

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021120\
 Data File : VD065143.D
 Acq On : 11 Feb 2020 11:47
 Operator : VA/SY
 Sample : VD0211SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 12 06:56:28 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	461328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	679586	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	613466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	298866	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	208945	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
35) Dibromofluoromethane	7.92	113	211082	55.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.34%	
50) Toluene-d8	10.34	98	824713	54.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.30%	
62) 4-Bromofluorobenzene	12.64	95	260313	54.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	81752	21.295	ug/l	97
3) Chloromethane	2.21	50	107683	23.828	ug/l	96
4) Vinyl Chloride	2.35	62	111280	23.284	ug/l	100
5) Bromomethane	2.76	94	66679	21.517	ug/l	97
6) Chloroethane	2.92	64	68164	22.992	ug/l	92
7) Trichlorofluoromethane	3.27	101	161729	23.253	ug/l	99
8) Diethyl Ether	3.70	74	43228	21.650	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	91956	21.627	ug/l	97
10) Methyl Iodide	4.29	142	88434	18.222	ug/l	98
11) Tert butyl alcohol	5.25	59	22250	92.878	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	88496	21.732	ug/l	99
13) Acrolein	3.93	56	25801	87.564	ug/l	98
14) Allyl chloride	4.71	41	145642	21.519	ug/l	97
15) Acrylonitrile	5.43	53	94928	108.745	ug/l	99
16) Acetone	4.16	43	97872	99.840	ug/l	96
17) Carbon Disulfide	4.40	76	289080	22.109	ug/l	96
18) Methyl Acetate	4.73	43	47485	23.185	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	183028	20.325	ug/l	96
20) Methylene Chloride	4.96	84	107150	22.670	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	100116	21.730	ug/l	98
22) Diisopropyl ether	6.37	45	285617	22.373	ug/l	99
23) Vinyl Acetate	6.31	43	744067	104.570	ug/l	99
24) 1,1-Dichloroethane	6.26	63	174483	22.581	ug/l	99
25) 2-Butanone	7.23	43	123758	105.836	ug/l	96
26) 2,2-Dichloropropane	7.21	77	155249	22.416	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	106387	21.736	ug/l	98
28) Bromochloromethane	7.55	49	57980	19.794	ug/l	99
29) Tetrahydrofuran	7.57	42	74603	105.499	ug/l	97
30) Chloroform	7.71	83	177338	23.049	ug/l	97
31) Cyclohexane	7.99	56	165694	21.243	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	159666	22.278	ug/l	99
36) 1,1-Dichloropropene	8.11	75	138634	21.939	ug/l	98
37) Ethyl Acetate	7.30	43	55213	21.387	ug/l	99
38) Carbon Tetrachloride	8.10	117	146307	22.669	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	161087	20.653	ug/l	98
40) Benzene	8.35	78	393110	22.528	ug/l	100
41) Methacrylonitrile	7.57	41	78001	54.843	ug/l #	31
42) 1,2-Dichloroethane	8.43	62	109414	22.005	ug/l	98
43) Isopropyl Acetate	8.46	43	104189	21.098	ug/l	100
44) Trichloroethene	9.11	130	110900	22.141	ug/l	99
45) 1,2-Dichloropropane	9.39	63	98326	23.501	ug/l	98
46) Dibromomethane	9.48	93	50768	23.092	ug/l	98
47) Bromodichloromethane	9.67	83	134031	23.137	ug/l	98
48) Methyl methacrylate	9.46	41	47271	19.892	ug/l	95
49) 1,4-Dioxane	9.47	88	11837	454.573	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	257148	105.789	ug/l	99
52) Toluene	10.41	92	251013	22.538	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	125843	22.312	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	147997	21.940	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	67922	22.524	ug/l	97
56) Ethyl methacrylate	10.67	69	80165	21.010	ug/l	97
57) 1,3-Dichloropropane	10.95	76	119115	22.463	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	124490	88.720	ug/l	99
59) 2-Hexanone	10.99	43	185294	107.619	ug/l	97
60) Dibromochloromethane	11.14	129	90520	23.175	ug/l	99
61) 1,2-Dibromoethane	11.25	107	67109	22.775	ug/l	98
64) Tetrachloroethene	10.88	164	94705	21.484	ug/l	99
65) Chlorobenzene	11.68	112	266862	22.491	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	96783	22.100	ug/l	99
67) Ethyl Benzene	11.75	91	462446	21.452	ug/l	98
68) m/p-Xylenes	11.86	106	366622	44.559	ug/l	98
69) o-Xylene	12.18	106	156837	21.168	ug/l	98
70) Styrene	12.20	104	284822	22.118	ug/l	99
71) Bromoform	12.37	173	52090	22.099	ug/l #	99
73) Isopropylbenzene	12.48	105	440090	21.454	ug/l	99
74) N-amyl acetate	12.30	43	91143	20.442	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	73144	22.656	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	96532	42.662	ug/l #	100
77) Bromobenzene	12.77	156	106092	21.466	ug/l	98
78) n-propylbenzene	12.83	91	530516	22.084	ug/l	99
79) 2-Chlorotoluene	12.91	91	288237	21.526	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	363333	21.650	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	23632	20.887	ug/l	99
82) 4-Chlorotoluene	13.01	91	310288	22.064	ug/l	100
83) tert-Butylbenzene	13.23	119	295297	20.396	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	359185	21.559	ug/l	99
85) sec-Butylbenzene	13.41	105	427981	21.643	ug/l	100
86) p-Isopropyltoluene	13.53	119	392230	21.348	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	204316	22.080	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	199835	21.698	ug/l	99
89) n-Butylbenzene	13.86	91	366752	21.627	ug/l	99
90) Hexachloroethane	14.12	117	78170	22.469	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	172884	21.812	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11216	21.282	ug/l	98

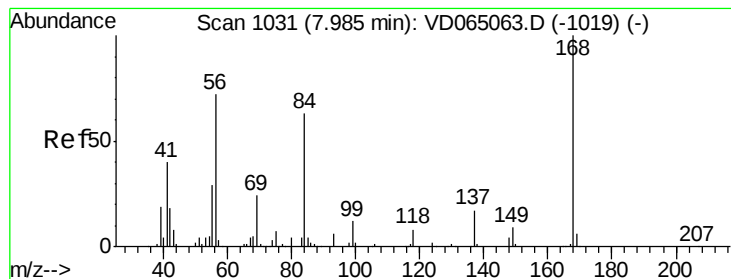
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	115739	20.431	ug/l	100
94) Hexachlorobutadiene	15.28	225	72123	20.706	ug/l	96
95) Naphthalene	15.41	128	177947	18.899	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	98207	20.267	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

Instrument :

MSVOA_D

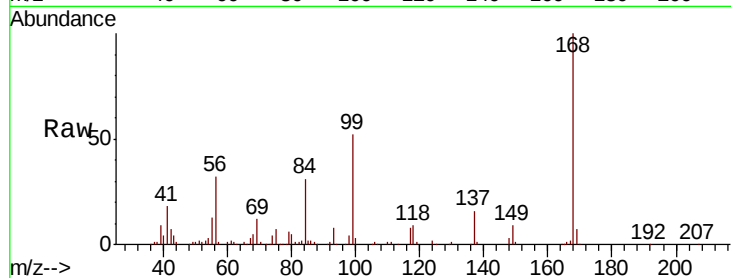
ClientSampleId :

Tot Ion:168 Resp: 461328

Ion Ratio Lower Upper

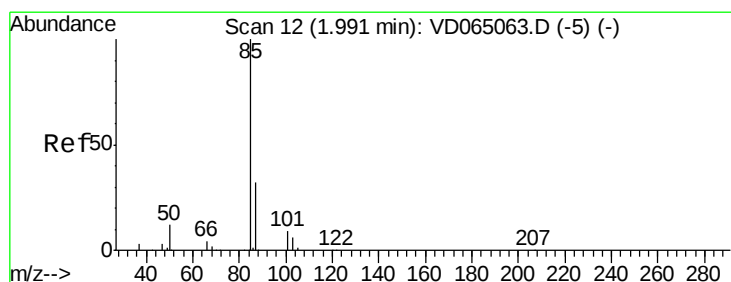
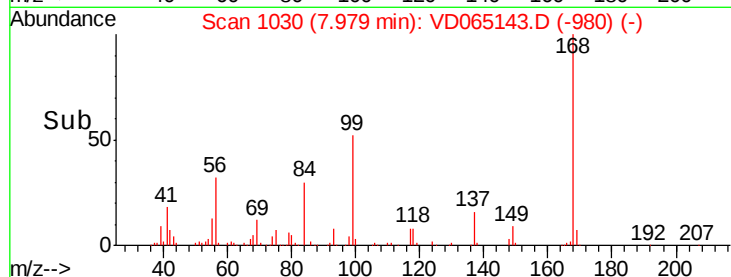
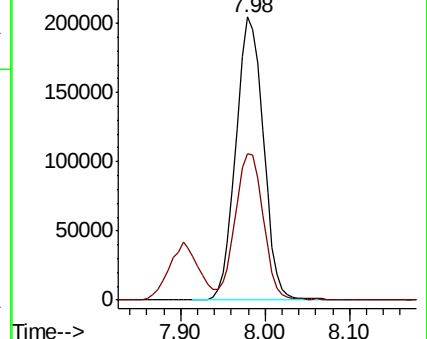
168 100

99 51.8 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: 21.295 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065143.D

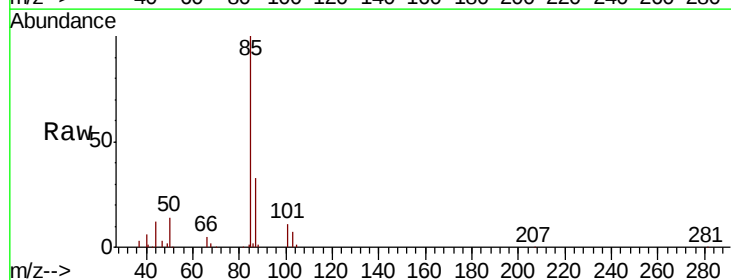
Acq: 11 Feb 2020 11:47

Tgt Ion: 85 Resp: 81752

Ion Ratio Lower Upper

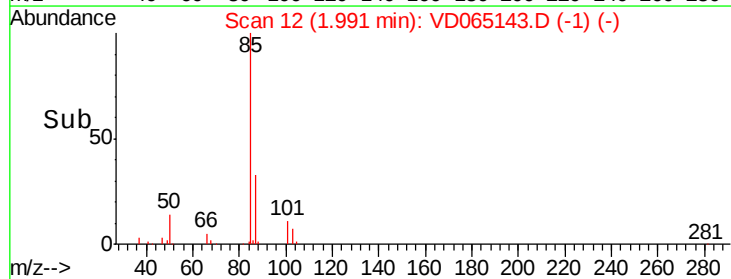
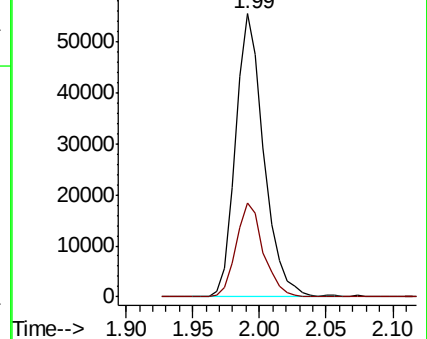
85 100

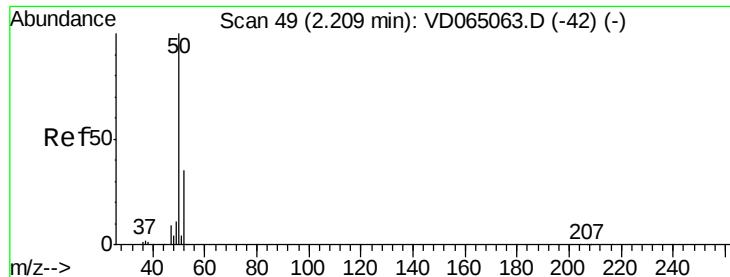
87 33.4 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.828 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

Instrument :

MSVOA_D

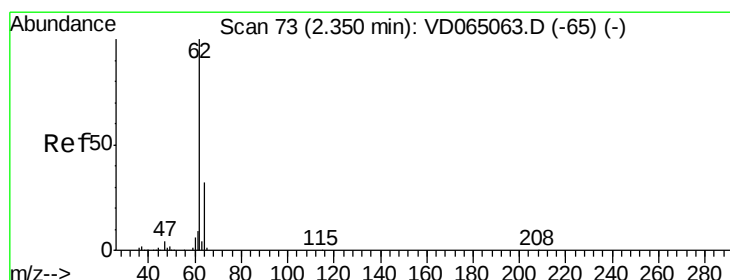
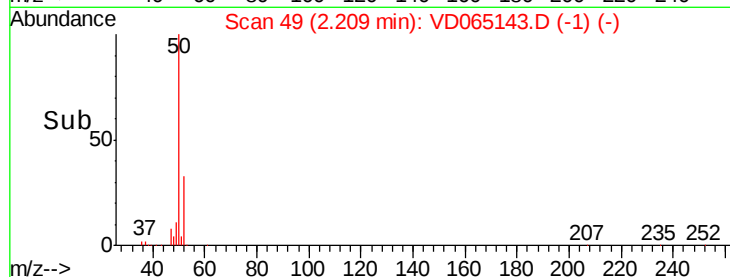
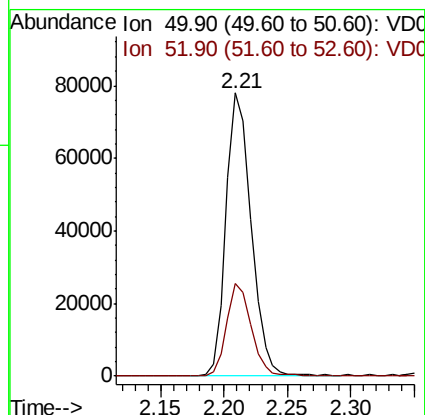
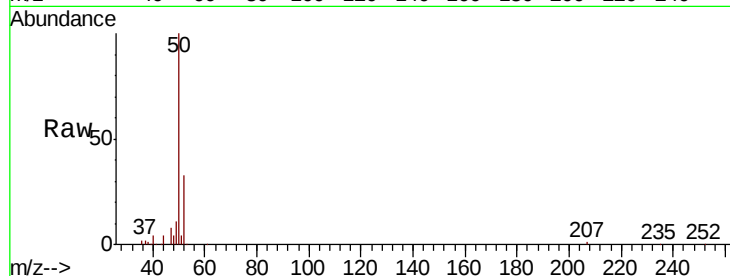
ClientSampleId :

Tot Ion: 50 Resp: 107683

Ion Ratio Lower Upper

50 100

52 32.6 27.8 41.6



#4

Vinyl Chloride

Concen: 23.284 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065143.D

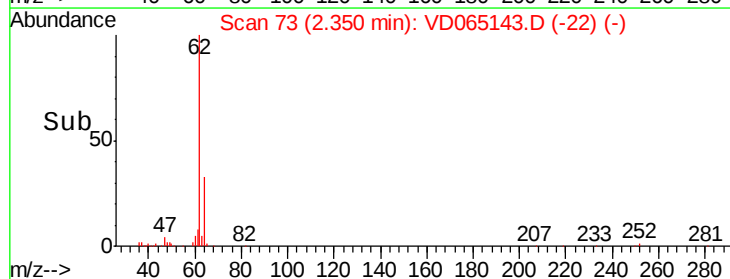
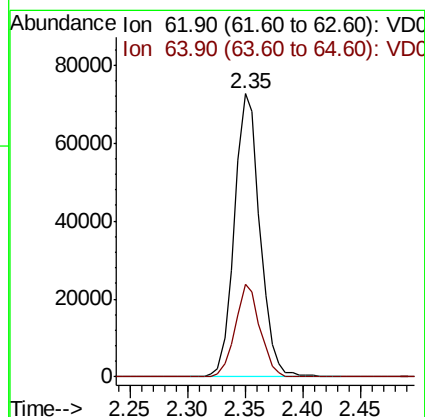
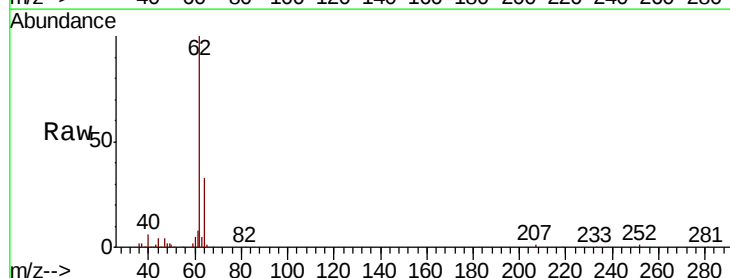
Acq: 11 Feb 2020 11:47

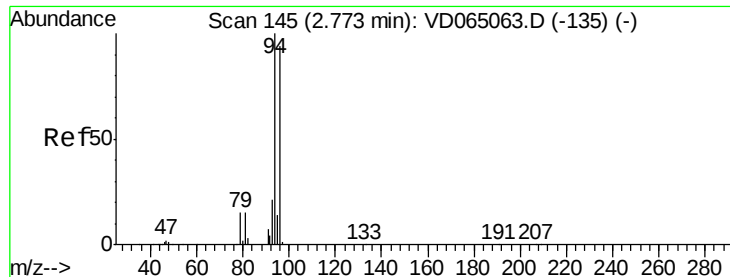
Tgt Ion: 62 Resp: 111280

Ion Ratio Lower Upper

62 100

64 32.6 25.9 38.9





#5

Bromomethane

Concen: 21.517 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

Instrument :

MSVOA_D

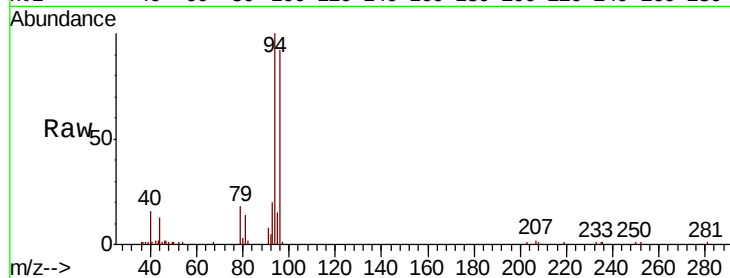
ClientSampleId :

Tot Ion: 94 Resp: 66679

Ion Ratio Lower Upper

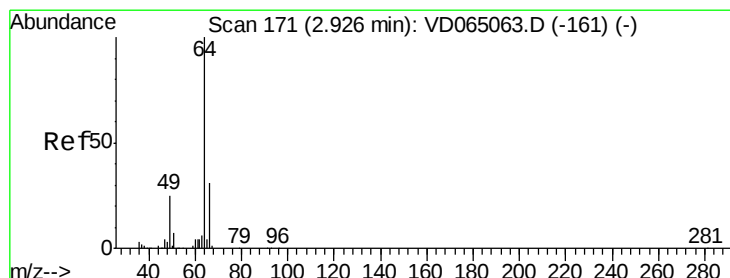
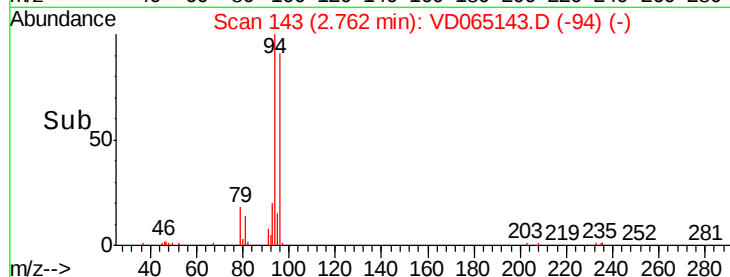
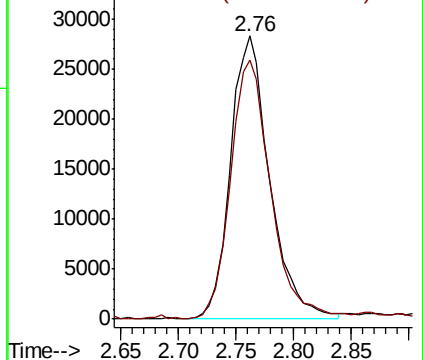
94 100

96 91.7 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 22.992 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065143.D

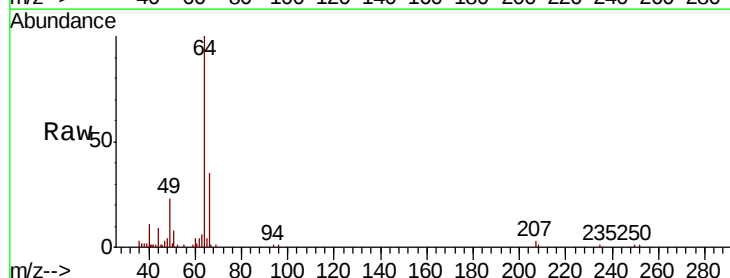
Acq: 11 Feb 2020 11:47

Tgt Ion: 64 Resp: 68164

Ion Ratio Lower Upper

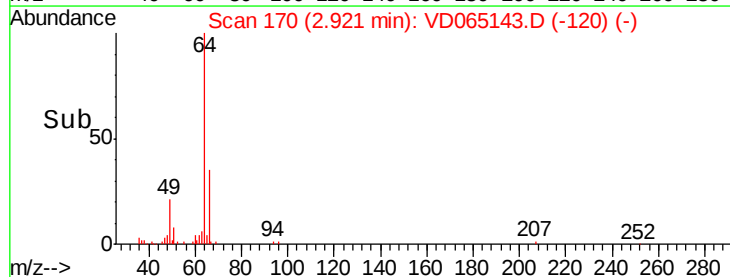
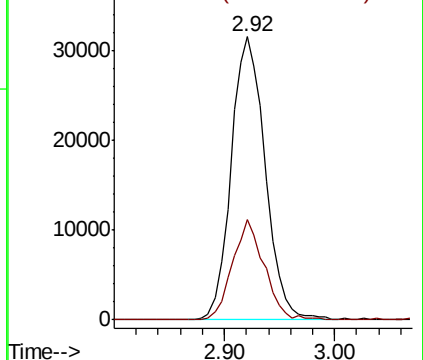
64 100

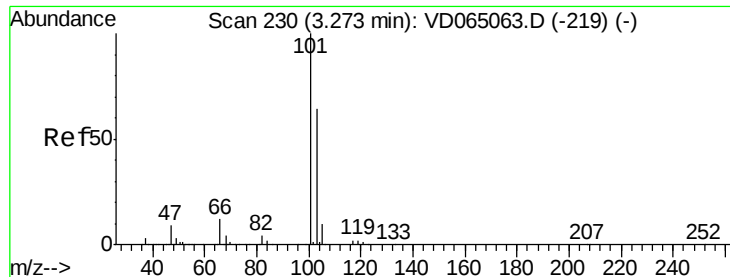
66 35.4 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



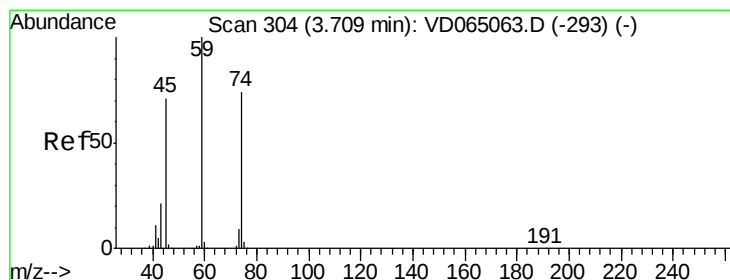
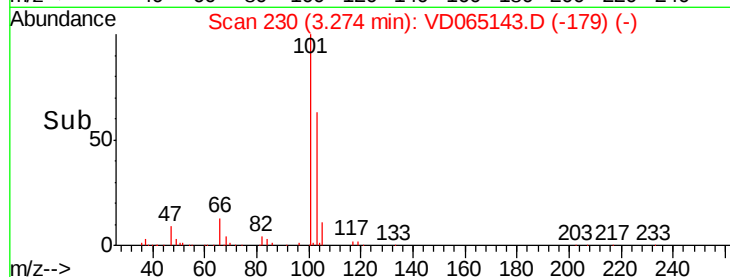
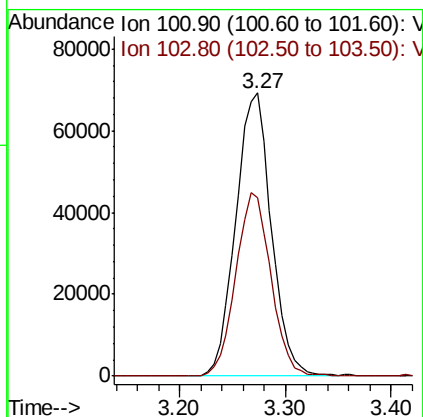
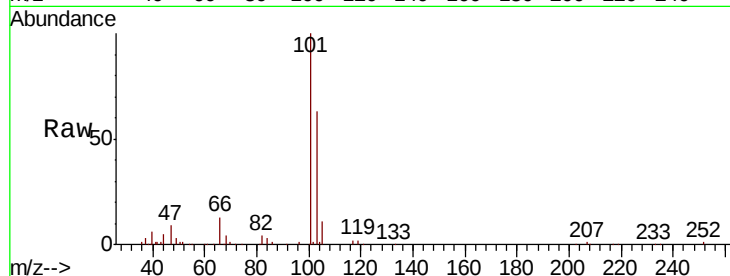


#7

Trichlorofluoromethane
 Concen: 23.253 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065143.D
 Acq: 11 Feb 2020 11:47

Instrument :
 MSVOA_D
 ClientSampleId :

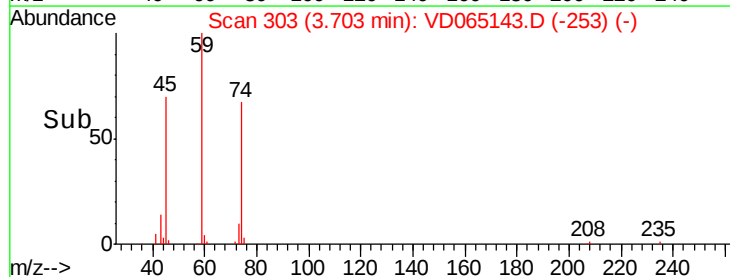
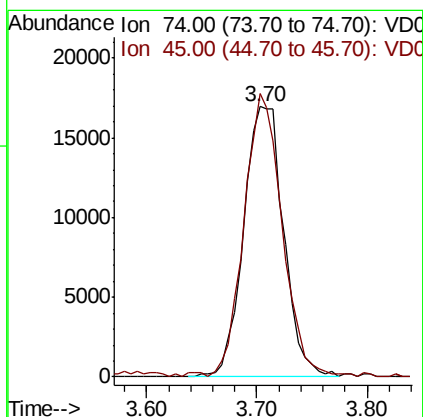
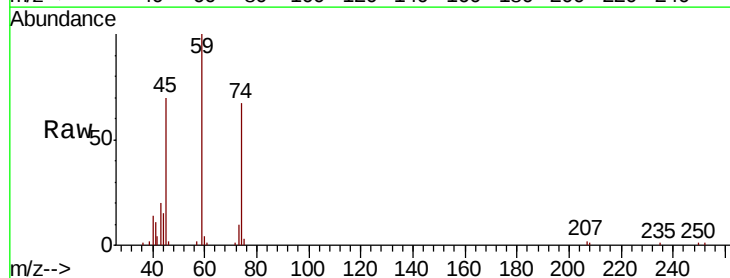
Tot Ion:101 Resp: 161729
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.0 76.6

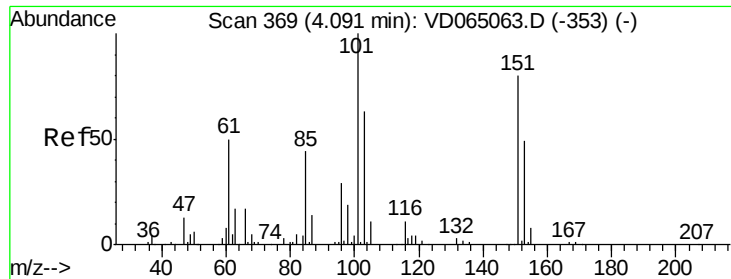


#8

Diethyl Ether
 Concen: 21.650 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065143.D
 Acq: 11 Feb 2020 11:47

Tgt Ion: 74 Resp: 43228
 Ion Ratio Lower Upper
 74 100
 45 100.0 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.627 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

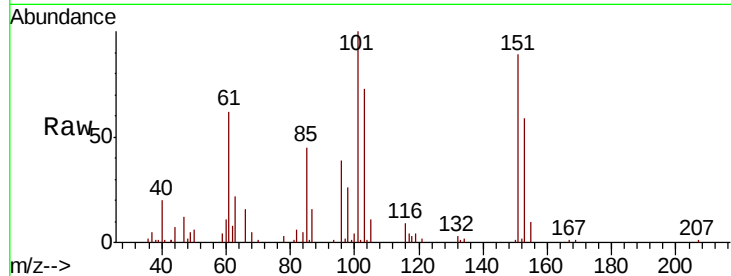
Tot Ion:101 Resp: 91956

Ion Ratio Lower Upper

101 100

85 45.0 34.0 51.0

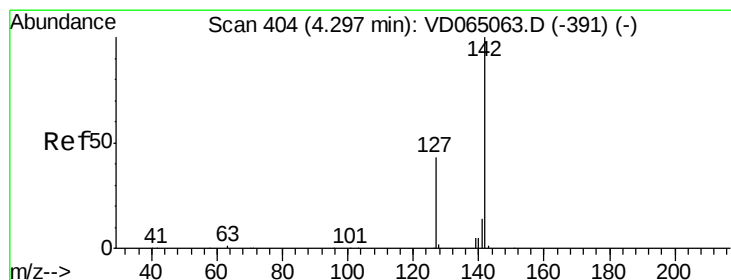
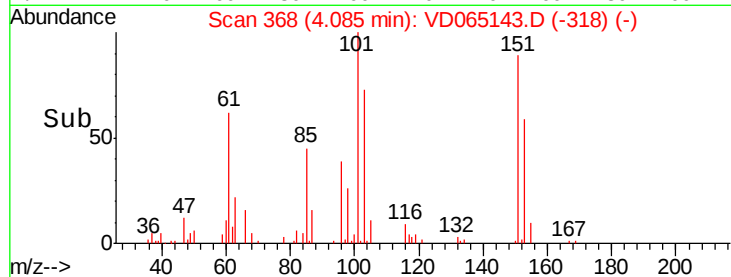
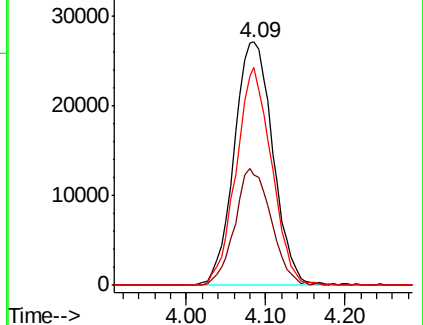
151 81.7 64.0 96.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.222 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

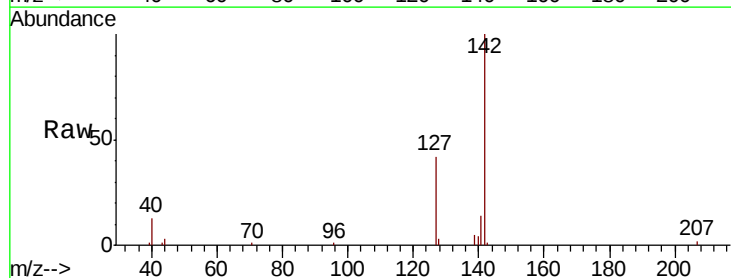
Tgt Ion:142 Resp: 88434

Ion Ratio Lower Upper

142 100

127 44.5 34.0 51.0

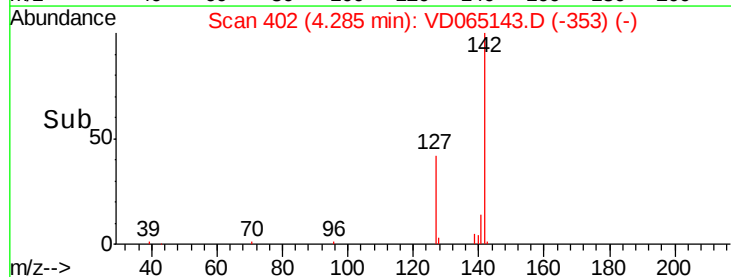
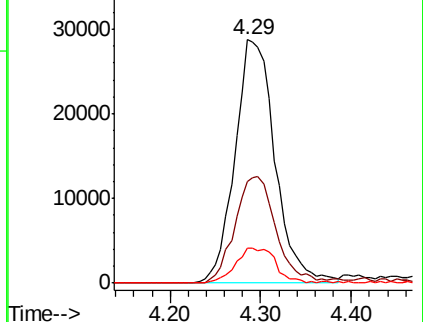
141 14.4 11.6 17.4

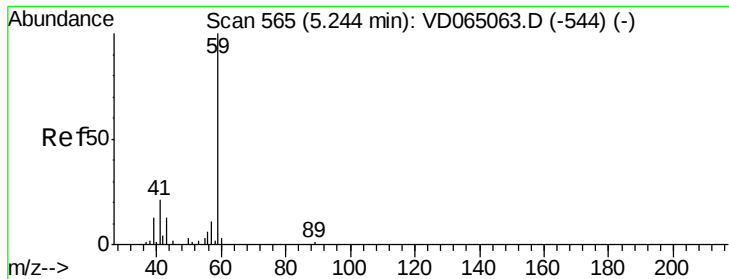


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



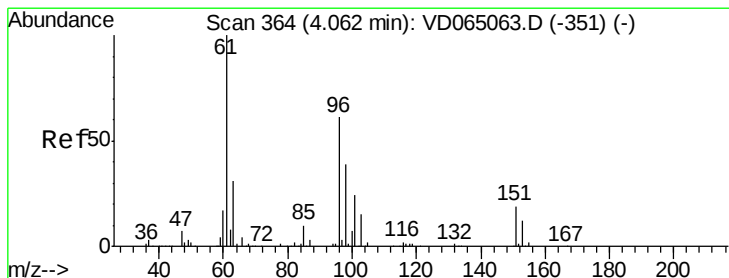
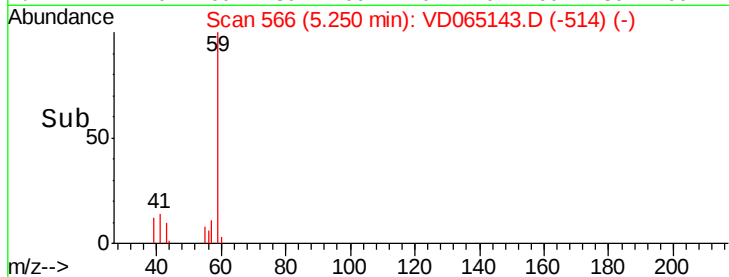
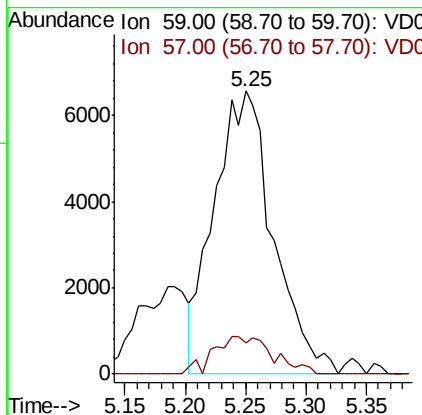
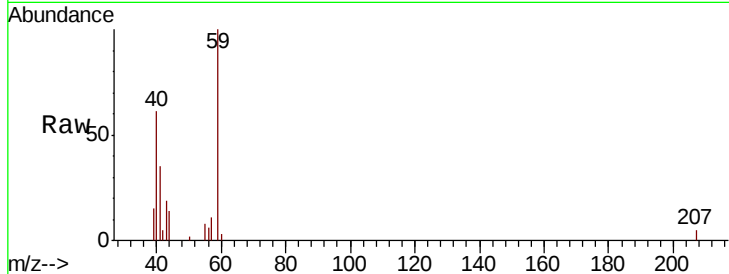


#11

Tert butyl alcohol
 Concen: 92.878 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD065143.D
 Acq: 11 Feb 2020 11:47

Instrument :
 MSVOA_D
 ClientSampleId :

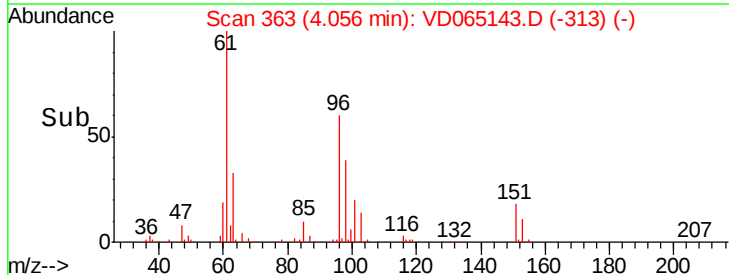
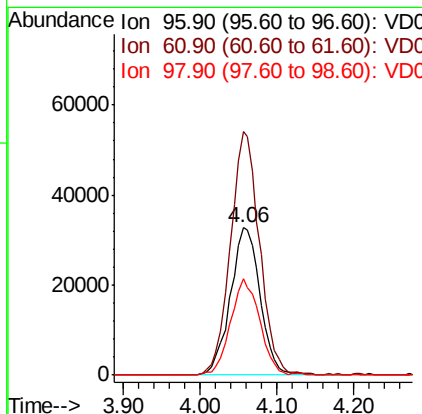
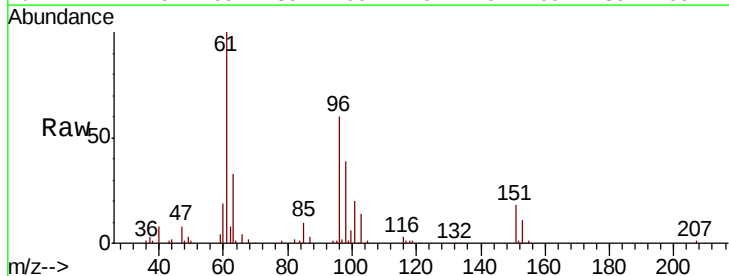
Tot Ion: 59 Resp: 22250
 Ion Ratio Lower Upper
 59 100
 57 13.5 8.8 13.2#



#12

1,1-Dichloroethene
 Concen: 21.732 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD065143.D
 Acq: 11 Feb 2020 11:47

Tgt Ion: 96 Resp: 88496
 Ion Ratio Lower Upper
 96 100
 61 165.3 131.4 197.2
 98 65.0 51.1 76.7





#13

Acrolein

Concen: 87.564 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

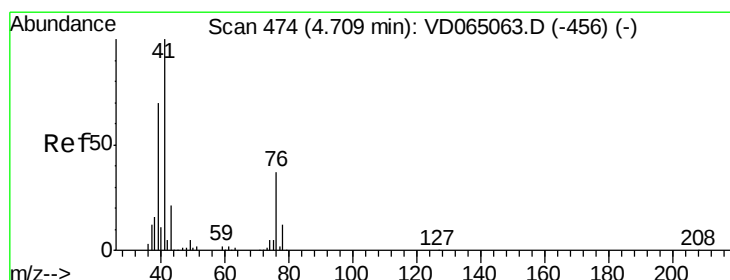
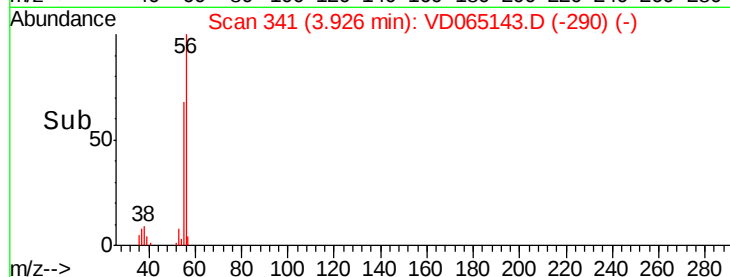
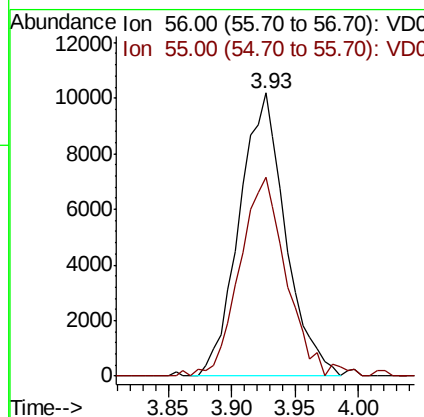
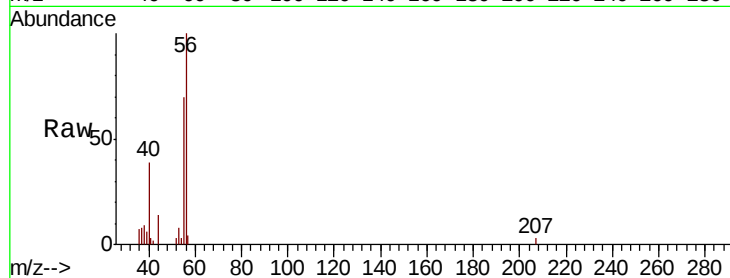
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 25801

Ion Ratio Lower Upper

56 100

55 70.9 58.2 87.2



#14

Allyl chloride

Concen: 21.519 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

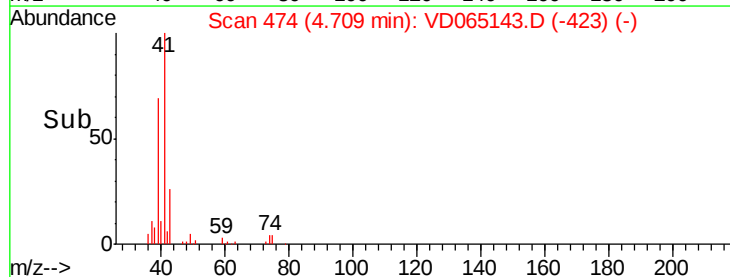
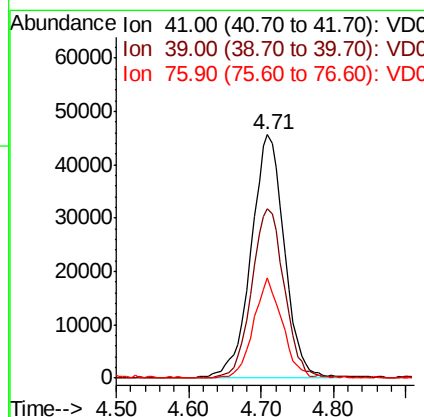
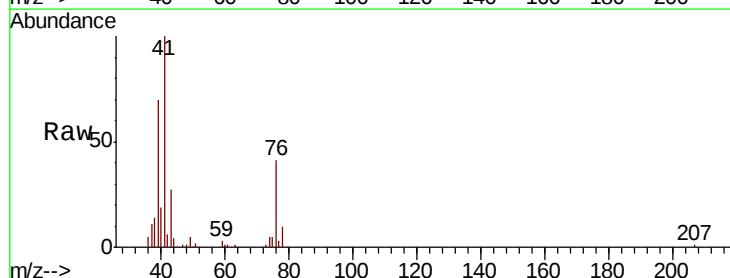
Tgt Ion: 41 Resp: 145642

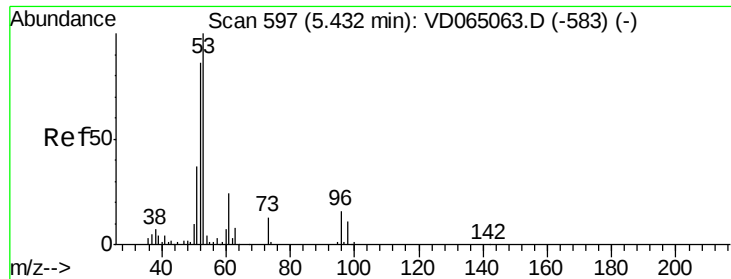
Ion Ratio Lower Upper

41 100

39 68.3 57.1 85.7

76 35.4 28.0 42.0





#15

Acrylonitrile

Concen: 108.745 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

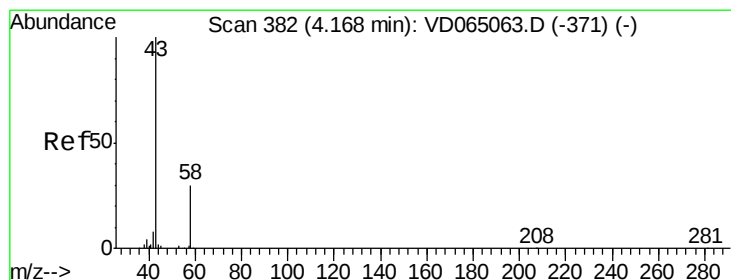
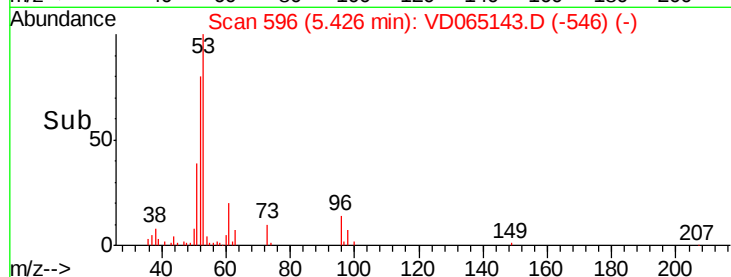
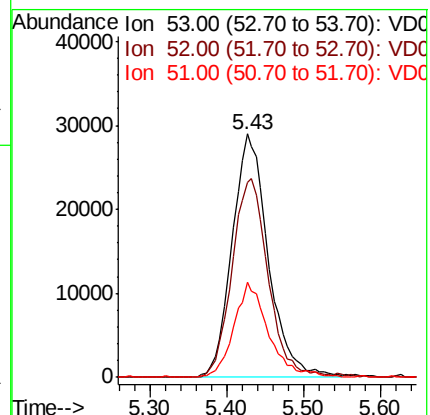
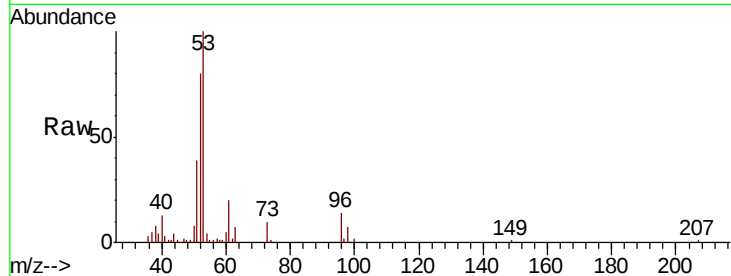
Tot Ion: 53 Resp: 94928

Ion Ratio Lower Upper

53 100

52 81.6 66.2 99.2

51 37.3 30.4 45.6



#16

Acetone

Concen: 99.840 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065143.D

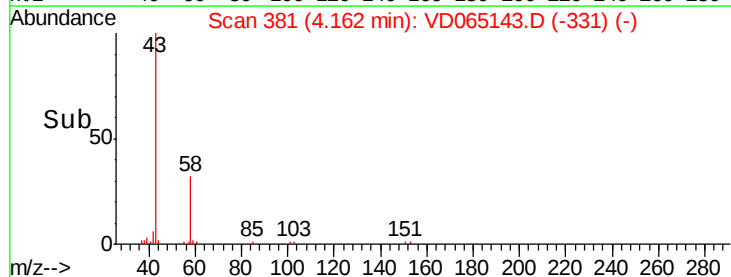
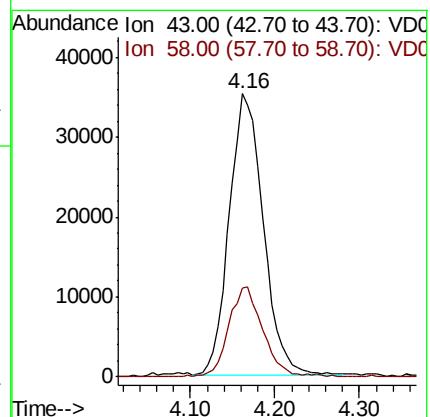
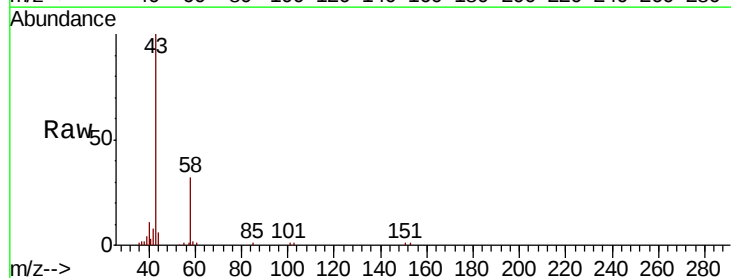
Acq: 11 Feb 2020 11:47

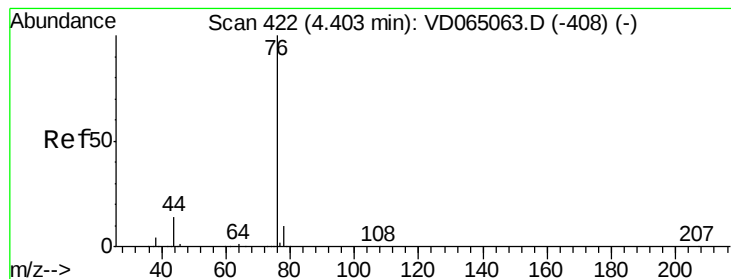
Tgt Ion: 43 Resp: 97872

Ion Ratio Lower Upper

43 100

58 31.8 23.5 35.3





#17

Carbon Disulfide

Concen: 22.109 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

Instrument :

MSVOA_D

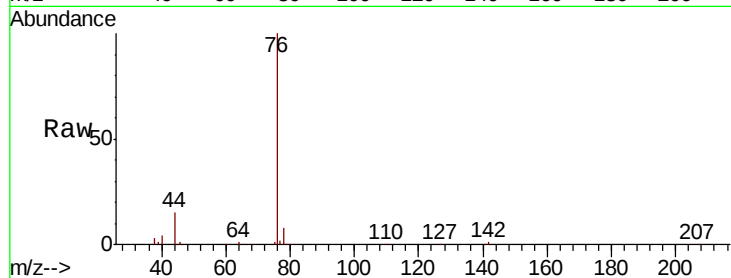
ClientSampleId :

Tot Ion: 76 Resp: 289080

Ion Ratio Lower Upper

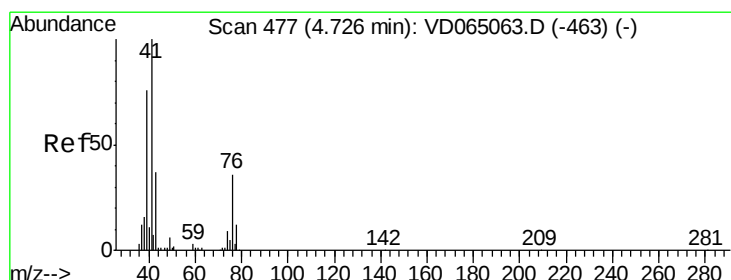
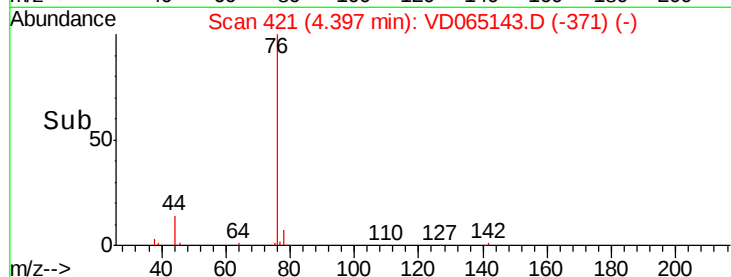
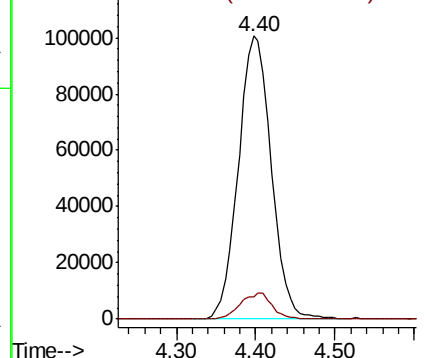
76 100

78 8.0 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 23.185 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065143.D

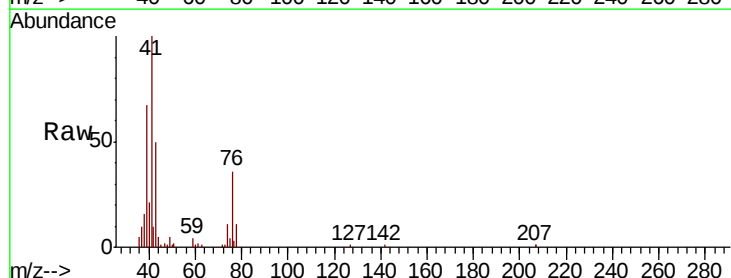
Acq: 11 Feb 2020 11:47

Tgt Ion: 43 Resp: 47485

Ion Ratio Lower Upper

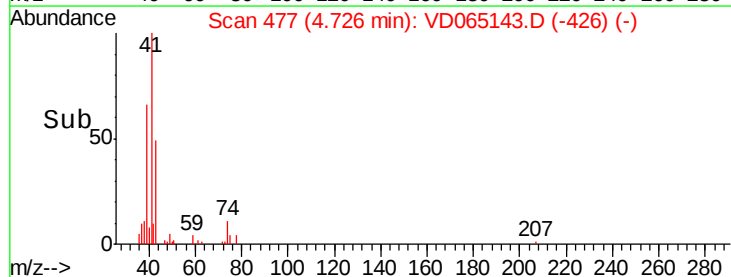
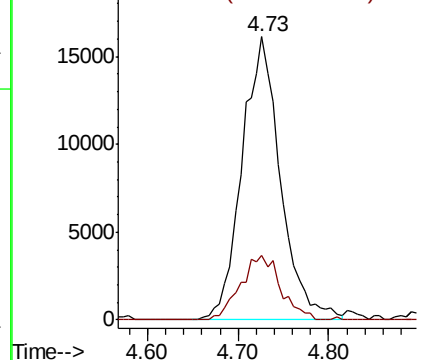
43 100

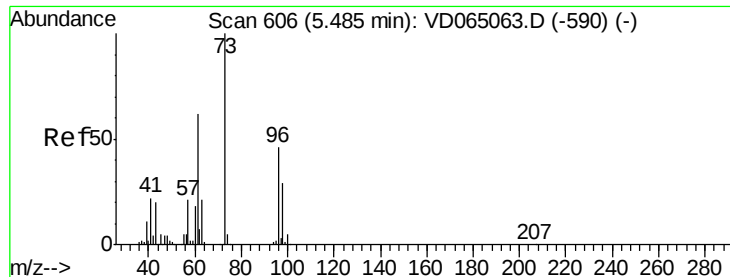
74 23.7 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



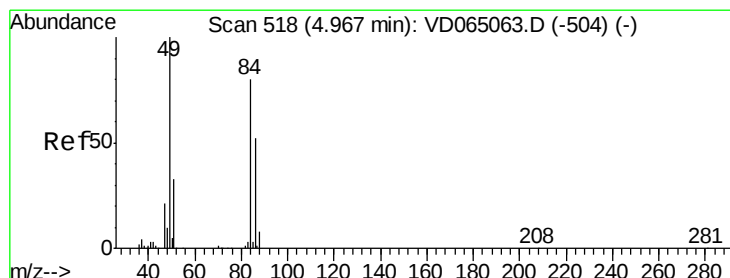
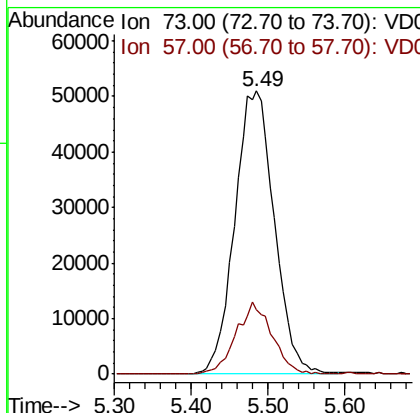
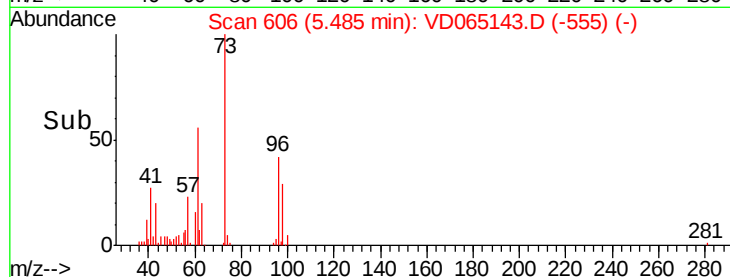
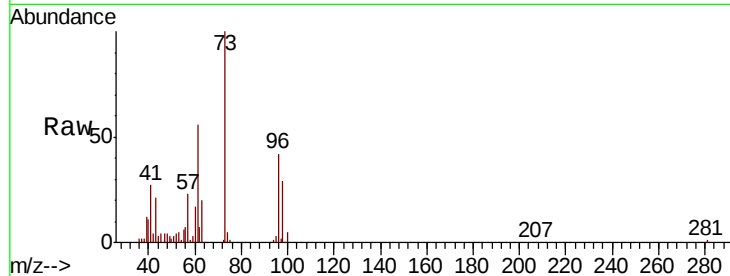


#19

Methyl tert-butyl Ether
 Concen: 20.325 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD065143.D
 Acq: 11 Feb 2020 11:47

Instrument :
 MSVOA_D
 ClientSampleId :

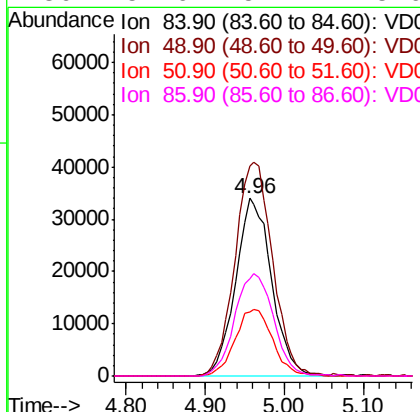
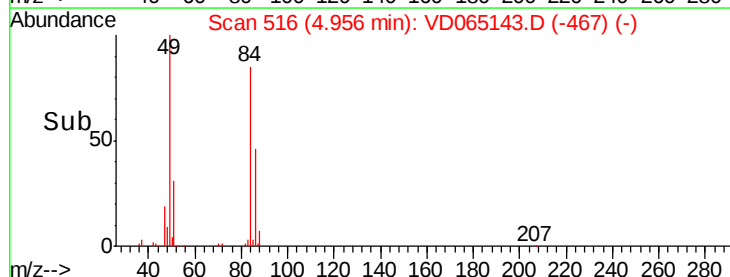
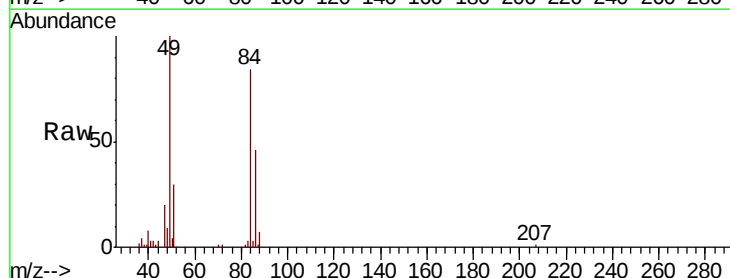
Tot Ion: 73 Resp: 183028
 Ion Ratio Lower Upper
 73 100
 57 22.8 16.8 25.2

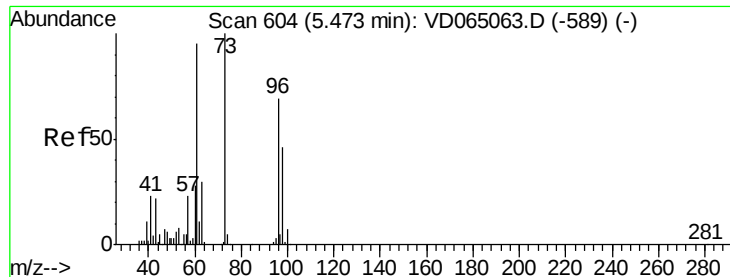


#20

Methylene Chloride
 Concen: 22.670 ug/l
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD065143.D
 Acq: 11 Feb 2020 11:47

Tgt Ion: 84 Resp: 107150
 Ion Ratio Lower Upper
 84 100
 49 118.5 100.4 150.6
 51 36.0 32.7 49.1
 86 54.6 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 21.730 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

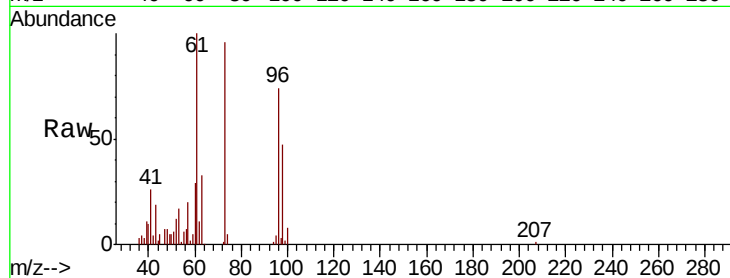
Tot Ion: 96 Resp: 100116

Ion Ratio Lower Upper

96 100

61 134.9 109.5 164.3

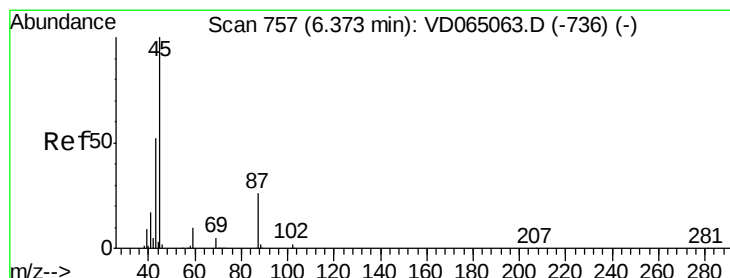
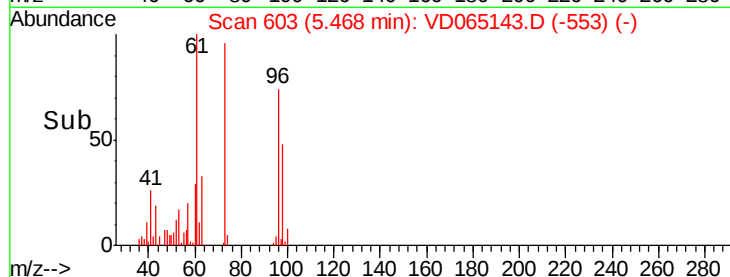
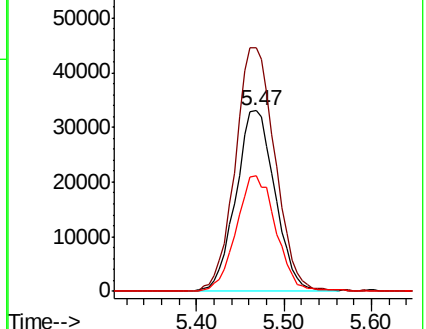
98 63.9 53.7 80.5



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: 22.373 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

Tgt Ion: 45 Resp: 285617

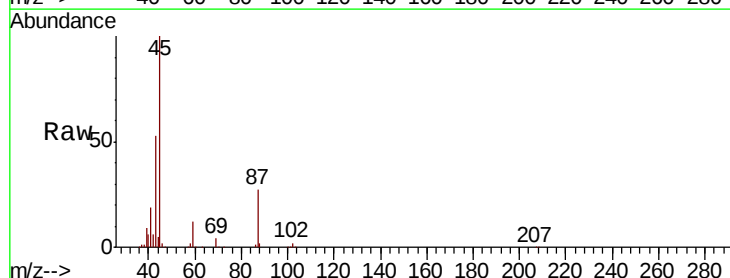
Ion Ratio Lower Upper

45 100

43 52.2 41.3 61.9

87 27.2 21.0 31.6

59 11.5 8.2 12.4

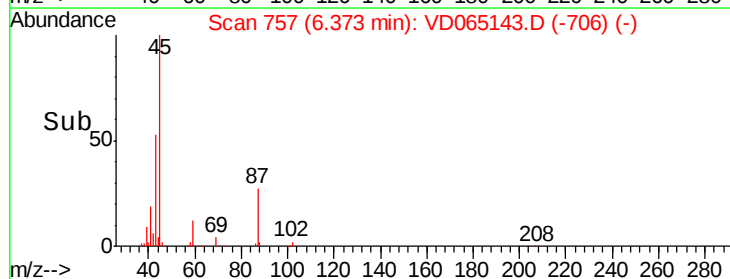
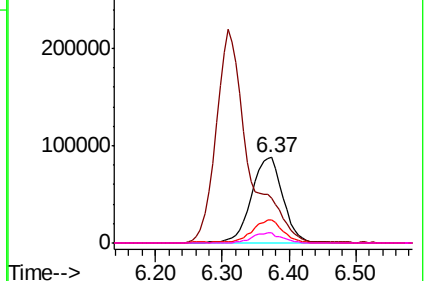


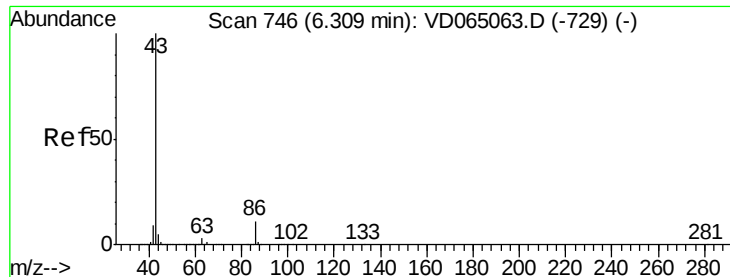
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 104.570 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

Instrument :

MSVOA_D

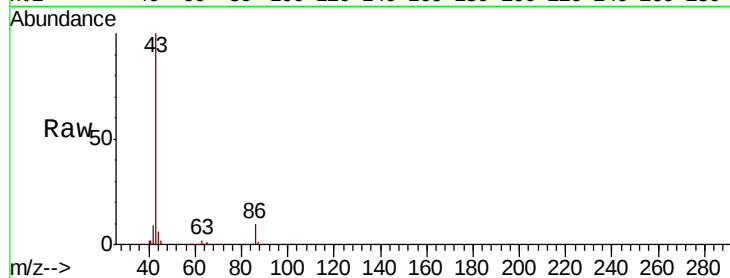
ClientSampleId :

Tot Ion: 43 Resp: 744067

Ion Ratio Lower Upper

43 100

86 10.2 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

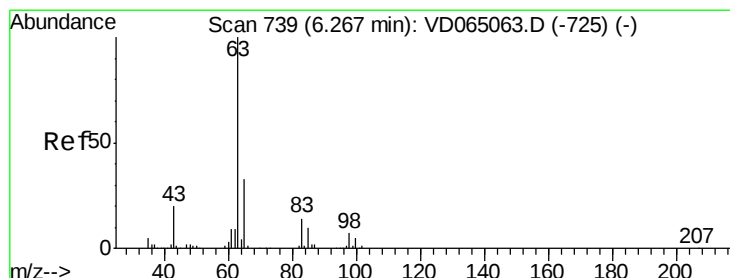
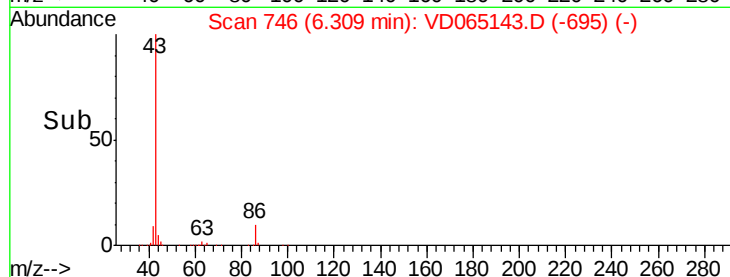
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.581 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

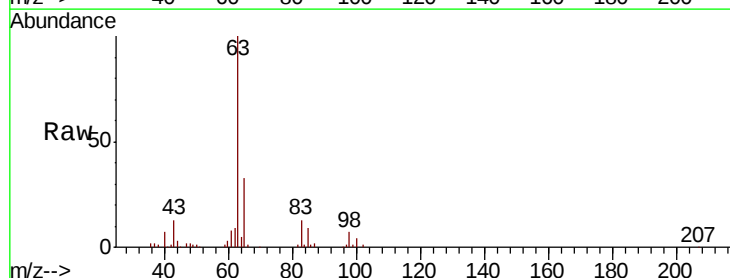
Tgt Ion: 63 Resp: 174483

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

6.26

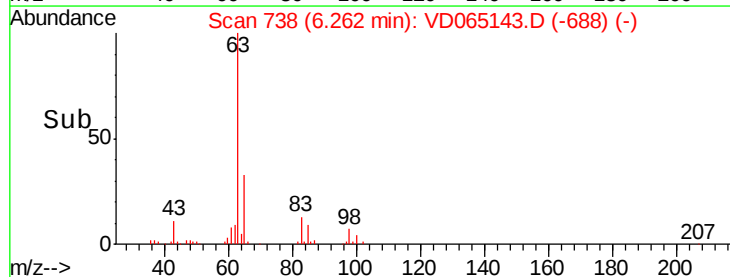
60000

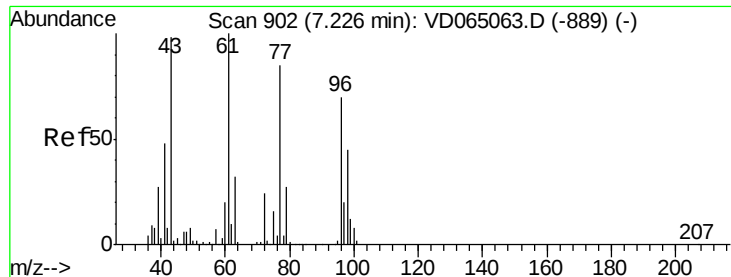
40000

20000

0

Time-->

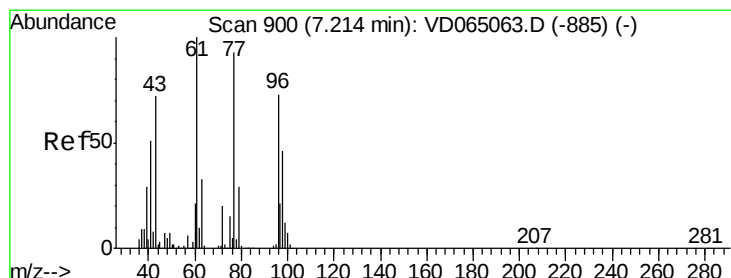
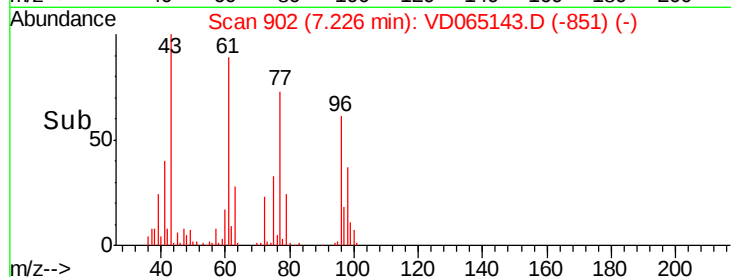
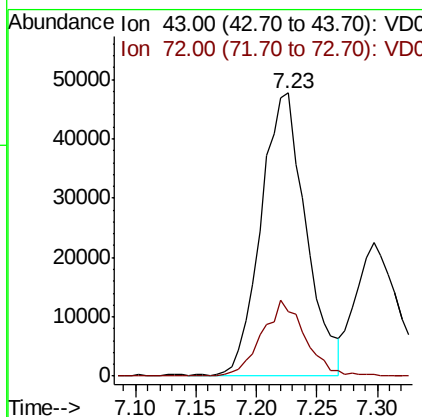
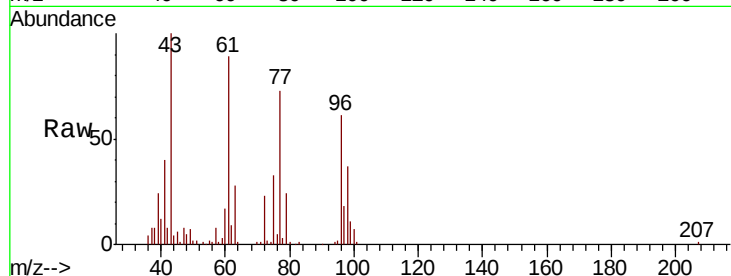




#25
2-Butanone
Concen: 105.836 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.00 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

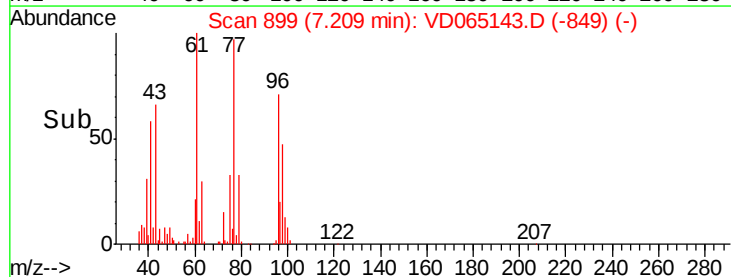
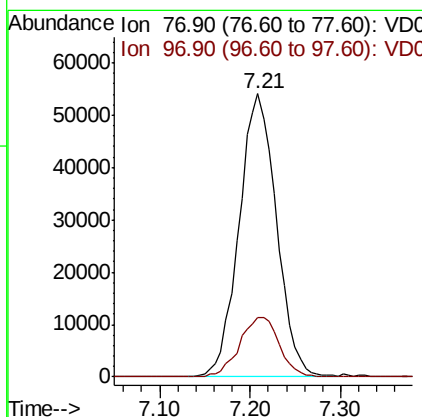
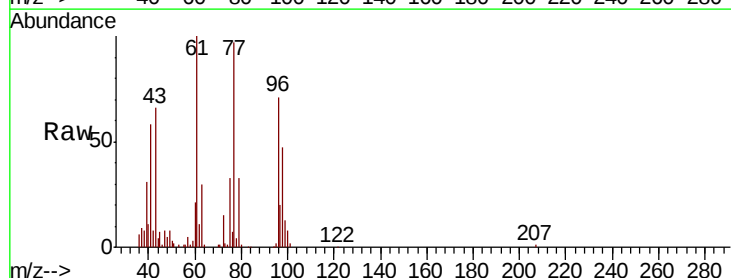
Instrument :
MSVOA_D
ClientSampled :

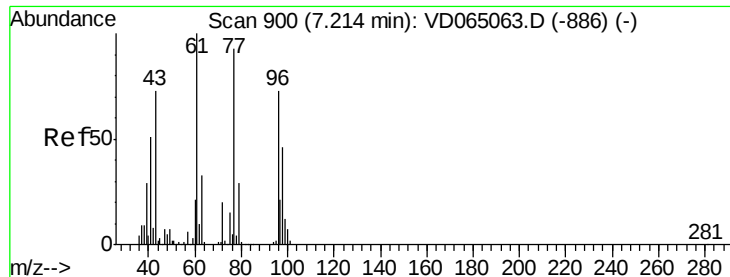
Tot Ion: 43 Resp: 123758
Ion Ratio Lower Upper
43 100
72 22.8 19.9 29.9



#26
2,2-Dichloropropane
Concen: 22.416 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

Tgt Ion: 77 Resp: 155249
Ion Ratio Lower Upper
77 100
97 22.2 10.9 32.6



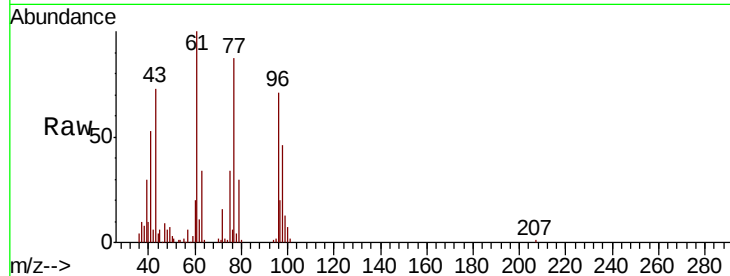


#27

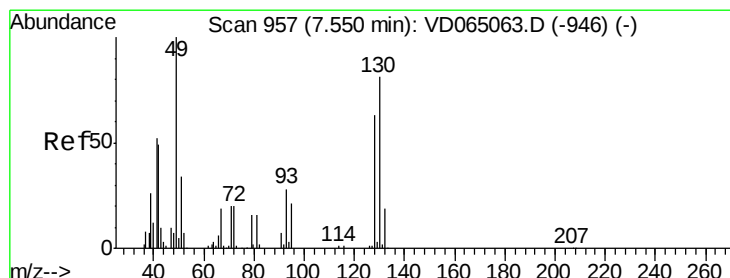
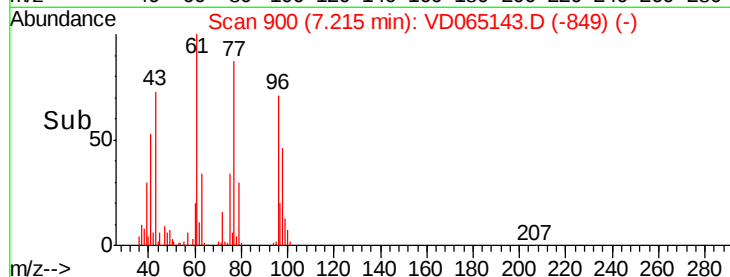
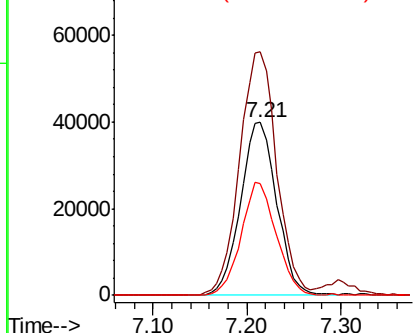
cis-1,2-Dichloroethene
Concen: 21.736 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.4	0.0	292.8
98	63.3	0.0	128.8



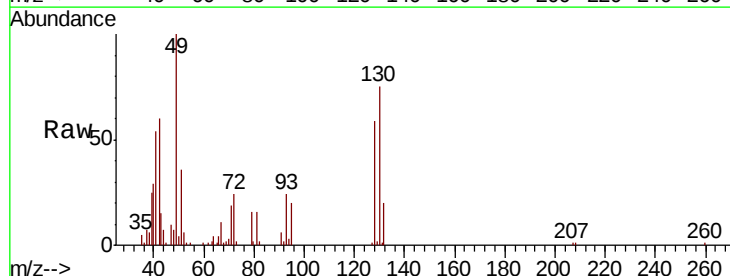
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



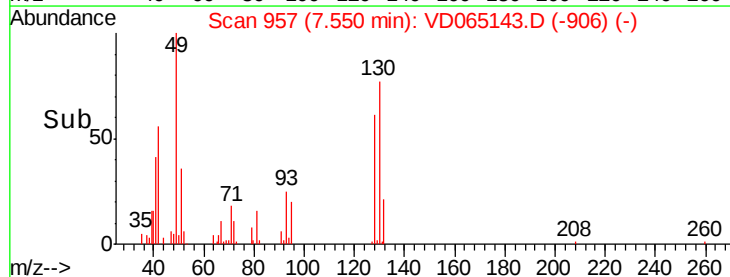
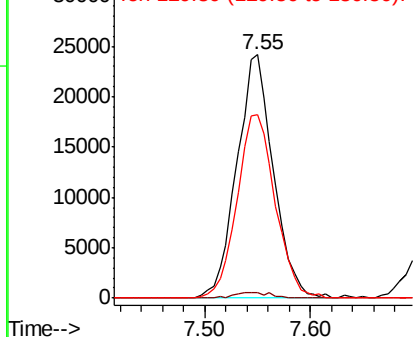
#28

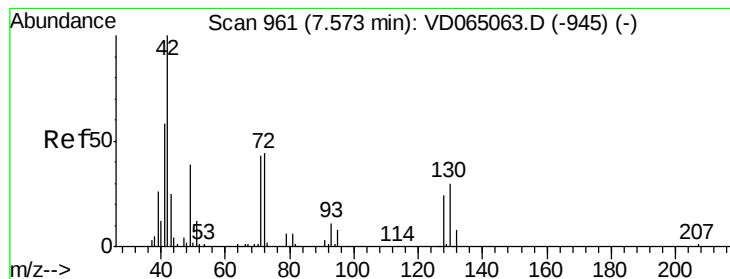
Bromochloromethane
Concen: 19.794 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	78.5	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: 105.499 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

Instrument :
MSVOA_D
ClientSampled :

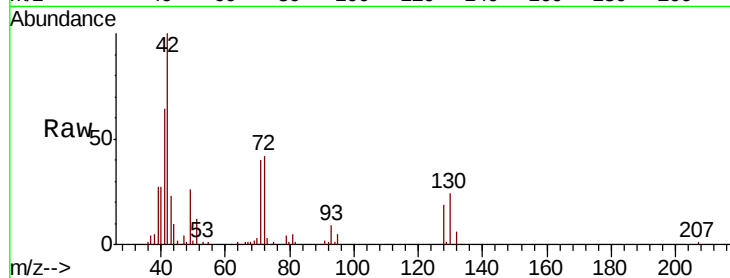
Tot Ion: 42 Resp: 74603

Ion Ratio Lower Upper

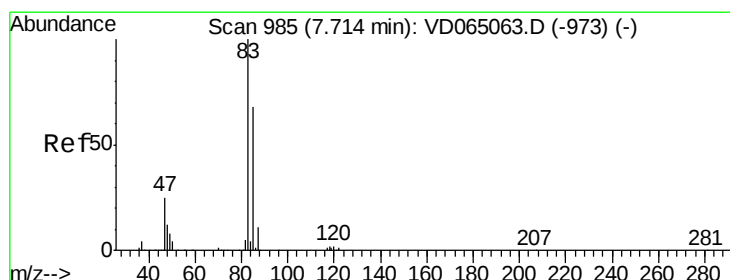
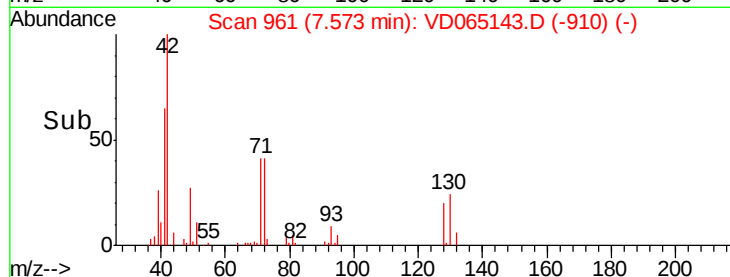
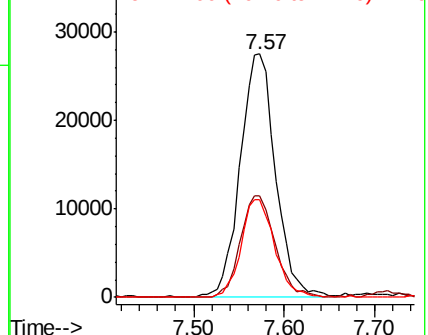
42 100

72 40.7 34.2 51.4

71 38.0 31.8 47.6



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



#30

Chloroform

Concen: 23.049 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065143.D

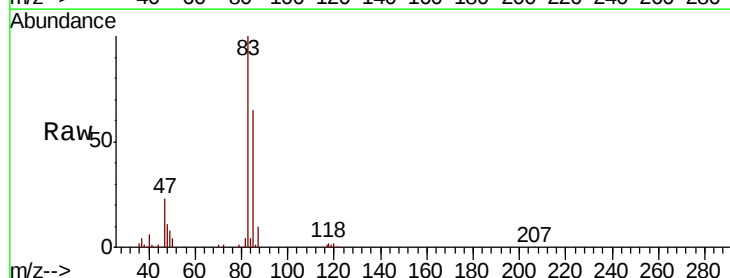
Acq: 11 Feb 2020 11:47

Tgt Ion: 83 Resp: 177338

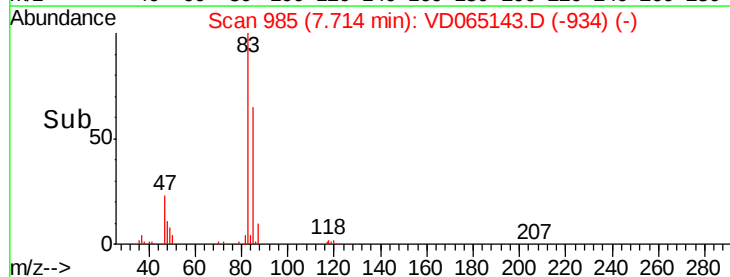
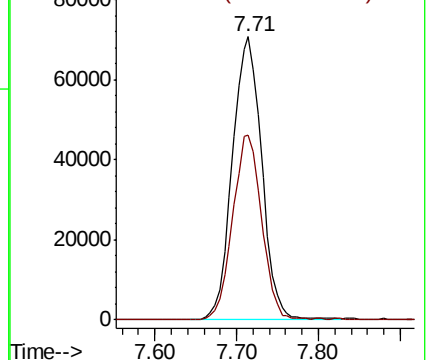
Ion Ratio Lower Upper

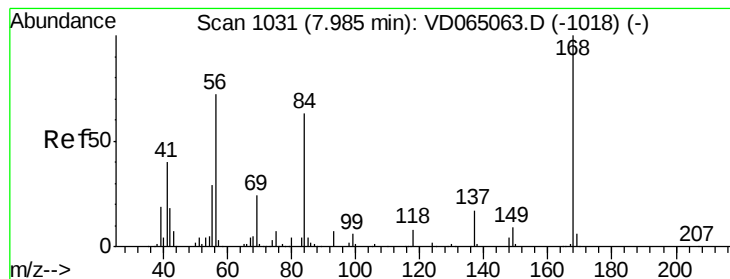
83 100

85 65.5 54.2 81.4



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





#31

Cyclohexane

Concen: 21.243 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

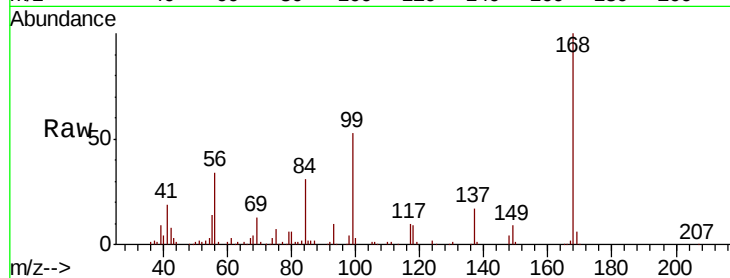
Tot Ion: 56 Resp: 165694

Ion Ratio Lower Upper

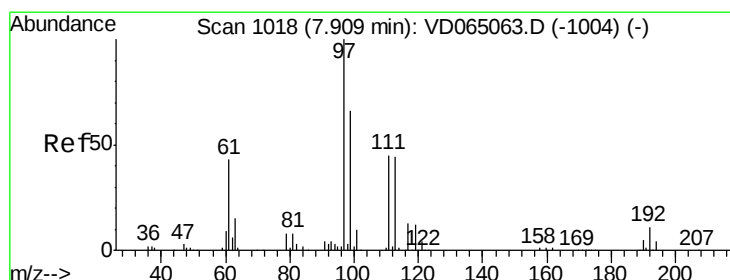
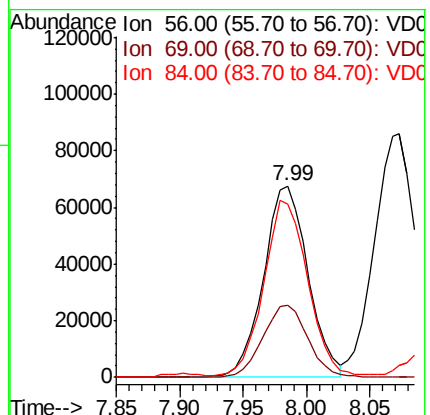
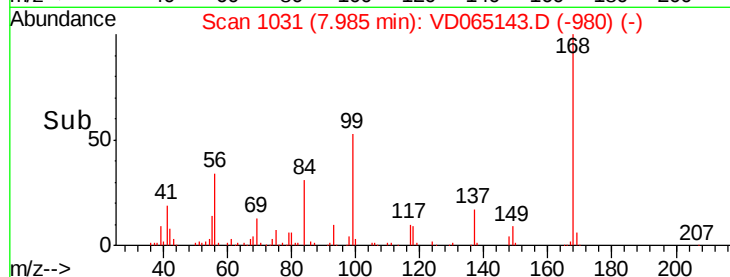
56 100

69 37.4 26.6 40.0

84 89.4 70.6 106.0



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



#32

1,1,1-Trichloroethane

Concen: 22.278 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

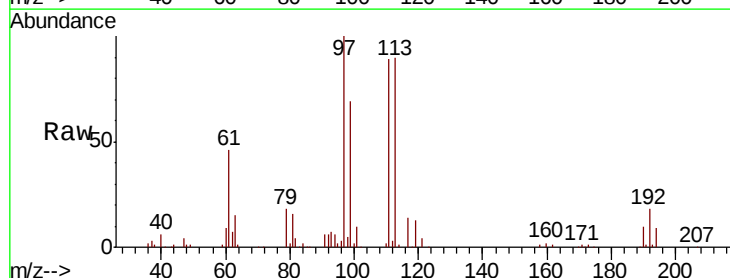
Tgt Ion: 97 Resp: 159666

Ion Ratio Lower Upper

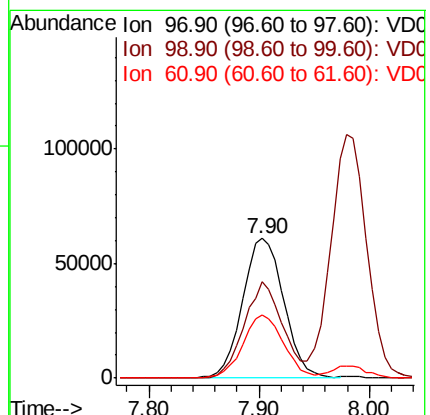
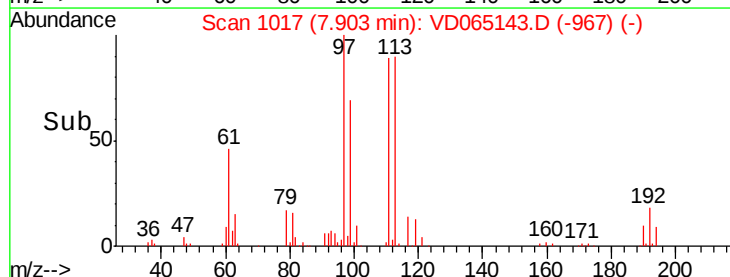
97 100

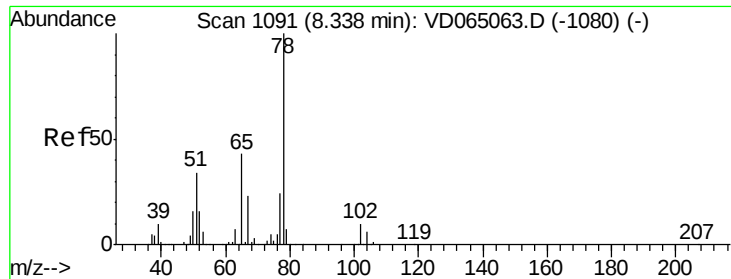
99 65.4 51.5 77.3

61 44.4 34.8 52.2



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

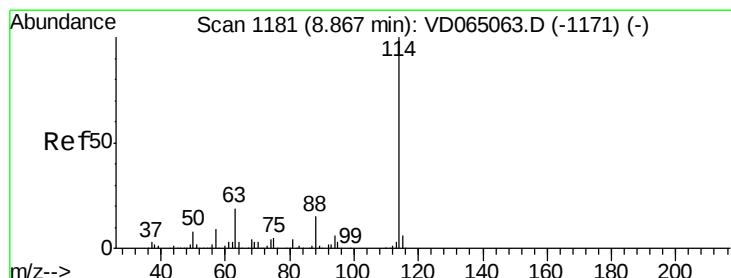
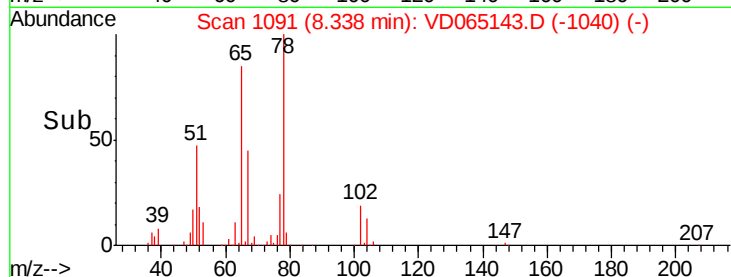
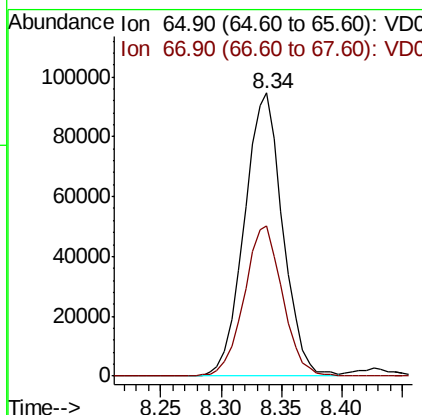
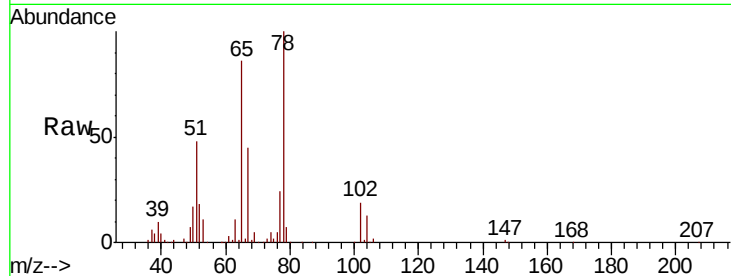




#33
 1,2-Dichloroethane-d4
 Concen: 53.290 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065143.D
 Acq: 11 Feb 2020 11:47

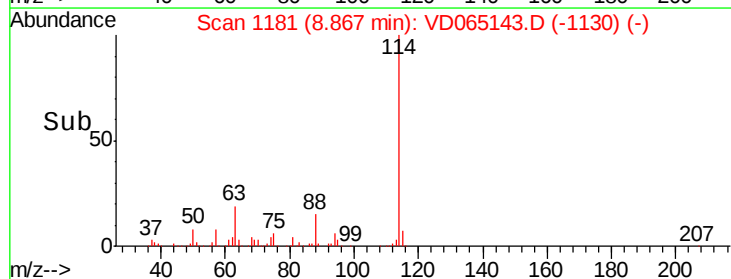
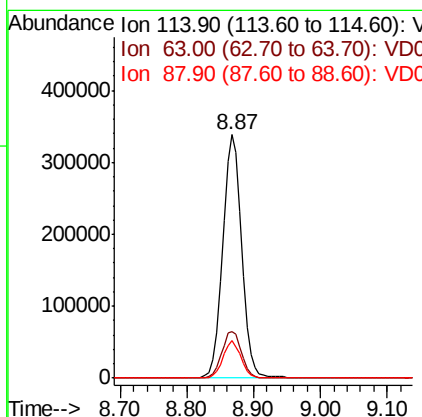
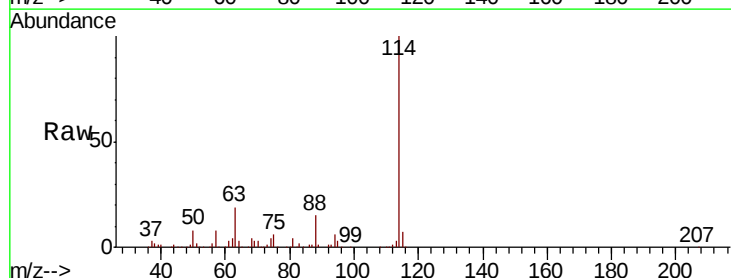
Instrument :
 MSVOA_D
 ClientSampleId :

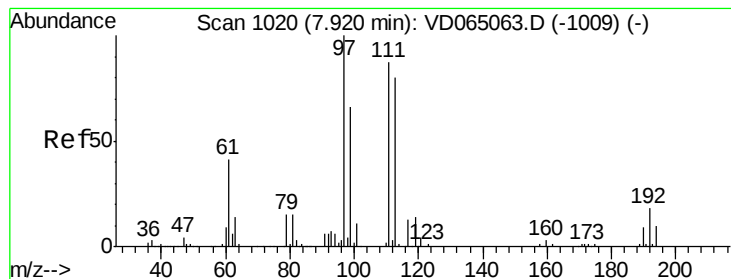
Tot Ion: 65 Resp: 208945
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065143.D
 Acq: 11 Feb 2020 11:47

Tgt Ion: 114 Resp: 679586
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.8
 88 15.5 0.0 29.6





#35

Dibromofluoromethane

Concen: 55.670 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

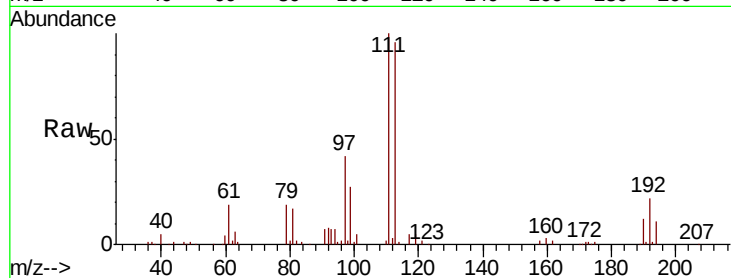
Tot Ion:113 Resp: 211082

Ion Ratio Lower Upper

113 100

111 101.6 83.1 124.7

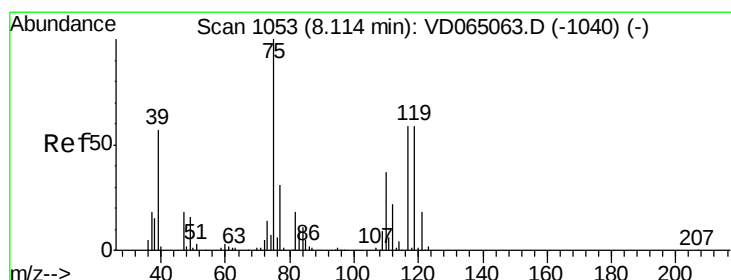
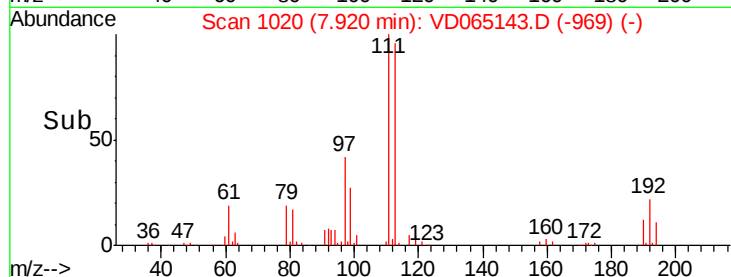
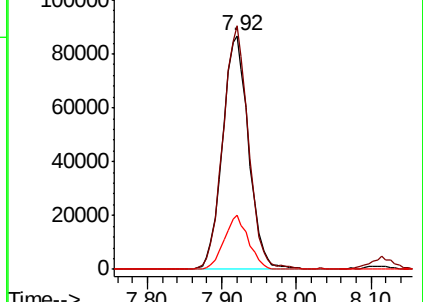
192 21.5 18.1 27.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.939 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

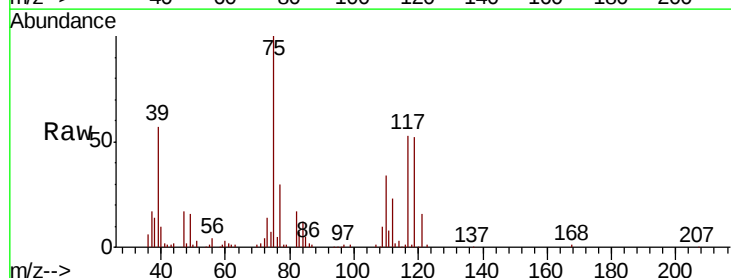
Tgt Ion: 75 Resp: 138634

Ion Ratio Lower Upper

75 100

110 37.4 18.1 54.3

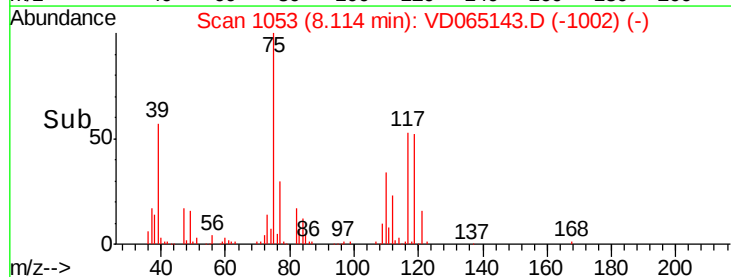
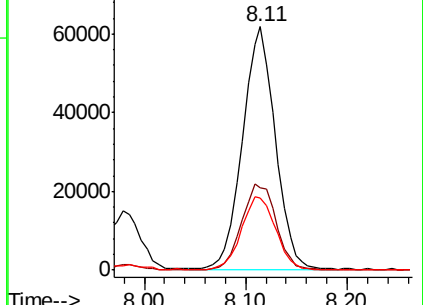
77 31.6 24.7 37.1

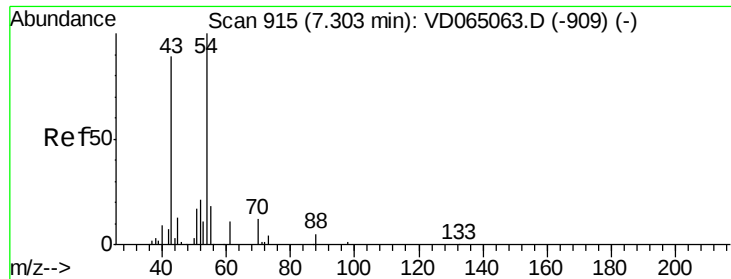


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

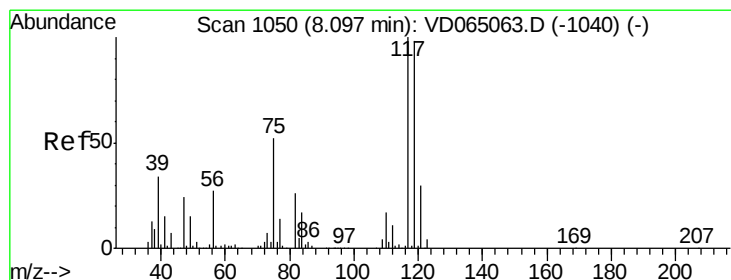
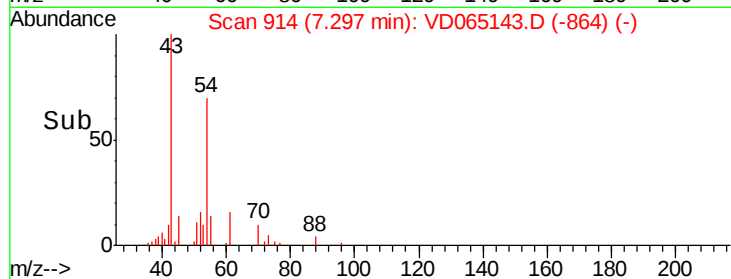
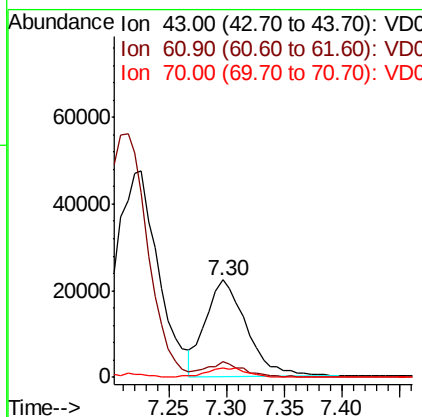
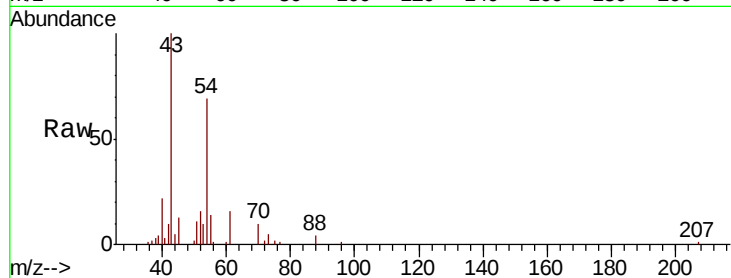




#37
Ethyl Acetate
Concen: 21.387 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

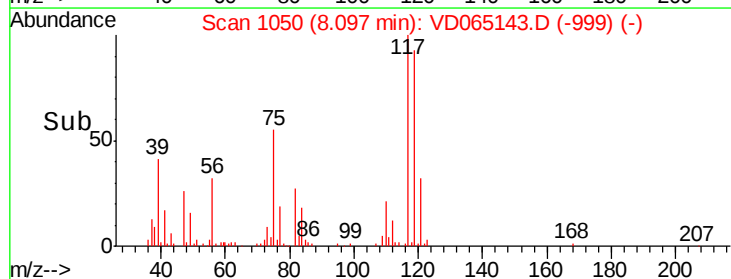
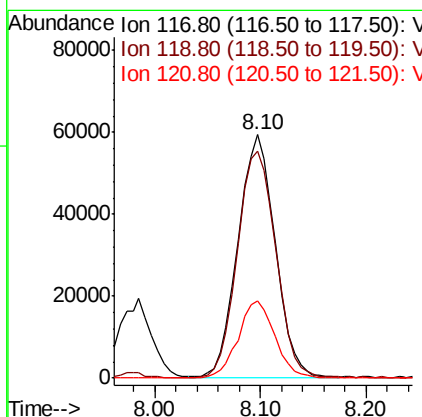
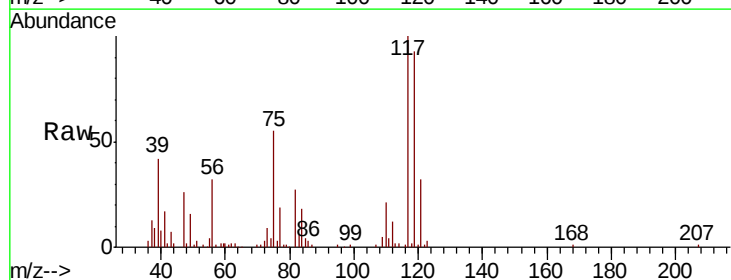
Instrument :
MSVOA_D
ClientSampleId :

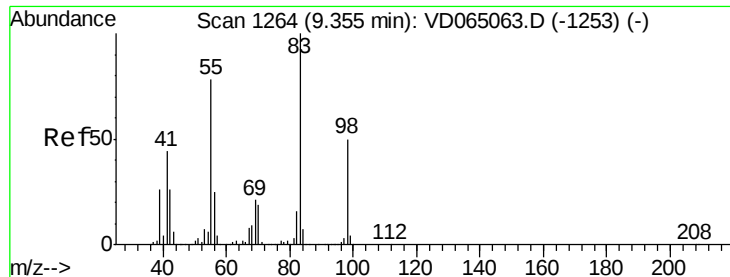
Tot Ion: 43 Resp: 55213
Ion Ratio Lower Upper
43 100
61 14.2 11.0 16.4
70 9.7 8.2 12.2



#38
Carbon Tetrachloride
Concen: 22.669 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

Tgt Ion: 117 Resp: 146307
Ion Ratio Lower Upper
117 100
119 93.1 78.5 117.7
121 31.5 23.8 35.6

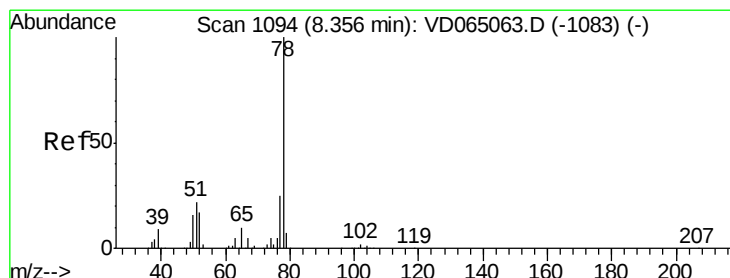
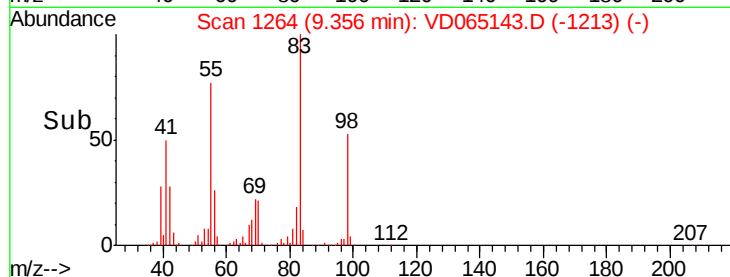
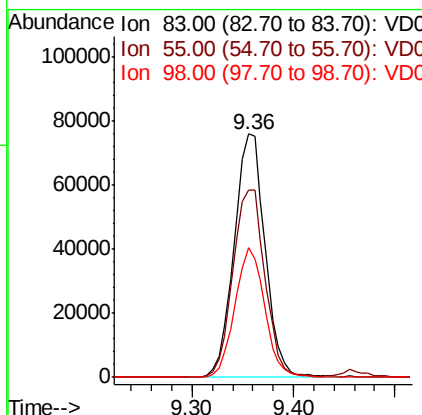
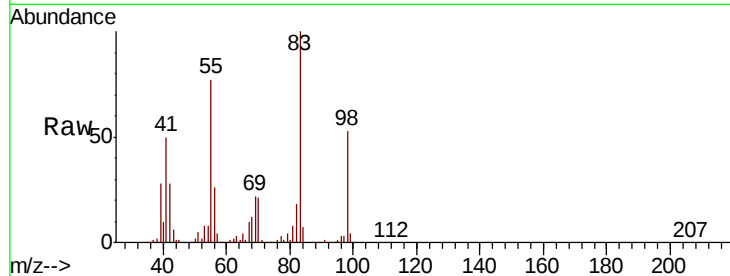




#39
Methvlcvclohexane
Concen: 20.653 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

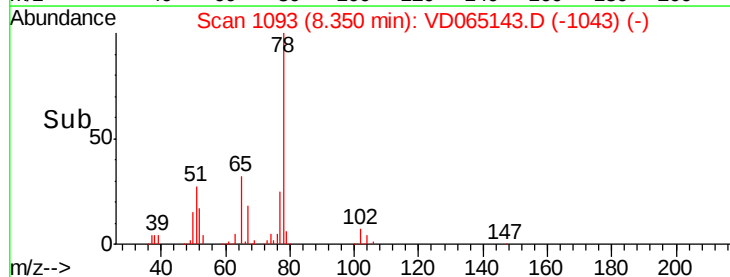
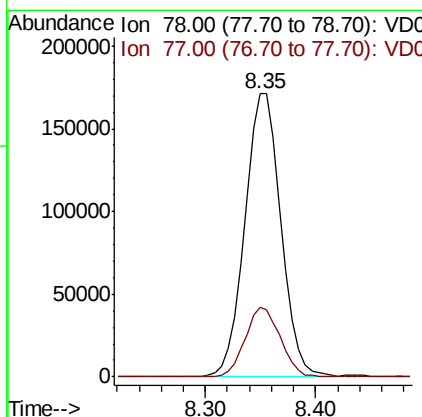
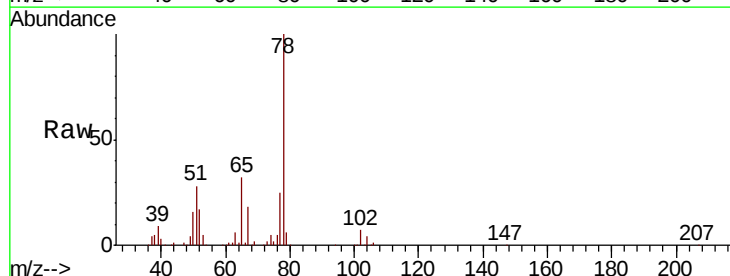
Instrument :
MSVOA_D
ClientSampled :

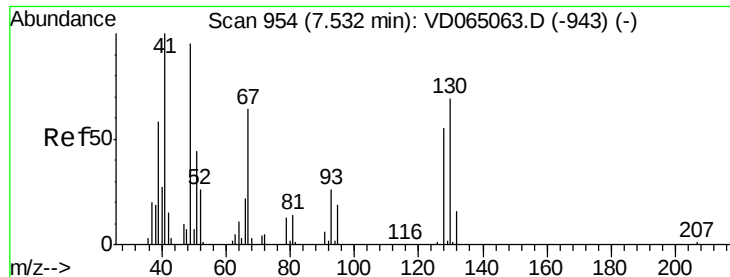
Tot Ion: 83 Resp: 161087
Ion Ratio Lower Upper
83 100
55 77.1 62.0 93.0
98 53.4 39.9 59.9



#40
Benzene
Concen: 22.528 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

Tgt Ion: 78 Resp: 393110
Ion Ratio Lower Upper
78 100
77 24.7 19.6 29.4

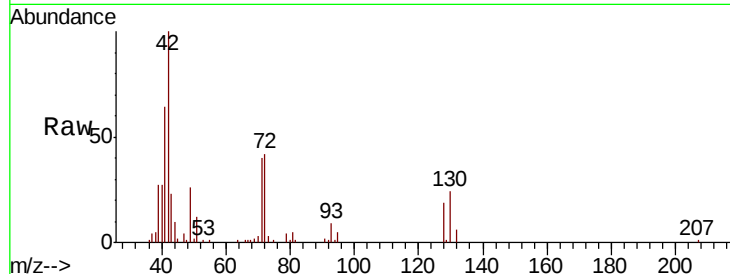




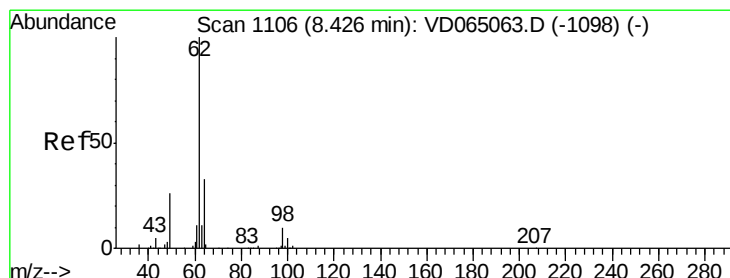
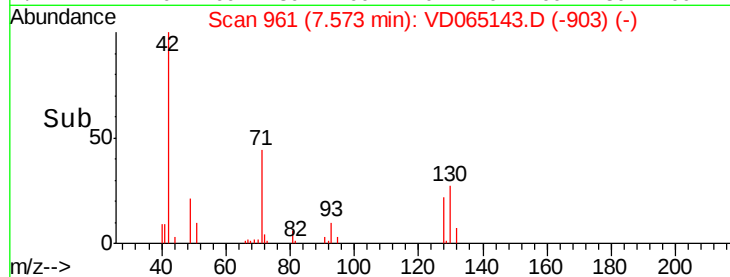
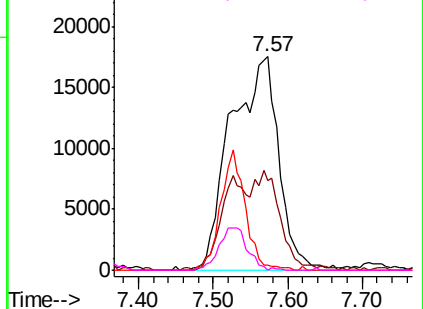
#41
Methacrylonitrile
Concen: 54.843 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.04 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
41	100		
39	25.5	55.4	83.0#
67	0.0	59.0	88.6#
52	0.0	25.4	38.0#

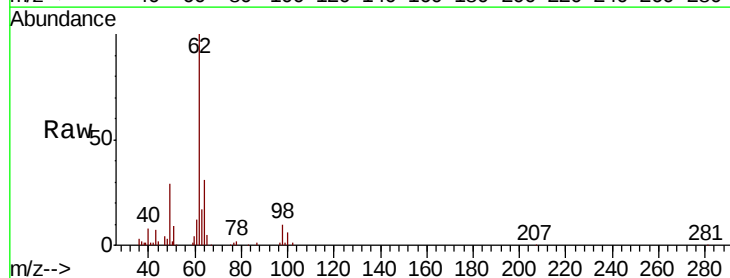


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

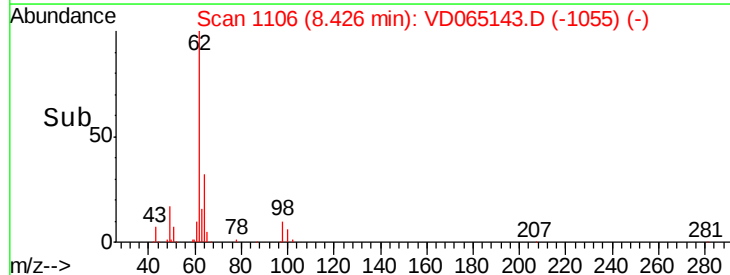
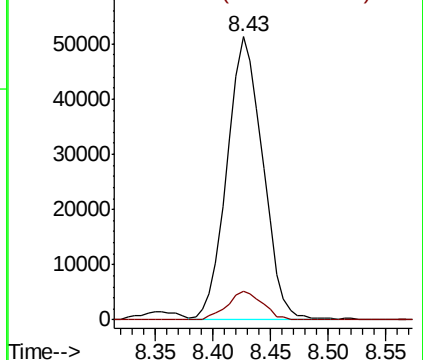


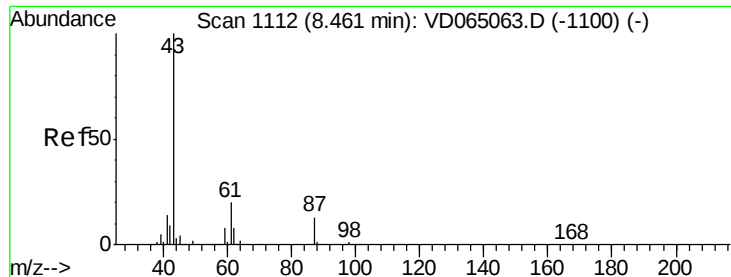
#42
1,2-Dichloroethane
Concen: 22.005 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	18.6



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





#43

Isopropyl Acetate

Concen: 21.098 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

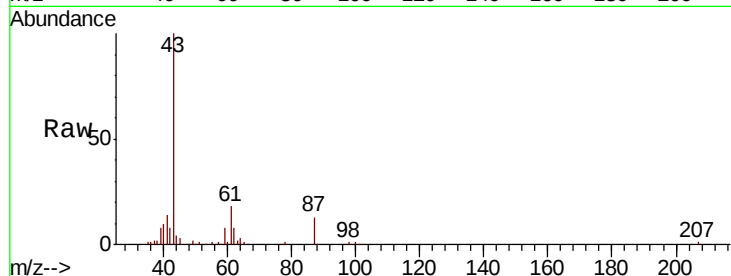
Tot Ion: 43 Resp: 104189

Ion Ratio Lower Upper

43 100

61 29.8 24.0 36.0

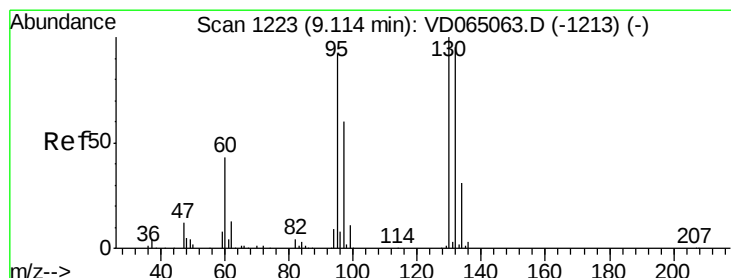
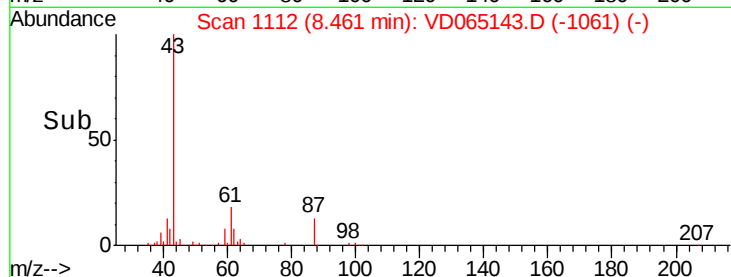
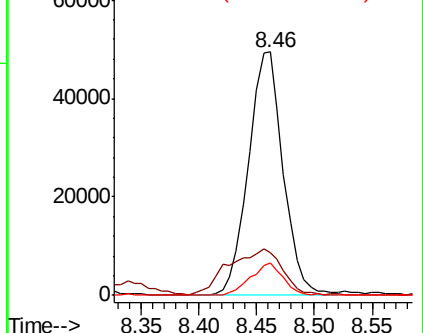
87 12.5 10.2 15.4



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: 22.141 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065143.D

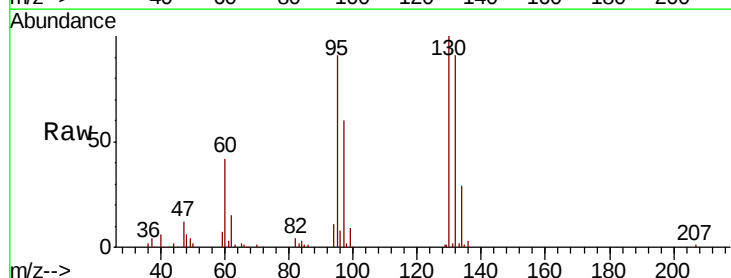
Acq: 11 Feb 2020 11:47

Tgt Ion:130 Resp: 110900

Ion Ratio Lower Upper

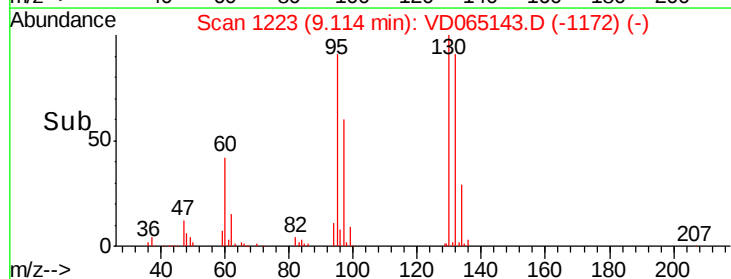
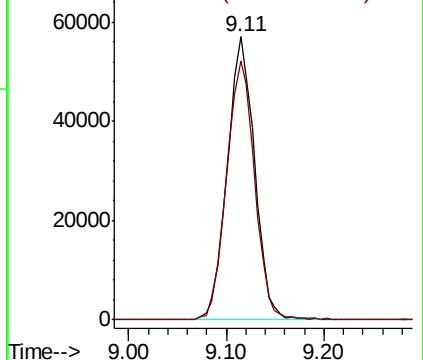
130 100

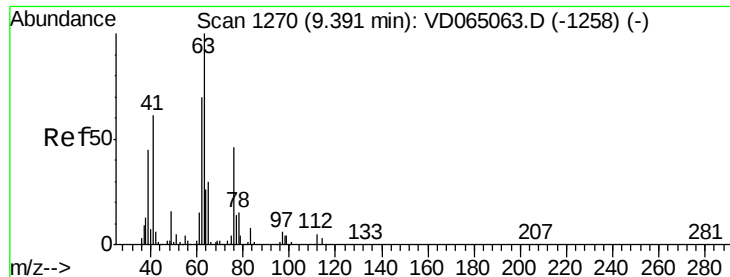
95 91.3 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 23.501 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

Instrument :

MSVOA_D

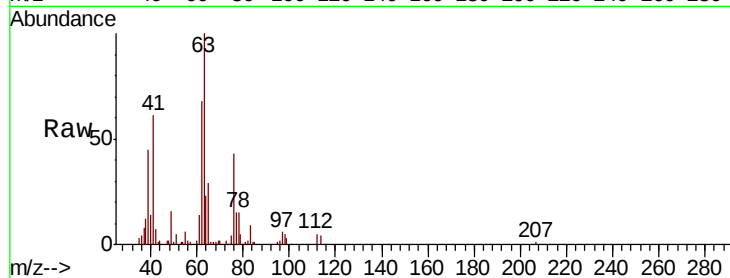
ClientSampled :

Tot Ion: 63 Resp: 98326

Ion Ratio Lower Upper

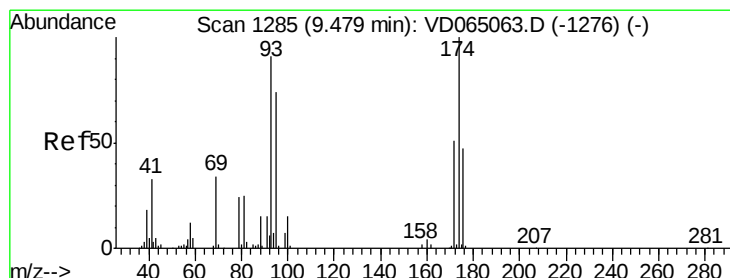
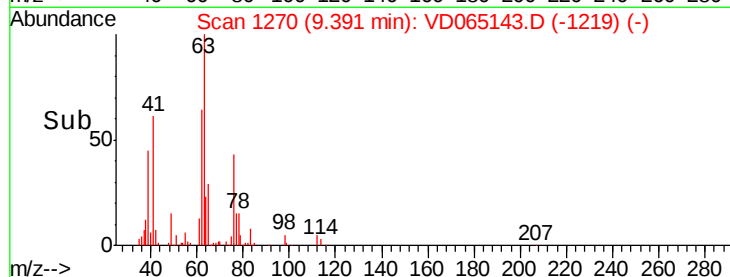
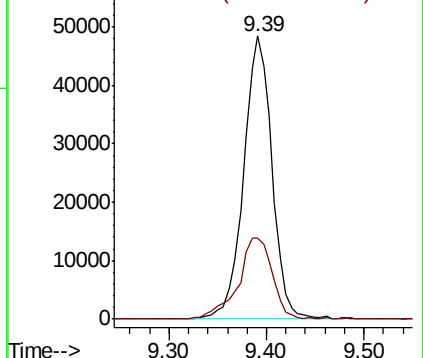
63 100

65 28.6 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 23.092 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

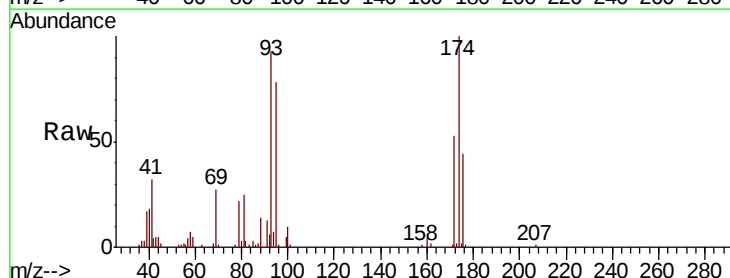
Tgt Ion: 93 Resp: 50768

Ion Ratio Lower Upper

93 100

95 83.1 66.5 99.7

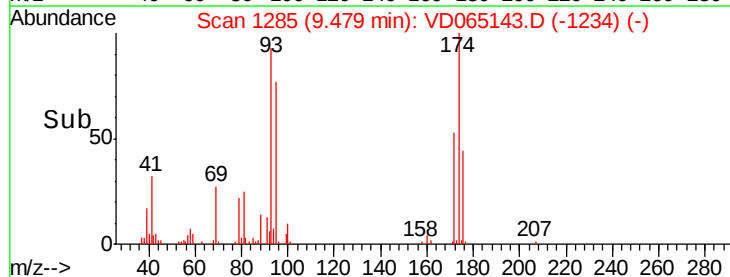
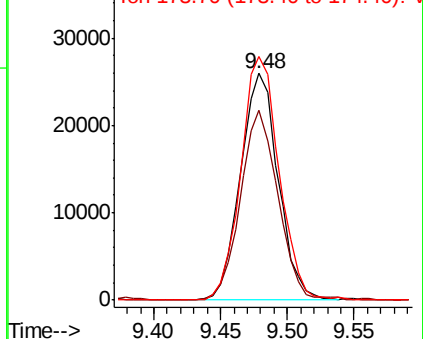
174 108.7 89.8 134.8

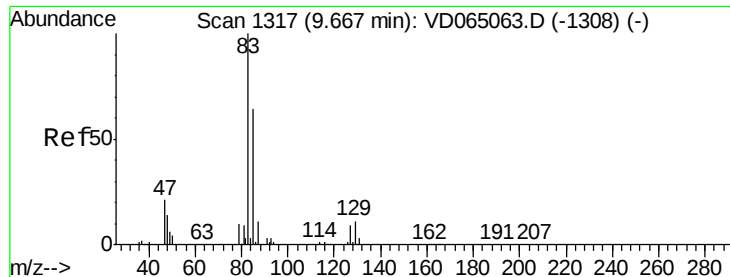


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 23.137 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

Instrument :
MSVOA_D
ClientSampled :

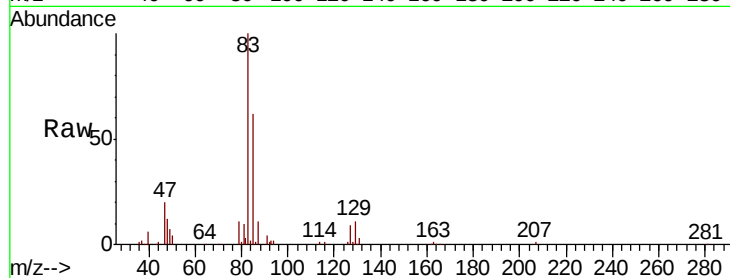
Tot Ion: 83 Resp: 134031

Ion Ratio Lower Upper

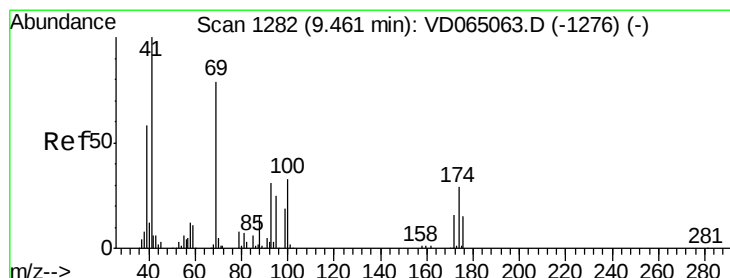
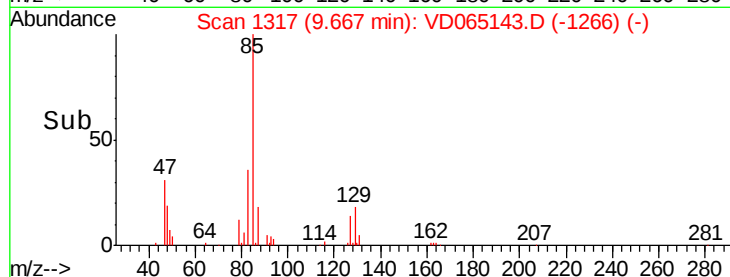
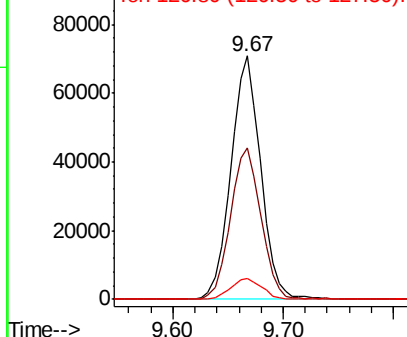
83 100

85 62.3 51.0 76.6

127 8.7 7.3 10.9



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



#48

Methyl methacrylate

Concen: 19.892 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

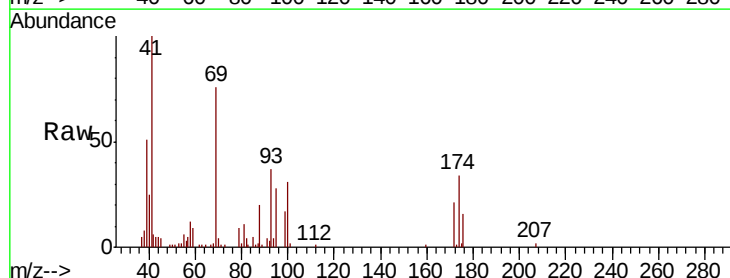
Tgt Ion: 41 Resp: 47271

Ion Ratio Lower Upper

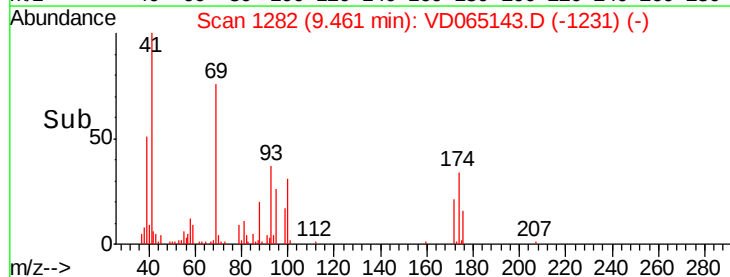
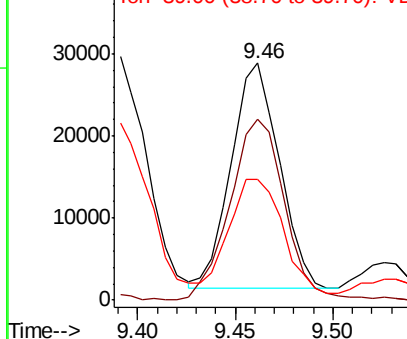
41 100

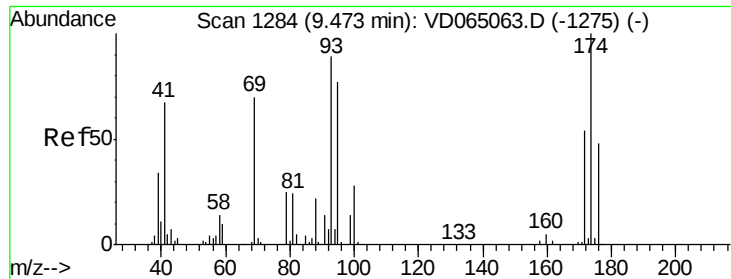
69 91.0 67.5 101.3

39 56.6 47.0 70.4



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

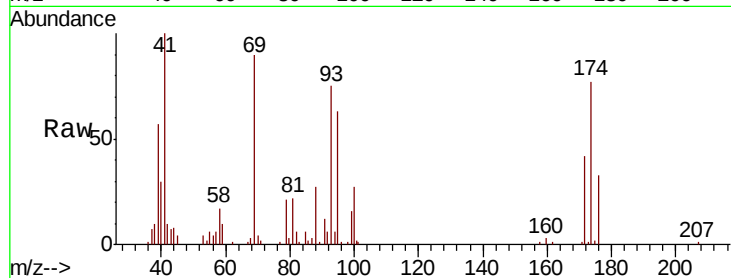




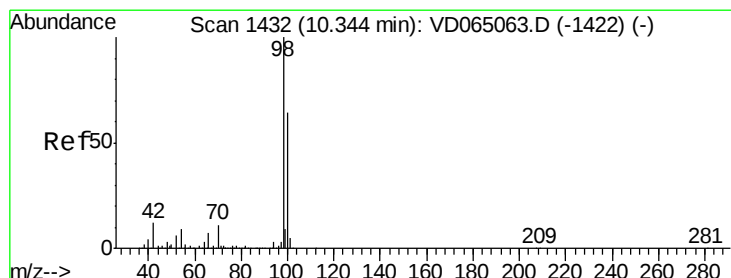
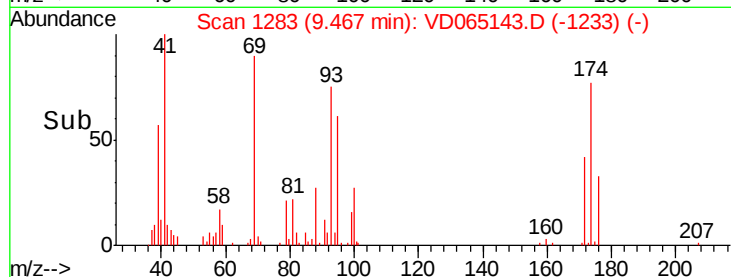
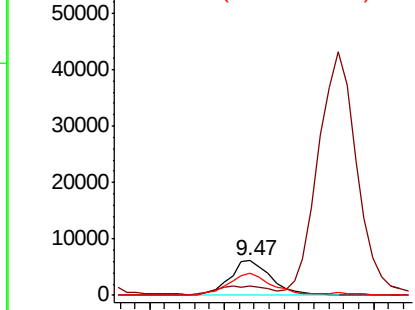
#49
1,4-Dioxane
Concen: 454.573 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 11837
Ion Ratio Lower Upper
88 100
43 29.0 27.7 41.5
58 65.5 55.5 83.3

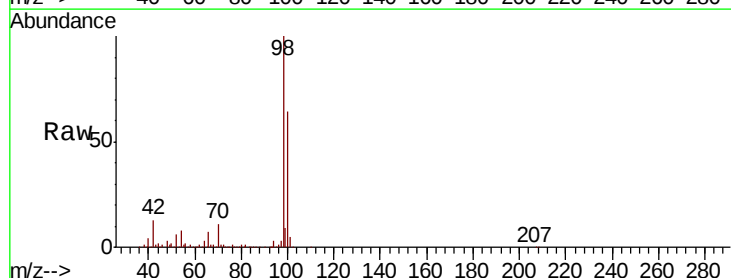


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

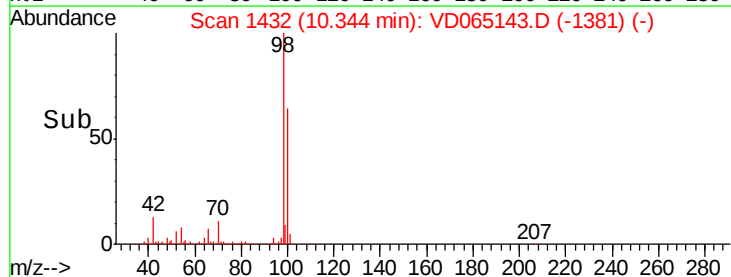
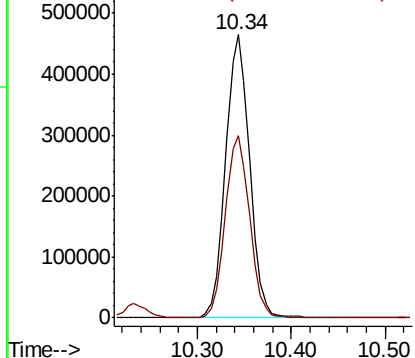


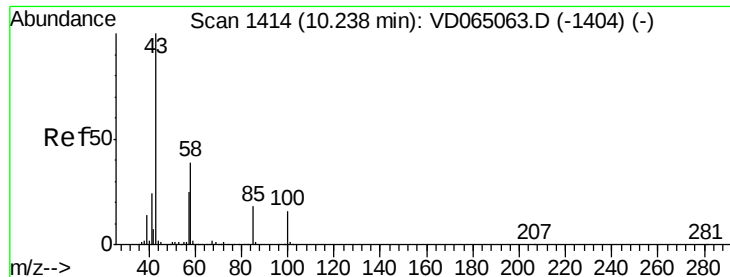
#50
Toluene-d8
Concen: 54.646 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

Tgt Ion: 98 Resp: 824713
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1



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

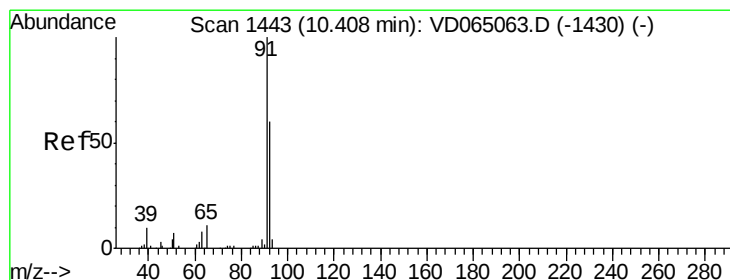
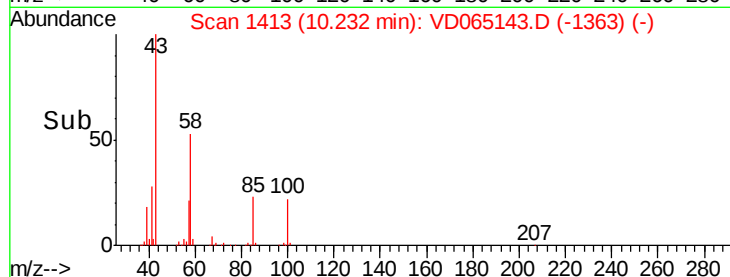
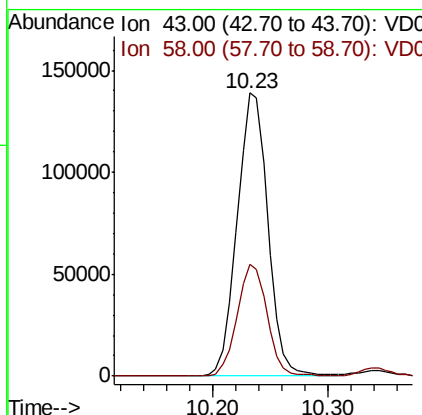
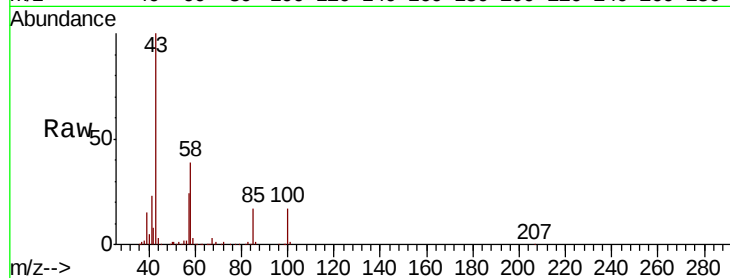




#51
4-Methyl-2-Pentanone
Concen: 105.789 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

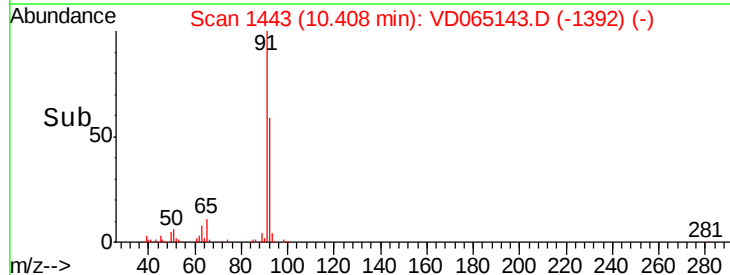
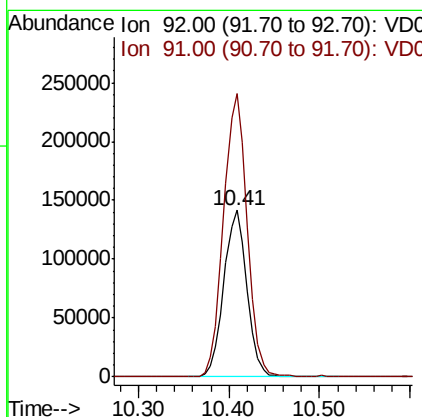
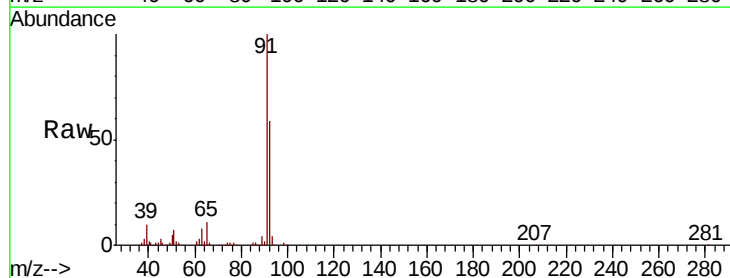
Instrument :
MSVOA_D
ClientSampleId :

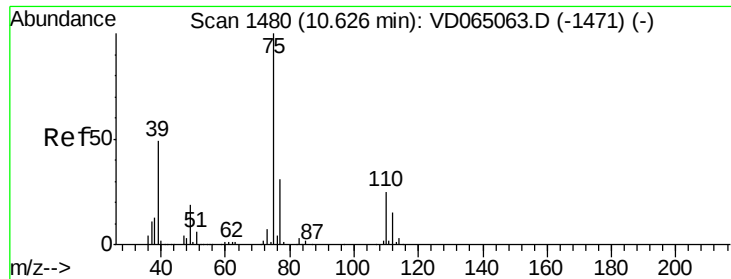
Tot Ion: 43 Resp: 257148
Ion Ratio Lower Upper
43 100
58 38.5 30.2 45.2



#52
Toluene
Concen: 22.538 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

Tgt Ion: 92 Resp: 251013
Ion Ratio Lower Upper
92 100
91 173.5 135.3 202.9





#53

t-1,3-Dichloropropene

Concen: 22.312 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

Instrument :

MSVOA_D

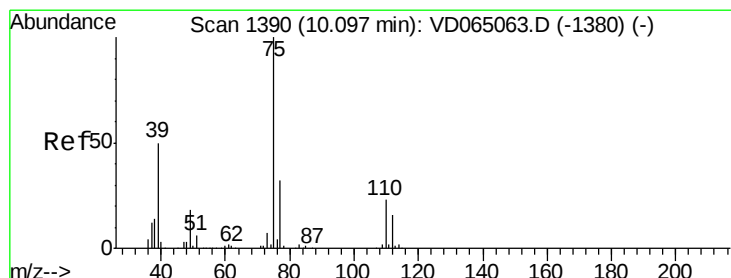
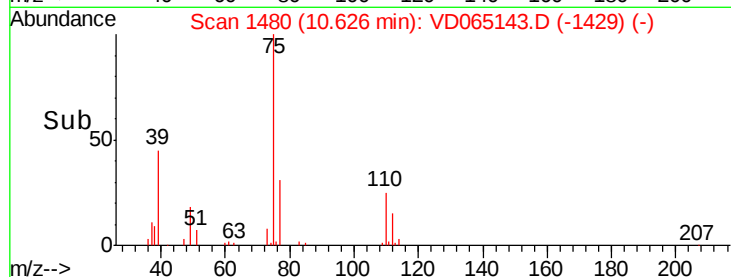
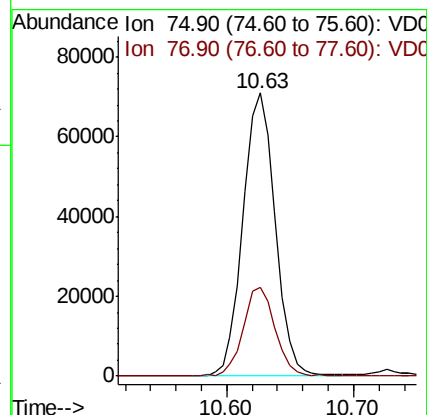
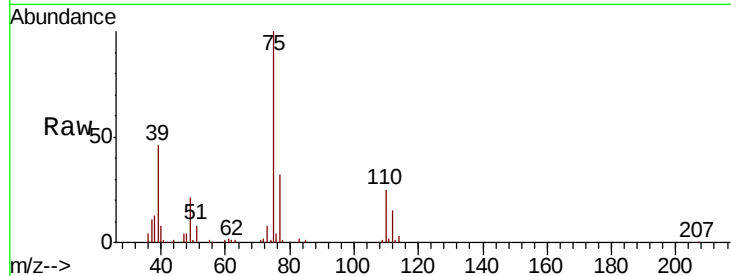
ClientSampleId :

Tot Ion: 75 Resp: 125843

Ion Ratio Lower Upper

75 100

77 31.5 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 21.940 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

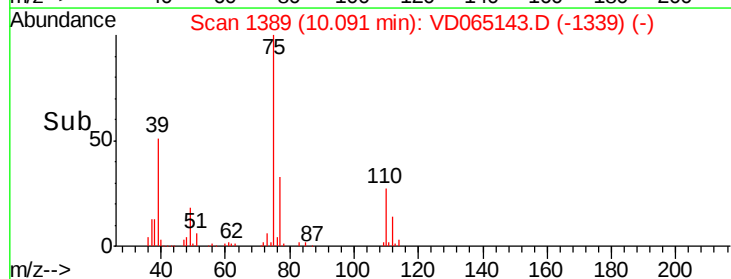
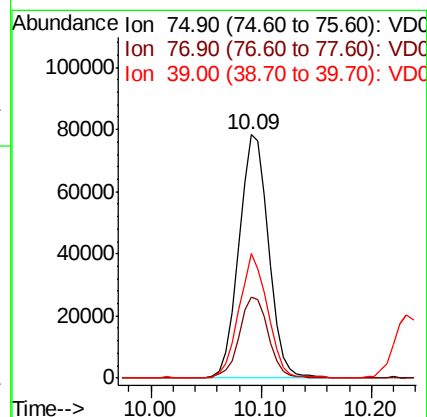
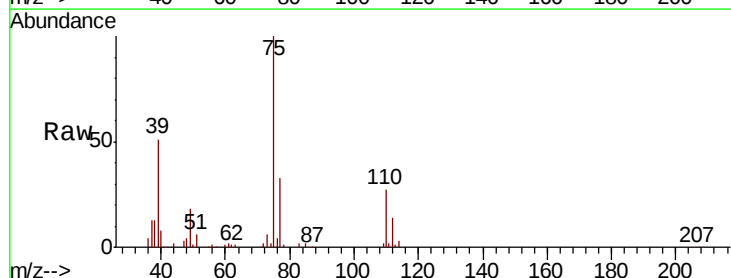
Tgt Ion: 75 Resp: 147997

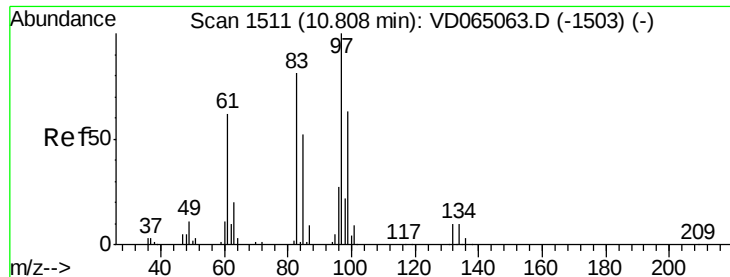
Ion Ratio Lower Upper

75 100

77 33.3 25.3 37.9

39 51.1 40.3 60.5

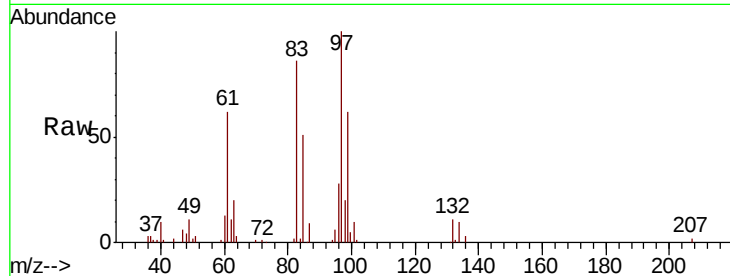




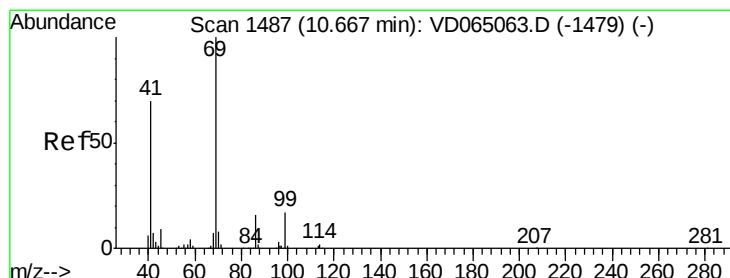
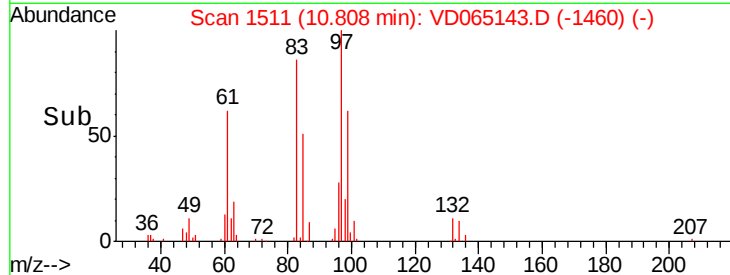
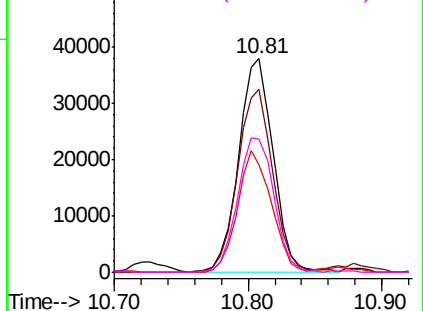
#55
 1,1,2-Trichloroethane
 Concen: 22.524 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065143.D
 Acq: 11 Feb 2020 11:47

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	67922
Ion	Ratio	Lower	Upper
97	100		
83	85.6	64.8	97.2
85	50.5	41.2	61.8
99	62.3	50.3	75.5

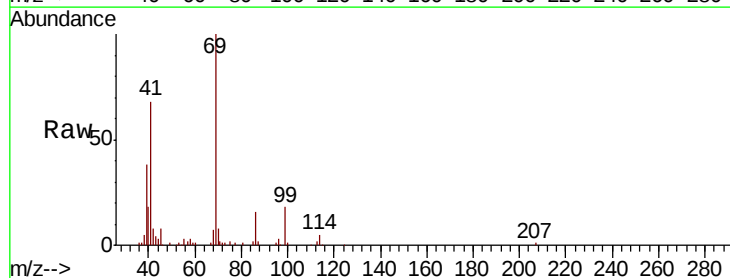


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

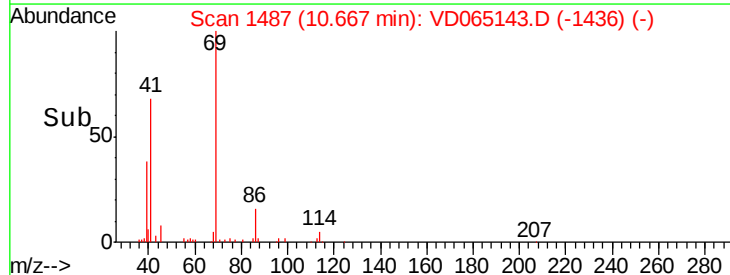
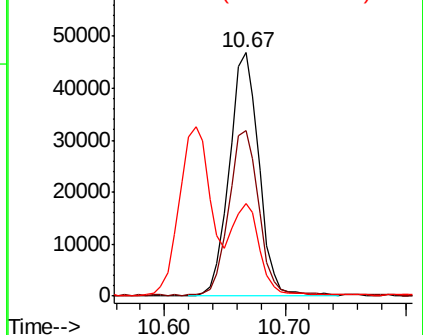


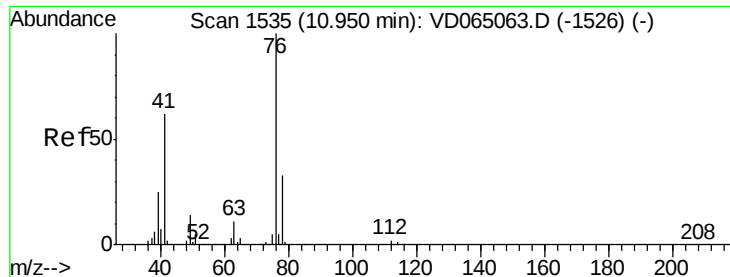
#56
 Ethyl methacrylate
 Concen: 21.010 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065143.D
 Acq: 11 Feb 2020 11:47

Tgt Ion:	69	Resp:	80165
Ion	Ratio	Lower	Upper
69	100		
41	68.4	55.9	83.9
39	34.4	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: 22.463 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

Instrument :

MSVOA_D

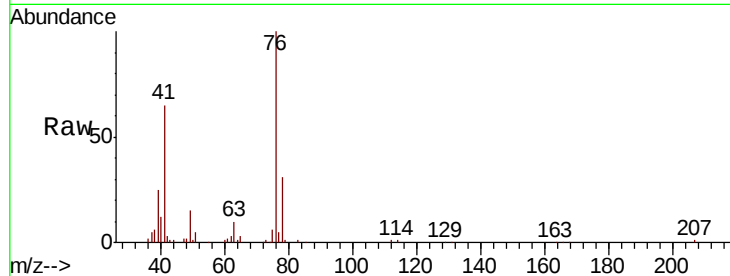
ClientSampleId :

Tot Ion: 76 Resp: 119115

Ion Ratio Lower Upper

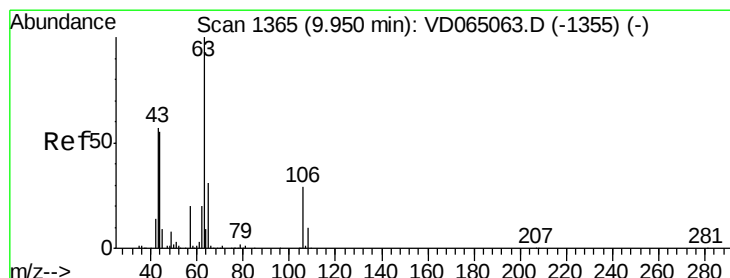
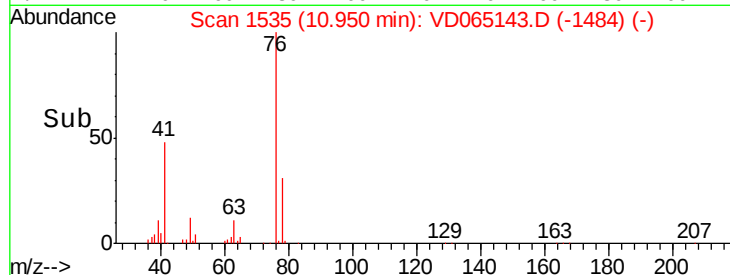
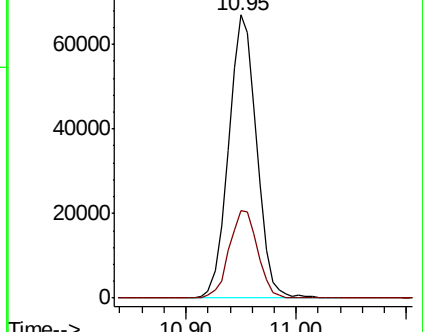
76 100

78 31.6 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 88.720 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065143.D

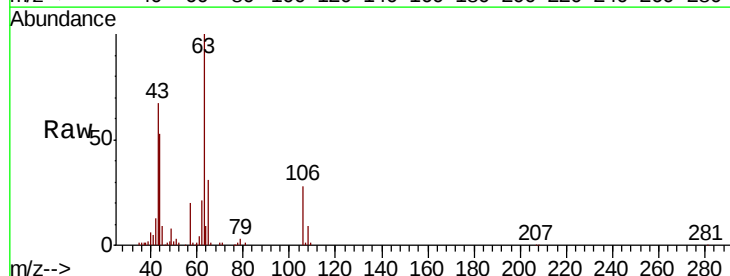
Acq: 11 Feb 2020 11:47

Tgt Ion: 63 Resp: 124490

Ion Ratio Lower Upper

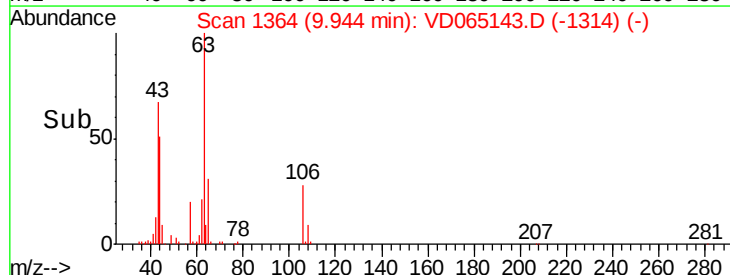
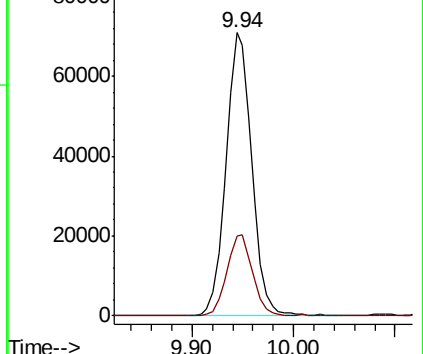
63 100

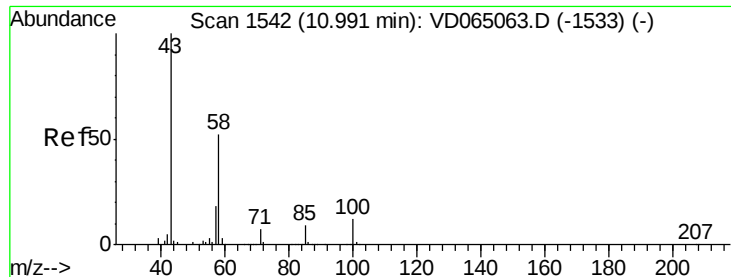
106 28.6 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

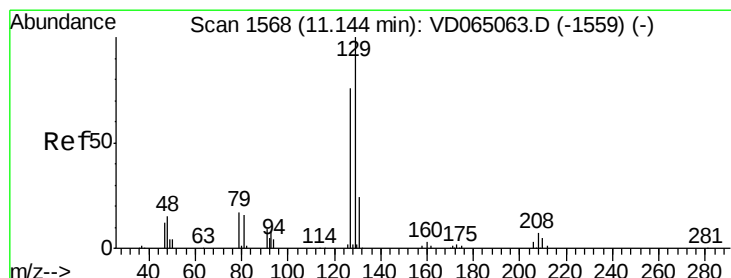
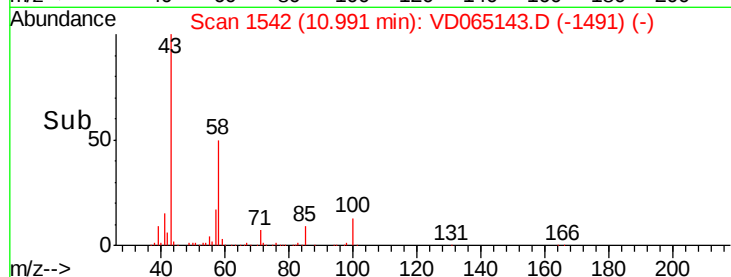
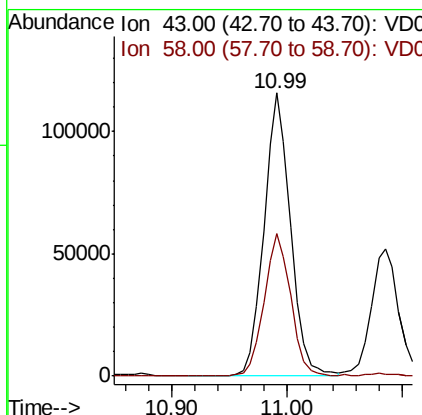
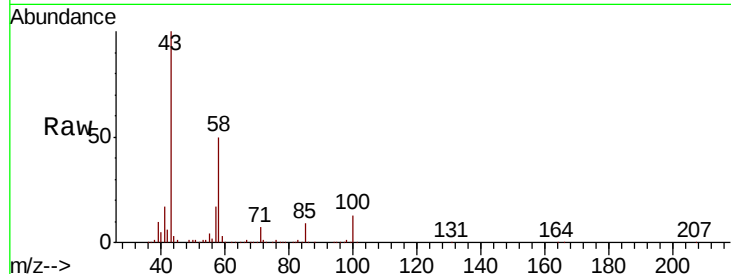




#59
2-Hexanone
Concen: 107.619 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

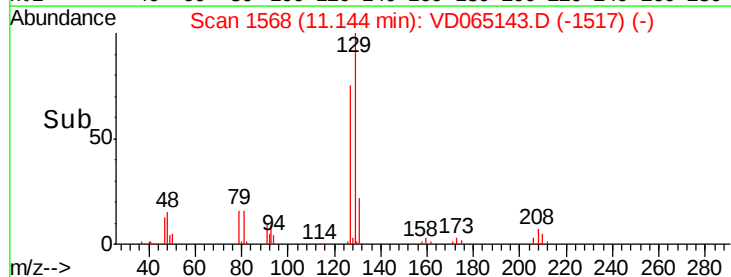
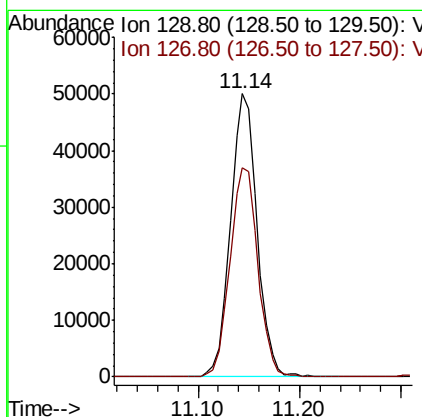
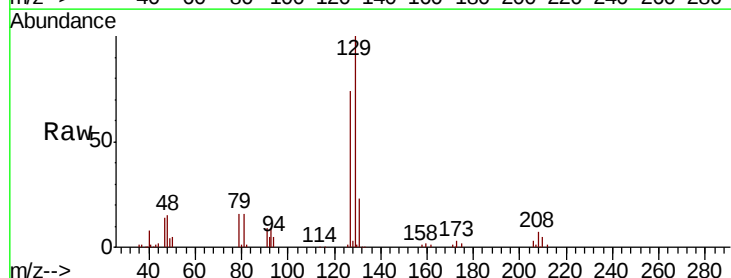
Instrument :
MSVOA_D
ClientSampleID :

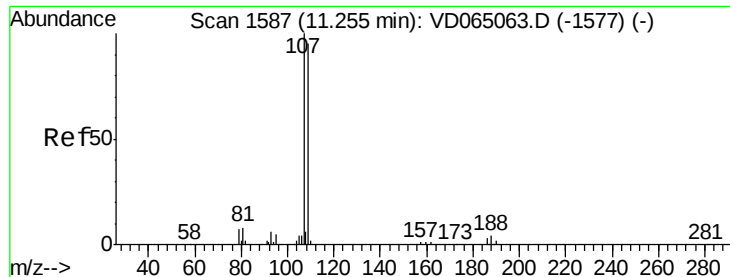
Tot Ion: 43 Resp: 185294
Ion Ratio Lower Upper
43 100
58 50.3 26.2 78.6



#60
Dibromochloromethane
Concen: 23.175 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

Tgt Ion:129 Resp: 90520
Ion Ratio Lower Upper
129 100
127 77.8 38.3 114.9





#61

1,2-Dibromoethane

Concen: 22.775 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.01 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

Instrument :

MSVOA_D

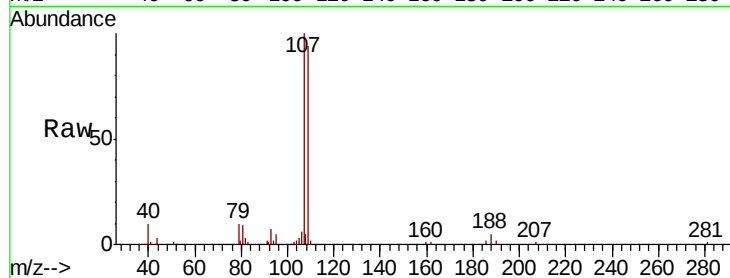
ClientSampleId :

Tot Ion: 107 Resp: 67109

Ion Ratio Lower Upper

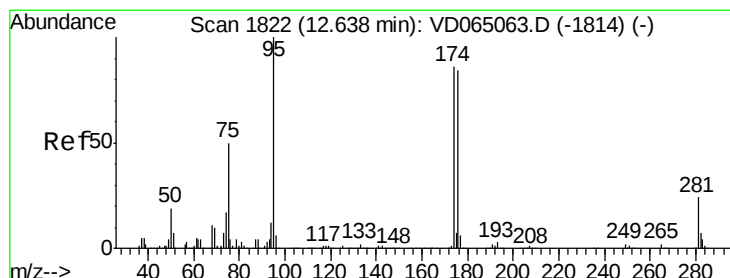
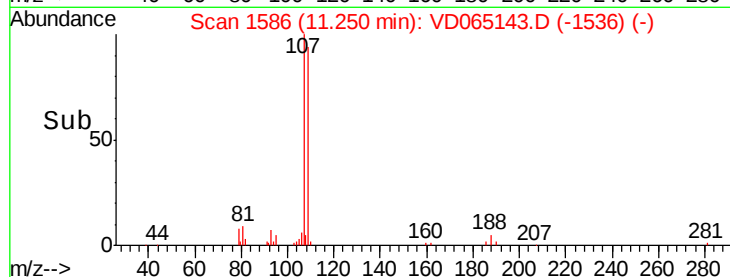
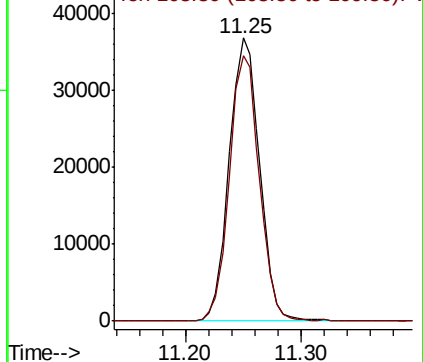
107 100

109 92.1 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.435 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

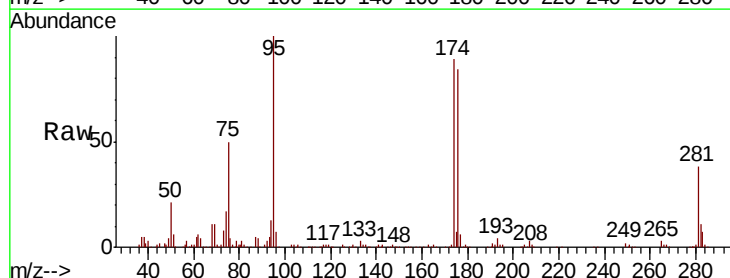
Tgt Ion: 95 Resp: 260313

Ion Ratio Lower Upper

95 100

174 89.8 0.0 180.0

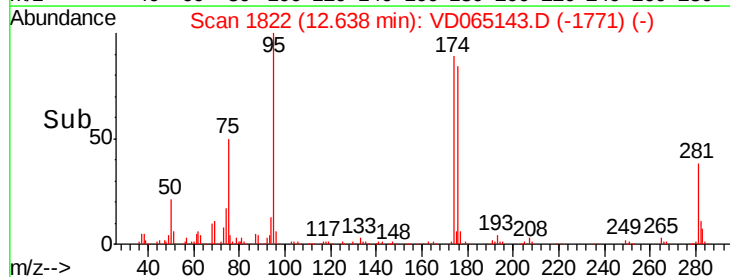
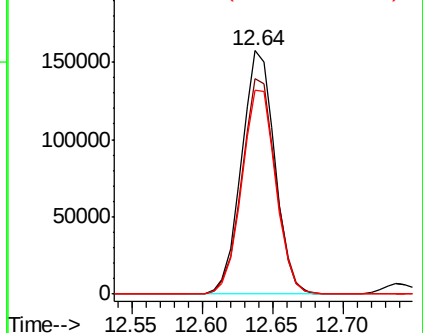
176 85.5 0.0 173.2

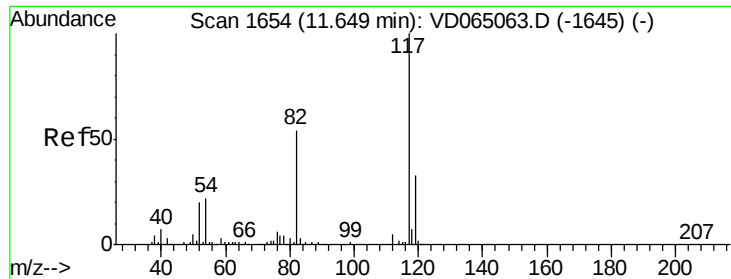


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

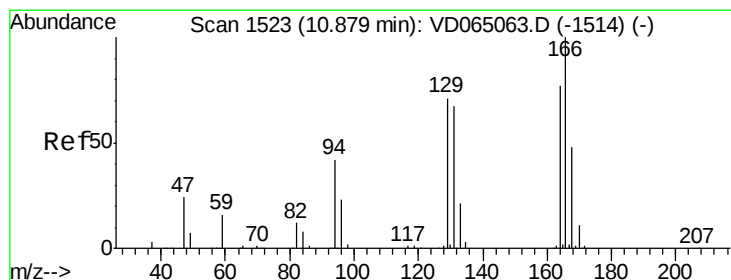
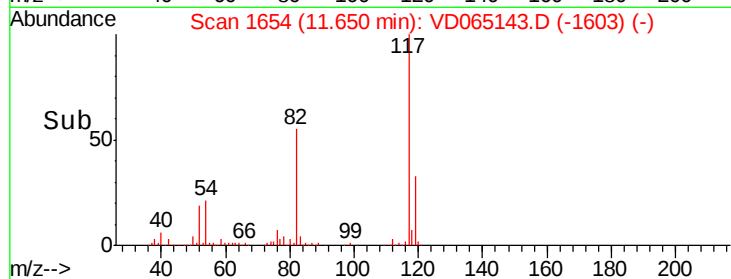
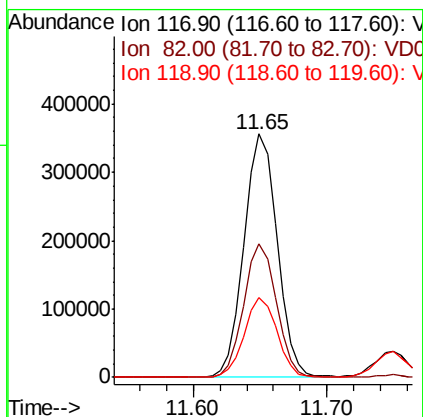
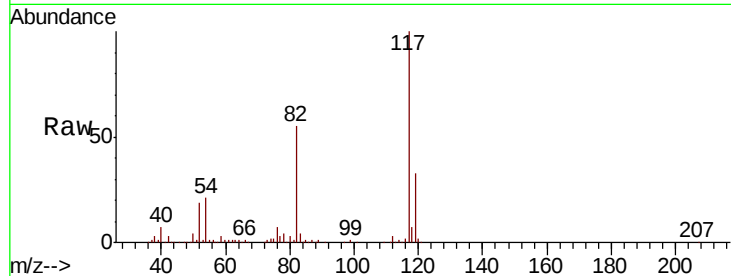




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

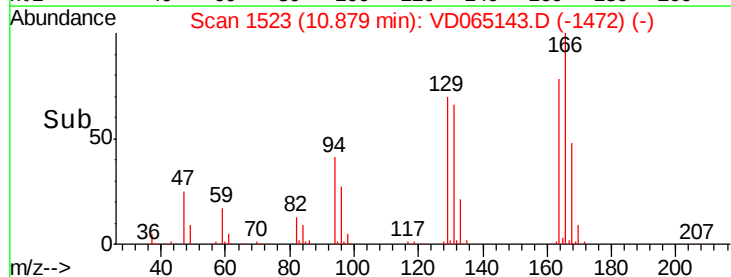
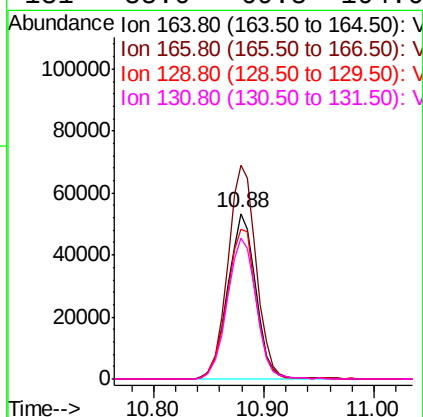
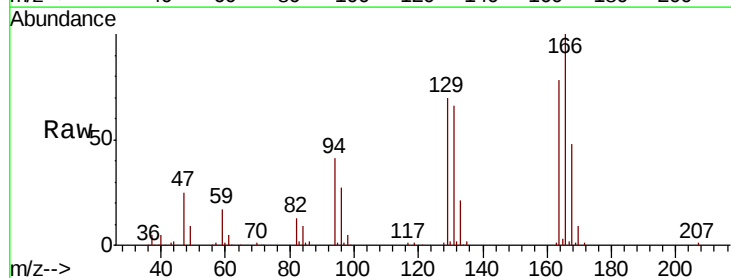
Instrument :
MSVOA_D
ClientSampled :

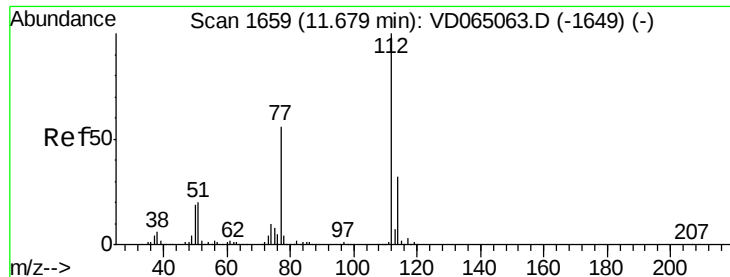
Tot Ion:117 Resp: 613466
Ion Ratio Lower Upper
117 100
82 54.7 43.1 64.7
119 32.7 26.0 39.0



#64
Tetrachloroethene
Concen: 21.484 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

Tgt Ion:164 Resp: 94705
Ion Ratio Lower Upper
164 100
166 128.9 103.5 155.3
129 90.6 73.3 109.9
131 85.0 69.8 104.6

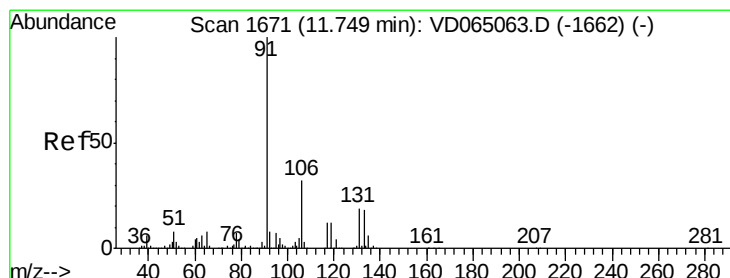
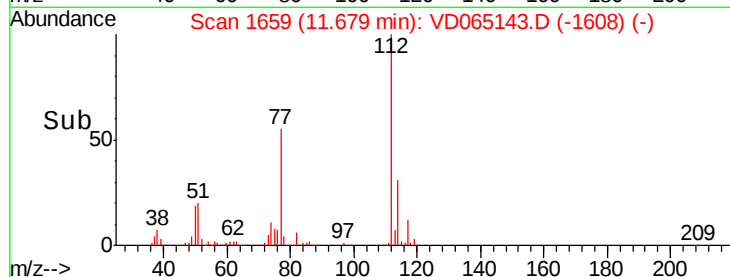
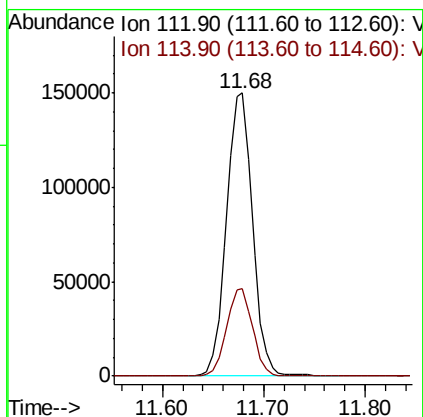
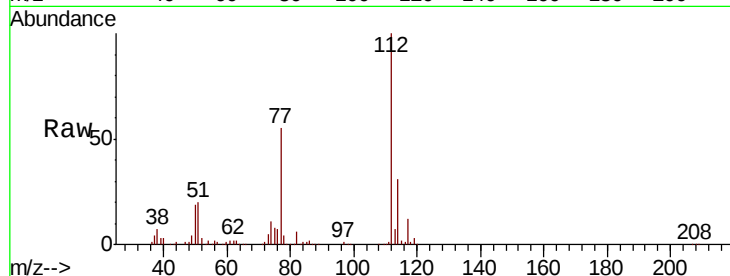




#65
Chlorobenzene
Concen: 22.491 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

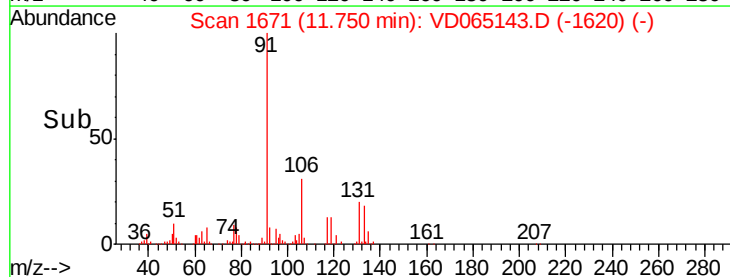
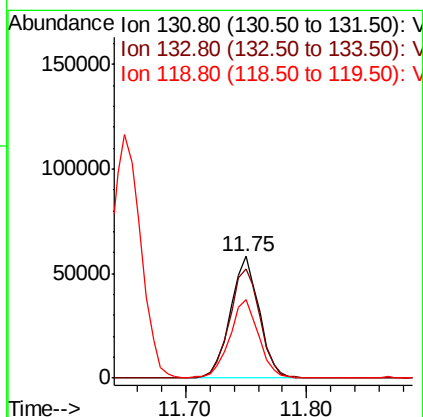
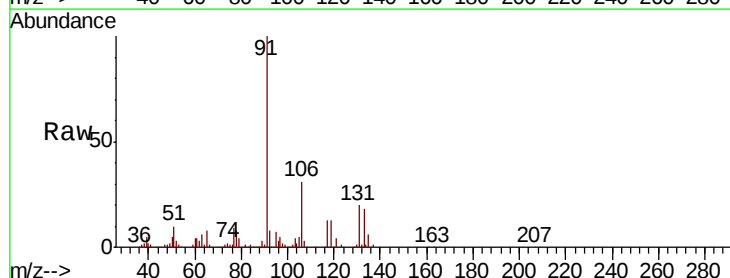
Instrument :
MSVOA_D
ClientSampleId :

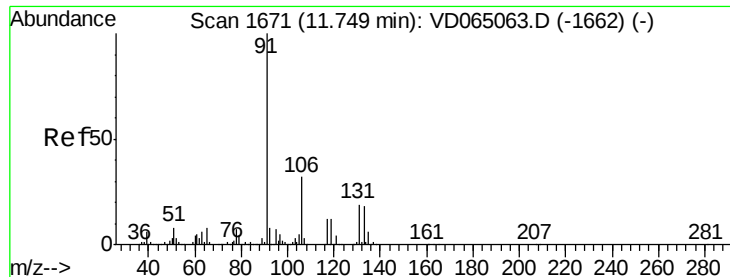
Tot Ion:112 Resp: 266862
Ion Ratio Lower Upper
112 100
114 30.8 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.100 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

Tgt Ion:131 Resp: 96783
Ion Ratio Lower Upper
131 100
133 95.5 47.7 143.1
119 65.3 31.3 93.8





#67

Ethyl Benzene

Concen: 21.452 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

Instrument :

MSVOA_D

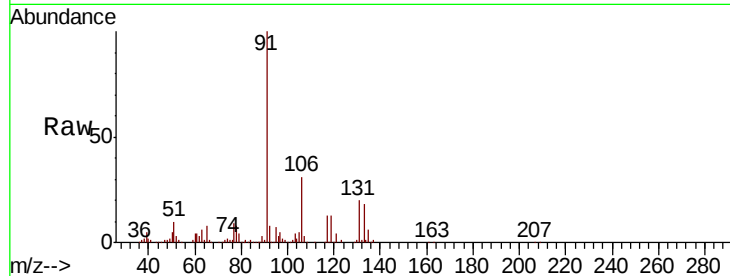
ClientSampleId :

Tot Ion: 91 Resp: 462446

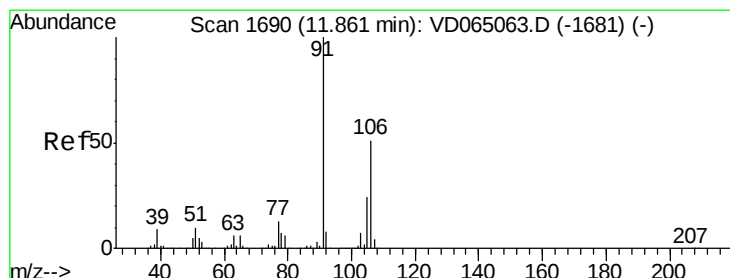
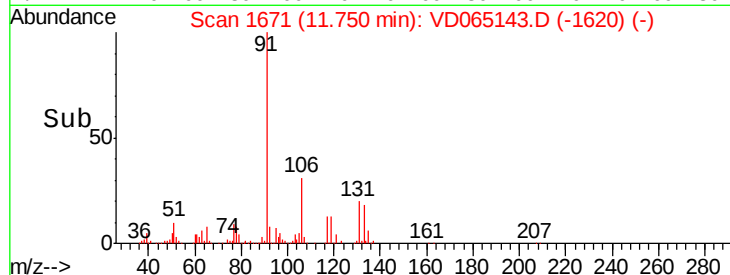
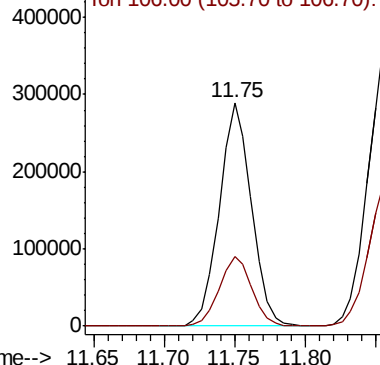
Ion Ratio Lower Upper

91 100

106 30.9 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VD065143.D (-1670) (-)



#68

m/p-Xylenes

Concen: 44.559 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065143.D

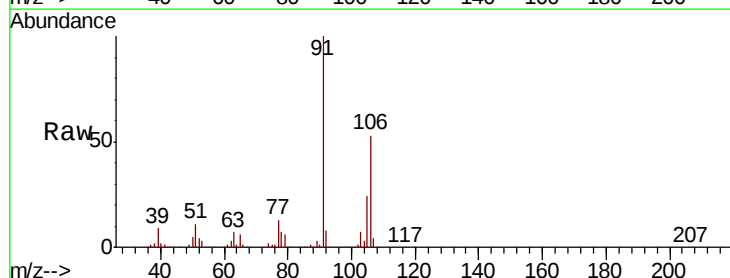
Acq: 11 Feb 2020 11:47

Tgt Ion: 106 Resp: 366622

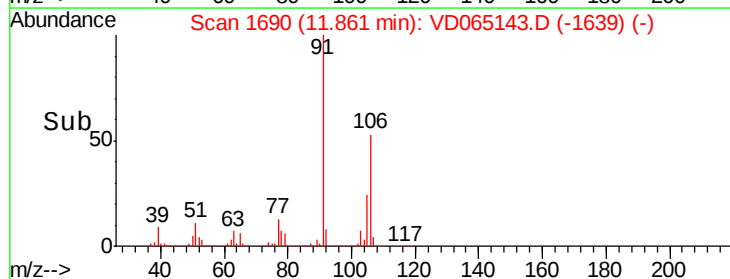
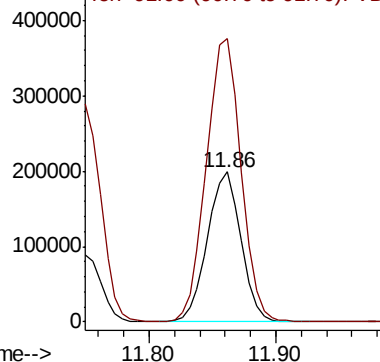
Ion Ratio Lower Upper

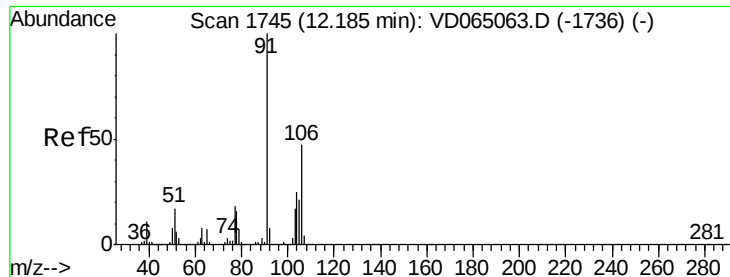
106 100

91 194.9 158.9 238.3



Abundance Ion 106.00 (105.70 to 106.70): VD065143.D (-1689) (-)

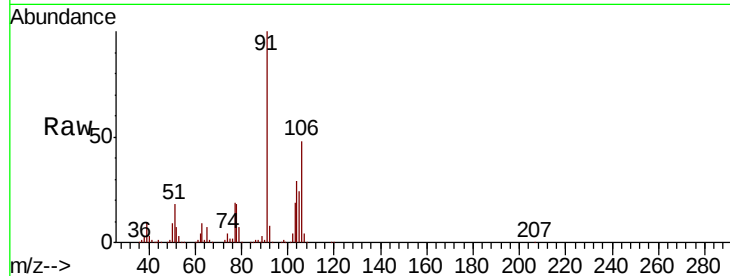




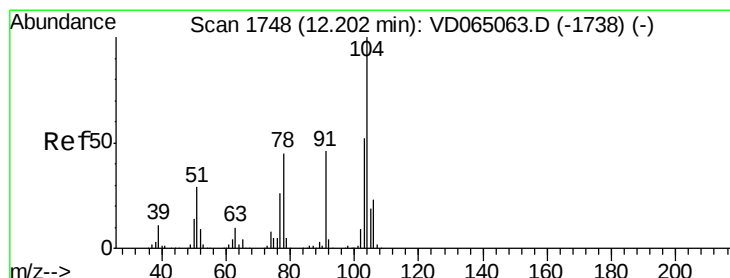
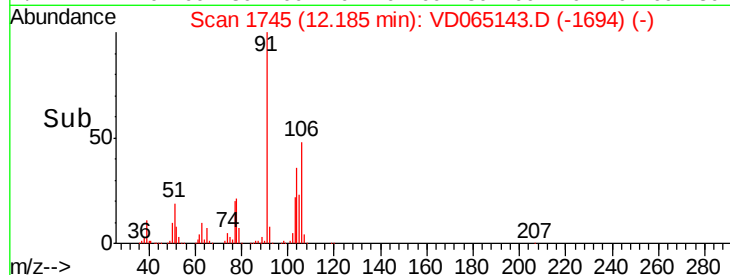
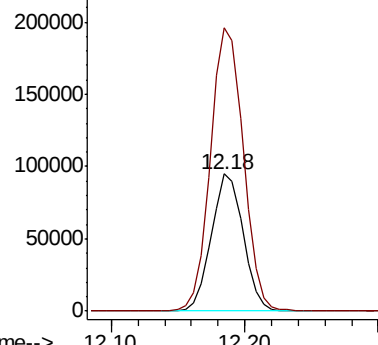
#69
o-Xylene
Concen: 21.168 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 156837
Ion Ratio Lower Upper
106 100
91 212.4 104.7 313.9

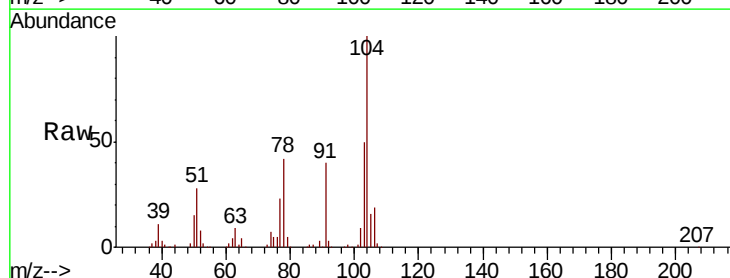


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

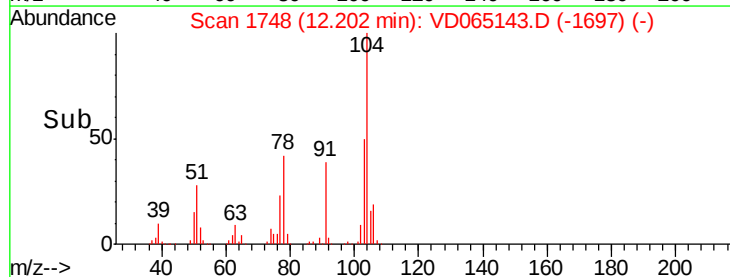
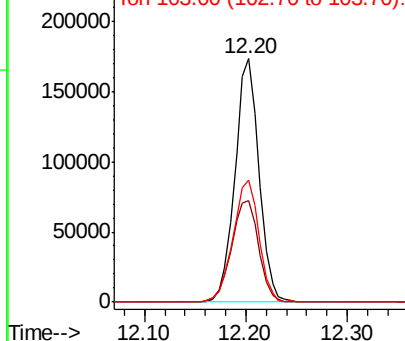


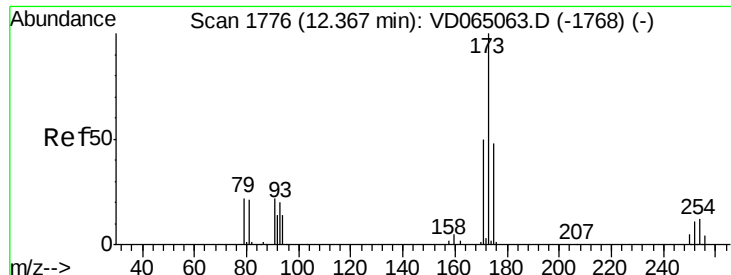
#70
Styrene
Concen: 22.118 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

Tgt Ion:104 Resp: 284822
Ion Ratio Lower Upper
104 100
78 47.2 38.5 57.7
103 54.1 43.8 65.8



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

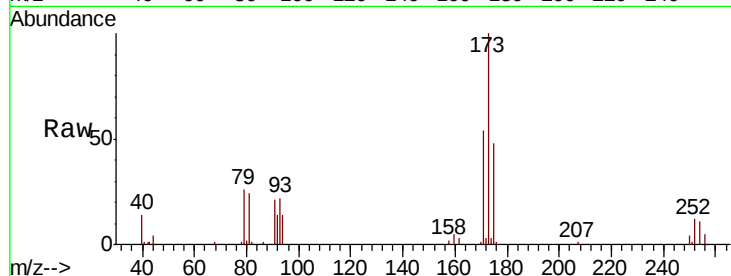




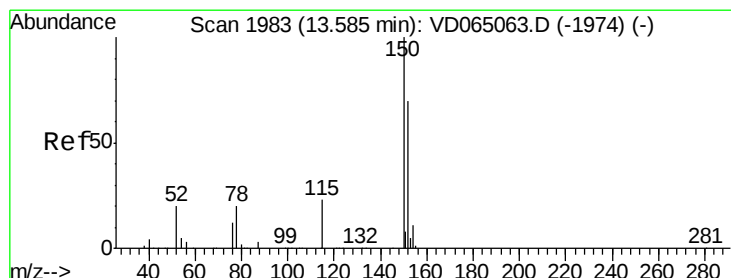
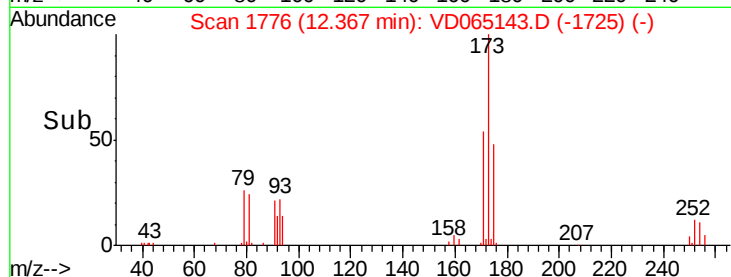
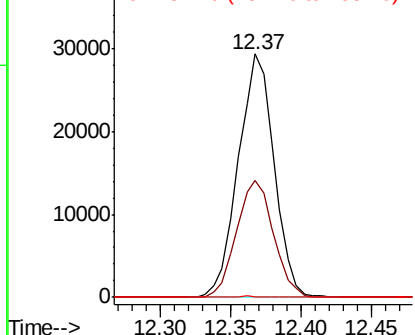
#71
Bromoform
Concen: 22.099 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 52090
Ion Ratio Lower Upper
173 100
175 49.4 24.3 72.8
254 0.1 0.1 0.1#

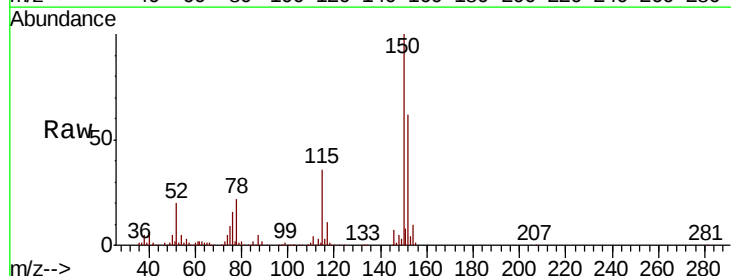


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

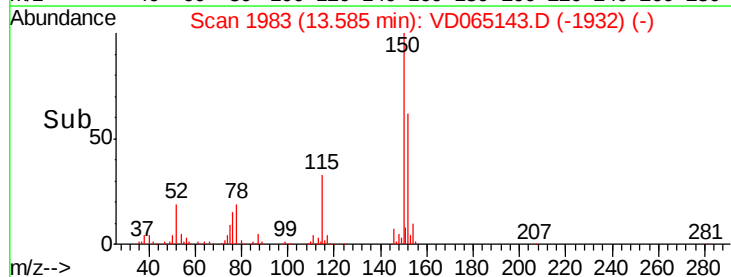
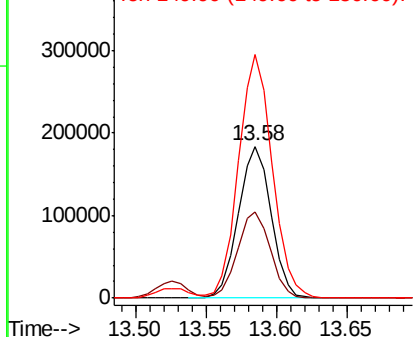


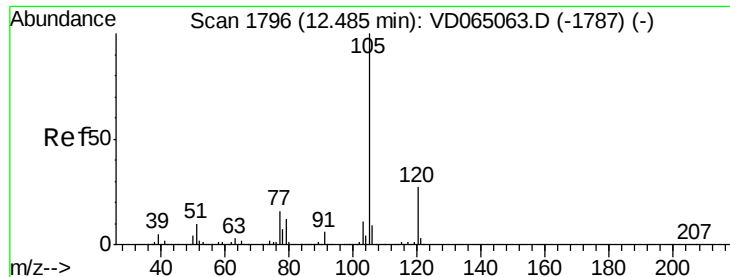
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

Tgt Ion:152 Resp: 298866
Ion Ratio Lower Upper
152 100
115 56.9 27.5 82.4
150 165.0 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: 21.454 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

Instrument :

MSVOA_D

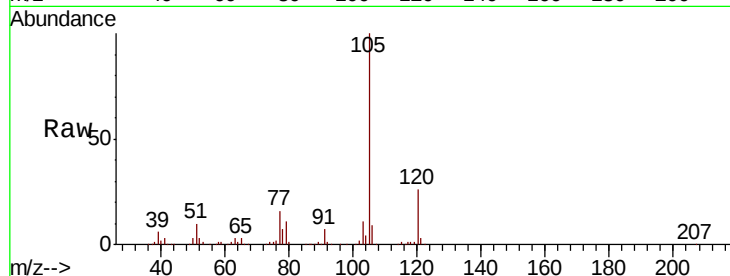
ClientSampleId :

Tot Ion:105 Resp: 440090

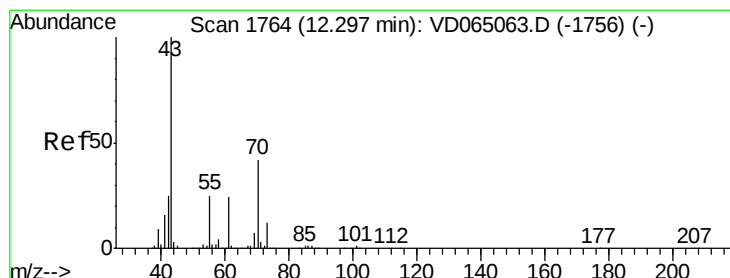
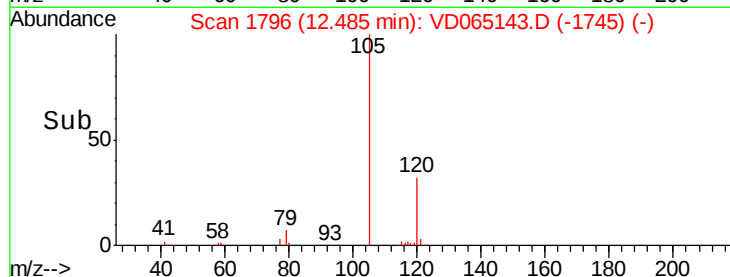
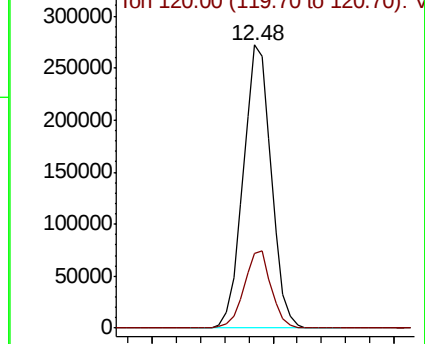
Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V



#74

N-ethyl acetate

Concen: 20.442 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

Tgt Ion: 43 Resp: 91143

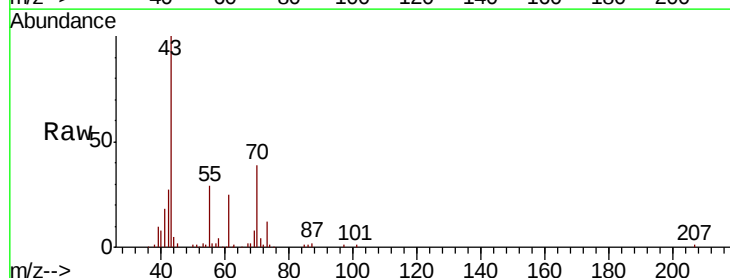
Ion Ratio Lower Upper

43 100

70 41.1 33.5 50.3

55 27.4 19.4 29.2

61 23.3 18.6 28.0

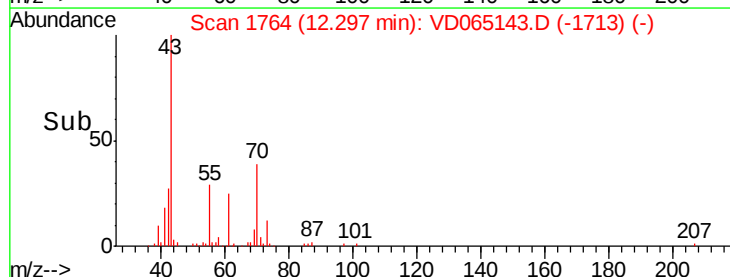
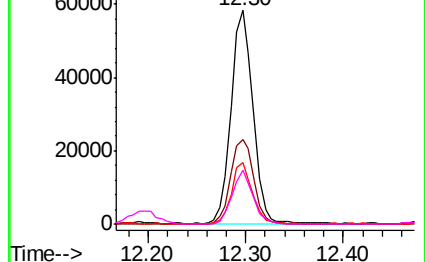


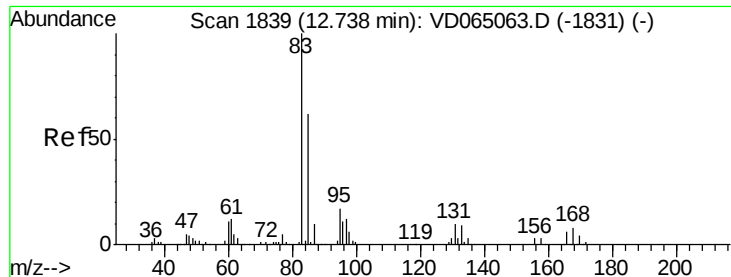
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.656 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

Instrument :

MSVOA_D

ClientSampled :

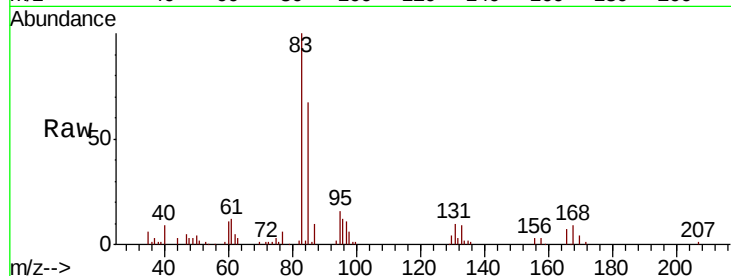
Tot Ion: 83 Resp: 73144

Ion Ratio Lower Upper

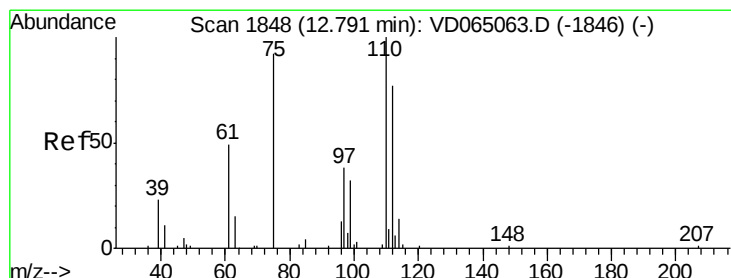
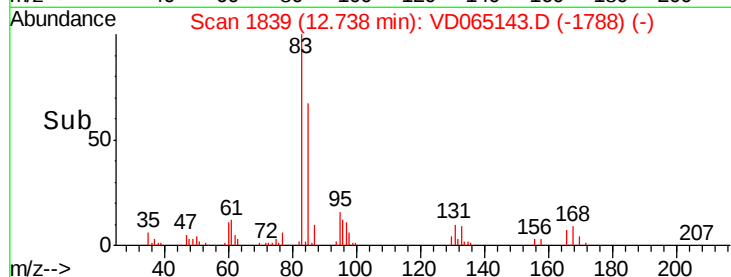
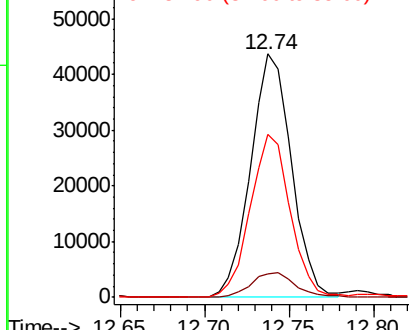
83 100

131 11.1 5.5 16.4

85 65.5 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: 42.662 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065143.D

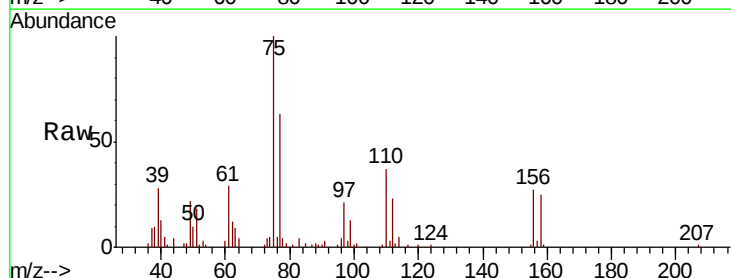
Acq: 11 Feb 2020 11:47

Tgt Ion: 75 Resp: 96532

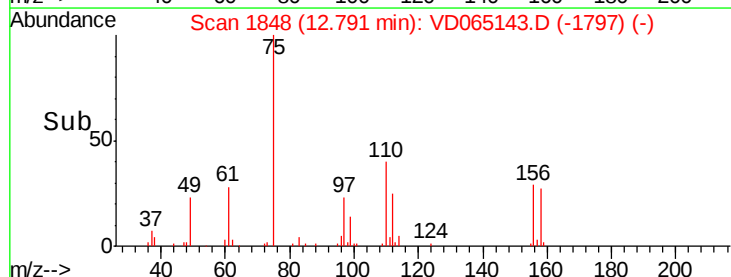
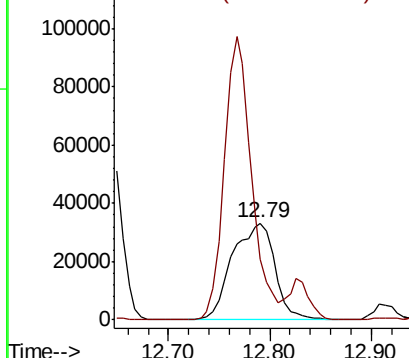
Ion Ratio Lower Upper

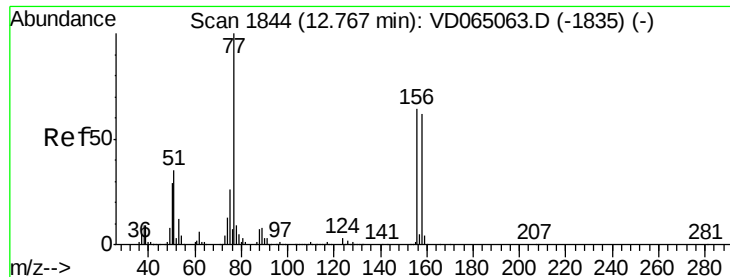
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.466 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

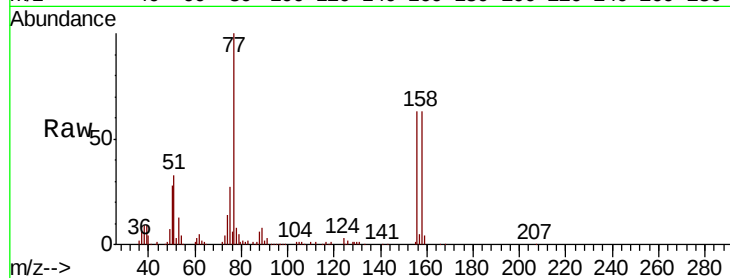
Tot Ion:156 Resp: 106092

Ion Ratio Lower Upper

156 100

77 170.7 85.6 256.8

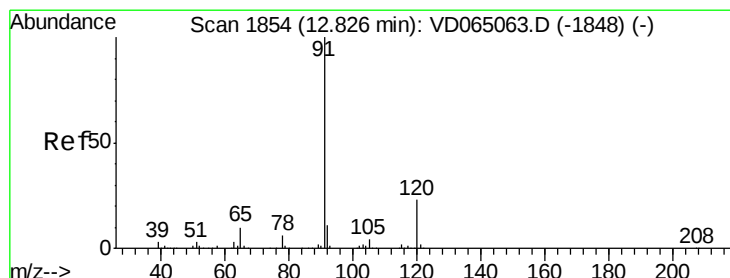
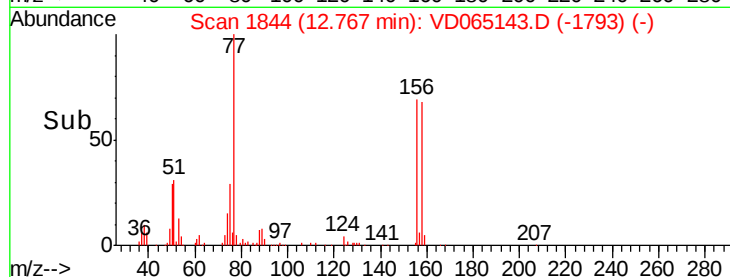
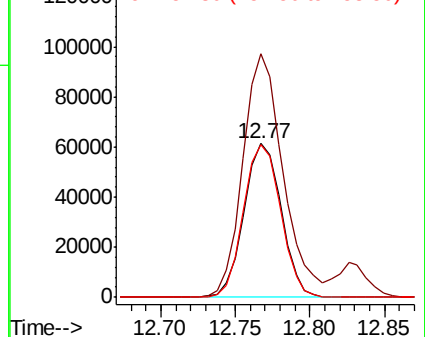
158 99.1 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.084 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065143.D

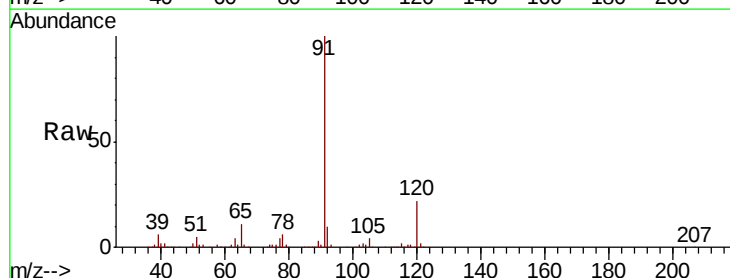
Acq: 11 Feb 2020 11:47

Tgt Ion: 91 Resp: 530516

Ion Ratio Lower Upper

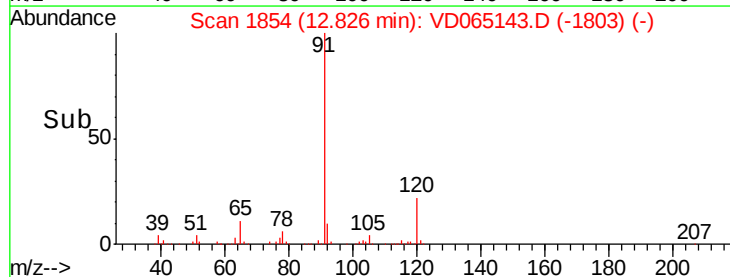
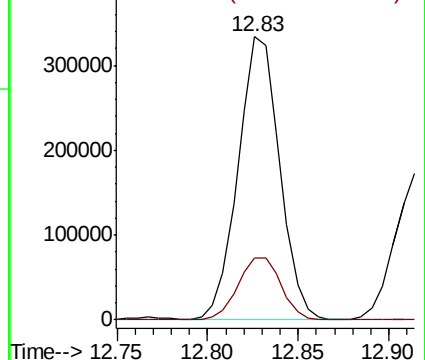
91 100

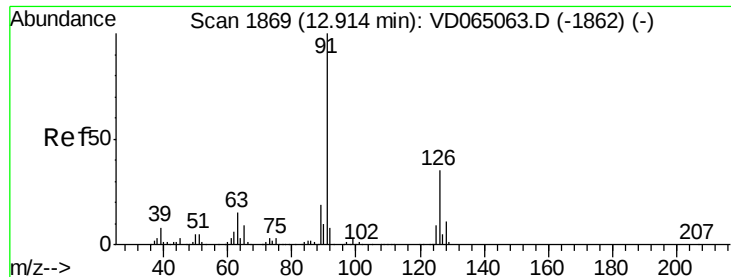
120 23.0 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.526 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065143.D

Acq: 11 Feb 2020 11:47

Instrument :

MSVOA_D

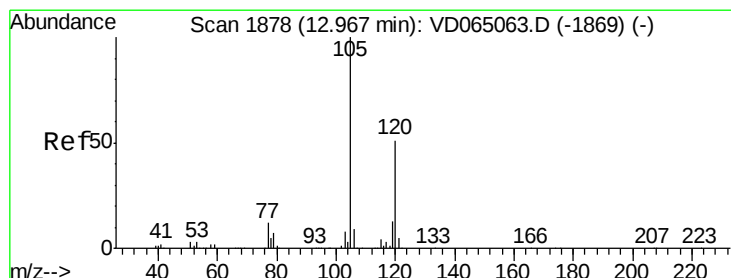
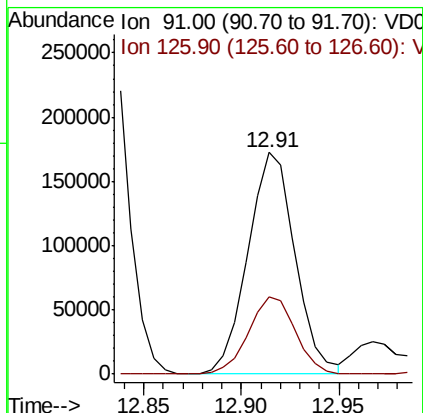
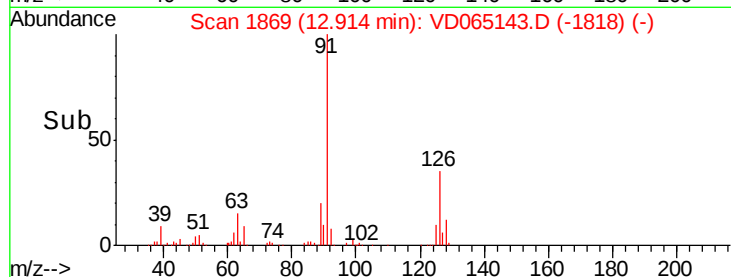
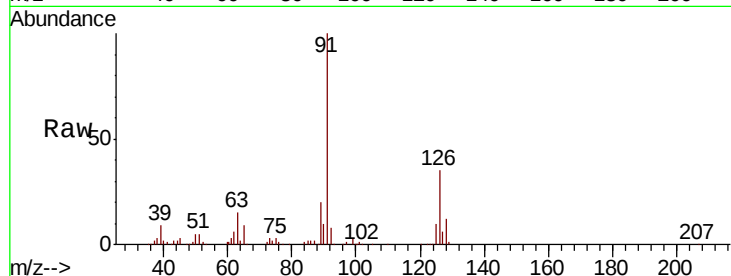
ClientSampleId :

Tot Ion: 91 Resp: 288237

Ion Ratio Lower Upper

91 100

126 34.8 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 21.650 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065143.D

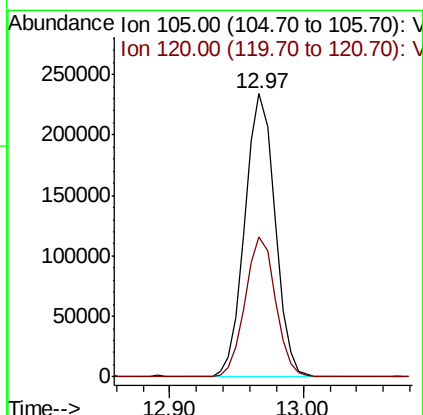
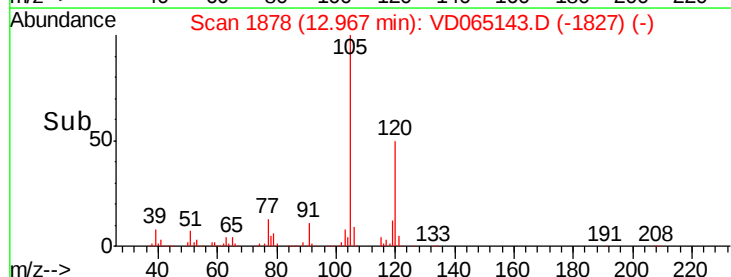
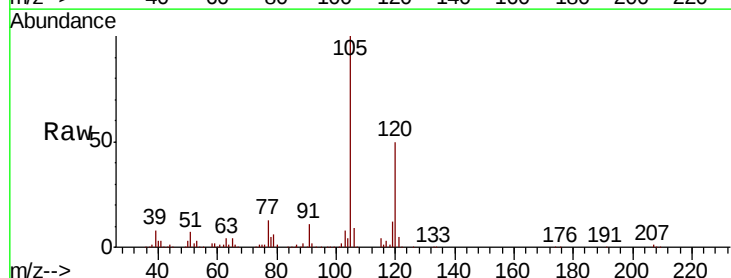
Acq: 11 Feb 2020 11:47

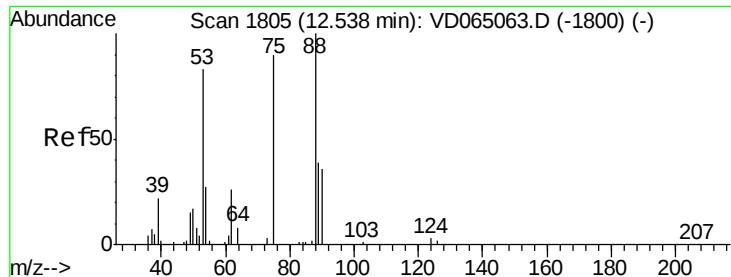
Tgt Ion:105 Resp: 363333

Ion Ratio Lower Upper

105 100

120 50.0 25.1 75.4

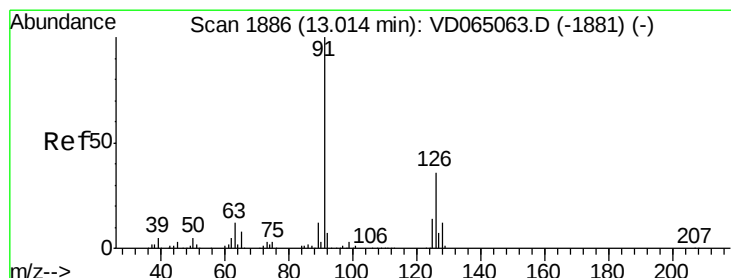
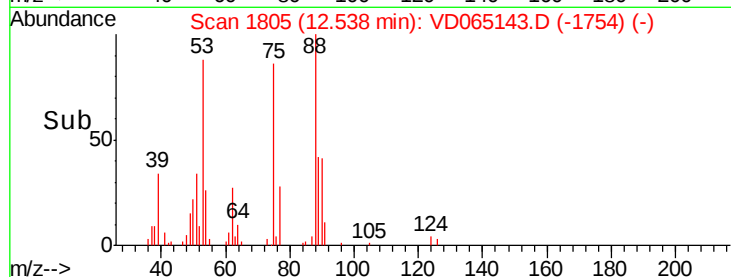
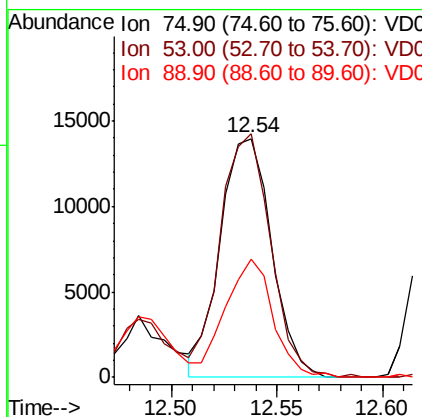
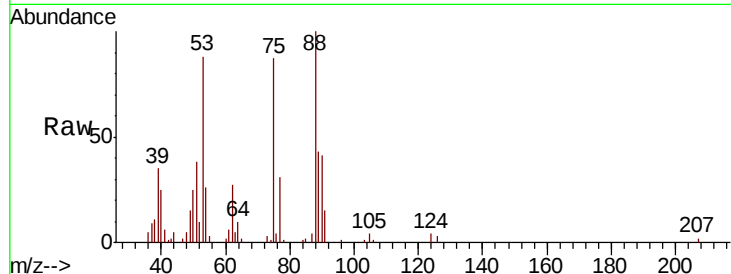




#81
trans-1,4-Dichloro-2-butene
Concen: 20.887 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

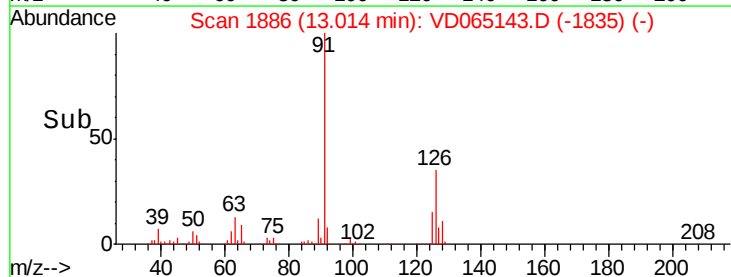
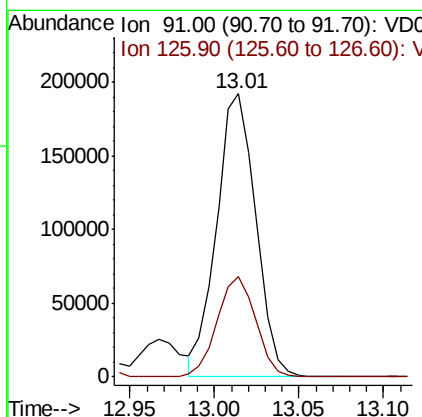
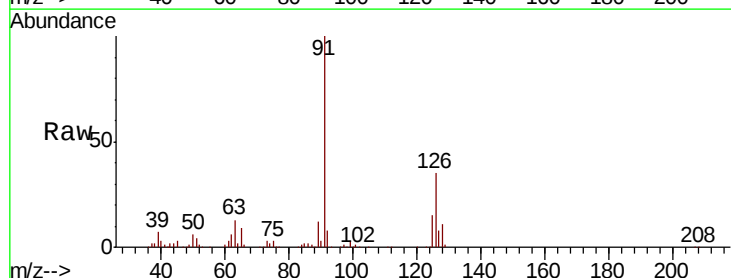
Instrument :
MSVOA_D
ClientSampleId :

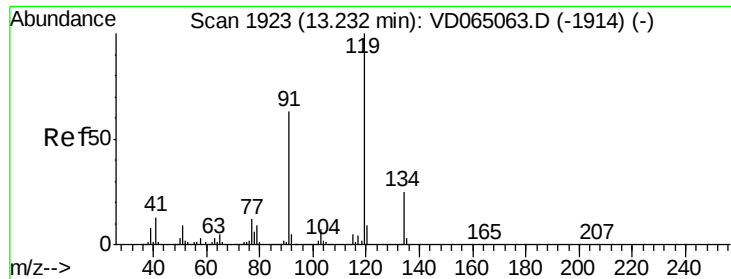
Tot Ion: 75 Resp: 23632
Ion Ratio Lower Upper
75 100
53 99.9 78.5 117.7
89 46.3 37.0 55.4



#82
4-Chlorotoluene
Concen: 22.064 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

Tgt Ion: 91 Resp: 310288
Ion Ratio Lower Upper
91 100
126 34.9 17.5 52.5

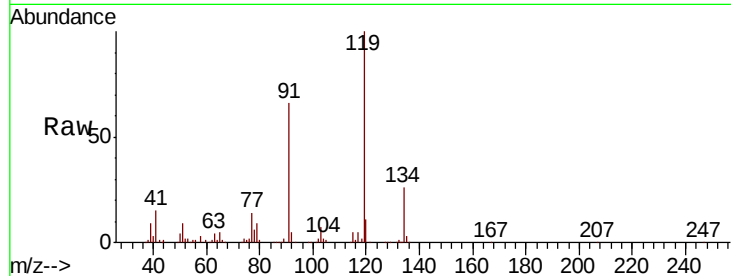




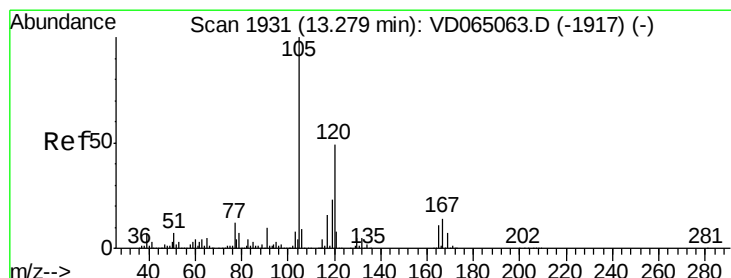
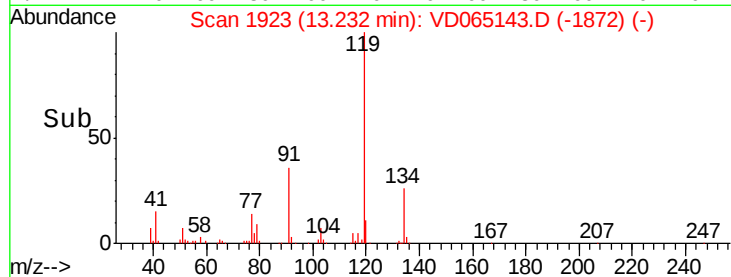
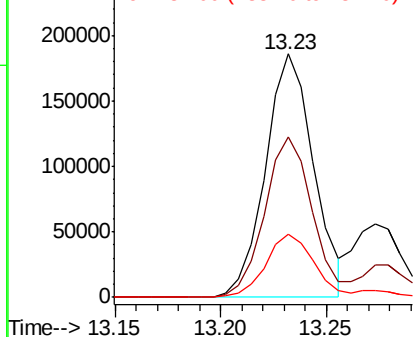
#83
tert-Butylbenzene
Concen: 20.396 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 295297
Ion Ratio Lower Upper
119 100
91 65.8 32.3 96.9
134 25.9 13.8 41.3

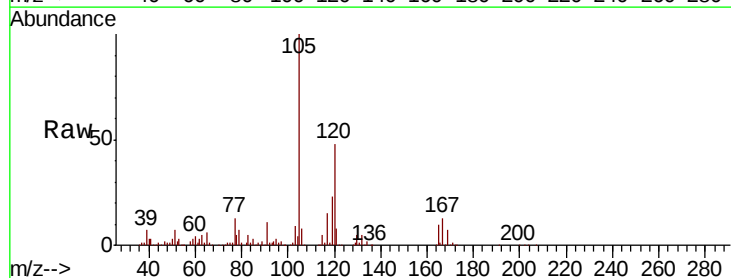


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

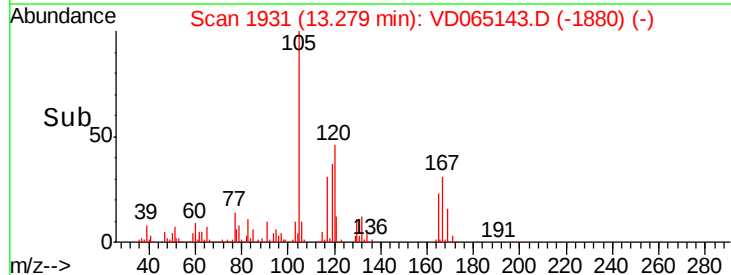
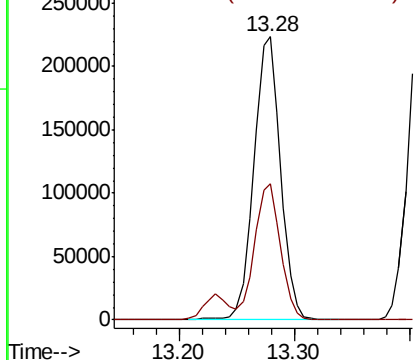


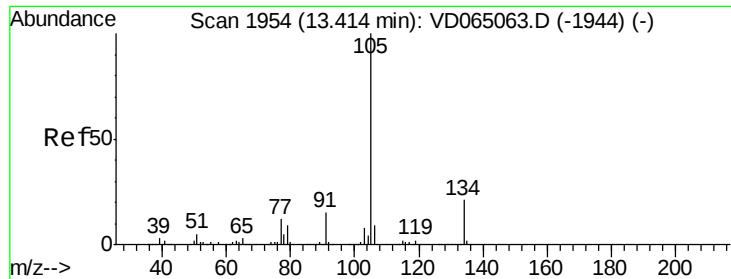
#84
1,2,4-Trimethylbenzene
Concen: 21.559 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

Tgt Ion:105 Resp: 359185
Ion Ratio Lower Upper
105 100
120 46.6 23.5 70.5



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

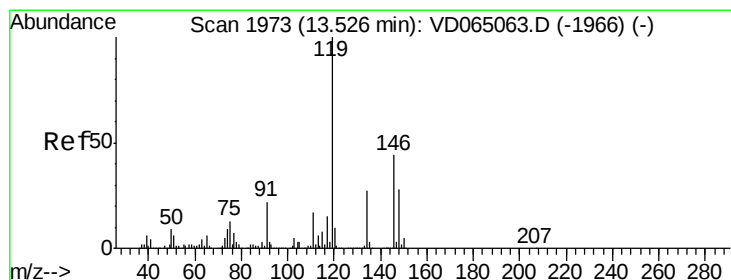
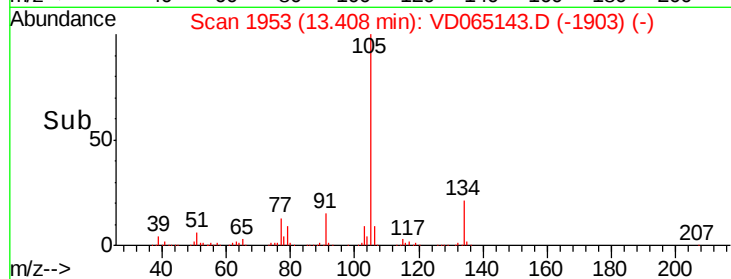
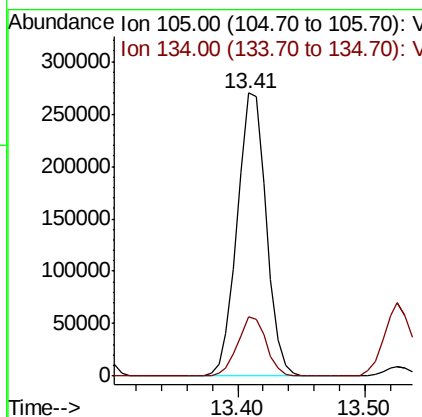
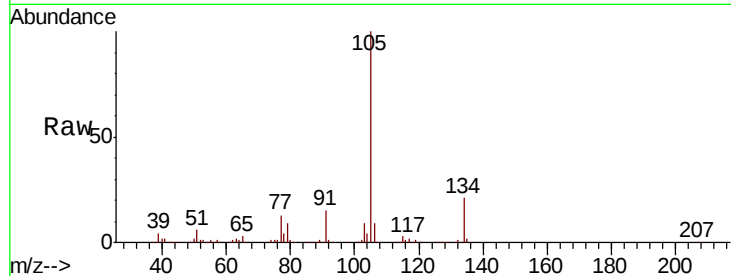




#85
 sec-Butylbenzene
 Concen: 21.643 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: VD065143.D
 Acq: 11 Feb 2020 11:47

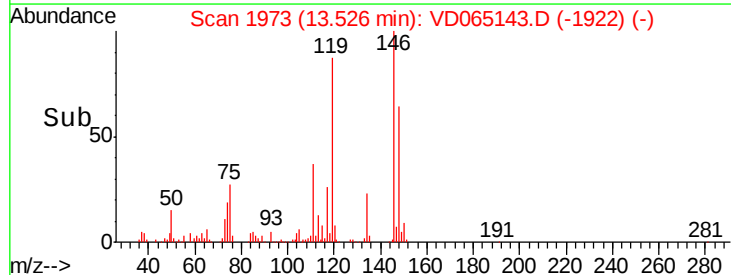
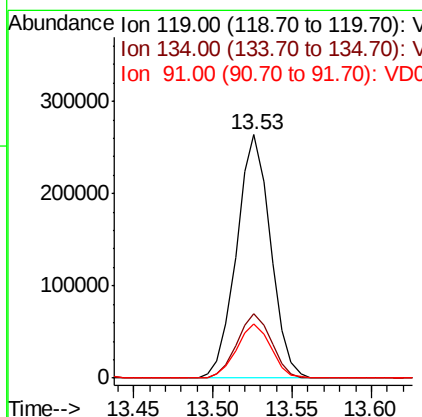
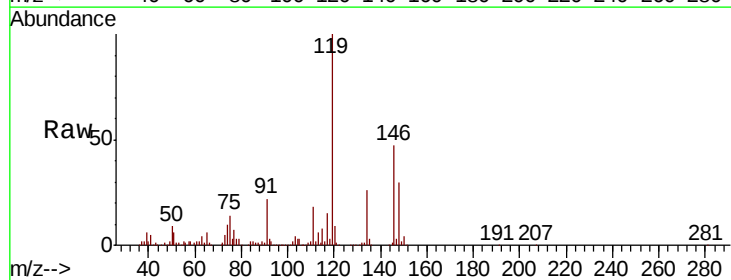
Instrument :
 MSVOA_D
 ClientSampleId :

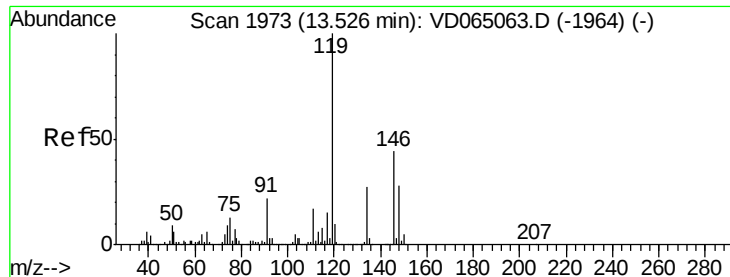
Tot Ion:105 Resp: 427981
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 21.348 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065143.D
 Acq: 11 Feb 2020 11:47

Tgt Ion:119 Resp: 392230
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.5 40.5
 91 22.8 11.3 33.9

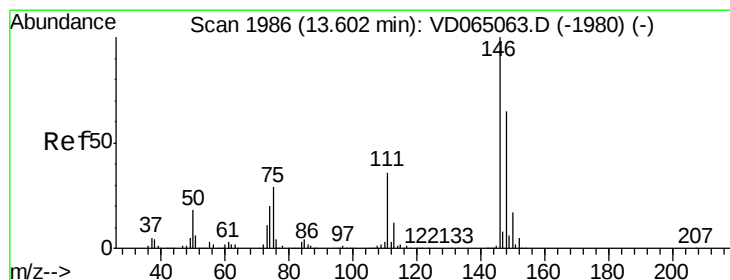
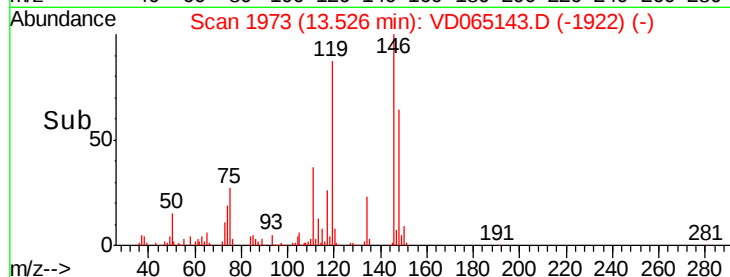
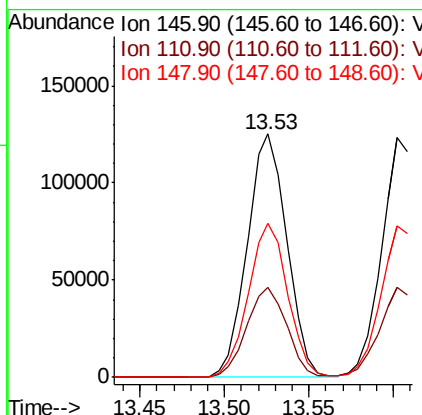
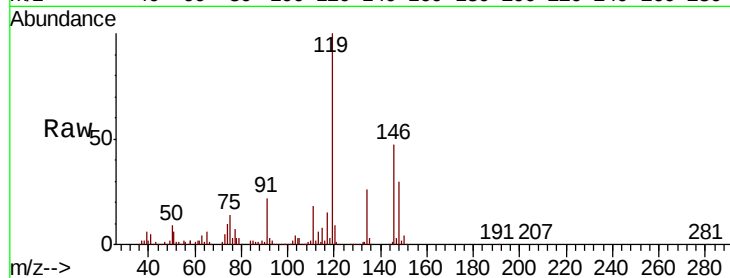




#87
 1,3-Dichlorobenzene
 Concen: 22.080 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065143.D
 Acq: 11 Feb 2020 11:47

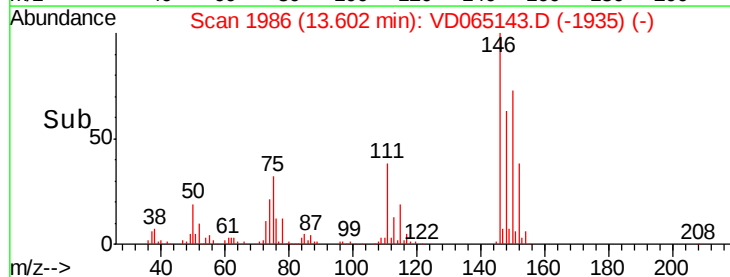
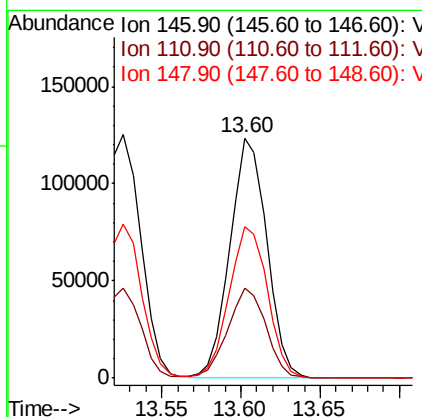
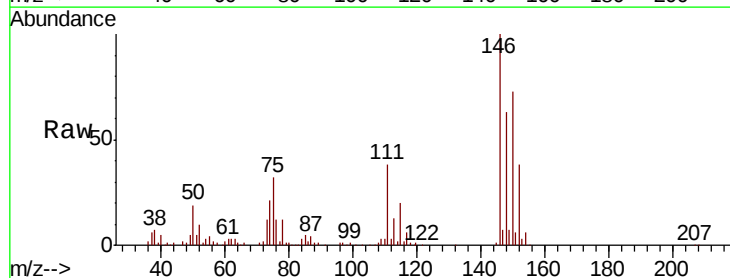
Instrument :
 MSVOA_D
 ClientSampleId :

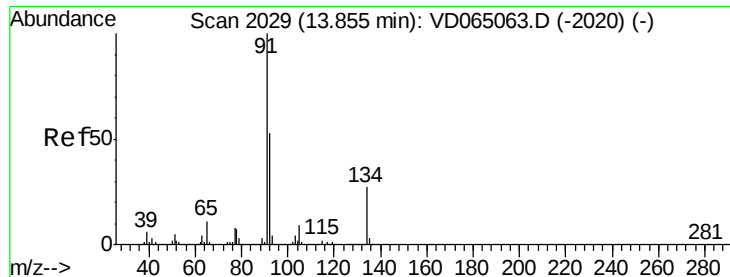
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.4	58.4
148	63.1	32.3	96.8



#88
 1,4-Dichlorobenzene
 Concen: 21.698 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065143.D
 Acq: 11 Feb 2020 11:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.5	55.5
148	65.5	32.7	98.1

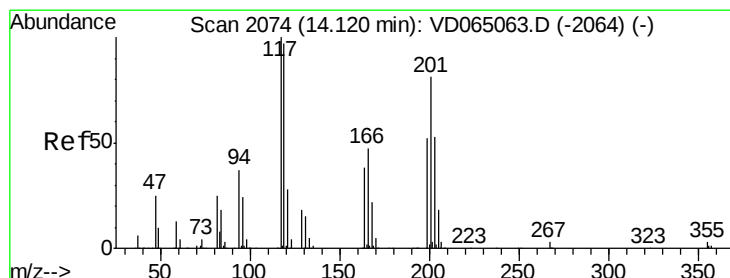
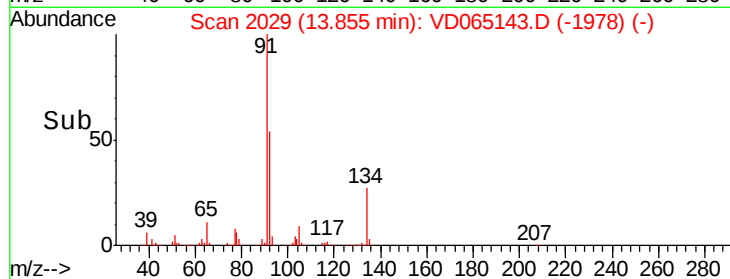
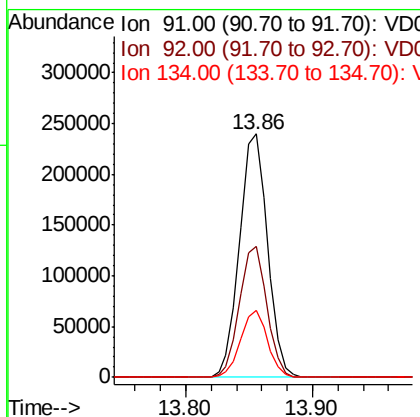
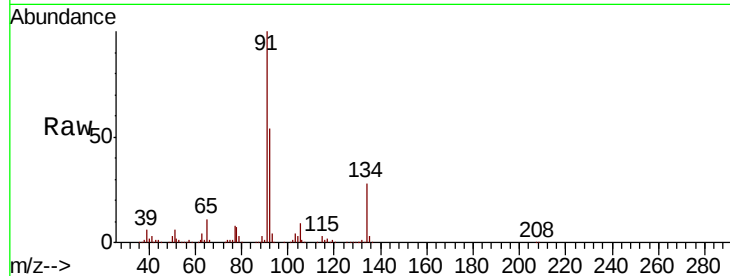




#89
n-Butylbenzene
Concen: 21.627 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

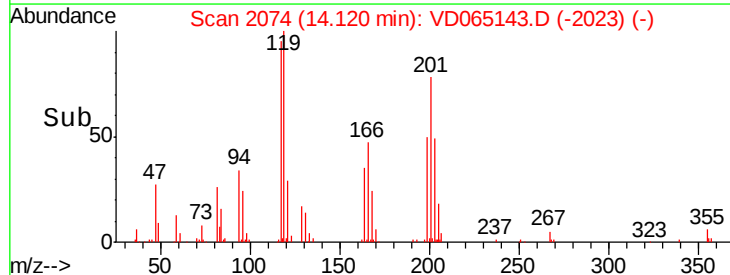
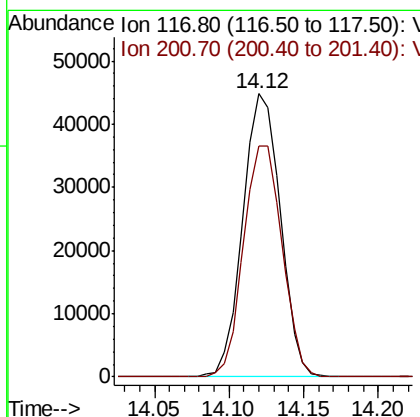
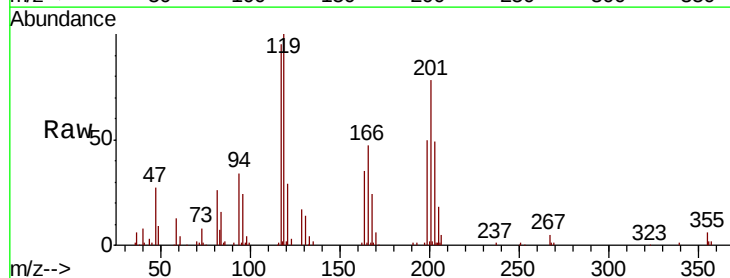
Instrument :
MSVOA_D
ClientSampleId :

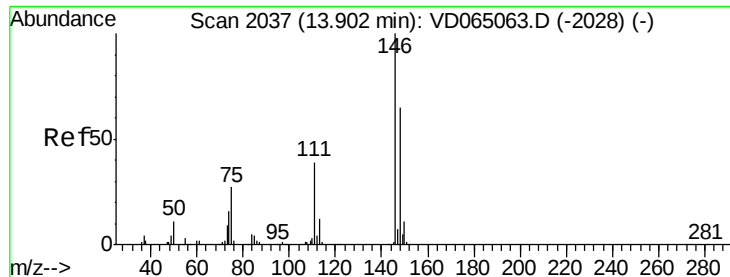
Tot Ion: 91 Resp: 366752
Ion Ratio Lower Upper
91 100
92 52.7 26.7 80.1
134 26.8 13.4 40.2



#90
Hexachloroethane
Concen: 22.469 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

Tgt Ion: 117 Resp: 78170
Ion Ratio Lower Upper
117 100
201 83.7 42.5 127.6

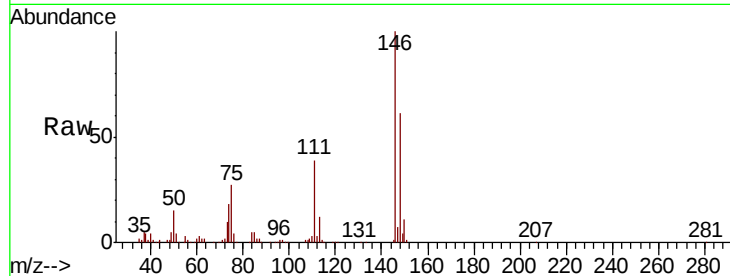




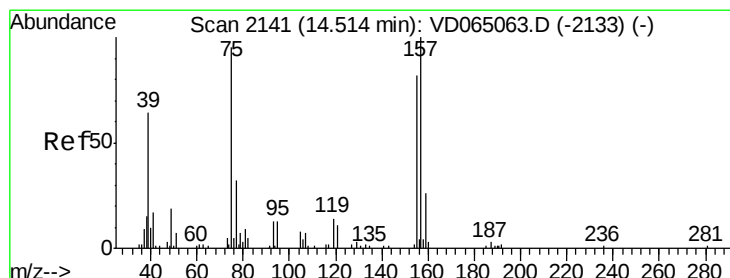
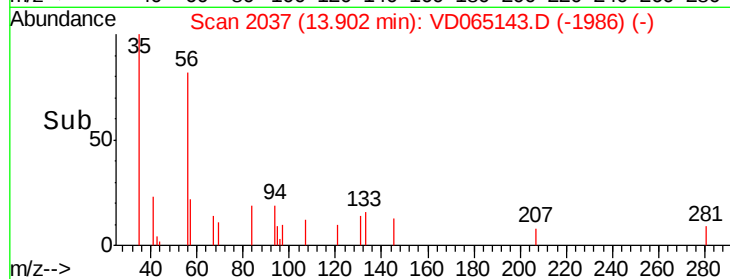
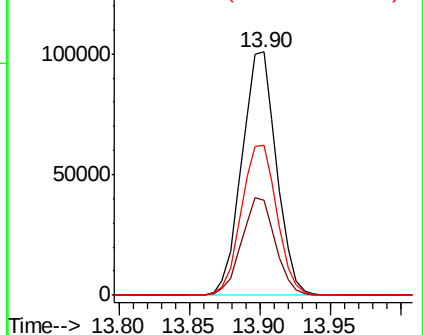
#91
 1,2-Dichlorobenzene
 Concen: 21.812 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065143.D
 Acq: 11 Feb 2020 11:47

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.1
148	63.3	31.9	95.5

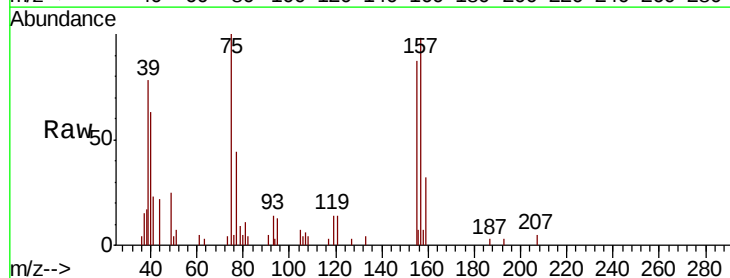


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

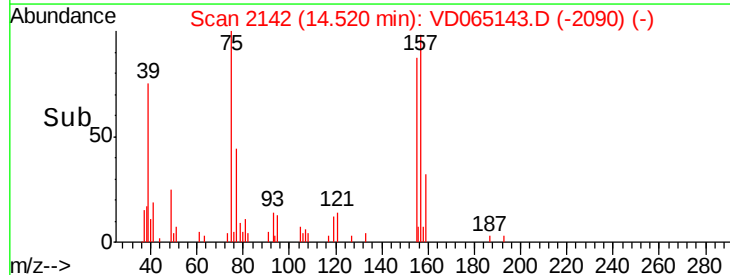
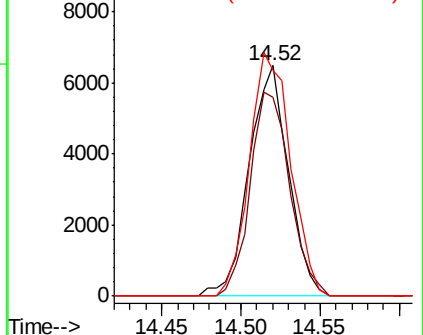


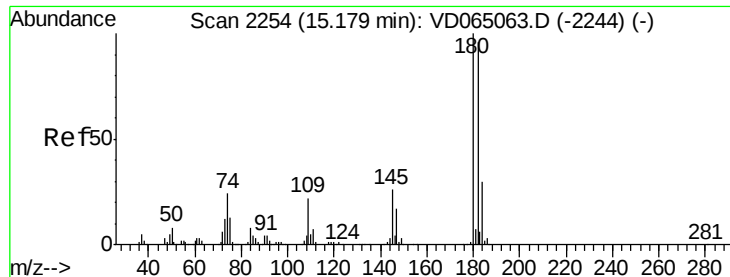
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.282 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065143.D
 Acq: 11 Feb 2020 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.6	43.4	130.1
157	110.3	55.8	167.3



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

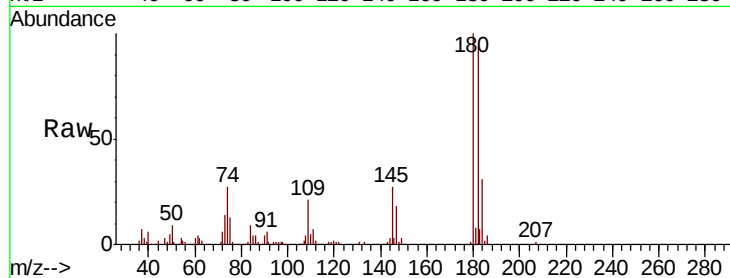




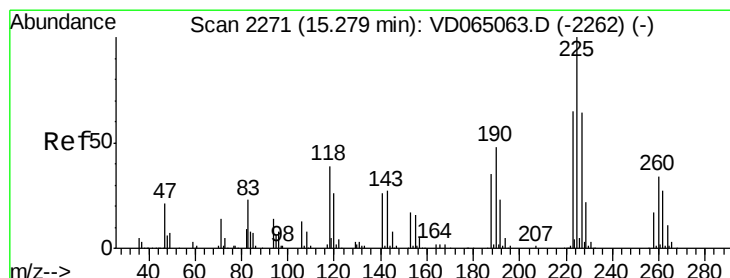
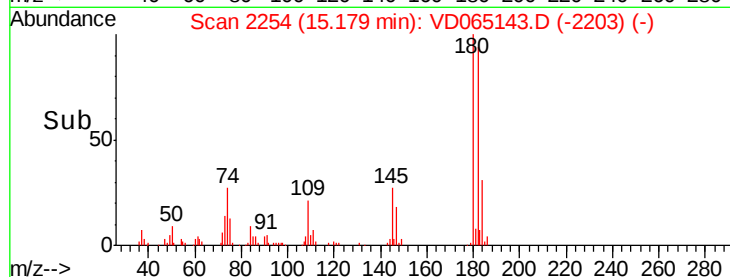
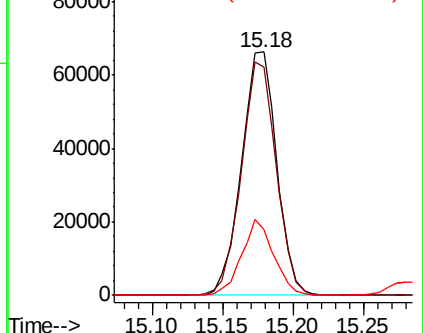
#93
 1,2,4-Trichlorobenzene
 Concen: 20.431 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD065143.D
 Acq: 11 Feb 2020 11:47

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 115739
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.4 142.3
 145 28.5 14.1 42.4

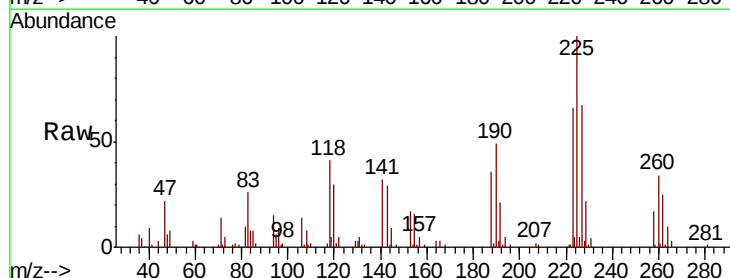


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

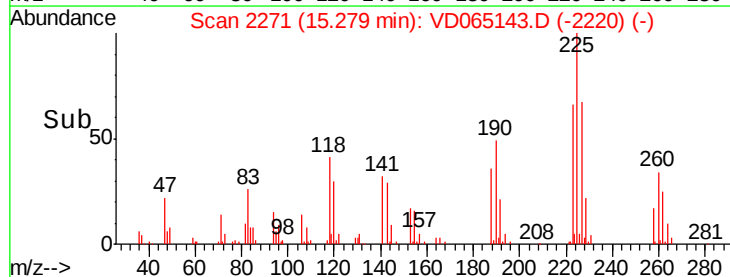
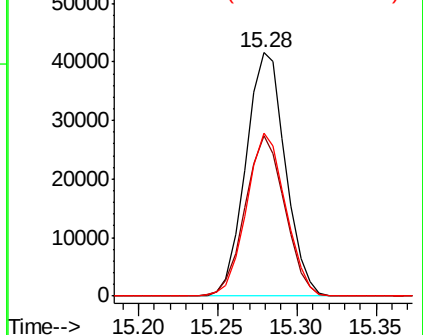


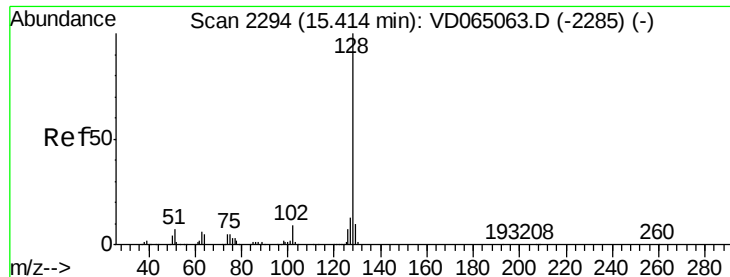
#94
 Hexachlorobutadiene
 Concen: 20.706 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065143.D
 Acq: 11 Feb 2020 11:47

Tgt Ion:225 Resp: 72123
 Ion Ratio Lower Upper
 225 100
 223 65.6 31.4 94.0
 227 66.2 31.8 95.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

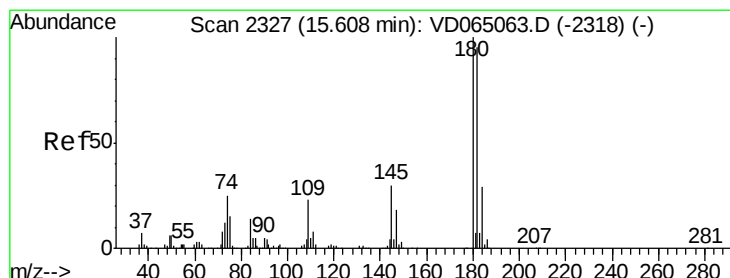
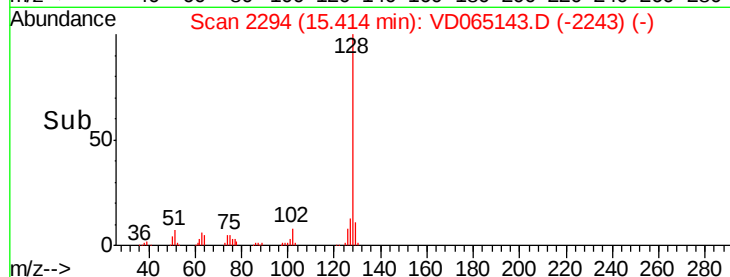
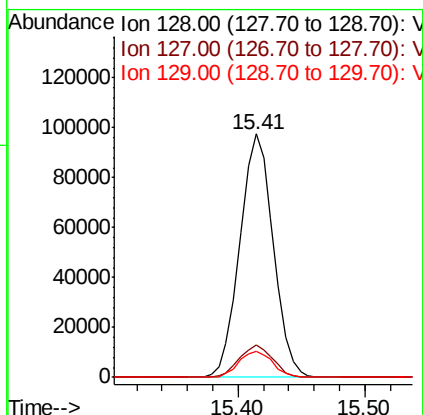
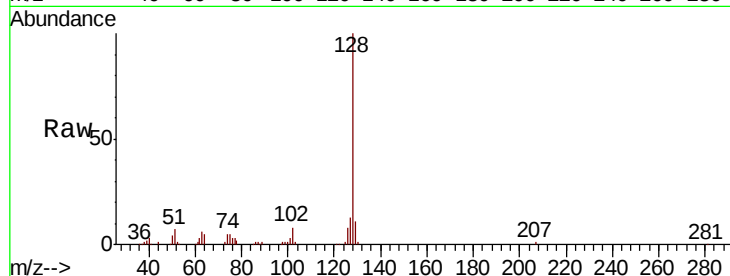




#95
Naphthalene
Concen: 18.899 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 177947
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.267 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065143.D
Acq: 11 Feb 2020 11:47

Tgt Ion:180 Resp: 98207
Ion Ratio Lower Upper
180 100
182 97.0 47.1 141.4
145 30.9 14.9 44.9

