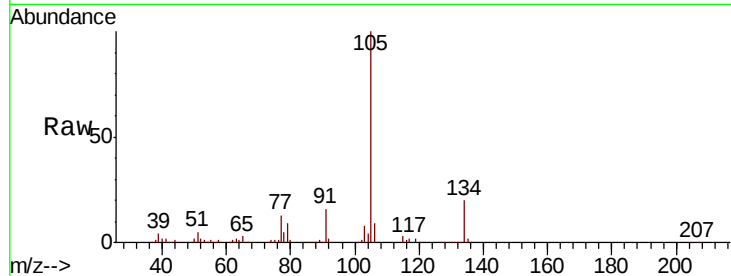
ClientSampled :

Tot Ion:105 Resp: 382917

Ion Ratio Lower Upper

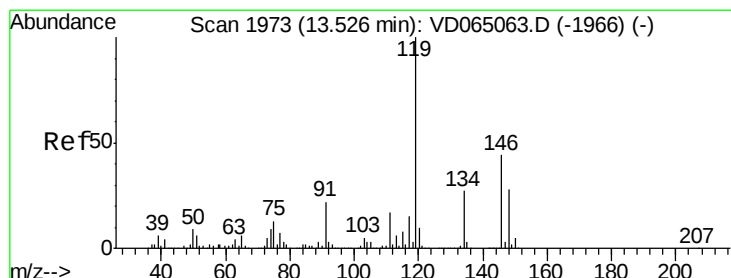
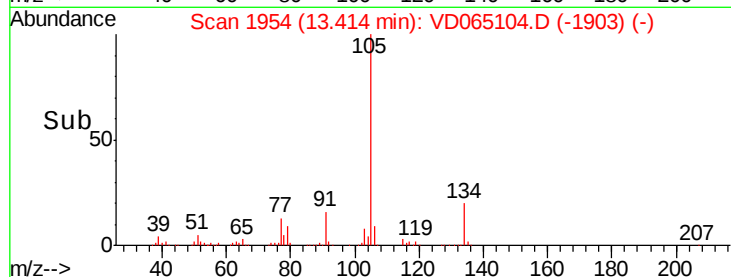
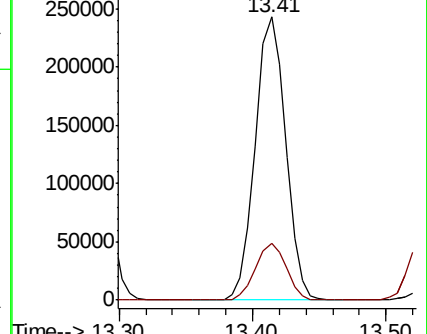
105 100

134 20.4 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.576 ug/l

RT: 13.53 min Scan# 1974

Delta R.T. 0.01 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

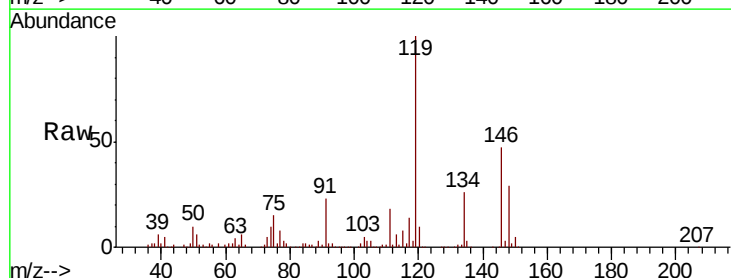
Tgt Ion:119 Resp: 357543

Ion Ratio Lower Upper

119 100

134 26.3 13.5 40.5

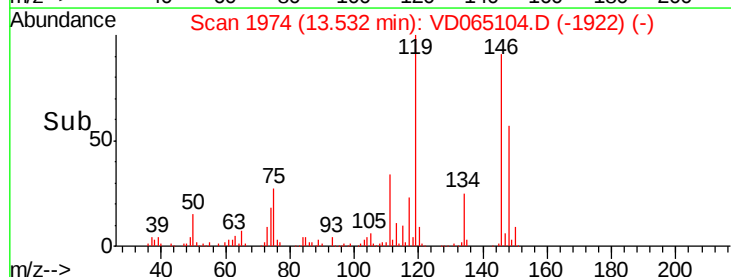
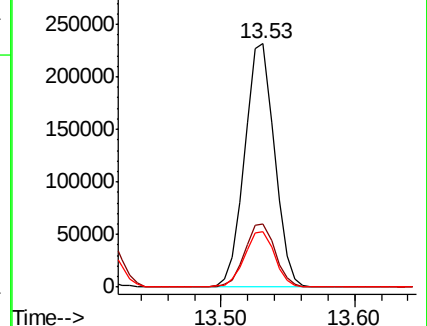
91 22.8 11.3 33.9

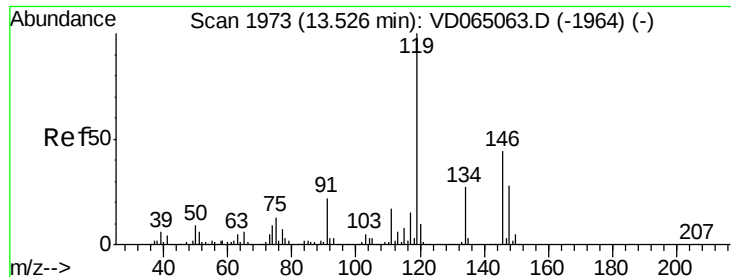


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.594 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065104.D

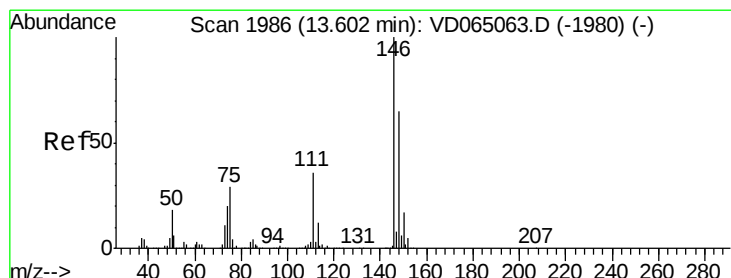
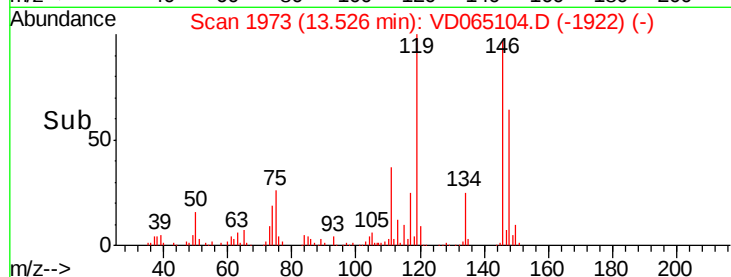
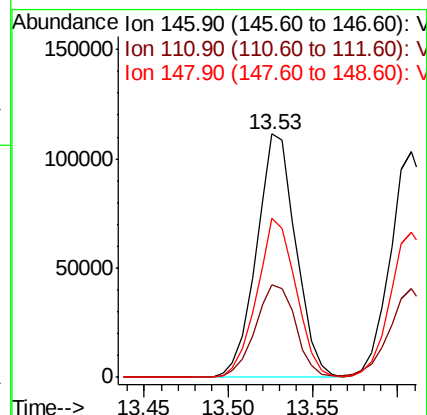
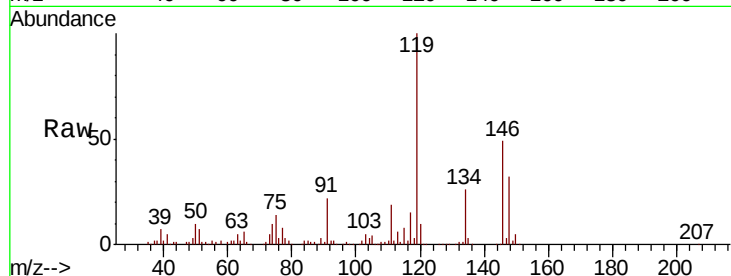
Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:146	Resp:	180237
Ion	Ratio	Lower Upper
146	100	
111	39.0	19.4 58.4
148	64.8	32.3 96.8



#88

1,4-Dichlorobenzene

Concen: 20.064 ug/l

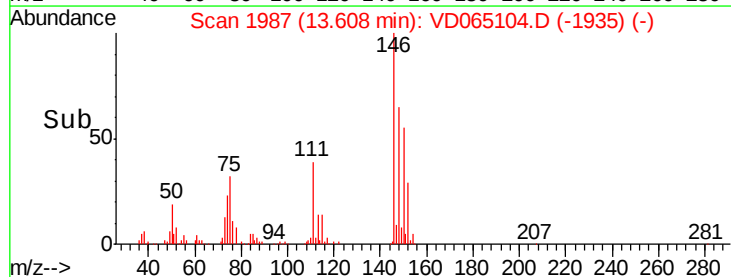
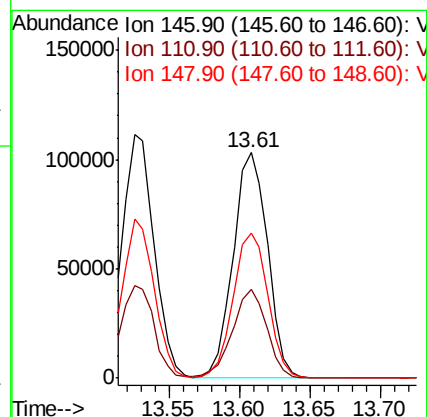
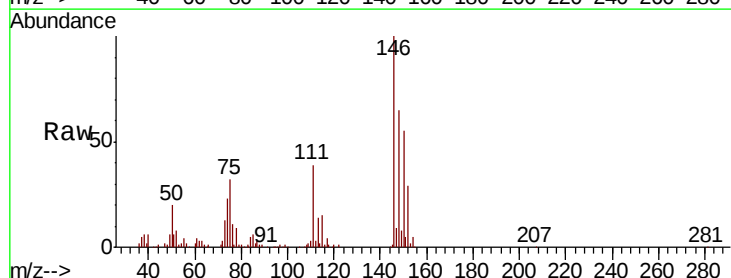
RT: 13.61 min Scan# 1987

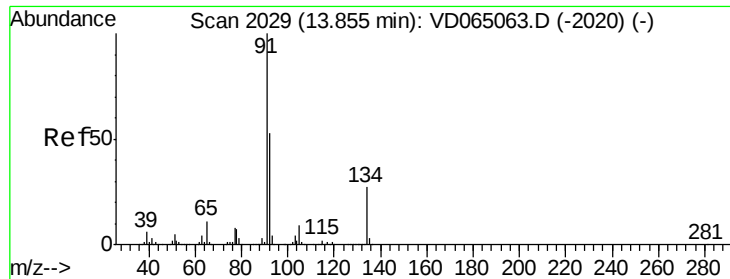
Delta R.T. 0.01 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Tgt Ion:146	Resp:	174775
Ion	Ratio	Lower Upper
146	100	
111	39.1	18.5 55.5
148	65.3	32.7 98.1

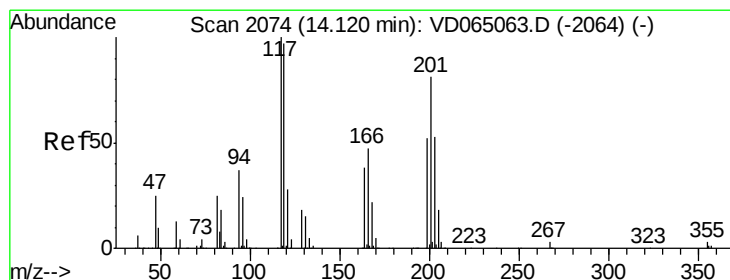
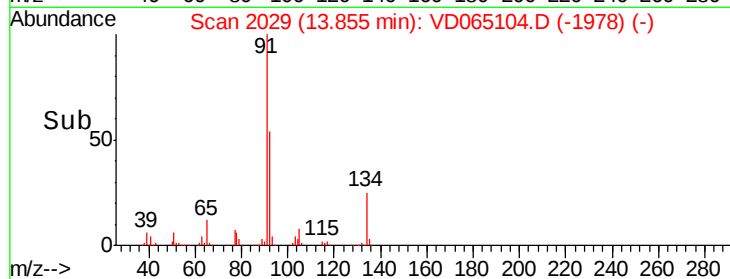
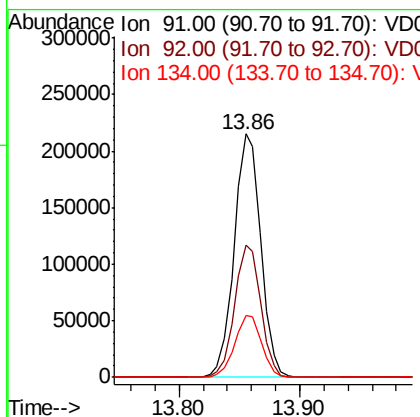
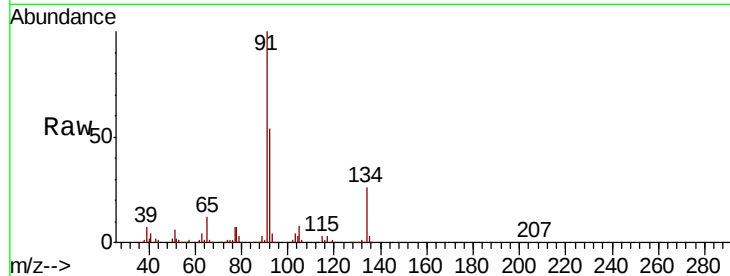




#89
n-Butylbenzene
Concen: 20.599 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

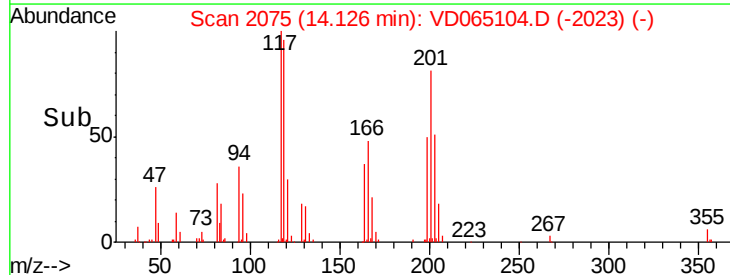
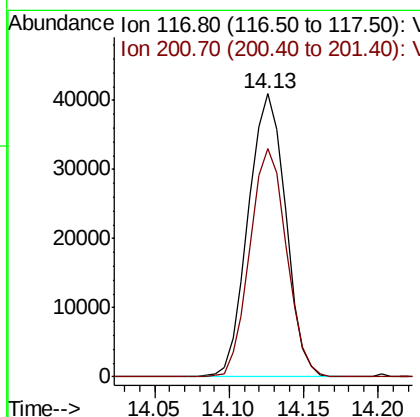
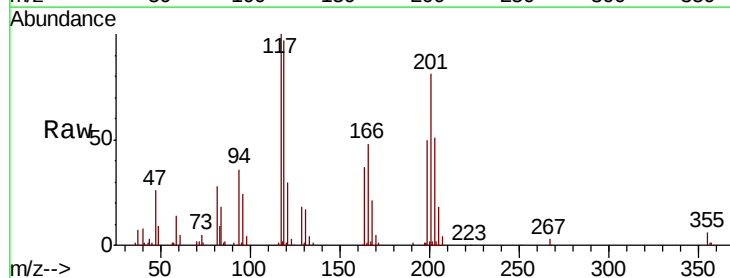
Instrument :
MSVOA_D
ClientSampled :

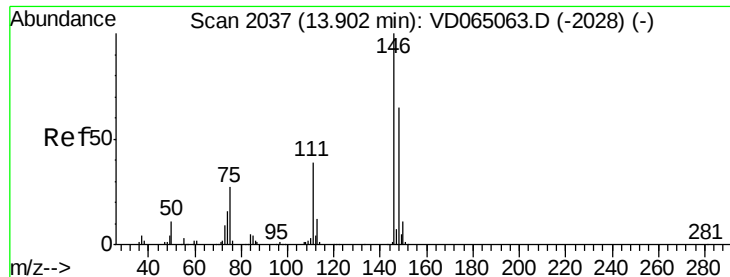
Tot Ion: 91 Resp: 330384
Ion Ratio Lower Upper
91 100
92 53.3 26.7 80.1
134 25.6 13.4 40.2



#90
Hexachloroethane
Concen: 21.586 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion: 117 Resp: 71030
Ion Ratio Lower Upper
117 100
201 79.1 42.5 127.6

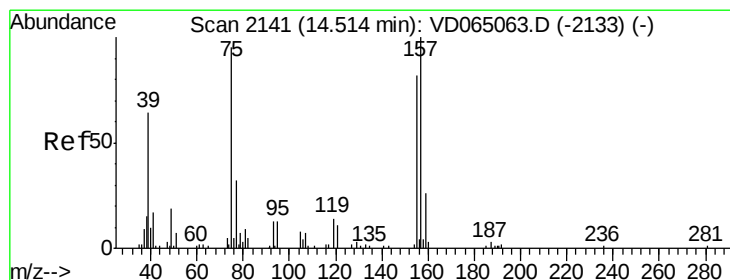
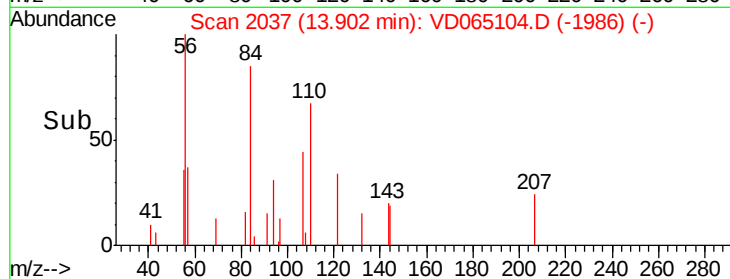
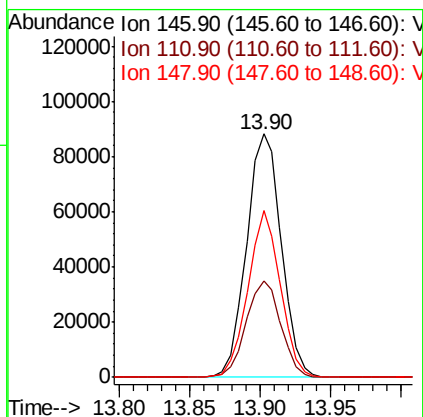
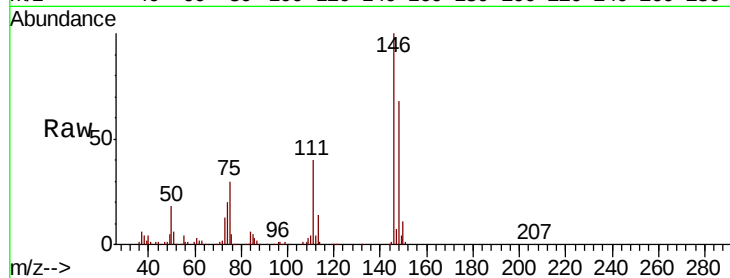




#91
 1,2-Dichlorobenzene
 Concen: 20.288 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

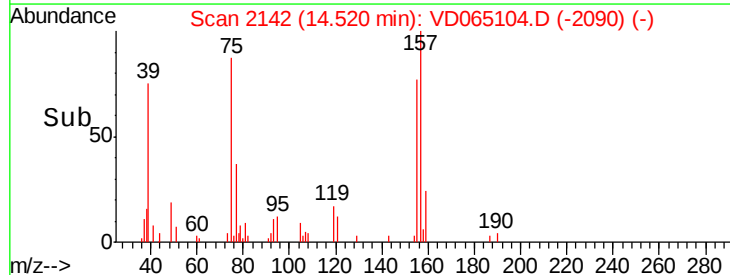
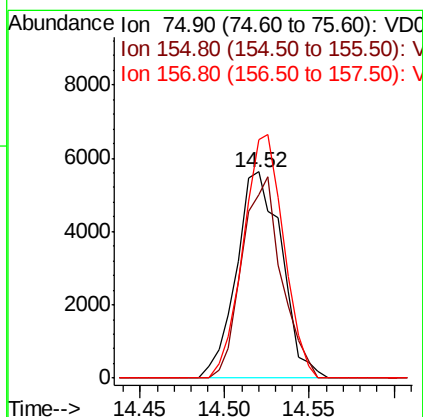
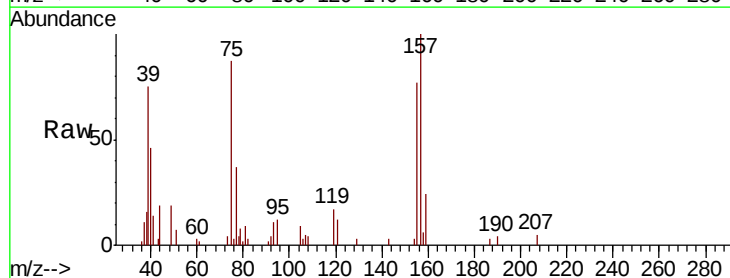
Instrument :
 MSVOA_D
 ClientSampleId :

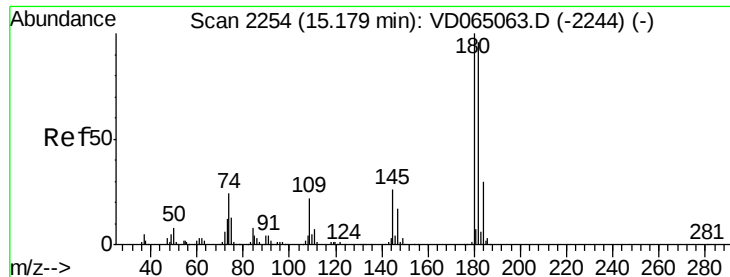
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.1
148	63.9	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.953 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.4	43.4	130.1
157	105.8	55.8	167.3

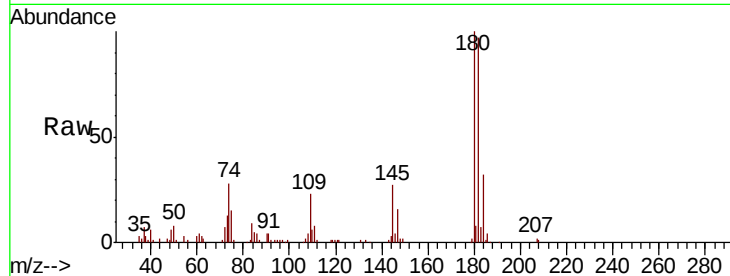




#93
 1,2,4-Trichlorobenzene
 Concen: 19.380 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.3
145	28.0	14.1	42.4

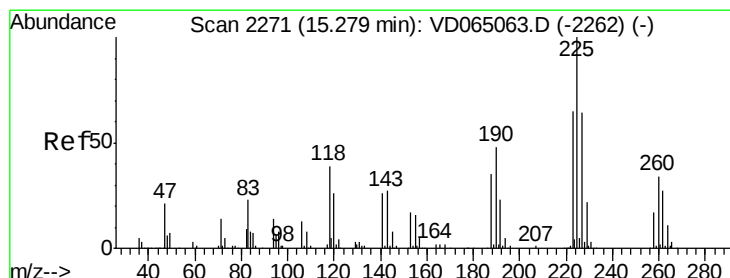
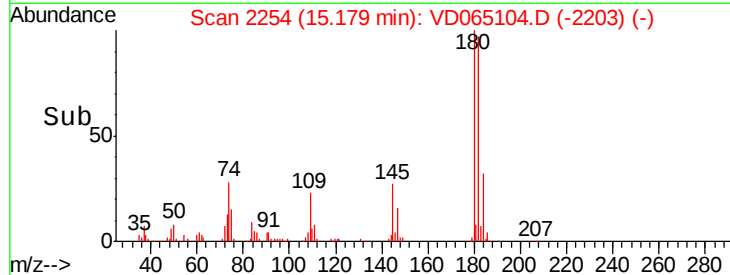
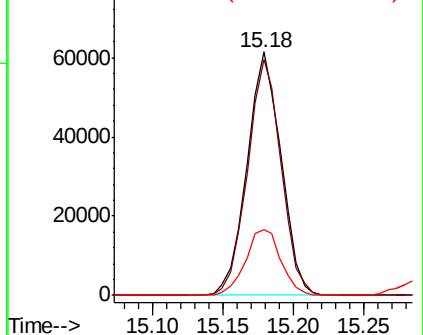


Abundance

Ion 179.80 (179.50 to 180.50): V

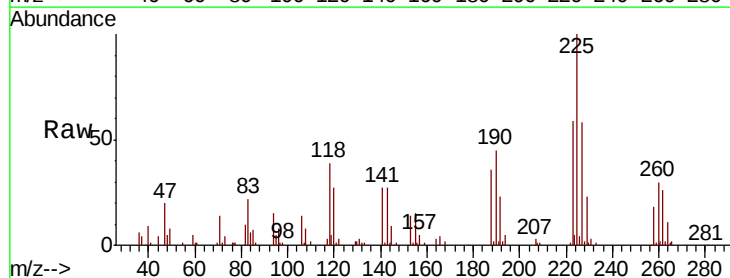
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.737 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.1	31.4	94.0
227	60.9	31.8	95.3

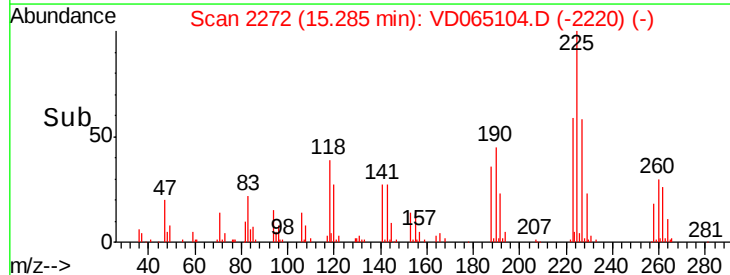
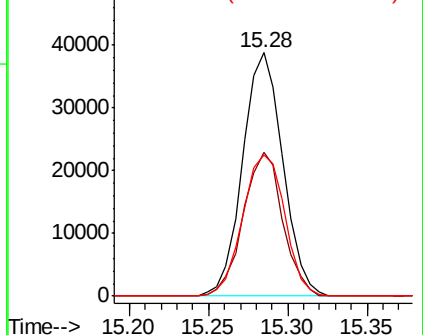


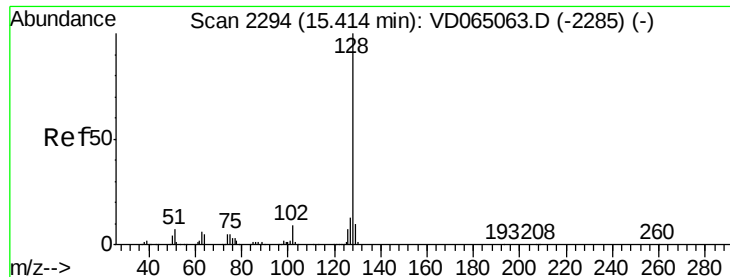
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

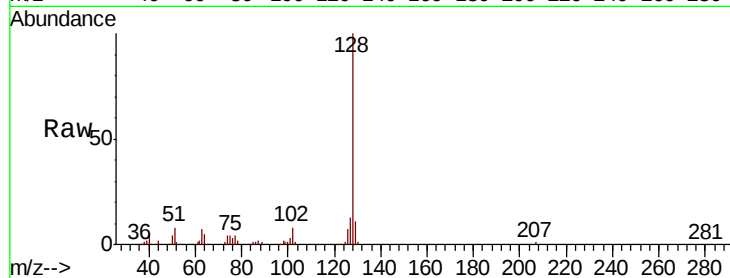




#95
Naphthalene
Concen: 17.560 ug/l
RT: 15.42 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	11.0	8.7	13.1

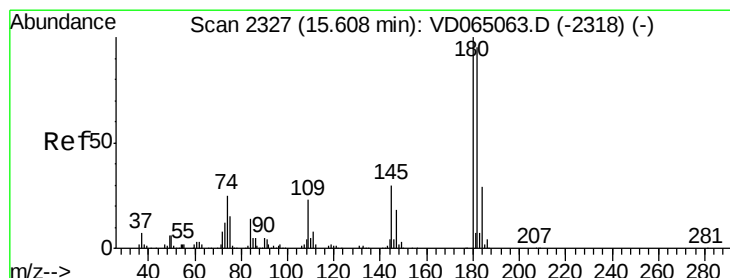
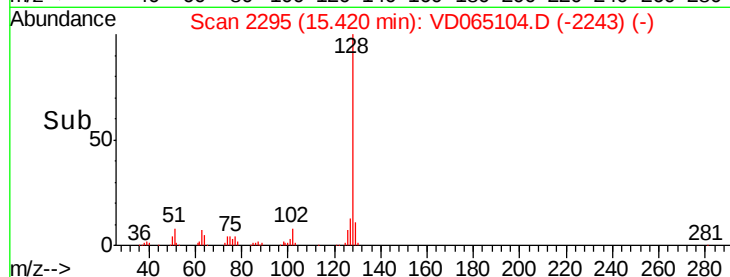
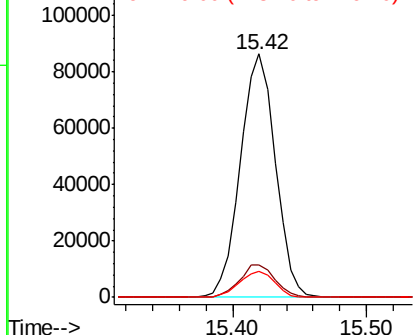


Abundance

Ion 128.00 (127.70 to 128.70): V

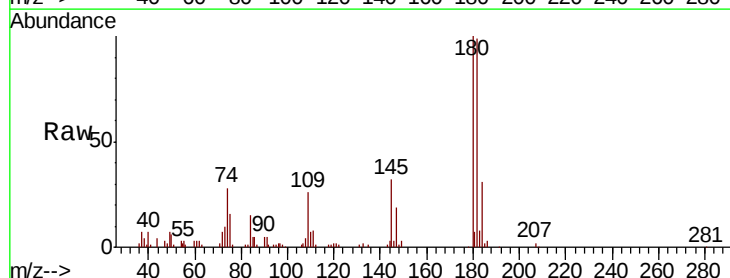
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.337 ug/l
RT: 15.61 min Scan# 2328
Delta R.T. 0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.1	141.4
145	30.7	14.9	44.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

