

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021120\
 Data File : VD065141.D
 Acq On : 11 Feb 2020 10:32
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 12 06:55:41 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	469234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	672477	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	607017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	300839	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	222597	55.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.64%	
35) Dibromofluoromethane	7.92	113	226115	60.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.54%	
50) Toluene-d8	10.34	98	897646	60.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.22%	
62) 4-Bromofluorobenzene	12.64	95	276555	58.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	206065	52.772	ug/l	99
3) Chloromethane	2.21	50	253249	55.095	ug/l	96
4) Vinyl Chloride	2.35	62	263571	54.219	ug/l	100
5) Bromomethane	2.77	94	158860	50.400	ug/l	98
6) Chloroethane	2.93	64	163691	54.284	ug/l	98
7) Trichlorofluoromethane	3.27	101	383034	54.143	ug/l	95
8) Diethyl Ether	3.71	74	101743	50.097	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	223963	51.785	ug/l	98
10) Methyl Iodide	4.29	142	243255	49.279	ug/l	97
11) Tert butyl alcohol	5.25	59	57462	235.822	ug/l	99
12) 1,1-Dichloroethene	4.07	96	212982	51.420	ug/l	96
13) Acrolein	3.93	56	61168	204.095	ug/l	96
14) Allyl chloride	4.71	41	354484	51.494	ug/l	98
15) Acrylonitrile	5.43	53	224399	252.730	ug/l	99
16) Acetone	4.16	43	283948	284.776	ug/l	98
17) Carbon Disulfide	4.40	76	697634	52.457	ug/l	99
18) Methyl Acetate	4.73	43	105465	50.626	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	454528	49.624	ug/l	97
20) Methylene Chloride	4.96	84	233916	53.560	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	246321	52.563	ug/l	96
22) Diisopropyl ether	6.37	45	695752	53.582	ug/l	96
23) Vinyl Acetate	6.31	43	1933434	267.143	ug/l	99
24) 1,1-Dichloroethane	6.27	63	421637	53.647	ug/l	99
25) 2-Butanone	7.23	43	323304	271.825	ug/l	100
26) 2,2-Dichloropropane	7.21	77	381348	54.133	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	260124	52.250	ug/l	99
28) Bromochloromethane	7.55	49	165301	55.483	ug/l	99
29) Tetrahydrofuran	7.57	42	187200	260.267	ug/l	98
30) Chloroform	7.71	83	422910	54.041	ug/l	99
31) Cyclohexane	7.98	56	399227	50.321	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	393006	53.912	ug/l	99
36) 1,1-Dichloropropene	8.11	75	343610	54.951	ug/l	99
37) Ethyl Acetate	7.30	43	132732	51.958	ug/l	99
38) Carbon Tetrachloride	8.10	117	352718	55.229	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	413937	53.631	ug/l	97
40) Benzene	8.36	78	971395	56.255	ug/l	99
41) Methacrylonitrile	7.57	41	182973	130.010	ug/l #	19
42) 1,2-Dichloroethane	8.43	62	263985	53.654	ug/l	98
43) Isopropyl Acetate	8.46	43	250271	51.214	ug/l	99
44) Trichloroethene	9.11	130	263109	53.085	ug/l	100
45) 1,2-Dichloropropane	9.39	63	234887	56.735	ug/l	98
46) Dibromomethane	9.48	93	120679	55.471	ug/l	98
47) Bromodichloromethane	9.67	83	321390	56.067	ug/l	97
48) Methyl methacrylate	9.46	41	119334	50.748	ug/l	98
49) 1,4-Dioxane	9.47	88	27831	1080.085	ug/l	98
51) 4-Methyl-2-Pentanone	10.24	43	656646	272.996	ug/l	100
52) Toluene	10.41	92	616560	55.945	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	303282	54.341	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	364625	54.625	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	165565	55.484	ug/l	96
56) Ethyl methacrylate	10.67	69	205512	54.431	ug/l	98
57) 1,3-Dichloropropane	10.96	76	286855	54.668	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	314288	258.263	ug/l	100
59) 2-Hexanone	10.99	43	515482	302.557	ug/l	100
60) Dibromochloromethane	11.14	129	218564	56.548	ug/l	99
61) 1,2-Dibromoethane	11.25	107	158912	54.501	ug/l	99
64) Tetrachloroethene	10.88	164	230771	52.908	ug/l	96
65) Chlorobenzene	11.68	112	633756	53.980	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	237949	54.913	ug/l	99
67) Ethyl Benzene	11.75	91	1164936	54.614	ug/l	98
68) m/p-Xylenes	11.86	106	895385	109.981	ug/l	100
69) o-Xylene	12.19	106	400734	54.660	ug/l	99
70) Styrene	12.20	104	709064	55.648	ug/l	100
71) Bromoform	12.37	173	124932	53.565	ug/l #	99
73) Isopropylbenzene	12.48	105	1089166	52.748	ug/l	100
74) N-amyl acetate	12.30	43	224130	49.939	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	169810	52.253	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	232614	102.128	ug/l #	100
77) Bromobenzene	12.77	156	254704	51.198	ug/l	99
78) n-propylbenzene	12.83	91	1299599	53.744	ug/l	99
79) 2-Chlorotoluene	12.91	91	710928	52.744	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	890062	52.689	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	60066	52.741	ug/l	97
82) 4-Chlorotoluene	13.01	91	747244	52.786	ug/l	99
83) tert-Butylbenzene	13.23	119	747860	51.316	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	887520	52.921	ug/l	100
85) sec-Butylbenzene	13.41	105	1065333	53.521	ug/l	99
86) p-Isopropyltoluene	13.53	119	990648	53.566	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	490442	52.653	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	481833	51.974	ug/l	99
89) n-Butylbenzene	13.85	91	916087	53.667	ug/l	100
90) Hexachloroethane	14.12	117	191057	54.556	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	413123	51.781	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26159	49.310	ug/l	99

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

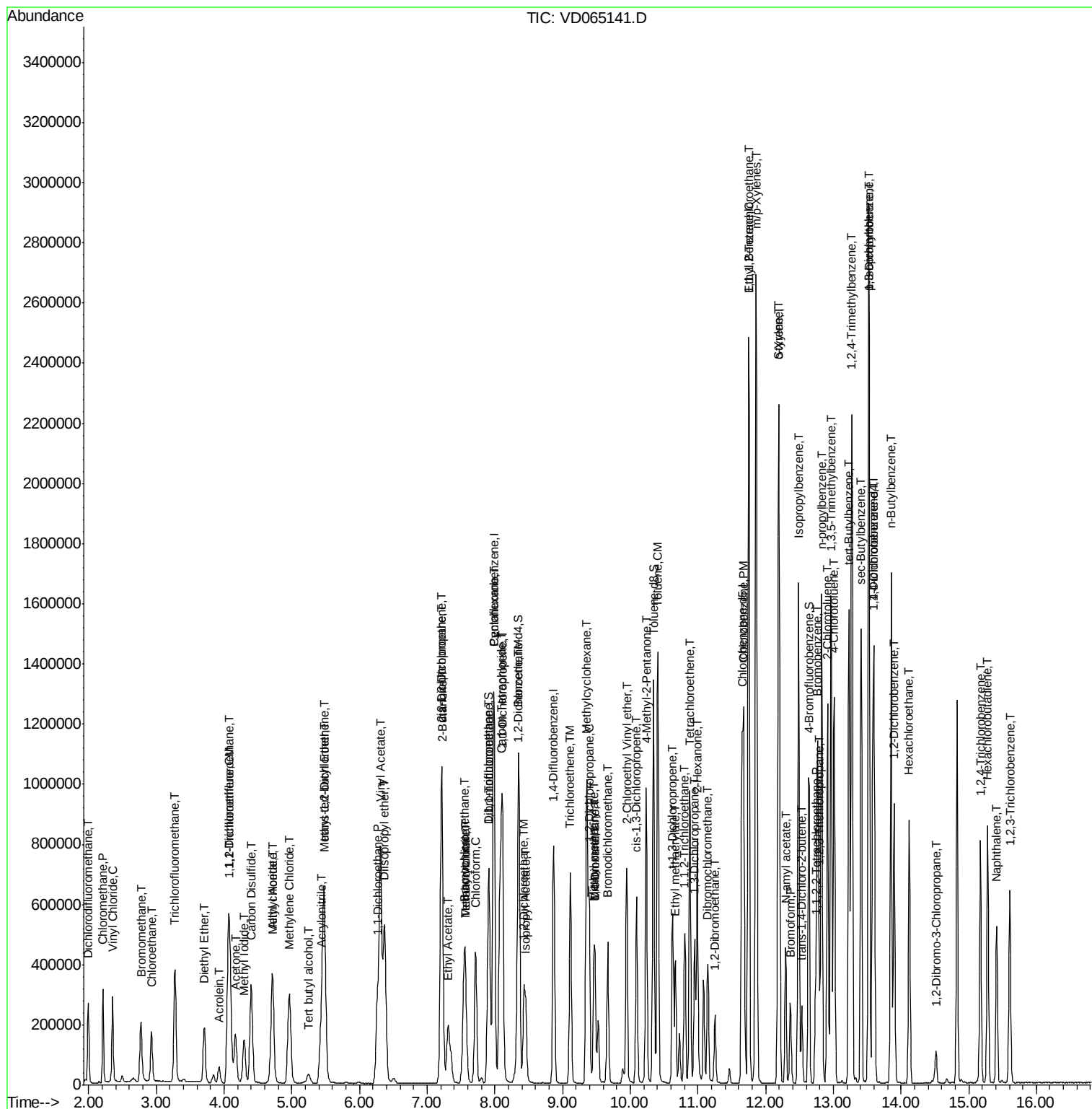
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	280273	49.151	ug/l	99
94) Hexachlorobutadiene	15.28	225	174757	49.842	ug/l	100
95) Naphthalene	15.41	128	453083	47.805	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	239271	49.055	ug/l	100

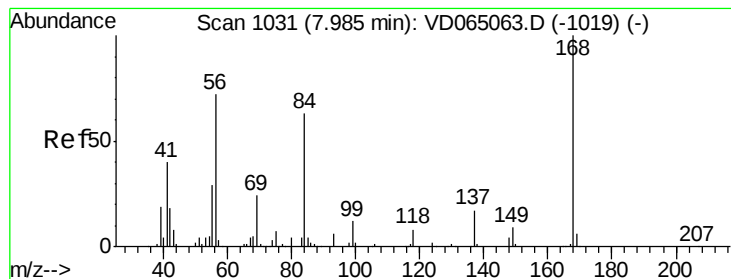
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

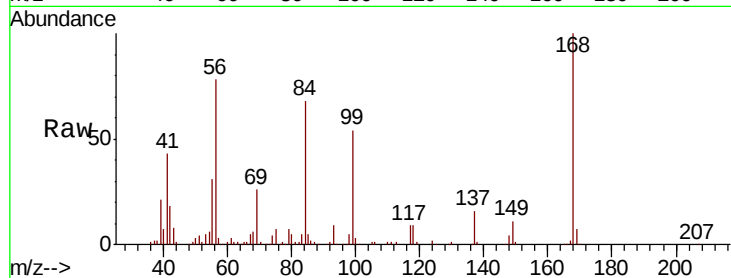
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 469234

Ion Ratio Lower Upper

168 100

99 53.4 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

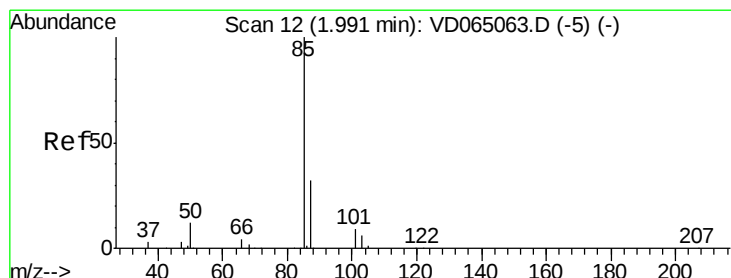
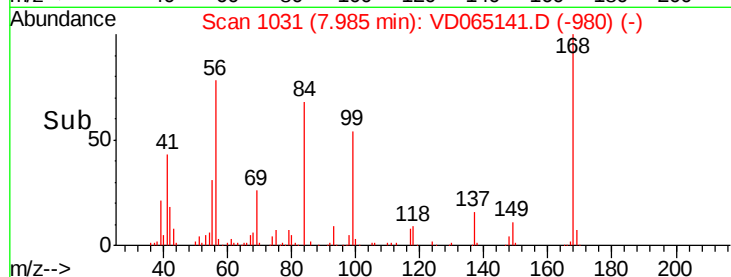
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 52.772 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065141.D

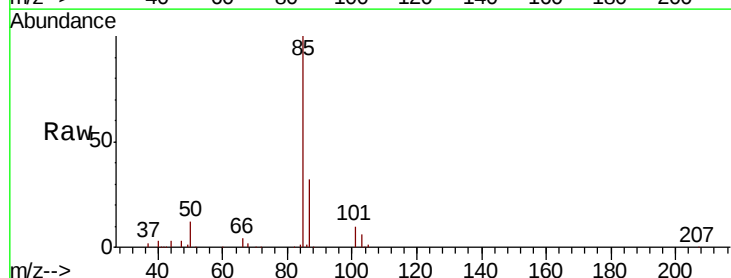
Acq: 11 Feb 2020 10:32

Tgt Ion: 85 Resp: 206065

Ion Ratio Lower Upper

85 100

87 32.2 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

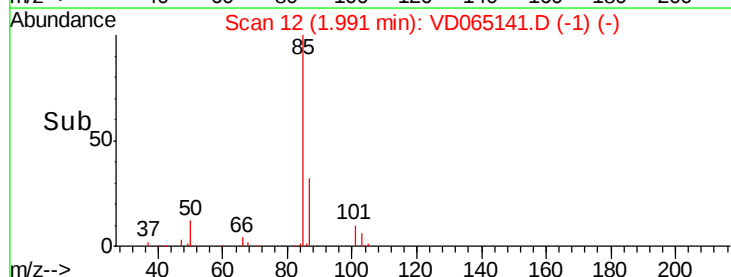
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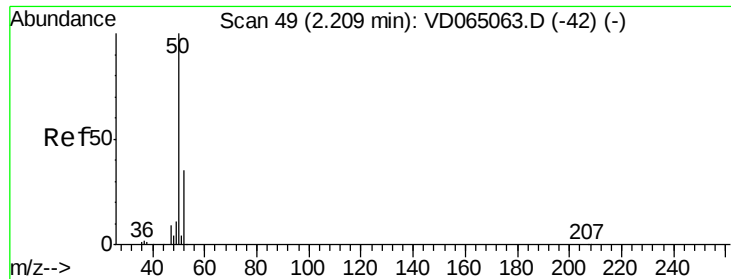
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 55.095 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

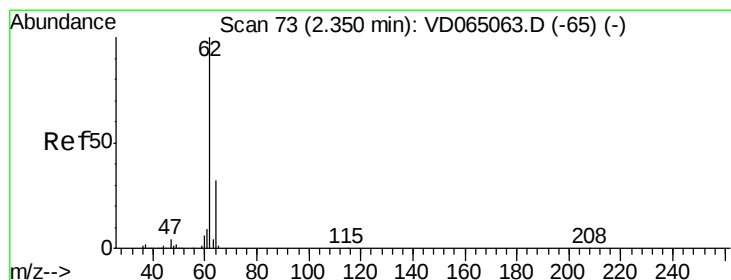
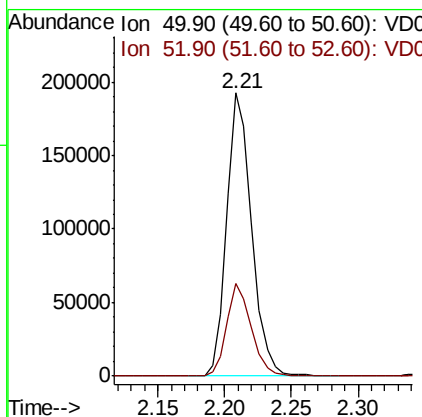
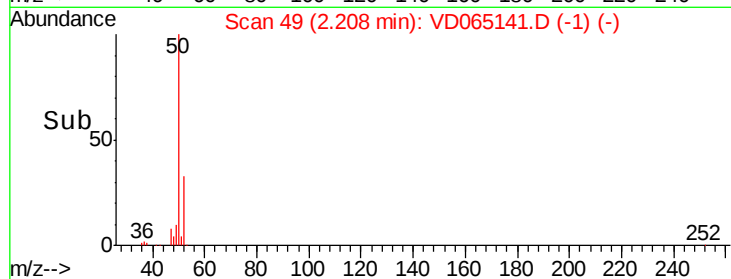
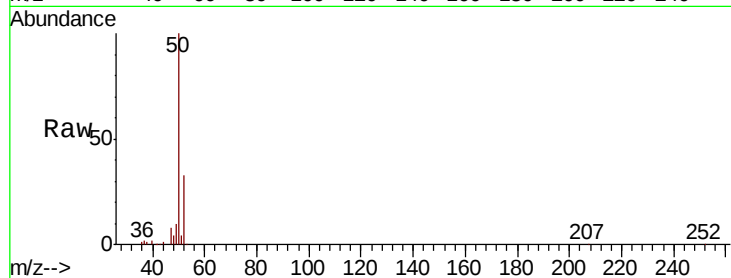
ClientSampleId :

Tot Ion: 50 Resp: 253249

Ion Ratio Lower Upper

50 100

52 32.6 27.8 41.6



#4

Vinyl Chloride

Concen: 54.219 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065141.D

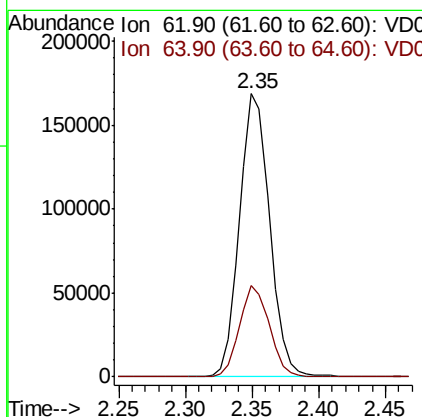
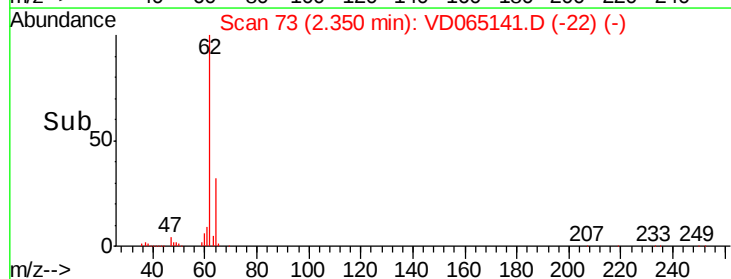
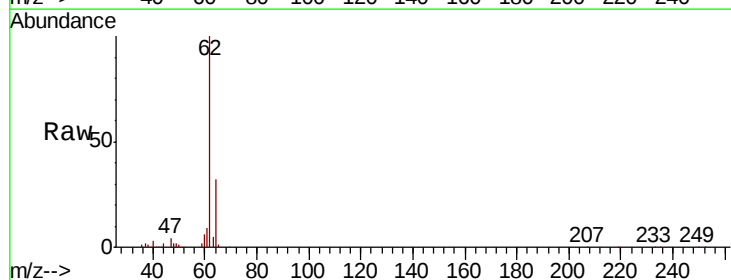
Acq: 11 Feb 2020 10:32

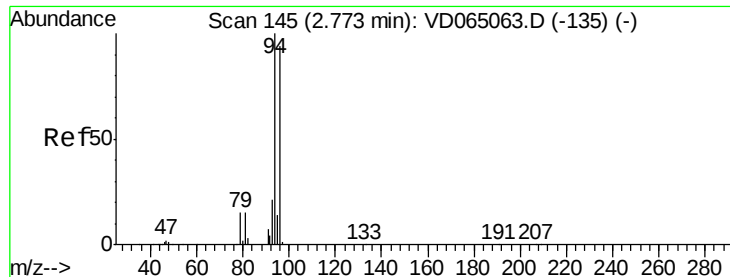
Tgt Ion: 62 Resp: 263571

Ion Ratio Lower Upper

62 100

64 32.3 25.9 38.9





#5

Bromomethane

Concen: 50.400 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

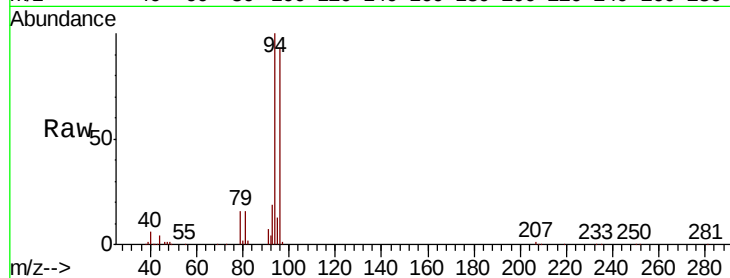
ClientSampleId :

Tot Ion: 94 Resp: 158860

Ion Ratio Lower Upper

94 100

96 92.7 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

80000

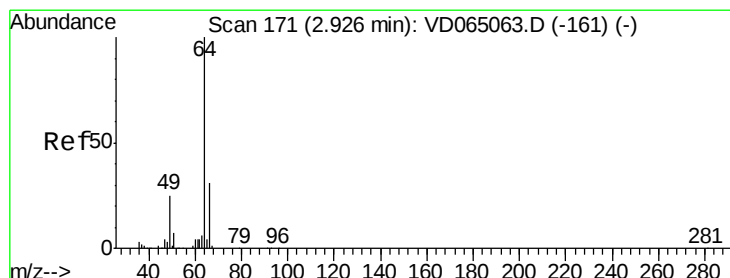
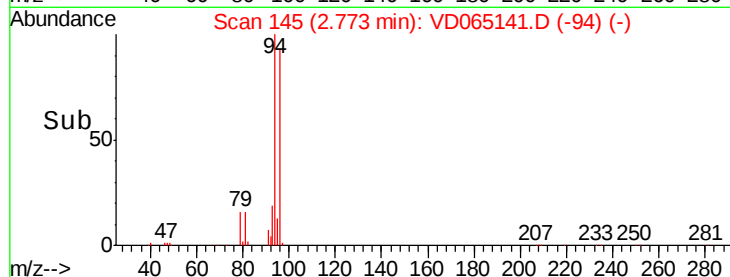
60000

40000

20000

0

Time--> 2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 54.284 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065141.D

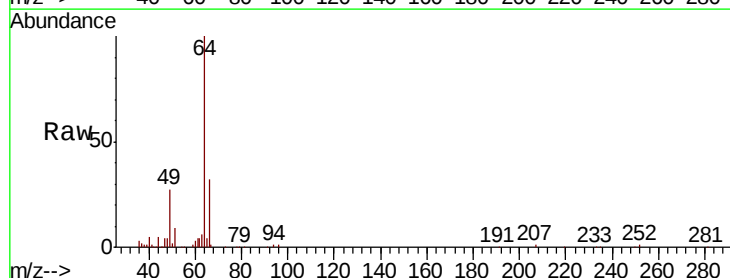
Acq: 11 Feb 2020 10:32

Tgt Ion: 64 Resp: 163691

Ion Ratio Lower Upper

64 100

66 32.2 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

80000

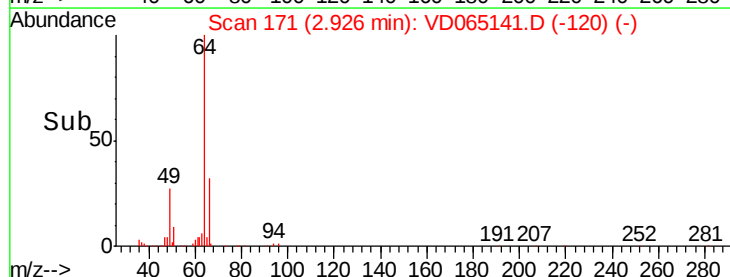
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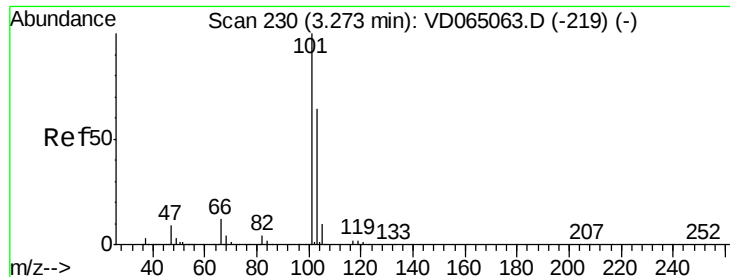
40000

20000

0

Time--> 2.80 2.90 3.00



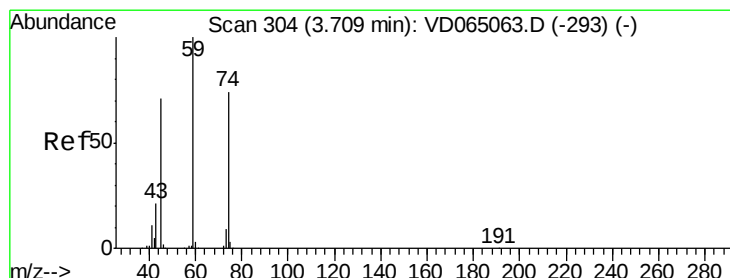
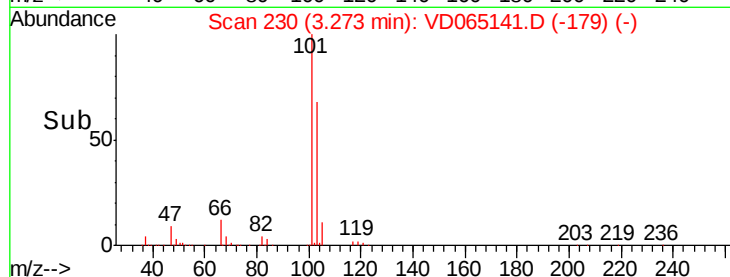
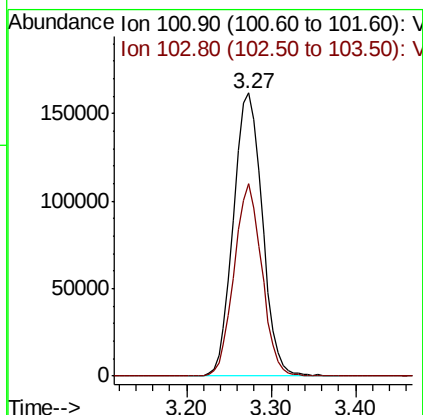
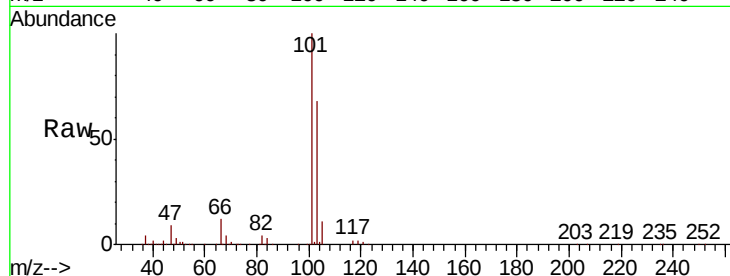


#7

Trichlorofluoromethane
 Concen: 54.143 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Instrument :
 MSVOA_D
 ClientSampleId :

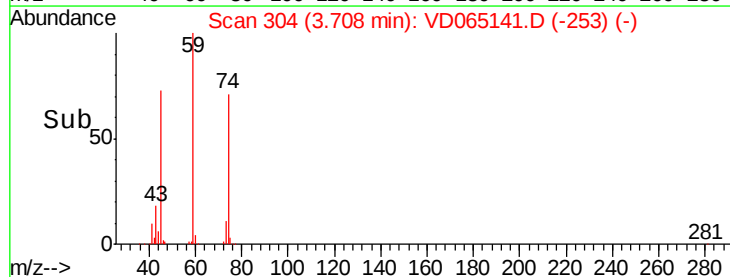
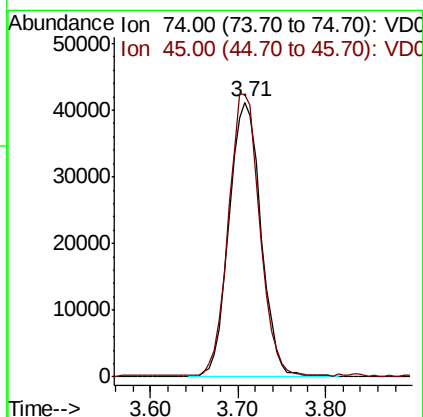
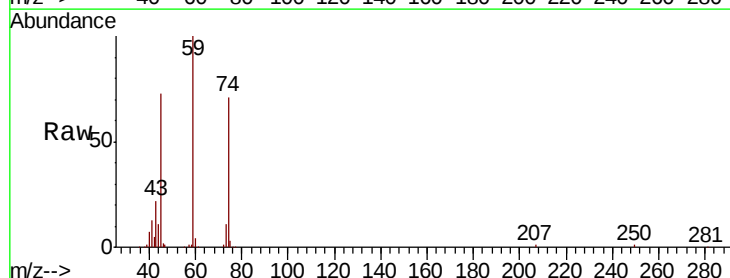
Tot Ion:101 Resp: 383034
 Ion Ratio Lower Upper
 101 100
 103 67.9 51.0 76.6

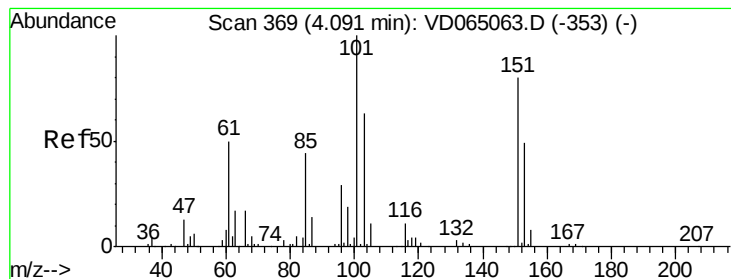


#8

Diethyl Ether
 Concen: 50.097 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Tgt Ion: 74 Resp: 101743
 Ion Ratio Lower Upper
 74 100
 45 100.0 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.785 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

ClientSampleId :

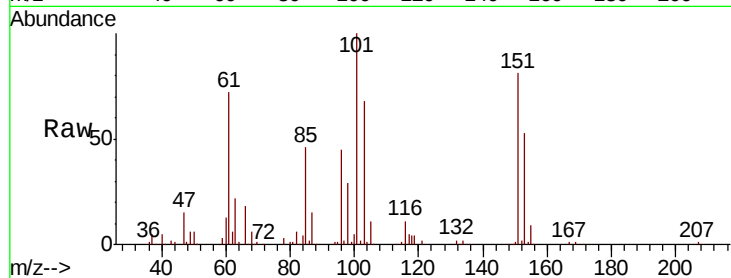
Tot Ion:101 Resp: 223963

Ion Ratio Lower Upper

101 100

85 44.1 34.0 51.0

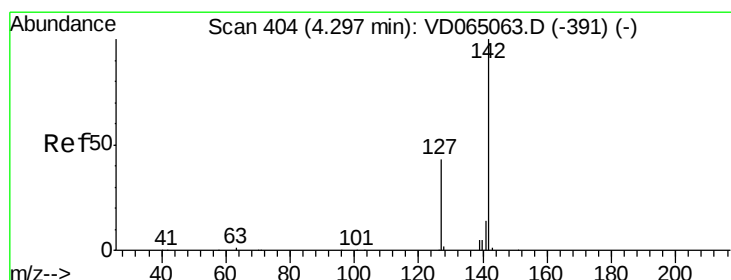
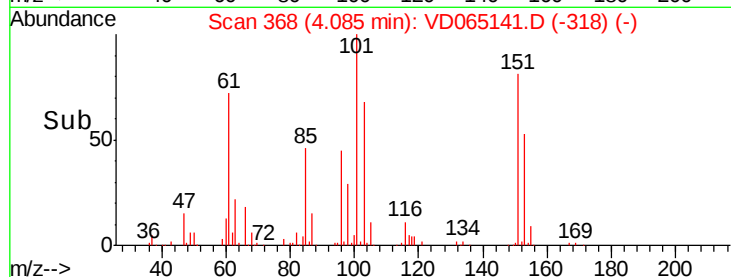
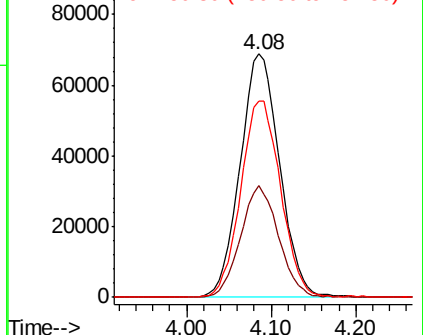
151 81.4 64.0 96.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.279 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

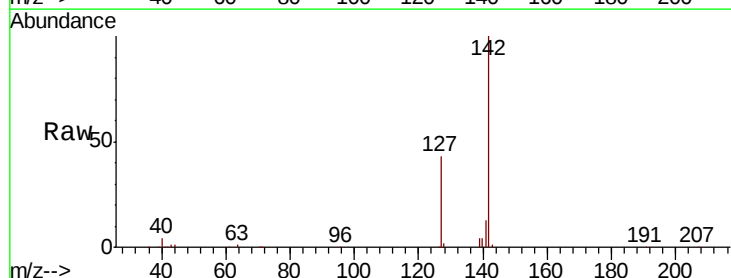
Tgt Ion:142 Resp: 243255

Ion Ratio Lower Upper

142 100

127 44.7 34.0 51.0

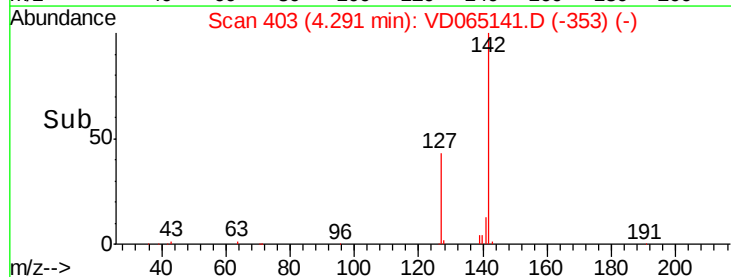
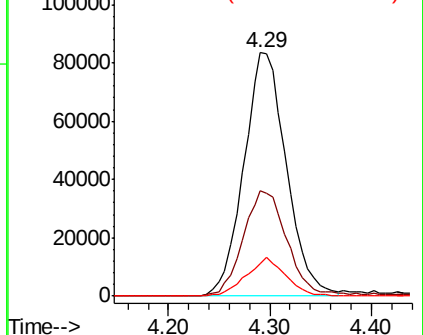
141 14.6 11.6 17.4

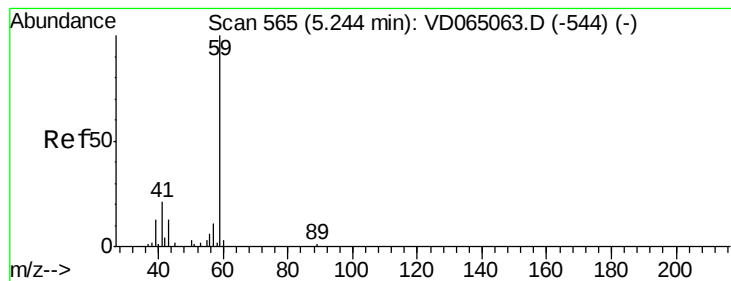


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



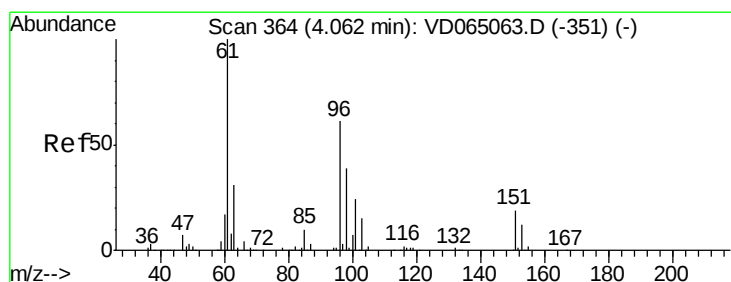
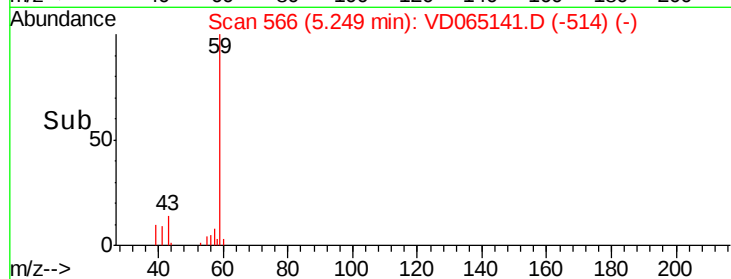
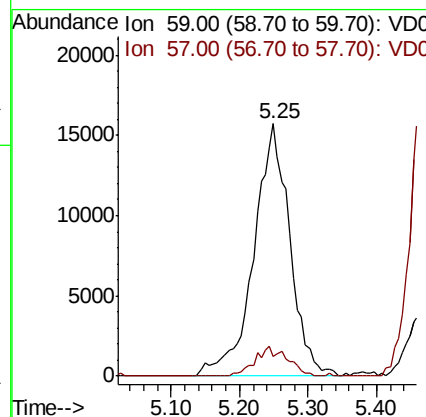
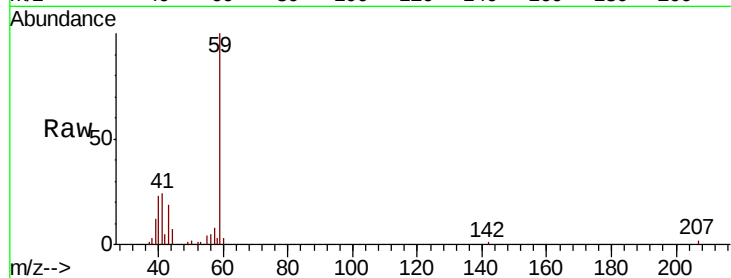


#11

Tert butyl alcohol
 Concen: 235.822 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Instrument :
 MSVOA_D
 ClientSampleId :

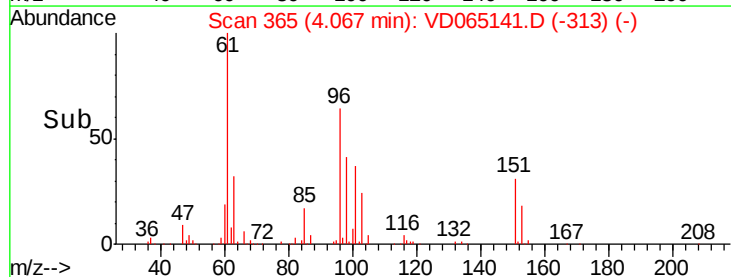
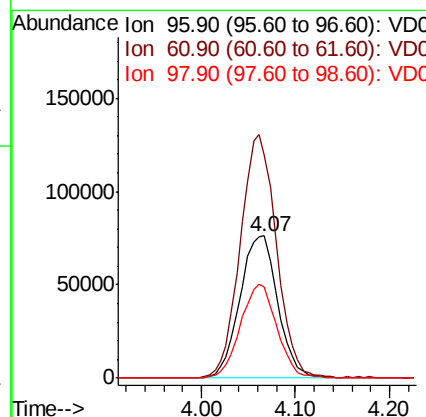
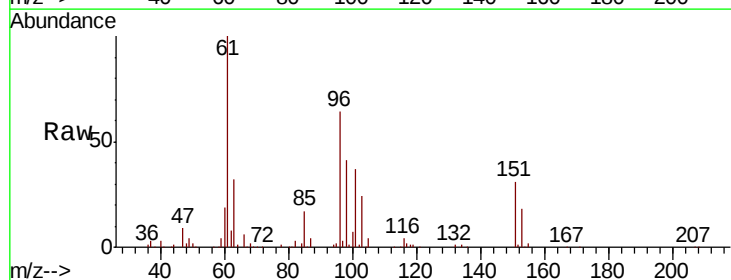
Tot Ion: 59 Resp: 57462
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.8 13.2



#12

1,1-Dichloroethene
 Concen: 51.420 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Tgt Ion: 96 Resp: 212982
 Ion Ratio Lower Upper
 96 100
 61 156.6 131.4 197.2
 98 63.9 51.1 76.7





#13

Acrolein

Concen: 204.095 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

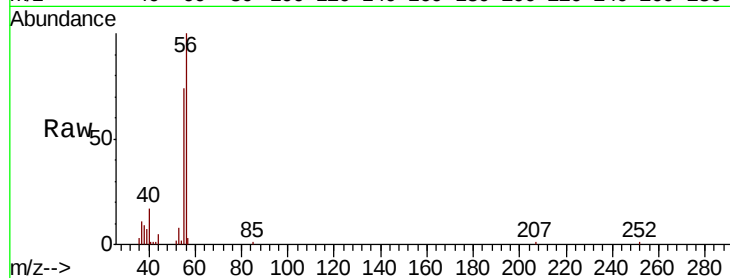
ClientSampled :

Tot Ion: 56 Resp: 61168

Ion Ratio Lower Upper

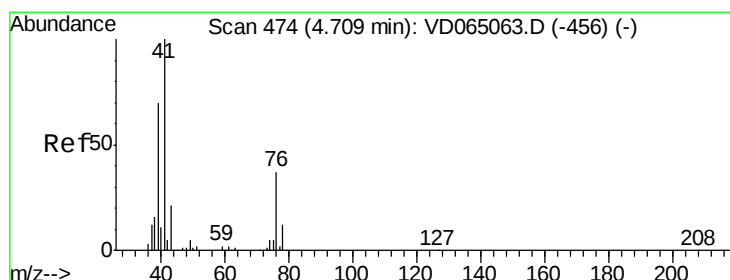
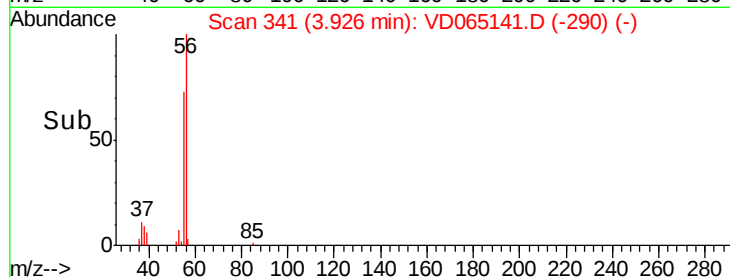
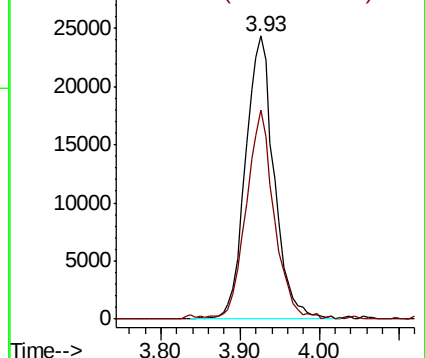
56 100

55 69.7 58.2 87.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.494 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

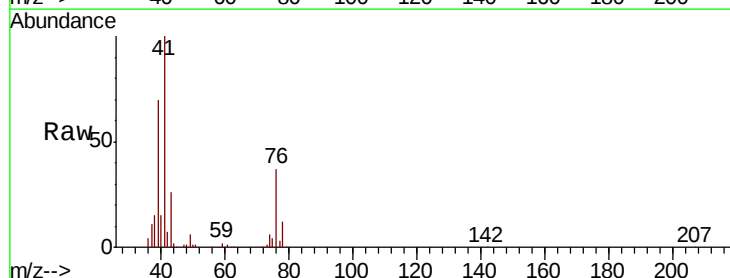
Tgt Ion: 41 Resp: 354484

Ion Ratio Lower Upper

41 100

39 68.6 57.1 85.7

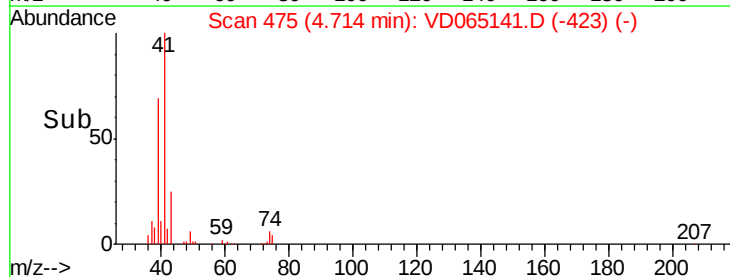
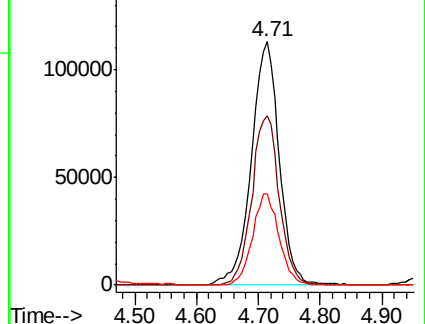
76 34.8 28.0 42.0

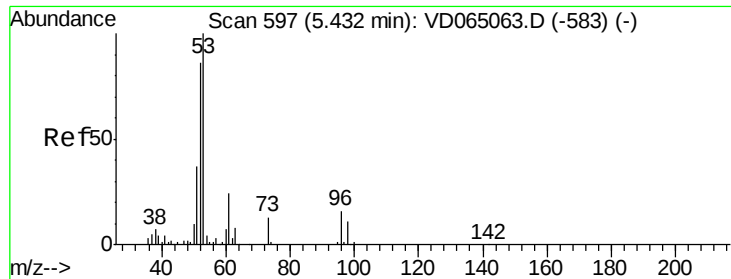


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 252.730 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

ClientSampleId :

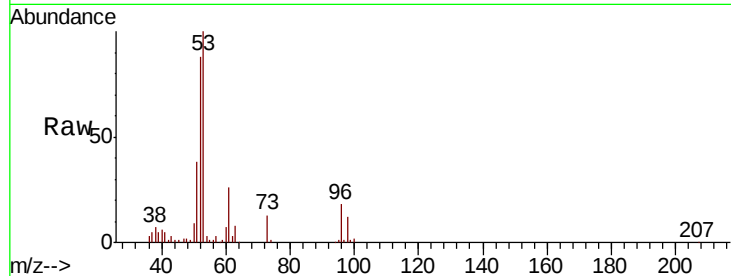
Tot Ion: 53 Resp: 224399

Ion Ratio Lower Upper

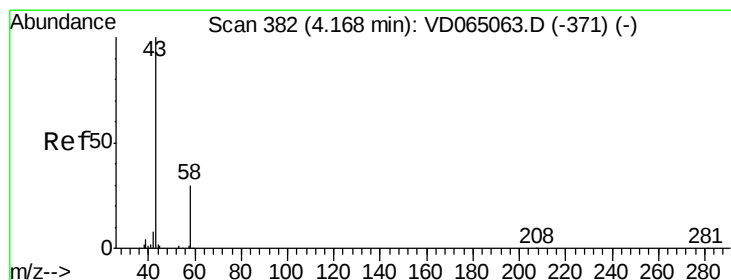
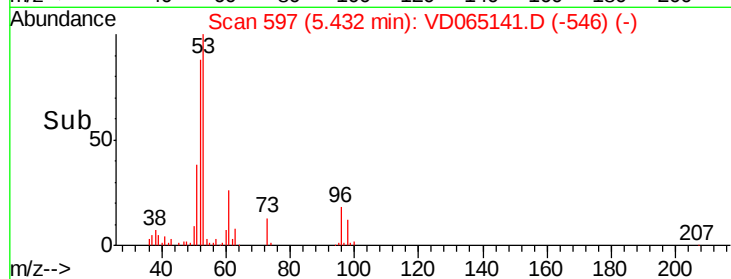
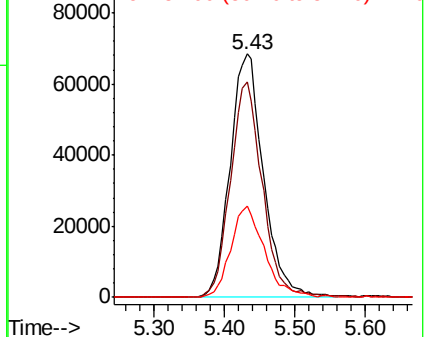
53 100

52 84.2 66.2 99.2

51 38.0 30.4 45.6



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



#16

Acetone

Concen: 284.776 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065141.D

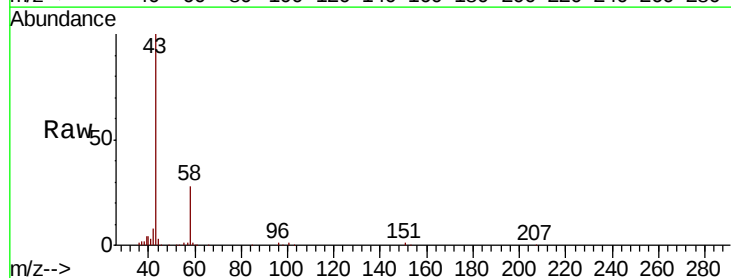
Acq: 11 Feb 2020 10:32

Tgt Ion: 43 Resp: 283948

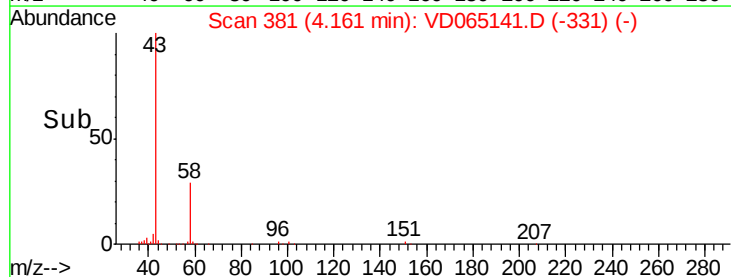
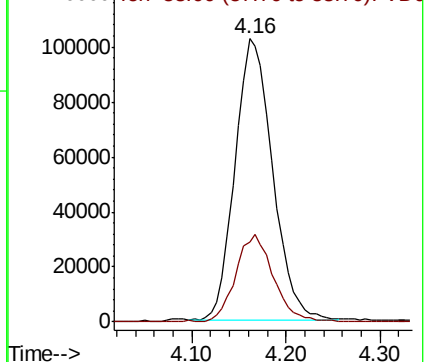
Ion Ratio Lower Upper

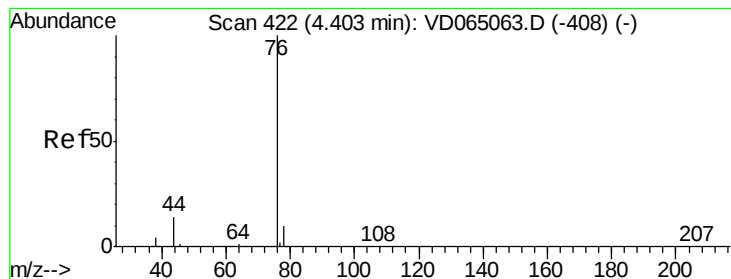
43 100

58 28.2 23.5 35.3



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





#17

Carbon Disulfide

Concen: 52.457 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

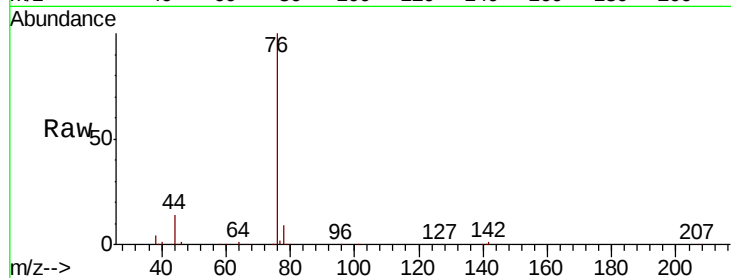
ClientSampled :

Tot Ion: 76 Resp: 697634

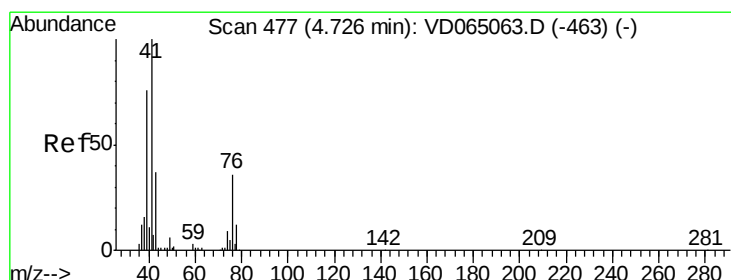
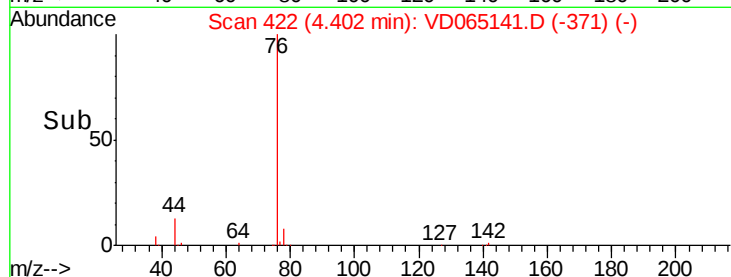
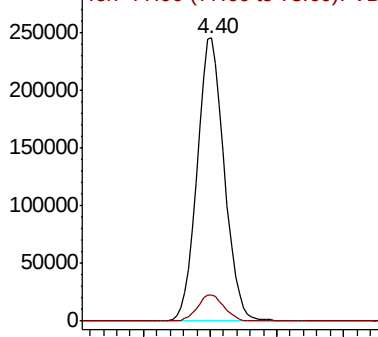
Ion Ratio Lower Upper

76 100

78 9.2 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: 50.626 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD065141.D

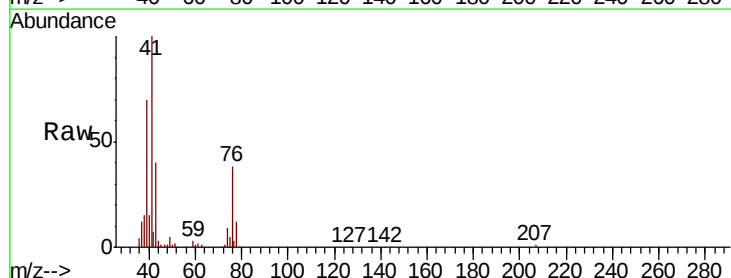
Acq: 11 Feb 2020 10:32

Tgt Ion: 43 Resp: 105465

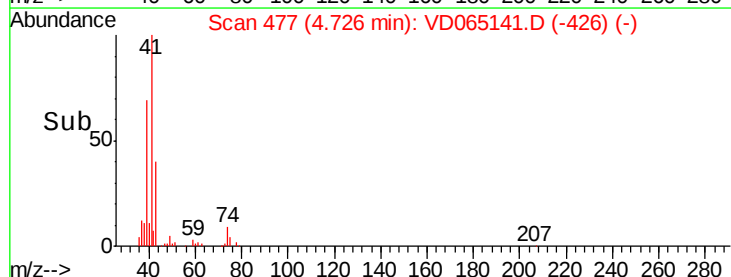
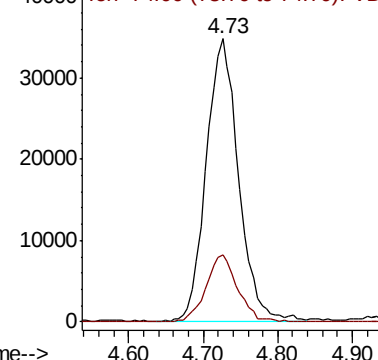
Ion Ratio Lower Upper

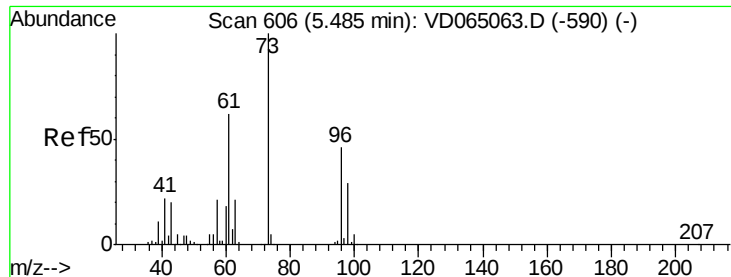
43 100

74 22.9 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC

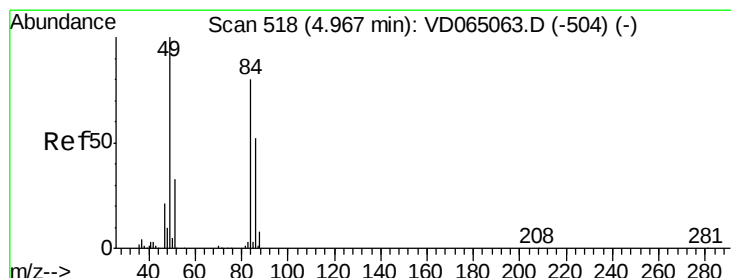
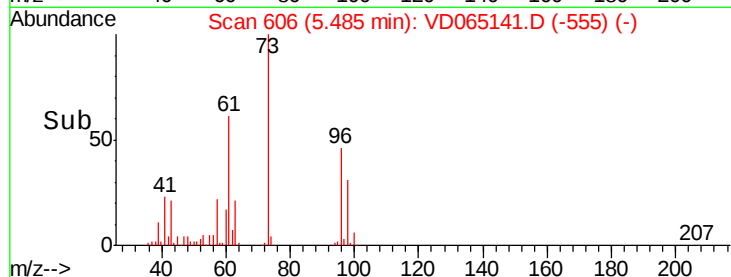
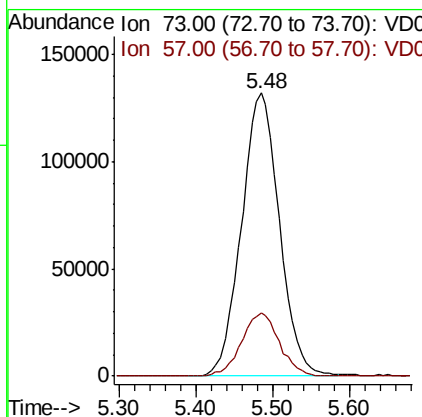
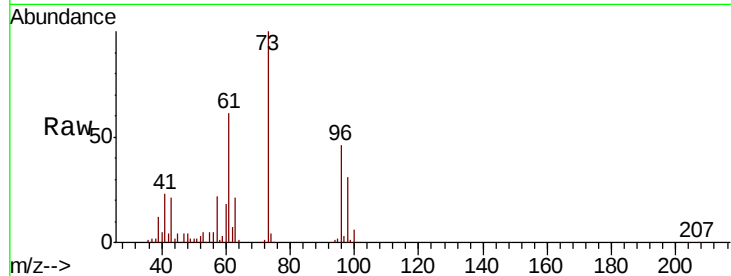




#19
Methyl tert-butyl Ether
Concen: 49.624 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

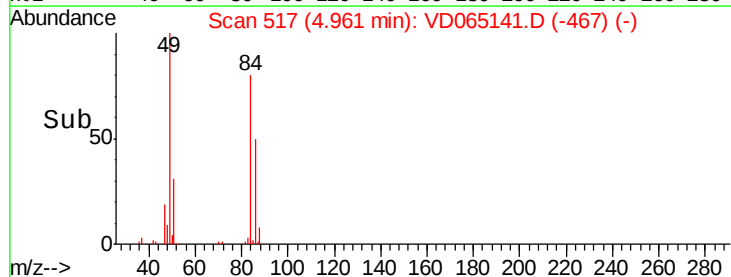
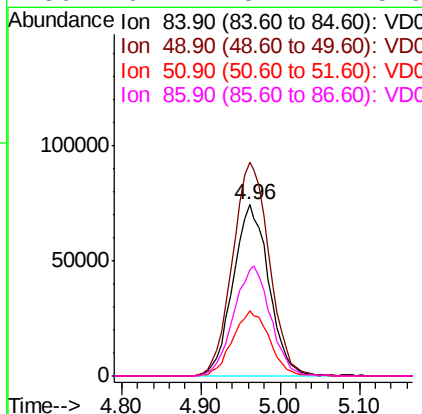
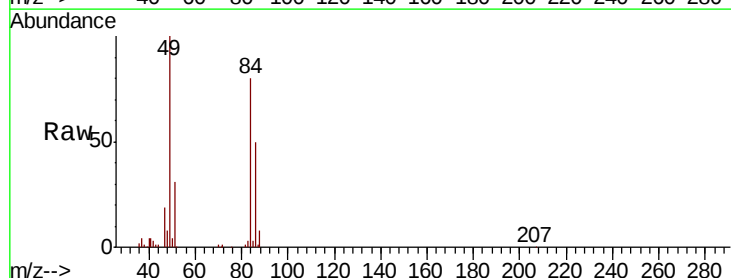
Instrument :
MSVOA_D
ClientSampleId :

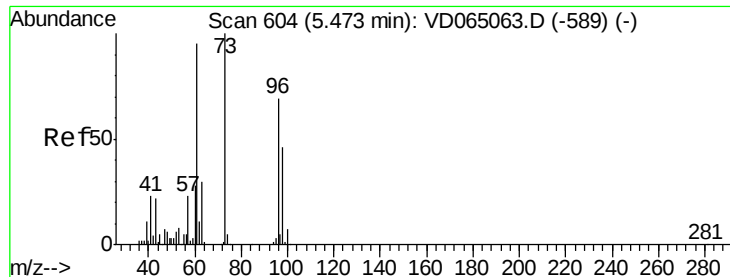
Tot Ion: 73 Resp: 454528
Ion Ratio Lower Upper
73 100
57 22.3 16.8 25.2



#20
Methylene Chloride
Concen: 53.560 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion: 84 Resp: 233916
Ion Ratio Lower Upper
84 100
49 124.9 100.4 150.6
51 38.3 32.7 49.1
86 62.2 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 52.563 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

ClientSampleId :

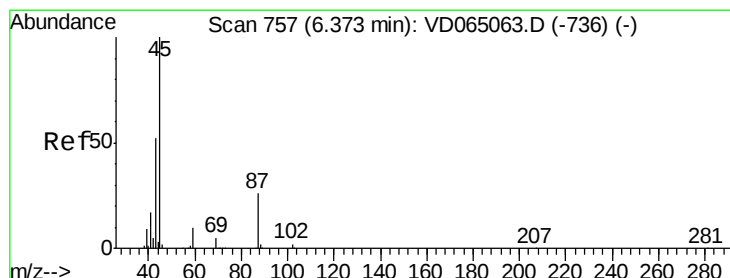
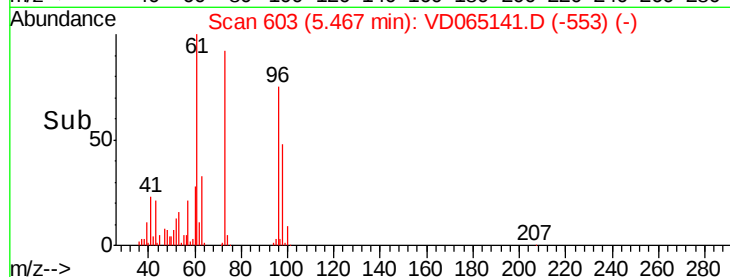
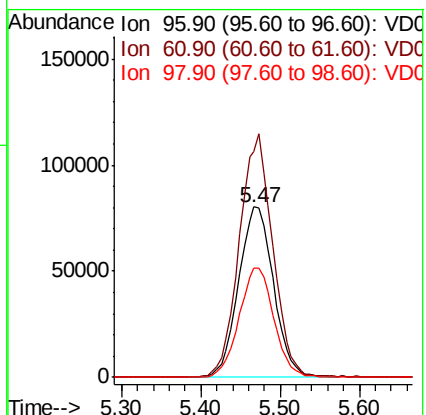
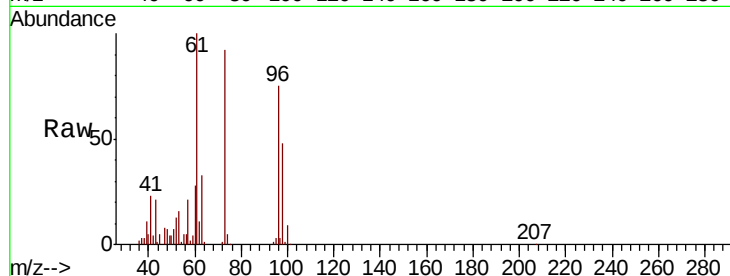
Tot Ion: 96 Resp: 246321

Ion Ratio Lower Upper

96 100

61 132.6 109.5 164.3

98 64.1 53.7 80.5



#22

Diisopropyl ether

Concen: 53.582 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Tgt Ion: 45 Resp: 695752

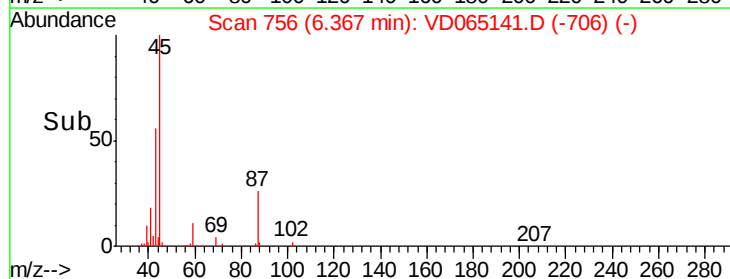
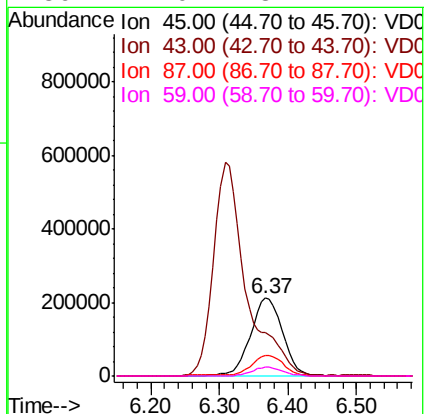
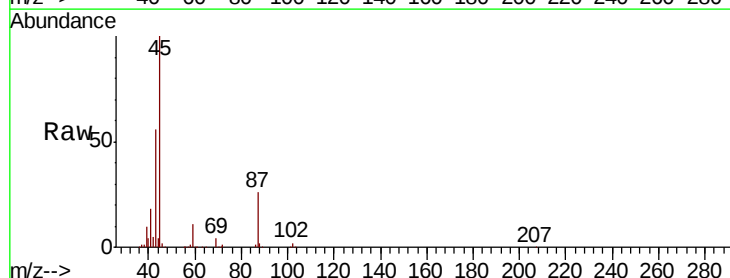
Ion Ratio Lower Upper

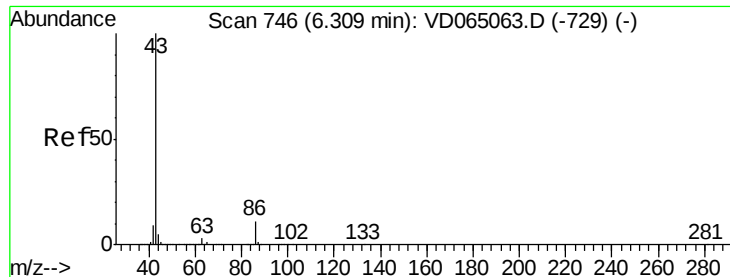
45 100

43 55.4 41.3 61.9

87 26.1 21.0 31.6

59 11.0 8.2 12.4

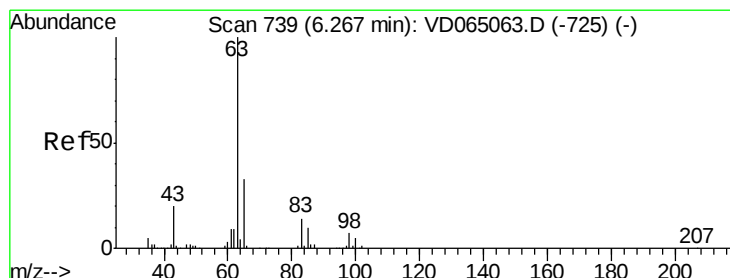
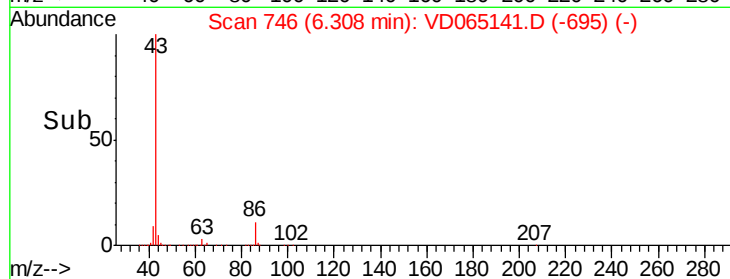
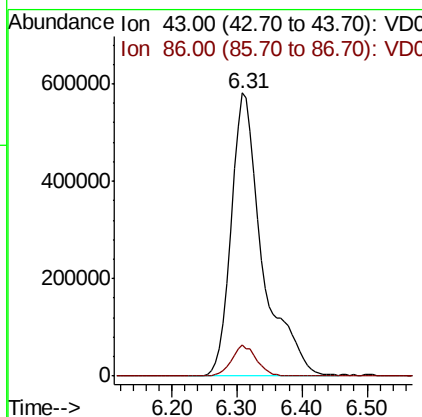
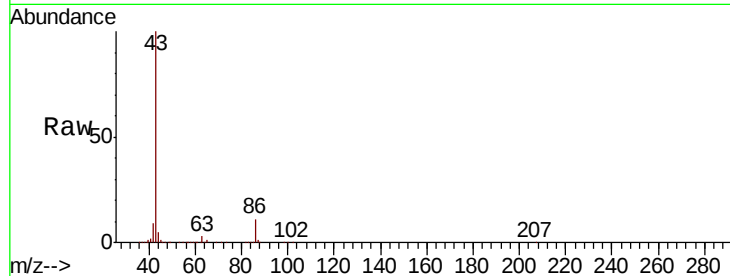




#23
 Vinyl Acetate
 Concen: 267.143 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

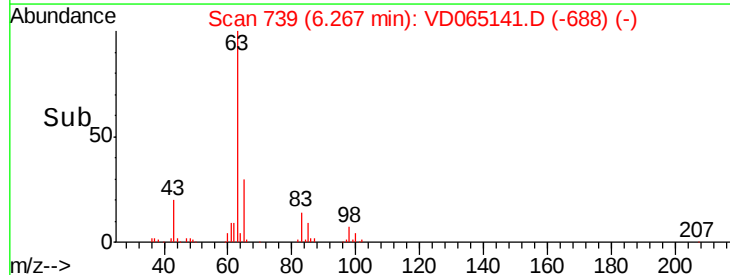
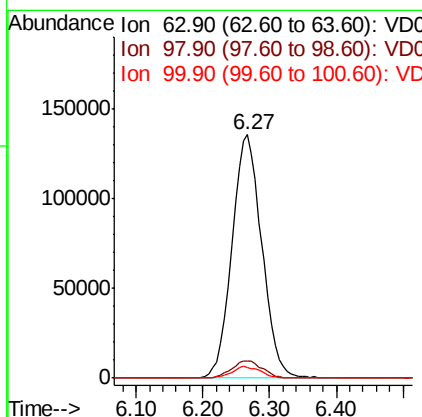
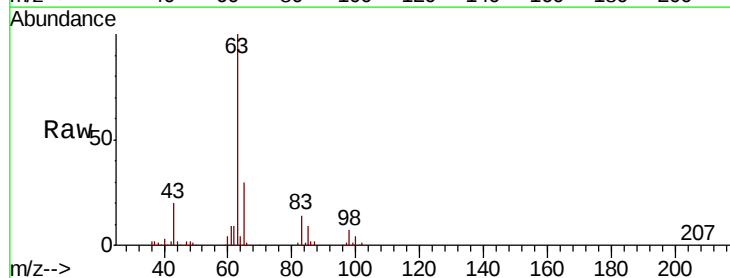
Instrument :
 MSVOA_D
 ClientSampleID :

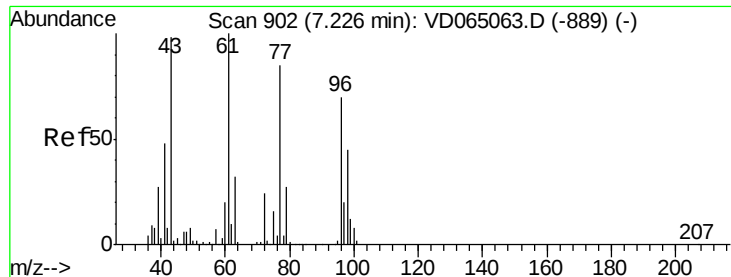
Tot Ion: 43 Resp: 1933434
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.5 12.7



#24
 1,1-Dichloroethane
 Concen: 53.647 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Tgt Ion: 63 Resp: 421637
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.5 10.4
 100 4.3 2.5 7.6





#25

2-Butanone

Concen: 271.825 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

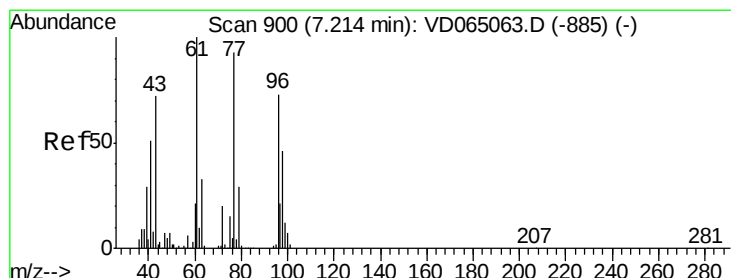
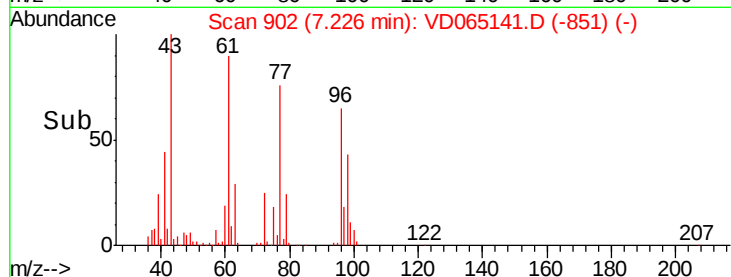
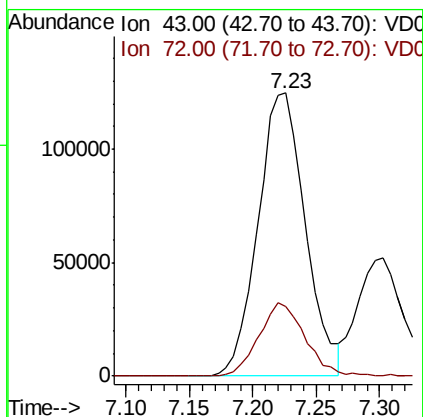
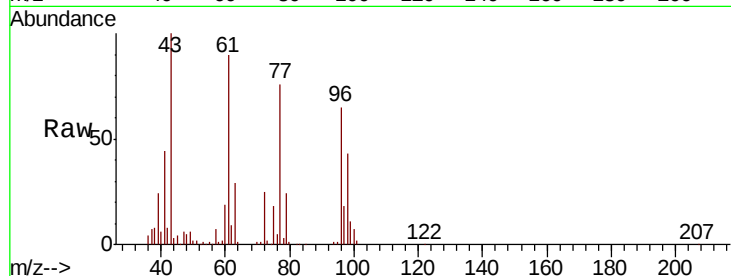
ClientSampled :

Tot Ion: 43 Resp: 323304

Ion Ratio Lower Upper

43 100

72 24.8 19.9 29.9



#26

2,2-Dichloropropane

Concen: 54.133 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065141.D

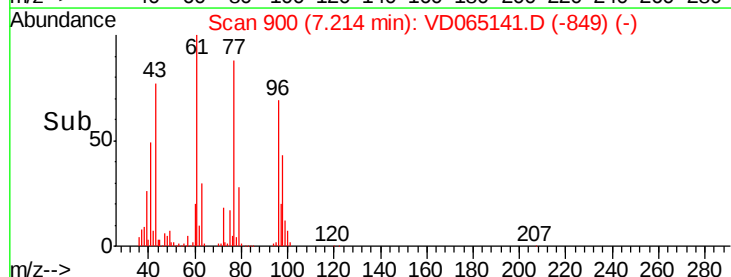
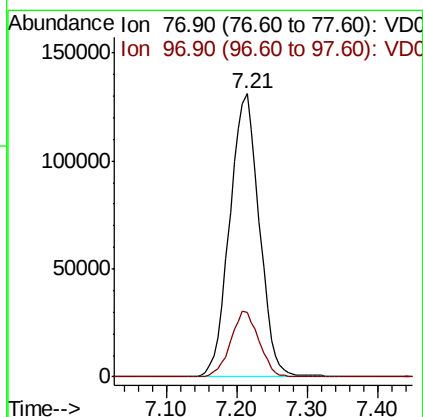
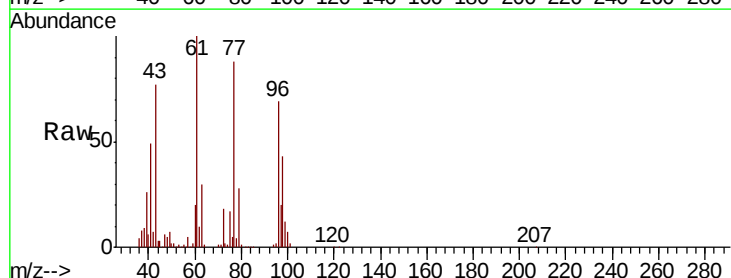
Acq: 11 Feb 2020 10:32

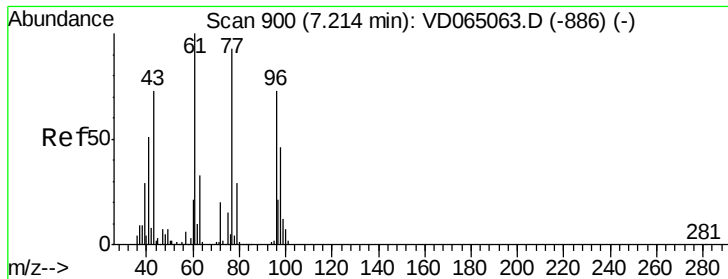
Tgt Ion: 77 Resp: 381348

Ion Ratio Lower Upper

77 100

97 22.3 10.9 32.6



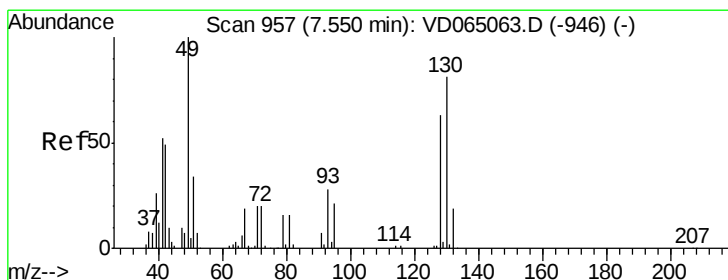
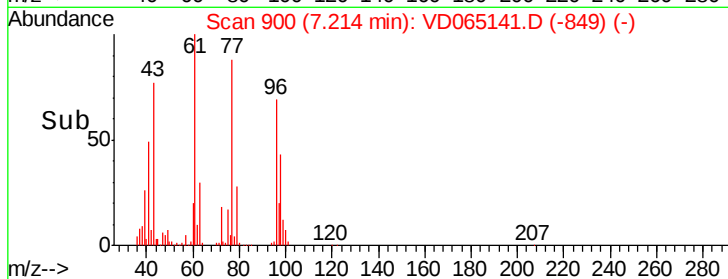
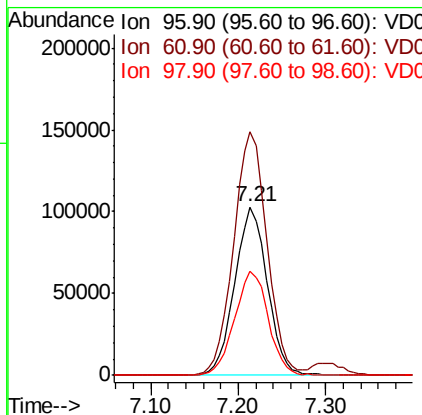
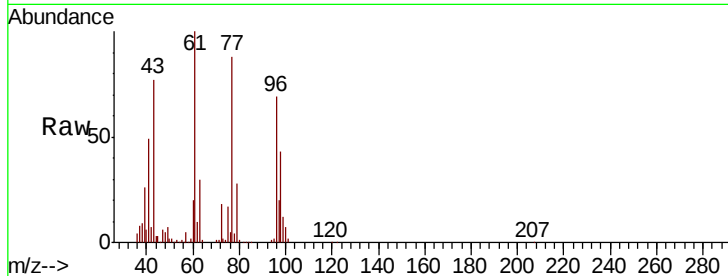


#27

cis-1,2-Dichloroethene
 Concen: 52.250 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Instrument :
 MSVOA_D
 ClientSampleId :

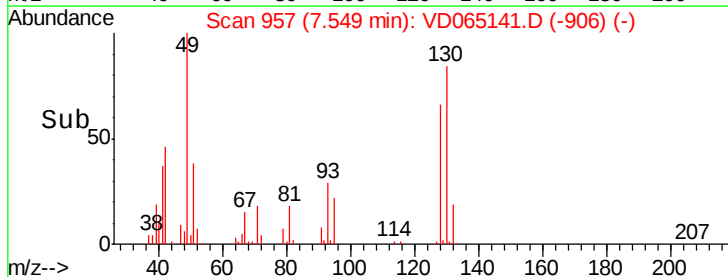
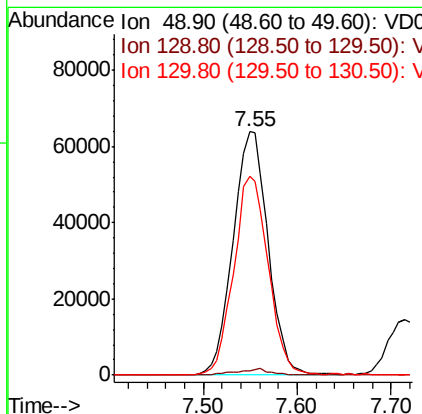
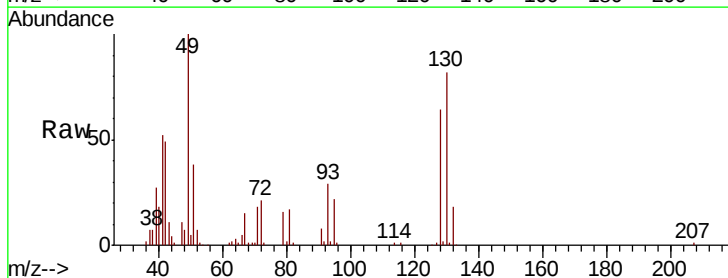
Tot Ion	Ratio	Lower	Upper
96	100		
61	148.0	0.0	292.8
98	63.9	0.0	128.8

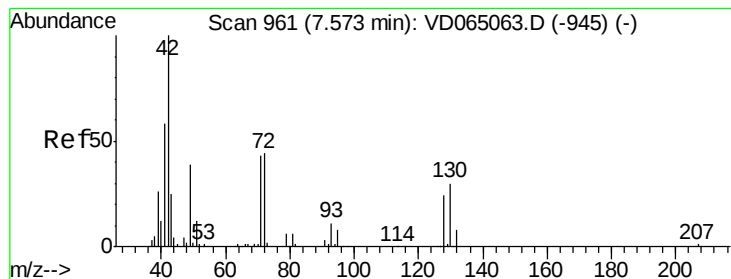


#28

Bromochloromethane
 Concen: 55.483 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	80.3	63.8	95.8





#29

Tetrahydrofuran

Concen: 260.267 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

ClientSampleId :

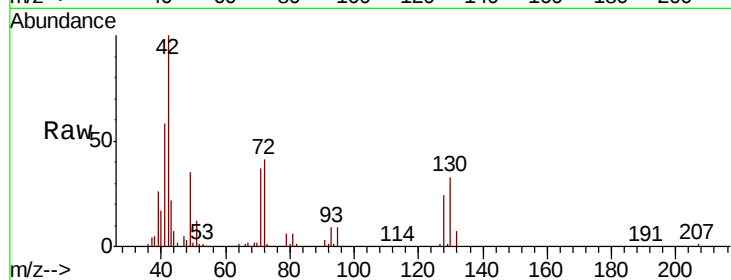
Tot Ion: 42 Resp: 187200

Ion Ratio Lower Upper

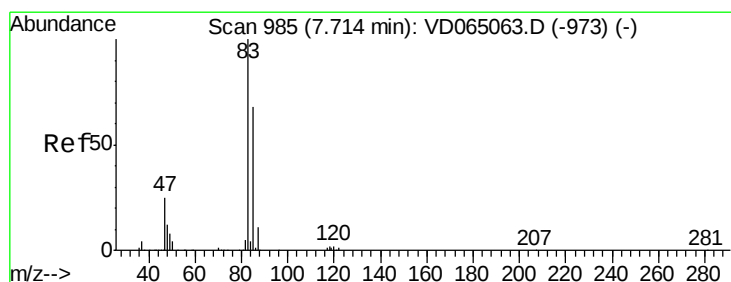
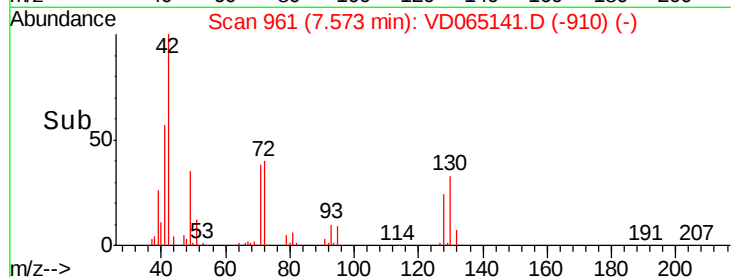
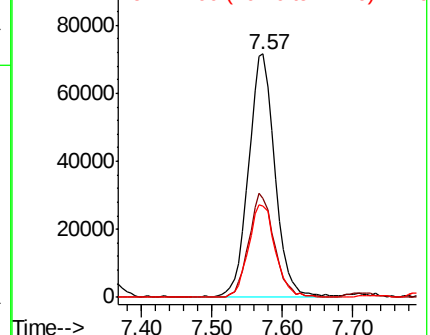
42 100

72 41.2 34.2 51.4

71 38.5 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: 54.041 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065141.D

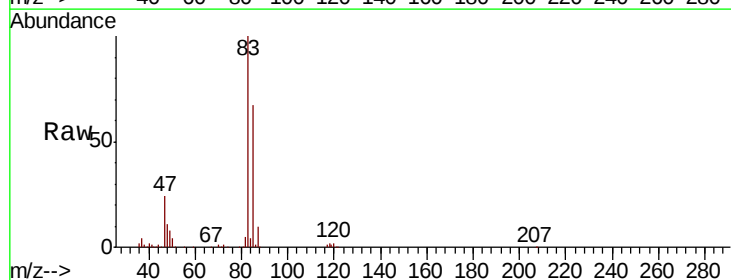
Acq: 11 Feb 2020 10:32

Tgt Ion: 83 Resp: 422910

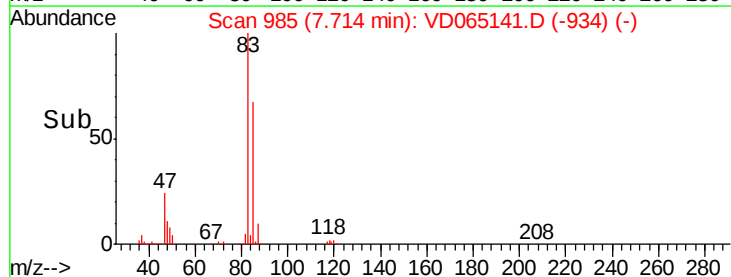
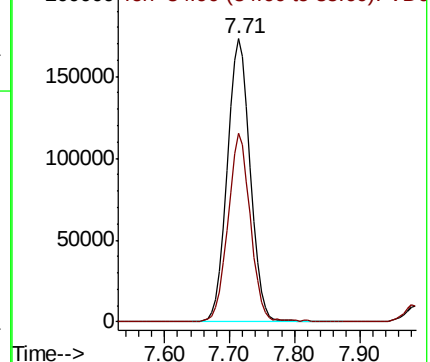
Ion Ratio Lower Upper

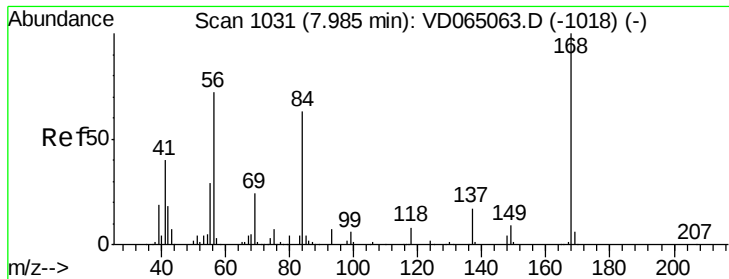
83 100

85 66.8 54.2 81.4



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

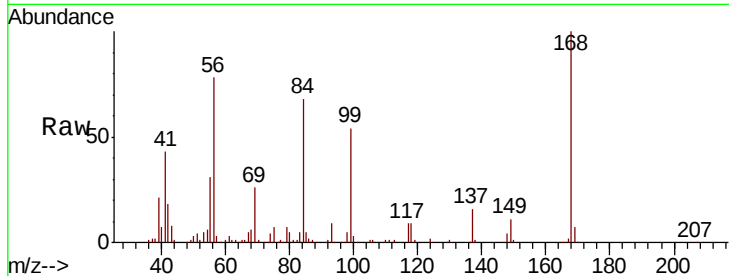




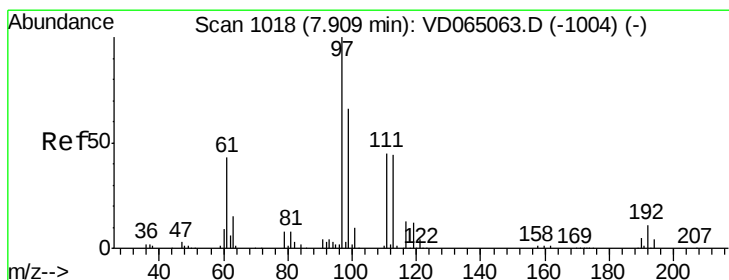
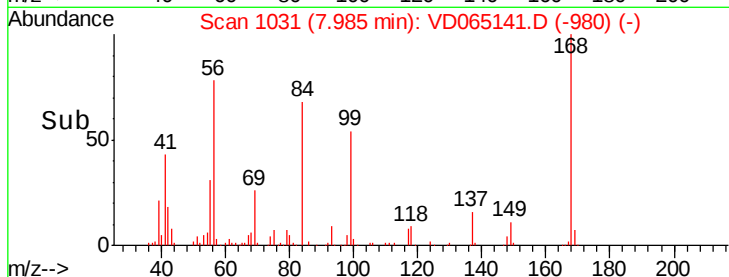
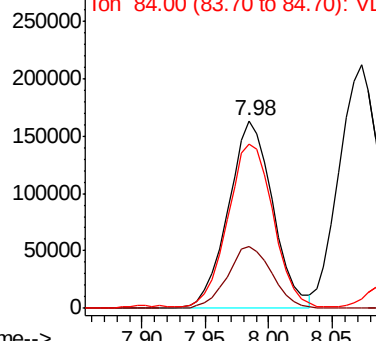
#31
Cyclohexane
Concen: 50.321 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 399227
Ion Ratio Lower Upper
56 100
69 33.1 26.6 40.0
84 85.6 70.6 106.0

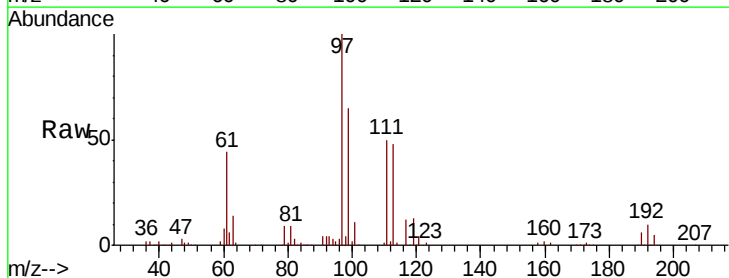


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

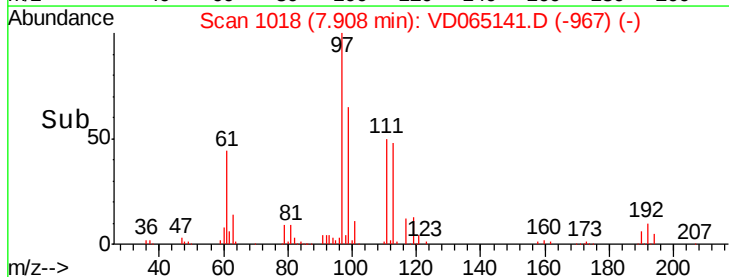
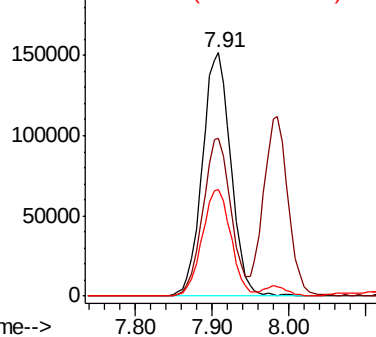


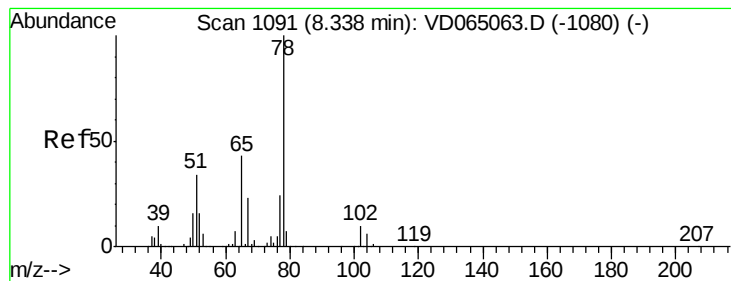
#32
1,1,1-Trichloroethane
Concen: 53.912 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion: 97 Resp: 393006
Ion Ratio Lower Upper
97 100
99 63.4 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: 55.815 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

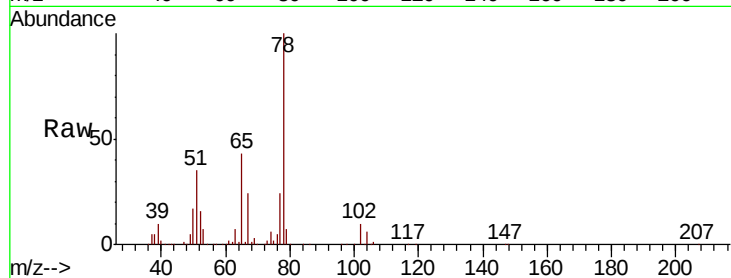
ClientSampleId :

Tot Ion: 65 Resp: 222597

Ion Ratio Lower Upper

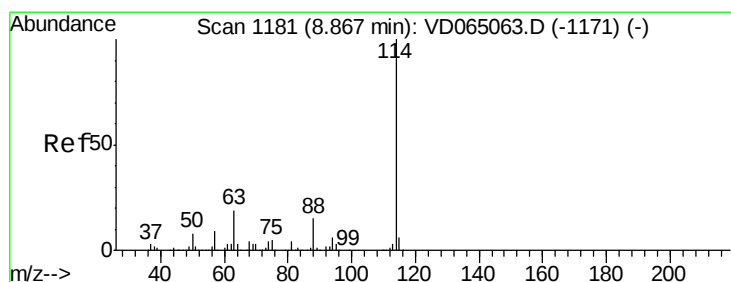
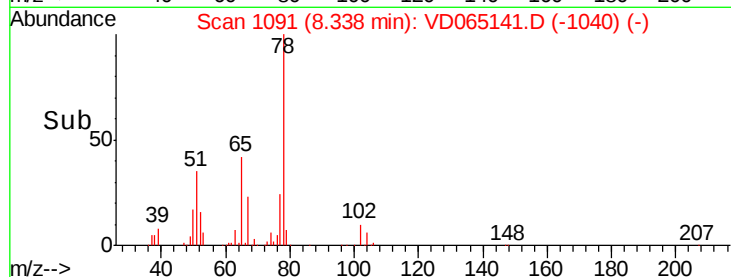
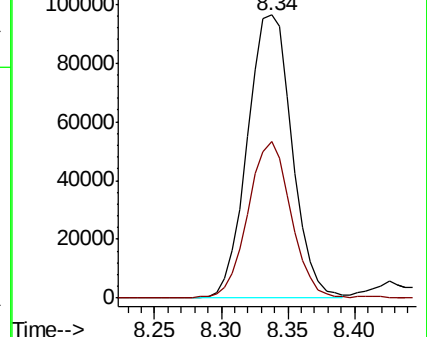
65 100

67 53.4 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

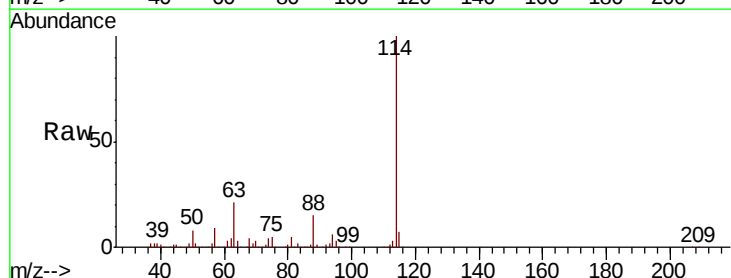
Tgt Ion:114 Resp: 672477

Ion Ratio Lower Upper

114 100

63 21.1 0.0 38.8

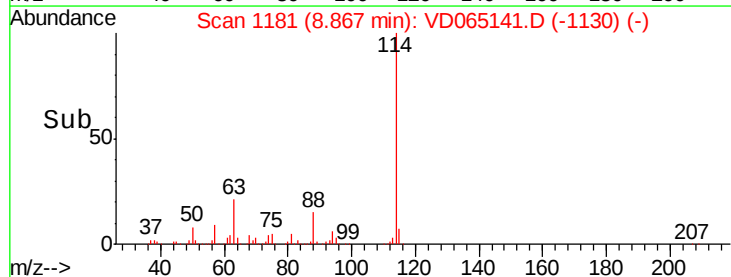
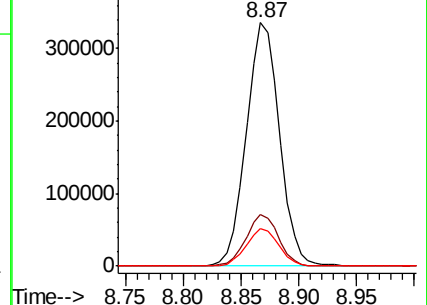
88 15.4 0.0 29.6

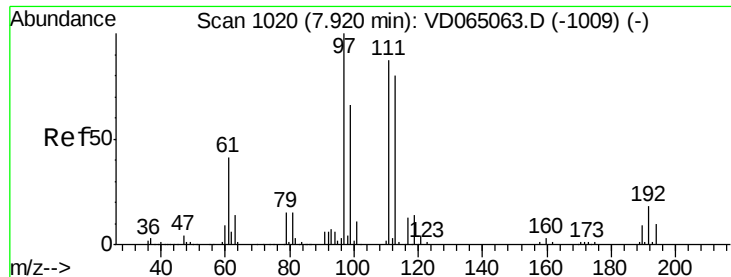


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

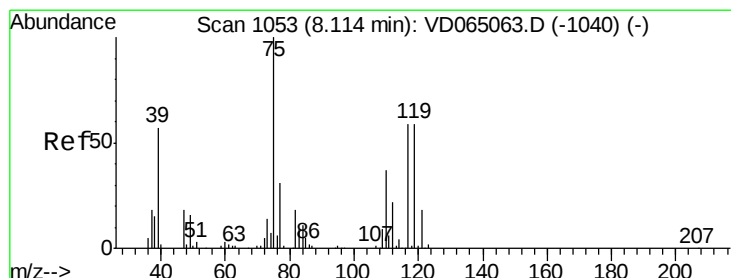
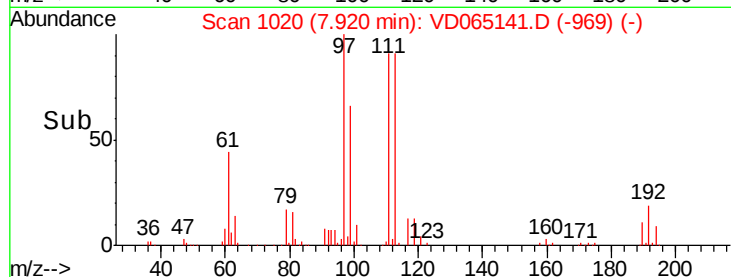
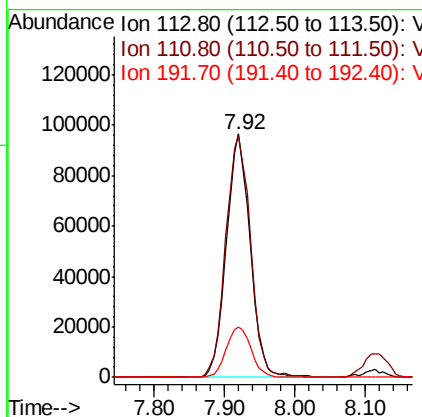
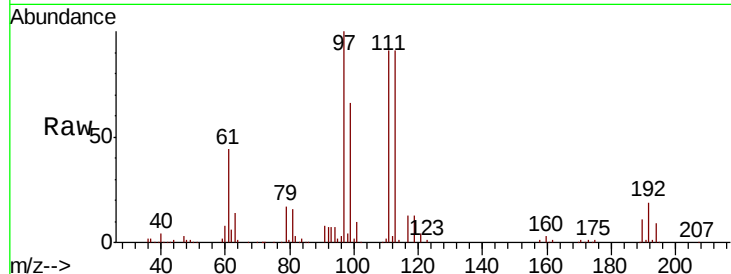




#35
 Dibromofluoromethane
 Concen: 60.265 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

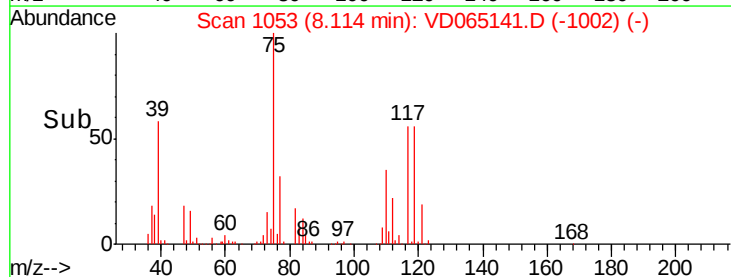
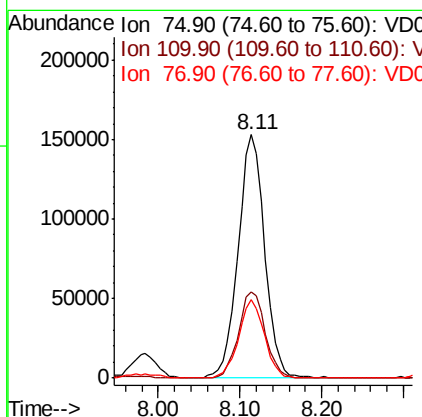
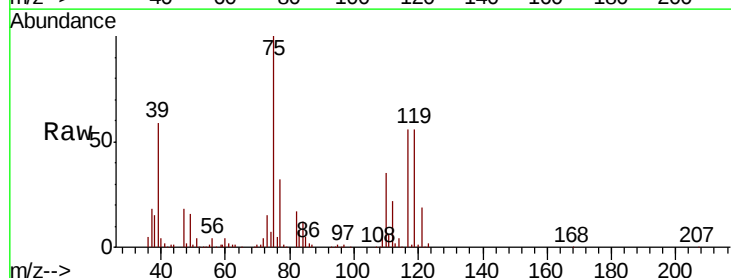
Instrument :
 MSVOA_D
 ClientSampleId :

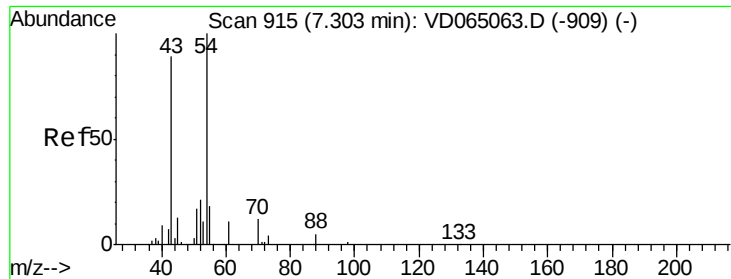
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.1	124.7
192	21.5	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 54.951 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	18.1	54.3
77	31.5	24.7	37.1

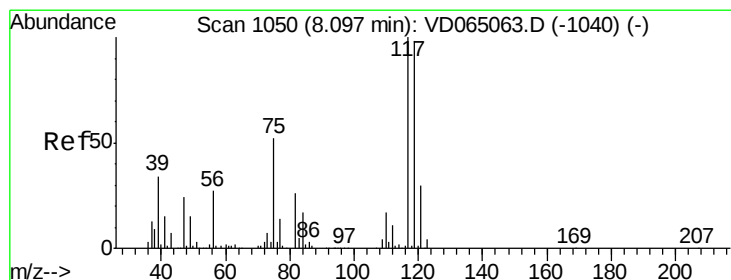
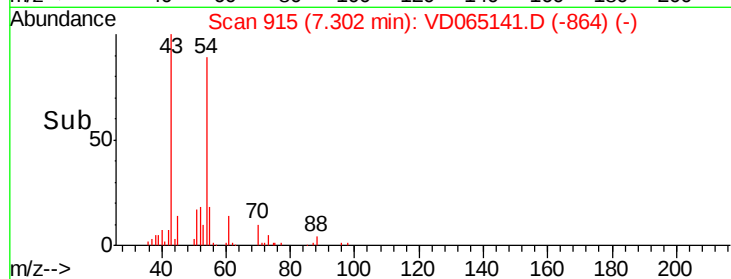
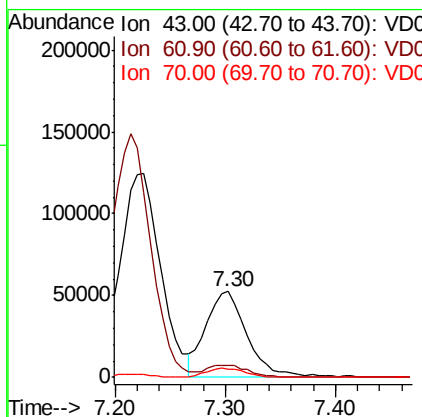
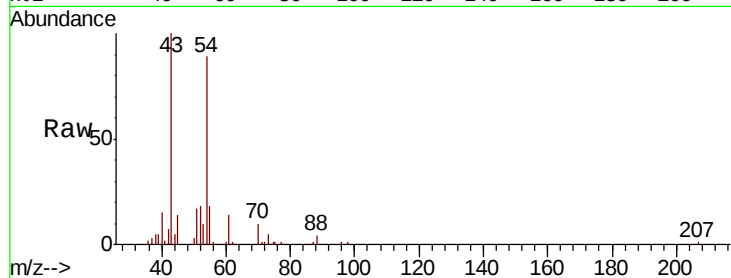




#37
Ethyl Acetate
Concen: 51.958 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

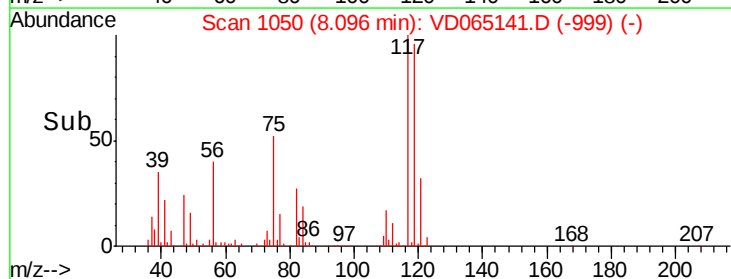
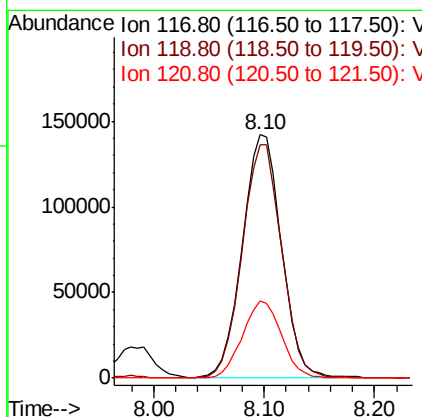
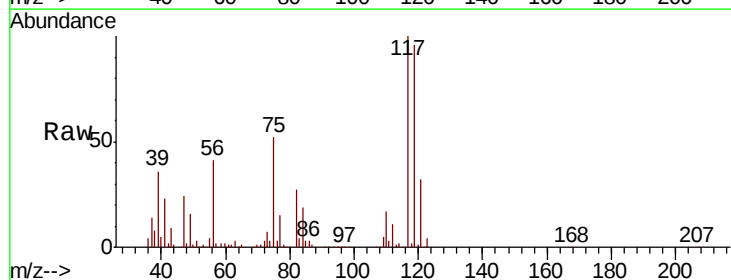
Instrument :
MSVOA_D
ClientSampleId :

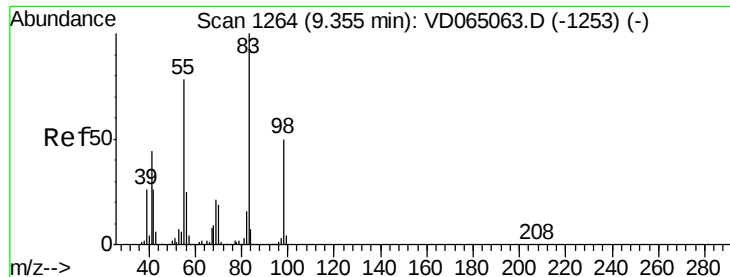
Tot Ion: 43 Resp: 132732
Ion Ratio Lower Upper
43 100
61 14.2 11.0 16.4
70 10.8 8.2 12.2



#38
Carbon Tetrachloride
Concen: 55.229 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion: 117 Resp: 352718
Ion Ratio Lower Upper
117 100
119 96.0 78.5 117.7
121 32.0 23.8 35.6

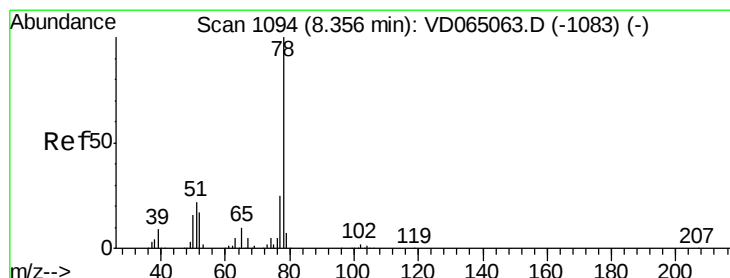
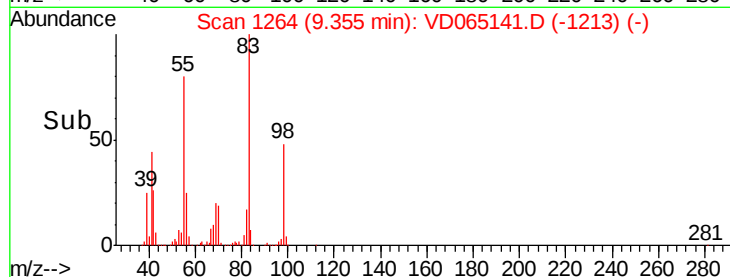
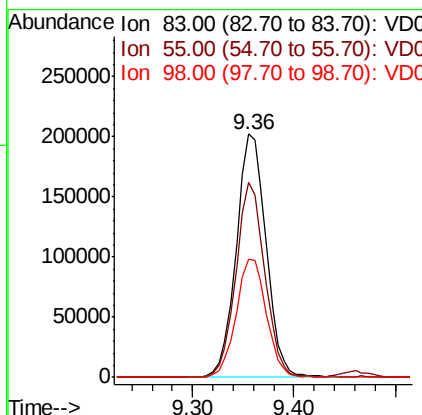
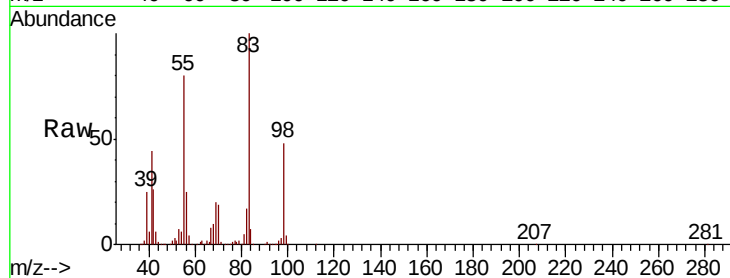




#39
Methvlcvclohexane
Concen: 53.631 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

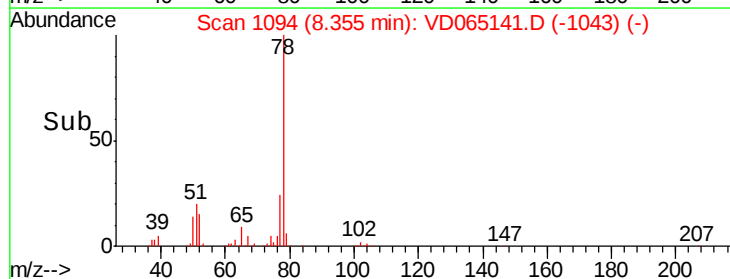
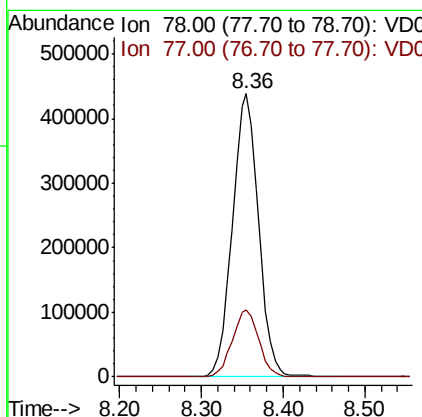
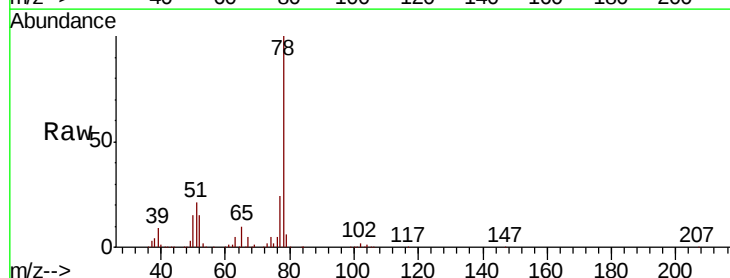
Instrument :
MSVOA_D
ClientSampled :

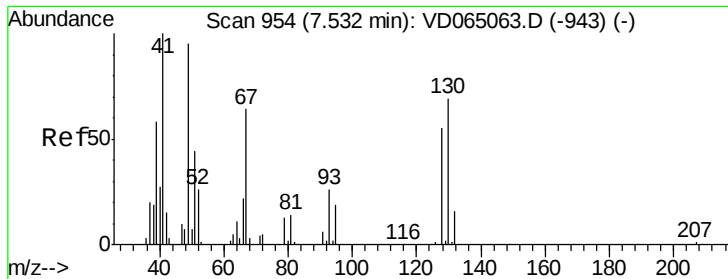
Tot Ion: 83 Resp: 413937
Ion Ratio Lower Upper
83 100
55 80.2 62.0 93.0
98 48.5 39.9 59.9



#40
Benzene
Concen: 56.255 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion: 78 Resp: 971395
Ion Ratio Lower Upper
78 100
77 23.9 19.6 29.4

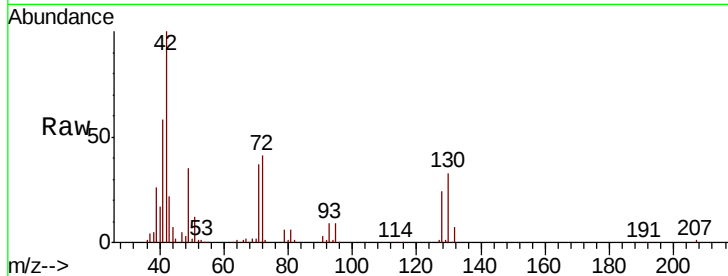




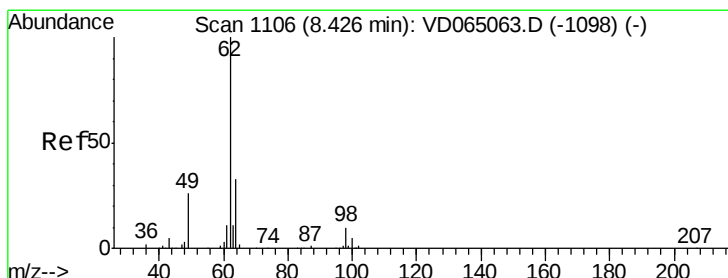
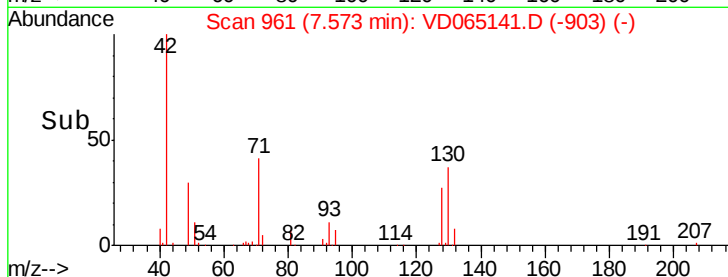
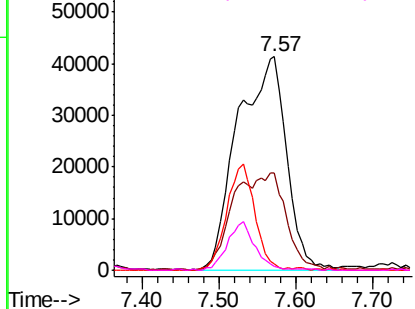
#41
Methacrylonitrile
Concen: 130.010 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.04 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 182973
Ion Ratio Lower Upper
41 100
39 0.0 55.4 83.0#
67 0.0 59.0 88.6#
52 0.0 25.4 38.0#

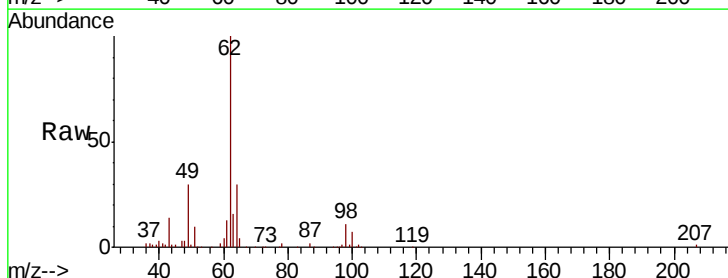


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

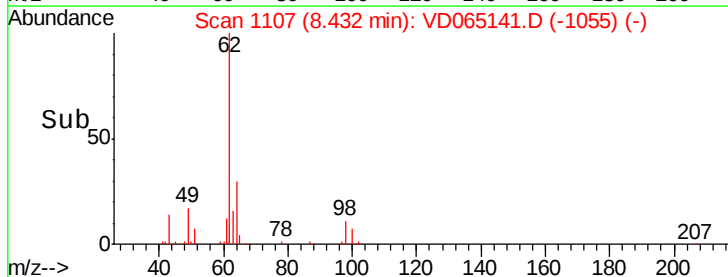
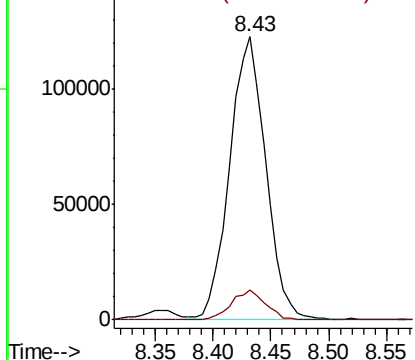


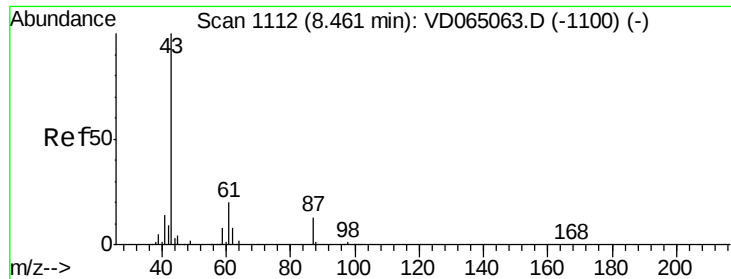
#42
1,2-Dichloroethane
Concen: 53.654 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion: 62 Resp: 263985
Ion Ratio Lower Upper
62 100
98 9.9 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: 51.214 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

ClientSampleId :

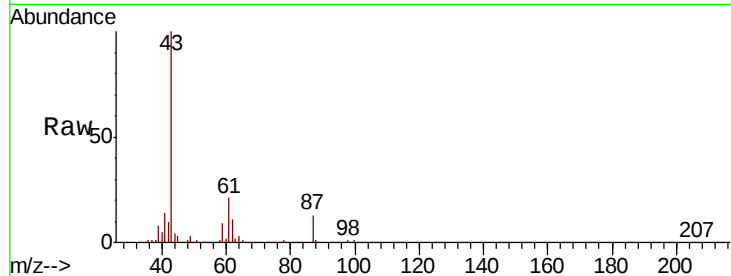
Tot Ion: 43 Resp: 250271

Ion Ratio Lower Upper

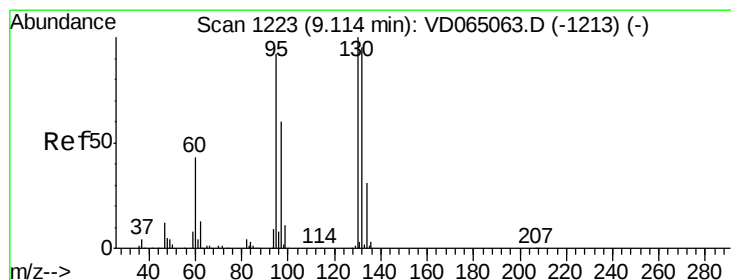
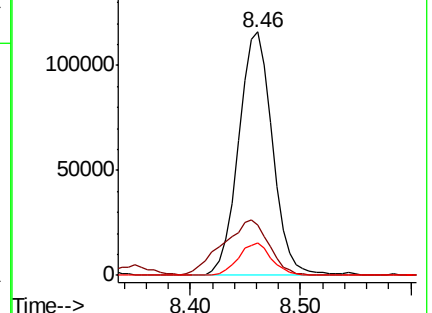
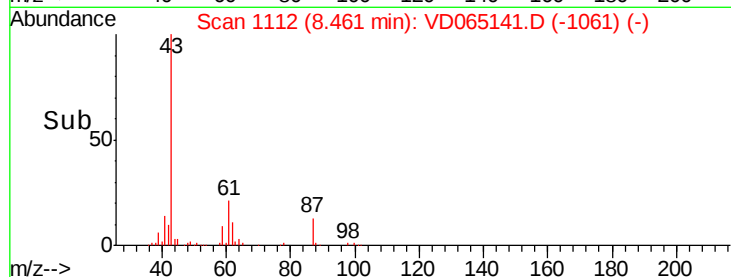
43 100

61 30.9 24.0 36.0

87 13.0 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: 53.085 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065141.D

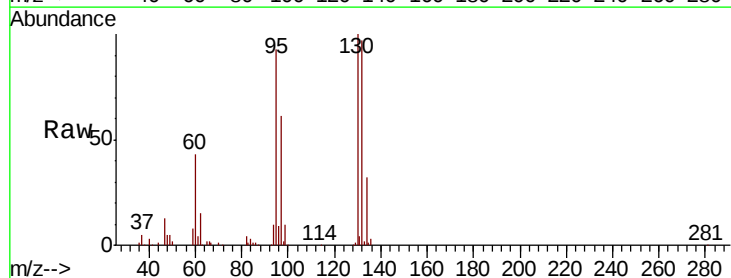
Acq: 11 Feb 2020 10:32

Tgt Ion:130 Resp: 263109

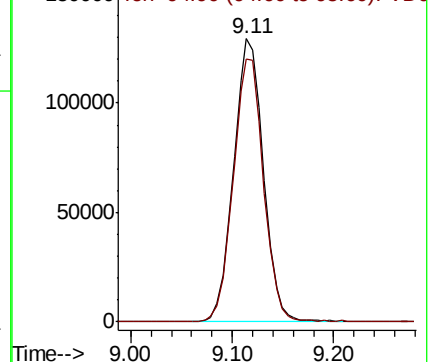
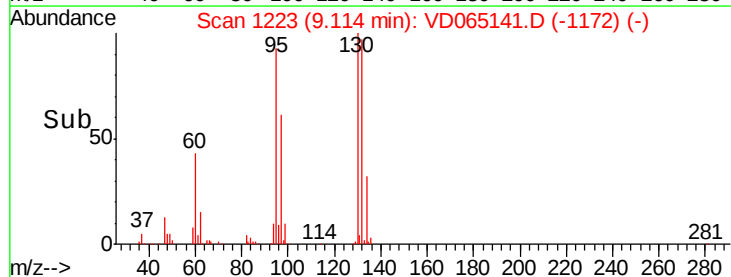
Ion Ratio Lower Upper

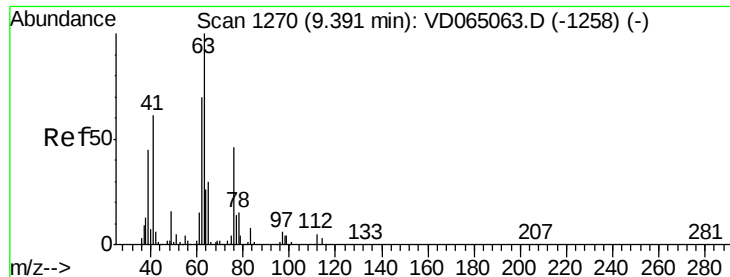
130 100

95 92.7 0.0 185.0



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





#45

1,2-Dichloropropane

Concen: 56.735 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

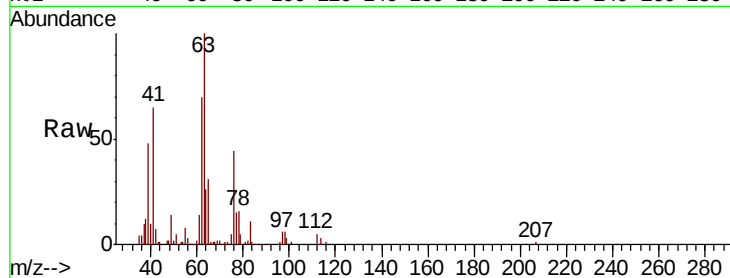
ClientSampleId :

Tot Ion: 63 Resp: 234887

Ion Ratio Lower Upper

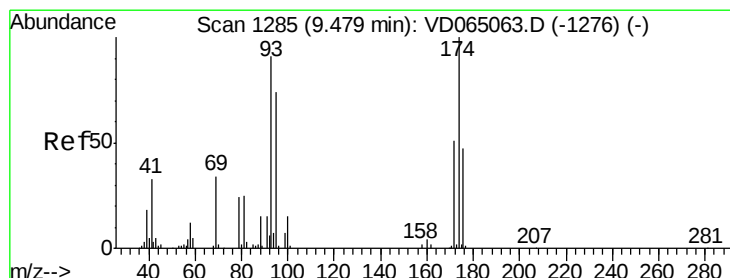
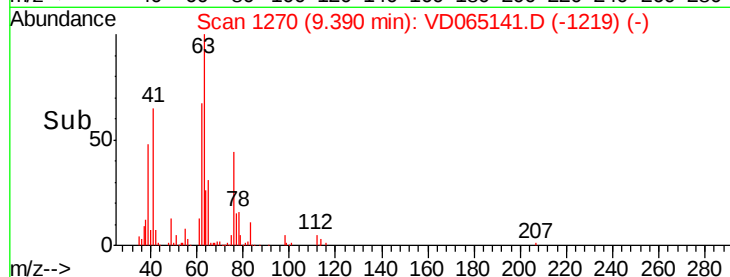
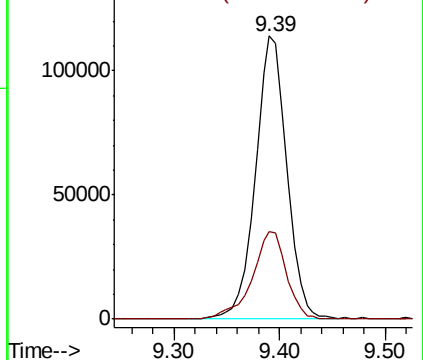
63 100

65 31.0 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: 55.471 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

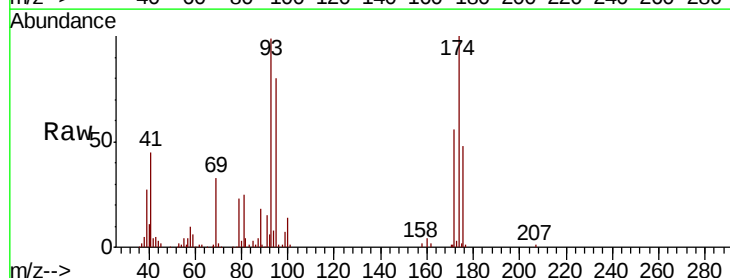
Tgt Ion: 93 Resp: 120679

Ion Ratio Lower Upper

93 100

95 82.6 66.5 99.7

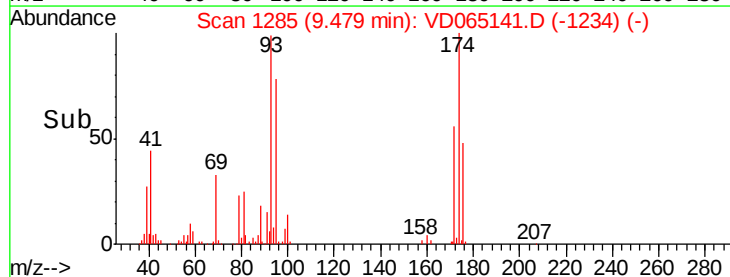
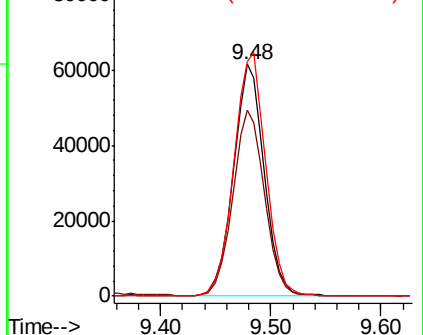
174 108.1 89.8 134.8

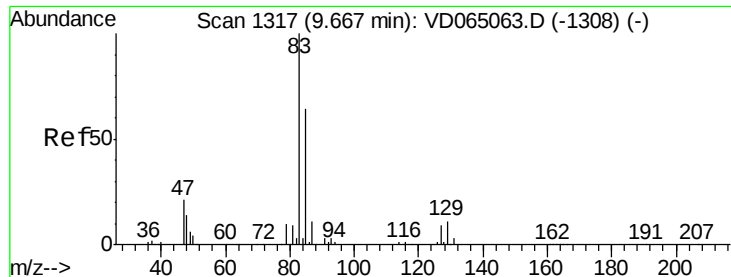


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 56.067 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :
MSVOA_D
ClientSampleId :

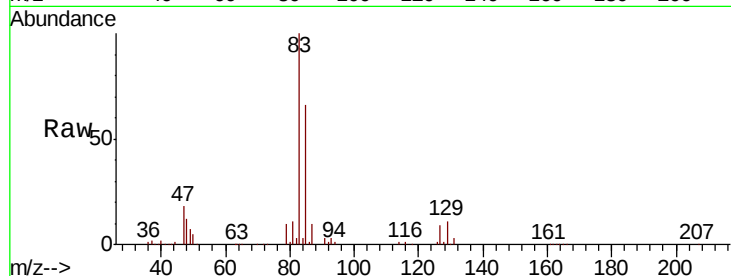
Tot Ion: 83 Resp: 321390

Ion Ratio Lower Upper

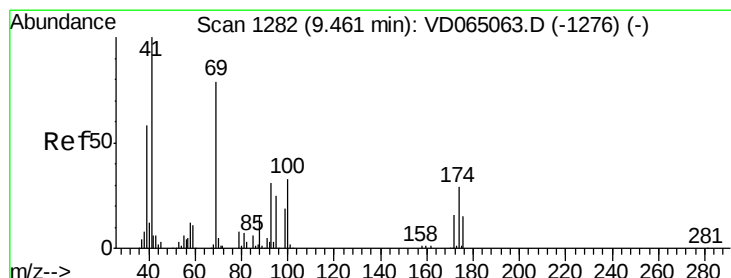
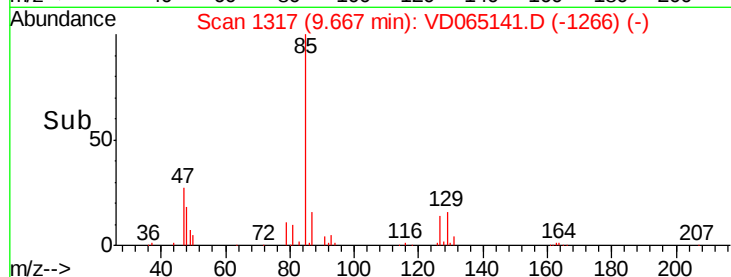
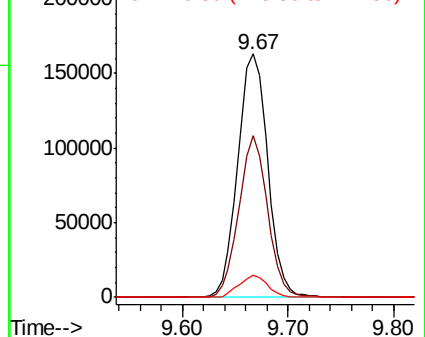
83 100

85 66.2 51.0 76.6

127 9.0 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: 50.748 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

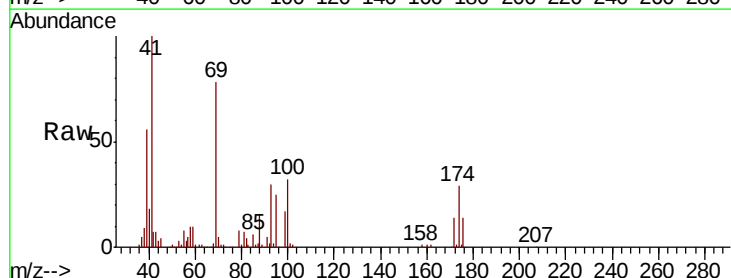
Tgt Ion: 41 Resp: 119334

Ion Ratio Lower Upper

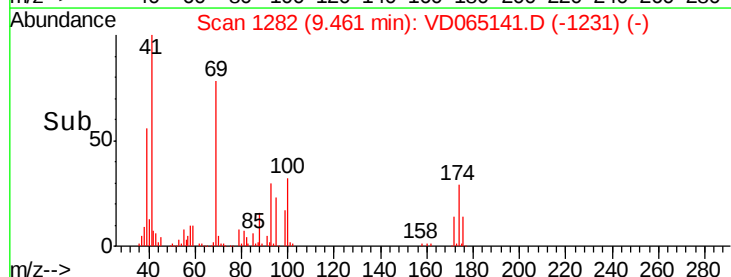
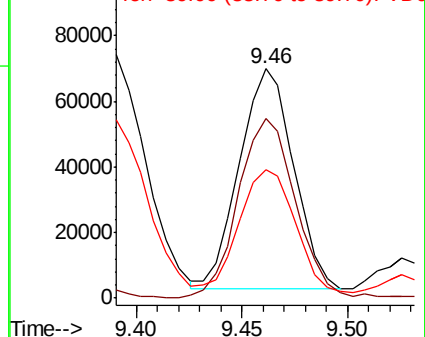
41 100

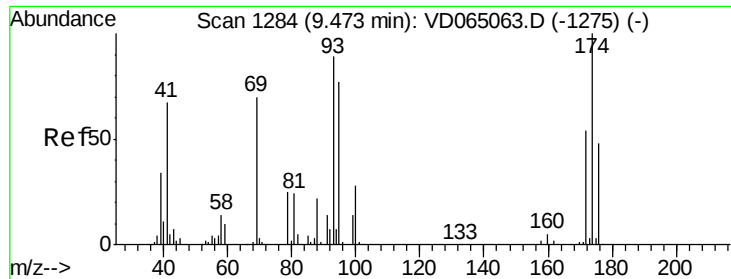
69 85.7 67.5 101.3

39 57.5 47.0 70.4



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





#49

1,4-Dioxane

Concen: 1080.085 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :
MSVOA_D
ClientSampled :

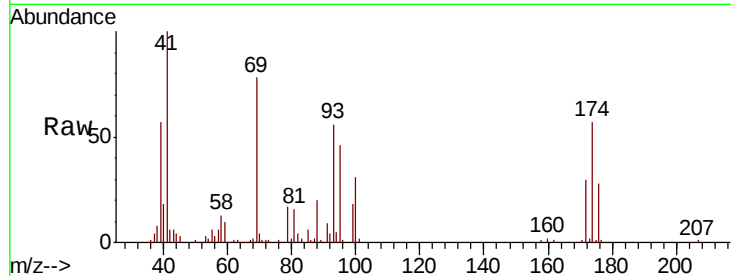
Tot Ion: 88 Resp: 27831

Ion Ratio Lower Upper

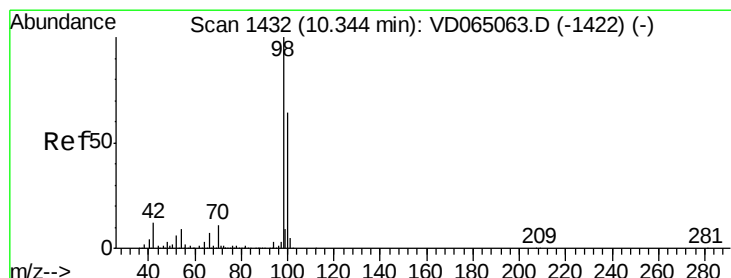
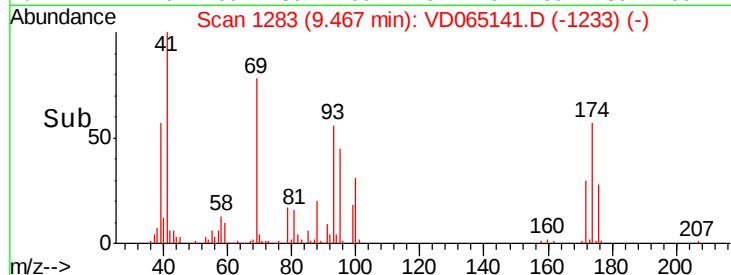
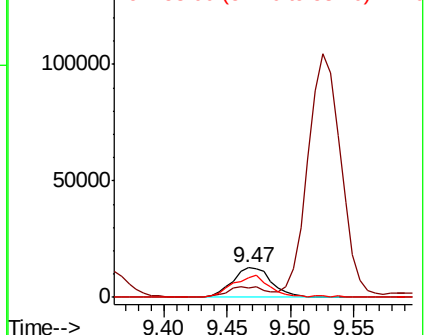
88 100

43 33.1 27.7 41.5

58 68.4 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: 60.107 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065141.D

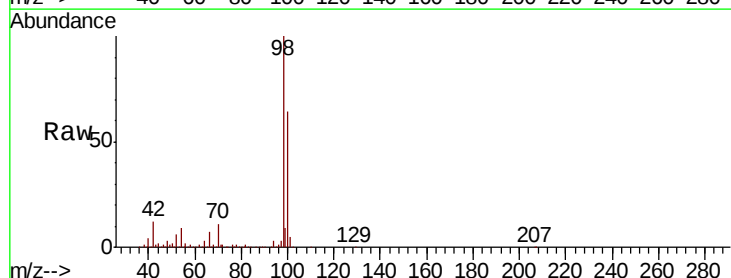
Acq: 11 Feb 2020 10:32

Tgt Ion: 98 Resp: 897646

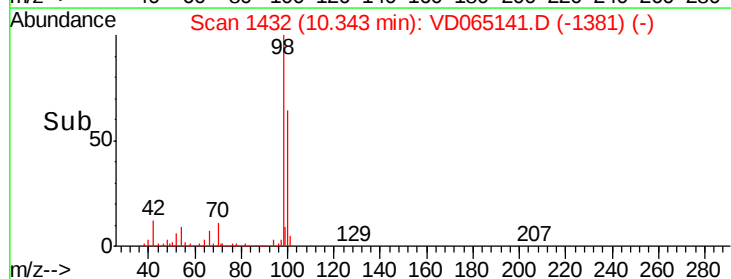
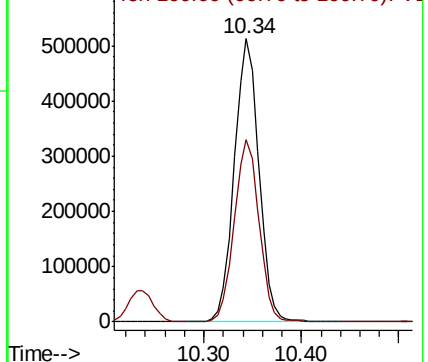
Ion Ratio Lower Upper

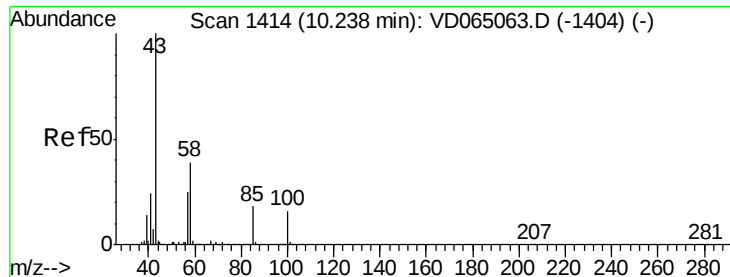
98 100

100 64.7 52.1 78.1



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

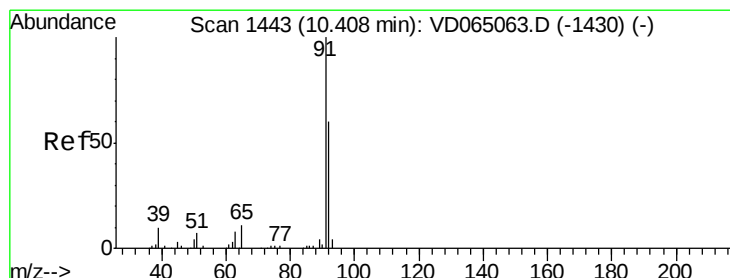
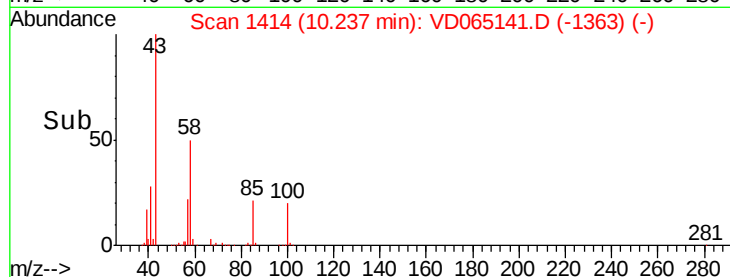
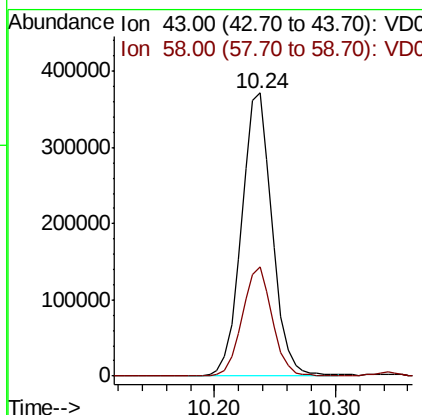
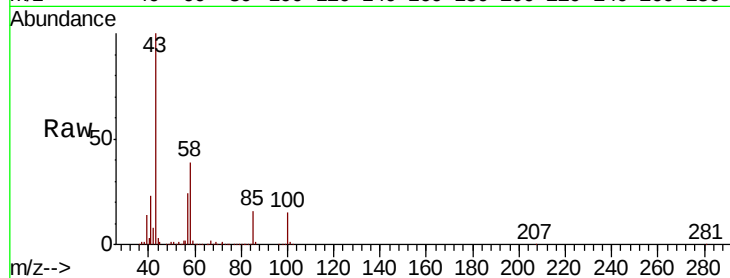




#51
 4-Methyl-2-Pentanone
 Concen: 272.996 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

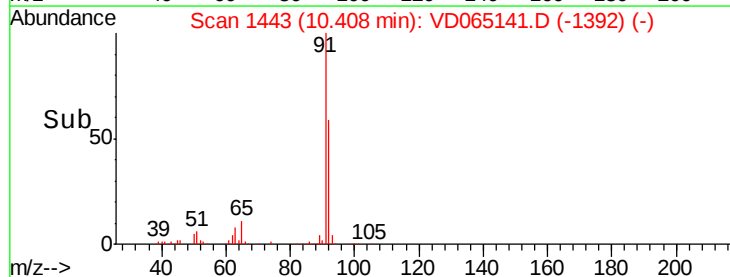
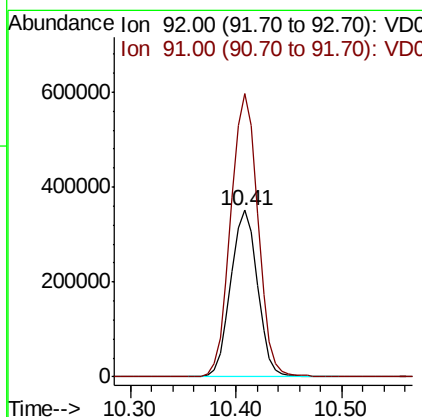
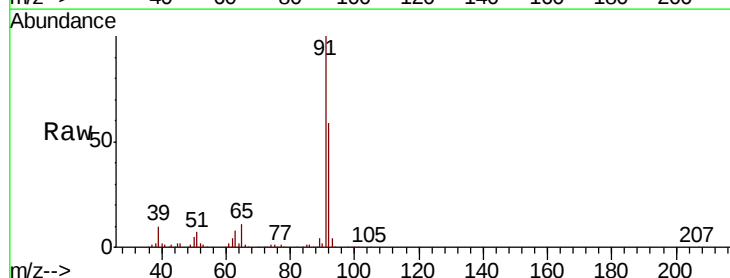
Instrument :
 MSVOA_D
 ClientSampleID :

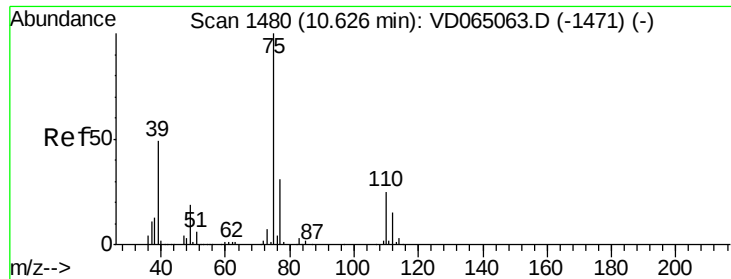
Tot Ion: 43 Resp: 656646
 Ion Ratio Lower Upper
 43 100
 58 37.8 30.2 45.2



#52
 Toluene
 Concen: 55.945 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Tgt Ion: 92 Resp: 616560
 Ion Ratio Lower Upper
 92 100
 91 172.4 135.3 202.9

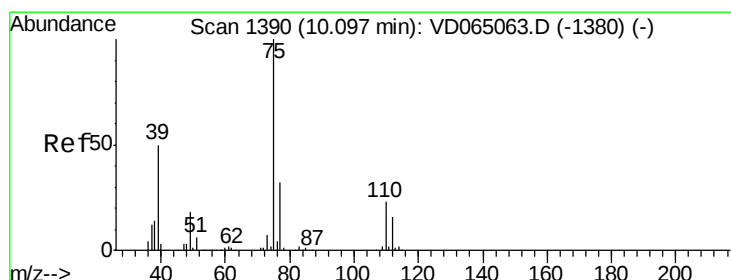
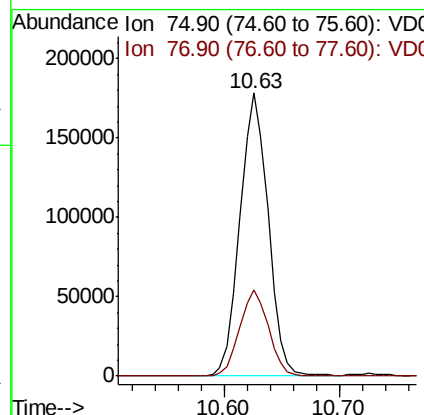
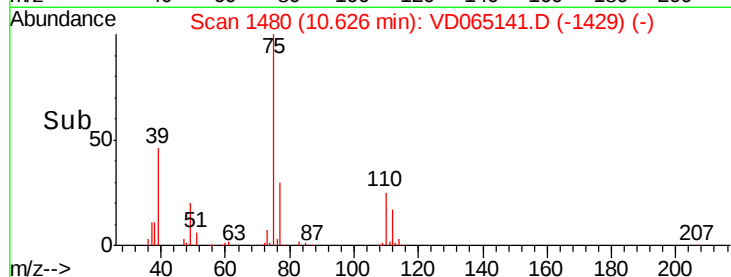
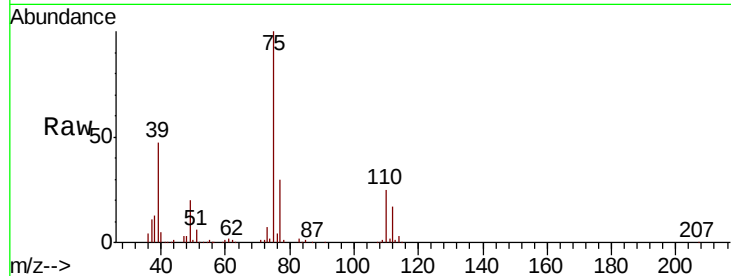




#53
 t-1,3-Dichloropropene
 Concen: 54.341 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

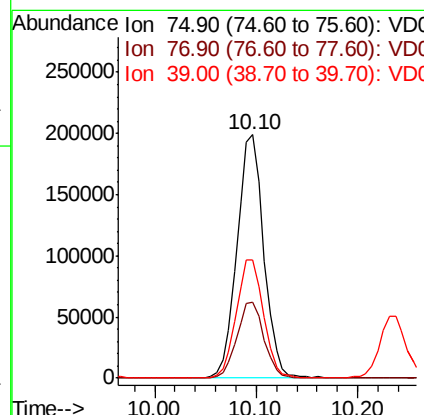
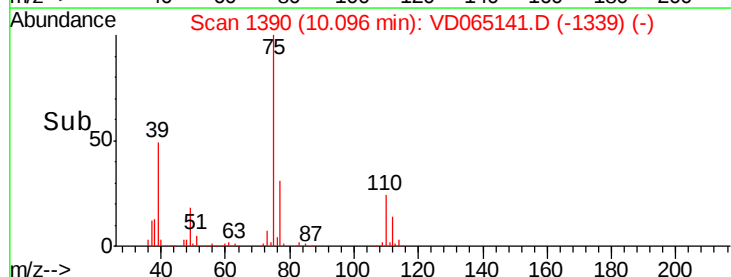
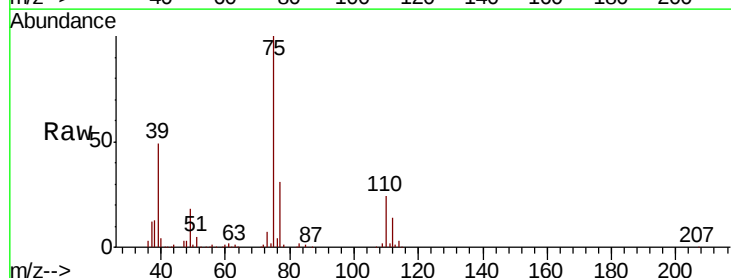
Instrument :
 MSVOA_D
 ClientSampleId :

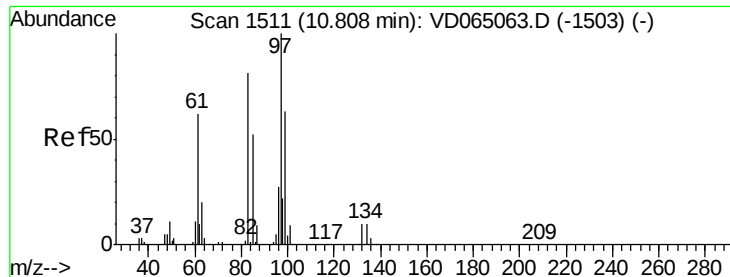
Tot Ion: 75 Resp: 303282
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 54.625 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Tgt Ion: 75 Resp: 364625
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.3 37.9
 39 48.4 40.3 60.5





#55

1,1,2-Trichloroethane

Concen: 55.484 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 165565

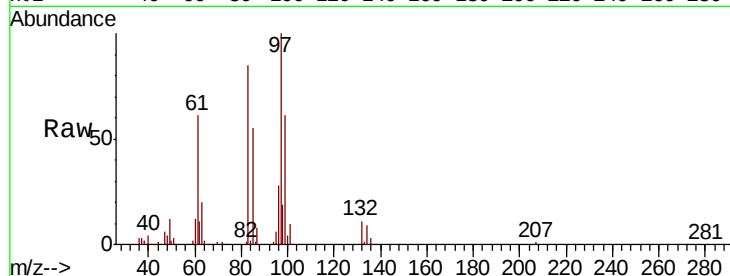
Ion Ratio Lower Upper

97 100

83 85.1 64.8 97.2

85 54.7 41.2 61.8

99 61.0 50.3 75.5

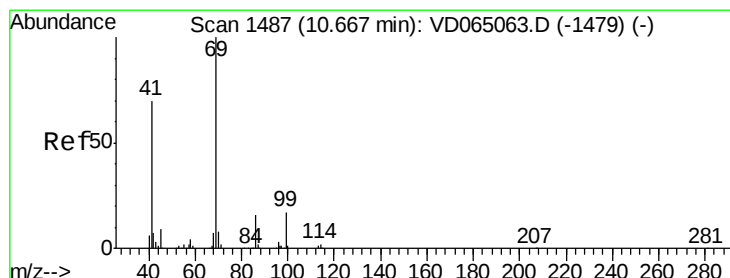
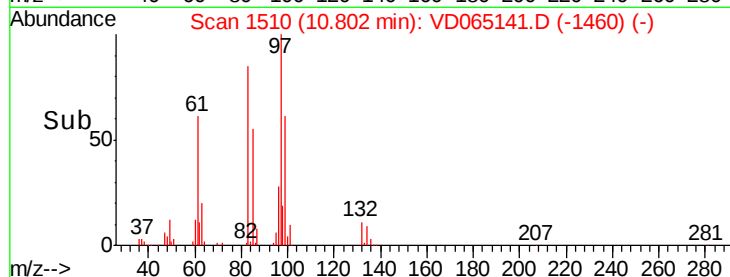
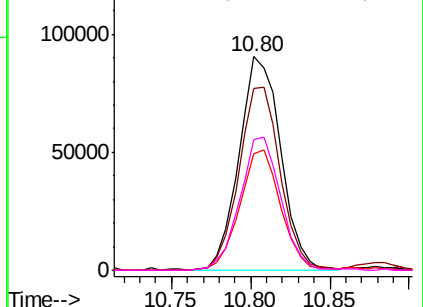


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 54.431 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

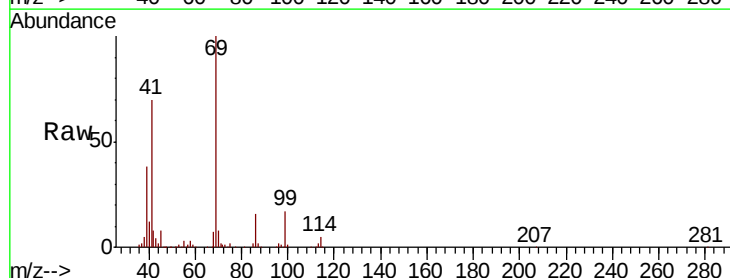
Tgt Ion: 69 Resp: 205512

Ion Ratio Lower Upper

69 100

41 68.3 55.9 83.9

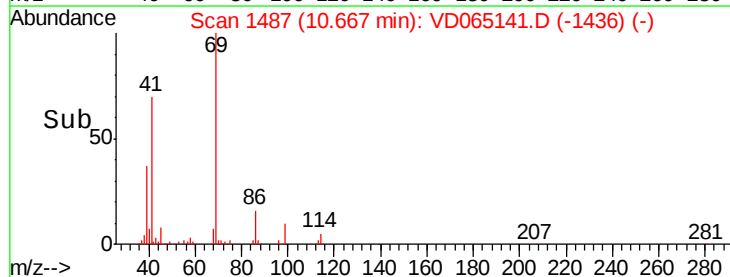
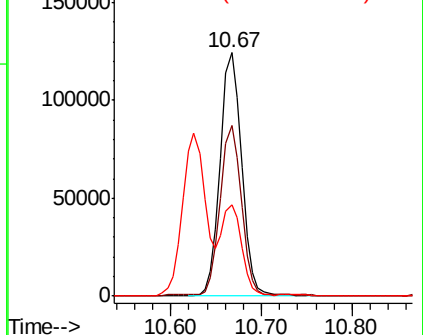
39 34.8 29.4 44.0

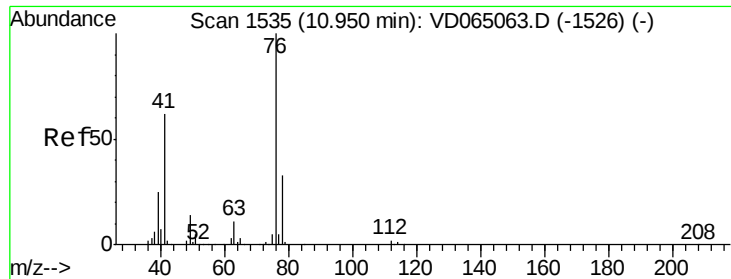


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

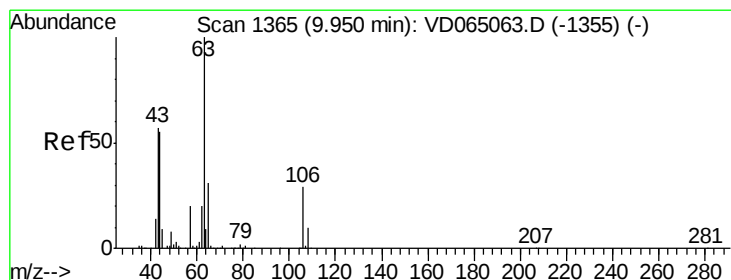
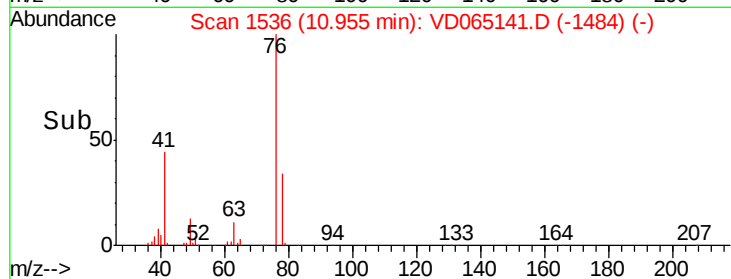
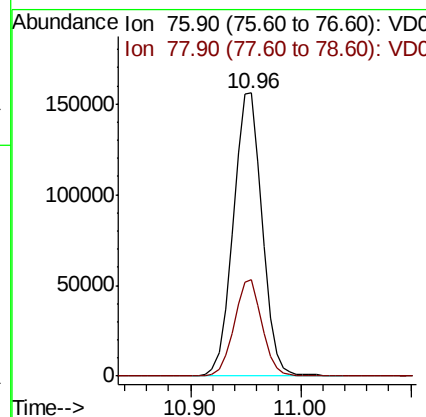
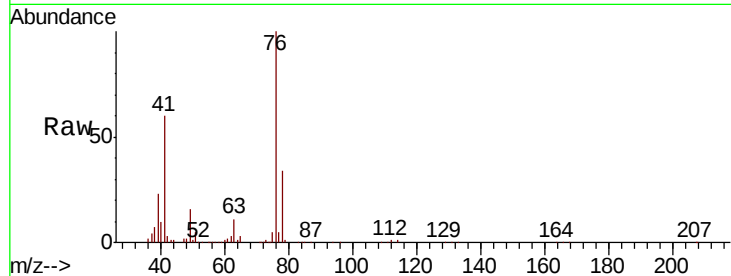




#57
 1,3-Dichloropropane
 Concen: 54.668 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

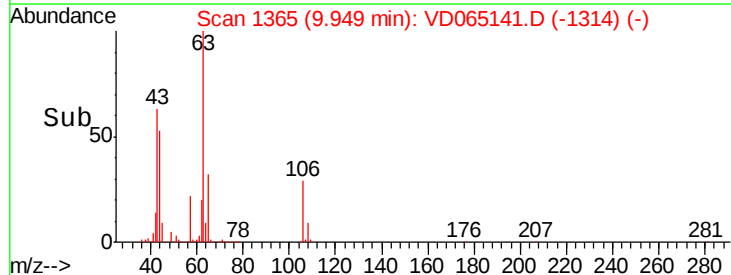
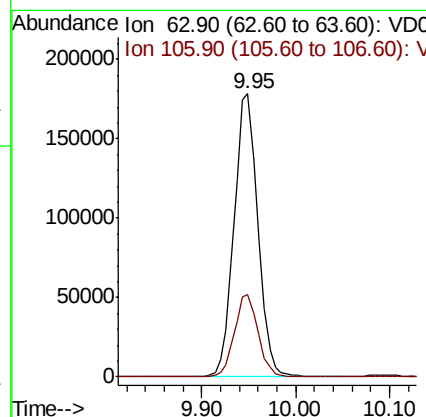
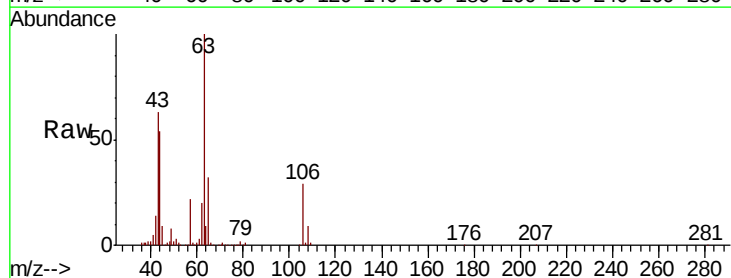
Instrument :
 MSVOA_D
 ClientSampleId :

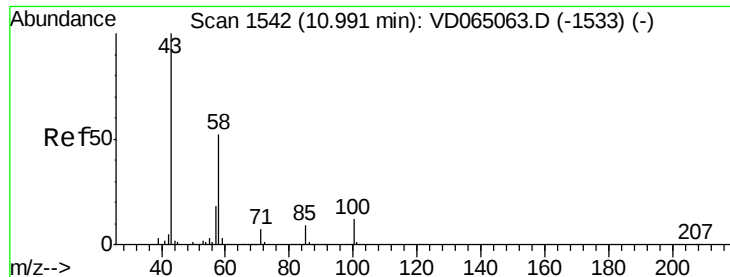
Tot Ion: 76 Resp: 286855
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.263 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Tgt Ion: 63 Resp: 314288
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.3 34.9

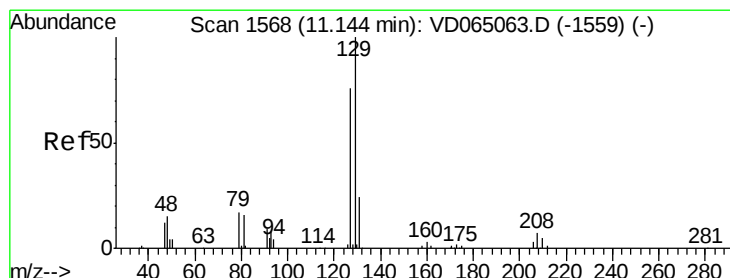
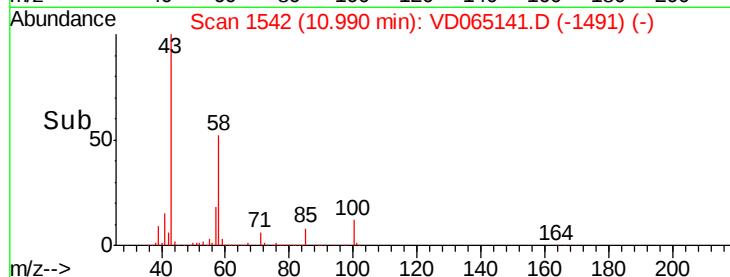
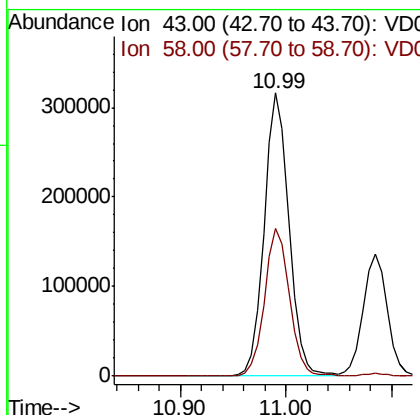
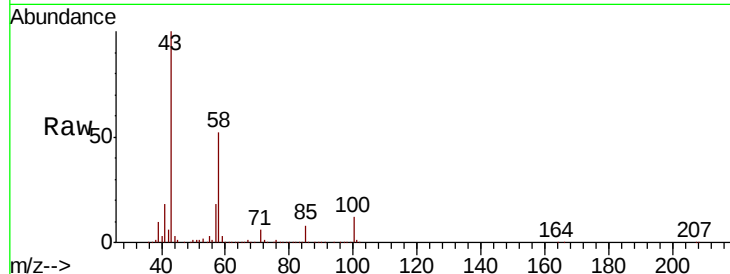




#59
2-Hexanone
Concen: 302.557 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

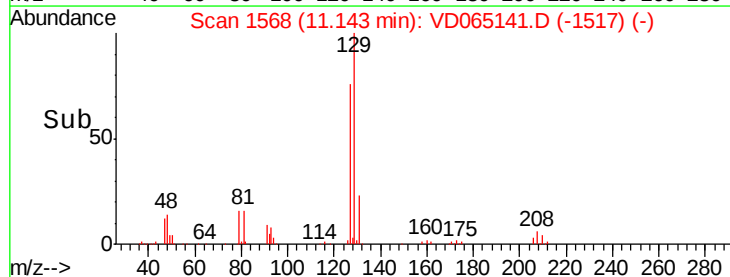
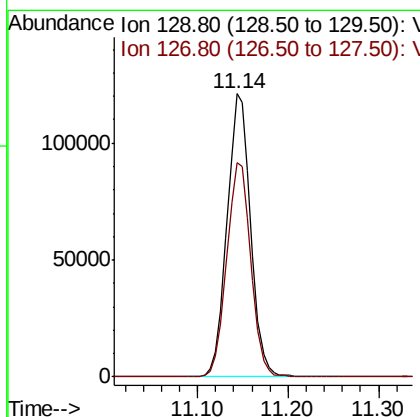
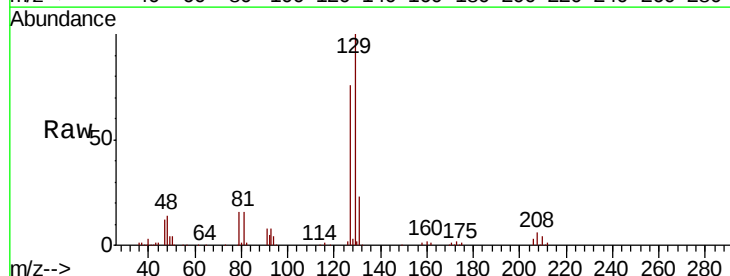
Instrument :
MSVOA_D
ClientSampleId :

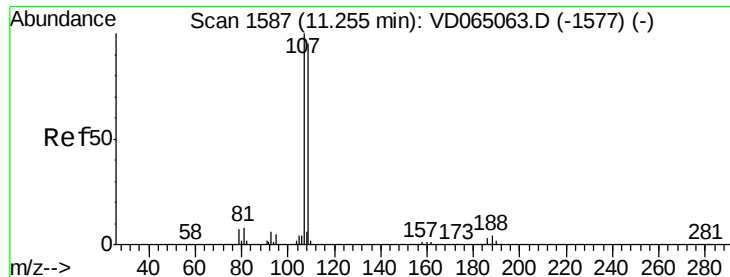
Tot Ion: 43 Resp: 515482
Ion Ratio Lower Upper
43 100
58 52.1 26.2 78.6



#60
Dibromochloromethane
Concen: 56.548 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion: 129 Resp: 218564
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.9

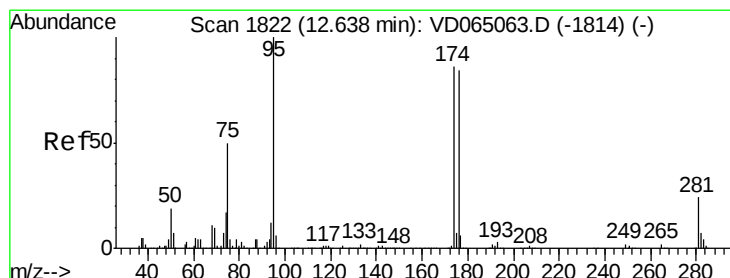
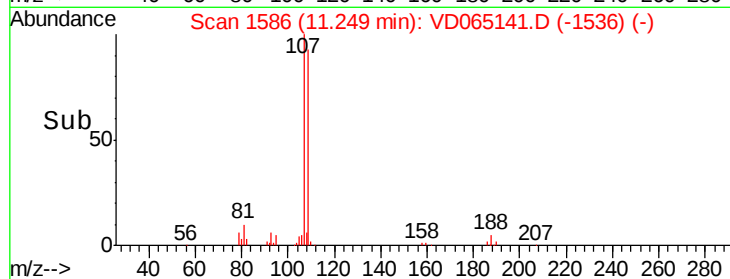
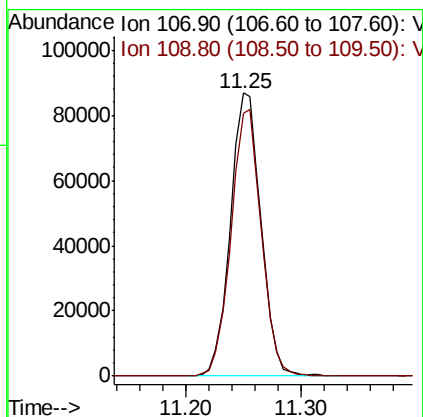
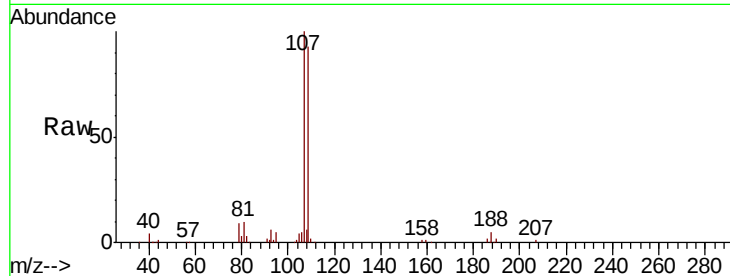




#61
 1,2-Dibromoethane
 Concen: 54.501 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

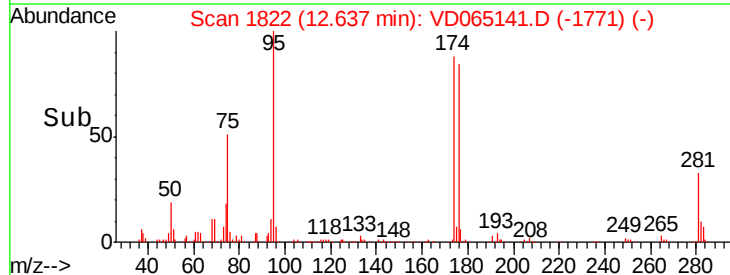
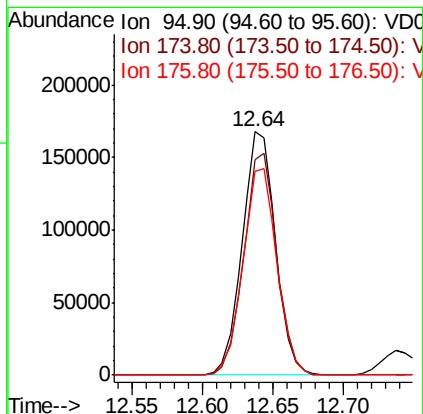
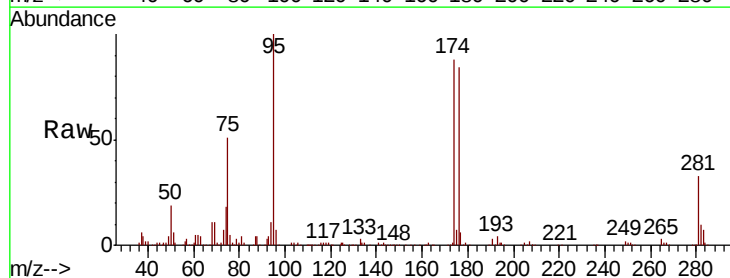
Instrument :
 MSVOA_D
 ClientSampleId :

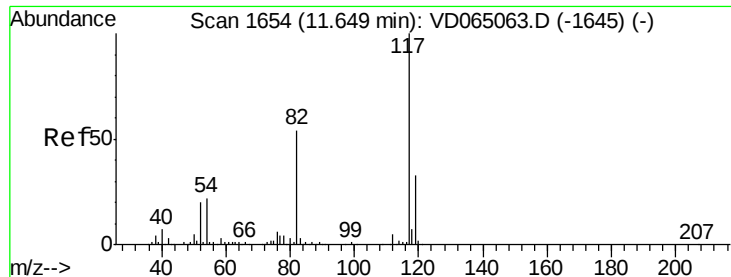
Tot Ion: 107 Resp: 158912
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 58.443 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Tgt Ion: 95 Resp: 276555
 Ion Ratio Lower Upper
 95 100
 174 90.8 0.0 180.0
 176 86.9 0.0 173.2

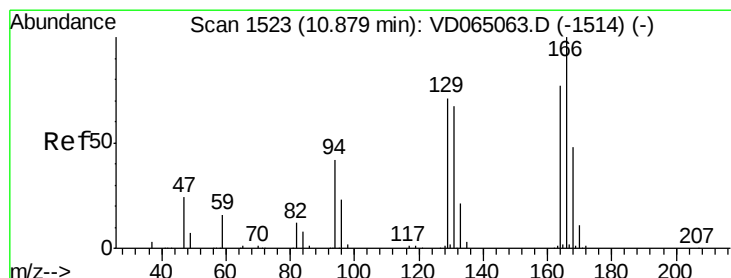
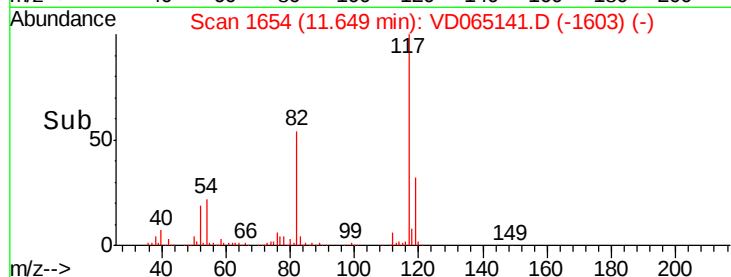
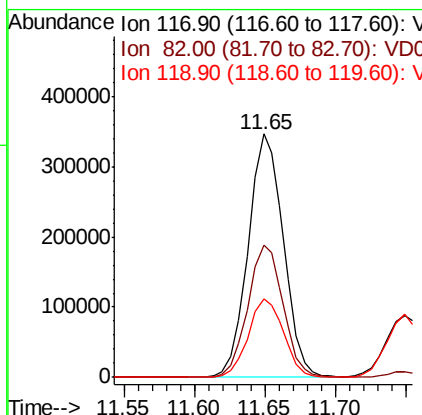
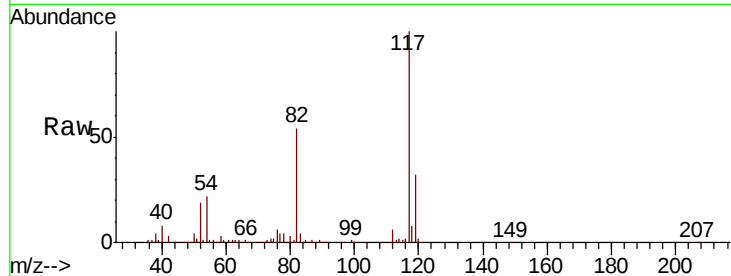




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

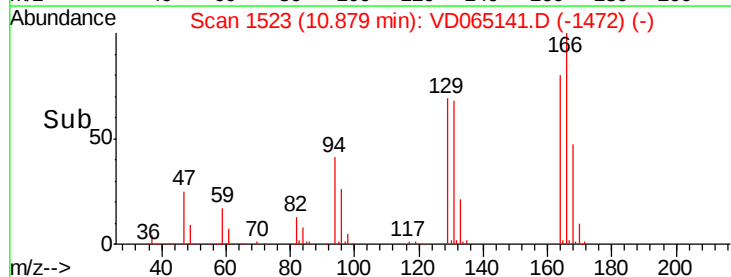
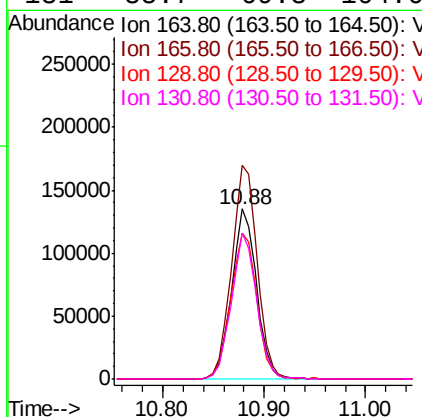
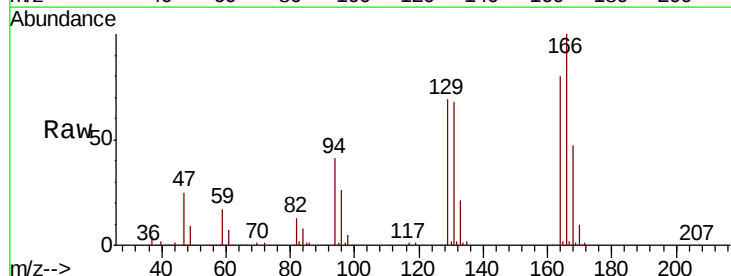
Instrument :
MSVOA_D
ClientSampleId :

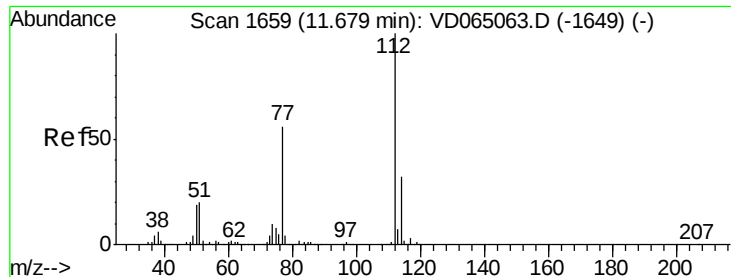
Tot Ion:117 Resp: 607017
Ion Ratio Lower Upper
117 100
82 54.1 43.1 64.7
119 32.5 26.0 39.0



#64
Tetrachloroethene
Concen: 52.908 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion:164 Resp: 230771
Ion Ratio Lower Upper
164 100
166 125.6 103.5 155.3
129 86.2 73.3 109.9
131 85.7 69.8 104.6

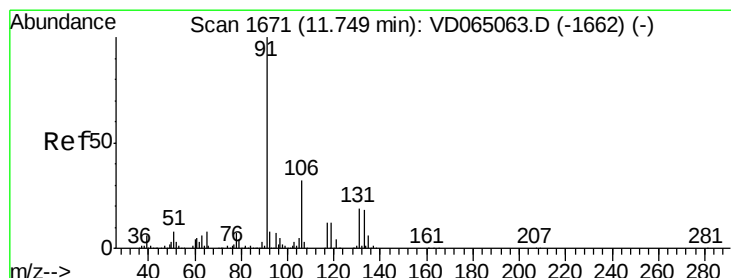
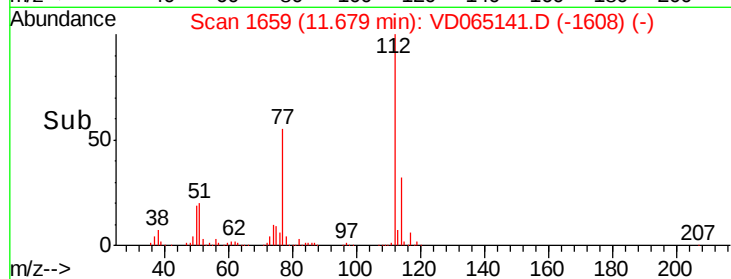
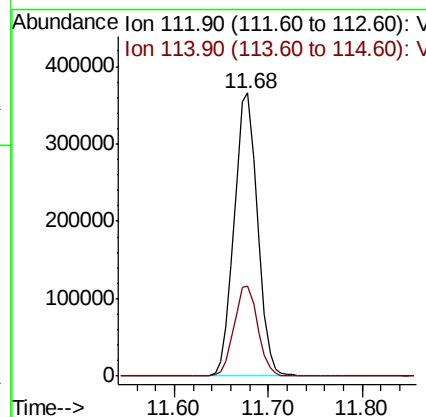
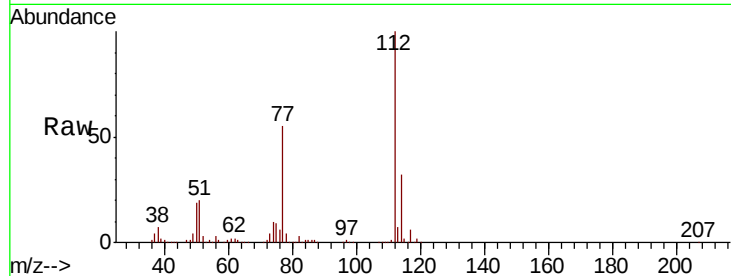




#65
Chlorobenzene
Concen: 53.980 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

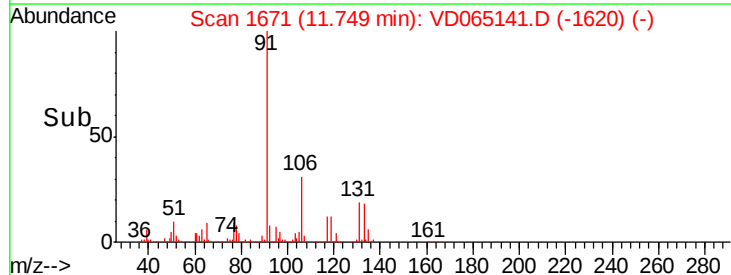
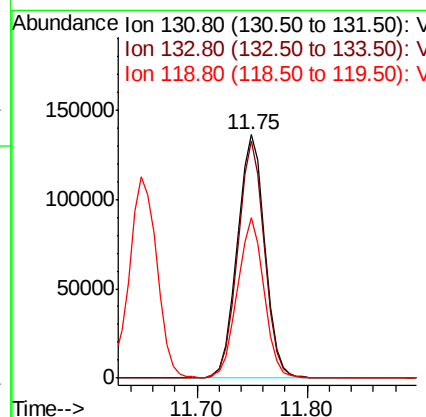
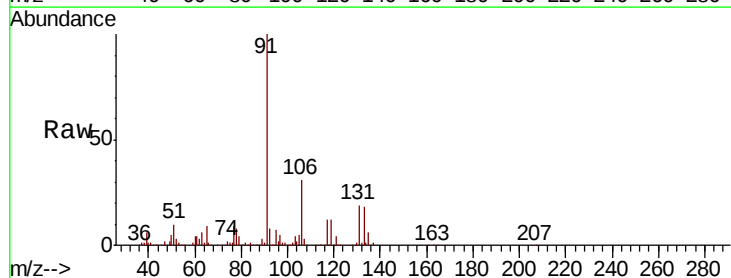
Instrument :
MSVOA_D
ClientSampled :

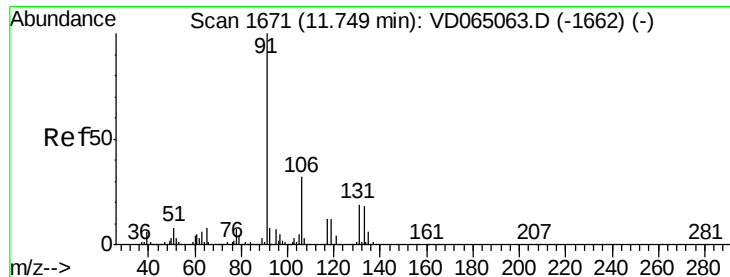
Tot Ion:112 Resp: 633756
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 54.913 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion:131 Resp: 237949
Ion Ratio Lower Upper
131 100
133 94.7 47.7 143.1
119 64.1 31.3 93.8





#67

Ethyl Benzene

Concen: 54.614 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

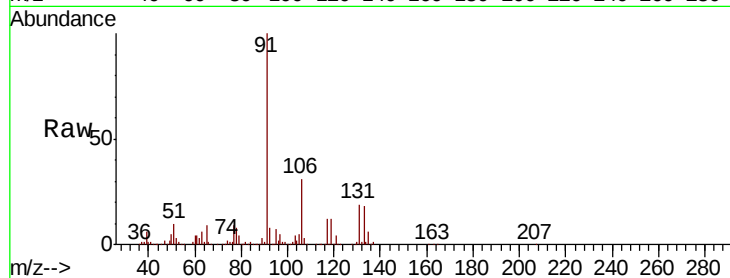
ClientSampleId :

Tot Ion: 91 Resp: 1164936

Ion Ratio Lower Upper

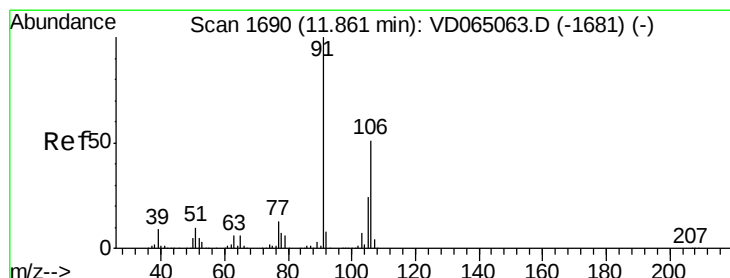
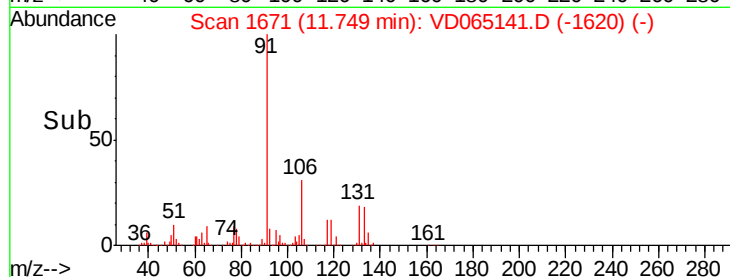
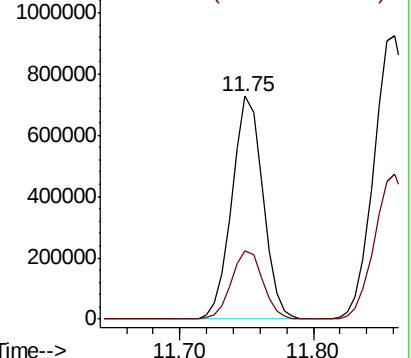
91 100

106 30.6 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VD065141.D (-1670) (-)

Ion 106.00 (105.70 to 106.70): VD065141.D (-1670) (-)



#68

m/p-Xylenes

Concen: 109.981 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065141.D

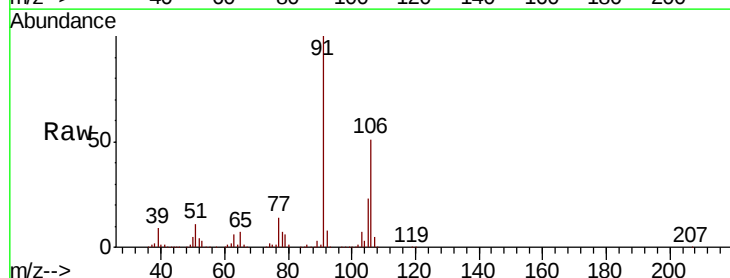
Acq: 11 Feb 2020 10:32

Tgt Ion: 106 Resp: 895385

Ion Ratio Lower Upper

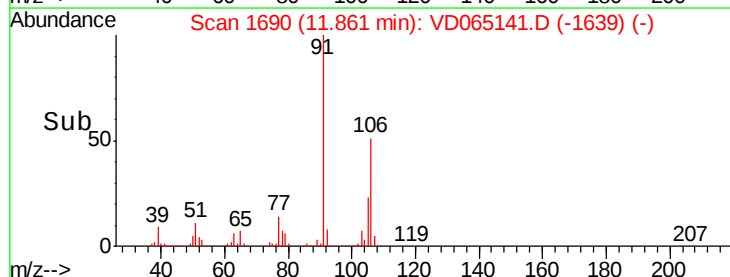
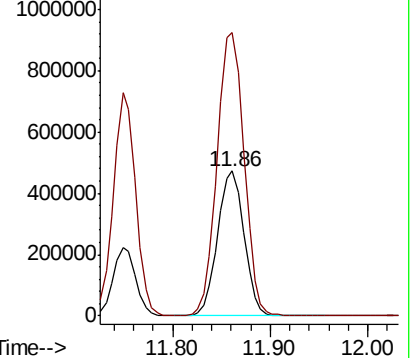
106 100

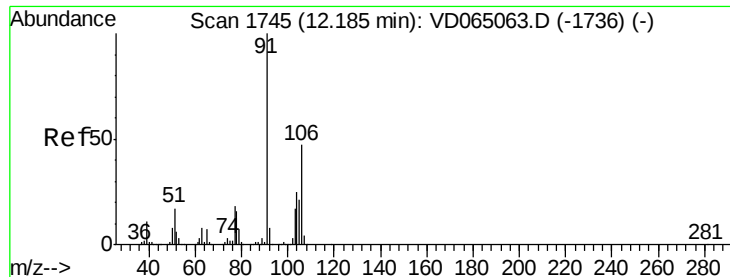
91 199.2 158.9 238.3



Abundance Ion 106.00 (105.70 to 106.70): VD065141.D (-1689) (-)

Ion 91.00 (90.70 to 91.70): VD065141.D (-1689) (-)

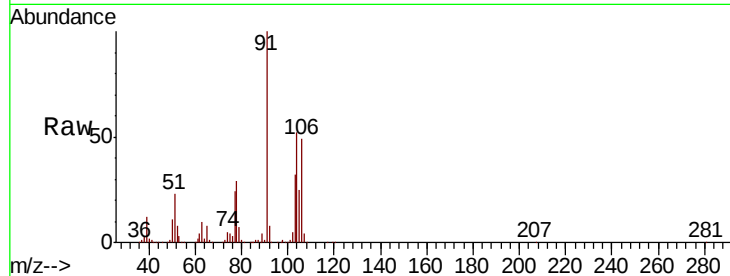




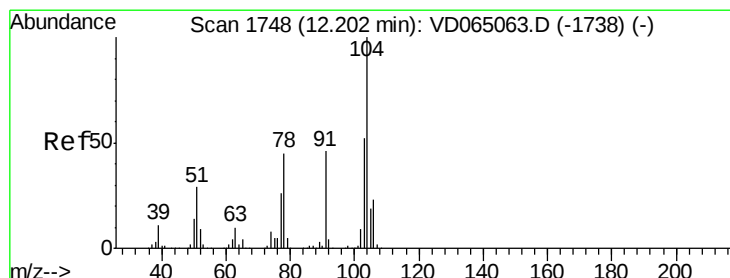
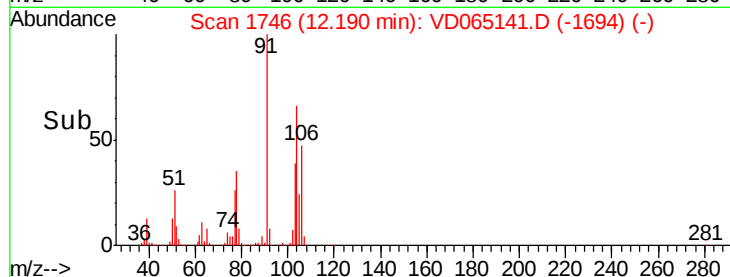
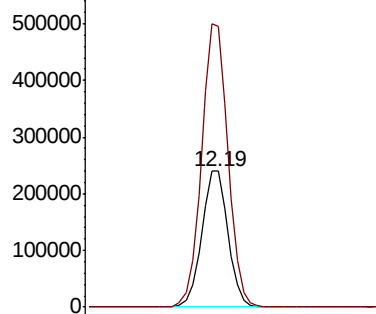
#69
o-Xylene
Concen: 54.660 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 400734
Ion Ratio Lower Upper
106 100
91 208.4 104.7 313.9

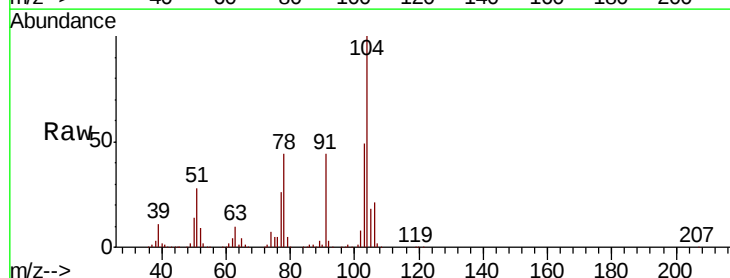


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

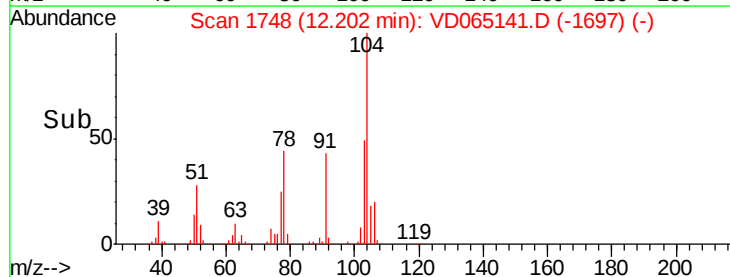
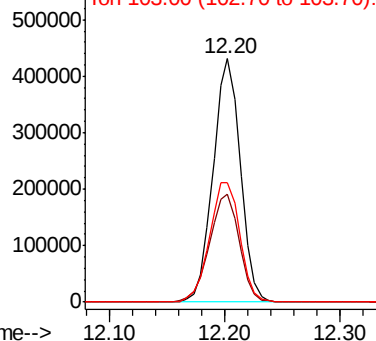


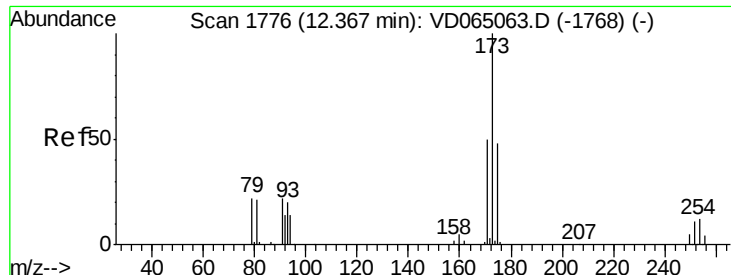
#70
Styrene
Concen: 55.648 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion:104 Resp: 709064
Ion Ratio Lower Upper
104 100
78 48.3 38.5 57.7
103 54.8 43.8 65.8



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

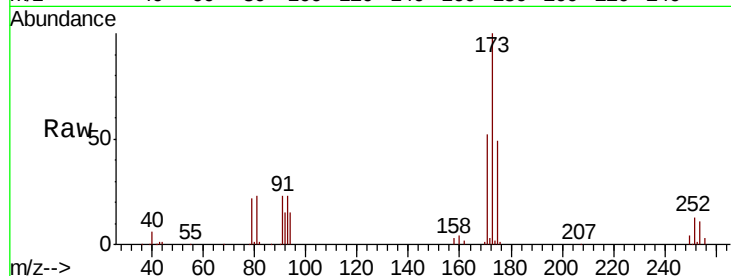




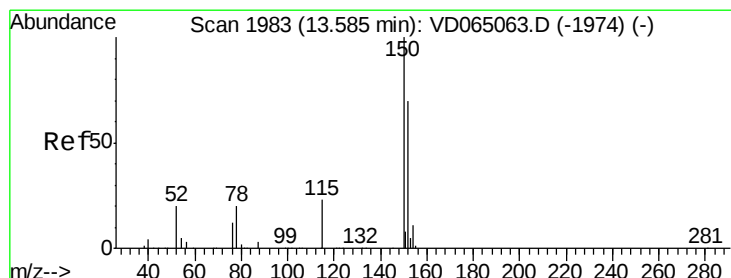
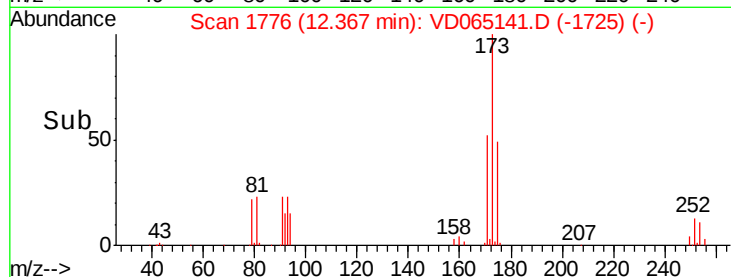
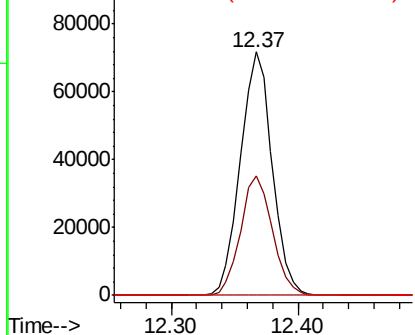
#71
Bromoform
Concen: 53.565 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 124932
Ion Ratio Lower Upper
173 100
175 49.0 24.3 72.8
254 0.0 0.1 0.1#

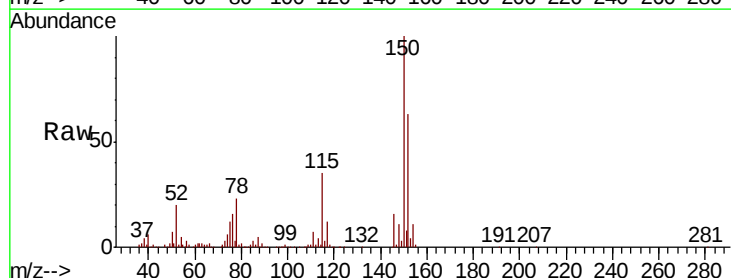


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

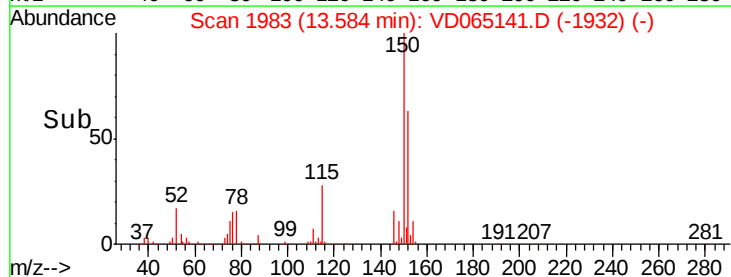
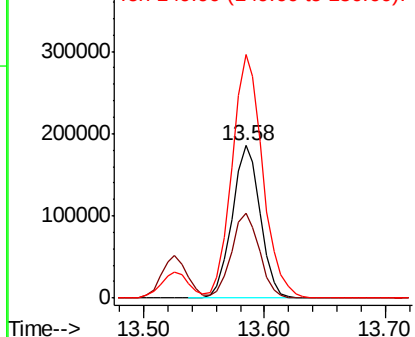


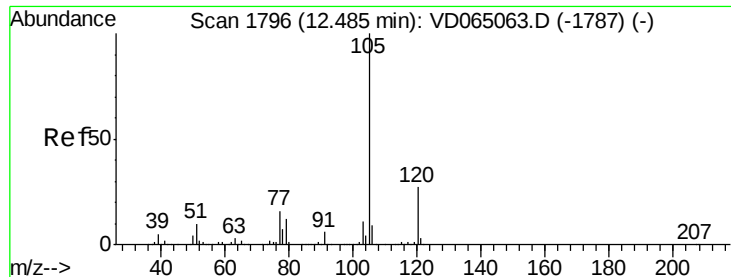
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion:152 Resp: 300839
Ion Ratio Lower Upper
152 100
115 55.4 27.5 82.4
150 173.7 0.0 343.2



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





#73

Isopropylbenzene

Concen: 52.748 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

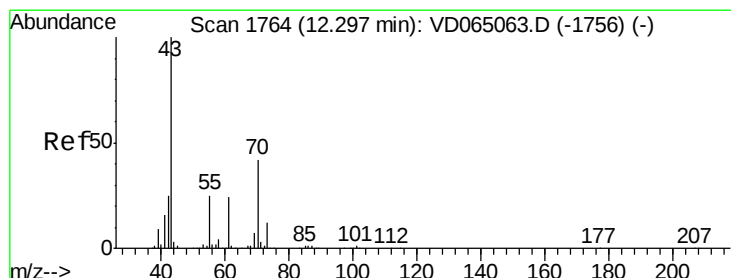
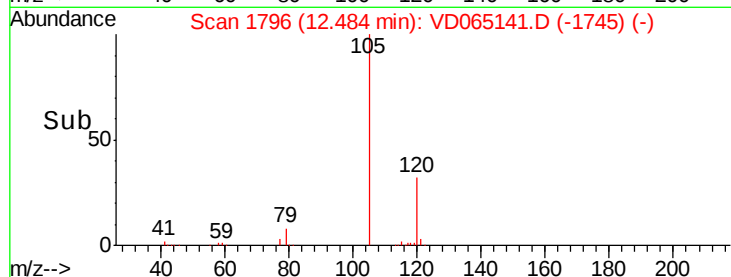
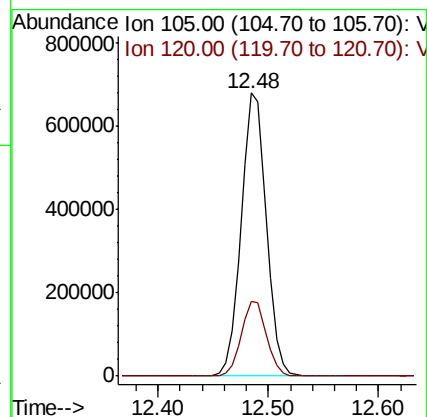
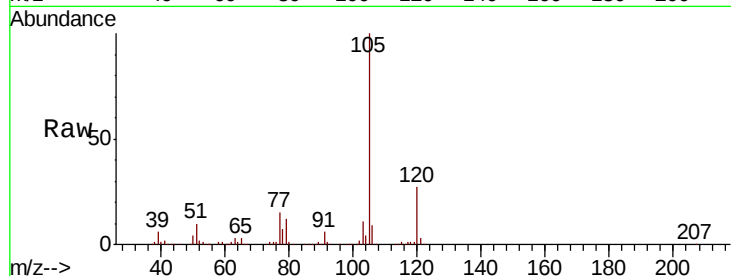
ClientSampleId :

Tot Ion:105 Resp: 1089166

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.9



#74

N-ethyl acetate

Concen: 49.939 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Tgt Ion: 43 Resp: 224130

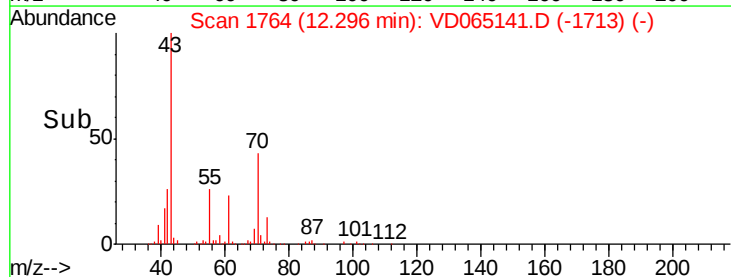
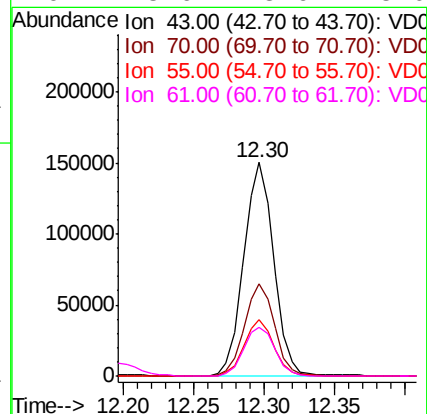
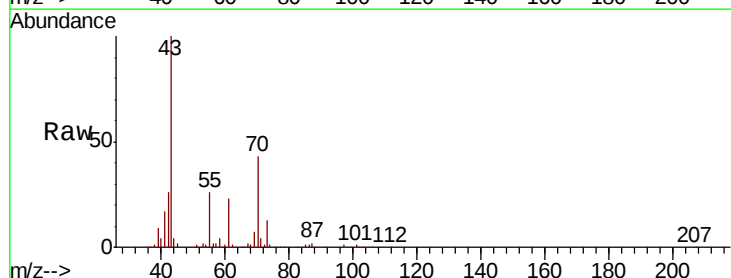
Ion Ratio Lower Upper

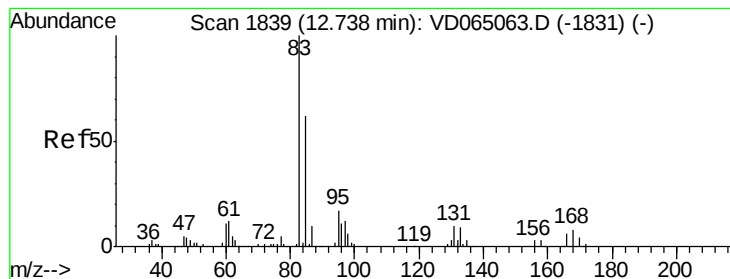
43 100

70 43.4 33.5 50.3

55 26.3 19.4 29.2

61 23.6 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.253 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

ClientSampleId :

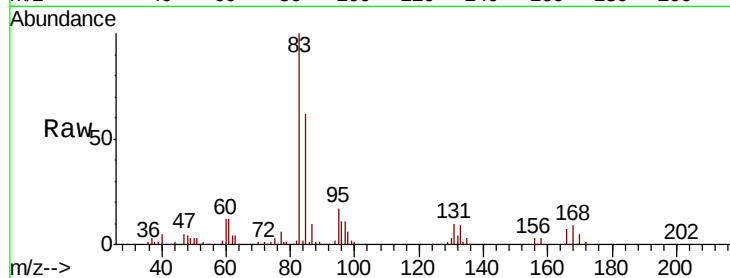
Tot Ion: 83 Resp: 169810

Ion Ratio Lower Upper

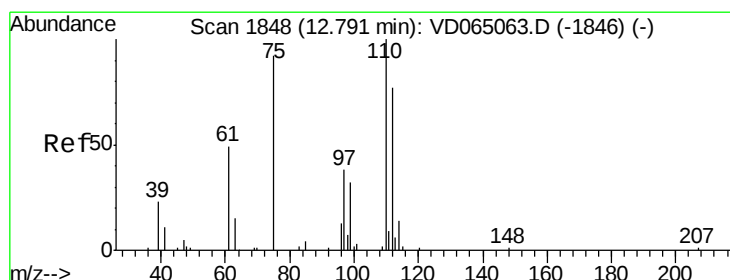
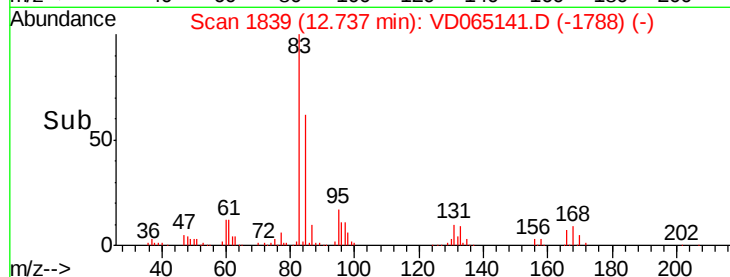
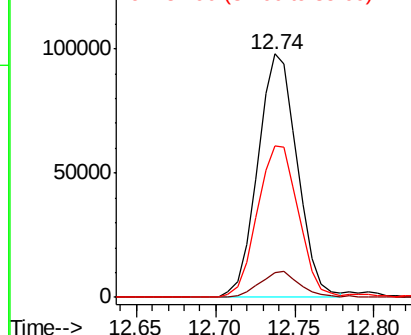
83 100

131 11.0 5.5 16.4

85 64.6 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: 102.128 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065141.D

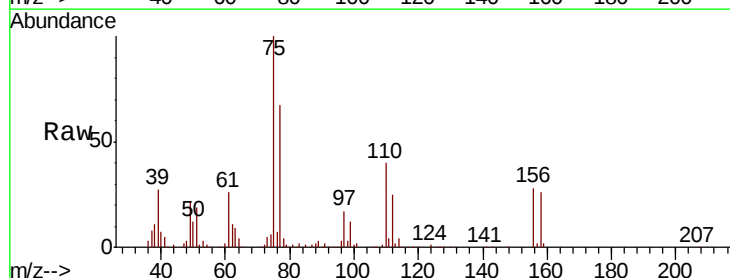
Acq: 11 Feb 2020 10:32

Tgt Ion: 75 Resp: 232614

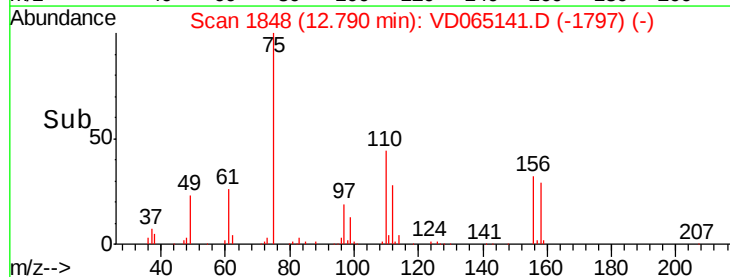
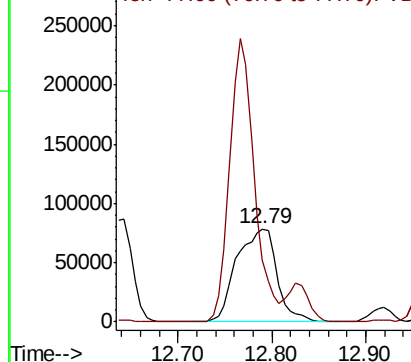
Ion Ratio Lower Upper

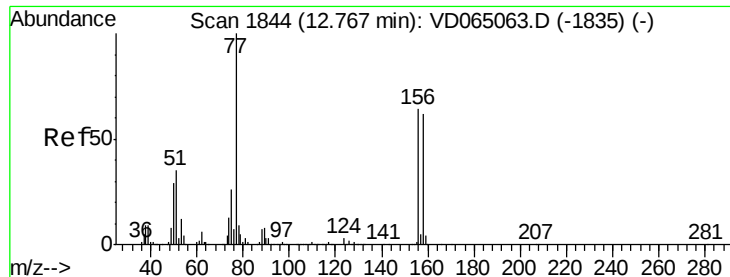
75 100

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: 51.198 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

ClientSampled :

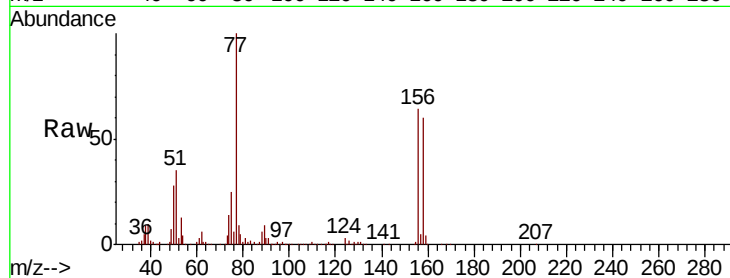
Tot Ion:156 Resp: 254704

Ion Ratio Lower Upper

156 100

77 171.9 85.6 256.8

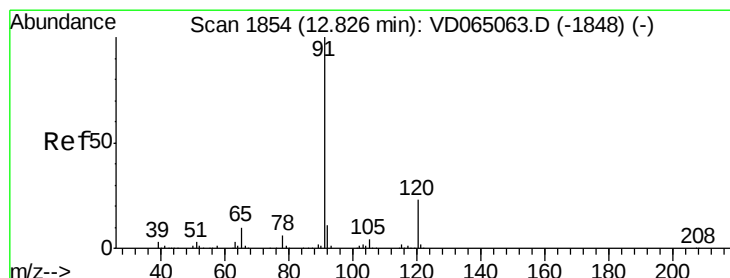
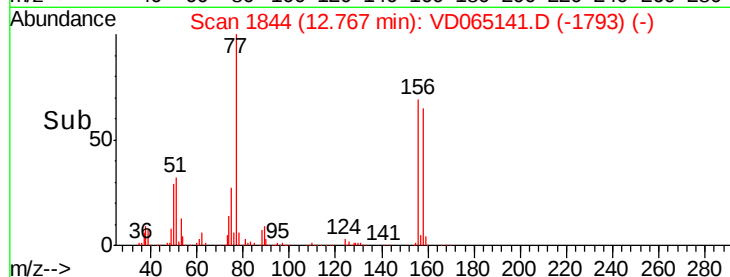
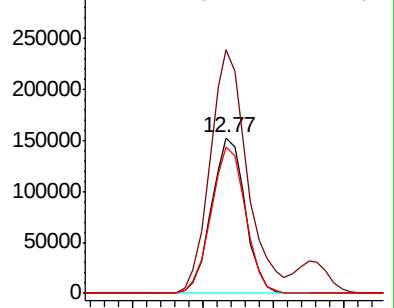
158 96.3 47.4 142.2



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: 53.744 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065141.D

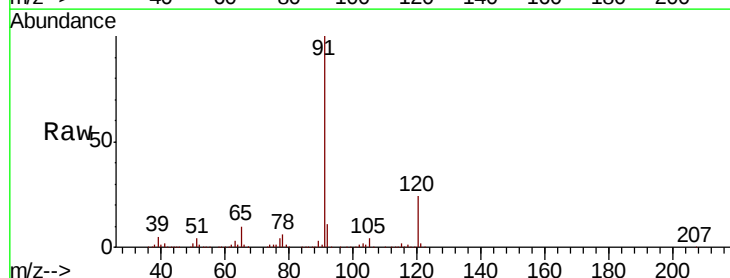
Acq: 11 Feb 2020 10:32

Tgt Ion: 91 Resp: 1299599

Ion Ratio Lower Upper

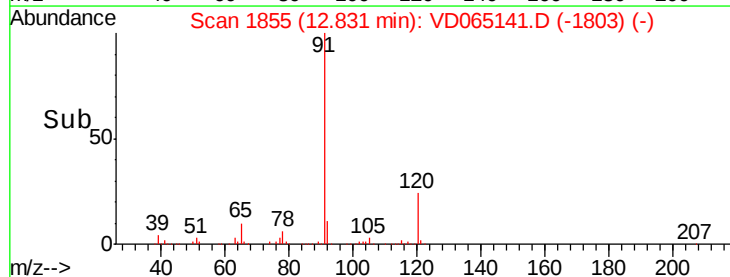
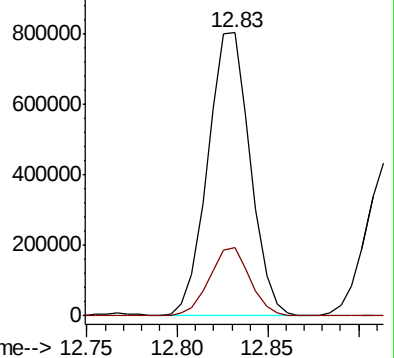
91 100

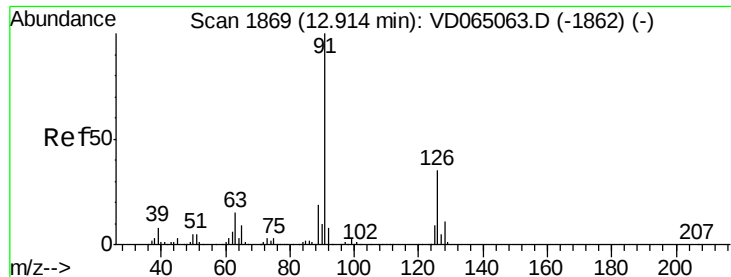
120 23.2 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

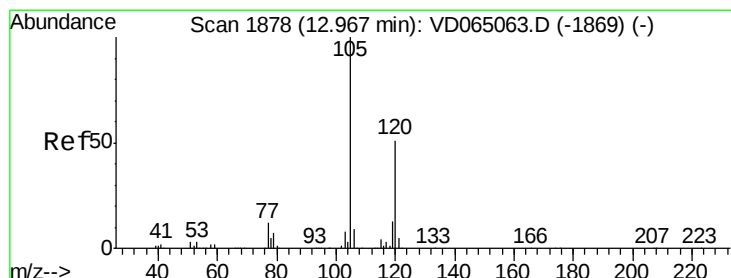
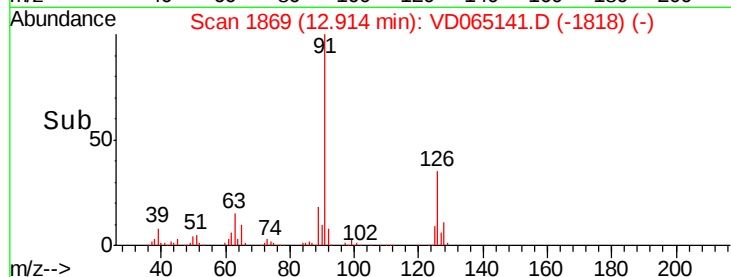
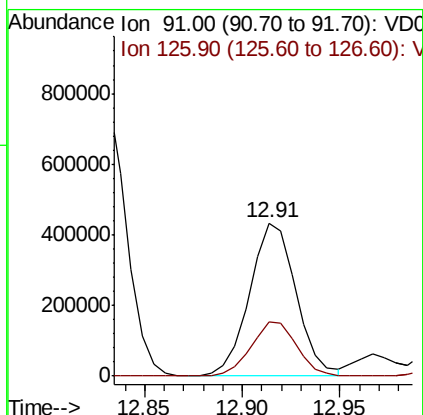
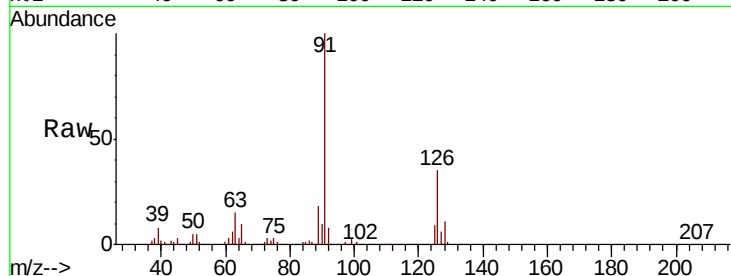




#79
 2-Chlorotoluene
 Concen: 52.744 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

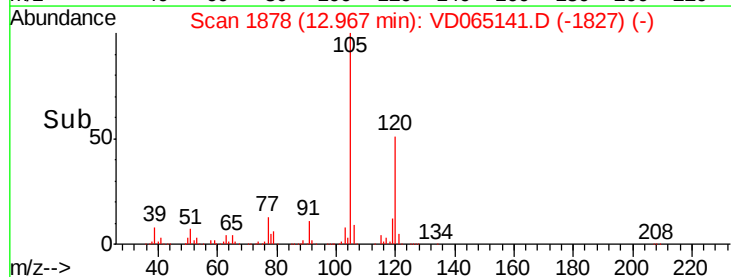
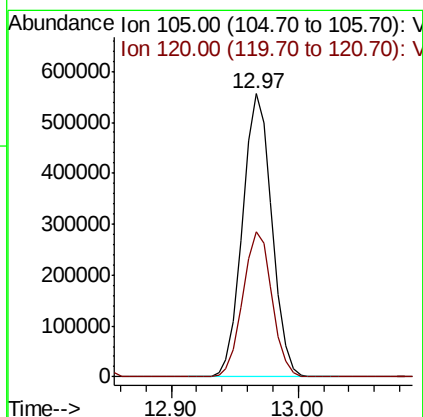
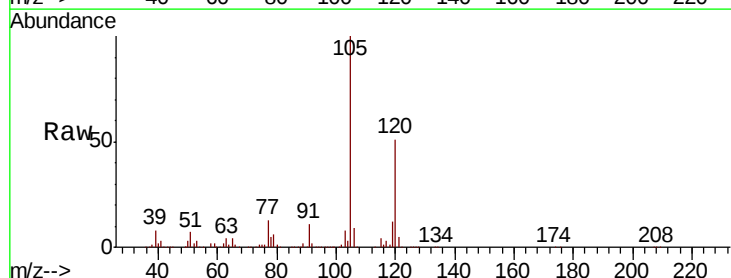
Instrument :
 MSVOA_D
 ClientSampled :

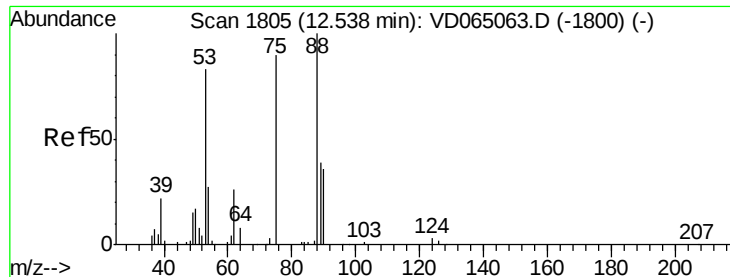
Tot Ion: 91 Resp: 710928
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 52.689 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Tgt Ion: 105 Resp: 890062
 Ion Ratio Lower Upper
 105 100
 120 51.2 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 52.741 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

ClientSampled :

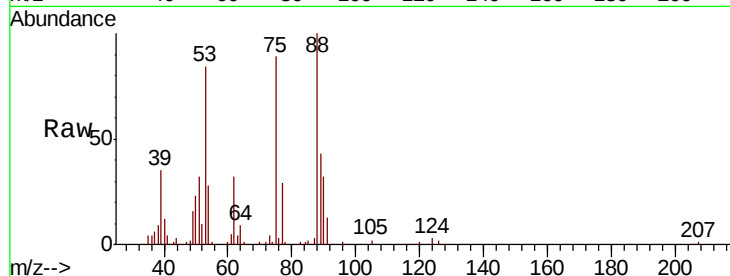
Tot Ion: 75 Resp: 60066

Ion Ratio Lower Upper

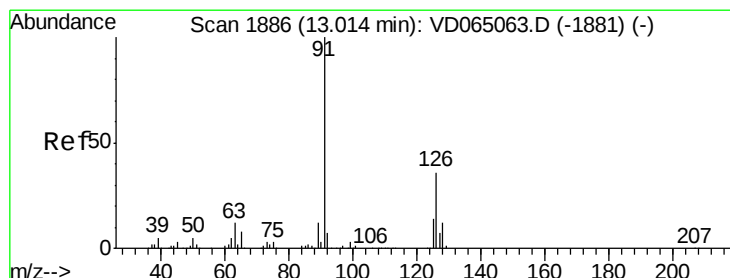
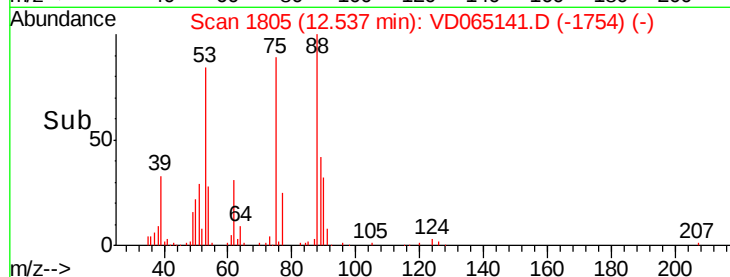
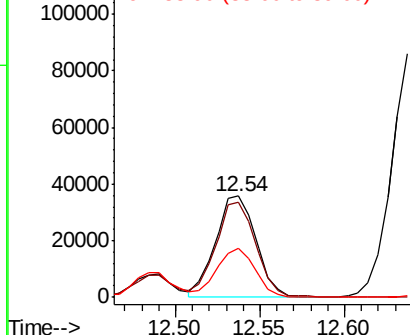
75 100

53 93.1 78.5 117.7

89 46.3 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 52.786 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065141.D

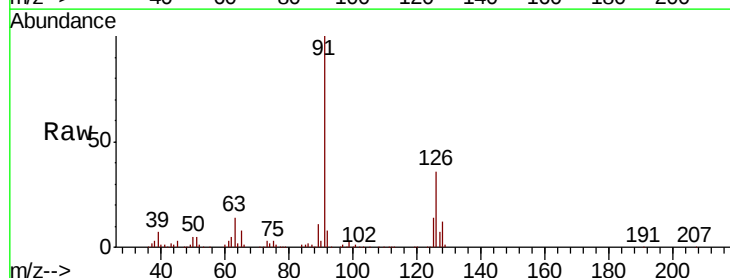
Acq: 11 Feb 2020 10:32

Tgt Ion: 91 Resp: 747244

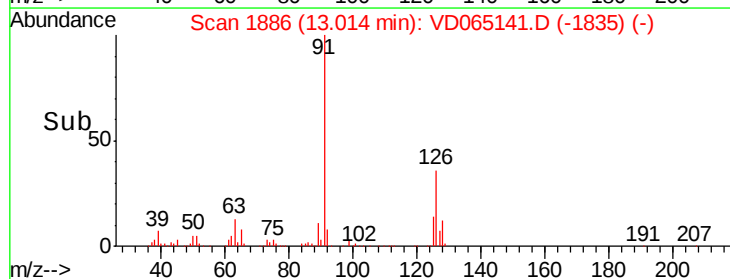
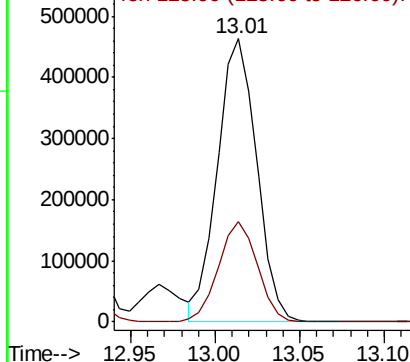
Ion Ratio Lower Upper

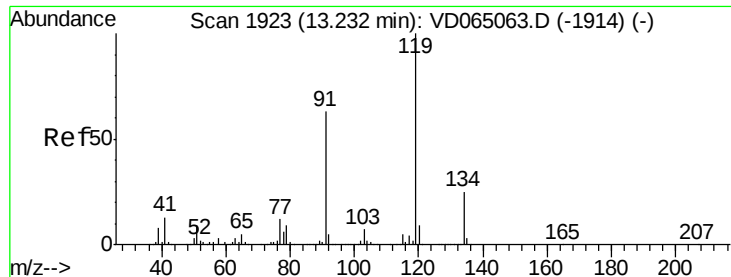
91 100

126 35.3 17.5 52.5



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

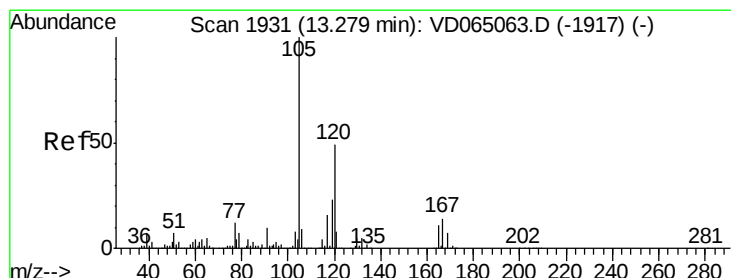
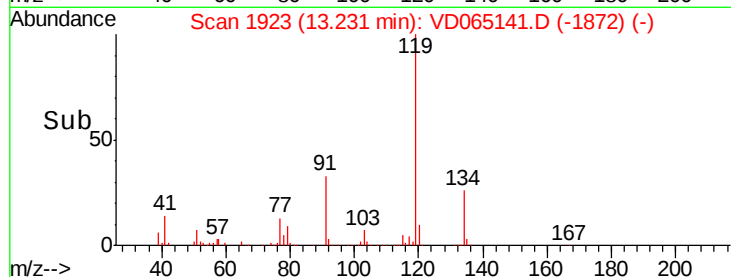
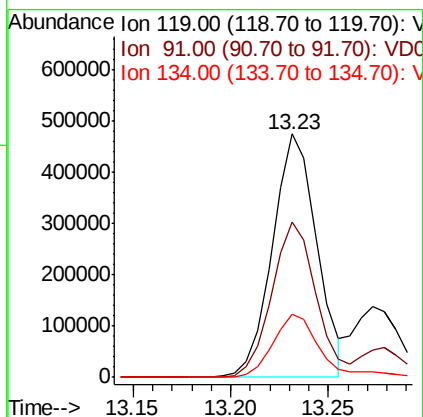
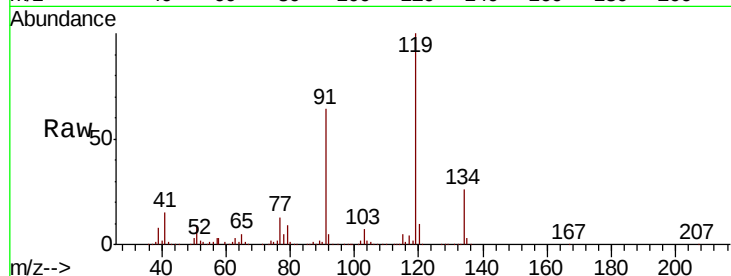




#83
tert-Butylbenzene
Concen: 51.316 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

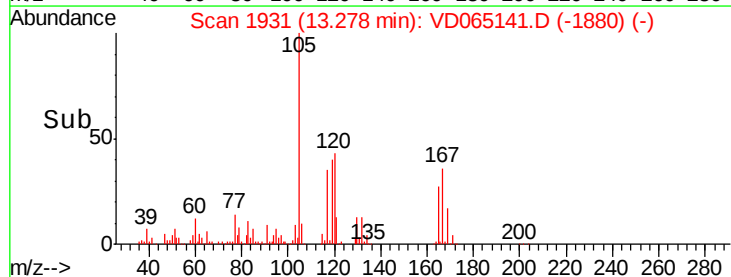
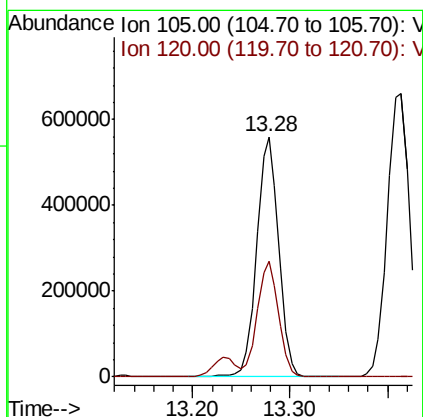
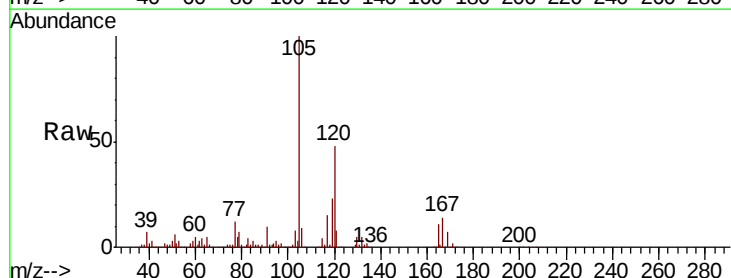
Instrument :
MSVOA_D
ClientSampleId :

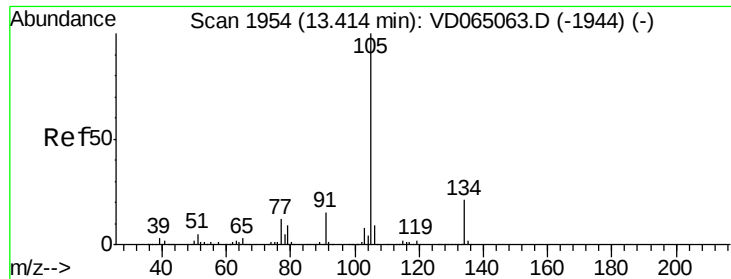
Tot Ion:119 Resp: 747860
Ion Ratio Lower Upper
119 100
91 63.8 32.3 96.9
134 27.7 13.8 41.3



#84
1,2,4-Trimethylbenzene
Concen: 52.921 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion:105 Resp: 887520
Ion Ratio Lower Upper
105 100
120 46.7 23.5 70.5

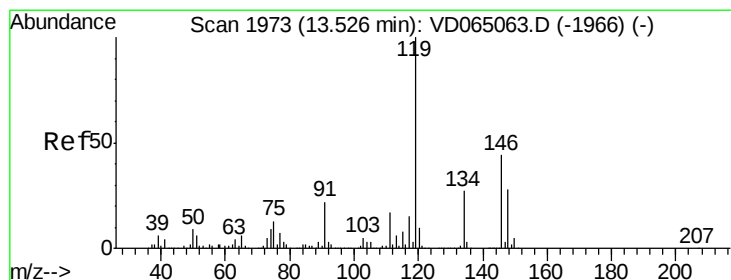
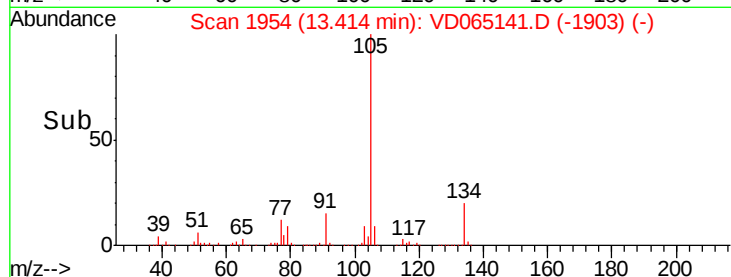
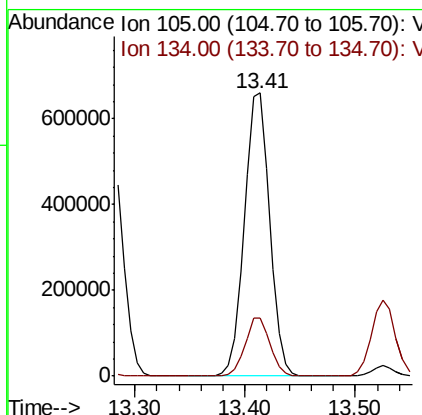
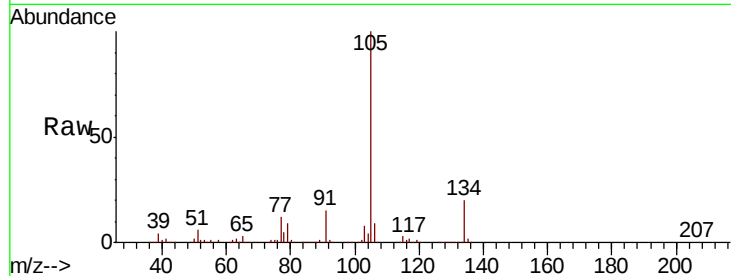




#85
 sec-Butylbenzene
 Concen: 53.521 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

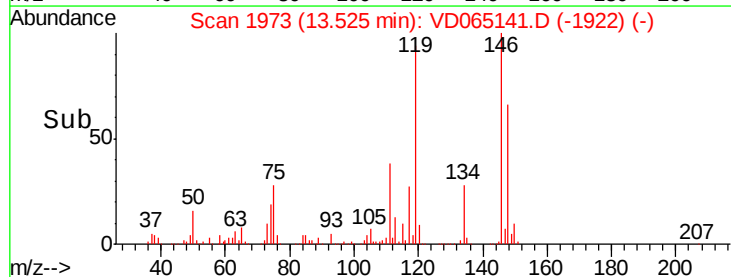
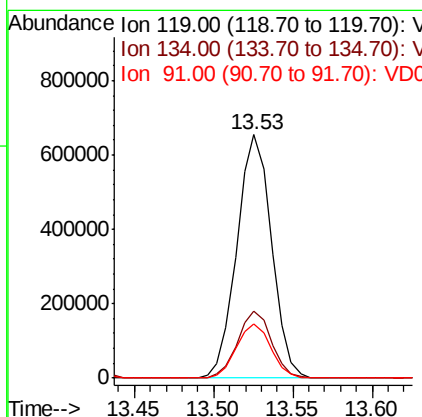
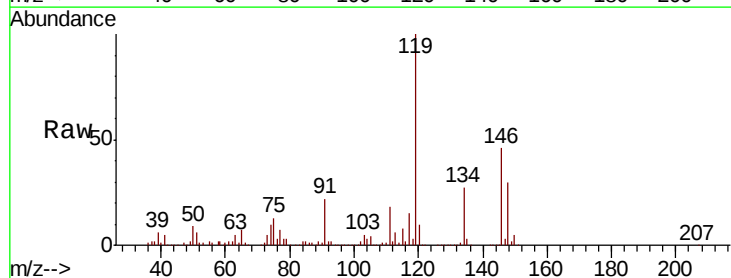
Instrument :
 MSVOA_D
 ClientSampleId :

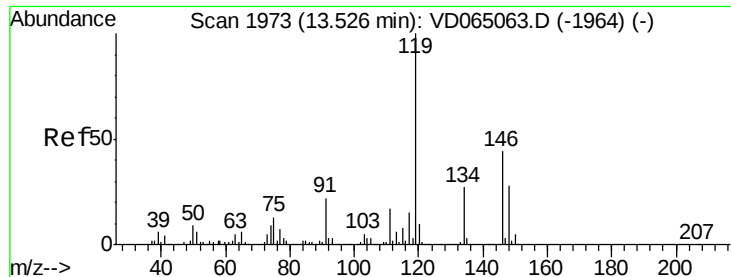
Tot Ion:105 Resp: 1065333
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 53.566 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Tgt Ion:119 Resp: 990648
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.5 40.5
 91 22.2 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 52.653 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065141.D

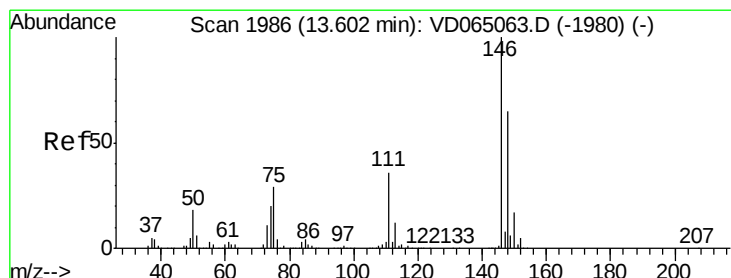
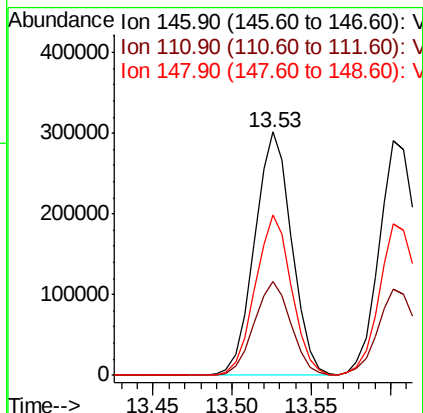
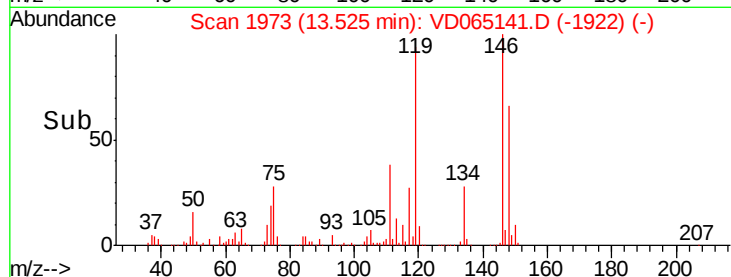
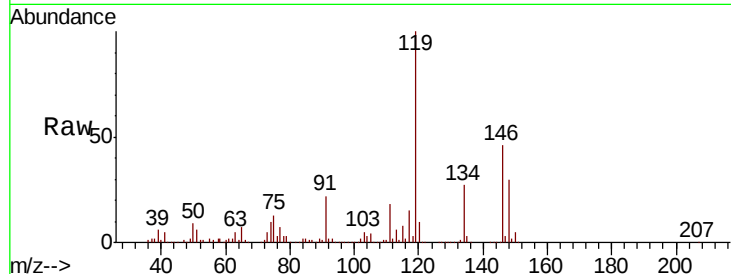
Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:	146	Resp:	490442
Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.4	58.4
148	64.5	32.3	96.8



#88

1,4-Dichlorobenzene

Concen: 51.974 ug/l

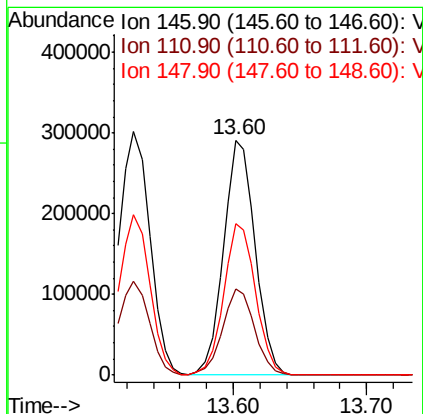
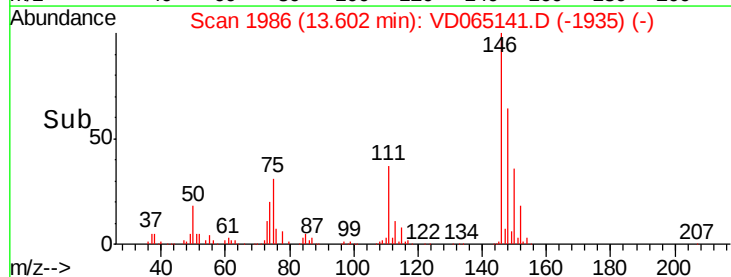
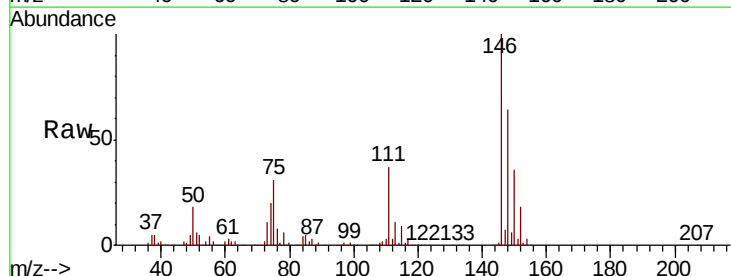
RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Tgt Ion:	146	Resp:	481833
Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.5	55.5
148	64.7	32.7	98.1

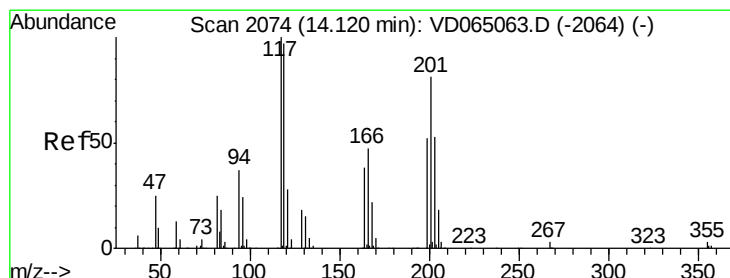
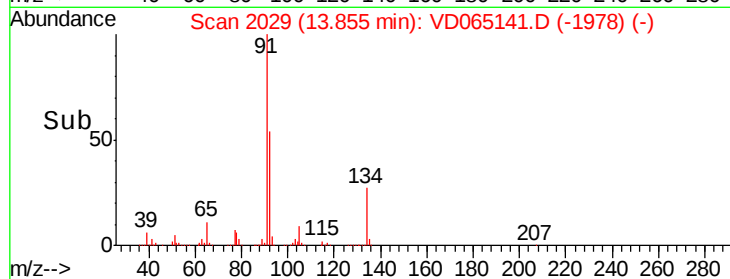
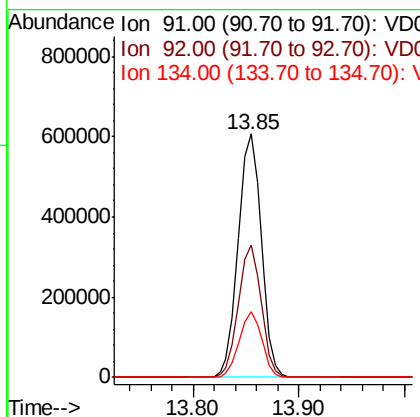
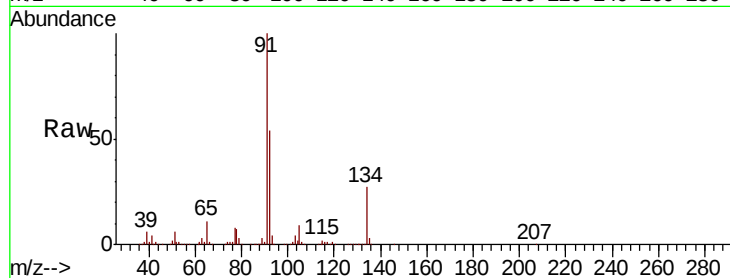




#89
n-Butylbenzene
Concen: 53.667 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

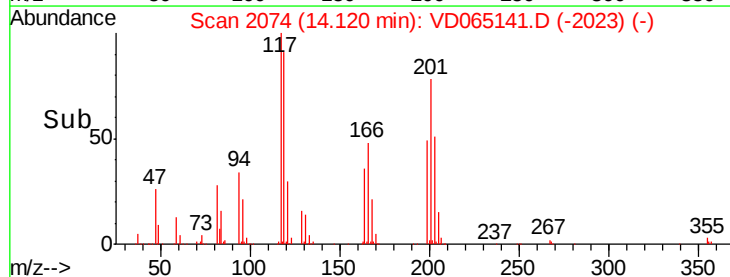
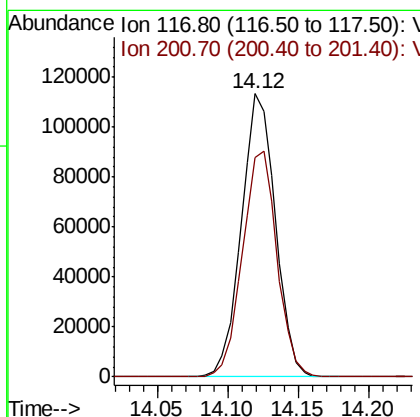
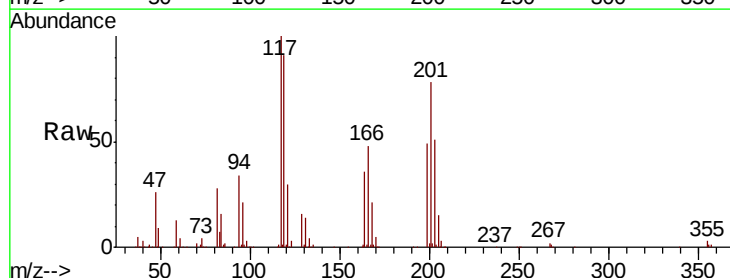
Instrument :
MSVOA_D
ClientSampled :

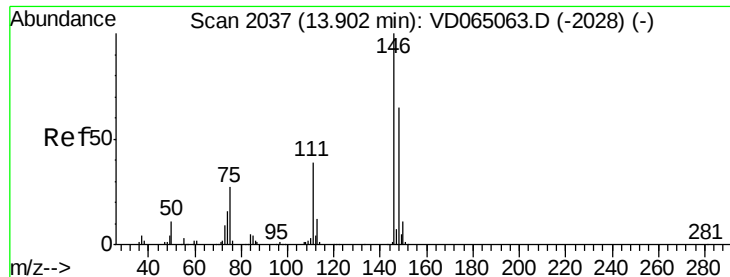
Tot Ion: 91 Resp: 916087
Ion Ratio Lower Upper
91 100
92 53.5 26.7 80.1
134 26.6 13.4 40.2



#90
Hexachloroethane
Concen: 54.556 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion: 117 Resp: 191057
Ion Ratio Lower Upper
117 100
201 81.2 42.5 127.6

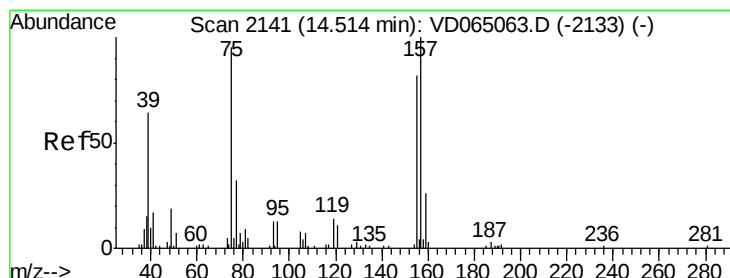
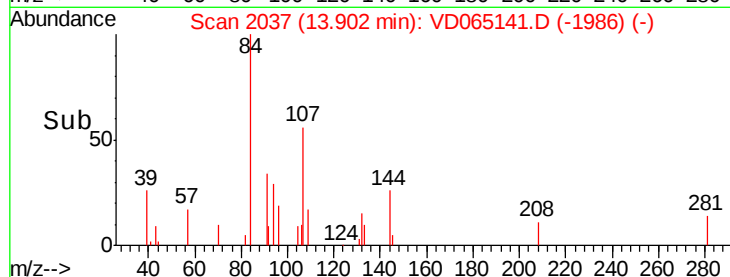
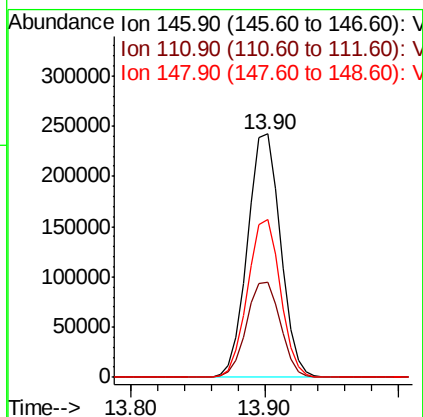
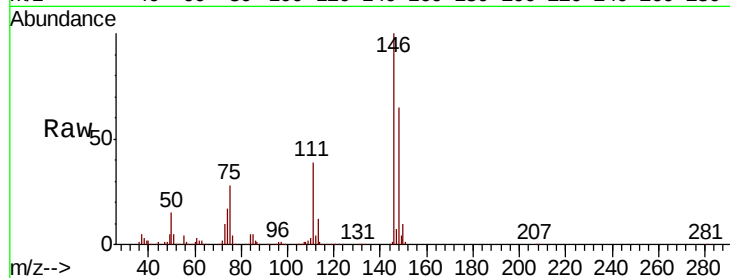




#91
 1,2-Dichlorobenzene
 Concen: 51.781 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

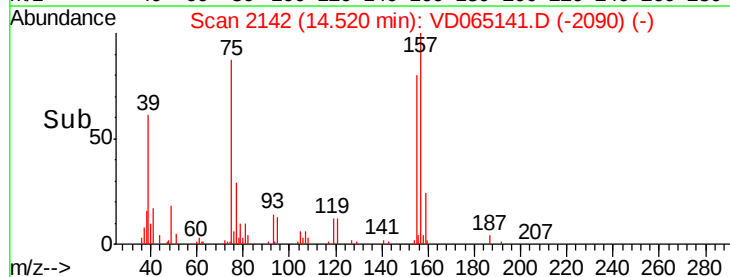
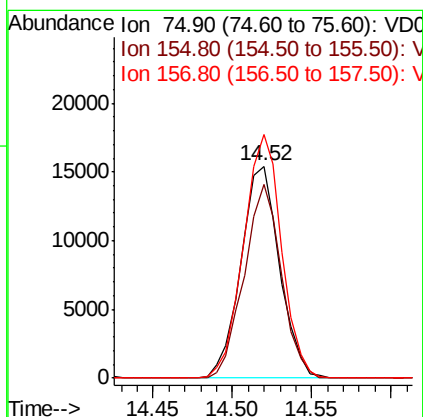
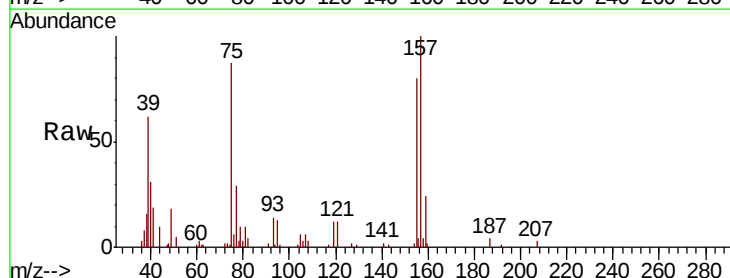
Instrument :
 MSVOA_D
 ClientSampleId :

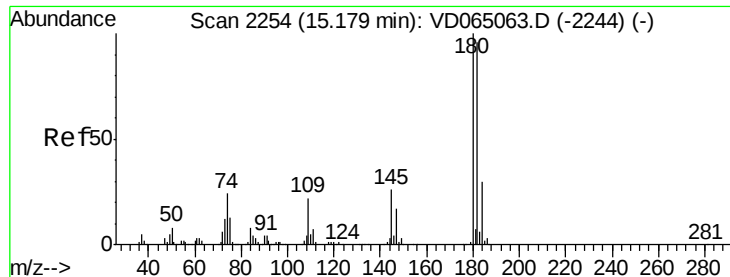
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.7	59.1
148	64.3	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.310 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.4	43.4	130.1
157	113.0	55.8	167.3

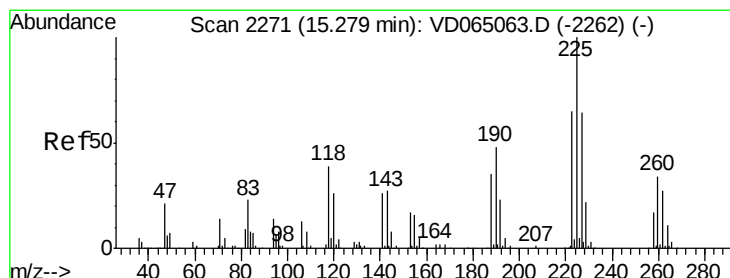
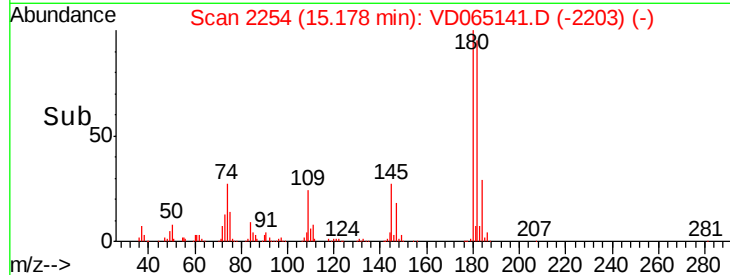
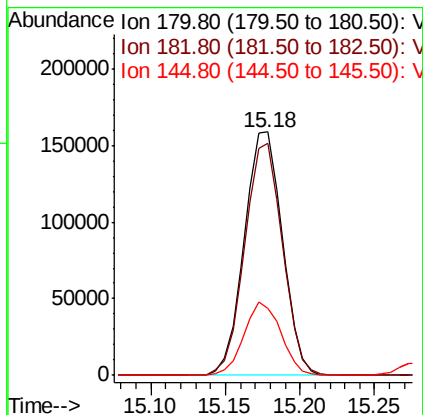
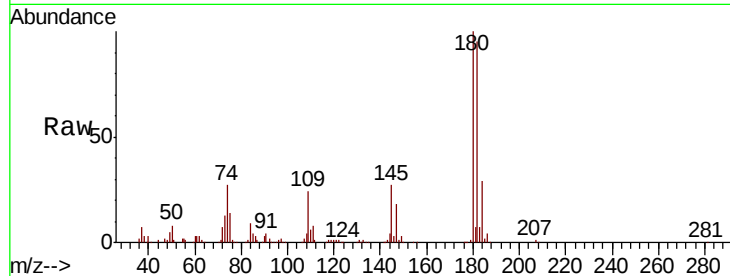




#93
 1,2,4-Trichlorobenzene
 Concen: 49.151 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

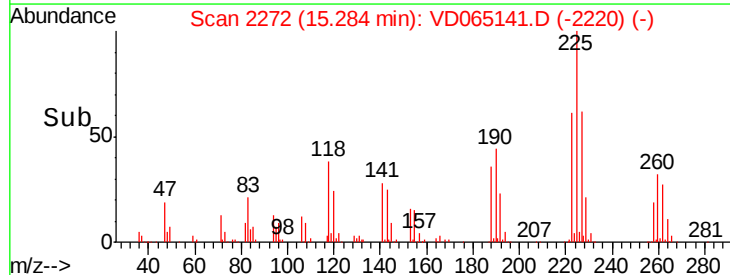
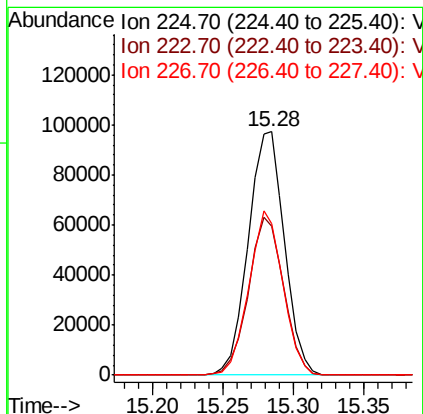
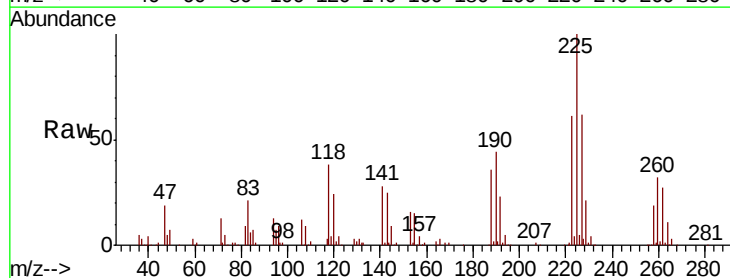
Instrument :
 MSVOA_D
 ClientSampled :

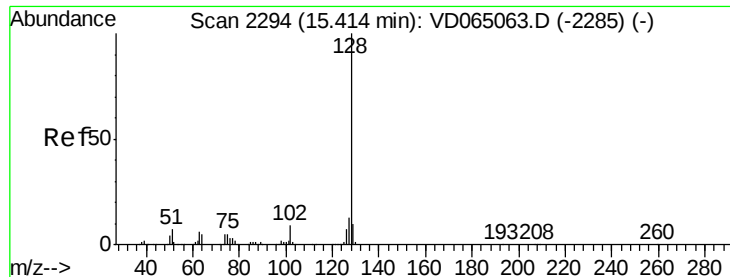
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.4	142.3
145	28.9	14.1	42.4



#94
 Hexachlorobutadiene
 Concen: 49.842 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.4	94.0
227	63.5	31.8	95.3

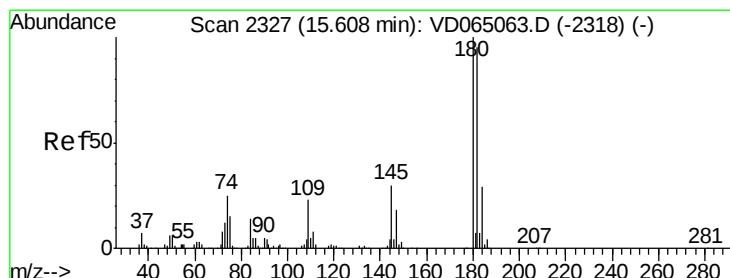
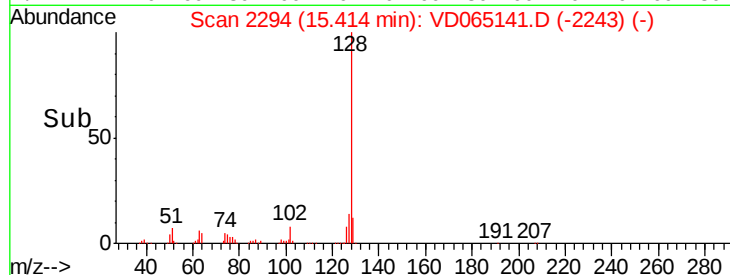
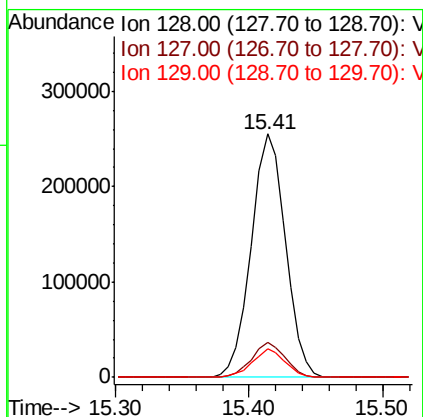
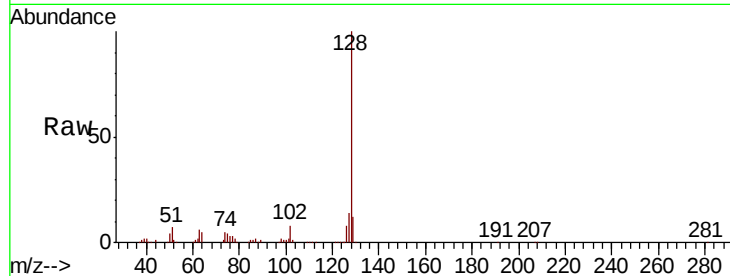




#95
Naphthalene
Concen: 47.805 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 453083
Ion Ratio Lower Upper
128 100
127 13.8 10.6 15.8
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 49.055 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion:180 Resp: 239271
Ion Ratio Lower Upper
180 100
182 94.3 47.1 141.4
145 30.2 14.9 44.9

