

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021020\
 Data File : VD065127.D
 Acq On : 10 Feb 2020 12:27
 Operator : VA/SY
 Sample : VD0210SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 11 08:05:36 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	470142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	703708	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	620268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	305457	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	211835	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
35) Dibromofluoromethane	7.92	113	210761	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
50) Toluene-d8	10.34	98	832206	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
62) 4-Bromofluorobenzene	12.64	95	256831	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77804	19.887	ug/l	93
3) Chloromethane	2.21	50	98469	21.381	ug/l	91
4) Vinyl Chloride	2.35	62	102851	21.117	ug/l	95
5) Bromomethane	2.76	94	63859	20.221	ug/l	97
6) Chloroethane	2.92	64	62438	20.666	ug/l	98
7) Trichlorofluoromethane	3.27	101	145510	20.529	ug/l	97
8) Diethyl Ether	3.71	74	39204	19.266	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	87029	20.084	ug/l	100
10) Methyl Iodide	4.29	142	86877	17.566	ug/l	98
11) Tert butyl alcohol	5.25	59	21732	89.015	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	82342	19.841	ug/l	99
13) Acrolein	3.93	56	28056	93.432	ug/l	99
14) Allyl chloride	4.71	41	131185	19.020	ug/l	99
15) Acrylonitrile	5.43	53	86281	96.986	ug/l	99
16) Acetone	4.17	43	93688	93.780	ug/l	95
17) Carbon Disulfide	4.40	76	261556	19.629	ug/l	100
18) Methyl Acetate	4.72	43	45216	21.663	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	166852	18.181	ug/l	97
20) Methylene Chloride	4.96	84	97433	19.767	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	91723	19.535	ug/l	97
22) Diisopropyl ether	6.37	45	261207	20.078	ug/l	99
23) Vinyl Acetate	6.31	43	664707	91.665	ug/l	99
24) 1,1-Dichloroethane	6.27	63	158540	20.133	ug/l	97
25) 2-Butanone	7.23	43	111553	93.610	ug/l	100
26) 2,2-Dichloropropane	7.21	77	145881	20.668	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	97282	19.503	ug/l	98
28) Bromochloromethane	7.55	49	58964	19.753	ug/l	99
29) Tetrahydrofuran	7.57	42	69851	96.927	ug/l	98
30) Chloroform	7.71	83	159358	20.324	ug/l	96
31) Cyclohexane	7.98	56	153193	19.272	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	146602	20.072	ug/l	99
36) 1,1-Dichloropropene	8.12	75	129328	19.765	ug/l	98
37) Ethyl Acetate	7.30	43	49358	18.464	ug/l	99
38) Carbon Tetrachloride	8.10	117	133281	19.943	ug/l	96

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 11 08:05:36 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)
39) Methylcyclohexane	9.36	83	149152	18.467	ug/l	98
40) Benzene	8.36	78	356250	19.716	ug/l	98
41) Methacrylonitrile	7.53	41	28000	19.012	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	100751	19.568	ug/l	97
43) Isopropyl Acetate	8.46	43	93835	18.350	ug/l	98
44) Trichloroethene	9.11	130	100603	19.397	ug/l	98
45) 1,2-Dichloropropane	9.39	63	86968	20.074	ug/l	91
46) Dibromomethane	9.48	93	46126	20.261	ug/l	94
47) Bromodichloromethane	9.67	83	123407	20.573	ug/l #	97
48) Methyl methacrylate	9.46	41	42741	17.369	ug/l	96
49) 1,4-Dioxane	9.47	88	10442	387.256	ug/l #	94
51) 4-Methyl-2-Pentanone	10.23	43	238377	94.705	ug/l	99
52) Toluene	10.41	92	228733	19.833	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	111970	19.172	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	134767	19.294	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	61855	19.809	ug/l	94
56) Ethyl methacrylate	10.67	69	71202	18.021	ug/l	100
57) 1,3-Dichloropropane	10.95	76	108470	19.755	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	125786	86.072	ug/l	100
59) 2-Hexanone	10.99	43	166277	93.263	ug/l	100
60) Dibromochloromethane	11.14	129	80725	19.959	ug/l	98
61) 1,2-Dibromoethane	11.26	107	58885	19.299	ug/l	98
64) Tetrachloroethene	10.88	164	93780	21.041	ug/l	96
65) Chlorobenzene	11.67	112	236419	19.707	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	87727	19.813	ug/l	99
67) Ethyl Benzene	11.75	91	423792	19.443	ug/l	98
68) m/p-Xylenes	11.86	106	327657	39.387	ug/l	100
69) o-Xylene	12.19	106	145967	19.485	ug/l	98
70) Styrene	12.20	104	253456	19.466	ug/l	100
71) Bromoform	12.37	173	46842	19.654	ug/l #	99
73) Isopropylbenzene	12.48	105	395073	18.844	ug/l	99
74) N-amyl acetate	12.30	43	81366	17.855	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	65502	19.851	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	87547	37.856	ug/l #	100
77) Bromobenzene	12.77	156	95762	18.958	ug/l	99
78) n-propylbenzene	12.83	91	473628	19.290	ug/l	100
79) 2-Chlorotoluene	12.91	91	264538	19.329	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	326592	19.041	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21195	18.329	ug/l	95
82) 4-Chlorotoluene	13.01	91	279089	19.417	ug/l	99
83) tert-Butylbenzene	13.23	119	270188	18.259	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	325234	19.100	ug/l	98
85) sec-Butylbenzene	13.41	105	387420	19.169	ug/l	99
86) p-Isopropyltoluene	13.53	119	353061	18.802	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	185661	19.631	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	178727	18.987	ug/l	99
89) n-Butylbenzene	13.85	91	332038	19.158	ug/l	98
90) Hexachloroethane	14.12	117	70092	19.712	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	155760	19.228	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10390	19.289	ug/l	98

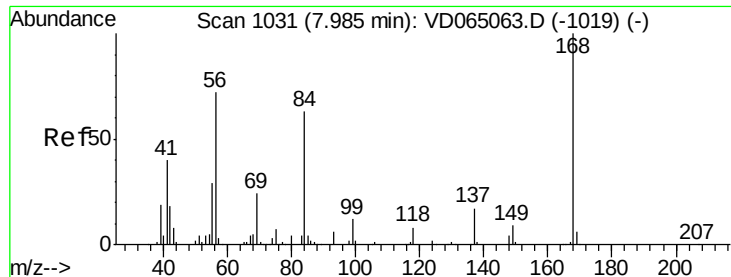
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021020\
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ClientSampleId :

Quant Time: Feb 11 08:05:36 2020
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.17	180	104774	18.096	ug/l	99
94) Hexachlorobutadiene	15.28	225	66225	18.602	ug/l	99
95) Naphthalene	15.41	128	161188	16.750	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	89912	18.155	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

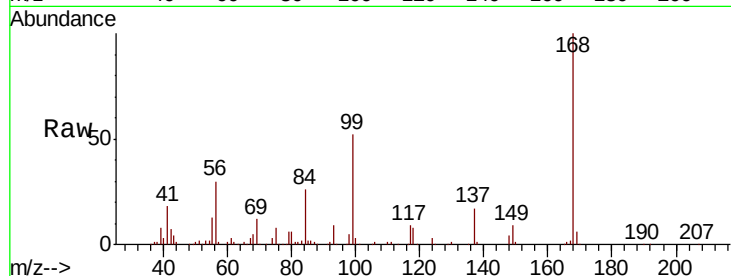
ClientSampleId :

Tot Ion:168 Resp: 470142

Ion Ratio Lower Upper

168 100

99 51.5 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

250000

200000

150000

100000

50000

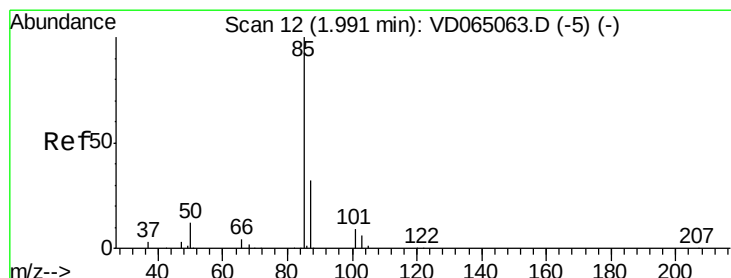
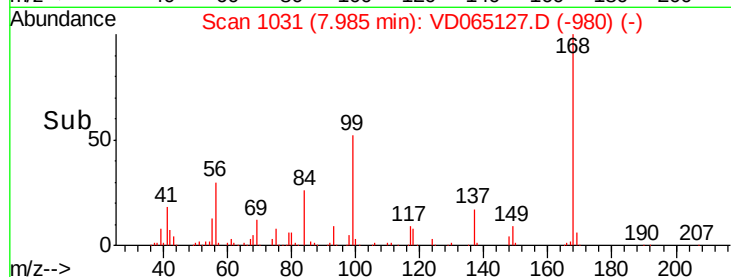
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.887 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065127.D

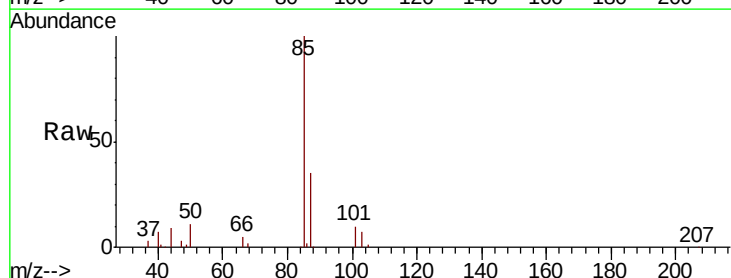
Acq: 10 Feb 2020 12:27

Tgt Ion: 85 Resp: 77804

Ion Ratio Lower Upper

85 100

87 35.3 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

20000

10000

0

1.90

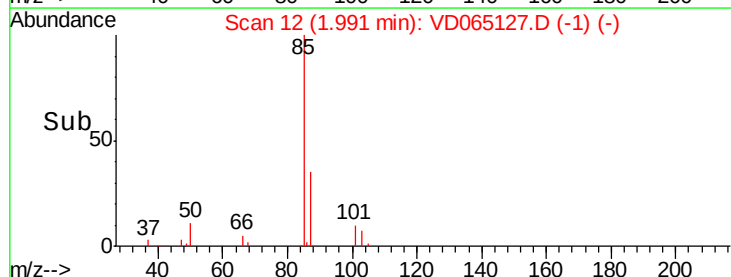
1.95

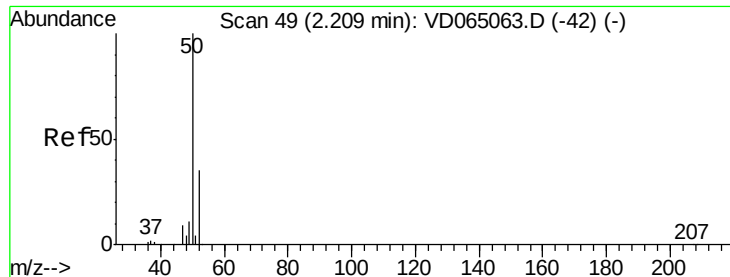
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 21.381 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

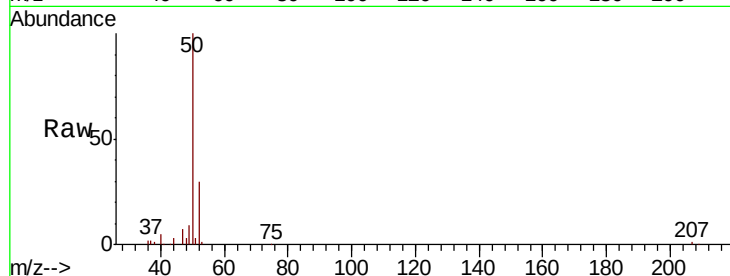
ClientSampleId :

Tot Ion: 50 Resp: 98469

Ion Ratio Lower Upper

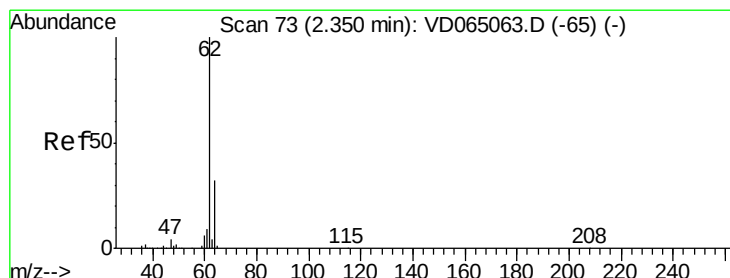
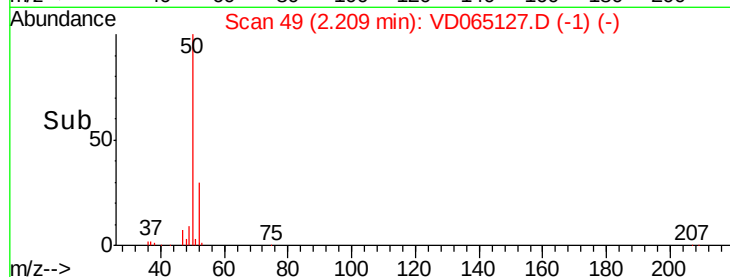
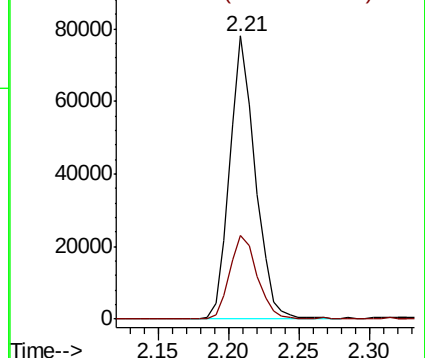
50 100

52 29.5 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.117 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065127.D

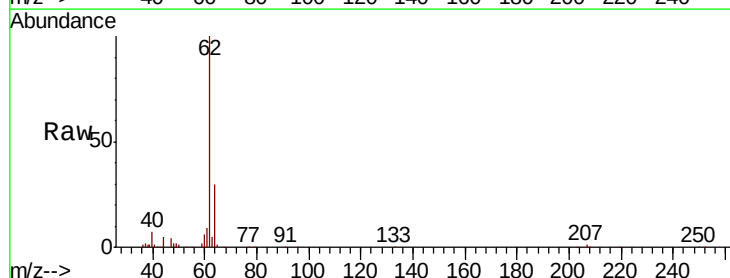
Acq: 10 Feb 2020 12:27

Tgt Ion: 62 Resp: 102851

Ion Ratio Lower Upper

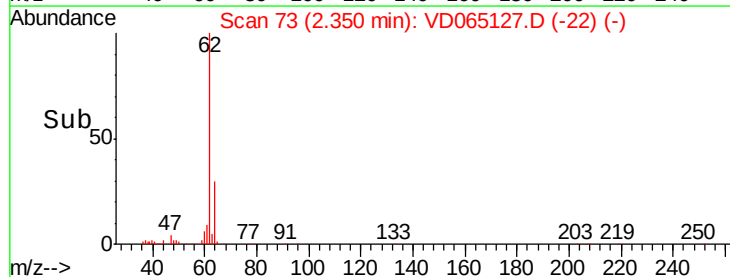
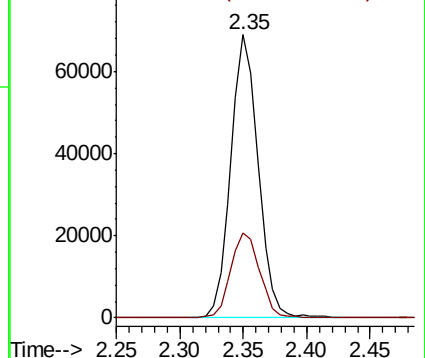
62 100

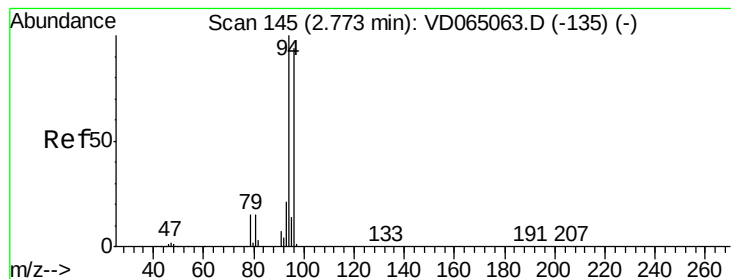
64 29.8 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.221 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

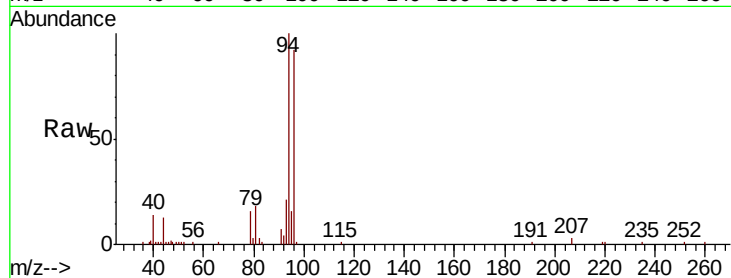
ClientSampleId :

Tot Ion: 94 Resp: 63859

Ion Ratio Lower Upper

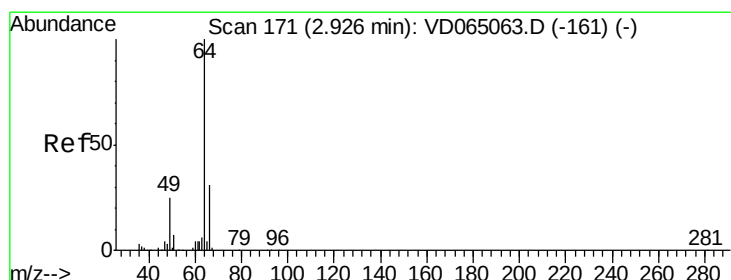
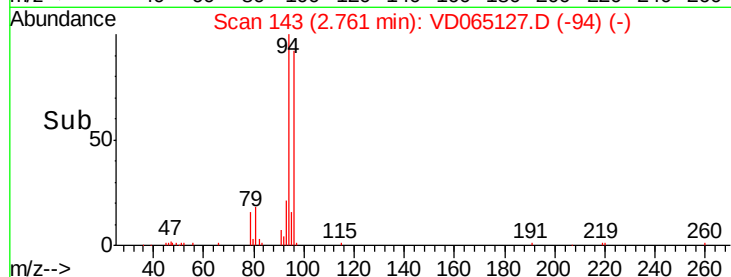
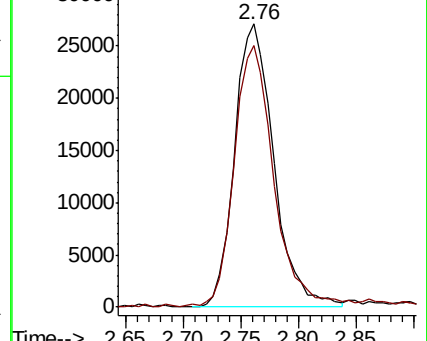
94 100

96 91.3 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.666 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065127.D

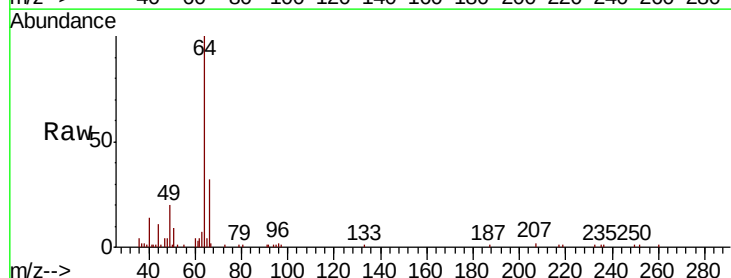
Acq: 10 Feb 2020 12:27

Tgt Ion: 64 Resp: 62438

Ion Ratio Lower Upper

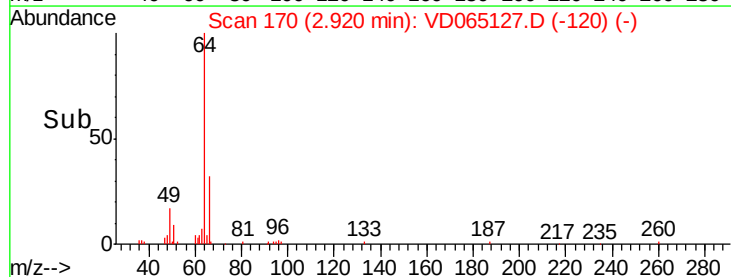
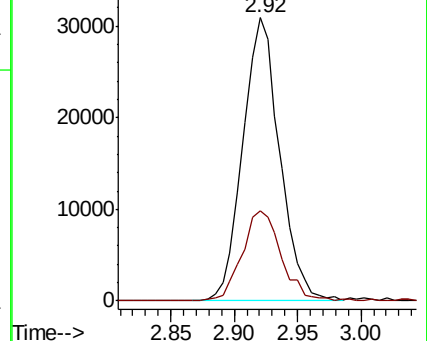
64 100

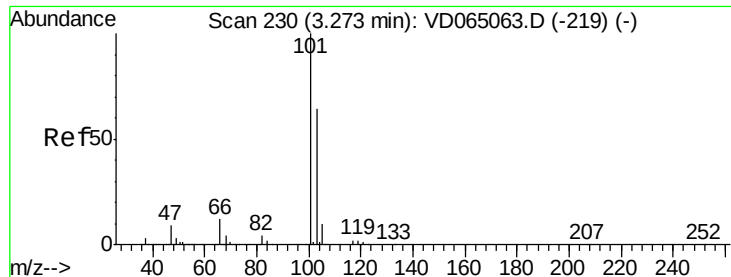
66 31.8 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



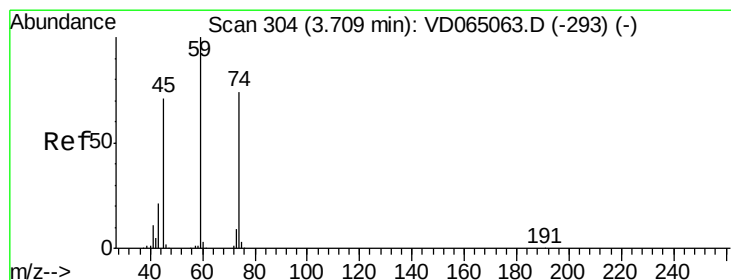
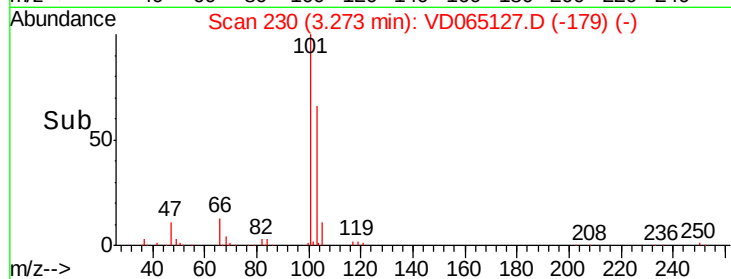
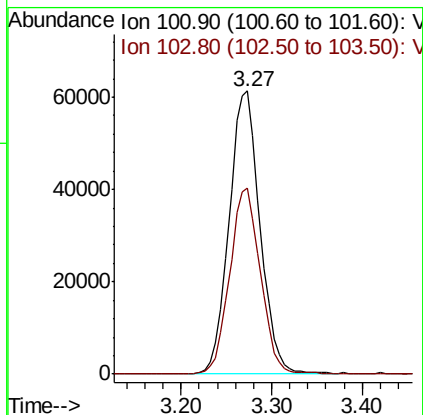
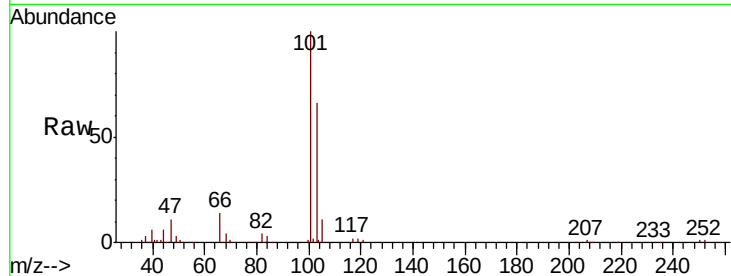


#7

Trichlorofluoromethane
 Concen: 20.529 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :

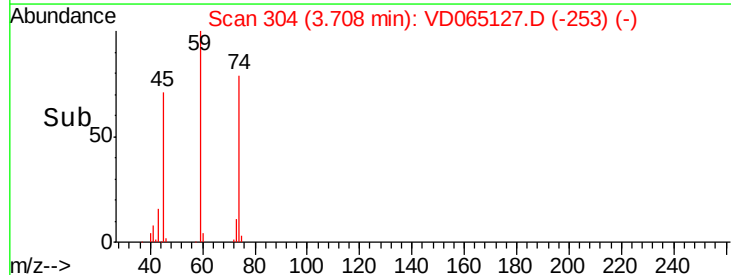
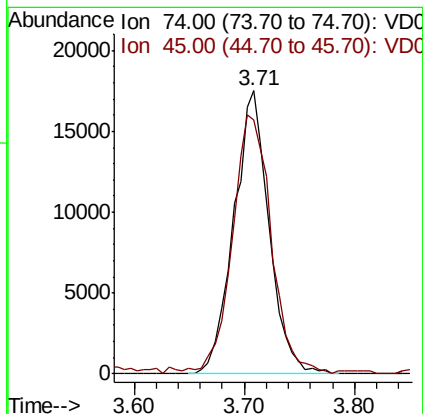
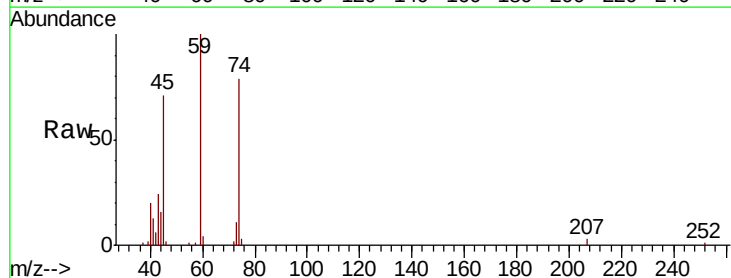
Tot Ion:101 Resp: 145510
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.0 76.6

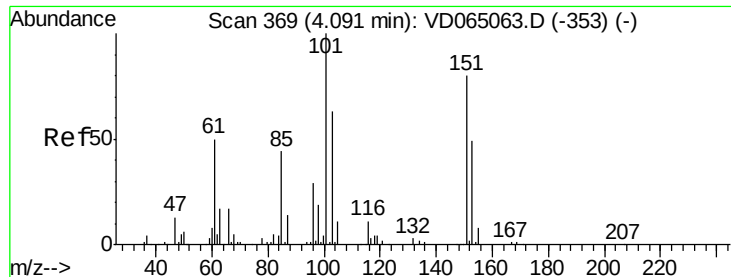


#8

Diethyl Ether
 Concen: 19.266 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Tgt Ion: 74 Resp: 39204
 Ion Ratio Lower Upper
 74 100
 45 101.1 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.084 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

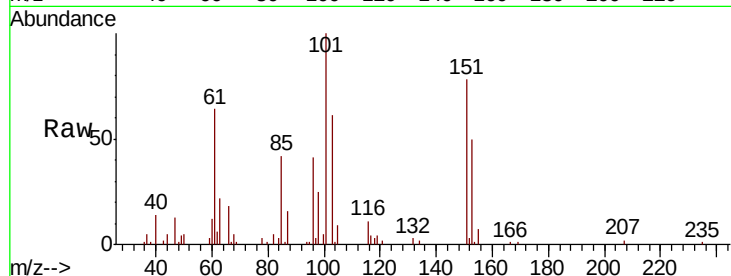
Tot Ion:101 Resp: 87029

Ion Ratio Lower Upper

101 100

85 42.4 34.0 51.0

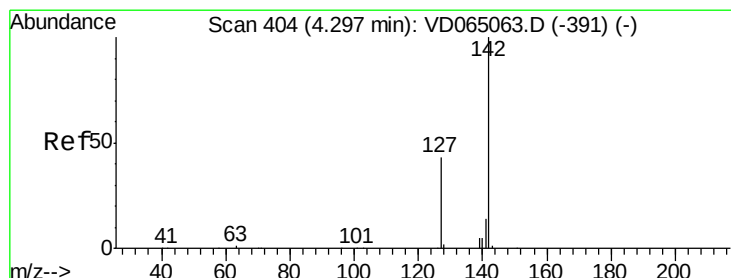
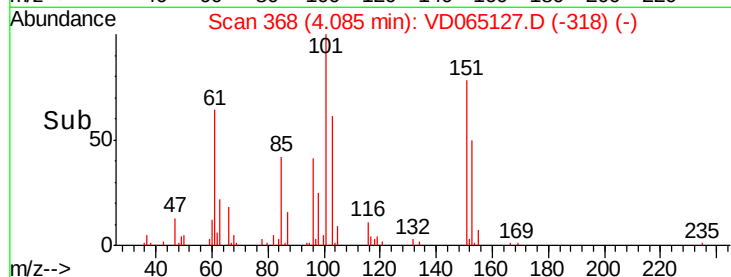
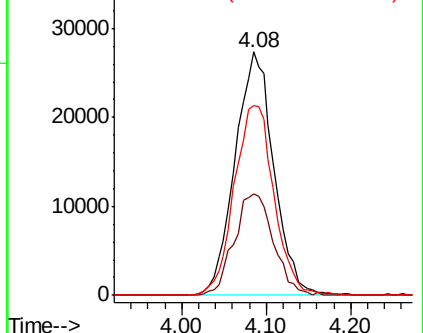
151 79.9 64.0 96.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.566 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

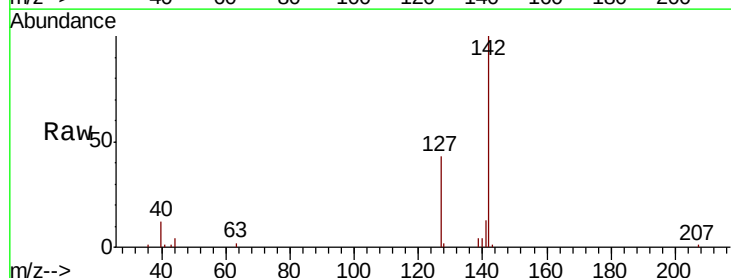
Tgt Ion:142 Resp: 86877

Ion Ratio Lower Upper

142 100

127 44.3 34.0 51.0

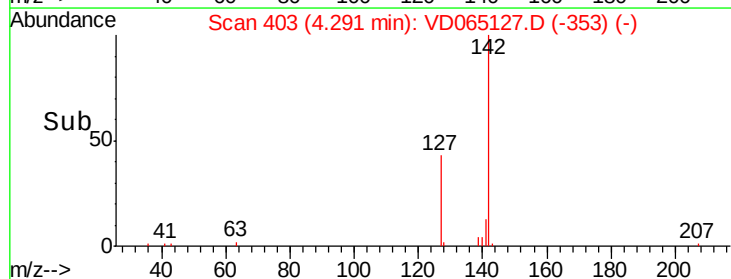
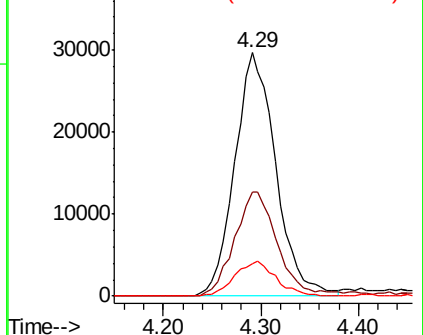
141 14.2 11.6 17.4

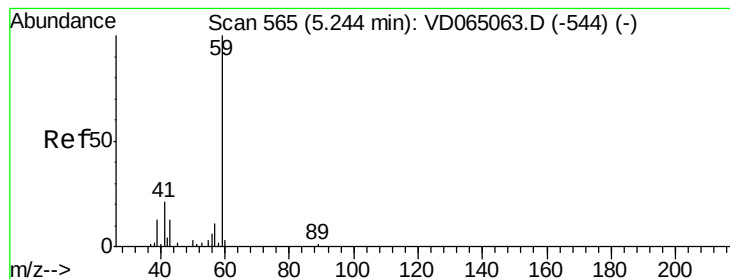


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



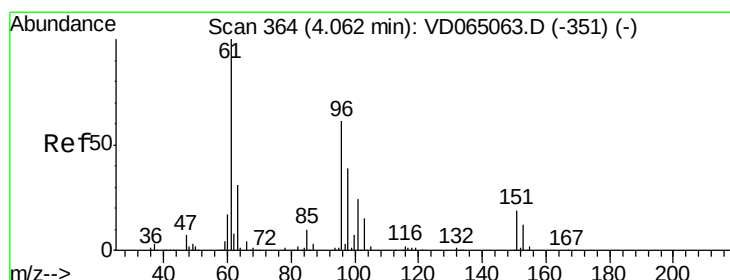
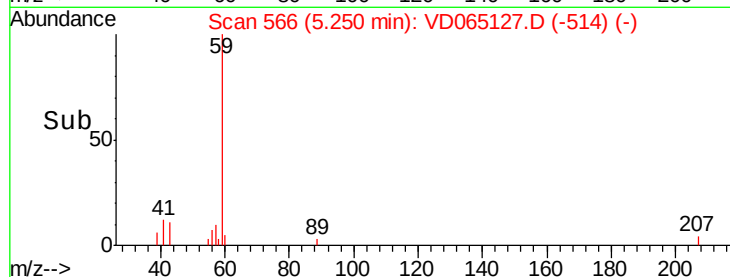
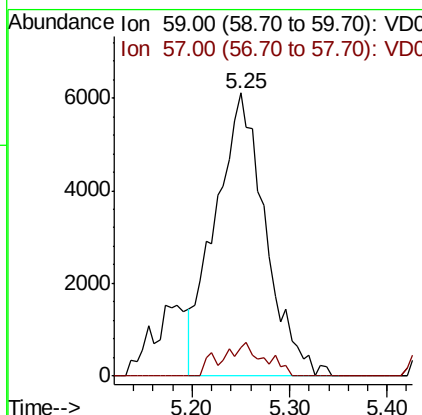
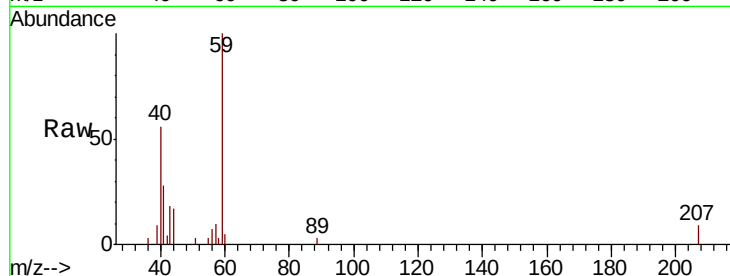


#11

Tert butyl alcohol
 Concen: 89.015 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :

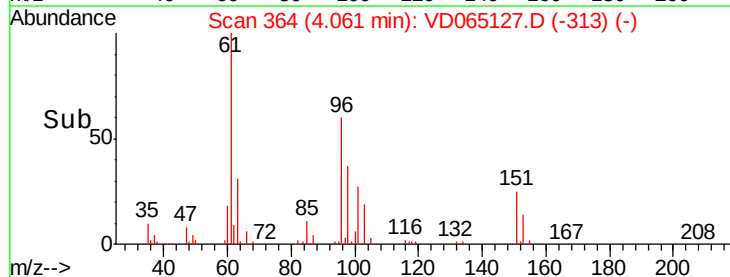
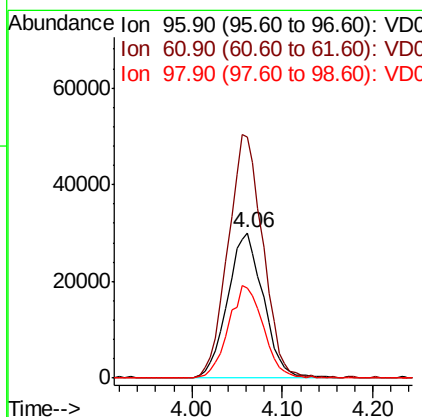
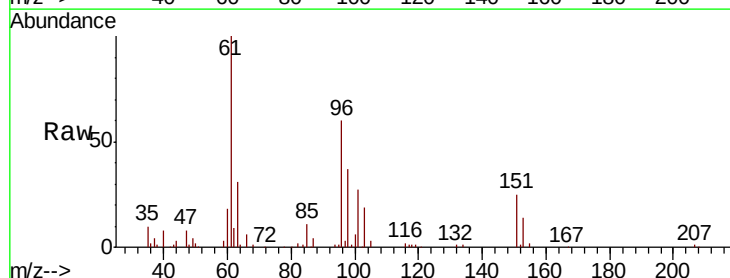
Tot Ion: 59 Resp: 21732
 Ion Ratio Lower Upper
 59 100
 57 8.2 8.8 13.2#

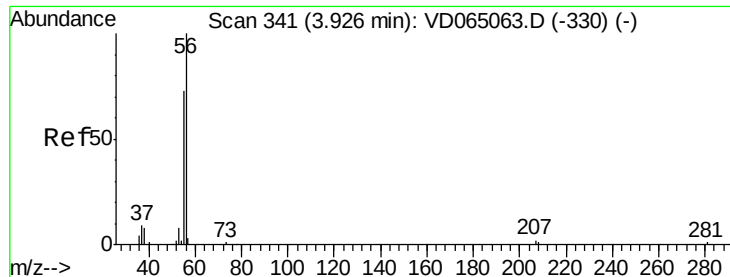


#12

1,1-Dichloroethene
 Concen: 19.841 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Tgt Ion: 96 Resp: 82342
 Ion Ratio Lower Upper
 96 100
 61 165.3 131.4 197.2
 98 61.9 51.1 76.7





#13

Acrolein

Concen: 93.432 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

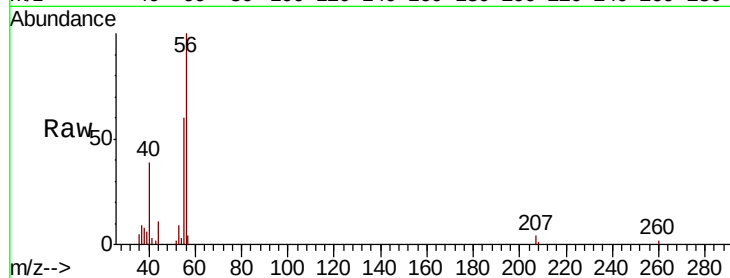
ClientSampleId :

Tot Ion: 56 Resp: 28056

Ion Ratio Lower Upper

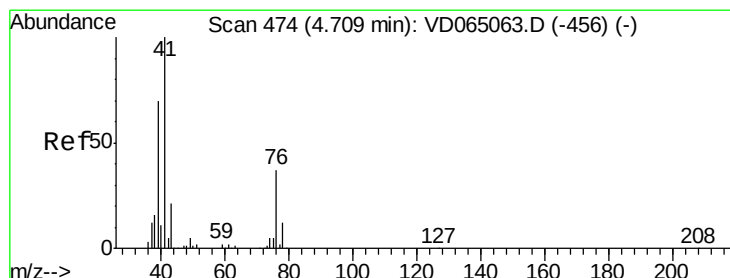
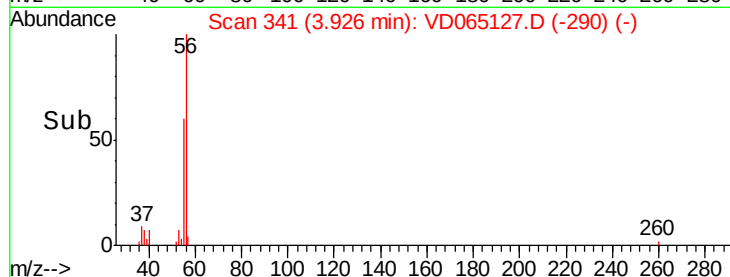
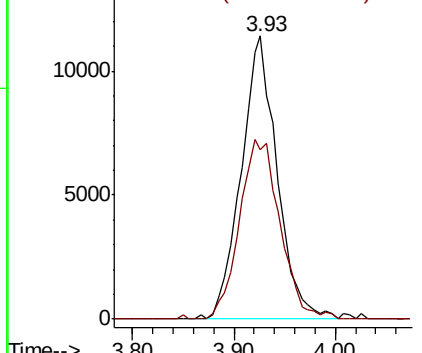
56 100

55 71.5 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: 19.020 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

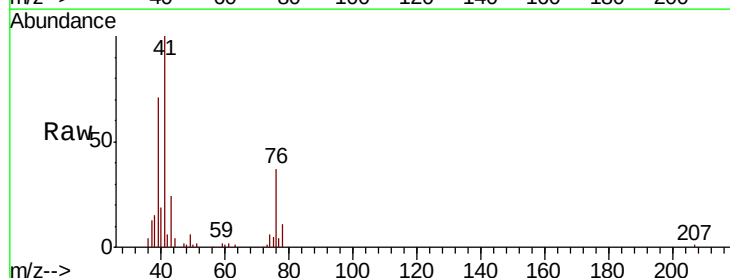
Tgt Ion: 41 Resp: 131185

Ion Ratio Lower Upper

41 100

39 70.9 57.1 85.7

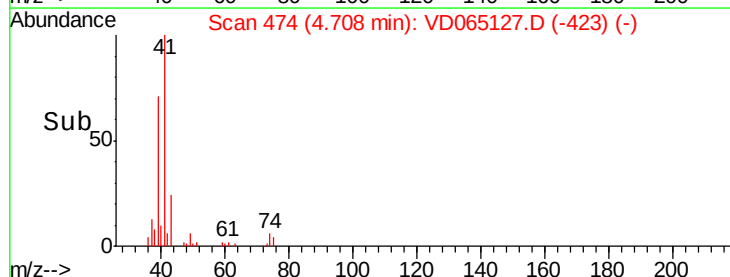
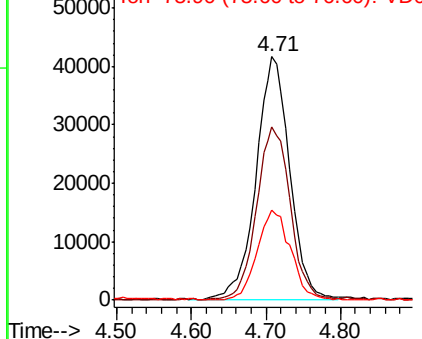
76 36.5 28.0 42.0

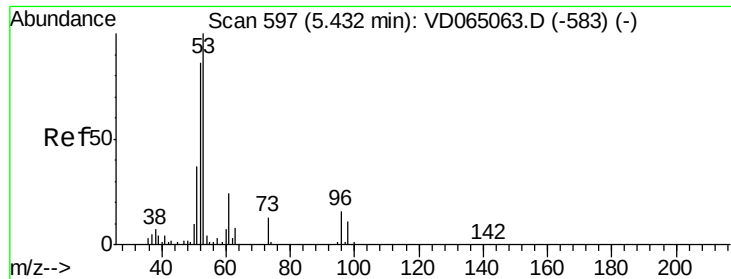


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 96.986 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

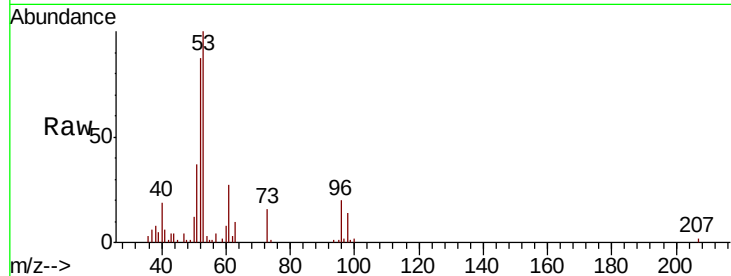
Tot Ion: 53 Resp: 86281

Ion Ratio Lower Upper

53 100

52 84.4 66.2 99.2

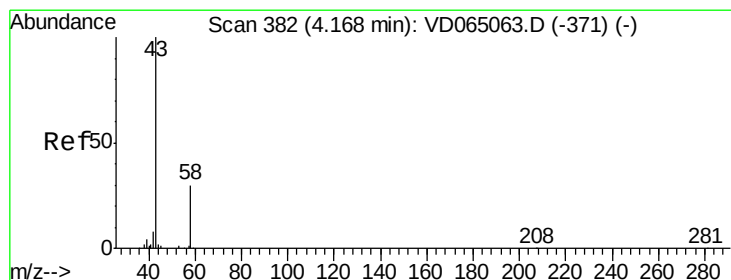
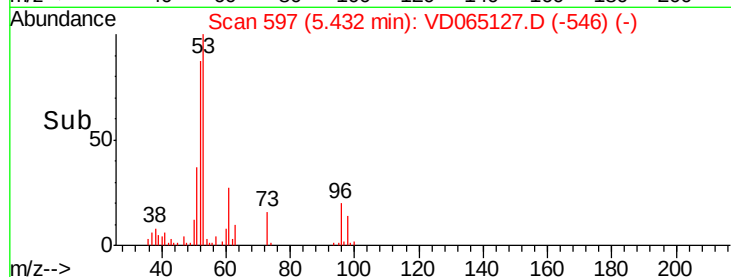
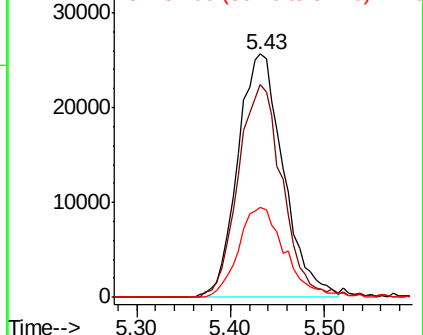
51 37.9 30.4 45.6



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 93.780 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065127.D

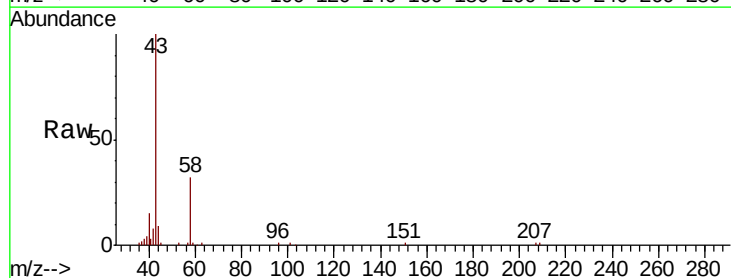
Acq: 10 Feb 2020 12:27

Tgt Ion: 43 Resp: 93688

Ion Ratio Lower Upper

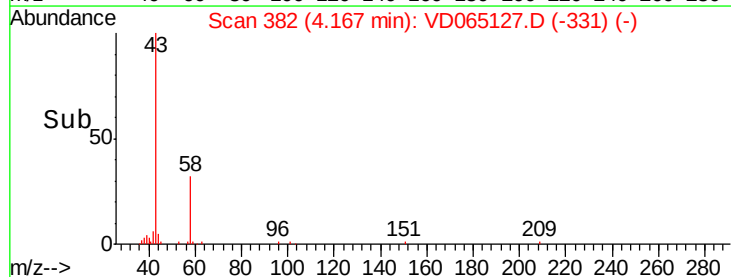
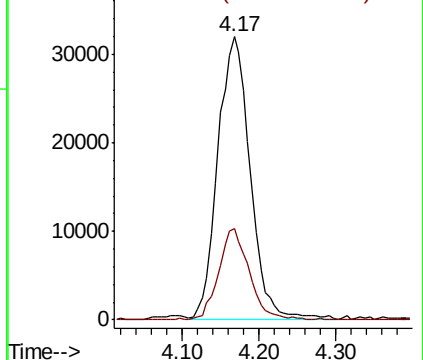
43 100

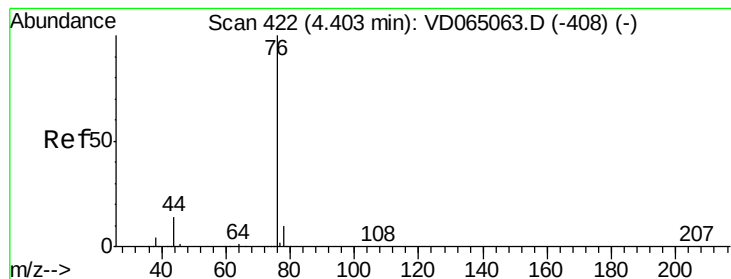
58 32.1 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 19.629 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

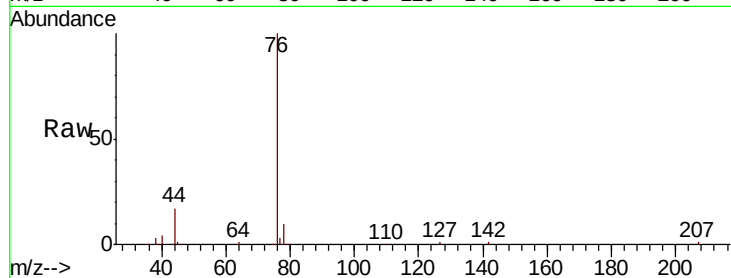
ClientSampleId :

Tot Ion: 76 Resp: 261556

Ion Ratio Lower Upper

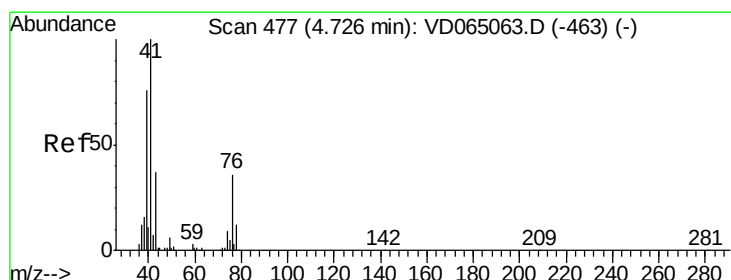
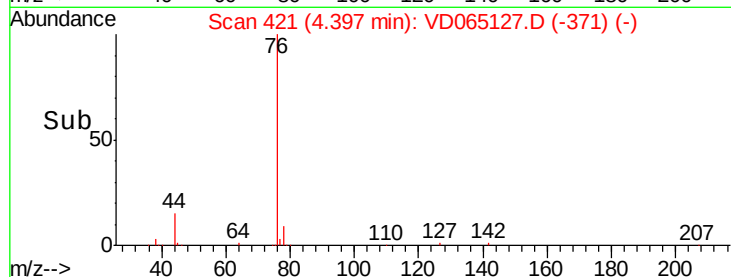
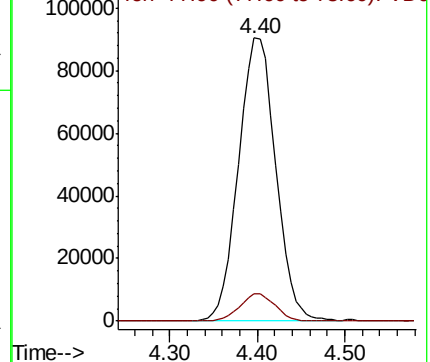
76 100

78 9.5 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 21.663 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065127.D

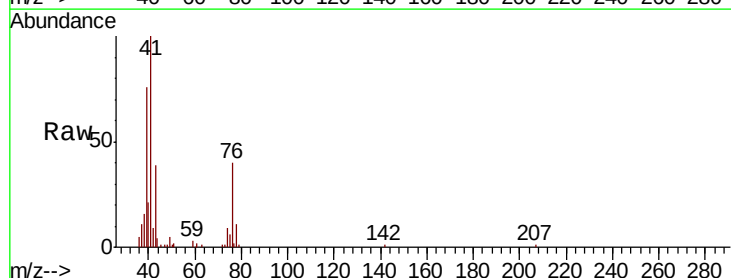
Acq: 10 Feb 2020 12:27

Tgt Ion: 43 Resp: 45216

Ion Ratio Lower Upper

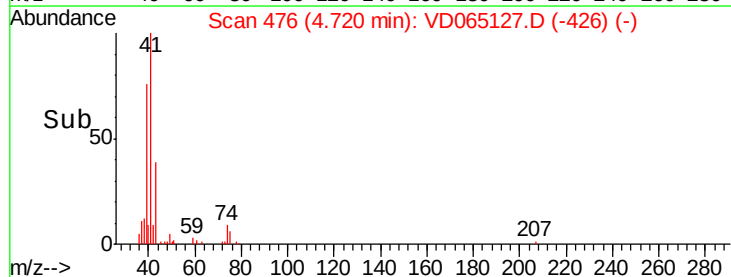
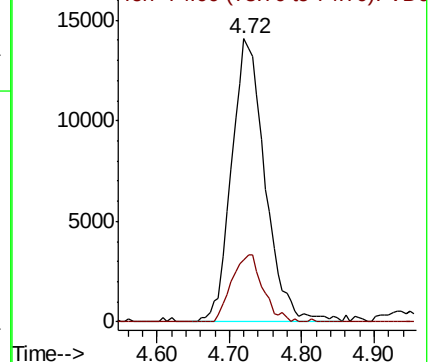
43 100

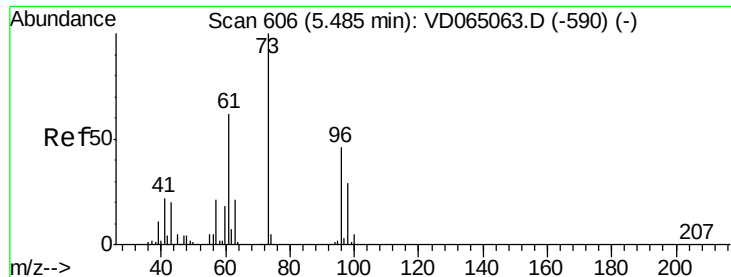
74 22.1 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

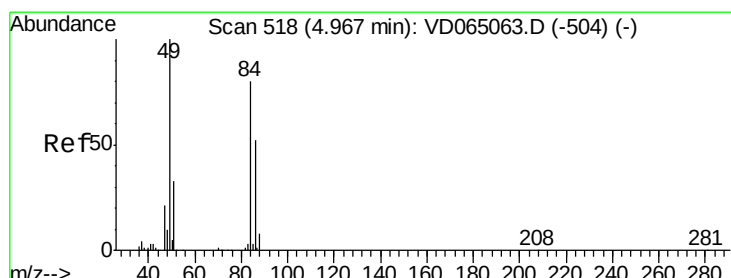
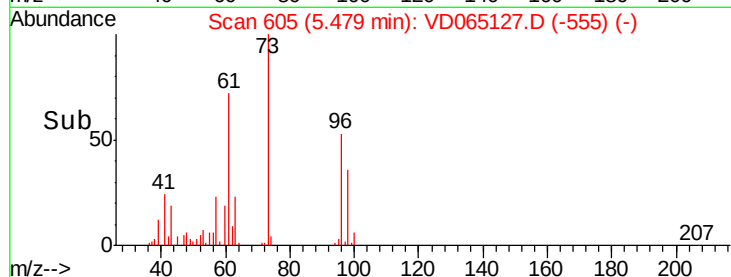
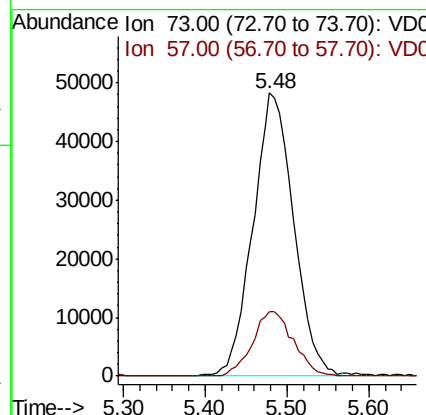
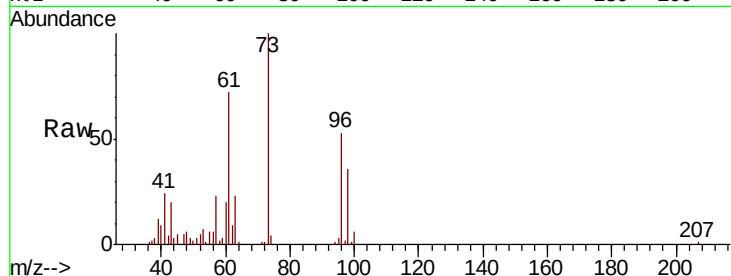




#19
Methyl tert-butyl Ether
Concen: 18.181 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

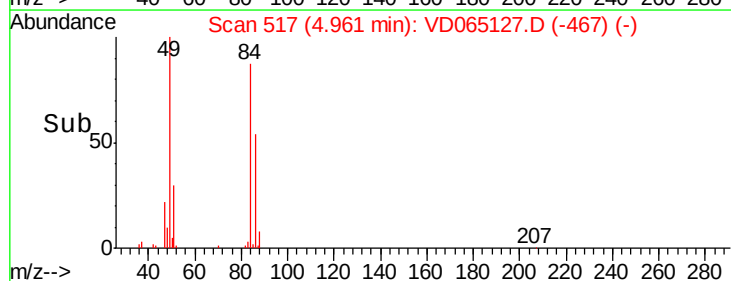
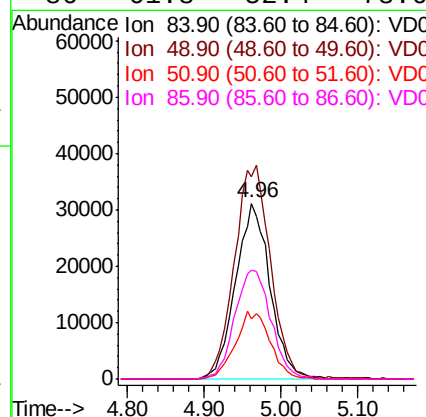
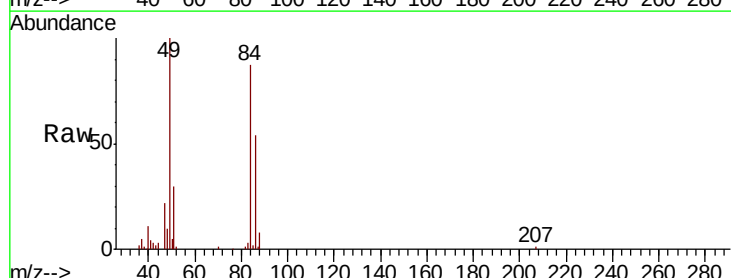
Instrument :
MSVOA_D
ClientSampleId :

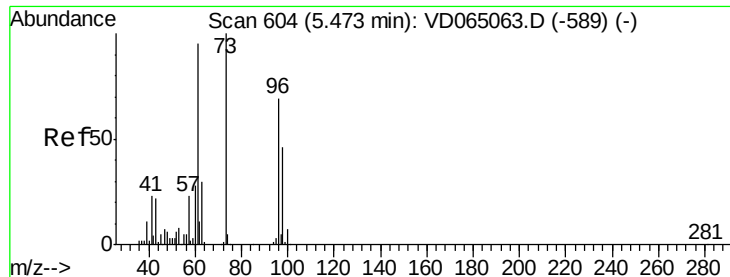
Tot Ion: 73 Resp: 166852
Ion Ratio Lower Upper
73 100
57 22.6 16.8 25.2



#20
Methylene Chloride
Concen: 19.767 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion: 84 Resp: 97433
Ion Ratio Lower Upper
84 100
49 115.0 100.4 150.6
51 34.0 32.7 49.1
86 61.8 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 19.535 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

ClientSampled :

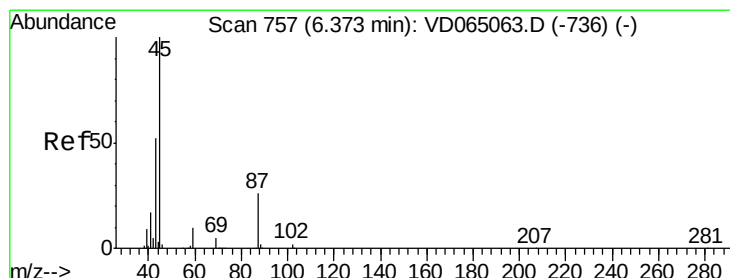
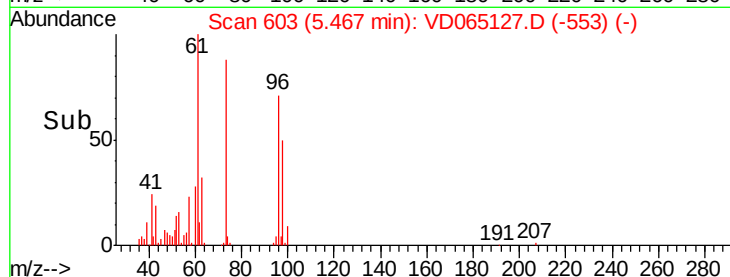
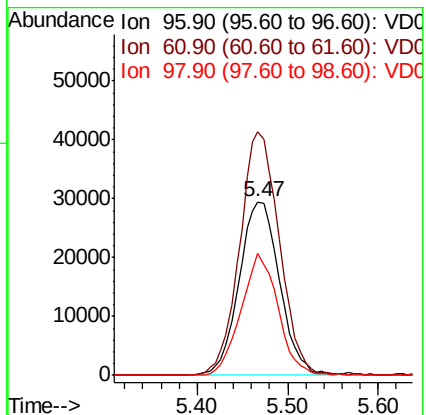
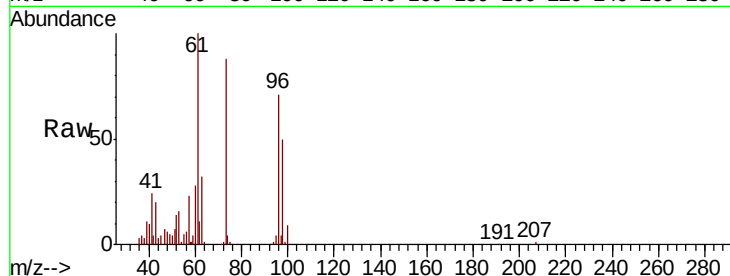
Tot Ion: 96 Resp: 91723

Ion Ratio Lower Upper

96 100

61 140.4 109.5 164.3

98 70.3 53.7 80.5



#22

Diisopropyl ether

Concen: 20.078 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Tgt Ion: 45 Resp: 261207

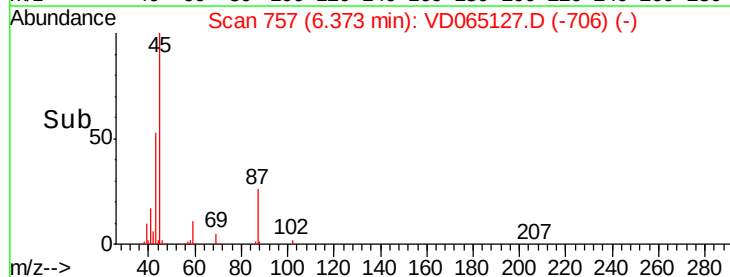
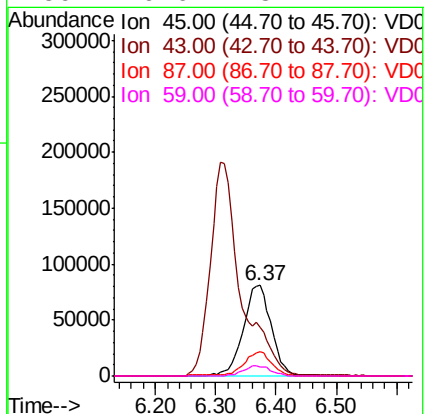
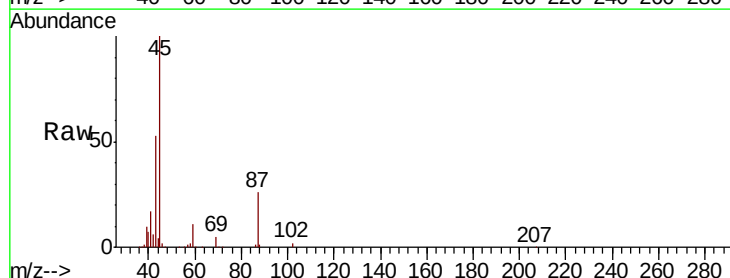
Ion Ratio Lower Upper

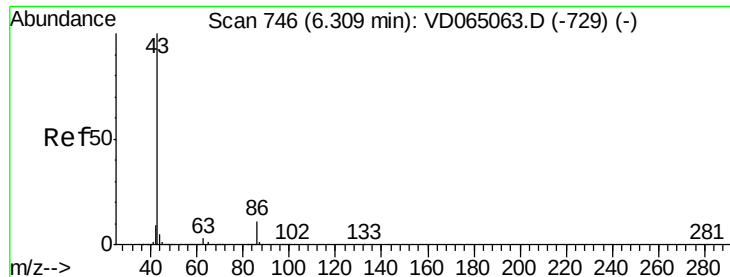
45 100

43 52.1 41.3 61.9

87 26.2 21.0 31.6

59 10.6 8.2 12.4





#23

Vinyl Acetate

Concen: 91.665 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

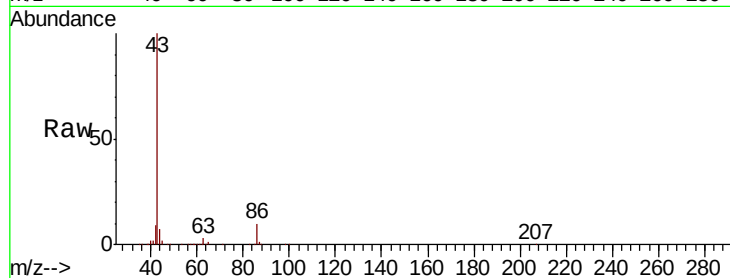
ClientSampleId :

Tot Ion: 43 Resp: 664707

Ion Ratio Lower Upper

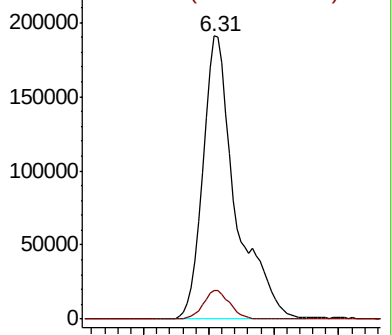
43 100

86 10.3 8.5 12.7

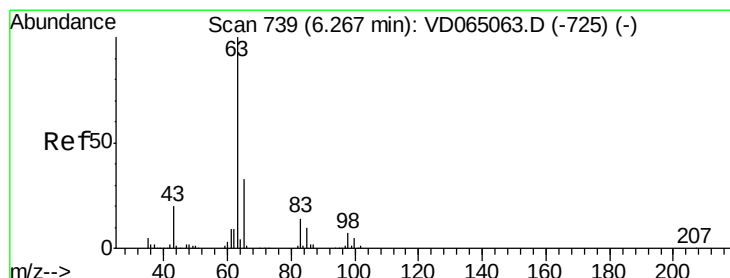
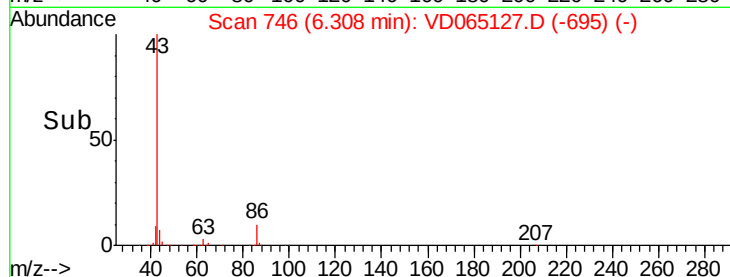


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 20.133 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

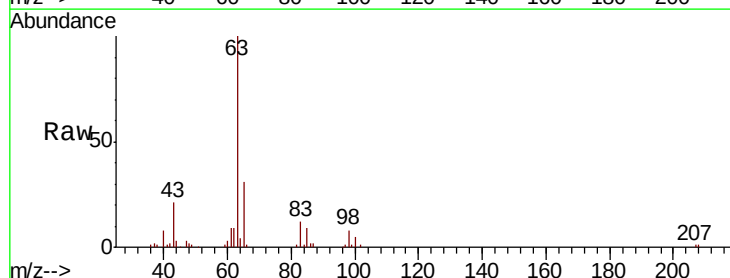
Tgt Ion: 63 Resp: 158540

Ion Ratio Lower Upper

63 100

98 8.5 3.5 10.4

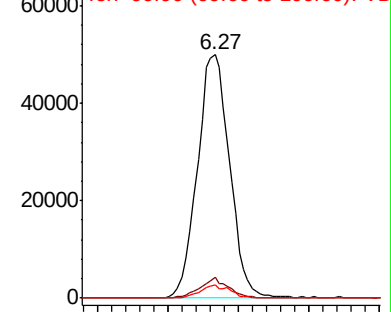
100 5.5 2.5 7.6



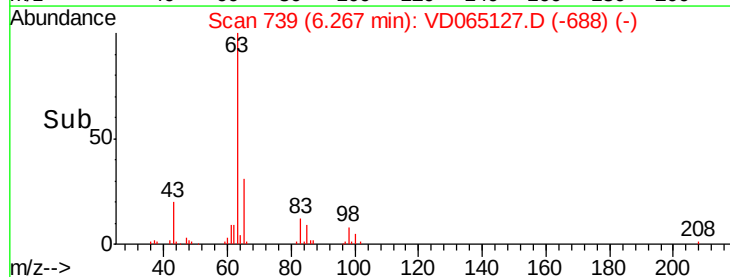
Abundance Ion 62.90 (62.60 to 63.60): VDC

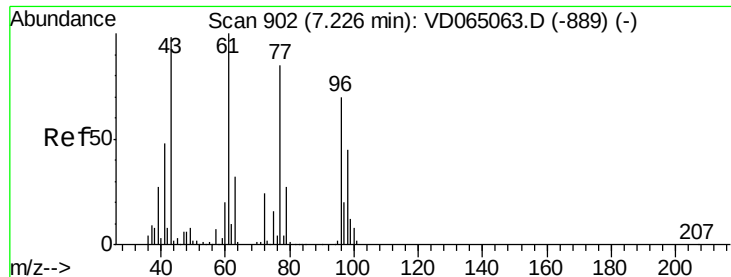
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->

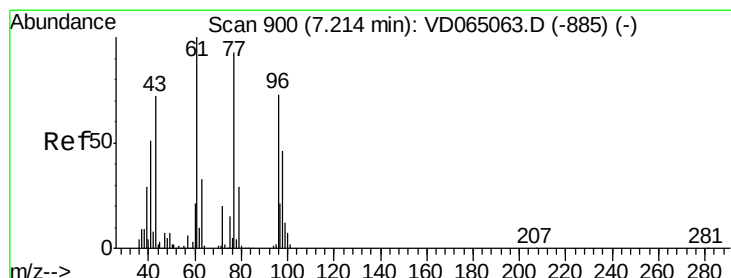
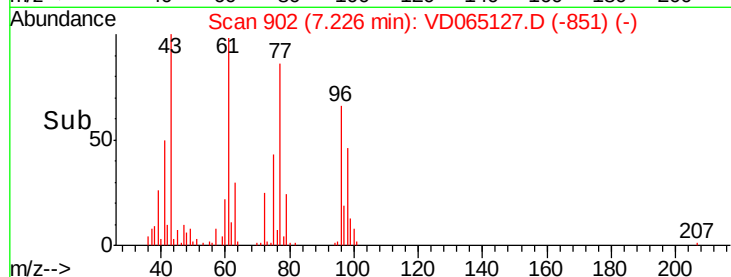
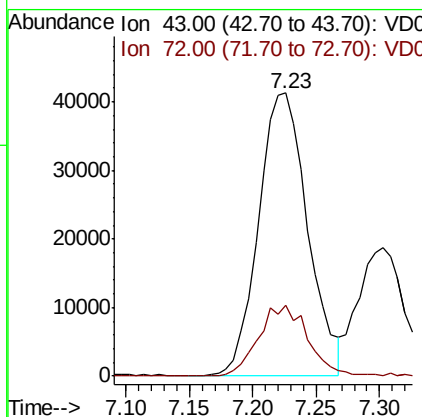
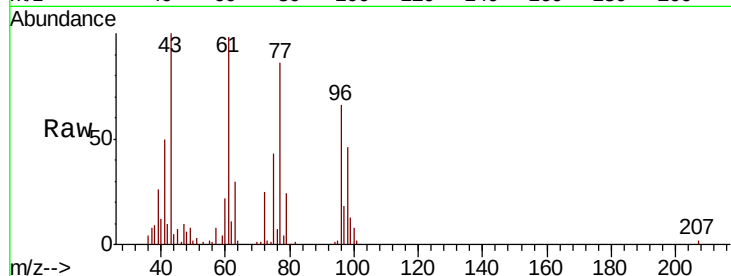




#25
2-Butanone
Concen: 93.610 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

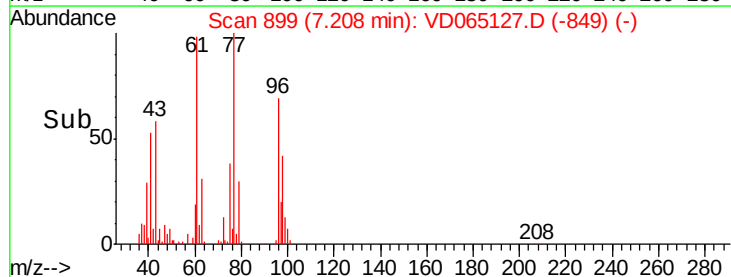
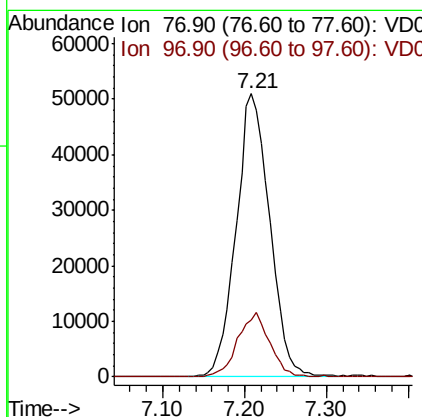
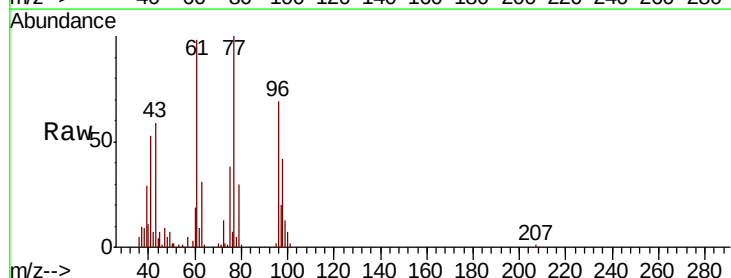
Instrument :
MSVOA_D
ClientSampled :

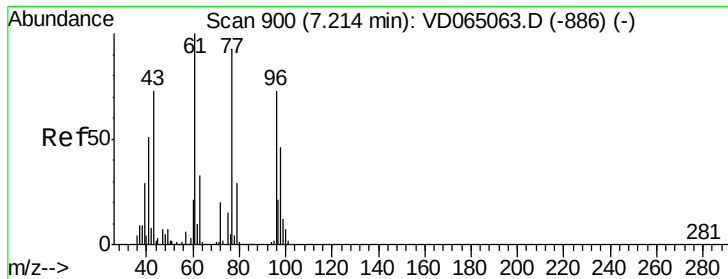
Tot Ion: 43 Resp: 111553
Ion Ratio Lower Upper
43 100
72 25.1 19.9 29.9



#26
2,2-Dichloropropane
Concen: 20.668 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion: 77 Resp: 145881
Ion Ratio Lower Upper
77 100
97 21.6 10.9 32.6



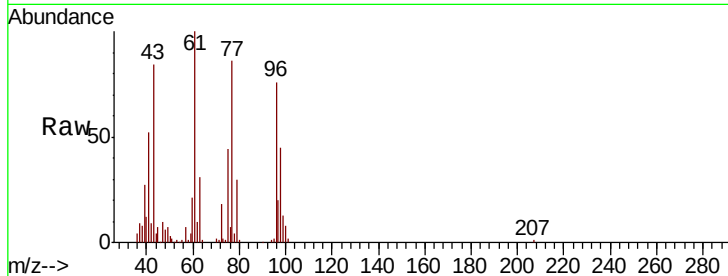


#27

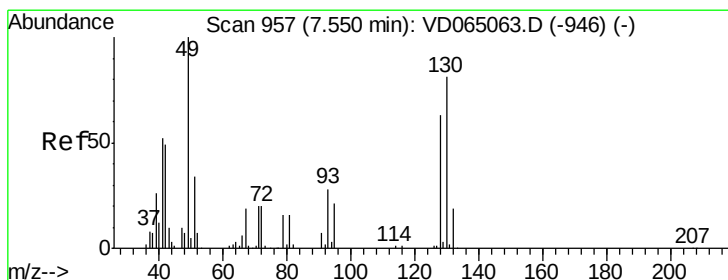
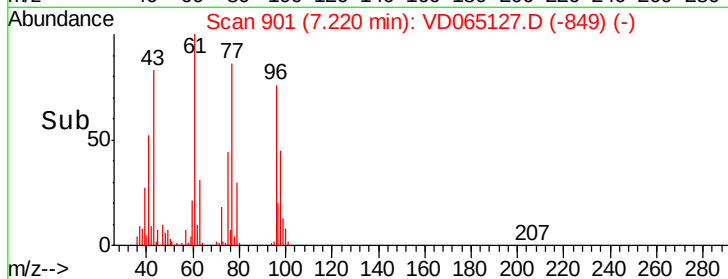
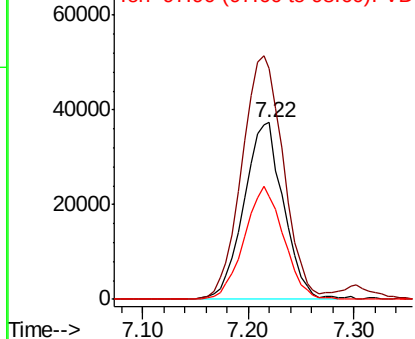
cis-1,2-Dichloroethene
Concen: 19.503 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 97282
Ion Ratio Lower Upper
96 100
61 144.1 0.0 292.8
98 63.4 0.0 128.8



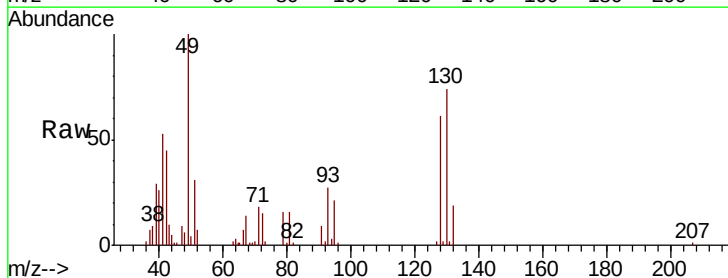
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



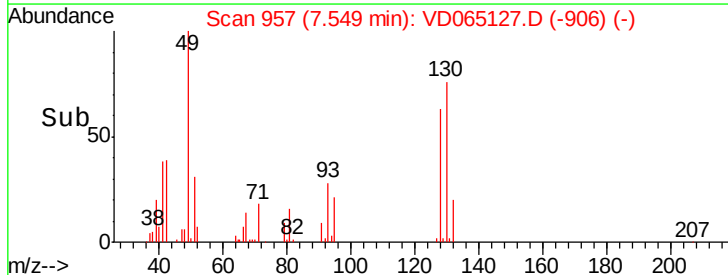
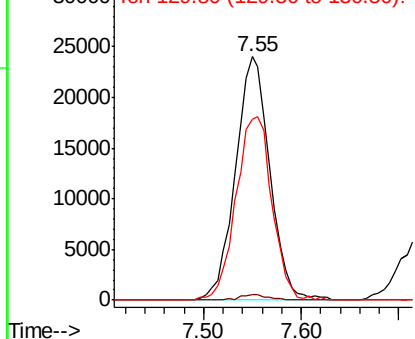
#28

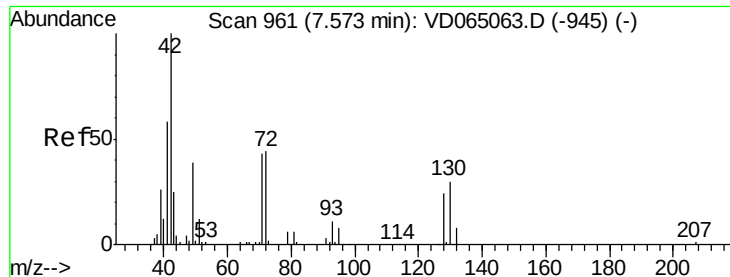
Bromochloromethane
Concen: 19.753 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion: 49 Resp: 58964
Ion Ratio Lower Upper
49 100
129 1.8 0.0 4.4
130 78.9 63.8 95.8



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

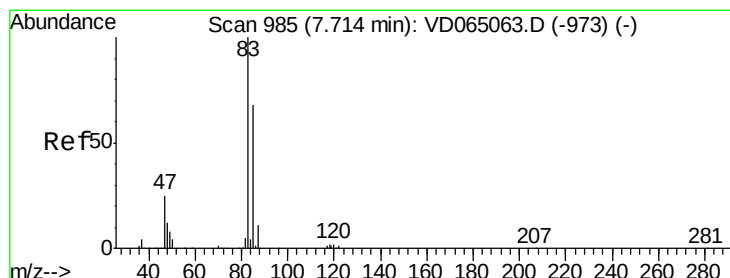
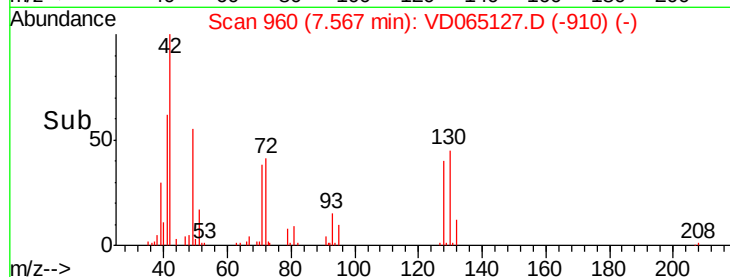
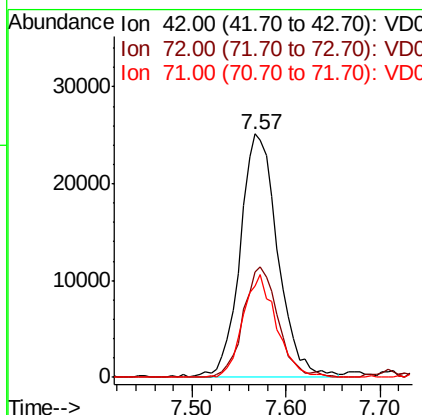
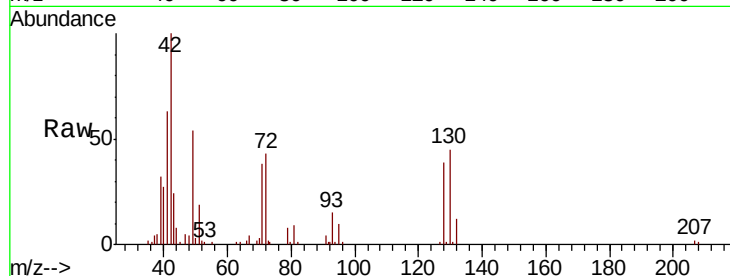




#29
Tetrahydrofuran
Concen: 96.927 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

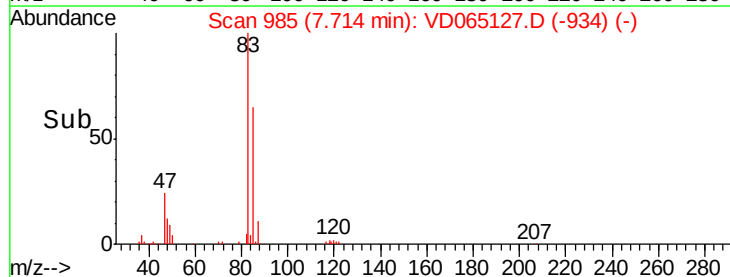
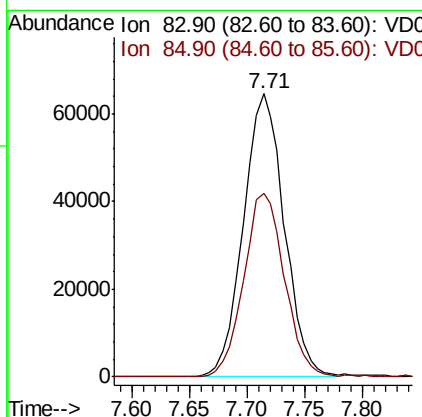
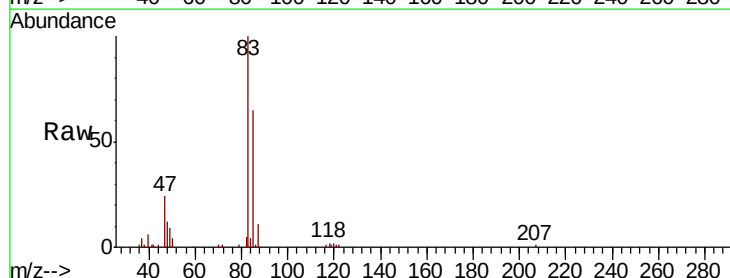
Instrument :
MSVOA_D
ClientSampleId :

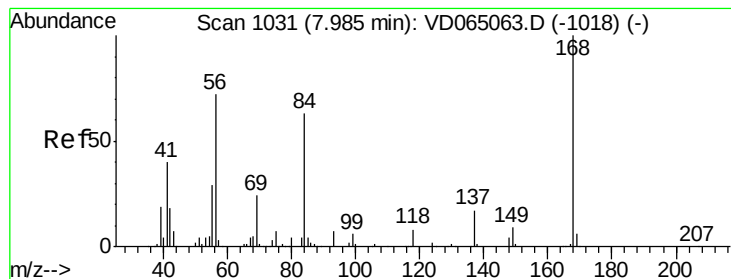
Tot Ion: 42 Resp: 69851
Ion Ratio Lower Upper
42 100
72 41.9 34.2 51.4
71 37.5 31.8 47.6



#30
Chloroform
Concen: 20.324 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion: 83 Resp: 159358
Ion Ratio Lower Upper
83 100
85 64.8 54.2 81.4





#31

Cyclohexane

Concen: 19.272 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :

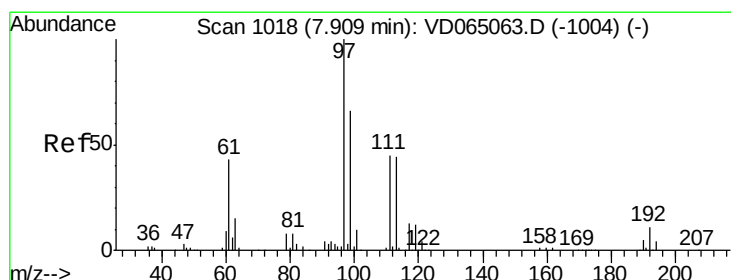
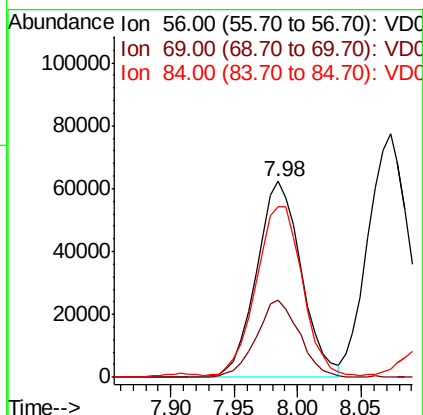
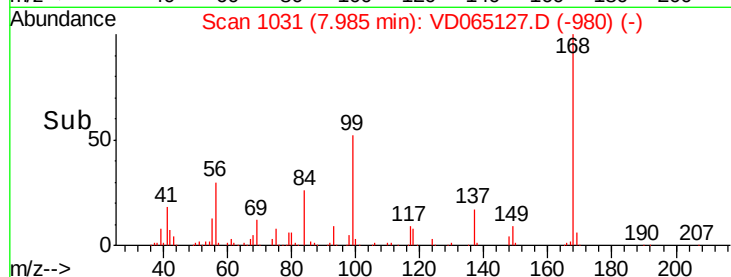
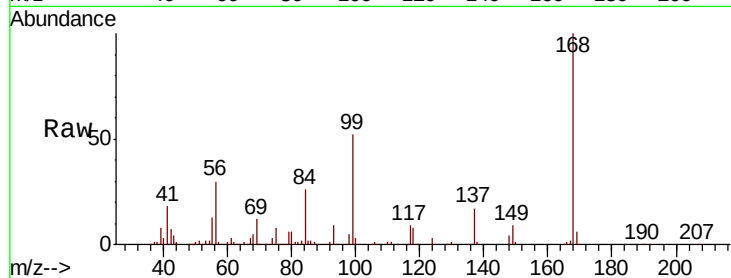
Tot Ion: 56 Resp: 153193

Ion Ratio Lower Upper

56 100

69 39.4 26.6 40.0

84 85.9 70.6 106.0



#32

1,1,1-Trichloroethane

Concen: 20.072 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

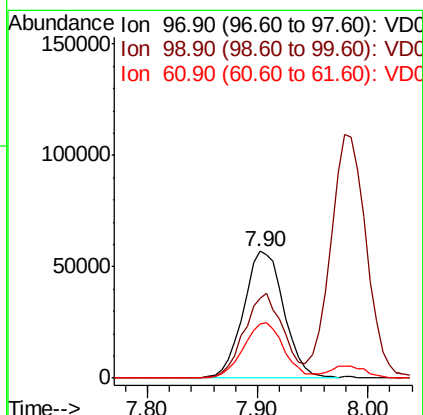
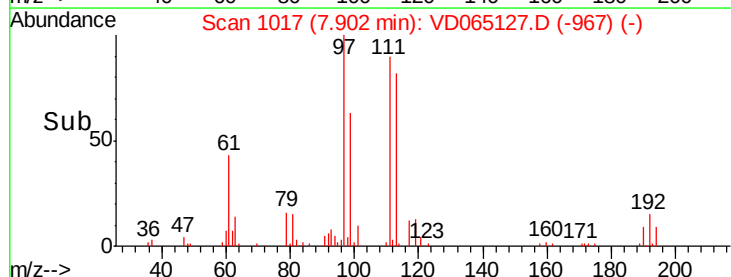
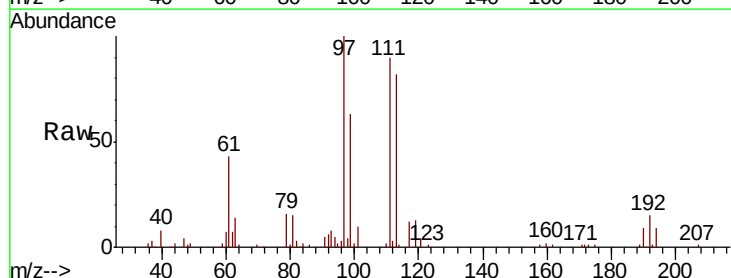
Tgt Ion: 97 Resp: 146602

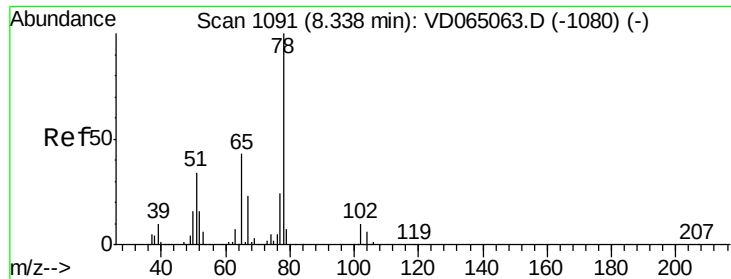
Ion Ratio Lower Upper

97 100

99 65.2 51.5 77.3

61 43.7 34.8 52.2

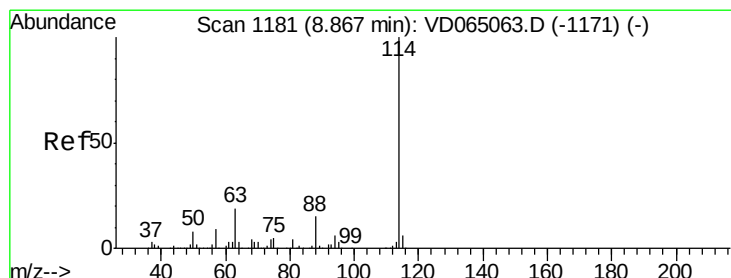
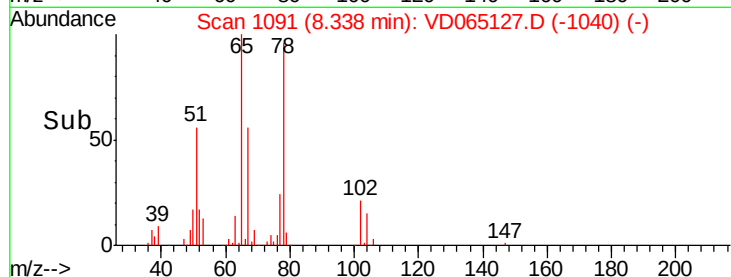
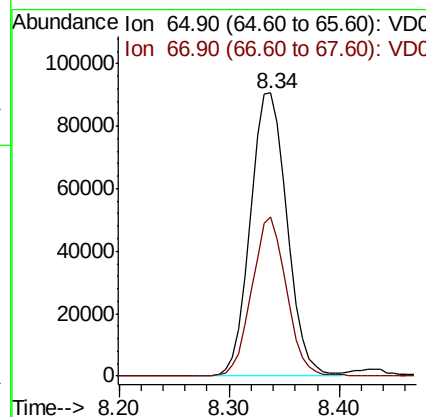
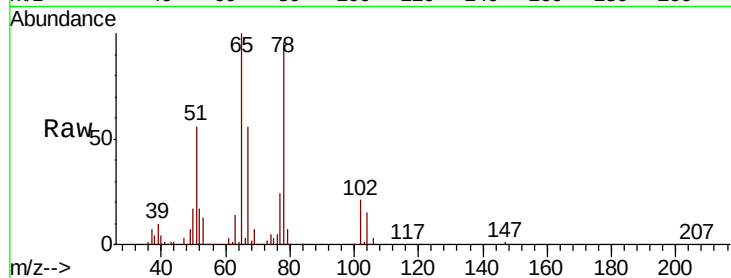




#33
 1,2-Dichloroethane-d4
 Concen: 53.014 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

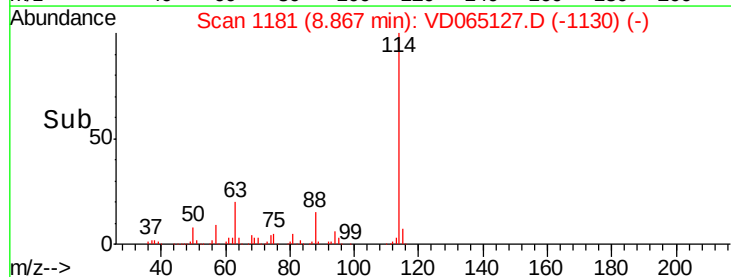
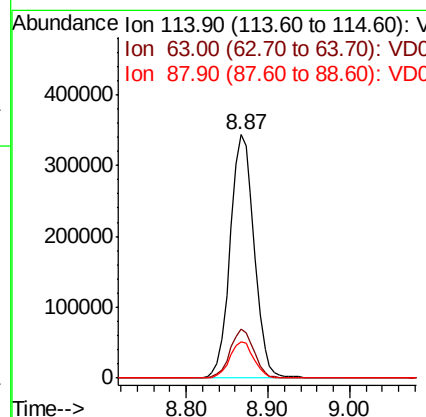
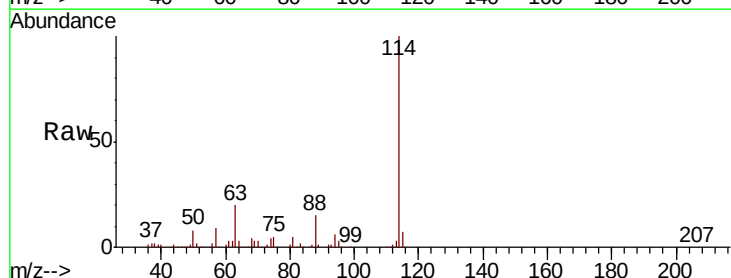
Instrument :
 MSVOA_D
 ClientSampled :

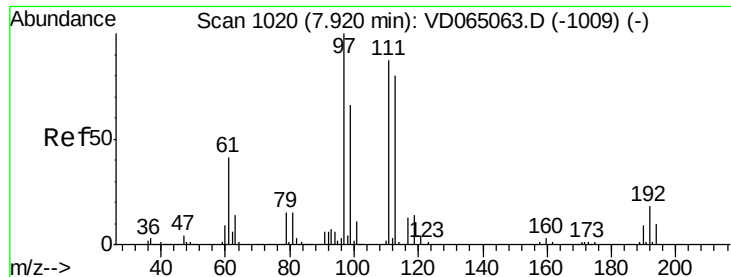
Tot Ion: 65 Resp: 211835
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Tgt Ion: 114 Resp: 703708
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 38.8
 88 14.8 0.0 29.6

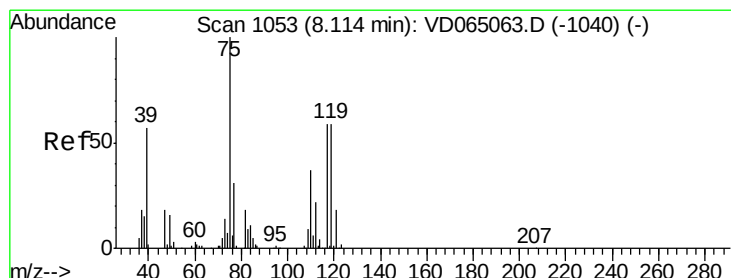
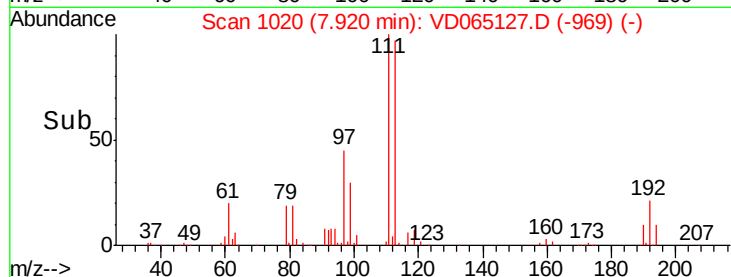
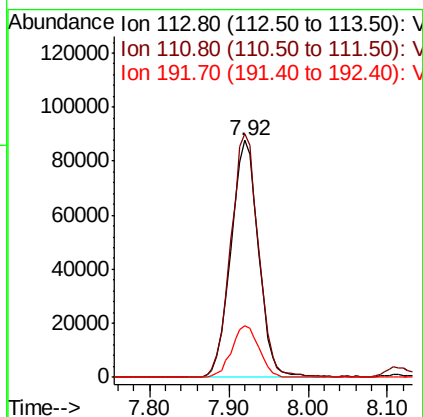
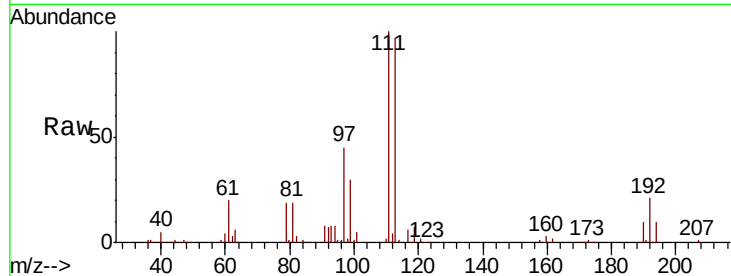




#35
 Dibromofluoromethane
 Concen: 53.680 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

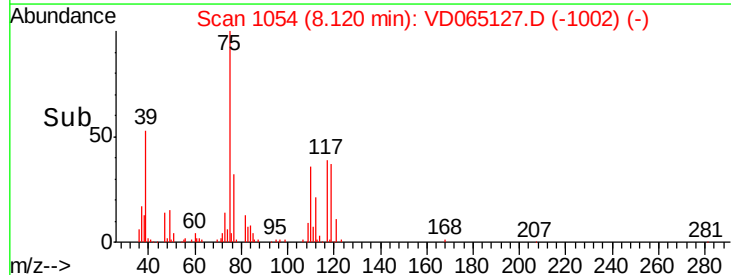
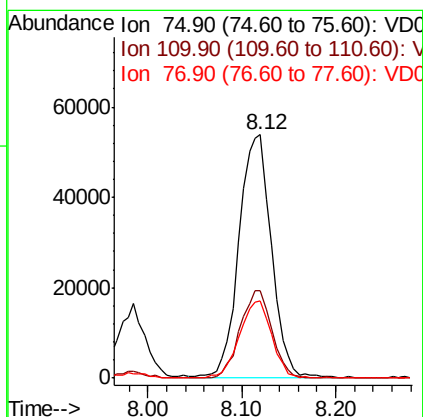
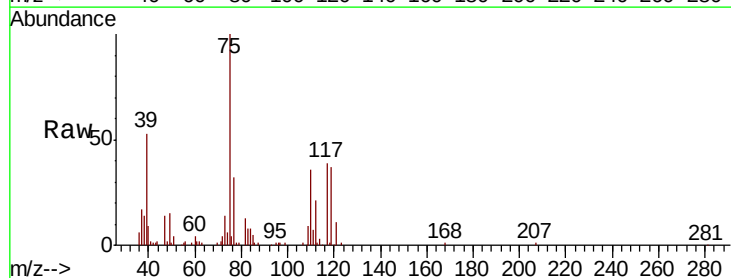
Instrument :
 MSVOA_D
 ClientSampleId :

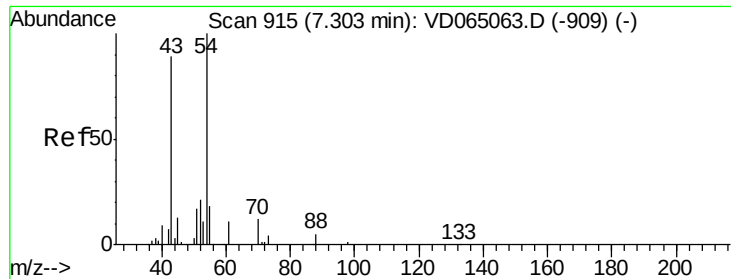
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.1	124.7
192	21.8	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 19.765 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	18.1	54.3
77	31.6	24.7	37.1

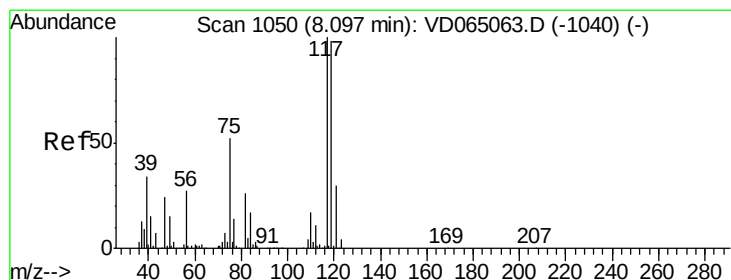
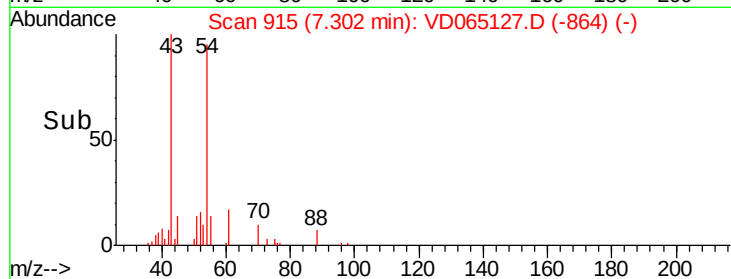
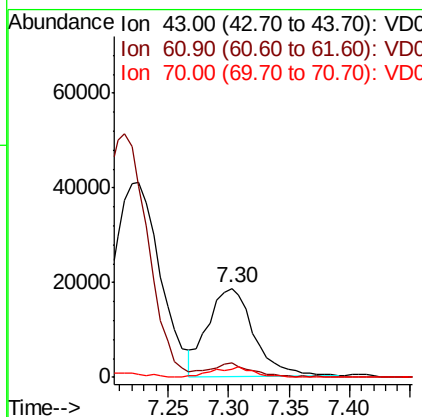
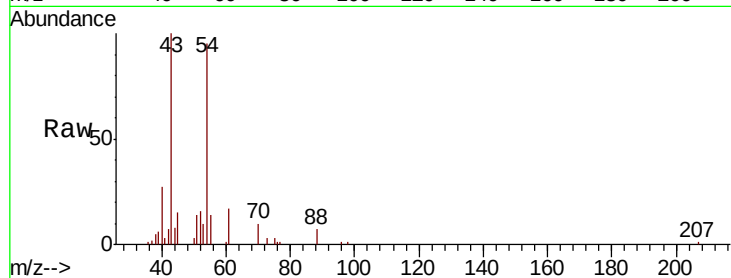




#37
Ethyl Acetate
Concen: 18.464 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

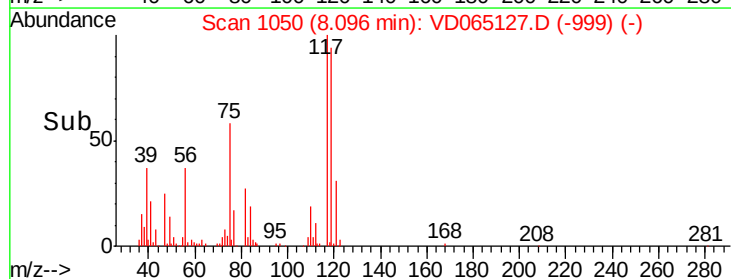
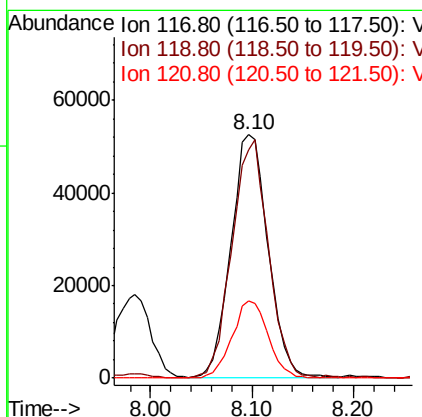
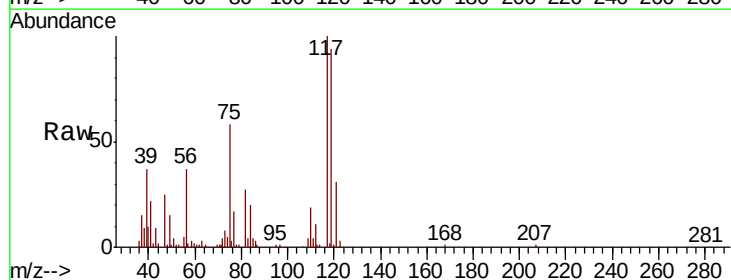
Instrument :
MSVOA_D
ClientSampleId :

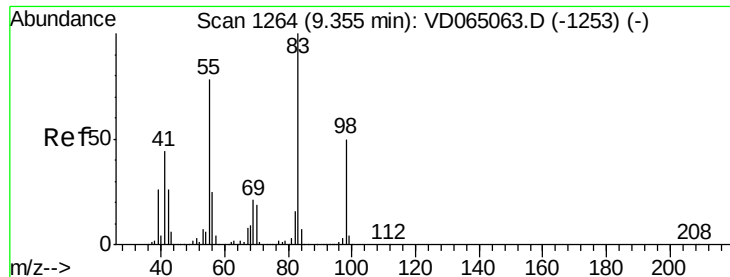
Tot Ion: 43 Resp: 49358
Ion Ratio Lower Upper
43 100
61 14.2 11.0 16.4
70 10.0 8.2 12.2



#38
Carbon Tetrachloride
Concen: 19.943 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion: 117 Resp: 133281
Ion Ratio Lower Upper
117 100
119 94.0 78.5 117.7
121 31.6 23.8 35.6

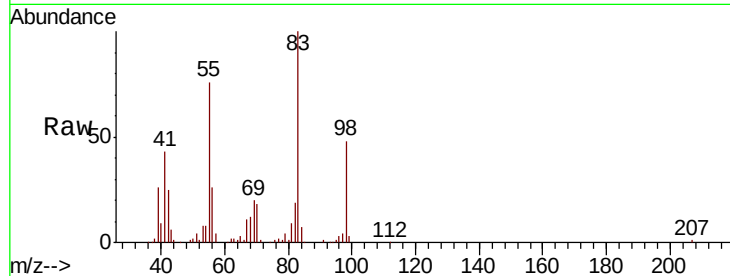




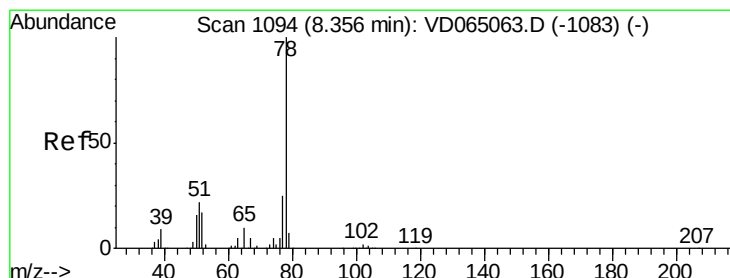
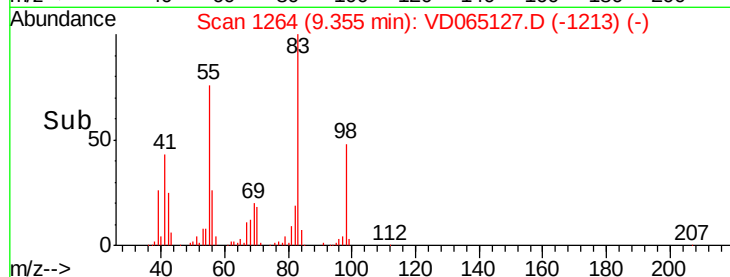
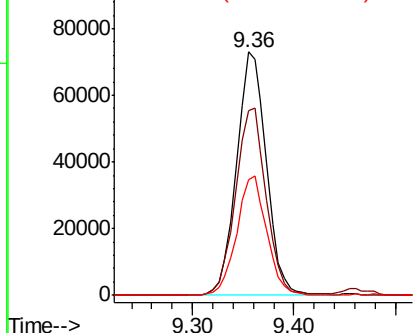
#39
Methylvlcyclohexane
Concen: 18.467 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 149152
Ion Ratio Lower Upper
83 100
55 76.1 62.0 93.0
98 47.7 39.9 59.9

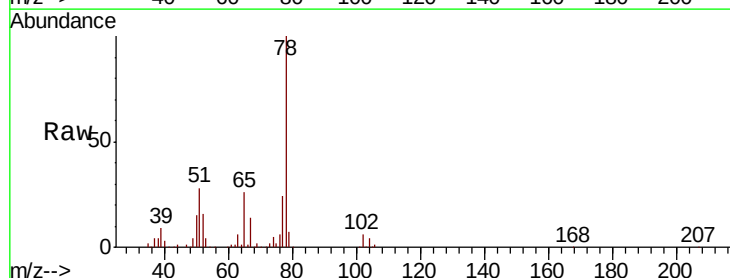


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

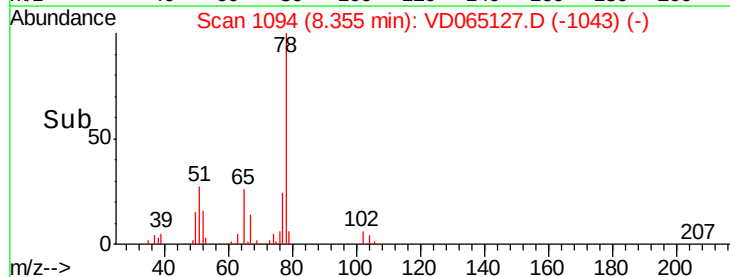
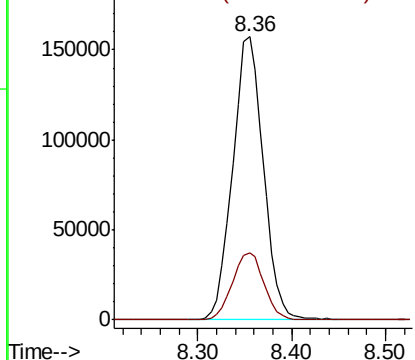


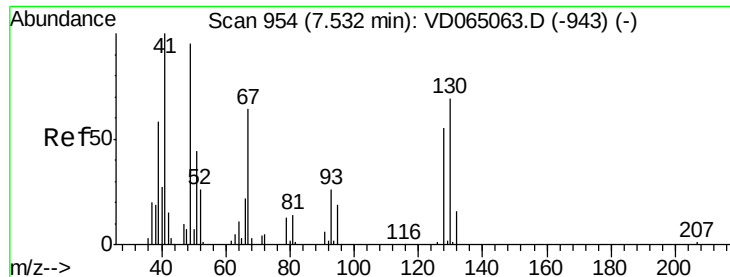
#40
Benzene
Concen: 19.716 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion: 78 Resp: 356250
Ion Ratio Lower Upper
78 100
77 23.7 19.6 29.4



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

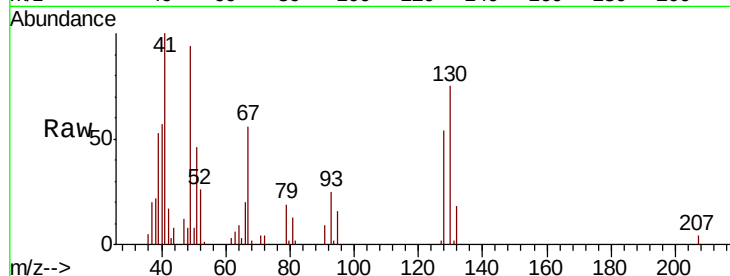




#41
Methacrylonitrile
Concen: 19.012 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	28000
Ion	Ratio	Lower	Upper
41	100		
39	46.0	55.4	83.0#
67	69.3	59.0	88.6
52	30.2	25.4	38.0



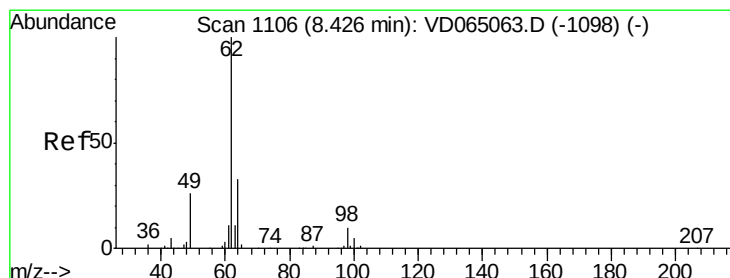
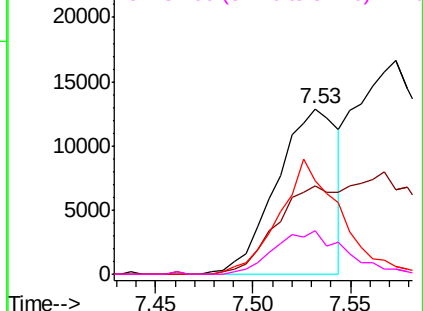
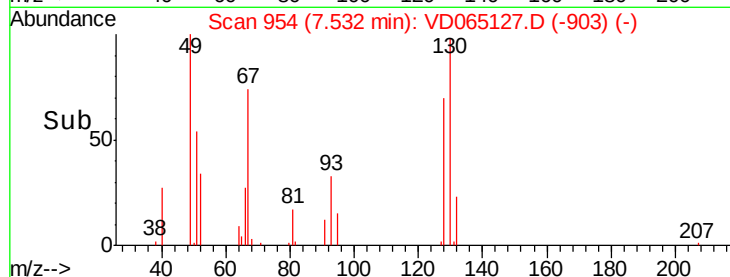
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

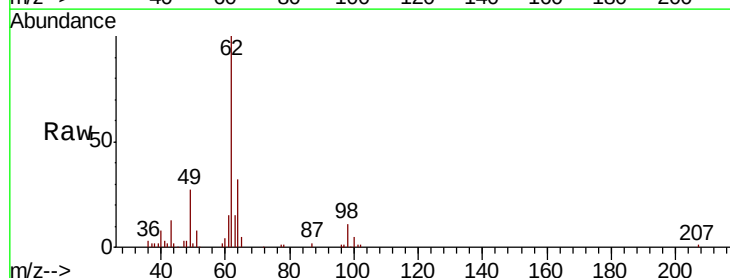
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42
1,2-Dichloroethane
Concen: 19.568 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

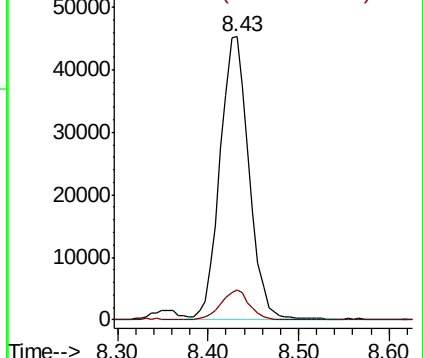
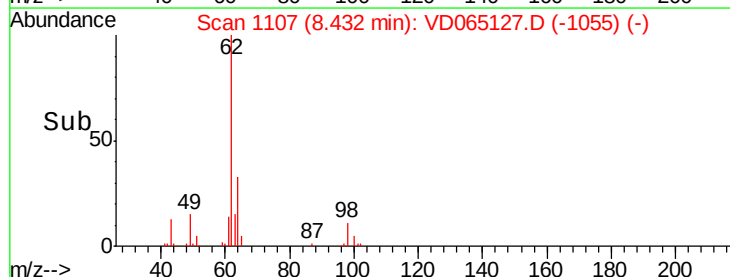
Tgt Ion:	62	Resp:	100751
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	18.6

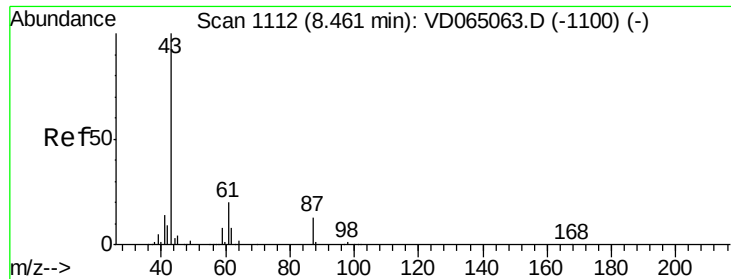


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 18.350 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

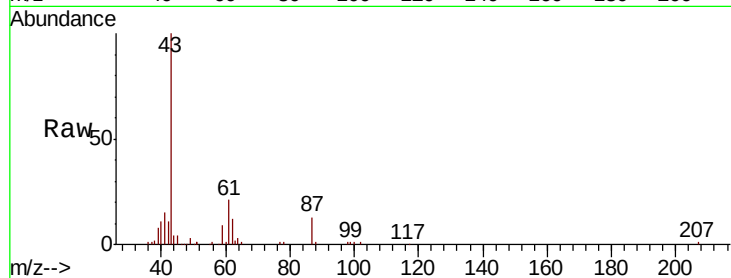
Tot Ion: 43 Resp: 93835

Ion Ratio Lower Upper

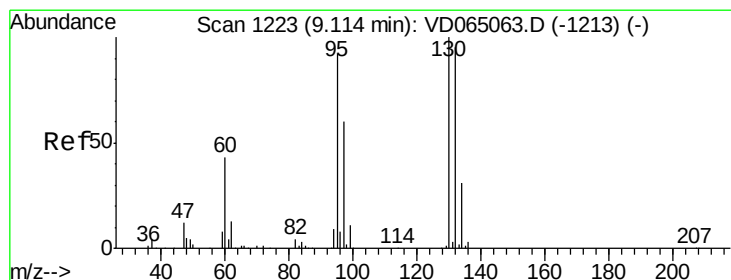
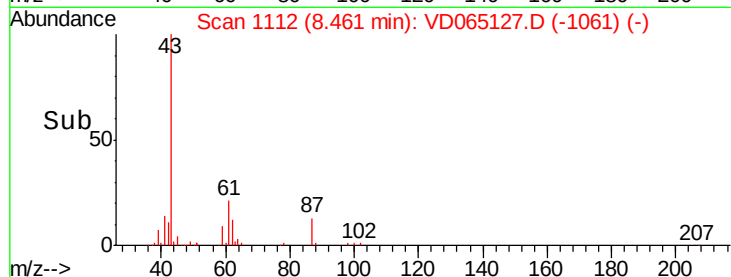
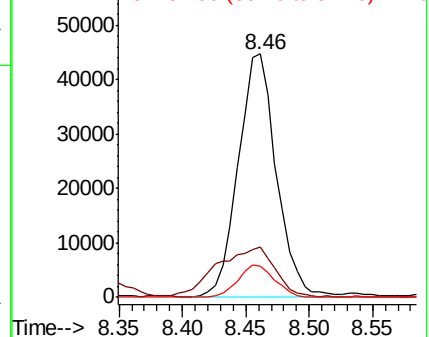
43 100

61 31.6 24.0 36.0

87 12.7 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: 19.397 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065127.D

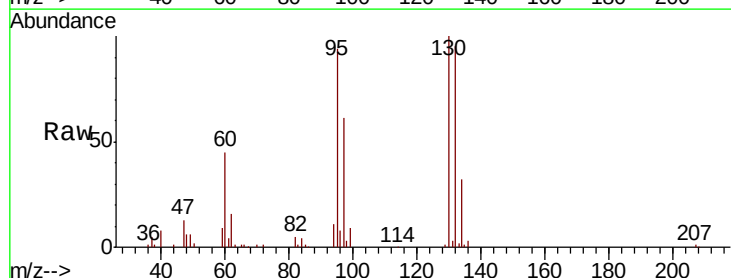
Acq: 10 Feb 2020 12:27

Tgt Ion:130 Resp: 100603

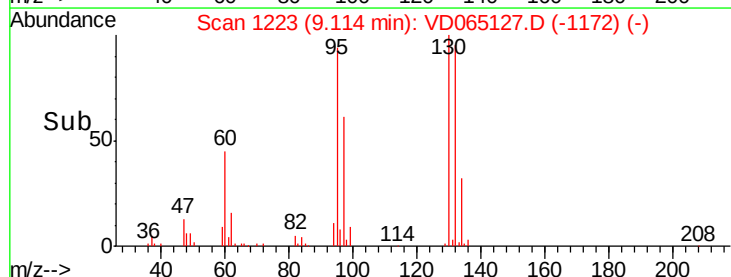
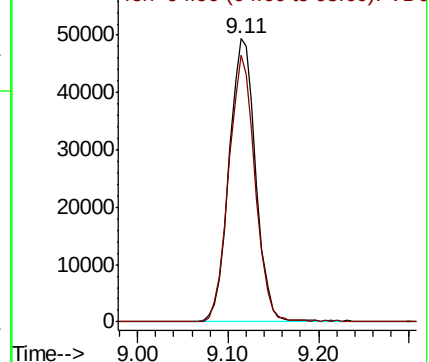
Ion Ratio Lower Upper

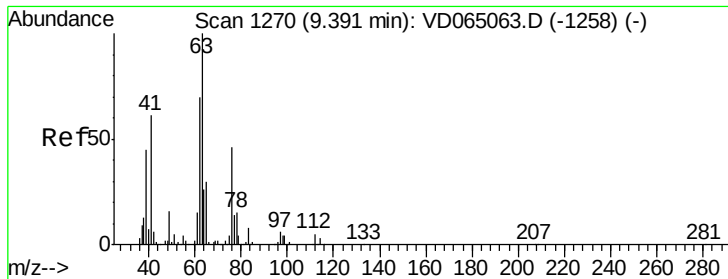
130 100

95 94.3 0.0 185.0



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

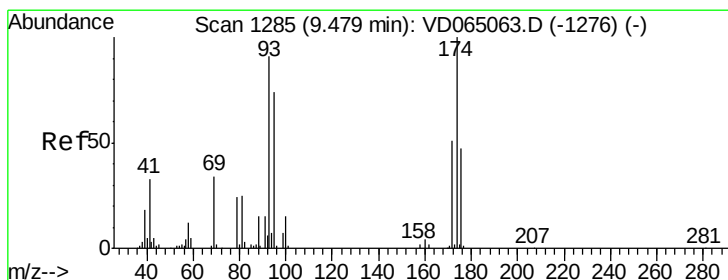
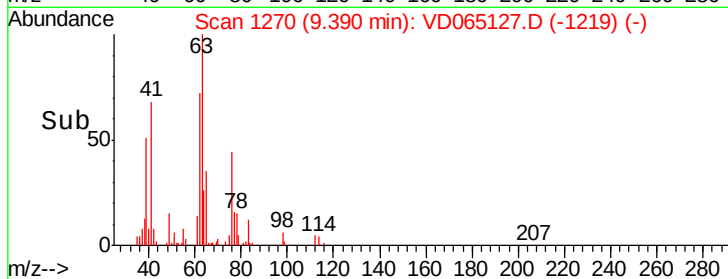
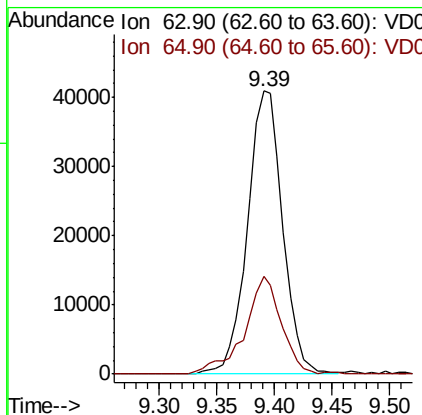
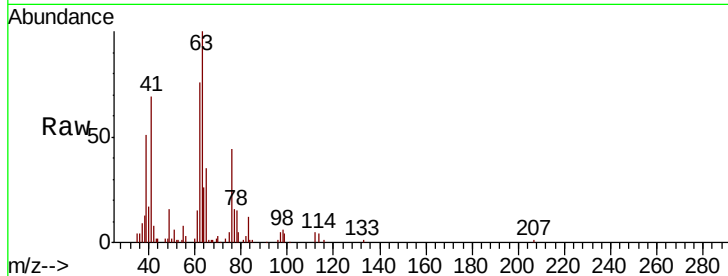




#45
 1,2-Dichloropropane
 Concen: 20.074 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

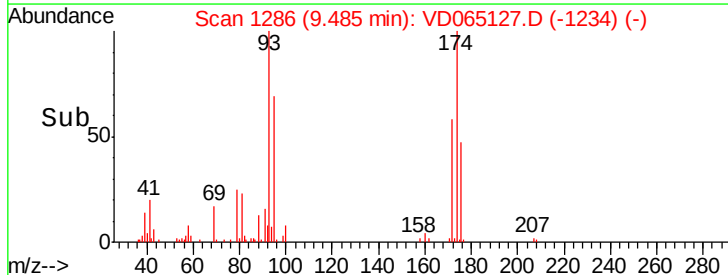
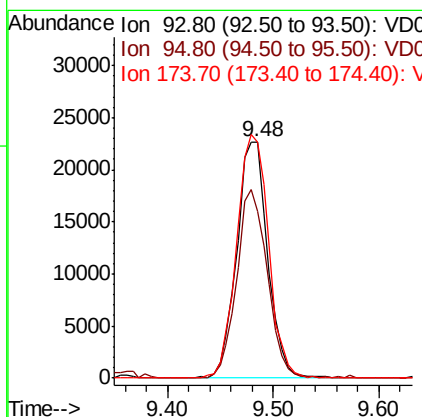
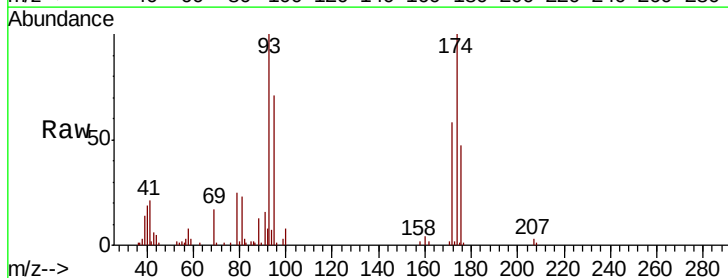
Instrument :
 MSVOA_D
 ClientSampleId :

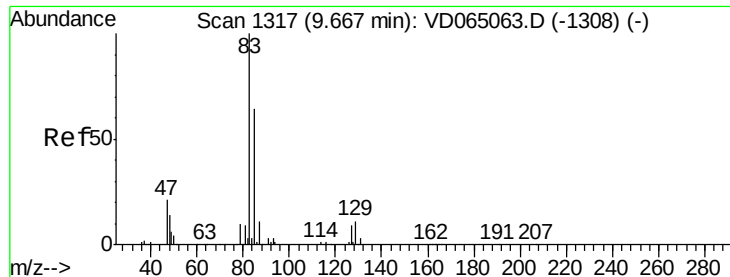
Tot Ion: 63 Resp: 86968
 Ion Ratio Lower Upper
 63 100
 65 34.7 23.9 35.9



#46
 Dibromomethane
 Concen: 20.261 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Tgt Ion: 93 Resp: 46126
 Ion Ratio Lower Upper
 93 100
 95 78.7 66.5 99.7
 174 105.8 89.8 134.8





#47

Bromodichloromethane

Concen: 20.573 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065127.D

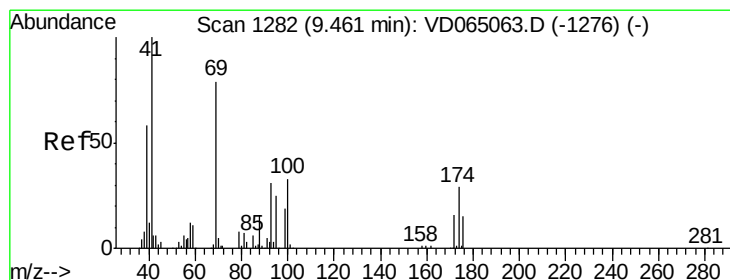
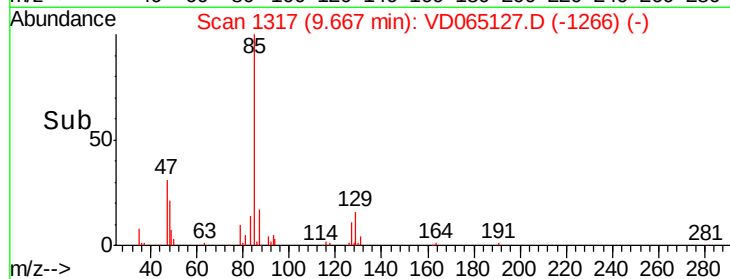
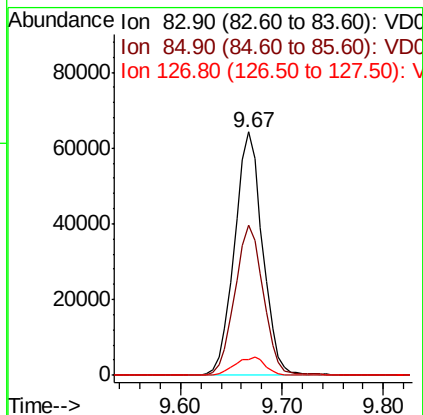
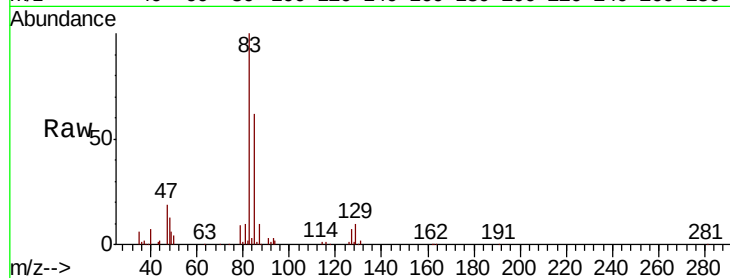
Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:	83	Resp:	123407
Ion	Ratio	Lower	Upper
83	100		
85	61.6	51.0	76.6
127	6.7	7.3	10.9#



#48

Methyl methacrylate

Concen: 17.369 ug/l

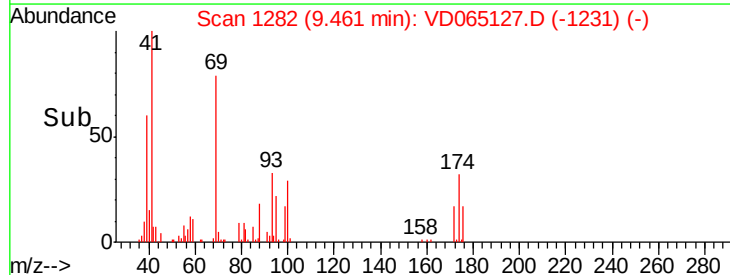
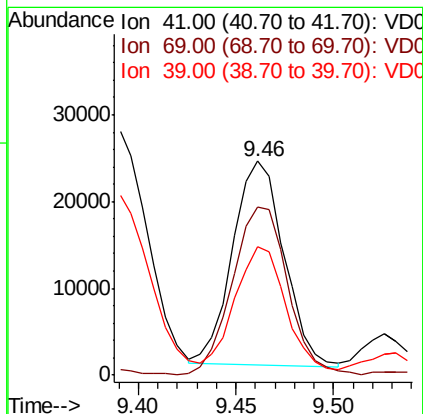
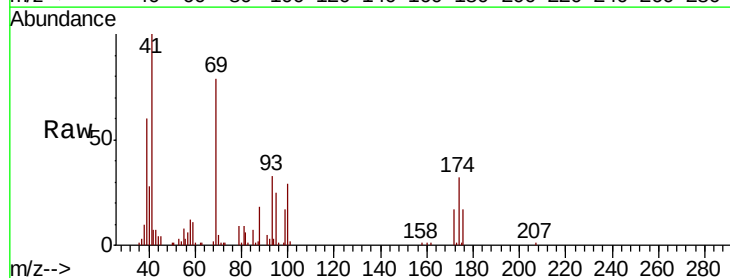
RT: 9.46 min Scan# 1282

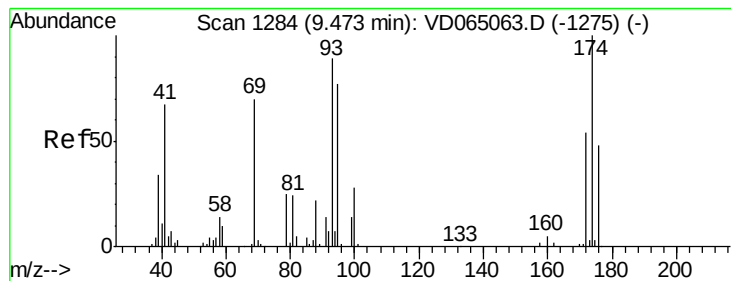
Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Tgt Ion:	41	Resp:	42741
Ion	Ratio	Lower	Upper
41	100		
69	89.3	67.5	101.3
39	58.0	47.0	70.4





#49

1,4-Dioxane

Concen: 387.256 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

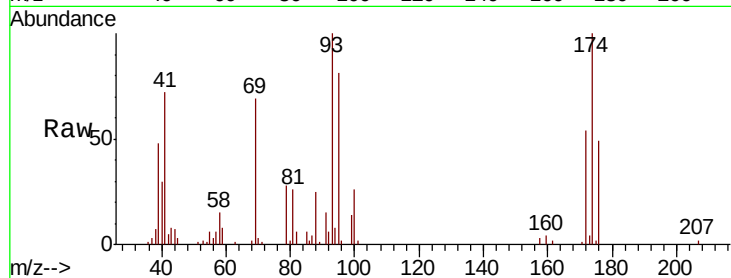
Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 10442

Ion	Ratio	Lower	Upper
88	100		
43	42.5	27.7	41.5#
58	71.6	55.5	83.3

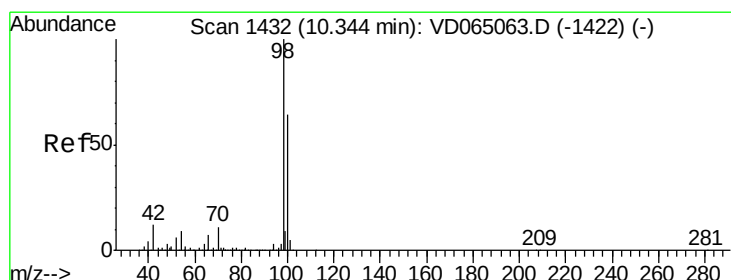
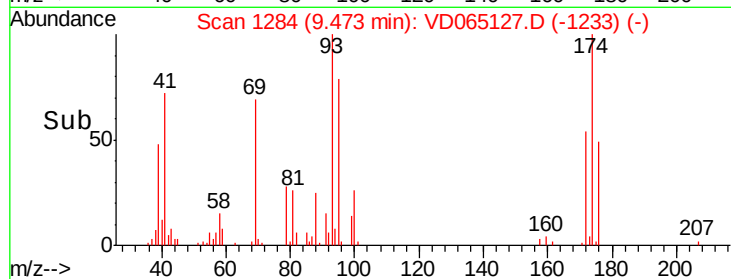
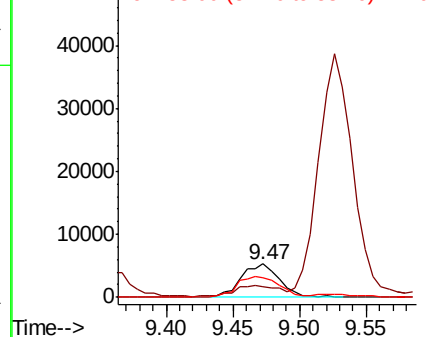


Abundance

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: 53.252 ug/l

RT: 10.34 min Scan# 1432

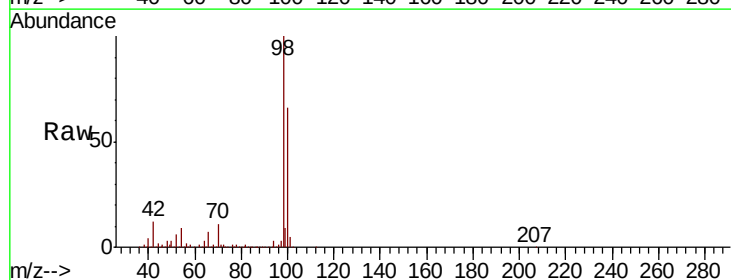
Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Tgt Ion: 98 Resp: 832206

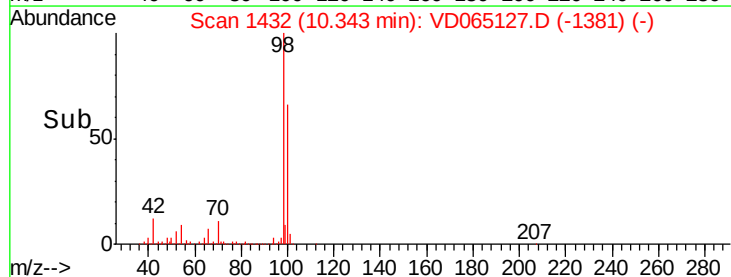
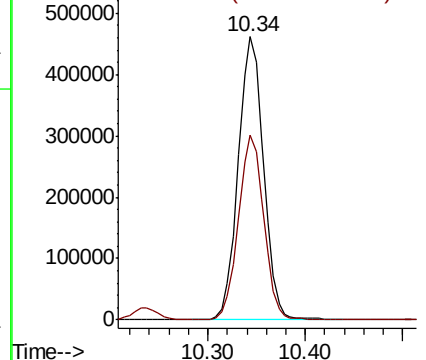
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.1	78.1

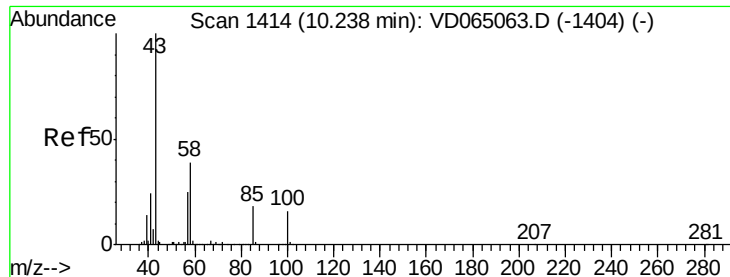


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 94.705 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

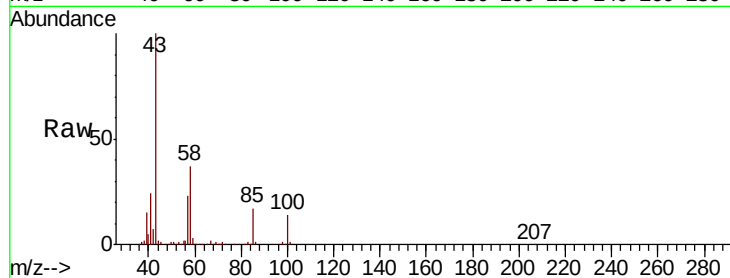
ClientSampled :

Tot Ion: 43 Resp: 238377

Ion Ratio Lower Upper

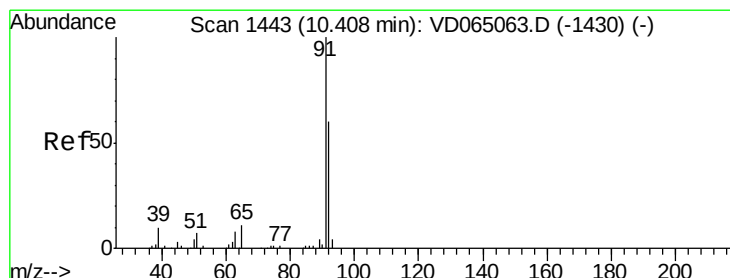
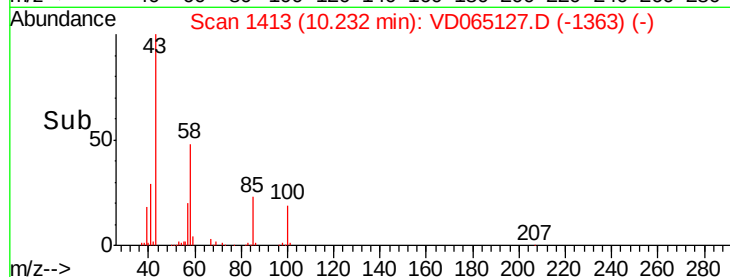
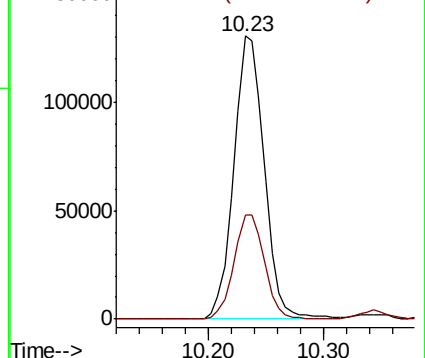
43 100

58 36.9 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 19.833 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065127.D

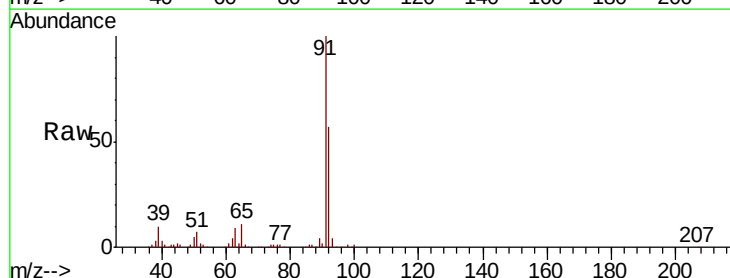
Acq: 10 Feb 2020 12:27

Tgt Ion: 92 Resp: 228733

Ion Ratio Lower Upper

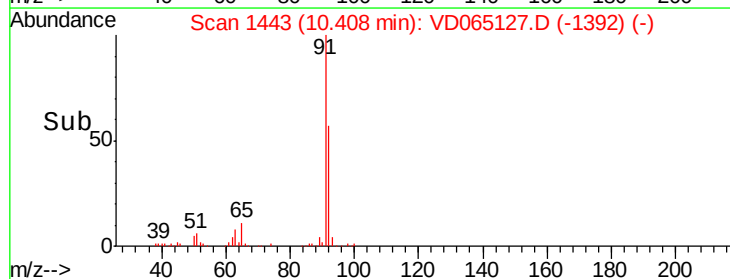
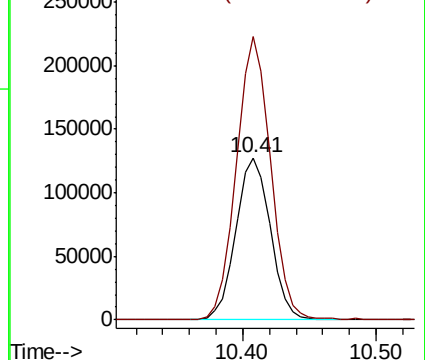
92 100

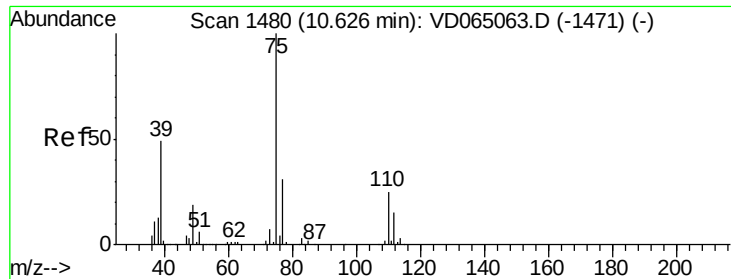
91 172.5 135.3 202.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

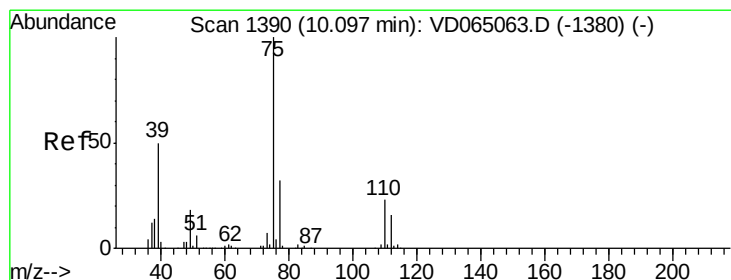
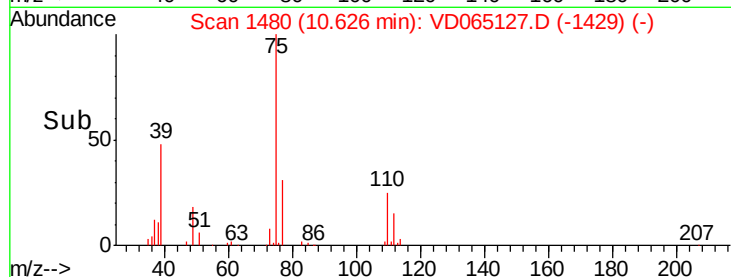
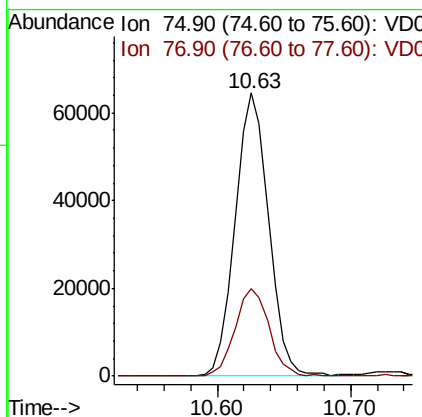
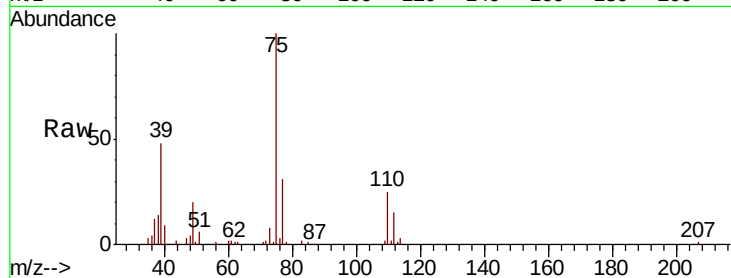




#53
t-1,3-Dichloropropene
Concen: 19.172 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

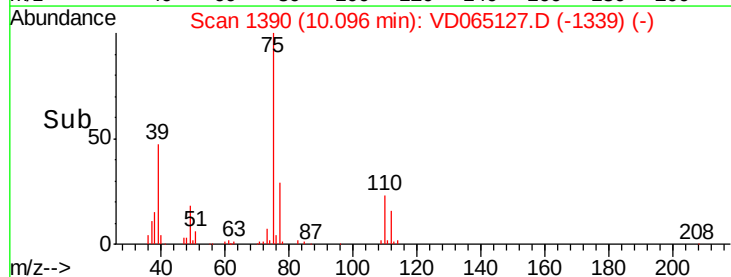
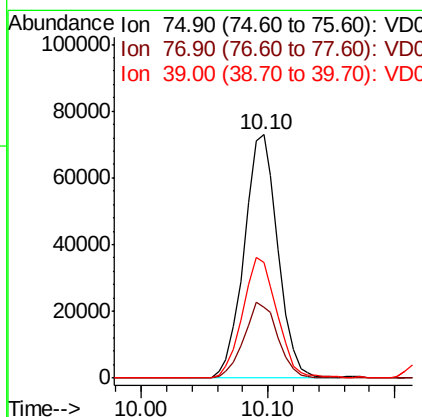
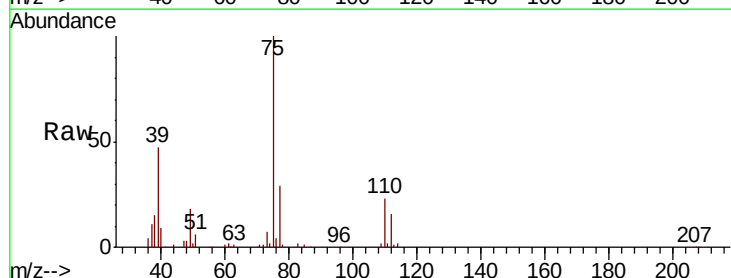
Instrument :
MSVOA_D
ClientSampleId :

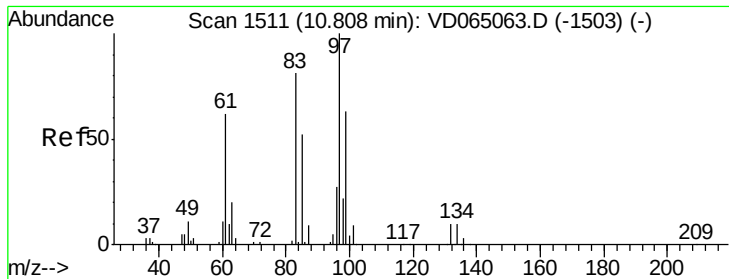
Tot Ion: 75 Resp: 111970
Ion Ratio Lower Upper
75 100
77 31.1 24.9 37.3



#54
cis-1,3-Dichloropropene
Concen: 19.294 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion: 75 Resp: 134767
Ion Ratio Lower Upper
75 100
77 29.1 25.3 37.9
39 47.4 40.3 60.5





#55

1,1,2-Trichloroethane

Concen: 19.809 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 61855

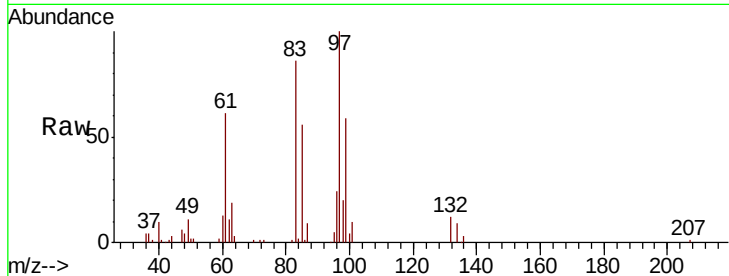
Ion	Ratio	Lower	Upper
97	100		
83	86.0	64.8	97.2
85	56.5	41.2	61.8
99	58.9	50.3	75.5

97 100

83 86.0 64.8 97.2

85 56.5 41.2 61.8

99 58.9 50.3 75.5



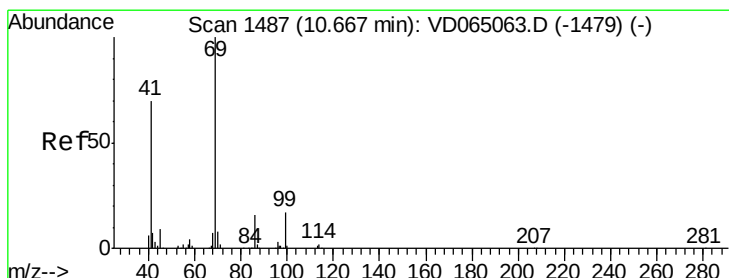
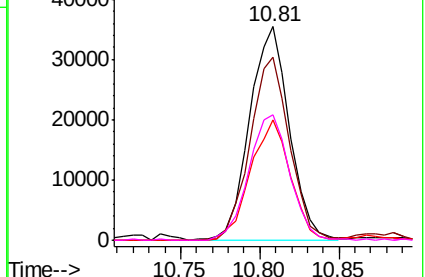
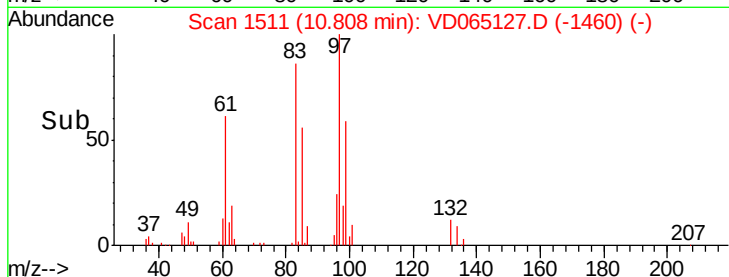
Abundance Ion 96.90 (96.60 to 97.60): VDC

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

Time-->



#56

Ethyl methacrylate

Concen: 18.021 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

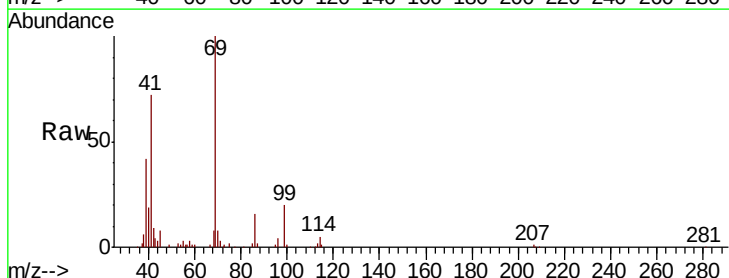
Tgt Ion: 69 Resp: 71202

Ion	Ratio	Lower	Upper
69	100		
41	70.1	55.9	83.9
39	37.0	29.4	44.0

69 100

41 70.1 55.9 83.9

39 37.0 29.4 44.0

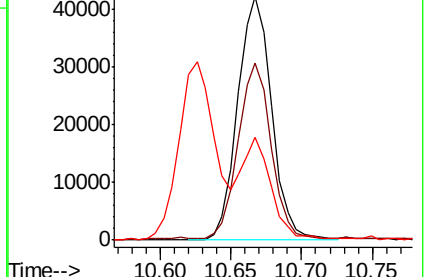
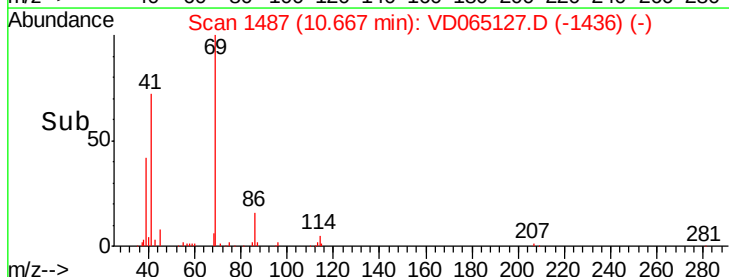


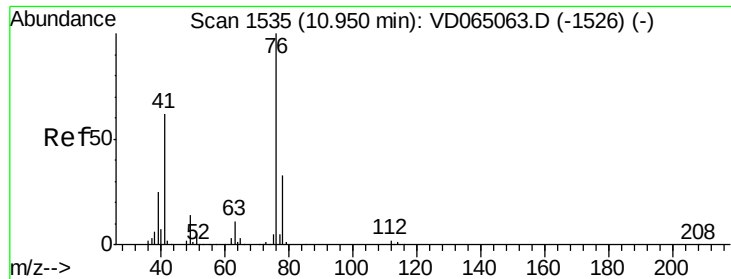
Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Time-->

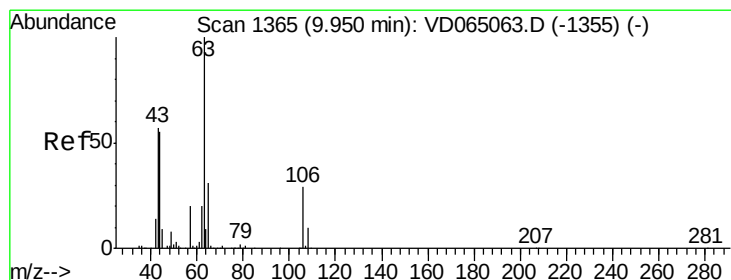
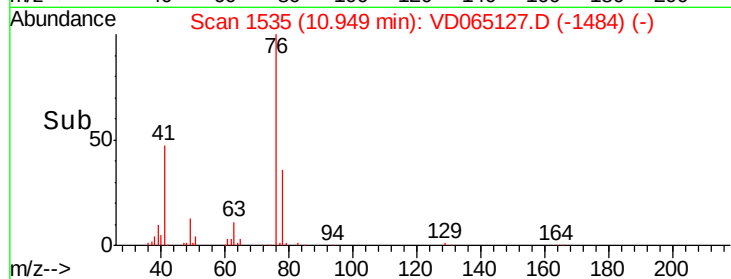
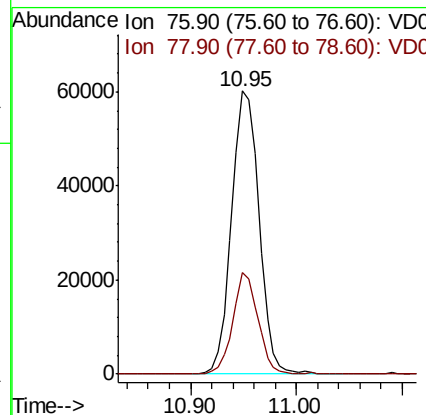
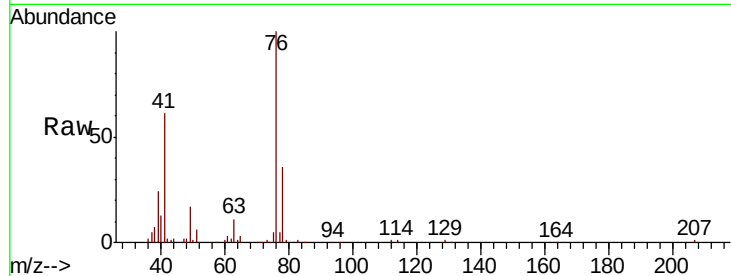




#57
 1,3-Dichloropropane
 Concen: 19.755 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

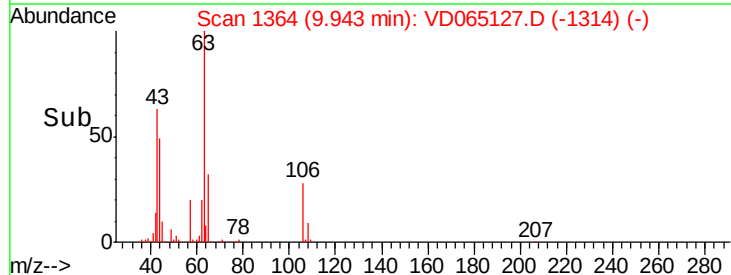
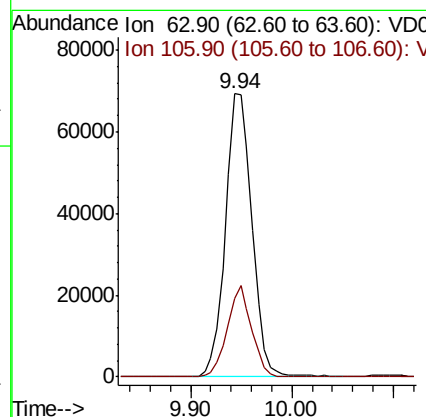
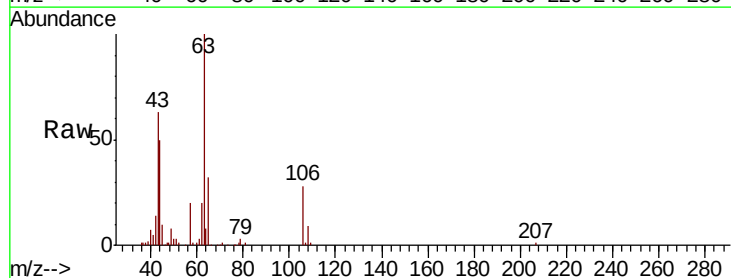
Instrument :
 MSVOA_D
 ClientSampleId :

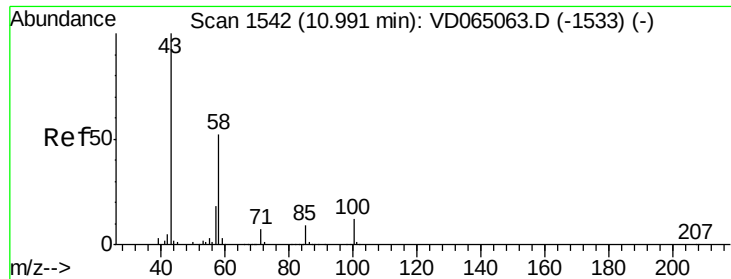
Tot Ion: 76 Resp: 108470
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.072 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Tgt Ion: 63 Resp: 125786
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.3 34.9

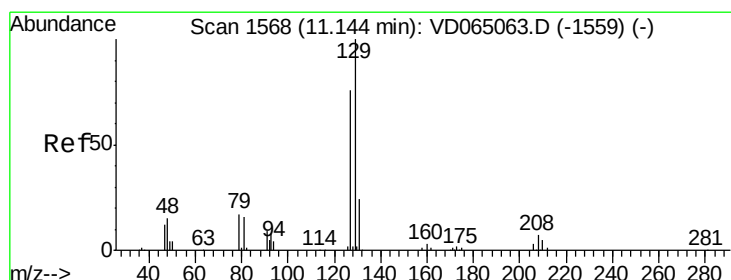
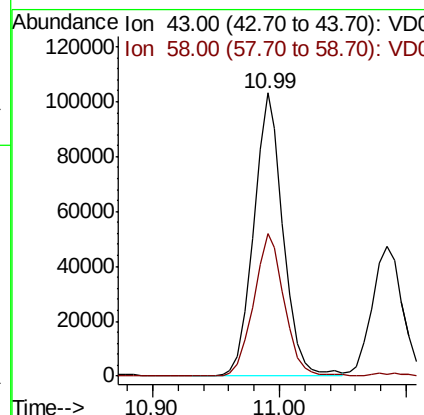
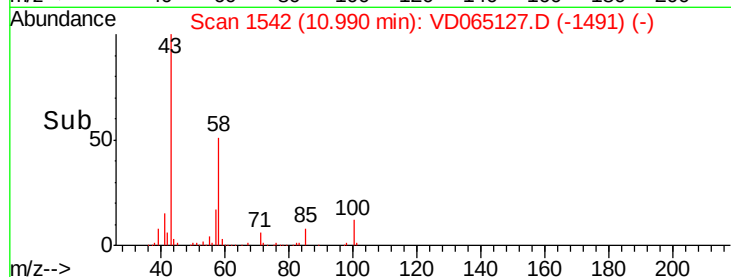
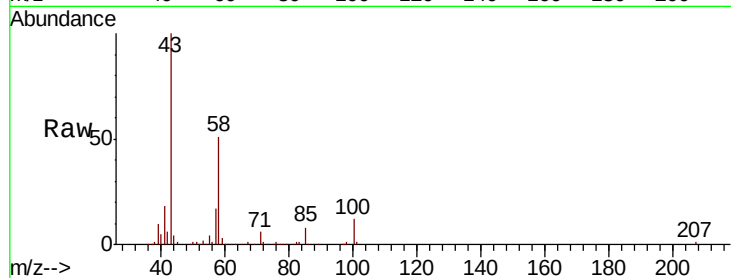




#59
2-Hexanone
Concen: 93.263 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

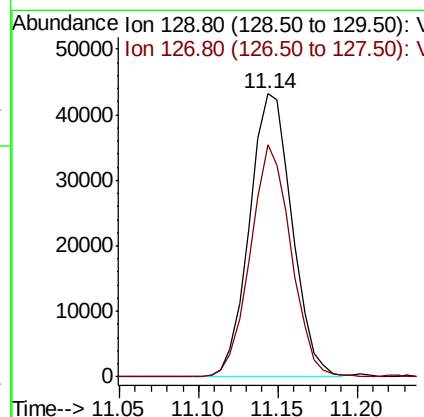
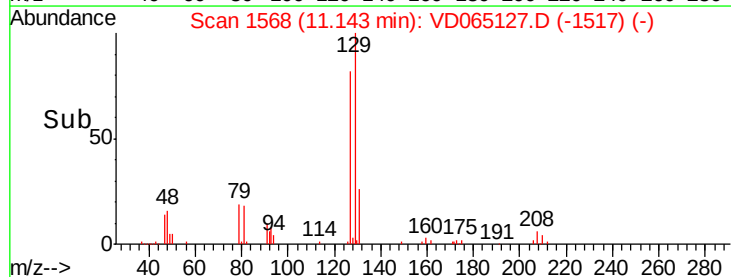
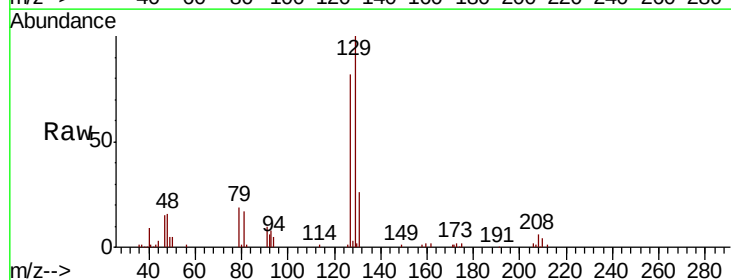
Instrument :
MSVOA_D
ClientSampled :

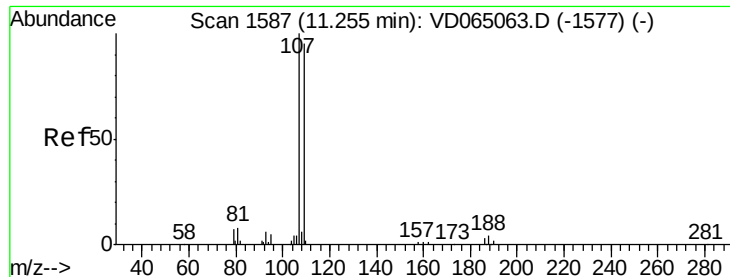
Tot Ion: 43 Resp: 166277
Ion Ratio Lower Upper
43 100
58 52.2 26.2 78.6



#60
Dibromochloromethane
Concen: 19.959 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion: 129 Resp: 80725
Ion Ratio Lower Upper
129 100
127 78.4 38.3 114.9





#61

1,2-Dibromoethane

Concen: 19.299 ug/l

RT: 11.26 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

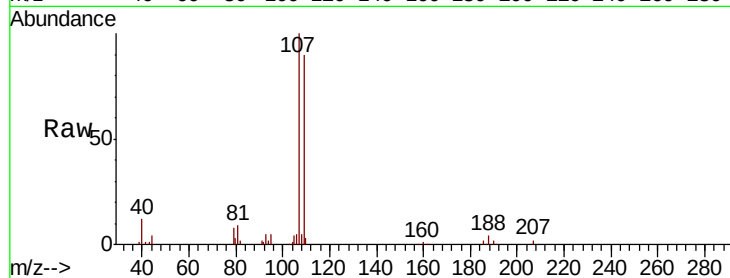
ClientSampleId :

Tot Ion:107 Resp: 58885

Ion Ratio Lower Upper

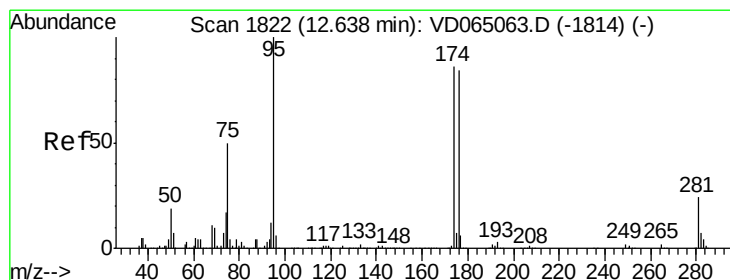
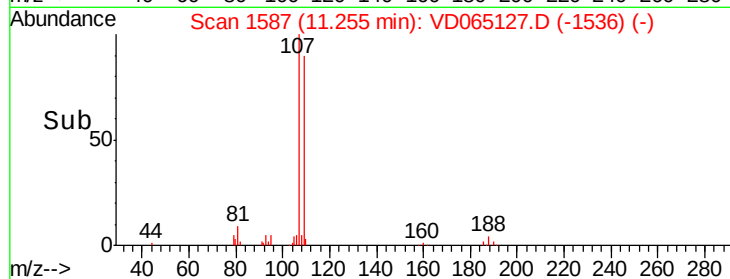
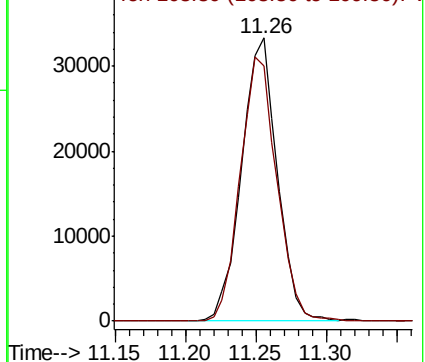
107 100

109 95.9 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.866 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

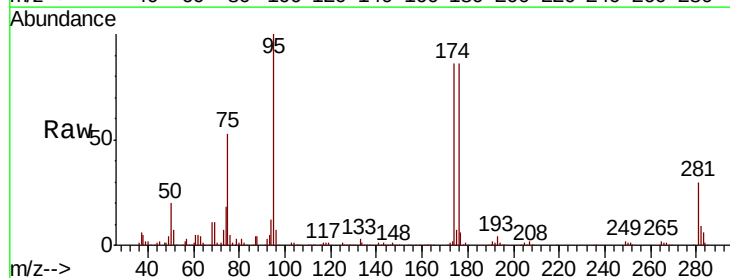
Tgt Ion: 95 Resp: 256831

Ion Ratio Lower Upper

95 100

174 89.4 0.0 180.0

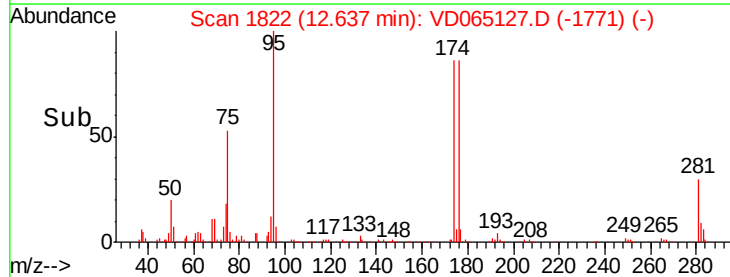
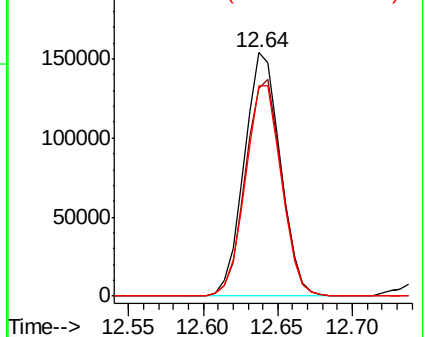
176 86.6 0.0 173.2

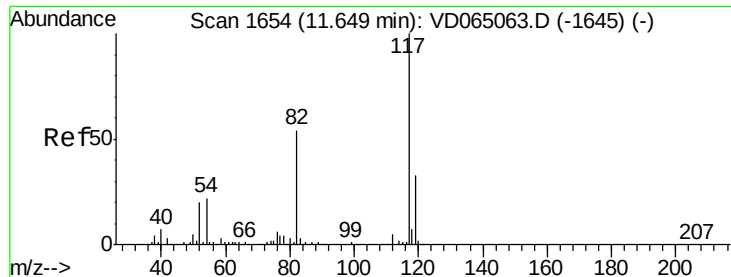


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

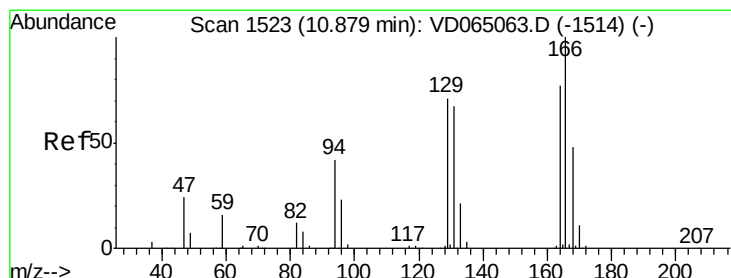
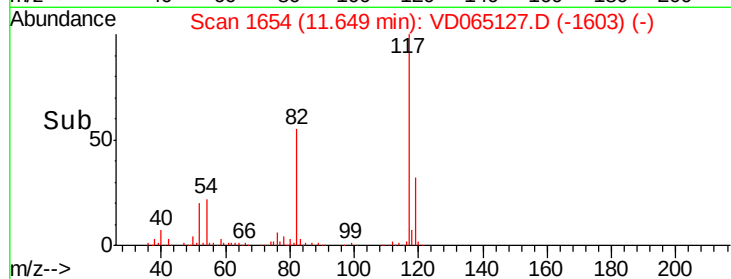
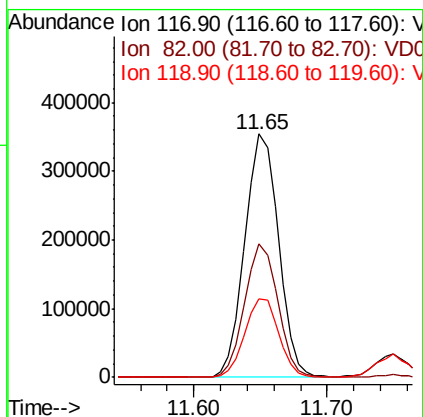
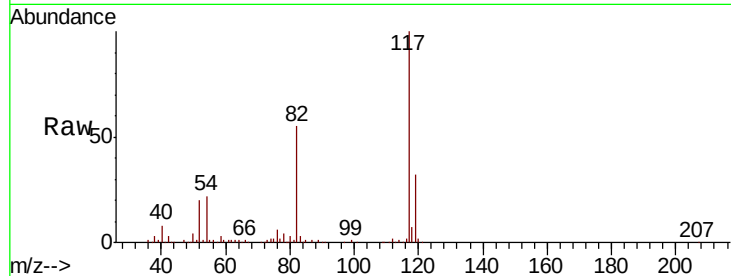




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

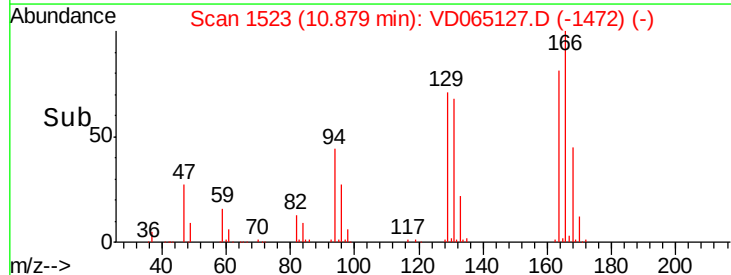
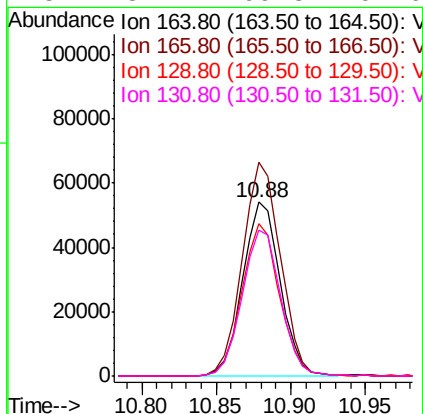
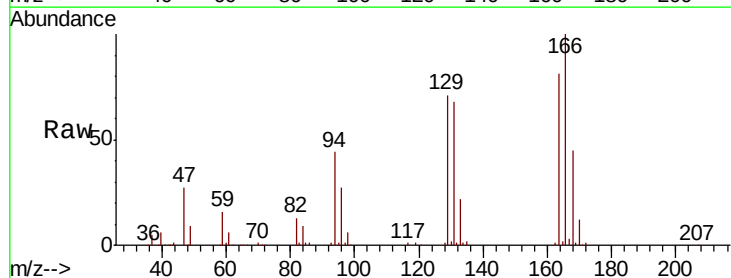
Instrument :
MSVOA_D
ClientSampled :

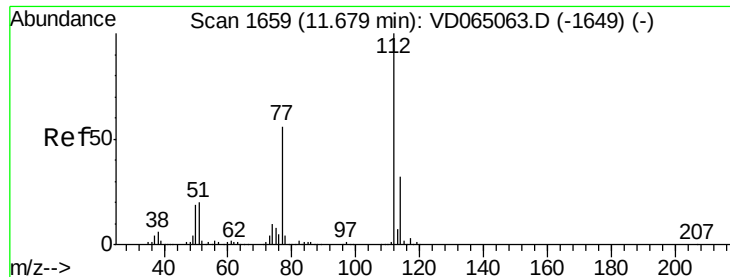
Tot Ion:117 Resp: 620268
Ion Ratio Lower Upper
117 100
82 54.8 43.1 64.7
119 32.0 26.0 39.0



#64
Tetrachloroethene
Concen: 21.041 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion:164 Resp: 93780
Ion Ratio Lower Upper
164 100
166 123.1 103.5 155.3
129 87.7 73.3 109.9
131 84.1 69.8 104.6

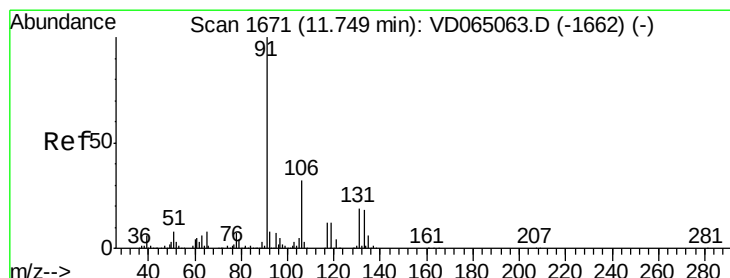
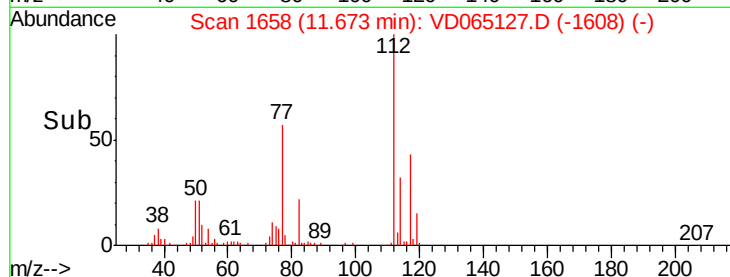
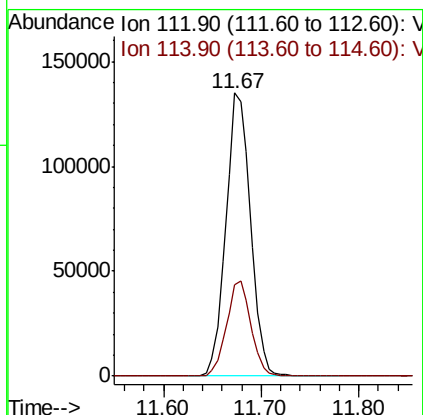
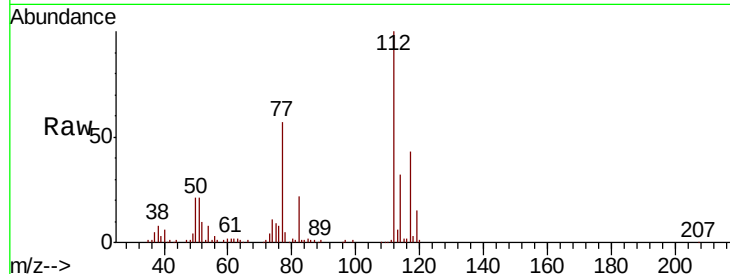




#65
Chlorobenzene
Concen: 19.707 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

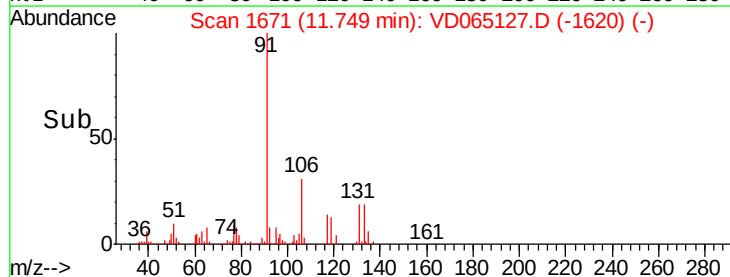
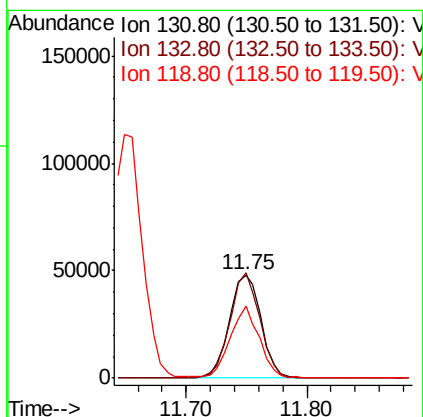
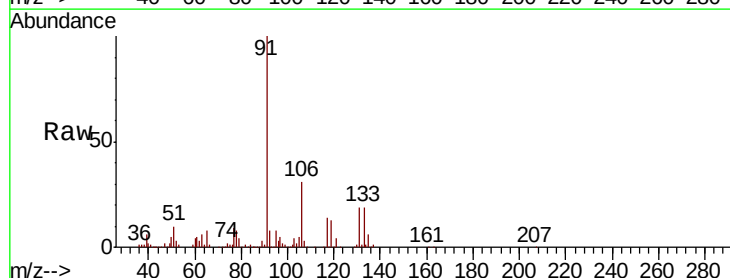
Instrument :
MSVOA_D
ClientSampled :

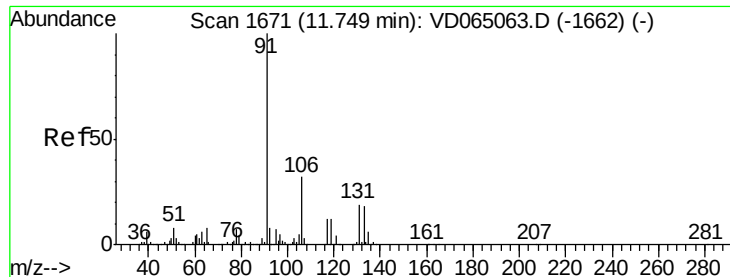
Tot Ion:112 Resp: 236419
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.813 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion:131 Resp: 87727
Ion Ratio Lower Upper
131 100
133 96.3 47.7 143.1
119 63.9 31.3 93.8





#67

Ethyl Benzene

Concen: 19.443 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

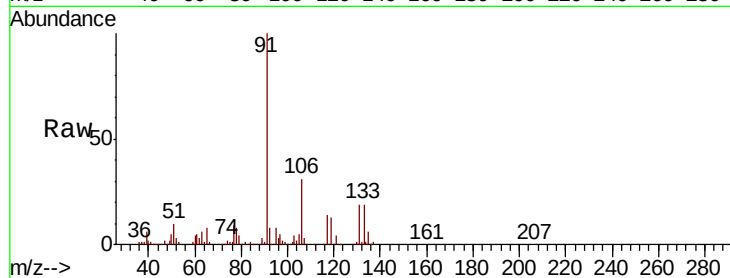
ClientSampleId :

Tot Ion: 91 Resp: 423792

Ion Ratio Lower Upper

91 100

106 30.9 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

400000

300000

200000

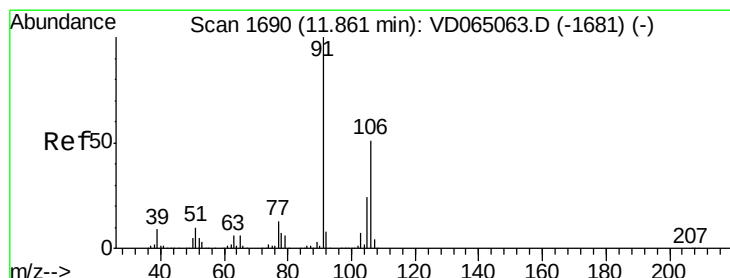
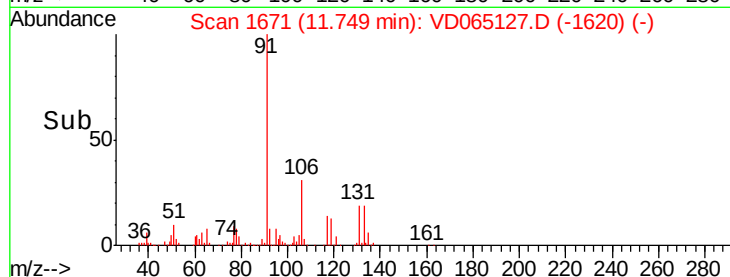
100000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 39.387 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065127.D

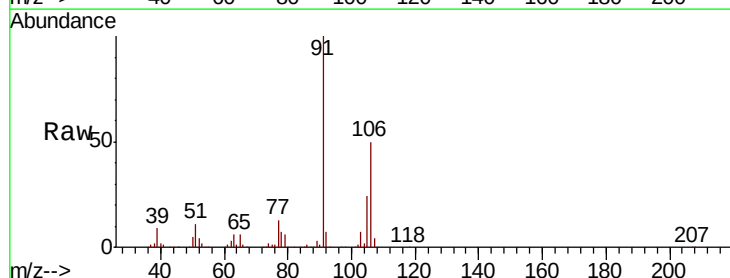
Acq: 10 Feb 2020 12:27

Tgt Ion: 106 Resp: 327657

Ion Ratio Lower Upper

106 100

91 198.9 158.9 238.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

400000

300000

200000

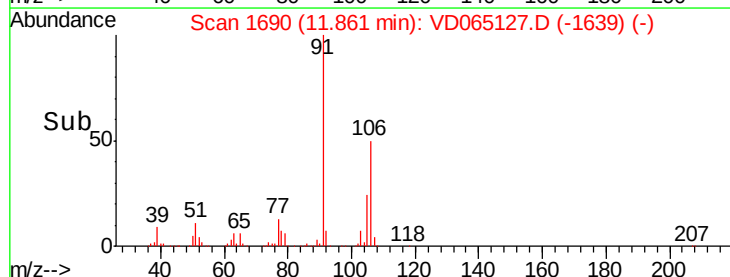
100000

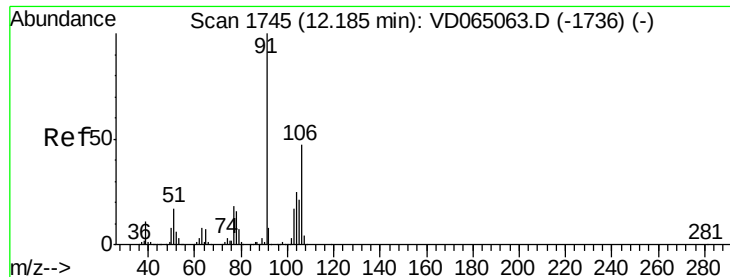
0

11.86

11.90

Time-->

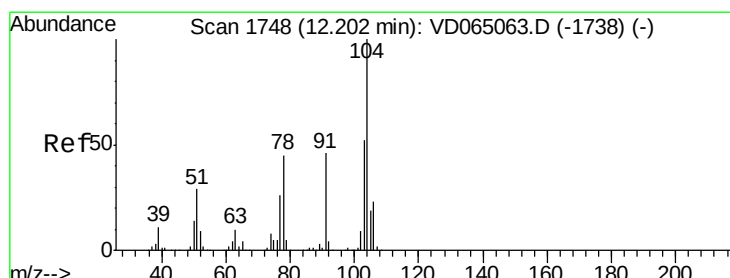
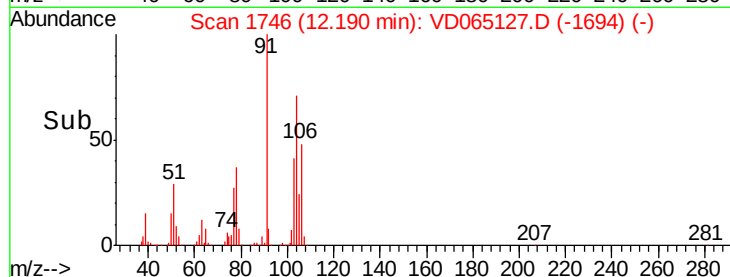
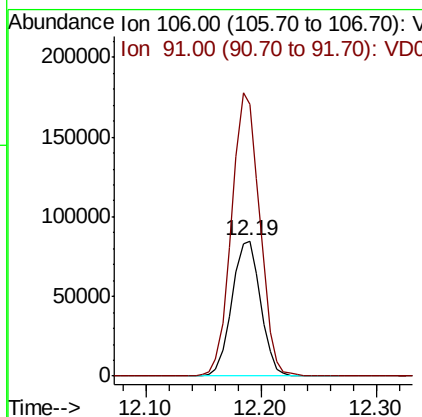
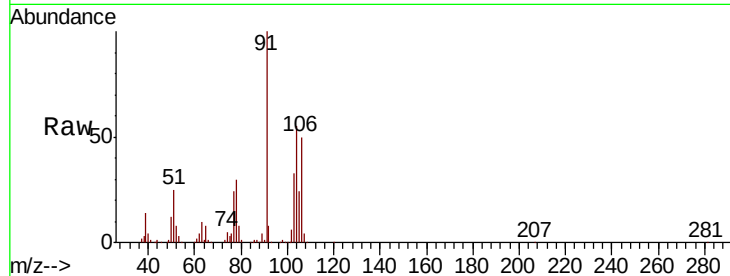




#69
o-Xylene
Concen: 19.485 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

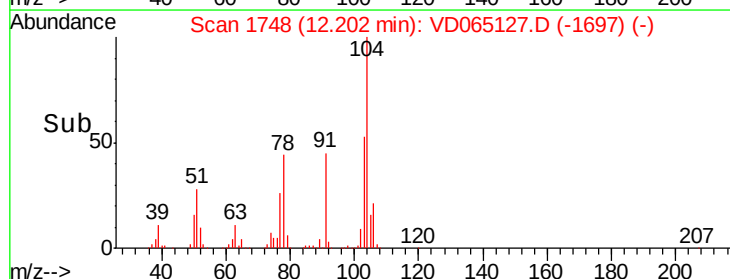
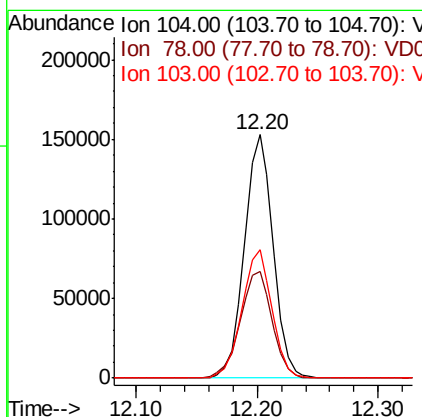
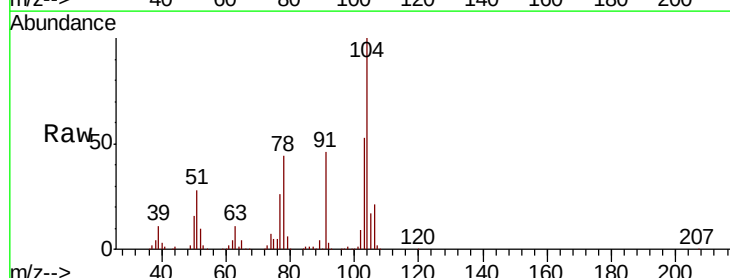
Instrument :
MSVOA_D
ClientSampled :

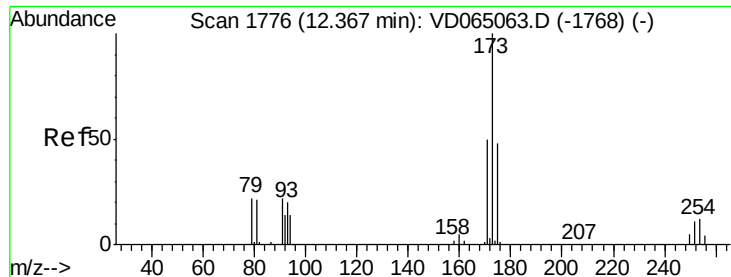
Tot Ion:106 Resp: 145967
Ion Ratio Lower Upper
106 100
91 206.3 104.7 313.9



#70
Styrene
Concen: 19.466 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion:104 Resp: 253456
Ion Ratio Lower Upper
104 100
78 48.6 38.5 57.7
103 55.0 43.8 65.8





#71

Bromoform

Concen: 19.654 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

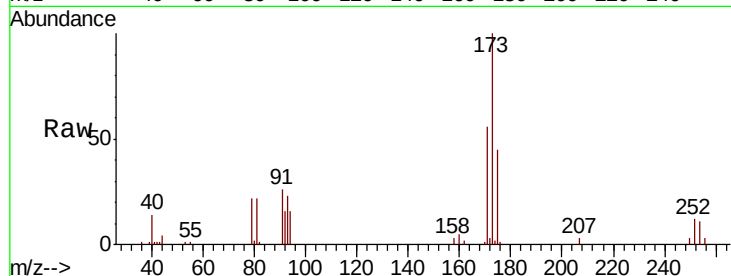
Tot Ion:173 Resp: 46842

Ion Ratio Lower Upper

173 100

175 47.6 24.3 72.8

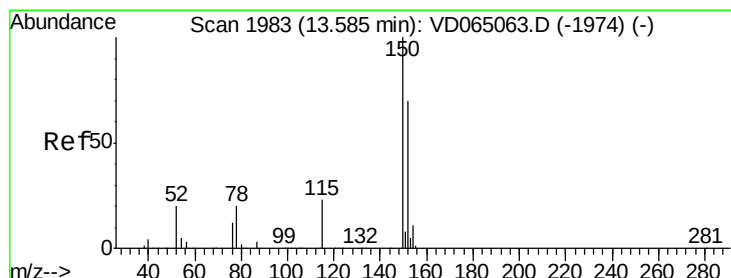
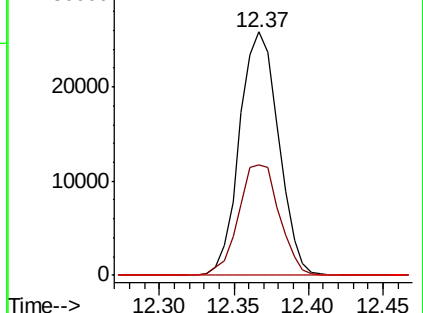
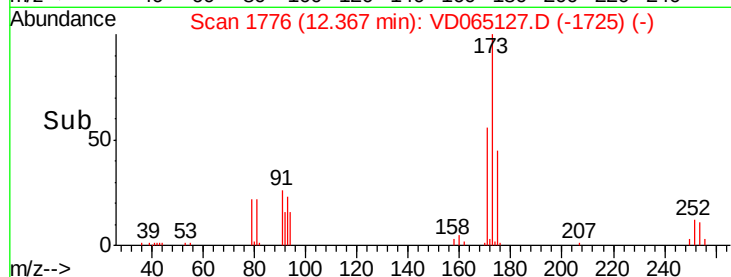
254 0.0 0.1 0.1#



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: VD065127.D

Acq: 10 Feb 2020 12:27

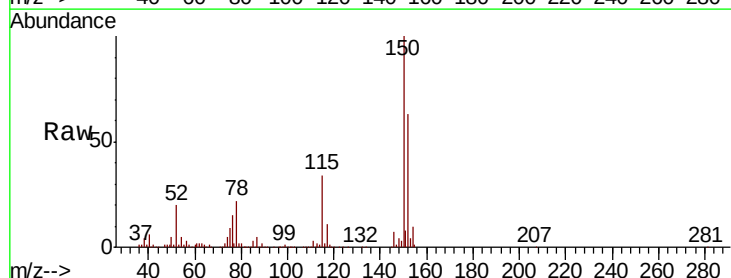
Tgt Ion:152 Resp: 305457

Ion Ratio Lower Upper

152 100

115 55.4 27.5 82.4

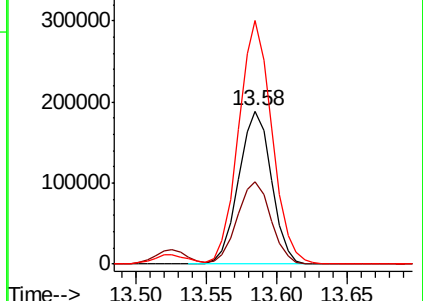
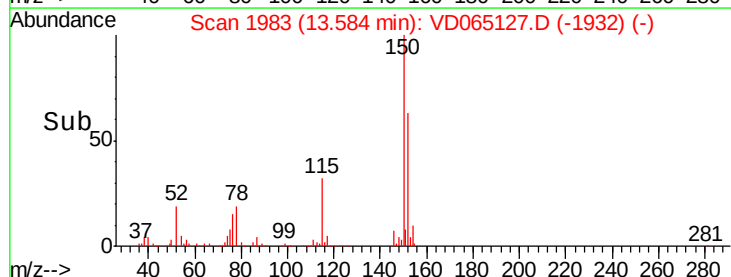
150 162.6 0.0 343.2

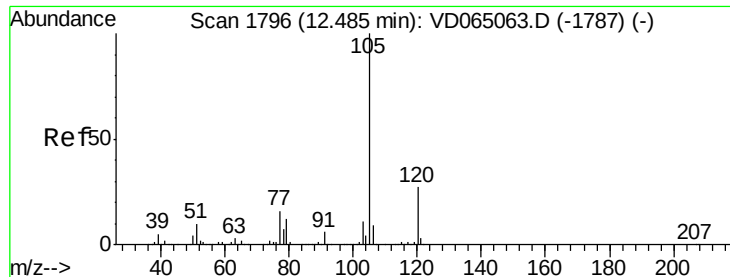


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.844 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

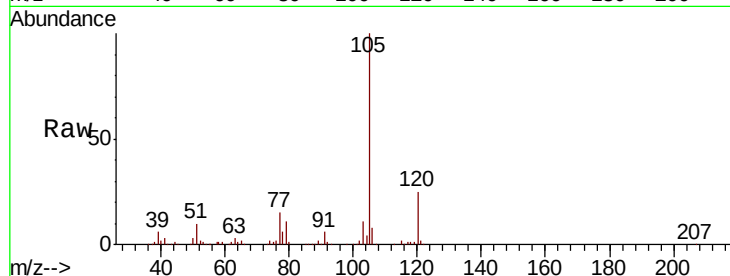
ClientSampled :

Tot Ion:105 Resp: 395073

Ion Ratio Lower Upper

105 100

120 26.0 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

250000

200000

150000

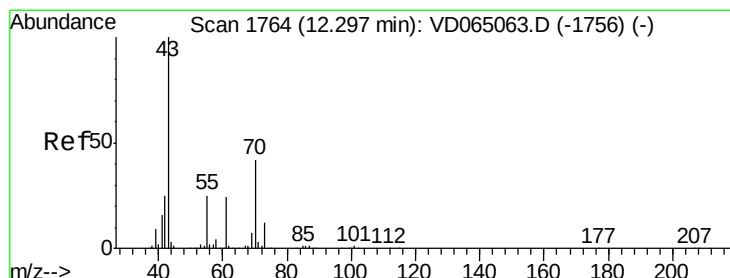
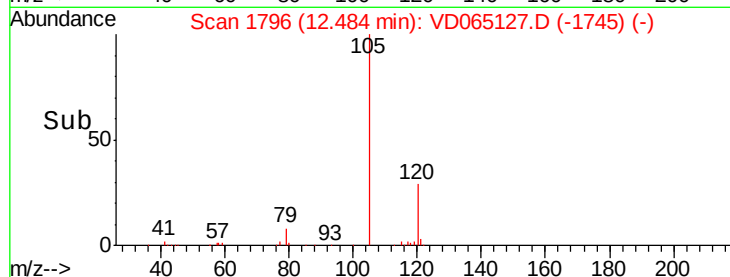
100000

50000

0

Time-->

12.40 12.50 12.60



#74

N-amyl acetate

Concen: 17.855 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Tgt Ion: 43 Resp: 81366

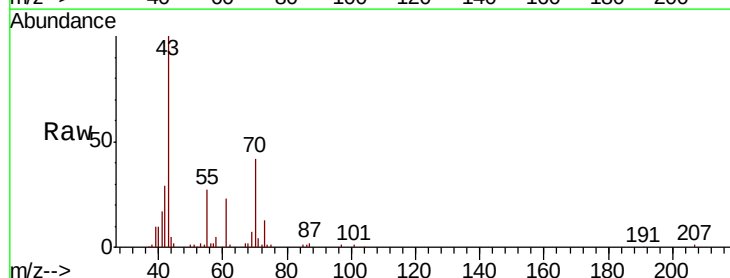
Ion Ratio Lower Upper

43 100

70 41.6 33.5 50.3

55 27.0 19.4 29.2

61 23.3 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

60000

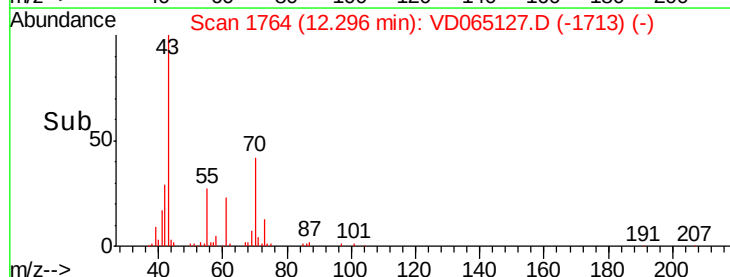
40000

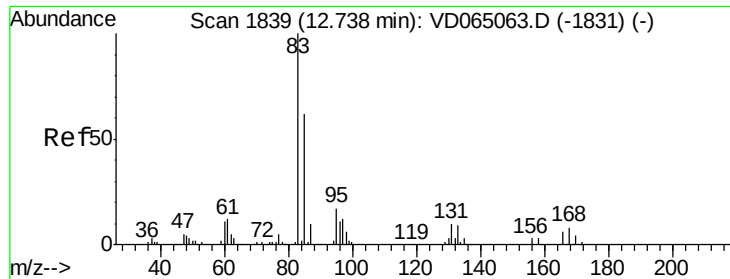
20000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 19.851 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

ClientSampled :

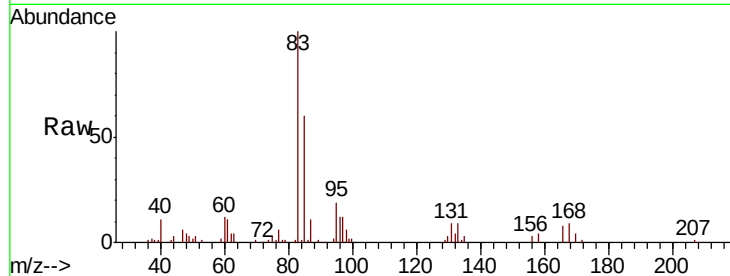
Tot Ion: 83 Resp: 65502

Ion Ratio Lower Upper

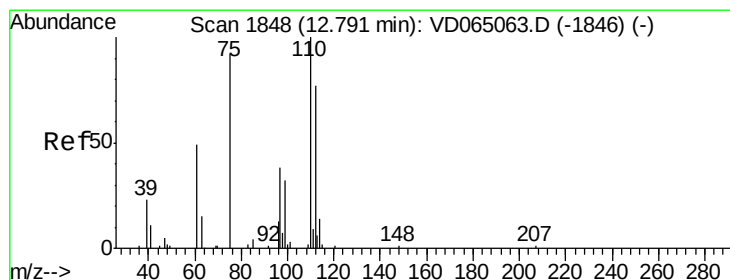
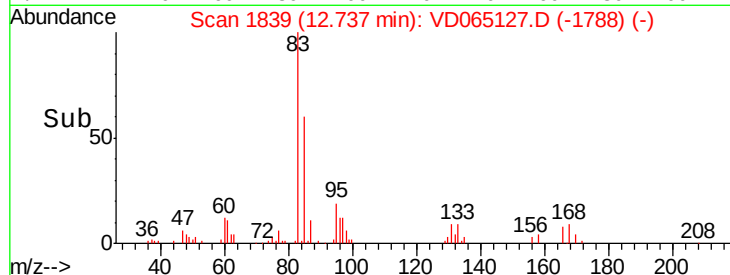
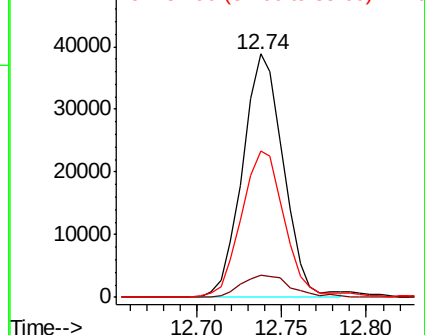
83 100

131 10.7 5.5 16.4

85 64.0 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 37.856 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065127.D

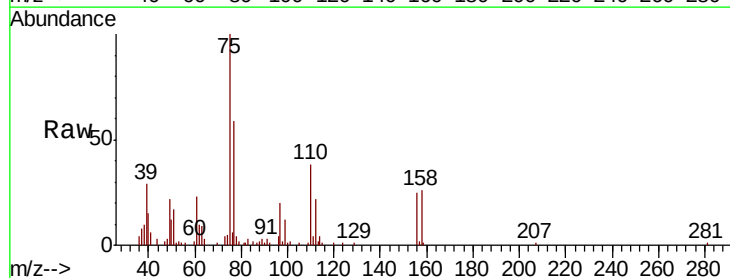
Acq: 10 Feb 2020 12:27

Tgt Ion: 75 Resp: 87547

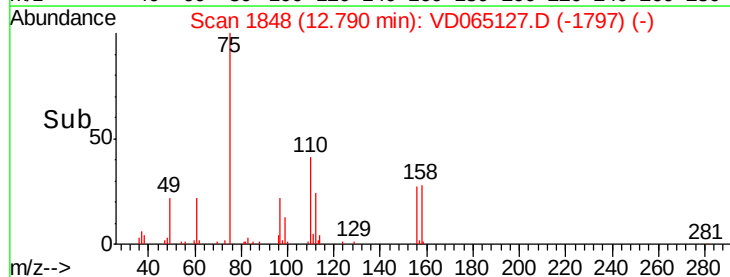
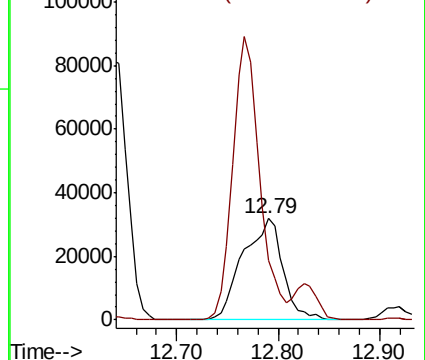
Ion Ratio Lower Upper

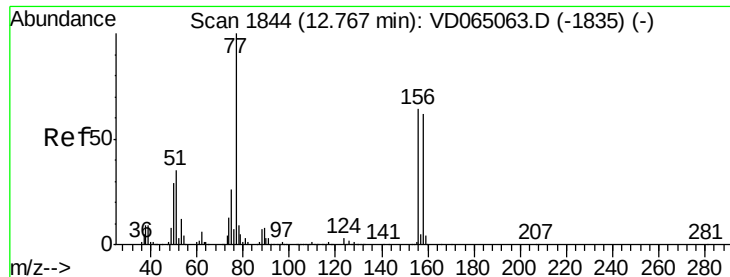
75 100

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: 18.958 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

ClientSampled :

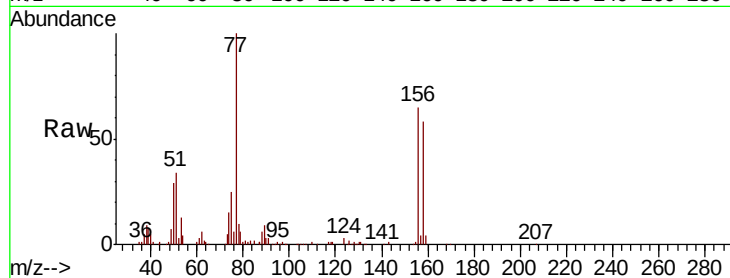
Tot Ion:156 Resp: 95762

Ion Ratio Lower Upper

156 100

77 172.4 85.6 256.8

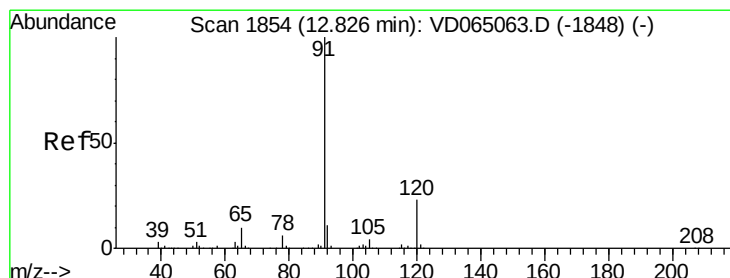
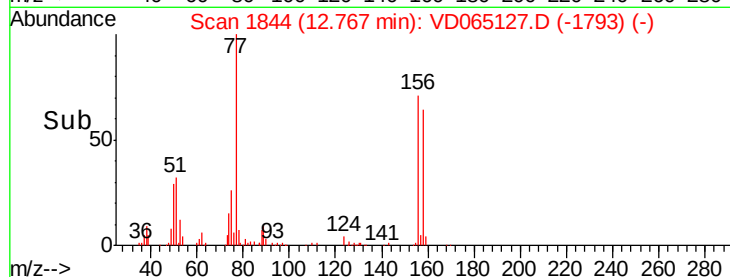
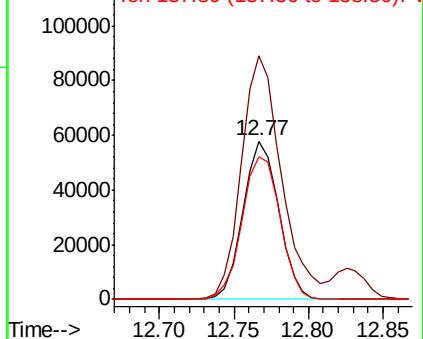
158 96.1 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.290 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065127.D

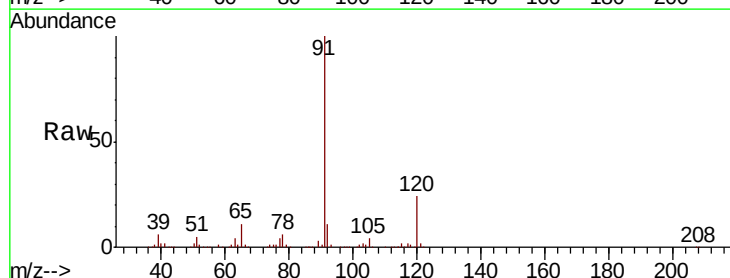
Acq: 10 Feb 2020 12:27

Tgt Ion: 91 Resp: 473628

Ion Ratio Lower Upper

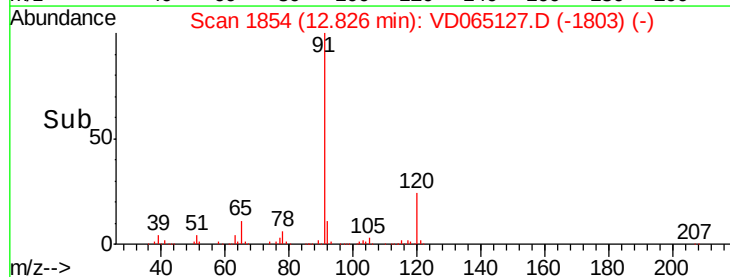
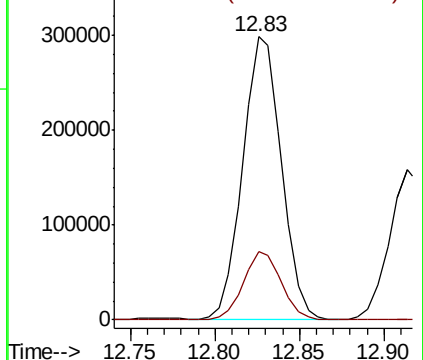
91 100

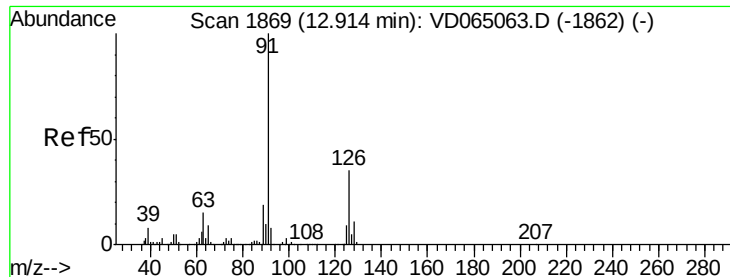
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

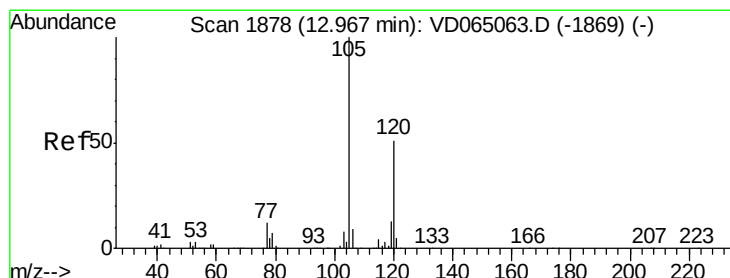
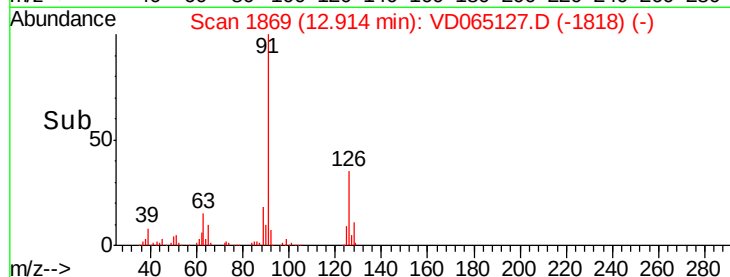
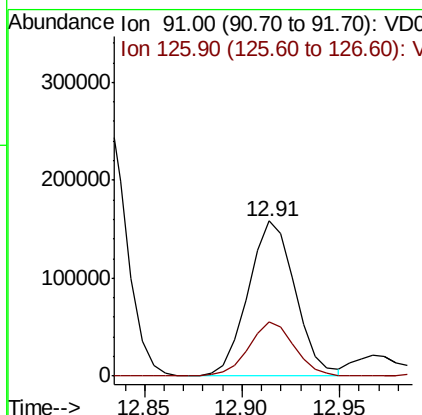
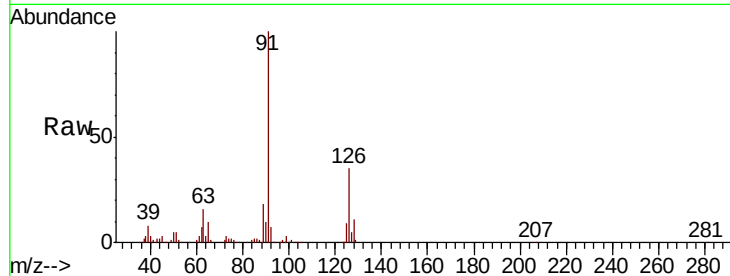




#79
 2-Chlorotoluene
 Concen: 19.329 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

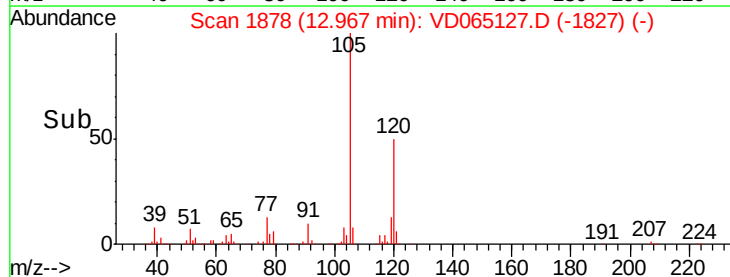
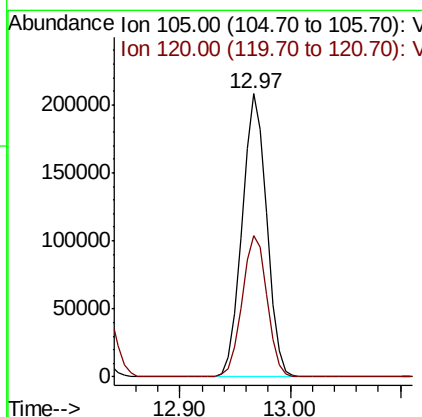
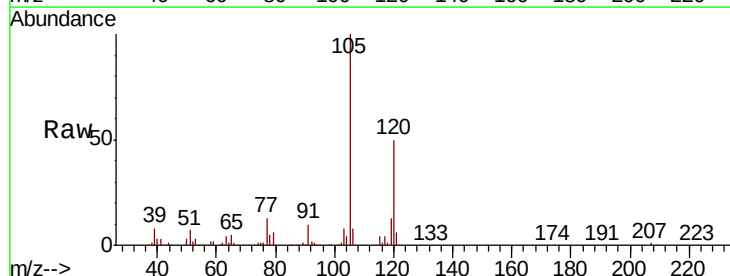
Instrument :
 MSVOA_D
 ClientSampleId :

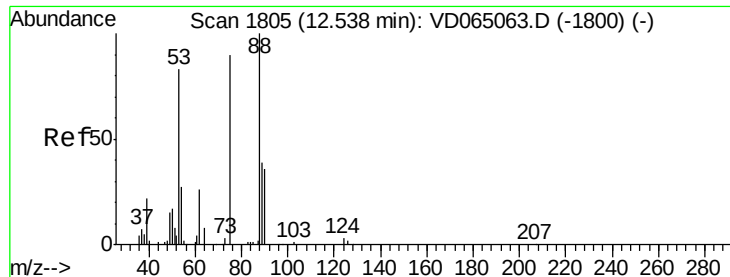
Tot Ion: 91 Resp: 264538
 Ion Ratio Lower Upper
 91 100
 126 33.8 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 19.041 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Tgt Ion: 105 Resp: 326592
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.329 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

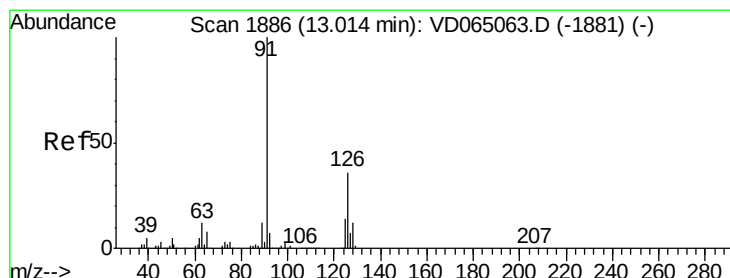
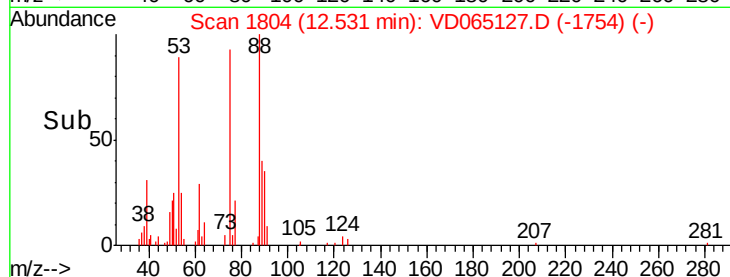
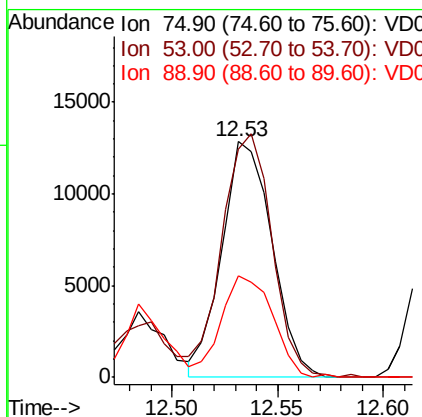
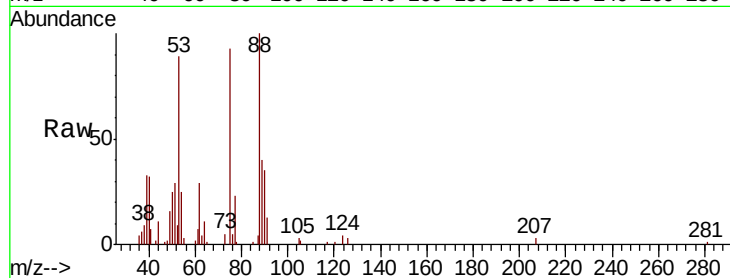
Tot Ion: 75 Resp: 21195

Ion Ratio Lower Upper

75 100

53 104.5 78.5 117.7

89 44.4 37.0 55.4



#82

4-Chlorotoluene

Concen: 19.417 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065127.D

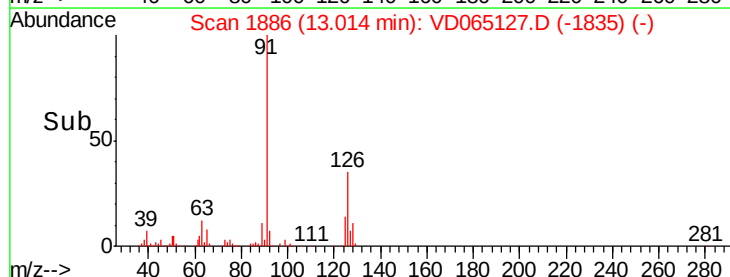
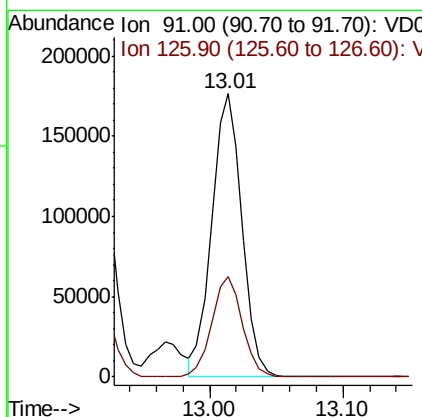
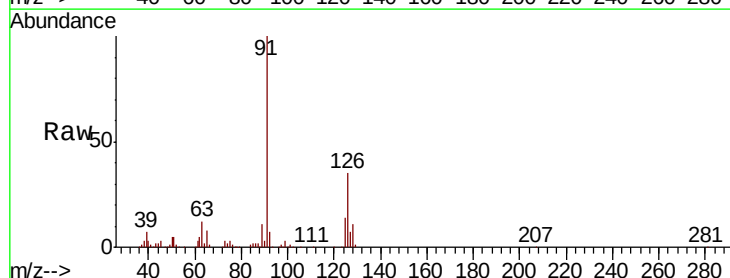
Acq: 10 Feb 2020 12:27

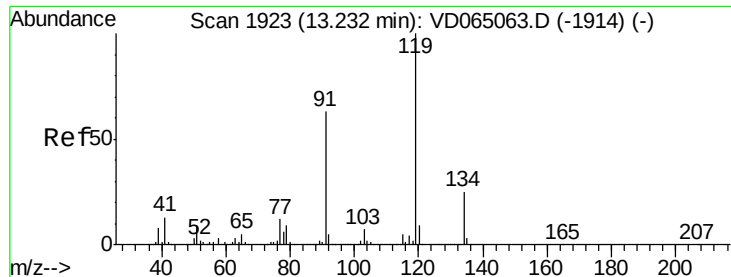
Tgt Ion: 91 Resp: 279089

Ion Ratio Lower Upper

91 100

126 35.8 17.5 52.5

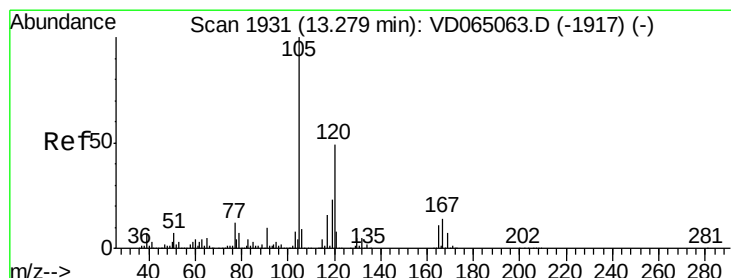
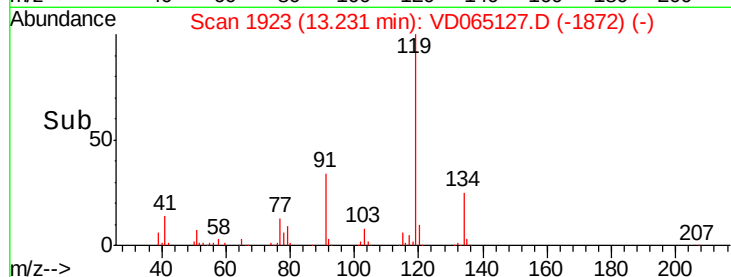
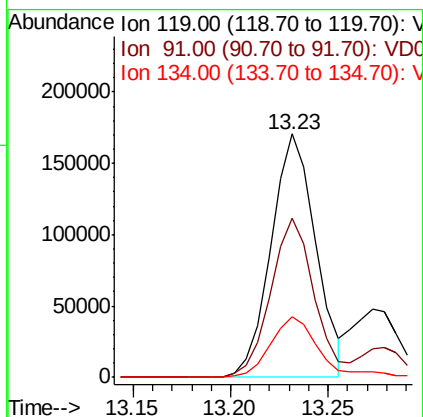
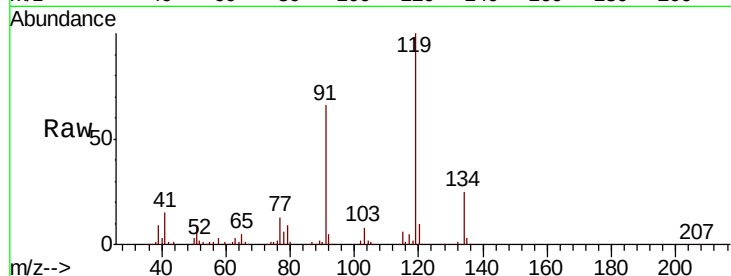




#83
 tert-Butylbenzene
 Concen: 18.259 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

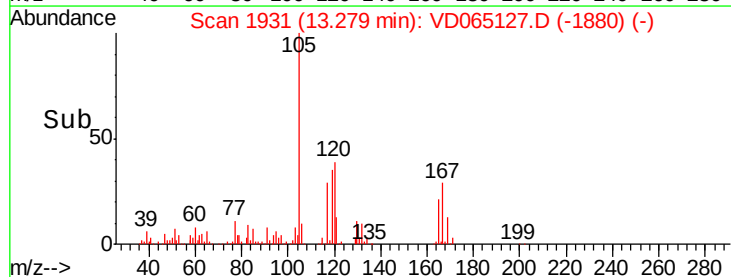
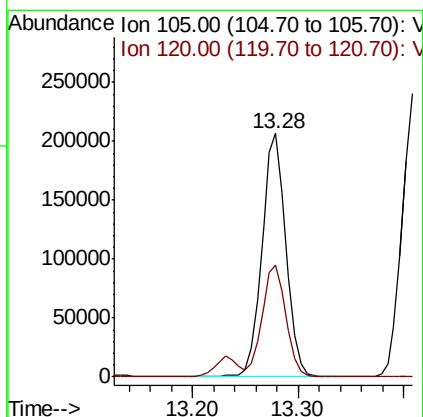
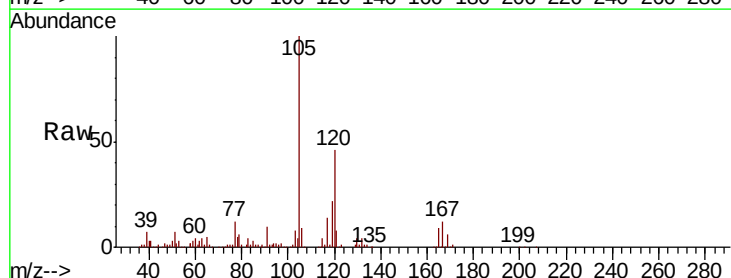
Instrument :
 MSVOA_D
 ClientSampleId :

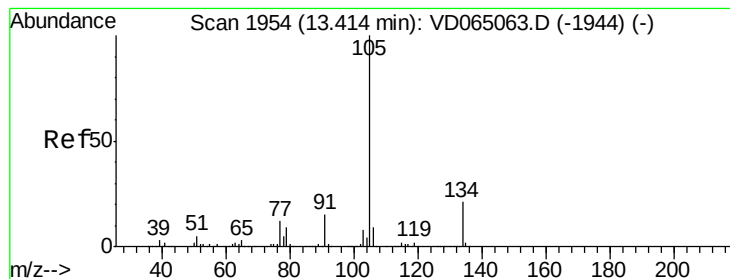
Tot Ion:119 Resp: 270188
 Ion Ratio Lower Upper
 119 100
 91 64.1 32.3 96.9
 134 27.1 13.8 41.3



#84
 1,2,4-Trimethylbenzene
 Concen: 19.100 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Tgt Ion:105 Resp: 325234
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.5 70.5





#85

sec-Butylbenzene

Concen: 19.169 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.01 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

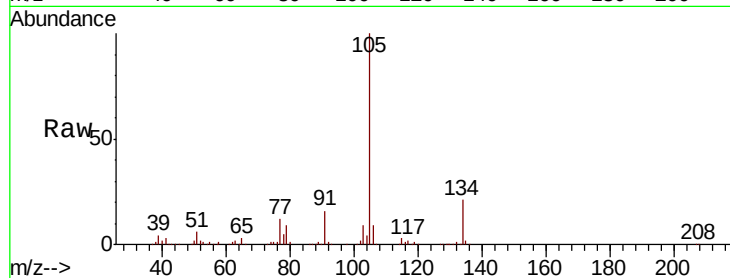
ClientSampled :

Tot Ion:105 Resp: 387420

Ion Ratio Lower Upper

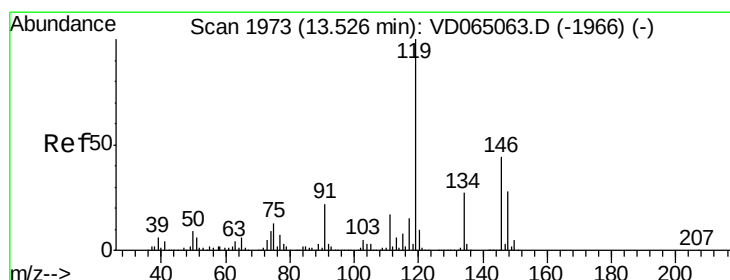
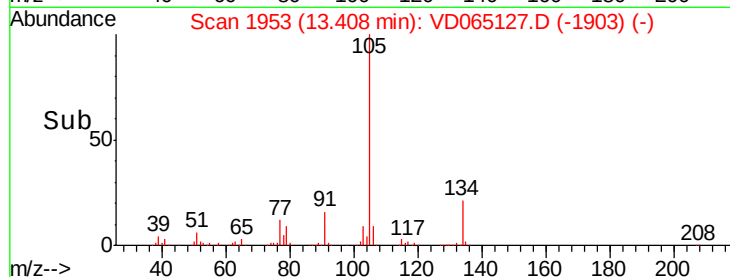
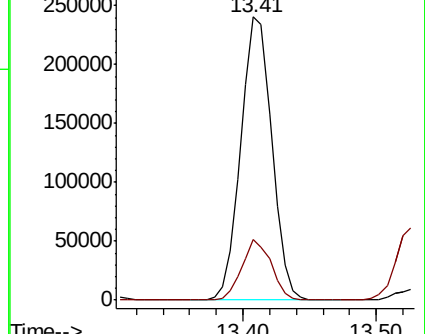
105 100

134 20.3 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.802 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

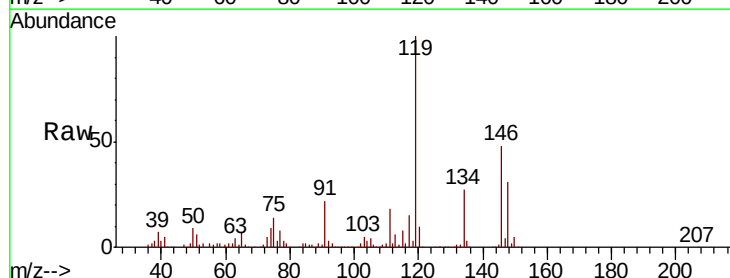
Tgt Ion:119 Resp: 353061

Ion Ratio Lower Upper

119 100

134 26.0 13.5 40.5

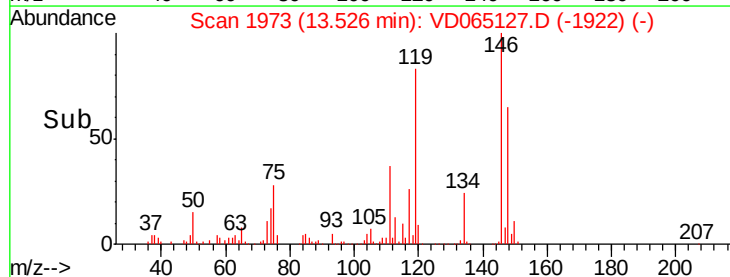
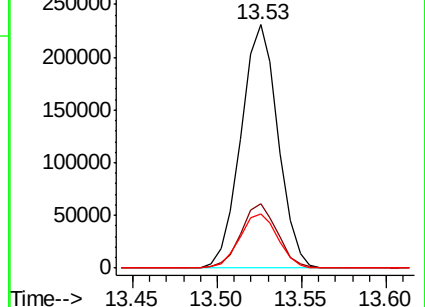
91 22.9 11.3 33.9

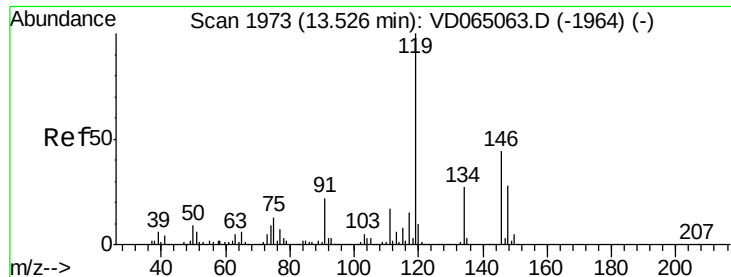


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.631 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065127.D

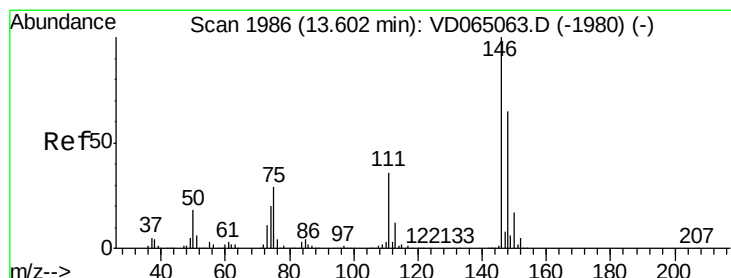
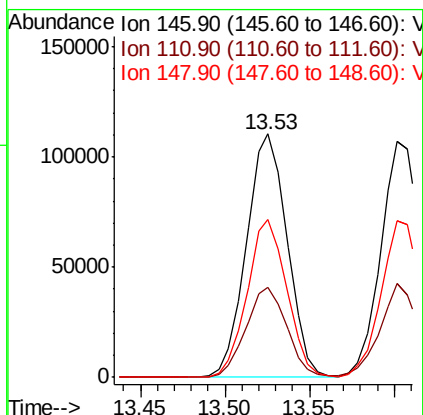
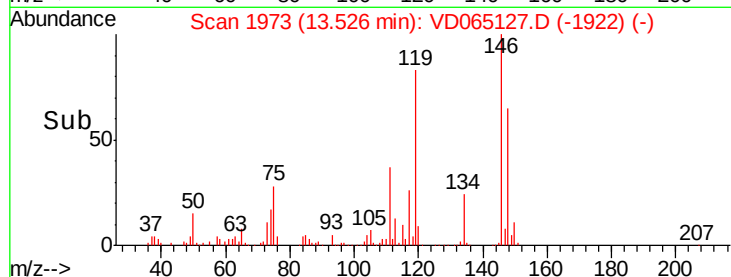
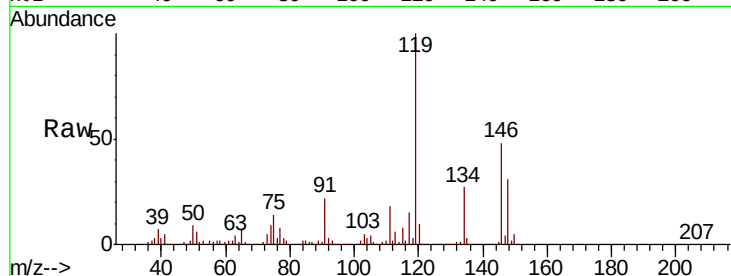
Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:	146	Resp:	185661
Ion	Ratio	Lower	Upper
146	100		
111	36.9	19.4	58.4
148	63.2	32.3	96.8



#88

1,4-Dichlorobenzene

Concen: 18.987 ug/l

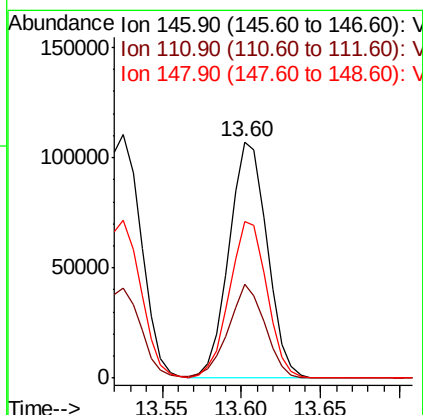
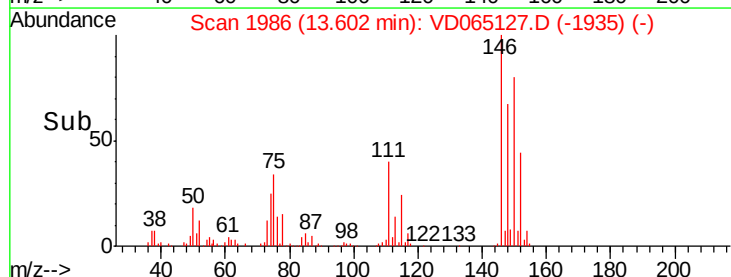
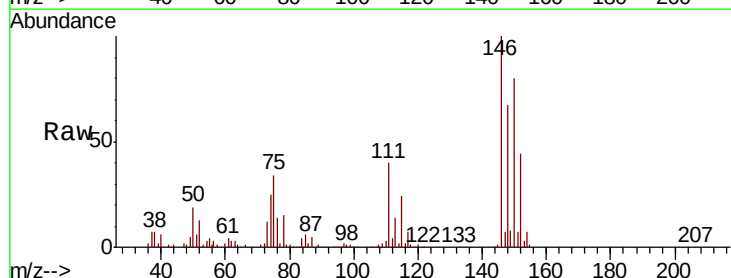
RT: 13.60 min Scan# 1986

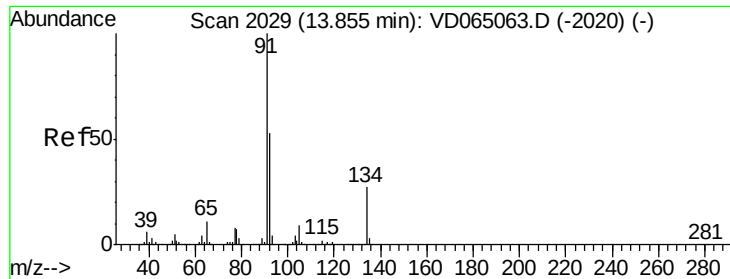
Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Tgt Ion:	146	Resp:	178727
Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.5	55.5
148	65.5	32.7	98.1

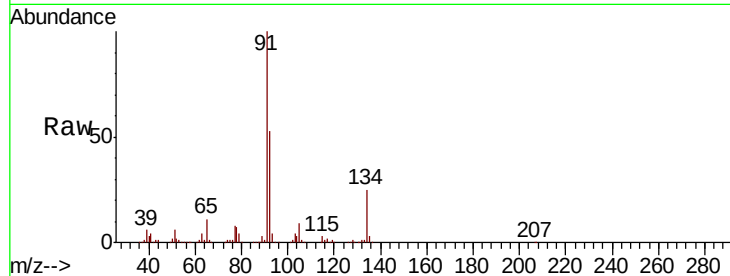




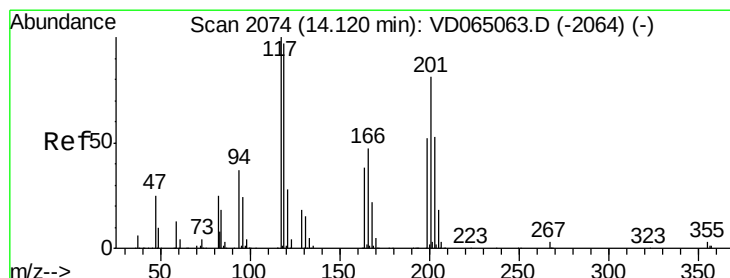
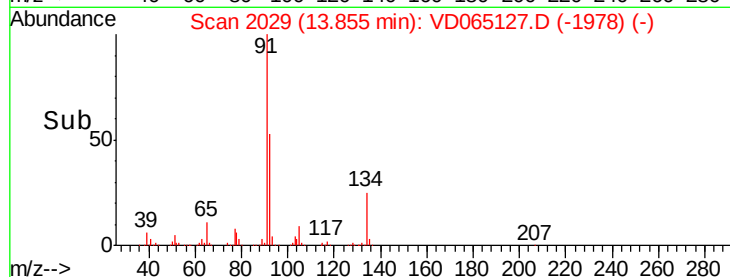
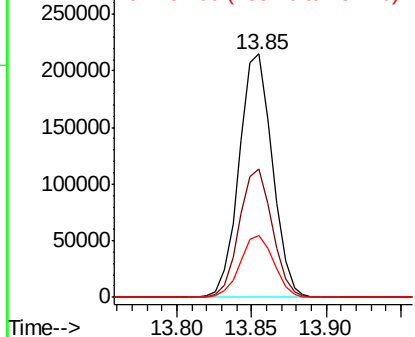
#89
n-Butylbenzene
Concen: 19.158 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 332038
Ion Ratio Lower Upper
91 100
92 52.4 26.7 80.1
134 25.7 13.4 40.2

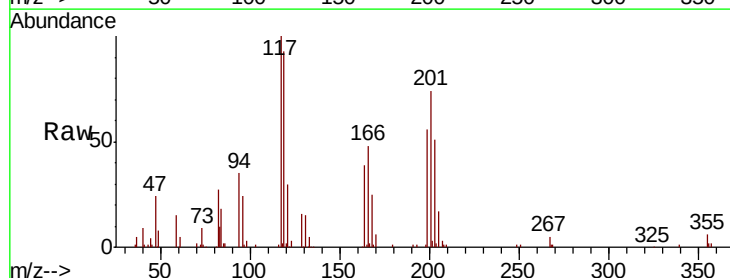


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): V

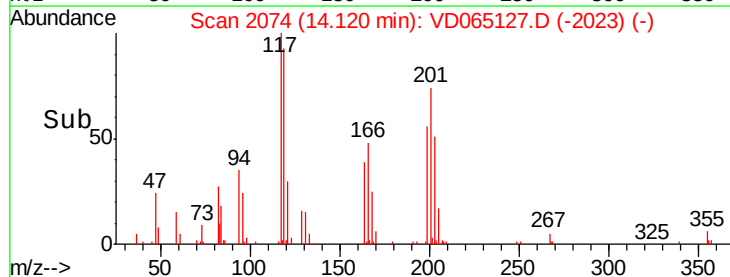
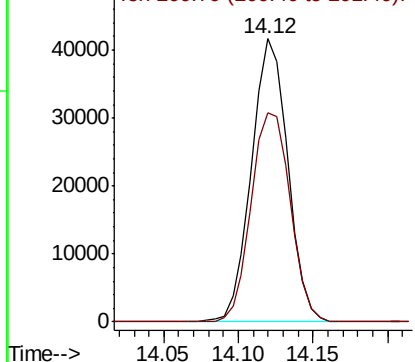


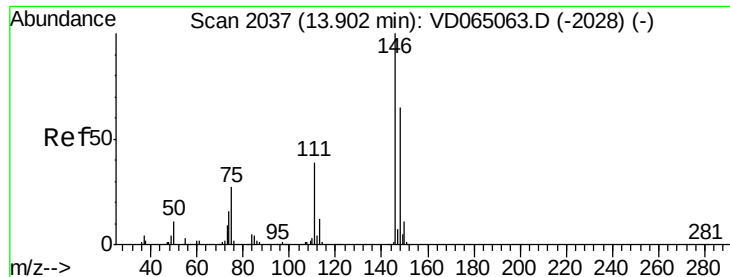
#90
Hexachloroethane
Concen: 19.712 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion: 117 Resp: 70092
Ion Ratio Lower Upper
117 100
201 79.5 42.5 127.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

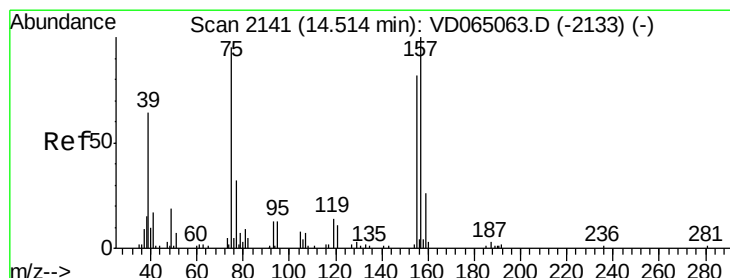
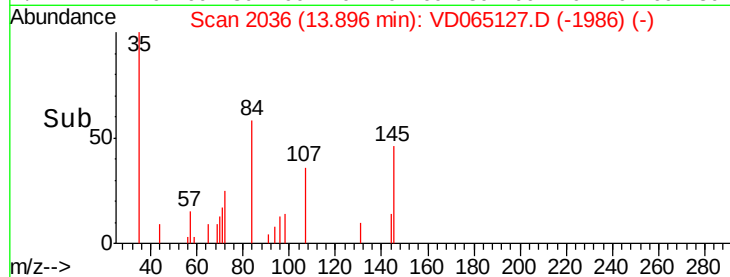
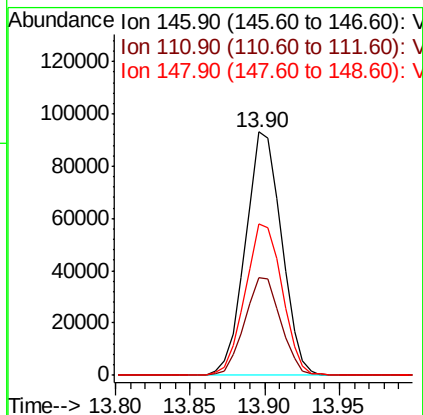
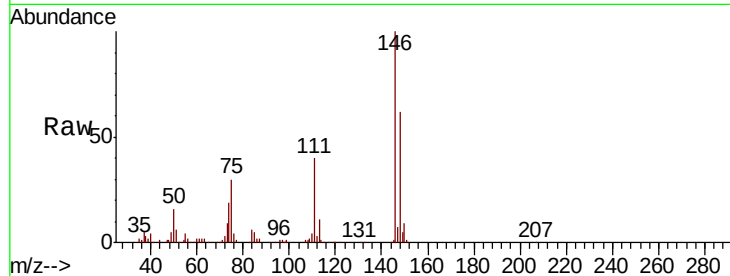




#91
 1,2-Dichlorobenzene
 Concen: 19.228 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

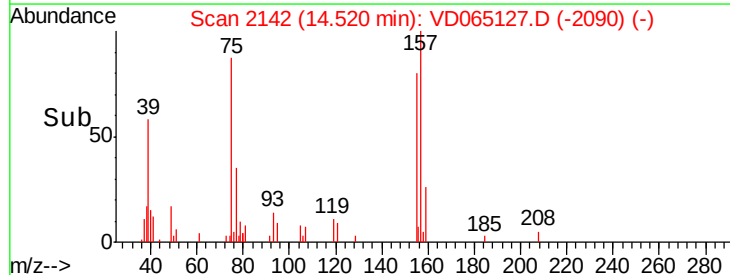
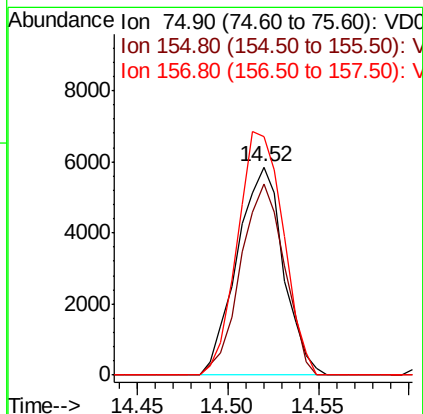
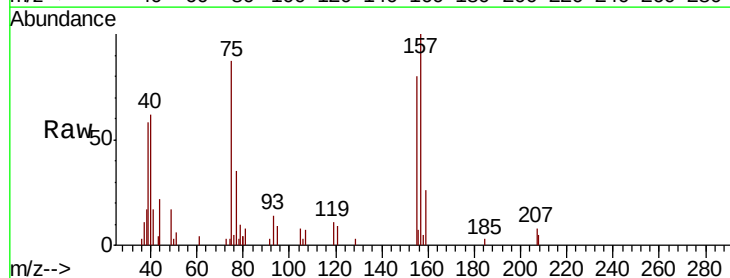
Instrument :
 MSVOA_D
 ClientSampleID :

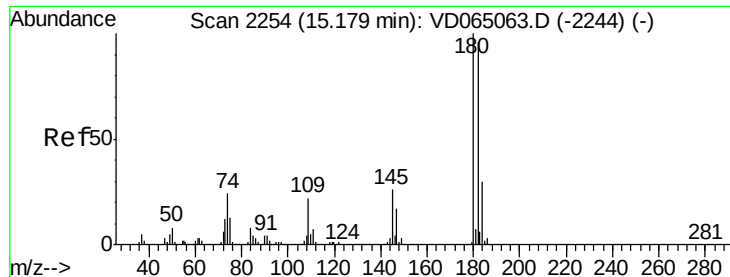
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.7	59.1
148	63.7	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.289 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.1	43.4	130.1
157	115.8	55.8	167.3

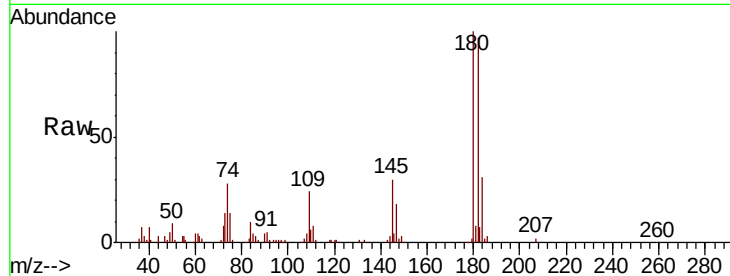




#93
 1,2,4-Trichlorobenzene
 Concen: 18.096 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.4	142.3
145	29.4	14.1	42.4

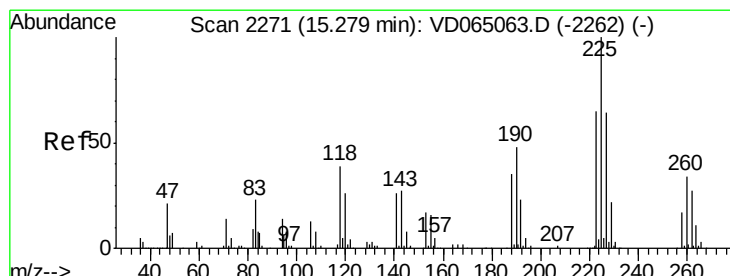
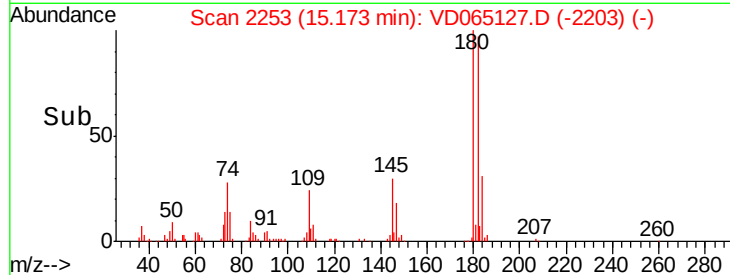
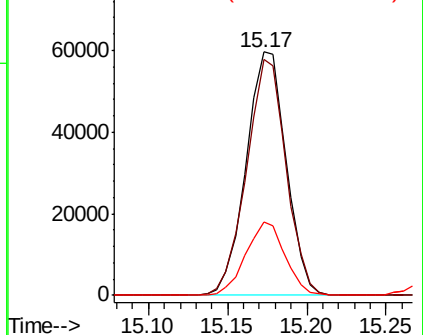


Abundance

Ion 179.80 (179.50 to 180.50): V

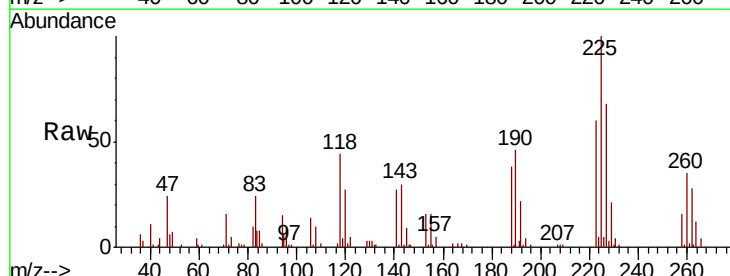
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.602 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.4	94.0
227	65.8	31.8	95.3

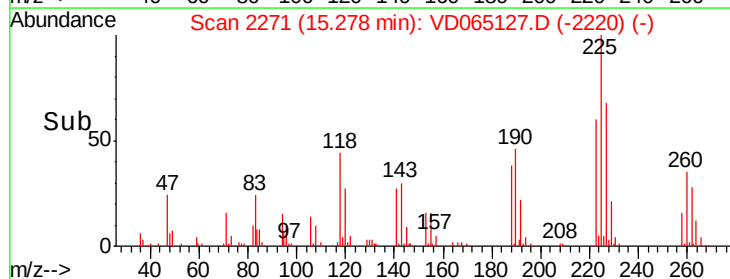
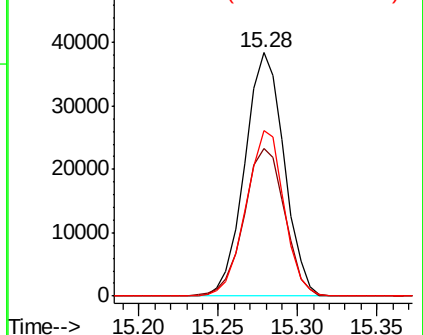


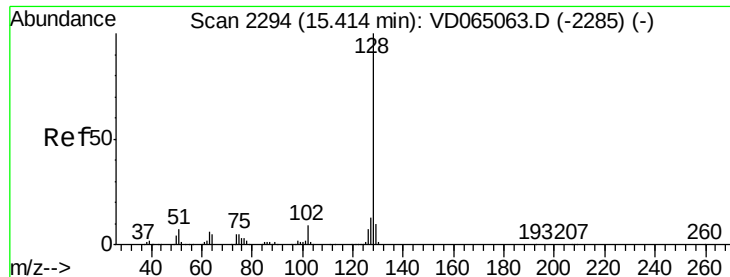
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.750 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

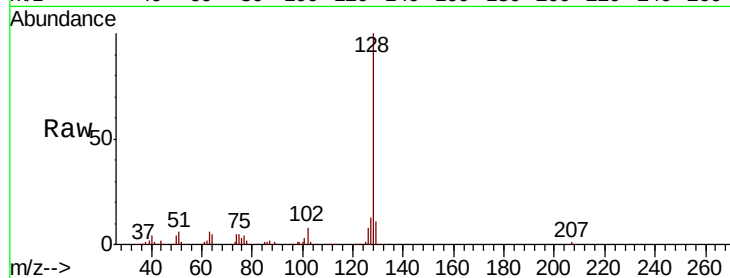
Tot Ion:128 Resp: 161188

Ion Ratio Lower Upper

128 100

127 13.6 10.6 15.8

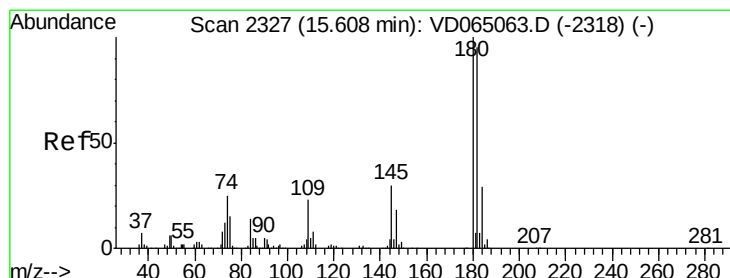
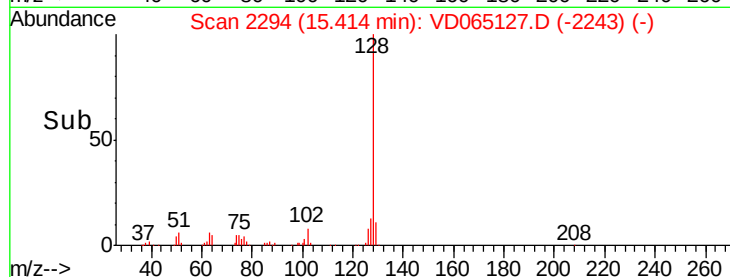
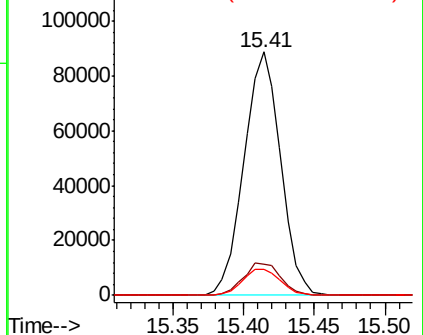
129 11.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.155 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

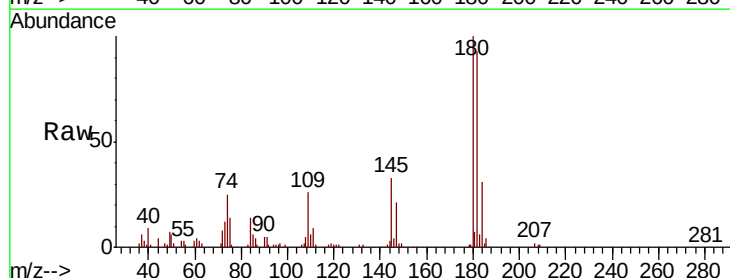
Tgt Ion:180 Resp: 89912

Ion Ratio Lower Upper

180 100

182 96.6 47.1 141.4

145 30.2 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

