

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020720\
 Data File : VD065122.D
 Acq On : 07 Feb 2020 21:05
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 08 00:10:09 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	398249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	607421	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	563933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	280016	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	215654	63.71	ug/l	0.00
Spiked Amount			Recovery	=	127.42%	
35) Dibromofluoromethane	7.92	113	209961	61.95	ug/l	0.00
Spiked Amount			Recovery	=	123.90%	
50) Toluene-d8	10.34	98	802792	59.51	ug/l	0.00
Spiked Amount			Recovery	=	119.02%	
62) 4-Bromofluorobenzene	12.64	95	256609	60.04	ug/l	0.00
Spiked Amount			Recovery	=	120.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	165878	50.052	ug/l	98
3) Chloromethane	2.21	50	231218	59.268	ug/l	96
4) Vinyl Chloride	2.35	62	227030	55.027	ug/l	99
5) Bromomethane	2.77	94	142262	53.179	ug/l	99
6) Chloroethane	2.93	64	147482	57.626	ug/l	96
7) Trichlorofluoromethane	3.27	101	325025	54.132	ug/l	99
8) Diethyl Ether	3.71	74	100772	58.463	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	187448	51.068	ug/l	98
10) Methyl Iodide	4.30	142	214671	51.240	ug/l	98
11) Tert butyl alcohol	5.24	59	58277	281.796	ug/l	99
12) 1,1-Dichloroethene	4.06	96	181816	51.720	ug/l	99
13) Acrolein	3.93	56	69620	273.701	ug/l	97
14) Allyl chloride	4.71	41	314478	53.825	ug/l	99
15) Acrylonitrile	5.43	53	235086	311.958	ug/l	100
16) Acetone	4.17	43	187435	221.488	ug/l	98
17) Carbon Disulfide	4.40	76	604300	53.539	ug/l	99
18) Methyl Acetate	4.73	43	108633	61.442	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	457426	58.842	ug/l	96
20) Methylene Chloride	4.96	84	222064	60.416	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	216898	54.534	ug/l	94
22) Diisopropyl ether	6.37	45	667042	60.528	ug/l	96
23) Vinyl Acetate	6.31	43	1949056	317.302	ug/l	99
24) 1,1-Dichloroethane	6.27	63	382711	57.374	ug/l	99
25) 2-Butanone	7.22	43	295695	292.926	ug/l	100
26) 2,2-Dichloropropane	7.21	77	301404	50.411	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	237822	56.285	ug/l	98
28) Bromochloromethane	7.55	49	157348	62.227	ug/l	97
29) Tetrahydrofuran	7.57	42	197817	324.049	ug/l	98
30) Chloroform	7.71	83	389292	58.612	ug/l	99
31) Cyclohexane	7.98	56	329768	48.975	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	333647	53.927	ug/l	99
36) 1,1-Dichloropropene	8.11	75	294089	52.069	ug/l	99
37) Ethyl Acetate	7.30	43	142361	61.696	ug/l	99
38) Carbon Tetrachloride	8.10	117	301962	52.346	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	340691	48.869	ug/l	97
40) Benzene	8.36	78	872175	55.919	ug/l	98
41) Methacrylonitrile	7.53	41	64850	51.014	ug/l	89
42) 1,2-Dichloroethane	8.43	62	258920	58.260	ug/l	99
43) Isopropyl Acetate	8.46	43	261721	59.294	ug/l	99
44) Trichloroethene	9.11	130	230176	51.414	ug/l	97
45) 1,2-Dichloropropane	9.39	63	216879	57.996	ug/l	95
46) Dibromomethane	9.48	93	116114	59.089	ug/l	98
47) Bromodichloromethane	9.67	83	305075	58.921	ug/l	98
48) Methyl methacrylate	9.46	41	125415	59.046	ug/l	98
49) 1,4-Dioxane	9.47	88	28434	1221.672	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	689016	317.133	ug/l	100
52) Toluene	10.41	92	555138	55.766	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	290425	57.610	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	342091	56.738	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	161845	60.046	ug/l	96
56) Ethyl methacrylate	10.67	69	208314	61.083	ug/l	100
57) 1,3-Dichloropropane	10.95	76	277896	58.633	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	299918	274.012	ug/l	100
59) 2-Hexanone	10.99	43	462463	300.509	ug/l	99
60) Dibromochloromethane	11.15	129	207734	59.503	ug/l	99
61) 1,2-Dibromoethane	11.26	107	157379	59.756	ug/l	99
64) Tetrachloroethene	10.88	164	192368	47.473	ug/l	99
65) Chlorobenzene	11.68	112	585989	53.724	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	221996	55.145	ug/l	98
67) Ethyl Benzene	11.75	91	1050030	52.988	ug/l	97
68) m/p-Xylenes	11.86	106	805468	106.495	ug/l	98
69) o-Xylene	12.19	106	363101	53.311	ug/l	97
70) Styrene	12.20	104	669783	56.581	ug/l	99
71) Bromoform	12.37	173	123037	56.782	ug/l #	99
73) Isopropylbenzene	12.49	105	964318	50.175	ug/l	100
74) N-amyl acetate	12.30	43	241346	57.774	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	172033	56.874	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	231081	109.000	ug/l #	100
77) Bromobenzene	12.77	156	241495	52.152	ug/l	98
78) n-propylbenzene	12.83	91	1144149	50.834	ug/l	100
79) 2-Chlorotoluene	12.92	91	639405	50.965	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	803352	51.093	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	58719	55.393	ug/l	99
82) 4-Chlorotoluene	13.01	91	689586	52.335	ug/l	100
83) tert-Butylbenzene	13.23	119	686046	50.575	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	810610	51.929	ug/l	100
85) sec-Butylbenzene	13.41	105	926190	49.991	ug/l	100
86) p-Isopropyltoluene	13.53	119	887051	51.531	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	456825	52.691	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	449138	52.050	ug/l	99
89) n-Butylbenzene	13.86	91	802150	50.486	ug/l	100
90) Hexachloroethane	14.13	117	168173	51.593	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	398763	53.698	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27408	55.507	ug/l	96

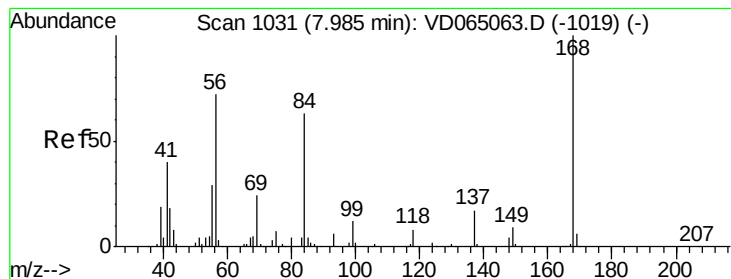
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	266194	50.153	ug/l	99
94) Hexachlorobutadiene	15.28	225	151727	46.492	ug/l	99
95) Naphthalene	15.41	128	471019	53.393	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	236762	52.151	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

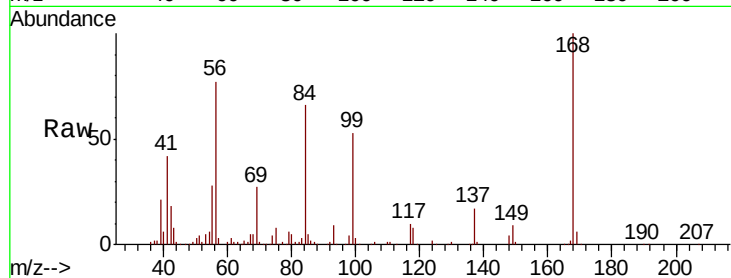
ClientSampleId :

Tot Ion:168 Resp: 398249

Ion Ratio Lower Upper

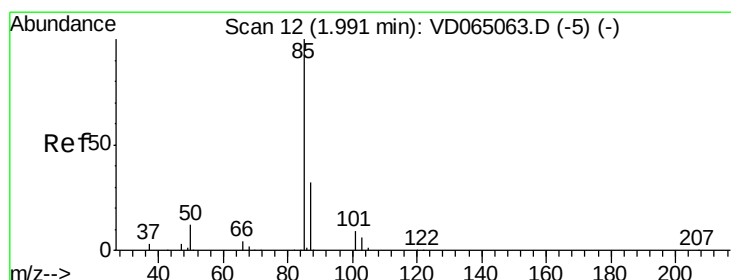
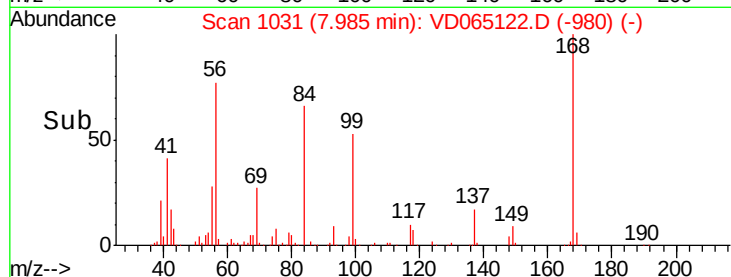
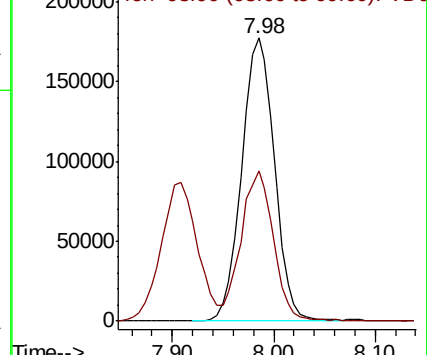
168 100

99 52.6 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 50.052 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065122.D

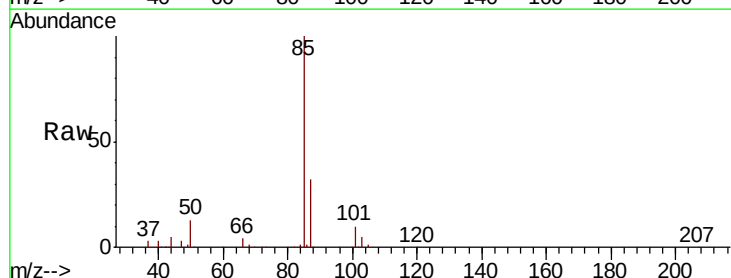
Acq: 07 Feb 2020 21:05

Tgt Ion: 85 Resp: 165878

Ion Ratio Lower Upper

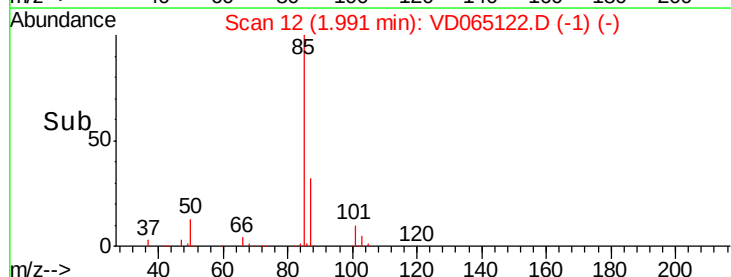
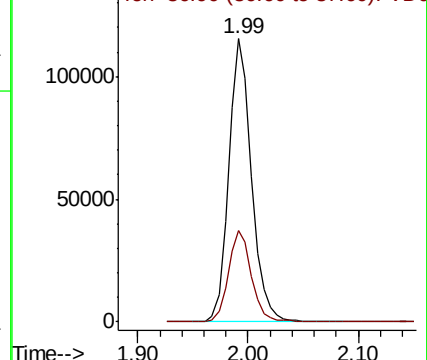
85 100

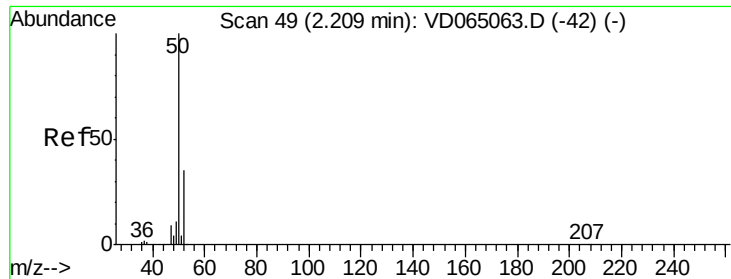
87 32.4 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 59.268 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

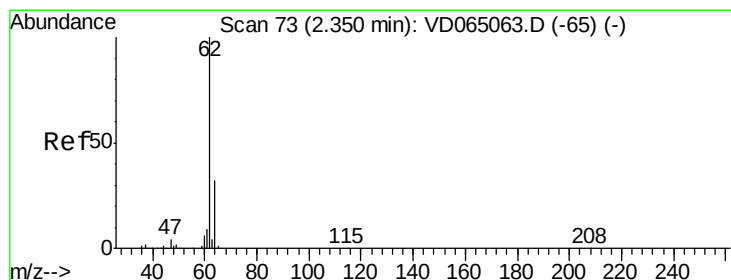
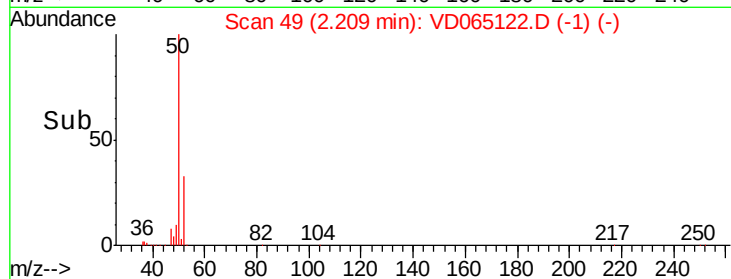
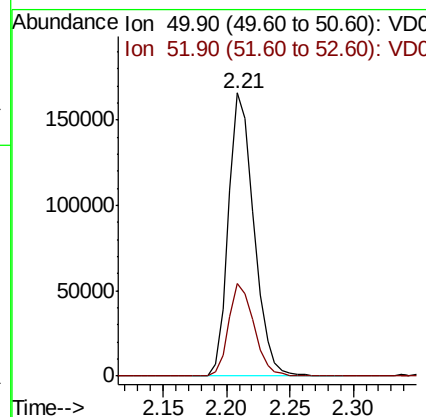
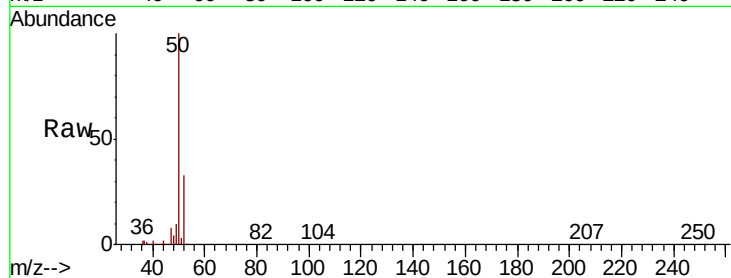
ClientSampleId :

Tot Ion: 50 Resp: 231218

Ion Ratio Lower Upper

50 100

52 32.5 27.8 41.6



#4

Vinyl Chloride

Concen: 55.027 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065122.D

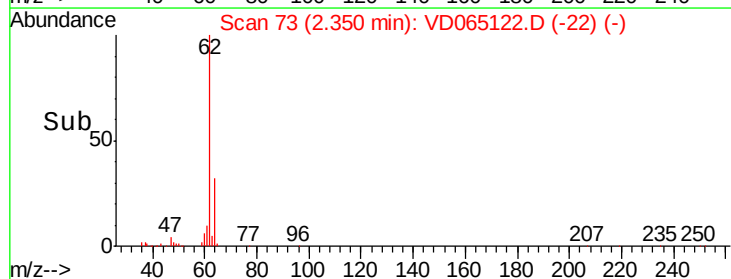
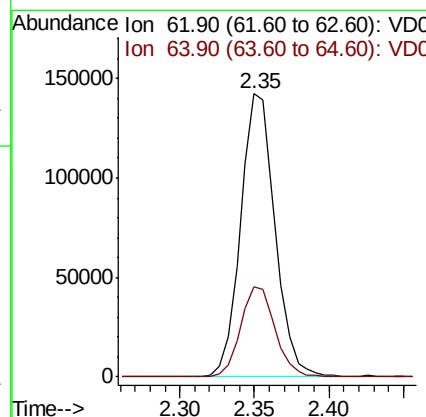
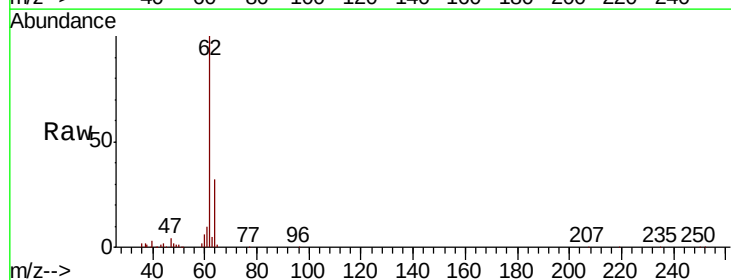
Acq: 07 Feb 2020 21:05

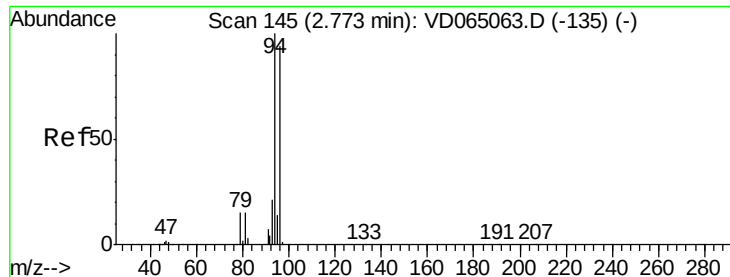
Tgt Ion: 62 Resp: 227030

Ion Ratio Lower Upper

62 100

64 31.6 25.9 38.9





#5

Bromomethane

Concen: 53.179 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

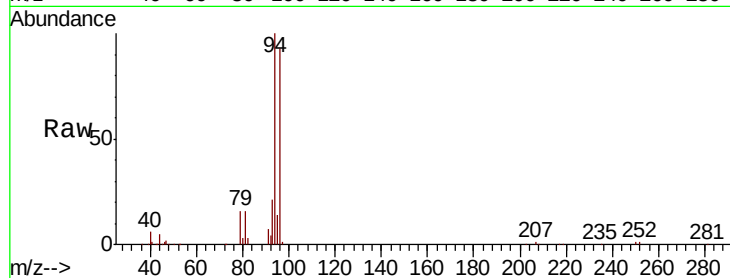
ClientSampleId :

Tot Ion: 94 Resp: 142262

Ion Ratio Lower Upper

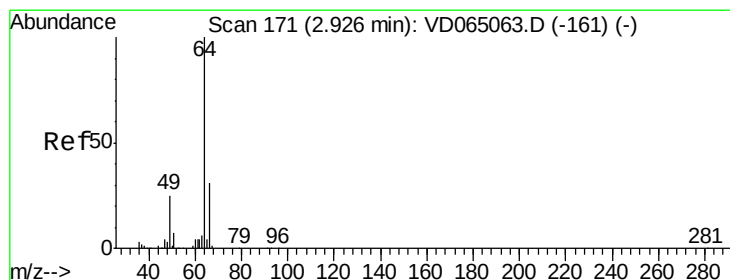
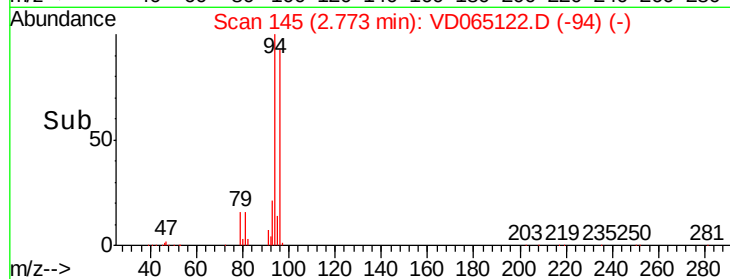
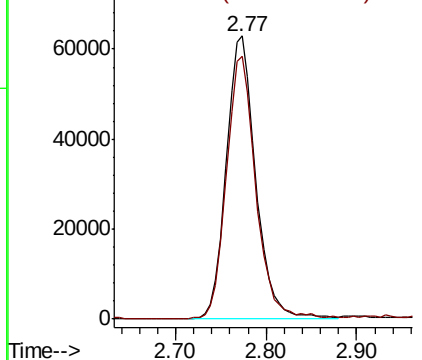
94 100

96 93.0 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 57.626 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065122.D

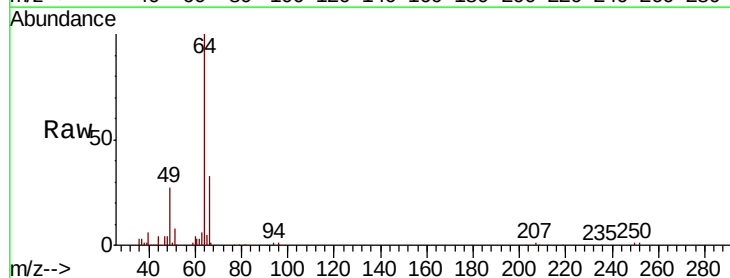
Acq: 07 Feb 2020 21:05

Tgt Ion: 64 Resp: 147482

Ion Ratio Lower Upper

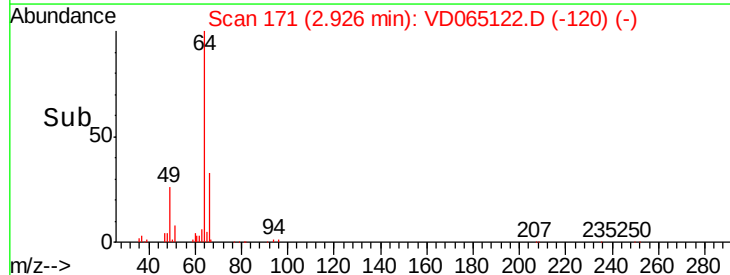
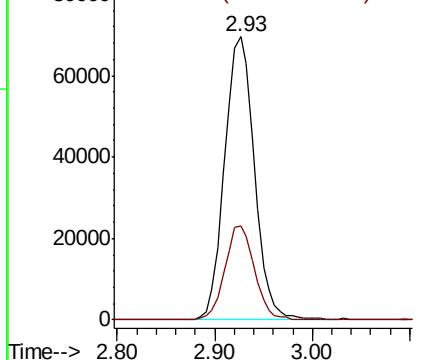
64 100

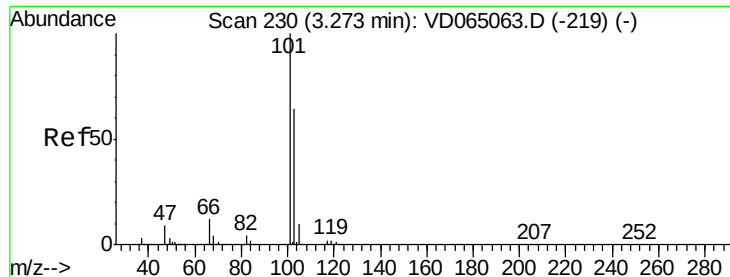
66 33.3 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



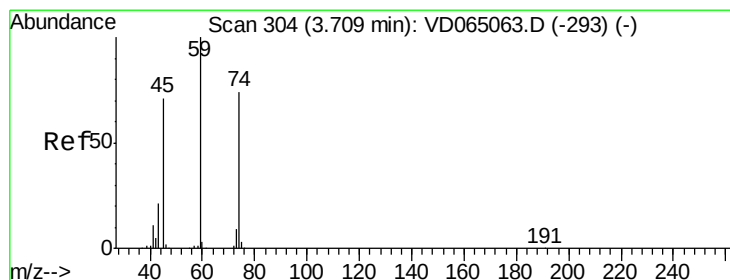
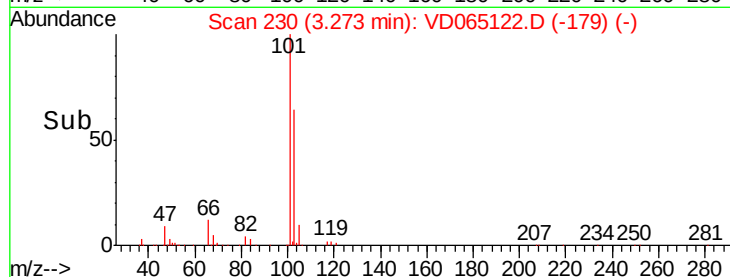
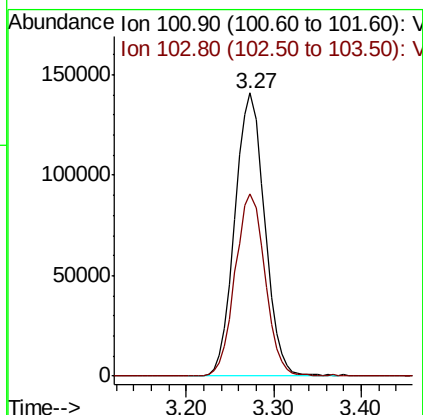
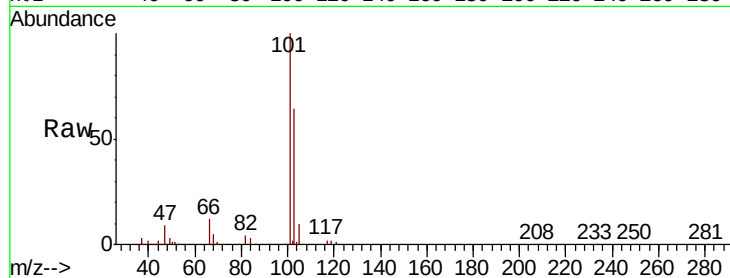


#7

Trichlorofluoromethane
Concen: 54.132 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Instrument :
MSVOA_D
ClientSampleId :

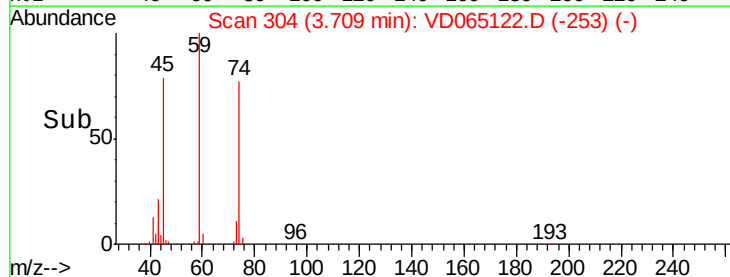
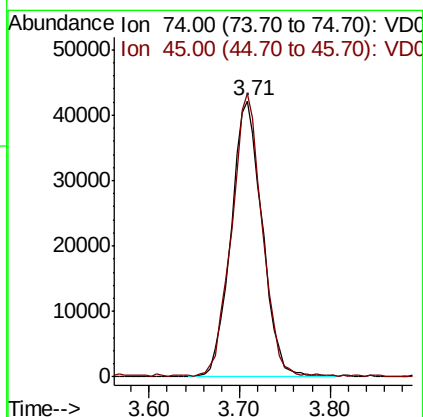
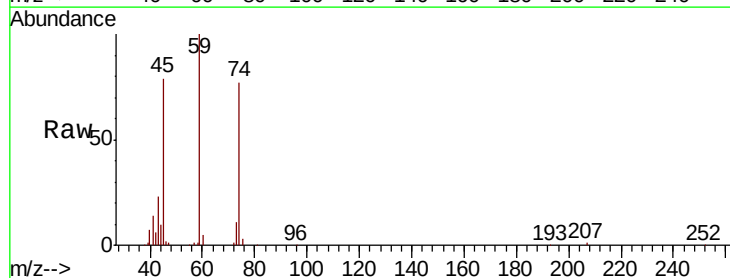
Tot Ion:101 Resp: 325025
Ion Ratio Lower Upper
101 100
103 64.3 51.0 76.6

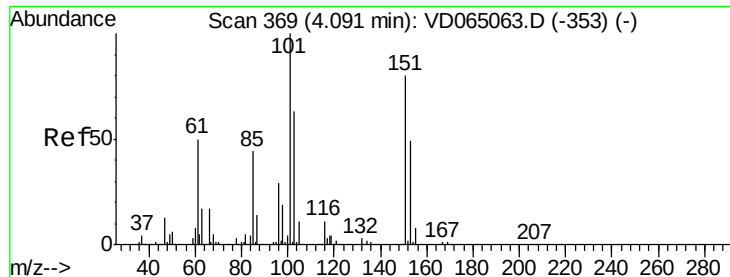


#8

Diethyl Ether
Concen: 58.463 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion: 74 Resp: 100772
Ion Ratio Lower Upper
74 100
45 100.9 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.068 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

ClientSampleId :

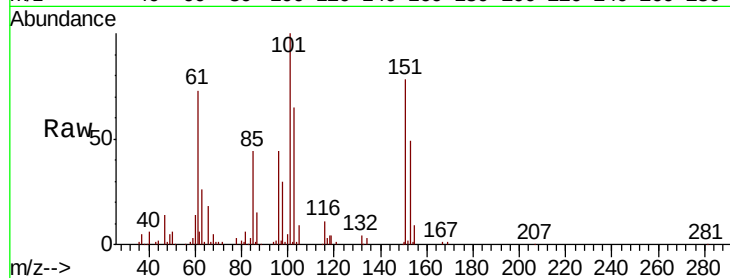
Tot Ion:101 Resp: 187448

Ion Ratio Lower Upper

101 100

85 43.0 34.0 51.0

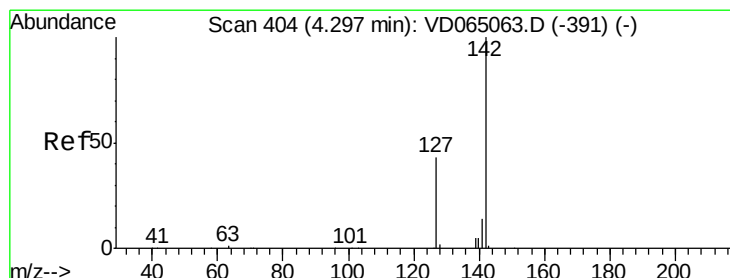
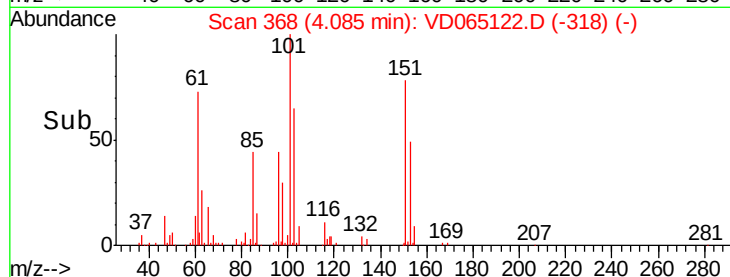
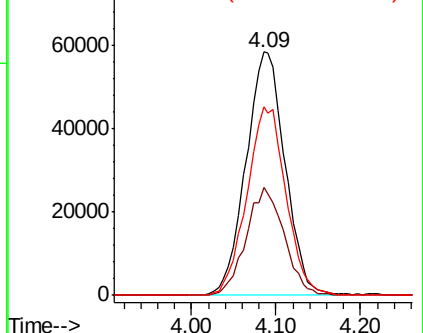
151 77.8 64.0 96.0



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: 51.240 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

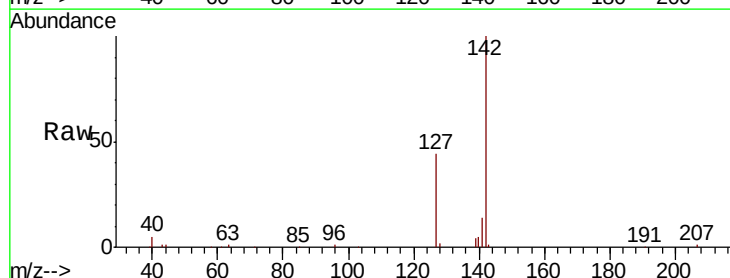
Tgt Ion:142 Resp: 214671

Ion Ratio Lower Upper

142 100

127 43.8 34.0 51.0

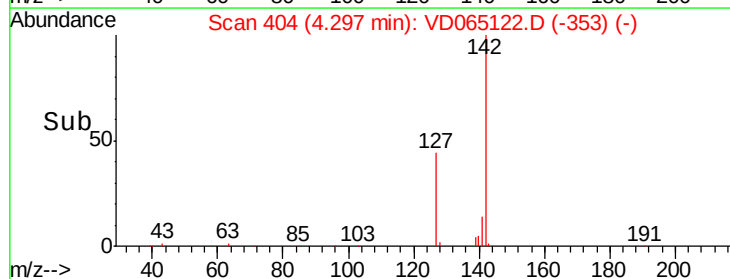
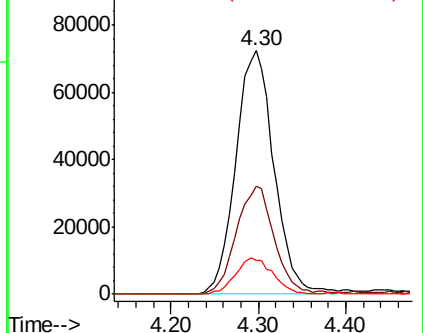
141 14.5 11.6 17.4

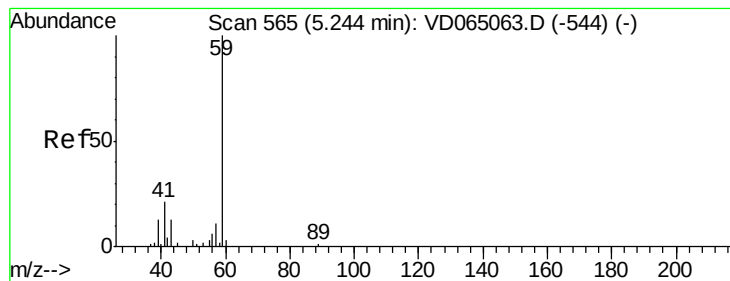


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



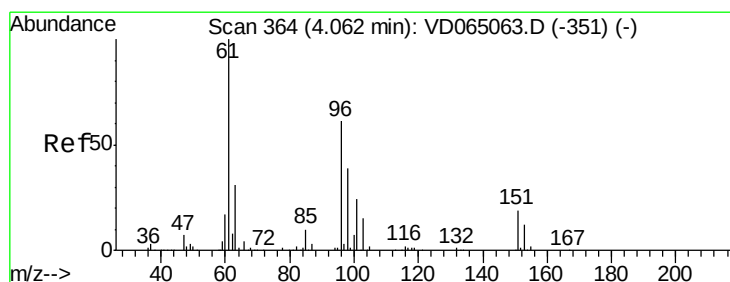
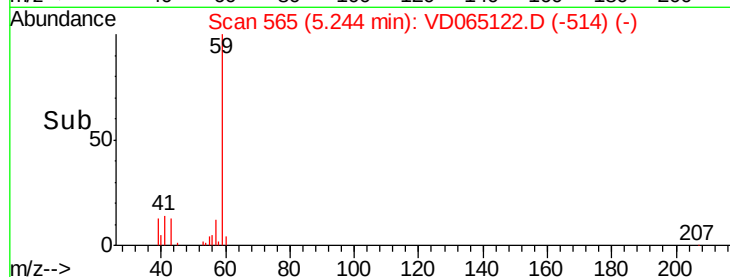
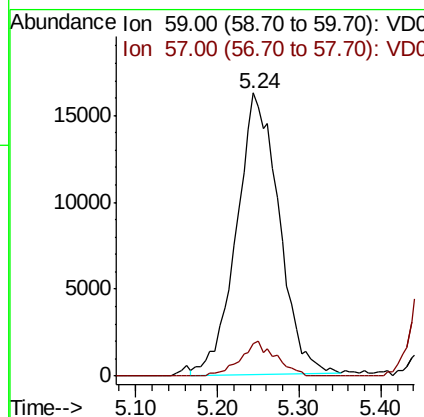
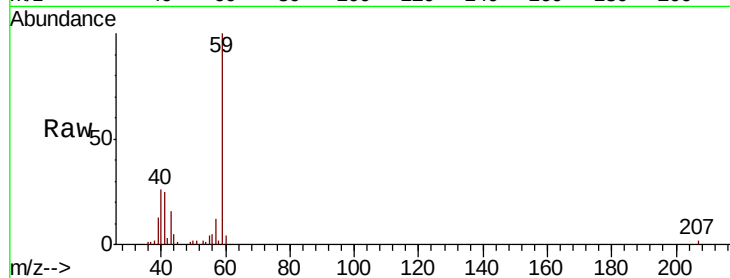


#11

Tert butyl alcohol
 Concen: 281.796 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

Instrument :
 MSVOA_D
 ClientSampleId :

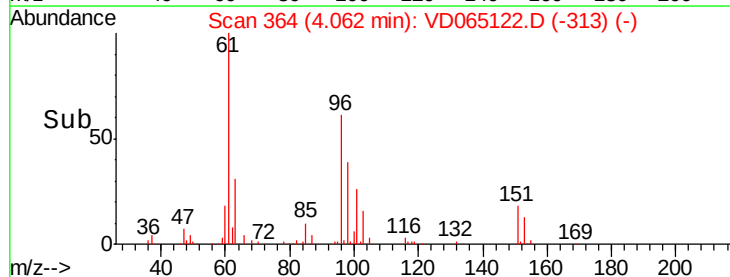
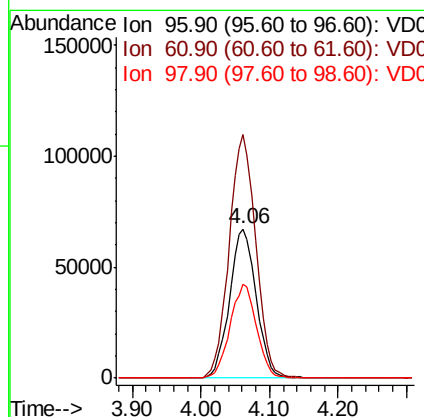
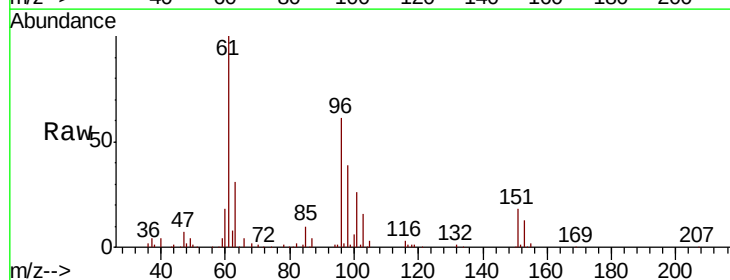
Tot Ion: 59 Resp: 58277
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.8 13.2

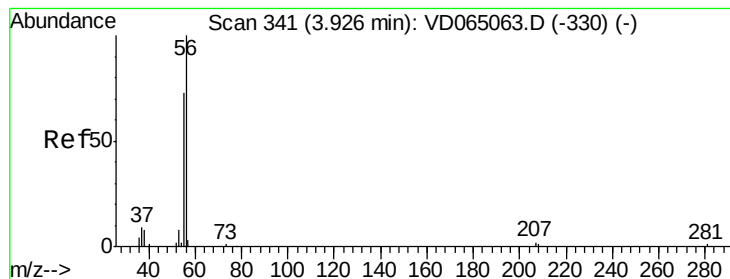


#12

1,1-Dichloroethene
 Concen: 51.720 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

Tgt Ion: 96 Resp: 181816
 Ion Ratio Lower Upper
 96 100
 61 163.4 131.4 197.2
 98 63.2 51.1 76.7





#13

Acrolein

Concen: 273.701 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

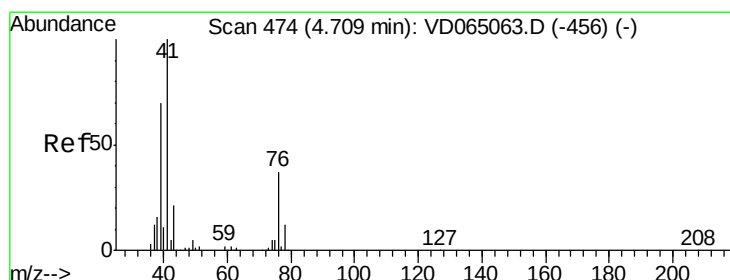
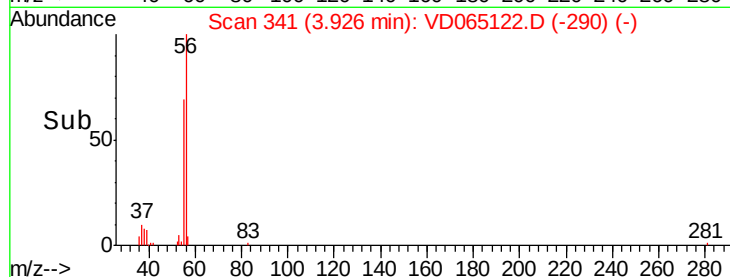
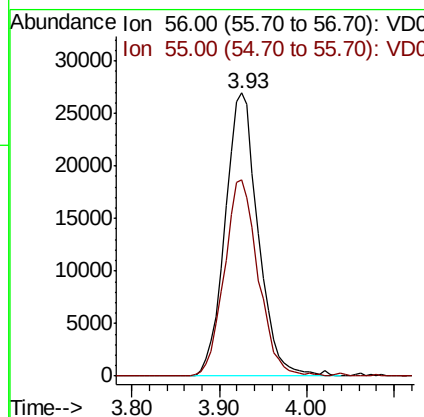
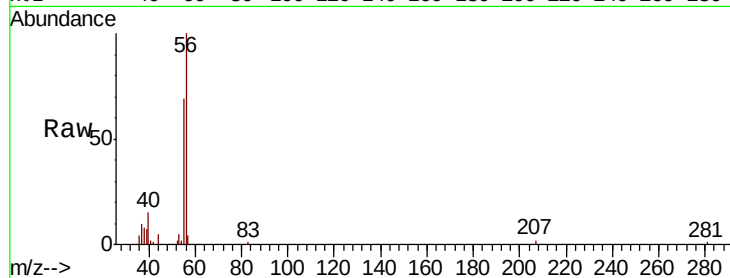
ClientSampled :

Tot Ion: 56 Resp: 69620

Ion Ratio Lower Upper

56 100

55 70.5 58.2 87.2



#14

Allyl chloride

Concen: 53.825 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

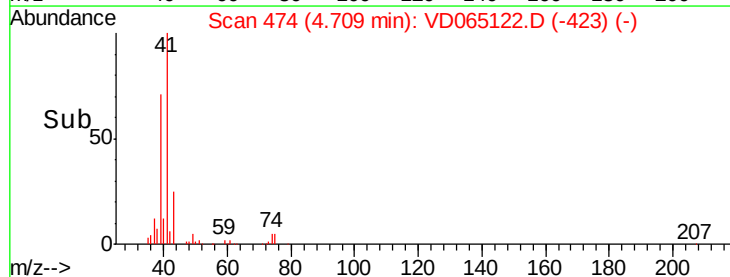
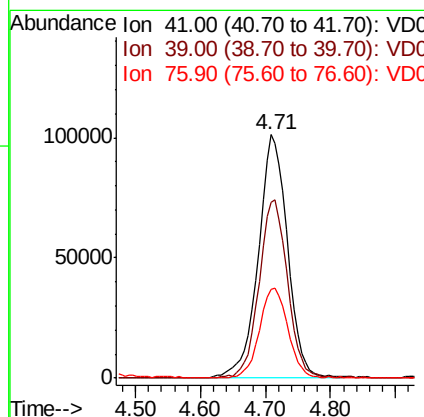
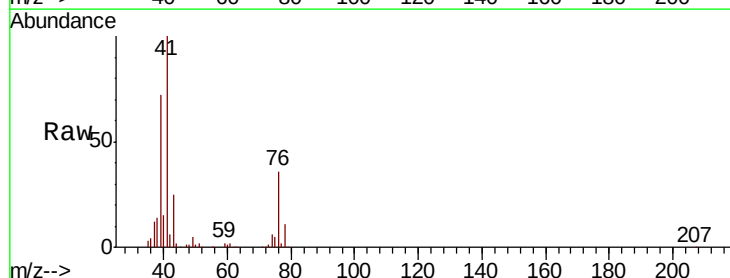
Tgt Ion: 41 Resp: 314478

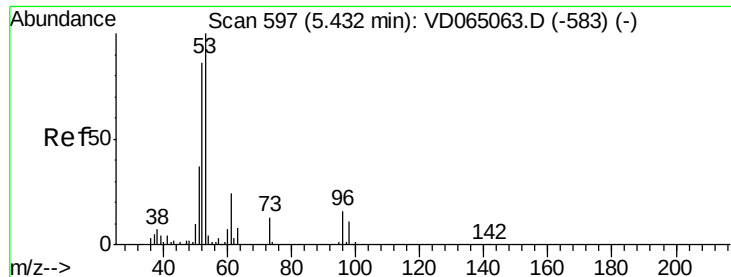
Ion Ratio Lower Upper

41 100

39 71.8 57.1 85.7

76 36.3 28.0 42.0





#15

Acrylonitrile

Concen: 311.958 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

ClientSampleId :

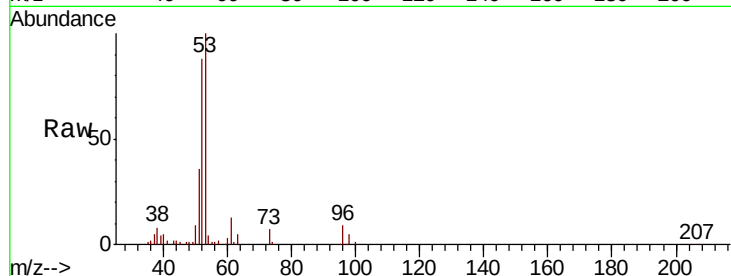
Tot Ion: 53 Resp: 235086

Ion Ratio Lower Upper

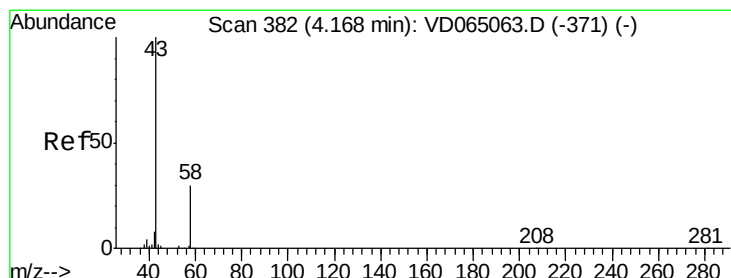
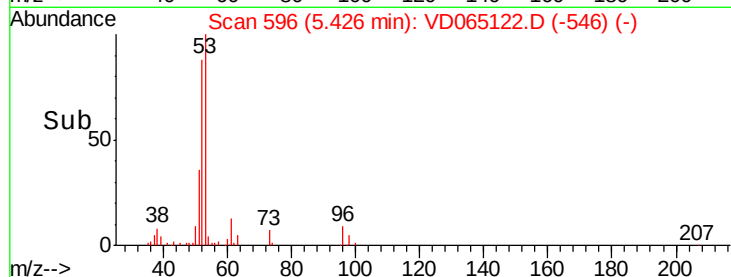
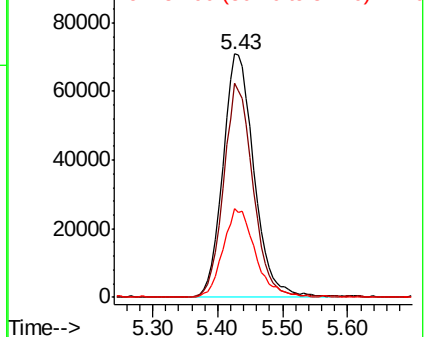
53 100

52 82.4 66.2 99.2

51 37.6 30.4 45.6



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 221.488 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065122.D

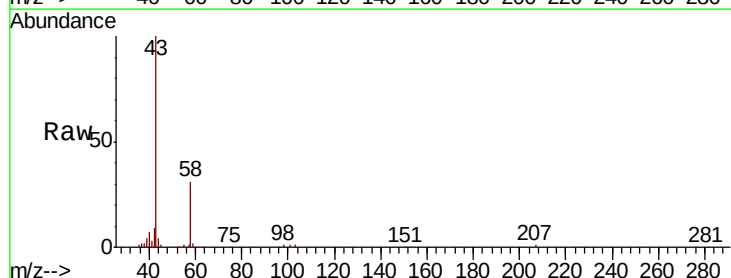
Acq: 07 Feb 2020 21:05

Tgt Ion: 43 Resp: 187435

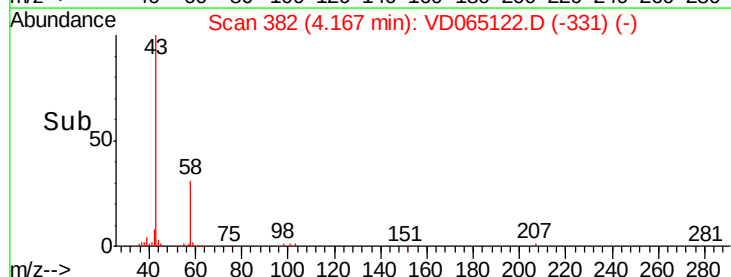
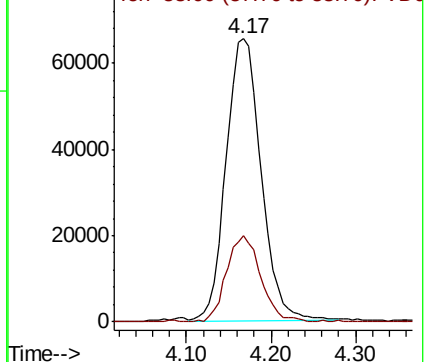
Ion Ratio Lower Upper

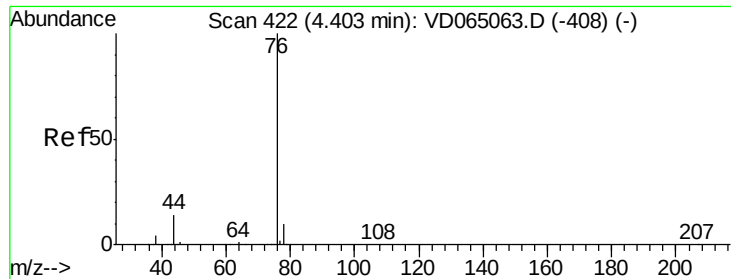
43 100

58 30.5 23.5 35.3



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





#17

Carbon Disulfide

Concen: 53.539 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

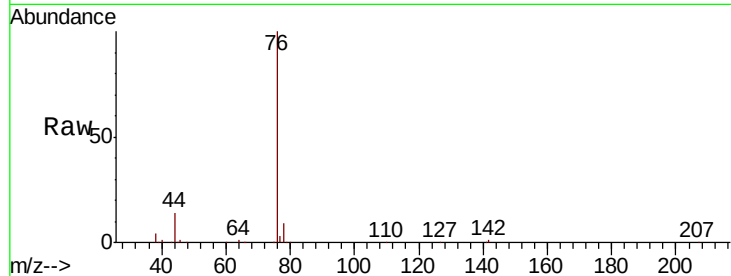
ClientSampleId :

Tot Ion: 76 Resp: 604300

Ion Ratio Lower Upper

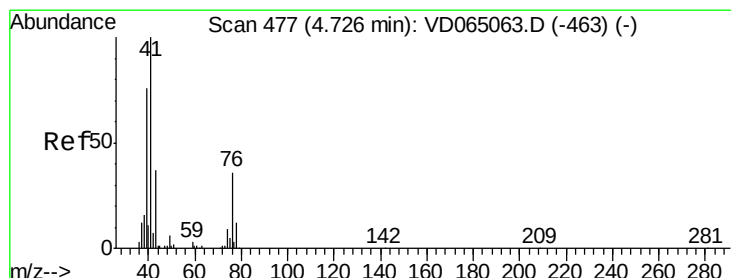
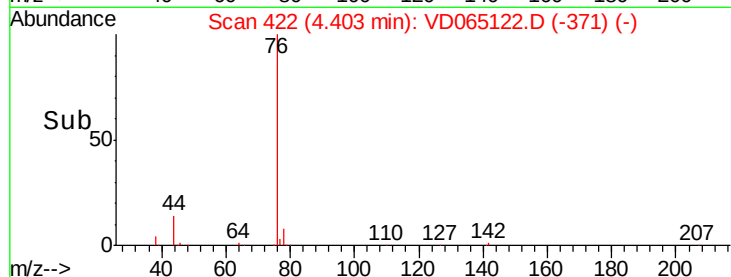
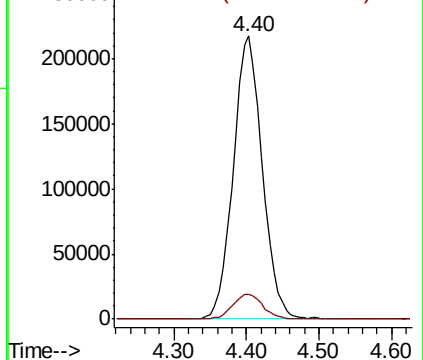
76 100

78 9.0 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 61.442 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD065122.D

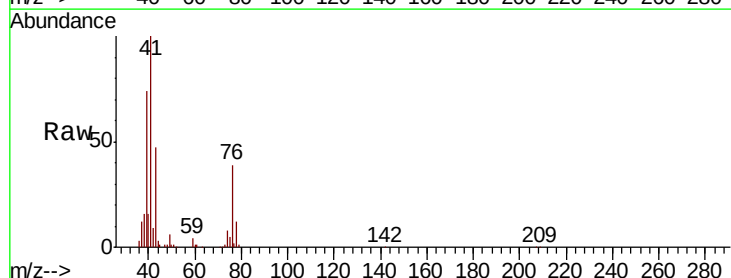
Acq: 07 Feb 2020 21:05

Tgt Ion: 43 Resp: 108633

Ion Ratio Lower Upper

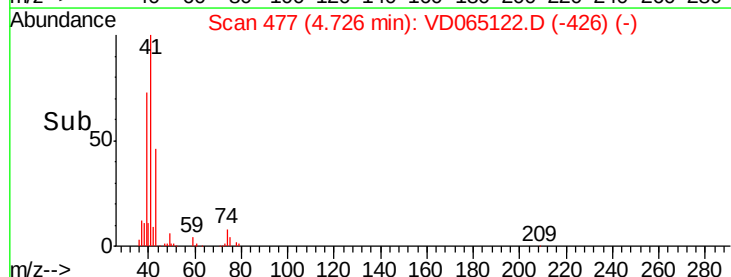
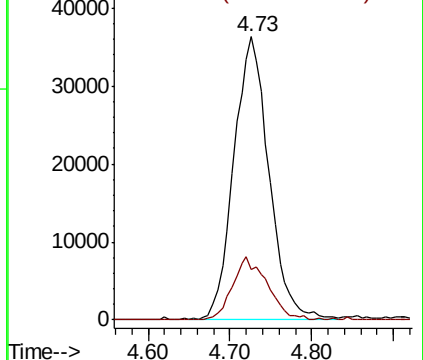
43 100

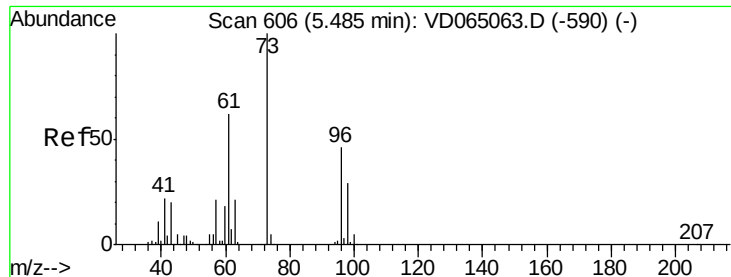
74 21.9 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

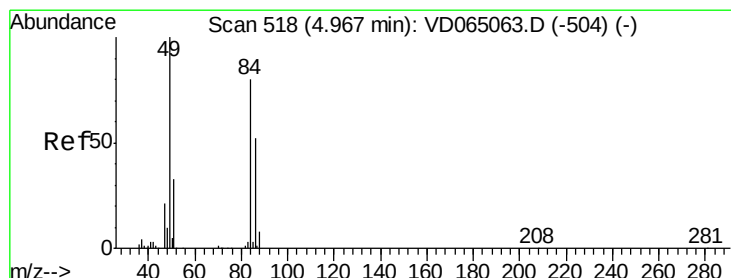
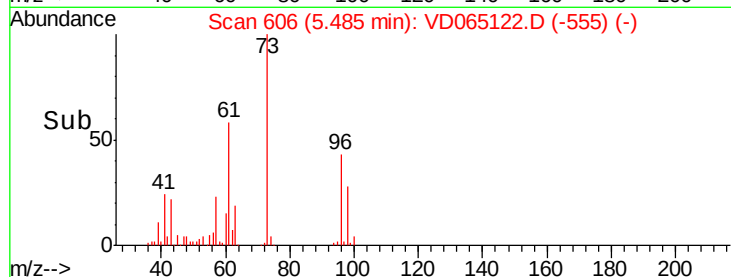
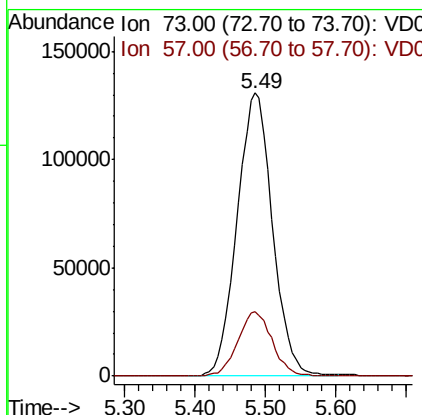
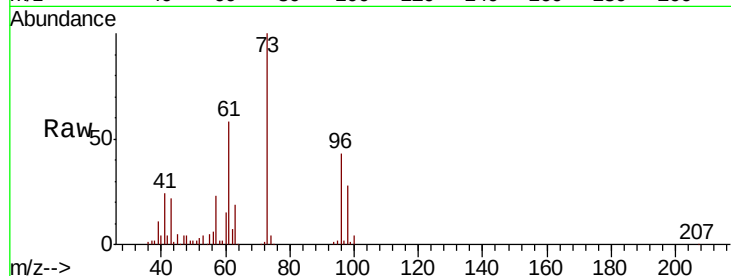




#19
Methyl tert-butyl Ether
Concen: 58.842 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

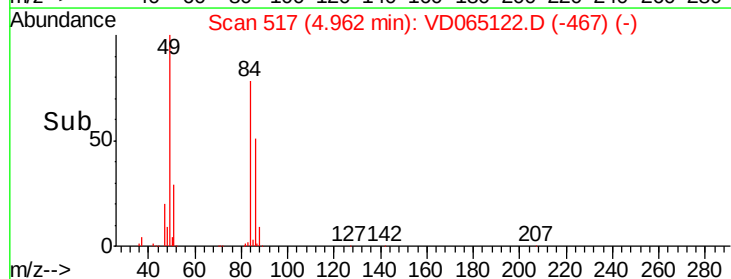
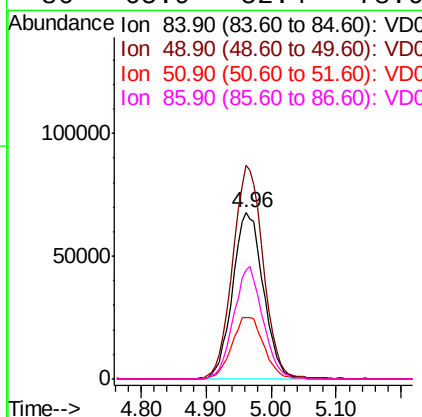
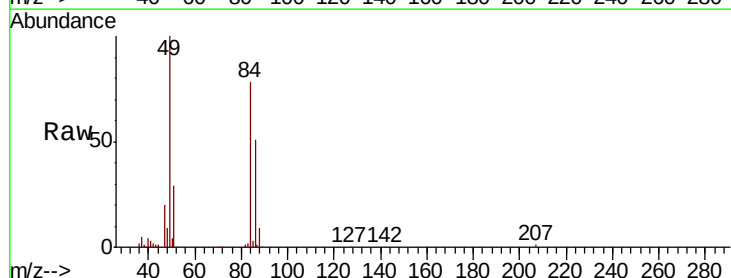
Instrument :
MSVOA_D
ClientSampleID :

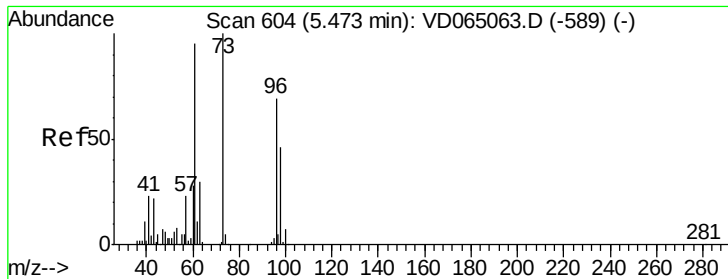
Tot Ion: 73 Resp: 457426
Ion Ratio Lower Upper
73 100
57 22.8 16.8 25.2



#20
Methylene Chloride
Concen: 60.416 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion: 84 Resp: 222064
Ion Ratio Lower Upper
84 100
49 128.8 100.4 150.6
51 36.9 32.7 49.1
86 65.9 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 54.534 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

ClientSampled :

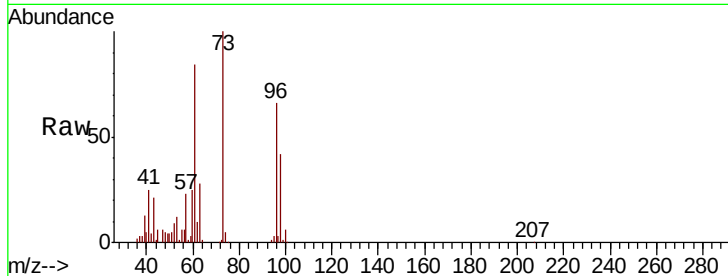
Tot Ion: 96 Resp: 216898

Ion Ratio Lower Upper

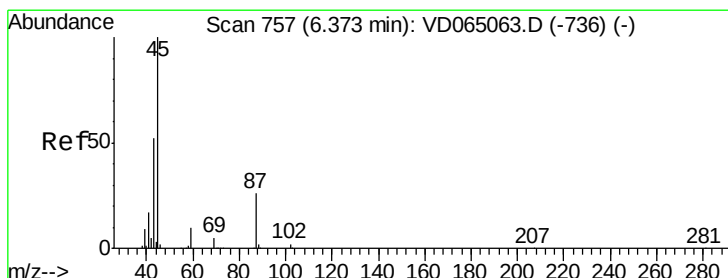
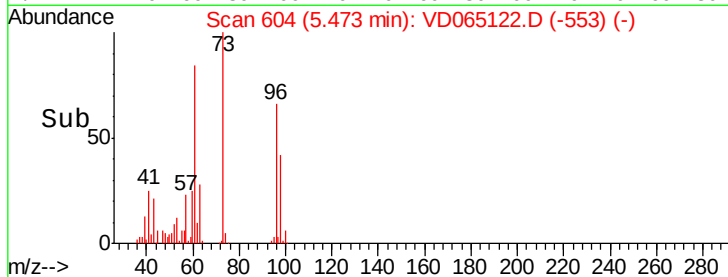
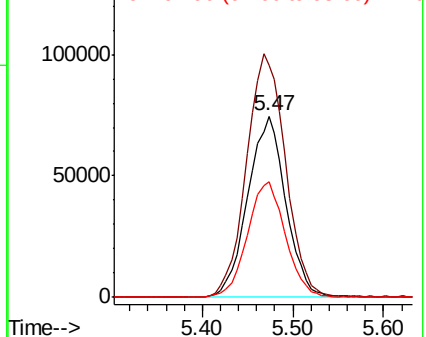
96 100

61 128.3 109.5 164.3

98 63.6 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: 60.528 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Tgt Ion: 45 Resp: 667042

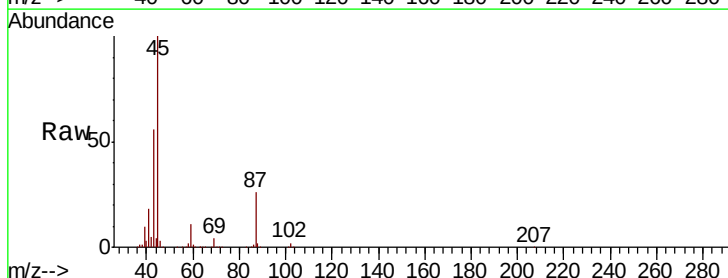
Ion Ratio Lower Upper

45 100

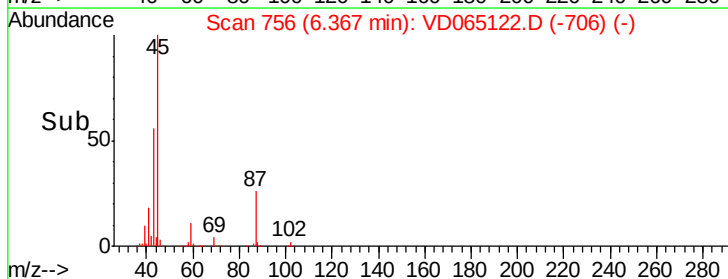
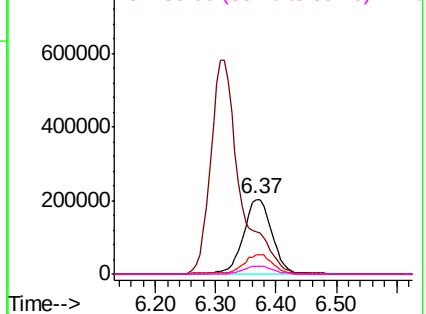
43 55.5 41.3 61.9

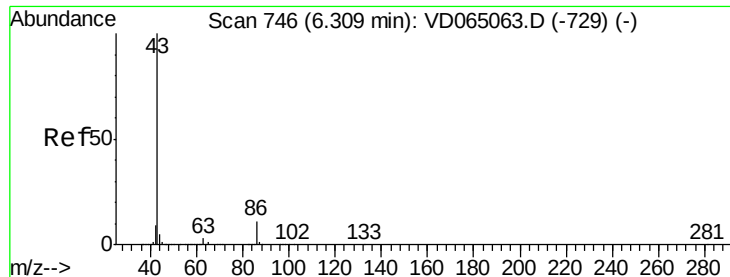
87 25.4 21.0 31.6

59 11.2 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: 317.302 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

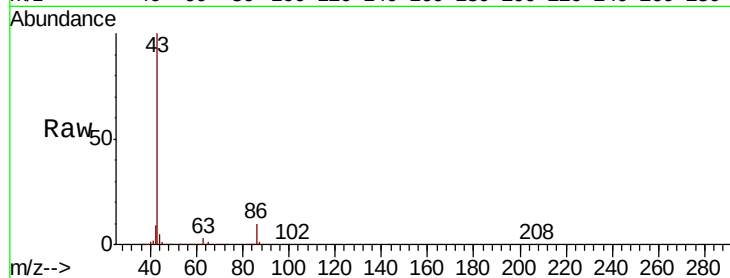
ClientSampled :

Tot Ion: 43 Resp: 1949056

Ion Ratio Lower Upper

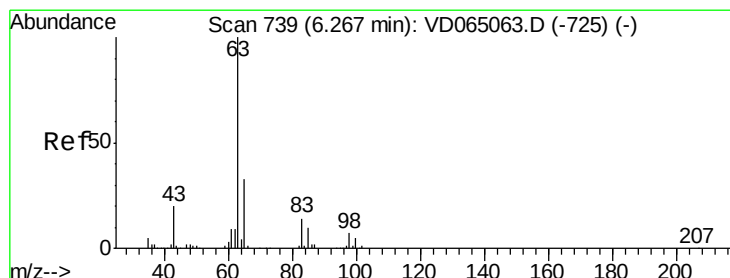
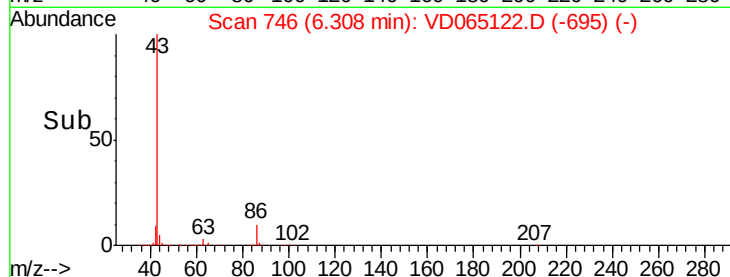
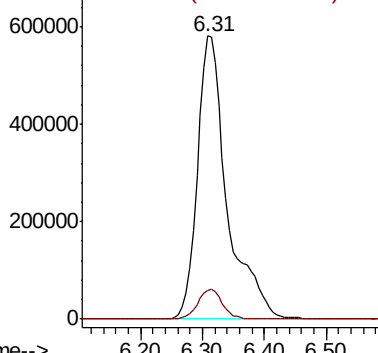
43 100

86 10.3 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: 57.374 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

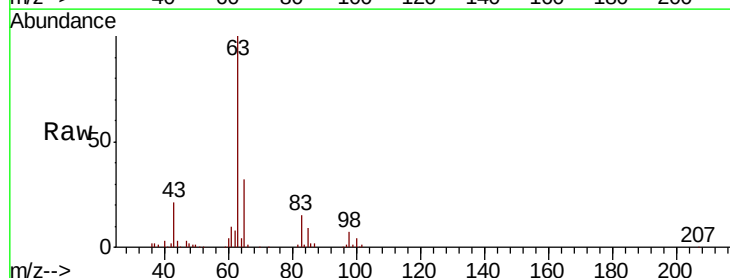
Tgt Ion: 63 Resp: 382711

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

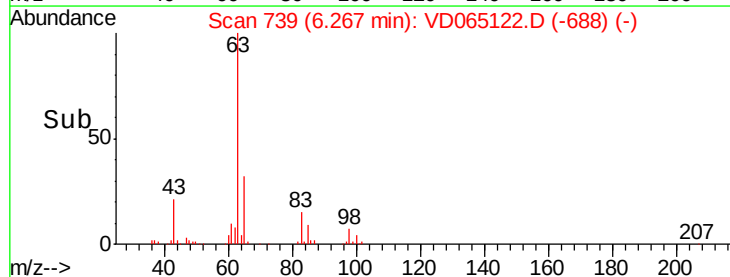
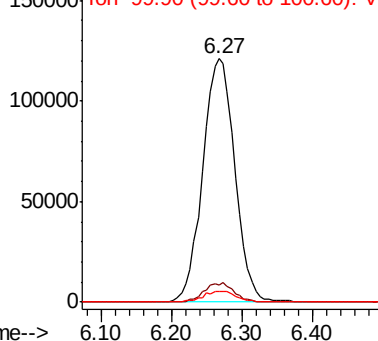
100 4.3 2.5 7.6

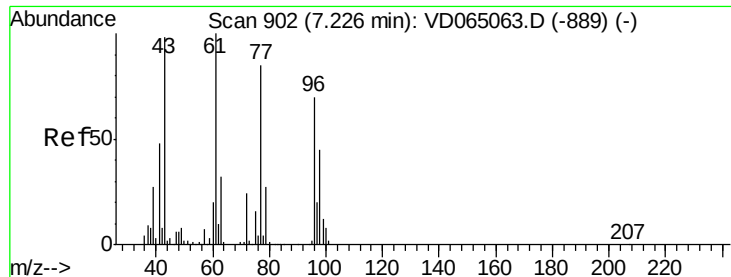


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 292.926 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

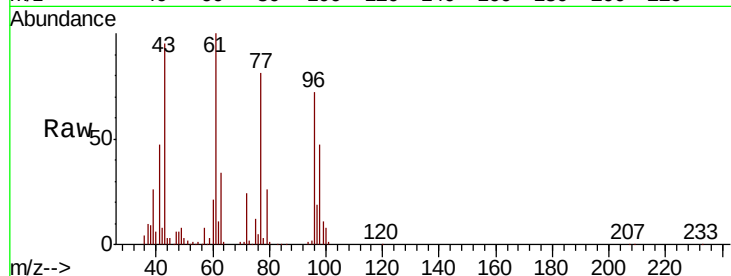
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 295695

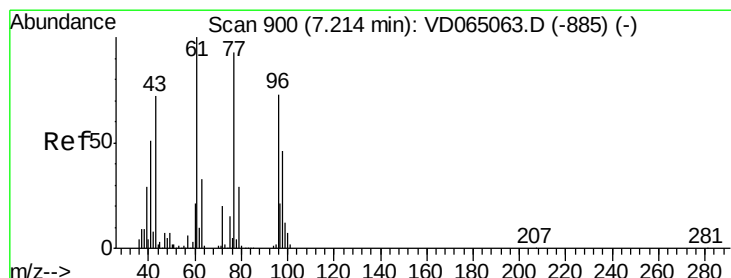
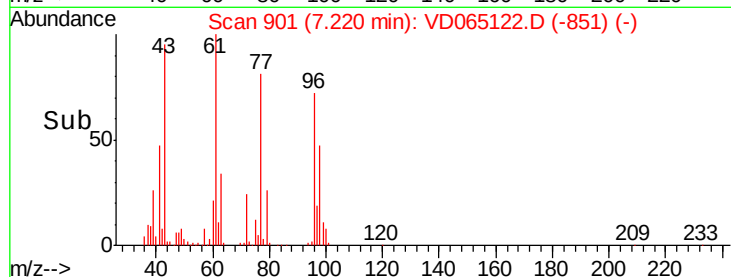
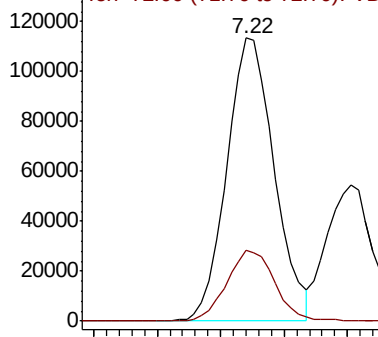
Ion Ratio Lower Upper

43 100

72 24.9 19.9 29.9



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



#26

2,2-Dichloropropane

Concen: 50.411 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065122.D

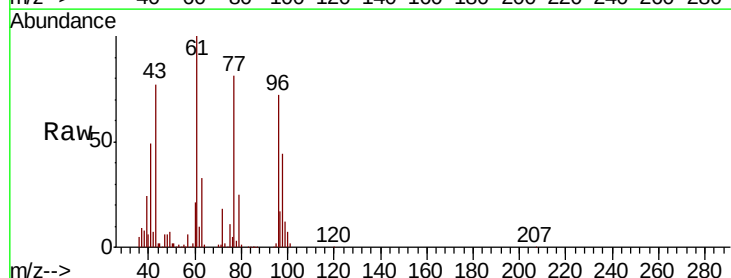
Acq: 07 Feb 2020 21:05

Tgt Ion: 77 Resp: 301404

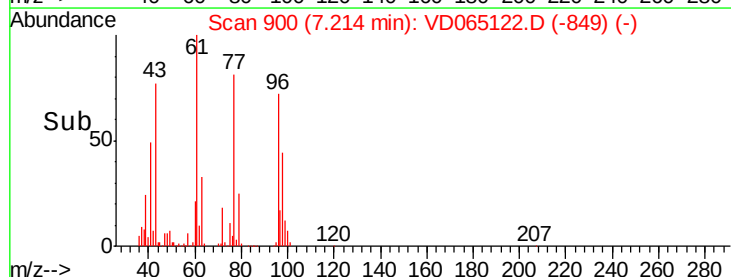
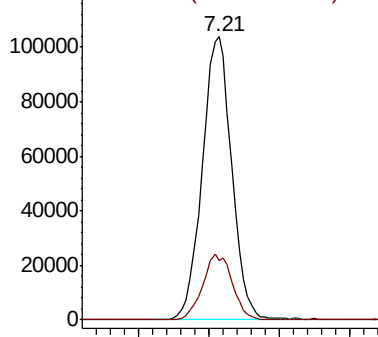
Ion Ratio Lower Upper

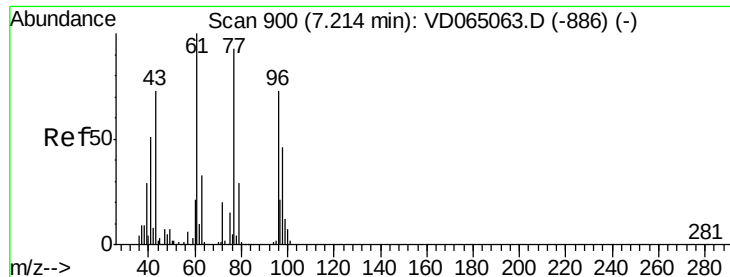
77 100

97 23.2 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 56.285 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

ClientSampleId :

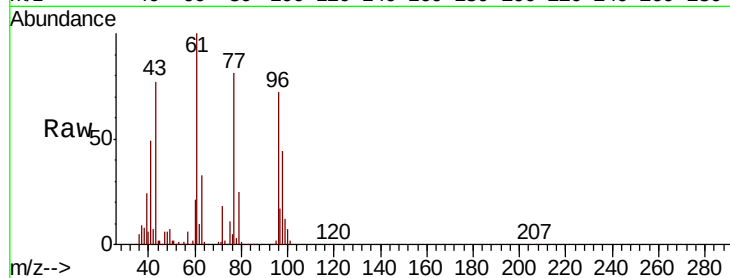
Tot Ion: 96 Resp: 237822

Ion Ratio Lower Upper

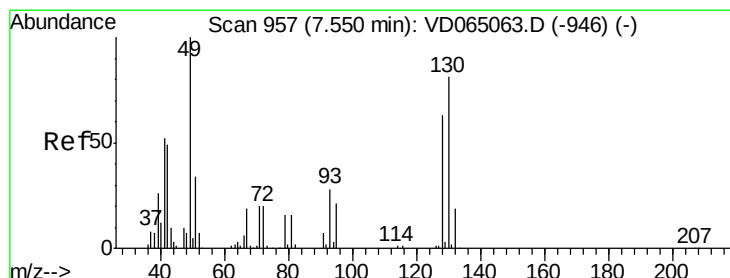
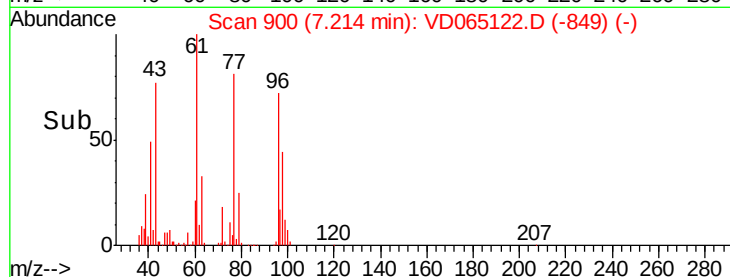
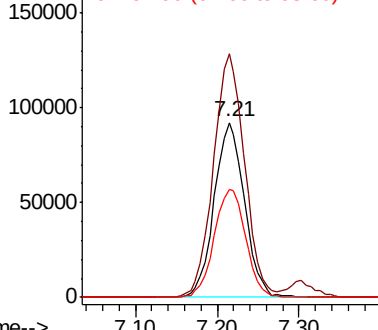
96 100

61 142.8 0.0 292.8

98 64.6 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: 62.227 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

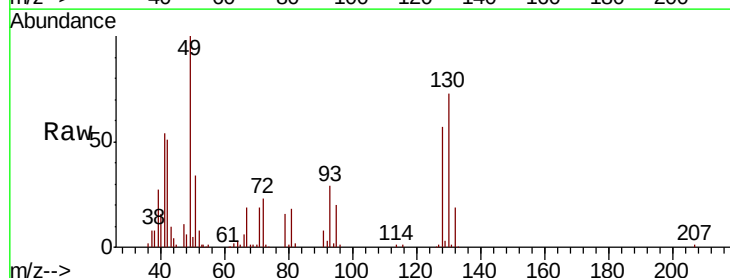
Tgt Ion: 49 Resp: 157348

Ion Ratio Lower Upper

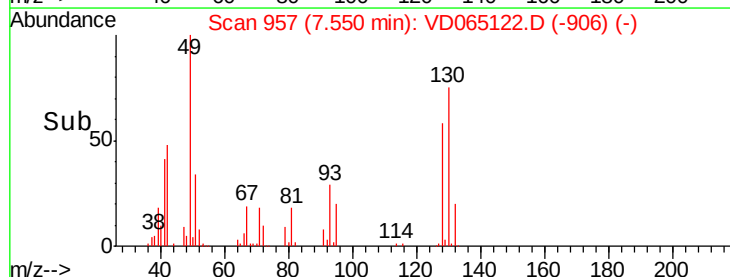
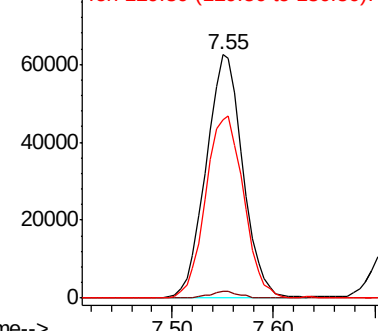
49 100

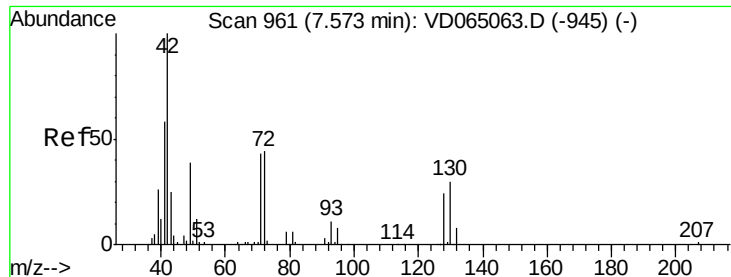
129 2.2 0.0 4.4

130 77.3 63.8 95.8



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

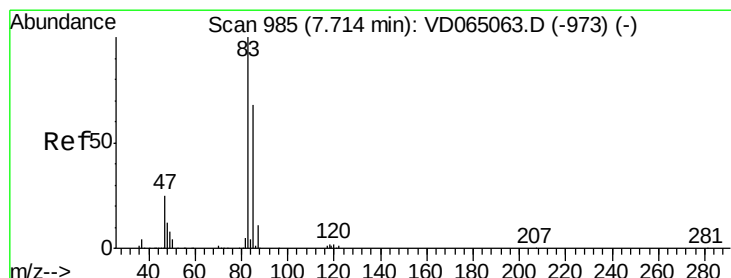
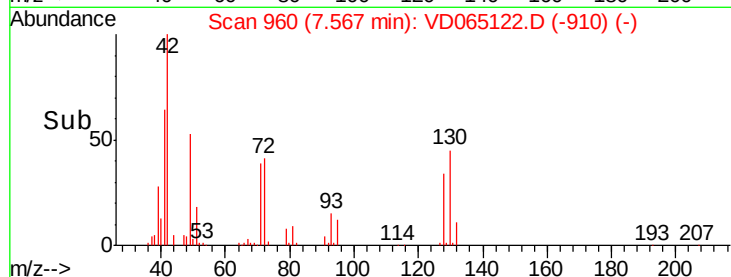
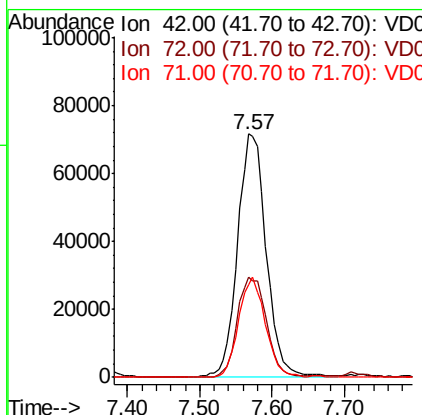
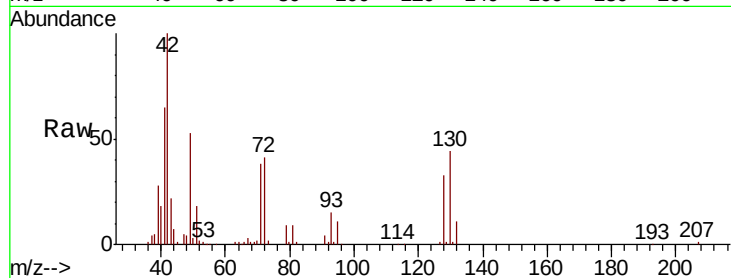




#29
Tetrahydrofuran
Concen: 324.049 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

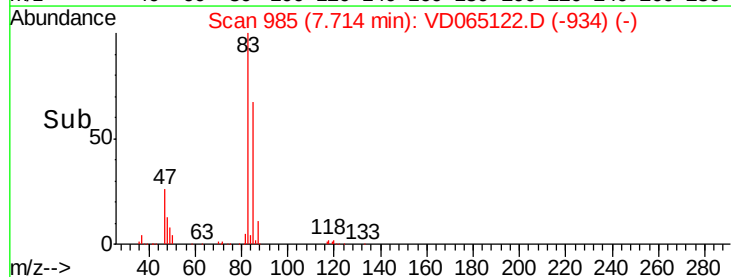
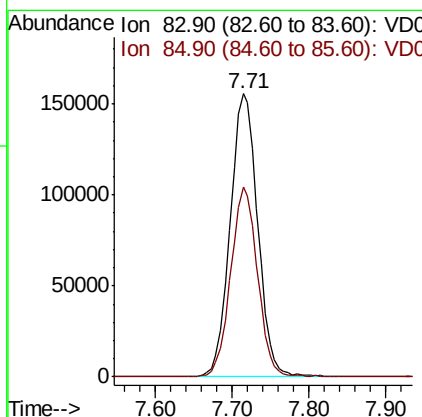
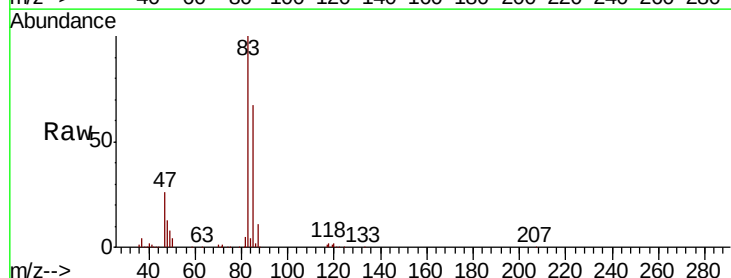
Instrument :
MSVOA_D
ClientSampled :

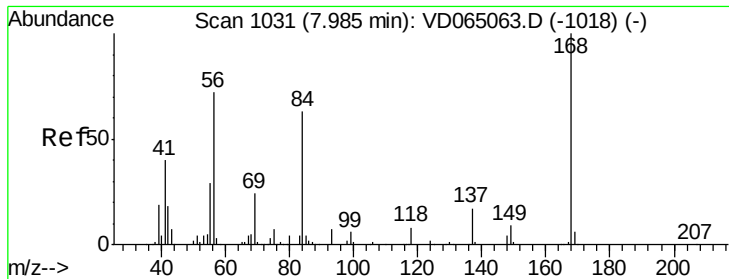
Tot Ion: 42 Resp: 197817
Ion Ratio Lower Upper
42 100
72 41.6 34.2 51.4
71 38.3 31.8 47.6



#30
Chloroform
Concen: 58.612 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion: 83 Resp: 389292
Ion Ratio Lower Upper
83 100
85 67.1 54.2 81.4

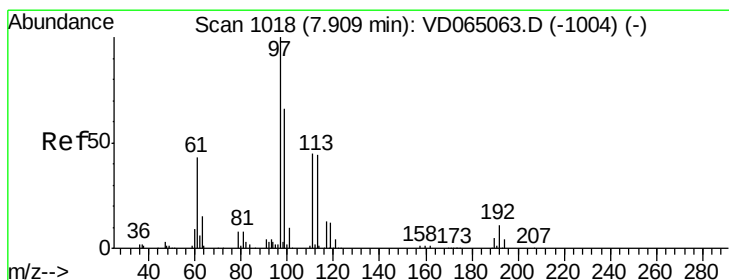
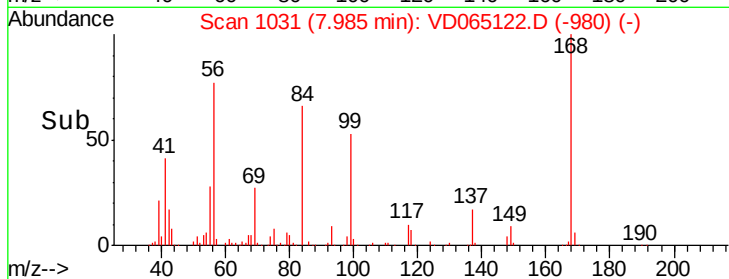
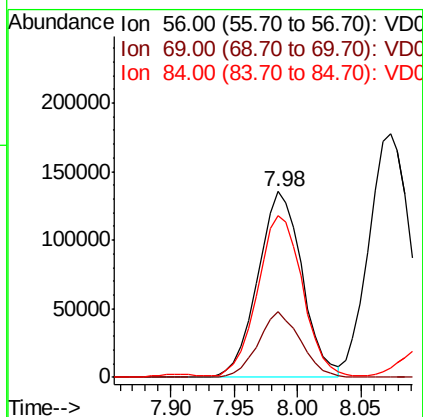
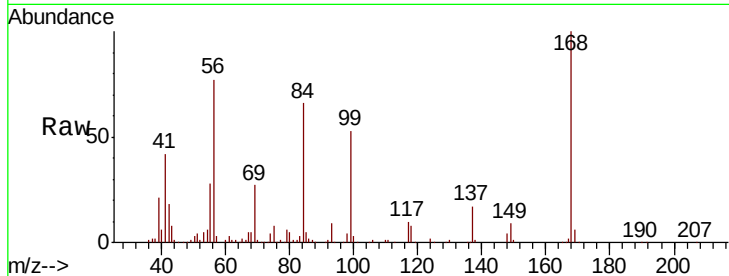




#31
Cyclohexane
Concen: 48.975 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

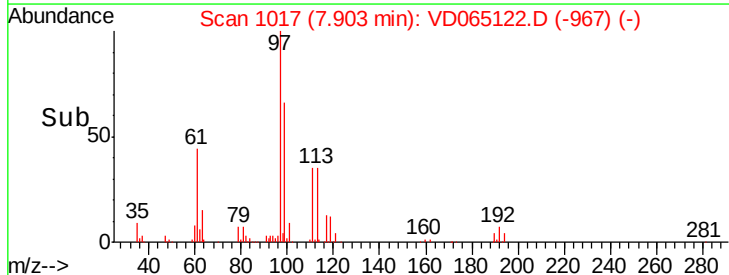
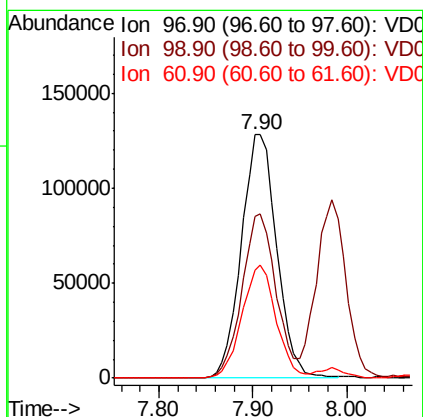
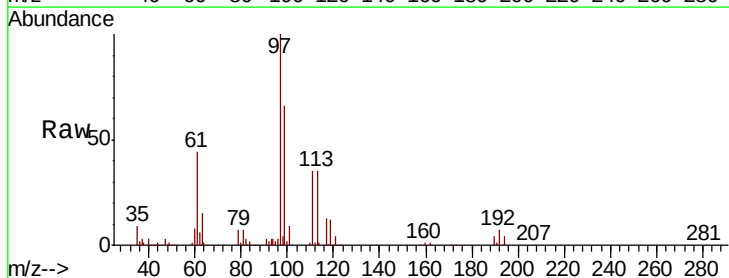
Instrument :
MSVOA_D
ClientSampleId :

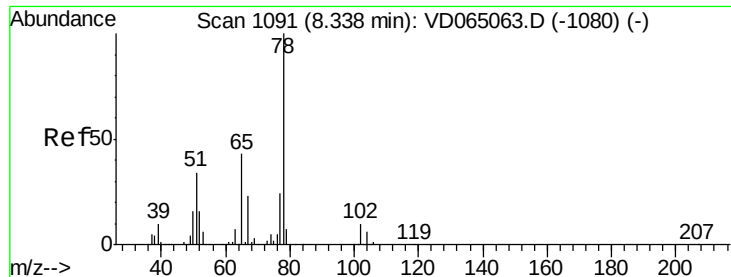
Tot Ion: 56 Resp: 329768
Ion Ratio Lower Upper
56 100
69 35.3 26.6 40.0
84 85.3 70.6 106.0



#32
1,1,1-Trichloroethane
Concen: 53.927 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion: 97 Resp: 333647
Ion Ratio Lower Upper
97 100
99 65.3 51.5 77.3
61 44.7 34.8 52.2

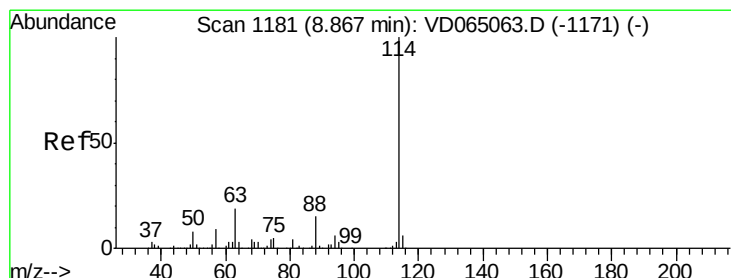
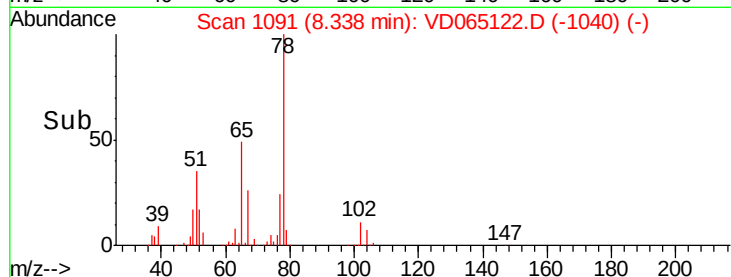
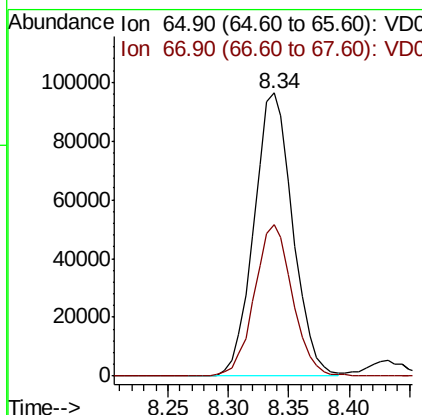
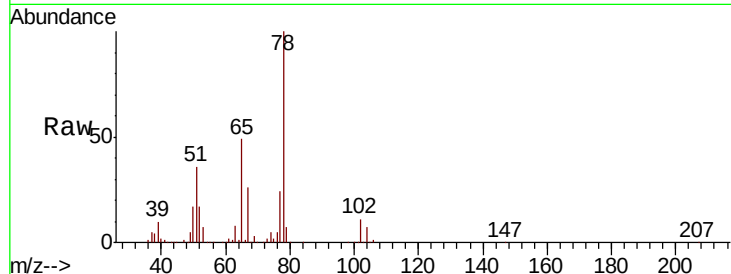




#33
 1,2-Dichloroethane-d4
 Concen: 63.713 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

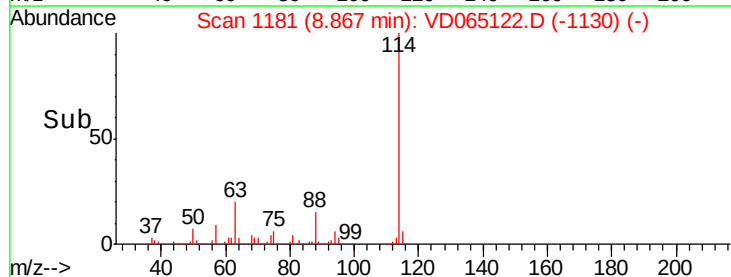
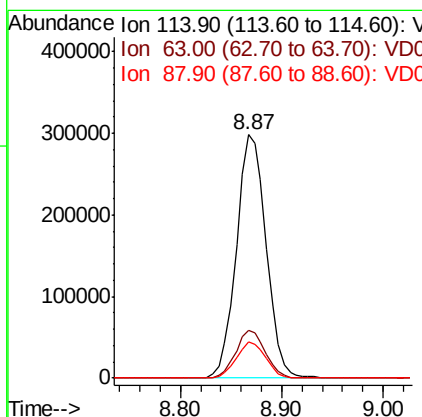
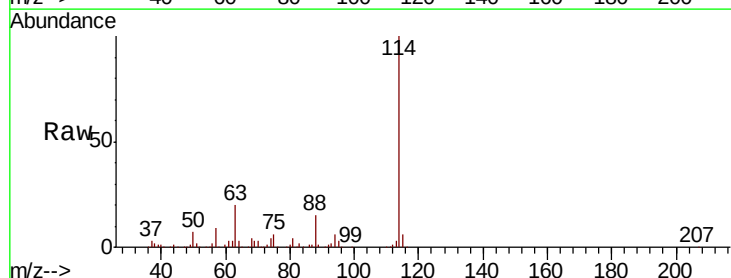
Instrument :
 MSVOA_D
 ClientSampled :

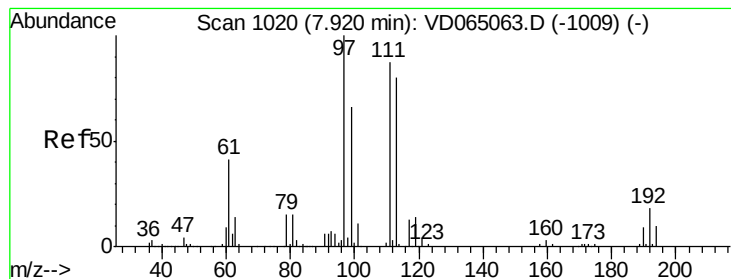
Tot Ion: 65 Resp: 215654
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

Tgt Ion: 114 Resp: 607421
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.8
 88 15.0 0.0 29.6





#35

Dibromofluoromethane

Concen: 61.953 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :
MSVOA_D
ClientSampleId :

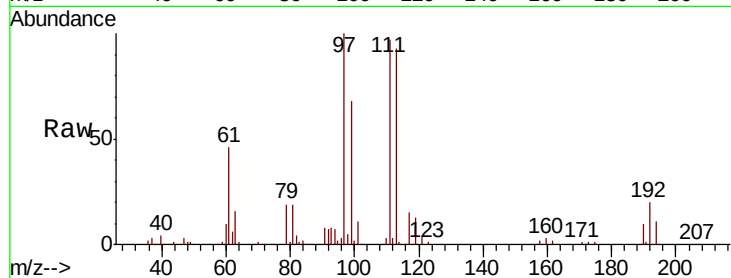
Tot Ion:113 Resp: 209961

Ion Ratio Lower Upper

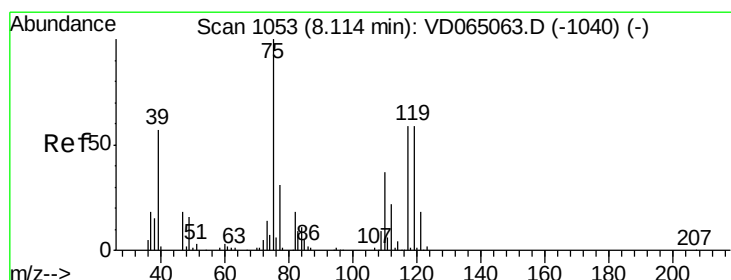
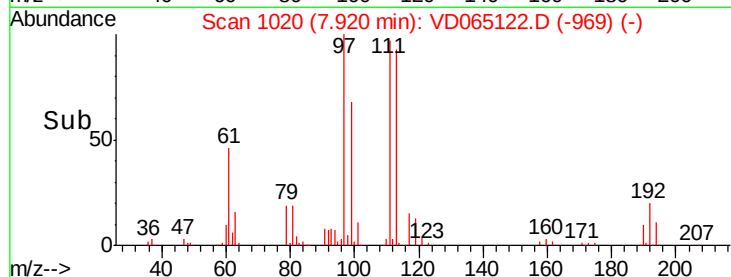
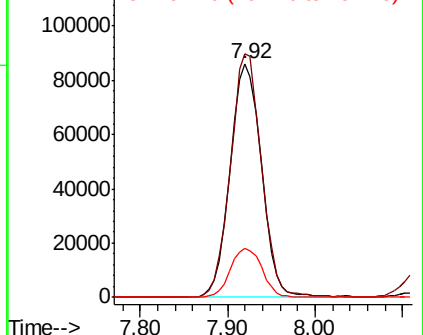
113 100

111 102.8 83.1 124.7

192 21.2 18.1 27.1



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 52.069 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

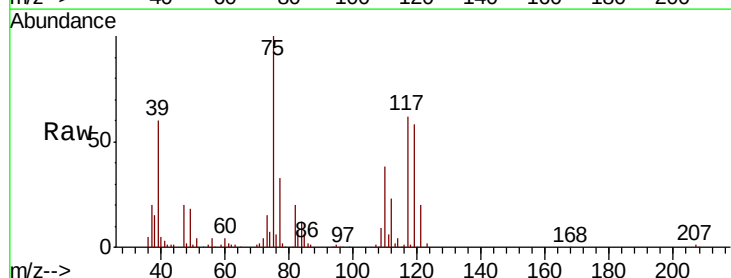
Tgt Ion: 75 Resp: 294089

Ion Ratio Lower Upper

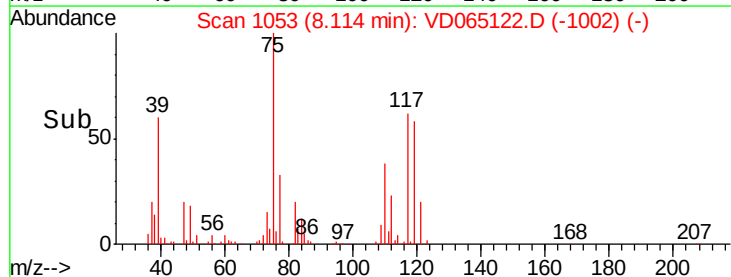
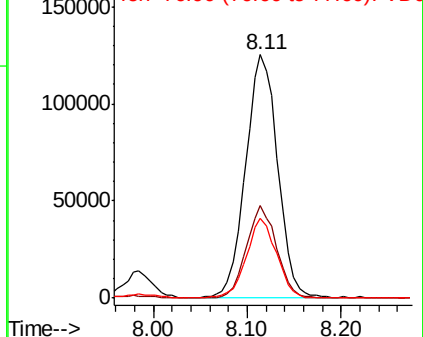
75 100

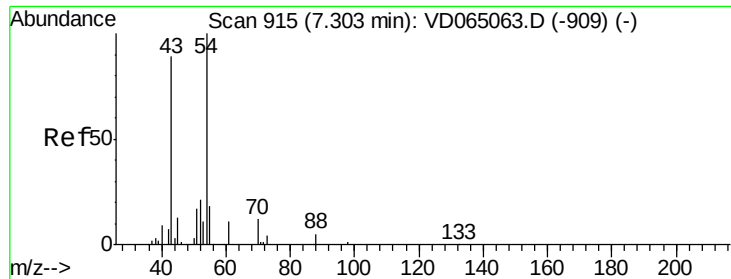
110 35.7 18.1 54.3

77 31.2 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 61.696 ug/l

RT: 7.30 min Scan# 915

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

ClientSampleId :

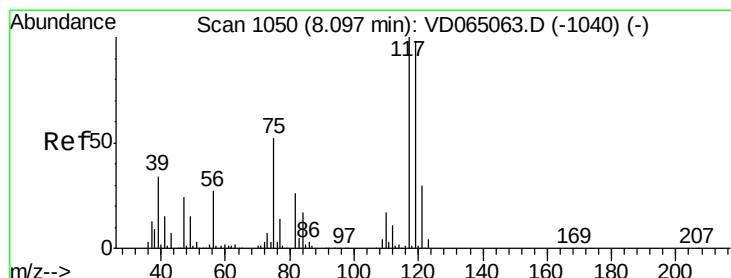
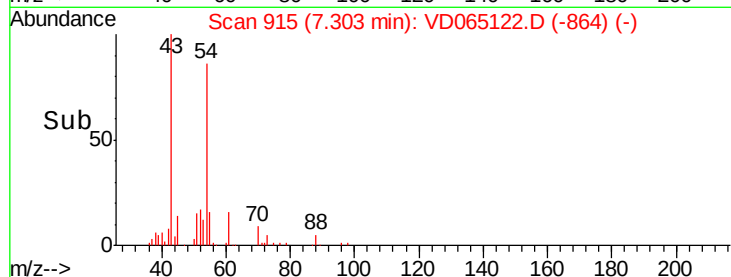
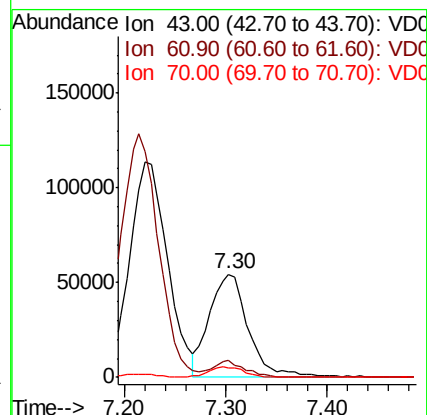
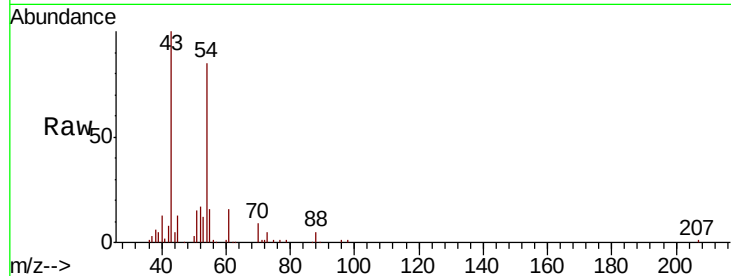
Tot Ion: 43 Resp: 142361

Ion Ratio Lower Upper

43 100

61 14.3 11.0 16.4

70 9.8 8.2 12.2



#38

Carbon Tetrachloride

Concen: 52.346 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

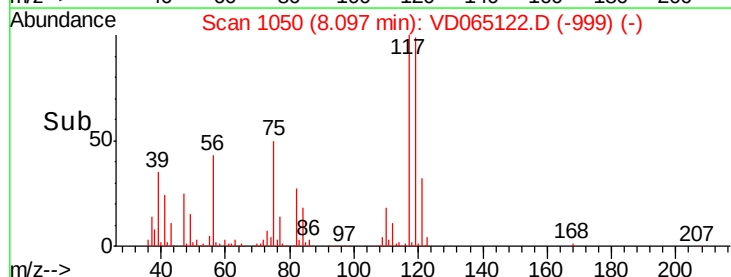
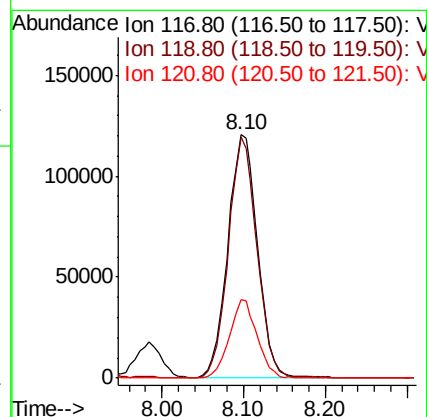
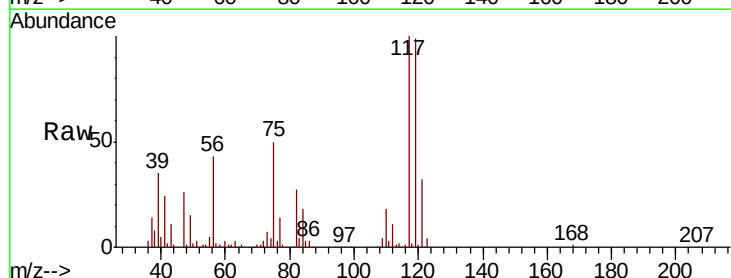
Tgt Ion: 117 Resp: 301962

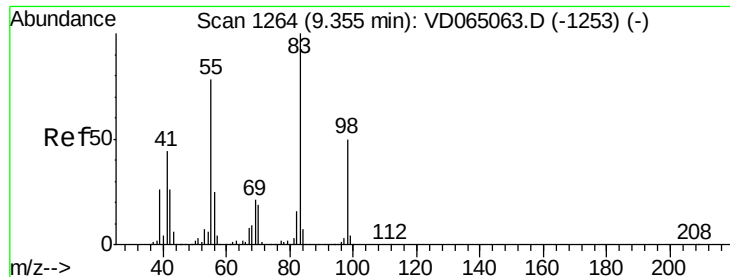
Ion Ratio Lower Upper

117 100

119 99.2 78.5 117.7

121 32.1 23.8 35.6

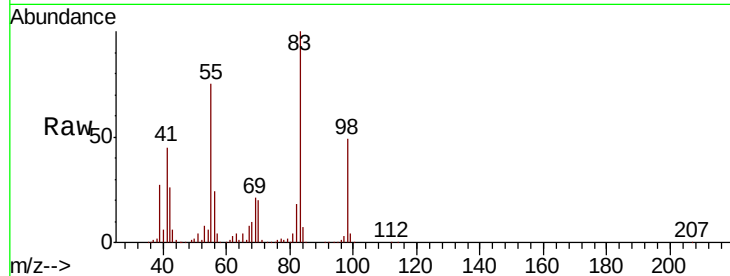




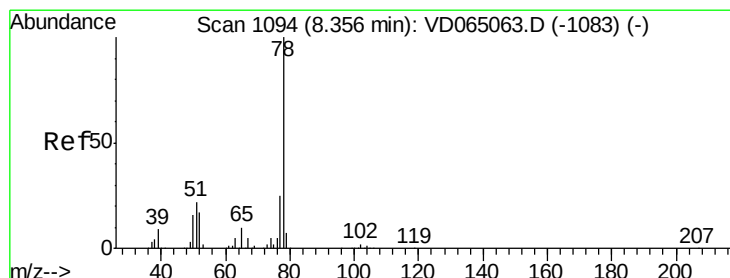
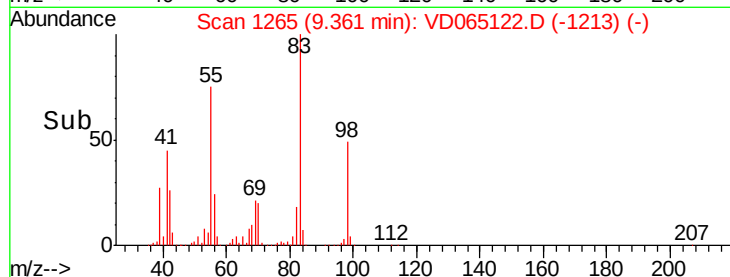
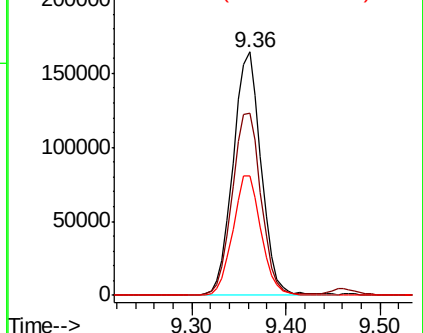
#39
Methylvlcyclohexane
Concen: 48.869 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 340691
Ion Ratio Lower Upper
83 100
55 74.6 62.0 93.0
98 48.9 39.9 59.9

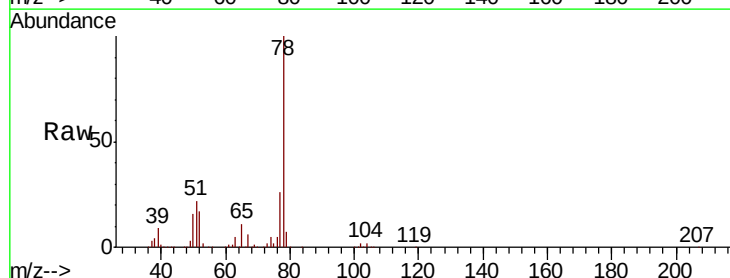


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

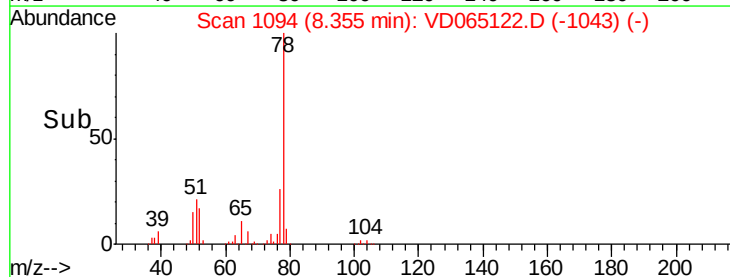
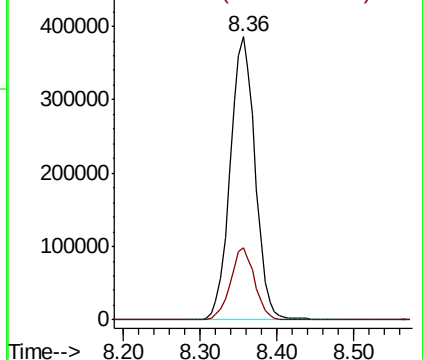


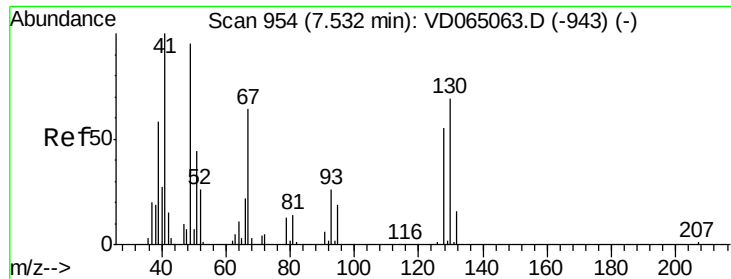
#40
Benzene
Concen: 55.919 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion: 78 Resp: 872175
Ion Ratio Lower Upper
78 100
77 25.7 19.6 29.4



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

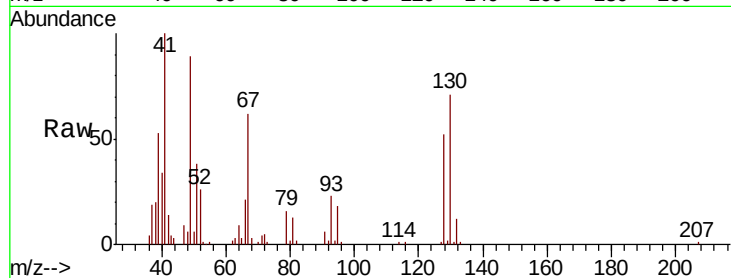




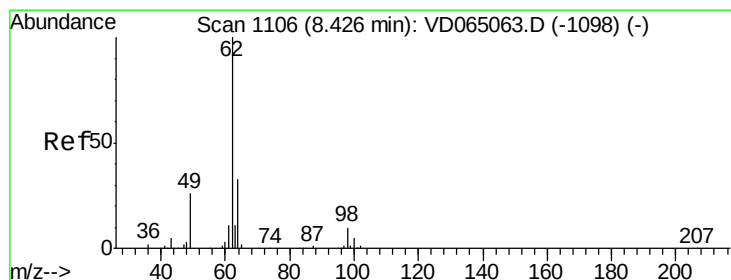
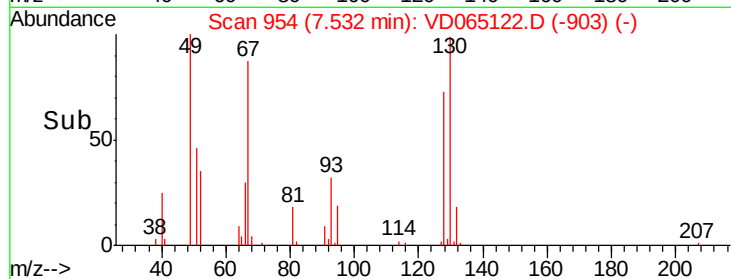
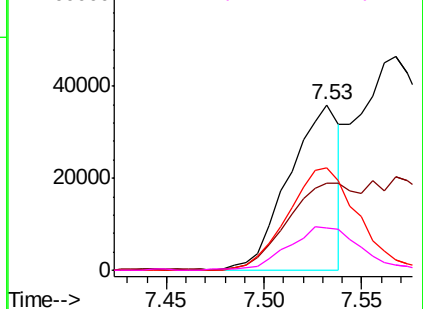
#41
Methacrylonitrile
Concen: 51.014 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	64850
Ion	Ratio	Lower	Upper
41	100		
39	74.3	55.4	83.0
67	86.4	59.0	88.6
52	37.4	25.4	38.0

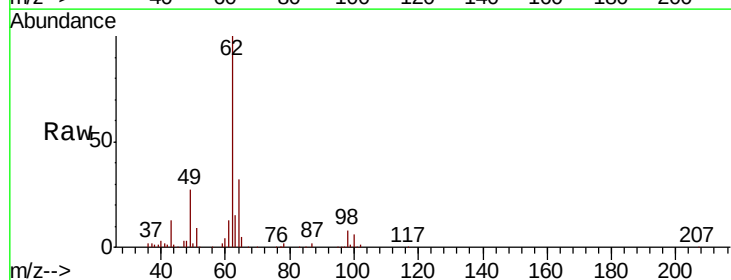


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

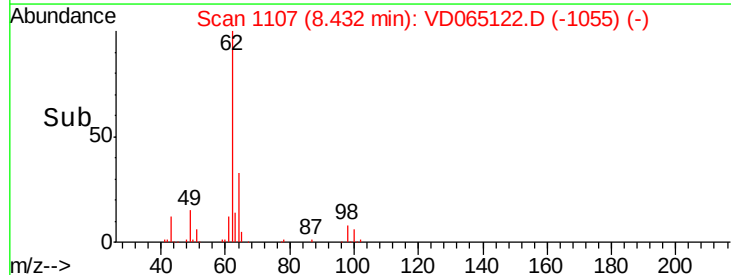
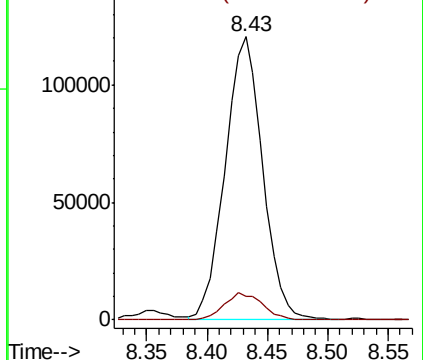


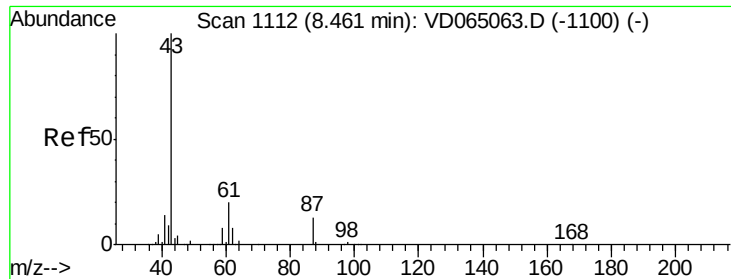
#42
1,2-Dichloroethane
Concen: 58.260 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion:	62	Resp:	258920
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 59.294 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

ClientSampleId :

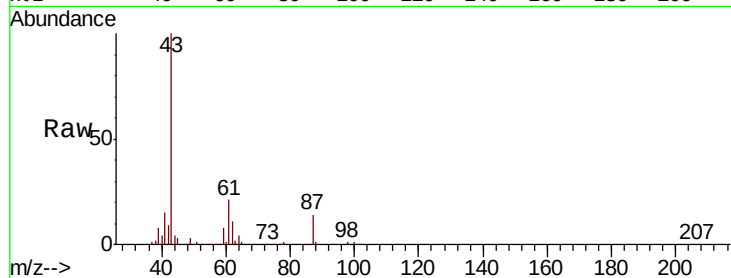
Tot Ion: 43 Resp: 261721

Ion Ratio Lower Upper

43 100

61 29.6 24.0 36.0

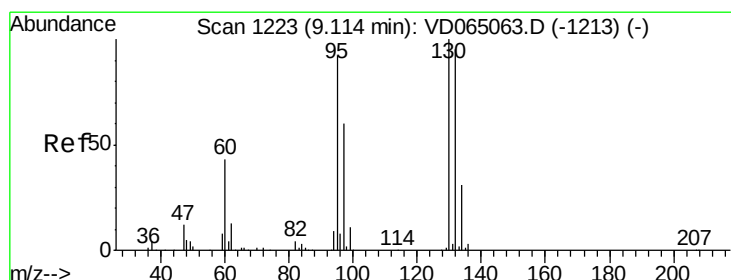
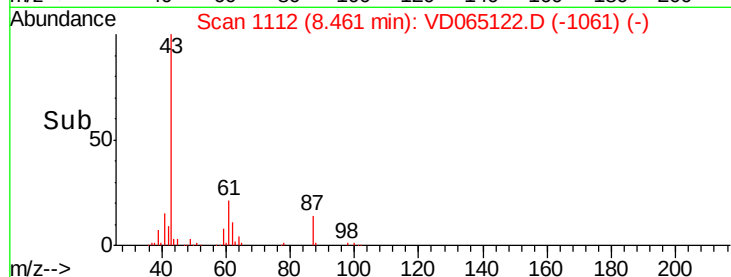
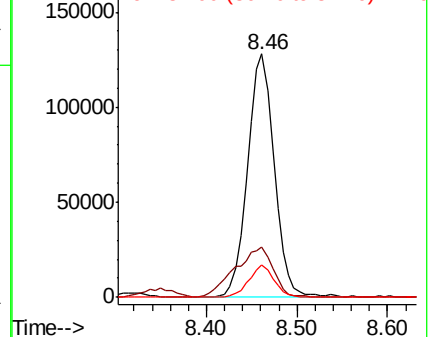
87 12.6 10.2 15.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.414 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065122.D

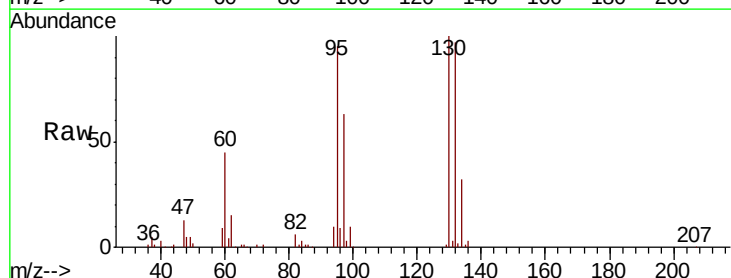
Acq: 07 Feb 2020 21:05

Tgt Ion:130 Resp: 230176

Ion Ratio Lower Upper

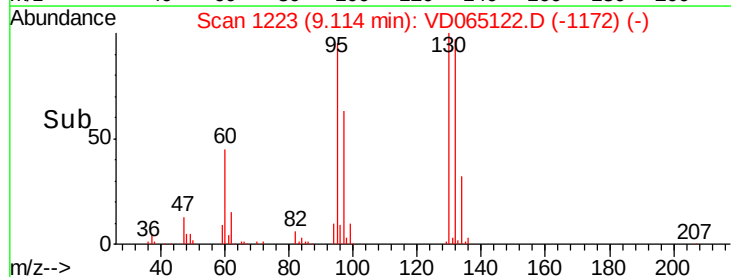
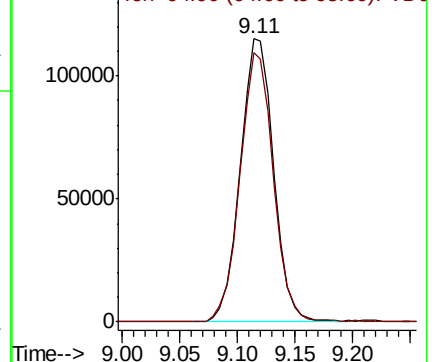
130 100

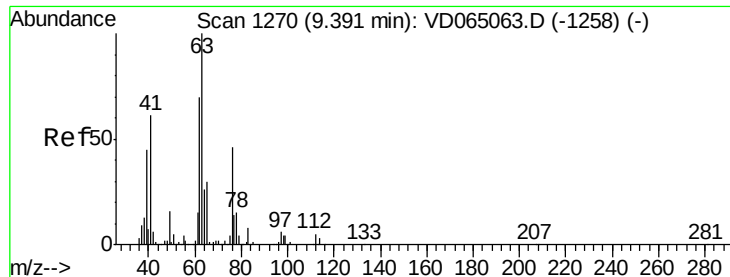
95 95.1 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

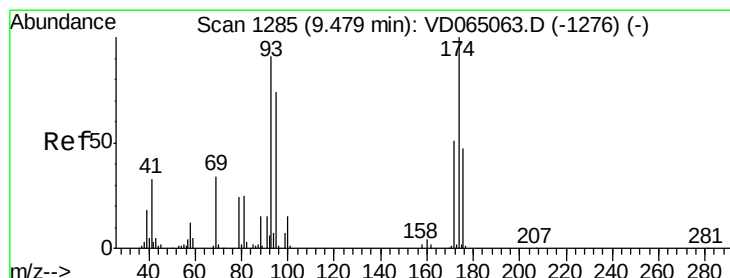
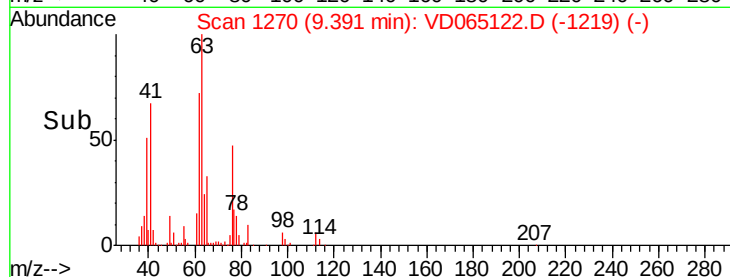
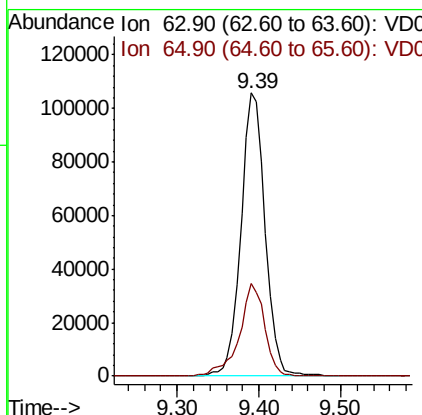
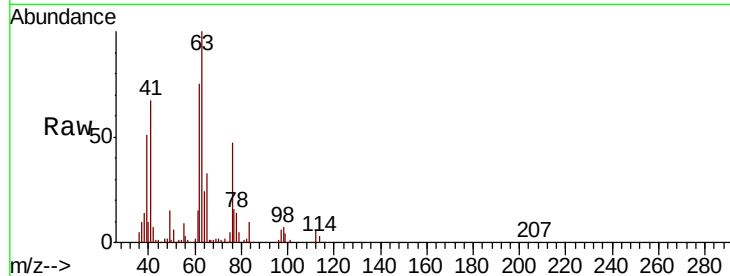




#45
 1,2-Dichloropropane
 Concen: 57.996 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

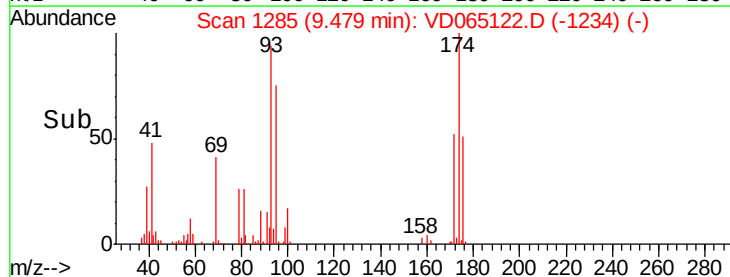
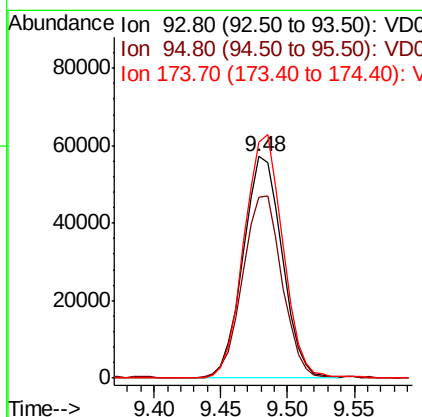
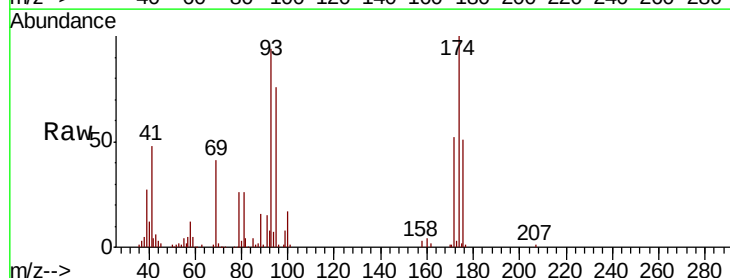
Instrument :
 MSVOA_D
 ClientSampleId :

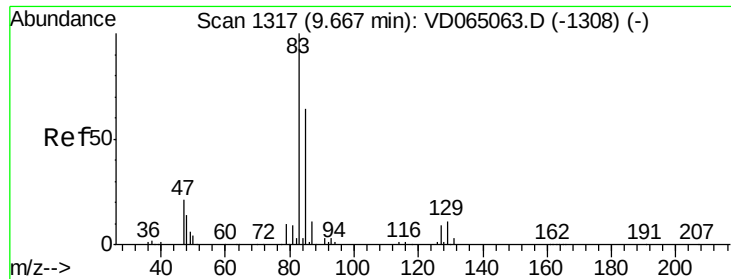
Tot Ion: 63 Resp: 216879
 Ion Ratio Lower Upper
 63 100
 65 32.8 23.9 35.9



#46
 Dibromomethane
 Concen: 59.089 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

Tgt Ion: 93 Resp: 116114
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.5 99.7
 174 108.5 89.8 134.8





#47

Bromodichloromethane

Concen: 58.921 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

ClientSampleId :

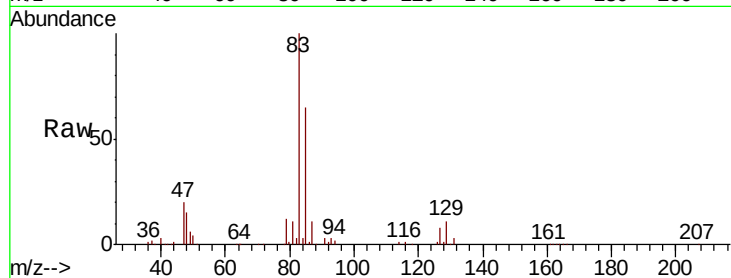
Tot Ion: 83 Resp: 305075

Ion Ratio Lower Upper

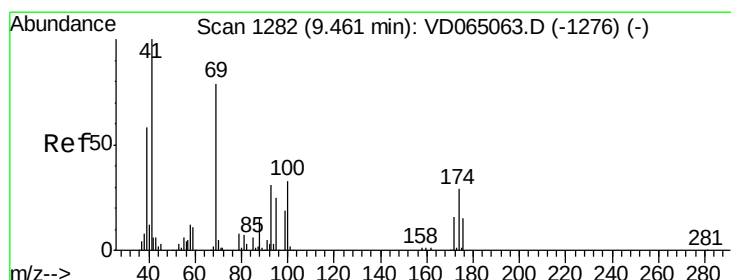
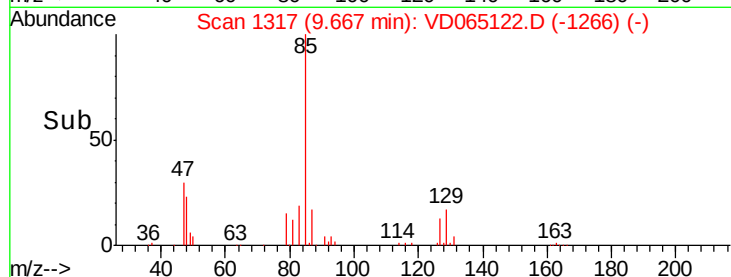
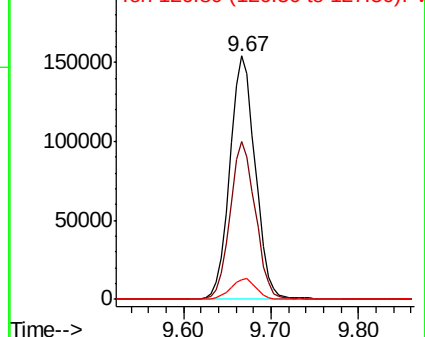
83 100

85 65.0 51.0 76.6

127 8.2 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: 59.046 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

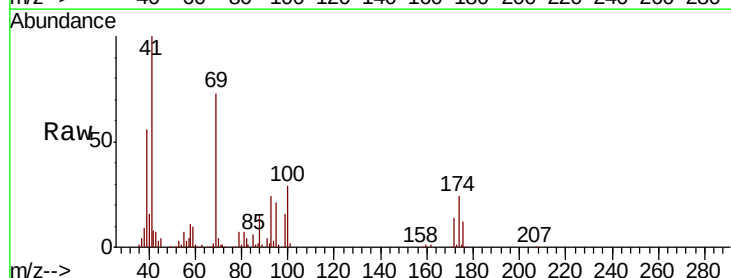
Tgt Ion: 41 Resp: 125415

Ion Ratio Lower Upper

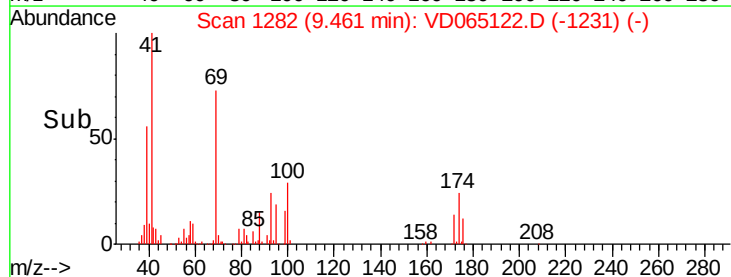
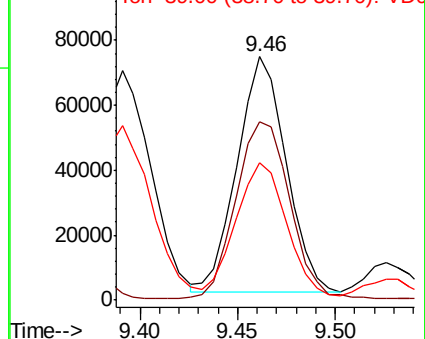
41 100

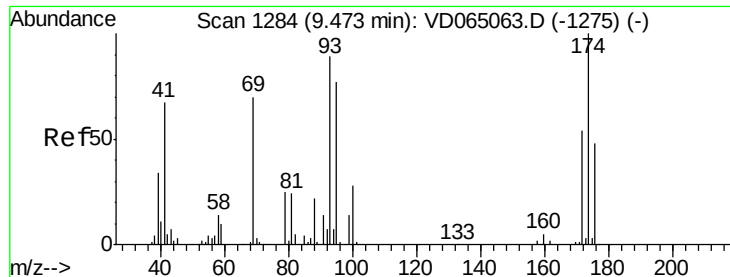
69 84.9 67.5 101.3

39 62.2 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: 1221.672 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

ClientSampleId :

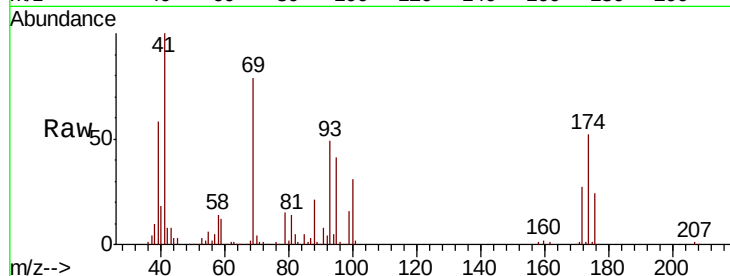
Tot Ion: 88 Resp: 28434

Ion Ratio Lower Upper

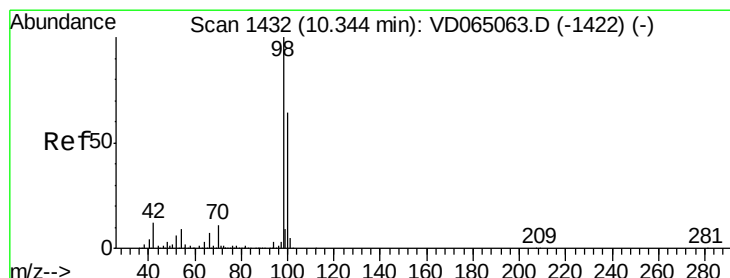
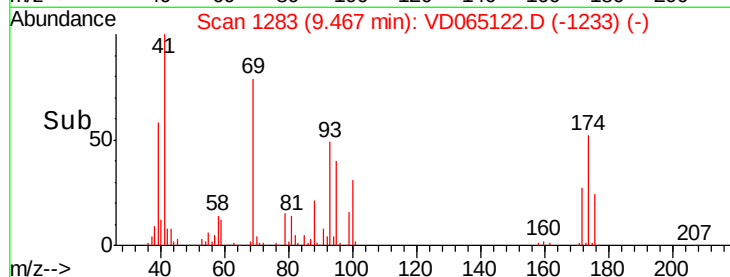
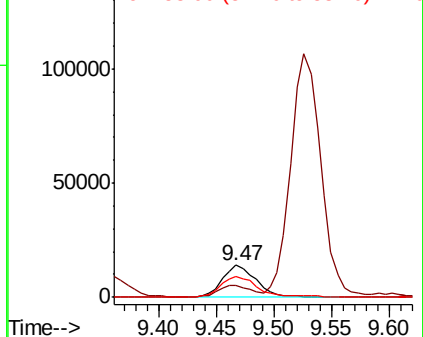
88 100

43 38.2 27.7 41.5

58 73.7 55.5 83.3



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



#50

Toluene-d8

Concen: 59.513 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065122.D

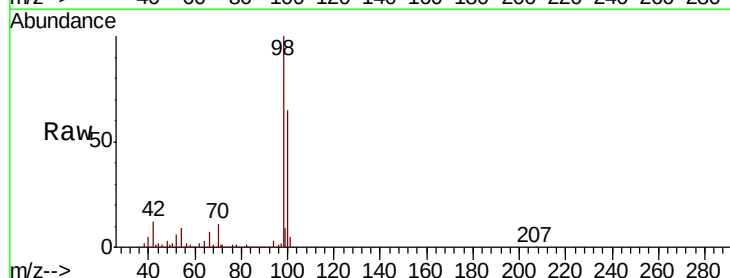
Acq: 07 Feb 2020 21:05

Tgt Ion: 98 Resp: 802792

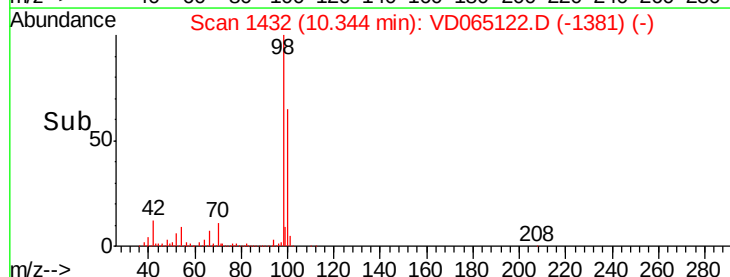
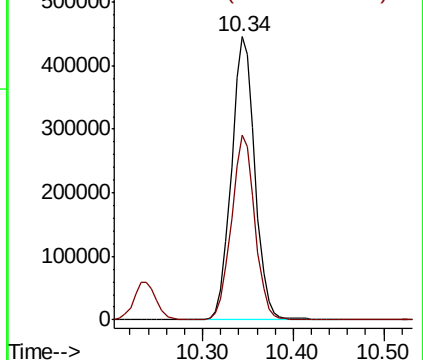
Ion Ratio Lower Upper

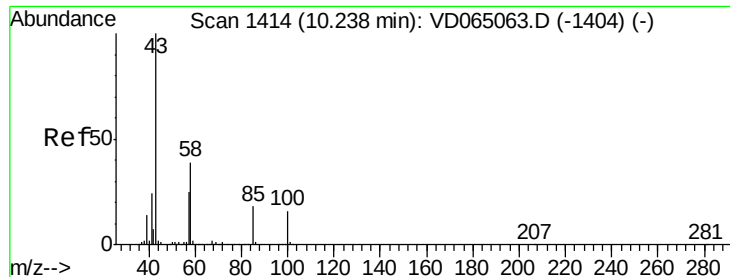
98 100

100 65.0 52.1 78.1



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

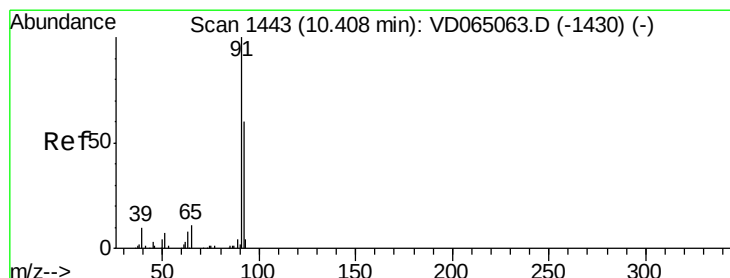
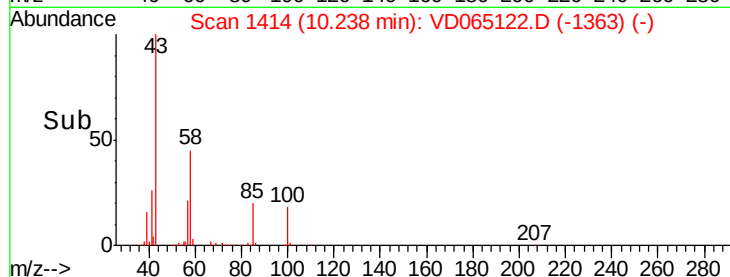
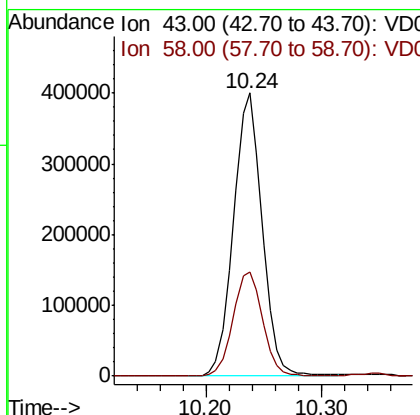
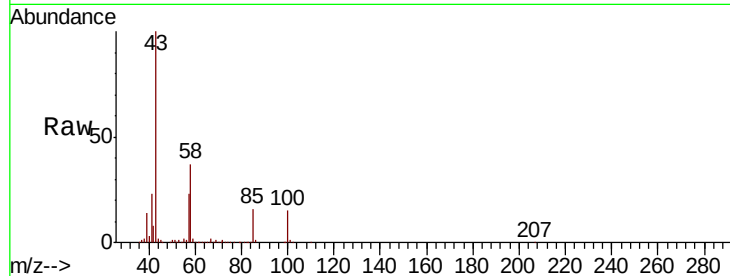




#51
 4-Methyl-2-Pentanone
 Concen: 317.133 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

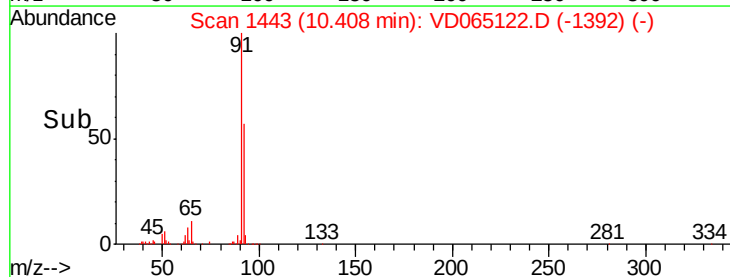
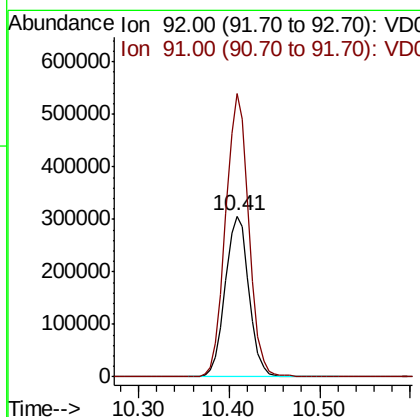
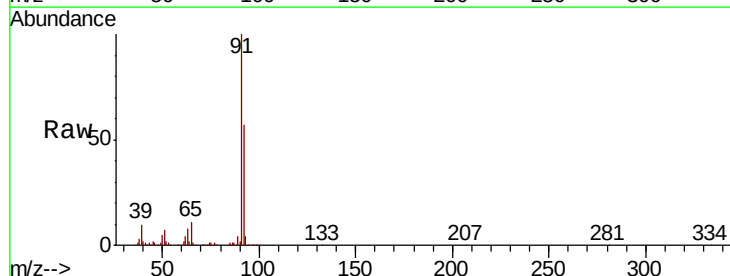
Instrument :
 MSVOA_D
 ClientSampled :

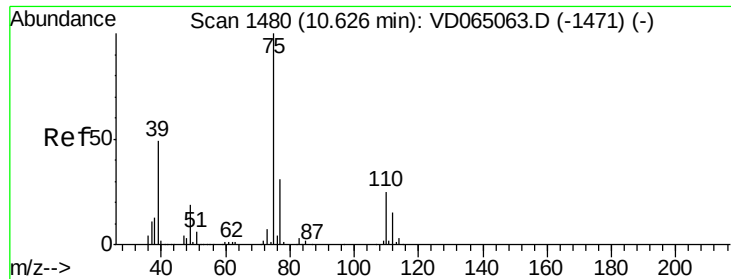
Tot Ion: 43 Resp: 689016
 Ion Ratio Lower Upper
 43 100
 58 37.8 30.2 45.2



#52
 Toluene
 Concen: 55.766 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

Tgt Ion: 92 Resp: 555138
 Ion Ratio Lower Upper
 92 100
 91 172.7 135.3 202.9

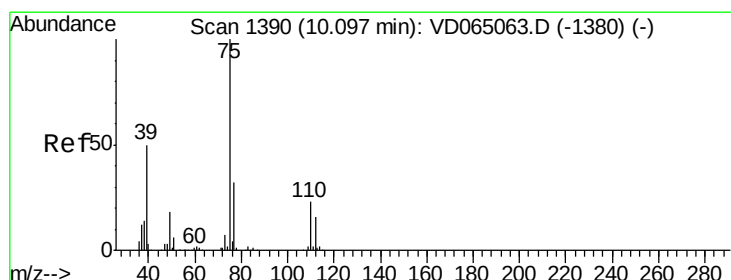
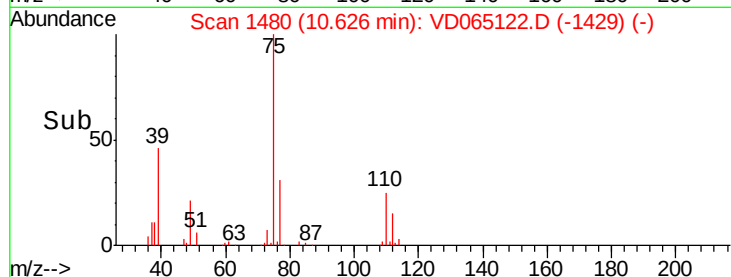
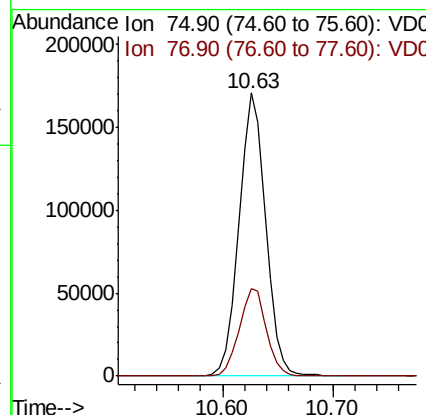
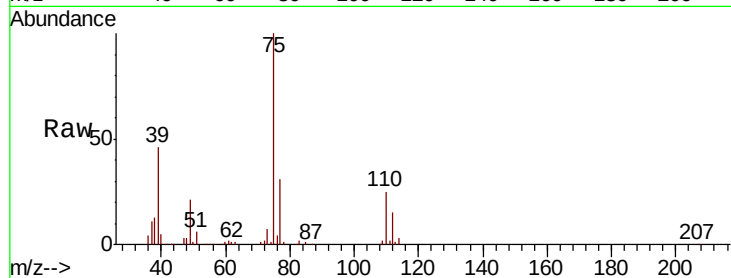




#53
t-1,3-Dichloropropene
Concen: 57.610 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

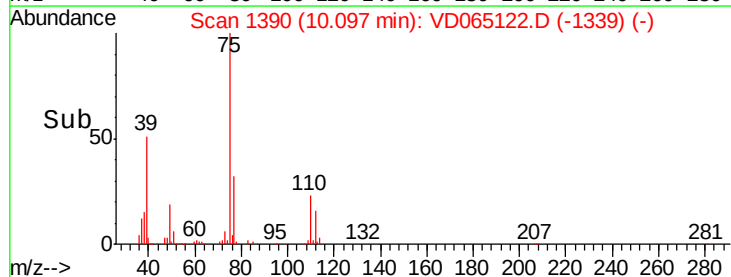
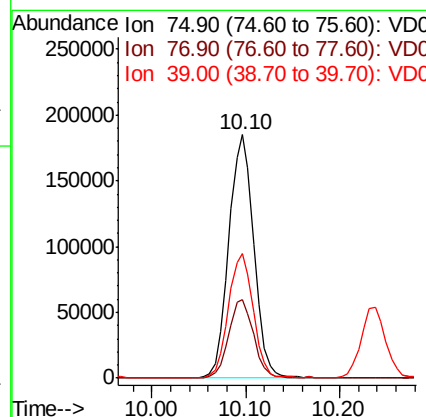
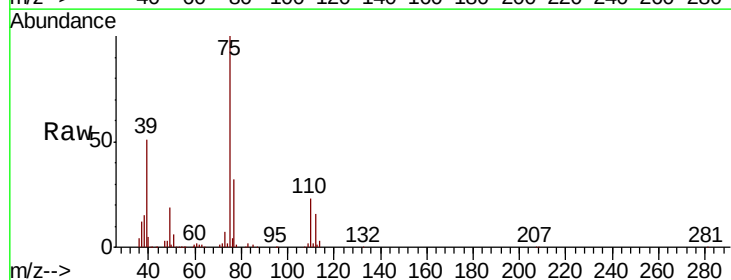
Instrument :
MSVOA_D
ClientSampleId :

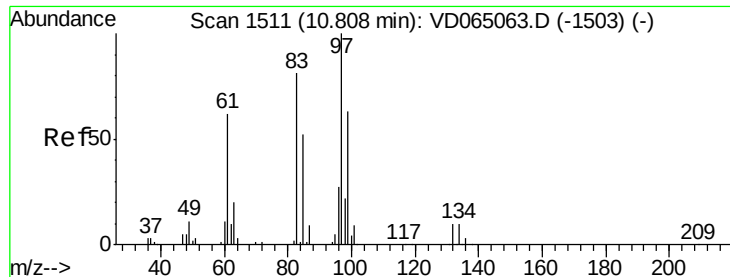
Tot Ion: 75 Resp: 290425
Ion Ratio Lower Upper
75 100
77 30.9 24.9 37.3



#54
cis-1,3-Dichloropropene
Concen: 56.738 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion: 75 Resp: 342091
Ion Ratio Lower Upper
75 100
77 32.2 25.3 37.9
39 51.1 40.3 60.5





#55

1,1,2-Trichloroethane

Concen: 60.046 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 161845

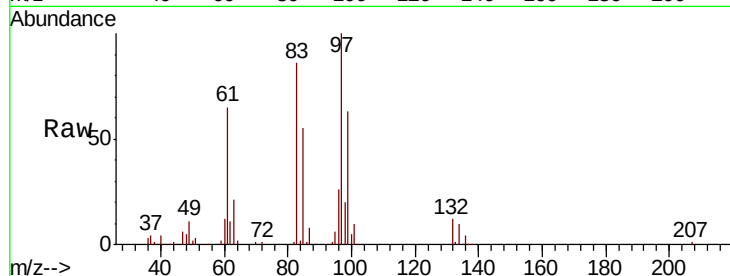
Ion	Ratio	Lower	Upper
97	100		
83	85.6	64.8	97.2
85	54.7	41.2	61.8
99	63.4	50.3	75.5

97 100

83 85.6 64.8 97.2

85 54.7 41.2 61.8

99 63.4 50.3 75.5

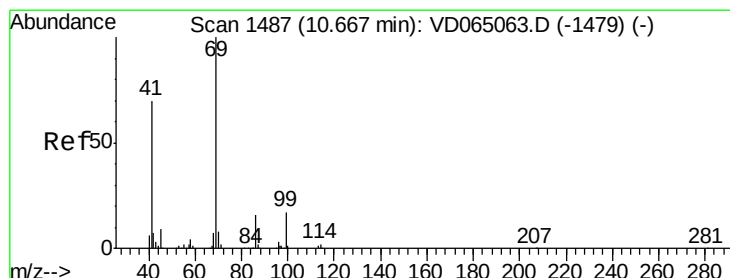
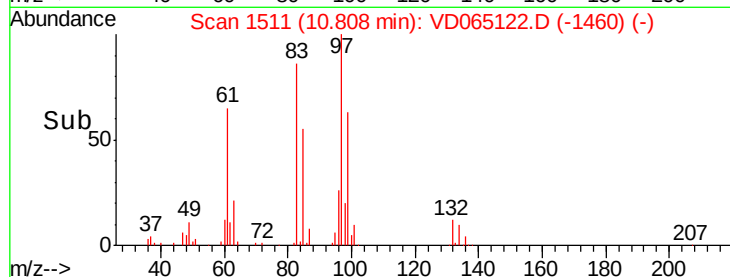
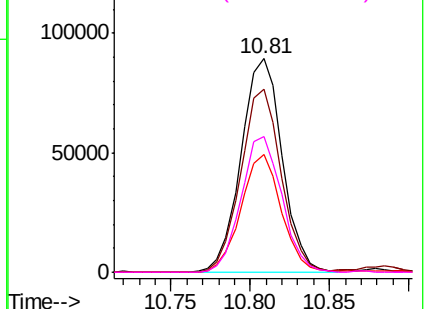


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 61.083 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

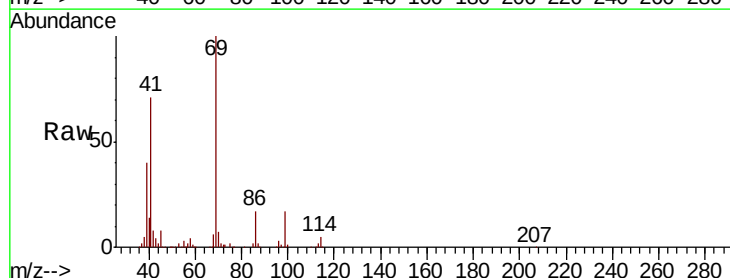
Tgt Ion: 69 Resp: 208314

Ion	Ratio	Lower	Upper
69	100		
41	69.3	55.9	83.9
39	36.8	29.4	44.0

69 100

41 69.3 55.9 83.9

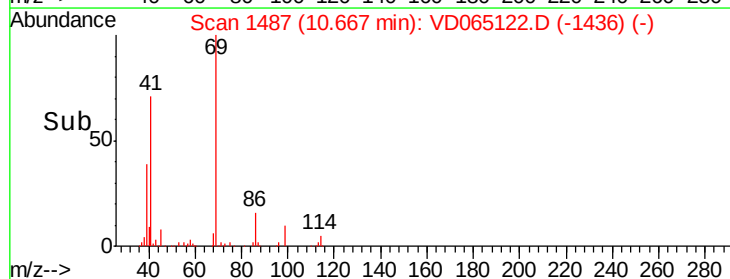
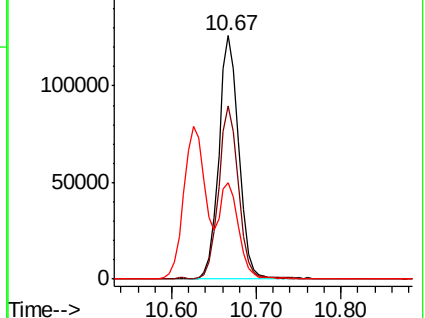
39 36.8 29.4 44.0

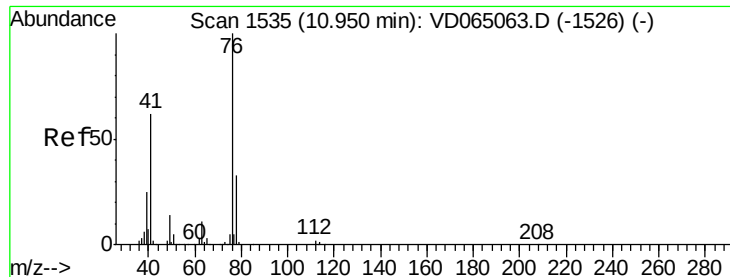


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 58.633 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

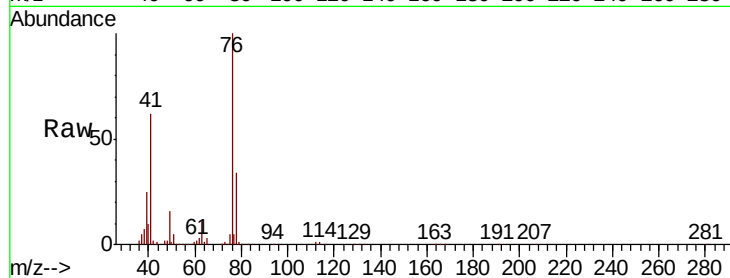
ClientSampleId :

Tot Ion: 76 Resp: 277896

Ion Ratio Lower Upper

76 100

78 33.1 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

150000

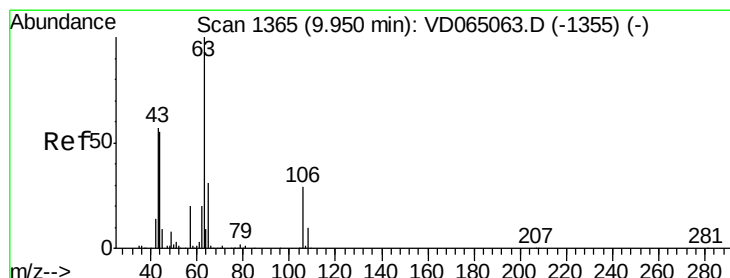
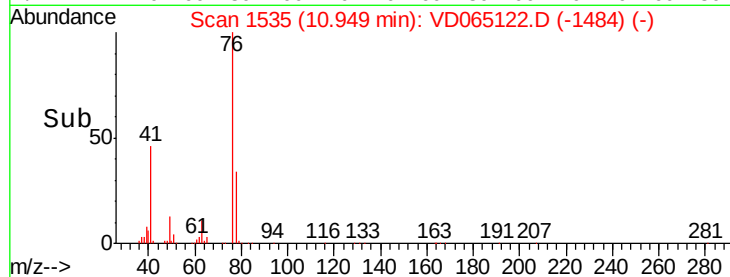
100000

50000

0

Time-->

10.90 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 274.012 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065122.D

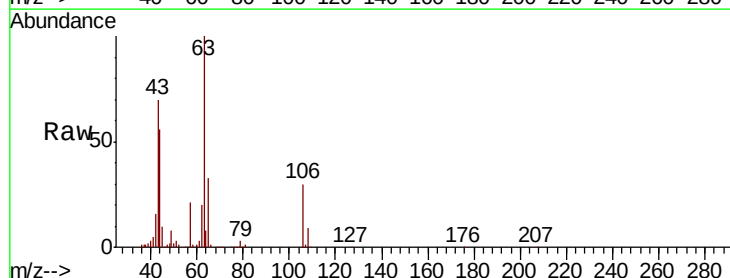
Acq: 07 Feb 2020 21:05

Tgt Ion: 63 Resp: 299918

Ion Ratio Lower Upper

63 100

106 29.2 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.95

200000

150000

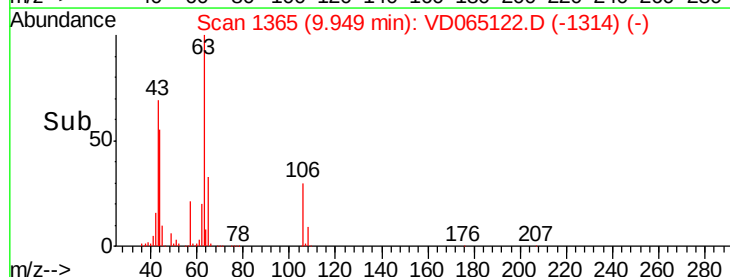
100000

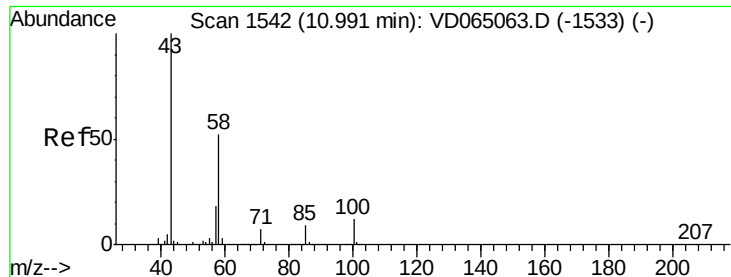
50000

0

Time-->

9.90 10.00

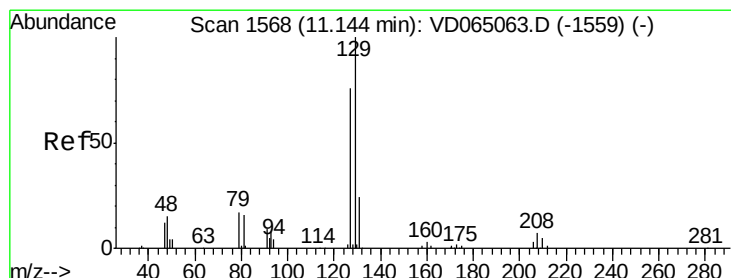
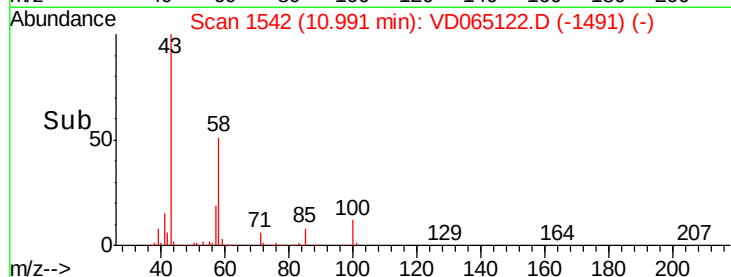
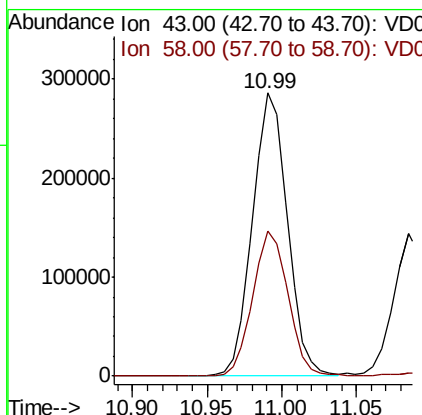
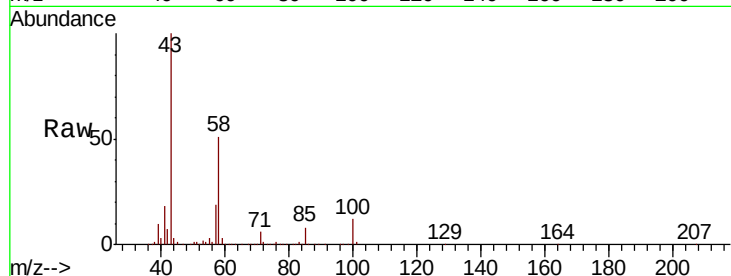




#59
2-Hexanone
Concen: 300.509 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

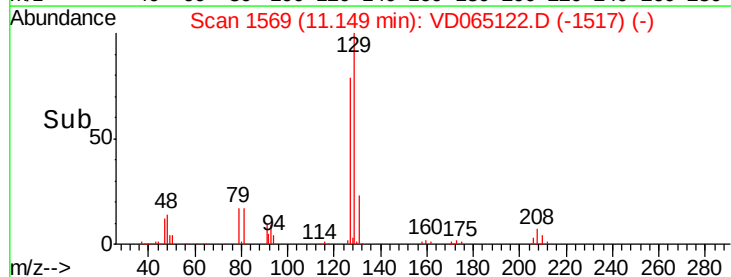
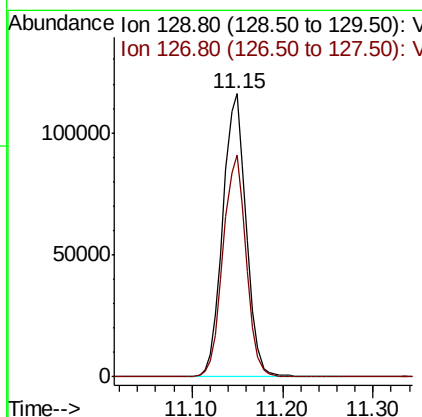
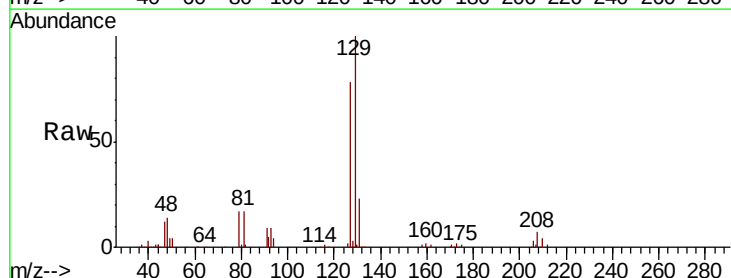
Instrument :
MSVOA_D
ClientSampleId :

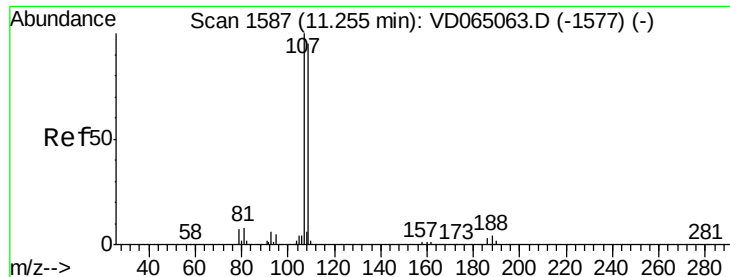
Tot Ion: 43 Resp: 462463
Ion Ratio Lower Upper
43 100
58 52.0 26.2 78.6



#60
Dibromochloromethane
Concen: 59.503 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion: 129 Resp: 207734
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.9

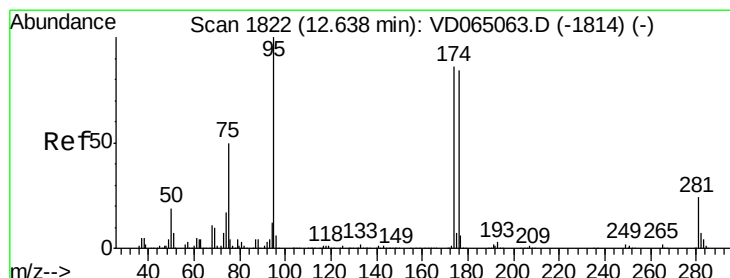
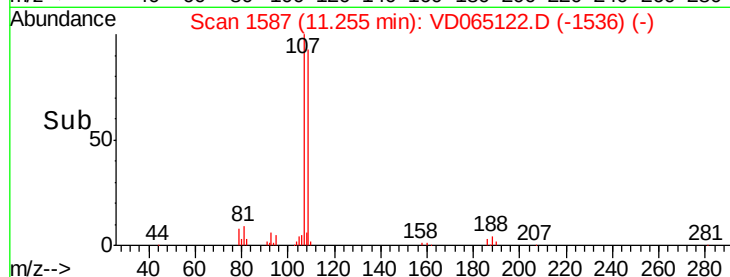
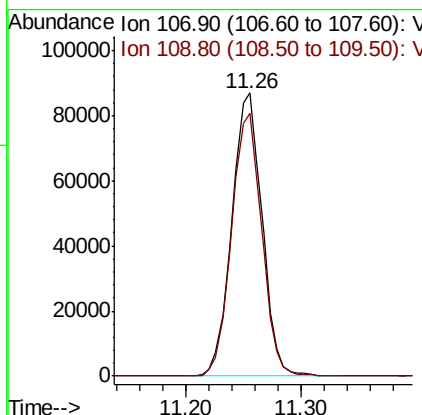
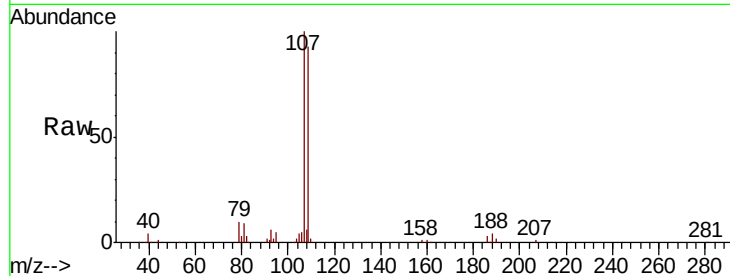




#61
 1,2-Dibromoethane
 Concen: 59.756 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

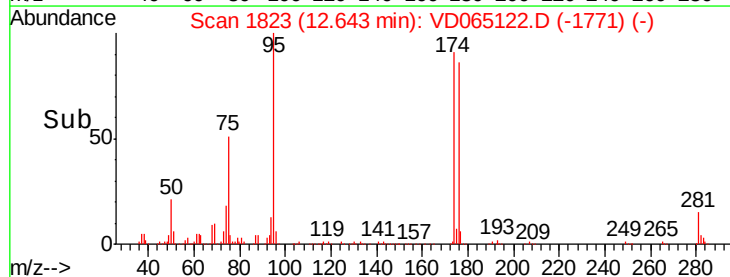
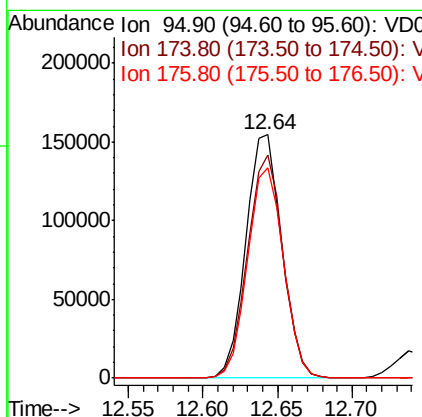
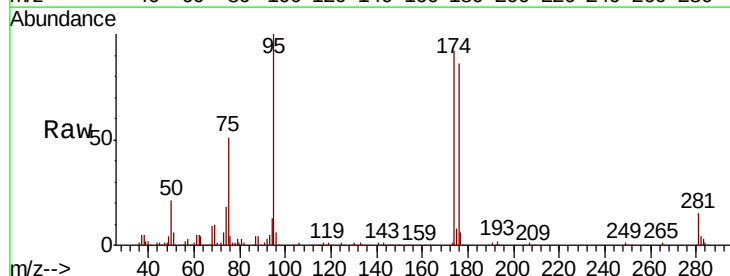
Instrument :
 MSVOA_D
 ClientSampleId :

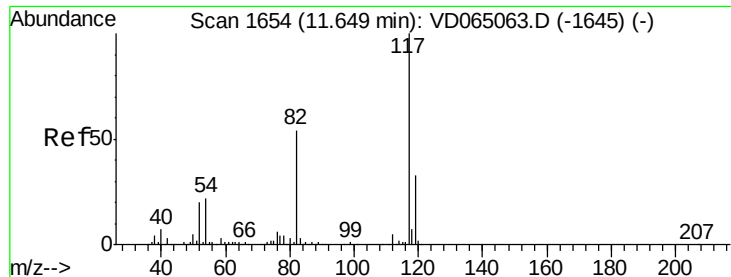
Tot Ion: 107 Resp: 157379
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 60.036 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

Tgt Ion: 95 Resp: 256609
 Ion Ratio Lower Upper
 95 100
 174 90.8 0.0 180.0
 176 86.2 0.0 173.2

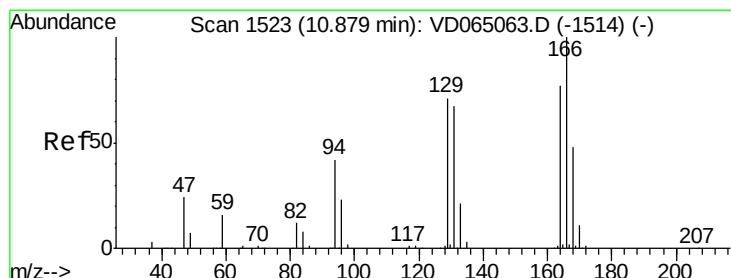
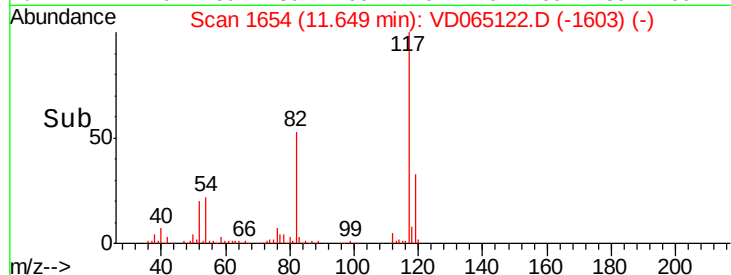
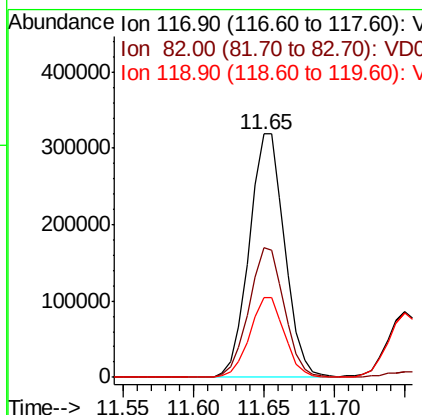
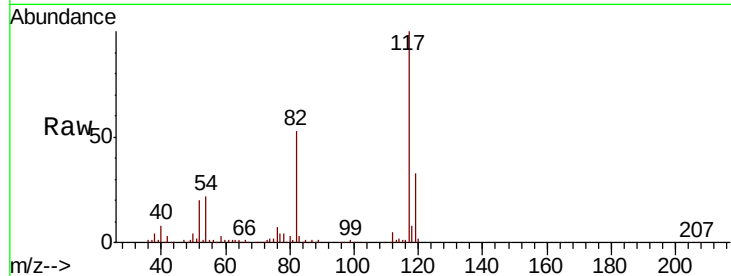




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

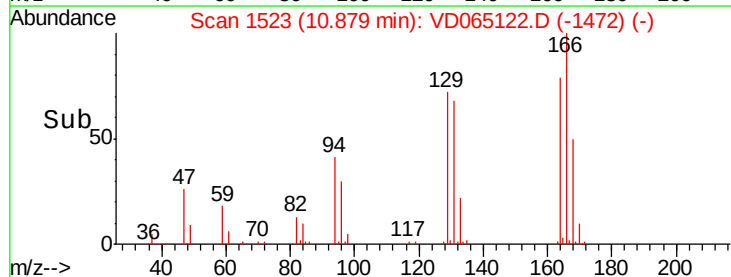
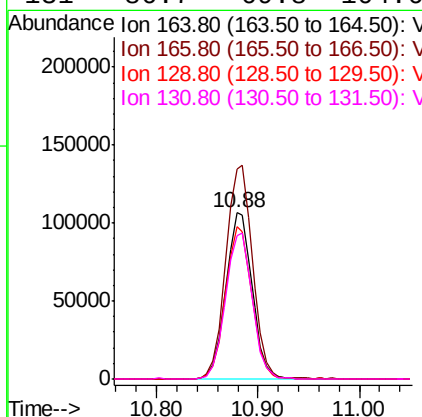
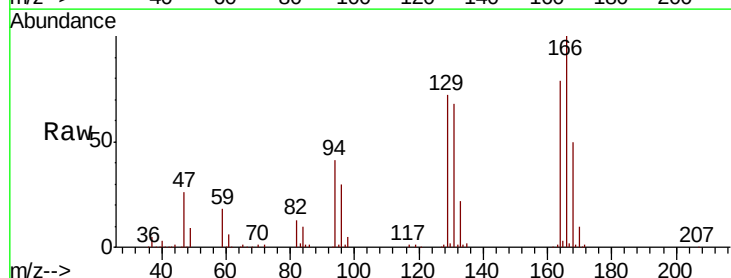
Instrument :
MSVOA_D
ClientSampleId :

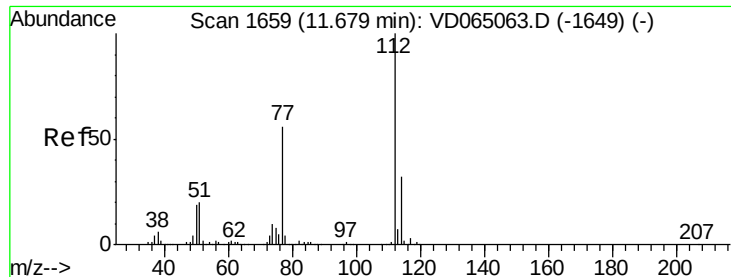
Tot Ion:117 Resp: 563933
Ion Ratio Lower Upper
117 100
82 53.2 43.1 64.7
119 32.8 26.0 39.0



#64
Tetrachloroethene
Concen: 47.473 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion:164 Resp: 192368
Ion Ratio Lower Upper
164 100
166 126.7 103.5 155.3
129 91.6 73.3 109.9
131 86.7 69.8 104.6

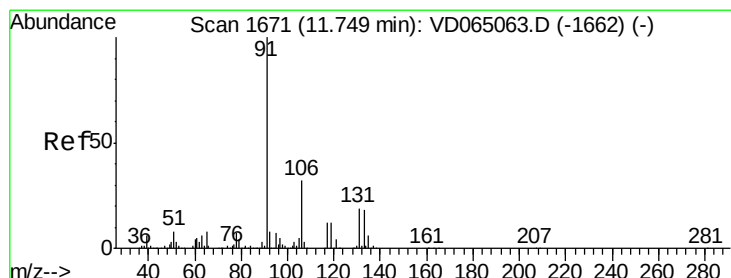
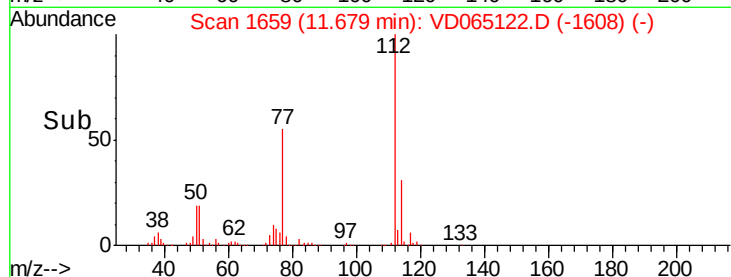
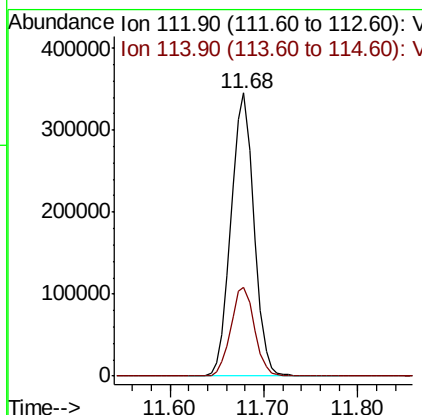
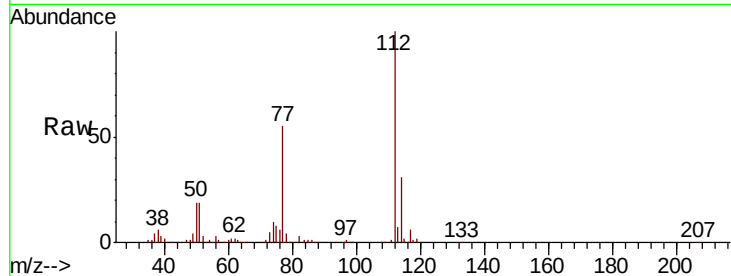




#65
Chlorobenzene
Concen: 53.724 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

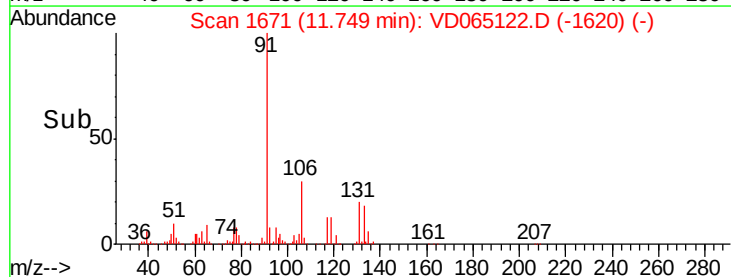
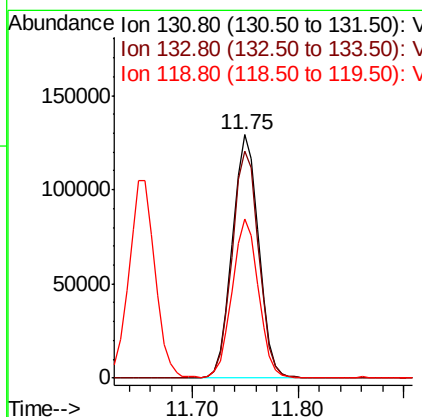
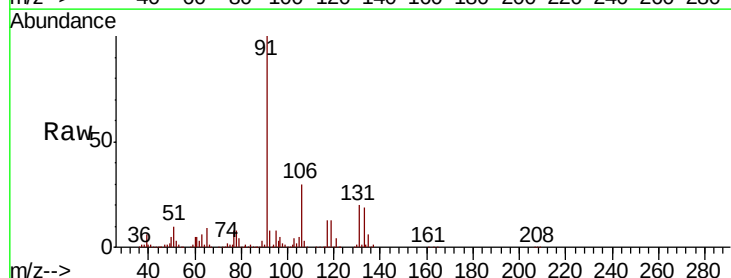
Instrument :
MSVOA_D
ClientSampleId :

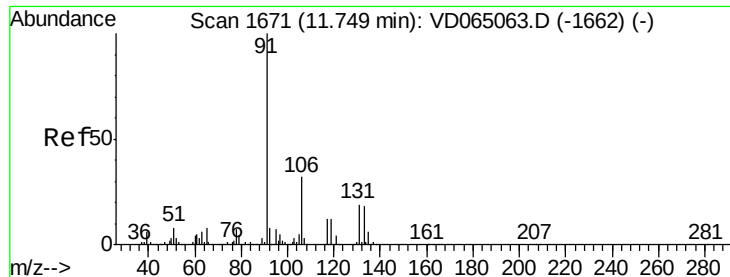
Tot Ion:112 Resp: 585989
Ion Ratio Lower Upper
112 100
114 31.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 55.145 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion:131 Resp: 221996
Ion Ratio Lower Upper
131 100
133 94.5 47.7 143.1
119 65.0 31.3 93.8

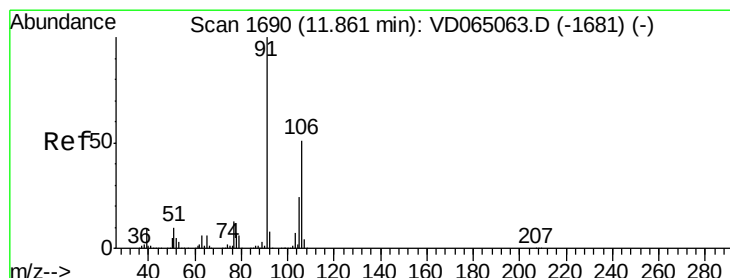
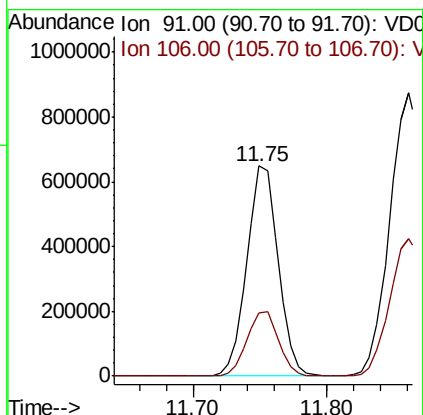
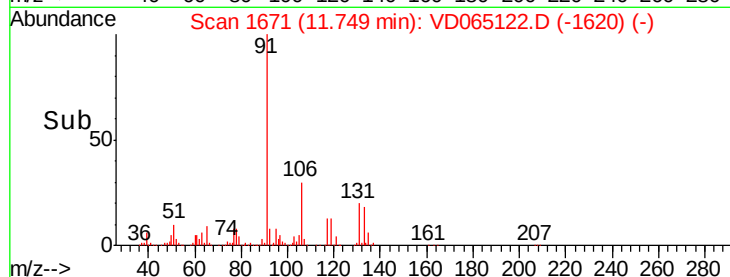
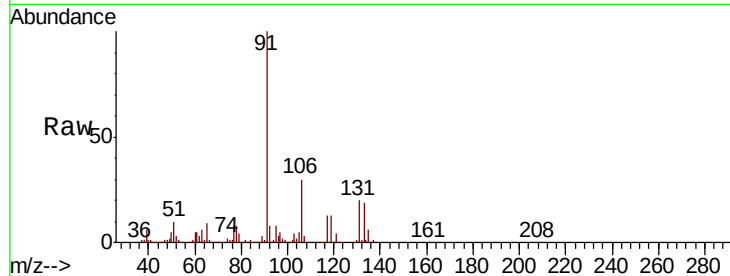




#67
Ethyl Benzene
Concen: 52.988 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

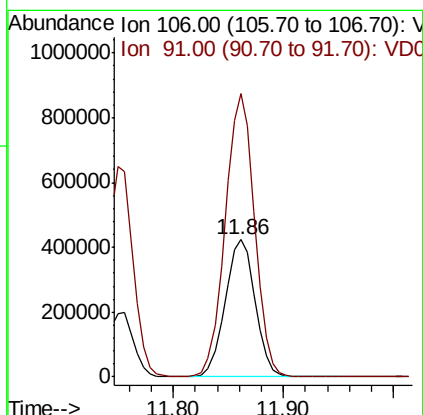
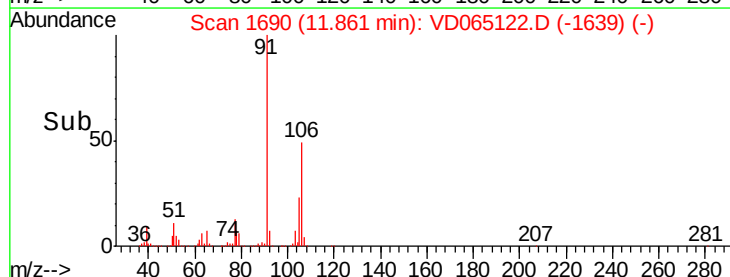
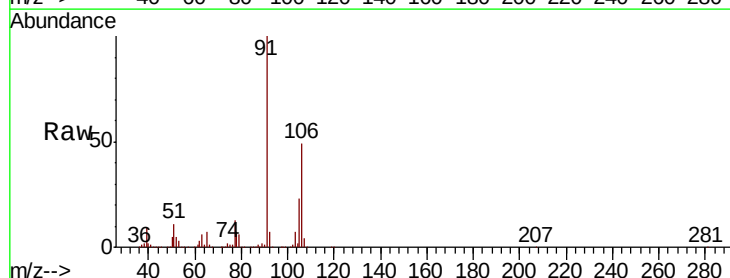
Instrument :
MSVOA_D
ClientSampled :

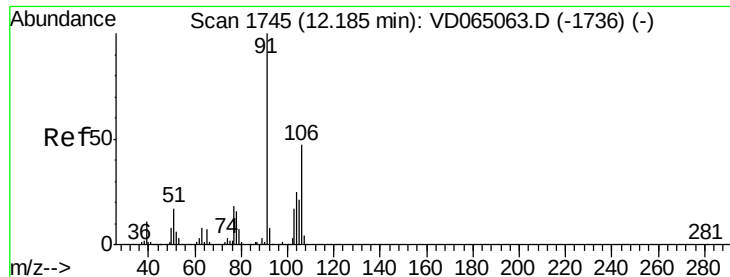
Tot Ion: 91 Resp: 1050030
Ion Ratio Lower Upper
91 100
106 30.0 25.4 38.2



#68
m/p-Xylenes
Concen: 106.495 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion: 106 Resp: 805468
Ion Ratio Lower Upper
106 100
91 201.5 158.9 238.3

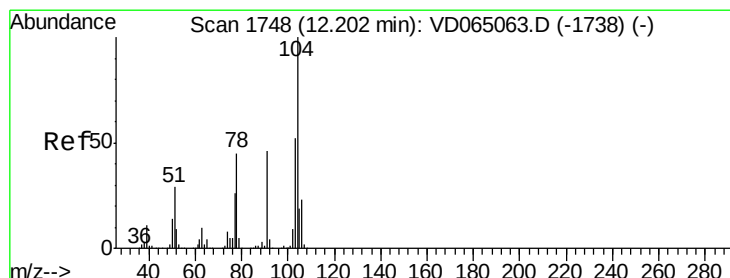
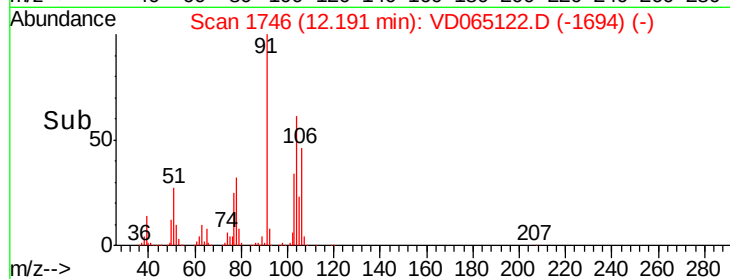
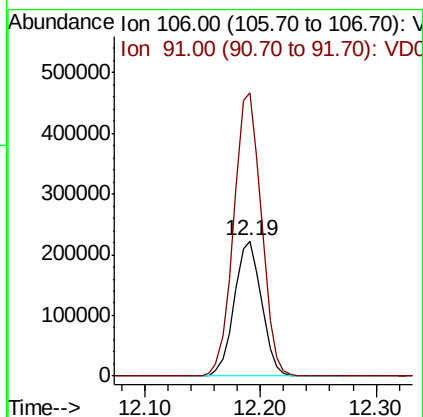
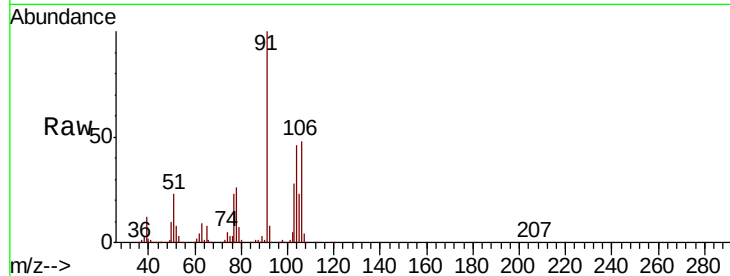




#69
o-Xylene
Concen: 53.311 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

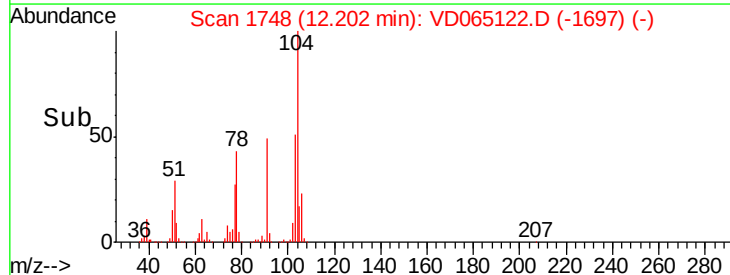
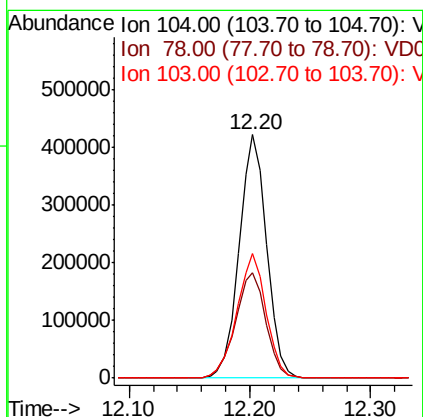
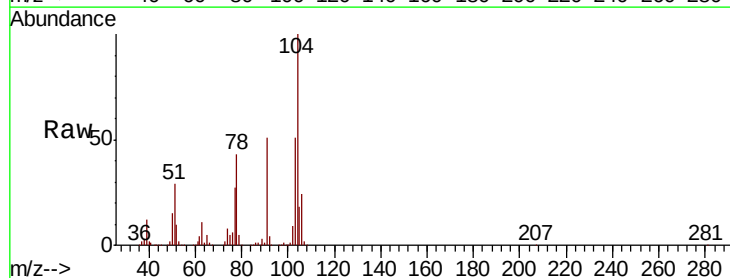
Instrument :
MSVOA_D
ClientSampled :

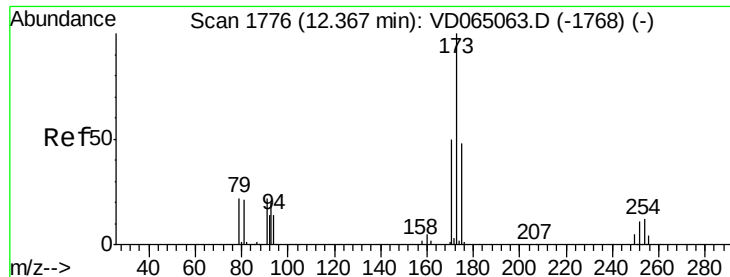
Tot Ion:106 Resp: 363101
Ion Ratio Lower Upper
106 100
91 214.0 104.7 313.9



#70
Styrene
Concen: 56.581 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion:104 Resp: 669783
Ion Ratio Lower Upper
104 100
78 47.9 38.5 57.7
103 54.2 43.8 65.8





#71

Bromoform

Concen: 56.782 ug/l

RT: 12.37 min Scan# 1777

Delta R.T. 0.01 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

ClientSampleId :

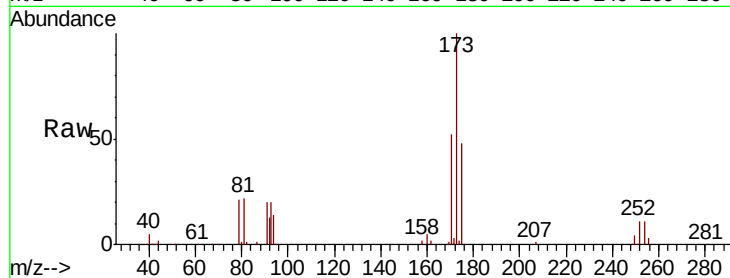
Tot Ion:173 Resp: 123037

Ion Ratio Lower Upper

173 100

175 48.9 24.3 72.8

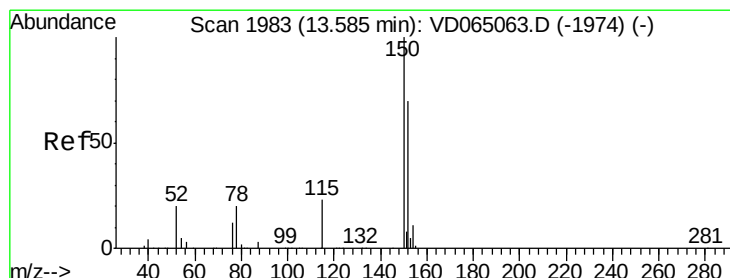
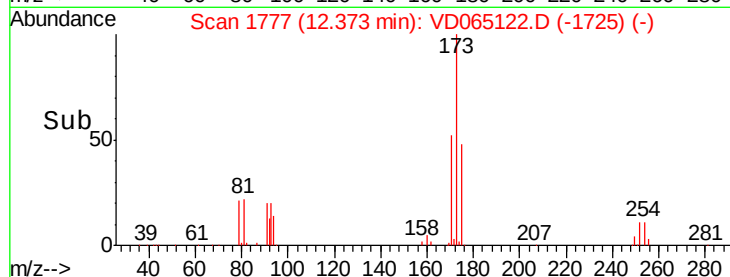
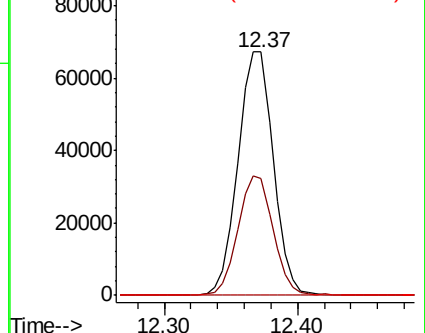
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

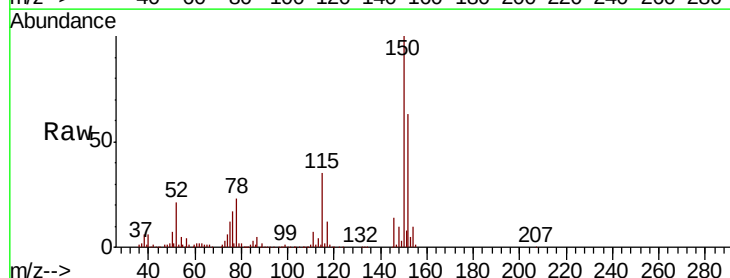
Tgt Ion:152 Resp: 280016

Ion Ratio Lower Upper

152 100

115 55.8 27.5 82.4

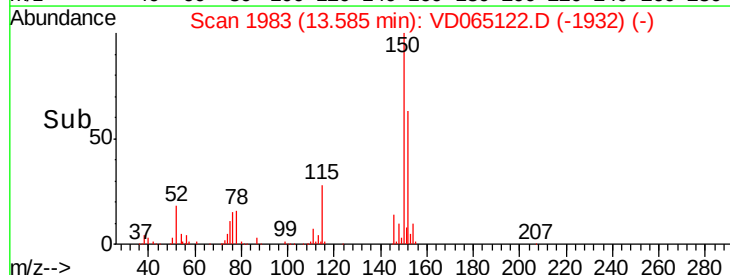
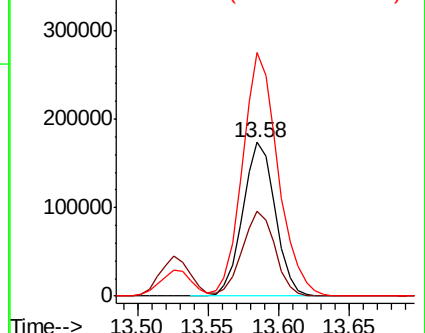
150 173.2 0.0 343.2

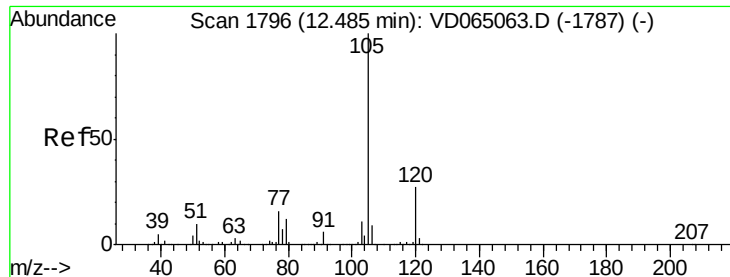


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.175 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

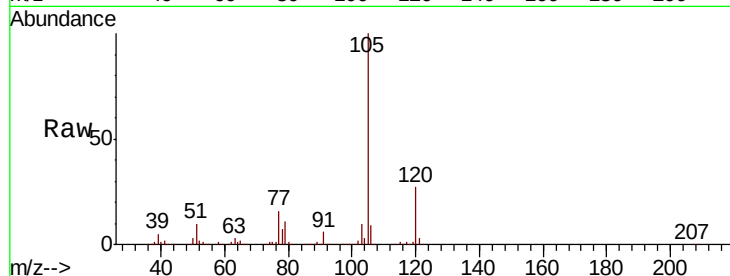
ClientSampleId :

Tot Ion:105 Resp: 964318

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.49

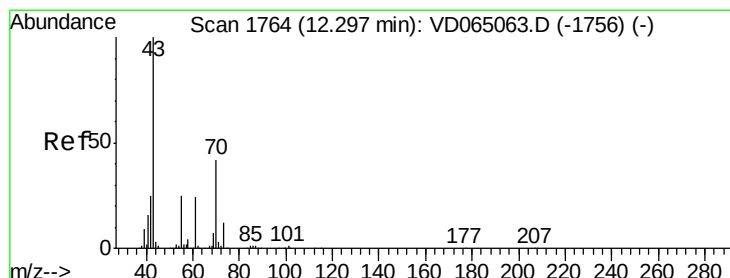
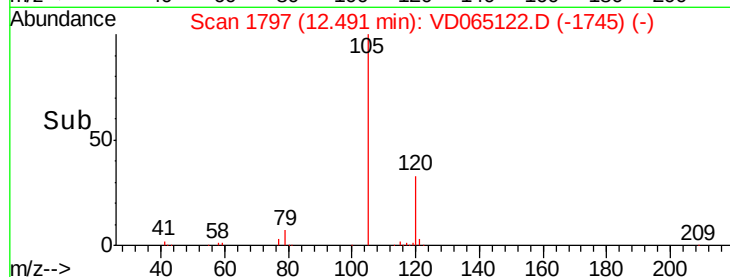
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 57.774 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Tgt Ion: 43 Resp: 241346

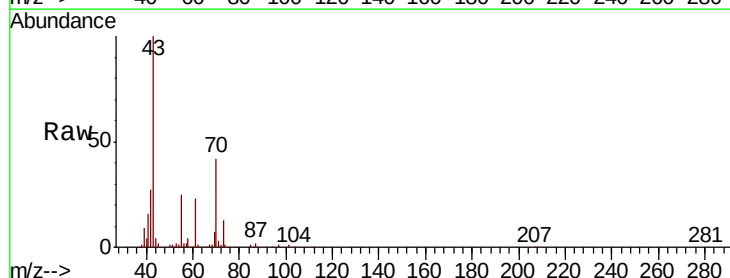
Ion Ratio Lower Upper

43 100

70 41.3 33.5 50.3

55 25.3 19.4 29.2

61 22.7 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

250000

200000

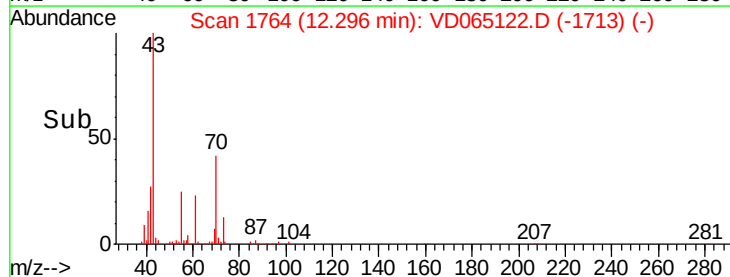
150000

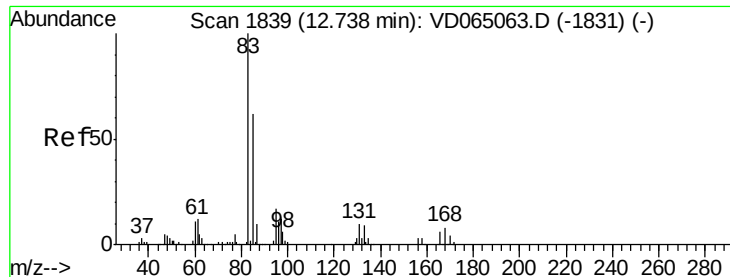
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 56.874 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

ClientSampleId :

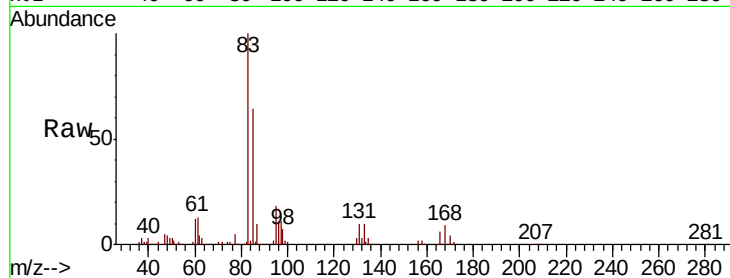
Tot Ion: 83 Resp: 172033

Ion Ratio Lower Upper

83 100

131 10.5 5.5 16.4

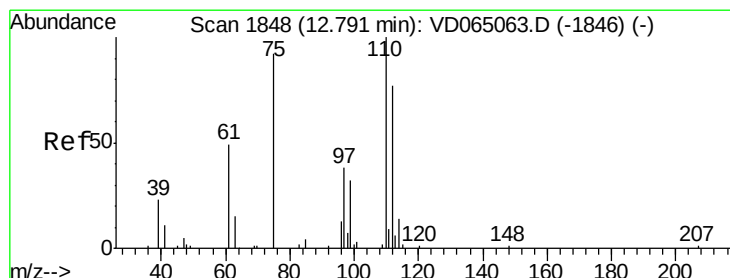
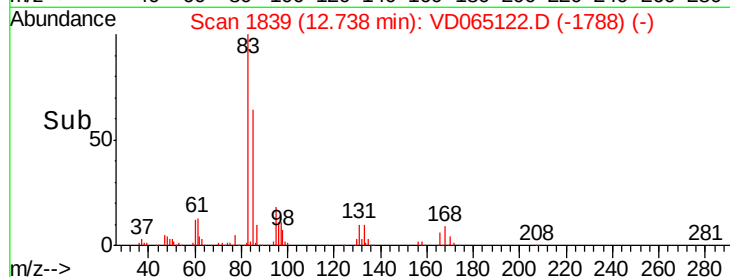
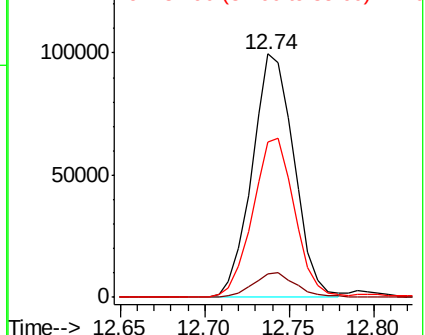
85 65.4 31.8 95.4



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: 109.000 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065122.D

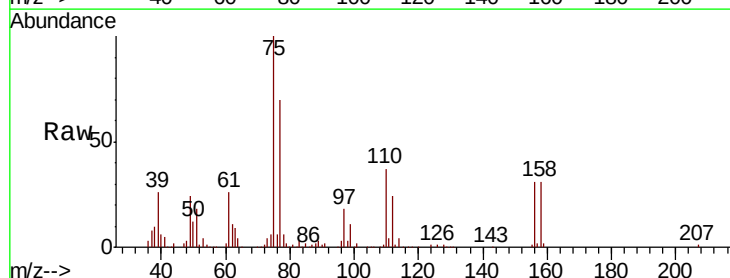
Acq: 07 Feb 2020 21:05

Tgt Ion: 75 Resp: 231081

Ion Ratio Lower Upper

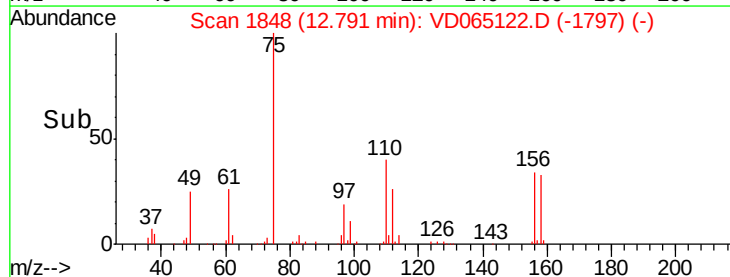
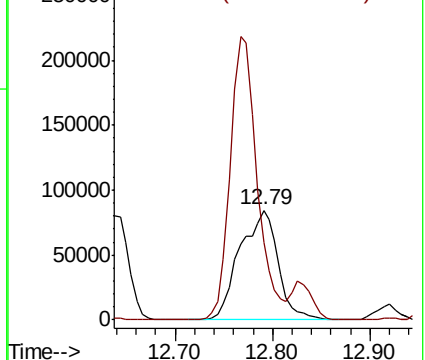
75 100

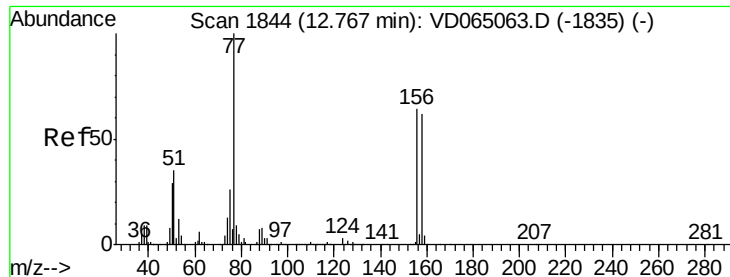
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 52.152 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

ClientSampled :

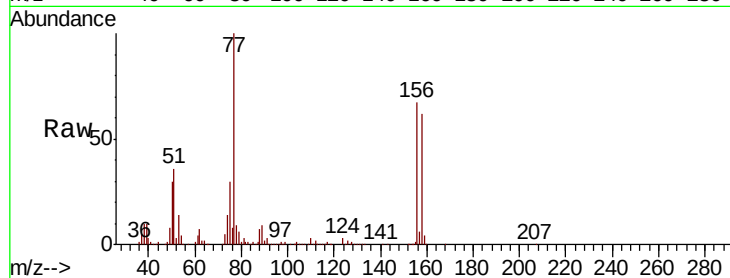
Tot Ion:156 Resp: 241495

Ion Ratio Lower Upper

156 100

77 174.1 85.6 256.8

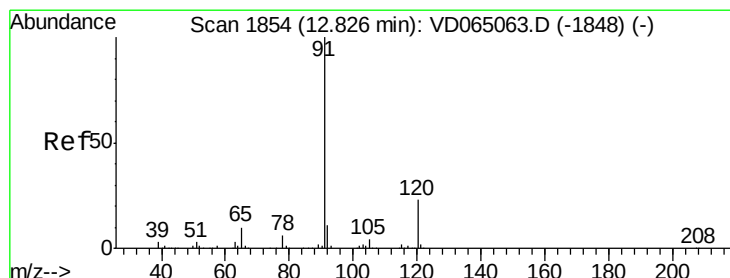
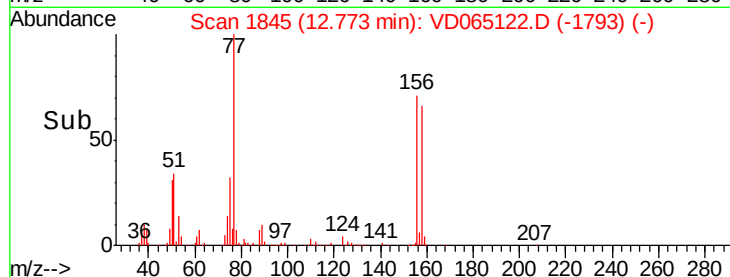
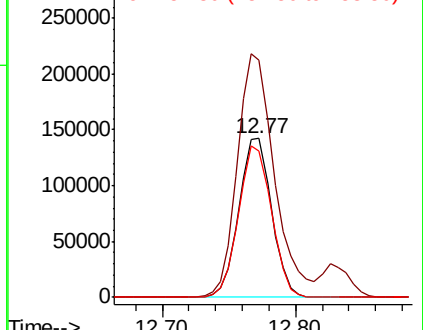
158 95.7 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.834 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065122.D

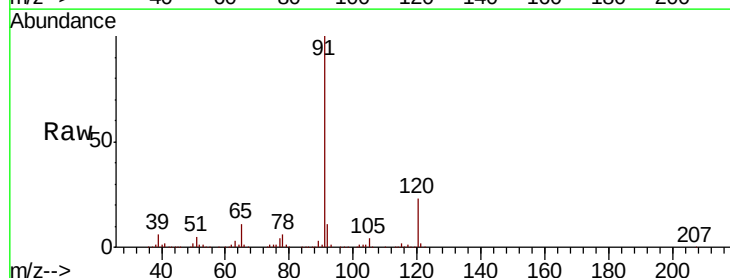
Acq: 07 Feb 2020 21:05

Tgt Ion: 91 Resp: 1144149

Ion Ratio Lower Upper

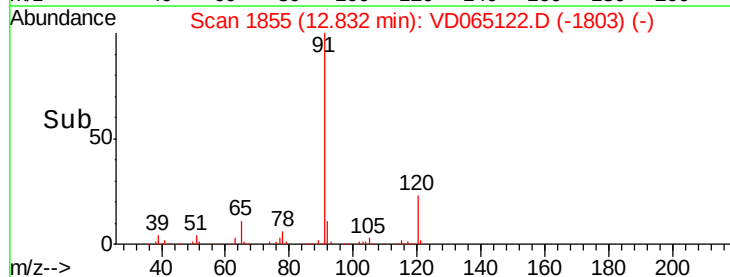
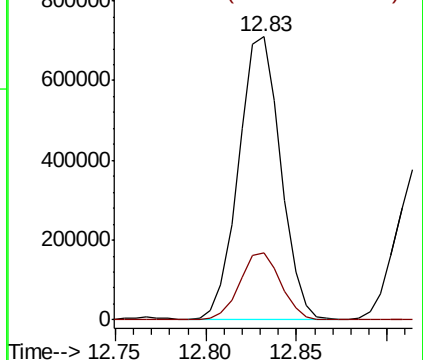
91 100

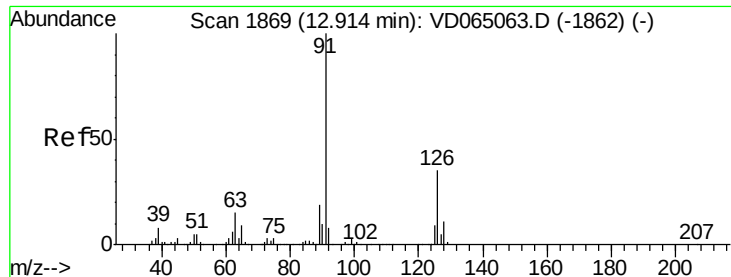
120 23.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

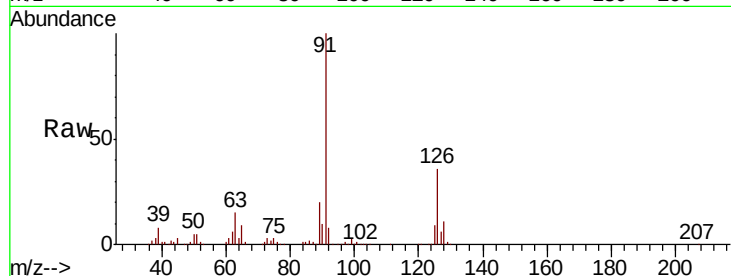




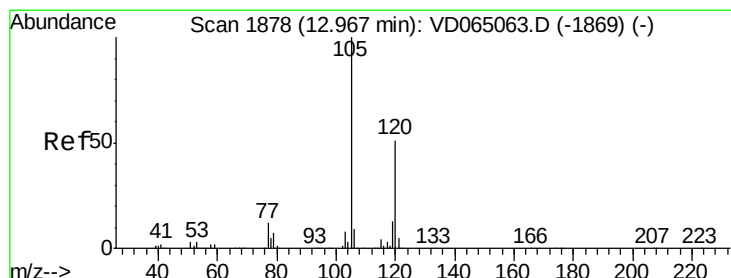
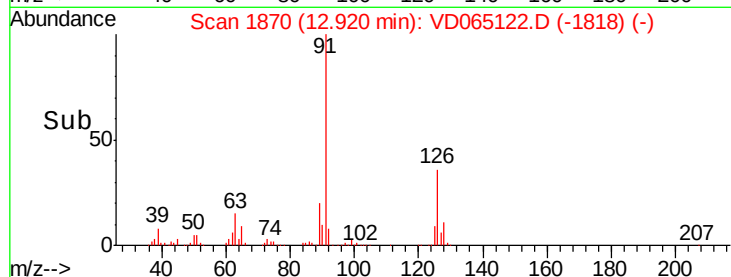
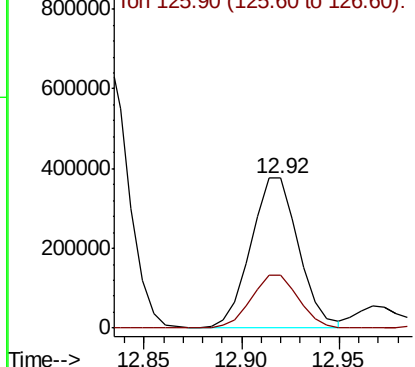
#79
2-Chlorotoluene
Concen: 50.965 ug/l
RT: 12.92 min Scan# 1870
Delta R.T. 0.01 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 639405
Ion Ratio Lower Upper
91 100
126 35.3 17.4 52.3

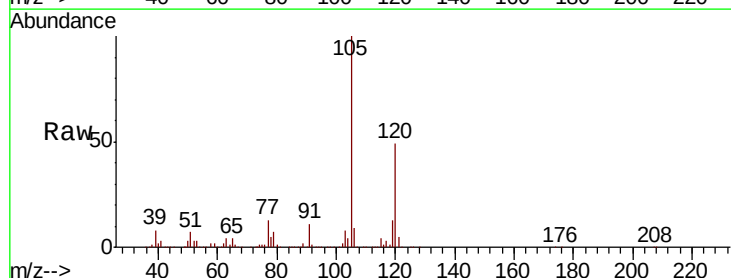


Abundance Ion 91.00 (90.70 to 91.70): VD
Ion 125.90 (125.60 to 126.60): V

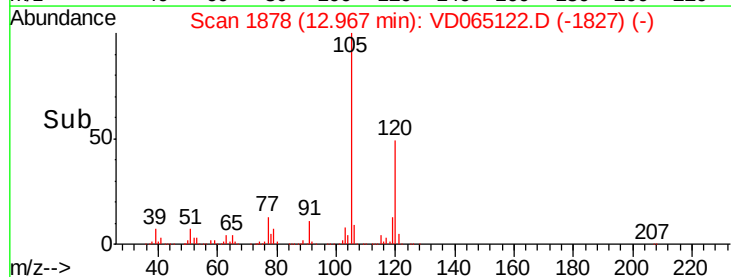
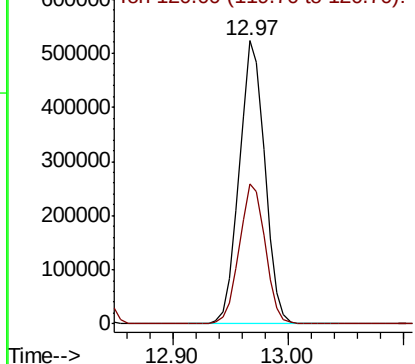


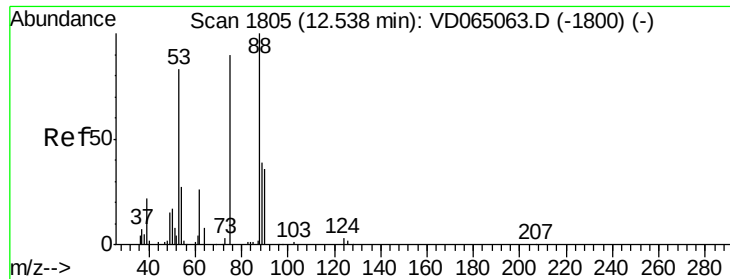
#80
1,3,5-Trimethylbenzene
Concen: 51.093 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion:105 Resp: 803352
Ion Ratio Lower Upper
105 100
120 50.0 25.1 75.4



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

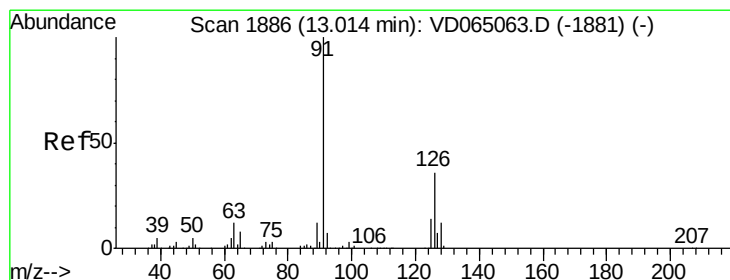
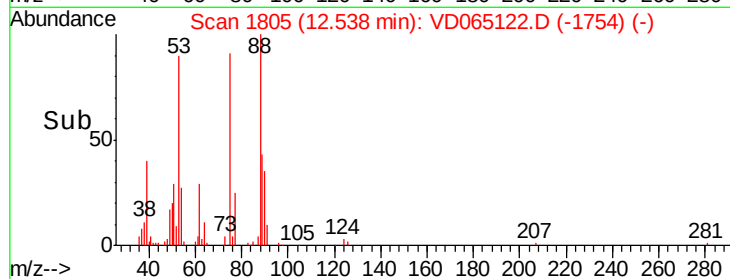
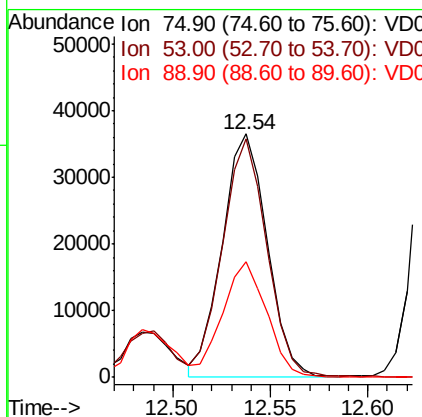
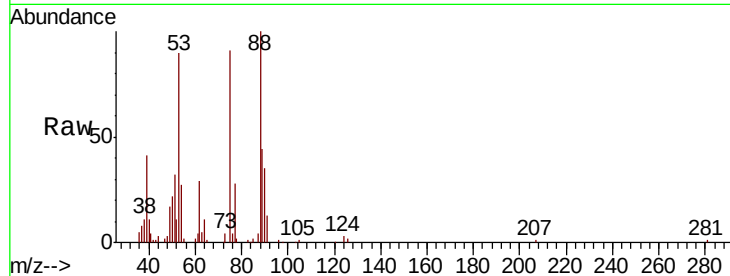




#81
trans-1,4-Dichloro-2-butene
Concen: 55.393 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

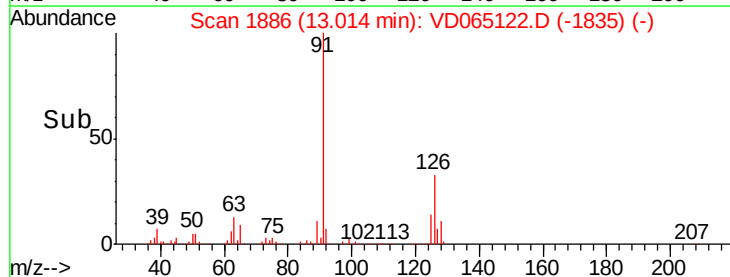
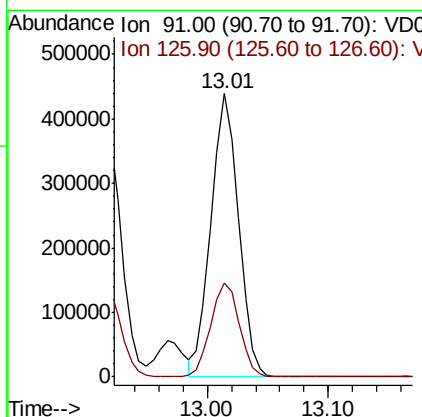
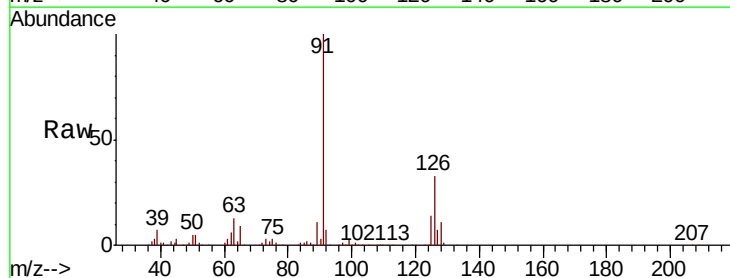
Instrument :
MSVOA_D
ClientSampleId :

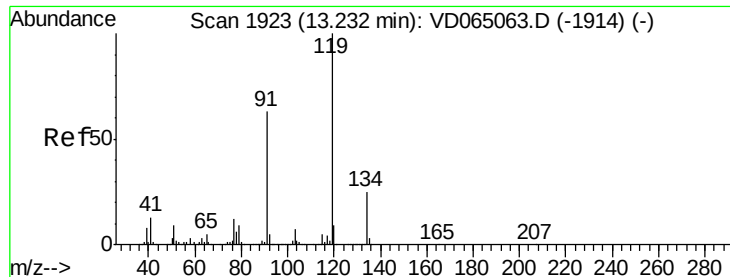
Tot Ion: 75 Resp: 58719
Ion Ratio Lower Upper
75 100
53 96.3 78.5 117.7
89 46.6 37.0 55.4



#82
4-Chlorotoluene
Concen: 52.335 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion: 91 Resp: 689586
Ion Ratio Lower Upper
91 100
126 34.8 17.5 52.5





#83

tert-Butylbenzene

Concen: 50.575 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

ClientSampled :

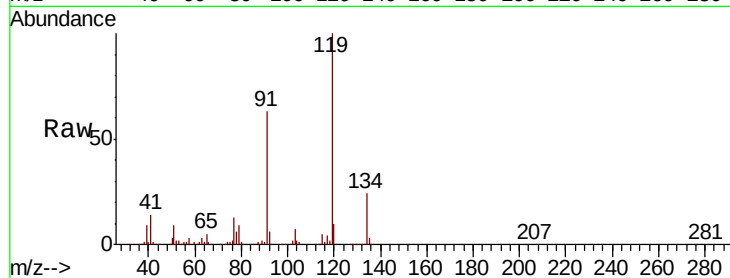
Tot Ion:119 Resp: 686046

Ion Ratio Lower Upper

119 100

91 62.1 32.3 96.9

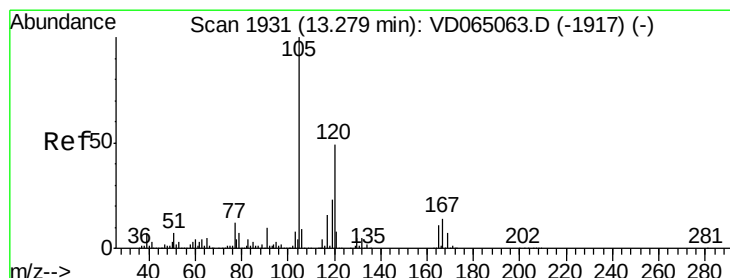
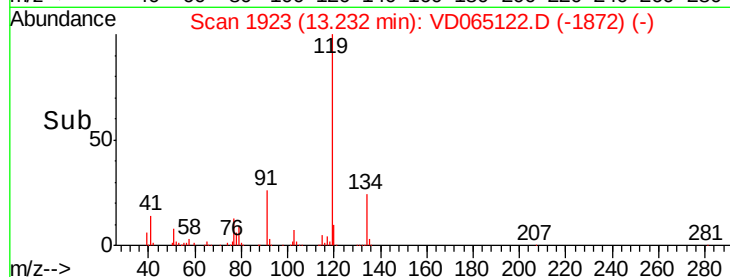
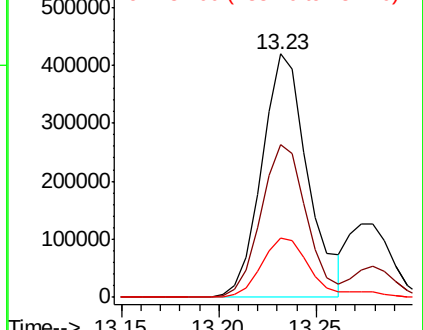
134 26.6 13.8 41.3



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



#84

1,2,4-Trimethylbenzene

Concen: 51.929 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. -0.00 min

Lab File: VD065122.D

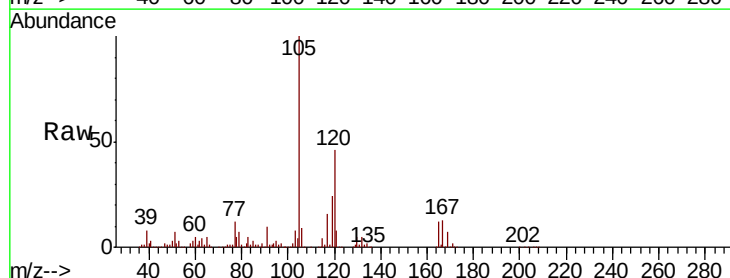
Acq: 07 Feb 2020 21:05

Tgt Ion:105 Resp: 810610

Ion Ratio Lower Upper

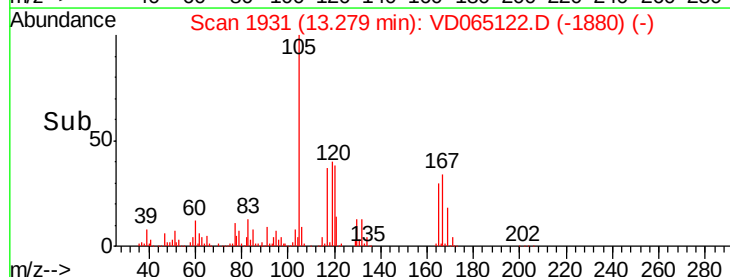
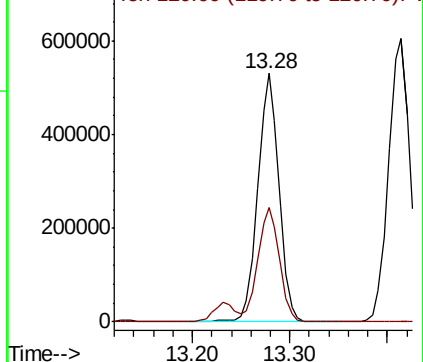
105 100

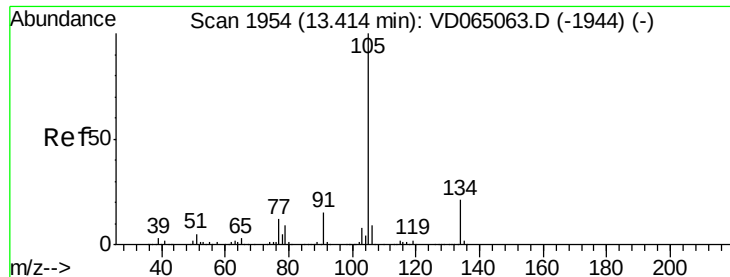
120 46.7 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.991 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

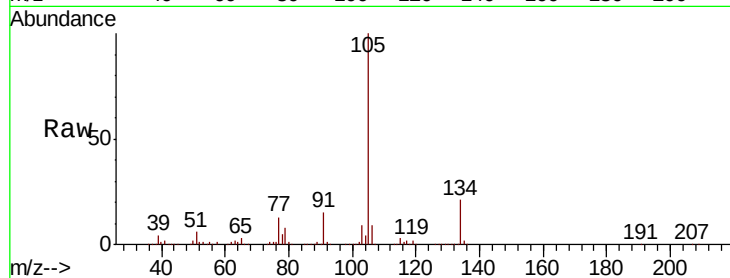
ClientSampleId :

Tot Ion:105 Resp: 926190

Ion Ratio Lower Upper

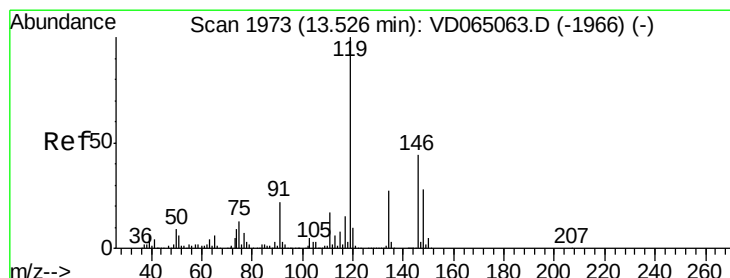
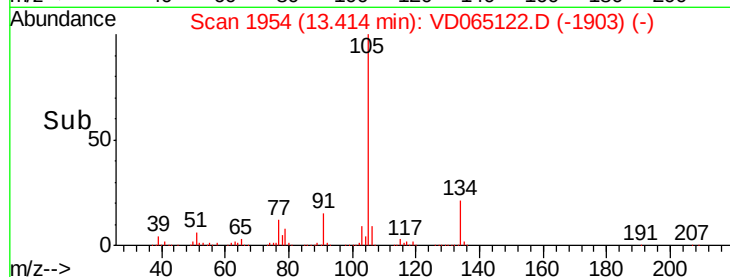
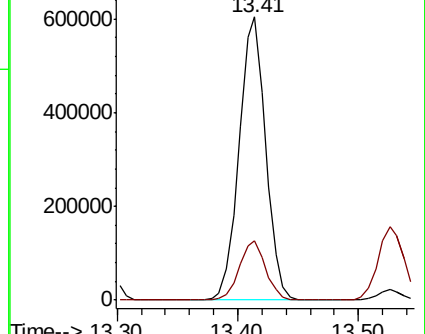
105 100

134 20.6 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: 51.531 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

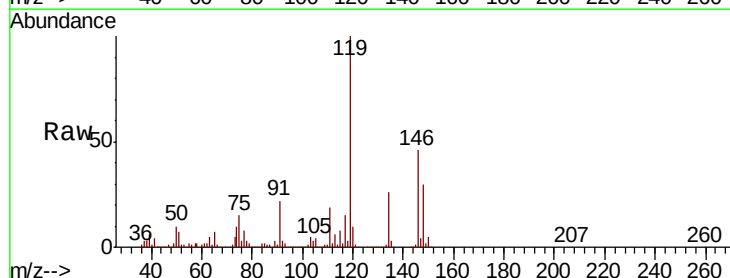
Tgt Ion:119 Resp: 887051

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

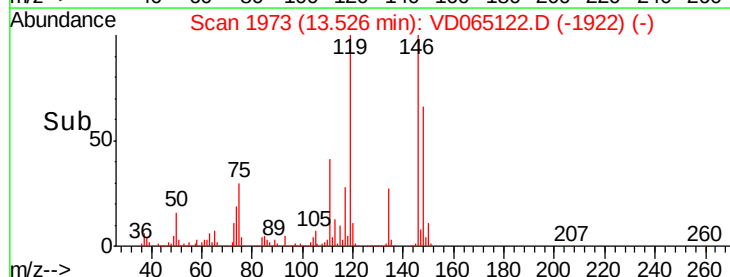
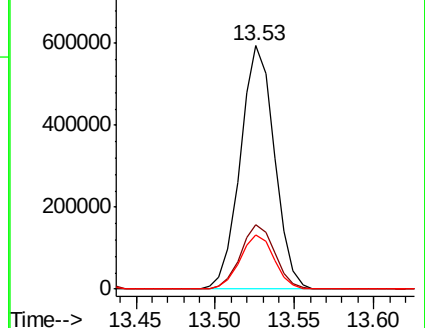
91 22.3 11.3 33.9

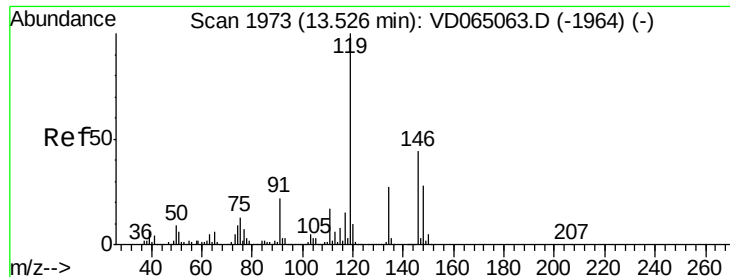


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.691 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

ClientSampleId :

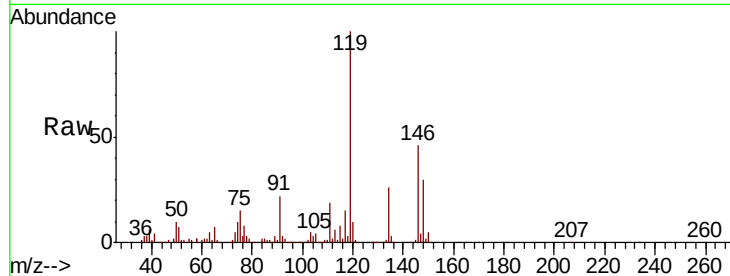
Tot Ion:146 Resp: 456825

Ion Ratio Lower Upper

146 100

111 38.6 19.4 58.4

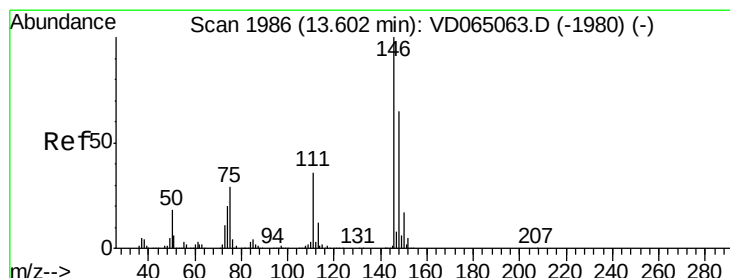
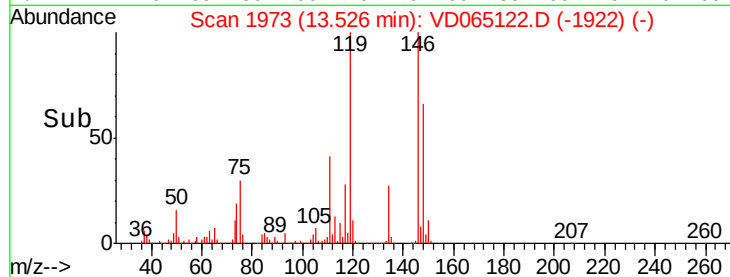
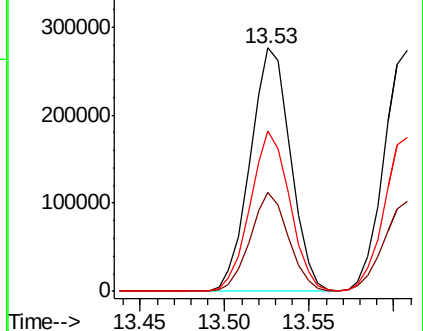
148 64.6 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 52.050 ug/l

RT: 13.61 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

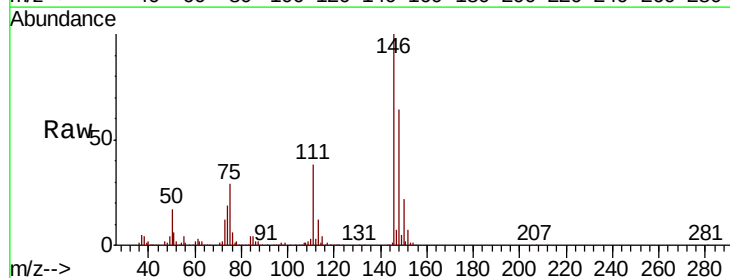
Tgt Ion:146 Resp: 449138

Ion Ratio Lower Upper

146 100

111 37.2 18.5 55.5

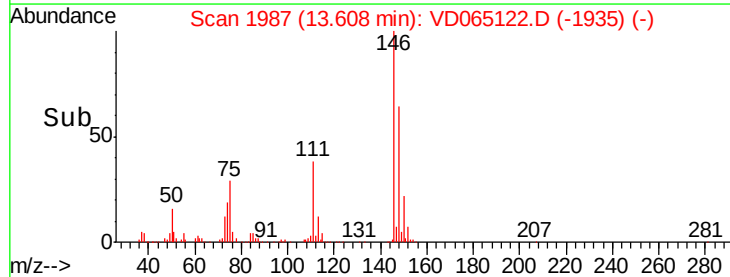
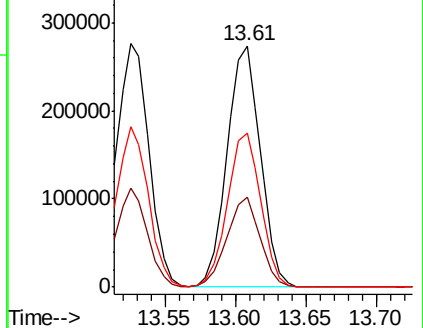
148 64.1 32.7 98.1

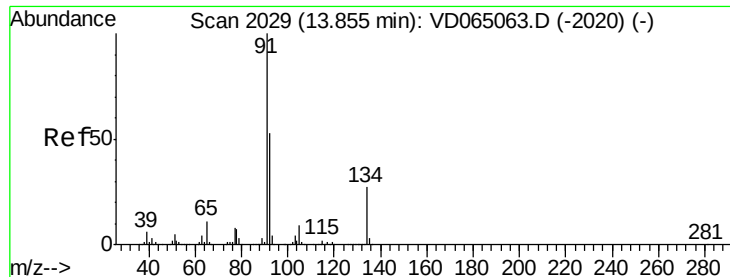


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

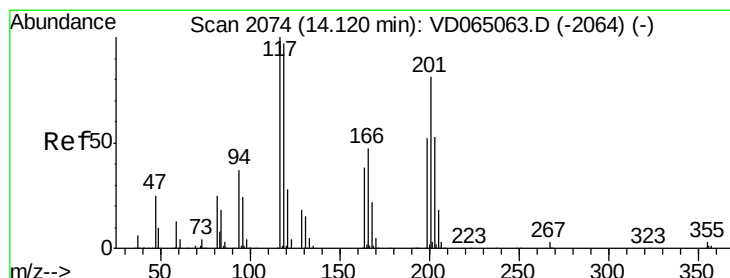
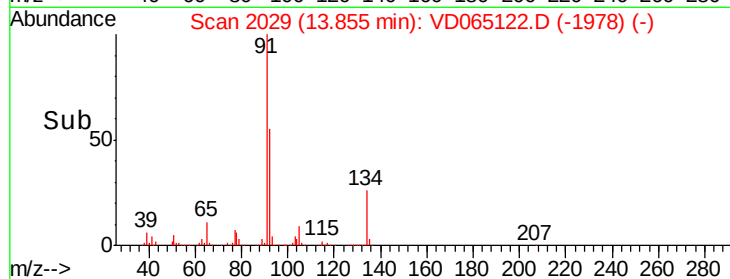
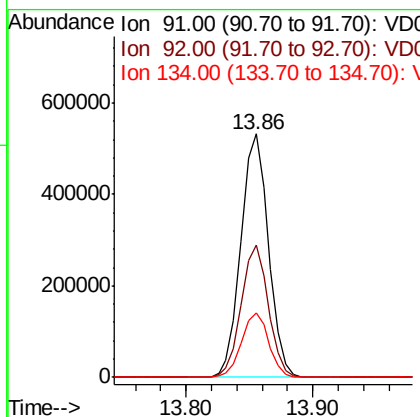
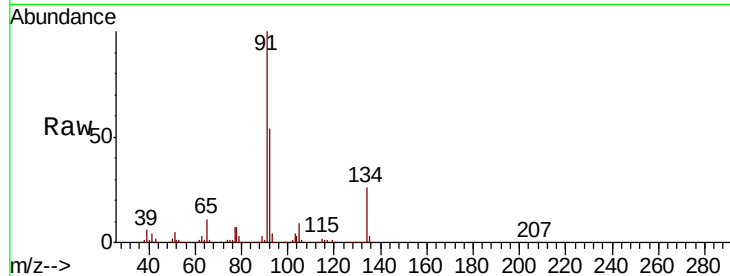




#89
n-Butylbenzene
Concen: 50.486 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

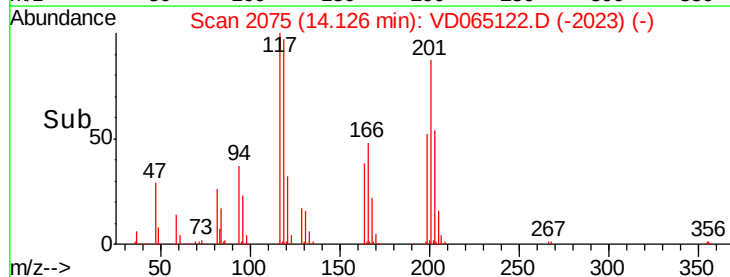
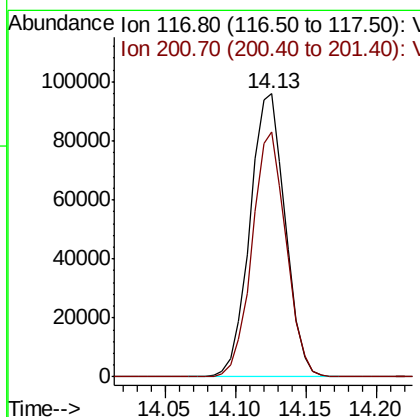
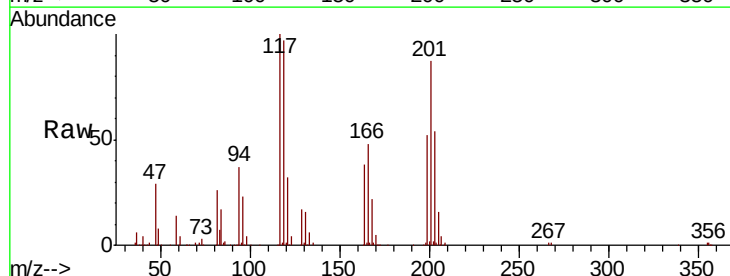
Instrument :
MSVOA_D
ClientSampleId :

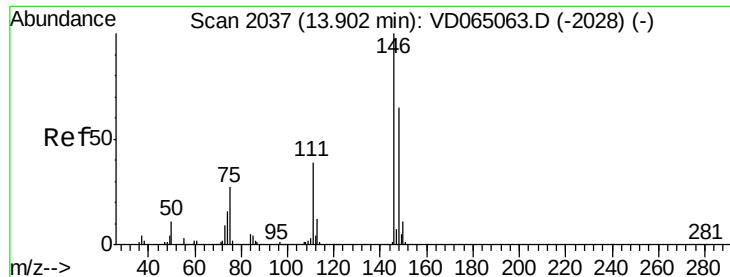
Tot Ion: 91 Resp: 802150
Ion Ratio Lower Upper
91 100
92 53.4 26.7 80.1
134 26.3 13.4 40.2



#90
Hexachloroethane
Concen: 51.593 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion: 117 Resp: 168173
Ion Ratio Lower Upper
117 100
201 83.8 42.5 127.6

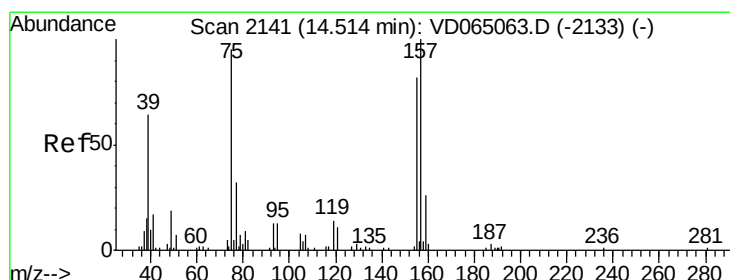
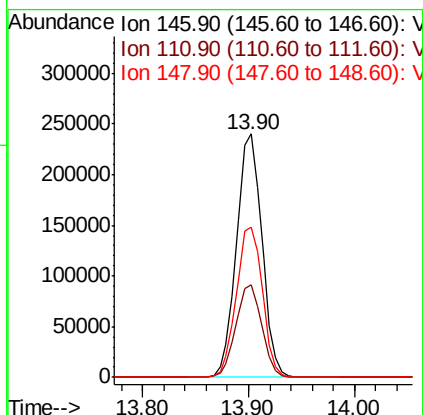
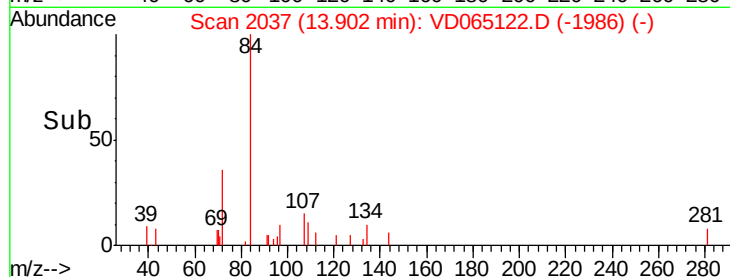
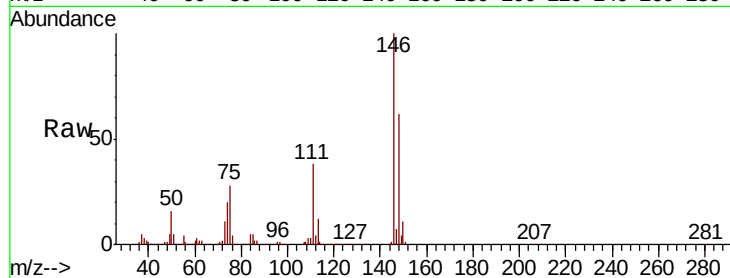




#91
 1,2-Dichlorobenzene
 Concen: 53.698 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

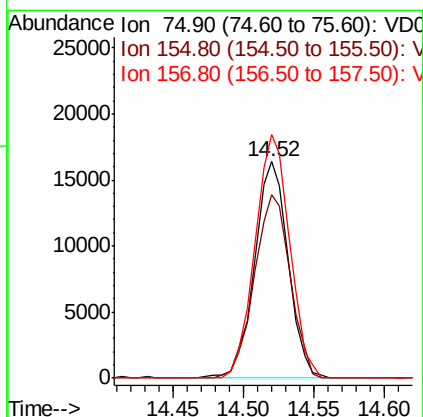
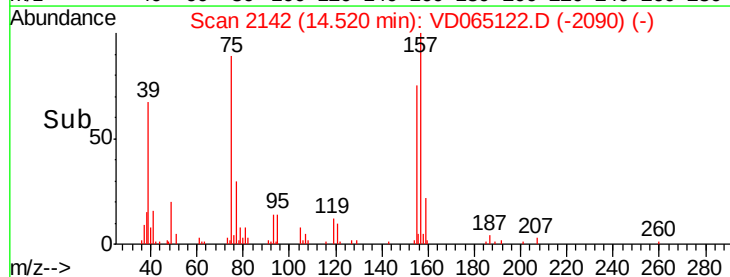
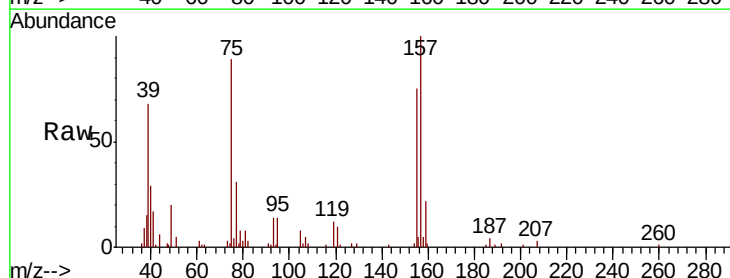
Instrument :
 MSVOA_D
 ClientSampleId :

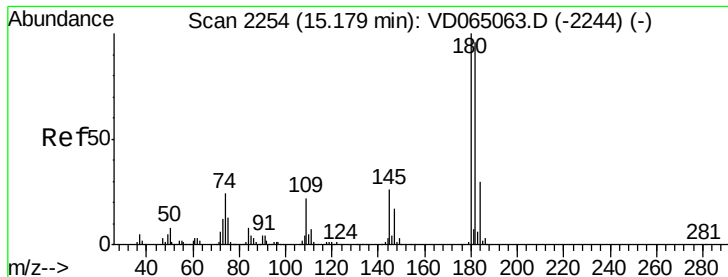
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.1
148	63.2	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.507 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.8	43.4	130.1
157	115.8	55.8	167.3

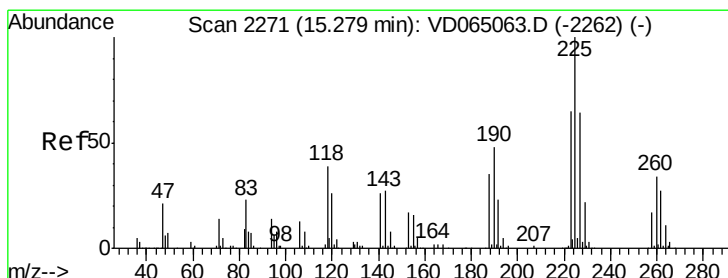
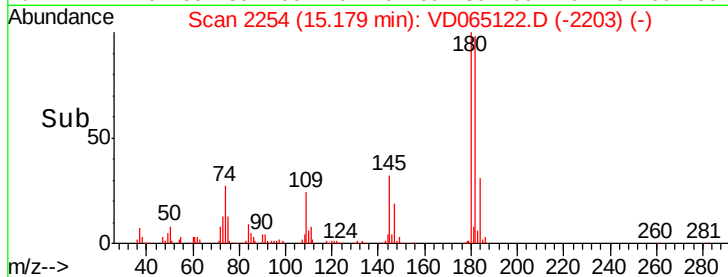
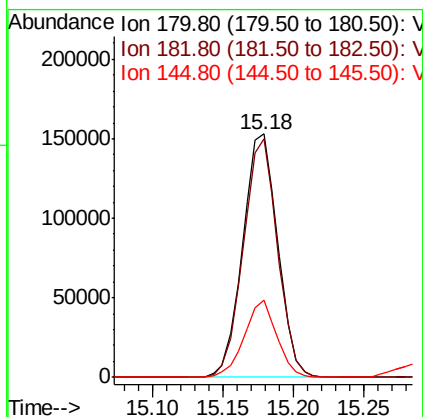
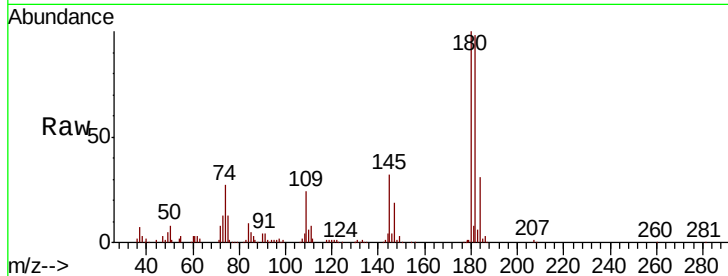




#93
 1,2,4-Trichlorobenzene
 Concen: 50.153 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

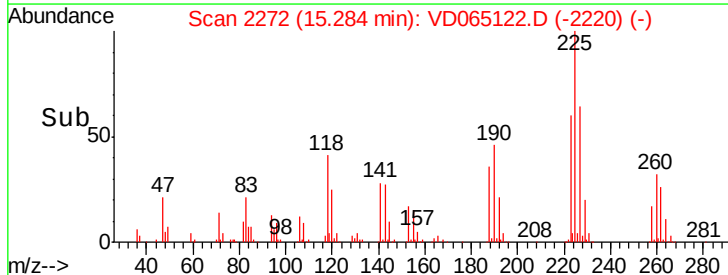
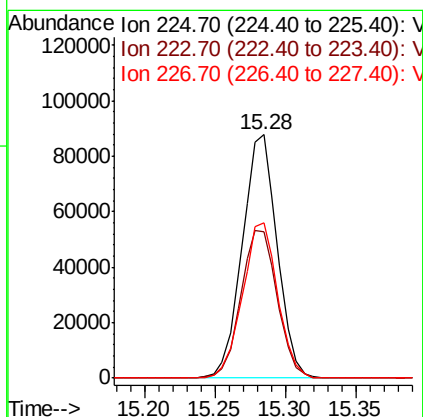
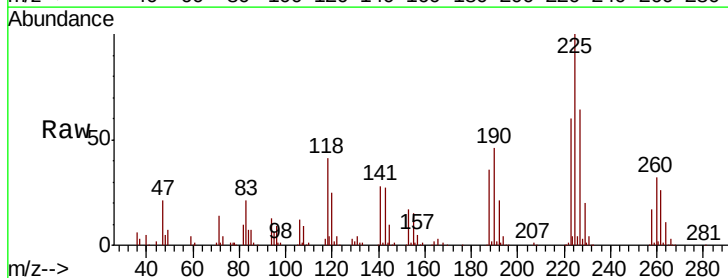
Instrument :
 MSVOA_D
 ClientSampleId :

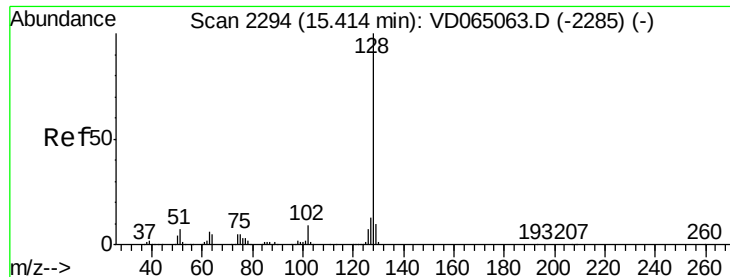
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.4	142.3
145	29.4	14.1	42.4



#94
 Hexachlorobutadiene
 Concen: 46.492 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.4	94.0
227	64.6	31.8	95.3





#95

Naphthalene

Concen: 53.393 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

ClientSampleId :

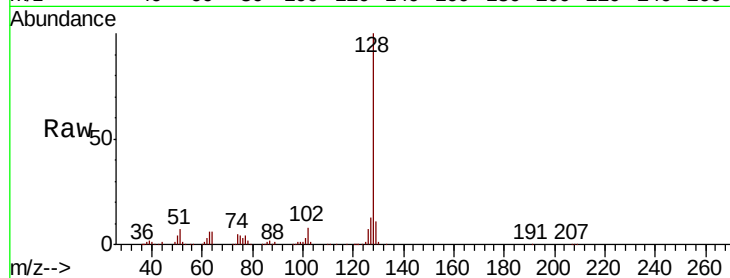
Tot Ion:128 Resp: 471019

Ion Ratio Lower Upper

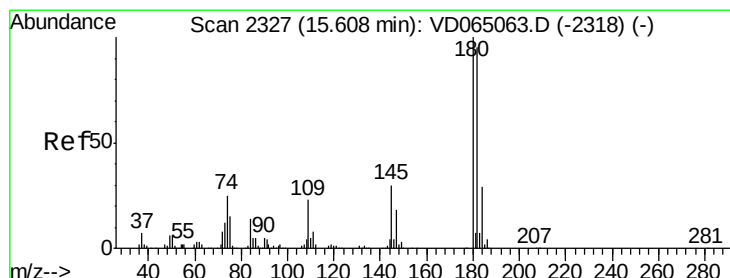
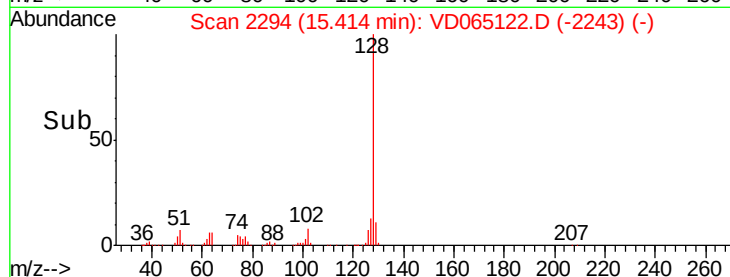
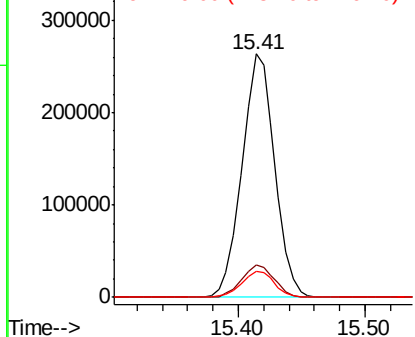
128 100

127 13.5 10.6 15.8

129 10.9 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: 52.151 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

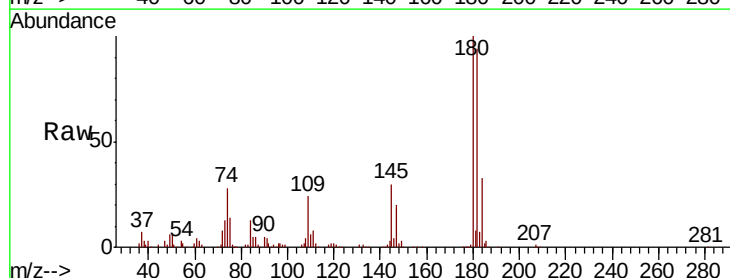
Tgt Ion:180 Resp: 236762

Ion Ratio Lower Upper

180 100

182 94.2 47.1 141.4

145 30.1 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

