

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021220\
 Data File : VD065160.D
 Acq On : 12 Feb 2020 11:58
 Operator : VA/SY
 Sample : VD0212SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 13 05:59:26 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	457935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	690973	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	625161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	302202	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	202365	51.99	ug/l	0.00
Spiked Amount						
			Recovery	=	103.98%	
35) Dibromofluoromethane	7.92	113	203012	52.66	ug/l	0.00
Spiked Amount						
			Recovery	=	105.32%	
50) Toluene-d8	10.34	98	792353	51.64	ug/l	0.00
Spiked Amount						
			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.64	95	250896	51.60	ug/l	0.00
Spiked Amount						
			Recovery	=	103.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	77391	20.308	ug/l	96
3) Chloromethane	2.21	50	103381	23.046	ug/l	98
4) Vinyl Chloride	2.35	62	103613	21.840	ug/l	96
5) Bromomethane	2.76	94	61541	20.006	ug/l	93
6) Chloroethane	2.92	64	64720	21.992	ug/l	100
7) Trichlorofluoromethane	3.27	101	152779	22.129	ug/l	98
8) Diethyl Ether	3.70	74	41533	20.955	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	91812	21.753	ug/l	99
10) Methyl Iodide	4.29	142	86022	17.856	ug/l	99
11) Tert butyl alcohol	5.26	59	27312	114.853	ug/l	95
12) 1,1-Dichloroethene	4.06	96	85588	21.173	ug/l	96
13) Acrolein	3.92	56	26035	89.012	ug/l	97
14) Allyl chloride	4.71	41	137852	20.519	ug/l	98
15) Acrylonitrile	5.43	53	95422	110.121	ug/l	99
16) Acetone	4.17	43	97322	100.014	ug/l	98
17) Carbon Disulfide	4.40	76	274685	21.164	ug/l	100
18) Methyl Acetate	4.72	43	49355	24.276	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	179889	20.124	ug/l	100
20) Methylene Chloride	4.96	84	102934	21.802	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	95674	20.920	ug/l	97
22) Diisopropyl ether	6.37	45	272316	21.489	ug/l	97
23) Vinyl Acetate	6.31	43	727961	103.064	ug/l	100
24) 1,1-Dichloroethane	6.27	63	168910	22.022	ug/l	97
25) 2-Butanone	7.23	43	123845	106.695	ug/l	99
26) 2,2-Dichloropropane	7.21	77	145557	21.172	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	102662	21.130	ug/l	98
28) Bromochloromethane	7.55	49	58010	19.951	ug/l	100
29) Tetrahydrofuran	7.57	42	75939	108.184	ug/l	98
30) Chloroform	7.71	83	169820	22.236	ug/l	97
31) Cyclohexane	7.99	56	157657	20.362	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	153068	21.516	ug/l	99
36) 1,1-Dichloropropene	8.11	75	136871	21.303	ug/l	99
37) Ethyl Acetate	7.30	43	55188	21.025	ug/l	99
38) Carbon Tetrachloride	8.10	117	140064	21.344	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021220\
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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 13 05:59:26 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	157191	19.821	ug/l	99
40) Benzene	8.35	78	377632	21.284	ug/l	98
41) Methacrylonitrile	7.57	41	76593	52.966	ug/l #	19
42) 1,2-Dichloroethane	8.43	62	106530	21.072	ug/l	97
43) Isopropyl Acetate	8.46	43	102865	20.486	ug/l	99
44) Trichloroethene	9.11	130	103986	20.419	ug/l	98
45) 1,2-Dichloropropane	9.39	63	94127	22.127	ug/l	94
46) Dibromomethane	9.48	93	47969	21.459	ug/l	100
47) Bromodichloromethane	9.67	83	130484	22.154	ug/l	97
48) Methyl methacrylate	9.46	41	48369	20.019	ug/l	98
49) 1,4-Dioxane	9.46	88	11248	424.836	ug/l	89
51) 4-Methyl-2-Pentanone	10.24	43	262366	106.157	ug/l	100
52) Toluene	10.41	92	241461	21.323	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	118262	20.622	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	143055	20.858	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	68539	22.354	ug/l	98
56) Ethyl methacrylate	10.67	69	80211	20.676	ug/l	94
57) 1,3-Dichloropropane	10.95	76	116558	21.619	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	132899	94.180	ug/l	99
59) 2-Hexanone	10.99	43	185717	106.087	ug/l	100
60) Dibromochloromethane	11.14	129	88721	22.340	ug/l	97
61) 1,2-Dibromoethane	11.25	107	66027	22.039	ug/l	99
64) Tetrachloroethene	10.88	164	88224	19.640	ug/l	97
65) Chlorobenzene	11.68	112	251213	20.776	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	93667	20.989	ug/l	99
67) Ethyl Benzene	11.75	91	442781	20.156	ug/l	97
68) m/p-Xylenes	11.86	106	342345	40.830	ug/l	99
69) o-Xylene	12.18	106	150226	19.896	ug/l	100
70) Styrene	12.20	104	266372	20.298	ug/l	99
71) Bromoform	12.37	173	51891	21.603	ug/l #	99
73) Isopropylbenzene	12.48	105	410199	19.776	ug/l	99
74) N-amyl acetate	12.30	43	89135	19.771	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	72489	22.206	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	94589	41.342	ug/l #	100
77) Bromobenzene	12.77	156	100789	20.168	ug/l	98
78) n-propylbenzene	12.83	91	498359	20.516	ug/l	100
79) 2-Chlorotoluene	12.91	91	277647	20.506	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	343131	20.221	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	25091	21.932	ug/l	91
82) 4-Chlorotoluene	13.01	91	294244	20.692	ug/l	100
83) tert-Butylbenzene	13.23	119	284889	19.460	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	346120	20.545	ug/l	100
85) sec-Butylbenzene	13.41	105	411038	20.557	ug/l	99
86) p-Isopropyltoluene	13.53	119	379592	20.432	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	192785	20.604	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	197146	21.170	ug/l	98
89) n-Butylbenzene	13.86	91	354023	20.646	ug/l	99
90) Hexachloroethane	14.12	117	77703	22.088	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	169005	21.088	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11806	22.154	ug/l	95

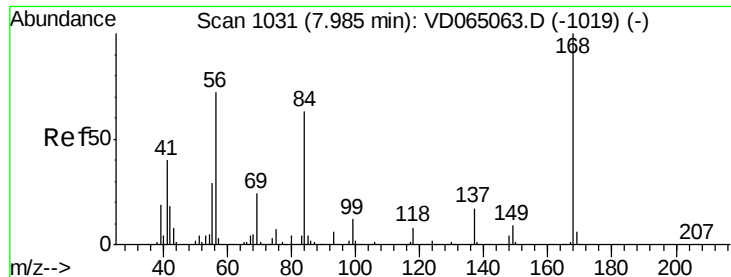
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021220\
Data File : VD065160.D
Acq On : 12 Feb 2020 11:58
Operator : VA/SY
Sample : VD0212SBSD01
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Instrument :
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Quant Time: Feb 13 05:59:26 2020
Quant Method : 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	114653	20.016	ug/l	98
94) Hexachlorobutadiene	15.28	225	73506	20.870	ug/l	100
95) Naphthalene	15.41	128	179503	18.854	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	101375	20.690	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: VD065160.D

Acq: 12 Feb 2020 11:58

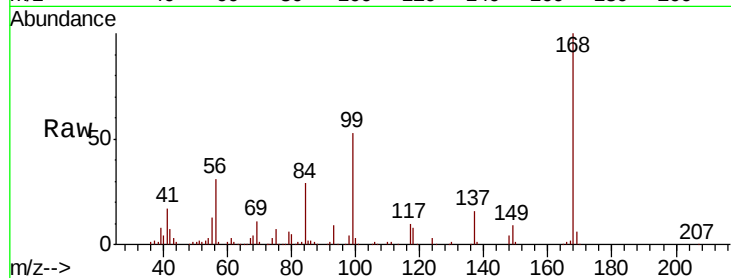
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 457935

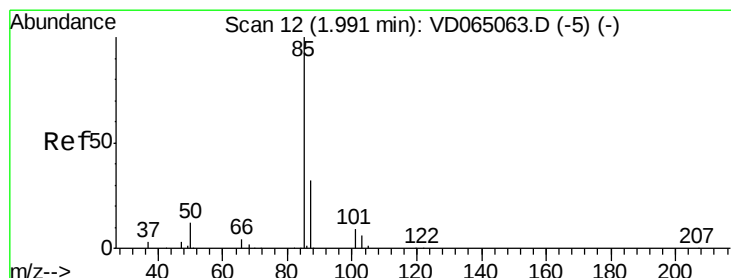
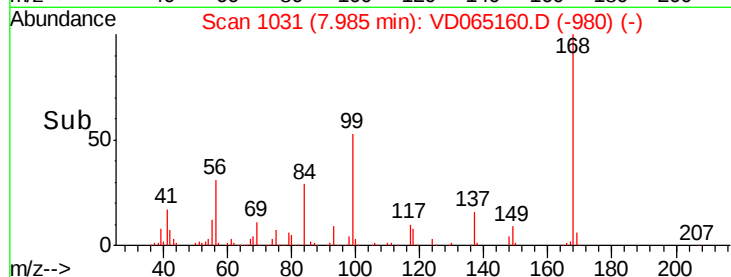
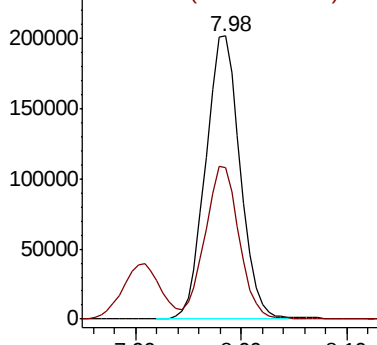
Ion Ratio Lower Upper

168 100

99 53.1 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.308 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065160.D

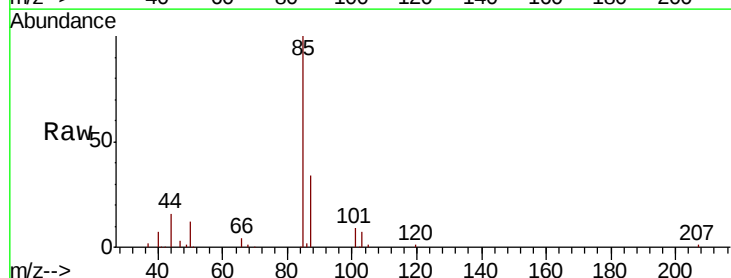
Acq: 12 Feb 2020 11:58

Tgt Ion: 85 Resp: 77391

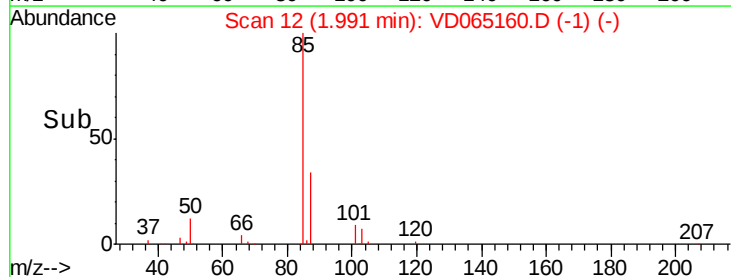
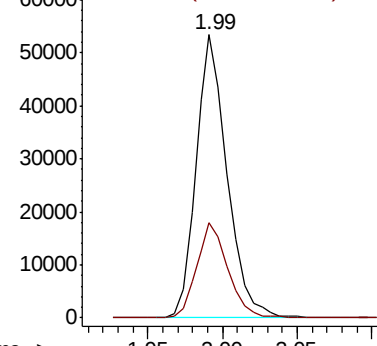
Ion Ratio Lower Upper

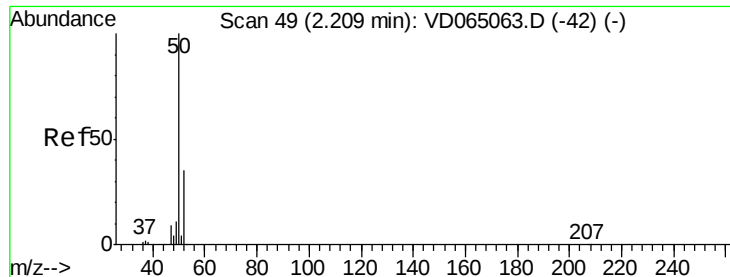
85 100

87 33.7 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC
Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.046 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

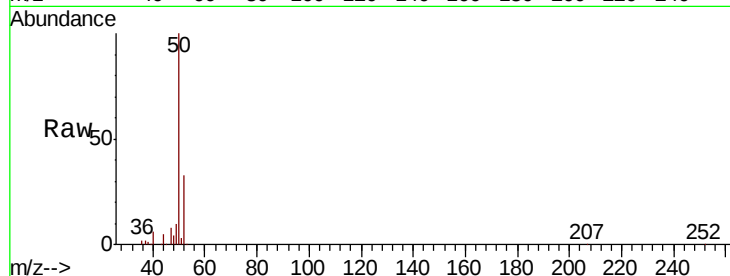
ClientSampleId :

Tot Ion: 50 Resp: 103381

Ion Ratio Lower Upper

50 100

52 33.3 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

80000

60000

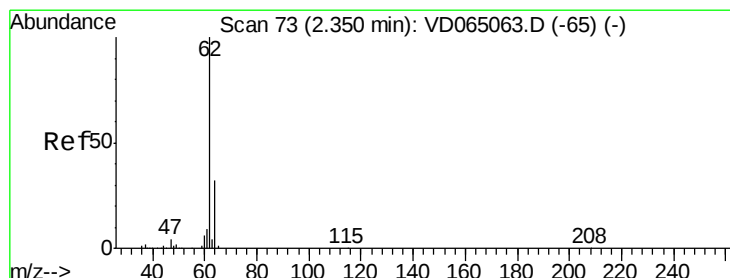
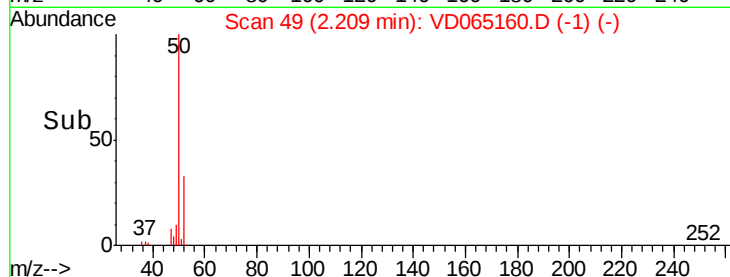
40000

20000

0

2.15 2.20 2.25 2.30

Time-->



#4

Vinyl Chloride

Concen: 21.840 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065160.D

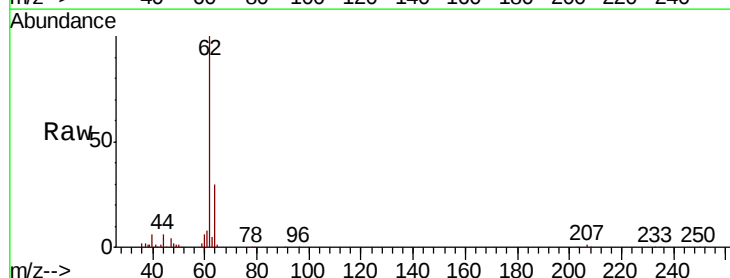
Acq: 12 Feb 2020 11:58

Tgt Ion: 62 Resp: 103613

Ion Ratio Lower Upper

62 100

64 30.1 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

80000

60000

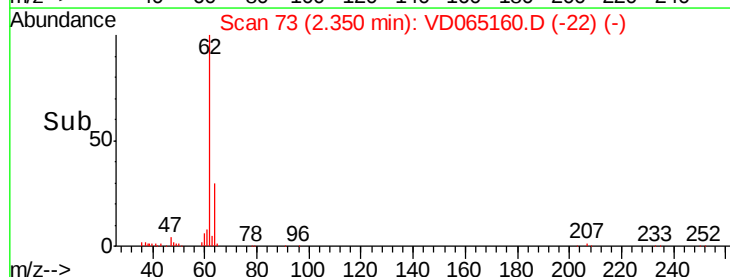
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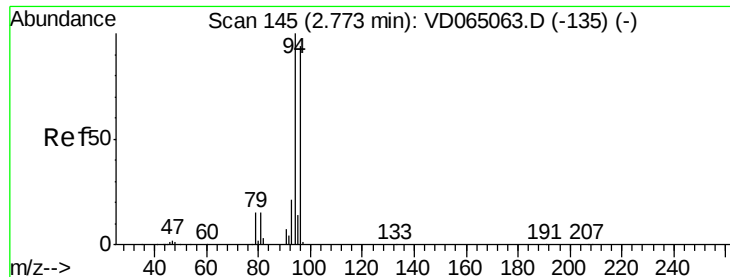
20000

0

2.25 2.30 2.35 2.40 2.45

Time-->





#5

Bromomethane

Concen: 20.006 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

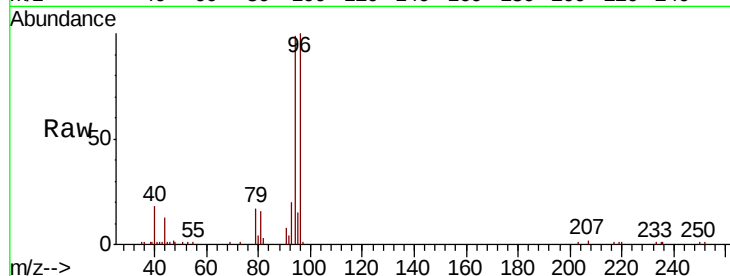
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 94 Resp: 61541

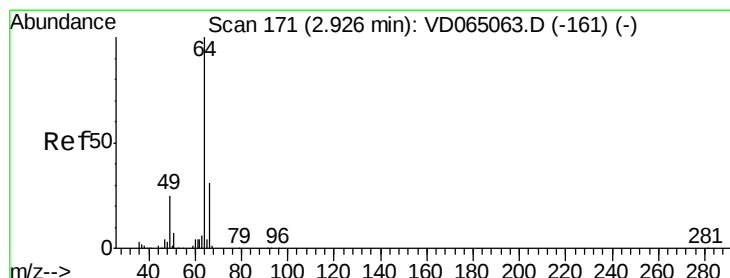
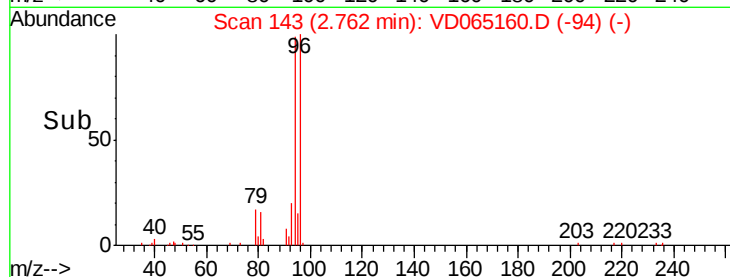
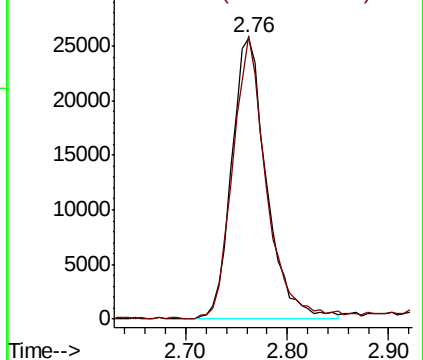
Ion Ratio Lower Upper

94 100

96 100.6 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: 21.992 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065160.D

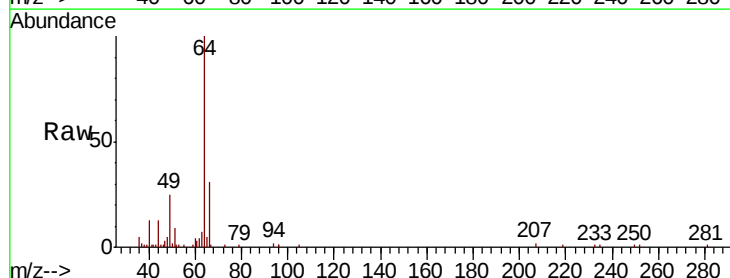
Acq: 12 Feb 2020 11:58

Tgt Ion: 64 Resp: 64720

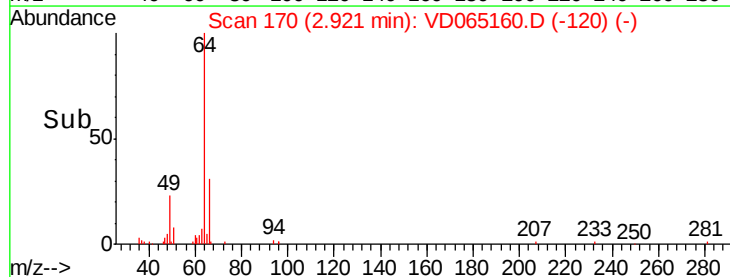
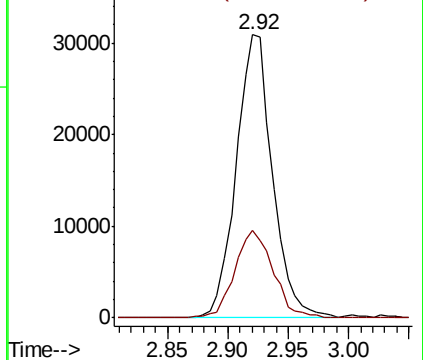
Ion Ratio Lower Upper

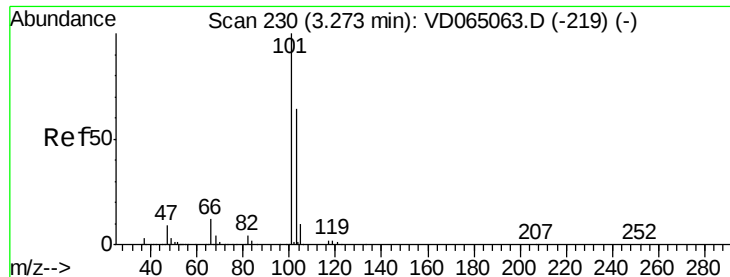
64 100

66 30.8 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



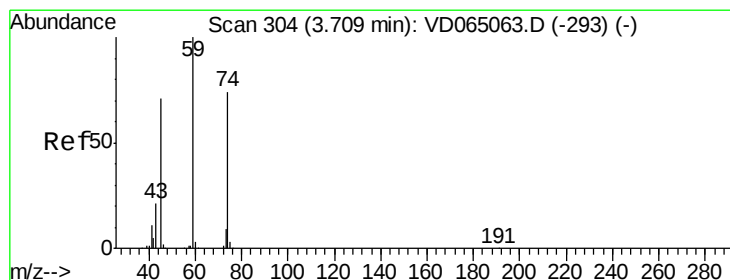
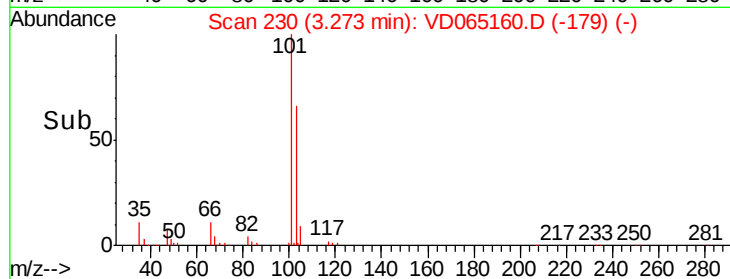
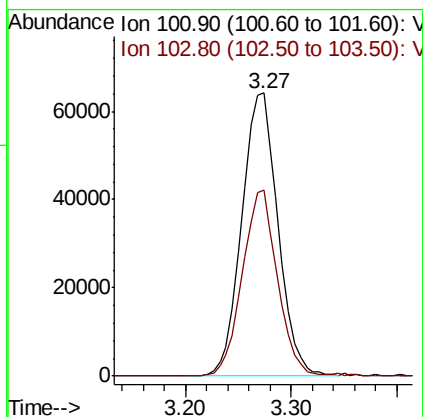
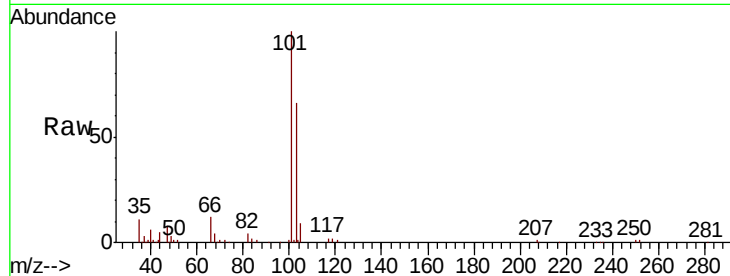


#7

Trichlorofluoromethane
Concen: 22.129 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :

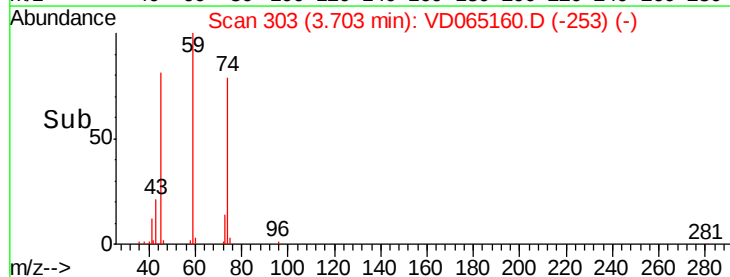
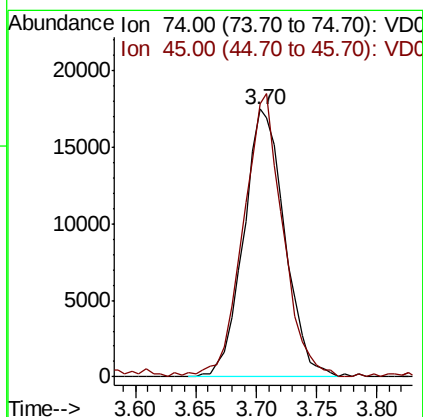
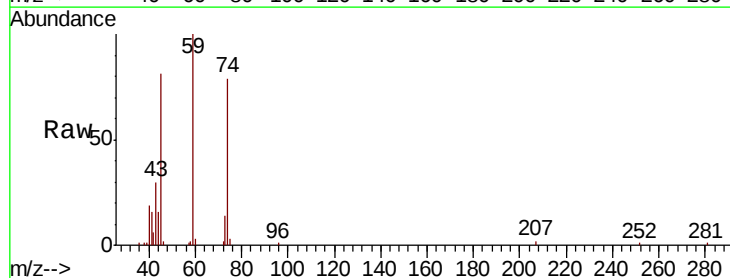
Tot Ion:101 Resp: 152779
Ion Ratio Lower Upper
101 100
103 65.6 51.0 76.6

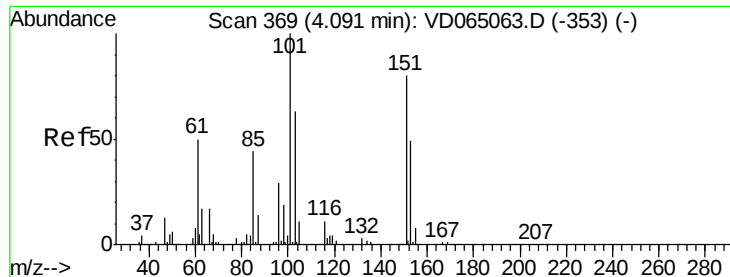


#8

Diethyl Ether
Concen: 20.955 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion: 74 Resp: 41533
Ion Ratio Lower Upper
74 100
45 102.2 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.753 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

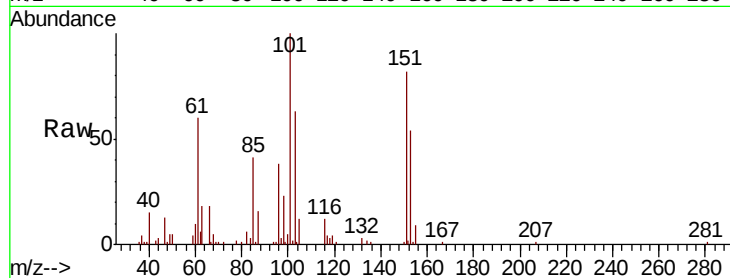
Tot Ion:101 Resp: 91812

Ion Ratio Lower Upper

101 100

85 43.9 34.0 51.0

151 80.2 64.0 96.0

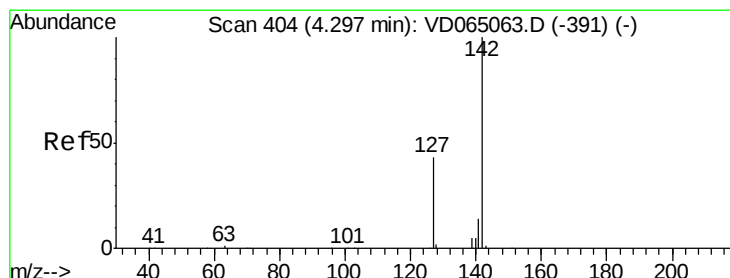
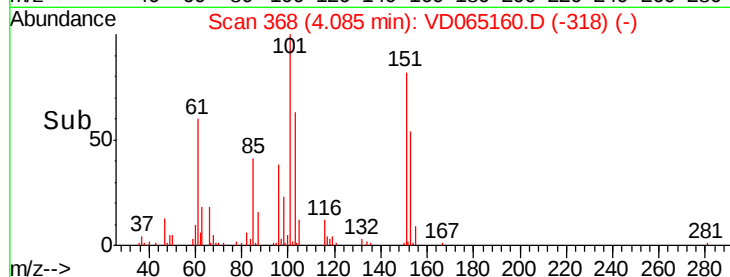
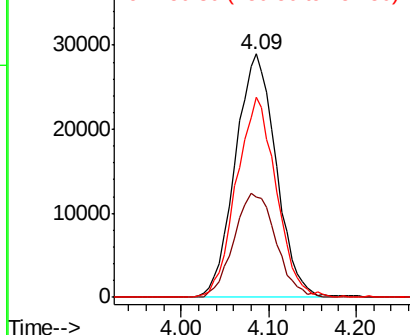


Abundance

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: 17.856 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

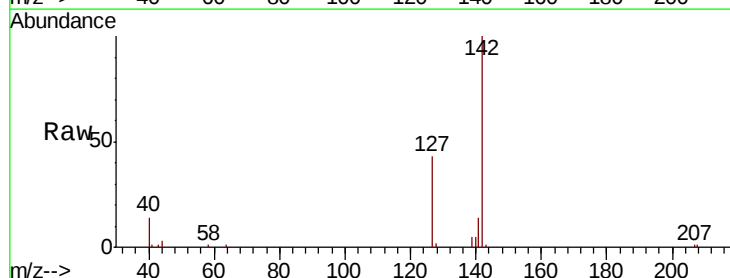
Tgt Ion:142 Resp: 86022

Ion Ratio Lower Upper

142 100

127 43.0 34.0 51.0

141 14.3 11.6 17.4

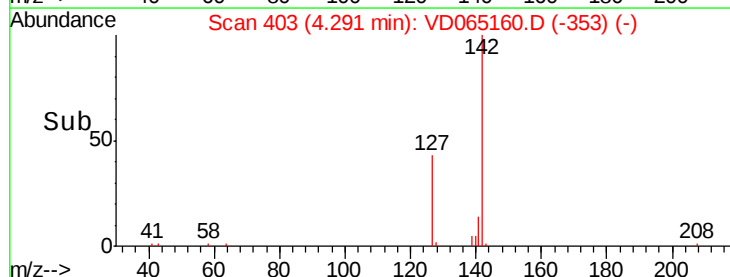
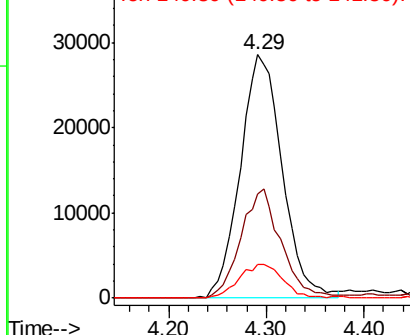


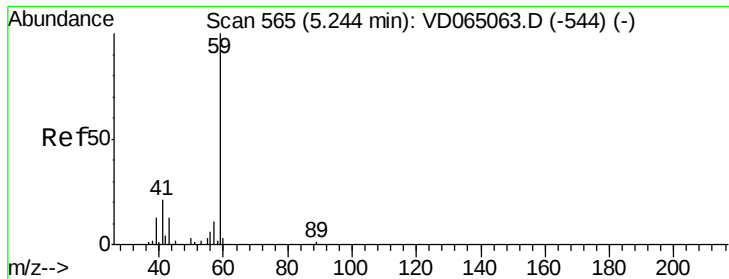
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



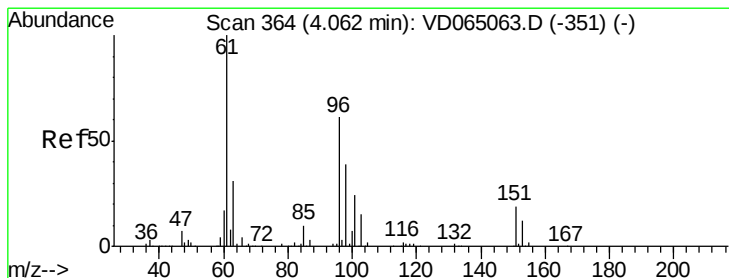
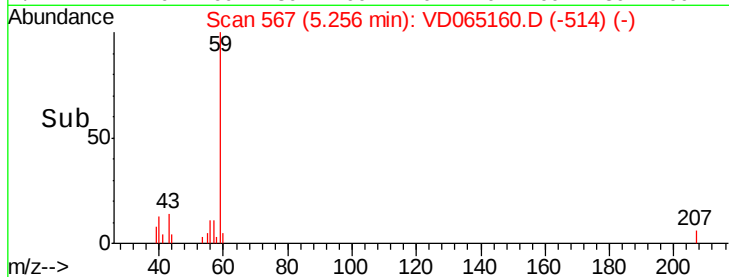
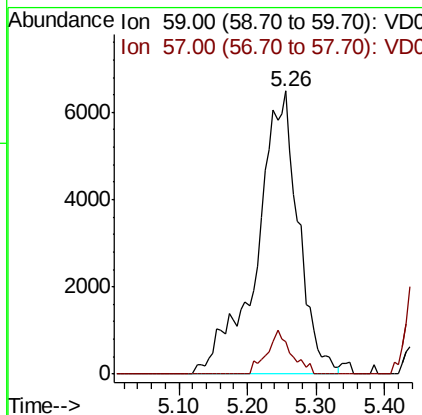
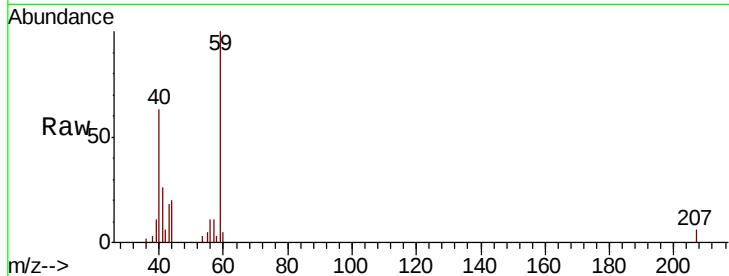


#11

Tert butyl alcohol
Concen: 114.853 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :

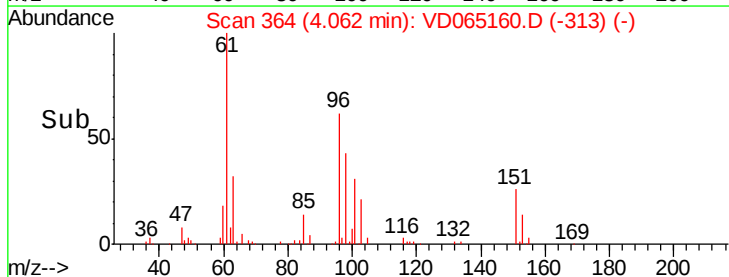
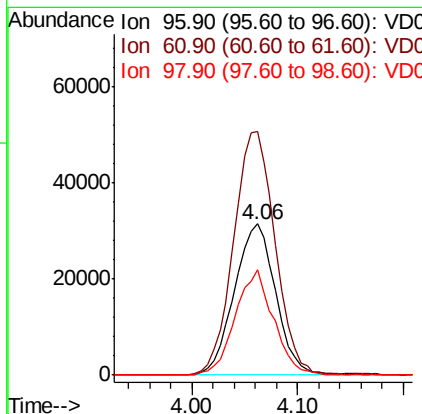
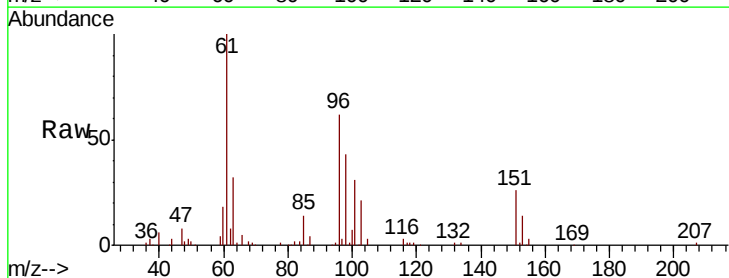
Tot Ion: 59 Resp: 27312
Ion Ratio Lower Upper
59 100
57 9.0 8.8 13.2

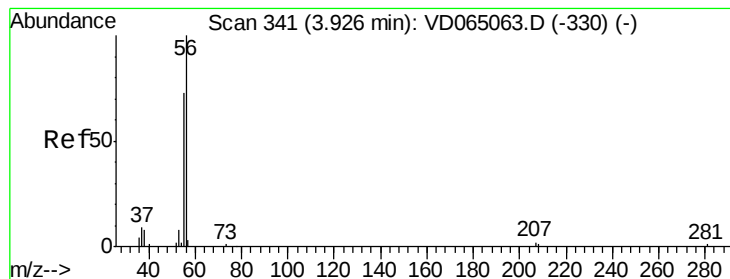


#12

1,1-Dichloroethene
Concen: 21.173 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion: 96 Resp: 85588
Ion Ratio Lower Upper
96 100
61 160.8 131.4 197.2
98 69.2 51.1 76.7





#13

Acrolein

Concen: 89.012 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

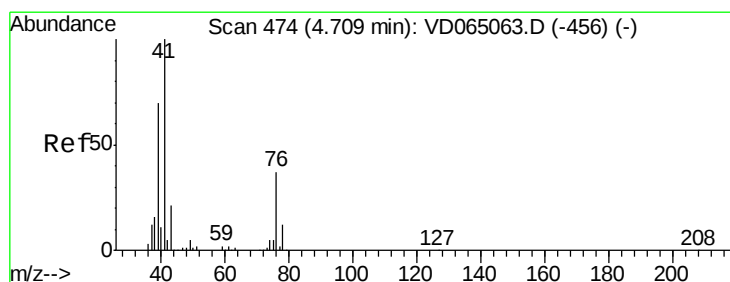
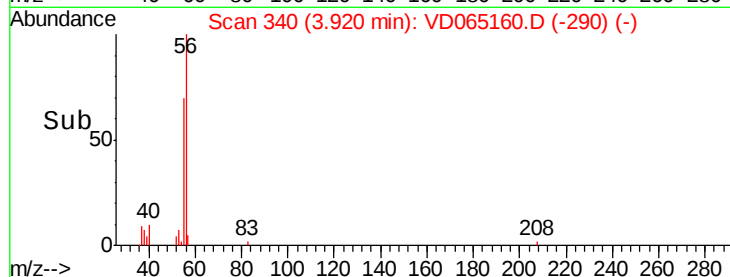
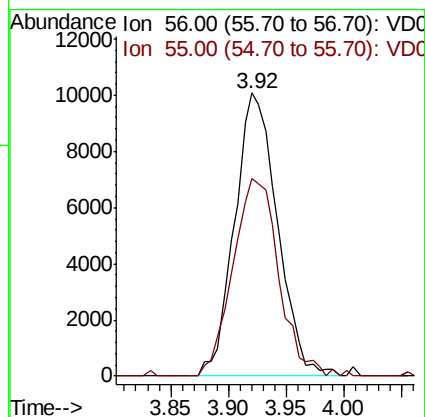
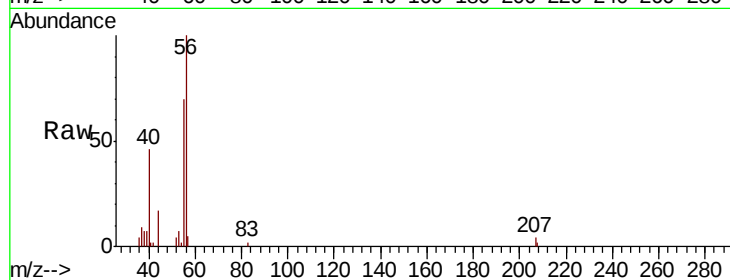
ClientSampleId :

Tot Ion: 56 Resp: 26035

Ion Ratio Lower Upper

56 100

55 75.0 58.2 87.2



#14

Allyl chloride

Concen: 20.519 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

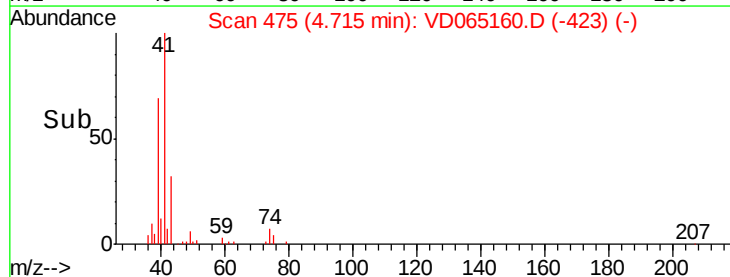
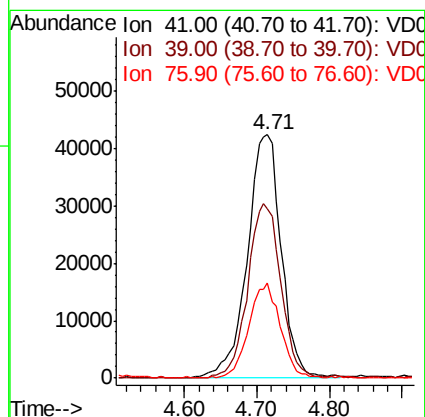
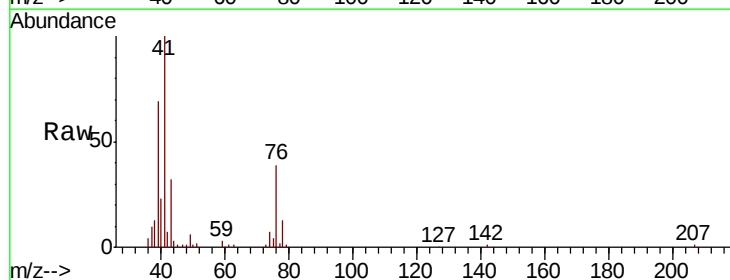
Tgt Ion: 41 Resp: 137852

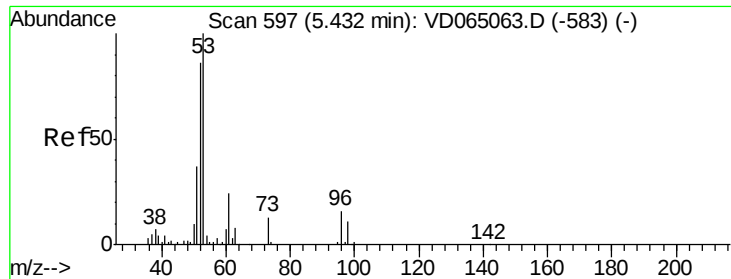
Ion Ratio Lower Upper

41 100

39 70.1 57.1 85.7

76 36.2 28.0 42.0





#15

Acrylonitrile

Concen: 110.121 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

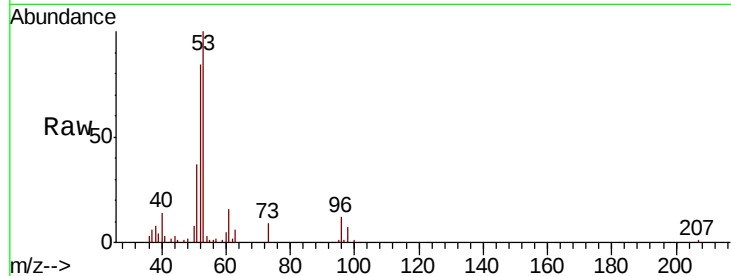
Tot Ion: 53 Resp: 95422

Ion Ratio Lower Upper

53 100

52 83.1 66.2 99.2

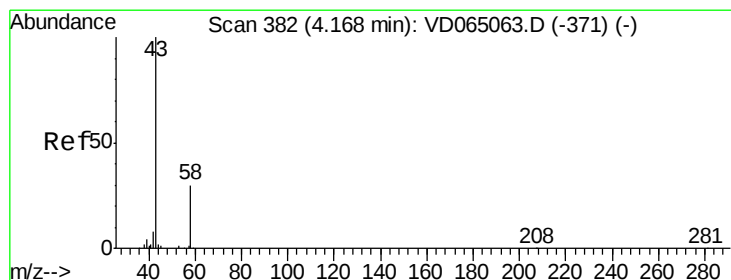
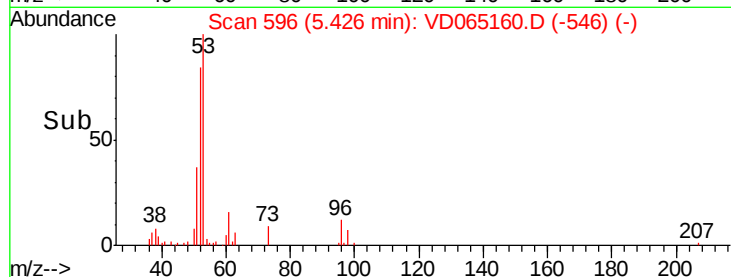
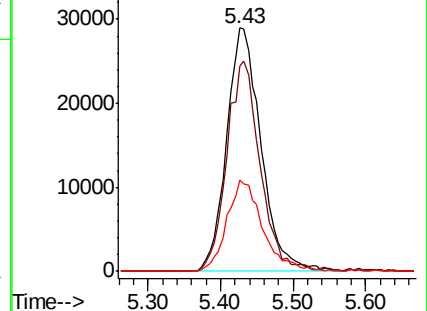
51 38.6 30.4 45.6



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 100.014 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065160.D

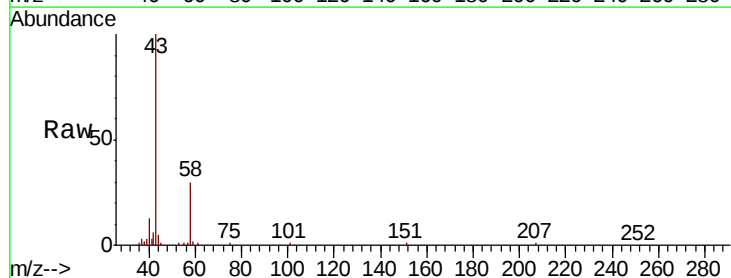
Acq: 12 Feb 2020 11:58

Tgt Ion: 43 Resp: 97322

Ion Ratio Lower Upper

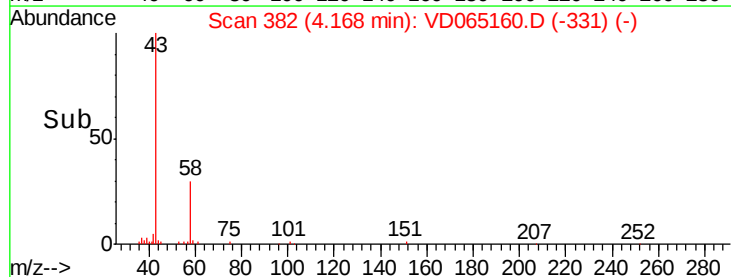
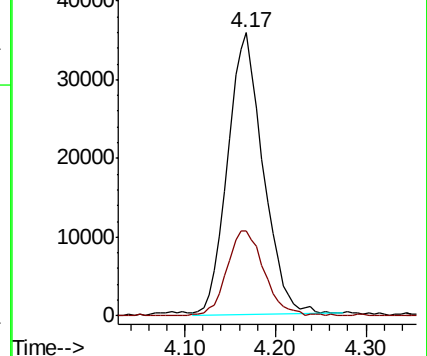
43 100

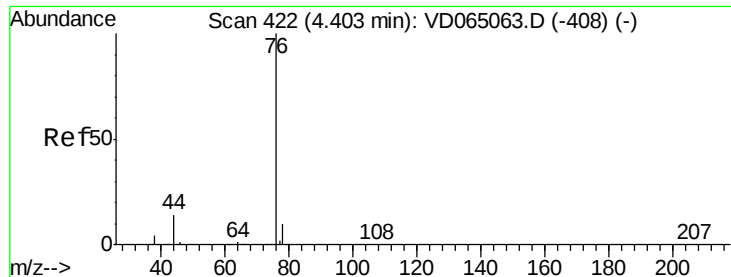
58 30.2 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

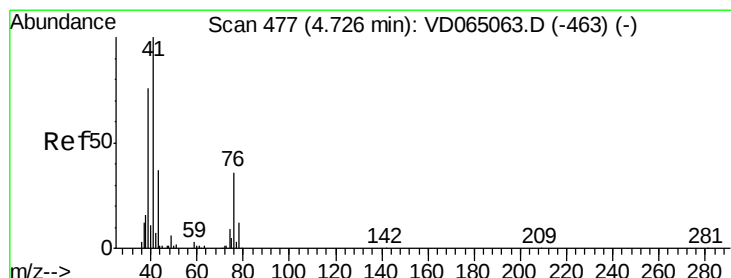
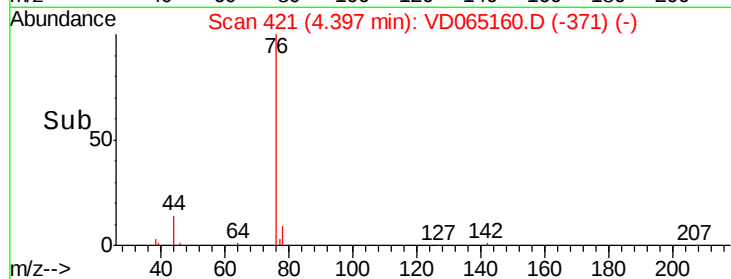
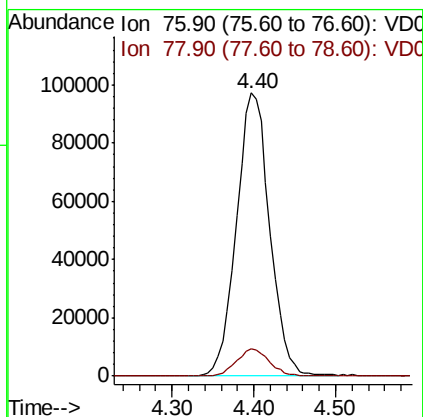
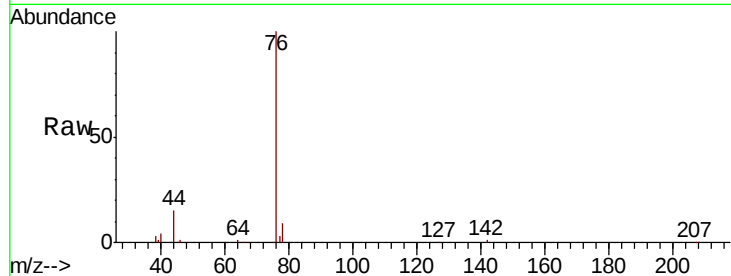




#17
Carbon Disulfide
Concen: 21.164 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

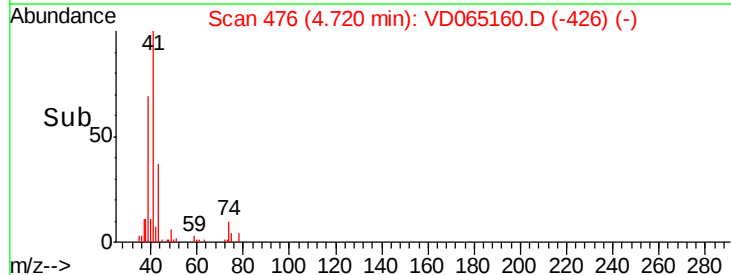
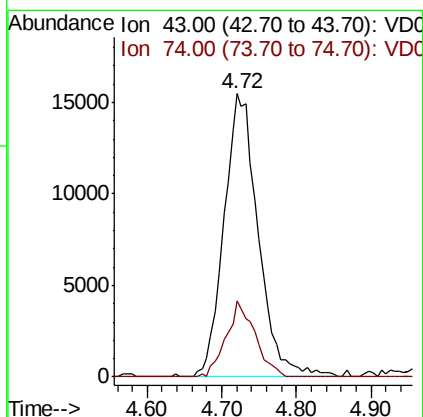
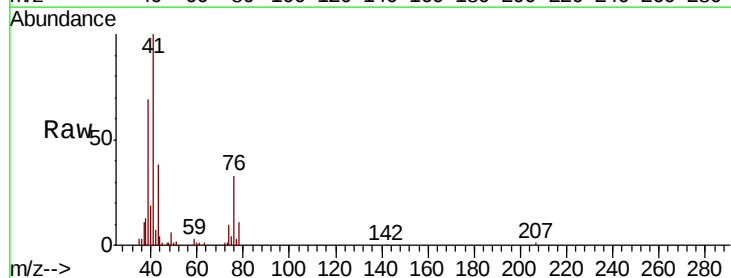
Instrument :
MSVOA_D
ClientSampled :

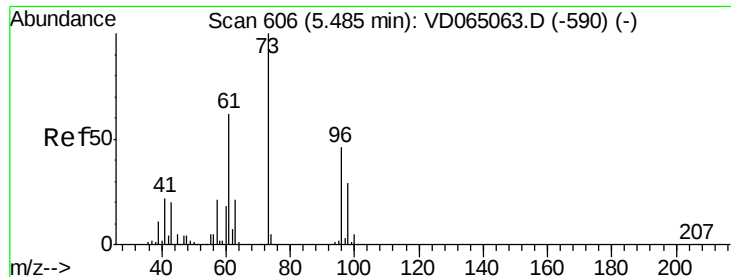
Tot Ion: 76 Resp: 274685
Ion Ratio Lower Upper
76 100
78 9.5 7.6 11.4



#18
Methyl Acetate
Concen: 24.276 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion: 43 Resp: 49355
Ion Ratio Lower Upper
43 100
74 22.6 18.7 28.1

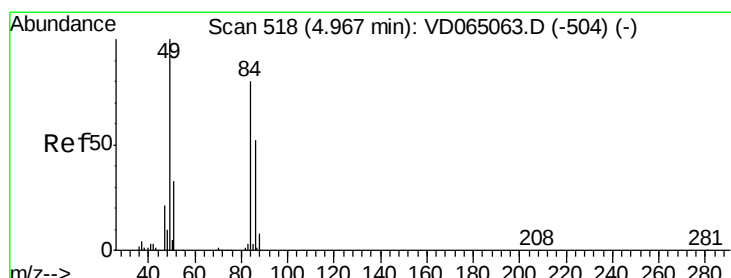
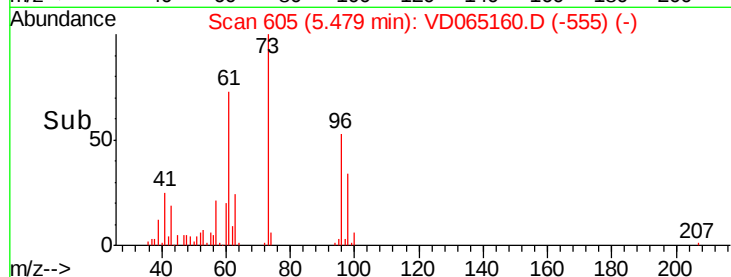
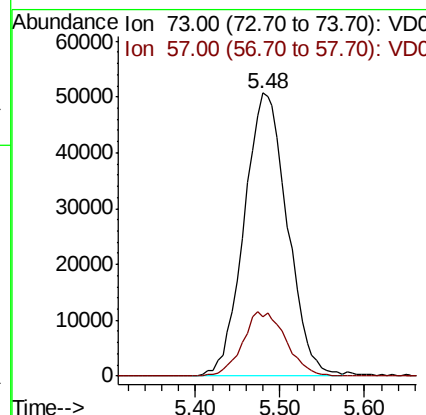
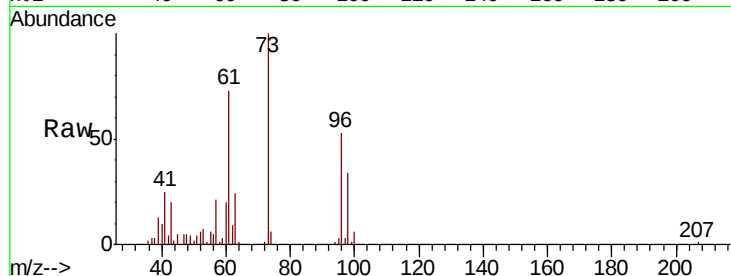




#19
Methvl tert-butvl Ether
Concen: 20.124 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

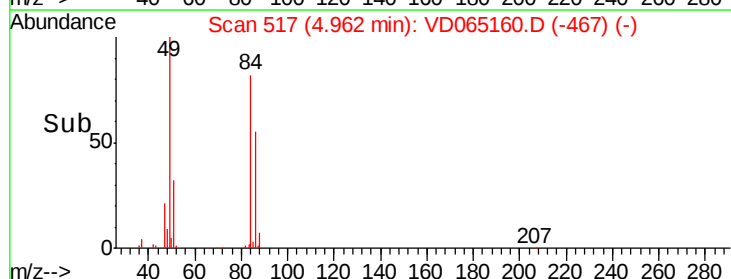
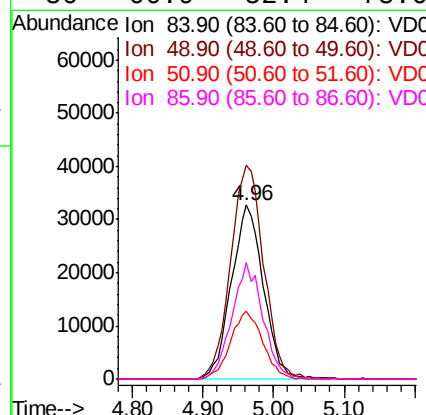
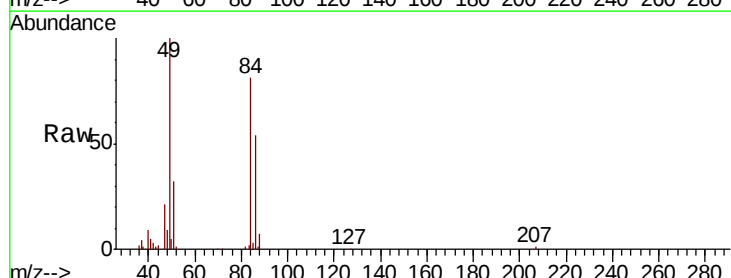
Instrument :
MSVOA_D
ClientSampleId :

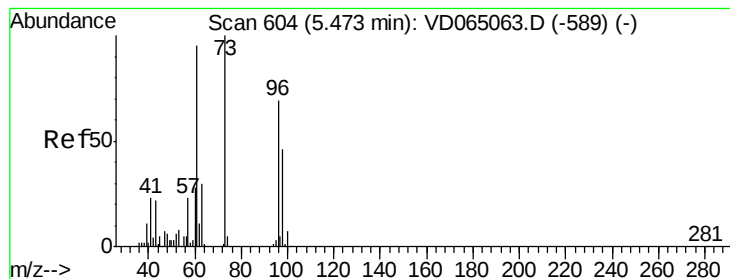
Tot Ion: 73 Resp: 179889
Ion Ratio Lower Upper
73 100
57 21.0 16.8 25.2



#20
Methylene Chloride
Concen: 21.802 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion: 84 Resp: 102934
Ion Ratio Lower Upper
84 100
49 122.8 100.4 150.6
51 38.8 32.7 49.1
86 66.9 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 20.920 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

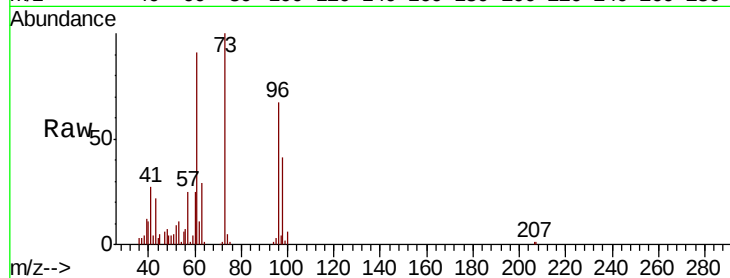
Tot Ion: 96 Resp: 95674

Ion Ratio Lower Upper

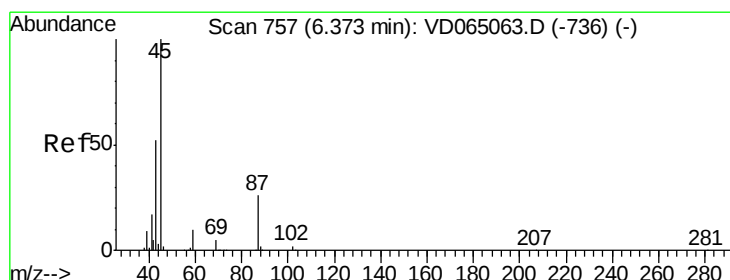
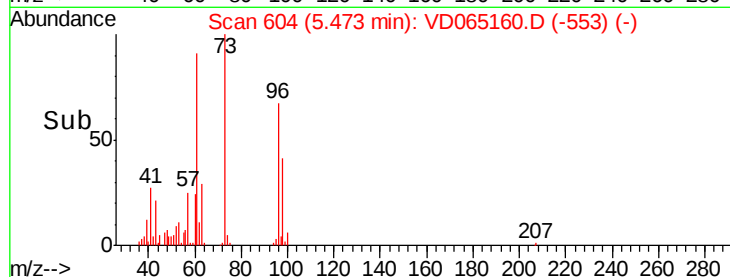
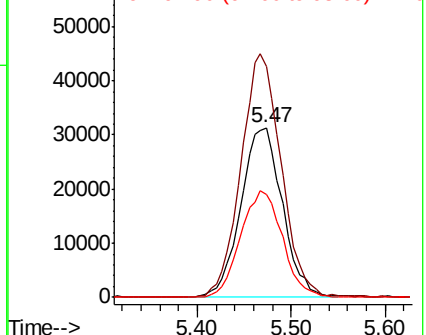
96 100

61 136.2 109.5 164.3

98 60.7 53.7 80.5



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



#22

Diisopropyl ether

Concen: 21.489 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Tgt Ion: 45 Resp: 272316

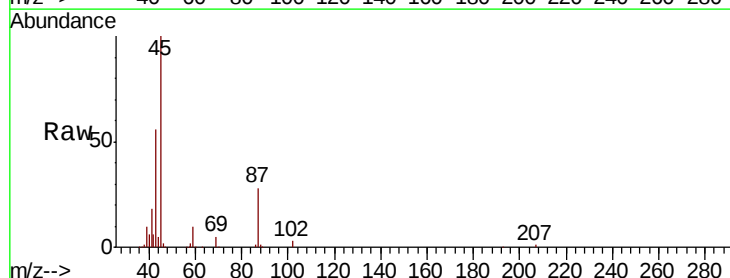
Ion Ratio Lower Upper

45 100

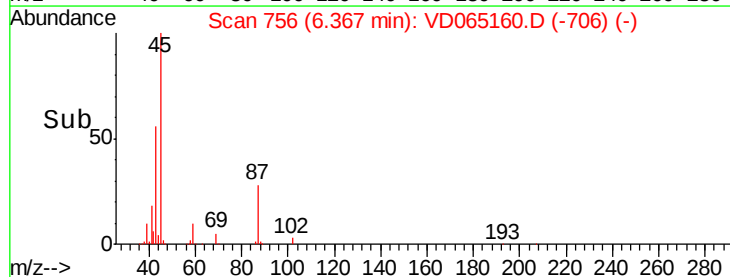
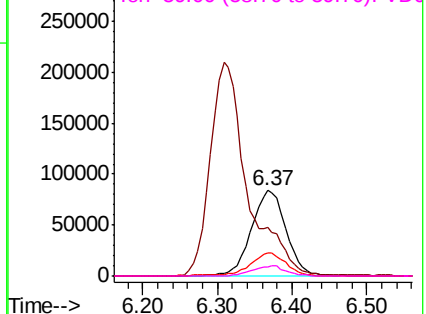
43 54.6 41.3 61.9

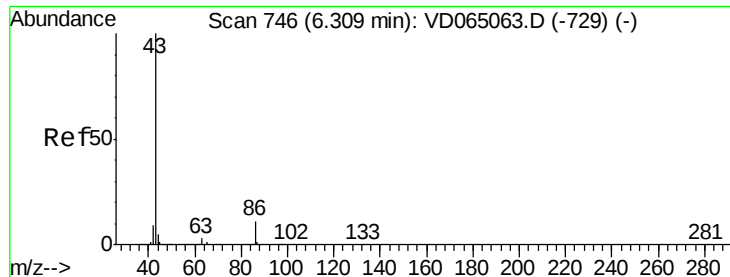
87 27.2 21.0 31.6

59 10.0 8.2 12.4



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 103.064 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

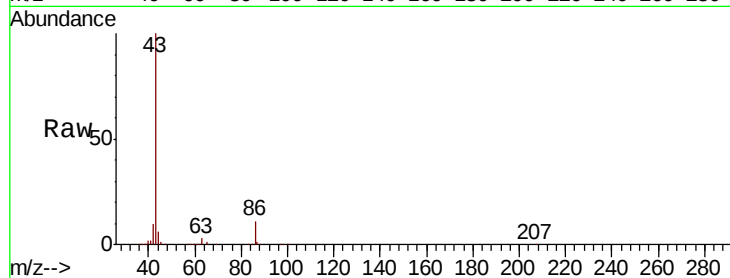
ClientSampleId :

Tot Ion: 43 Resp: 727961

Ion Ratio Lower Upper

43 100

86 10.7 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

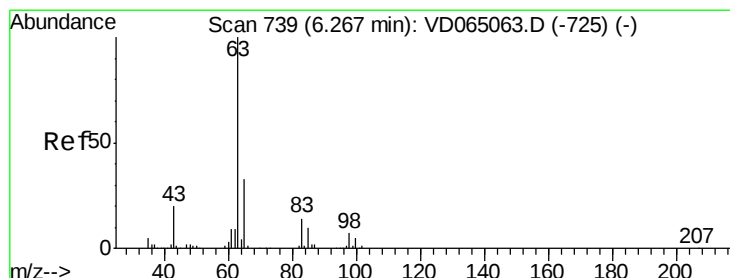
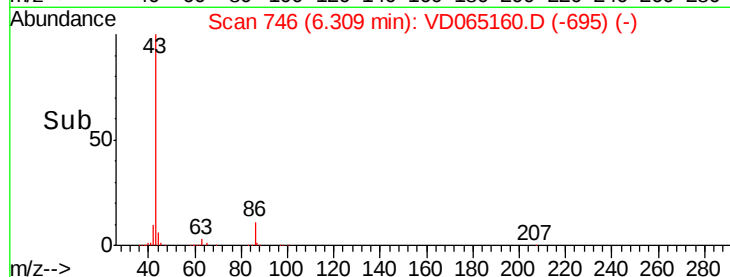
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 22.022 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

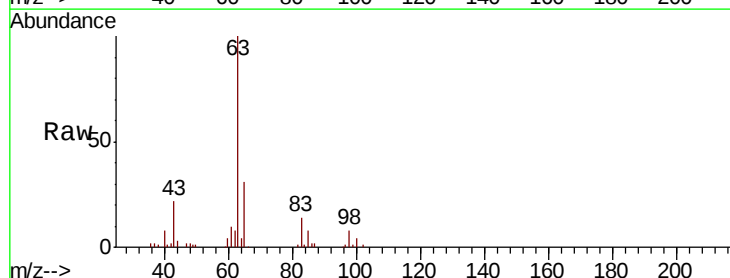
Tgt Ion: 63 Resp: 168910

Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.4

100 4.2 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

60000

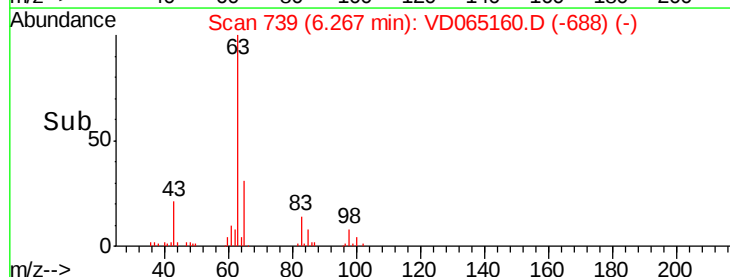
40000

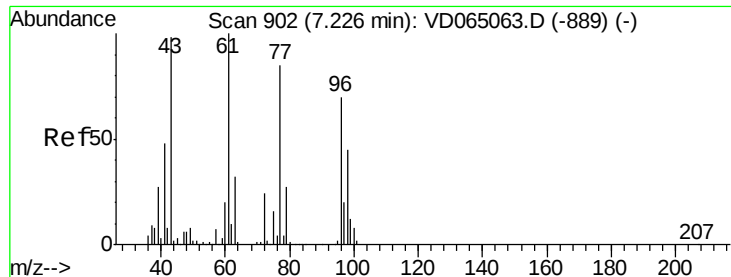
20000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 106.695 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

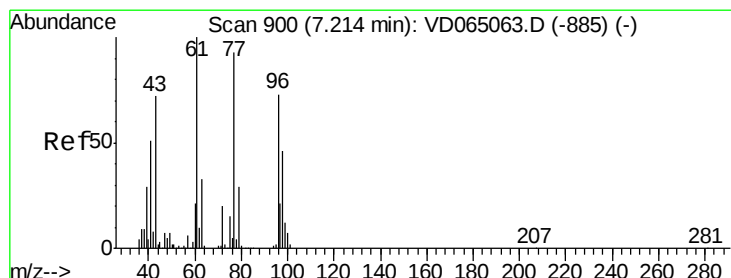
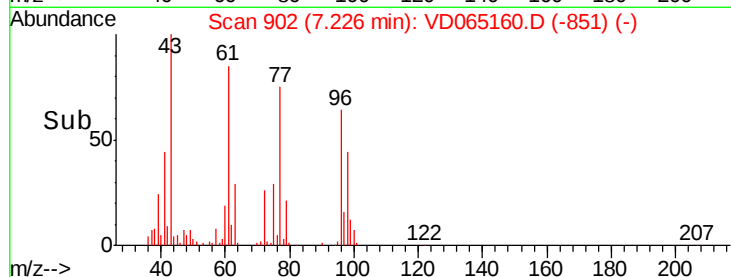
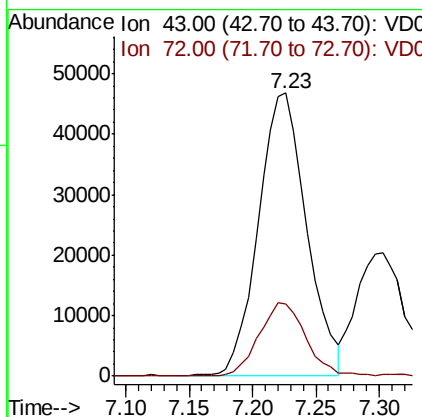
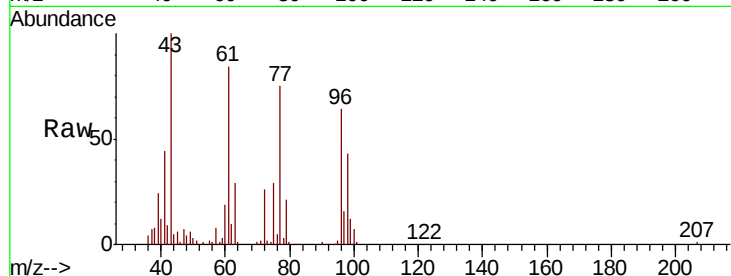
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 123845

Ion Ratio Lower Upper

43 100

72 25.6 19.9 29.9



#26

2,2-Dichloropropane

Concen: 21.172 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065160.D

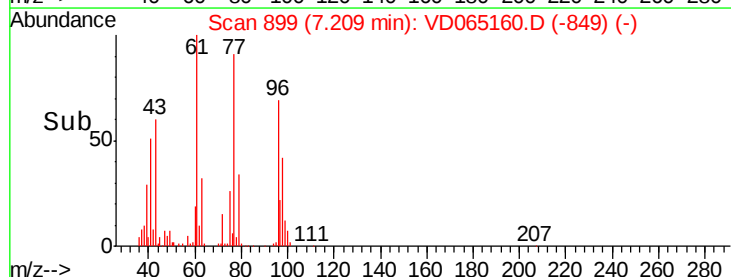
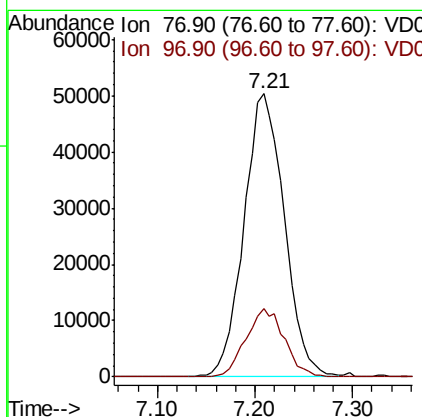
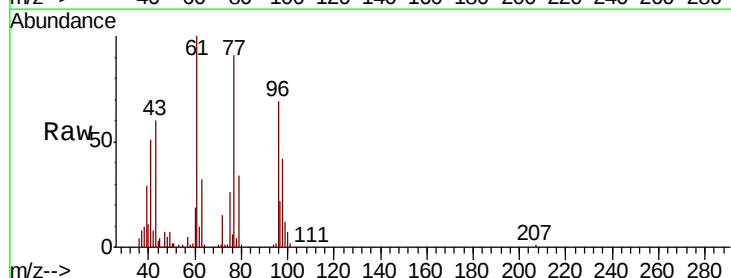
Acq: 12 Feb 2020 11:58

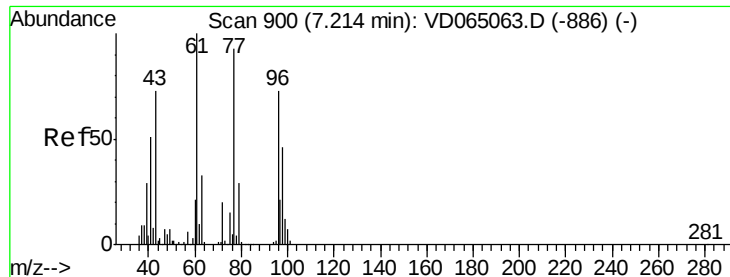
Tgt Ion: 77 Resp: 145557

Ion Ratio Lower Upper

77 100

97 23.1 10.9 32.6



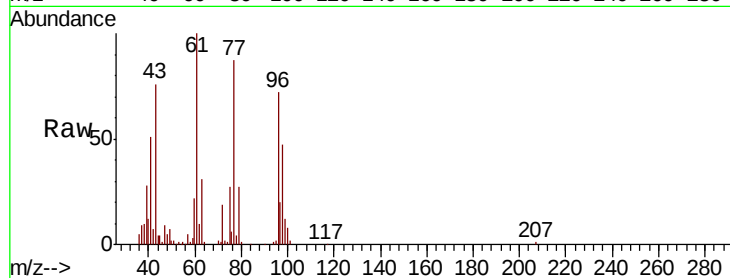


#27

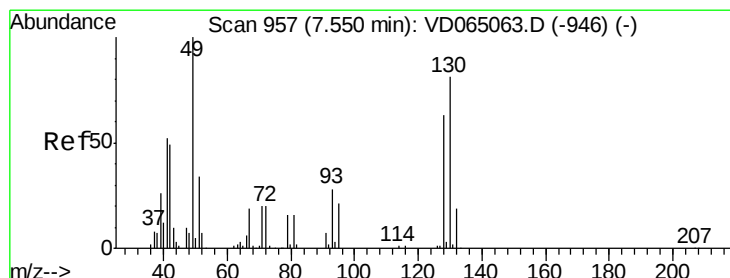
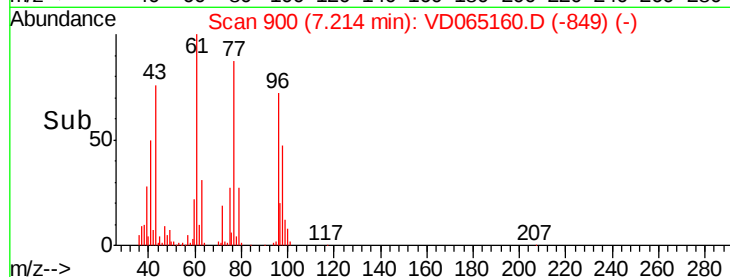
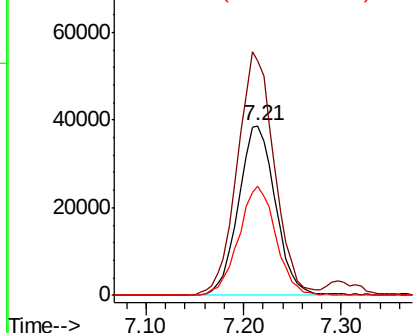
cis-1,2-Dichloroethene
Concen: 21.130 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.2	0.0	292.8
98	65.0	0.0	128.8



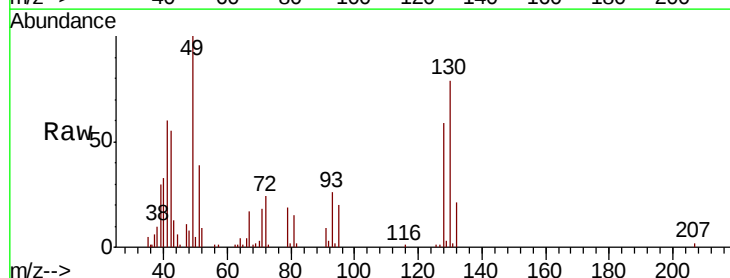
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



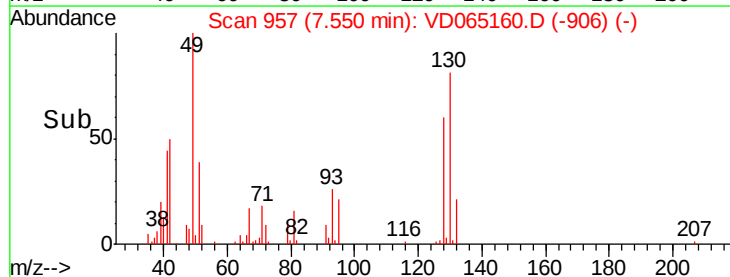
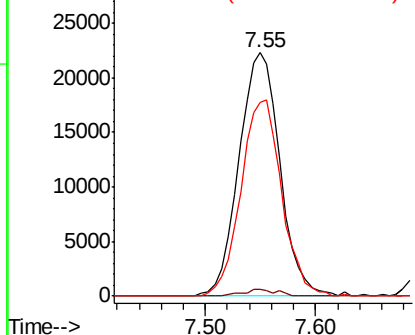
#28

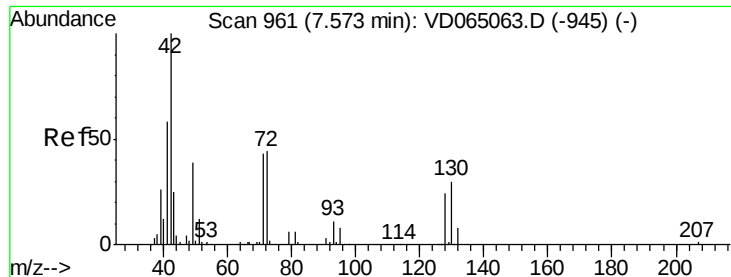
Bromochloromethane
Concen: 19.951 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	80.1	63.8	95.8



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

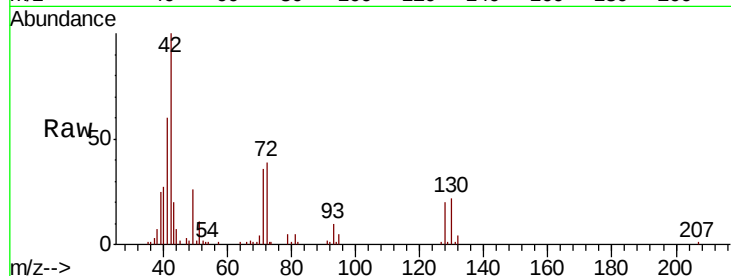




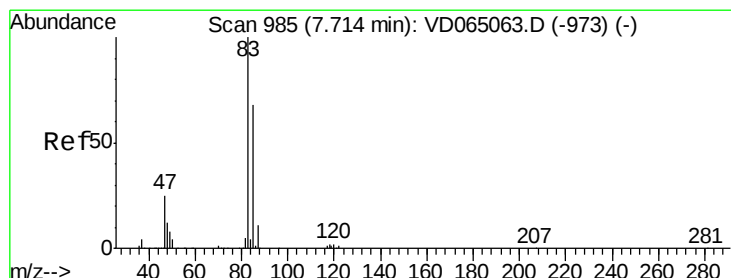
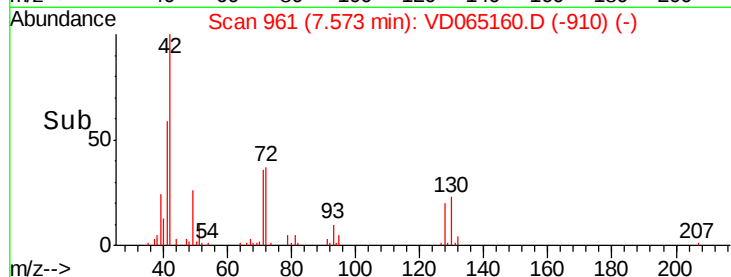
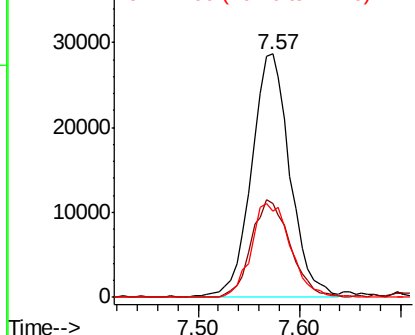
#29
Tetrahydrofuran
Concen: 108.184 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 75939
Ion Ratio Lower Upper
42 100
72 40.3 34.2 51.4
71 39.5 31.8 47.6

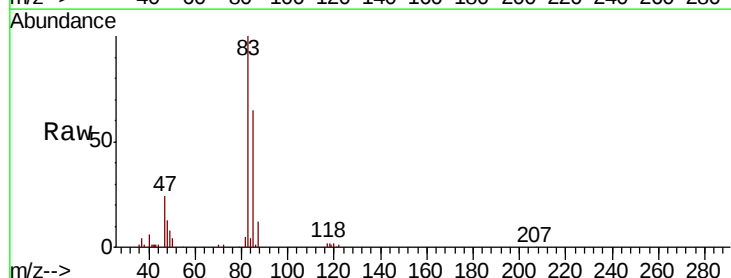


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

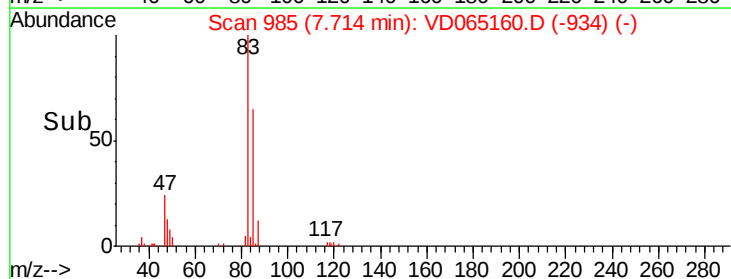
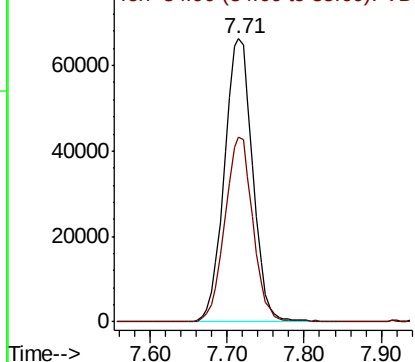


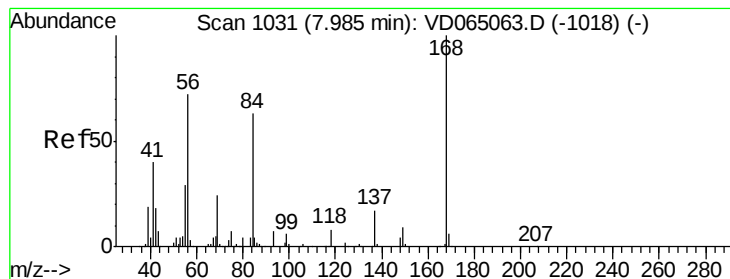
#30
Chloroform
Concen: 22.236 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion: 83 Resp: 169820
Ion Ratio Lower Upper
83 100
85 65.4 54.2 81.4



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





#31

Cyclohexane

Concen: 20.362 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampled :

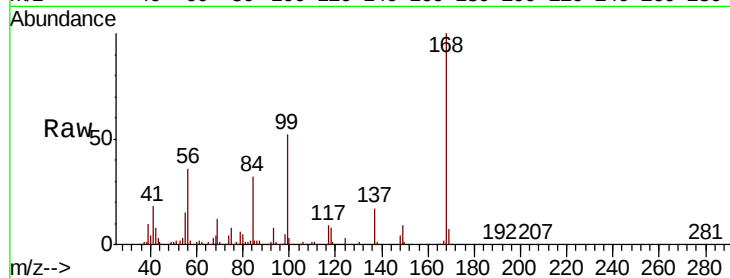
Tot Ion: 56 Resp: 157657

Ion Ratio Lower Upper

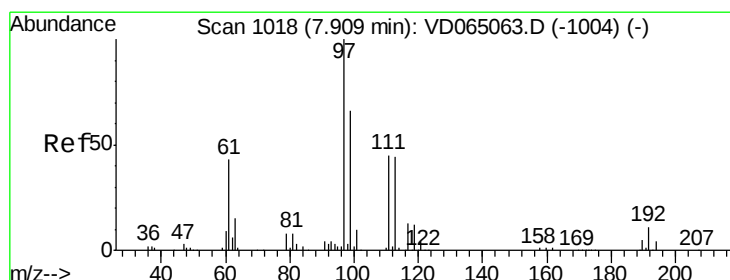
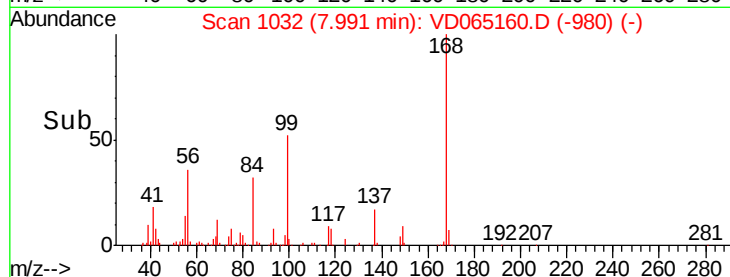
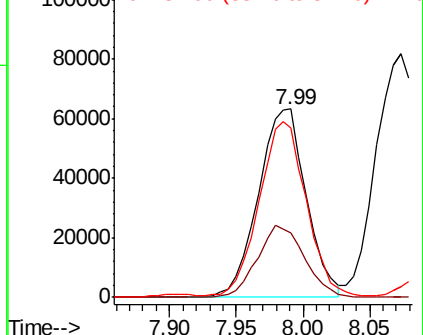
56 100

69 34.5 26.6 40.0

84 88.5 70.6 106.0



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



#32

1,1,1-Trichloroethane

Concen: 21.516 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

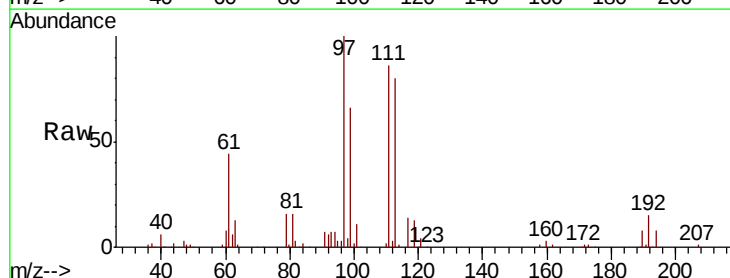
Tgt Ion: 97 Resp: 153068

Ion Ratio Lower Upper

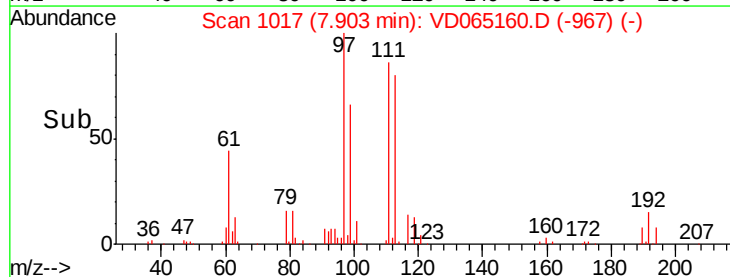
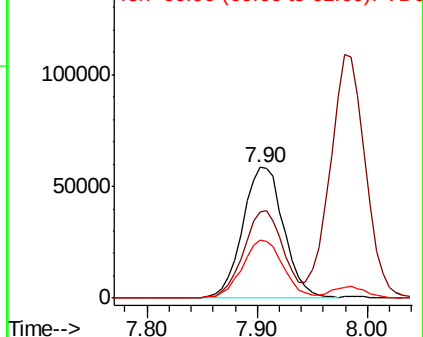
97 100

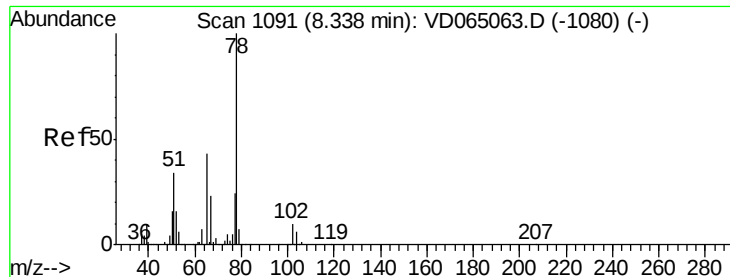
99 65.6 51.5 77.3

61 44.0 34.8 52.2



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





#33

1,2-Dichloroethane-d4

Concen: 51.994 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

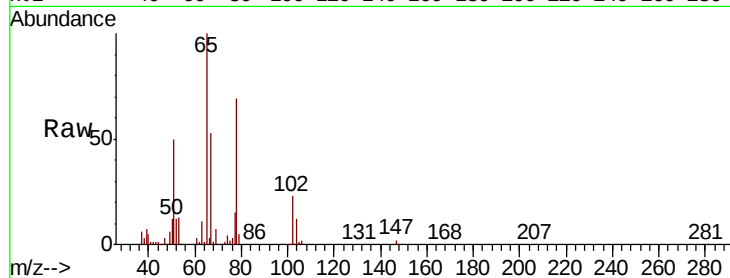
ClientSampled :

Tot Ion: 65 Resp: 202365

Ion Ratio Lower Upper

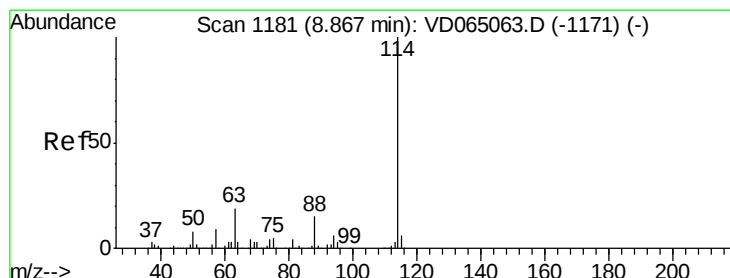
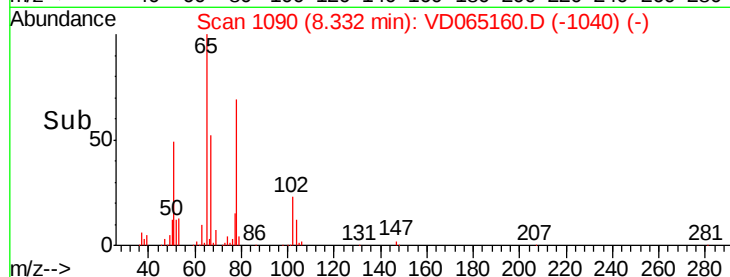
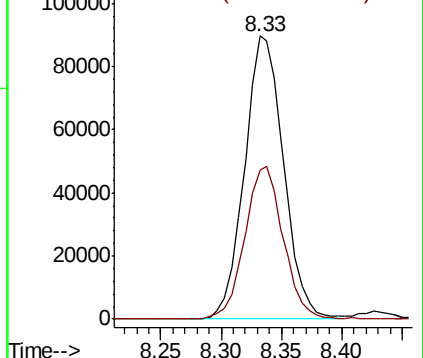
65 100

67 53.0 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

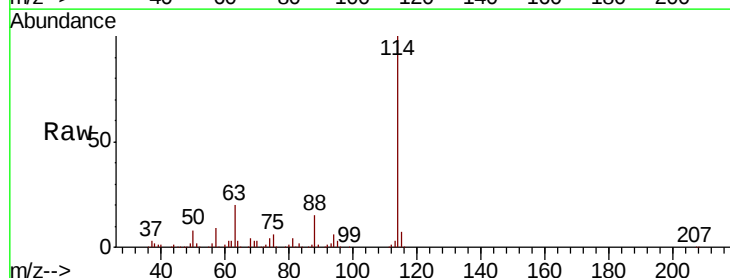
Tgt Ion: 114 Resp: 690973

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.8

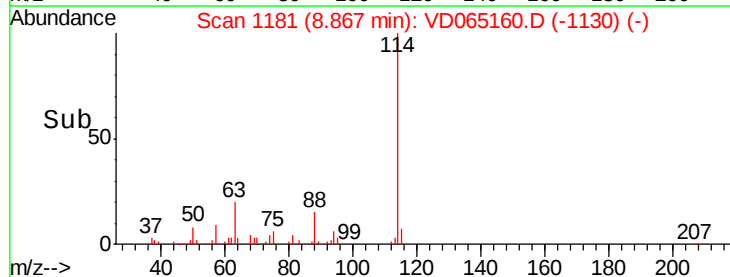
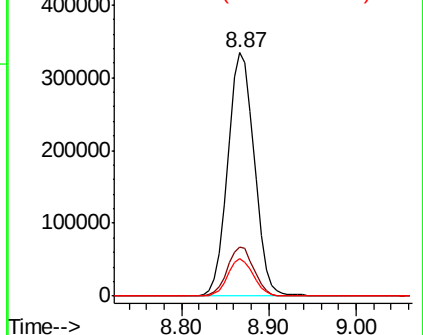
88 15.2 0.0 29.6

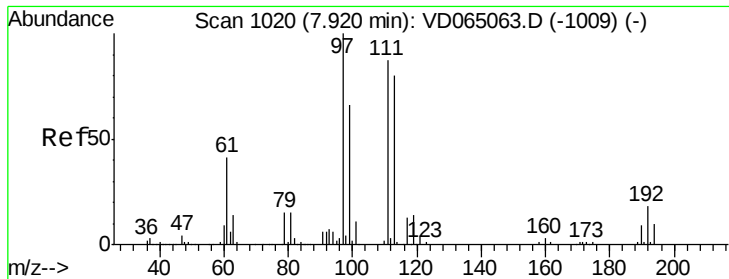


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

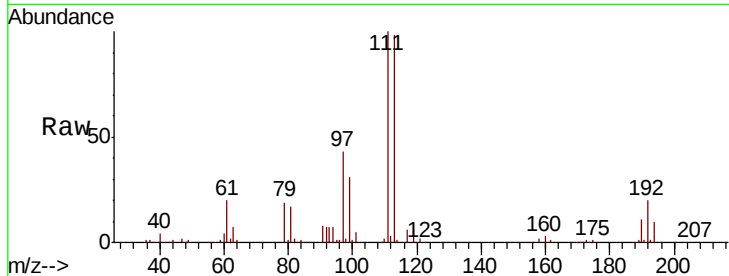




#35
Dibromofluoromethane
Concen: 52.659 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.1	124.7
192	21.2	18.1	27.1

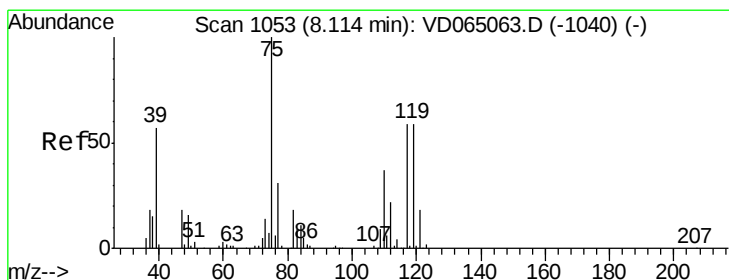
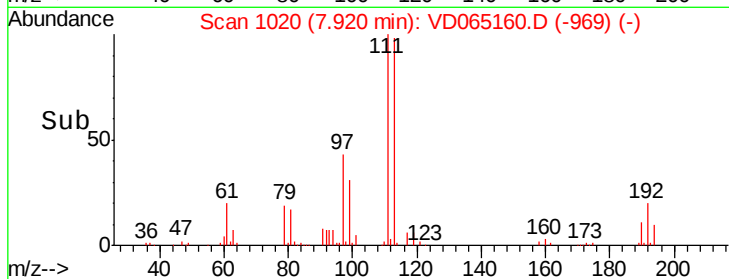
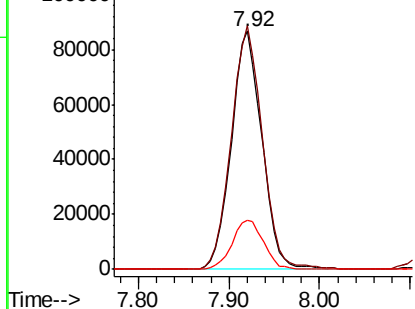


Abundance

Ion 112.80 (112.50 to 113.50): V

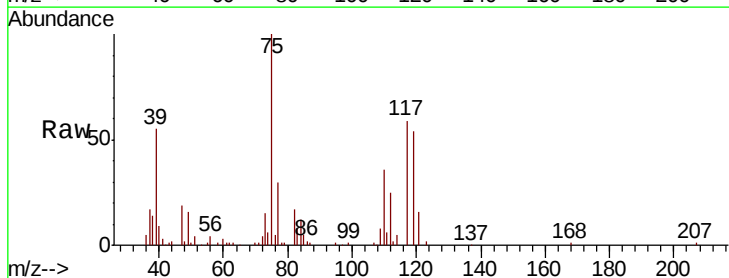
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 21.303 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	18.1	54.3
77	30.5	24.7	37.1

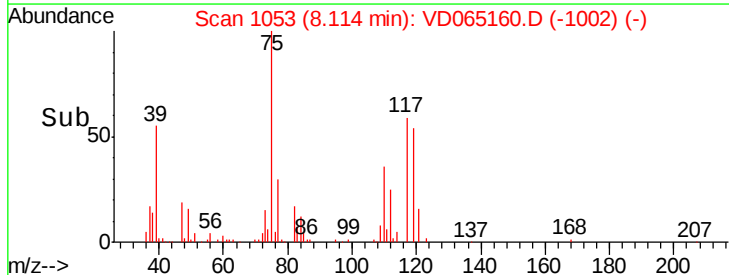
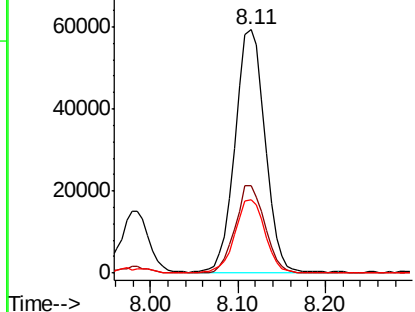


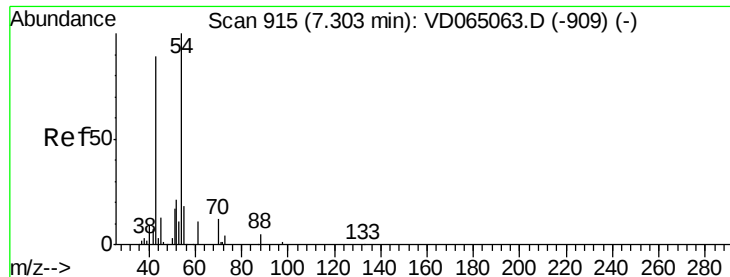
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

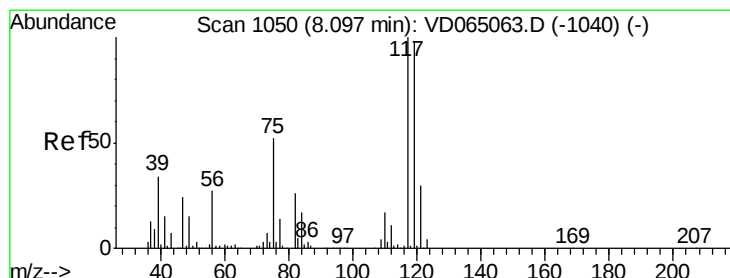
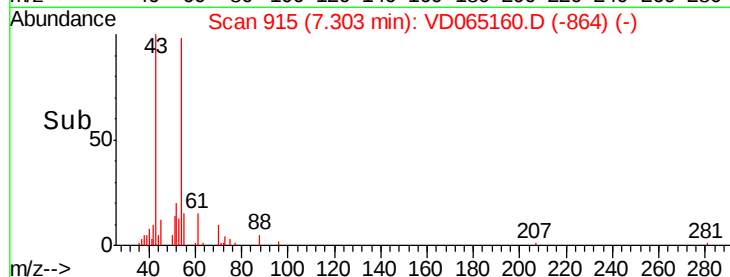
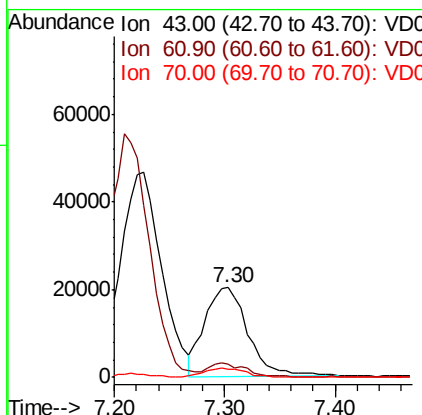
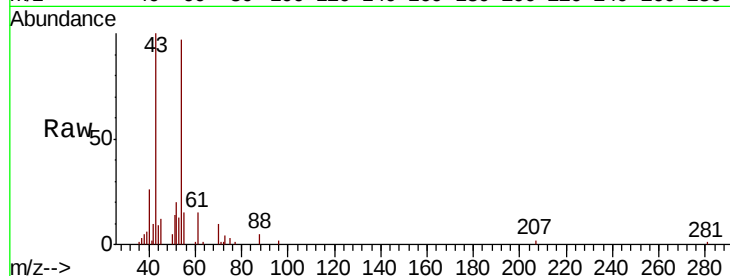




#37
Ethyl Acetate
Concen: 21.025 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

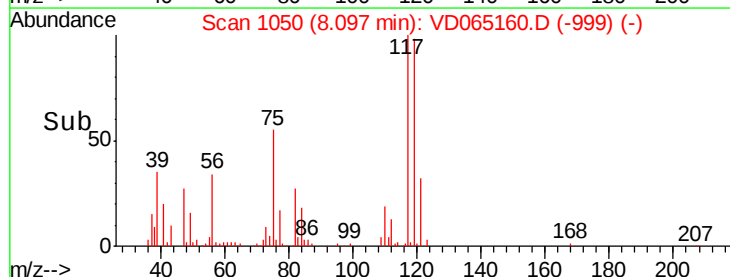
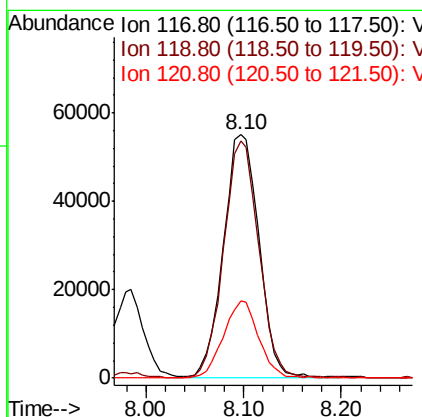
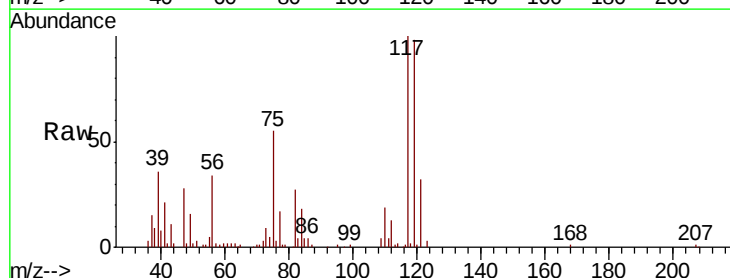
Instrument :
MSVOA_D
ClientSampleId :

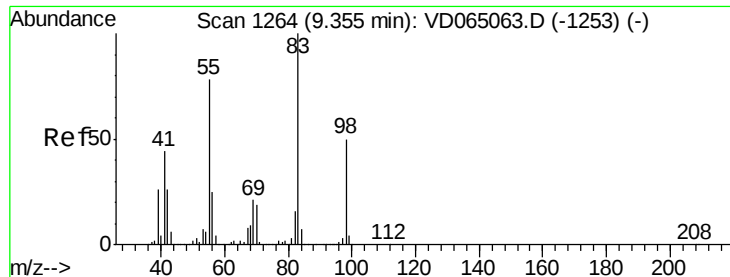
Tot Ion: 43 Resp: 55188
Ion Ratio Lower Upper
43 100
61 14.6 11.0 16.4
70 10.0 8.2 12.2



#38
Carbon Tetrachloride
Concen: 21.344 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion: 117 Resp: 140064
Ion Ratio Lower Upper
117 100
119 97.2 78.5 117.7
121 31.8 23.8 35.6

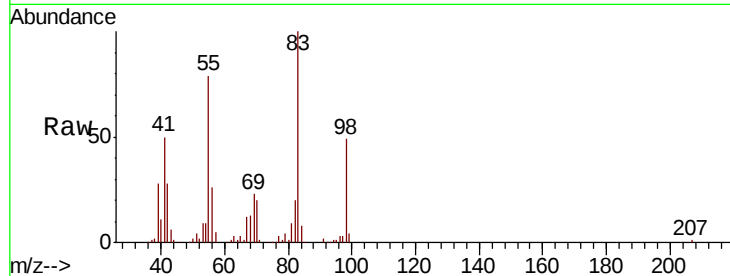




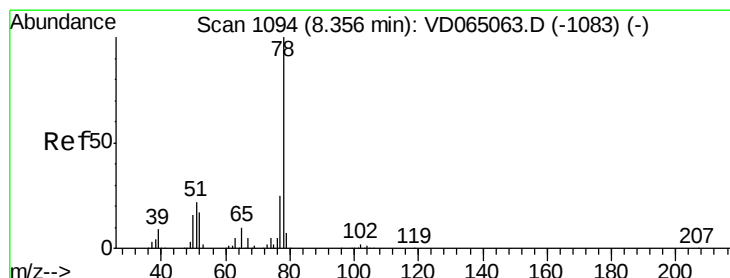
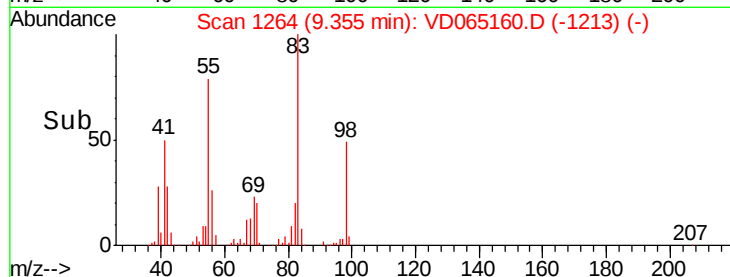
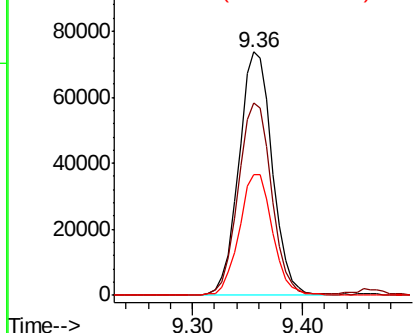
#39
Methvlcvclohexane
Concen: 19.821 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 157191
Ion Ratio Lower Upper
83 100
55 78.8 62.0 93.0
98 49.3 39.9 59.9

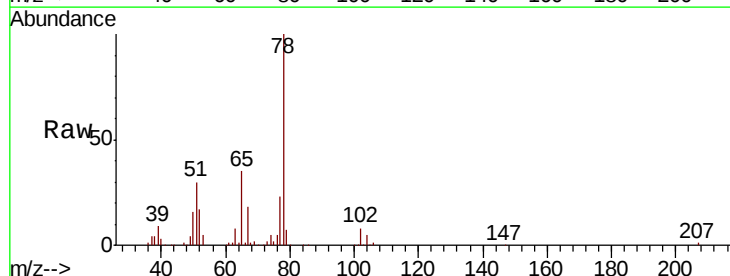


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

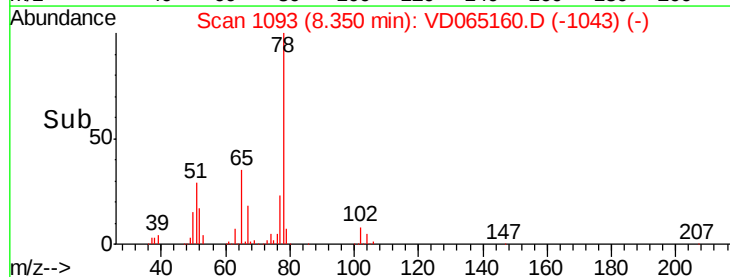
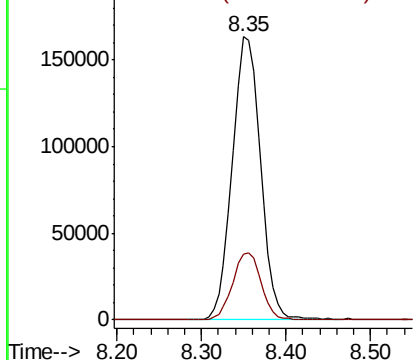


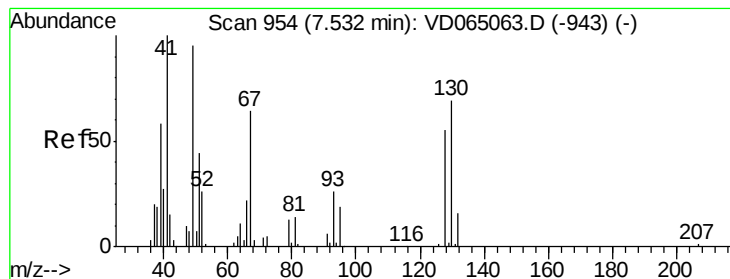
#40
Benzene
Concen: 21.284 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion: 78 Resp: 377632
Ion Ratio Lower Upper
78 100
77 23.4 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: 52.966 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.04 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 76593

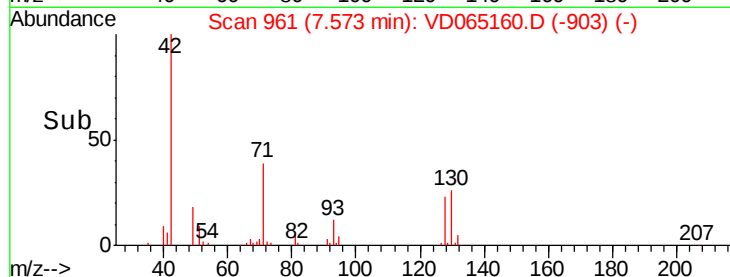
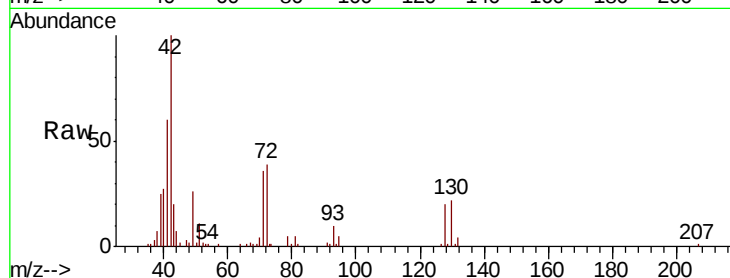
Ion Ratio Lower Upper

41 100

39 0.0 55.4 83.0#

67 0.0 59.0 88.6#

52 0.0 25.4 38.0#

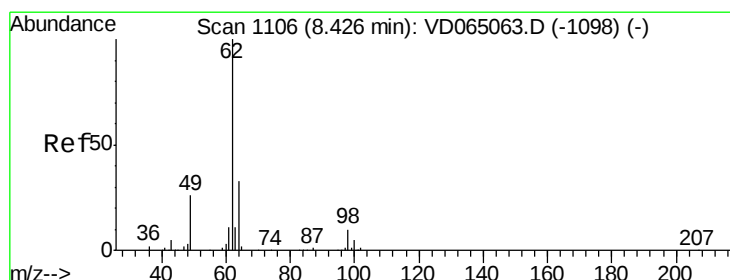
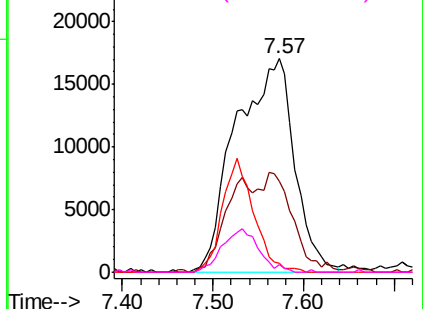


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.072 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD065160.D

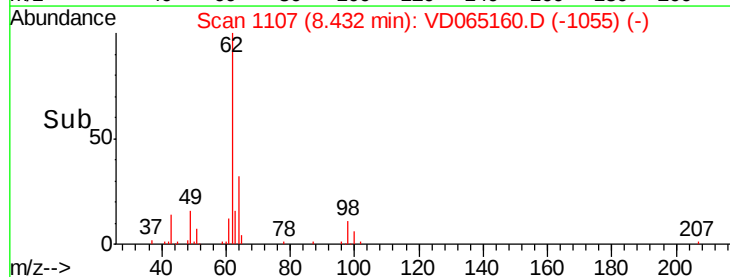
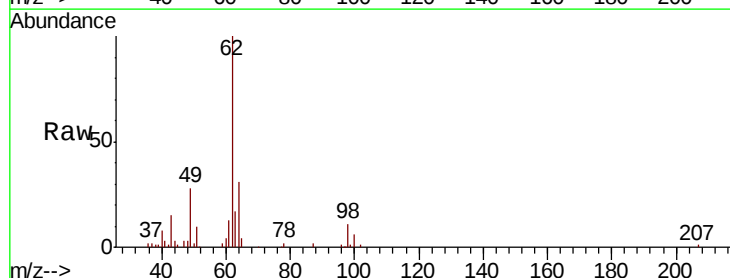
Acq: 12 Feb 2020 11:58

Tgt Ion: 62 Resp: 106530

Ion Ratio Lower Upper

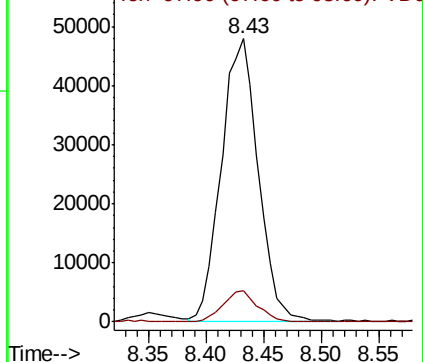
62 100

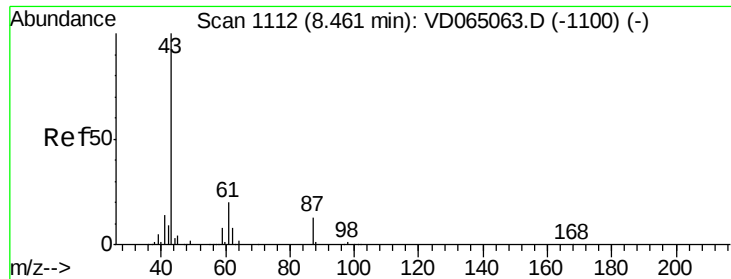
98 10.3 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.486 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

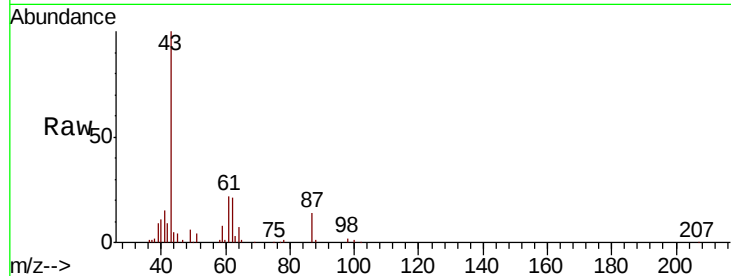
Tot Ion: 43 Resp: 102865

Ion Ratio Lower Upper

43 100

61 31.1 24.0 36.0

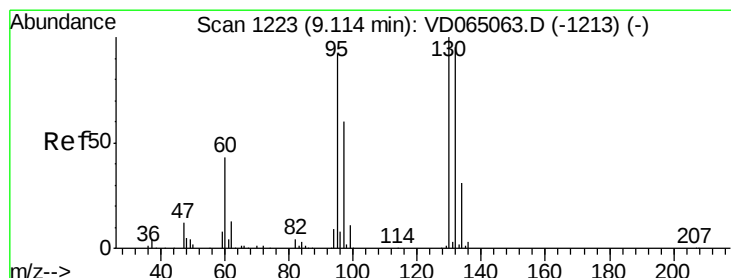
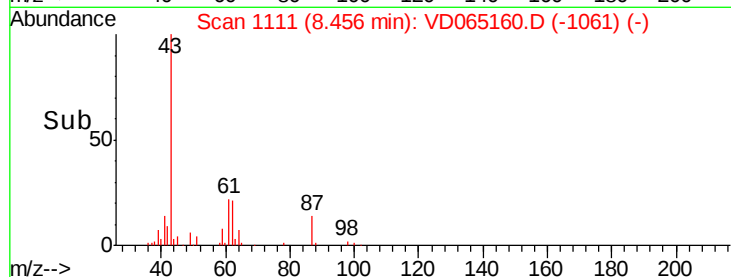
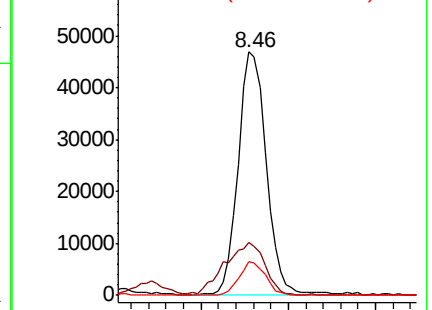
87 12.8 10.2 15.4



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: 20.419 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065160.D

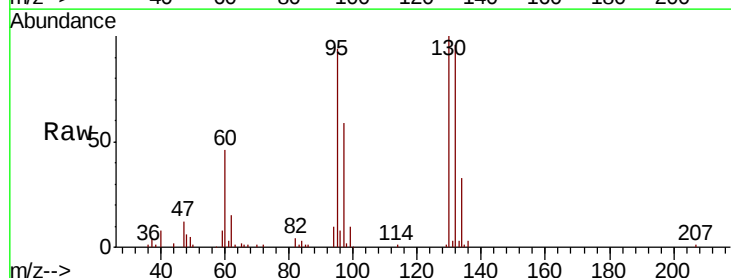
Acq: 12 Feb 2020 11:58

Tgt Ion:130 Resp: 103986

Ion Ratio Lower Upper

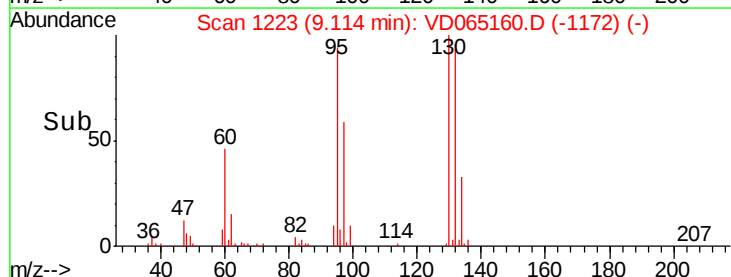
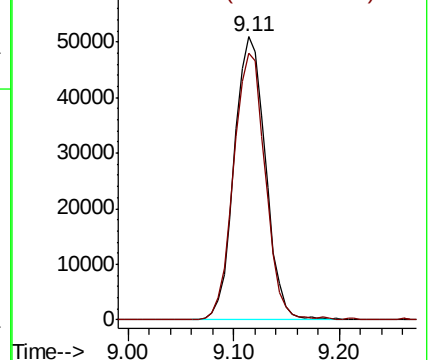
130 100

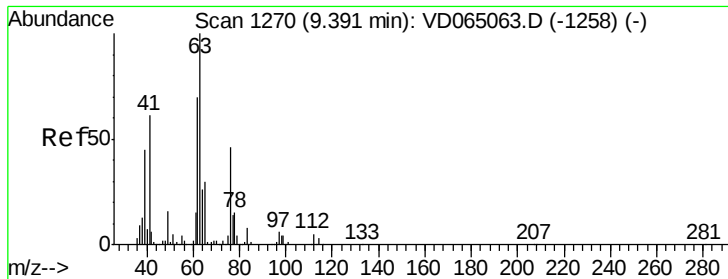
95 94.4 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.127 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

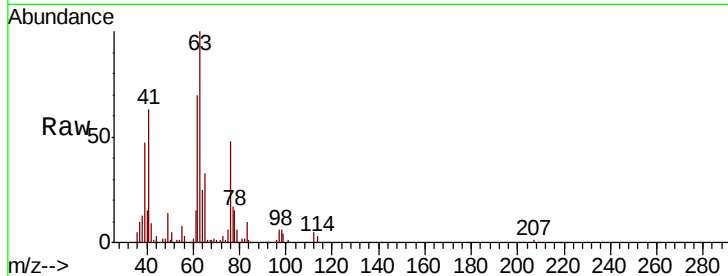
ClientSampleId :

Tot Ion: 63 Resp: 94127

Ion Ratio Lower Upper

63 100

65 33.4 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

40000

30000

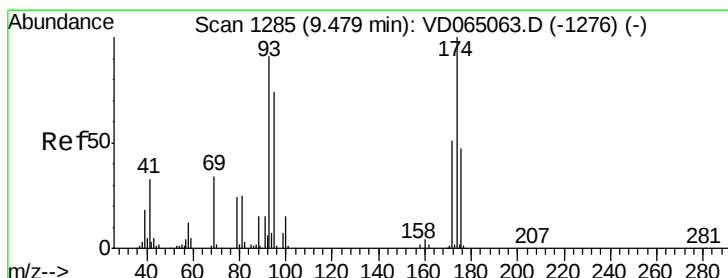
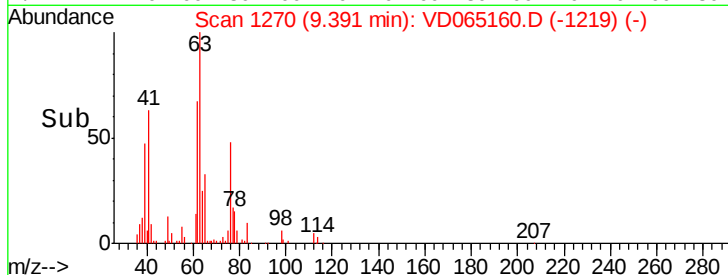
20000

10000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 21.459 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

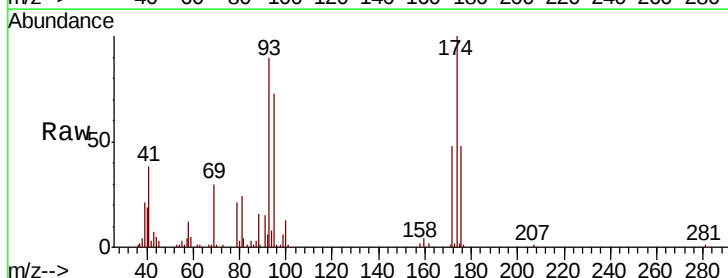
Tgt Ion: 93 Resp: 47969

Ion Ratio Lower Upper

93 100

95 82.8 66.5 99.7

174 112.7 89.8 134.8



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

9.48

30000

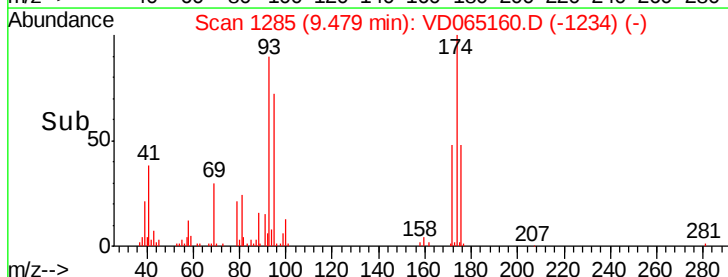
20000

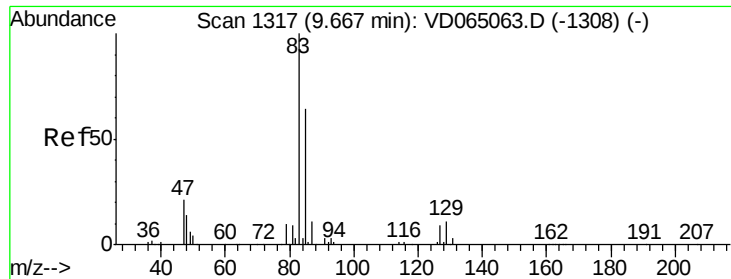
10000

0

9.40 9.50 9.60

Time-->





#47

Bromodichloromethane

Concen: 22.154 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :

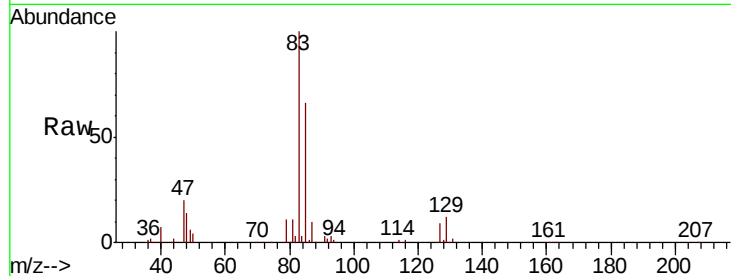
Tot Ion: 83 Resp: 130484

Ion Ratio Lower Upper

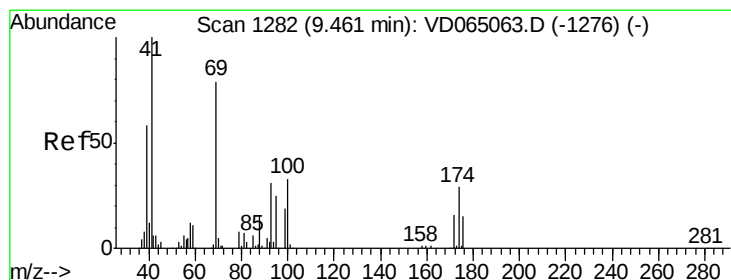
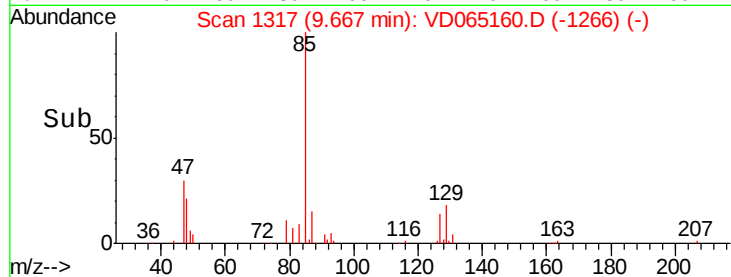
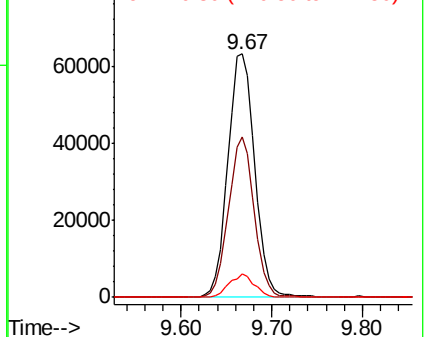
83 100

85 65.9 51.0 76.6

127 9.5 7.3 10.9



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



#48

Methyl methacrylate

Concen: 20.019 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

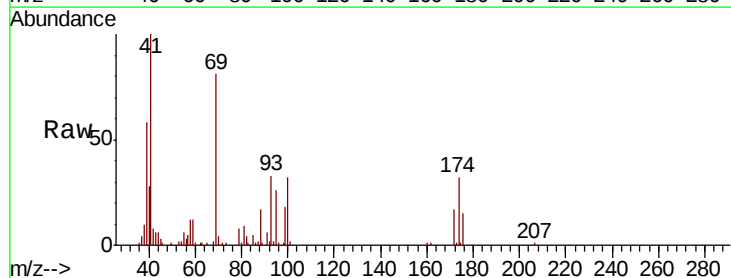
Tgt Ion: 41 Resp: 48369

Ion Ratio Lower Upper

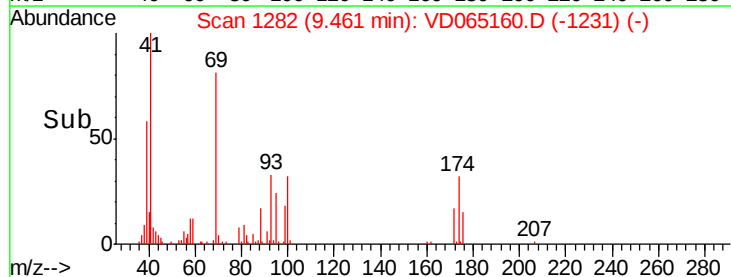
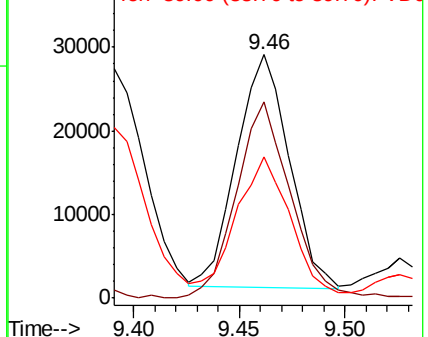
41 100

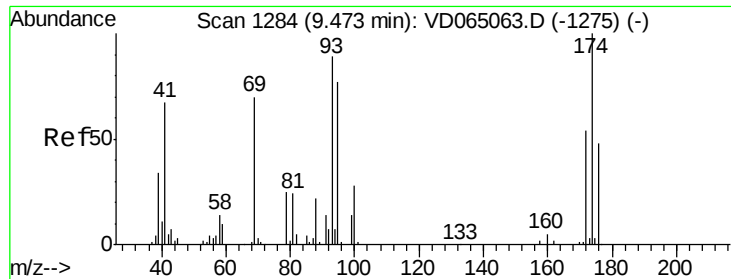
69 87.2 67.5 101.3

39 58.4 47.0 70.4



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

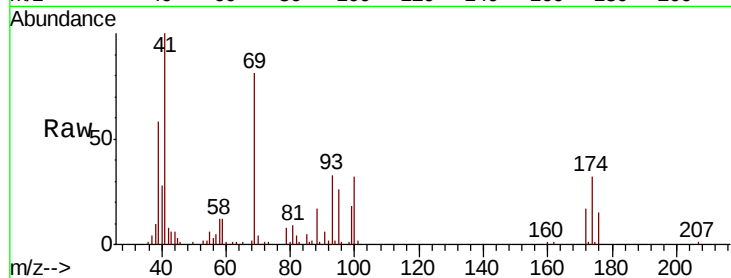




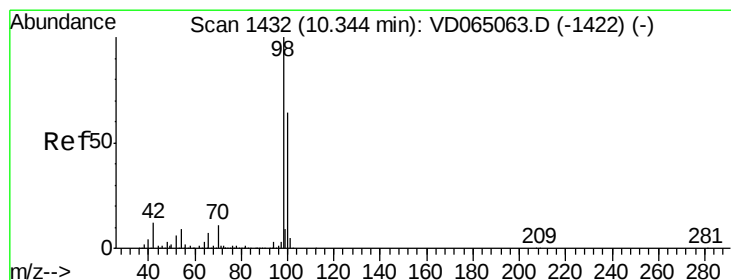
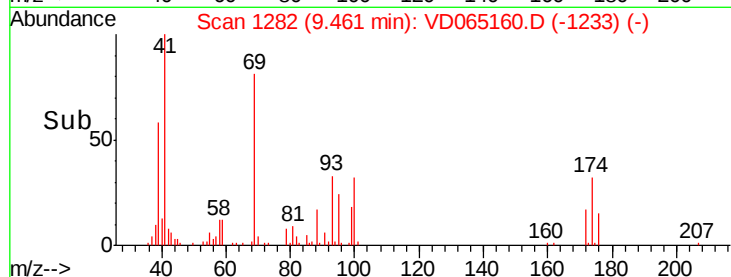
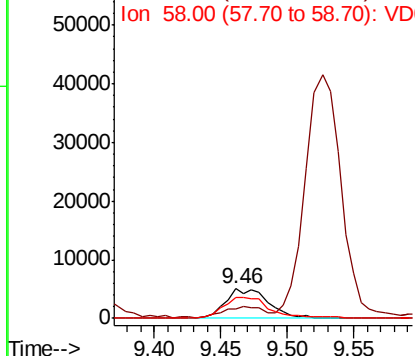
#49
1,4-Dioxane
Concen: 424.836 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 11248
Ion Ratio Lower Upper
88 100
43 40.2 27.7 41.5
58 79.1 55.5 83.3

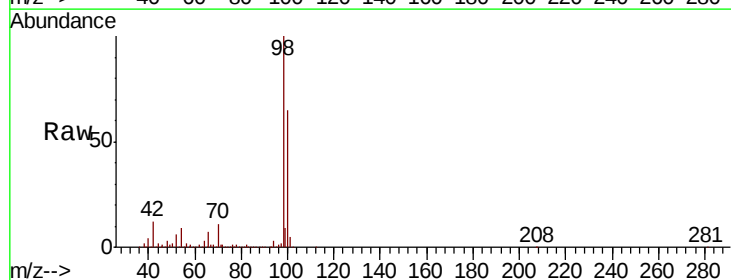


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

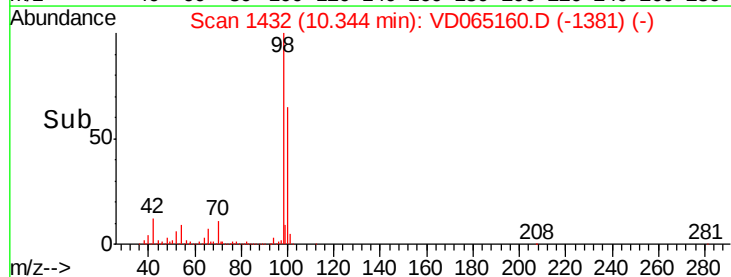
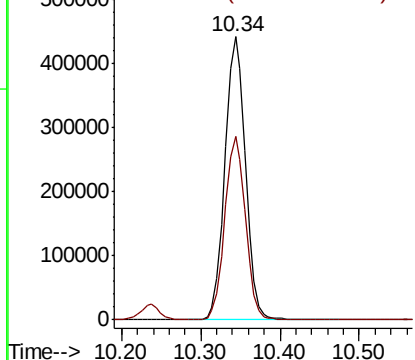


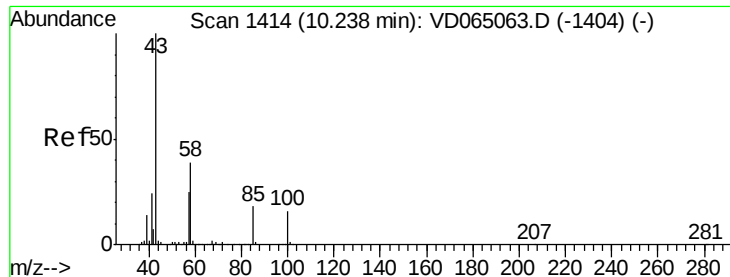
#50
Toluene-d8
Concen: 51.636 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion: 98 Resp: 792353
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



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

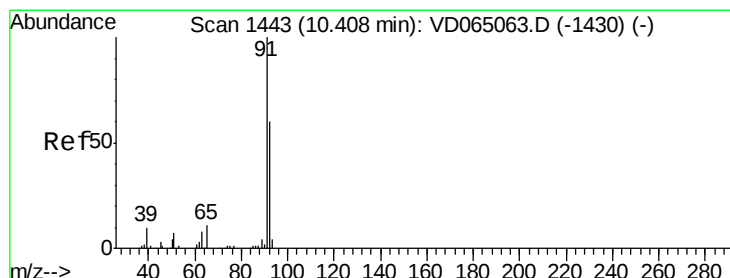
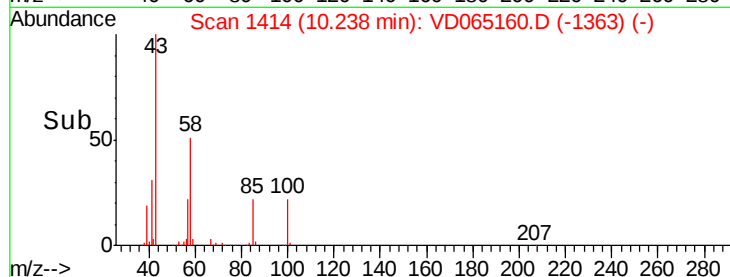
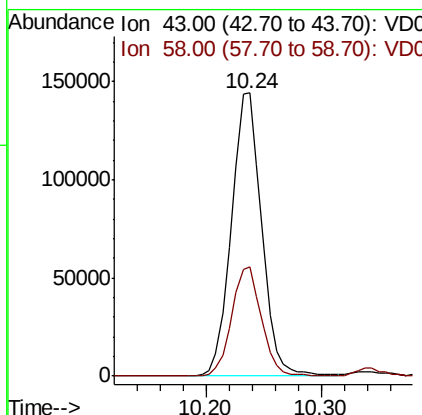
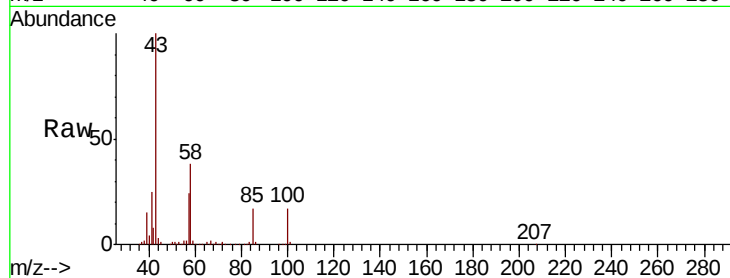




#51
4-Methyl-2-Pentanone
Concen: 106.157 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

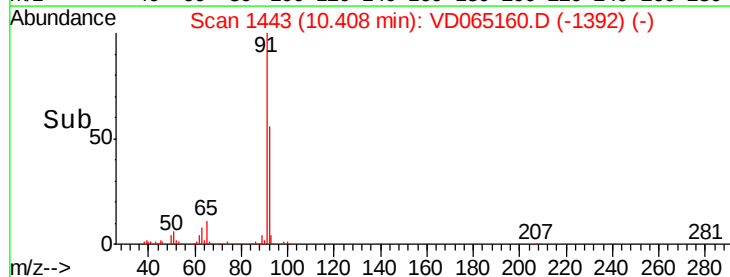
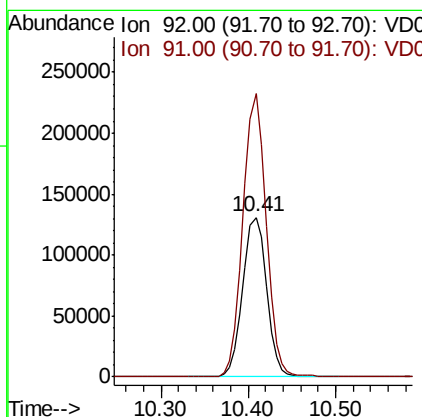
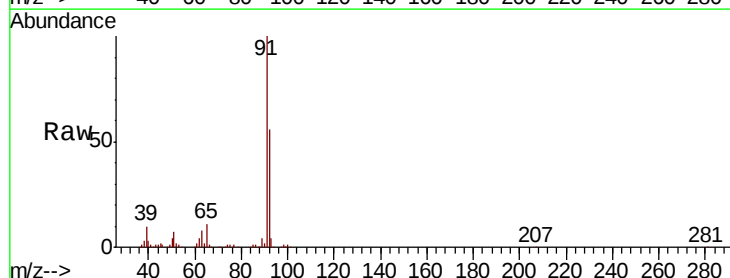
Instrument :
MSVOA_D
ClientSampleId :

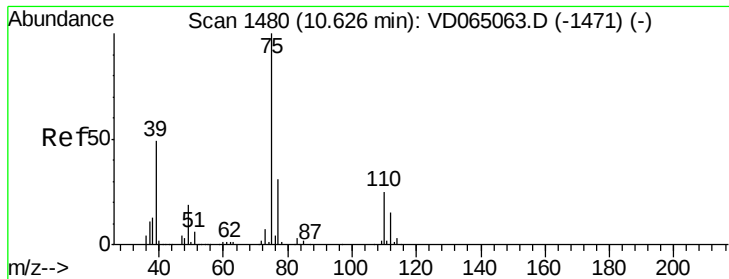
Tot Ion: 43 Resp: 262366
Ion Ratio Lower Upper
43 100
58 37.9 30.2 45.2



#52
Toluene
Concen: 21.323 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion: 92 Resp: 241461
Ion Ratio Lower Upper
92 100
91 173.0 135.3 202.9





#53

t-1,3-Dichloropropene

Concen: 20.622 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

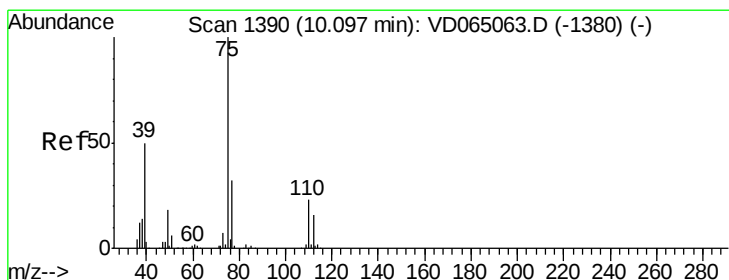
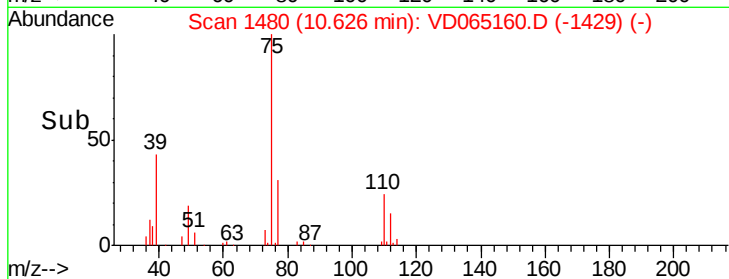
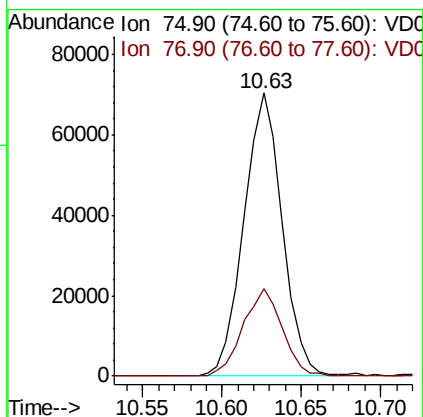
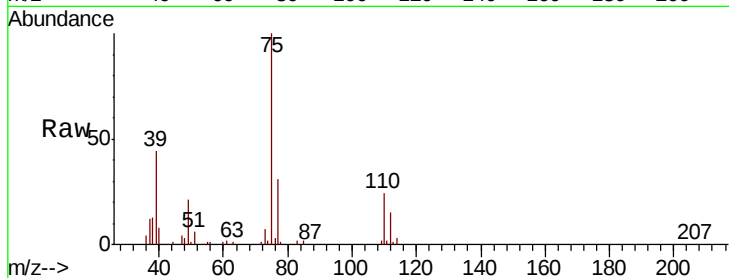
ClientSampleId :

Tot Ion: 75 Resp: 118262

Ion Ratio Lower Upper

75 100

77 30.9 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 20.858 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

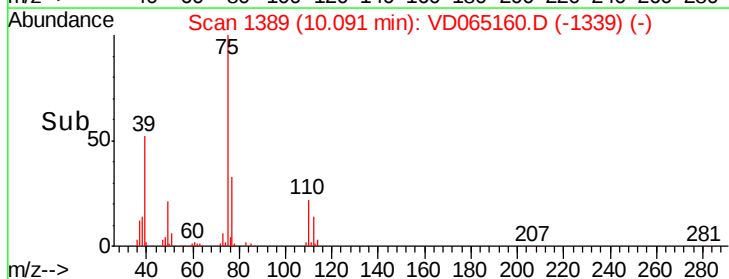
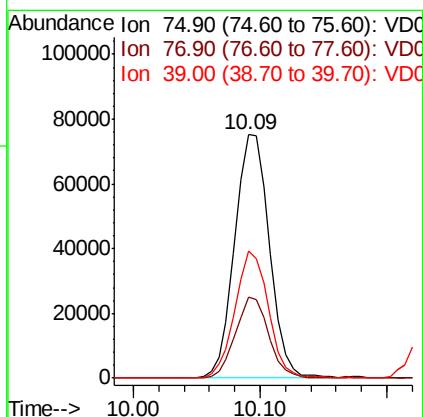
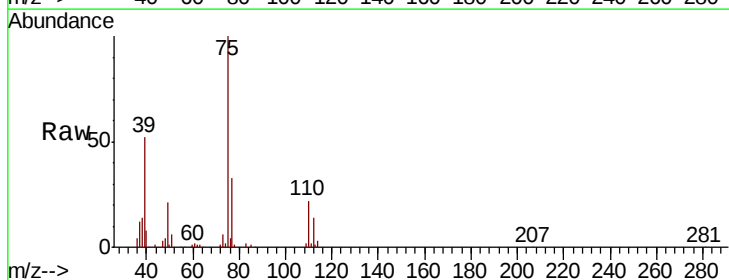
Tgt Ion: 75 Resp: 143055

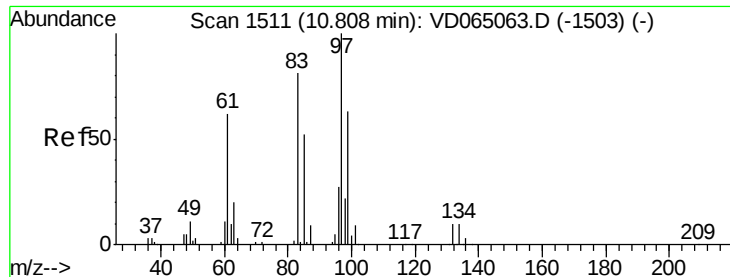
Ion Ratio Lower Upper

75 100

77 33.4 25.3 37.9

39 51.9 40.3 60.5





#55

1,1,2-Trichloroethane

Concen: 22.354 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 68539

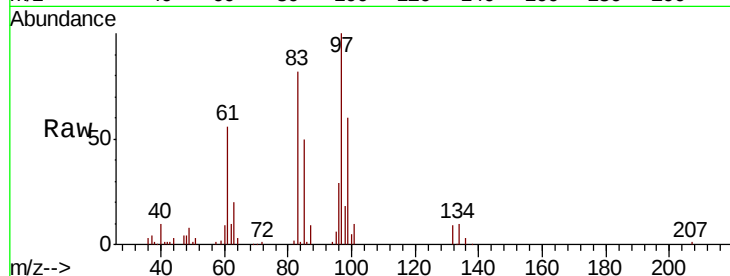
Ion Ratio Lower Upper

97 100

83 82.2 64.8 97.2

85 50.3 41.2 61.8

99 60.2 50.3 75.5

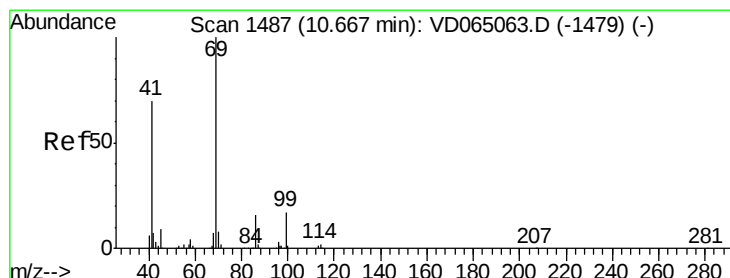
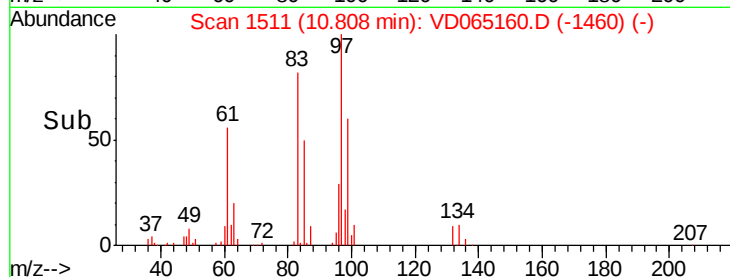
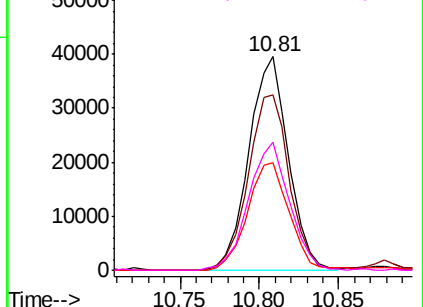


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 20.676 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

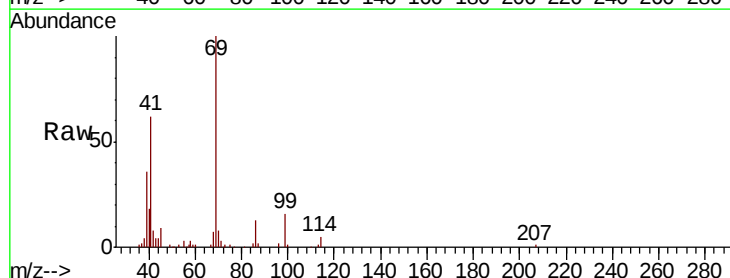
Tgt Ion: 69 Resp: 80211

Ion Ratio Lower Upper

69 100

41 64.6 55.9 83.9

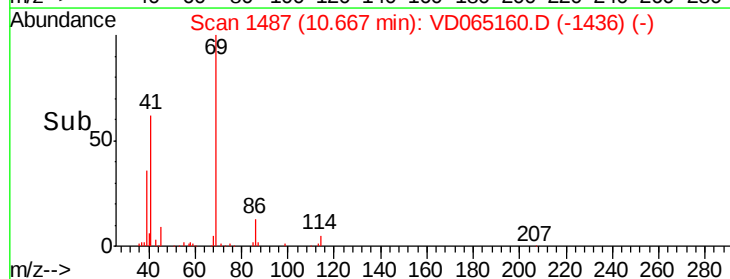
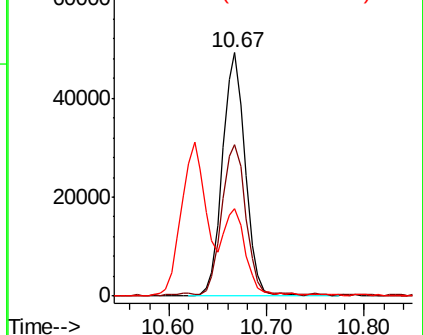
39 33.6 29.4 44.0

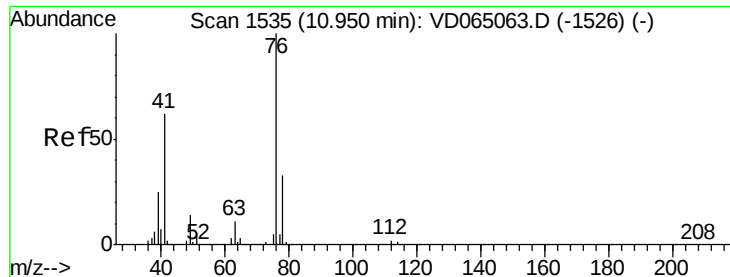


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 21.619 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

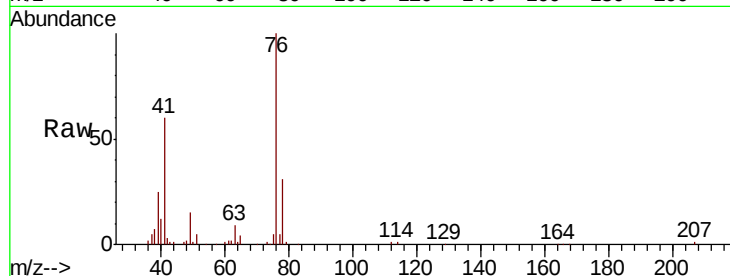
ClientSampleId :

Tot Ion: 76 Resp: 116558

Ion Ratio Lower Upper

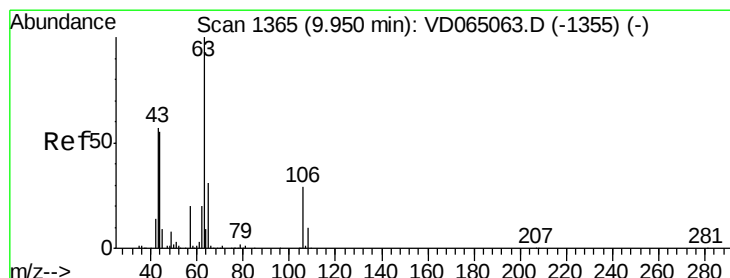
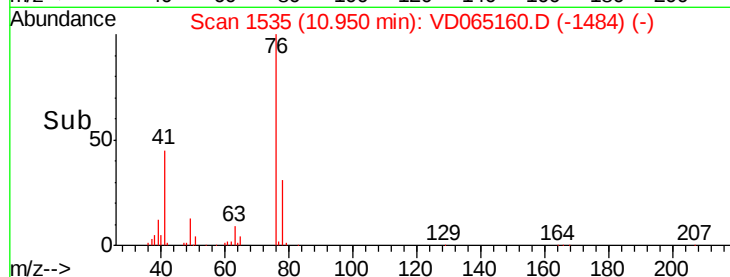
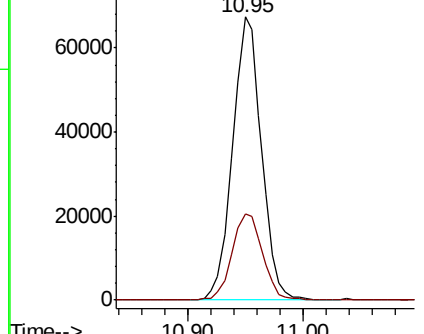
76 100

78 32.0 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 94.180 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065160.D

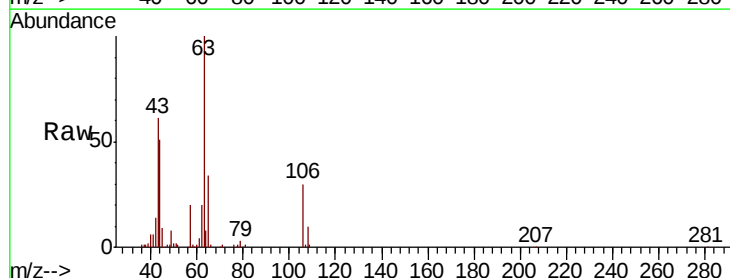
Acq: 12 Feb 2020 11:58

Tgt Ion: 63 Resp: 132899

Ion Ratio Lower Upper

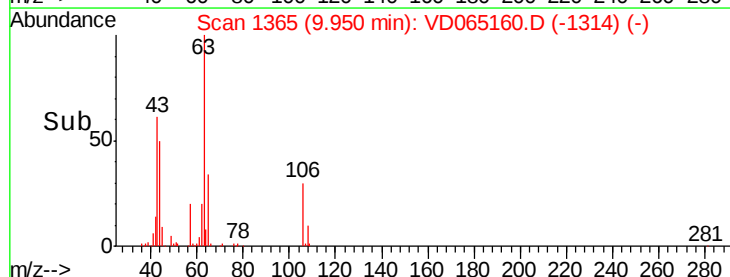
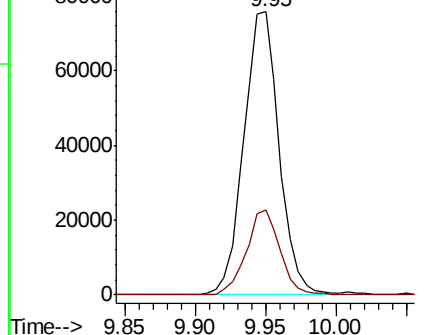
63 100

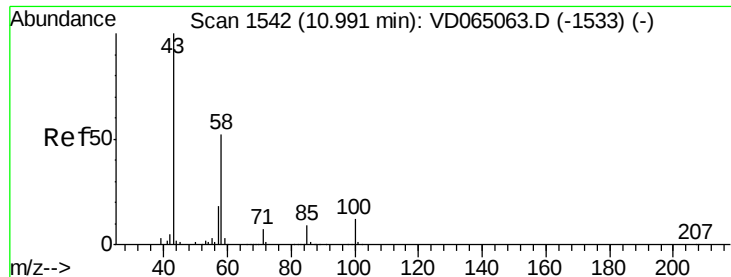
106 28.8 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

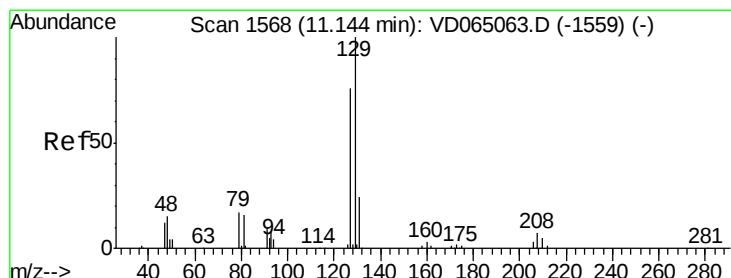
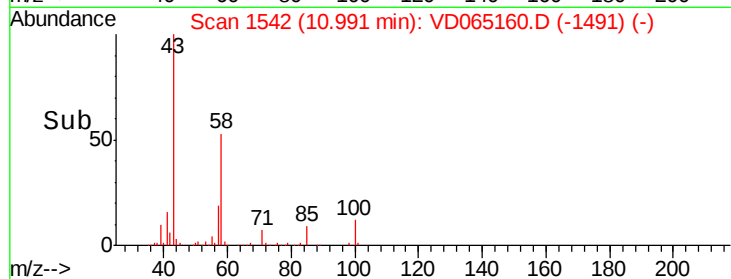
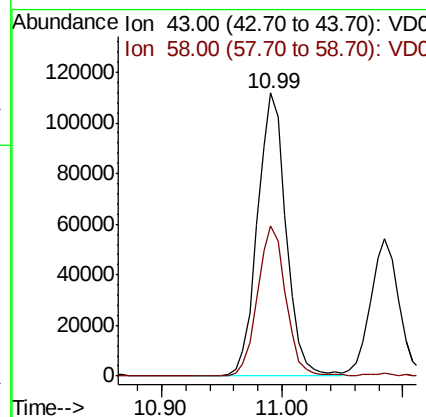
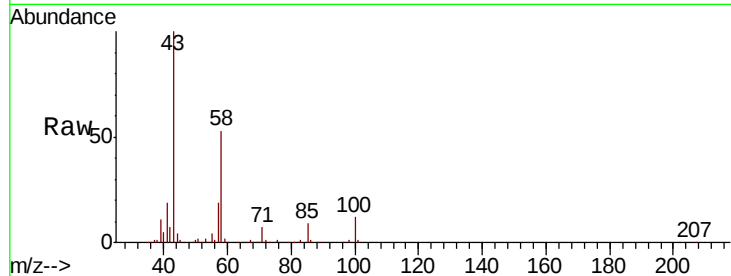




#59
2-Hexanone
Concen: 106.087 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

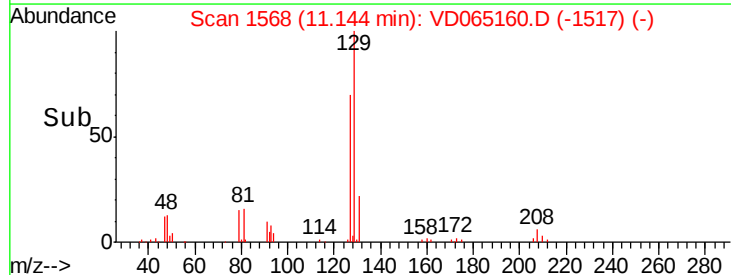
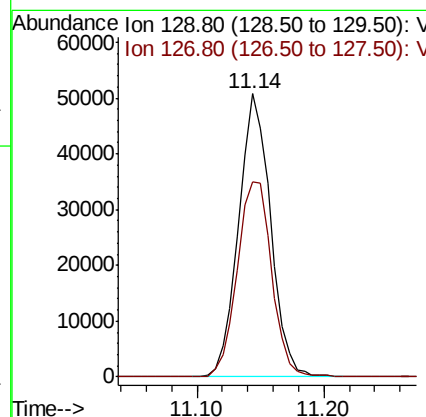
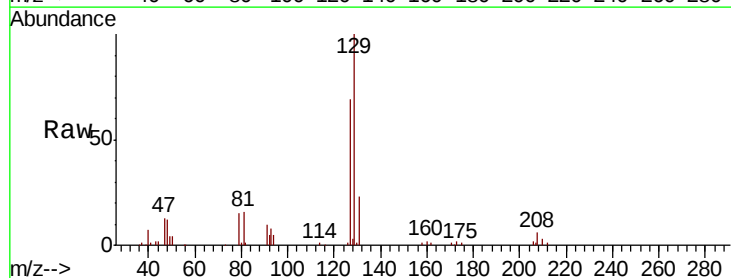
Instrument :
MSVOA_D
ClientSampleId :

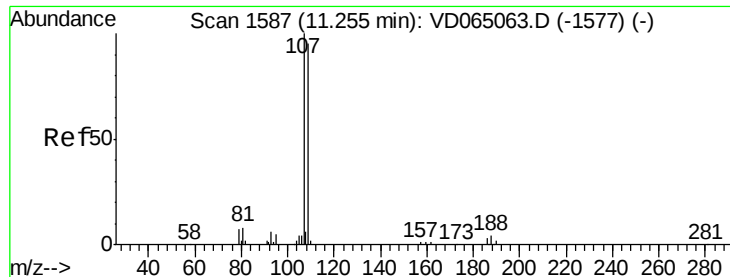
Tot Ion: 43 Resp: 185717
Ion Ratio Lower Upper
43 100
58 52.3 26.2 78.6



#60
Dibromochloromethane
Concen: 22.340 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion: 129 Resp: 88721
Ion Ratio Lower Upper
129 100
127 74.0 38.3 114.9

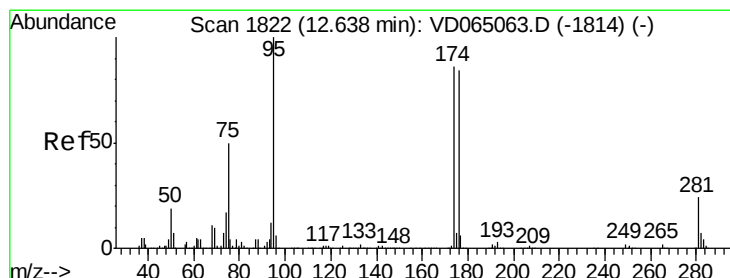
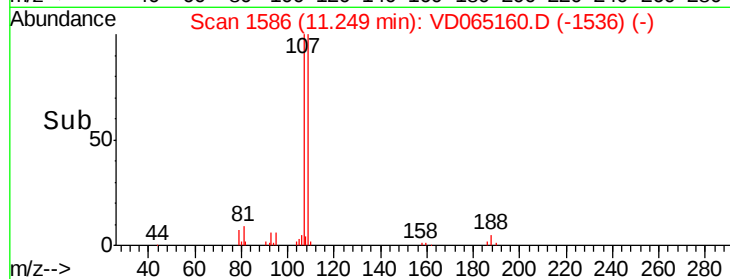
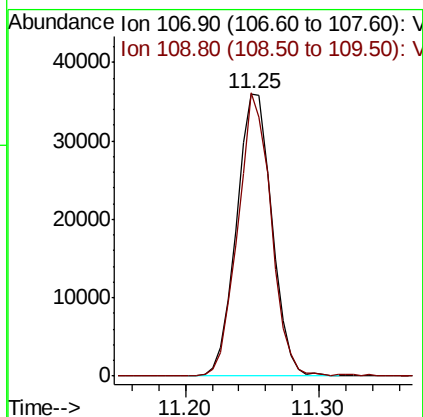
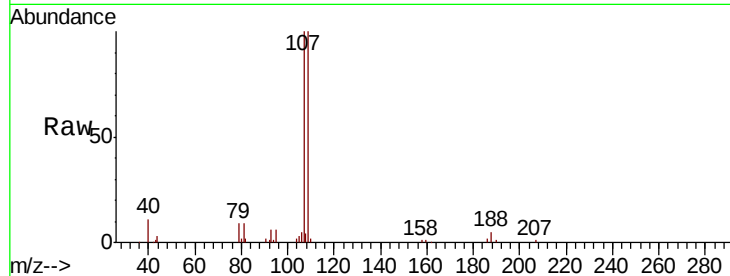




#61
 1,2-Dibromoethane
 Concen: 22.039 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065160.D
 Acq: 12 Feb 2020 11:58

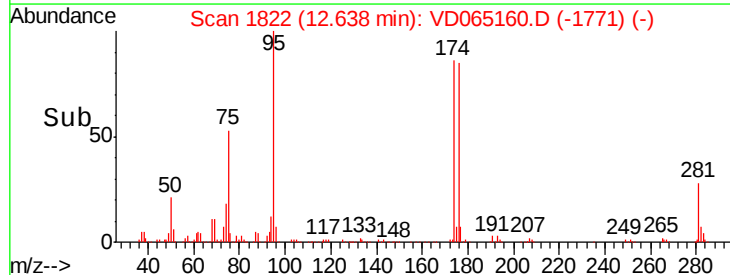
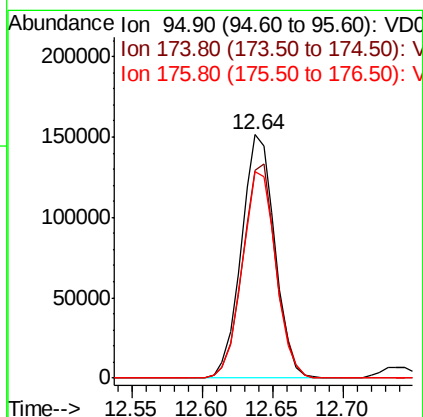
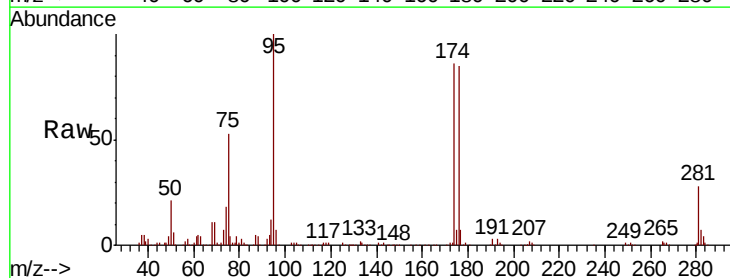
Instrument :
 MSVOA_D
 ClientSampleId :

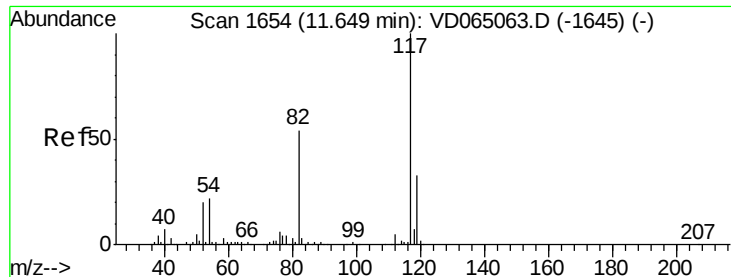
Tot Ion: 107 Resp: 66027
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 51.601 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065160.D
 Acq: 12 Feb 2020 11:58

Tgt Ion: 95 Resp: 250896
 Ion Ratio Lower Upper
 95 100
 174 87.6 0.0 180.0
 176 85.3 0.0 173.2

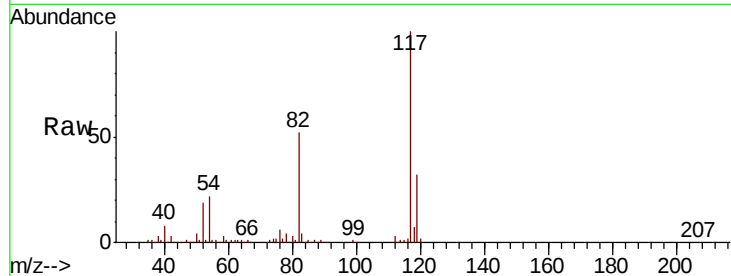




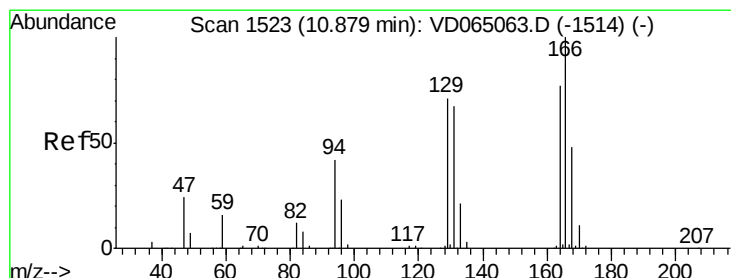
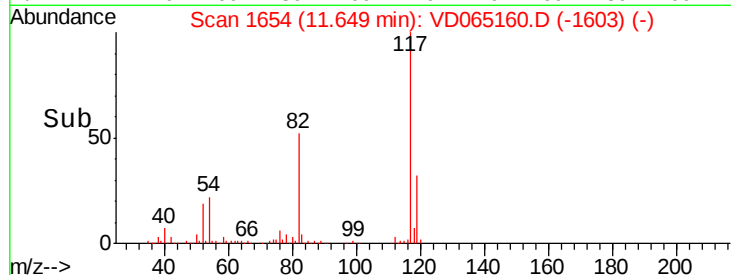
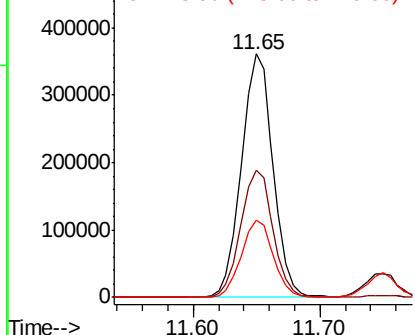
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 625161
Ion Ratio Lower Upper
117 100
82 52.3 43.1 64.7
119 31.8 26.0 39.0

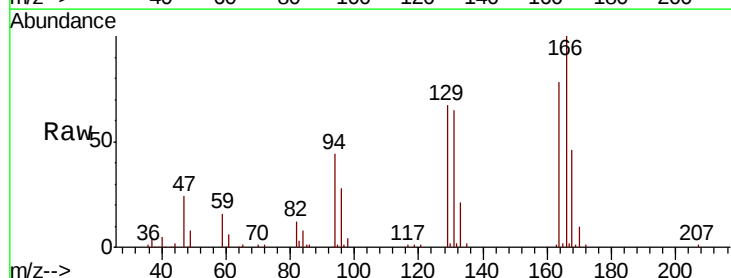


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

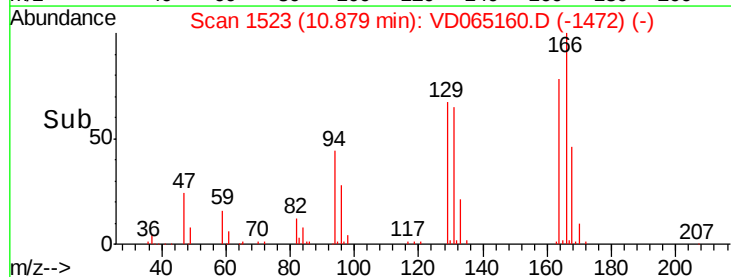
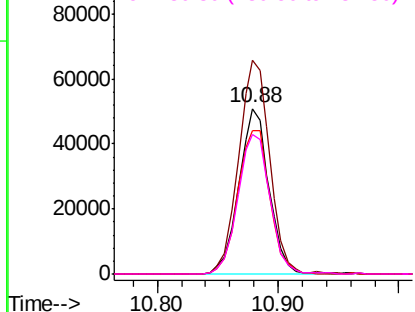


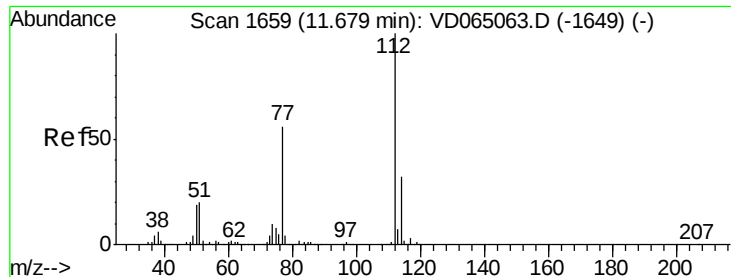
#64
Tetrachloroethene
Concen: 19.640 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion:164 Resp: 88224
Ion Ratio Lower Upper
164 100
166 129.0 103.5 155.3
129 86.8 73.3 109.9
131 84.1 69.8 104.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

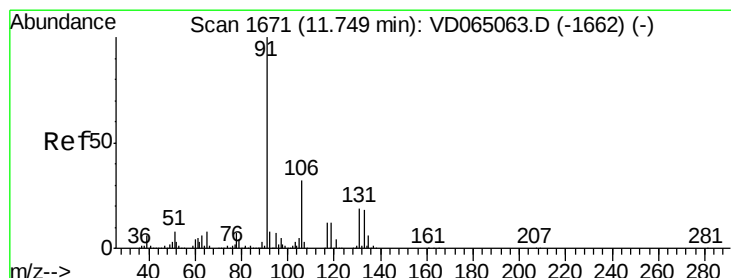
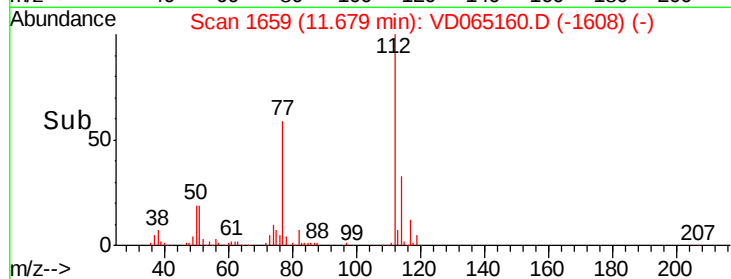
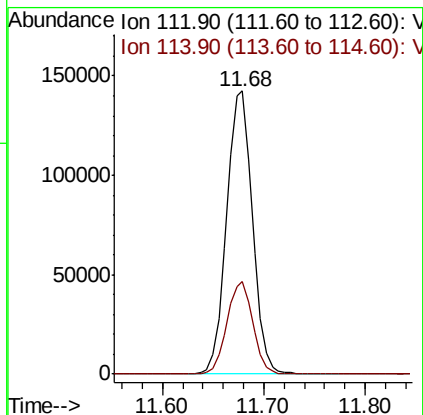
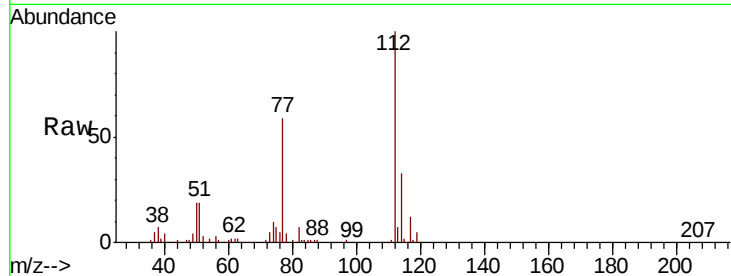




#65
Chlorobenzene
Concen: 20.776 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

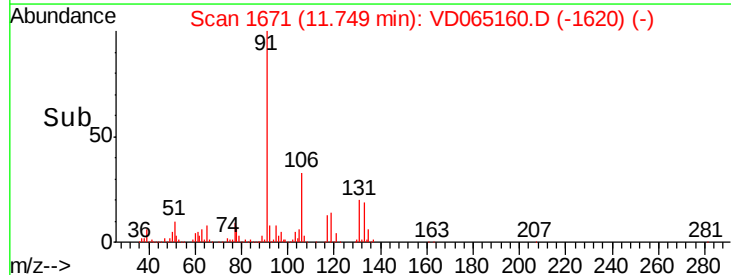
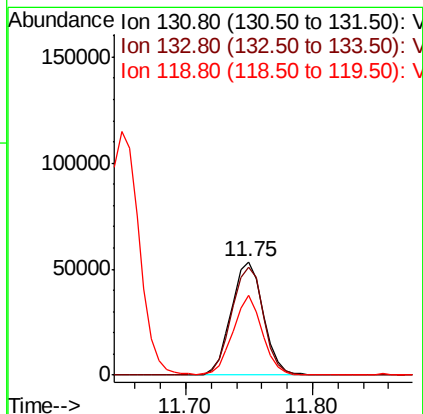
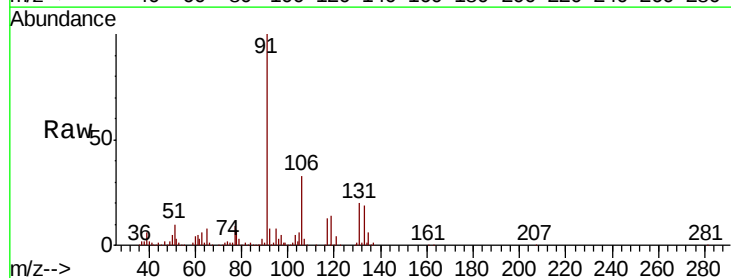
Instrument :
MSVOA_D
ClientSampleId :

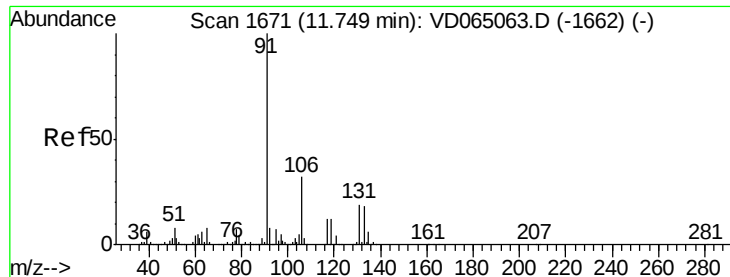
Tot Ion:112 Resp: 251213
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.989 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion:131 Resp: 93667
Ion Ratio Lower Upper
131 100
133 94.9 47.7 143.1
119 63.7 31.3 93.8





#67

Ethyl Benzene

Concen: 20.156 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

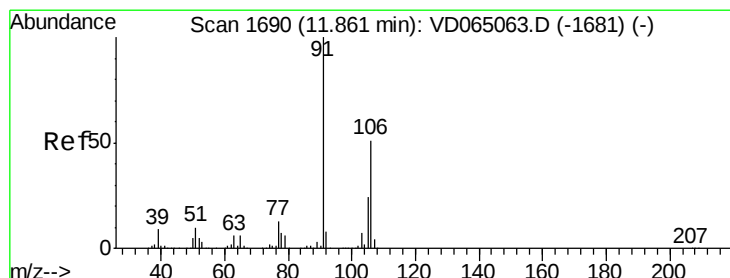
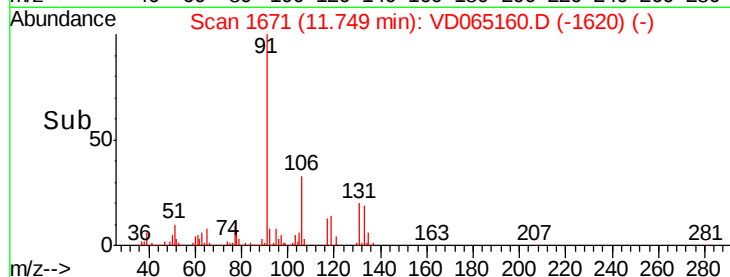
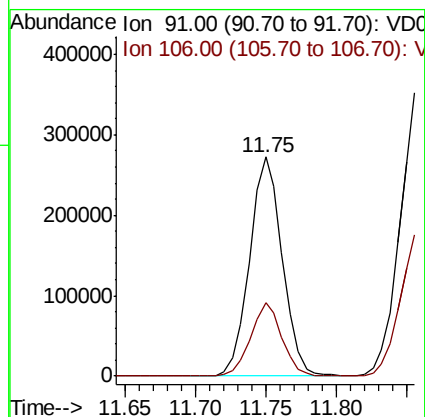
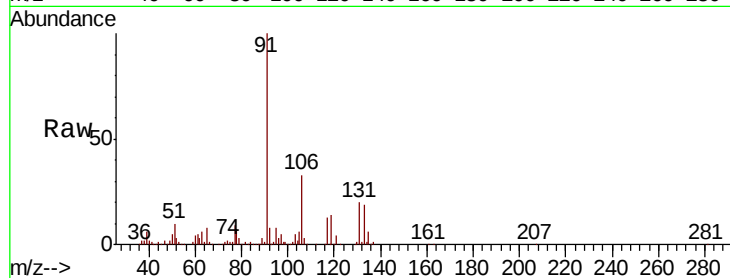
ClientSampleId :

Tot Ion: 91 Resp: 442781

Ion Ratio Lower Upper

91 100

106 33.2 25.4 38.2



#68

m/p-Xylenes

Concen: 40.830 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065160.D

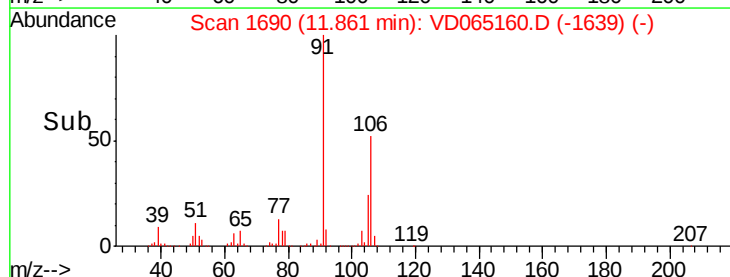
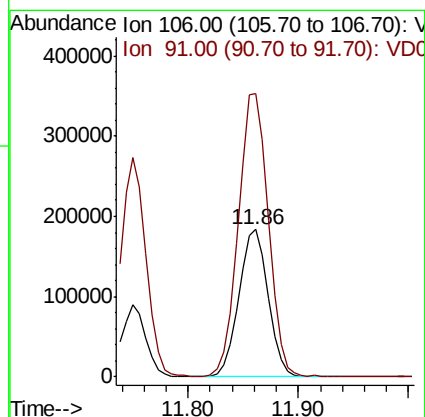
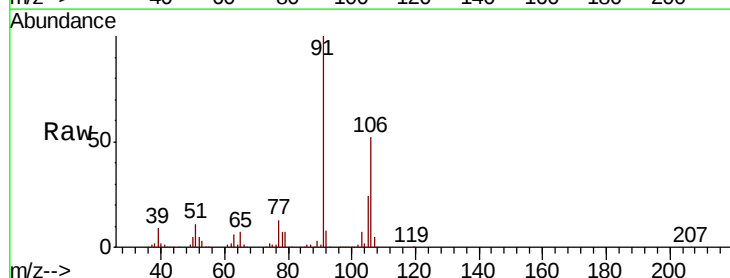
Acq: 12 Feb 2020 11:58

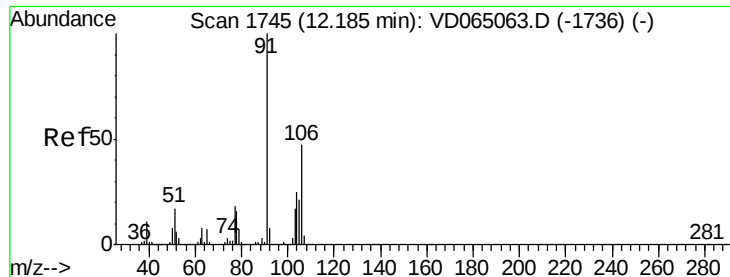
Tgt Ion: 106 Resp: 342345

Ion Ratio Lower Upper

106 100

91 197.8 158.9 238.3

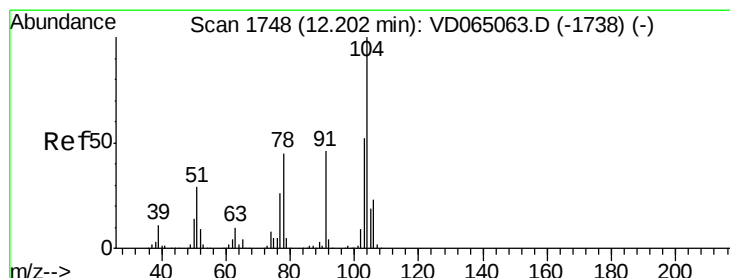
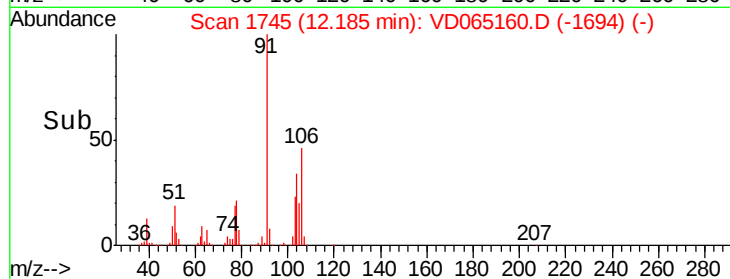
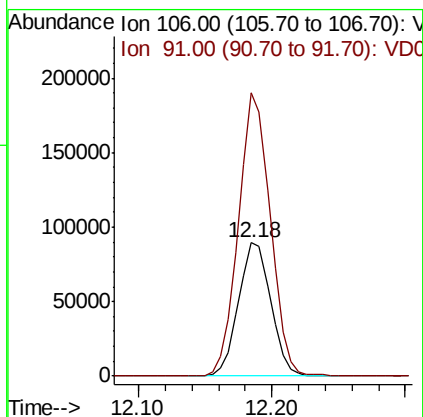
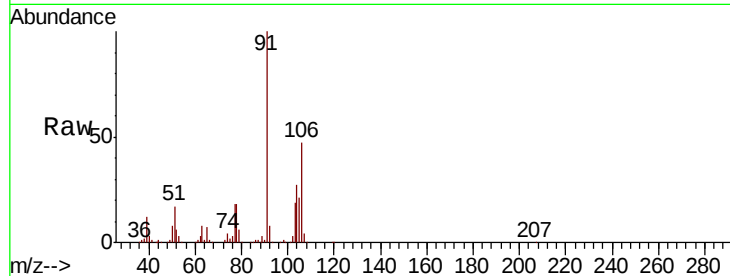




#69
o-Xylene
Concen: 19.896 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

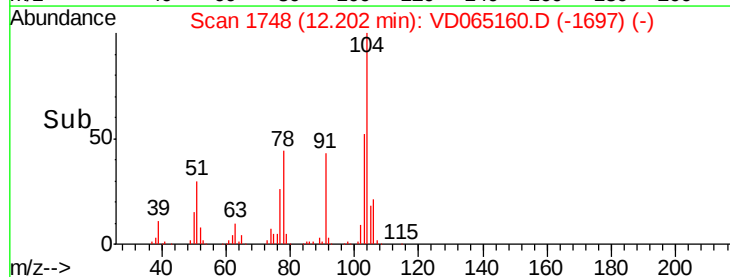
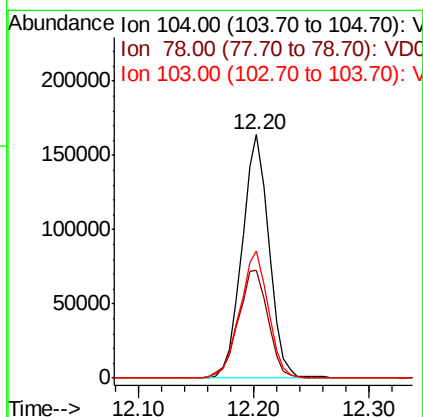
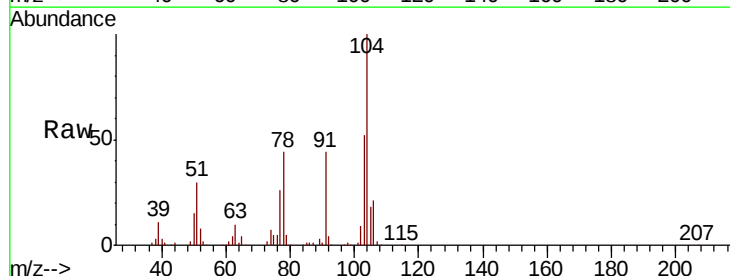
Instrument :
MSVOA_D
ClientSampleId :

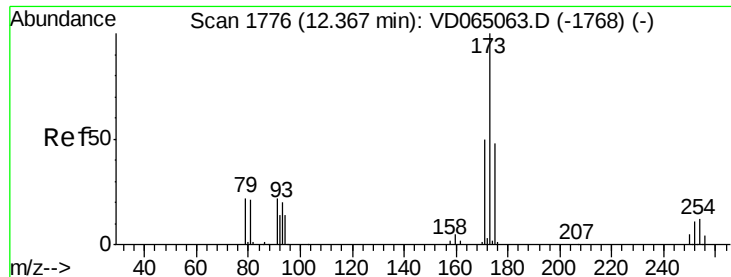
Tot Ion:106 Resp: 150226
Ion Ratio Lower Upper
106 100
91 209.5 104.7 313.9



#70
Styrene
Concen: 20.298 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion:104 Resp: 266372
Ion Ratio Lower Upper
104 100
78 48.8 38.5 57.7
103 55.2 43.8 65.8





#71

Bromoform

Concen: 21.603 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

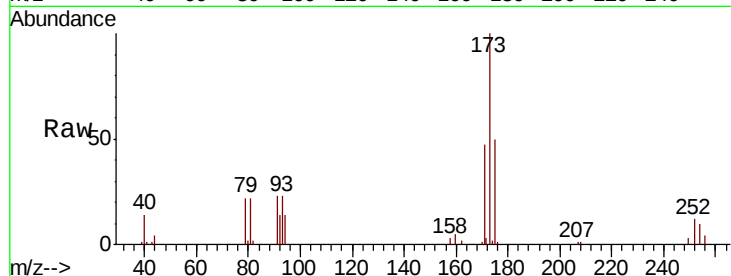
Tot Ion:173 Resp: 51891

Ion Ratio Lower Upper

173 100

175 48.9 24.3 72.8

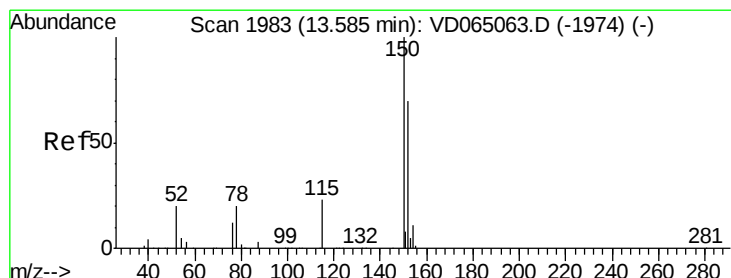
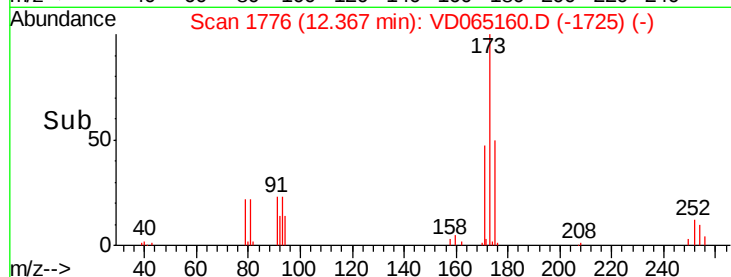
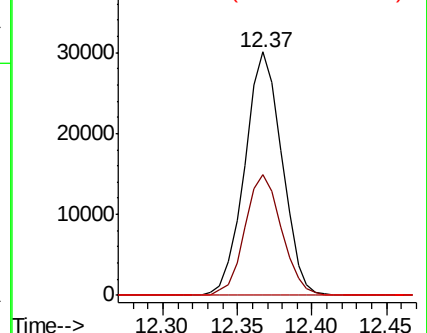
254 0.0 0.1 0.1#



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: VD065160.D

Acq: 12 Feb 2020 11:58

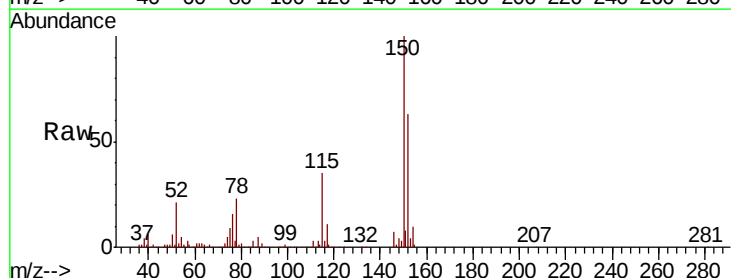
Tgt Ion:152 Resp: 302202

Ion Ratio Lower Upper

152 100

115 55.1 27.5 82.4

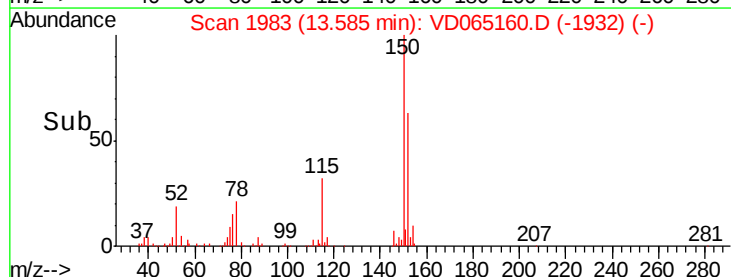
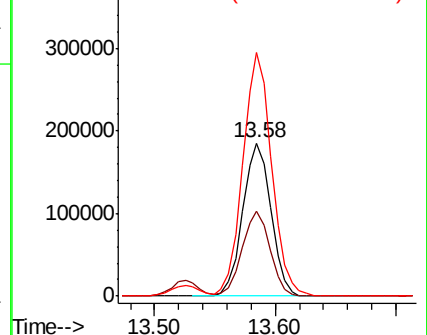
150 162.4 0.0 343.2

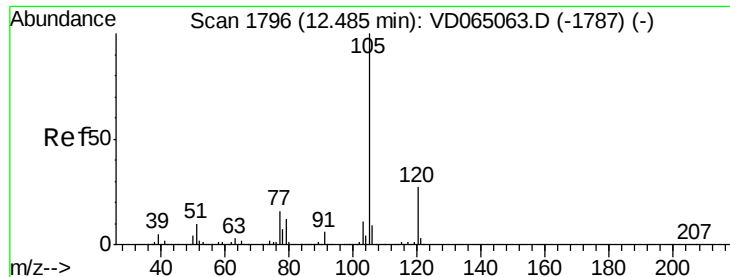


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.776 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

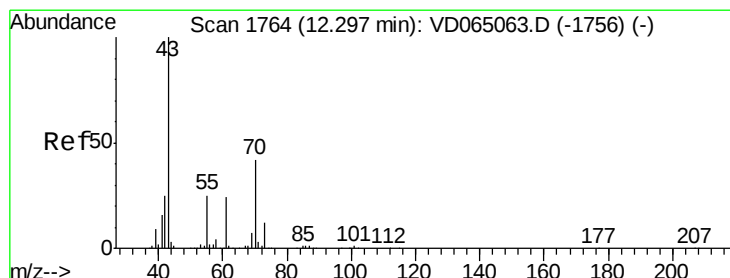
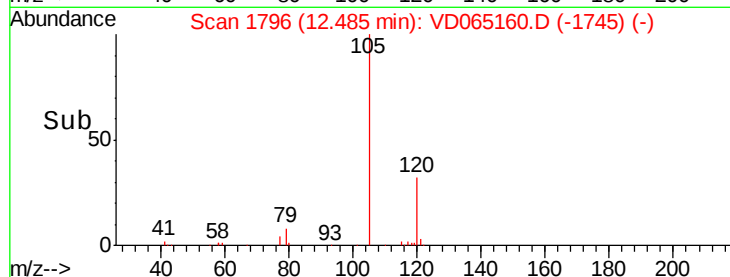
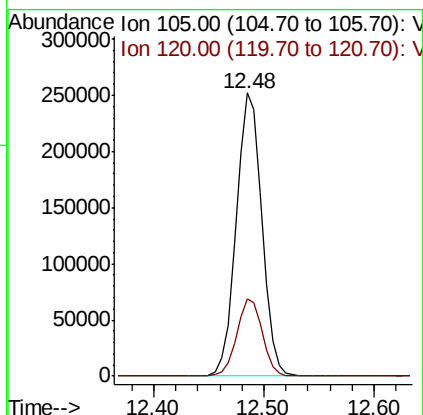
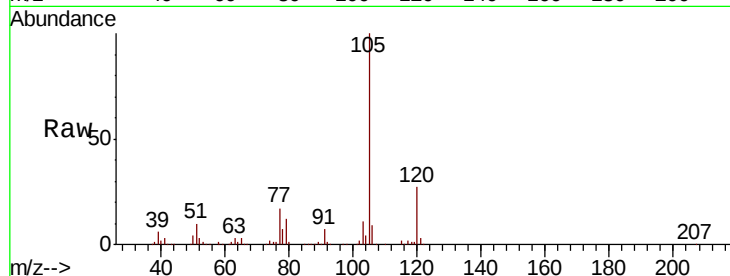
ClientSampled :

Tot Ion:105 Resp: 410199

Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.9



#74

N-ethyl acetate

Concen: 19.771 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Tgt Ion: 43 Resp: 89135

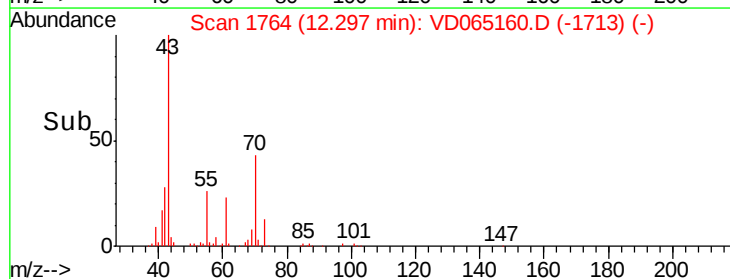
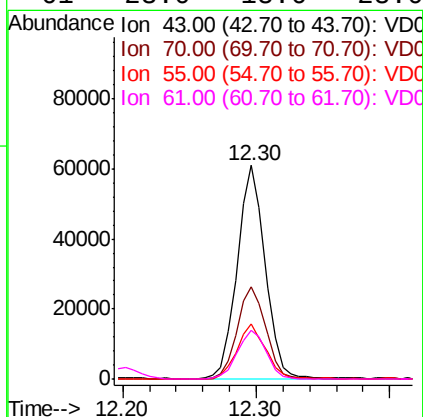
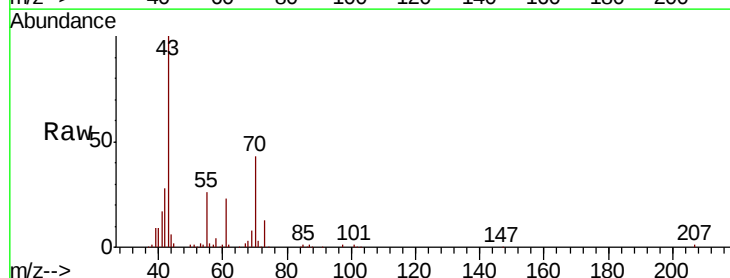
Ion Ratio Lower Upper

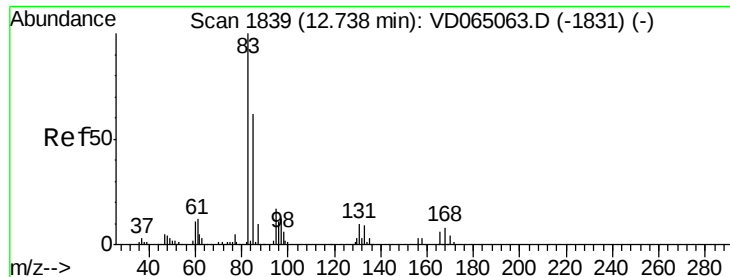
43 100

70 43.9 33.5 50.3

55 26.4 19.4 29.2

61 23.0 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.206 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

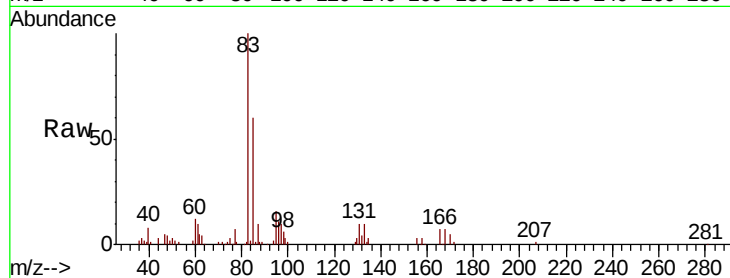
Tot Ion: 83 Resp: 72489

Ion Ratio Lower Upper

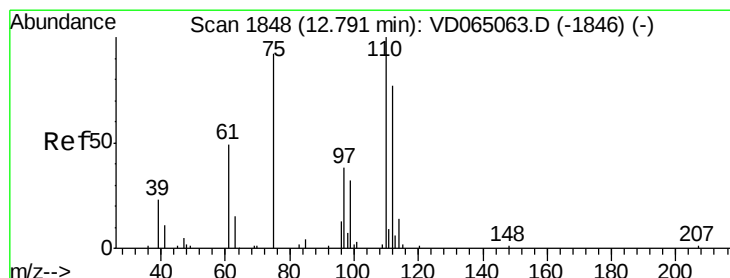
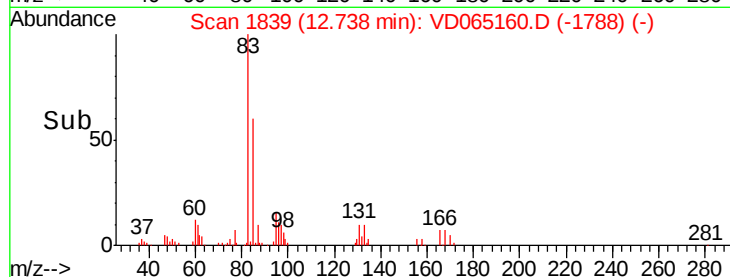
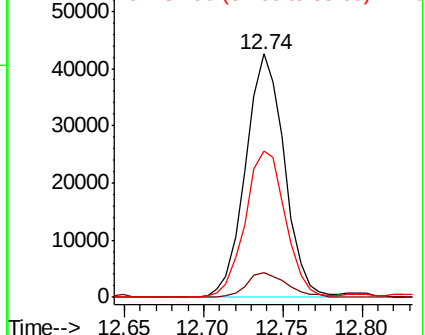
83 100

131 10.5 5.5 16.4

85 62.4 31.8 95.4



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



#76

1,2,3-Trichloropropane

Concen: 41.342 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065160.D

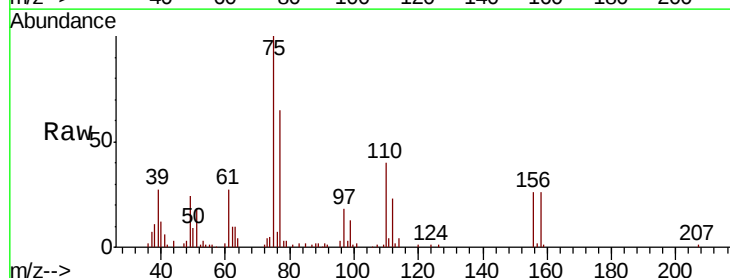
Acq: 12 Feb 2020 11:58

Tgt Ion: 75 Resp: 94589

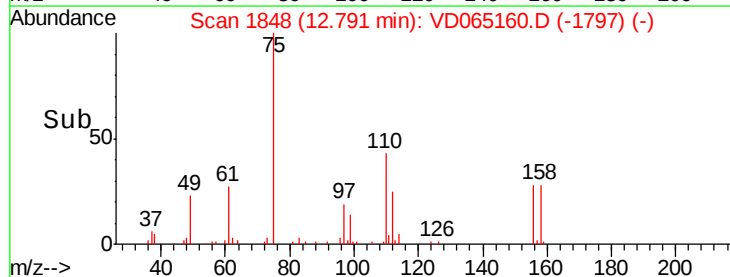
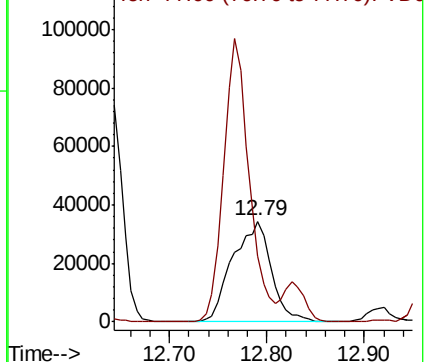
Ion Ratio Lower Upper

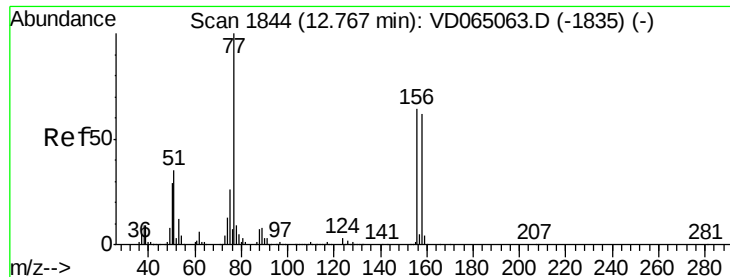
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 20.168 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

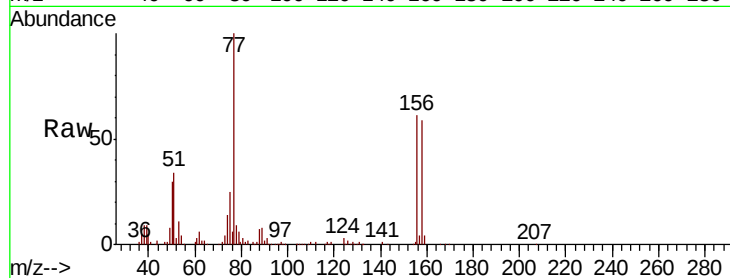
Tot Ion:156 Resp: 100789

Ion Ratio Lower Upper

156 100

77 175.4 85.6 256.8

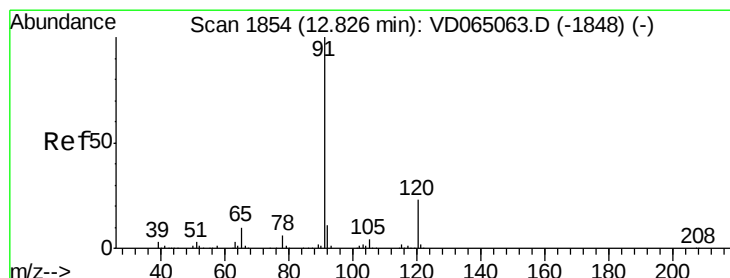
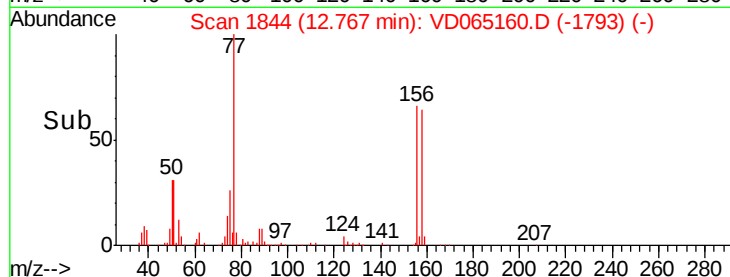
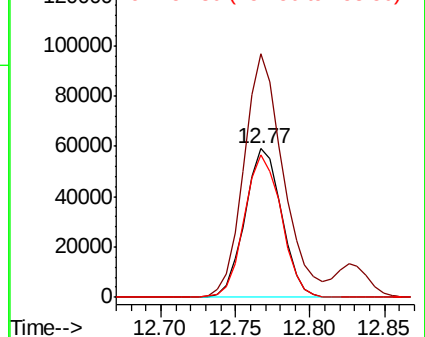
158 96.2 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.516 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065160.D

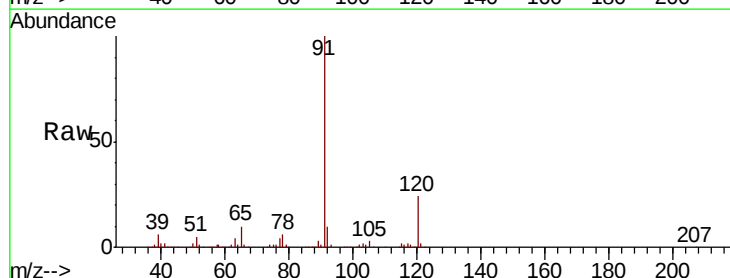
Acq: 12 Feb 2020 11:58

Tgt Ion: 91 Resp: 498359

Ion Ratio Lower Upper

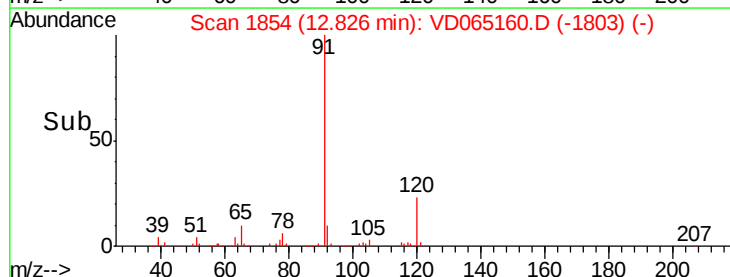
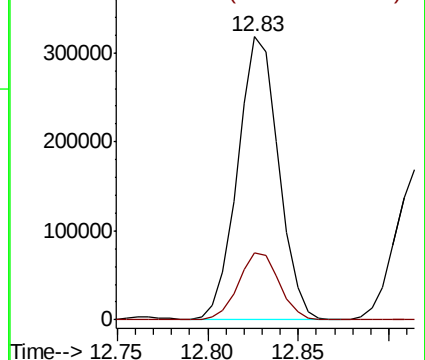
91 100

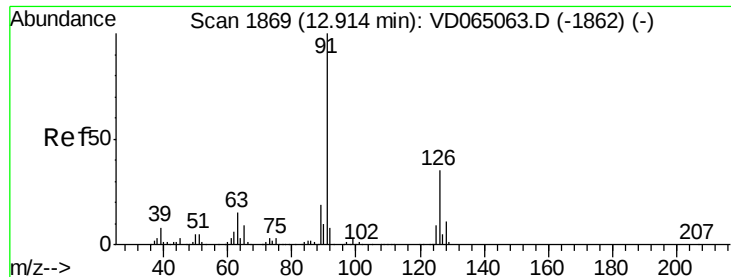
120 23.6 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.506 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

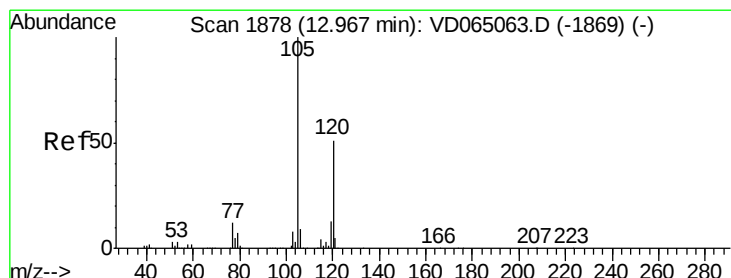
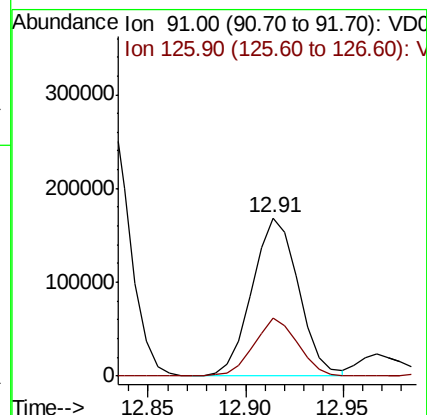
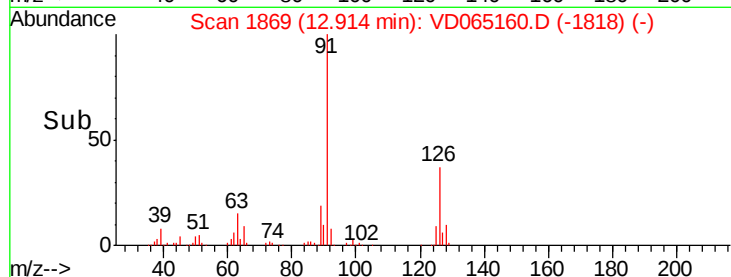
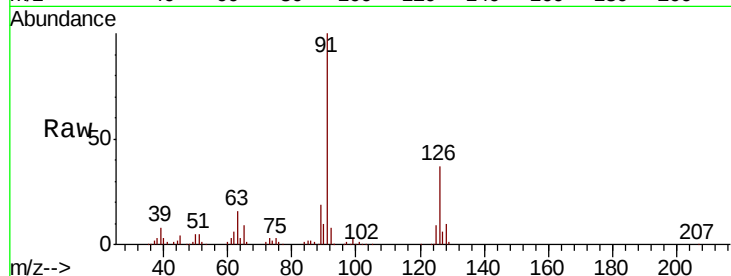
ClientSampleId :

Tot Ion: 91 Resp: 277647

Ion Ratio Lower Upper

91 100

126 35.0 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 20.221 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065160.D

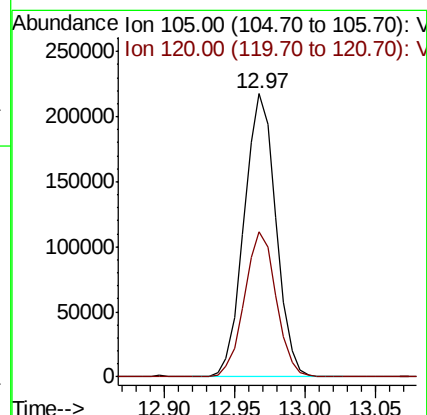
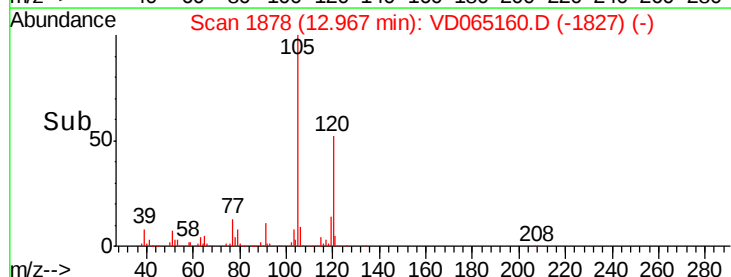
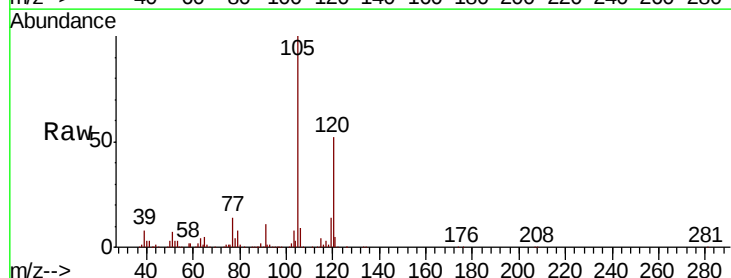
Acq: 12 Feb 2020 11:58

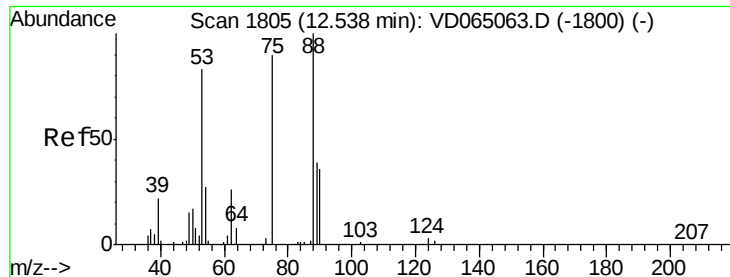
Tgt Ion: 105 Resp: 343131

Ion Ratio Lower Upper

105 100

120 51.2 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 21.932 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

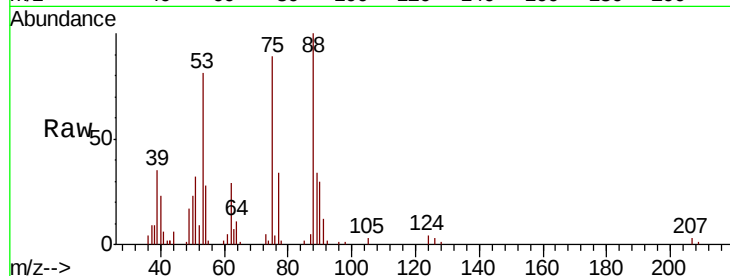
Tot Ion: 75 Resp: 25091

Ion Ratio Lower Upper

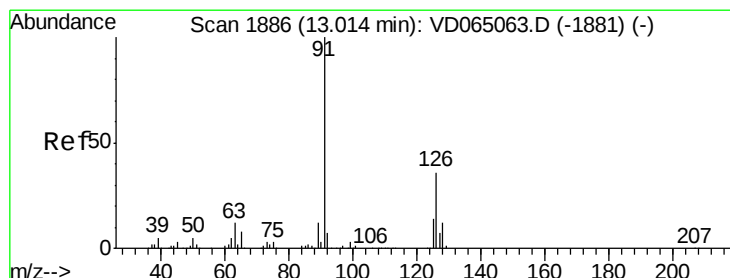
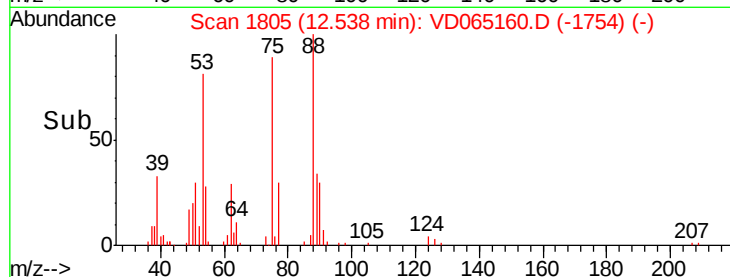
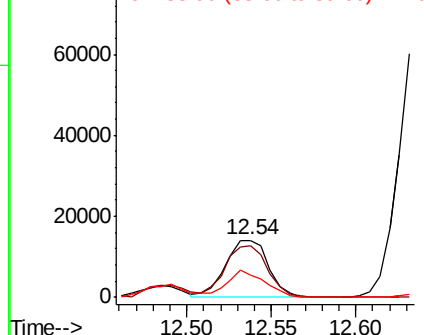
75 100

53 89.1 78.5 117.7

89 41.2 37.0 55.4



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



#82

4-Chlorotoluene

Concen: 20.692 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065160.D

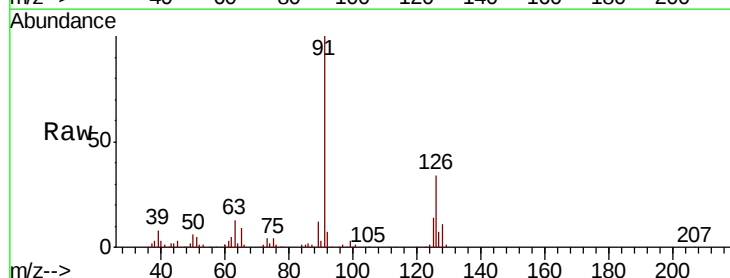
Acq: 12 Feb 2020 11:58

Tgt Ion: 91 Resp: 294244

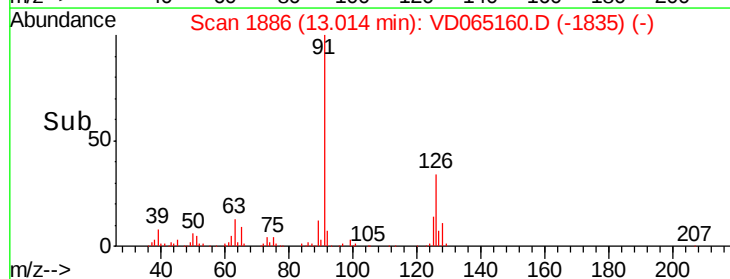
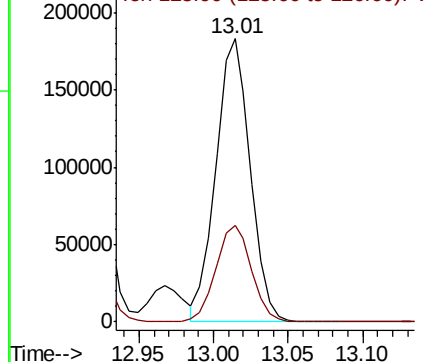
Ion Ratio Lower Upper

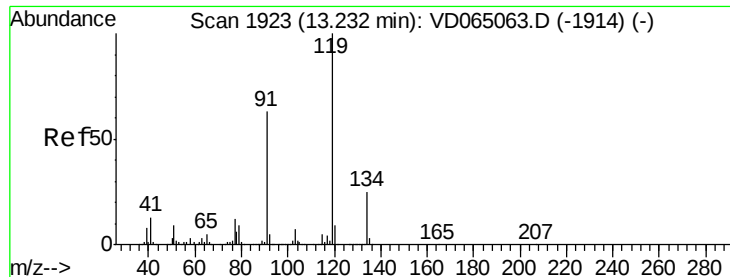
91 100

126 35.2 17.5 52.5



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

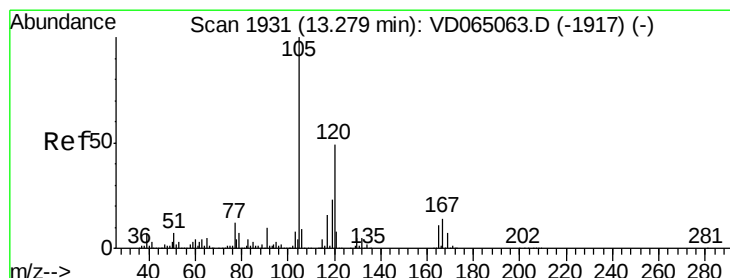
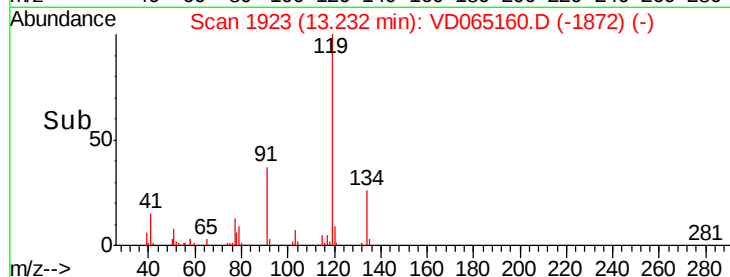
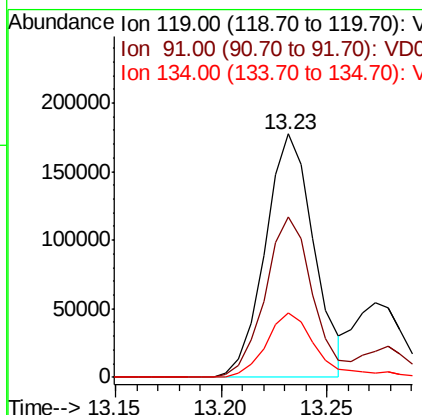
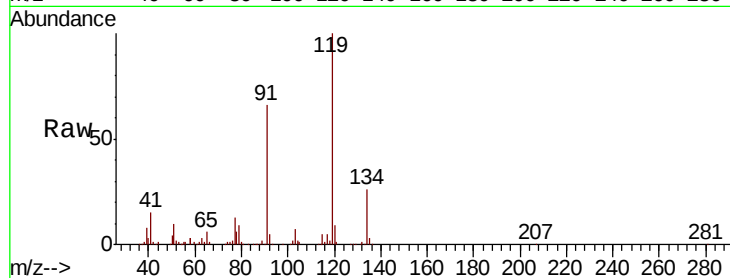




#83
tert-Butylbenzene
Concen: 19.460 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

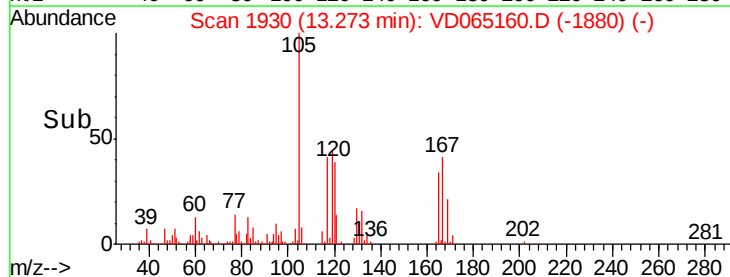
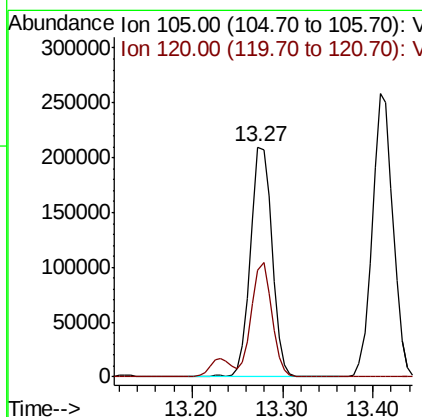
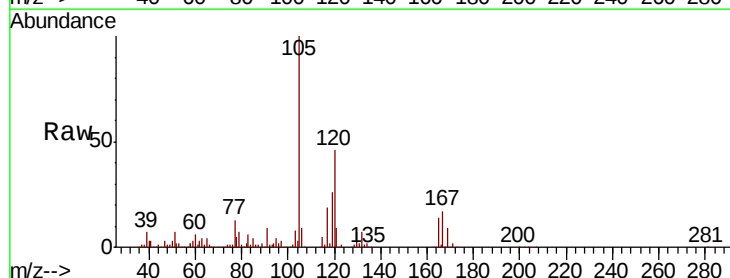
Instrument :
MSVOA_D
ClientSampleId :

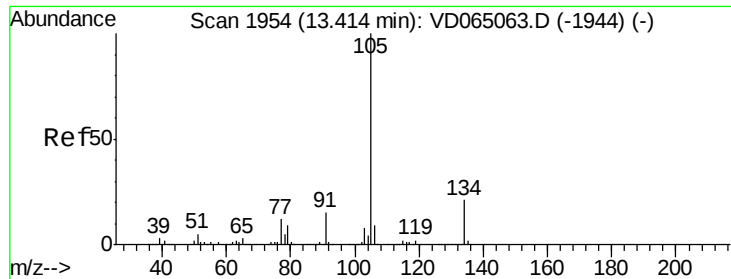
Tot Ion:119 Resp: 284889
Ion Ratio Lower Upper
119 100
91 64.7 32.3 96.9
134 27.9 13.8 41.3



#84
1,2,4-Trimethylbenzene
Concen: 20.545 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion:105 Resp: 346120
Ion Ratio Lower Upper
105 100
120 46.8 23.5 70.5





#85

sec-Butylbenzene

Concen: 20.557 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.01 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

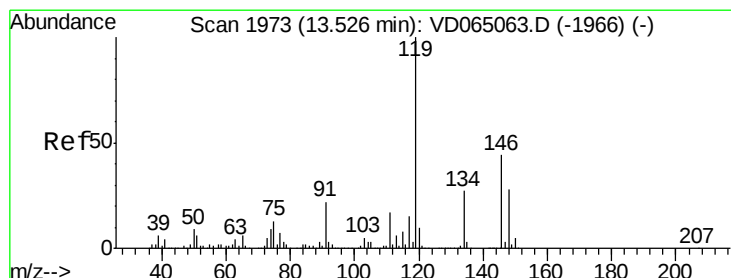
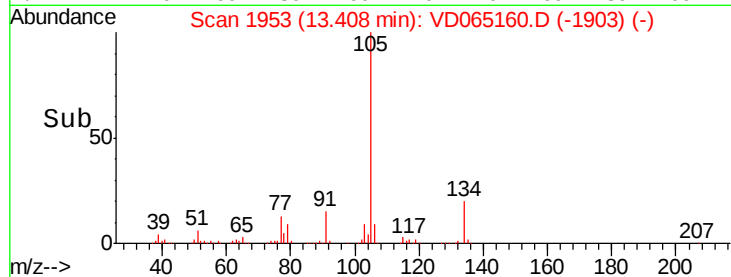
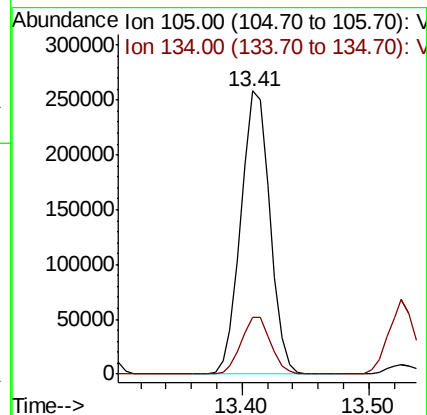
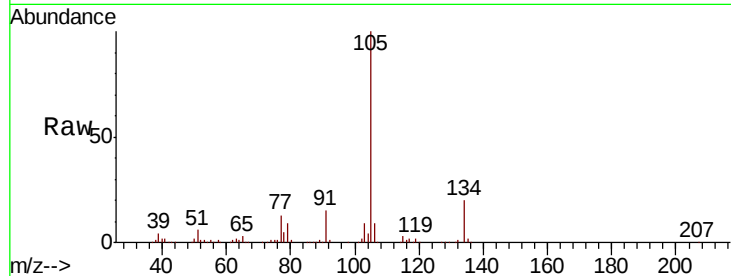
ClientSampled :

Tot Ion:105 Resp: 411038

Ion Ratio Lower Upper

105 100

134 20.4 10.4 31.1



#86

p-Isopropyltoluene

Concen: 20.432 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

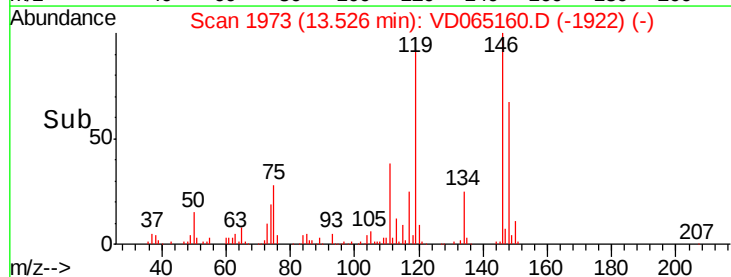
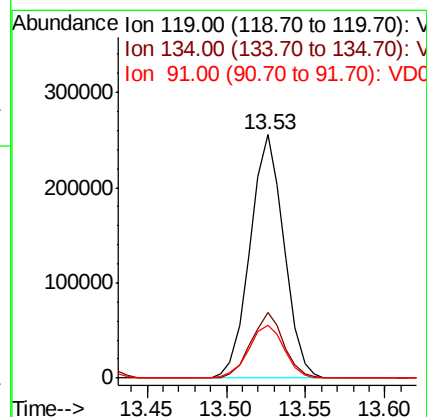
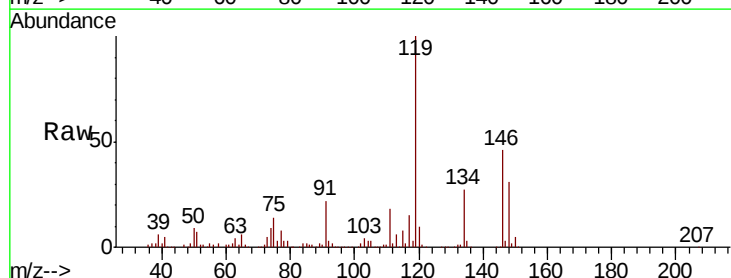
Tgt Ion:119 Resp: 379592

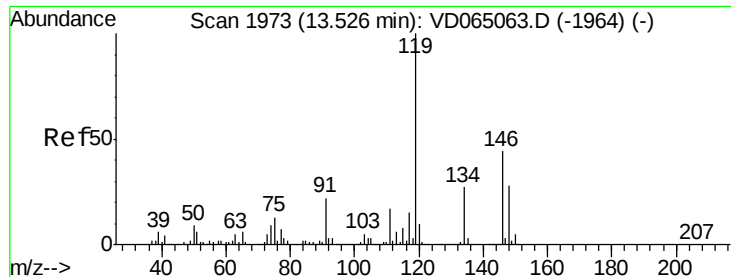
Ion Ratio Lower Upper

119 100

134 26.0 13.5 40.5

91 23.0 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 20.604 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

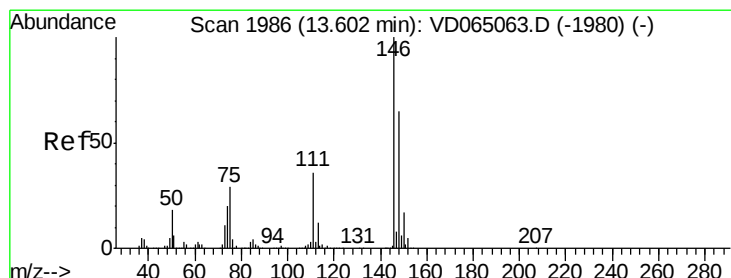
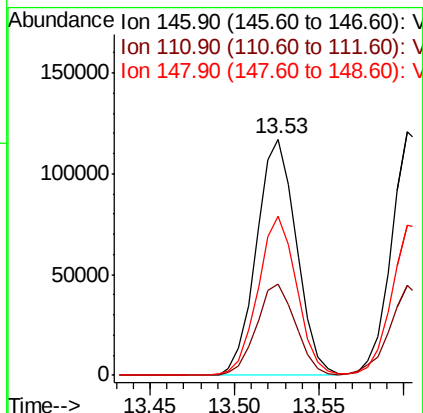
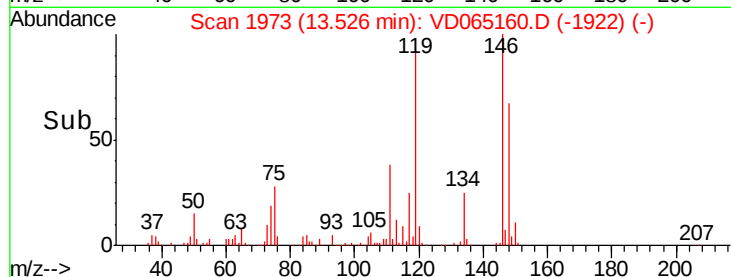
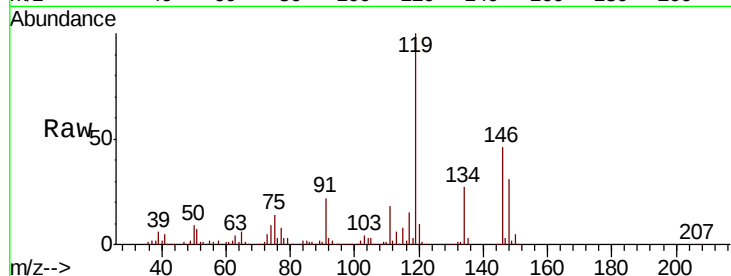
Tot Ion:146 Resp: 192785

Ion Ratio Lower Upper

146 100

111 38.1 19.4 58.4

148 65.4 32.3 96.8



#88

1,4-Dichlorobenzene

Concen: 21.170 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

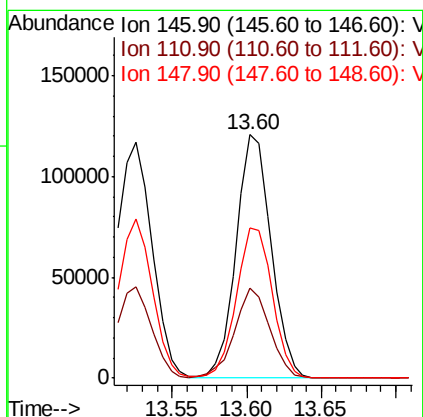
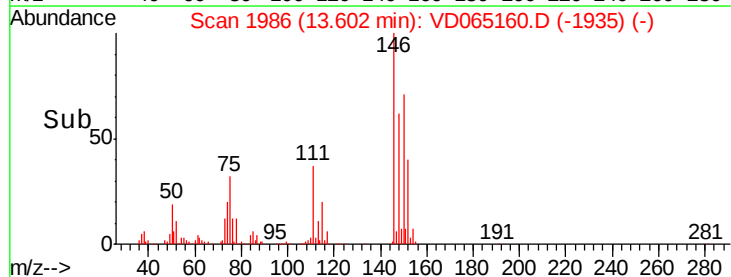
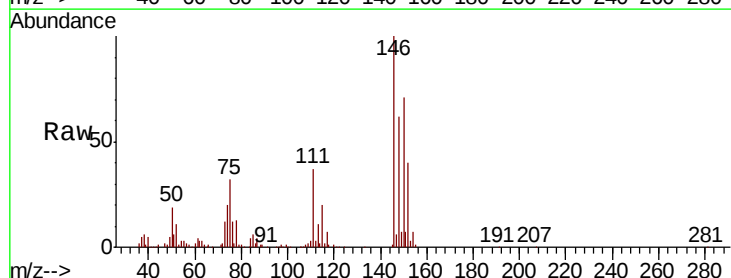
Tgt Ion:146 Resp: 197146

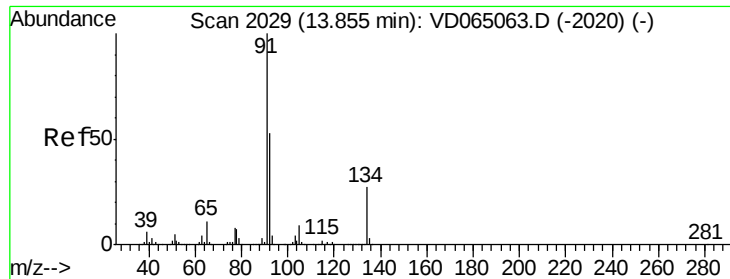
Ion Ratio Lower Upper

146 100

111 37.4 18.5 55.5

148 63.4 32.7 98.1

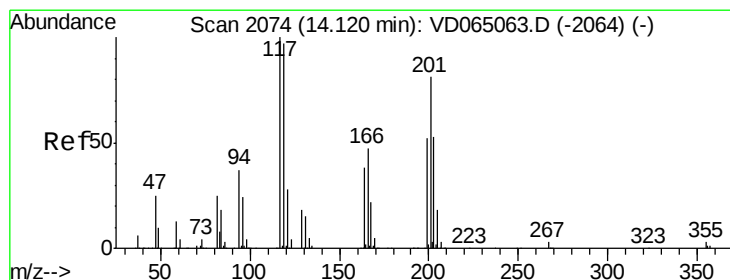
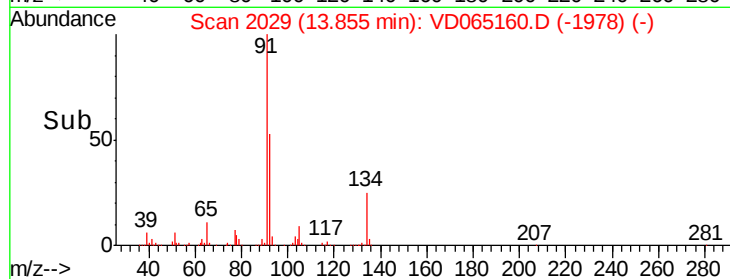
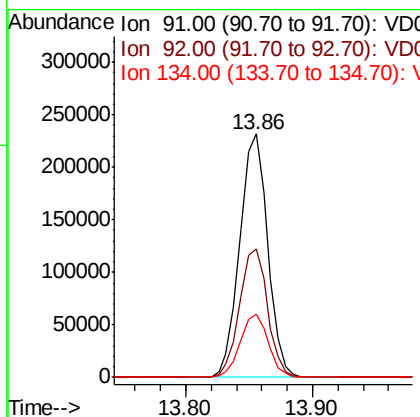
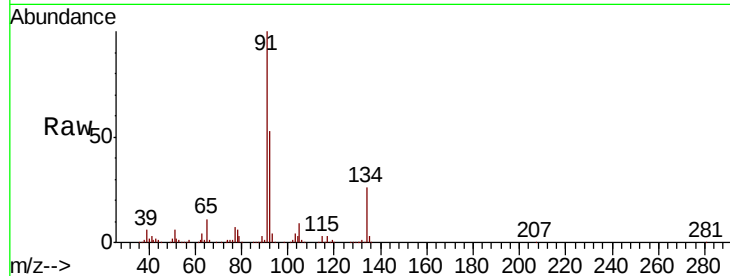




#89
n-Butylbenzene
Concen: 20.646 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

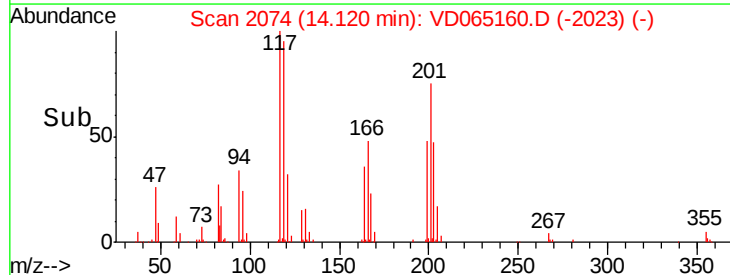
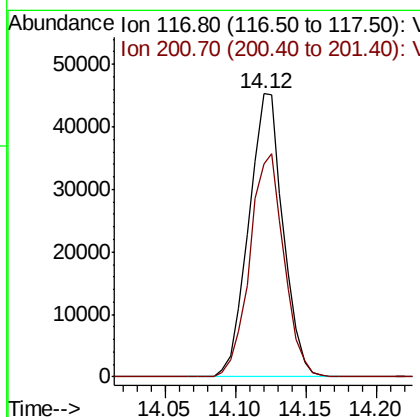
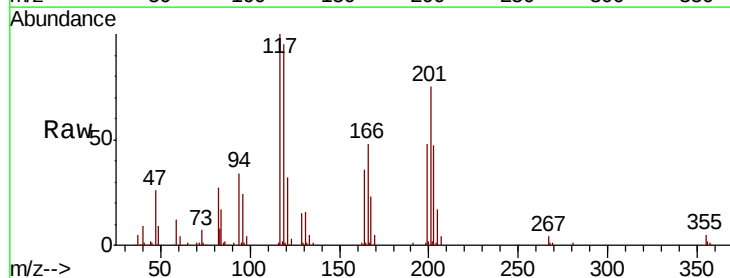
Instrument :
MSVOA_D
ClientSampleId :

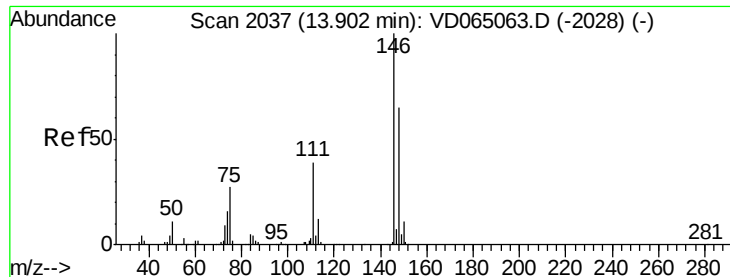
Tot Ion: 91 Resp: 354023
Ion Ratio Lower Upper
91 100
92 53.1 26.7 80.1
134 25.9 13.4 40.2



#90
Hexachloroethane
Concen: 22.088 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion: 117 Resp: 77703
Ion Ratio Lower Upper
117 100
201 78.4 42.5 127.6

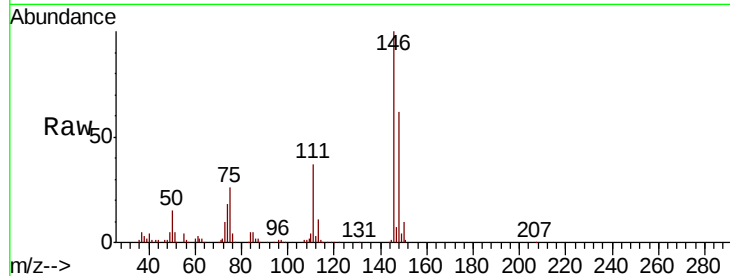




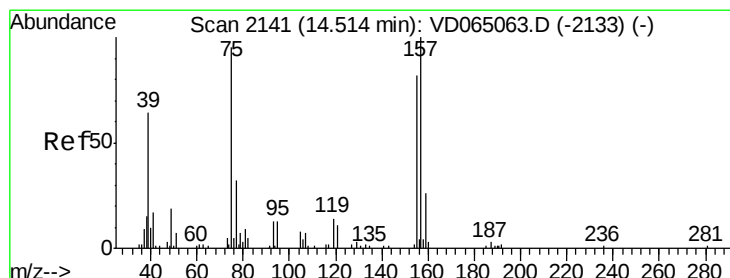
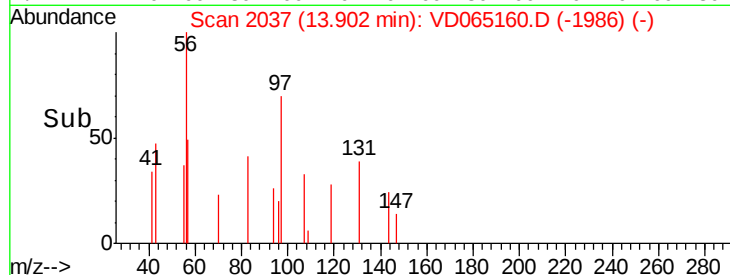
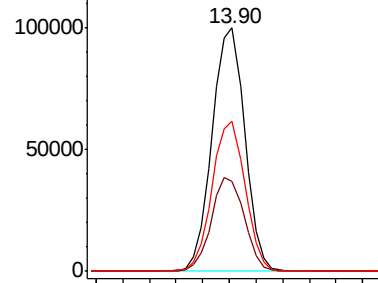
#91
 1,2-Dichlorobenzene
 Concen: 21.088 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065160.D
 Acq: 12 Feb 2020 11:58

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.1
148	62.3	31.9	95.5

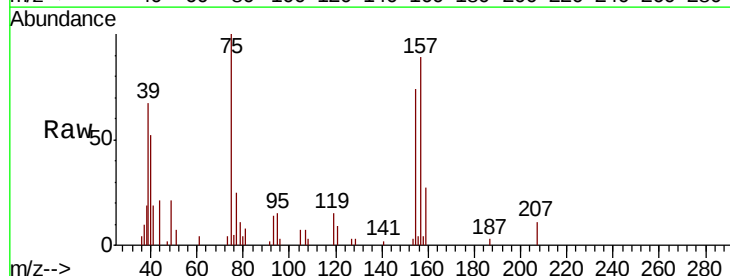


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

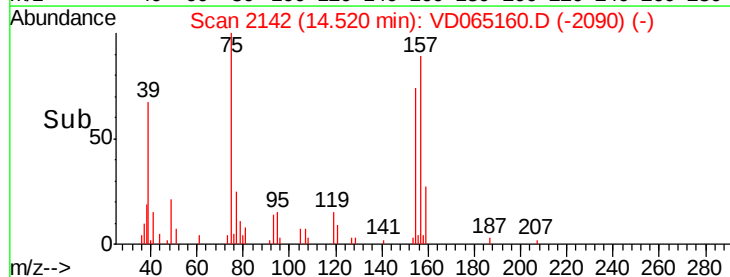
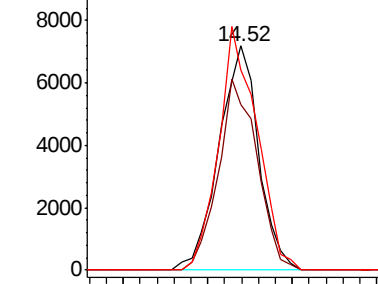


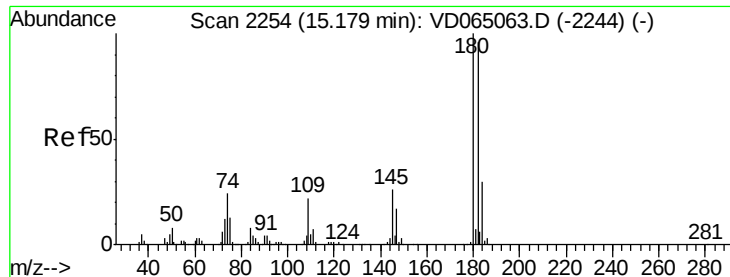
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.154 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065160.D
 Acq: 12 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.0	43.4	130.1
157	104.6	55.8	167.3



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

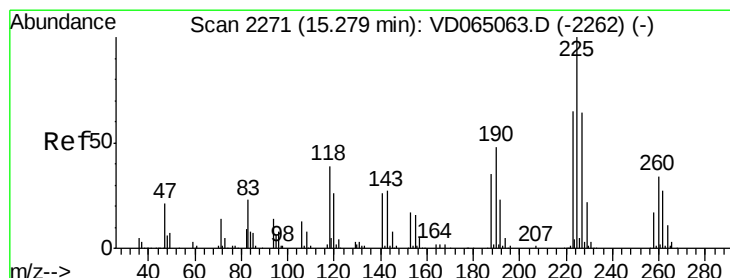
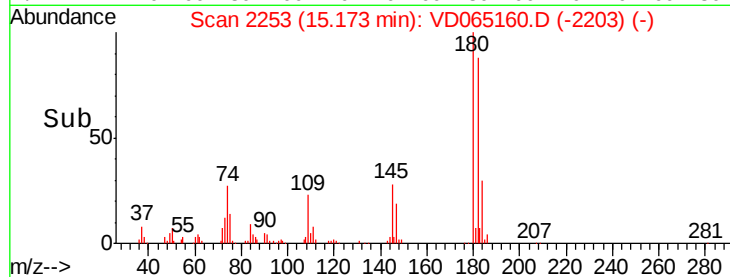
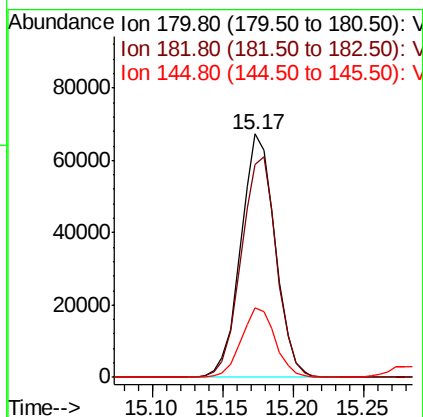
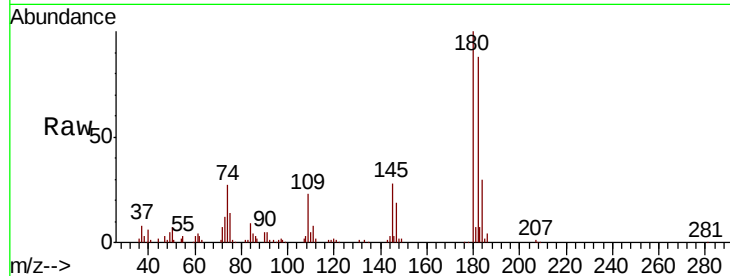




#93
 1,2,4-Trichlorobenzene
 Concen: 20.016 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065160.D
 Acq: 12 Feb 2020 11:58

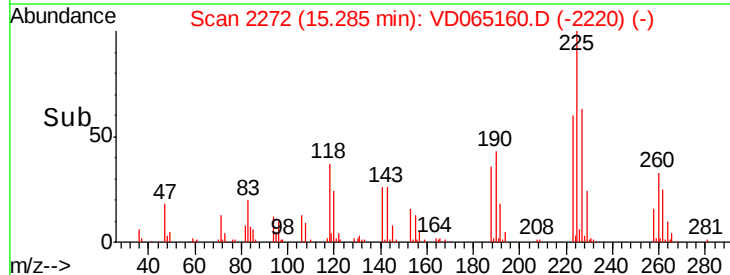
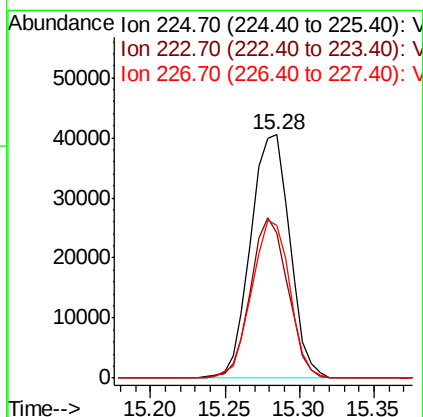
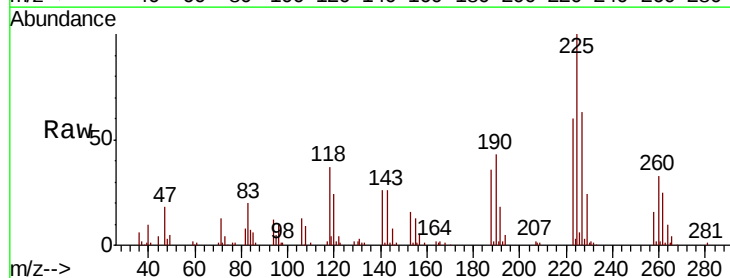
Instrument :
 MSVOA_D
 ClientSampleId :

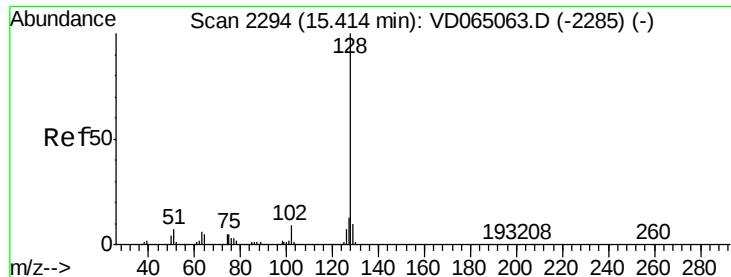
Tot Ion:180 Resp: 114653
 Ion Ratio Lower Upper
 180 100
 182 93.1 47.4 142.3
 145 28.1 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 20.870 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065160.D
 Acq: 12 Feb 2020 11:58

Tgt Ion:225 Resp: 73506
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.4 94.0
 227 63.1 31.8 95.3





#95

Naphthalene

Concen: 18.854 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampled :

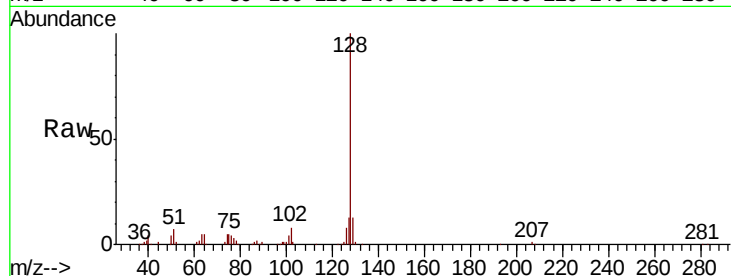
Tot Ion:128 Resp: 179503

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

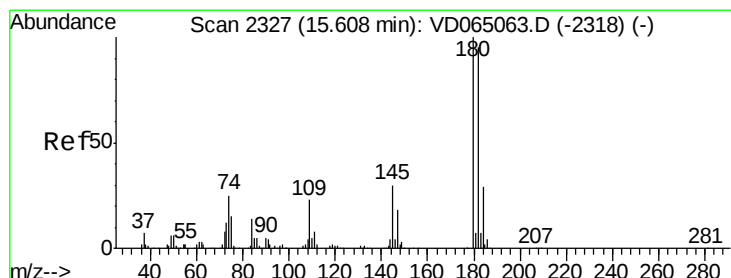
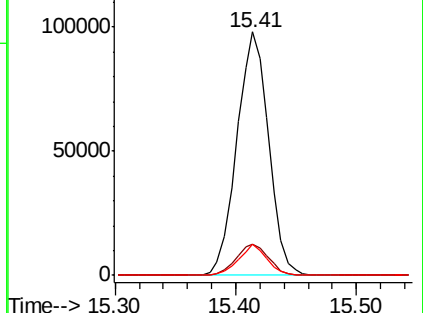
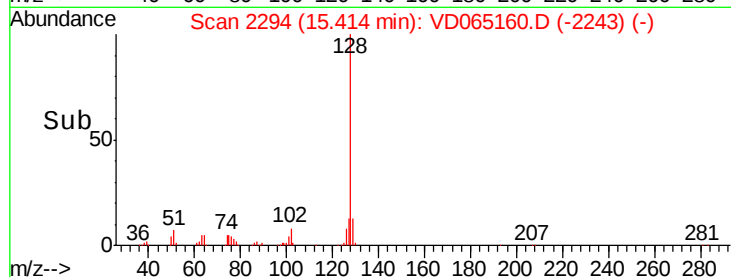
129 11.4 8.7 13.1



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: 20.690 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

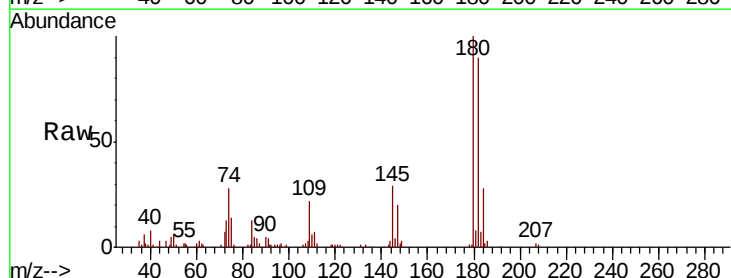
Tgt Ion:180 Resp: 101375

Ion Ratio Lower Upper

180 100

182 92.1 47.1 141.4

145 28.9 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

