

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065221.D
 Acq On : 18 Feb 2020 16:18
 Operator : VA/SY
 Sample : VD0218SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

Quant Time: Feb 19 03:31:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	465431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	703287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	642156	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	313257	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	223417	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	
35) Dibromofluoromethane	7.92	113	228030	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
50) Toluene-d8	10.34	98	901810	55.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.02%	
62) 4-Bromofluorobenzene	12.64	95	285110	54.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	71895	18.417	ug/l	95
3) Chloromethane	2.21	50	102418	20.612	ug/l	94
4) Vinyl Chloride	2.35	62	102244	20.236	ug/l	100
5) Bromomethane	2.76	94	66187	21.666	ug/l	98
6) Chloroethane	2.92	64	64067	20.773	ug/l	99
7) Trichlorofluoromethane	3.27	101	150190	20.763	ug/l	99
8) Diethyl Ether	3.71	74	46029	21.080	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	95092	20.817	ug/l	99
10) Methyl Iodide	4.29	142	91913	19.379	ug/l	98
11) Tert butyl alcohol	5.25	59	23813	95.175	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	90202	20.903	ug/l	99
13) Acrolein	3.93	56	44471	131.202	ug/l	97
14) Allyl chloride	4.71	41	147358	21.028	ug/l	99
15) Acrylonitrile	5.43	53	100887	104.360	ug/l	99
16) Acetone	4.17	43	93768	91.613	ug/l	96
17) Carbon Disulfide	4.40	76	299848	20.726	ug/l	99
18) Methyl Acetate	4.72	43	49365	21.445	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	187032	20.784	ug/l	99
20) Methylene Chloride	4.96	84	112922	22.222	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	106093	21.627	ug/l	97
22) Diisopropyl ether	6.37	45	287470	21.280	ug/l	99
23) Vinyl Acetate	6.31	43	783134	105.155	ug/l	98
24) 1,1-Dichloroethane	6.27	63	174504	20.826	ug/l	99
25) 2-Butanone	7.23	43	122683	94.737	ug/l	99
26) 2,2-Dichloropropane	7.21	77	151065	20.779	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	108653	20.910	ug/l	99
28) Bromochloromethane	7.55	49	62521	20.112	ug/l	97
29) Tetrahydrofuran	7.57	42	78560	103.538	ug/l	99
30) Chloroform	7.71	83	179616	21.277	ug/l	99
31) Cyclohexane	7.98	56	170919	20.761	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	158733	21.016	ug/l	100
36) 1,1-Dichloropropene	8.11	75	142055	20.759	ug/l	99
37) Ethyl Acetate	7.30	43	56653	19.804	ug/l	99
38) Carbon Tetrachloride	8.10	117	147004	21.103	ug/l	98

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
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Instrument :
 MSVOA_D
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Quant Time: Feb 19 03:31:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	166058	20.641	ug/l	99
40) Benzene	8.36	78	405011	20.969	ug/l	100
41) Methacrylonitrile	7.53	41	34720	21.020	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	109511	20.624	ug/l	100
43) Isopropyl Acetate	8.46	43	105551	20.290	ug/l	99
44) Trichloroethene	9.11	130	112742	21.057	ug/l	99
45) 1,2-Dichloropropane	9.39	63	101995	21.236	ug/l	100
46) Dibromomethane	9.48	93	51163	20.704	ug/l	100
47) Bromodichloromethane	9.67	83	134541	20.659	ug/l	98
48) Methyl methacrylate	9.46	41	50367	20.946	ug/l	96
49) 1,4-Dioxane	9.47	88	11199	386.399	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	265139	100.348	ug/l	99
52) Toluene	10.41	92	256159	21.426	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	126187	20.904	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	153971	21.123	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	71562	20.575	ug/l	94
56) Ethyl methacrylate	10.67	69	81354	20.265	ug/l	97
57) 1,3-Dichloropropane	10.95	76	121665	20.552	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	125902	99.474	ug/l	99
59) 2-Hexanone	10.99	43	185108	97.868	ug/l	98
60) Dibromochloromethane	11.14	129	92117	20.692	ug/l	99
61) 1,2-Dibromoethane	11.25	107	69091	20.980	ug/l	99
64) Tetrachloroethene	10.88	164	94986	20.856	ug/l	99
65) Chlorobenzene	11.67	112	266346	20.669	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	98099	20.400	ug/l	98
67) Ethyl Benzene	11.75	91	474033	21.003	ug/l	99
68) m/p-Xylenes	11.86	106	365051	42.277	ug/l	100
69) o-Xylene	12.18	106	160103	20.928	ug/l	99
70) Styrene	12.20	104	289154	21.289	ug/l	100
71) Bromoform	12.37	173	52982	19.855	ug/l #	100
73) Isopropylbenzene	12.48	105	434739	20.962	ug/l	100
74) N-amyl acetate	12.30	43	93156	20.215	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	75673	20.217	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	98516	36.963	ug/l #	100
77) Bromobenzene	12.77	156	107899	20.952	ug/l	98
78) n-propylbenzene	12.83	91	532522	21.367	ug/l	100
79) 2-Chlorotoluene	12.91	91	293326	21.009	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	366052	21.430	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	24495	19.844	ug/l	99
82) 4-Chlorotoluene	13.01	91	312651	21.093	ug/l	100
83) tert-Butylbenzene	13.23	119	303367	21.190	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	366727	21.450	ug/l	100
85) sec-Butylbenzene	13.41	105	430365	20.862	ug/l	99
86) p-Isopropyltoluene	13.53	119	398274	21.112	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	207881	20.880	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	205182	20.882	ug/l	99
89) n-Butylbenzene	13.85	91	364240	20.953	ug/l	99
90) Hexachloroethane	14.12	117	78924	20.604	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	174631	20.428	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11774	20.412	ug/l	98

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Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration

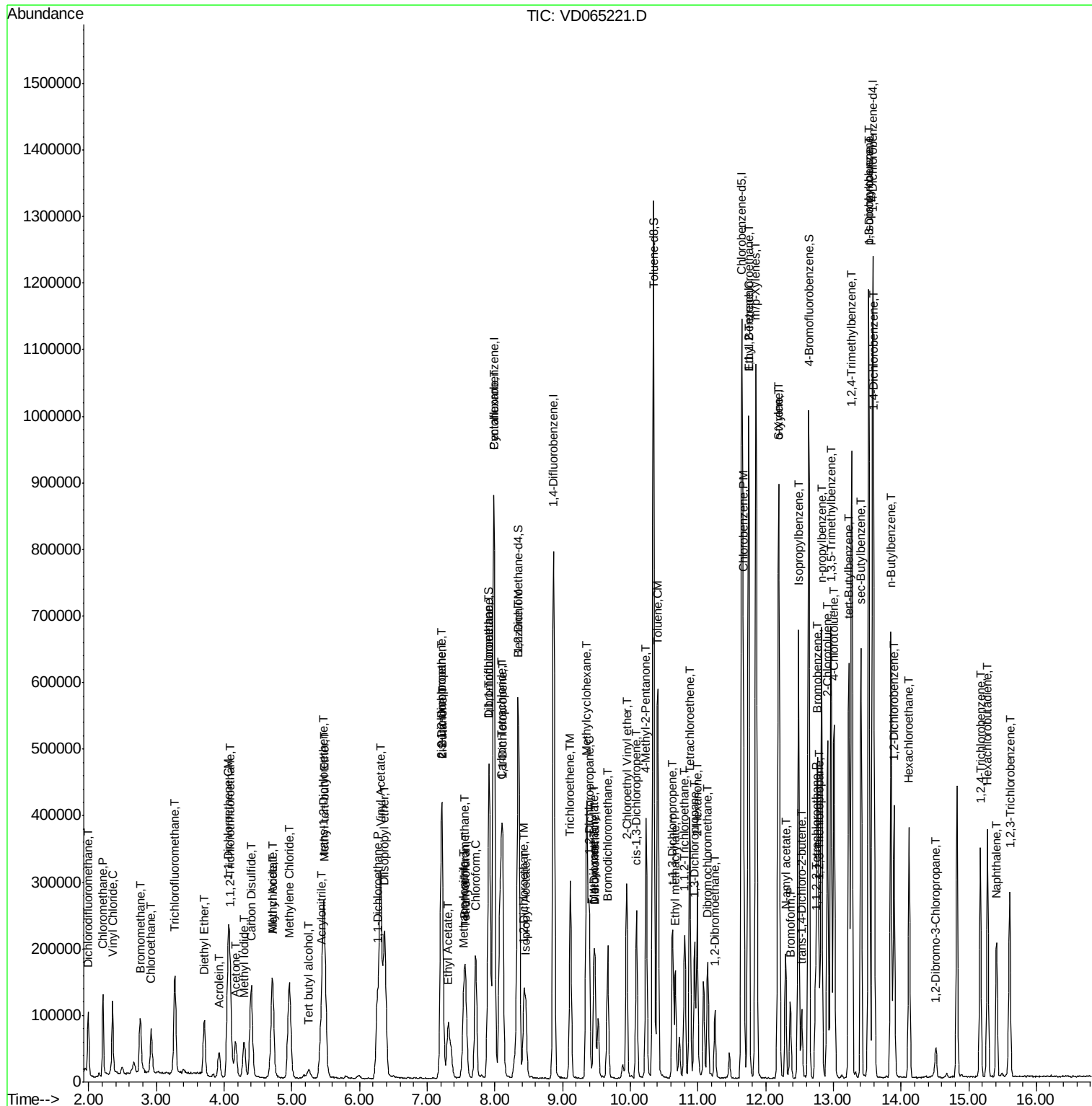
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	119387	21.351	ug/l	99
94) Hexachlorobutadiene	15.28	225	76208	21.246	ug/l	99
95) Naphthalene	15.41	128	183367	20.172	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	102434	20.975	ug/l	98

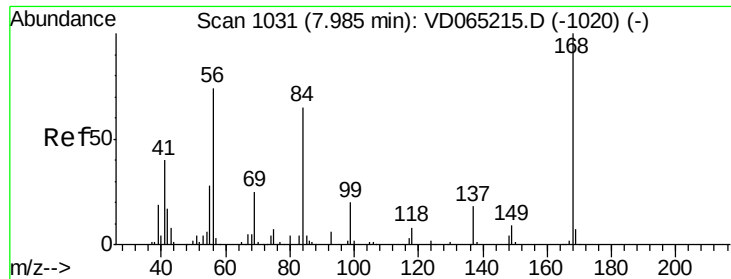
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021820\
Data File : VD065221.D
Acq On : 18 Feb 2020 16:18
Operator : VA/SY
Sample : VD0218SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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Quant Time: Feb 19 03:31:22 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

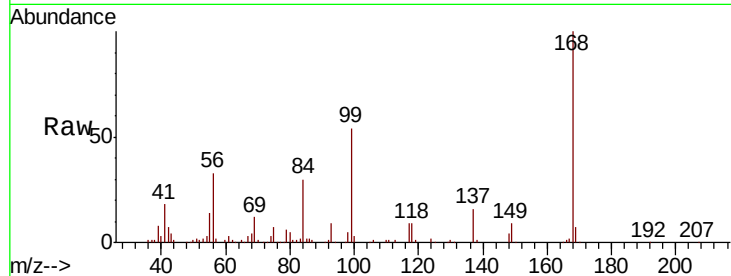
VD0218SBSD01

Tot Ion:168 Resp: 465431

Ion Ratio Lower Upper

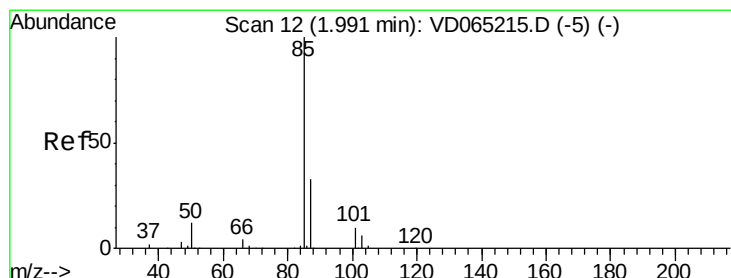
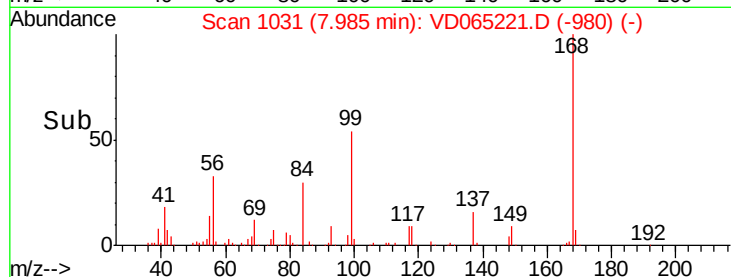
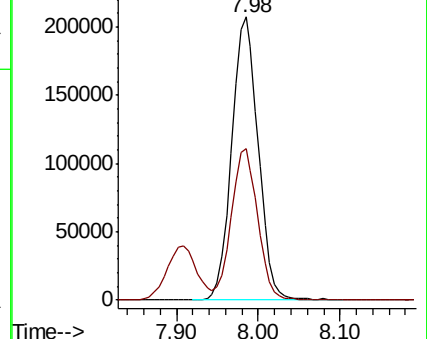
168 100

99 53.3 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.417 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065221.D

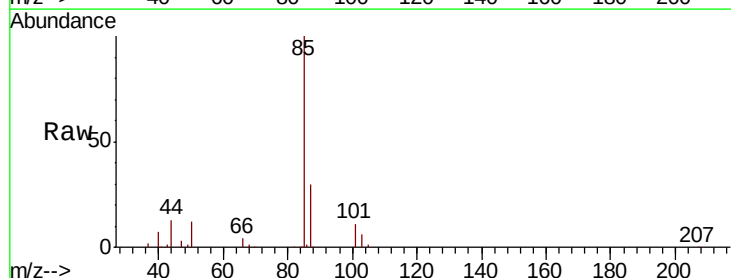
Acq: 18 Feb 2020 16:18

Tgt Ion: 85 Resp: 71895

Ion Ratio Lower Upper

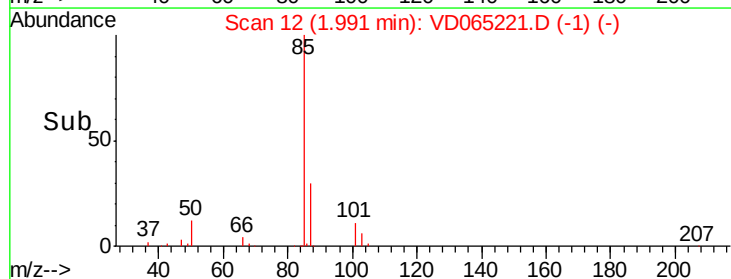
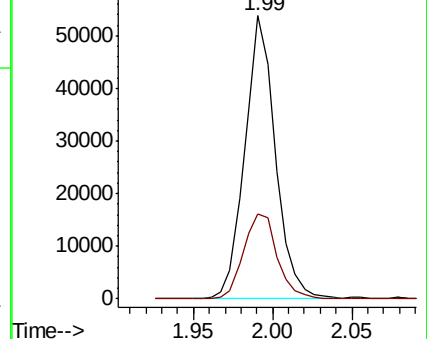
85 100

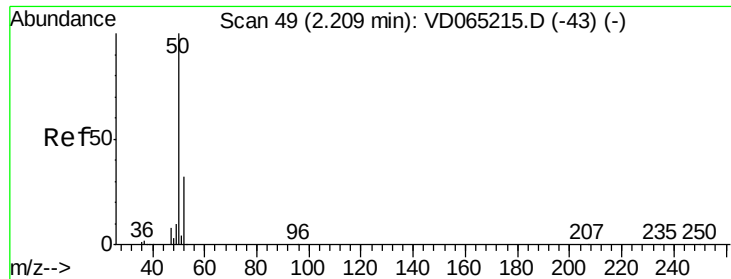
87 30.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.612 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

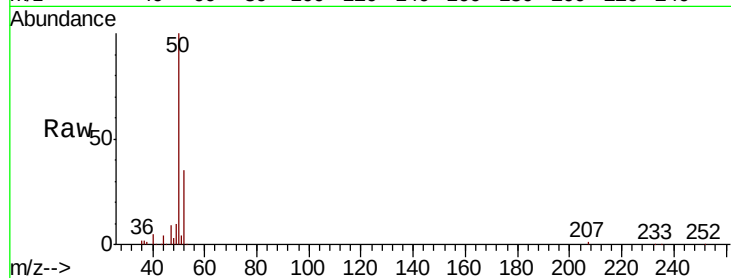
VD0218SBSD01

Tot Ion: 50 Resp: 102418

Ion Ratio Lower Upper

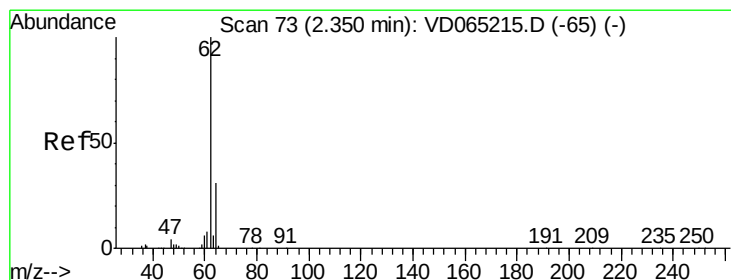
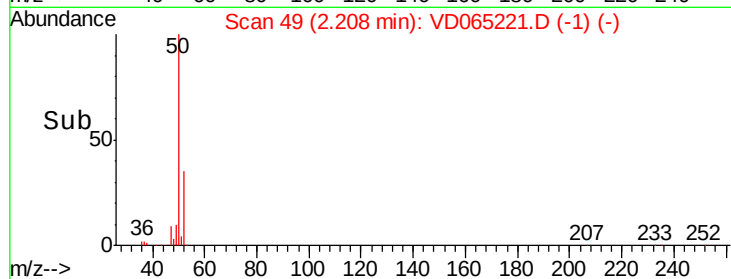
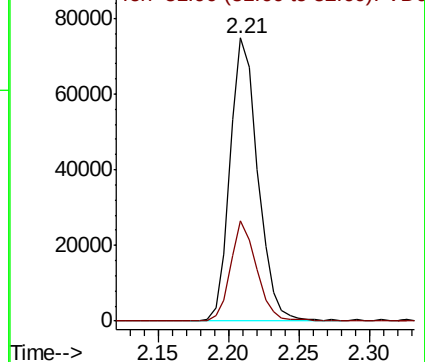
50 100

52 35.4 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.236 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065221.D

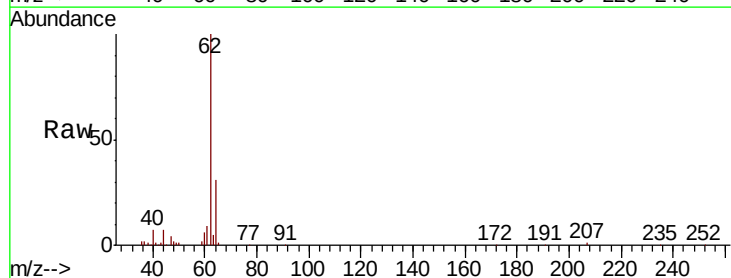
Acq: 18 Feb 2020 16:18

Tgt Ion: 62 Resp: 102244

Ion Ratio Lower Upper

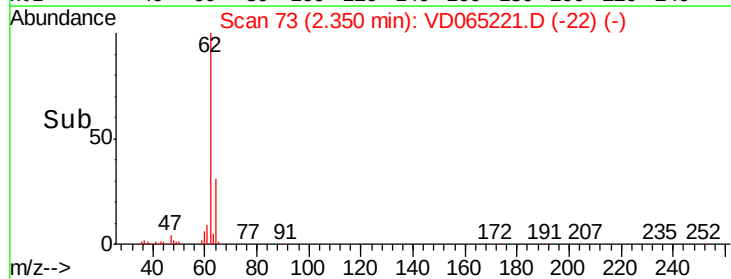
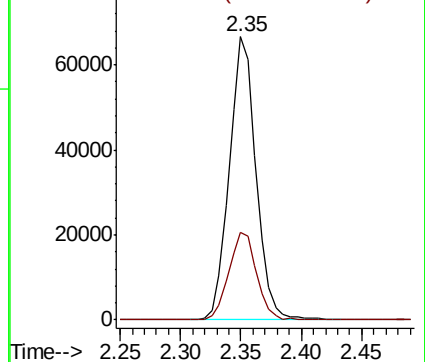
62 100

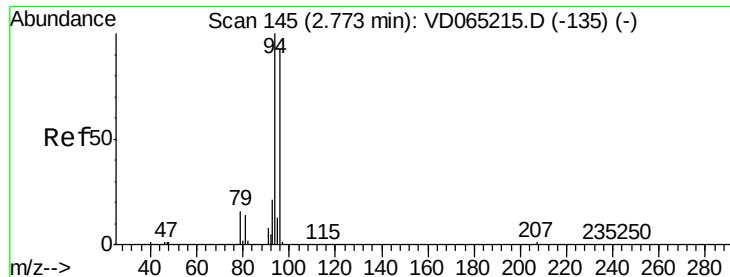
64 31.1 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.666 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

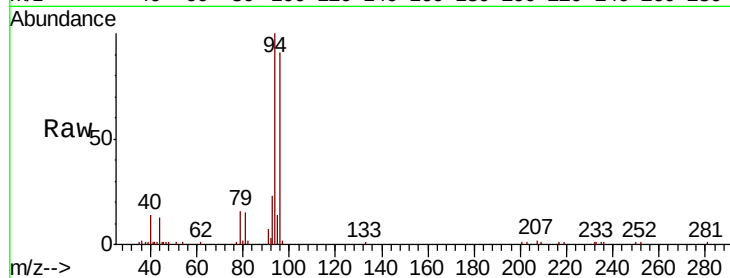
VD0218SBS01

Tot Ion: 94 Resp: 66187

Ion Ratio Lower Upper

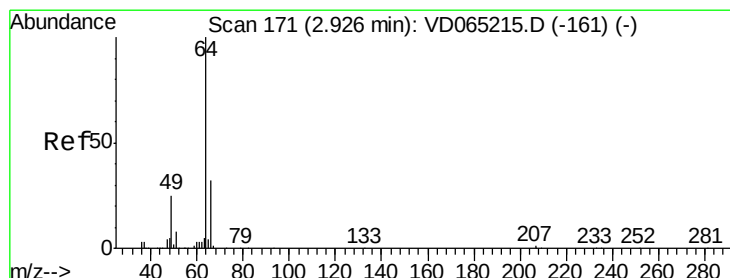
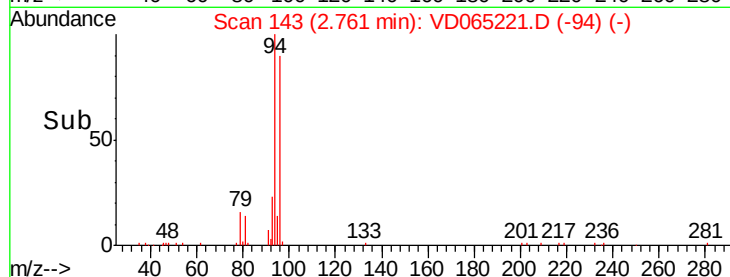
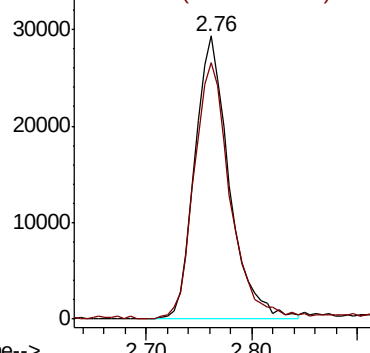
94 100

96 90.7 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.773 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065221.D

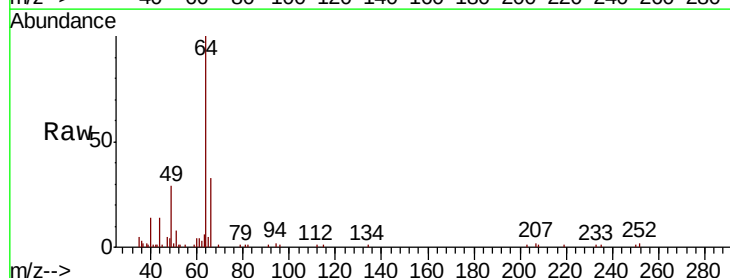
Acq: 18 Feb 2020 16:18

Tgt Ion: 64 Resp: 64067

Ion Ratio Lower Upper

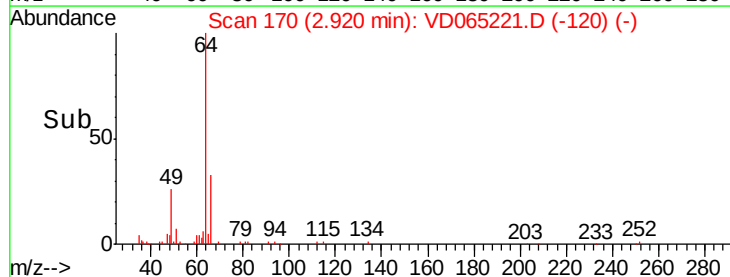
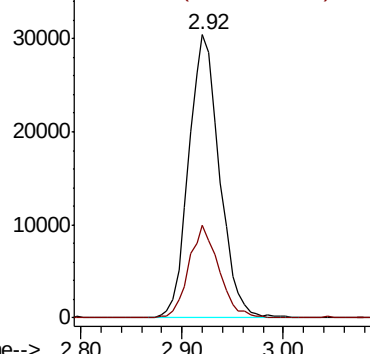
64 100

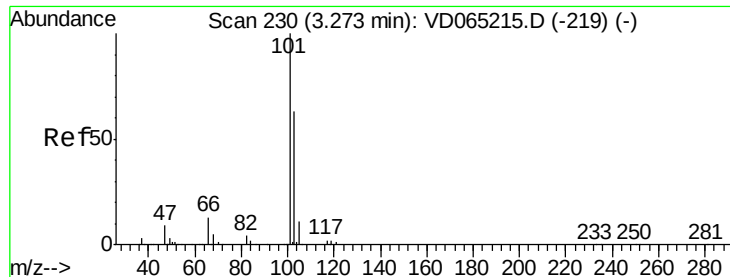
66 32.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



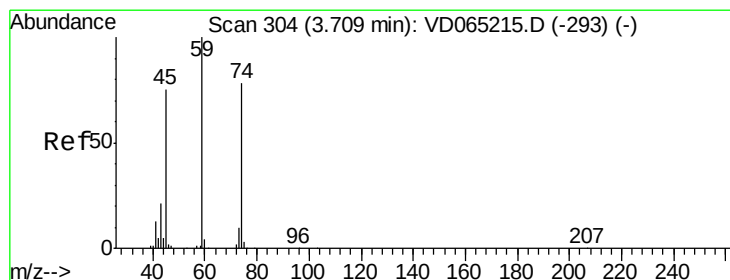
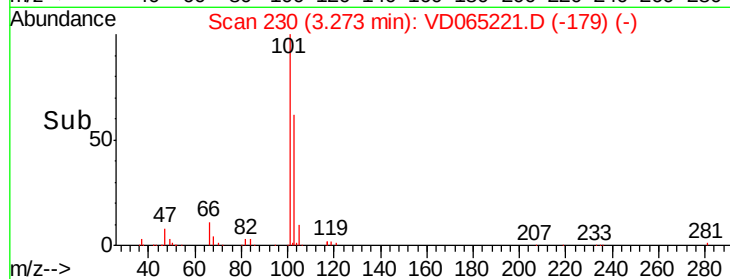
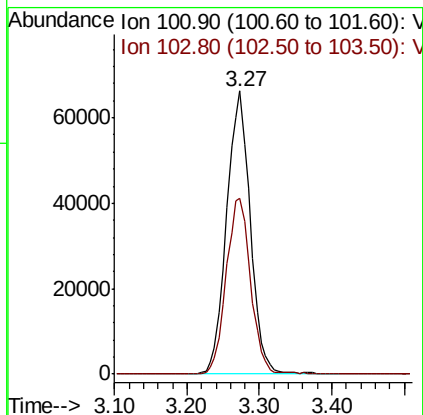
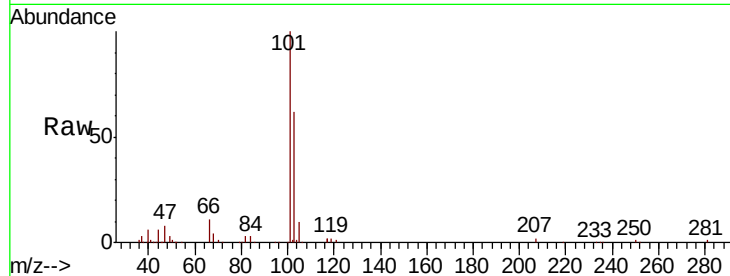


#7

Trichlorofluoromethane
 Concen: 20.763 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

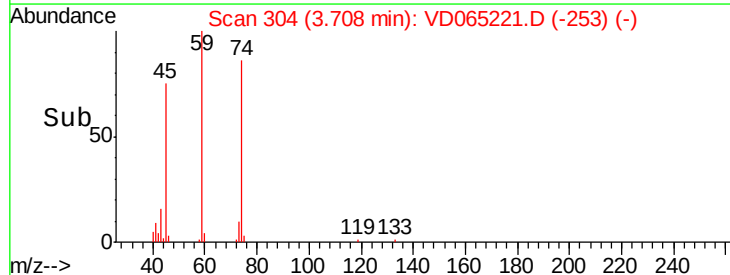
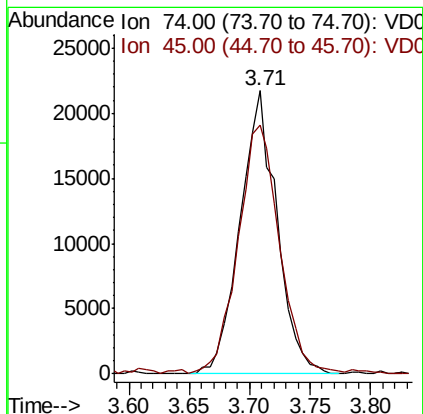
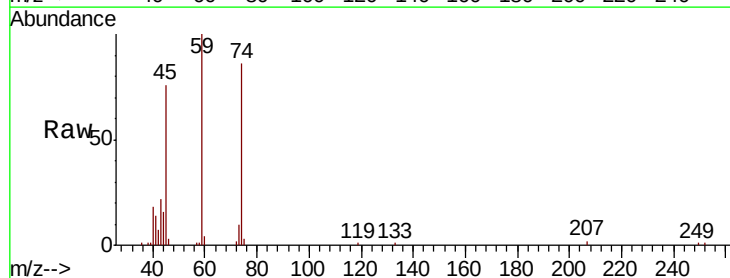
Tot Ion:101 Resp: 150190
 Ion Ratio Lower Upper
 101 100
 103 62.3 50.7 76.1

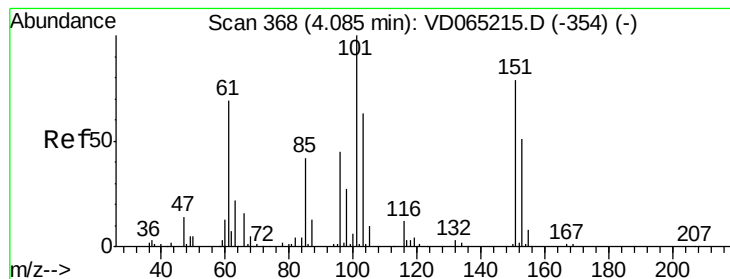


#8

Diethyl Ether
 Concen: 21.080 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Tgt Ion: 74 Resp: 46029
 Ion Ratio Lower Upper
 74 100
 45 99.0 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.817 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

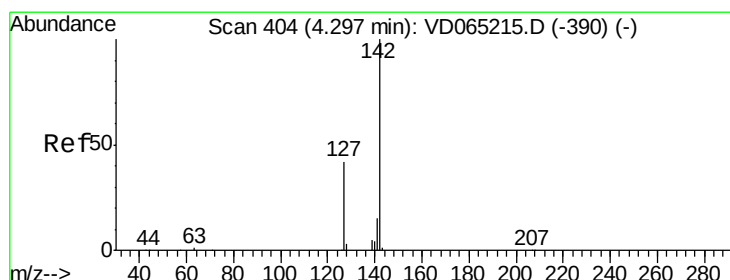
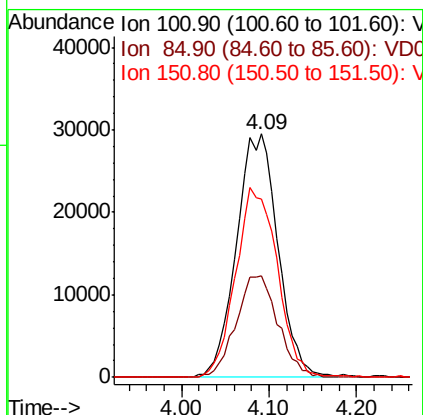
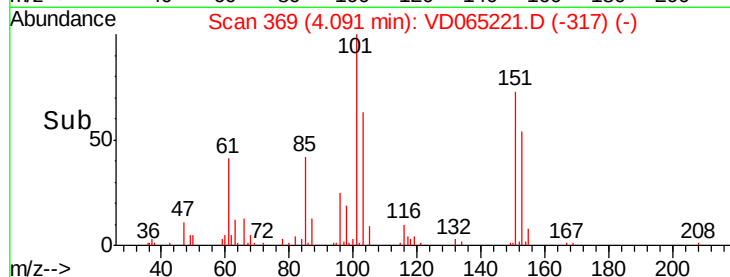
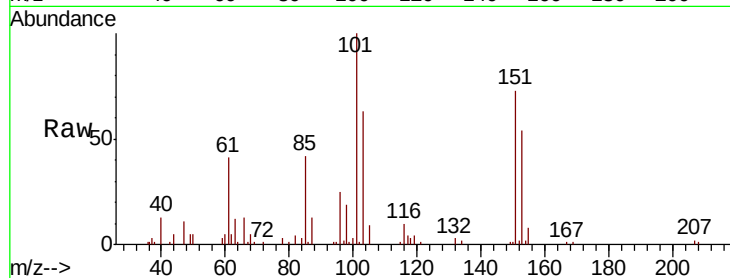
Tot Ion:101 Resp: 95092

Ion Ratio Lower Upper

101 100

85 42.0 34.2 51.2

151 78.0 63.5 95.3



#10

Methyl Iodide

Concen: 19.379 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

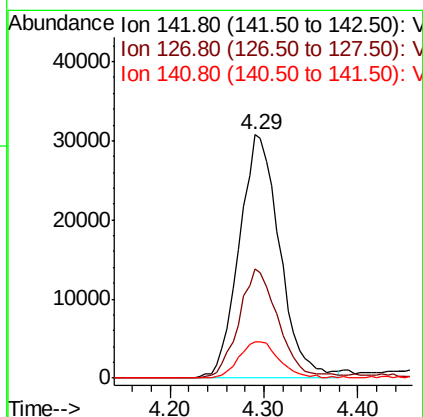
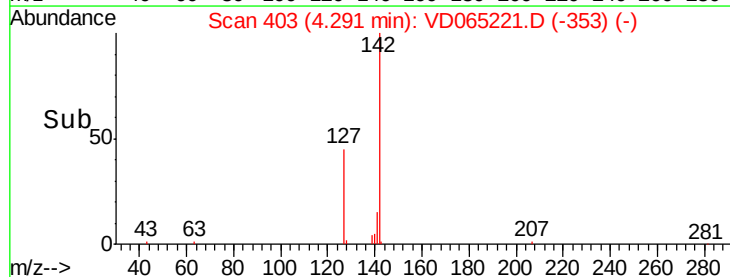
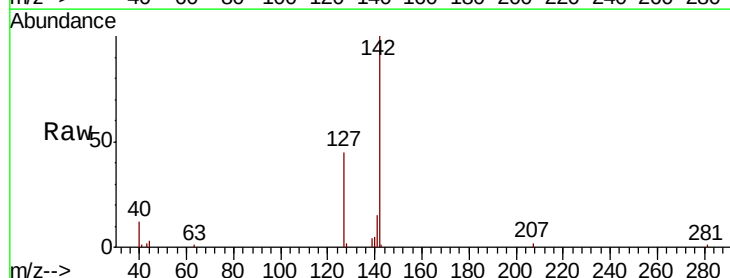
Tgt Ion:142 Resp: 91913

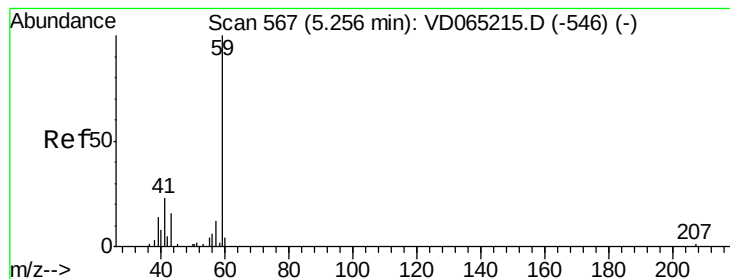
Ion Ratio Lower Upper

142 100

127 43.9 33.8 50.8

141 14.8 11.7 17.5





#11

Tert butyl alcohol

Concen: 95.175 ug/l

RT: 5.25 min Scan# 566

Delta R.T. -0.01 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

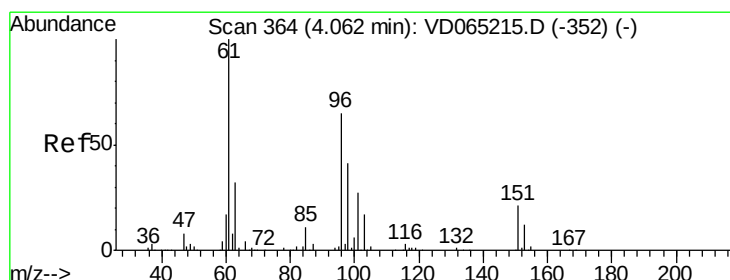
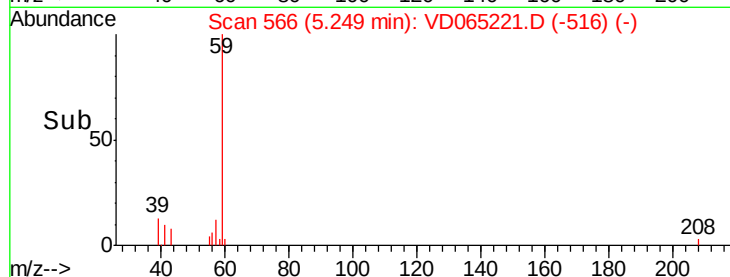
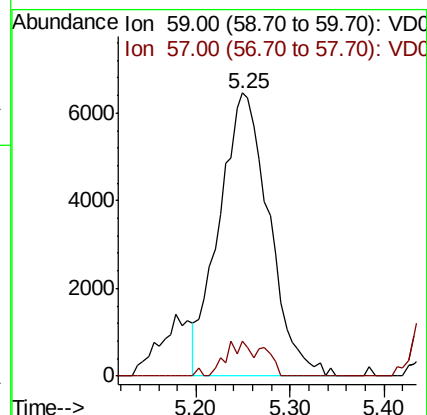
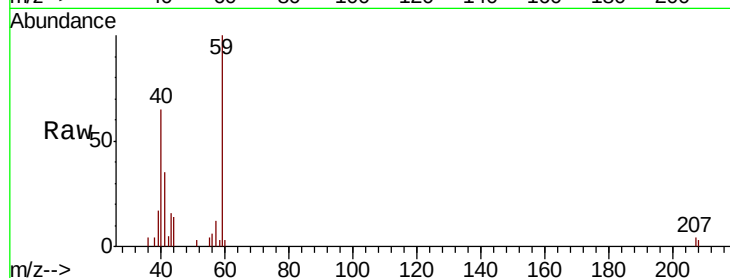
VD0218SBS01

Tot Ion: 59 Resp: 23813

Ion Ratio Lower Upper

59 100

57 6.0 8.4 12.6#



#12

1,1-Dichloroethene

Concen: 20.903 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

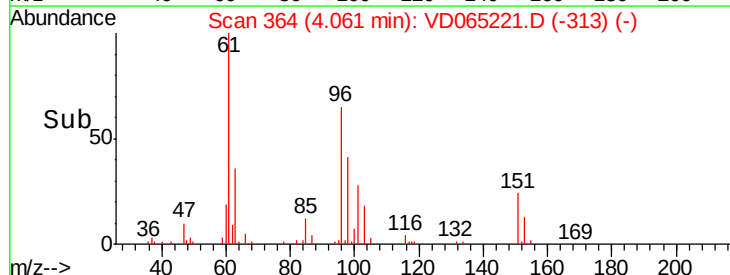
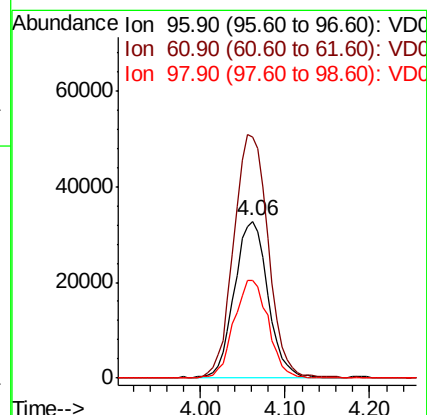
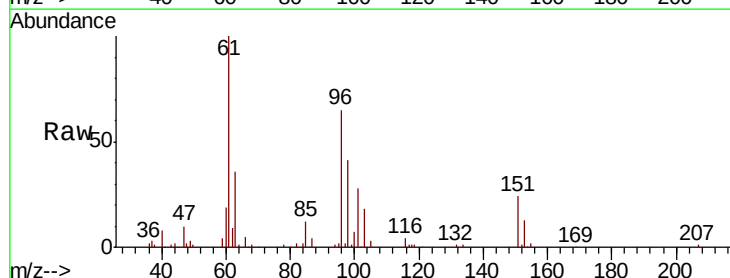
Tgt Ion: 96 Resp: 90202

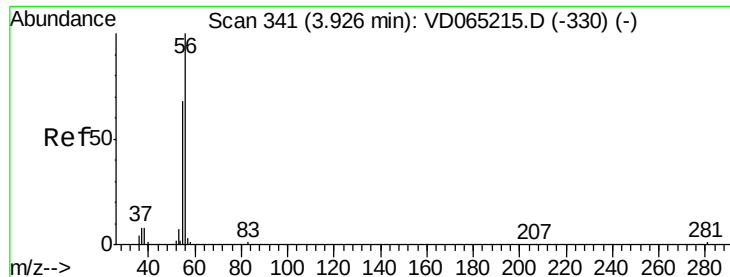
Ion Ratio Lower Upper

96 100

61 153.2 123.3 184.9

98 62.3 51.0 76.4





#13

Acrolein

Concen: 131.202 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

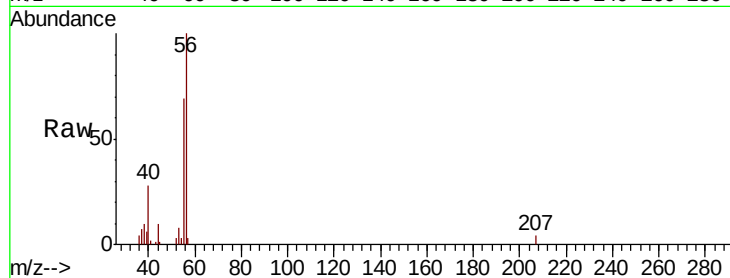
VD0218SBSD01

Tot Ion: 56 Resp: 44471

Ion Ratio Lower Upper

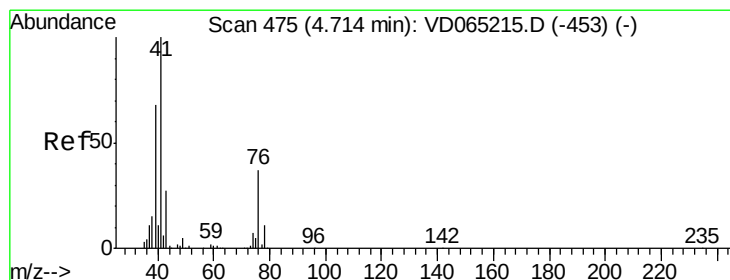
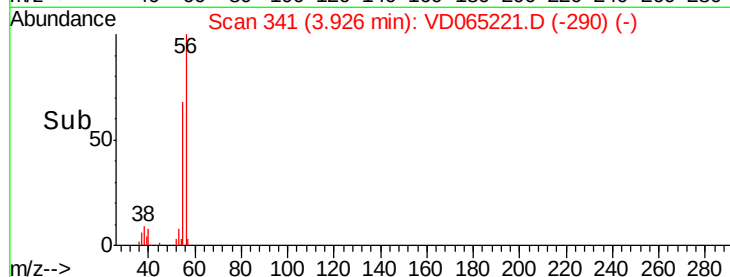
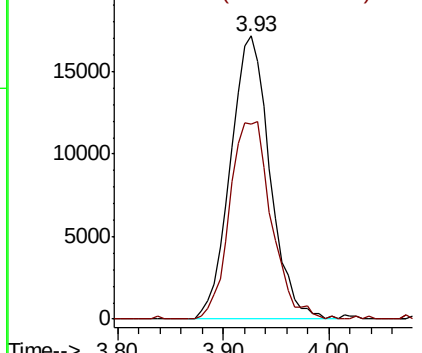
56 100

55 73.5 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.028 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

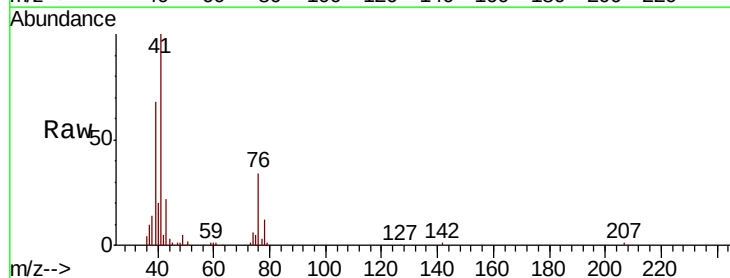
Tgt Ion: 41 Resp: 147358

Ion Ratio Lower Upper

41 100

39 66.7 53.8 80.6

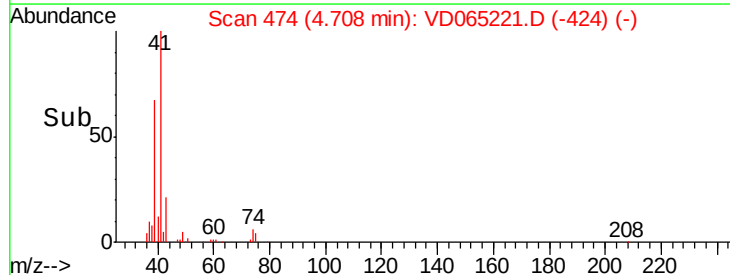
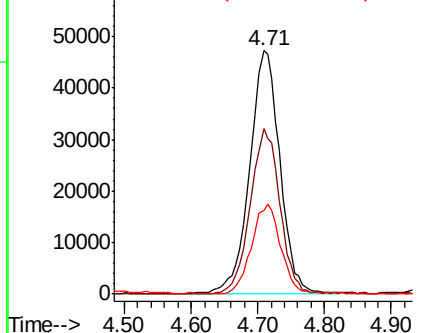
76 35.4 28.7 43.1

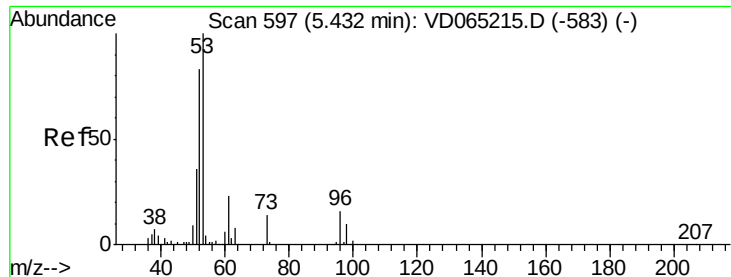


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 104.360 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

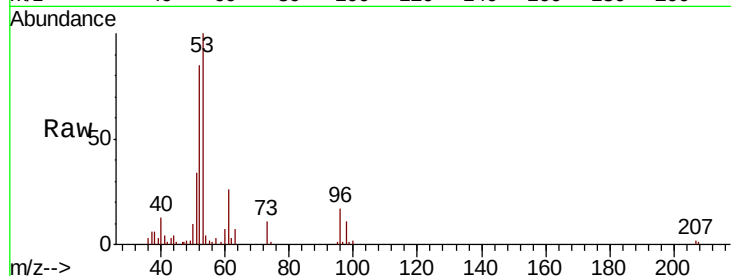
Tot Ion: 53 Resp: 100887

Ion Ratio Lower Upper

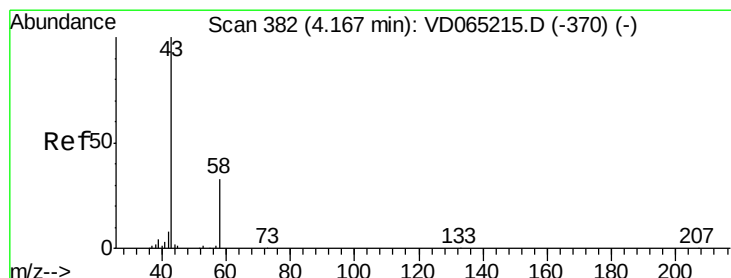
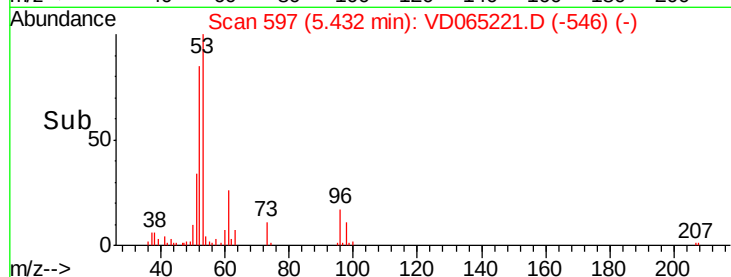
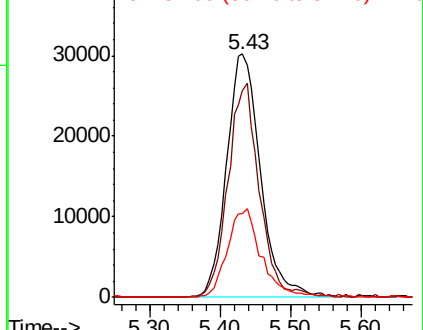
53 100

52 81.1 65.4 98.2

51 36.2 29.5 44.3



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: 91.613 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065221.D

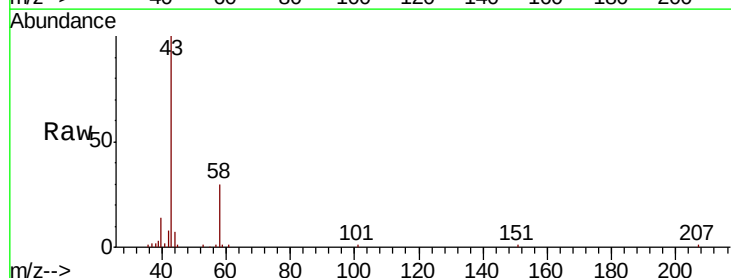
Acq: 18 Feb 2020 16:18

Tgt Ion: 43 Resp: 93768

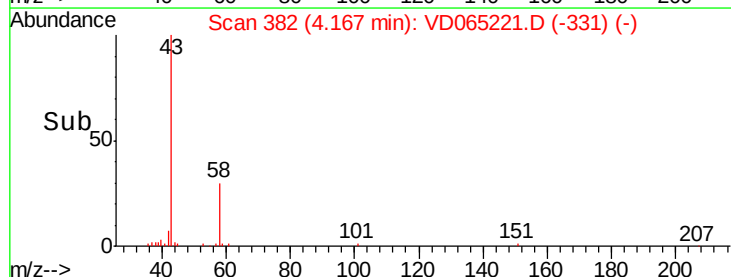
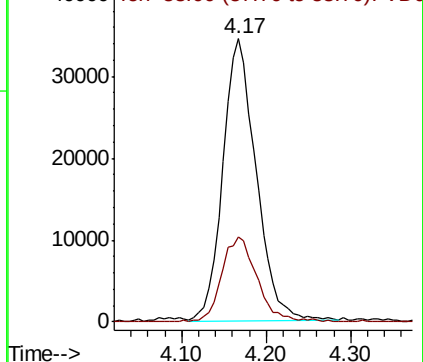
Ion Ratio Lower Upper

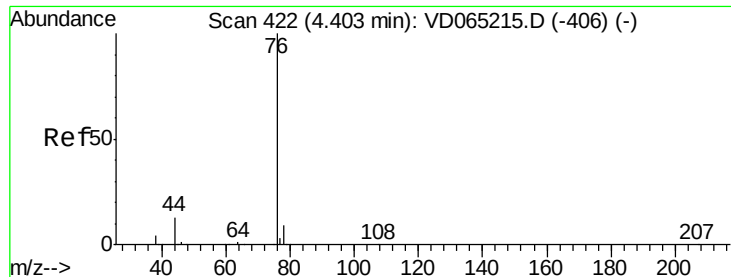
43 100

58 30.4 26.2 39.2



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





#17

Carbon Disulfide

Concen: 20.726 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

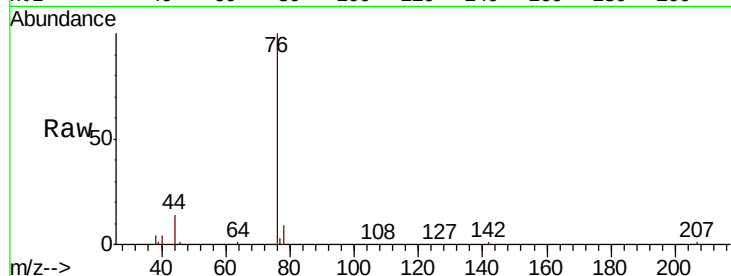
VD0218SBS01

Tot Ion: 76 Resp: 299848

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

120000

100000

80000

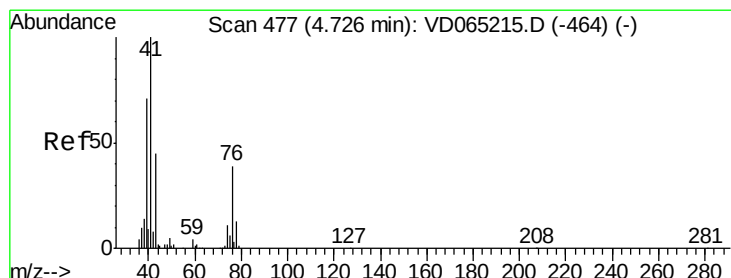
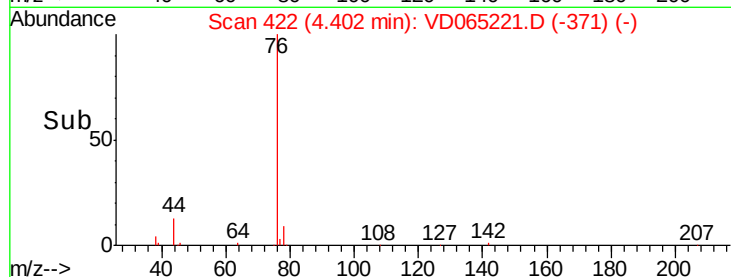
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.445 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065221.D

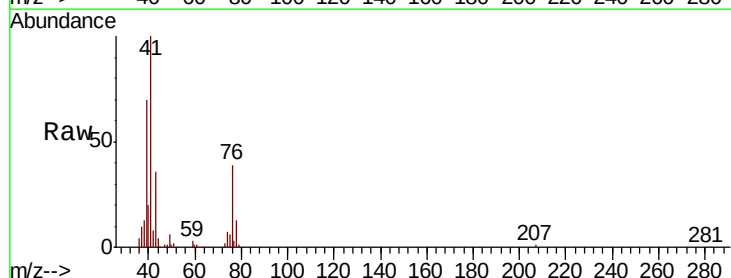
Acq: 18 Feb 2020 16:18

Tgt Ion: 43 Resp: 49365

Ion Ratio Lower Upper

43 100

74 22.2 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

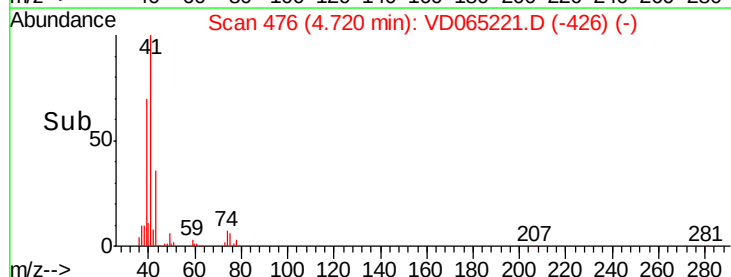
15000

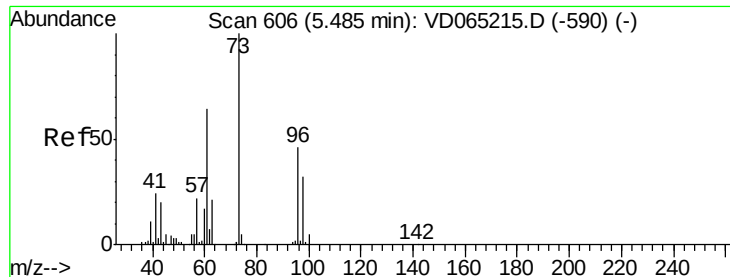
10000

5000

0

Time-->



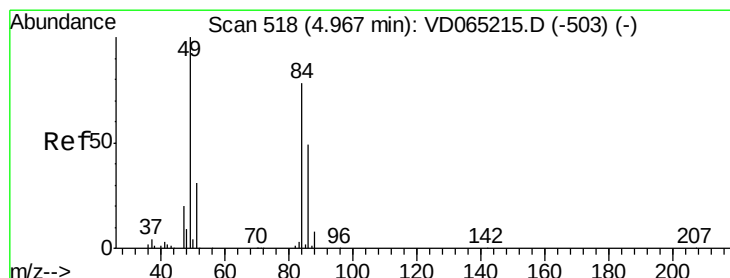
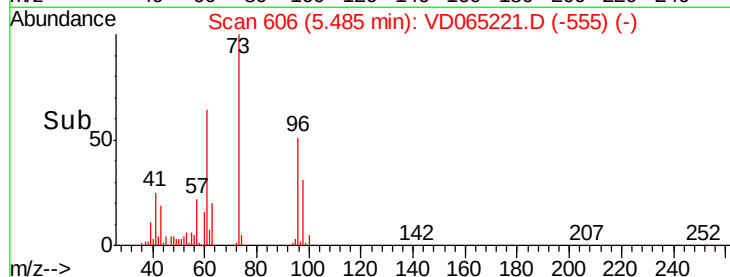
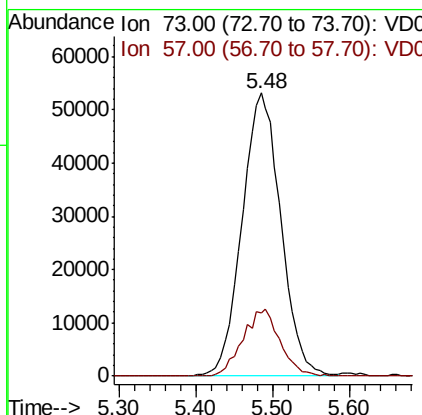
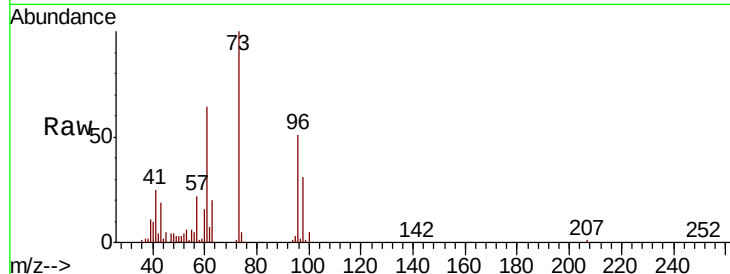


#19

Methyl tert-butyl Ether
 Concen: 20.784 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

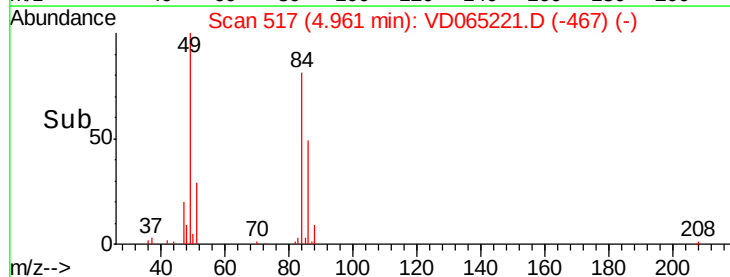
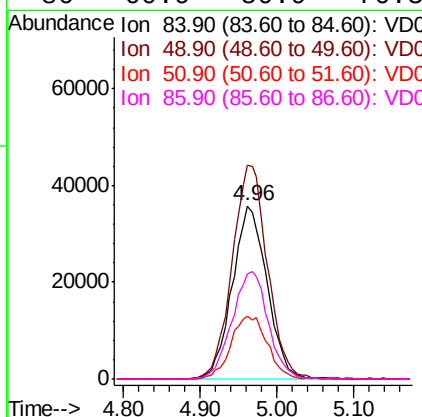
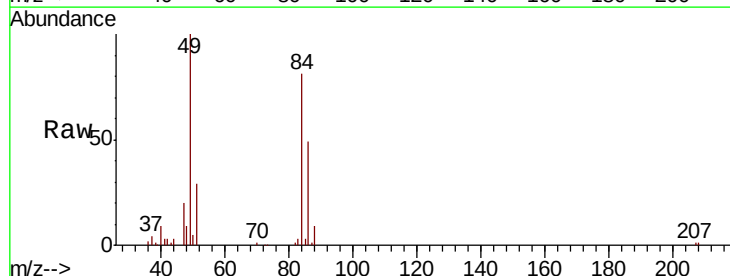
Tot Ion: 73 Resp: 187032
 Ion Ratio Lower Upper
 73 100
 57 22.2 17.3 25.9

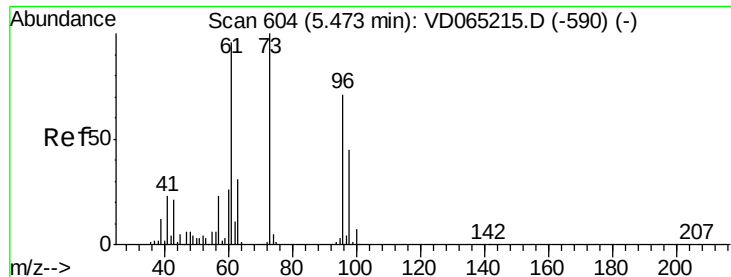


#20

Methylene Chloride
 Concen: 22.222 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Tgt Ion: 84 Resp: 112922
 Ion Ratio Lower Upper
 84 100
 49 123.3 103.1 154.7
 51 36.2 31.7 47.5
 86 60.9 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 21.627 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

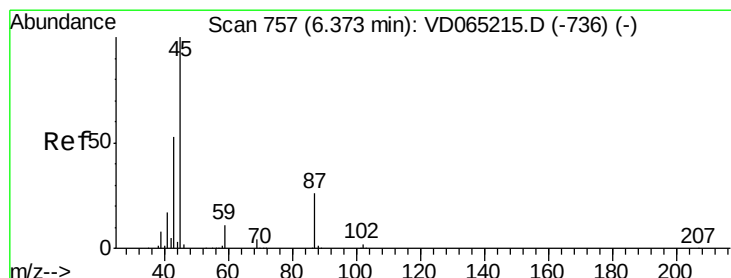
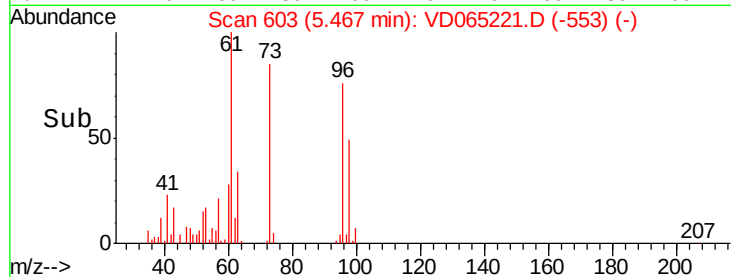
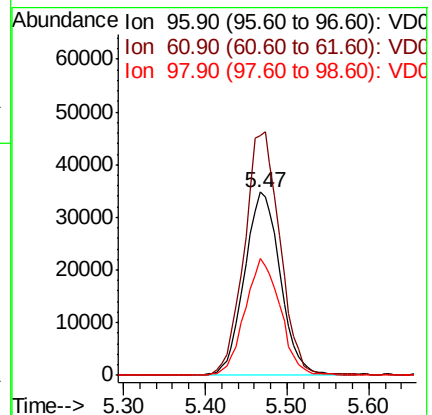
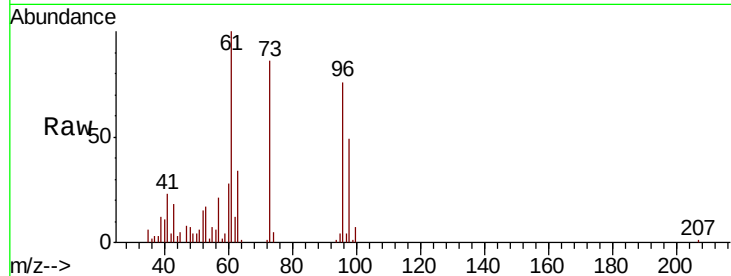
Tot Ion: 96 Resp: 106093

Ion Ratio Lower Upper

96 100

61 131.1 108.3 162.5

98 63.7 50.7 76.1



#22

Diisopropyl ether

Concen: 21.280 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Tgt Ion: 45 Resp: 287470

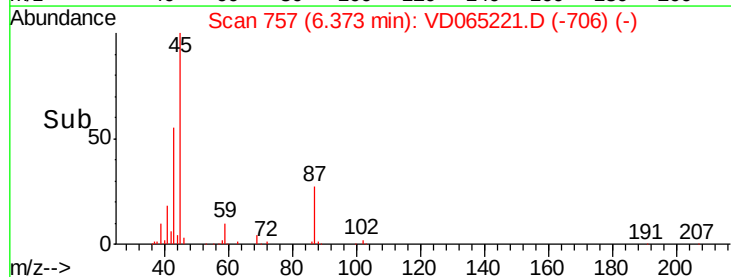
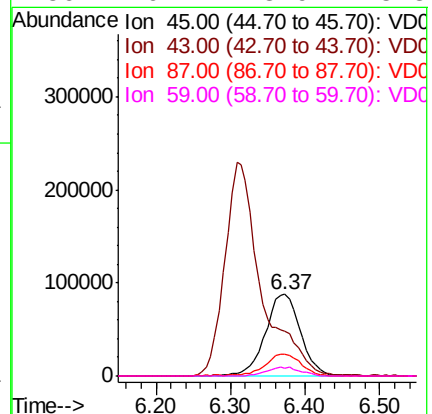
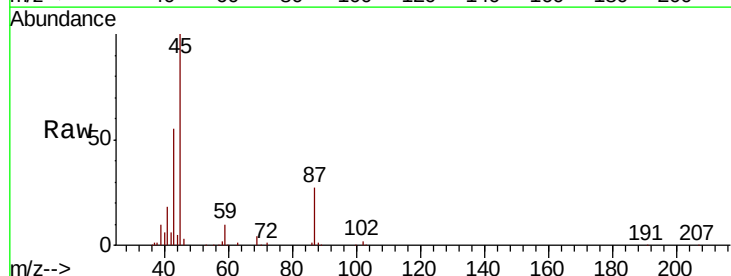
Ion Ratio Lower Upper

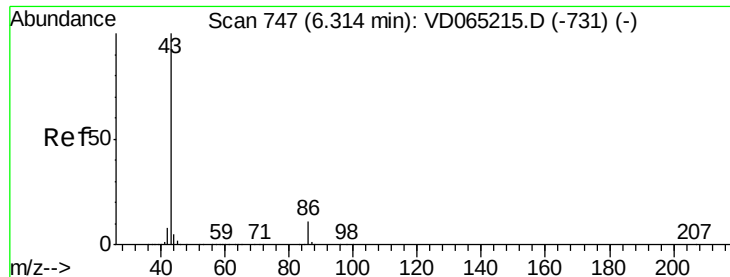
45 100

43 54.7 42.6 64.0

87 26.5 21.2 31.8

59 10.2 8.9 13.3





#23

Vinyl Acetate

Concen: 105.155 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

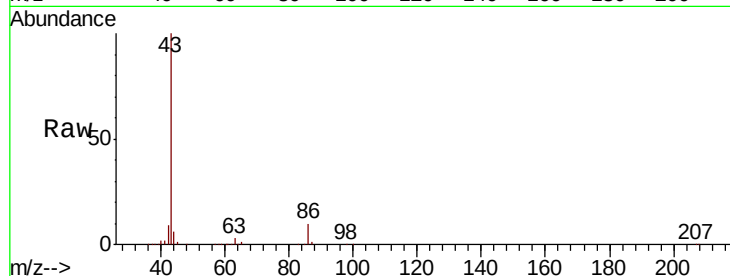
VD0218SBS01

Tot Ion: 43 Resp: 783134

Ion Ratio Lower Upper

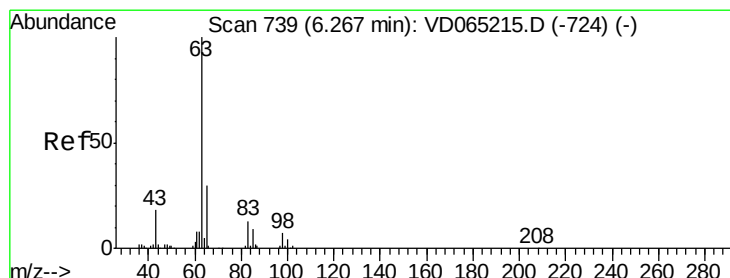
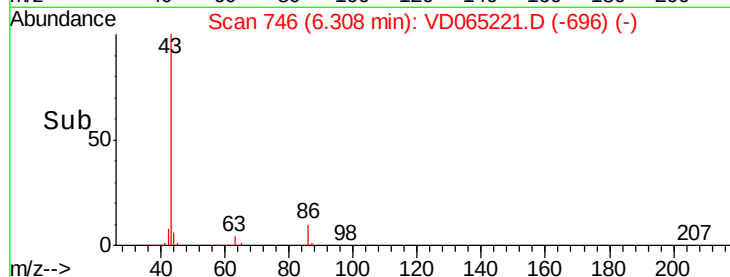
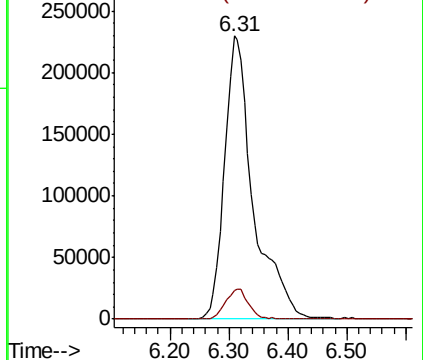
43 100

86 10.0 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.826 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

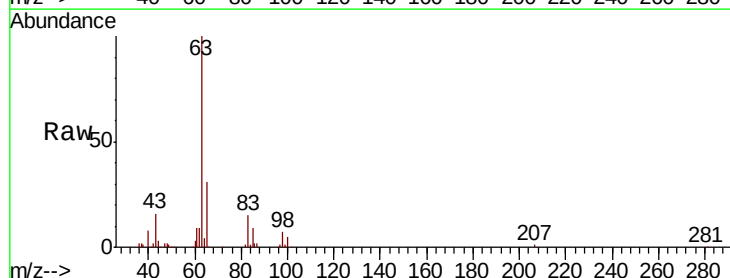
Tgt Ion: 63 Resp: 174504

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

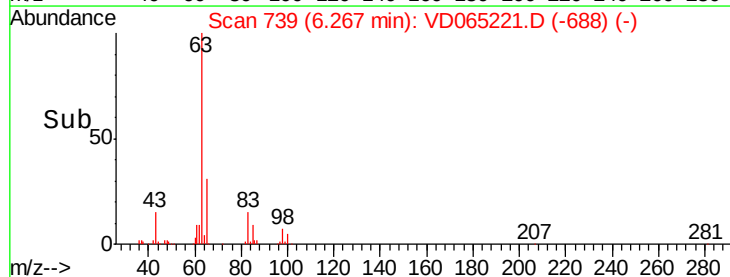
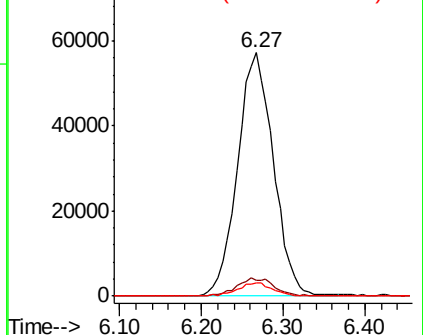
100 5.4 2.3 6.8

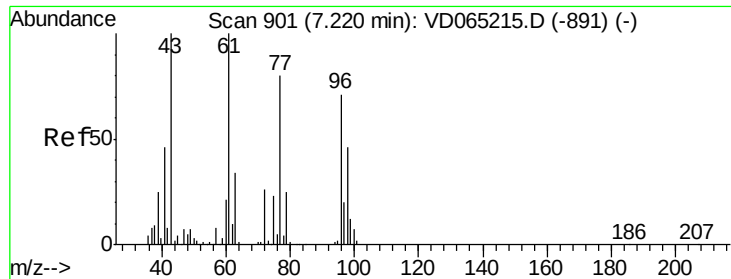


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

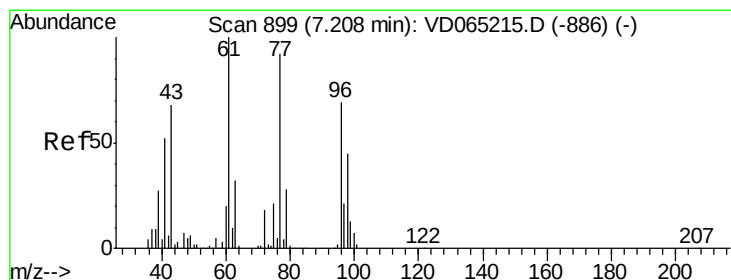
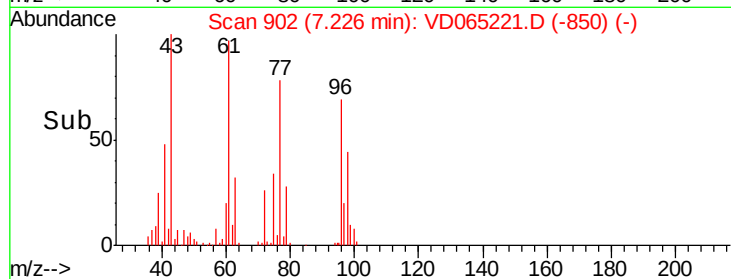
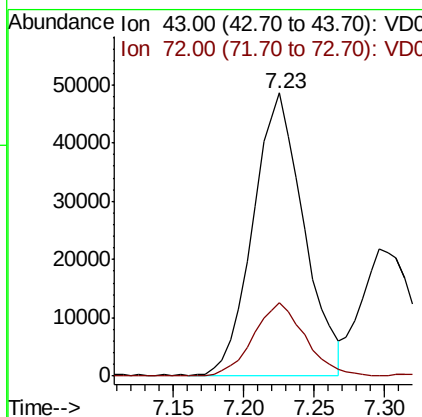
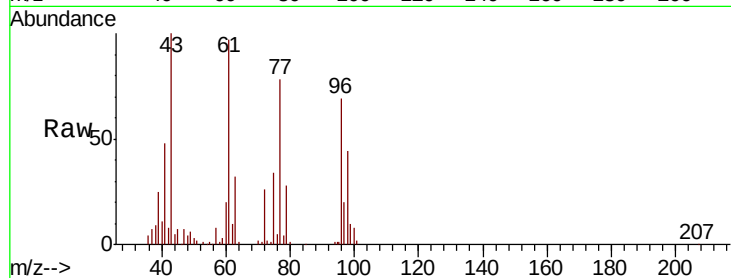




#25
2-Butanone
Concen: 94.737 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

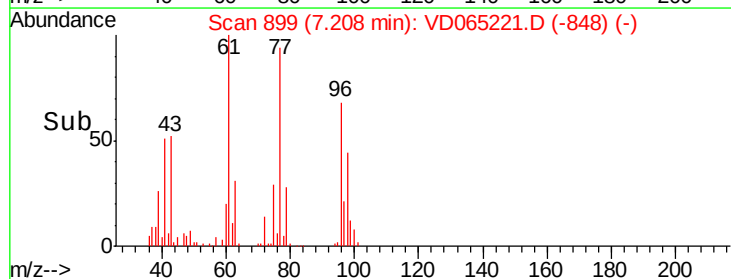
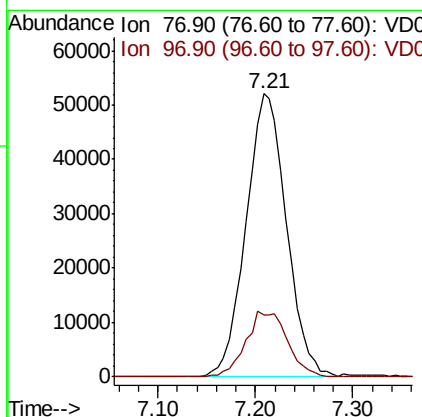
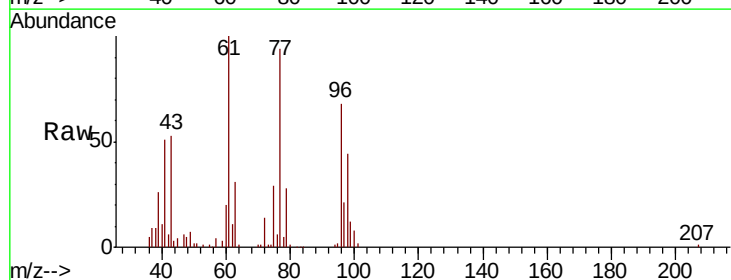
Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

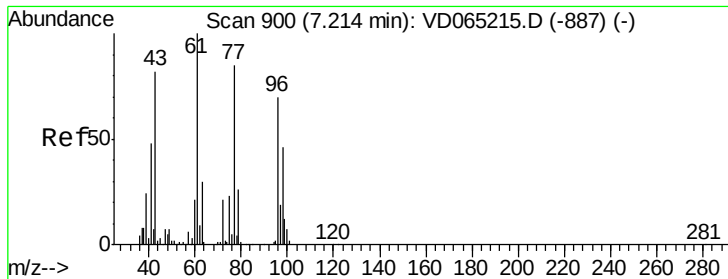
Tot Ion: 43 Resp: 122683
Ion Ratio Lower Upper
43 100
72 25.8 20.9 31.3



#26
2,2-Dichloropropane
Concen: 20.779 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Tgt Ion: 77 Resp: 151065
Ion Ratio Lower Upper
77 100
97 23.6 11.7 35.1



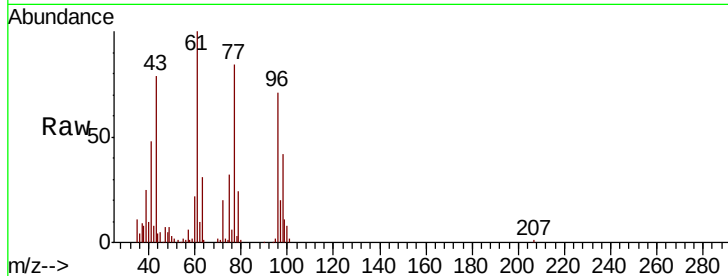


#27

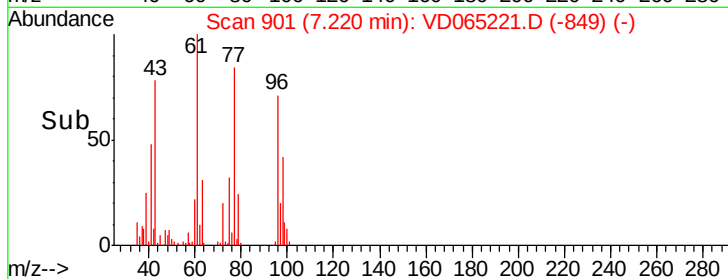
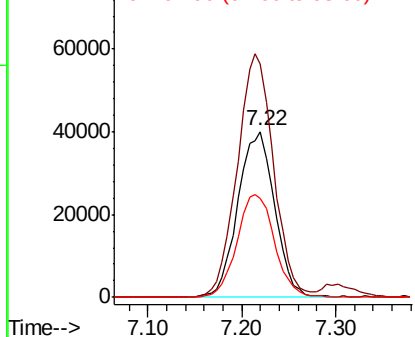
cis-1,2-Dichloroethene
 Concen: 20.910 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBSD01

Tot Ion	96	Resp	108653
Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	286.0
98	63.2	0.0	127.8



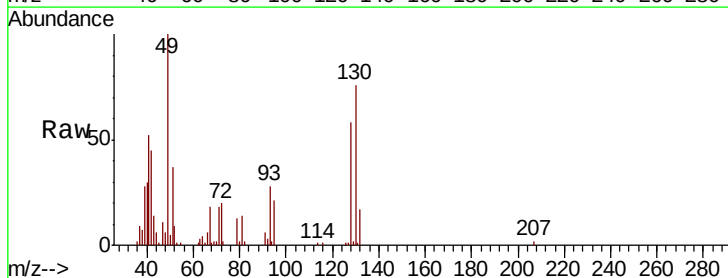
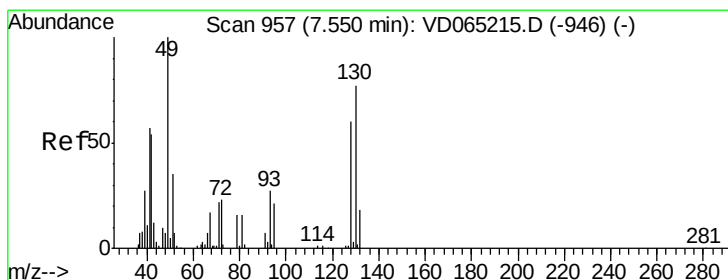
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



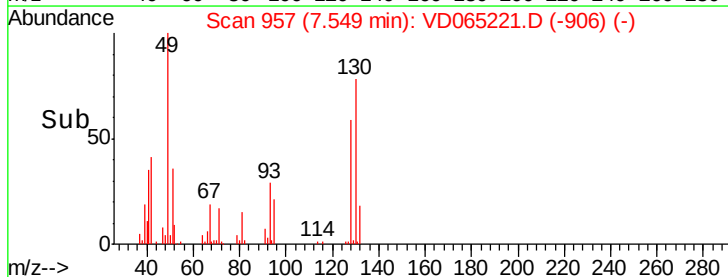
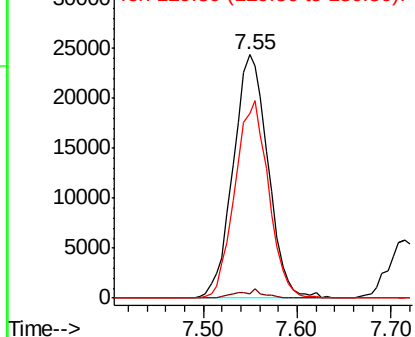
#28

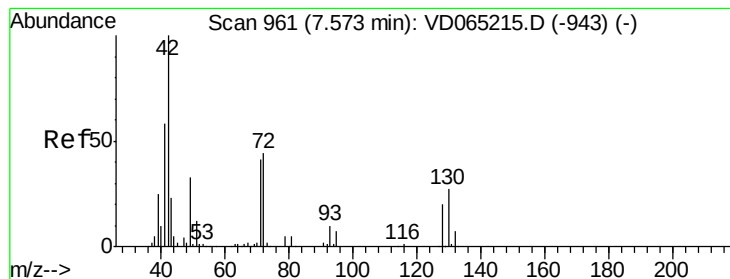
Bromochloromethane
 Concen: 20.112 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Tgt Ion	49	Resp	62521
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.6
130	78.6	64.7	97.1



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: 103.538 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

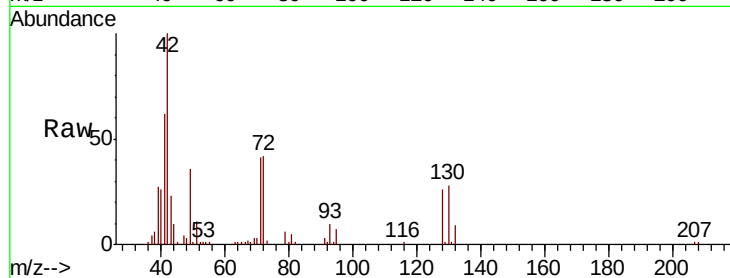
Tot Ion: 42 Resp: 78560

Ion Ratio Lower Upper

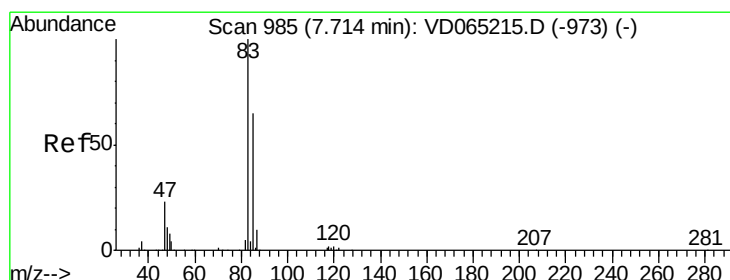
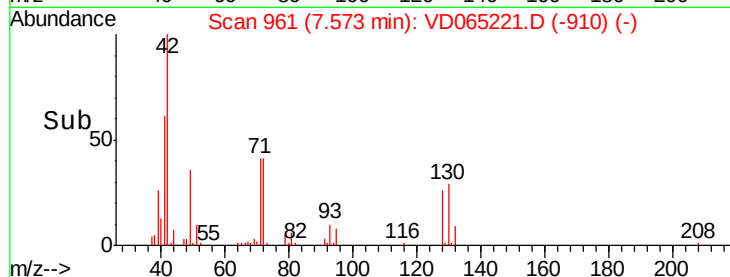
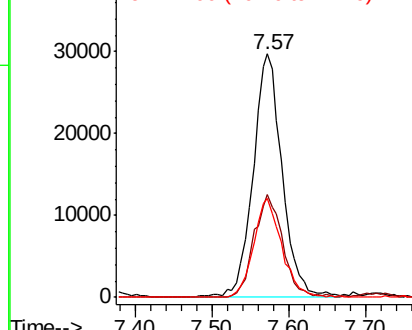
42 100

72 41.6 33.7 50.5

71 39.1 31.4 47.2



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: 21.277 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065221.D

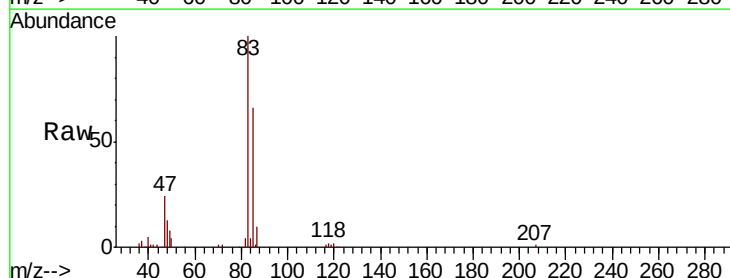
Acq: 18 Feb 2020 16:18

Tgt Ion: 83 Resp: 179616

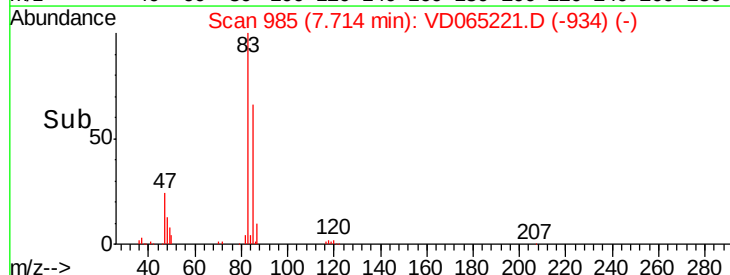
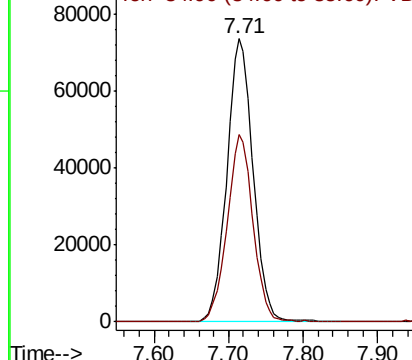
Ion Ratio Lower Upper

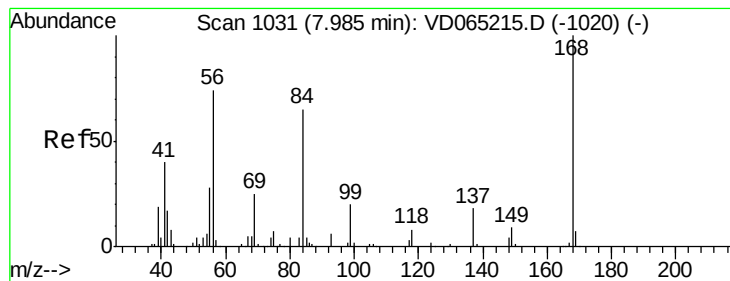
83 100

85 66.0 52.3 78.5



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





#31

Cyclohexane

Concen: 20.761 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

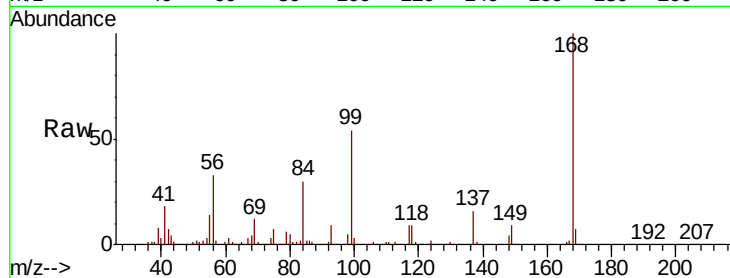
Tot Ion: 56 Resp: 170919

Ion Ratio Lower Upper

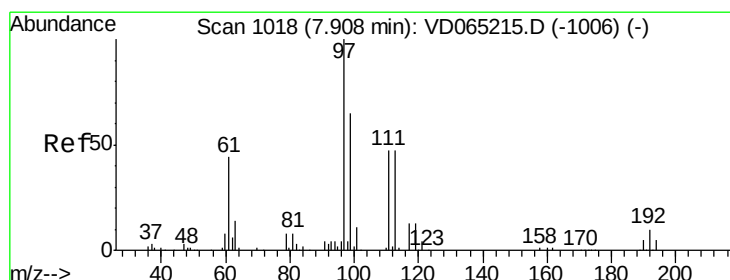
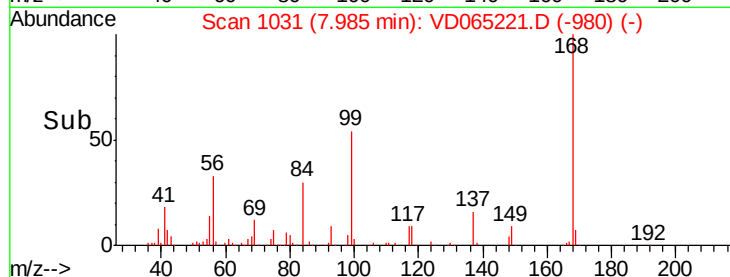
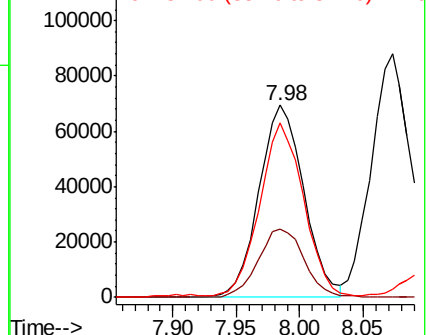
56 100

69 35.7 27.4 41.0

84 89.5 71.1 106.7



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: 21.016 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

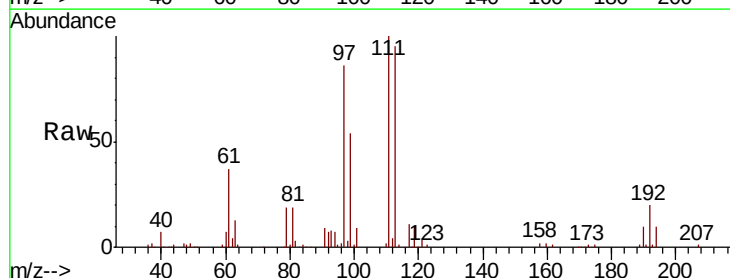
Tgt Ion: 97 Resp: 158733

Ion Ratio Lower Upper

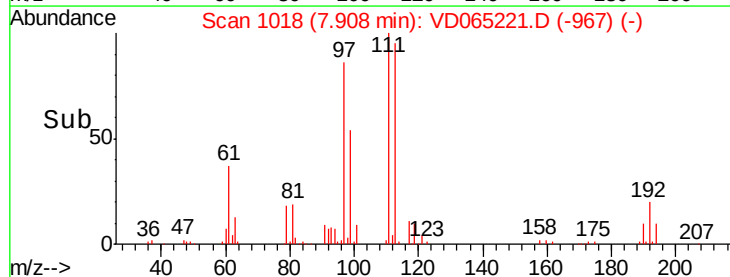
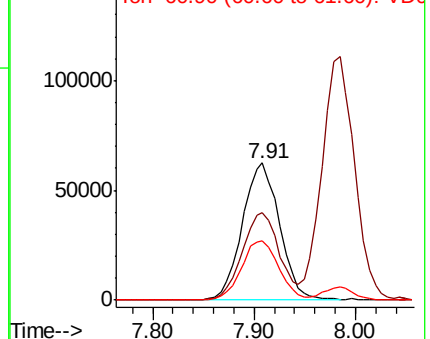
97 100

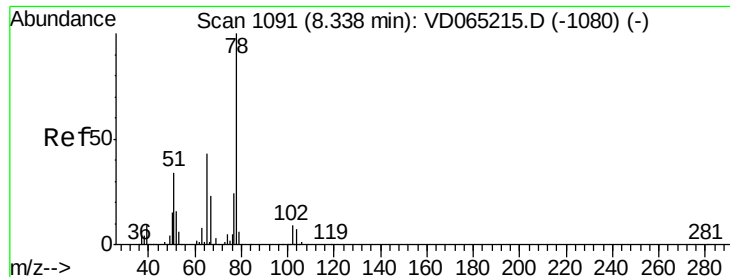
99 63.9 51.4 77.2

61 43.6 34.8 52.2



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

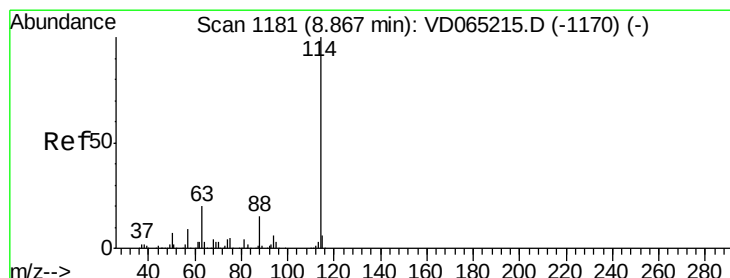
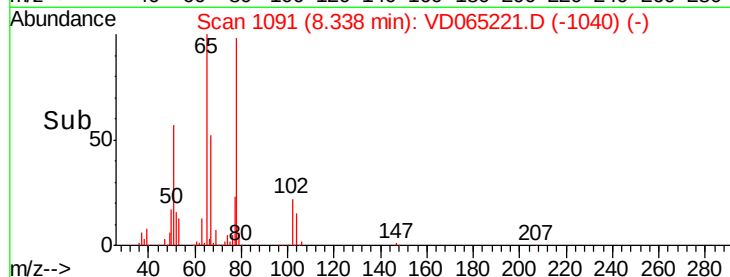
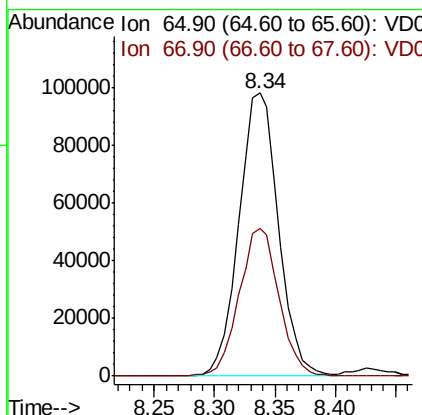
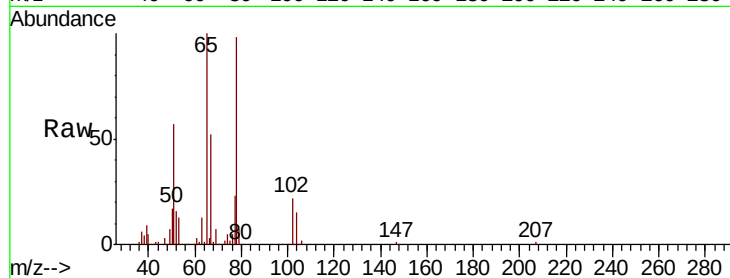




#33
 1,2-Dichloroethane-d4
 Concen: 53.359 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

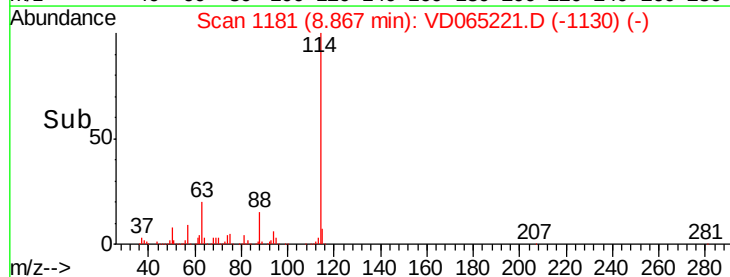
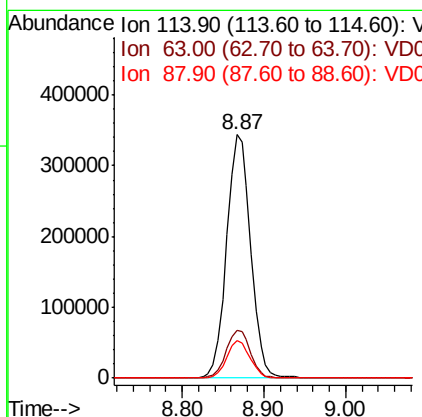
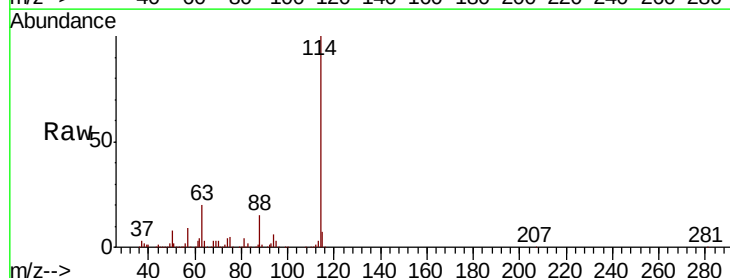
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBSD01

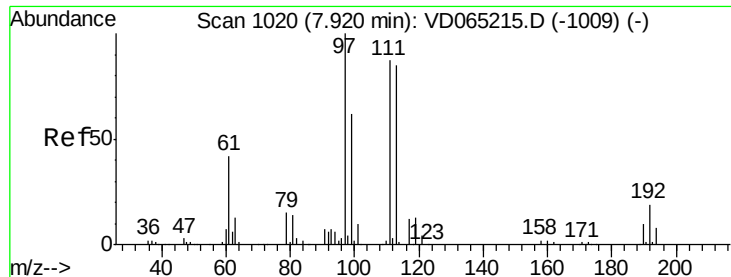
Tot Ion: 65 Resp: 223417
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Tgt Ion: 114 Resp: 703287
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.4
 88 15.3 0.0 30.4

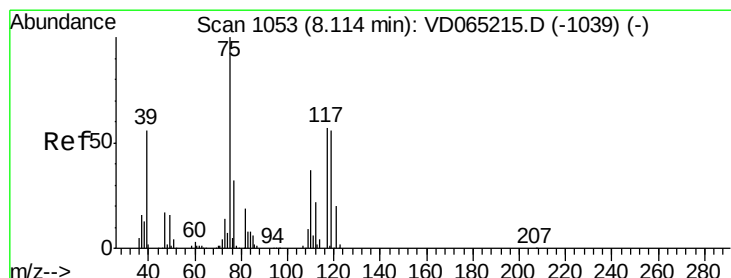
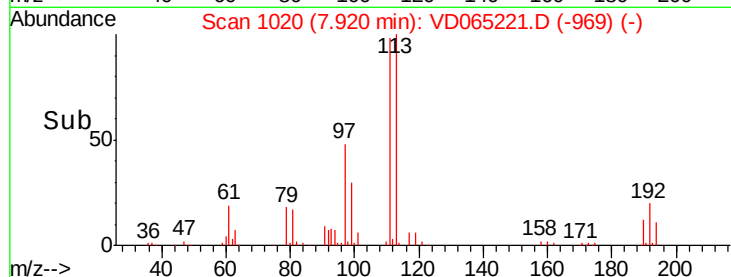
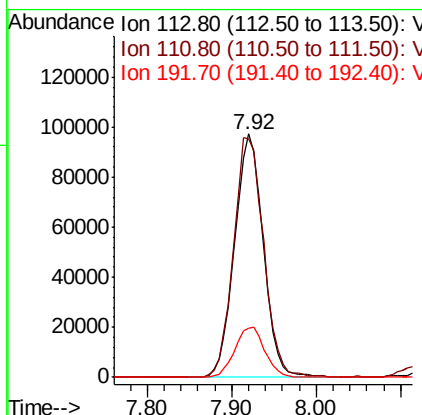
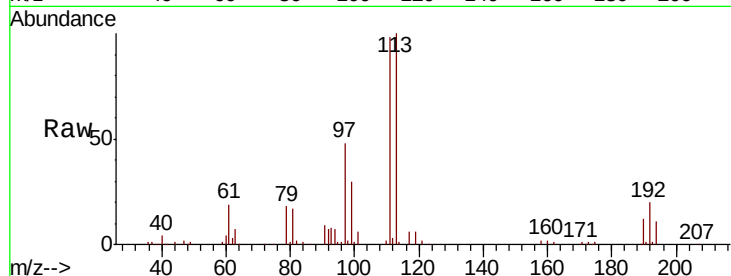




#35
 Dibromofluoromethane
 Concen: 53.176 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

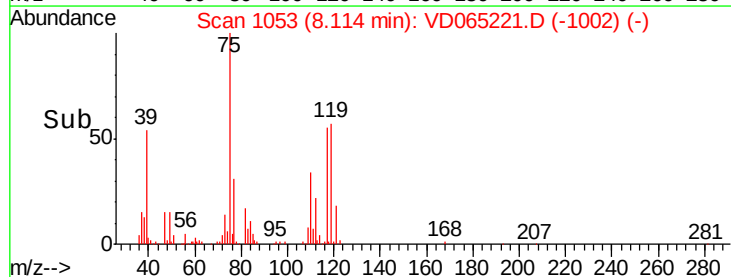
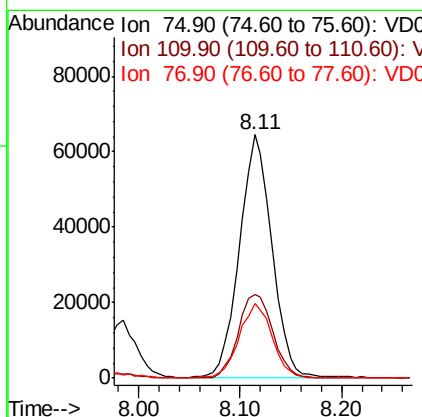
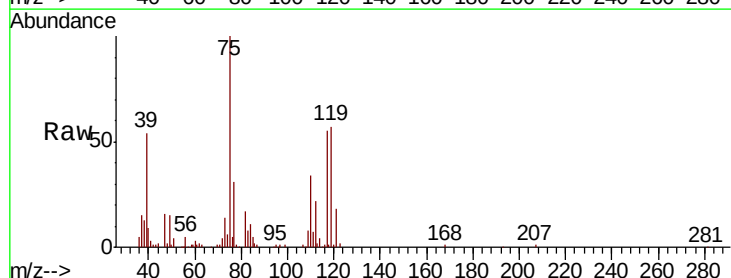
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

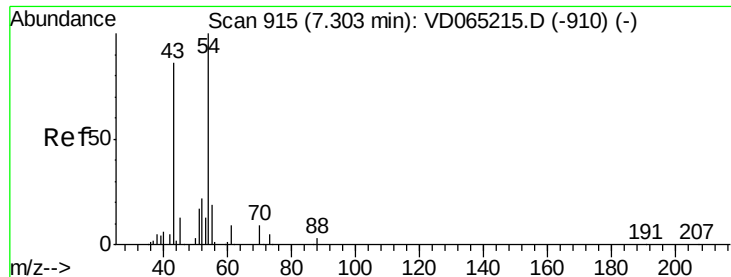
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.9	124.3
192	21.5	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 20.759 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	17.9	53.7
77	31.6	25.1	37.7

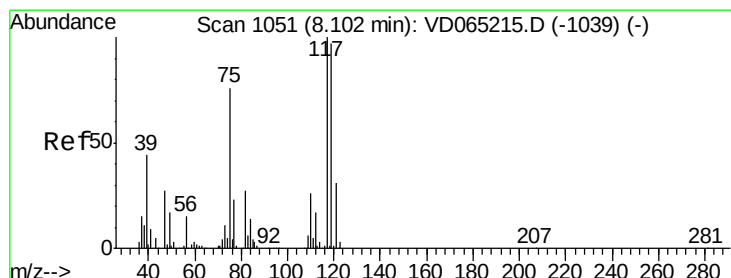
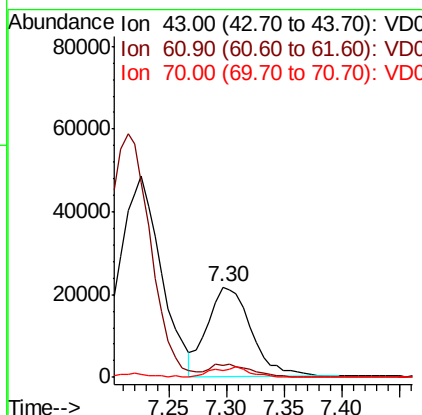
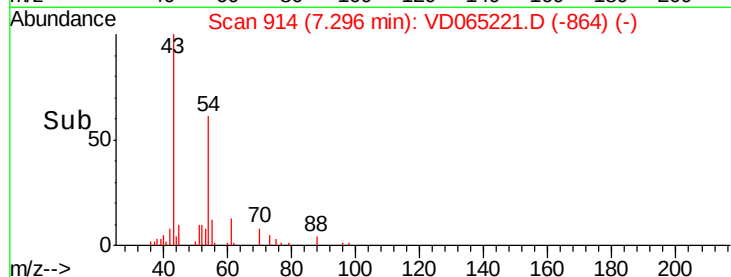
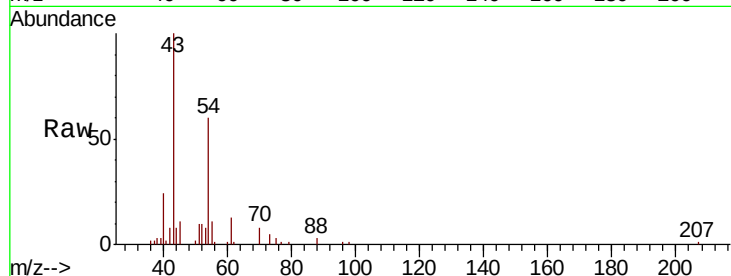




#37
Ethyl Acetate
Concen: 19.804 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

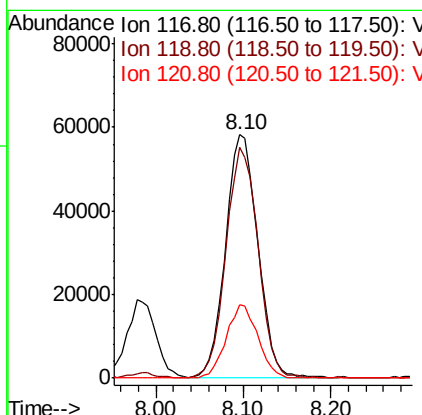
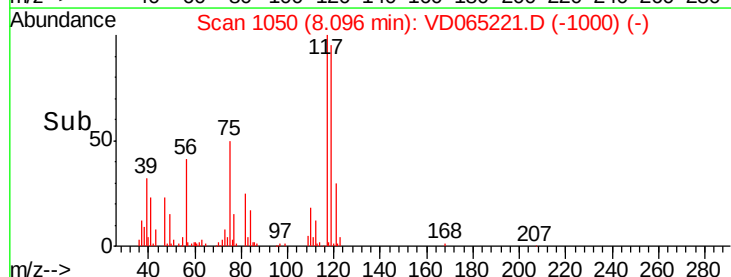
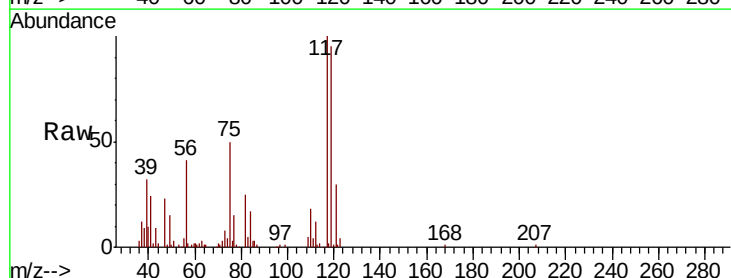
Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

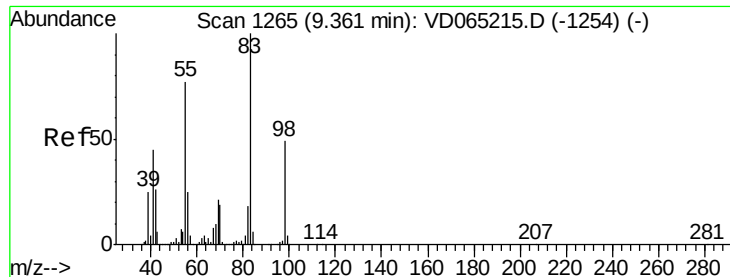
Tot Ion: 43 Resp: 56653
Ion Ratio Lower Upper
43 100
61 14.5 11.2 16.8
70 10.2 8.2 12.2



#38
Carbon Tetrachloride
Concen: 21.103 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Tgt Ion: 117 Resp: 147004
Ion Ratio Lower Upper
117 100
119 94.6 77.6 116.4
121 30.4 24.8 37.2

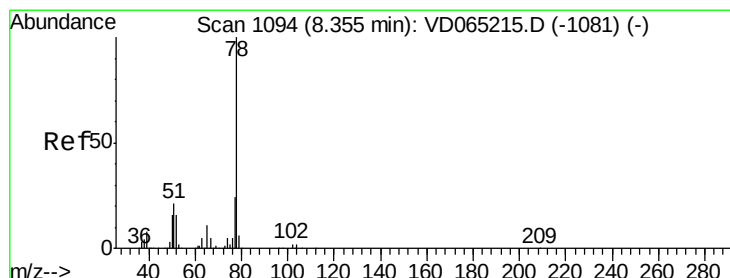
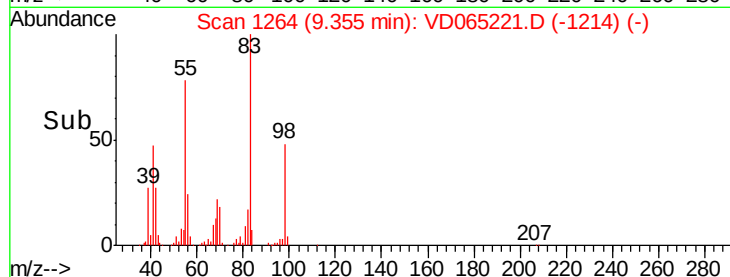
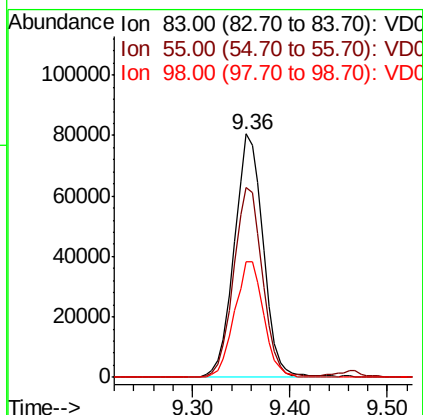
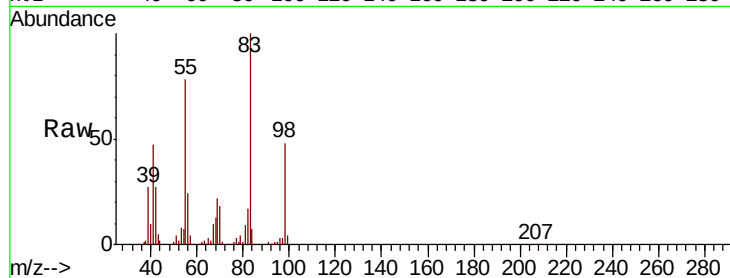




#39
Methylvlcyclohexane
Concen: 20.641 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

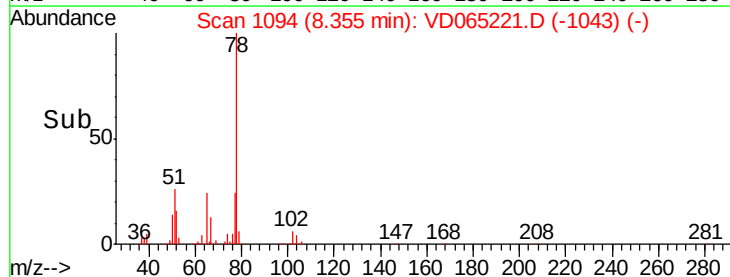
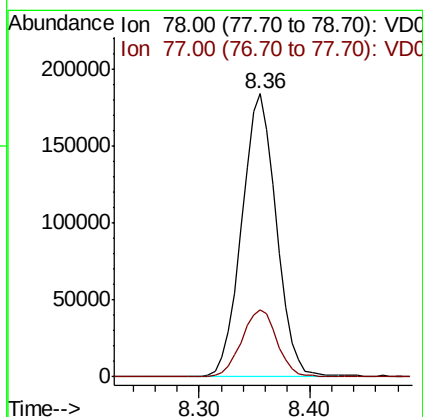
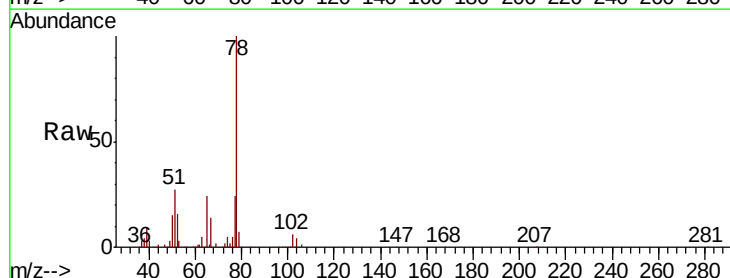
Instrument :
MSVOA_D
ClientSampleId :
VD0218SBSD01

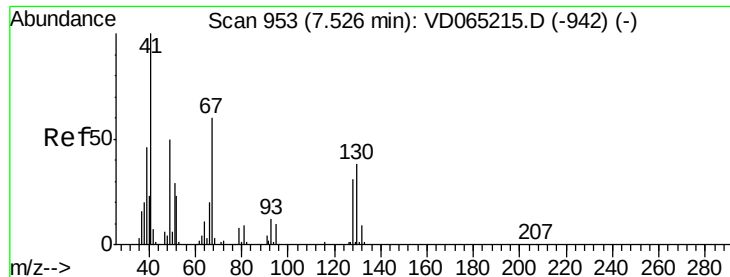
Tot Ion: 83 Resp: 166058
Ion Ratio Lower Upper
83 100
55 77.8 61.8 92.6
98 47.7 39.4 59.0



#40
Benzene
Concen: 20.969 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Tgt Ion: 78 Resp: 405011
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6

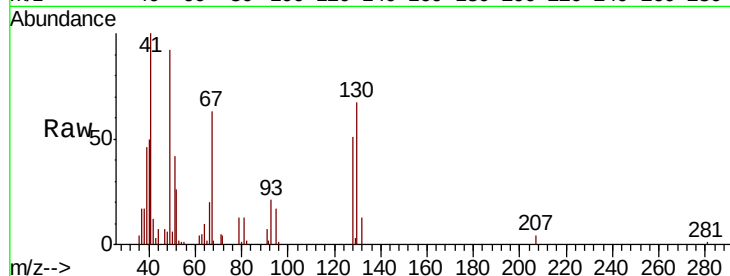




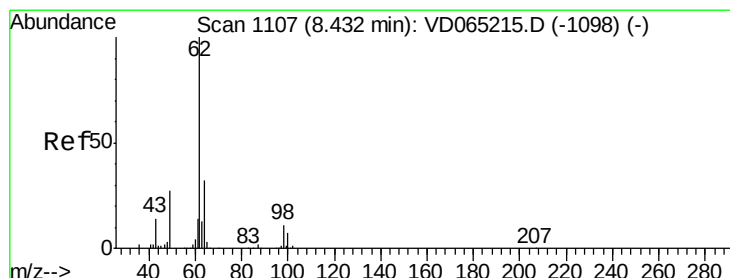
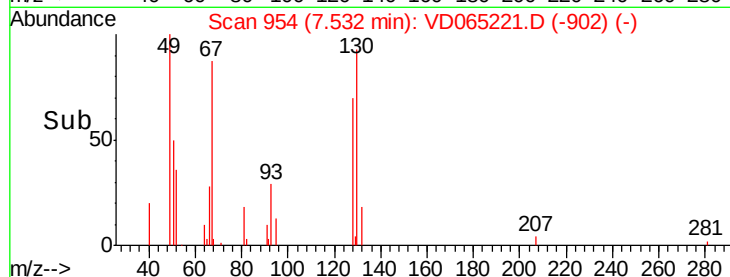
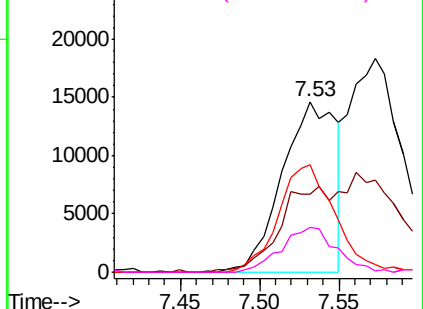
#41
Methacrylonitrile
Concen: 21.020 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion:	41	Resp:	34720
Ion	Ratio	Lower	Upper
41	100		
39	45.5	48.1	72.1#
67	66.1	58.9	88.3
52	26.7	24.2	36.2

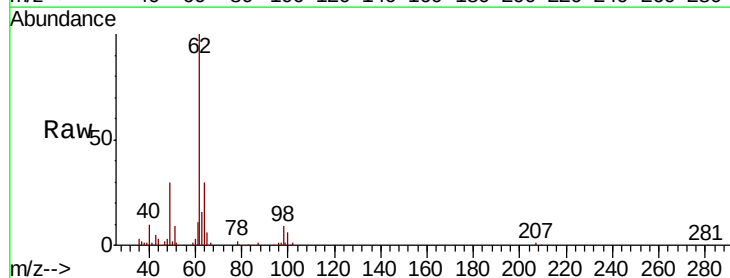


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

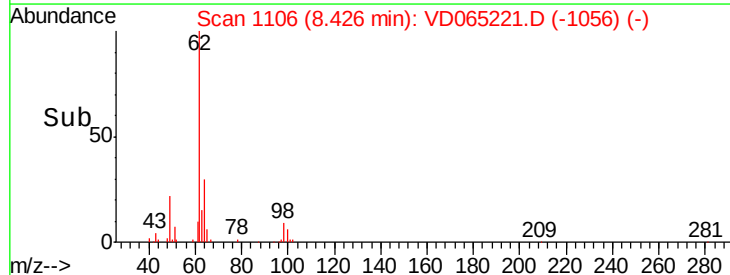
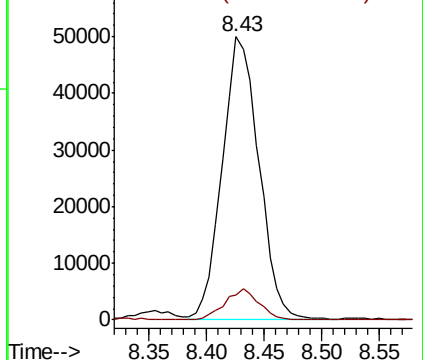


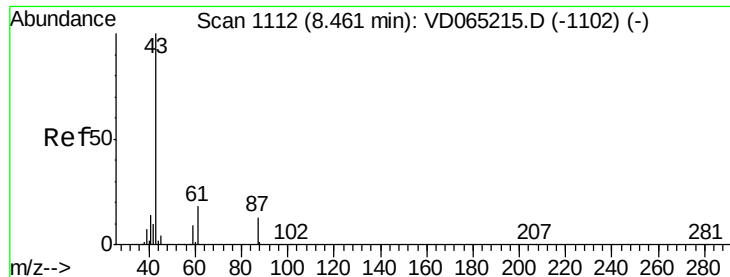
#42
1,2-Dichloroethane
Concen: 20.624 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Tgt Ion:	62	Resp:	109511
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 20.290 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

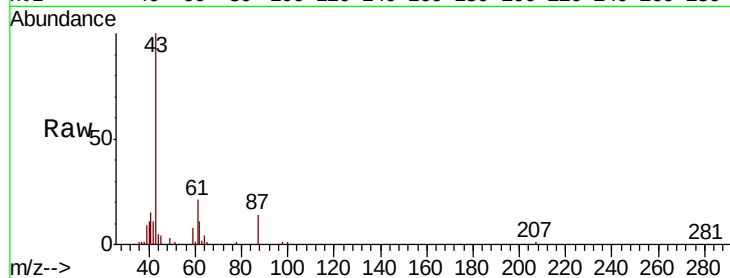
Tot Ion: 43 Resp: 105551

Ion Ratio Lower Upper

43 100

61 31.2 24.6 36.8

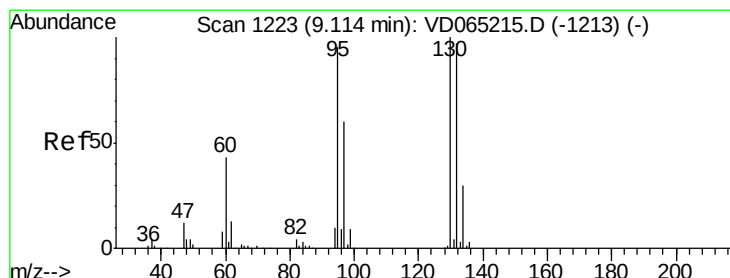
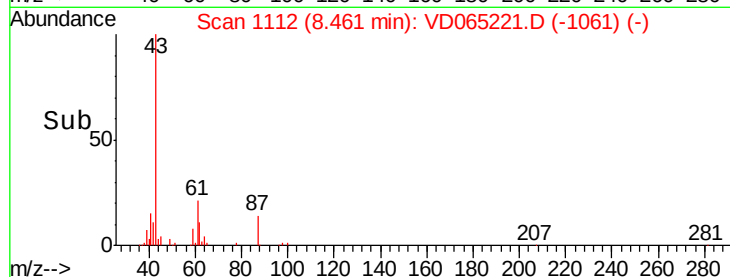
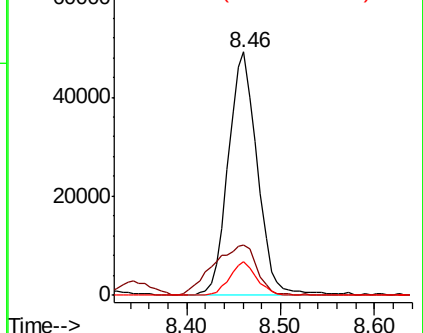
87 12.8 10.6 16.0



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: 21.057 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065221.D

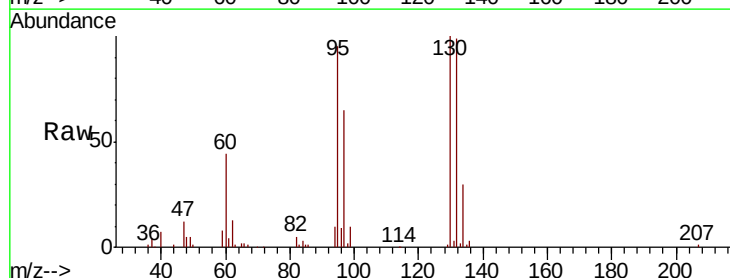
Acq: 18 Feb 2020 16:18

Tgt Ion:130 Resp: 112742

Ion Ratio Lower Upper

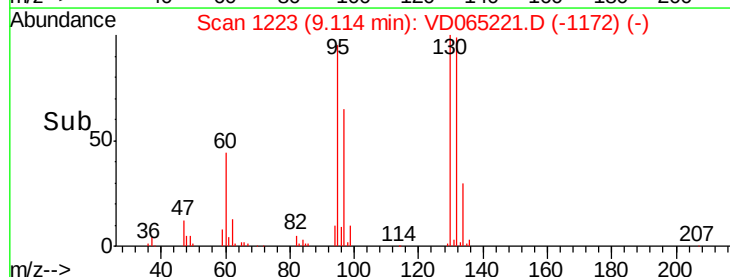
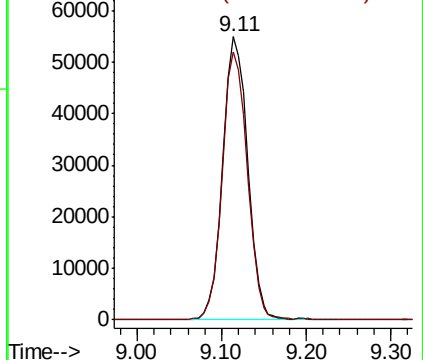
130 100

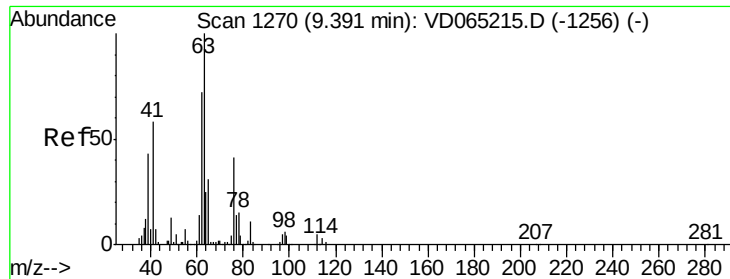
95 94.8 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

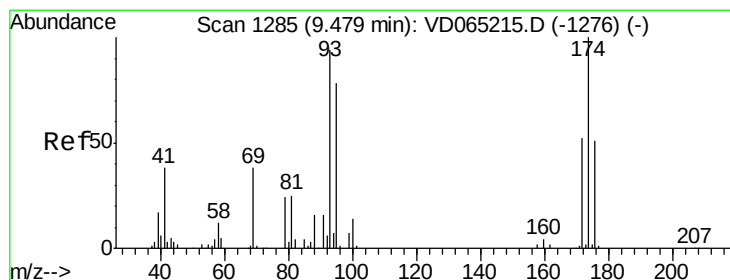
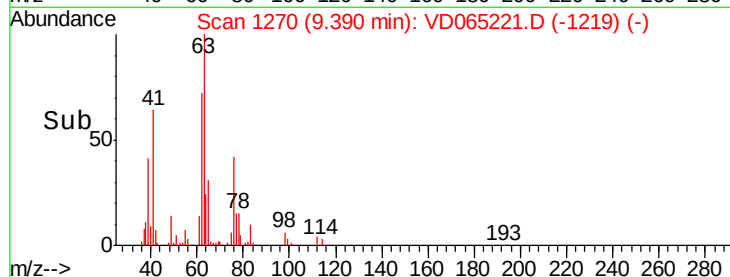
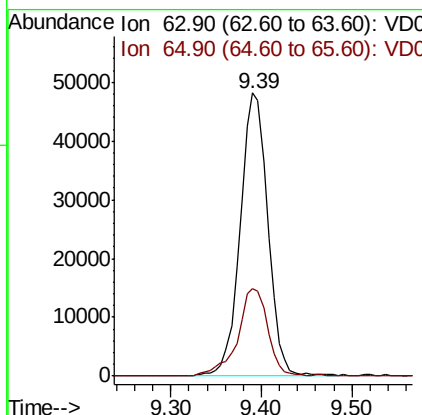
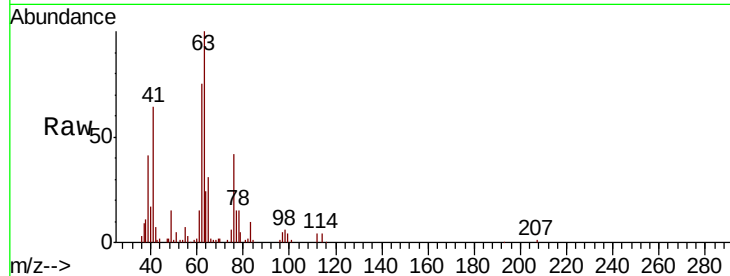




#45
 1,2-Dichloropropane
 Concen: 21.236 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

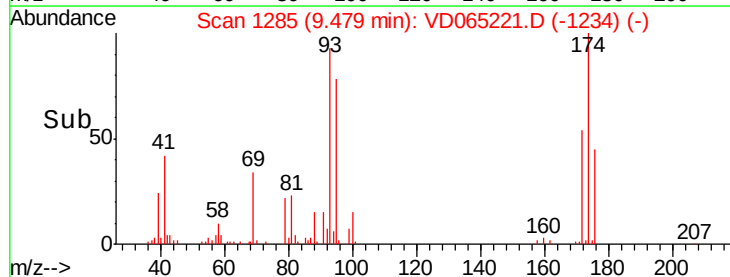
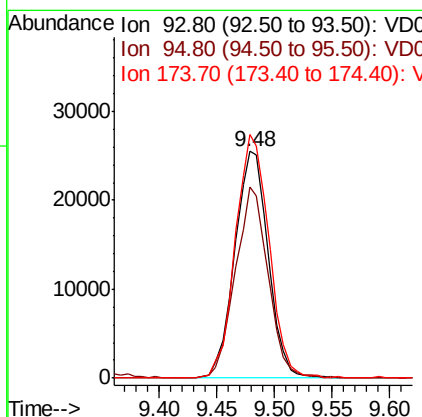
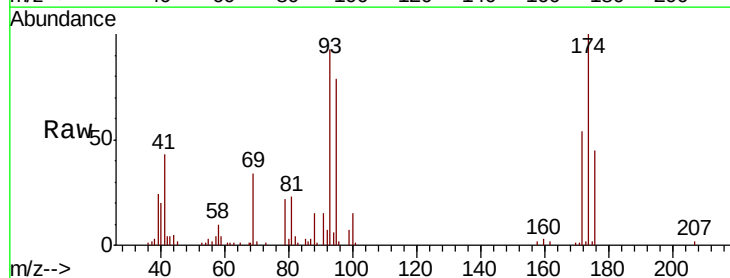
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBSD01

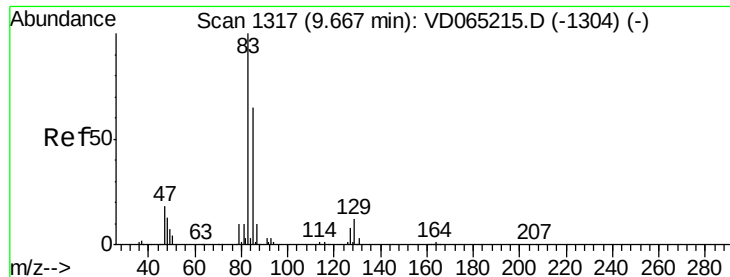
Tot Ion: 63 Resp: 101995
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.9 37.3



#46
 Dibromomethane
 Concen: 20.704 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Tgt Ion: 93 Resp: 51163
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.8 98.6
 174 108.3 86.8 130.2





#47

Bromodichloromethane

Concen: 20.659 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

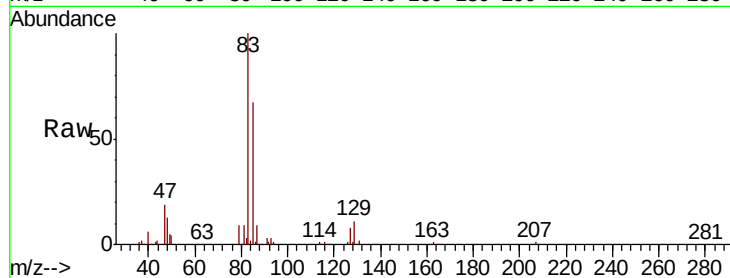
Tot Ion: 83 Resp: 134541

Ion Ratio Lower Upper

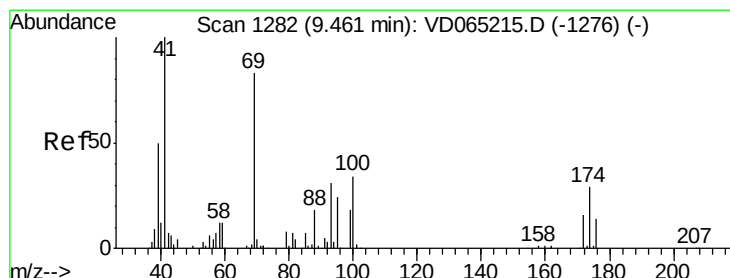
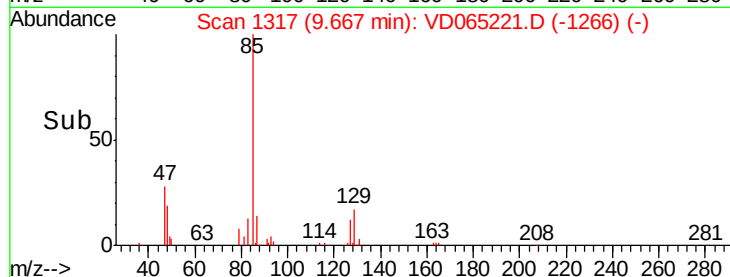
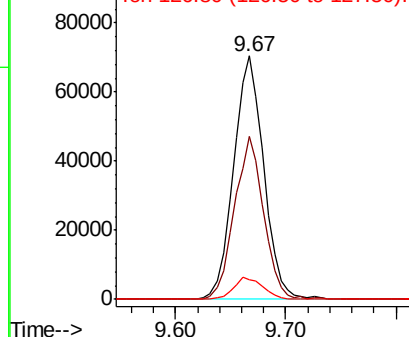
83 100

85 67.0 52.0 78.0

127 8.3 6.7 10.1



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: 20.946 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

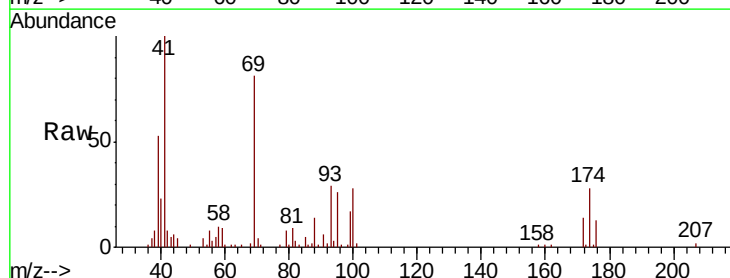
Tgt Ion: 41 Resp: 50367

Ion Ratio Lower Upper

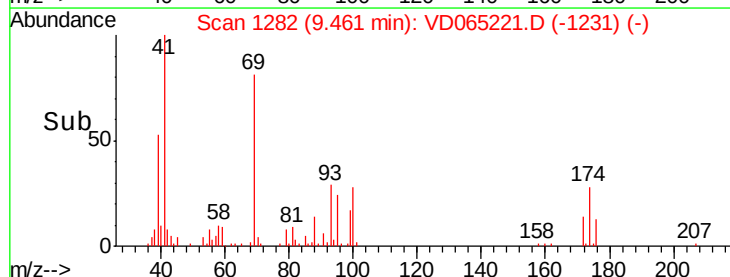
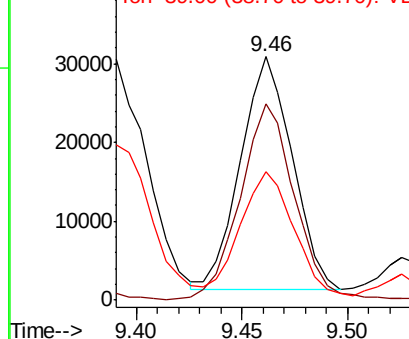
41 100

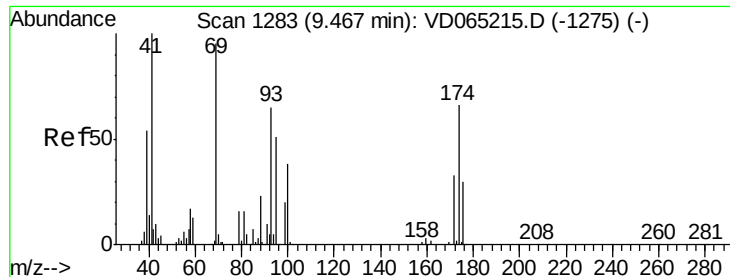
69 89.6 68.2 102.2

39 53.9 42.0 63.0



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: 386.399 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

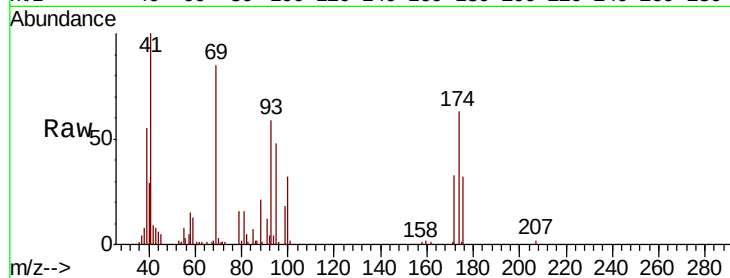
Tot Ion: 88 Resp: 11199

Ion Ratio Lower Upper

88 100

43 38.5 28.5 42.7

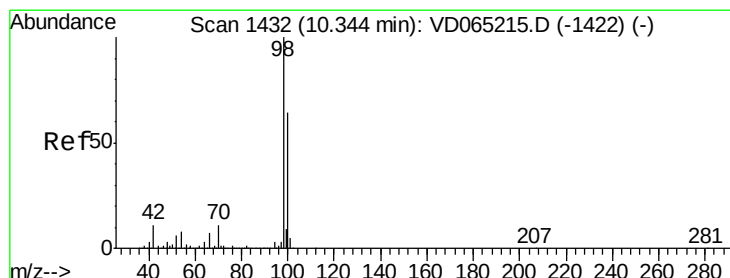
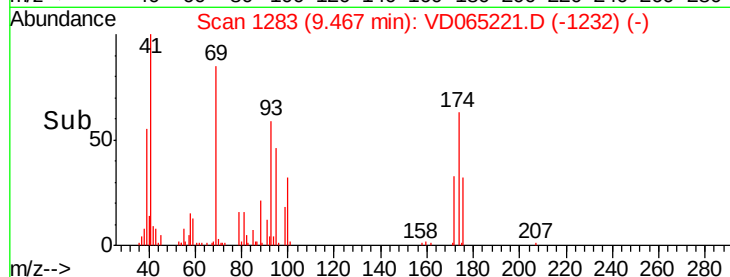
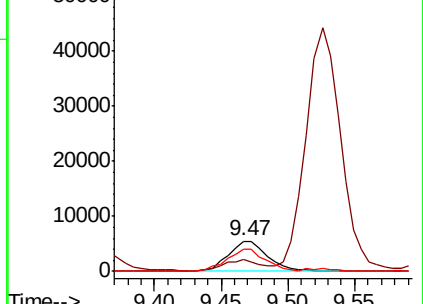
58 73.9 58.6 87.8



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: 55.010 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065221.D

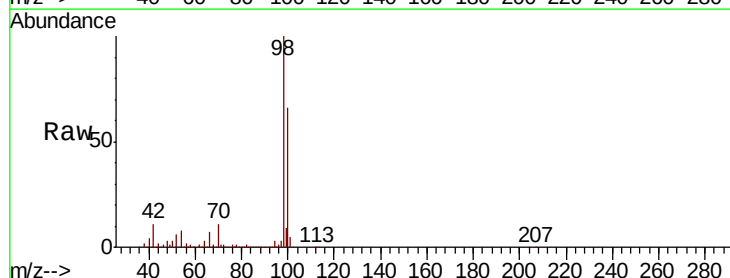
Acq: 18 Feb 2020 16:18

Tgt Ion: 98 Resp: 901810

Ion Ratio Lower Upper

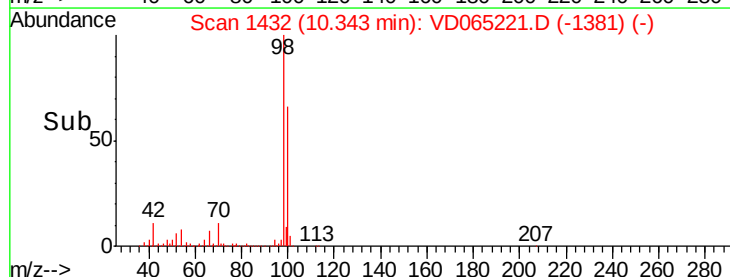
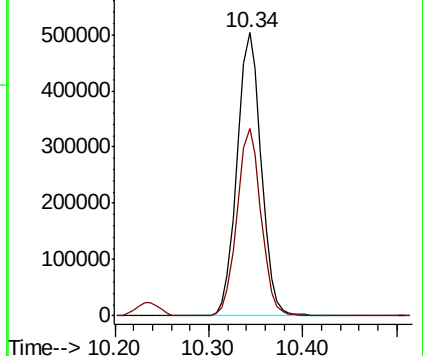
98 100

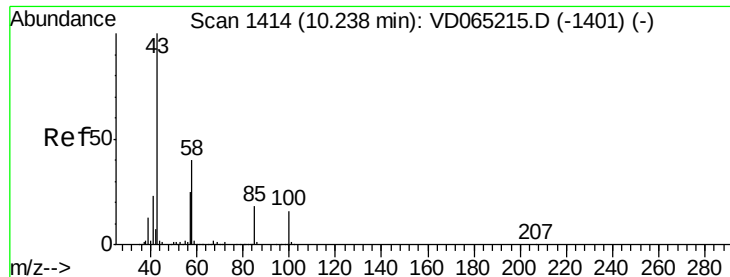
100 65.6 52.0 78.0



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: 100.348 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

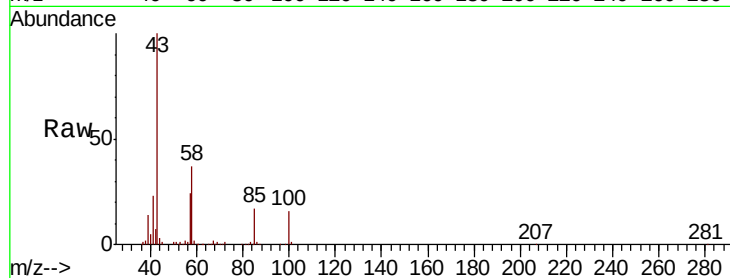
VD0218SBS01

Tot Ion: 43 Resp: 265139

Ion Ratio Lower Upper

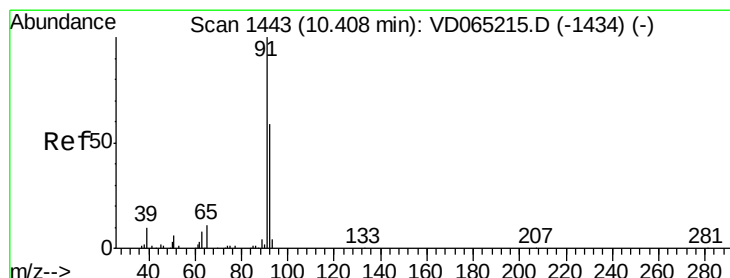
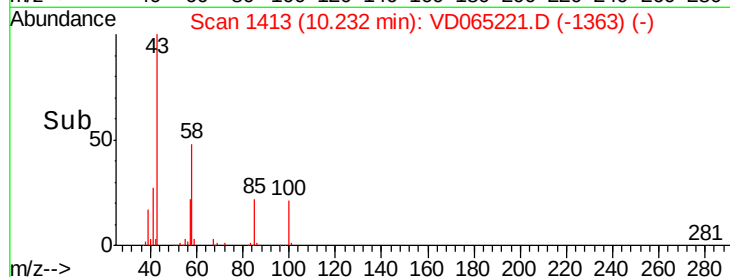
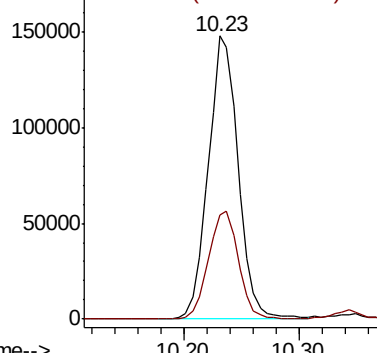
43 100

58 38.5 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.426 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065221.D

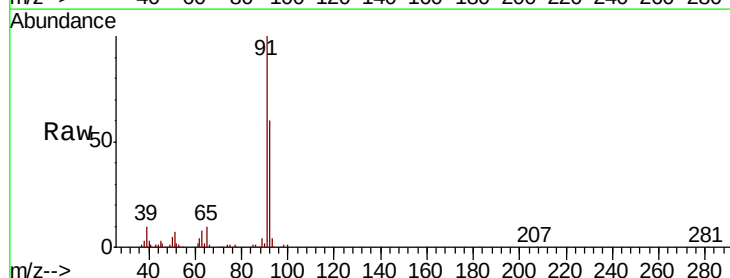
Acq: 18 Feb 2020 16:18

Tgt Ion: 92 Resp: 256159

Ion Ratio Lower Upper

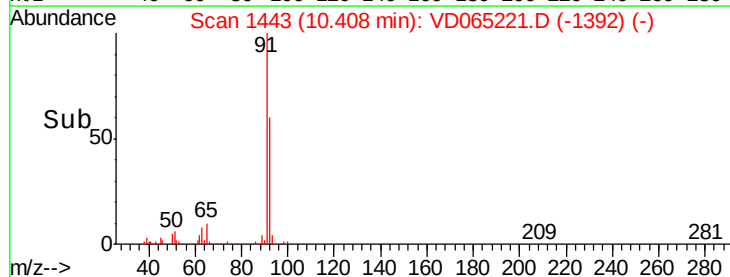
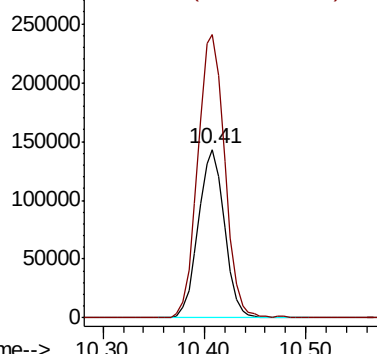
92 100

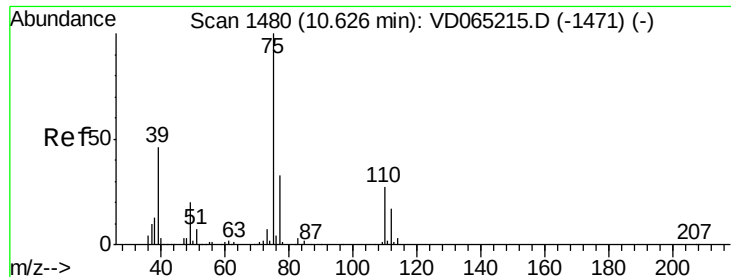
91 173.0 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.904 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

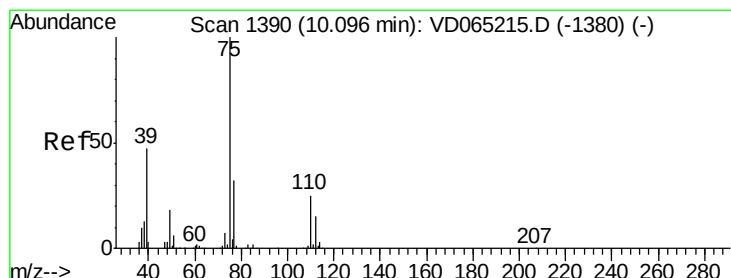
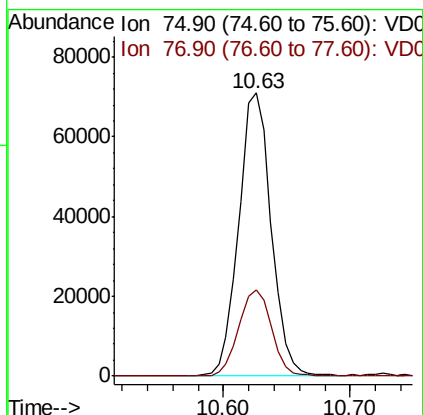
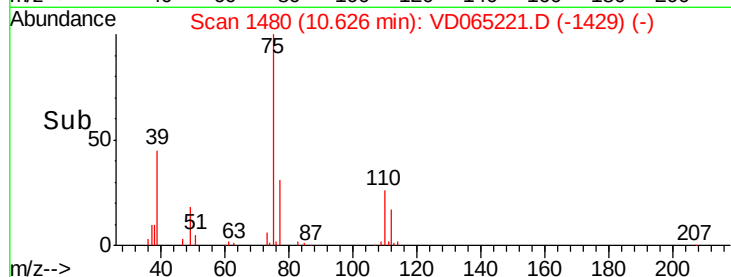
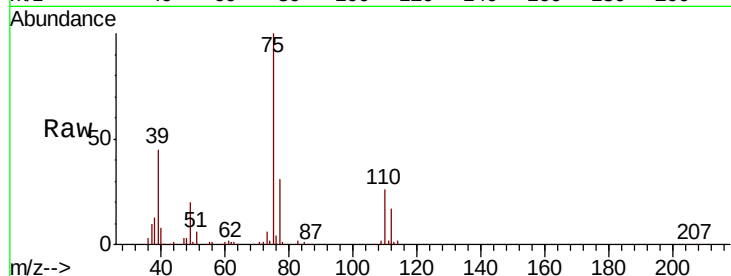
VD0218SBS01

Tot Ion: 75 Resp: 126187

Ion Ratio Lower Upper

75 100

77 30.5 26.6 40.0



#54

cis-1,3-Dichloropropene

Concen: 21.123 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

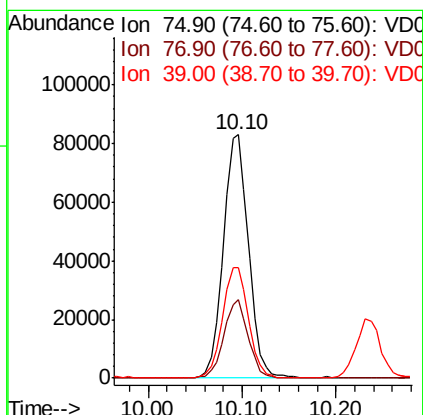
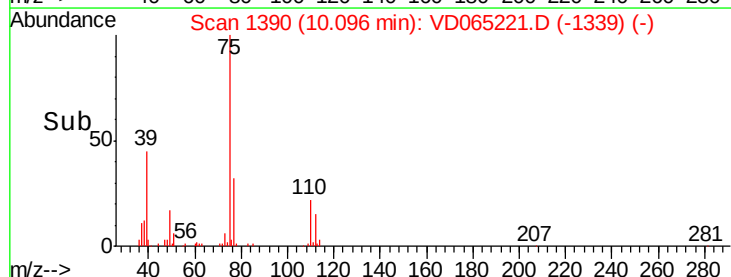
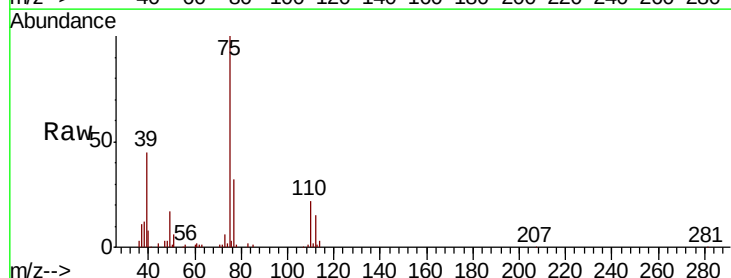
Tgt Ion: 75 Resp: 153971

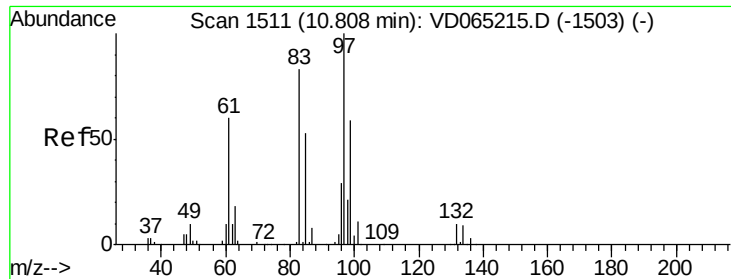
Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.8

39 45.2 37.3 55.9

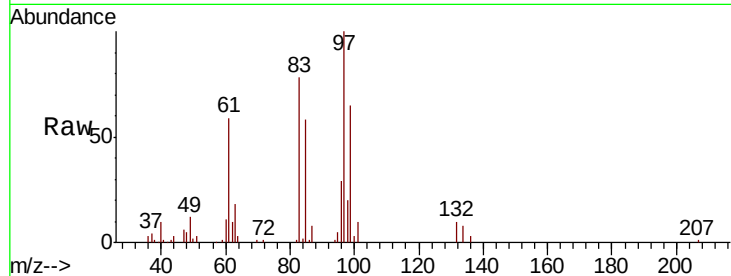




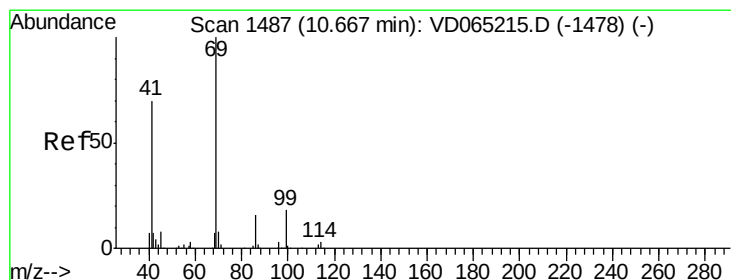
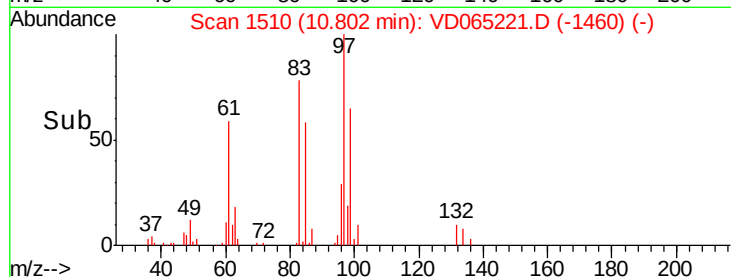
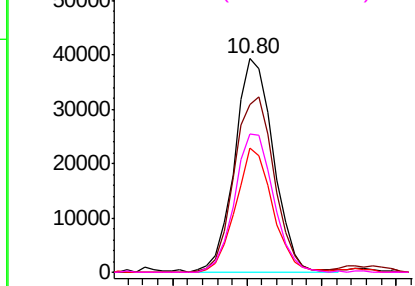
#55
 1,1,2-Trichloroethane
 Concen: 20.575 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

Tot Ion:	97	Resp:	71562
Ion	Ratio	Lower	Upper
97	100		
83	78.5	66.7	100.1
85	58.0	42.4	63.6
99	65.0	47.5	71.3

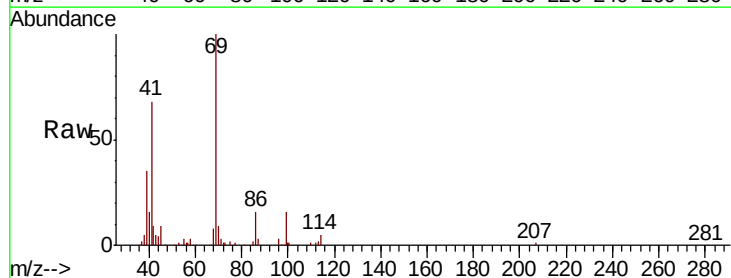


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

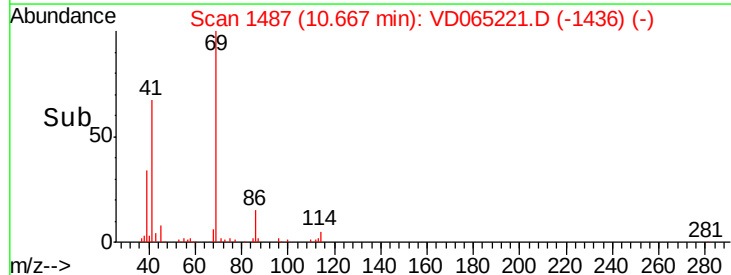
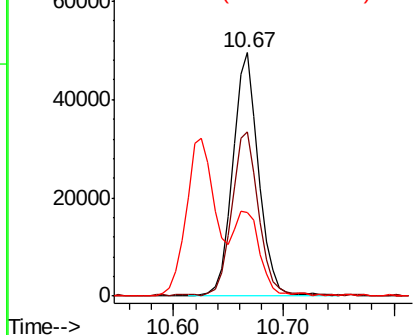


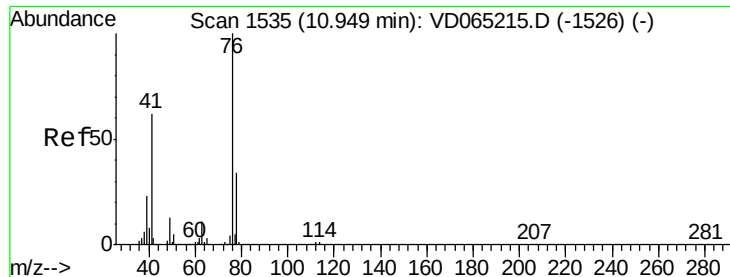
#56
 Ethyl methacrylate
 Concen: 20.265 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Tgt Ion:	69	Resp:	81354
Ion	Ratio	Lower	Upper
69	100		
41	70.7	54.6	81.8
39	34.2	26.5	39.7



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: 20.552 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

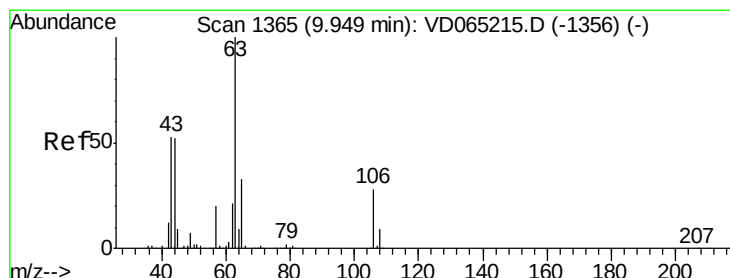
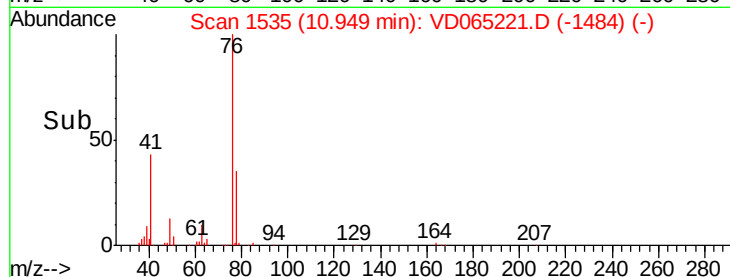
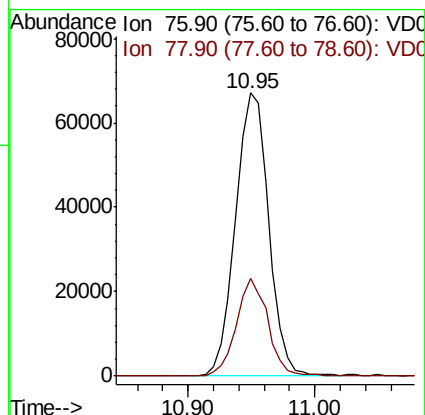
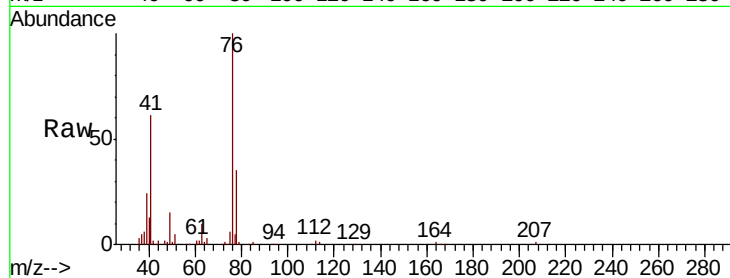
VD0218SBS01

Tot Ion: 76 Resp: 121665

Ion Ratio Lower Upper

76 100

78 32.8 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 99.474 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD065221.D

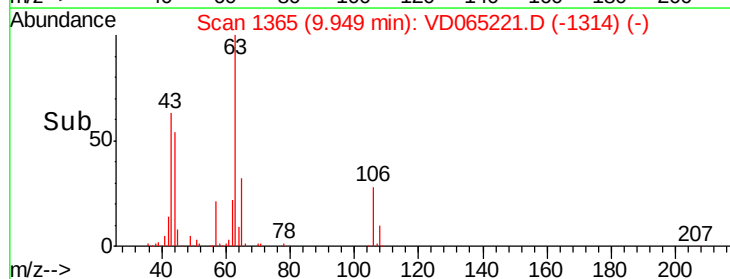
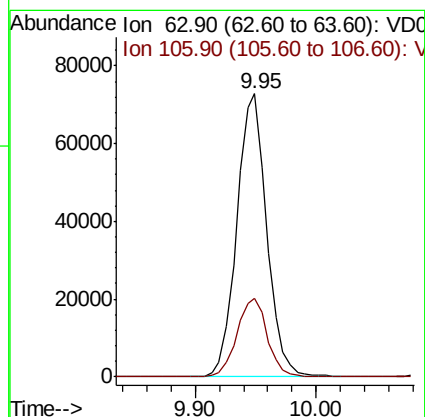
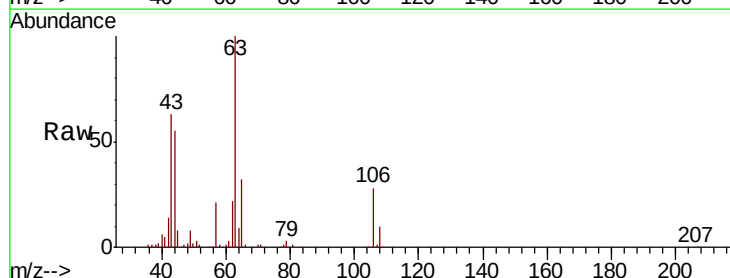
Acq: 18 Feb 2020 16:18

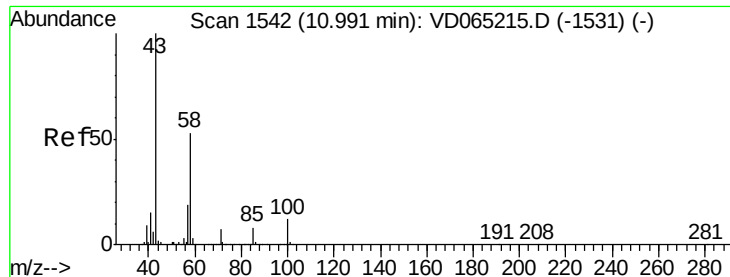
Tgt Ion: 63 Resp: 125902

Ion Ratio Lower Upper

63 100

106 28.1 22.8 34.2

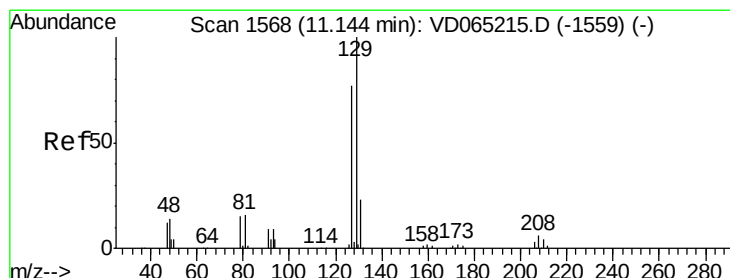
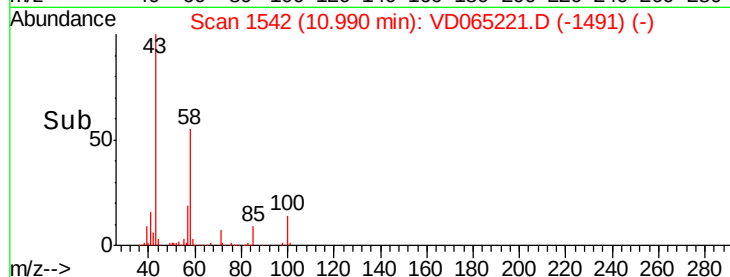
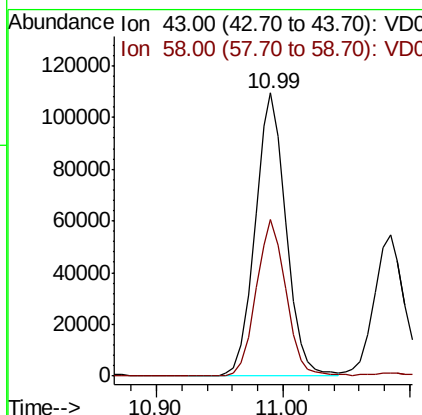
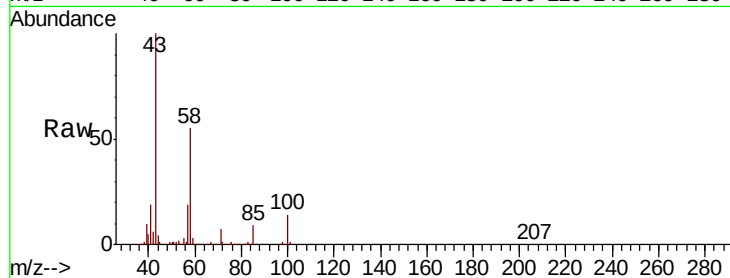




#59
2-Hexanone
Concen: 97.868 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

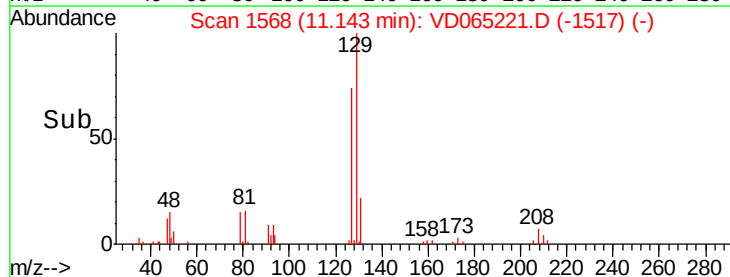
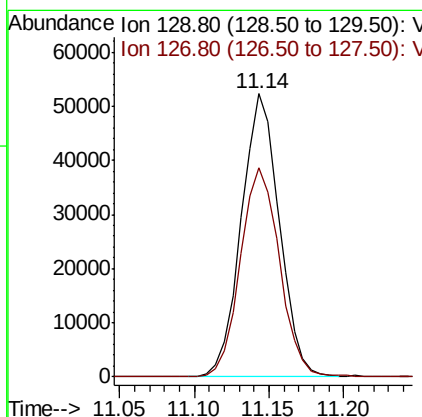
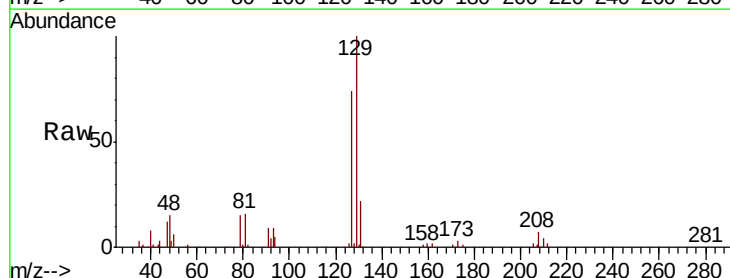
Instrument :
MSVOA_D
ClientSampleId :
VD0218SBSD01

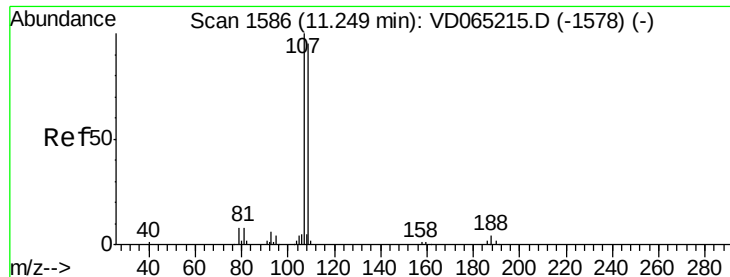
Tot Ion: 43 Resp: 185108
Ion Ratio Lower Upper
43 100
58 53.6 26.3 78.8



#60
Dibromochloromethane
Concen: 20.692 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Tgt Ion: 129 Resp: 92117
Ion Ratio Lower Upper
129 100
127 76.3 38.7 116.1

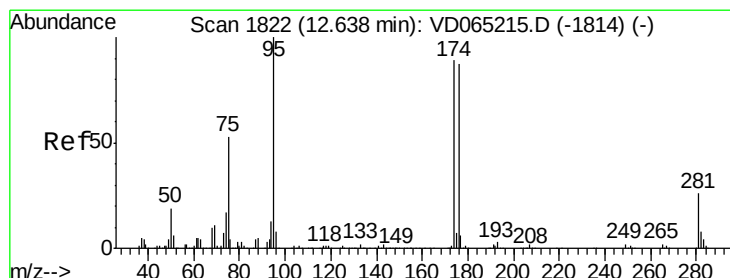
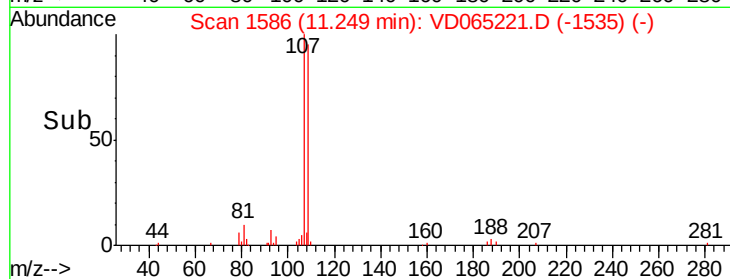
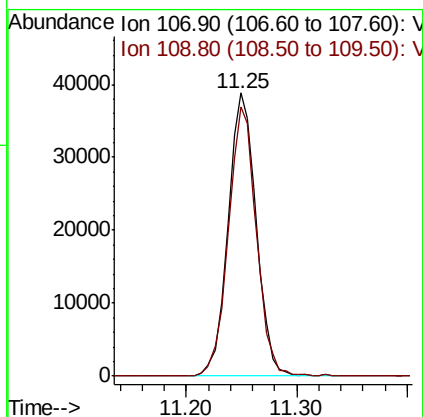
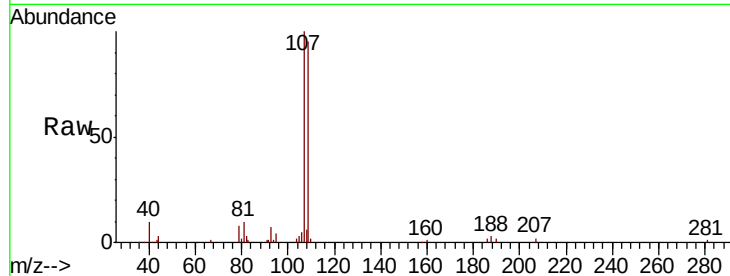




#61
 1,2-Dibromoethane
 Concen: 20.980 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

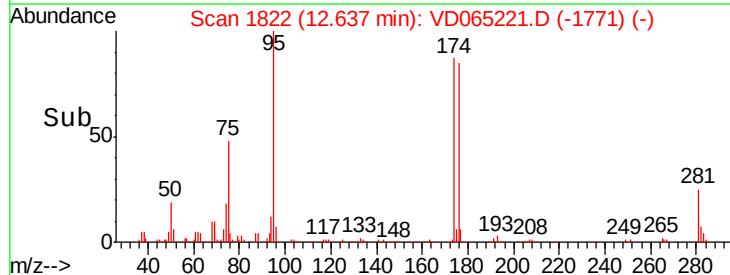
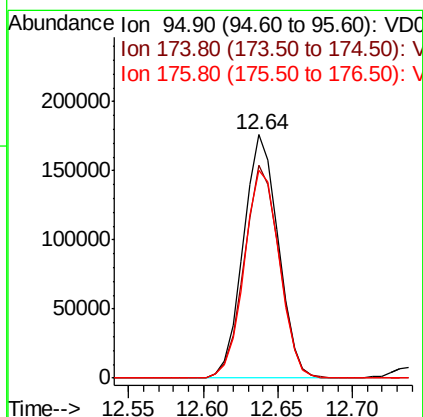
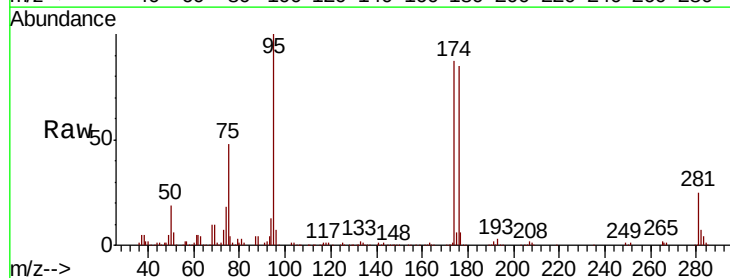
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBSD01

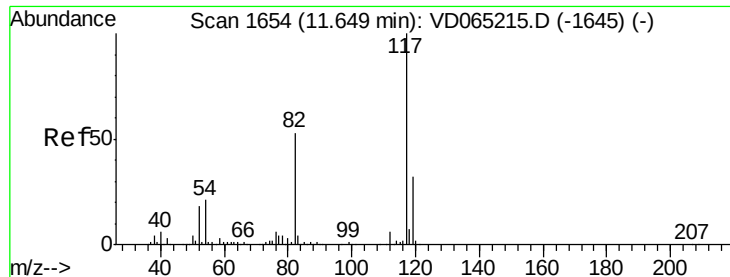
Tot Ion: 107 Resp: 69091
 Ion Ratio Lower Upper
 107 100
 109 94.7 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 54.899 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Tgt Ion: 95 Resp: 285110
 Ion Ratio Lower Upper
 95 100
 174 87.6 0.0 178.0
 176 86.0 0.0 174.4

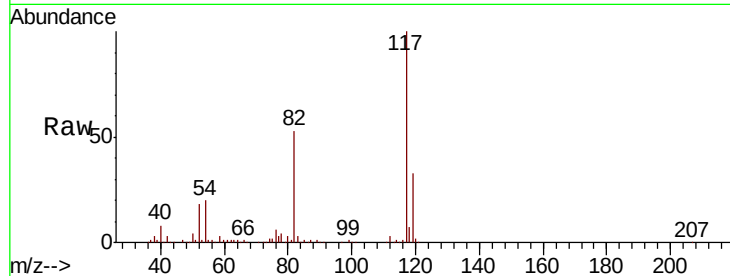




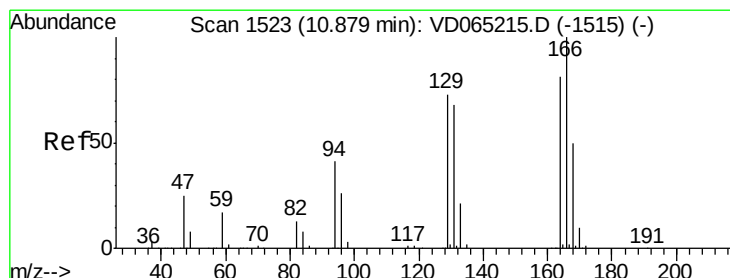
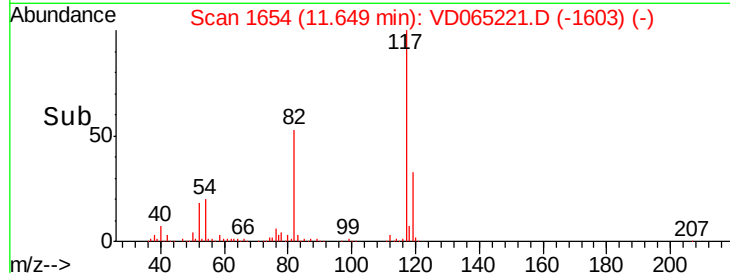
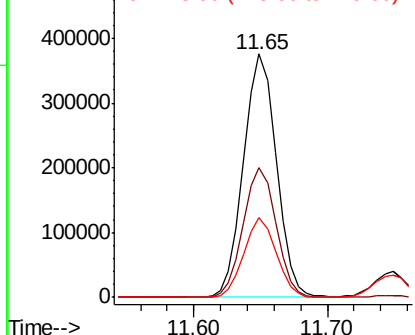
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion:117 Resp: 642156
Ion Ratio Lower Upper
117 100
82 53.2 42.7 64.1
119 32.8 25.5 38.3

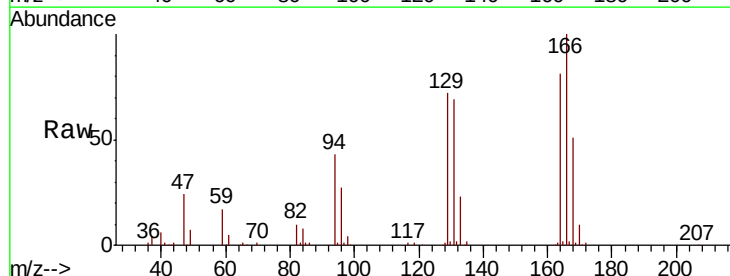


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

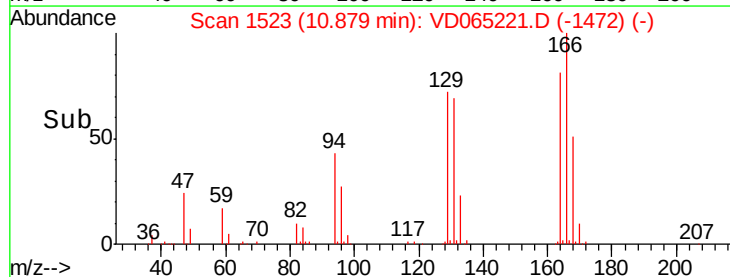
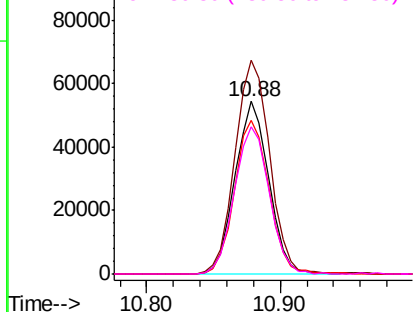


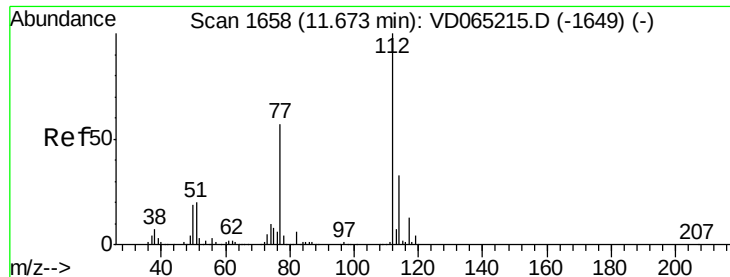
#64
Tetrachloroethene
Concen: 20.856 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Tgt Ion:164 Resp: 94986
Ion Ratio Lower Upper
164 100
166 123.9 98.4 147.6
129 89.5 71.6 107.4
131 85.6 67.3 100.9



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: 20.669 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

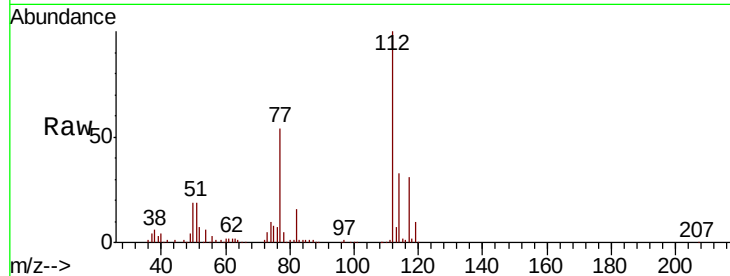
VD0218SBS01

Tot Ion:112 Resp: 266346

Ion Ratio Lower Upper

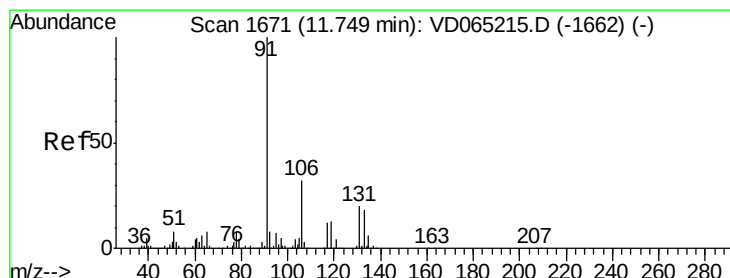
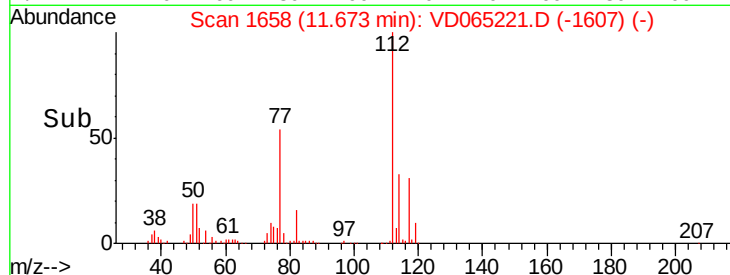
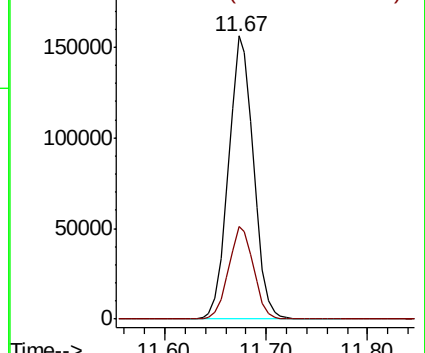
112 100

114 32.7 26.4 39.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.400 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

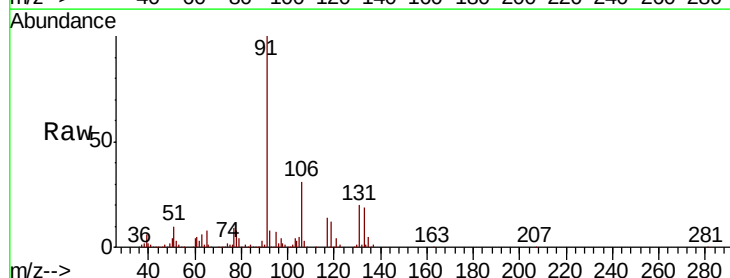
Tgt Ion:131 Resp: 98099

Ion Ratio Lower Upper

131 100

133 97.4 47.7 143.1

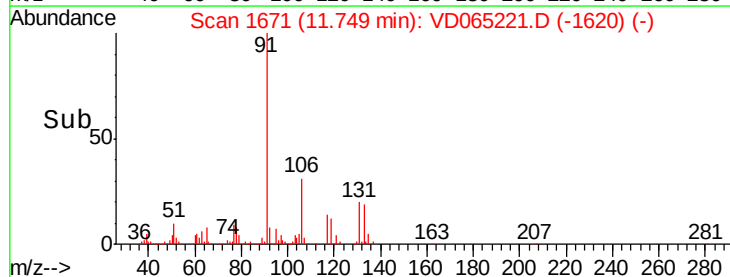
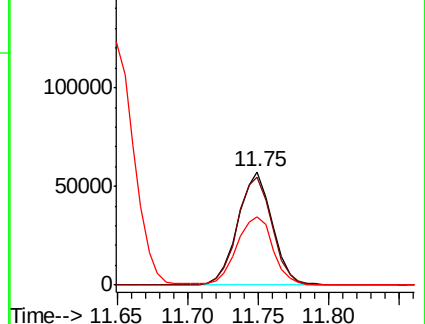
119 64.0 32.7 98.1

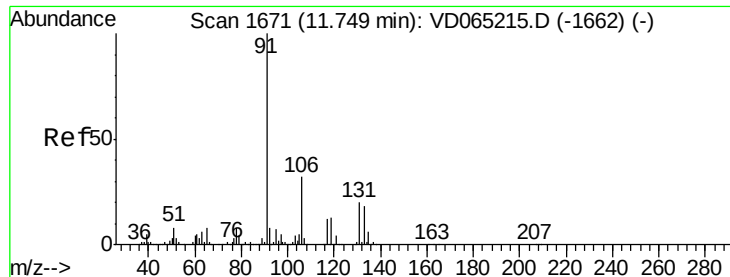


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 21.003 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

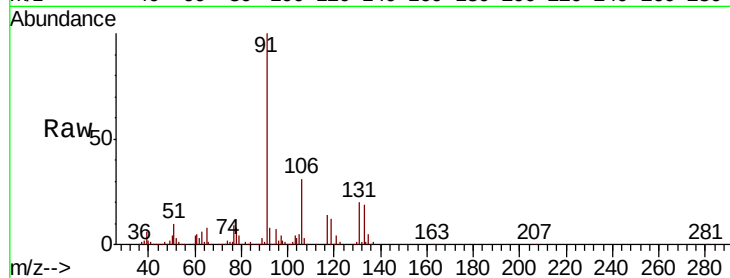
VD0218SBSD01

Tot Ion: 91 Resp: 474033

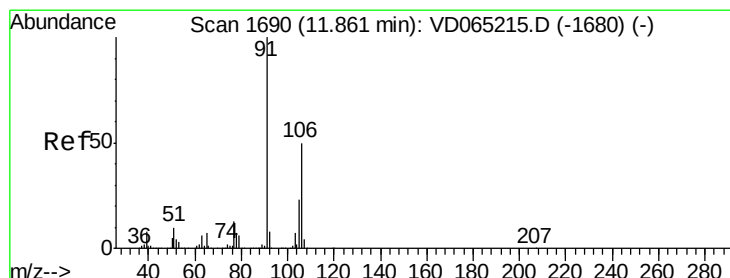
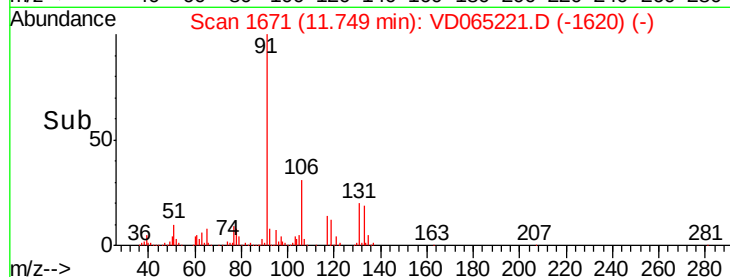
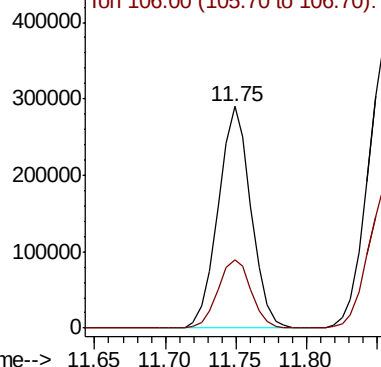
Ion Ratio Lower Upper

91 100

106 30.9 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 42.277 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065221.D

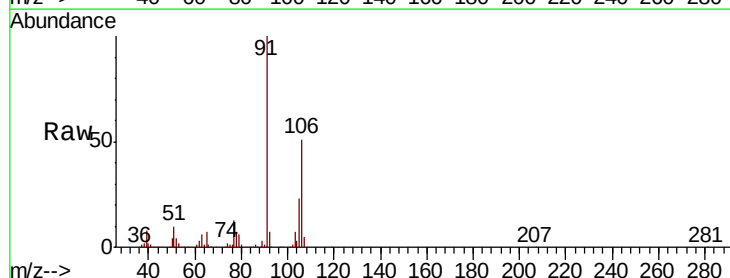
Acq: 18 Feb 2020 16:18

Tgt Ion: 106 Resp: 365051

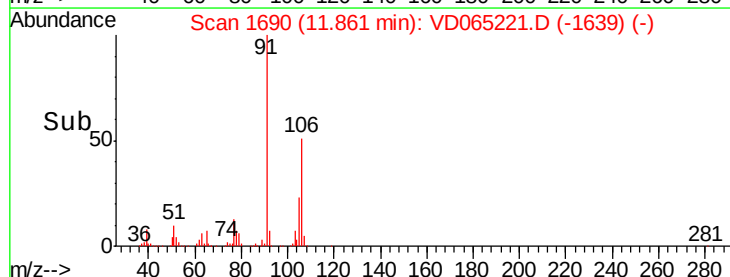
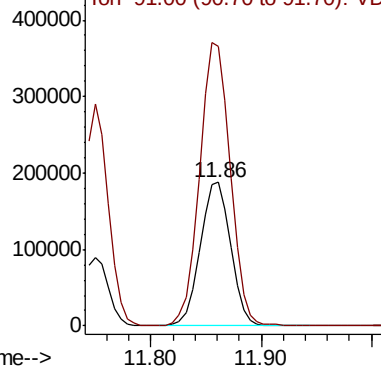
Ion Ratio Lower Upper

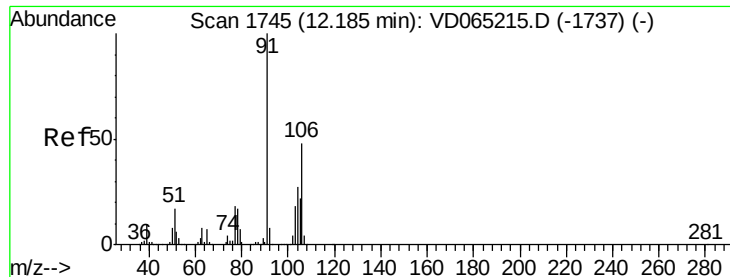
106 100

91 198.0 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): V

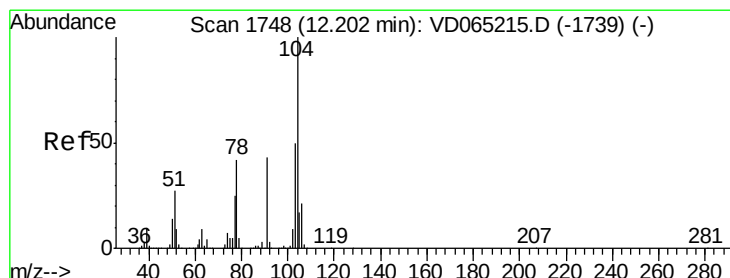
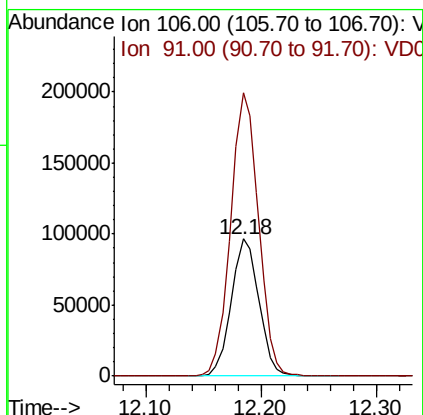
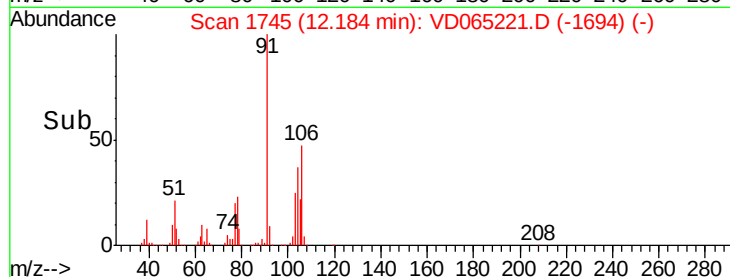
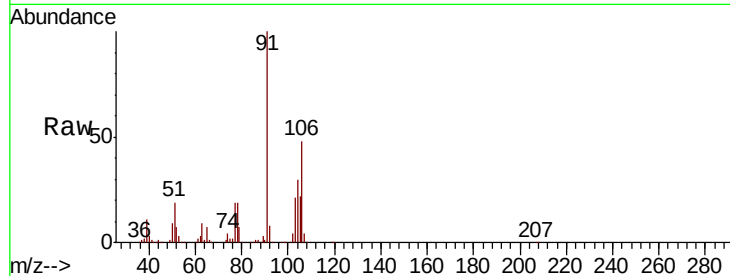




#69
o-Xylene
Concen: 20.928 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

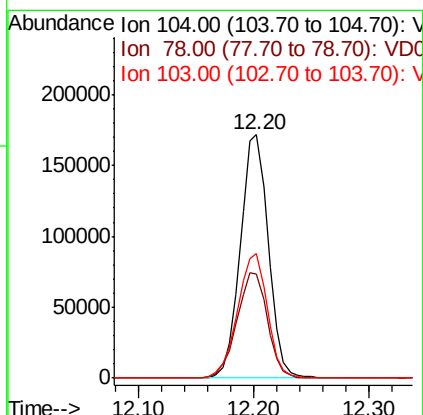
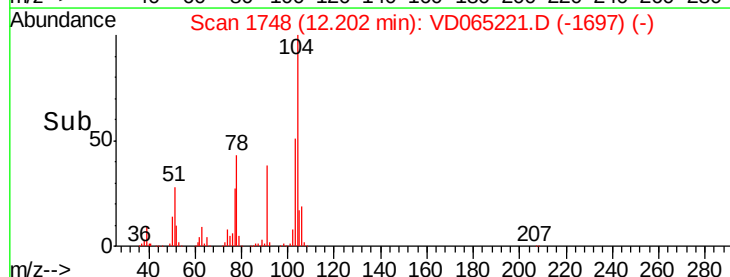
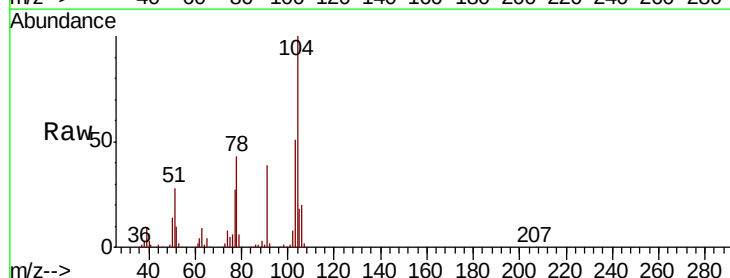
Instrument :
MSVOA_D
ClientSampleId :
VD0218SBSD01

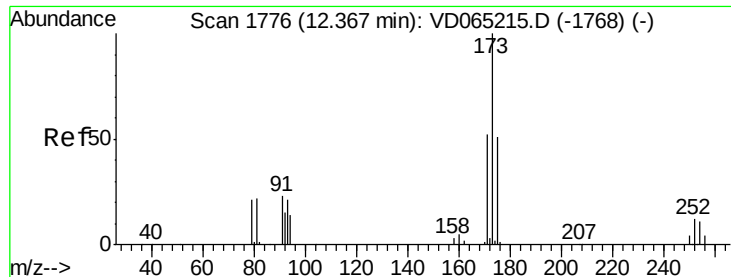
Tot Ion:106 Resp: 160103
Ion Ratio Lower Upper
106 100
91 208.1 104.7 313.9



#70
Styrene
Concen: 21.289 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Tgt Ion:104 Resp: 289154
Ion Ratio Lower Upper
104 100
78 47.2 37.8 56.6
103 54.5 43.4 65.2





#71

Bromoform

Concen: 19.855 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

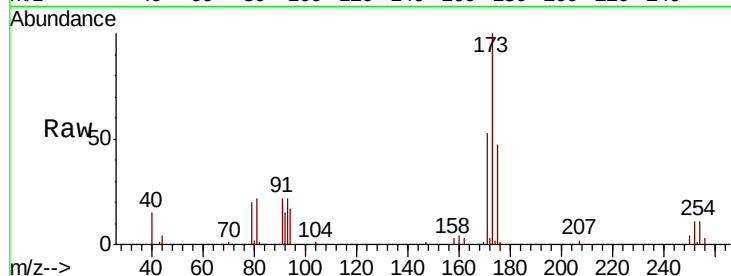
Tot Ion:173 Resp: 52982

Ion Ratio Lower Upper

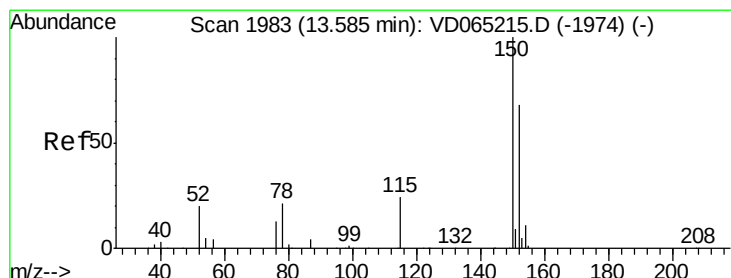
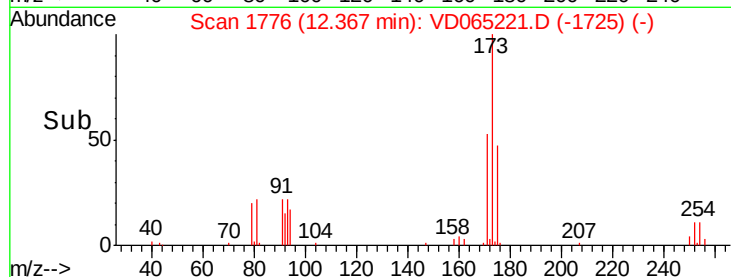
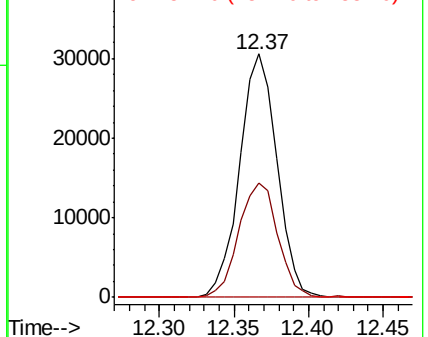
173 100

175 49.0 24.4 73.4

254 0.0 0.0 0.0



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: VD065221.D

Acq: 18 Feb 2020 16:18

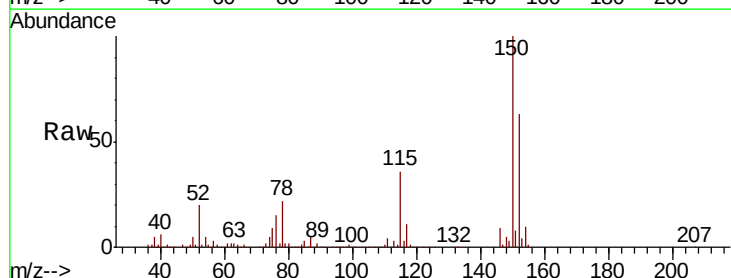
Tgt Ion:152 Resp: 313257

Ion Ratio Lower Upper

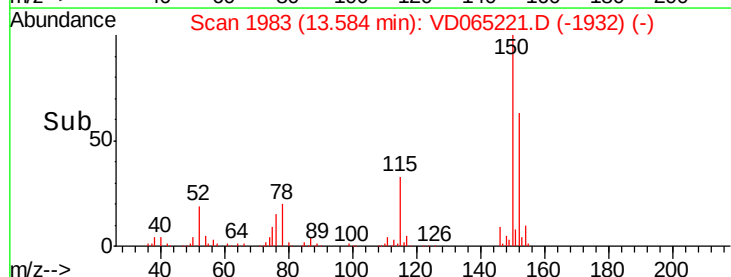
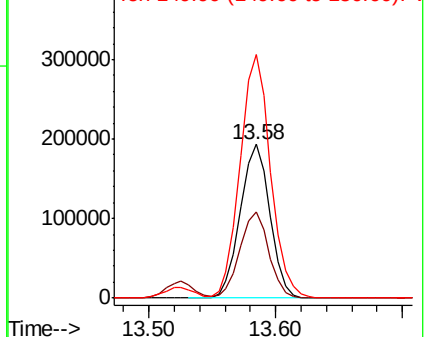
152 100

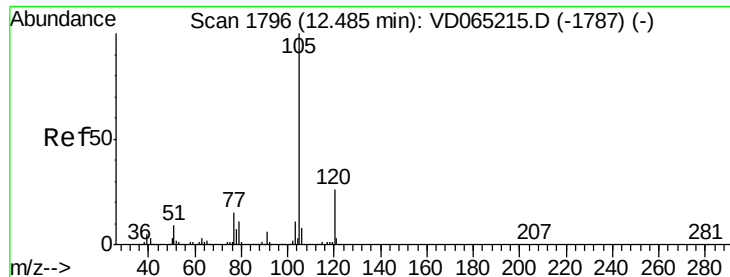
115 54.7 27.6 82.8

150 162.3 0.0 347.4



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: 20.962 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

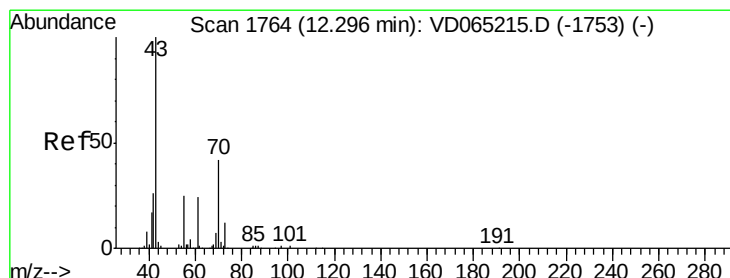
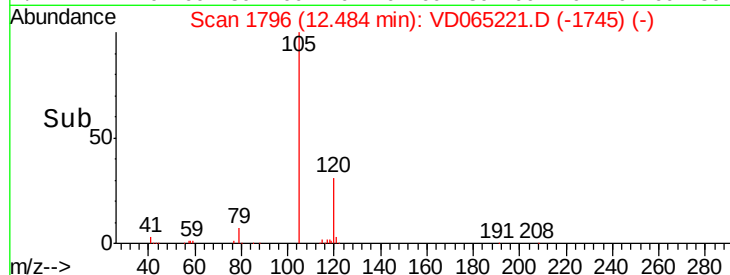
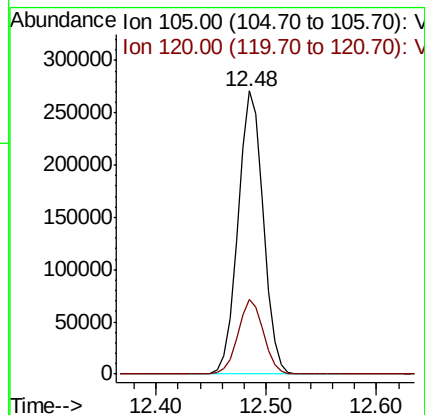
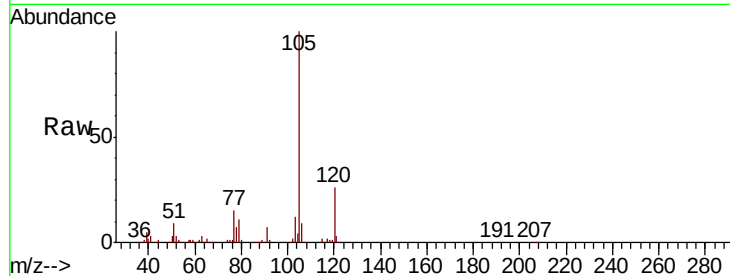
VD0218SBS01

Tot Ion:105 Resp: 434739

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.9



#74

N-ethyl acetate

Concen: 20.215 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Tgt Ion: 43 Resp: 93156

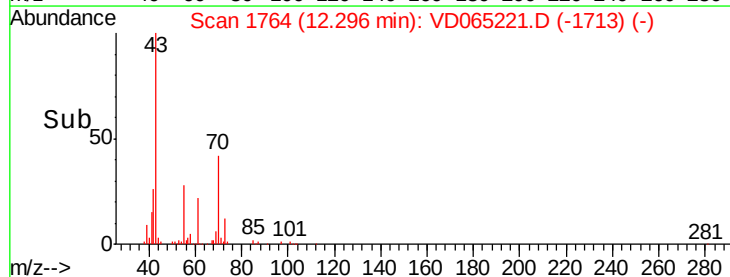
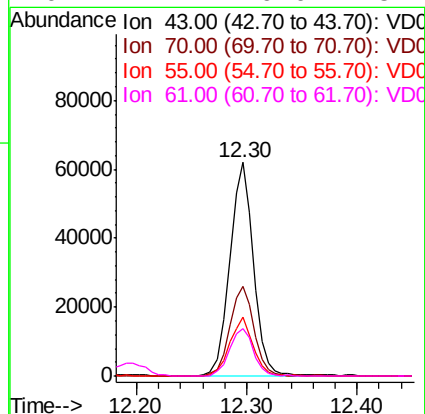
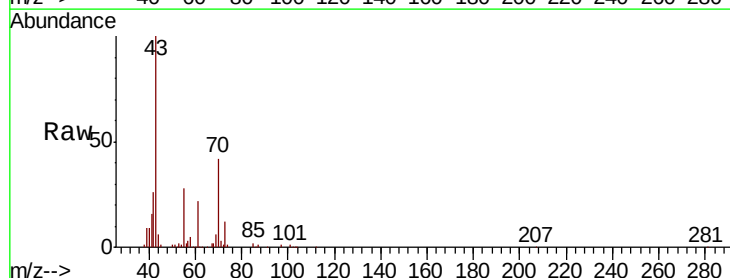
Ion Ratio Lower Upper

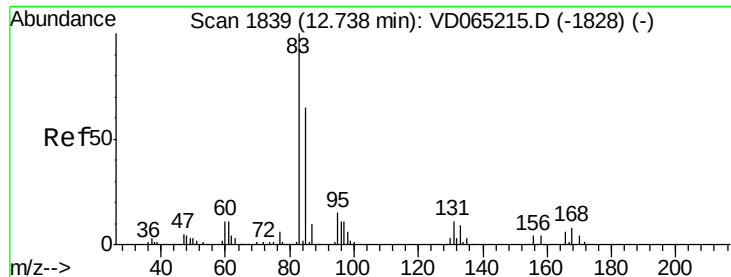
43 100

70 42.6 33.7 50.5

55 27.0 20.7 31.1

61 22.4 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.217 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

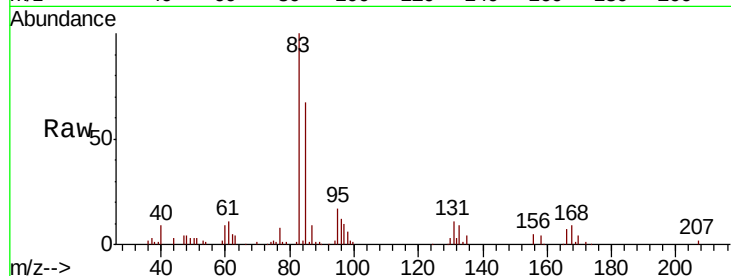
Tot Ion: 83 Resp: 75673

Ion Ratio Lower Upper

83 100

131 11.3 5.4 16.2

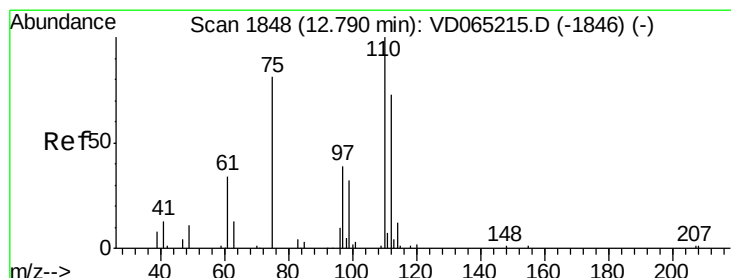
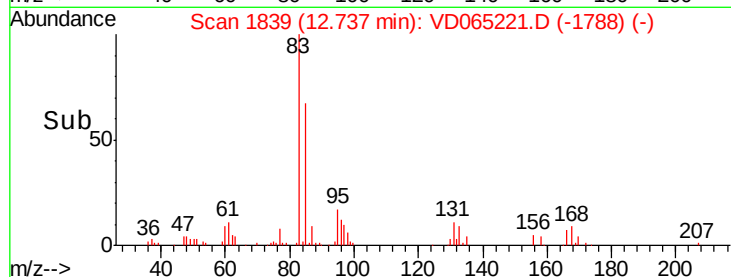
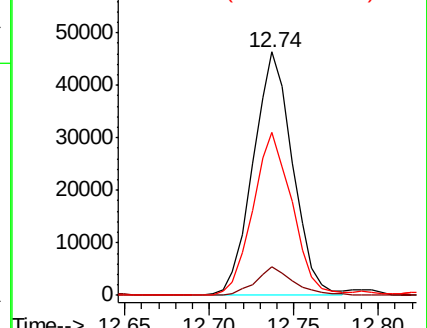
85 67.2 31.6 94.8



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: 36.963 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065221.D

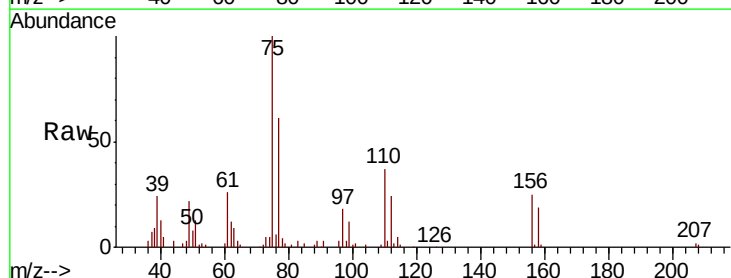
Acq: 18 Feb 2020 16:18

Tgt Ion: 75 Resp: 98516

Ion Ratio Lower Upper

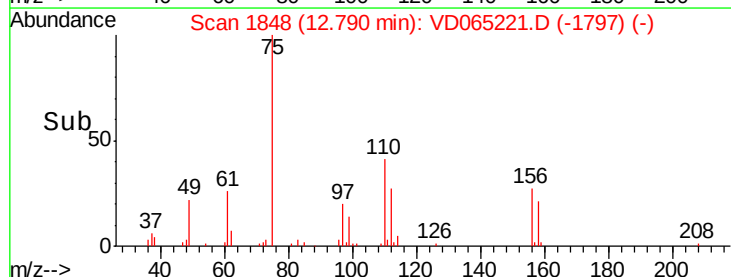
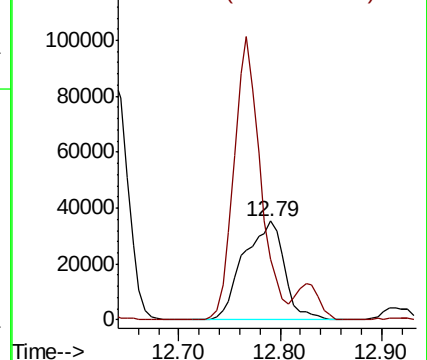
75 100

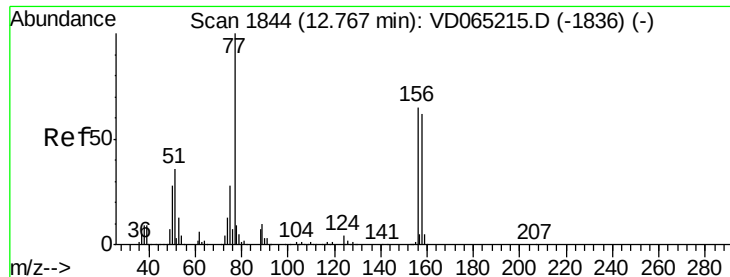
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.952 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

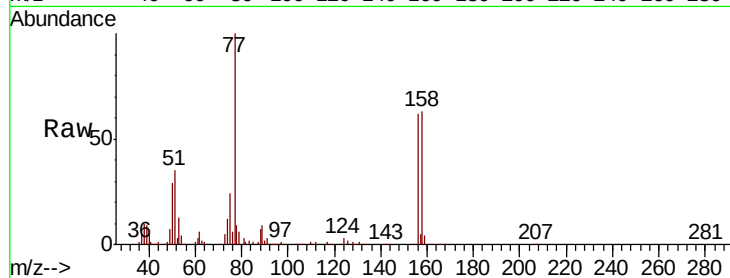
Tot Ion:156 Resp: 107899

Ion Ratio Lower Upper

156 100

77 171.3 86.6 259.7

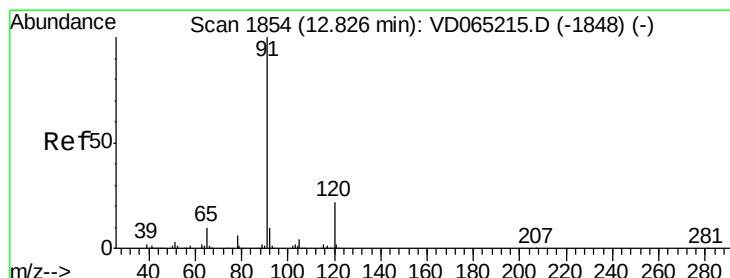
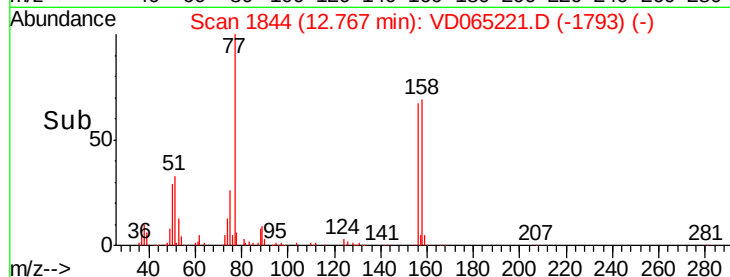
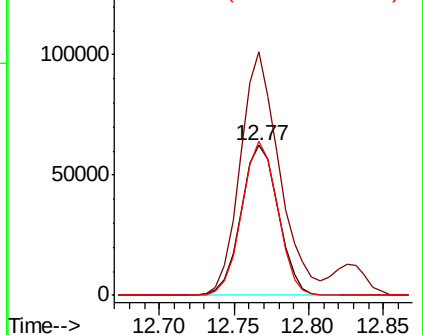
158 98.1 48.1 144.3



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: 21.367 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065221.D

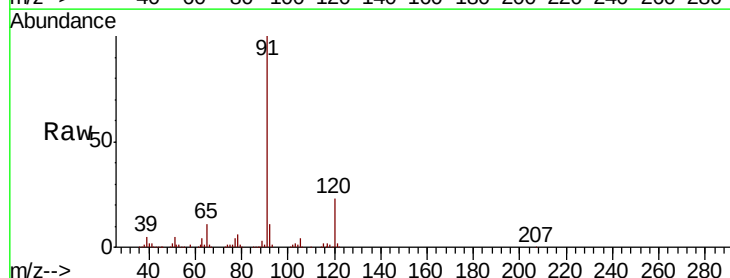
Acq: 18 Feb 2020 16:18

Tgt Ion: 91 Resp: 532522

Ion Ratio Lower Upper

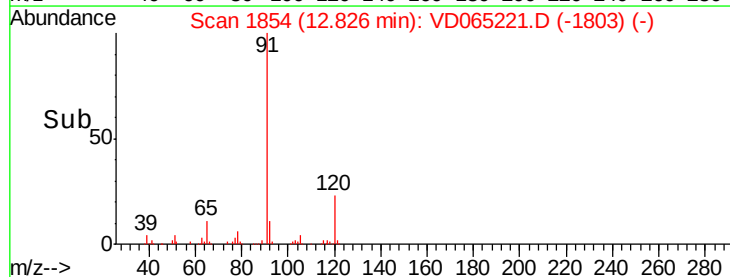
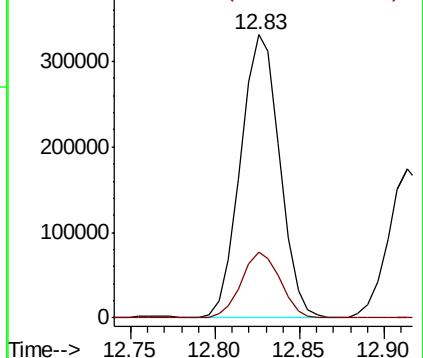
91 100

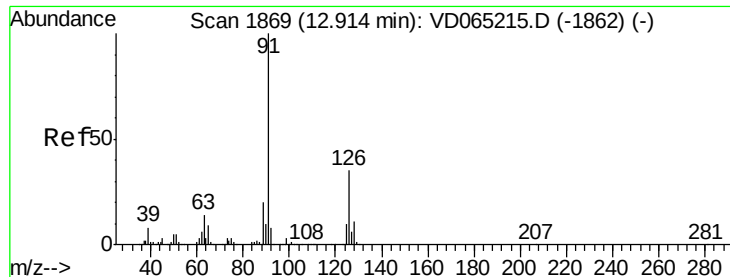
120 23.1 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

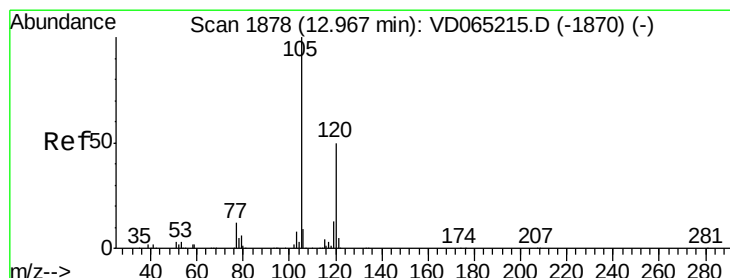
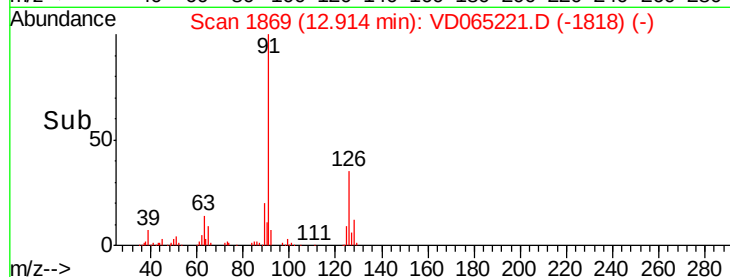
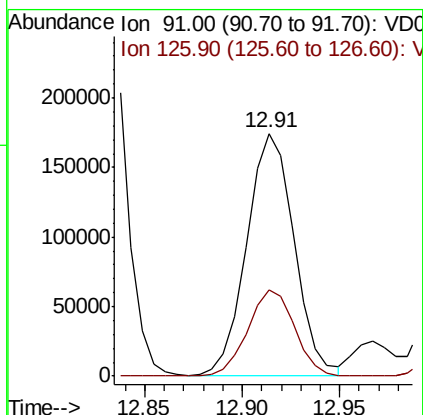
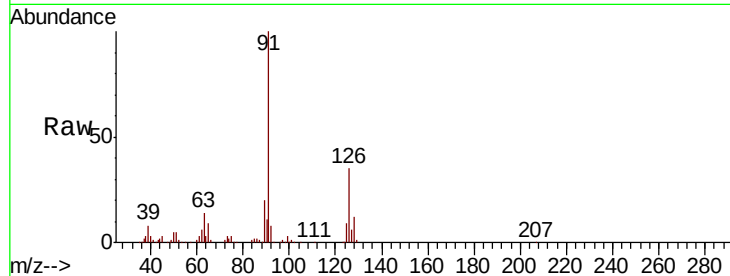




#79
 2-Chlorotoluene
 Concen: 21.009 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

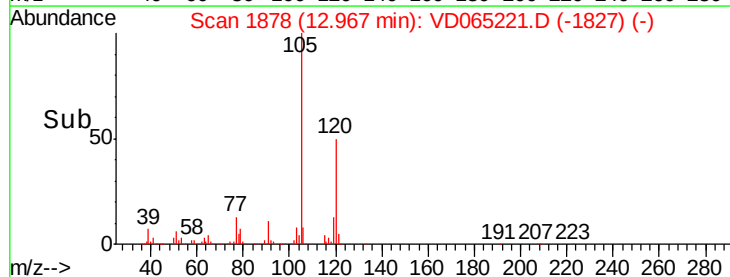
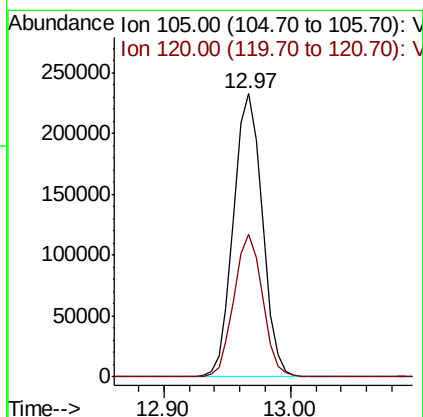
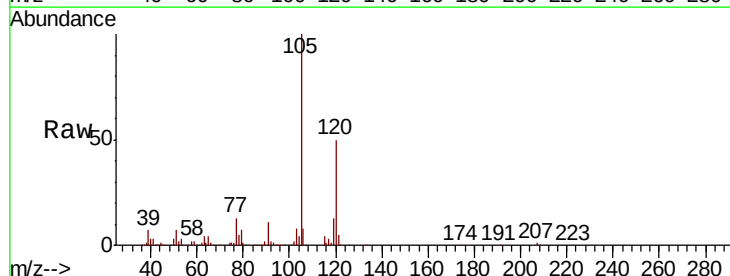
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBSD01

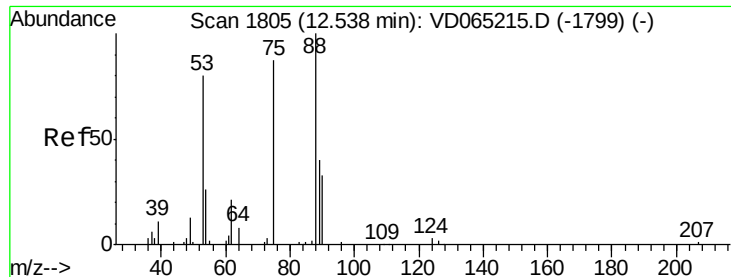
Tot Ion: 91 Resp: 293326
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 21.430 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Tgt Ion: 105 Resp: 366052
 Ion Ratio Lower Upper
 105 100
 120 50.0 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.844 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

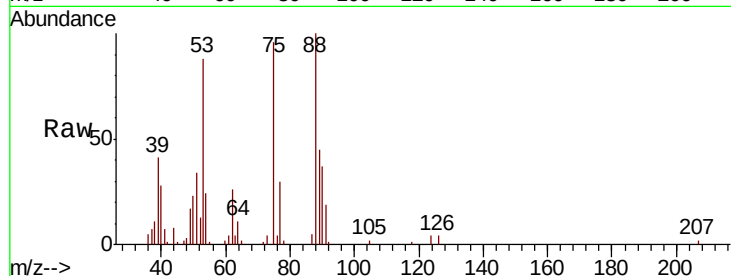
Tot Ion: 75 Resp: 24495

Ion Ratio Lower Upper

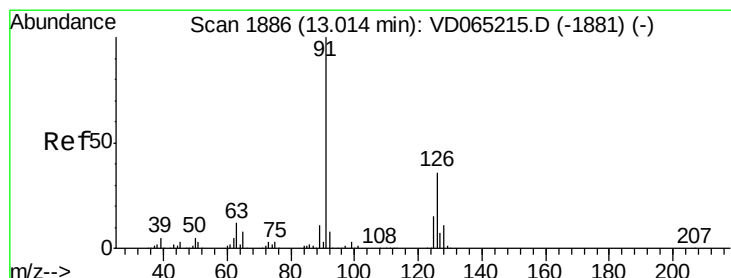
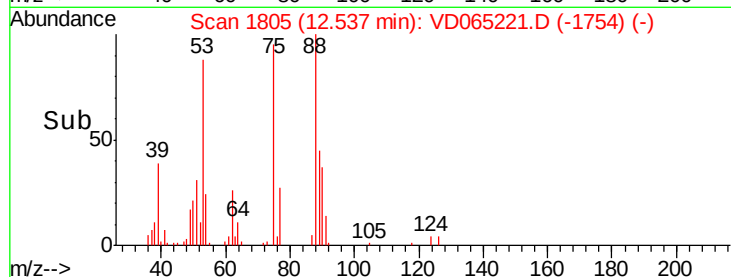
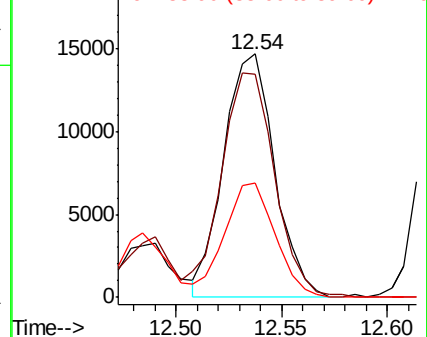
75 100

53 97.6 77.6 116.4

89 46.9 37.2 55.8



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: 21.093 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065221.D

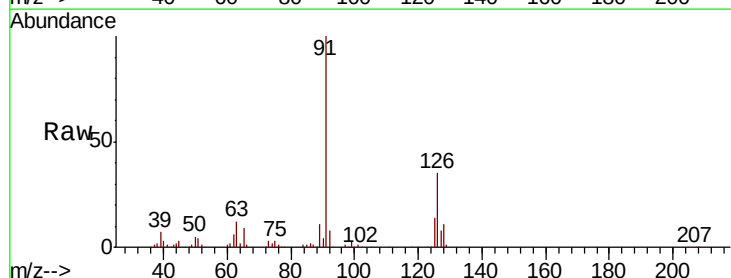
Acq: 18 Feb 2020 16:18

Tgt Ion: 91 Resp: 312651

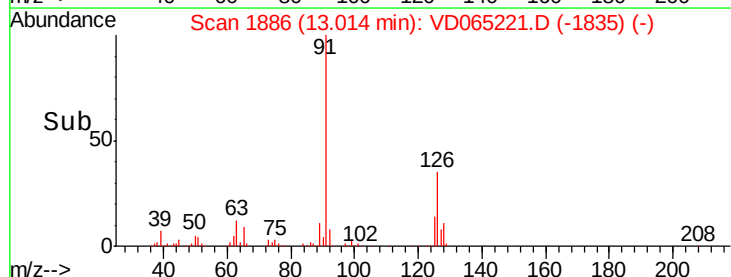
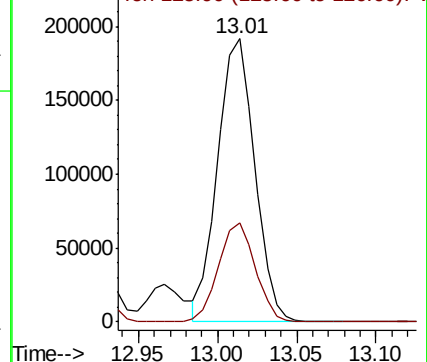
Ion Ratio Lower Upper

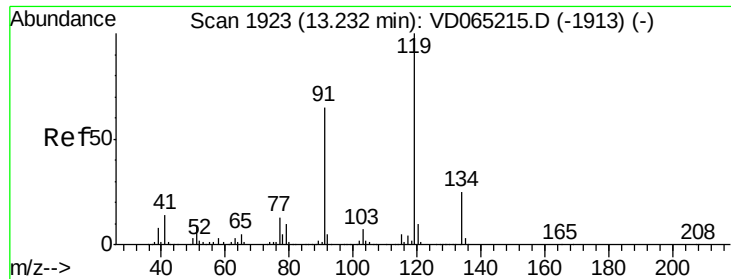
91 100

126 34.8 17.4 52.3



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

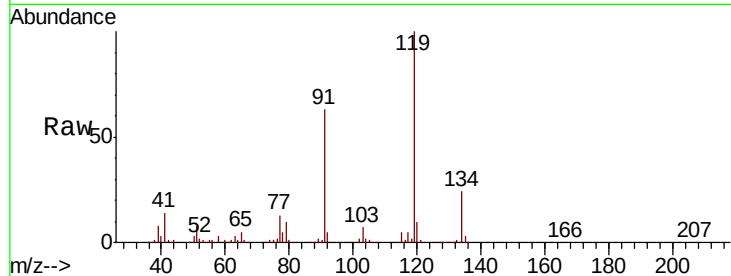




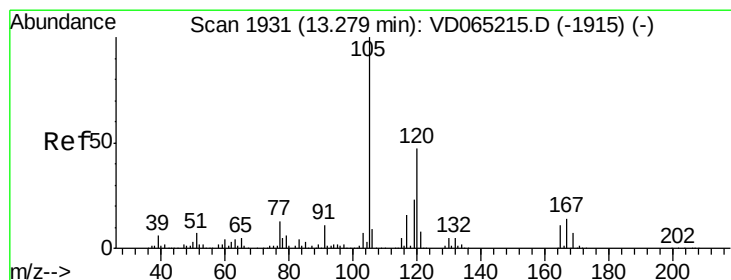
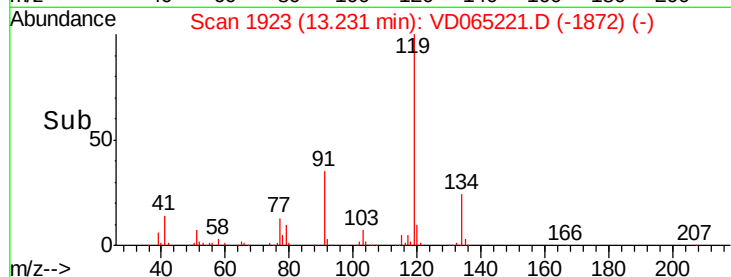
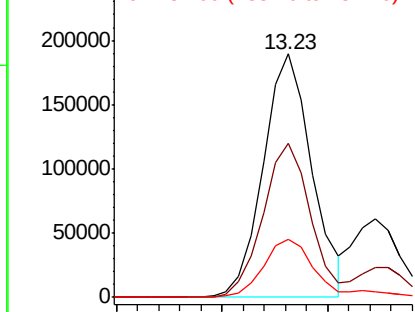
#83
 tert-Butylbenzene
 Concen: 21.190 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

Tot Ion:119 Resp: 303367
 Ion Ratio Lower Upper
 119 100
 91 62.7 31.9 95.5
 134 24.5 13.8 41.3

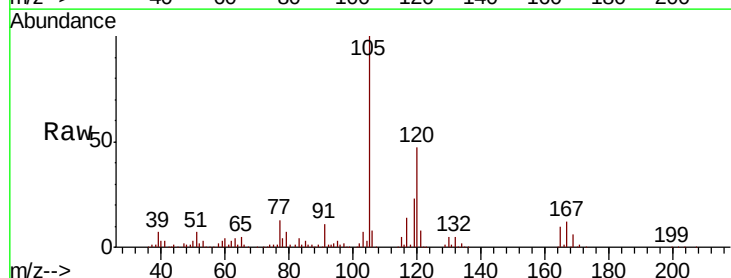


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

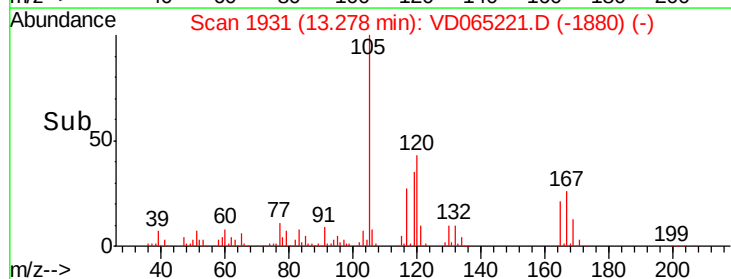
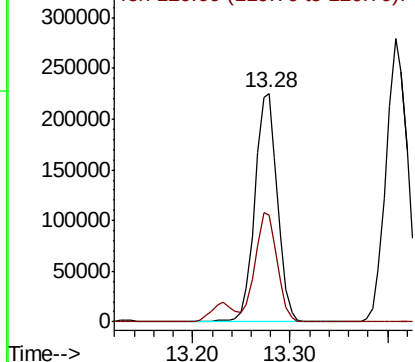


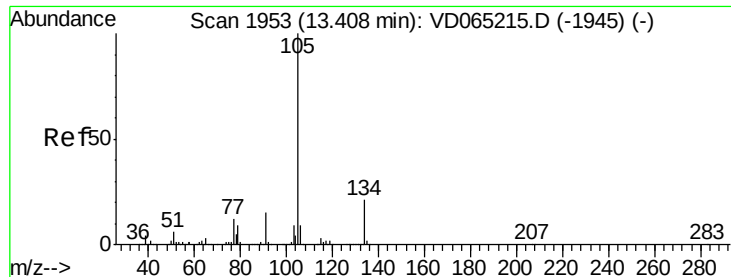
#84
 1,2,4-Trimethylbenzene
 Concen: 21.450 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Tgt Ion:105 Resp: 366727
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.3 69.9



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

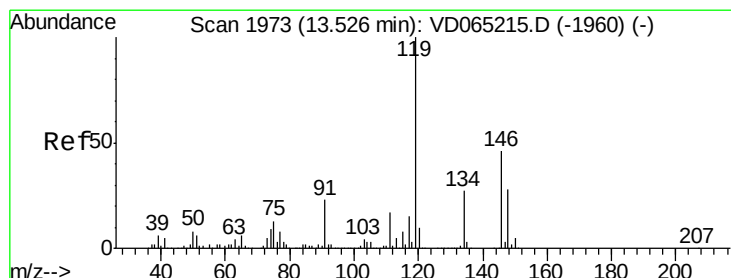
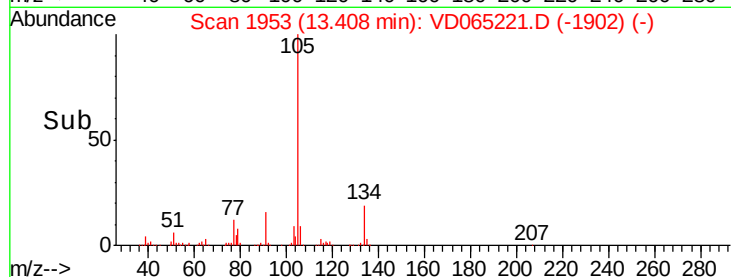
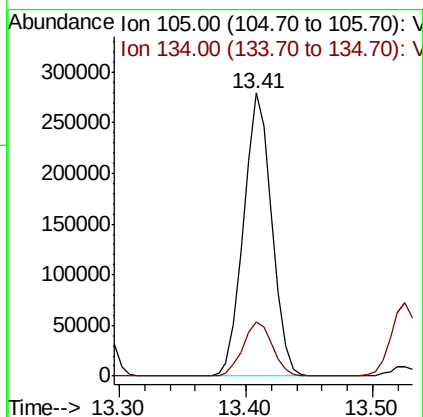
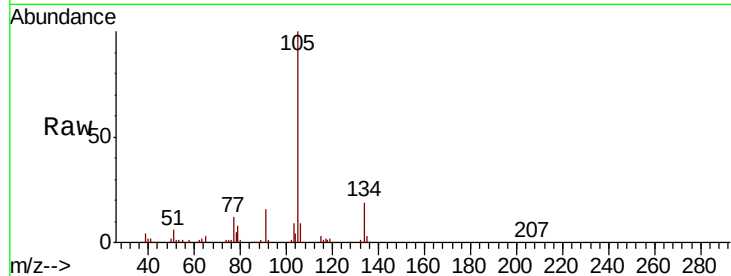




#85
 sec-Butylbenzene
 Concen: 20.862 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

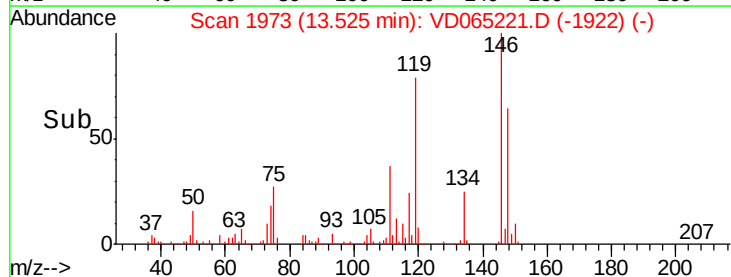
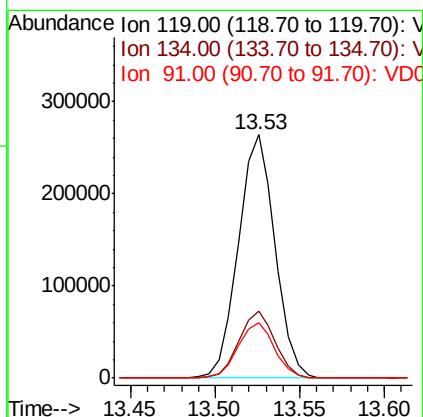
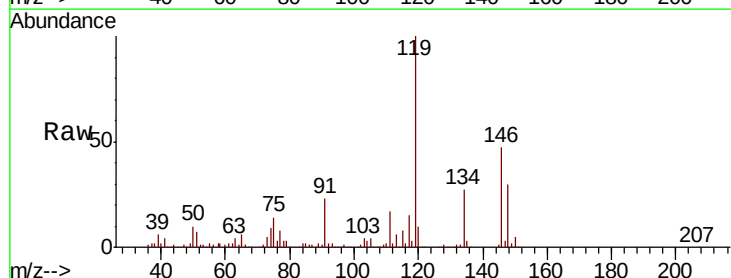
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

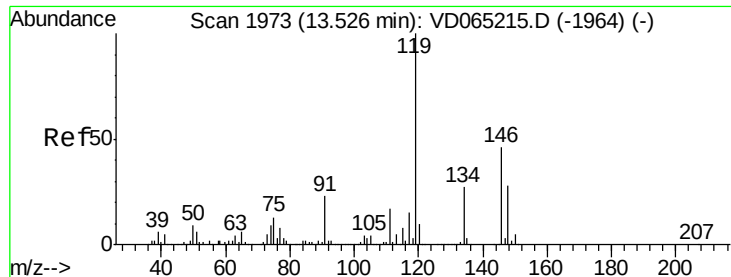
Tot Ion:105 Resp: 430365
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 21.112 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Tgt Ion:119 Resp: 398274
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.3 39.8
 91 22.5 11.1 33.1

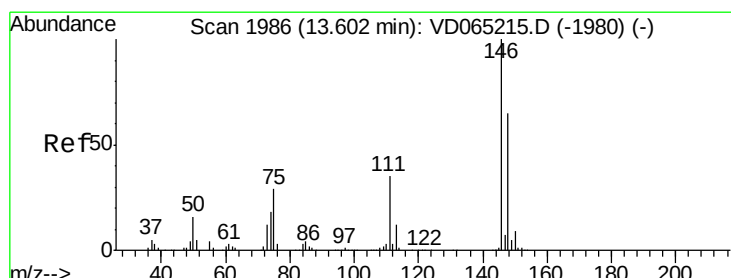
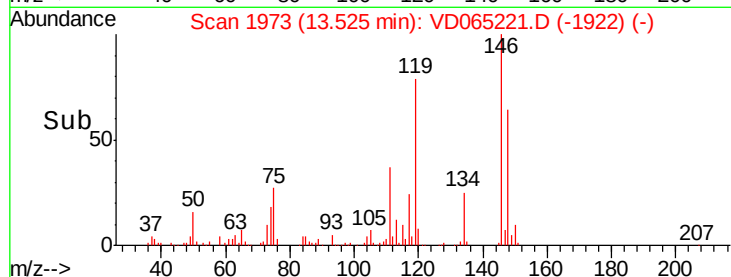
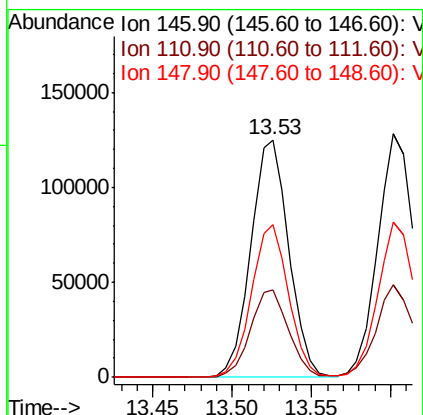
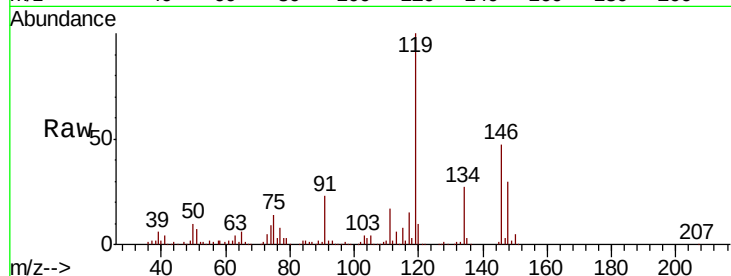




#87
 1,3-Dichlorobenzene
 Concen: 20.880 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

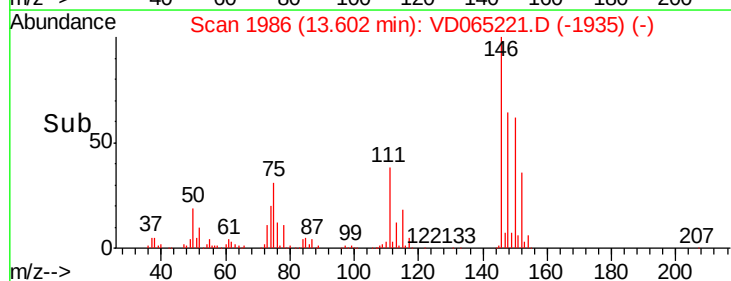
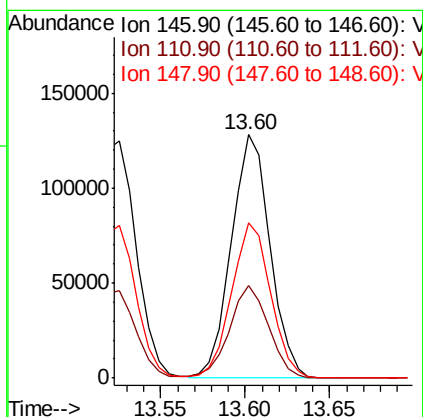
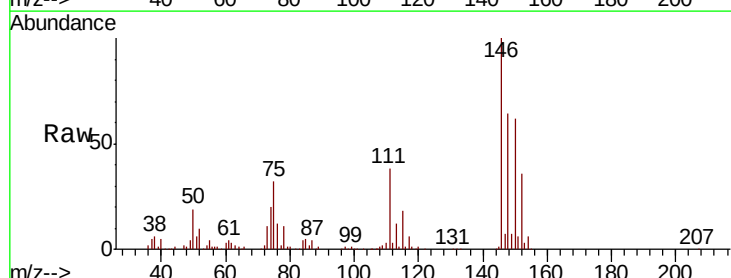
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBSD01

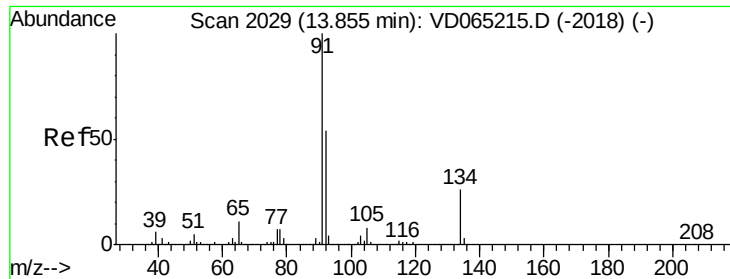
Tot Ion:146 Resp: 207881
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.6 55.8
 148 63.1 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 20.882 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Tgt Ion:146 Resp: 205182
 Ion Ratio Lower Upper
 146 100
 111 38.6 18.4 55.2
 148 64.2 32.1 96.5

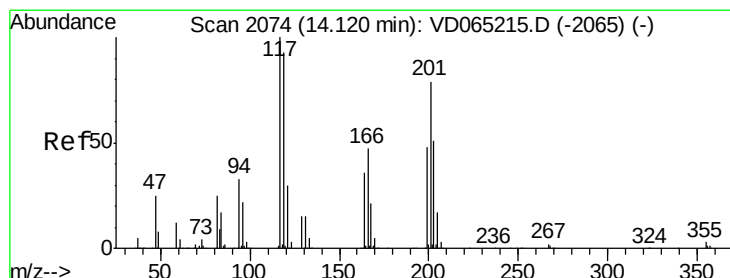
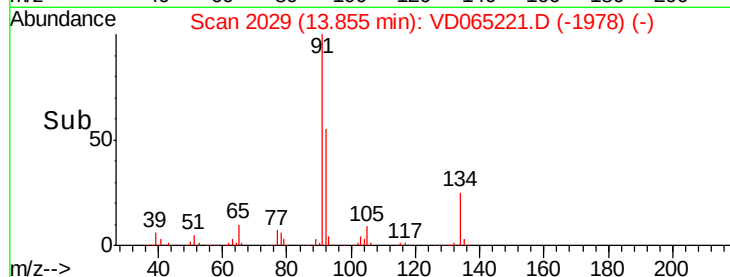
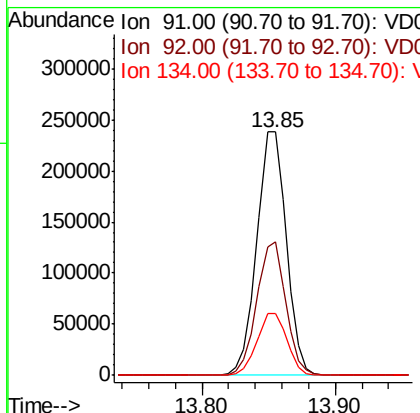
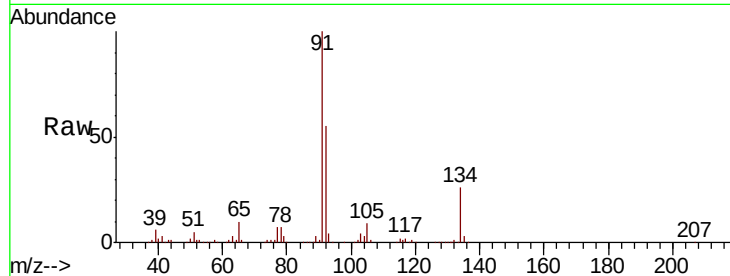




#89
n-Butylbenzene
Concen: 20.953 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

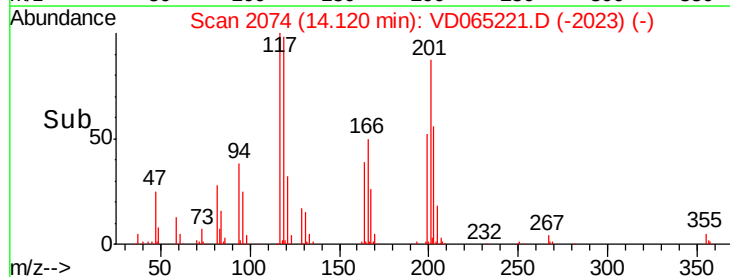
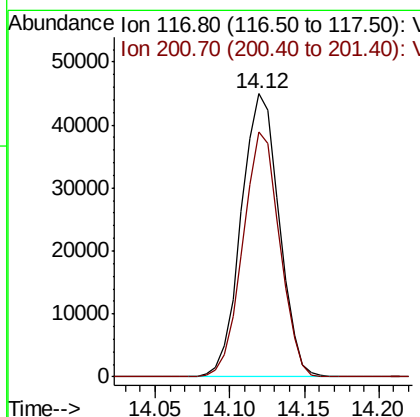
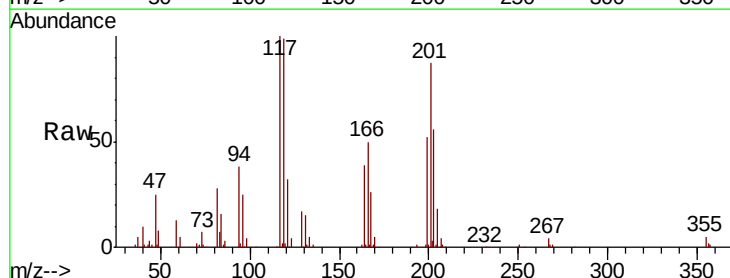
Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

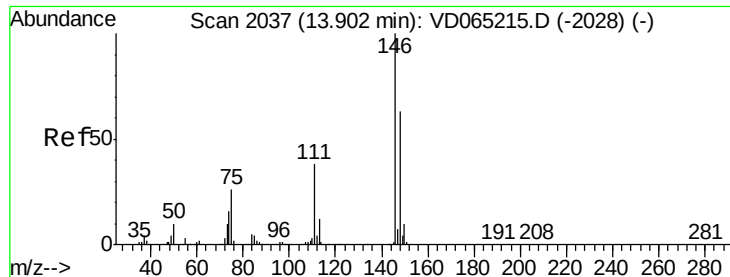
Tot Ion: 91 Resp: 364240
Ion Ratio Lower Upper
91 100
92 53.7 27.0 80.8
134 26.1 13.5 40.4



#90
Hexachloroethane
Concen: 20.604 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Tgt Ion: 117 Resp: 78924
Ion Ratio Lower Upper
117 100
201 84.1 41.3 124.1





#91

1,2-Dichlorobenzene

Concen: 20.428 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

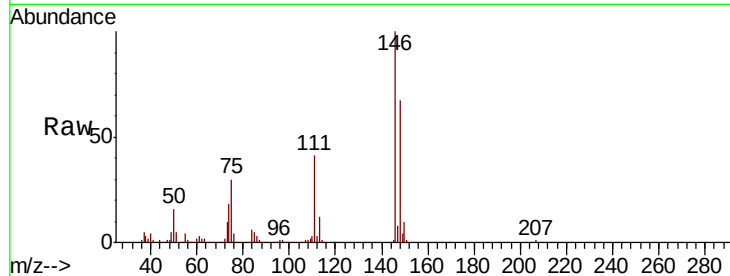
Tot Ion:146 Resp: 174631

Ion Ratio Lower Upper

146 100

111 40.8 19.7 59.0

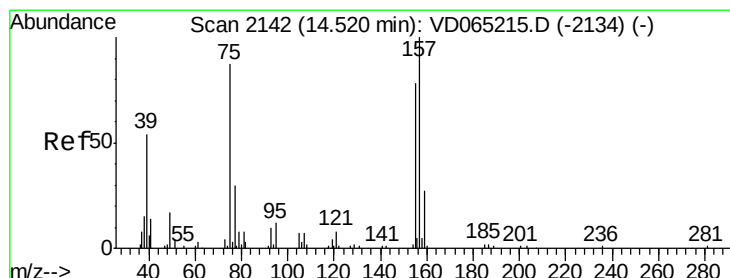
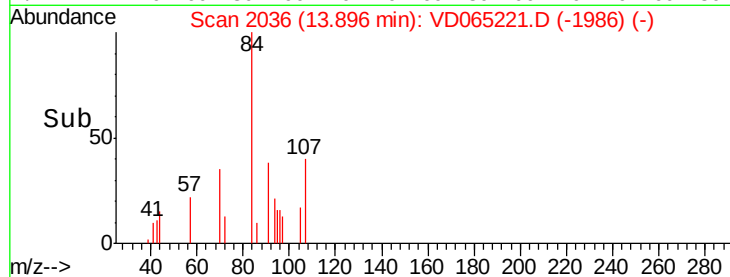
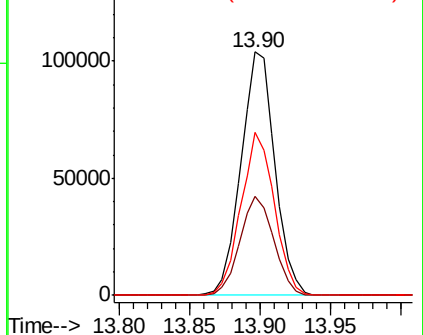
148 65.9 32.0 96.2



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: 20.412 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

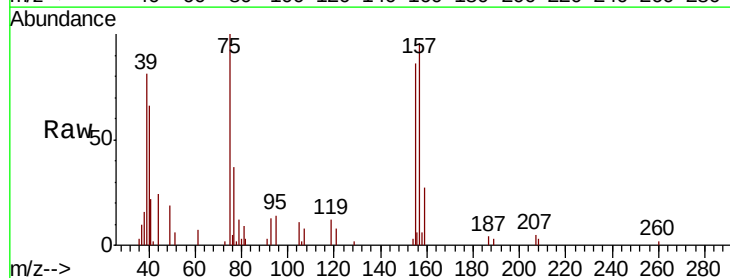
Tgt Ion: 75 Resp: 11774

Ion Ratio Lower Upper

75 100

155 86.9 42.3 126.9

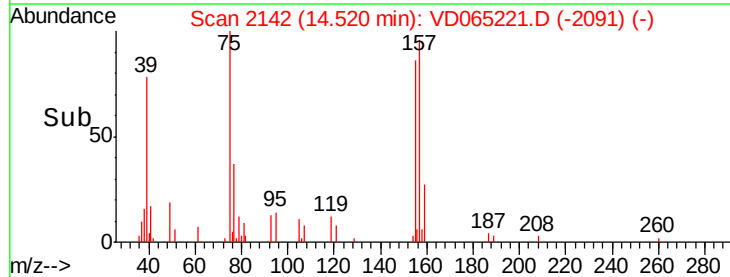
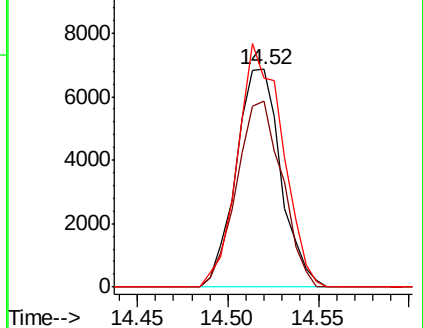
157 111.8 56.7 170.1

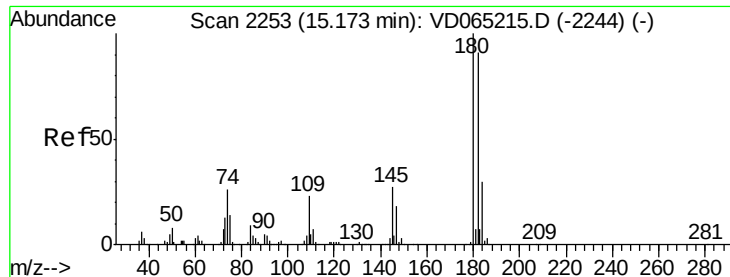


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

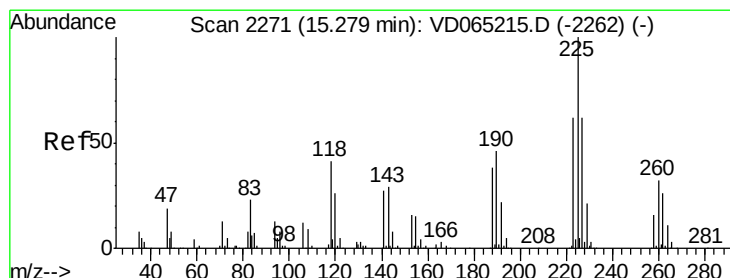
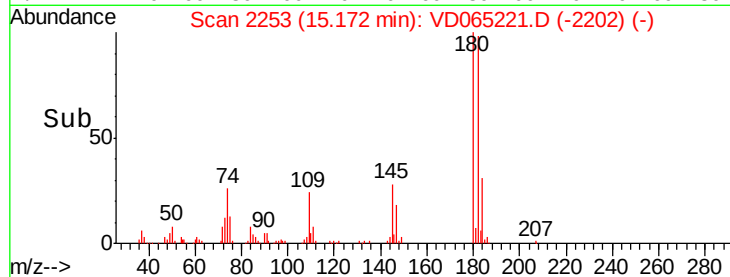
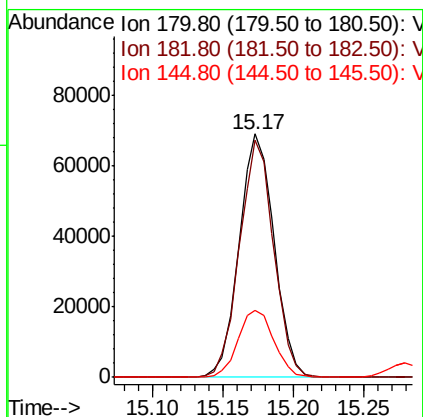
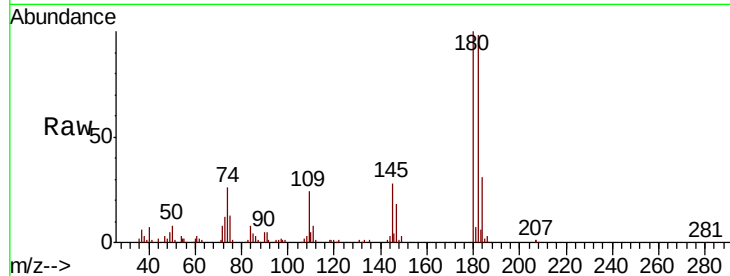




#93
 1,2,4-Trichlorobenzene
 Concen: 21.351 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

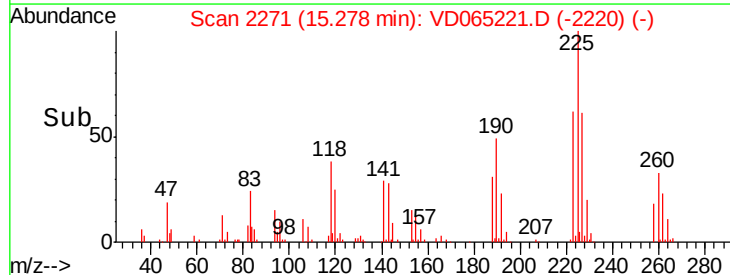
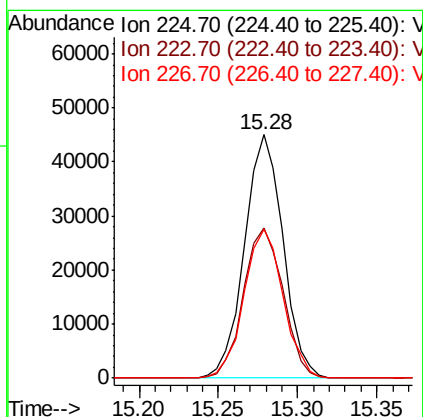
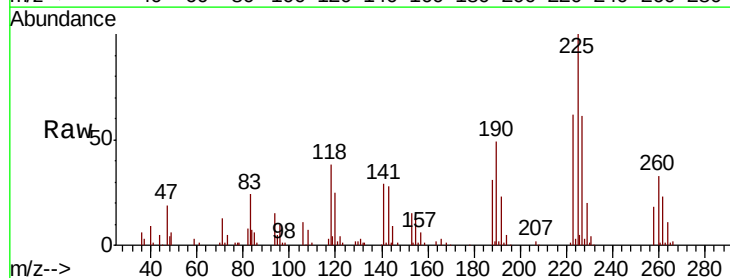
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

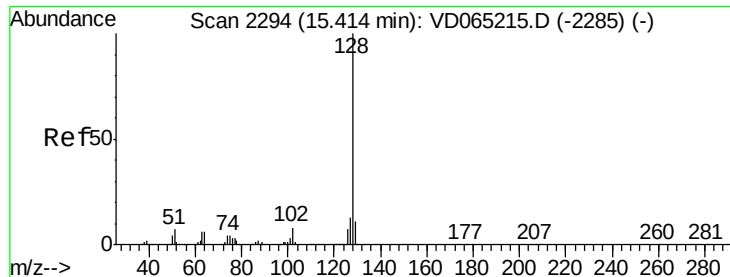
Tot Ion:180 Resp: 119387
 Ion Ratio Lower Upper
 180 100
 182 95.2 46.9 140.6
 145 28.2 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 21.246 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Tgt Ion:225 Resp: 76208
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.4 94.2
 227 62.0 31.7 95.1





#95

Naphthalene

Concen: 20.172 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

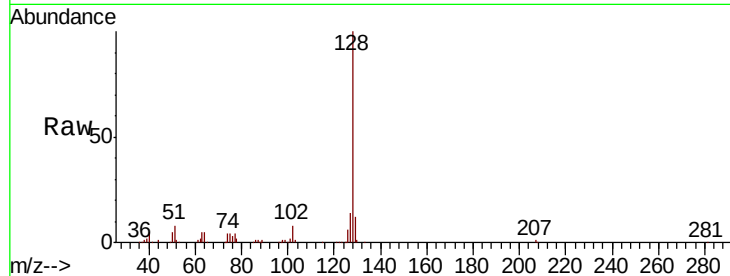
Tot Ion:128 Resp: 183367

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

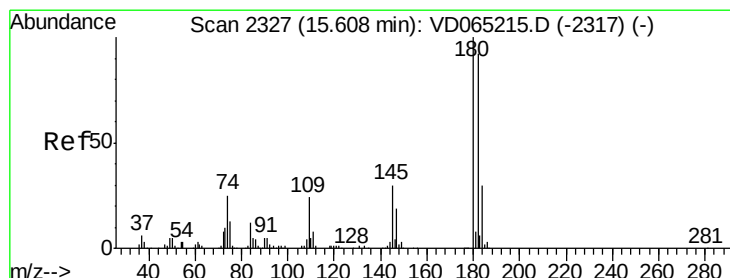
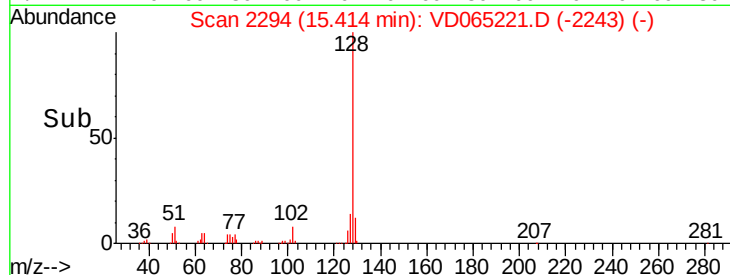
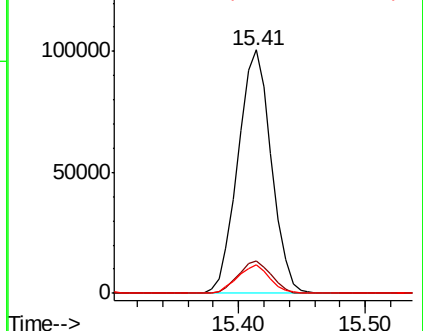
129 11.3 8.8 13.2



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: 20.975 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

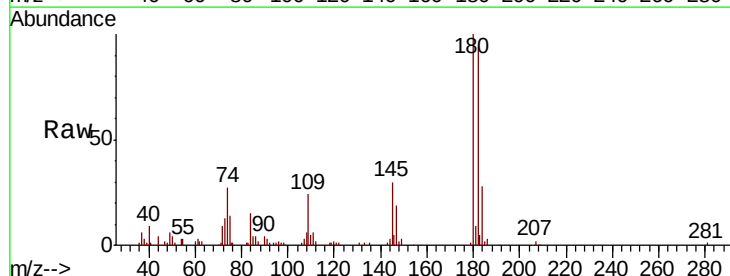
Tgt Ion:180 Resp: 102434

Ion Ratio Lower Upper

180 100

182 95.5 46.9 140.6

145 31.2 15.4 46.1



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

