

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065220.D
 Acq On : 18 Feb 2020 15:51
 Operator : VA/SY
 Sample : VD0218SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

Quant Time: Feb 19 03:30:44 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	457936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	699060	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	630861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304019	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	214164	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
35) Dibromofluoromethane	7.92	113	221289	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
50) Toluene-d8	10.34	98	874964	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	
62) 4-Bromofluorobenzene	12.64	95	275397	53.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	73716	19.192	ug/l	99
3) Chloromethane	2.21	50	104567	21.389	ug/l	98
4) Vinyl Chloride	2.35	62	103406	20.801	ug/l	100
5) Bromomethane	2.76	94	68070	22.647	ug/l	98
6) Chloroethane	2.92	64	65481	21.579	ug/l	93
7) Trichlorofluoromethane	3.27	101	153092	21.510	ug/l	98
8) Diethyl Ether	3.71	74	44905	20.902	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	97846	21.770	ug/l	98
10) Methyl Iodide	4.29	142	90262	19.342	ug/l	98
11) Tert butyl alcohol	5.25	59	25587	103.939	ug/l	100
12) 1,1-Dichloroethene	4.06	96	91027	21.440	ug/l	95
13) Acrolein	3.92	56	42591	126.831	ug/l	97
14) Allyl chloride	4.71	41	146059	21.184	ug/l	99
15) Acrylonitrile	5.43	53	99033	104.119	ug/l	98
16) Acetone	4.17	43	92035	91.392	ug/l	94
17) Carbon Disulfide	4.40	76	303938	21.352	ug/l	99
18) Methyl Acetate	4.73	43	46642	20.593	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	184828	20.875	ug/l	95
20) Methylene Chloride	4.96	84	111689	22.366	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	103851	21.516	ug/l	95
22) Diisopropyl ether	6.37	45	294869	22.185	ug/l	98
23) Vinyl Acetate	6.31	43	766497	104.605	ug/l	99
24) 1,1-Dichloroethane	6.27	63	178820	21.690	ug/l	98
25) 2-Butanone	7.22	43	122378	96.049	ug/l	99
26) 2,2-Dichloropropane	7.21	77	156143	21.829	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	110902	21.692	ug/l	99
28) Bromochloromethane	7.55	49	58729	19.201	ug/l	99
29) Tetrahydrofuran	7.57	42	79122	105.985	ug/l	96
30) Chloroform	7.71	83	180093	21.683	ug/l	99
31) Cyclohexane	7.98	56	170913	21.100	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	159298	21.436	ug/l	100
36) 1,1-Dichloropropene	8.11	75	146185	21.492	ug/l	99
37) Ethyl Acetate	7.30	43	54962	19.329	ug/l	98
38) Carbon Tetrachloride	8.10	117	145414	21.001	ug/l	97

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
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Quant Time: Feb 19 03:30:44 2020
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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)
39) Methylcyclohexane	9.36	83	169423	21.187	ug/l	95
40) Benzene	8.36	78	414400	21.584	ug/l	100
41) Methacrylonitrile	7.53	41	19853	12.092	ug/l #	70
42) 1,2-Dichloroethane	8.43	62	110973	21.025	ug/l	100
43) Isopropyl Acetate	8.46	43	104868	20.281	ug/l	99
44) Trichloroethene	9.11	130	114404	21.497	ug/l	99
45) 1,2-Dichloropropane	9.39	63	99260	20.792	ug/l	92
46) Dibromomethane	9.48	93	51631	21.020	ug/l	99
47) Bromodichloromethane	9.67	83	138277	21.361	ug/l	96
48) Methyl methacrylate	9.46	41	48504	20.294	ug/l	94
49) 1,4-Dioxane	9.47	88	11191	388.457	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	265404	101.055	ug/l	99
52) Toluene	10.41	92	260809	21.947	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	123991	20.665	ug/l	93
54) cis-1,3-Dichloropropene	10.10	75	151008	20.842	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	70935	20.518	ug/l	97
56) Ethyl methacrylate	10.67	69	80961	20.289	ug/l	98
57) 1,3-Dichloropropane	10.95	76	121477	20.645	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	120659	95.908	ug/l	99
59) 2-Hexanone	10.99	43	184788	98.290	ug/l	100
60) Dibromochloromethane	11.15	129	93668	21.168	ug/l	98
61) 1,2-Dibromoethane	11.25	107	68461	20.914	ug/l	97
64) Tetrachloroethene	10.88	164	96236	21.509	ug/l	94
65) Chlorobenzene	11.68	112	273614	21.613	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	97900	20.723	ug/l	98
67) Ethyl Benzene	11.75	91	475979	21.467	ug/l	99
68) m/p-Xylenes	11.86	106	376002	44.324	ug/l	98
69) o-Xylene	12.18	106	162619	21.638	ug/l	99
70) Styrene	12.20	104	287718	21.563	ug/l	98
71) Bromoform	12.37	173	54160	20.660	ug/l #	99
73) Isopropylbenzene	12.48	105	448228	22.269	ug/l	99
74) N-amyl acetate	12.30	43	90691	20.278	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	75964	20.912	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	98423	38.050	ug/l #	100
77) Bromobenzene	12.77	156	111648	22.338	ug/l	97
78) n-propylbenzene	12.83	91	549872	22.734	ug/l	100
79) 2-Chlorotoluene	12.91	91	300339	22.165	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	372966	22.498	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	24994	20.863	ug/l	98
82) 4-Chlorotoluene	13.01	91	316870	22.027	ug/l	99
83) tert-Butylbenzene	13.23	119	304263	21.899	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	376432	22.686	ug/l	99
85) sec-Butylbenzene	13.41	105	444280	22.191	ug/l	100
86) p-Isopropyltoluene	13.53	119	414901	22.661	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	207138	21.438	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	207793	21.790	ug/l	99
89) n-Butylbenzene	13.86	91	375610	22.263	ug/l	98
90) Hexachloroethane	14.12	117	80607	21.683	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	179672	21.657	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10625	18.980	ug/l	88

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Instrument :
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ClientSampleId :
VD0218SBS01

Quant Time: Feb 19 03:30:44 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

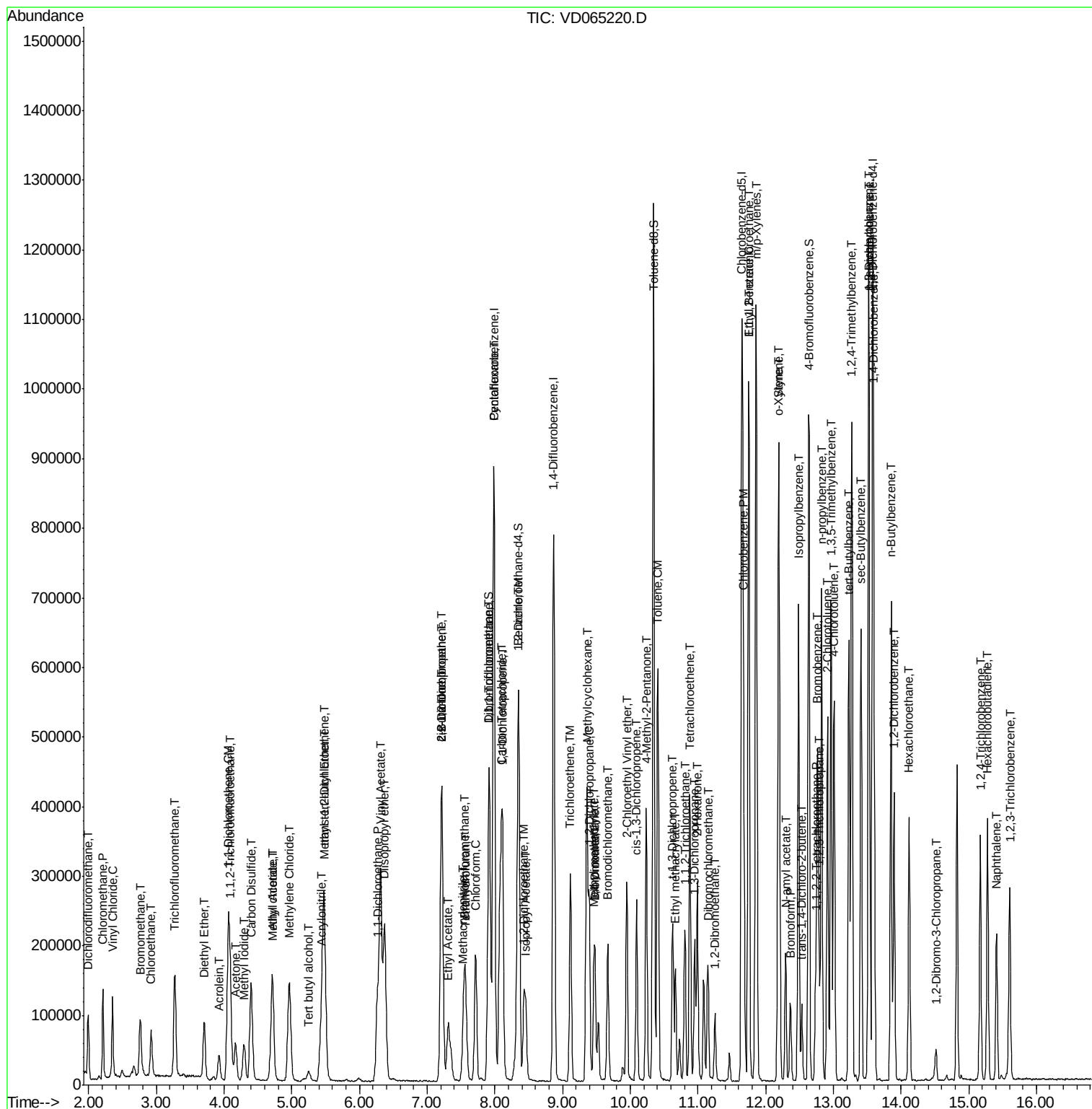
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	118067	21.756	ug/l	95
94) Hexachlorobutadiene	15.28	225	75272	21.623	ug/l	100
95) Naphthalene	15.41	128	180990	20.515	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	104190	21.983	ug/l	98

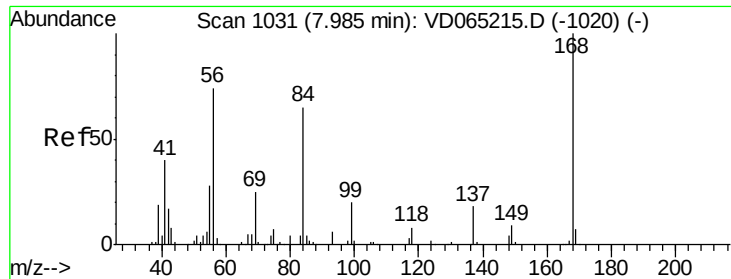
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065220.D
 Acq On : 18 Feb 2020 15:51
 Operator : VA/SY
 Sample : VD0218SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
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Instrument :
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 Quant Title : SW846 8260
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 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: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

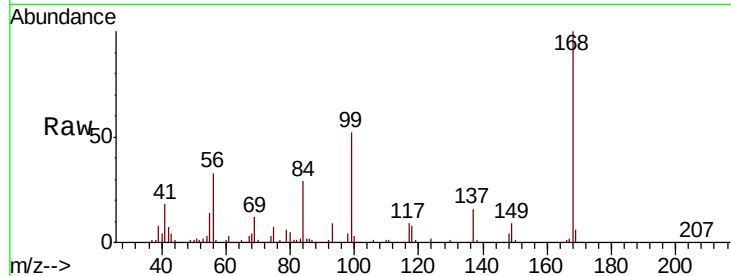
VD0218SBS01

Tot Ion:168 Resp: 457936

Ion Ratio Lower Upper

168 100

99 51.5 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

100000

50000

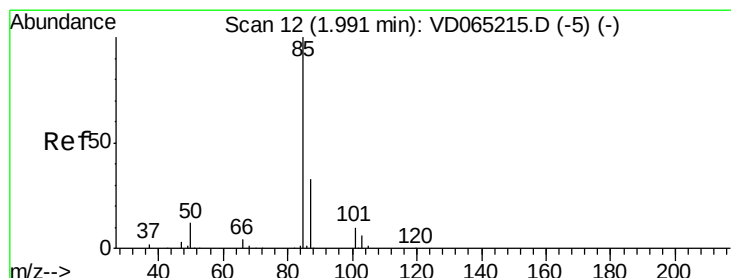
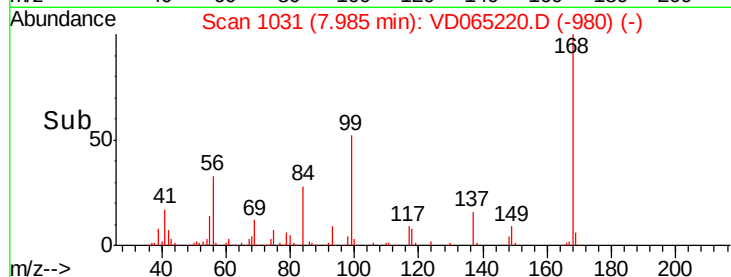
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.192 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065220.D

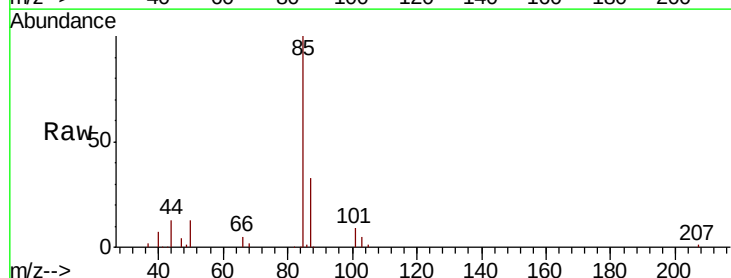
Acq: 18 Feb 2020 15:51

Tgt Ion: 85 Resp: 73716

Ion Ratio Lower Upper

85 100

87 33.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

20000

10000

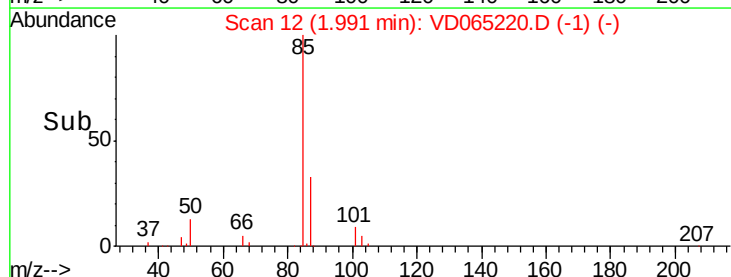
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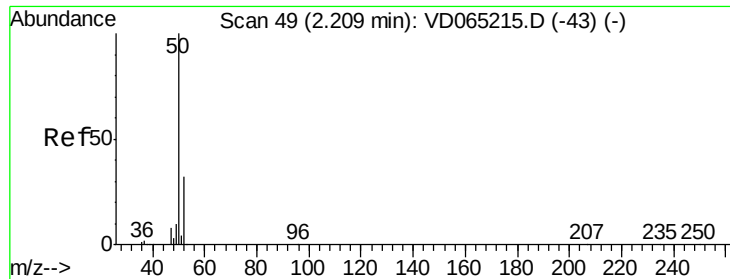
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 21.389 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

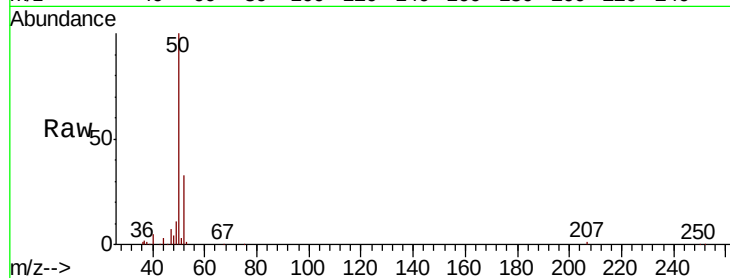
VD0218SBS01

Tot Ion: 50 Resp: 104567

Ion Ratio Lower Upper

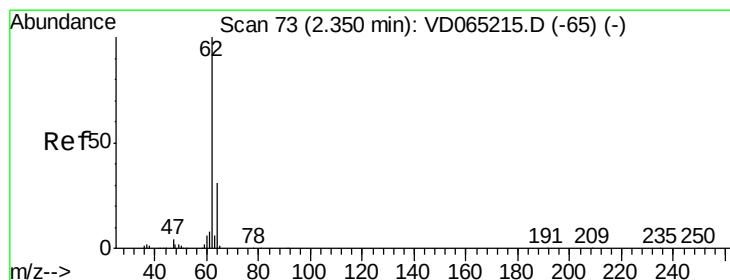
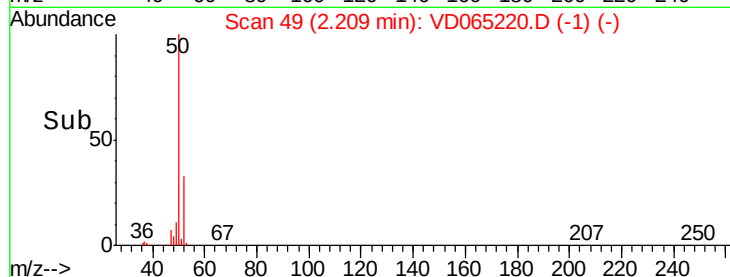
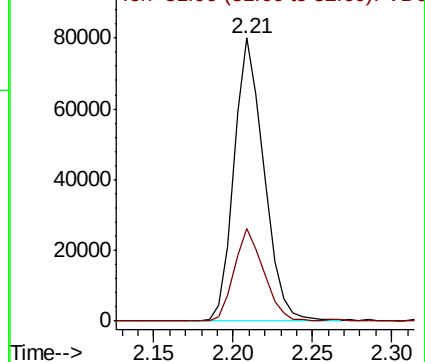
50 100

52 32.8 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: 20.801 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065220.D

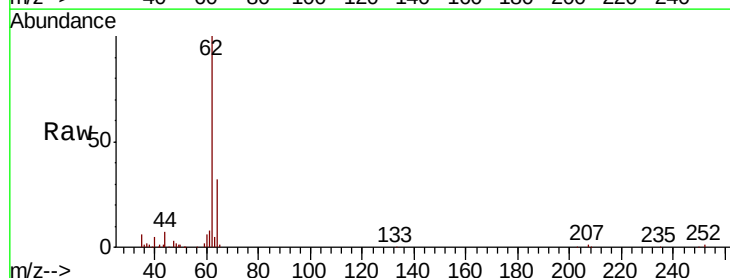
Acq: 18 Feb 2020 15:51

Tgt Ion: 62 Resp: 103406

Ion Ratio Lower Upper

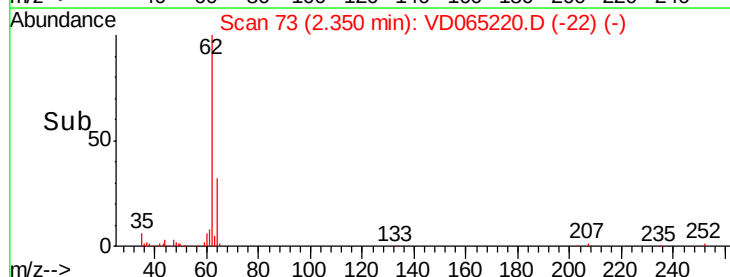
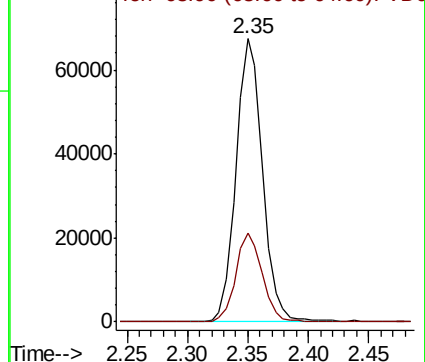
62 100

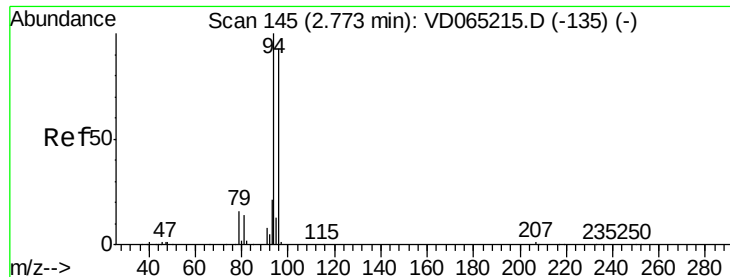
64 31.6 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.647 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

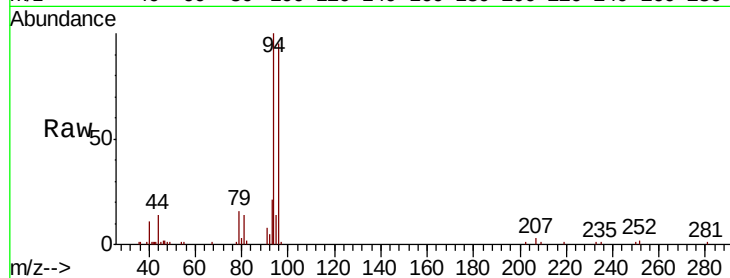
VD0218SBS01

Tot Ion: 94 Resp: 68070

Ion Ratio Lower Upper

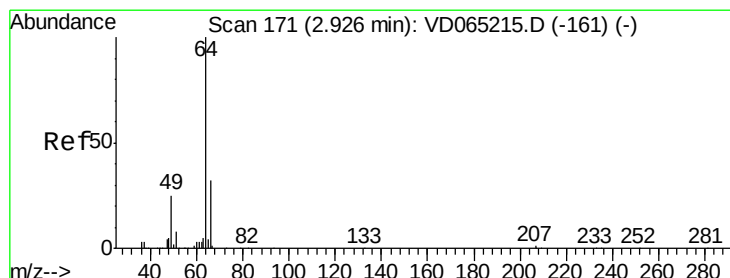
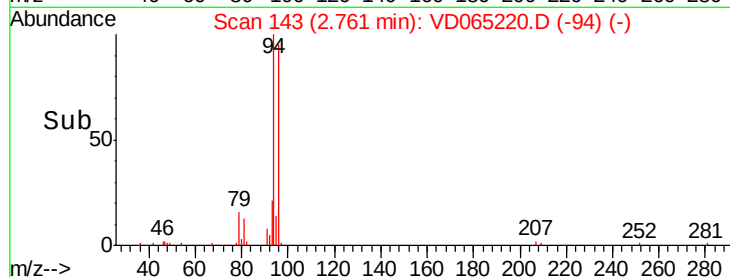
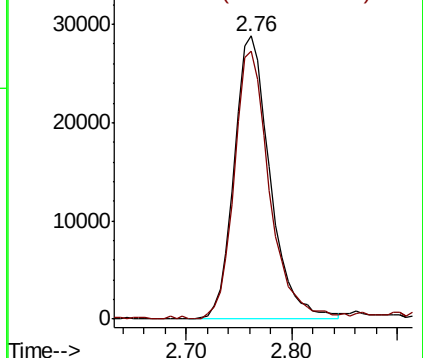
94 100

96 94.9 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: 21.579 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065220.D

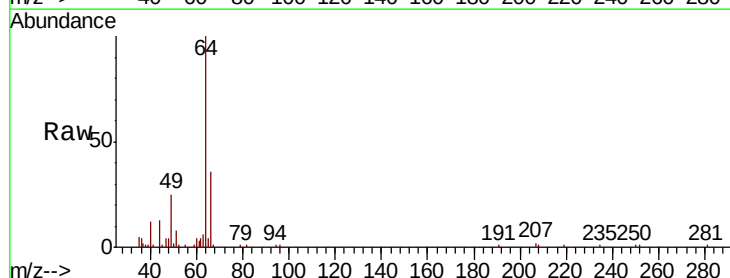
Acq: 18 Feb 2020 15:51

Tgt Ion: 64 Resp: 65481

Ion Ratio Lower Upper

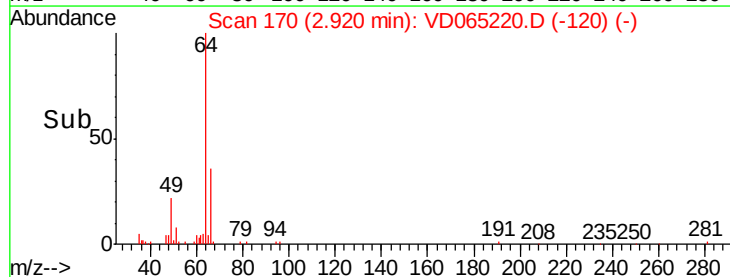
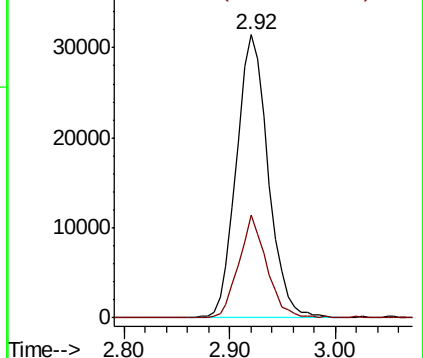
64 100

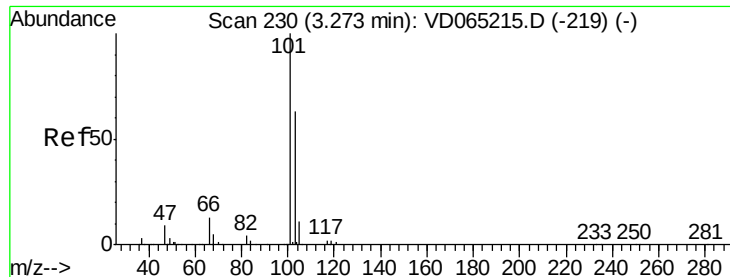
66 36.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



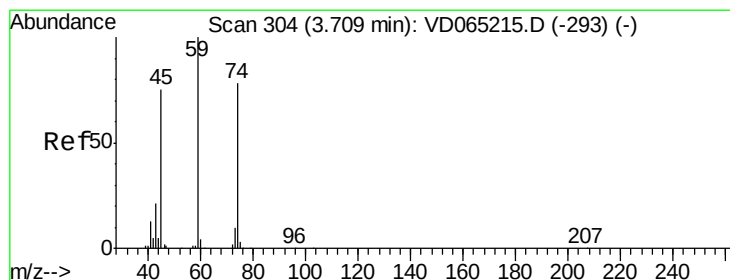
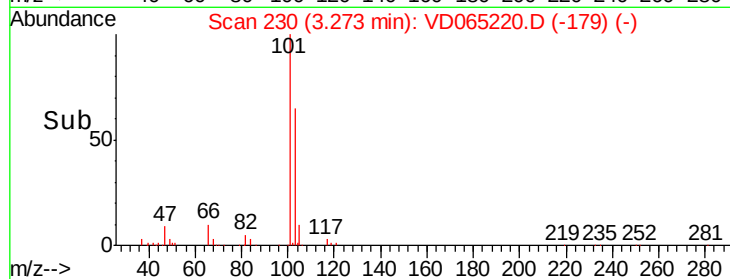
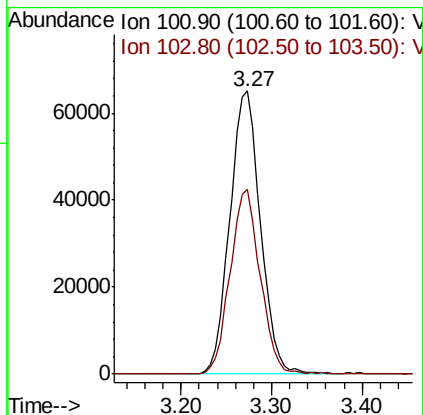
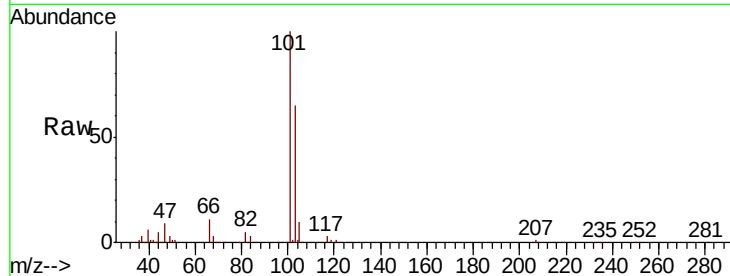


#7

Trichlorofluoromethane
 Concen: 21.510 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

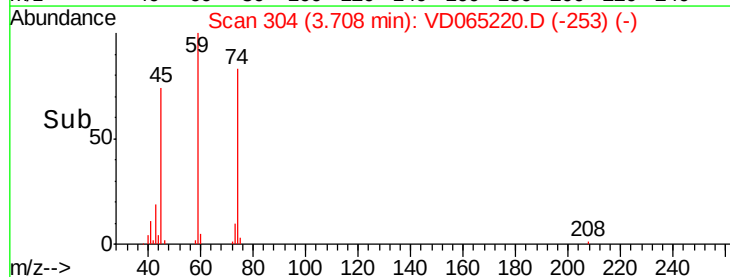
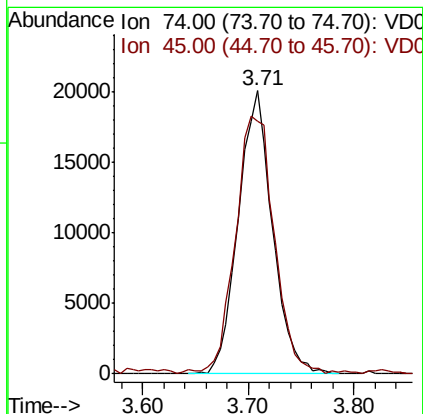
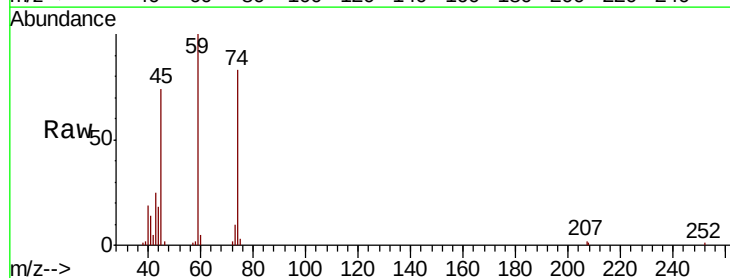
Tot Ion:101 Resp: 153092
 Ion Ratio Lower Upper
 101 100
 103 65.1 50.7 76.1

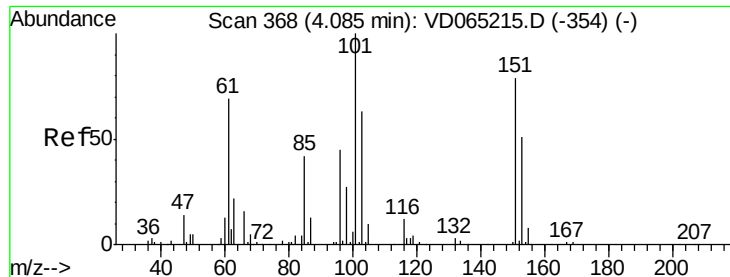


#8

Diethyl Ether
 Concen: 20.902 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Tgt Ion: 74 Resp: 44905
 Ion Ratio Lower Upper
 74 100
 45 104.0 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.770 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

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VD0218SBS01

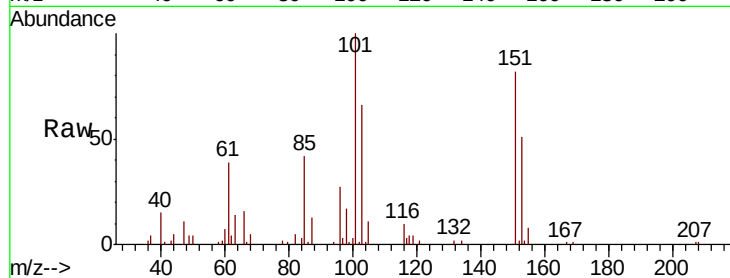
Tot Ion:101 Resp: 97846

Ion Ratio Lower Upper

101 100

85 41.3 34.2 51.2

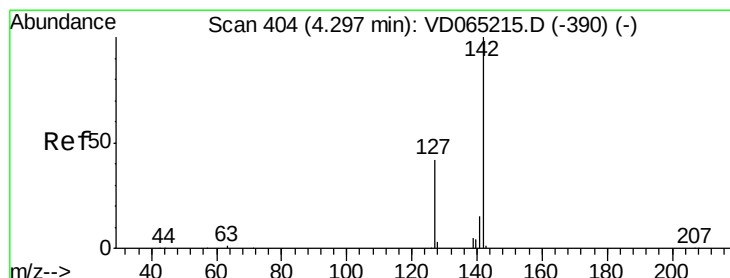
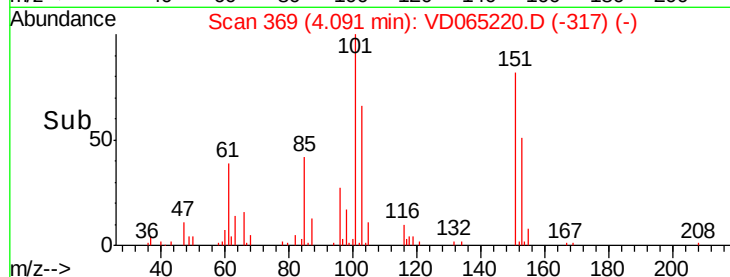
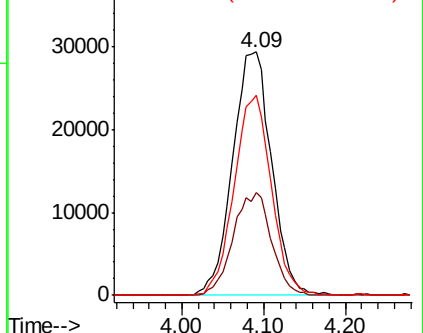
151 78.3 63.5 95.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.342 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

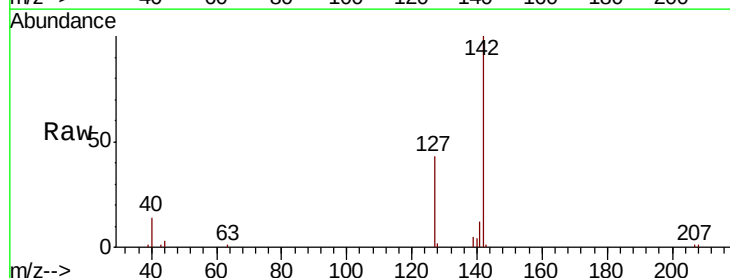
Tgt Ion:142 Resp: 90262

Ion Ratio Lower Upper

142 100

127 44.4 33.8 50.8

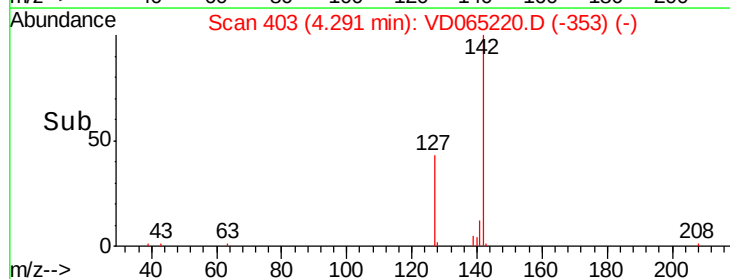
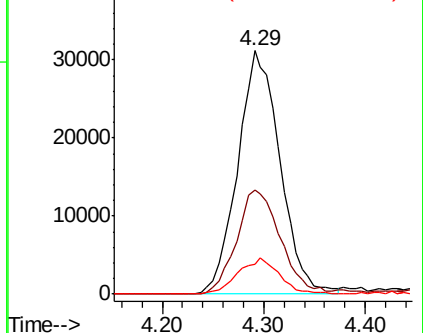
141 14.5 11.7 17.5

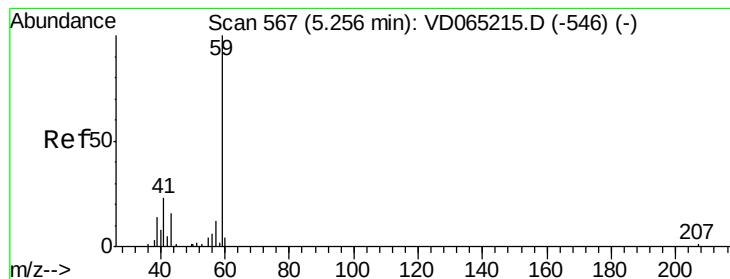


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



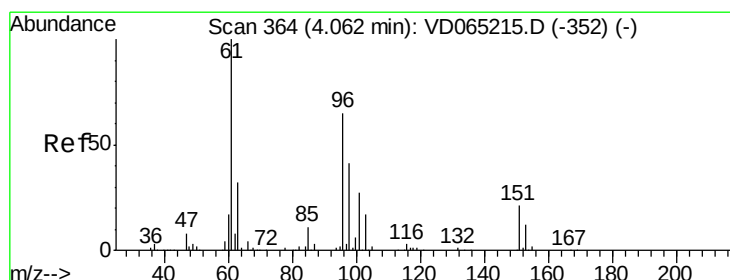
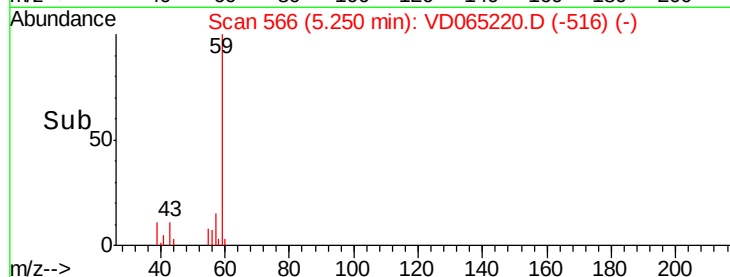
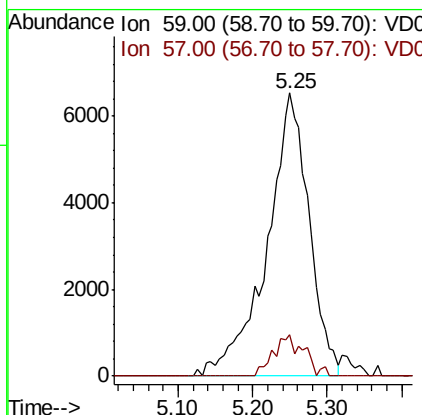
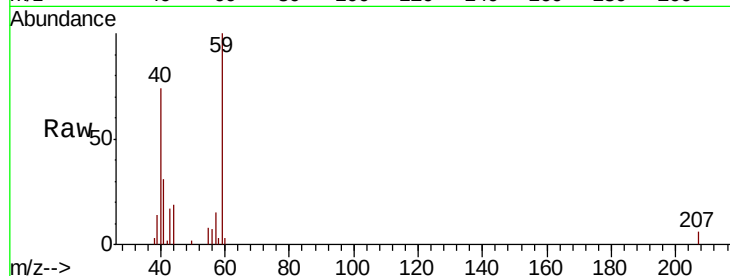


#11

Tert butyl alcohol
Concen: 103.939 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

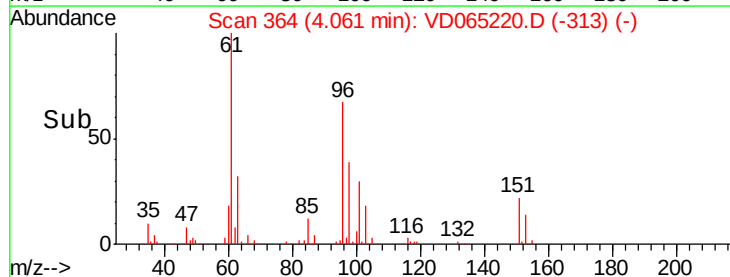
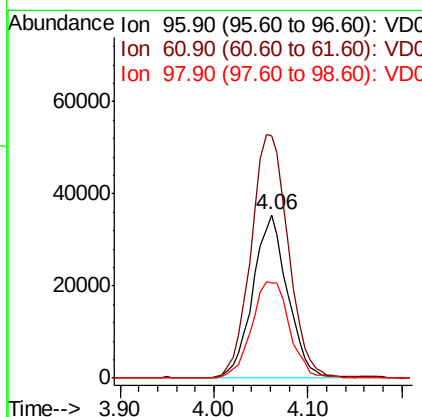
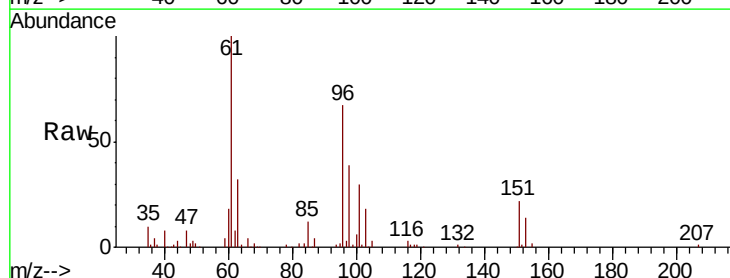
Tot Ion: 59 Resp: 25587
Ion Ratio Lower Upper
59 100
57 10.6 8.4 12.6

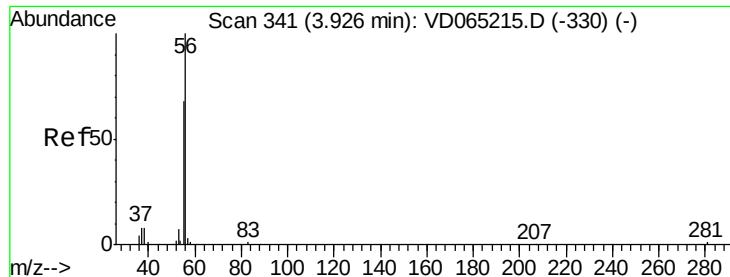


#12

1,1-Dichloroethene
Concen: 21.440 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion: 96 Resp: 91027
Ion Ratio Lower Upper
96 100
61 148.5 123.3 184.9
98 58.4 51.0 76.4

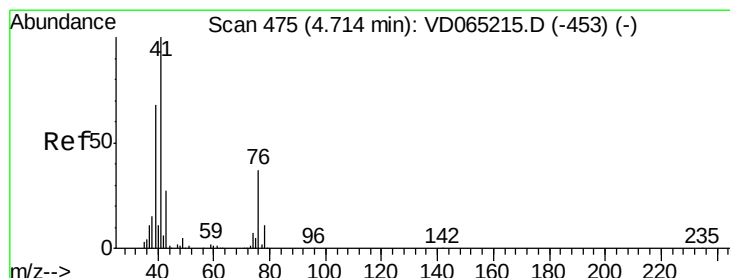
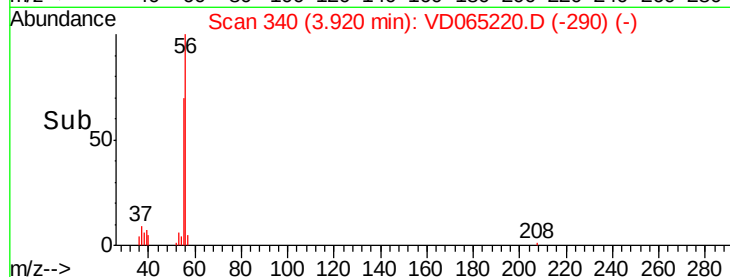
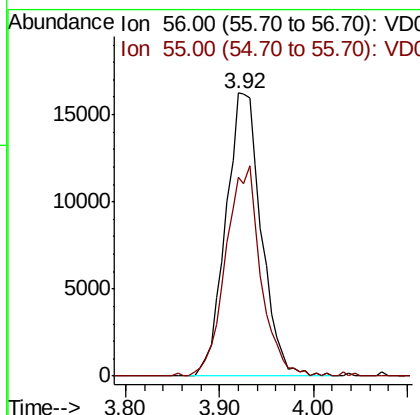
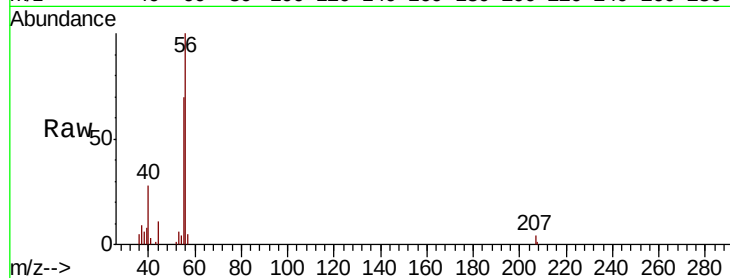




#13
 Acrolein
 Concen: 126.831 ug/l
 RT: 3.92 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

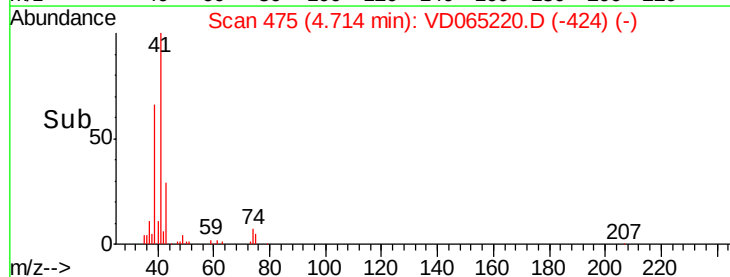
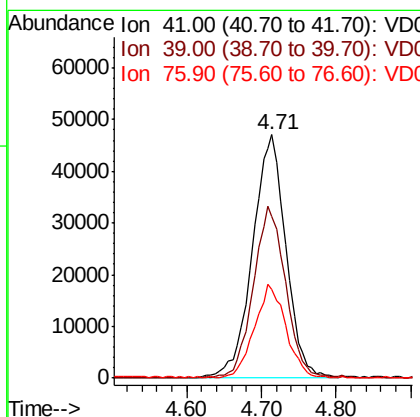
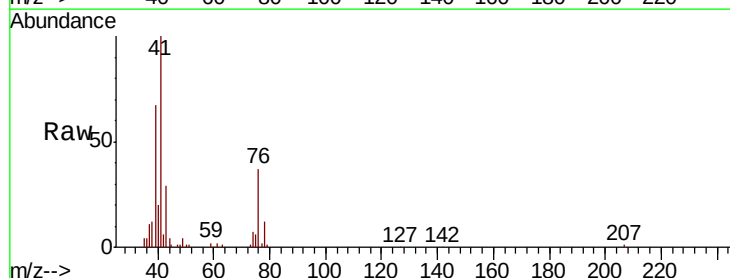
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

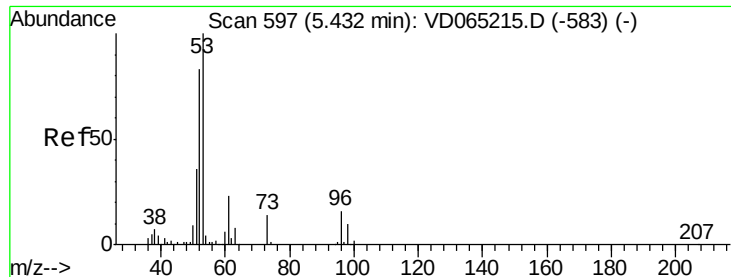
Tot Ion: 56 Resp: 42591
 Ion Ratio Lower Upper
 56 100
 55 73.3 56.6 85.0



#14
 Allyl chloride
 Concen: 21.184 ug/l
 RT: 4.71 min Scan# 475
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Tgt Ion: 41 Resp: 146059
 Ion Ratio Lower Upper
 41 100
 39 68.6 53.8 80.6
 76 36.5 28.7 43.1





#15

Acrylonitrile

Concen: 104.119 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

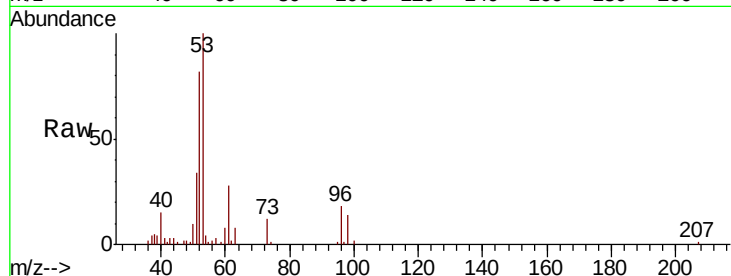
Tot Ion: 53 Resp: 99033

Ion Ratio Lower Upper

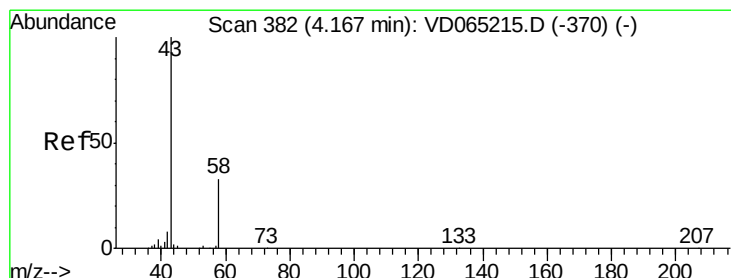
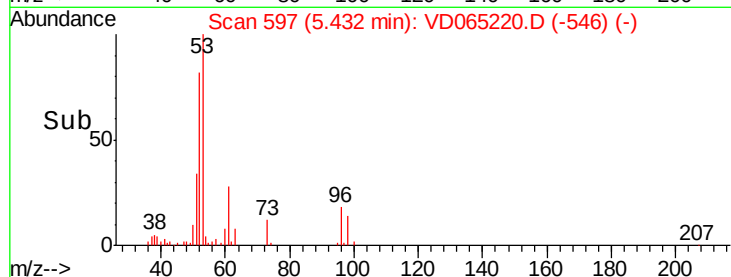
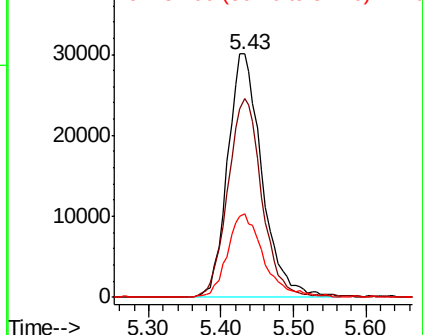
53 100

52 80.5 65.4 98.2

51 36.0 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: 91.392 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065220.D

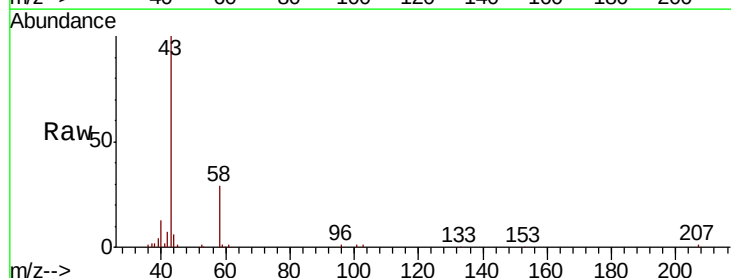
Acq: 18 Feb 2020 15:51

Tgt Ion: 43 Resp: 92035

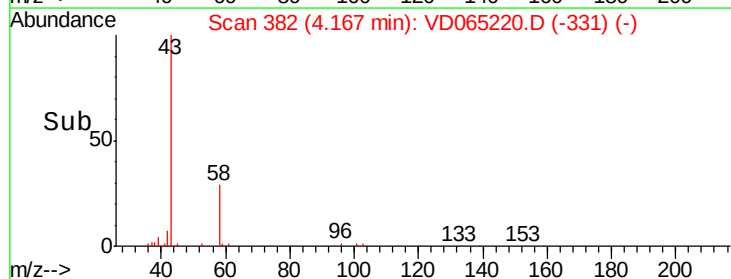
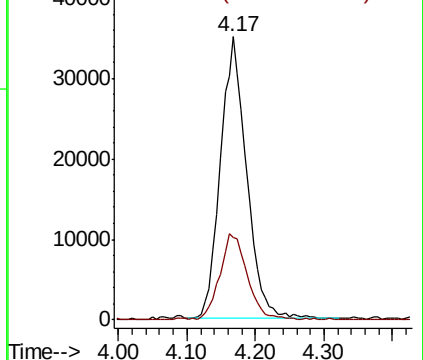
Ion Ratio Lower Upper

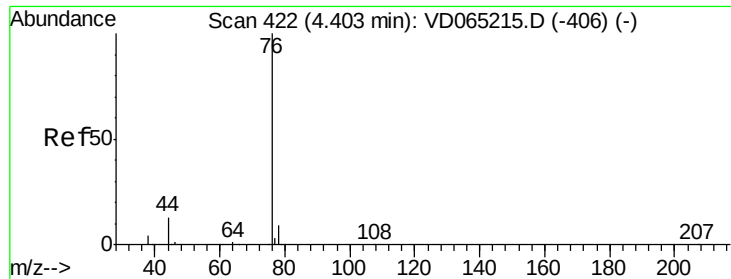
43 100

58 29.3 26.2 39.2



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

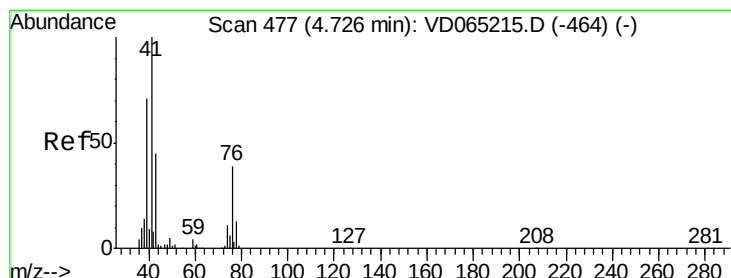
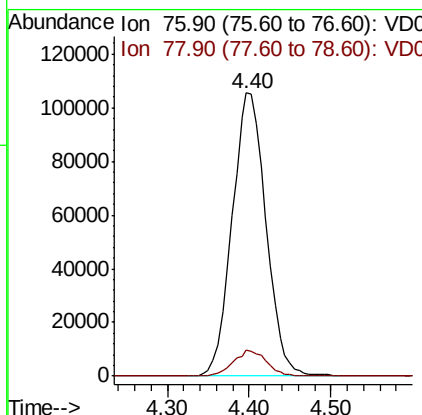
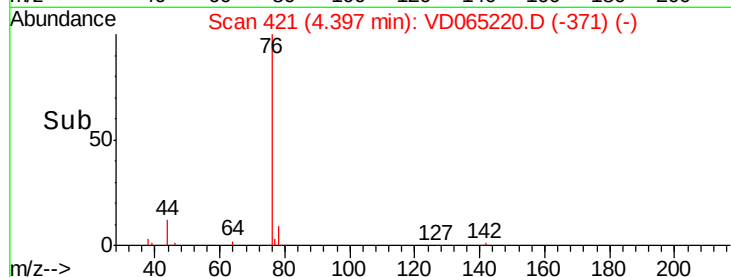
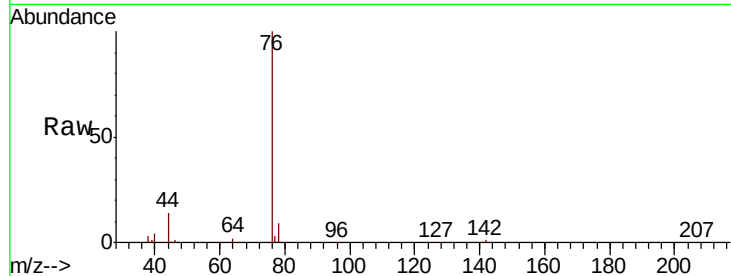




#17
Carbon Disulfide
Concen: 21.352 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

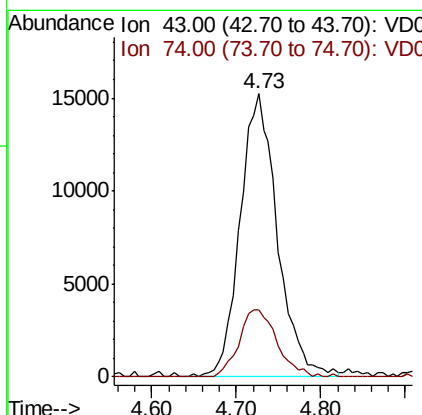
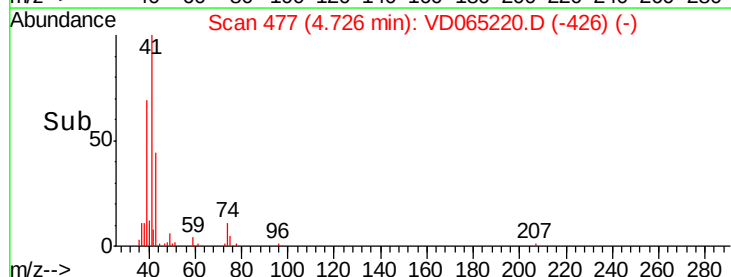
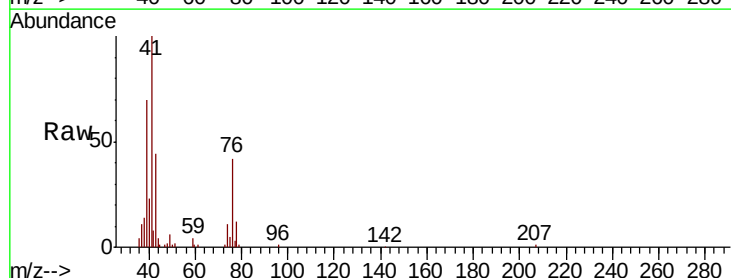
Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

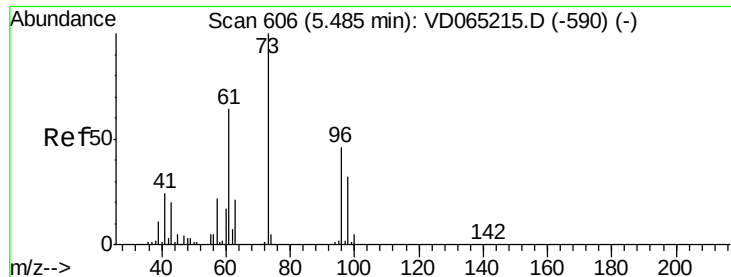
Tot Ion: 76 Resp: 303938
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#18
Methyl Acetate
Concen: 20.593 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion: 43 Resp: 46642
Ion Ratio Lower Upper
43 100
74 24.2 19.4 29.2



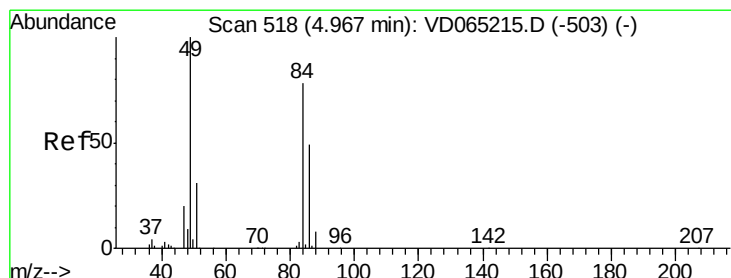
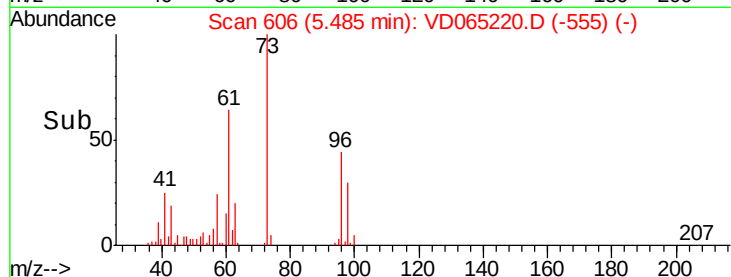
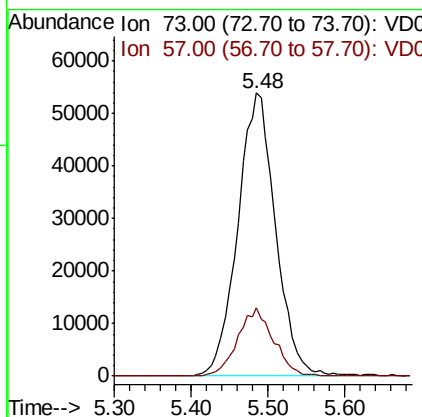
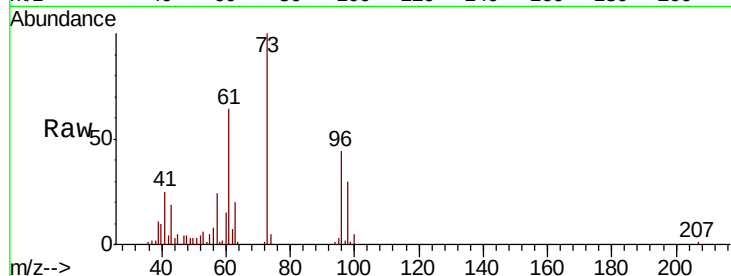


#19

Methyl tert-butyl Ether
 Concen: 20.875 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

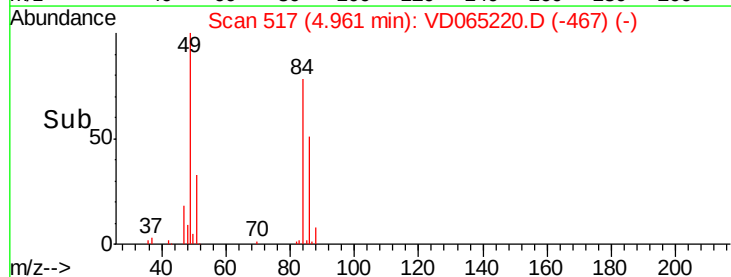
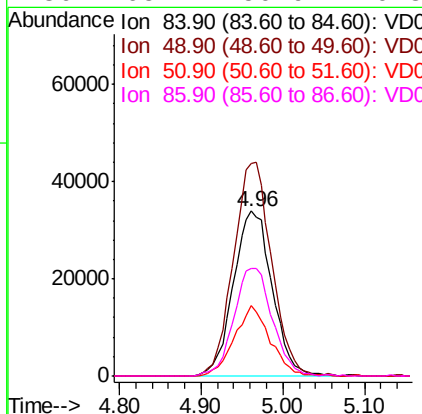
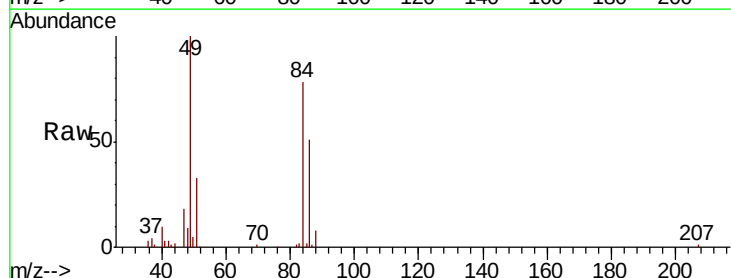
Tot Ion: 73 Resp: 184828
 Ion Ratio Lower Upper
 73 100
 57 24.0 17.3 25.9

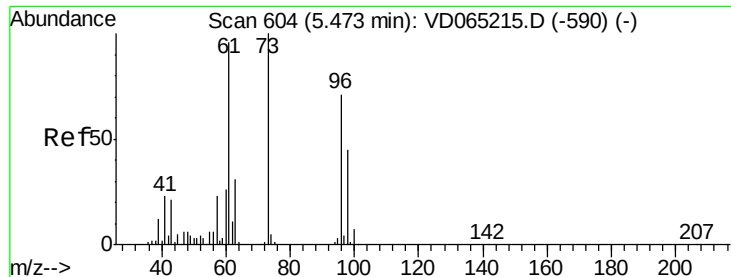


#20

Methylene Chloride
 Concen: 22.366 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Tgt Ion: 84 Resp: 111689
 Ion Ratio Lower Upper
 84 100
 49 128.8 103.1 154.7
 51 42.9 31.7 47.5
 86 65.2 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 21.516 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

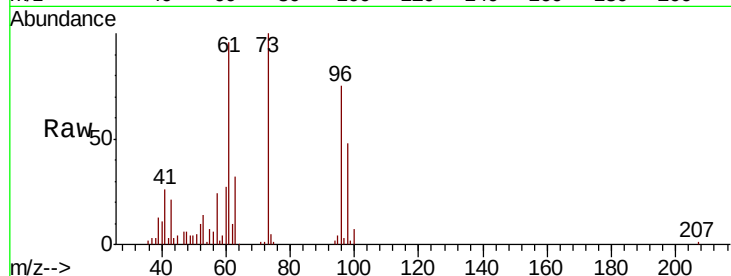
Tot Ion: 96 Resp: 103851

Ion Ratio Lower Upper

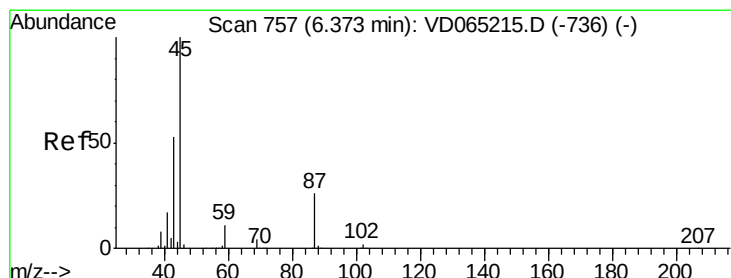
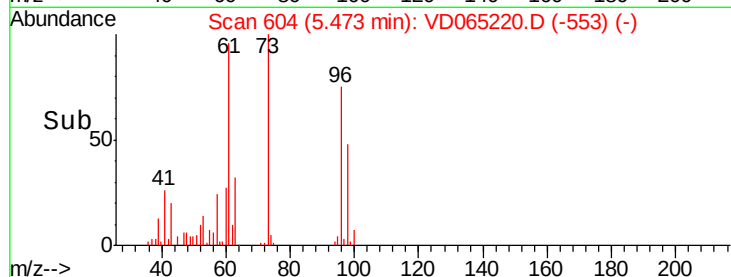
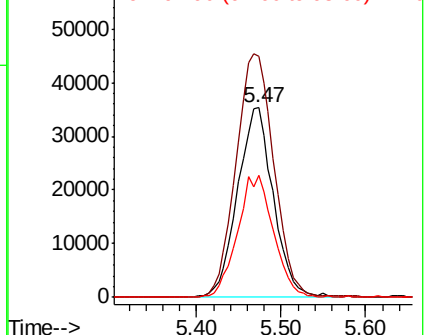
96 100

61 127.4 108.3 162.5

98 64.3 50.7 76.1



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



#22

Diisopropyl ether

Concen: 22.185 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Tgt Ion: 45 Resp: 294869

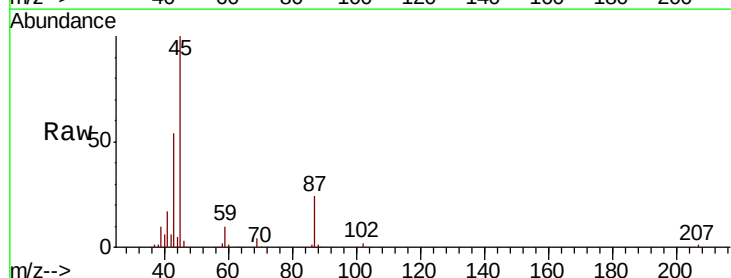
Ion Ratio Lower Upper

45 100

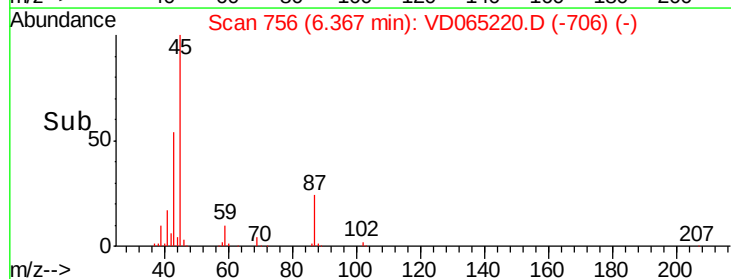
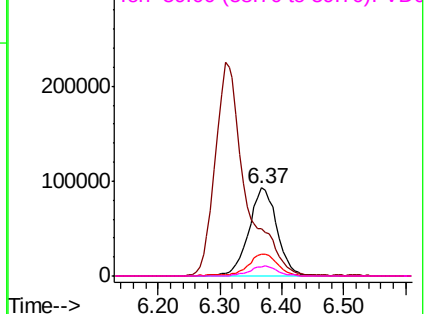
43 53.4 42.6 64.0

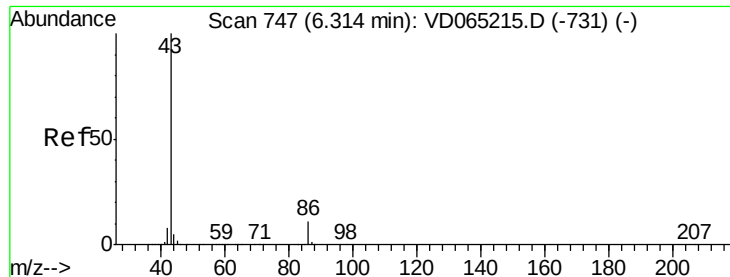
87 24.3 21.2 31.8

59 10.4 8.9 13.3



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





#23

Vinyl Acetate

Concen: 104.605 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

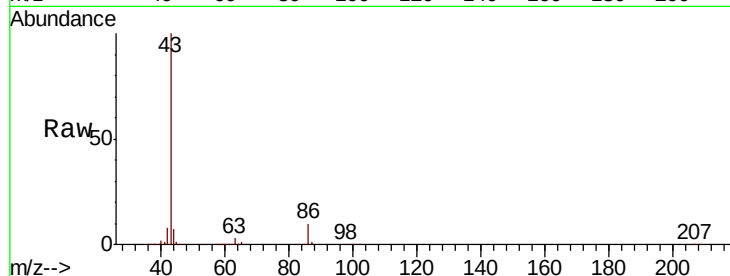
VD0218SBS01

Tot Ion: 43 Resp: 766497

Ion Ratio Lower Upper

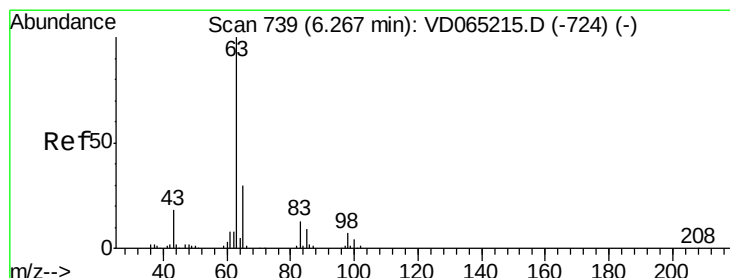
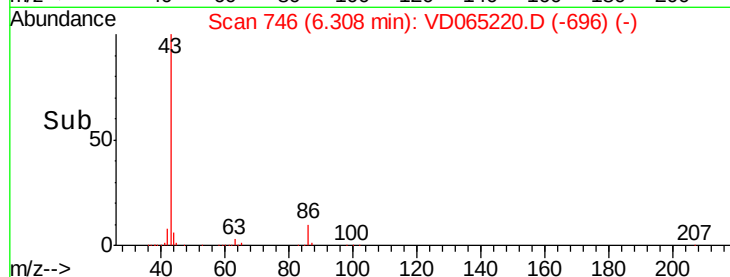
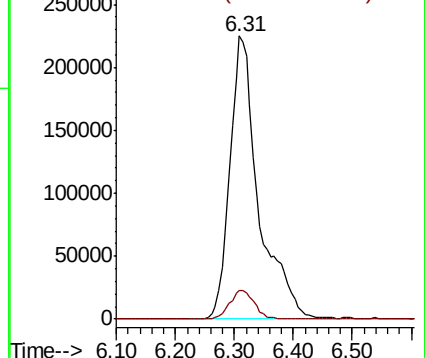
43 100

86 10.4 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: 21.690 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

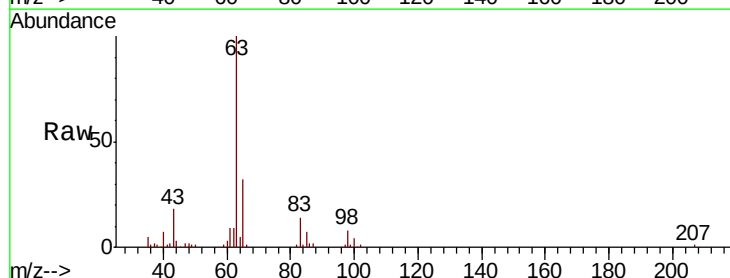
Tgt Ion: 63 Resp: 178820

Ion Ratio Lower Upper

63 100

98 7.8 3.4 10.1

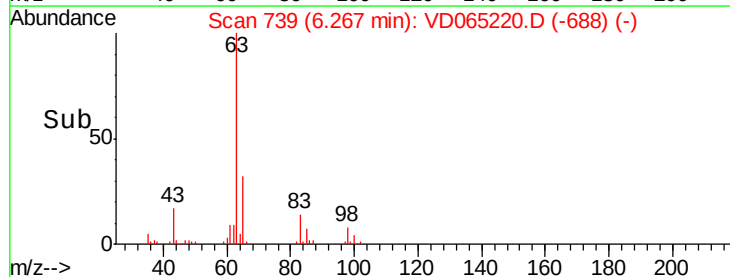
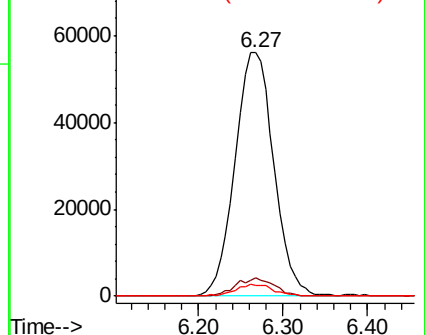
100 4.3 2.3 6.8

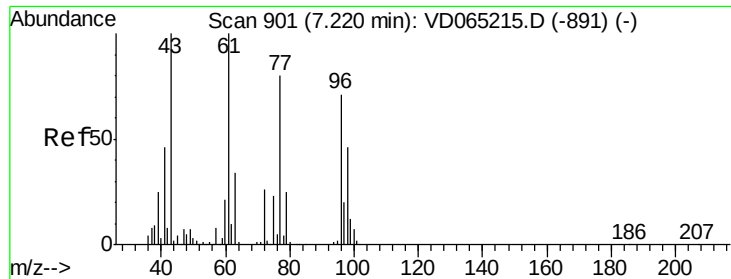


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 96.049 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

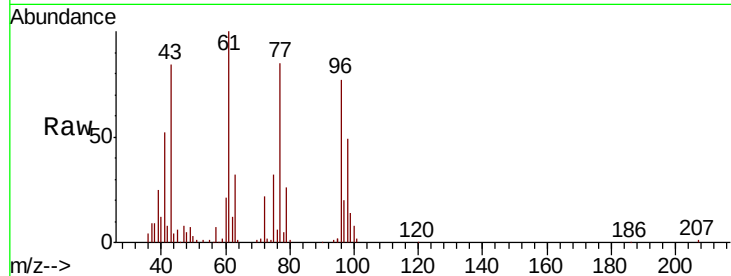
VD0218SBS01

Tot Ion: 43 Resp: 122378

Ion Ratio Lower Upper

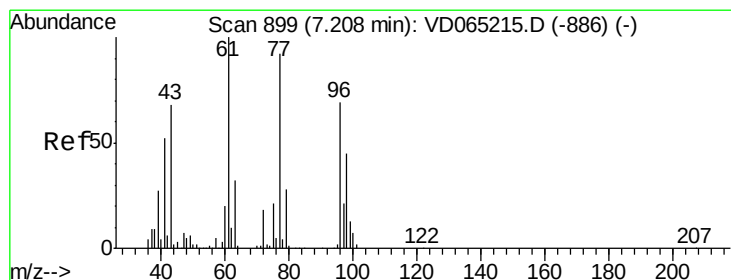
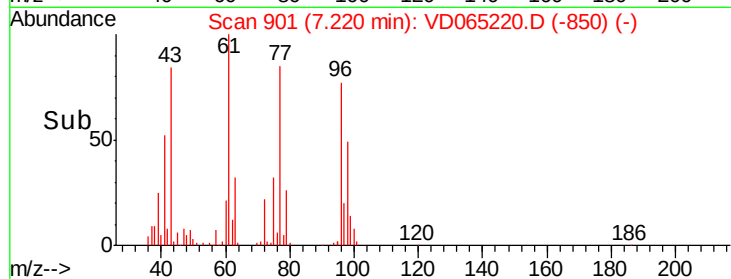
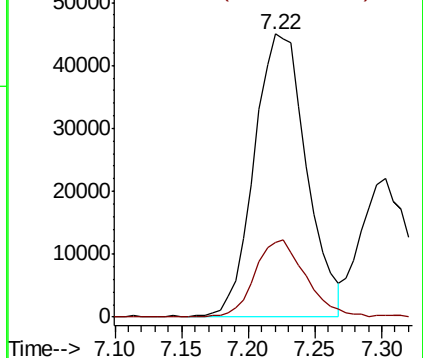
43 100

72 26.5 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.829 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065220.D

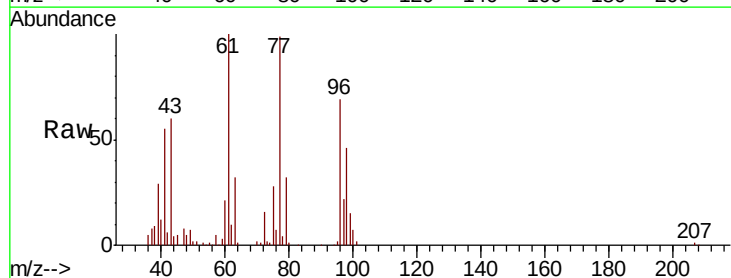
Acq: 18 Feb 2020 15:51

Tgt Ion: 77 Resp: 156143

Ion Ratio Lower Upper

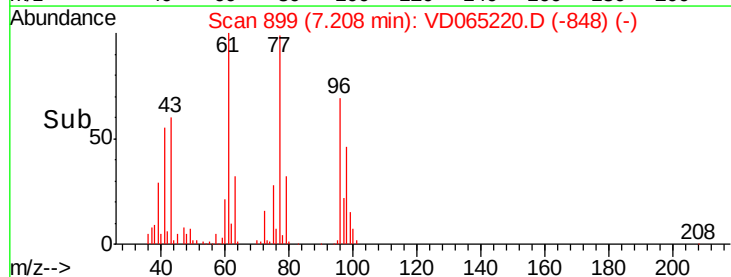
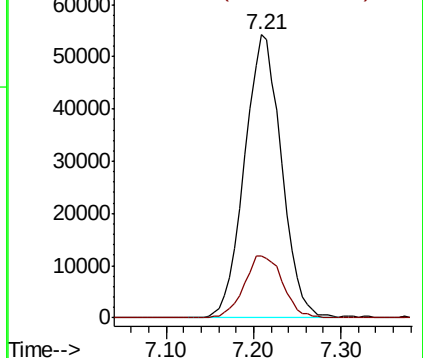
77 100

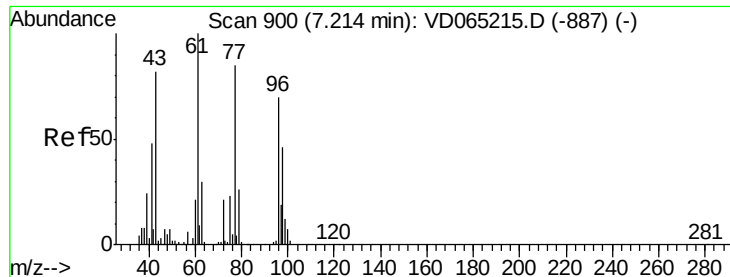
97 22.7 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



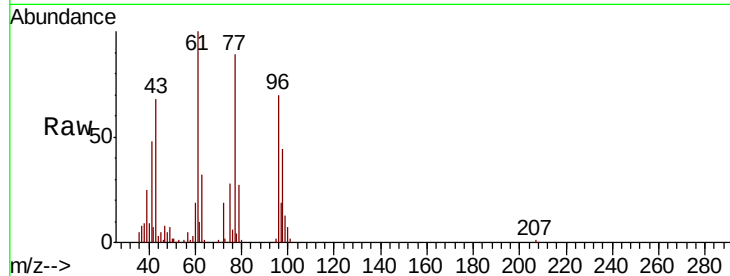


#27

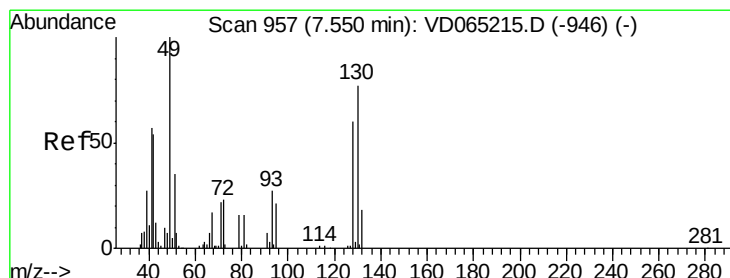
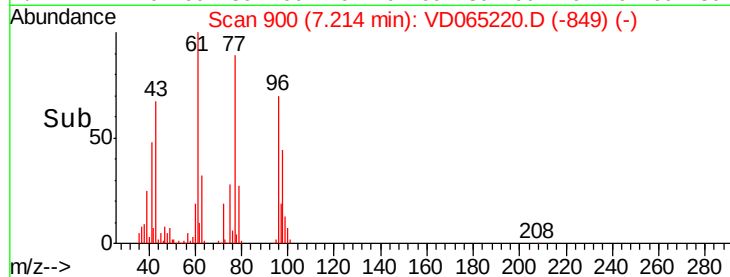
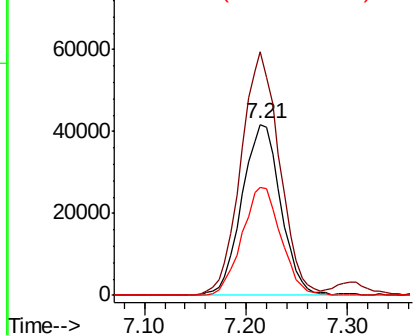
cis-1,2-Dichloroethene
Concen: 21.692 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.5	0.0	286.0
98	63.7	0.0	127.8



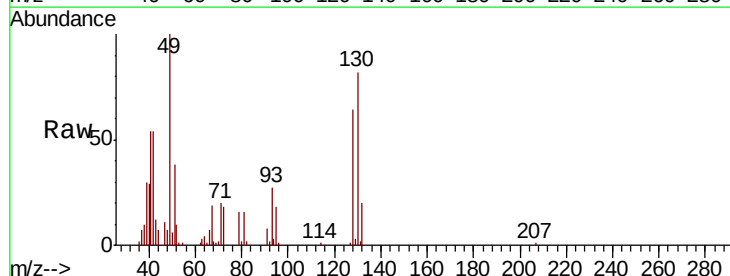
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



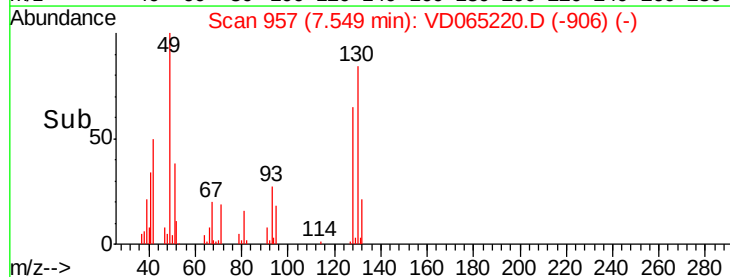
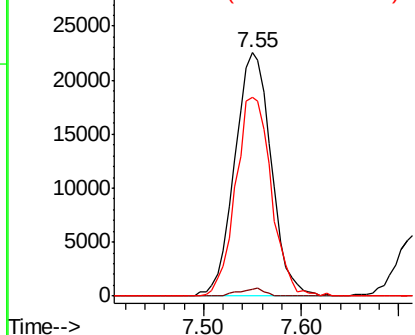
#28

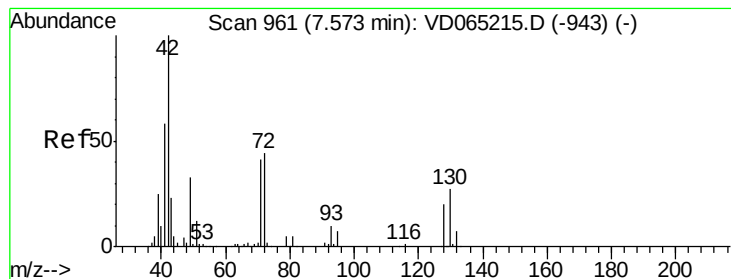
Bromochloromethane
Concen: 19.201 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	80.4	64.7	97.1



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





#29

Tetrahydrofuran

Concen: 105.985 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

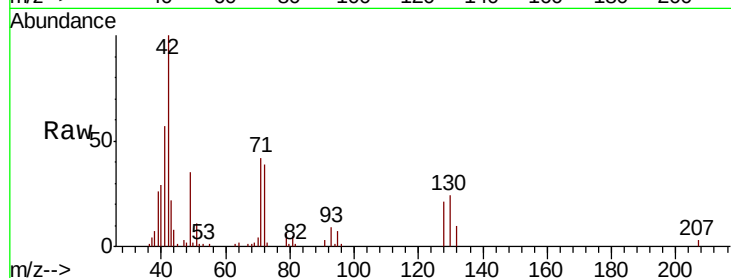
Tot Ion: 42 Resp: 79122

Ion Ratio Lower Upper

42 100

72 39.4 33.7 50.5

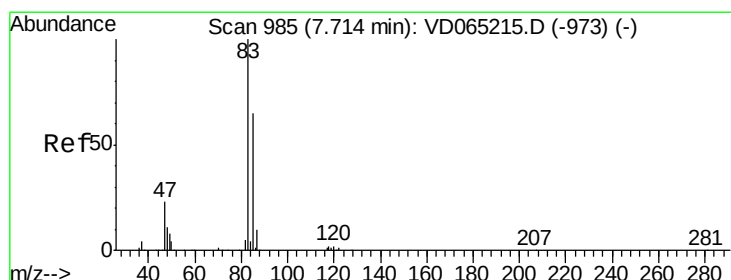
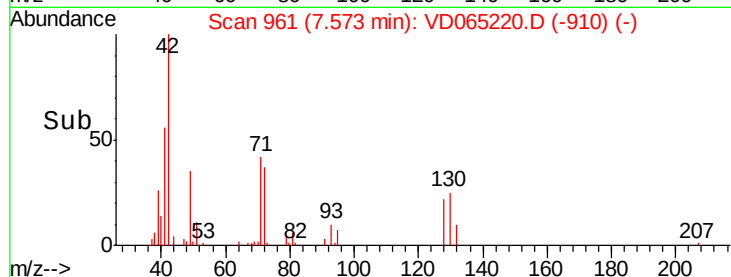
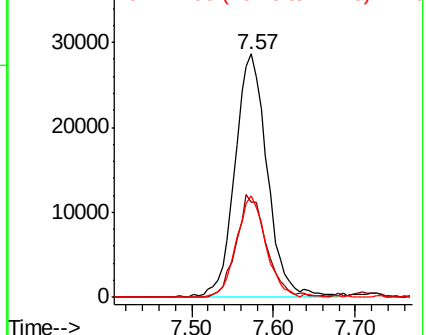
71 37.7 31.4 47.2



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: 21.683 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065220.D

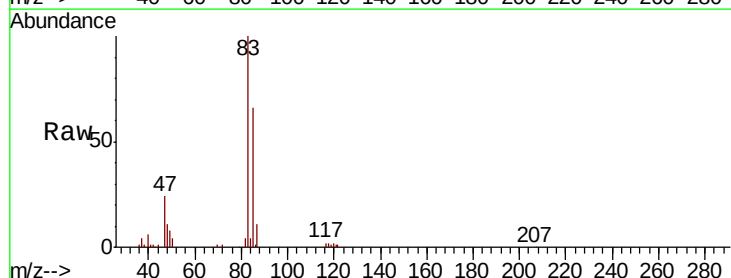
Acq: 18 Feb 2020 15:51

Tgt Ion: 83 Resp: 180093

Ion Ratio Lower Upper

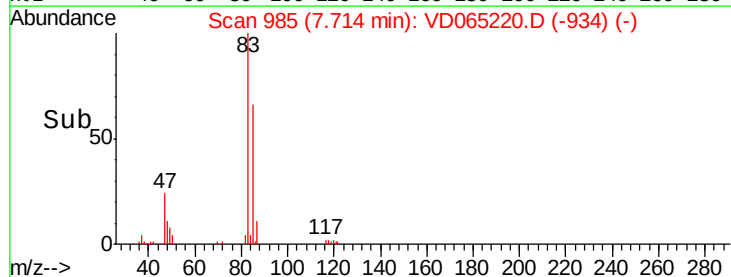
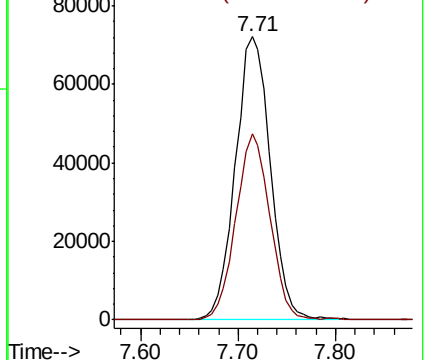
83 100

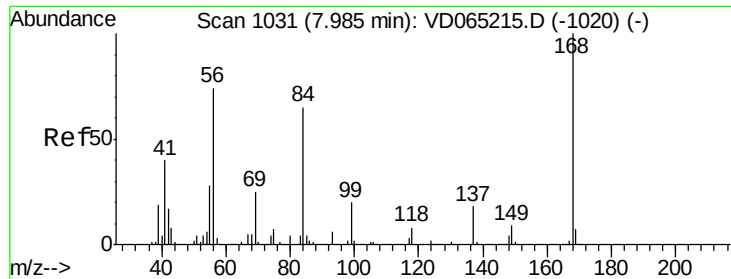
85 65.9 52.3 78.5



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

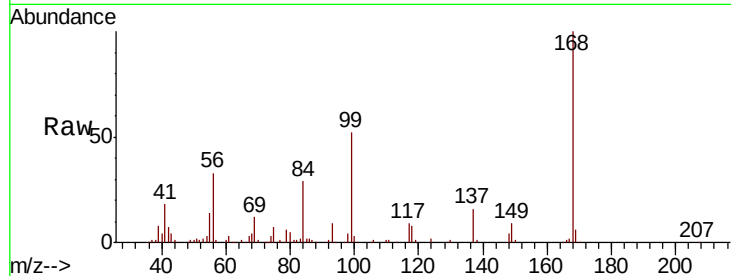




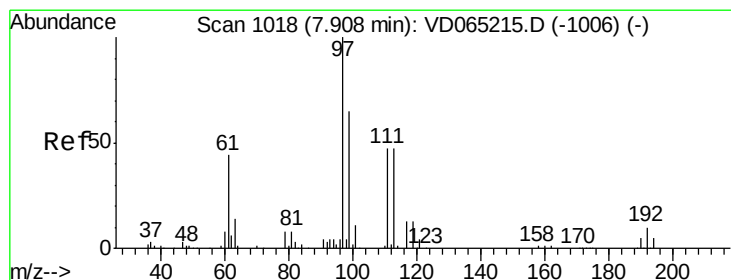
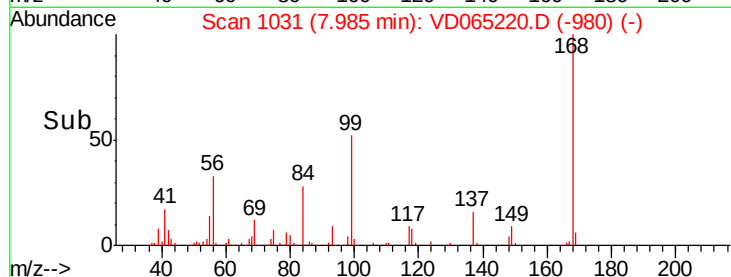
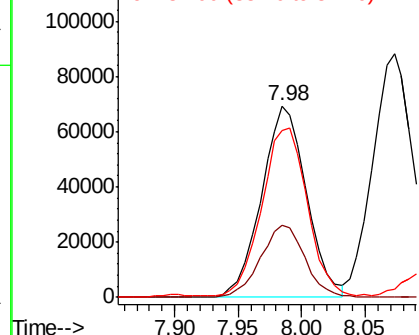
#31
Cyclohexane
Concen: 21.100 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion: 56 Resp: 170913
Ion Ratio Lower Upper
56 100
69 37.5 27.4 41.0
84 86.3 71.1 106.7

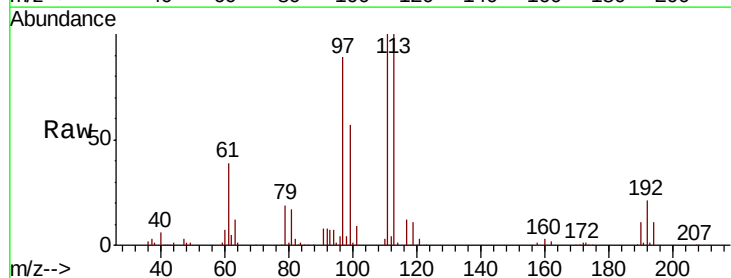


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

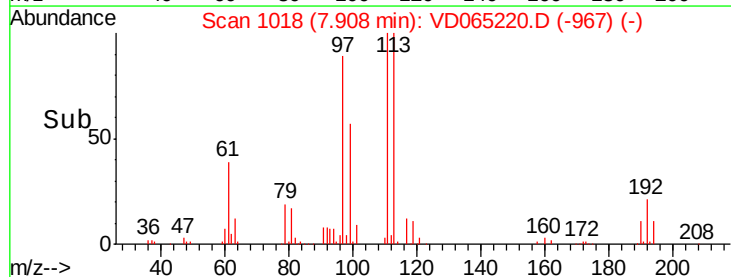
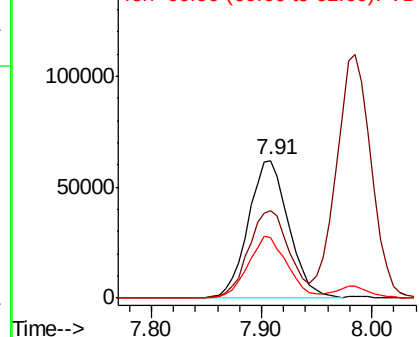


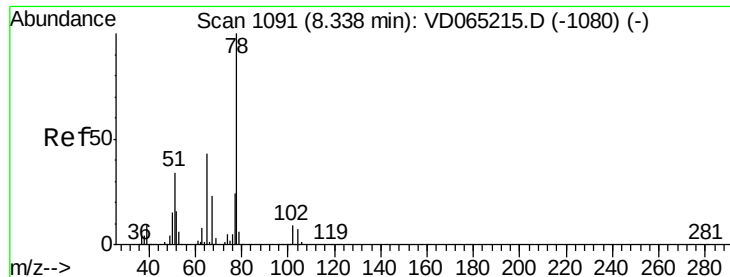
#32
1,1,1-Trichloroethane
Concen: 21.436 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion: 97 Resp: 159298
Ion Ratio Lower Upper
97 100
99 64.3 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

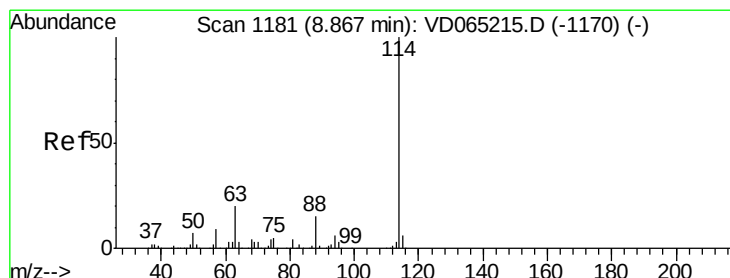
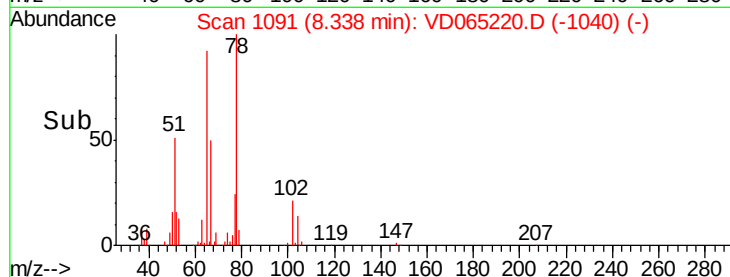
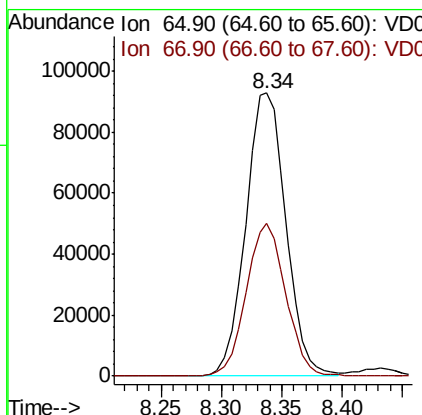
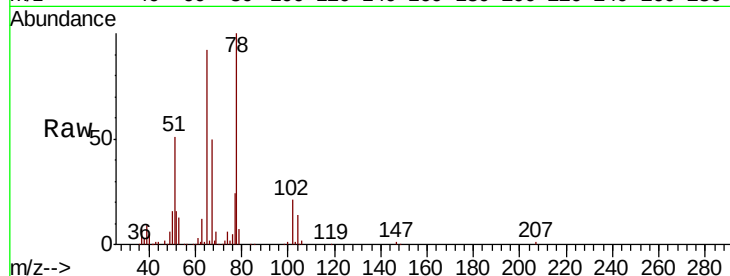




#33
 1,2-Dichloroethane-d4
 Concen: 51.986 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

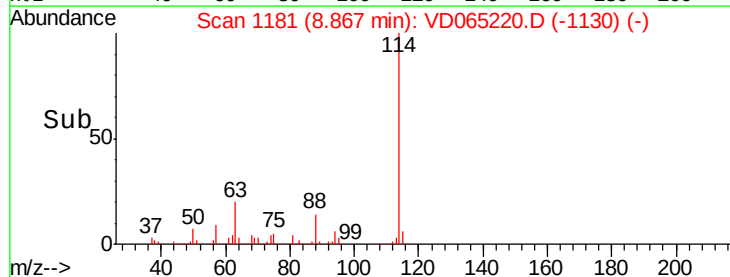
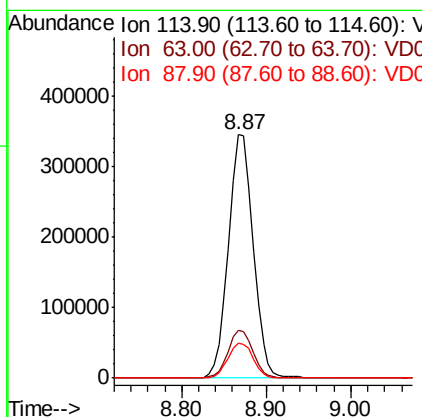
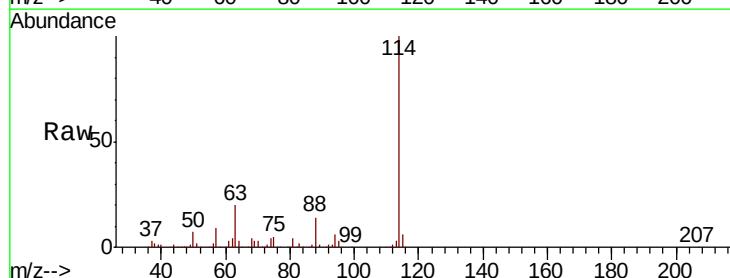
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

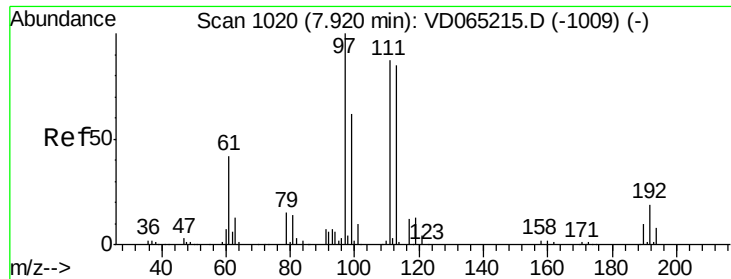
Tot Ion: 65 Resp: 214164
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Tgt Ion: 114 Resp: 699060
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.4
 88 14.2 0.0 30.4

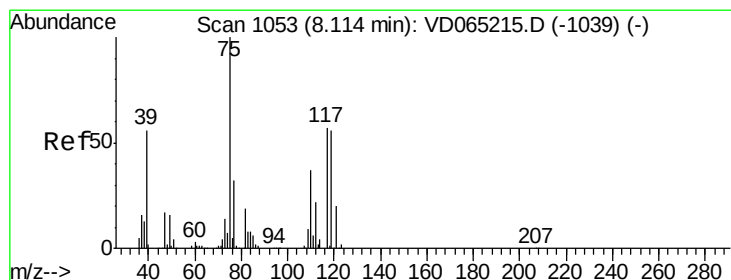
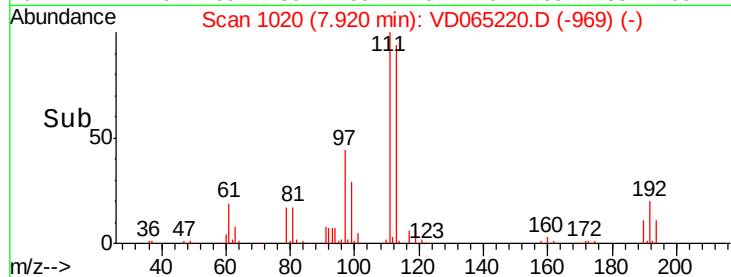
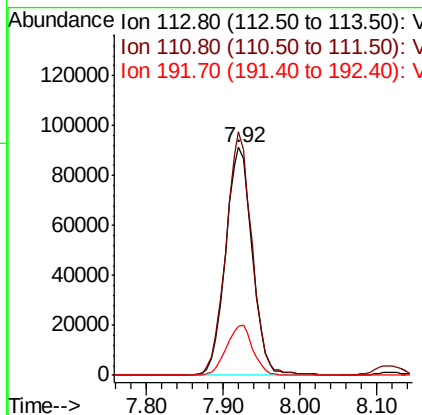
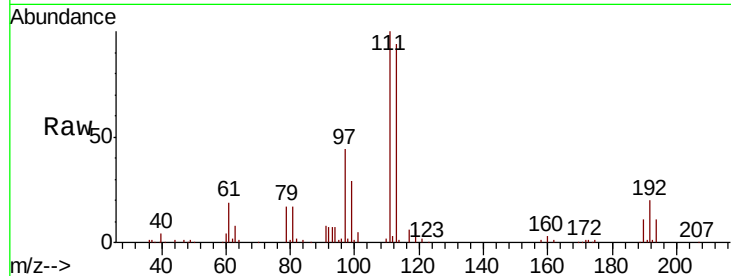




#35
 Dibromofluoromethane
 Concen: 51.916 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

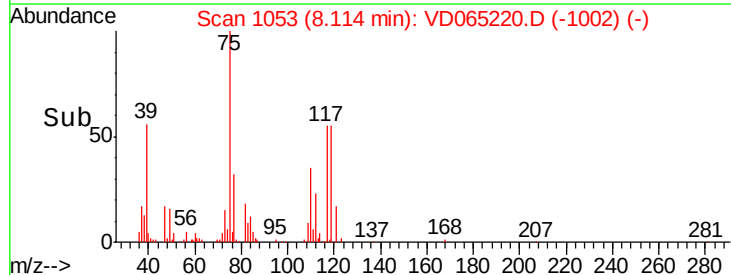
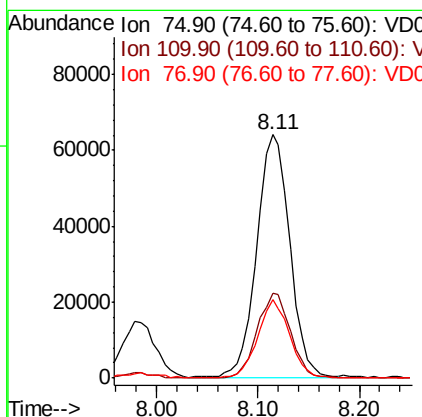
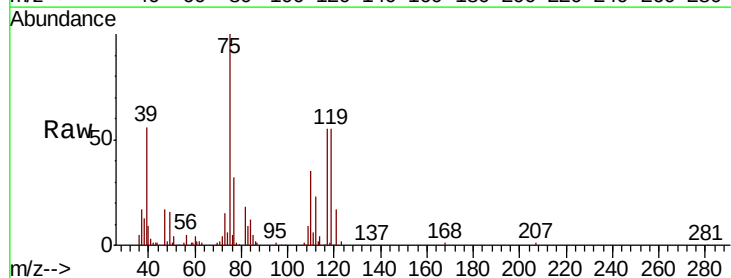
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

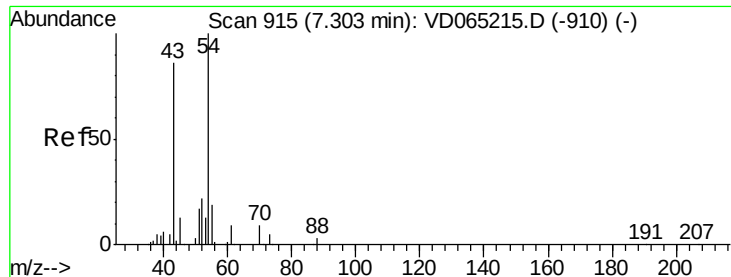
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.9	124.3
192	21.7	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 21.492 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.9	53.7
77	31.2	25.1	37.7

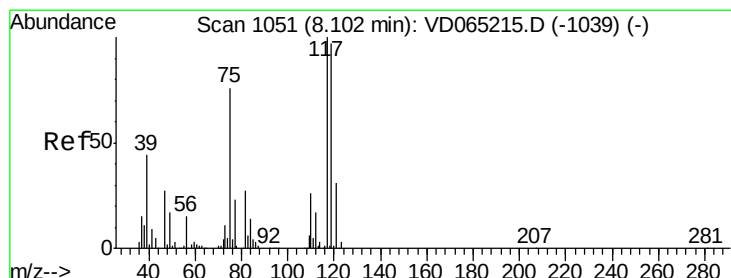
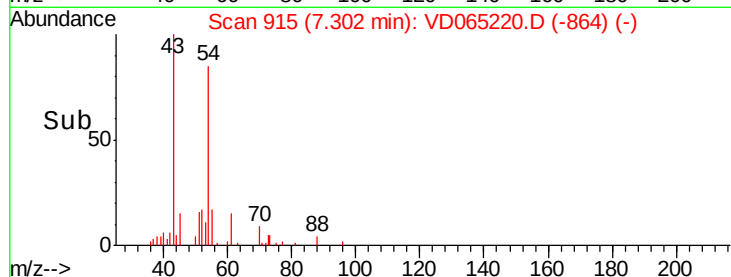
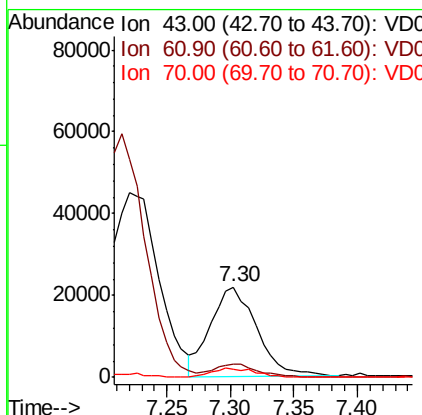
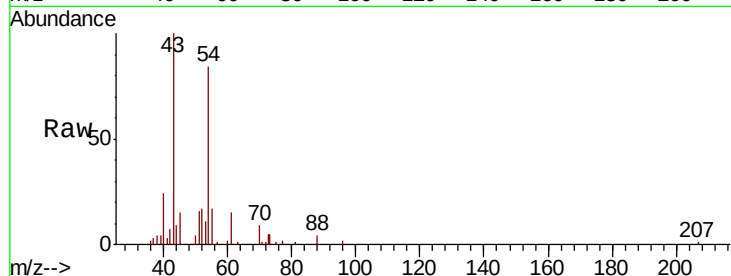




#37
Ethyl Acetate
Concen: 19.329 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

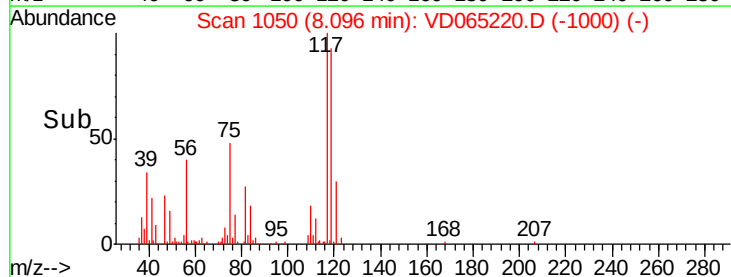
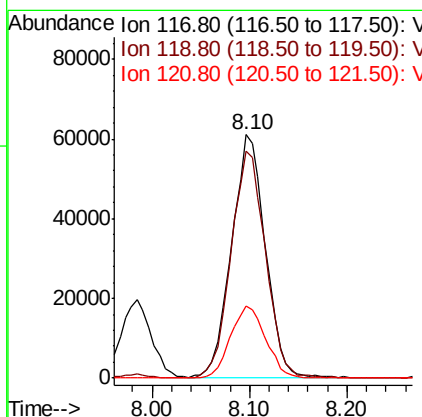
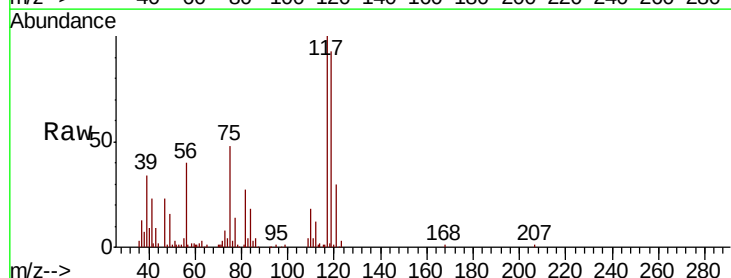
Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

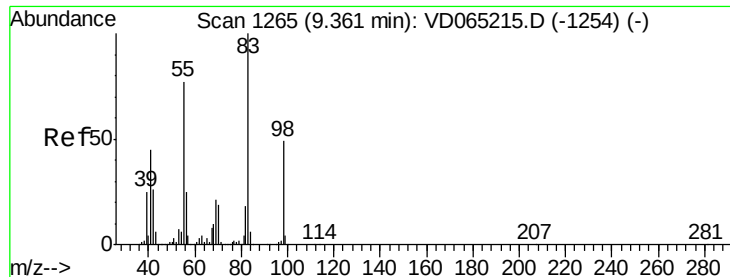
Tot Ion: 43 Resp: 54962
Ion Ratio Lower Upper
43 100
61 15.1 11.2 16.8
70 9.6 8.2 12.2



#38
Carbon Tetrachloride
Concen: 21.001 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion: 117 Resp: 145414
Ion Ratio Lower Upper
117 100
119 93.3 77.6 116.4
121 29.9 24.8 37.2

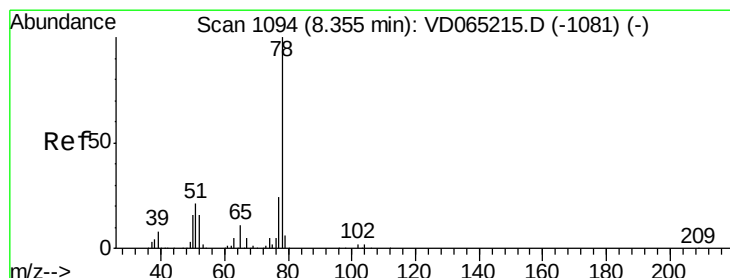
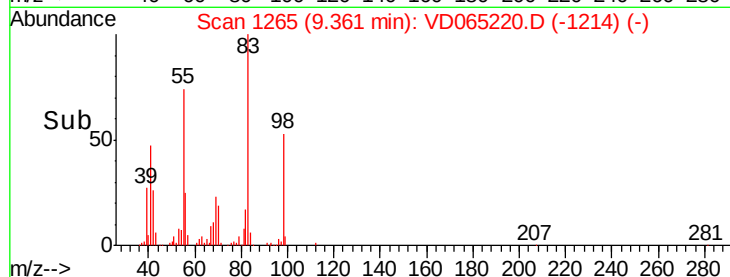
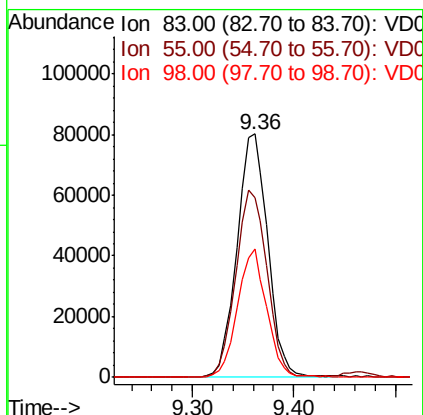
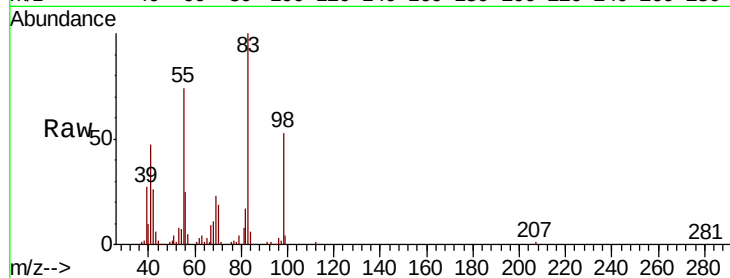




#39
Methylvlcyclohexane
Concen: 21.187 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

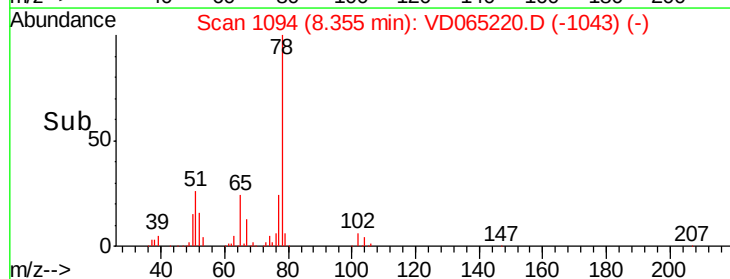
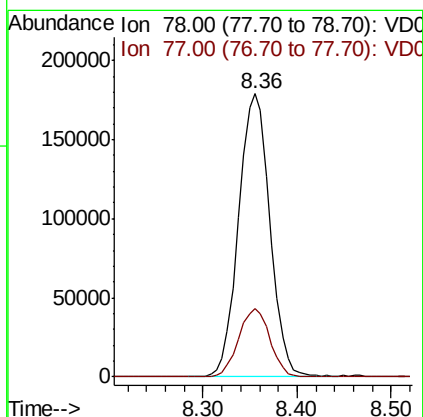
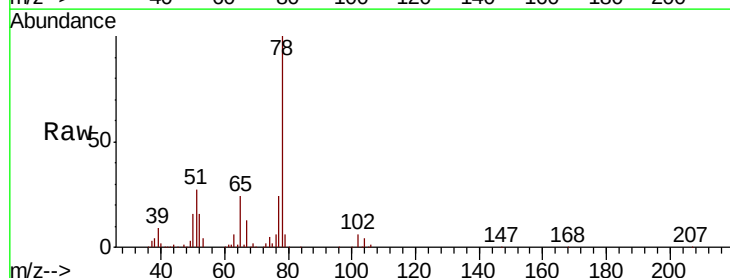
Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

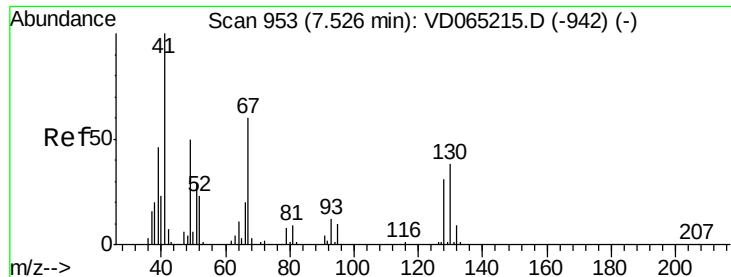
Tot Ion: 83 Resp: 169423
Ion Ratio Lower Upper
83 100
55 73.6 61.8 92.6
98 52.8 39.4 59.0



#40
Benzene
Concen: 21.584 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion: 78 Resp: 414400
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6





#41

Methacrylonitrile

Concen: 12.092 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

Tot Ion: 41 Resp: 19853

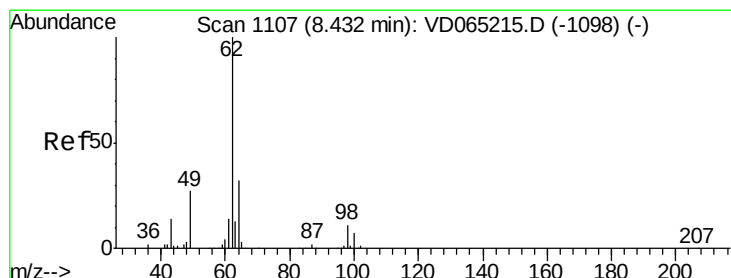
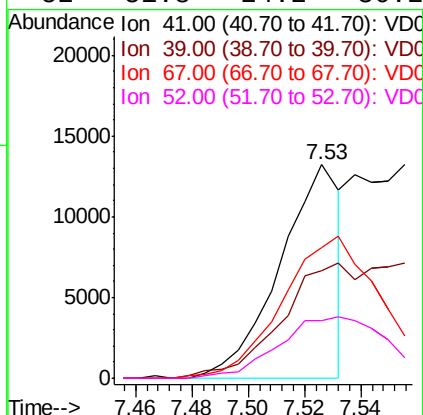
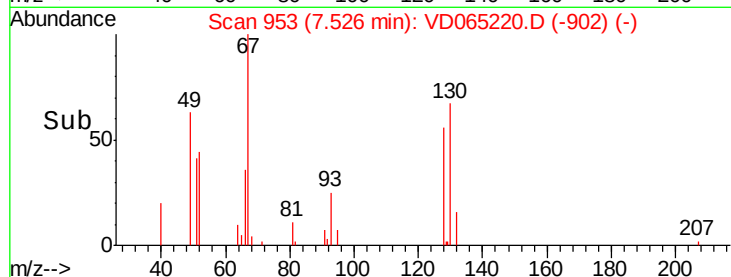
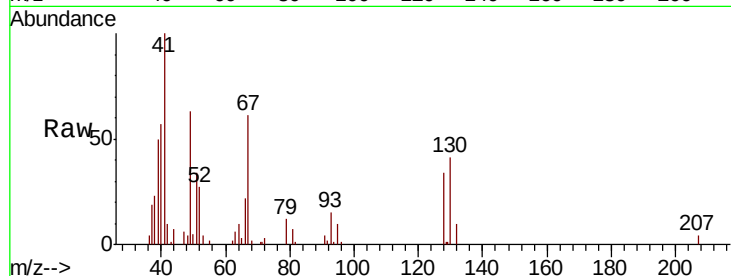
Ion Ratio Lower Upper

41 100

39 65.8 48.1 72.1

67 110.9 58.9 88.3#

52 51.8 24.2 36.2#



#42

1,2-Dichloroethane

Concen: 21.025 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD065220.D

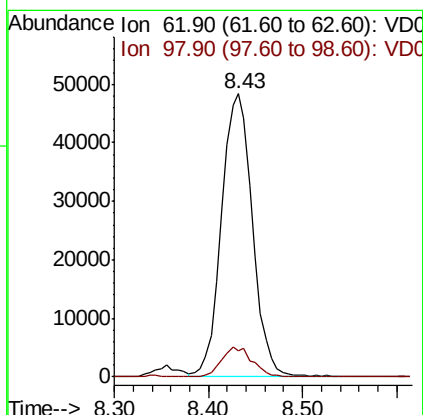
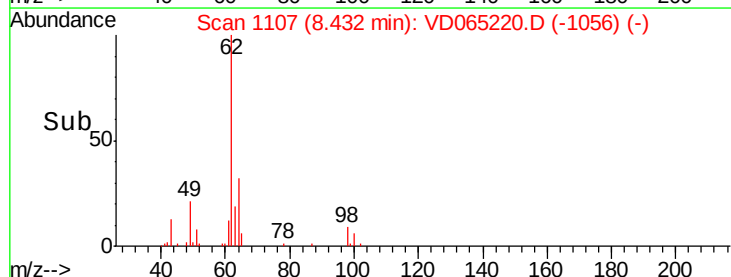
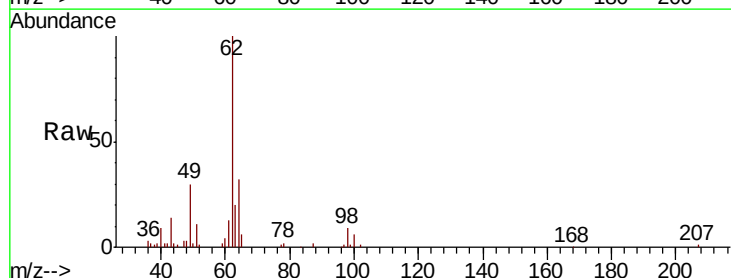
Acq: 18 Feb 2020 15:51

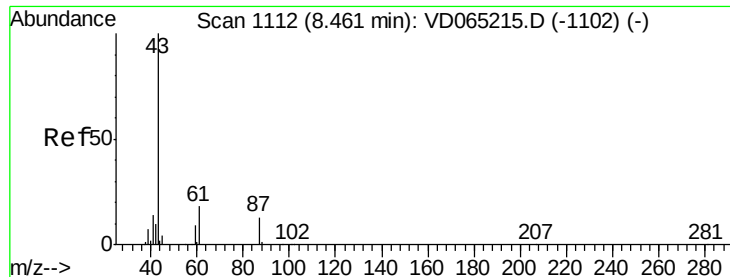
Tgt Ion: 62 Resp: 110973

Ion Ratio Lower Upper

62 100

98 10.3 0.0 20.6





#43

Isopropyl Acetate

Concen: 20.281 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

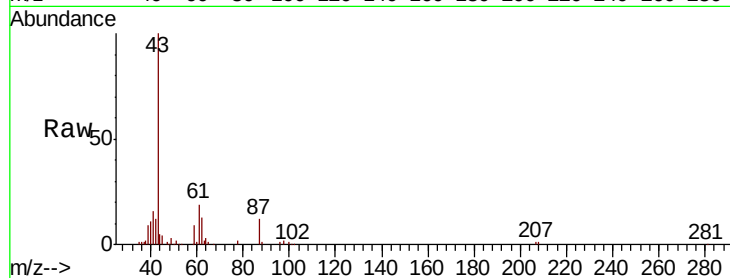
Tot Ion: 43 Resp: 104868

Ion Ratio Lower Upper

43 100

61 31.4 24.6 36.8

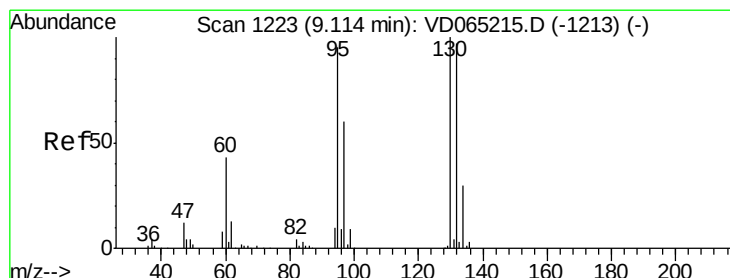
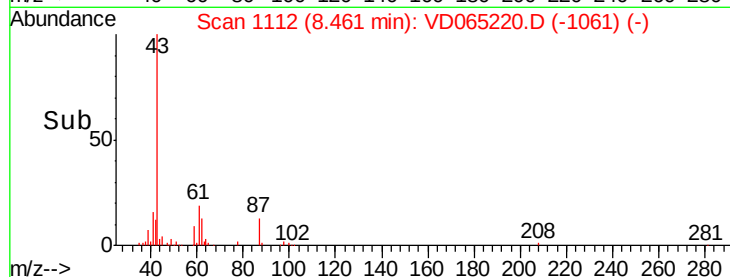
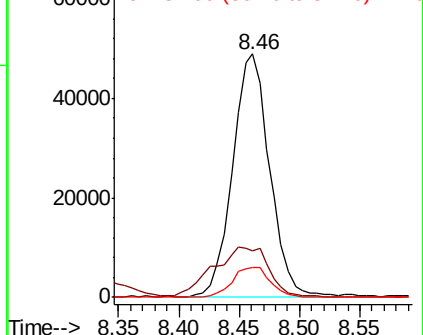
87 12.6 10.6 16.0



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: 21.497 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065220.D

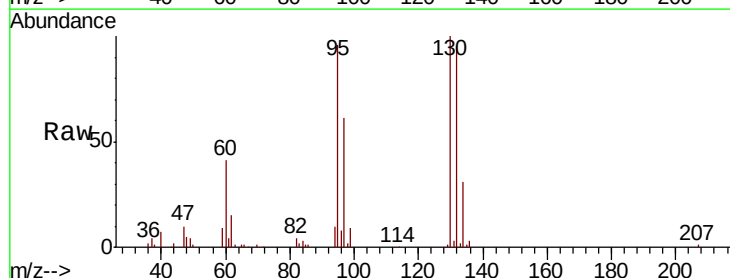
Acq: 18 Feb 2020 15:51

Tgt Ion:130 Resp: 114404

Ion Ratio Lower Upper

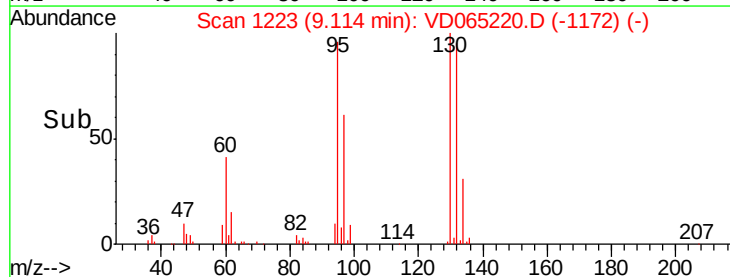
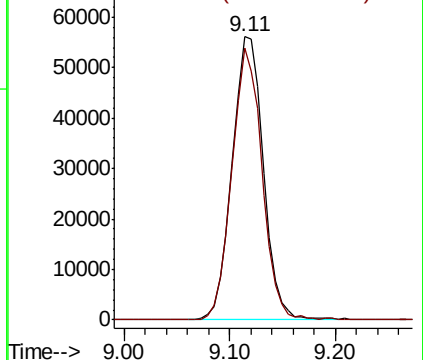
130 100

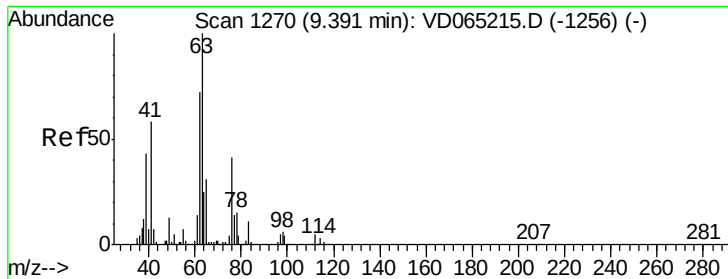
95 96.0 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

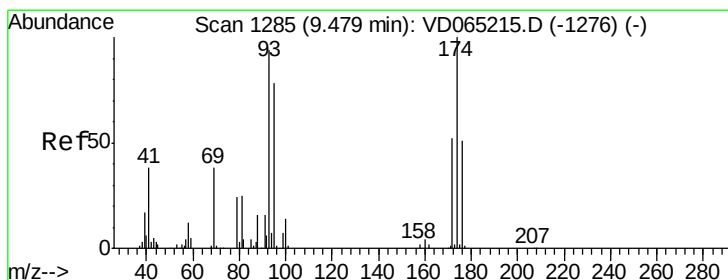
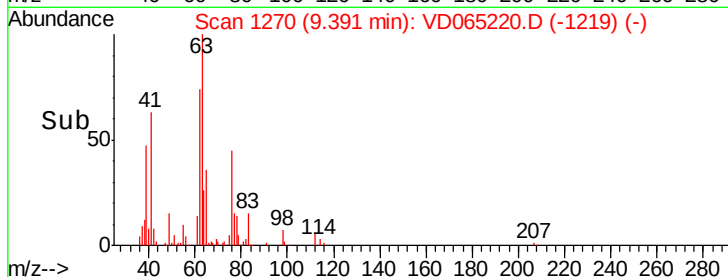
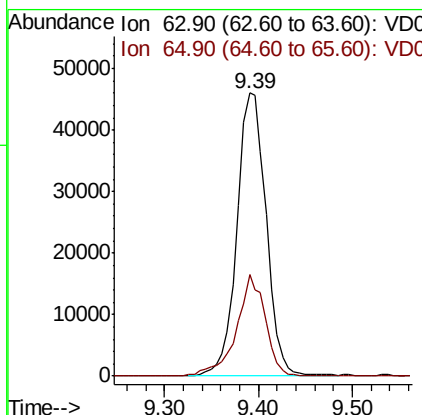
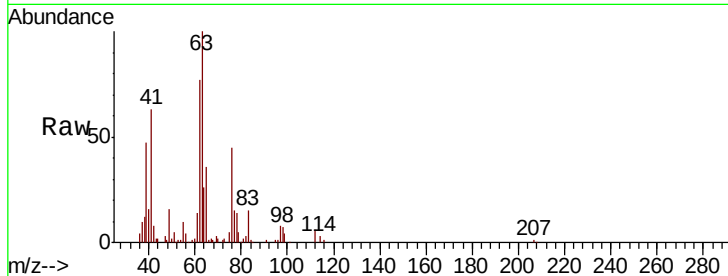




#45
 1,2-Dichloropropane
 Concen: 20.792 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

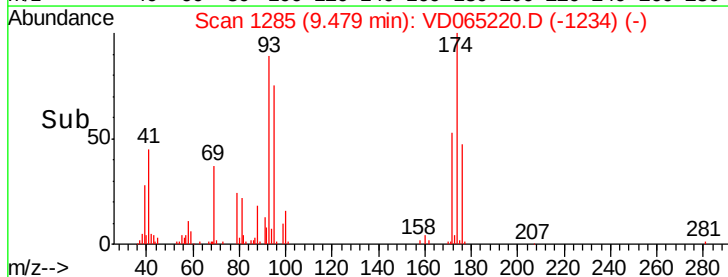
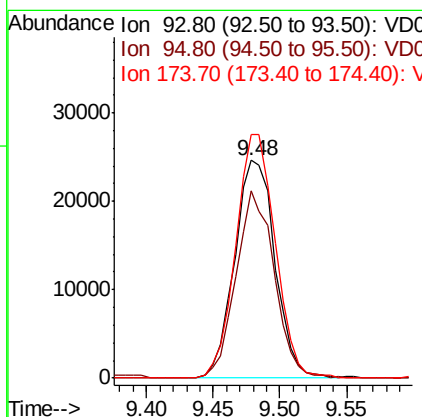
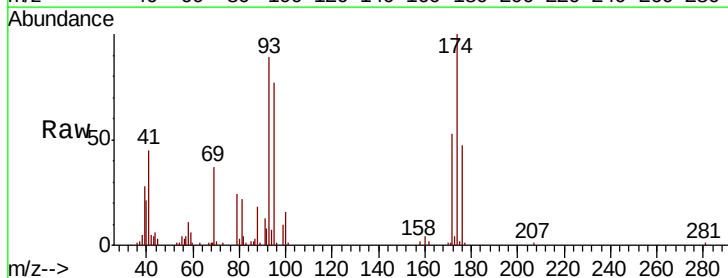
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

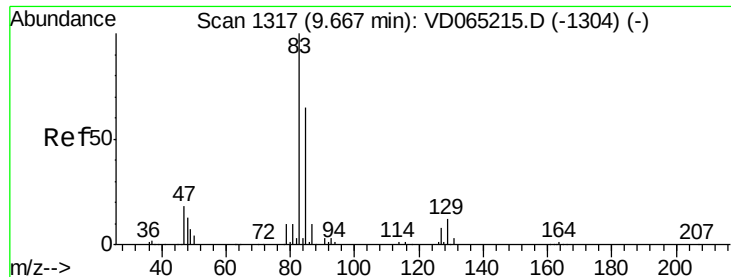
Tot Ion: 63 Resp: 99260
 Ion Ratio Lower Upper
 63 100
 65 35.8 24.9 37.3



#46
 Dibromomethane
 Concen: 21.020 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Tgt Ion: 93 Resp: 51631
 Ion Ratio Lower Upper
 93 100
 95 81.5 65.8 98.6
 174 109.4 86.8 130.2





#47

Bromodichloromethane

Concen: 21.361 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

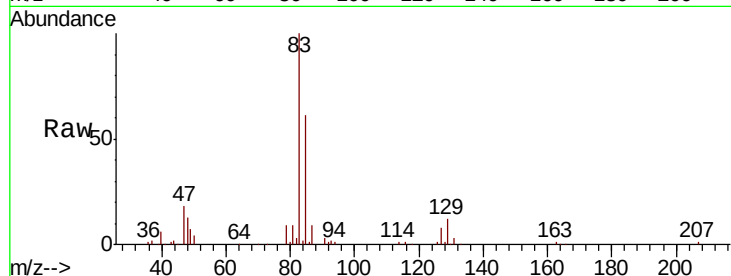
Tot Ion: 83 Resp: 138277

Ion Ratio Lower Upper

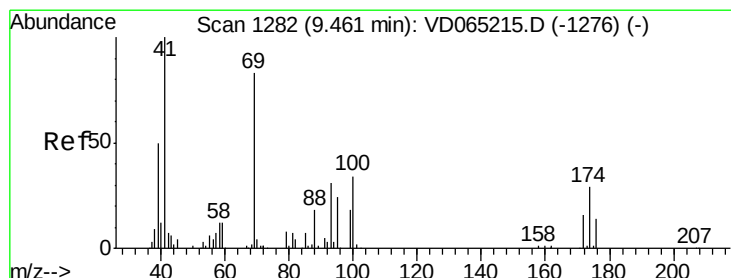
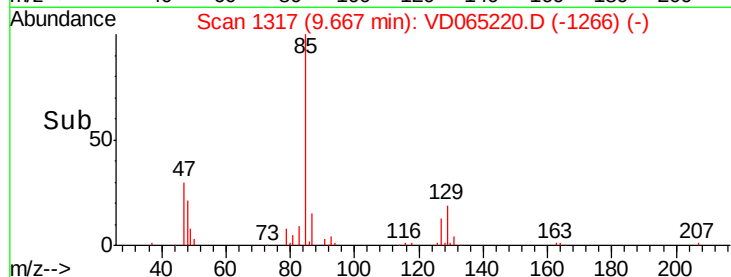
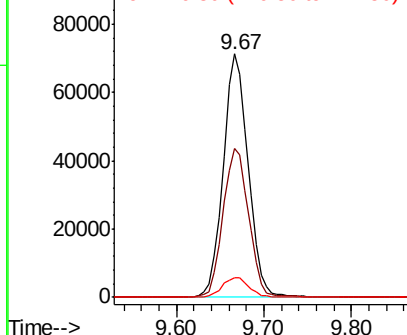
83 100

85 61.3 52.0 78.0

127 7.8 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: 20.294 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

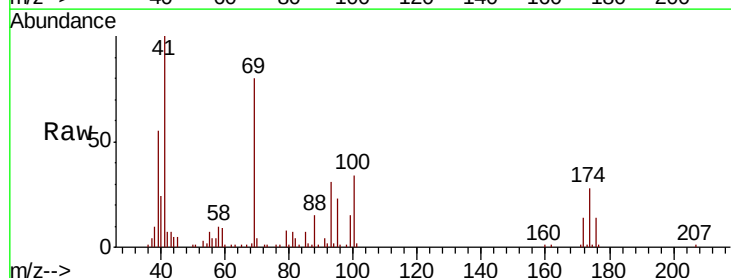
Tgt Ion: 41 Resp: 48504

Ion Ratio Lower Upper

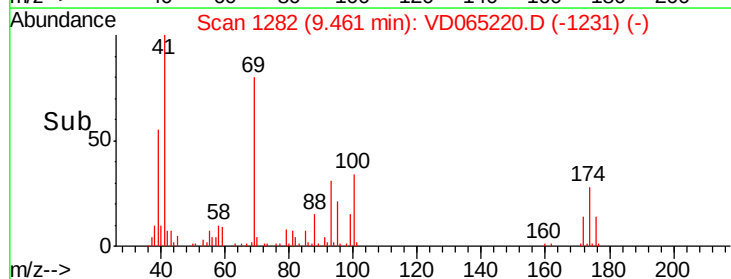
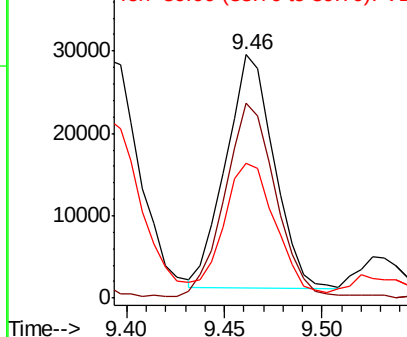
41 100

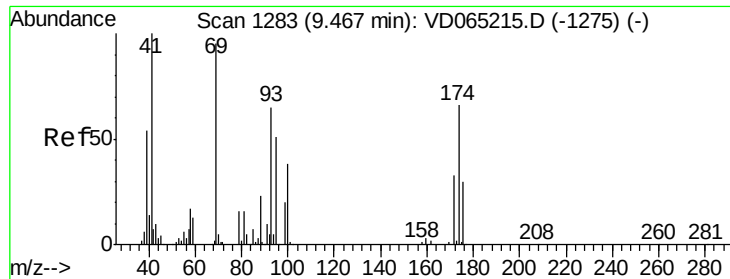
69 89.5 68.2 102.2

39 57.8 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

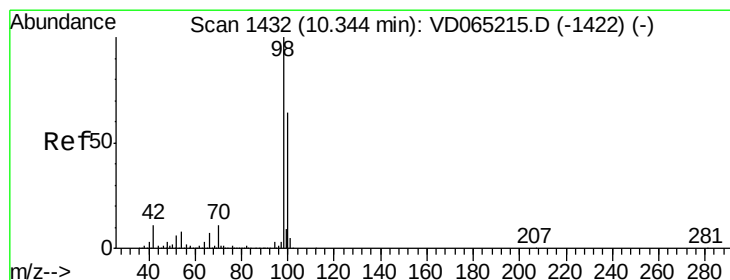
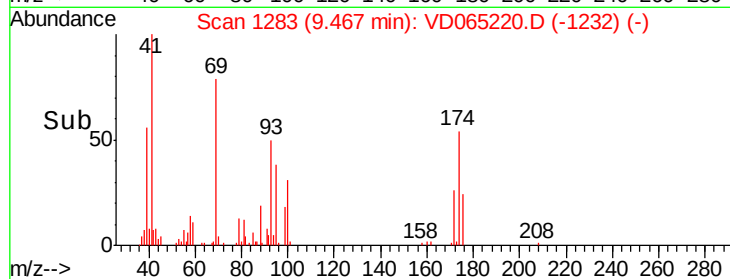
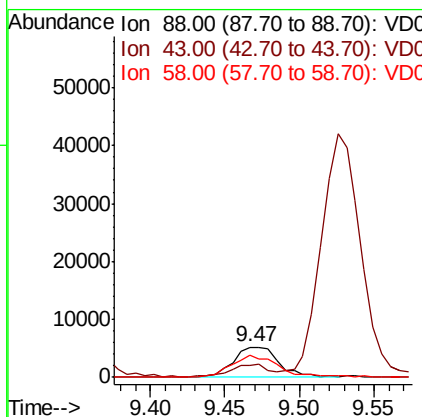
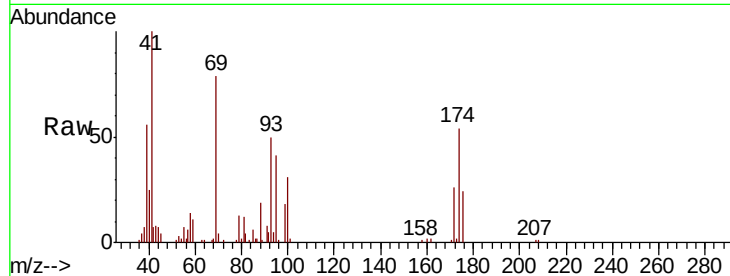




#49
1,4-Dioxane
Concen: 388.457 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

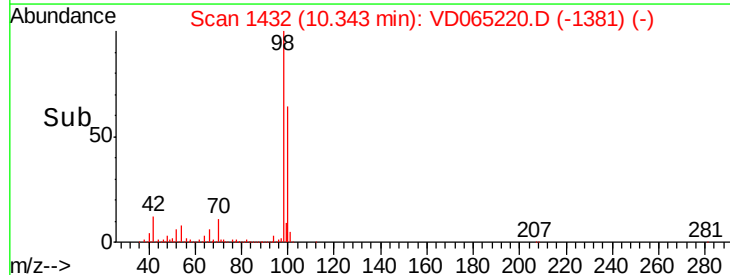
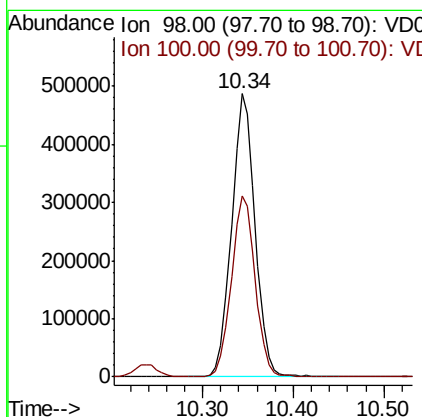
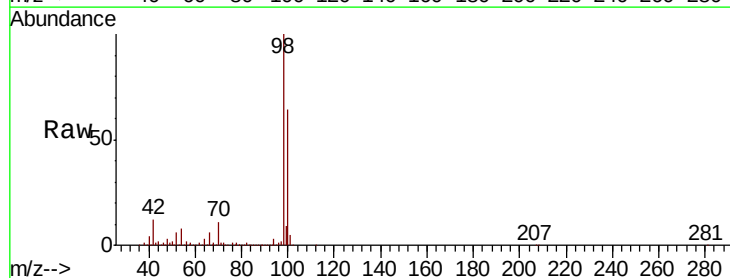
Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

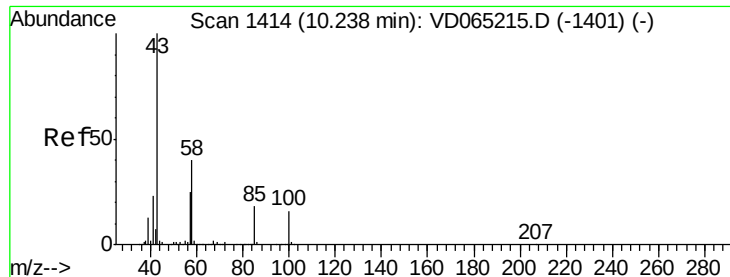
Tot Ion: 88 Resp: 11191
Ion Ratio Lower Upper
88 100
43 36.5 28.5 42.7
58 76.5 58.6 87.8



#50
Toluene-d8
Concen: 53.695 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion: 98 Resp: 874964
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0

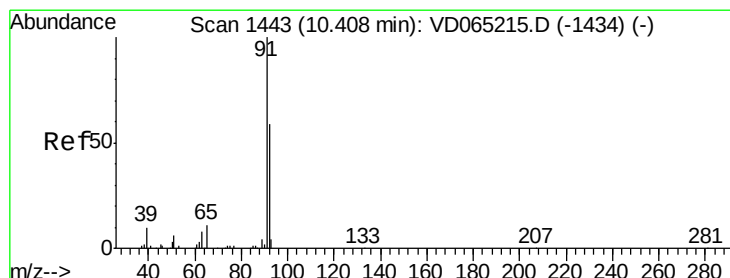
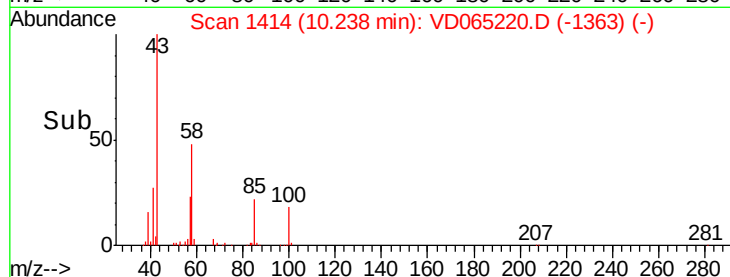
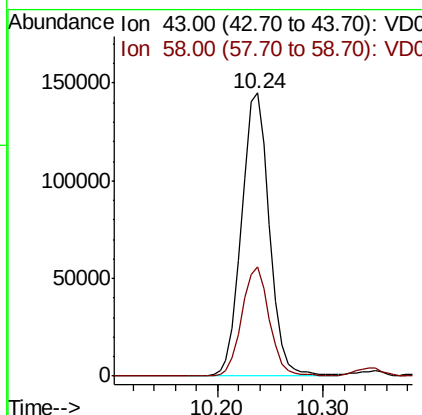
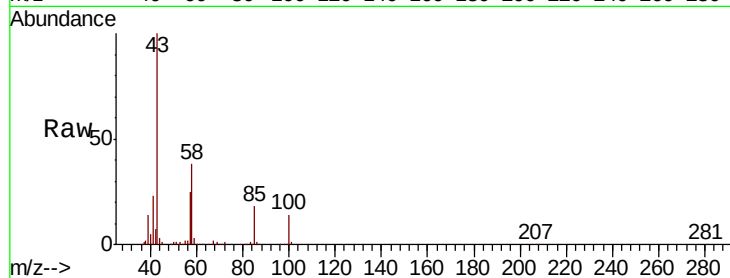




#51
4-Methyl-2-Pentanone
Concen: 101.055 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

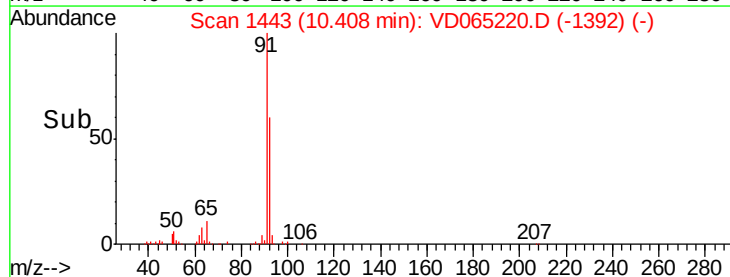
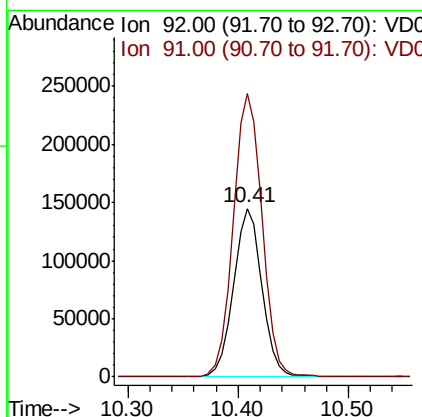
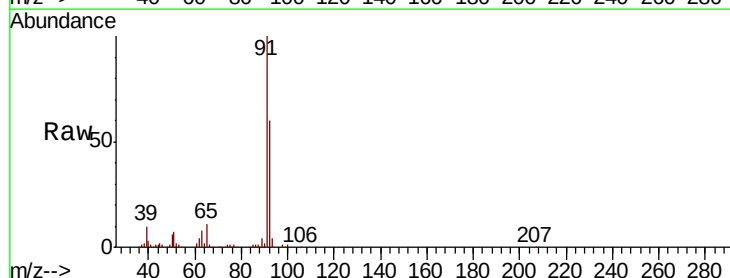
Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

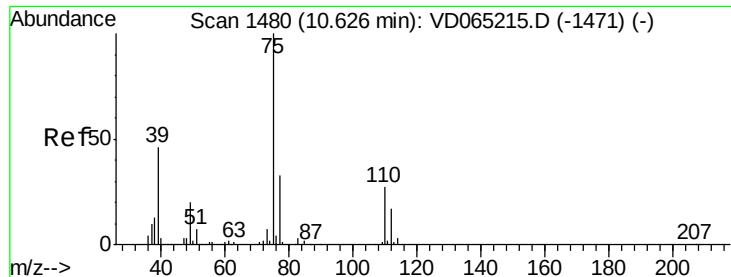
Tot Ion: 43 Resp: 265404
Ion Ratio Lower Upper
43 100
58 38.0 31.1 46.7



#52
Toluene
Concen: 21.947 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion: 92 Resp: 260809
Ion Ratio Lower Upper
92 100
91 171.5 136.3 204.5

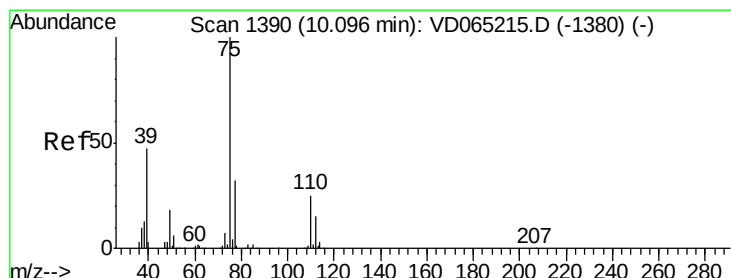
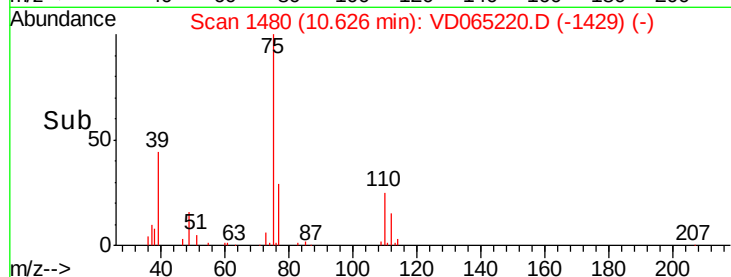
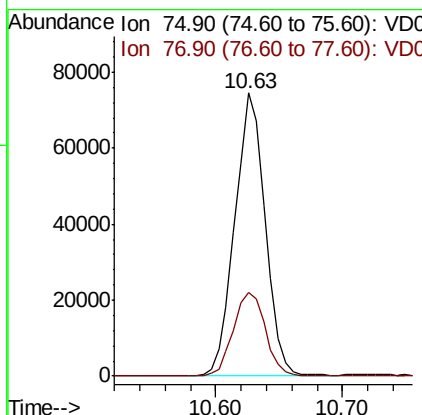
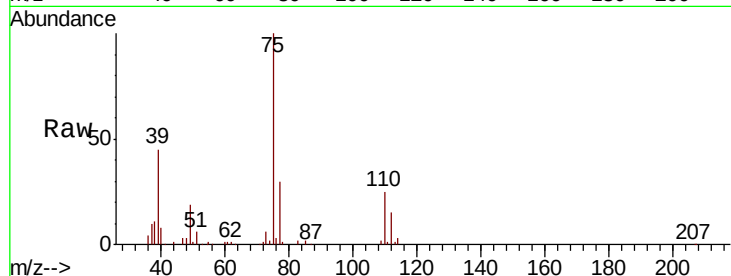




#53
t-1,3-Dichloropropene
Concen: 20.665 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

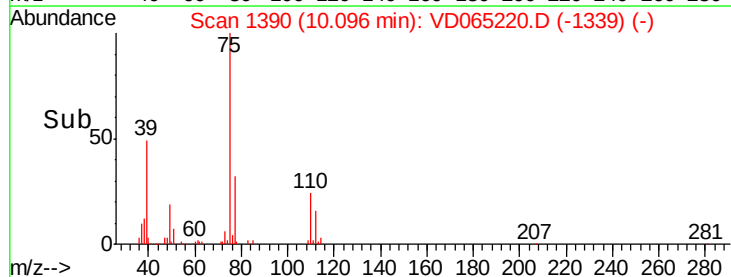
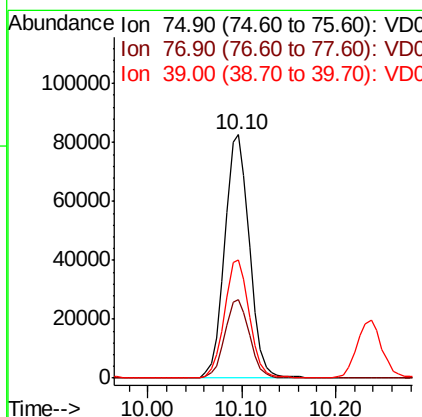
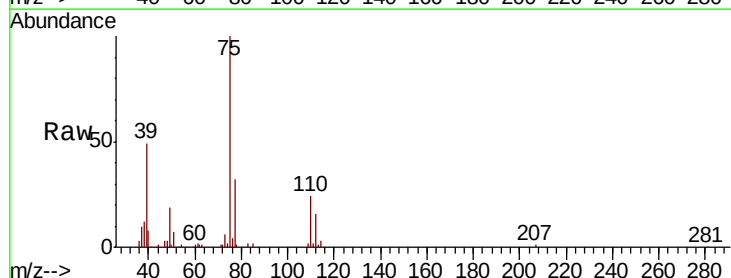
Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

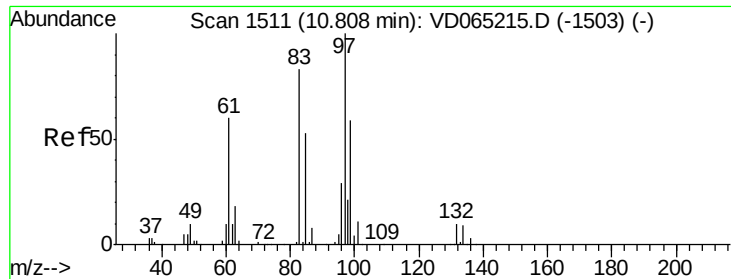
Tot Ion: 75 Resp: 123991
Ion Ratio Lower Upper
75 100
77 29.5 26.6 40.0



#54
cis-1,3-Dichloropropene
Concen: 20.842 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion: 75 Resp: 151008
Ion Ratio Lower Upper
75 100
77 32.1 25.8 38.8
39 48.7 37.3 55.9

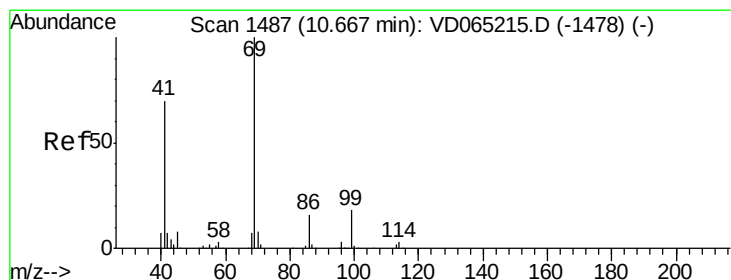
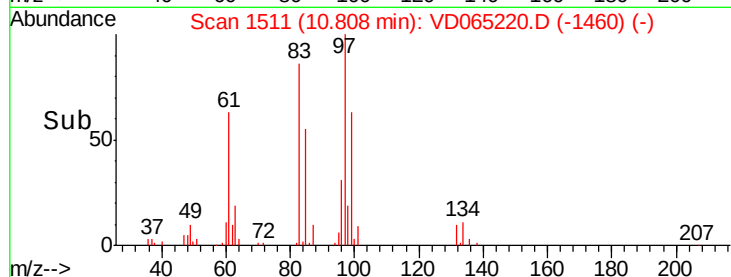
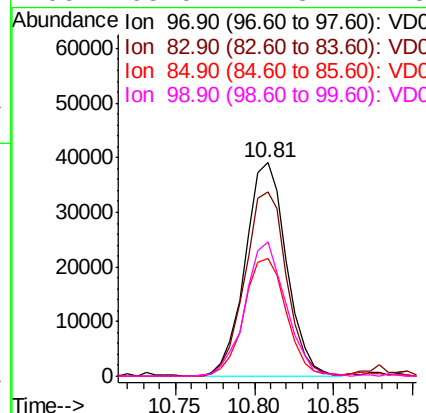
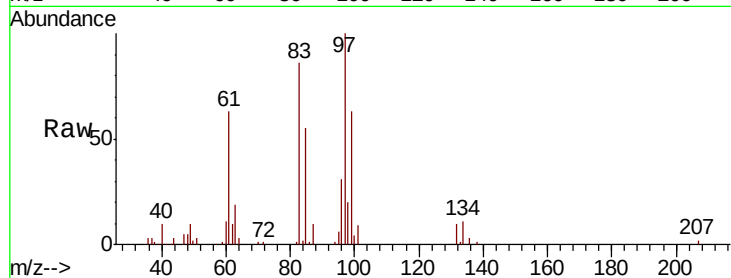




#55
 1,1,2-Trichloroethane
 Concen: 20.518 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

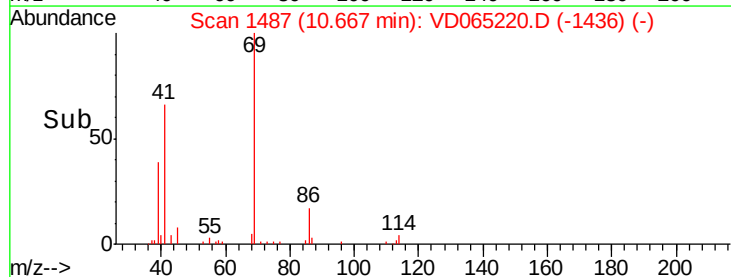
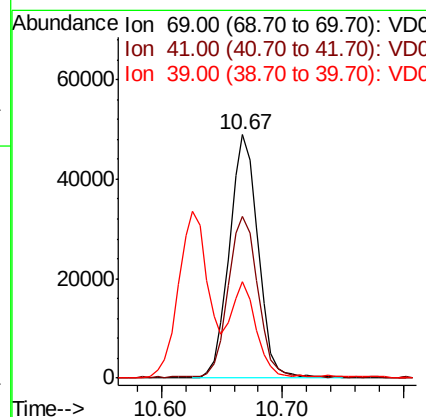
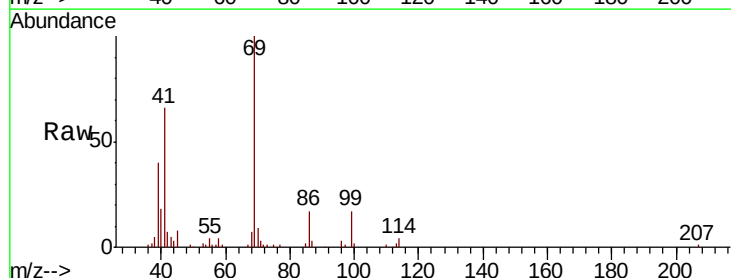
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

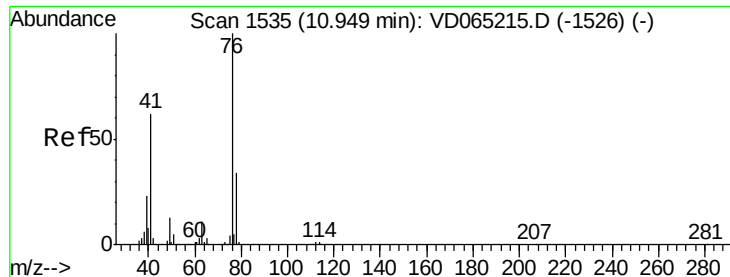
Tot Ion	Ratio	Lower	Upper
97	100		
83	86.0	66.7	100.1
85	54.9	42.4	63.6
99	63.0	47.5	71.3



#56
 Ethyl methacrylate
 Concen: 20.289 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.3	54.6	81.8
39	34.7	26.5	39.7





#57

1,3-Dichloropropane

Concen: 20.645 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

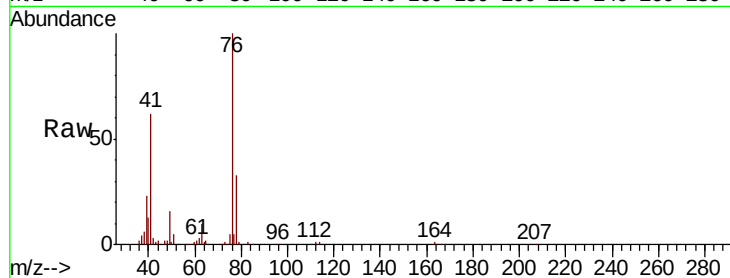
VD0218SBS01

Tot Ion: 76 Resp: 121477

Ion Ratio Lower Upper

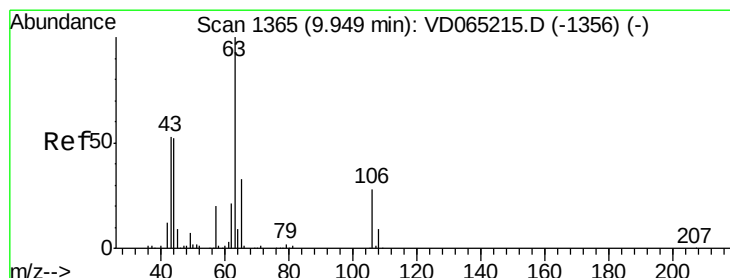
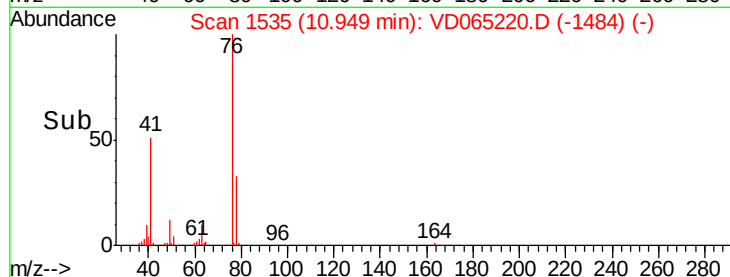
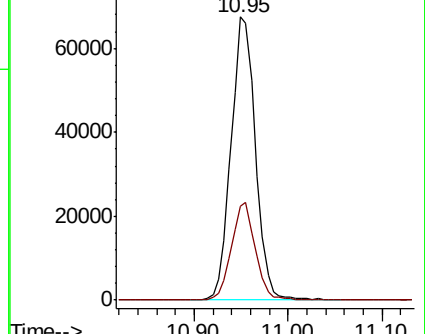
76 100

78 33.7 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 95.908 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD065220.D

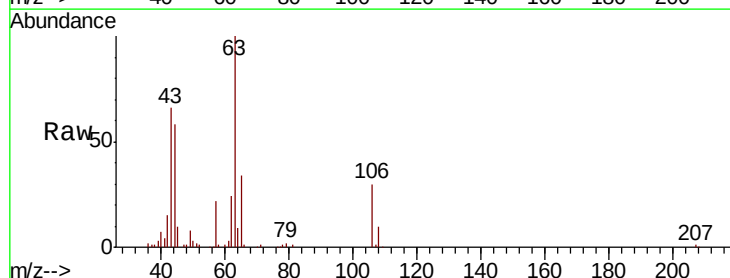
Acq: 18 Feb 2020 15:51

Tgt Ion: 63 Resp: 120659

Ion Ratio Lower Upper

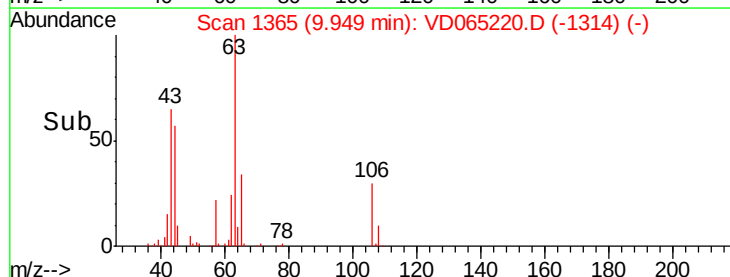
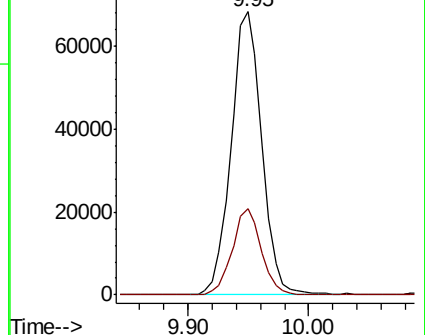
63 100

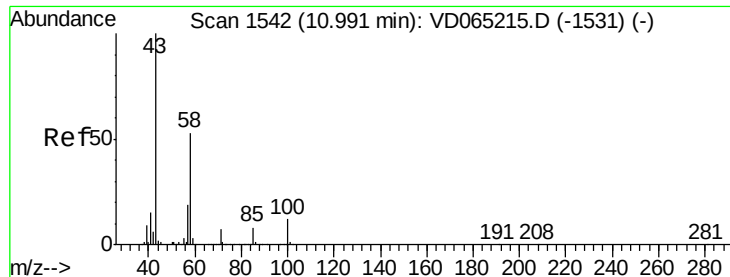
106 29.0 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

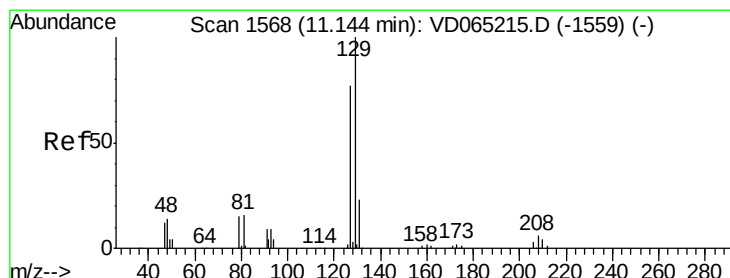
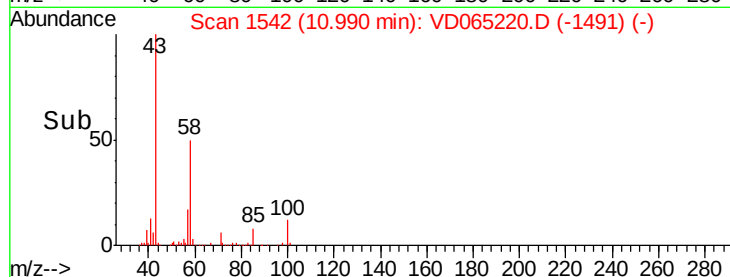
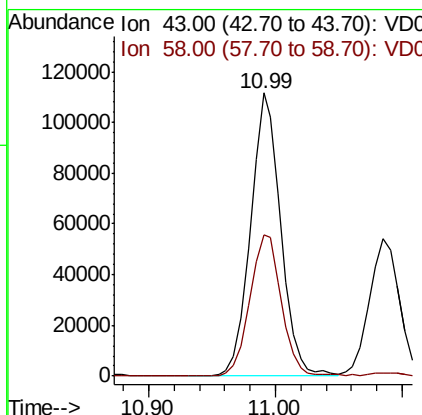
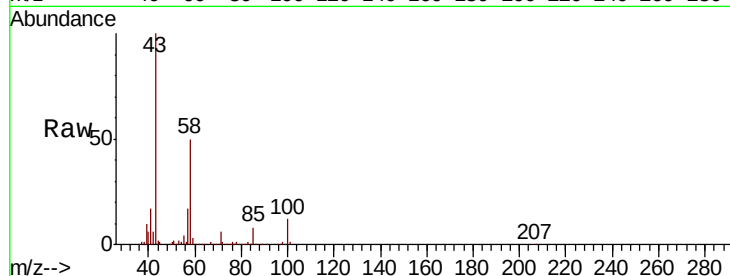




#59
2-Hexanone
Concen: 98.290 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

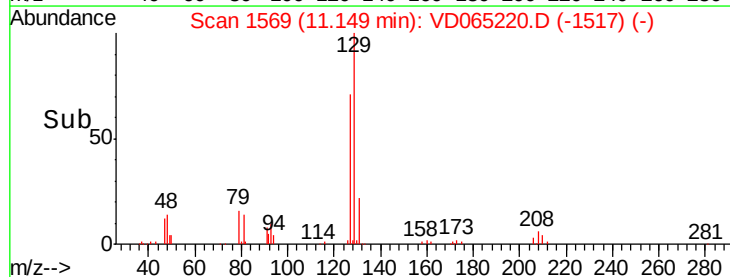
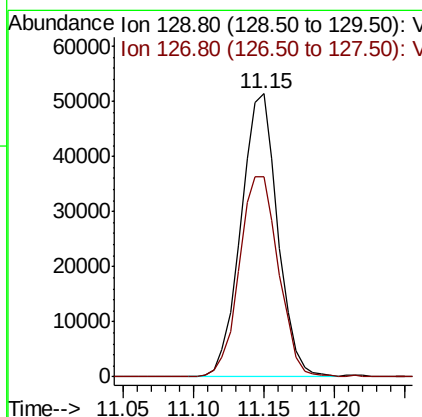
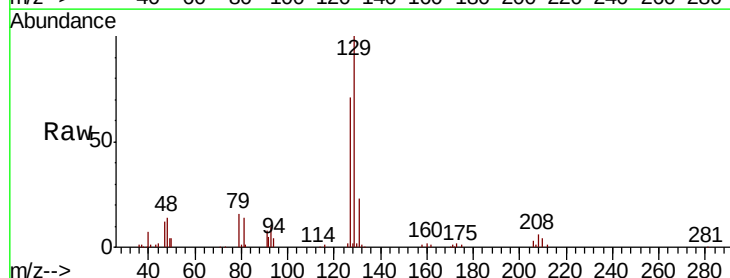
Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

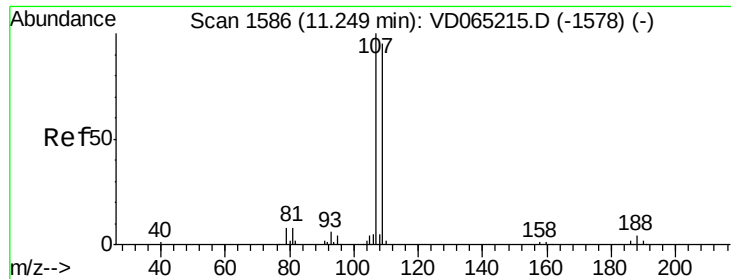
Tot Ion: 43 Resp: 184788
Ion Ratio Lower Upper
43 100
58 52.4 26.3 78.8



#60
Dibromochloromethane
Concen: 21.168 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion: 129 Resp: 93668
Ion Ratio Lower Upper
129 100
127 75.8 38.7 116.1

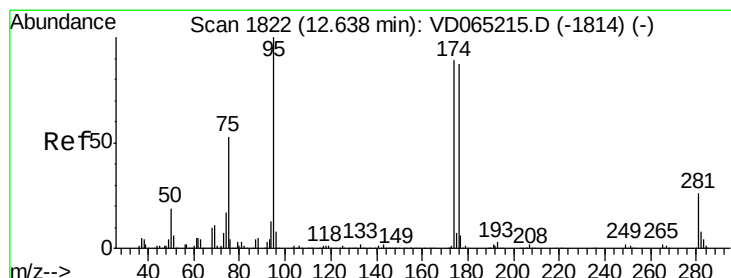
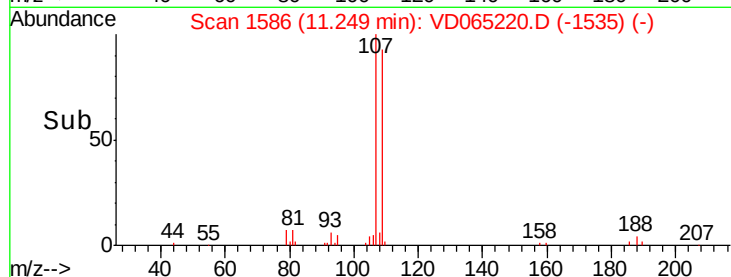
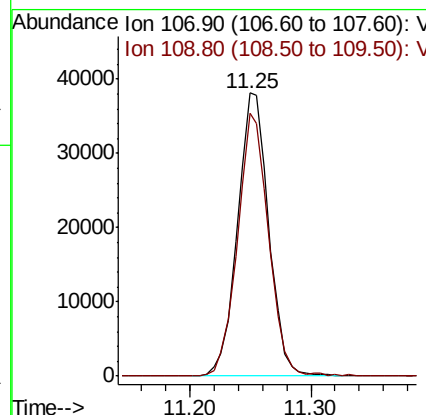
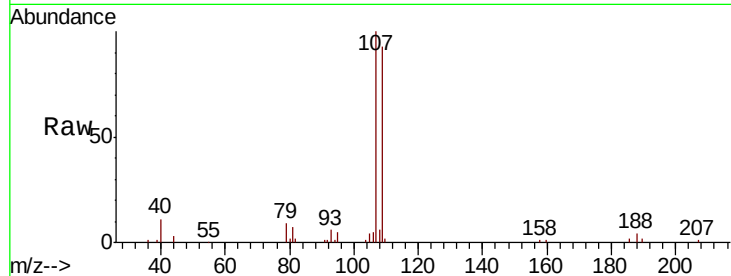




#61
 1,2-Dibromoethane
 Concen: 20.914 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

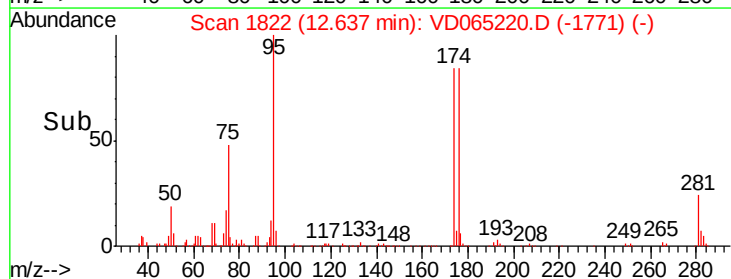
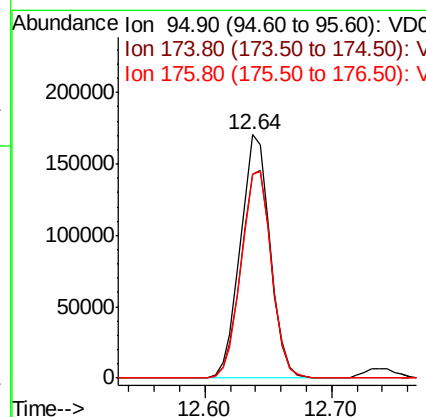
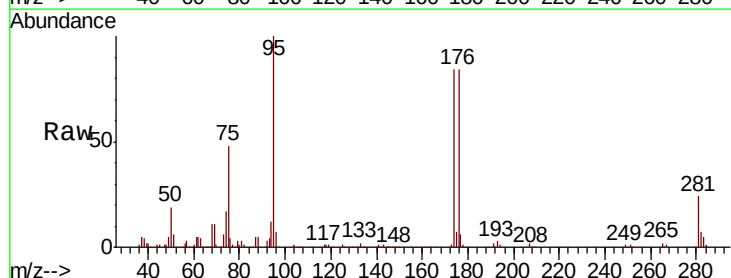
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

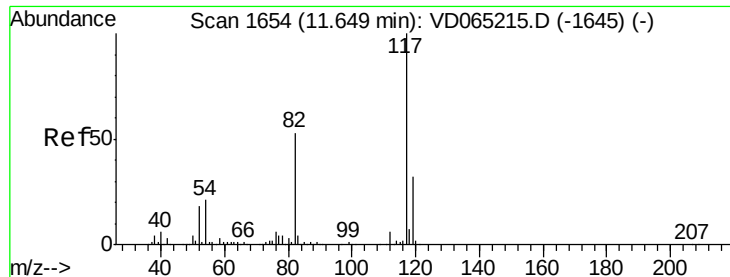
Tot Ion:107 Resp: 68461
 Ion Ratio Lower Upper
 107 100
 109 92.3 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 53.350 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Tgt Ion: 95 Resp: 275397
 Ion Ratio Lower Upper
 95 100
 174 87.8 0.0 178.0
 176 86.9 0.0 174.4

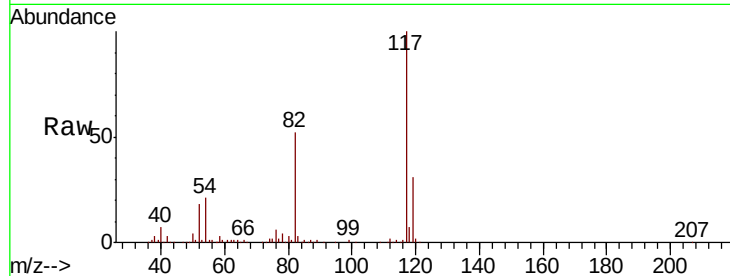




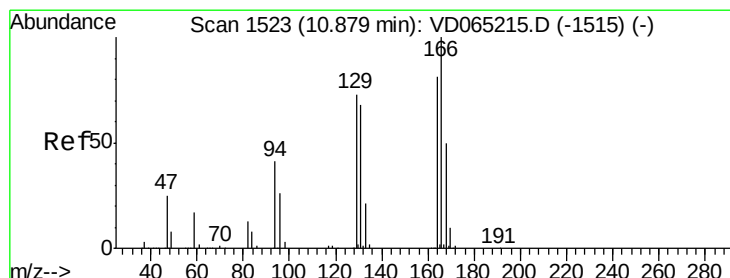
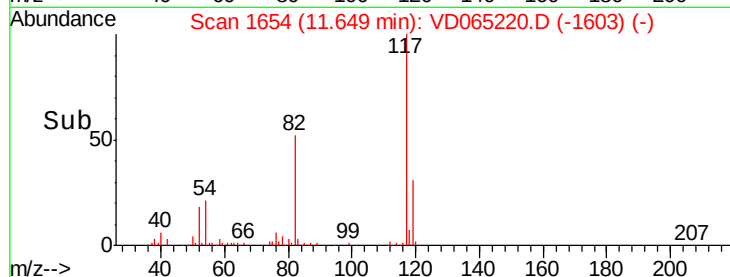
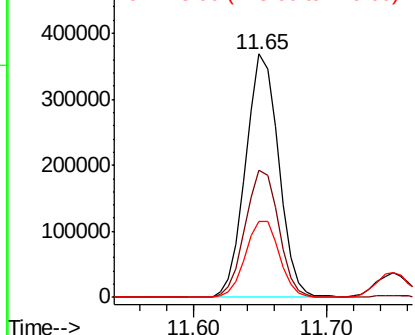
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion:117 Resp: 630861
Ion Ratio Lower Upper
117 100
82 52.0 42.7 64.1
119 31.3 25.5 38.3

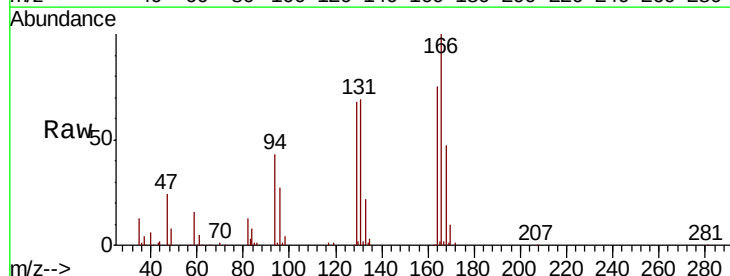


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

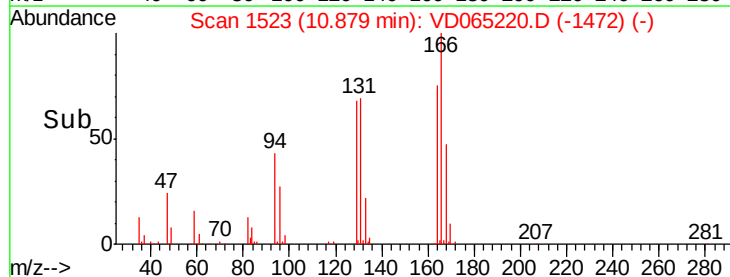
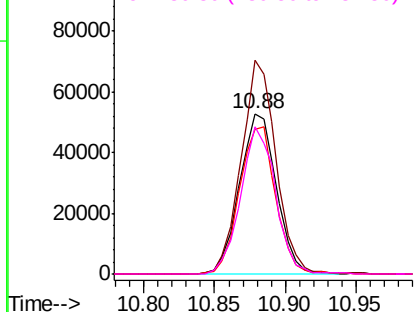


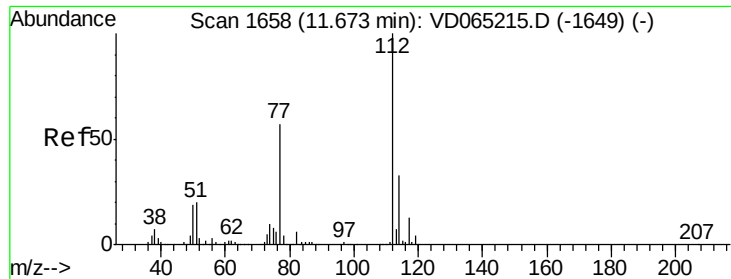
#64
Tetrachloroethene
Concen: 21.509 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion:164 Resp: 96236
Ion Ratio Lower Upper
164 100
166 133.1 98.4 147.6
129 90.3 71.6 107.4
131 91.5 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

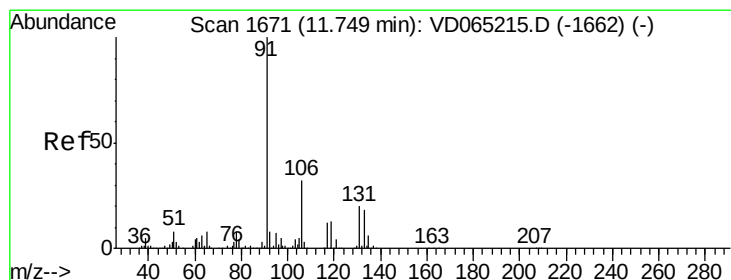
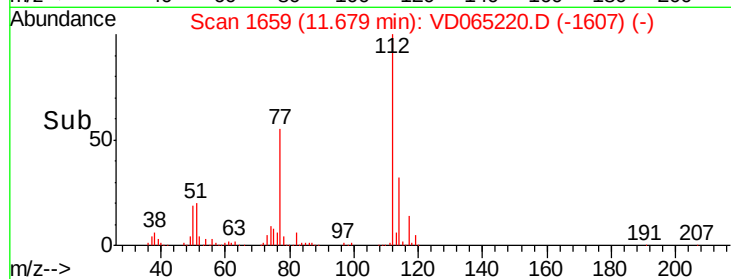
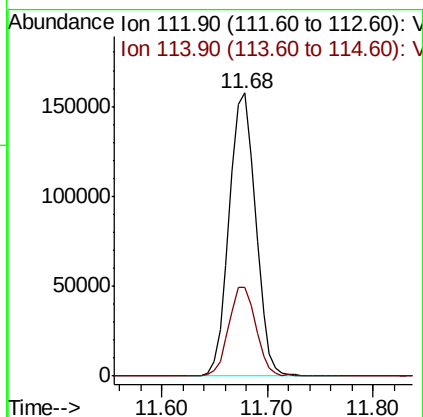
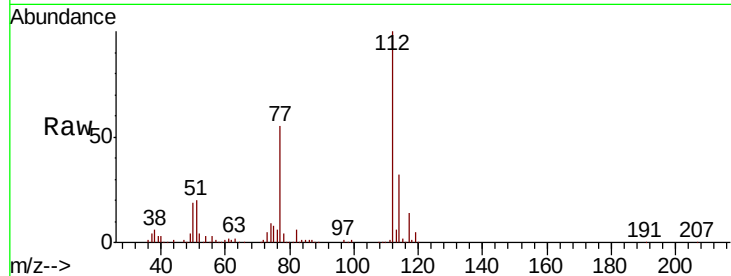




#65
Chlorobenzene
Concen: 21.613 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

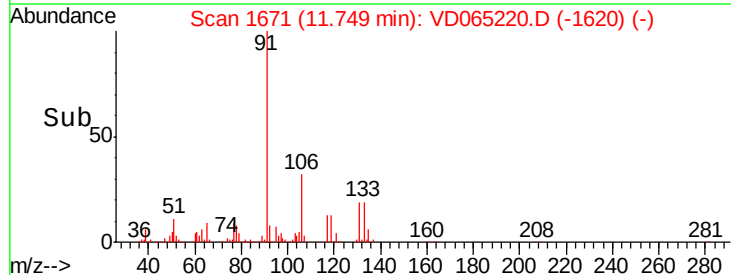
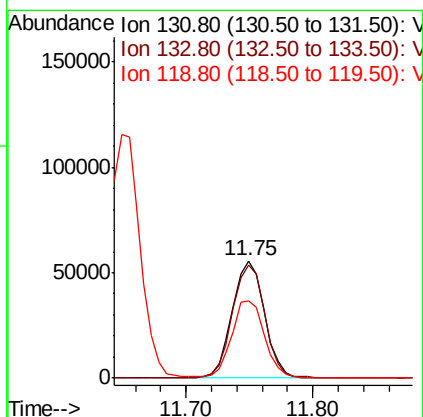
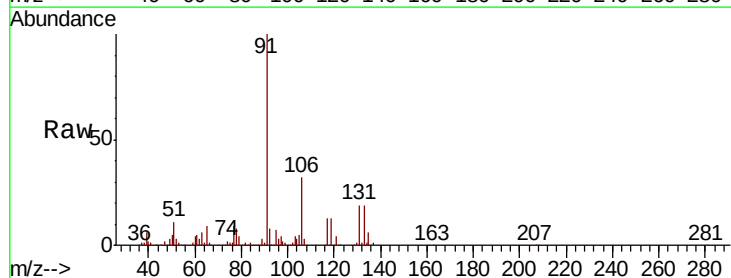
Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

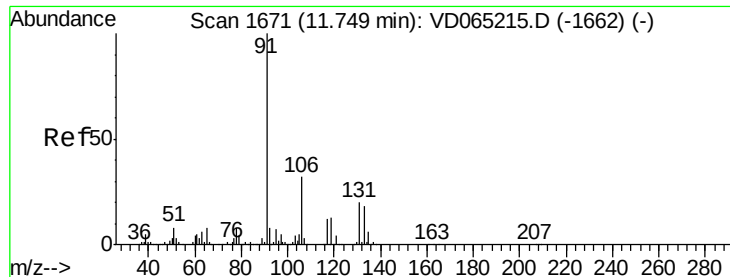
Tot Ion:112 Resp: 273614
Ion Ratio Lower Upper
112 100
114 31.5 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.723 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion:131 Resp: 97900
Ion Ratio Lower Upper
131 100
133 97.6 47.7 143.1
119 67.5 32.7 98.1





#67

Ethyl Benzene

Concen: 21.467 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

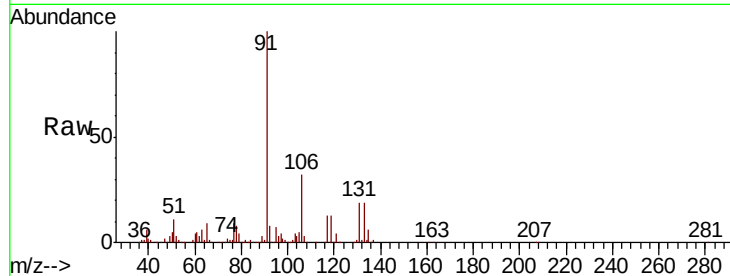
VD0218SBS01

Tot Ion: 91 Resp: 475979

Ion Ratio Lower Upper

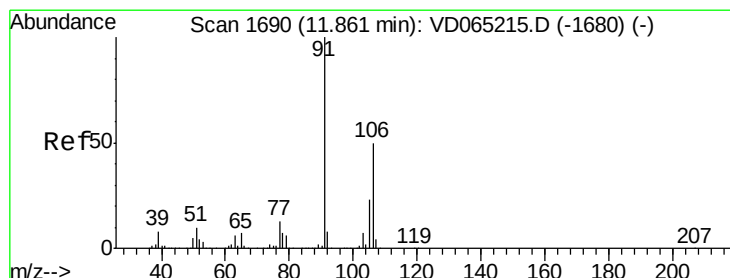
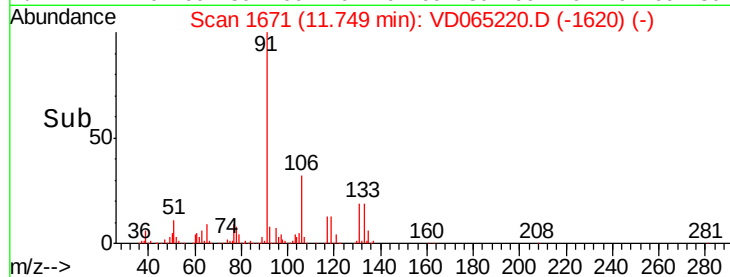
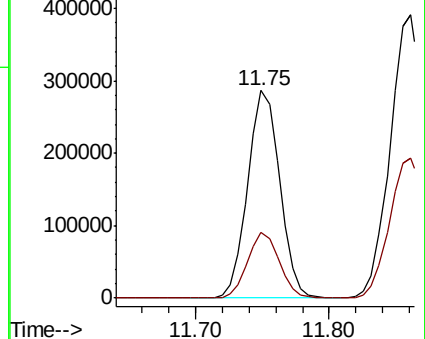
91 100

106 31.8 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 44.324 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065220.D

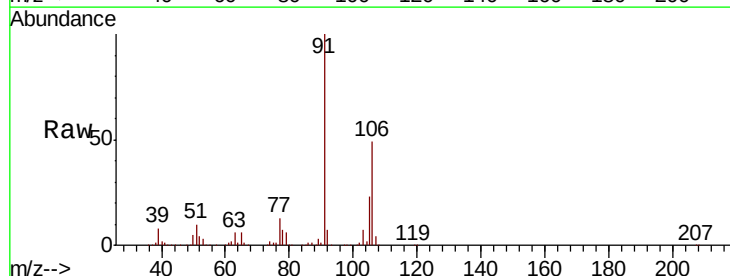
Acq: 18 Feb 2020 15:51

Tgt Ion: 106 Resp: 376002

Ion Ratio Lower Upper

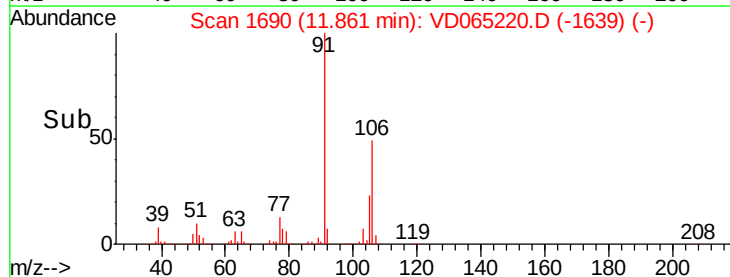
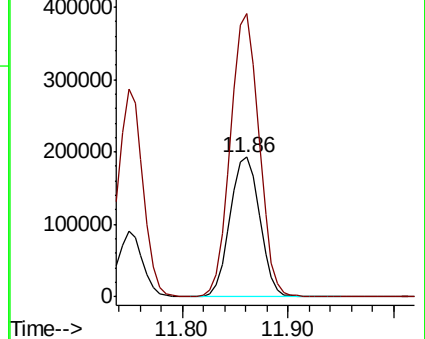
106 100

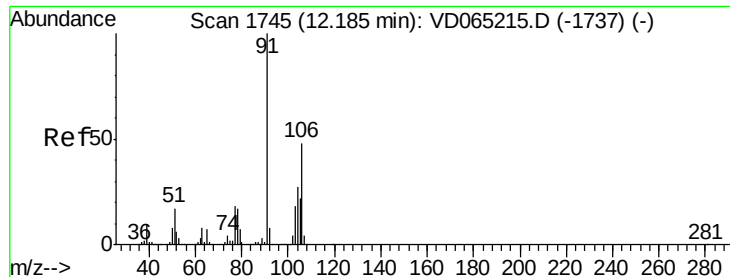
91 194.7 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

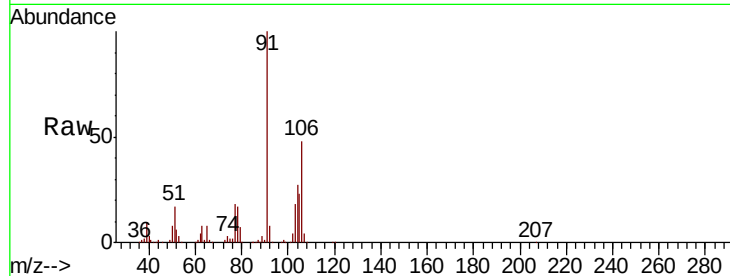




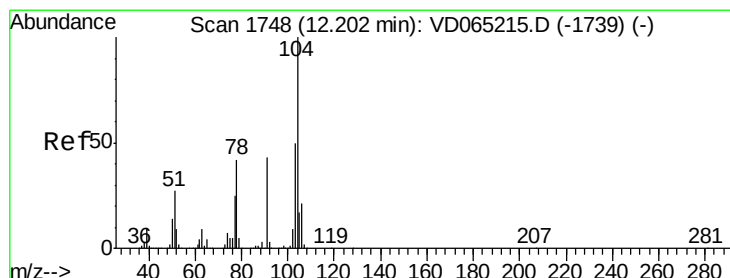
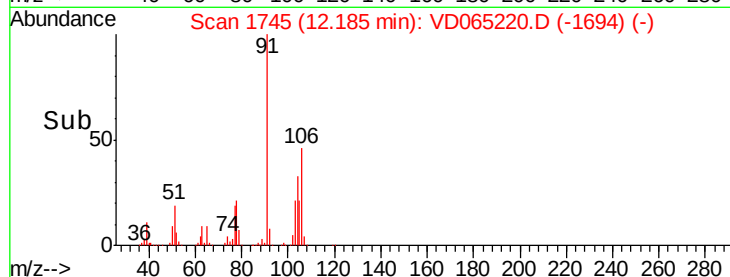
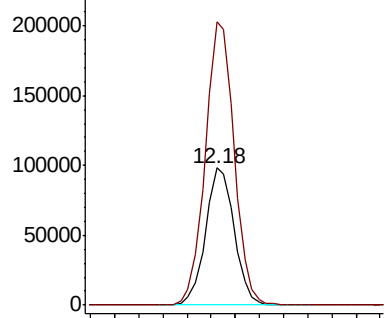
#69
o-Xylene
Concen: 21.638 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion:106 Resp: 162619
Ion Ratio Lower Upper
106 100
91 208.3 104.7 313.9

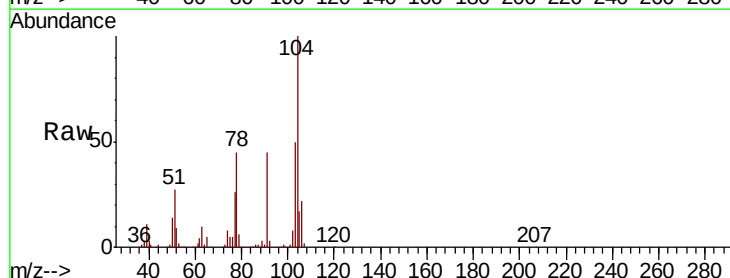


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

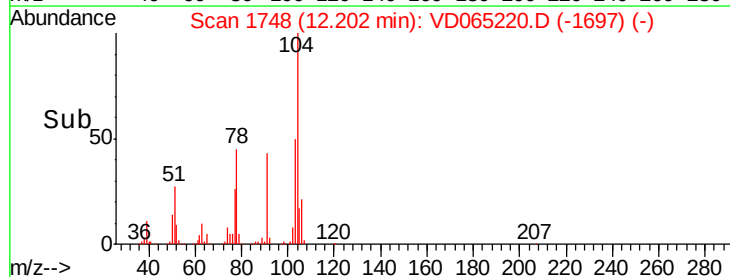
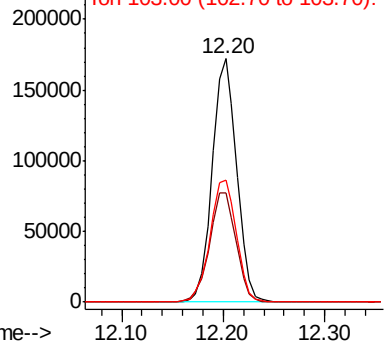


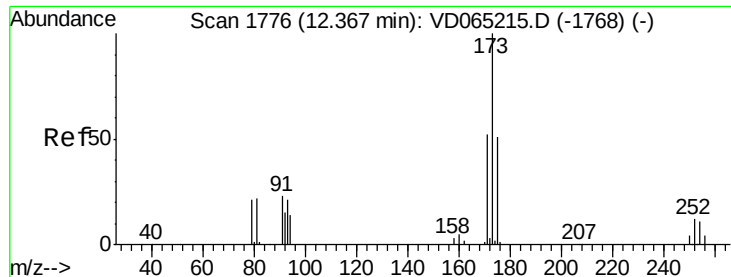
#70
Styrene
Concen: 21.563 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion:104 Resp: 287718
Ion Ratio Lower Upper
104 100
78 49.1 37.8 56.6
103 54.5 43.4 65.2



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





#71

Bromoform

Concen: 20.660 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

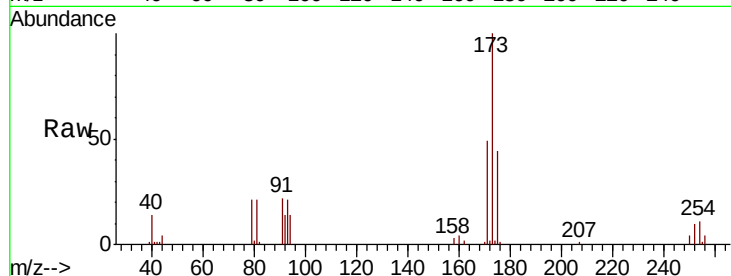
Tot Ion:173 Resp: 54160

Ion Ratio Lower Upper

173 100

175 49.6 24.4 73.4

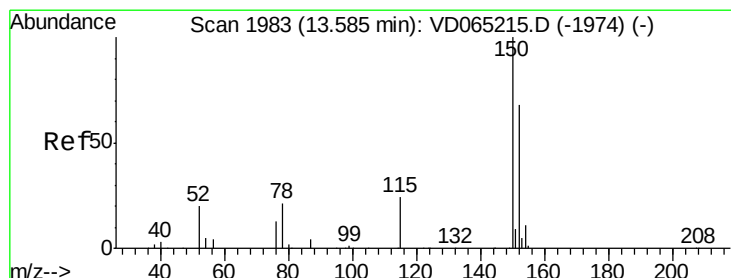
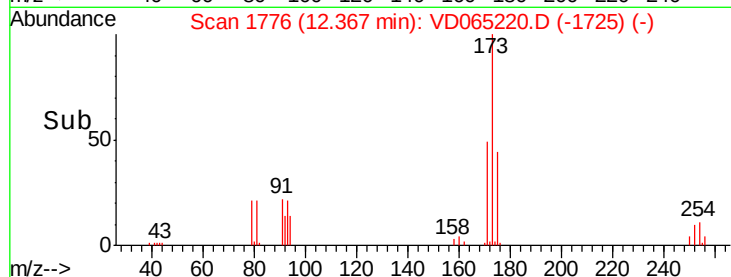
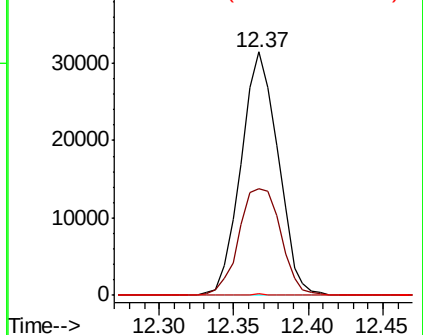
254 0.1 0.0 0.0#



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: VD065220.D

Acq: 18 Feb 2020 15:51

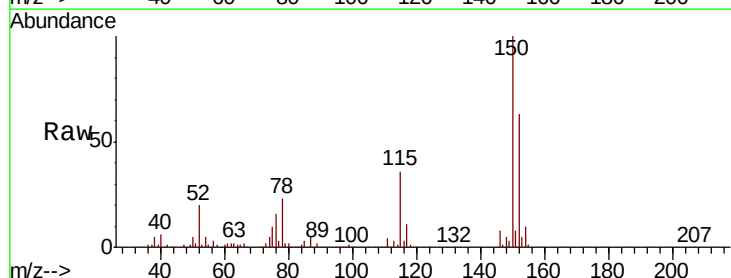
Tgt Ion:152 Resp: 304019

Ion Ratio Lower Upper

152 100

115 56.4 27.6 82.8

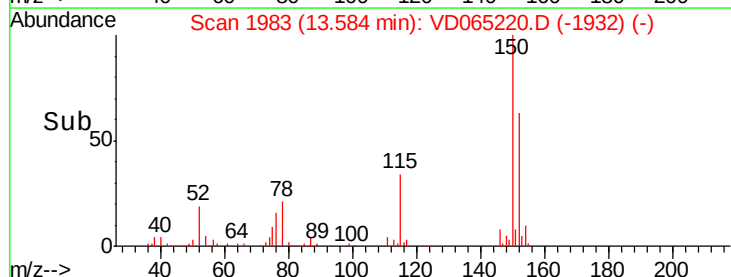
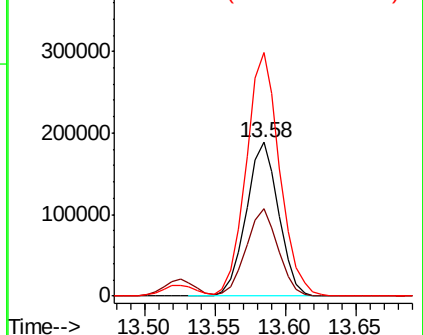
150 163.2 0.0 347.4

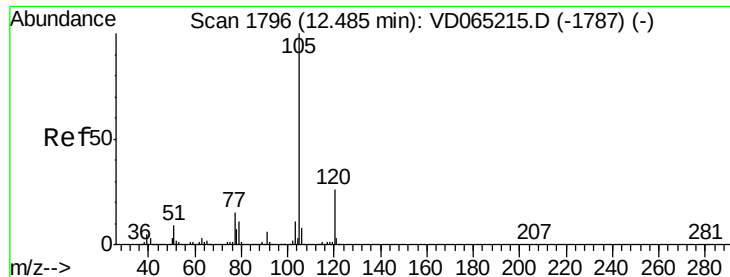


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.269 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

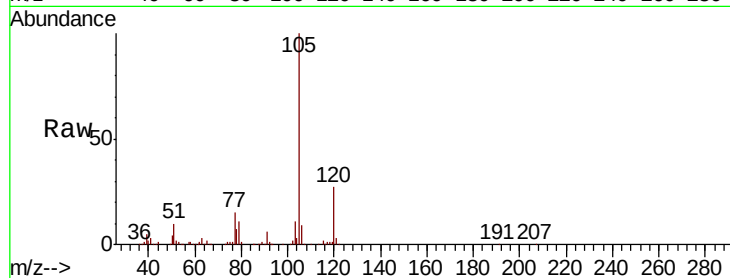
VD0218SBS01

Tot Ion:105 Resp: 448228

Ion Ratio Lower Upper

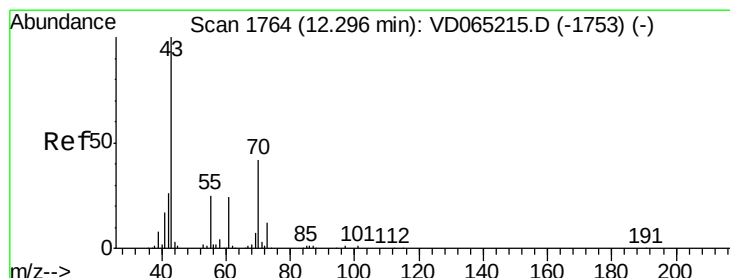
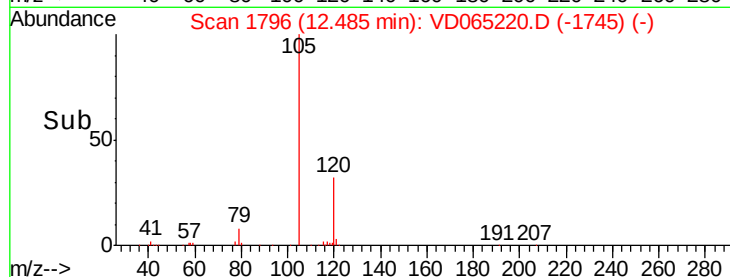
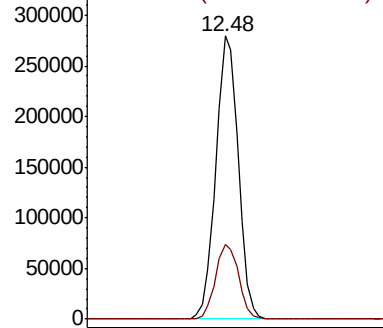
105 100

120 27.3 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.278 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Tgt Ion: 43 Resp: 90691

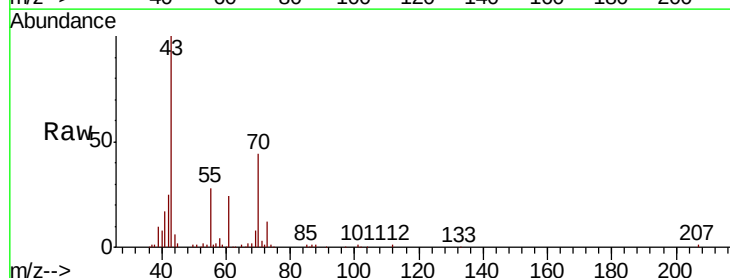
Ion Ratio Lower Upper

43 100

70 44.1 33.7 50.5

55 28.0 20.7 31.1

61 24.1 19.0 28.4

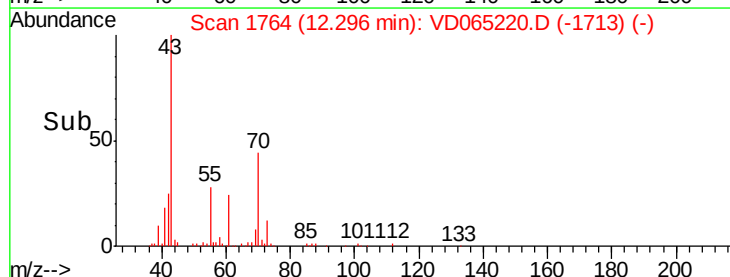
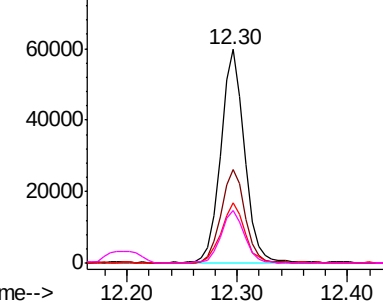


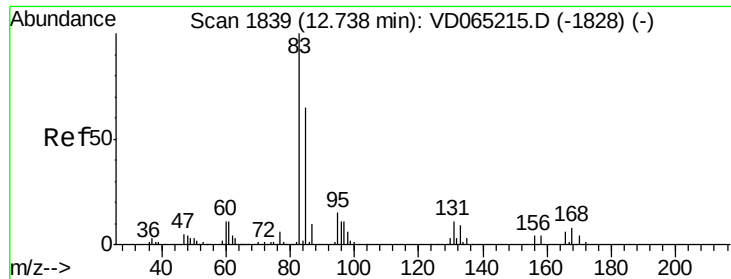
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.912 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

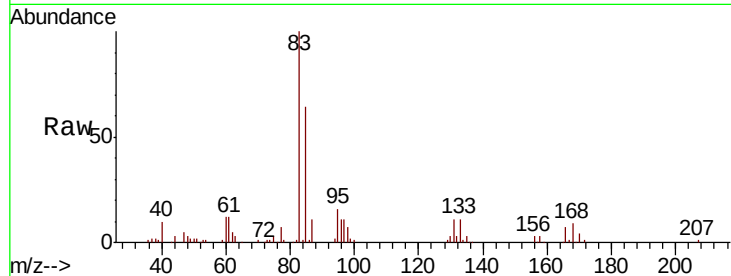
Tot Ion: 83 Resp: 75964

Ion Ratio Lower Upper

83 100

131 11.0 5.4 16.2

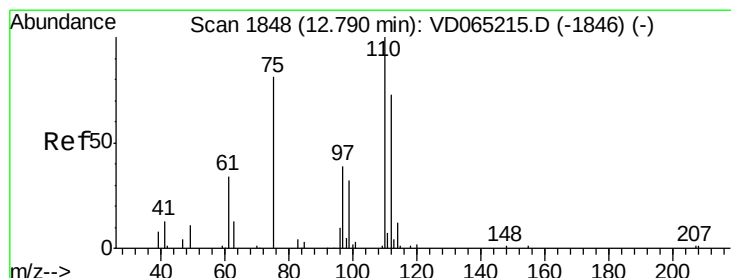
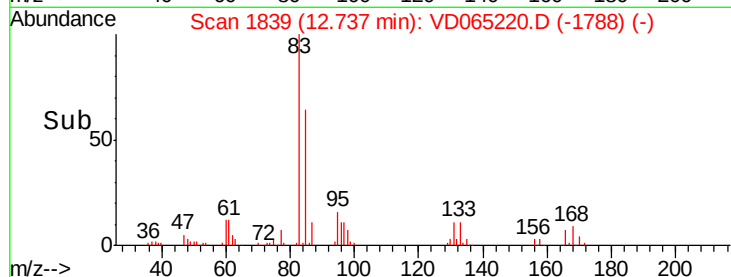
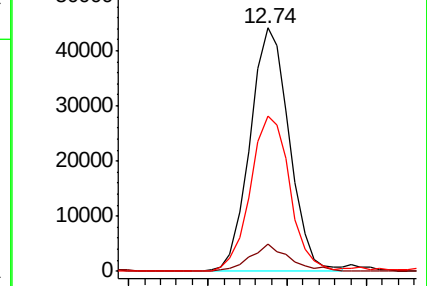
85 64.4 31.6 94.8



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: 38.050 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065220.D

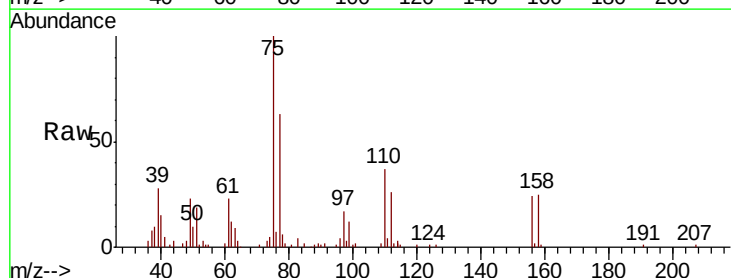
Acq: 18 Feb 2020 15:51

Tgt Ion: 75 Resp: 98423

Ion Ratio Lower Upper

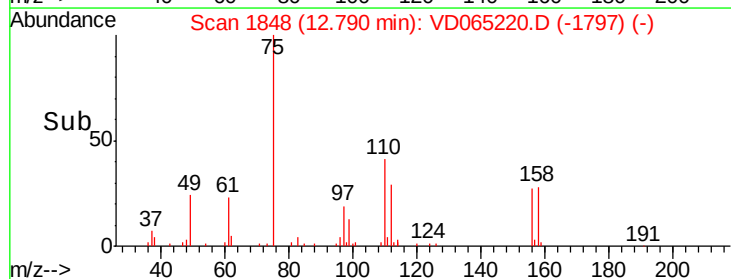
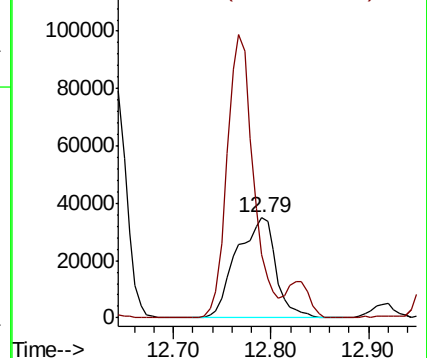
75 100

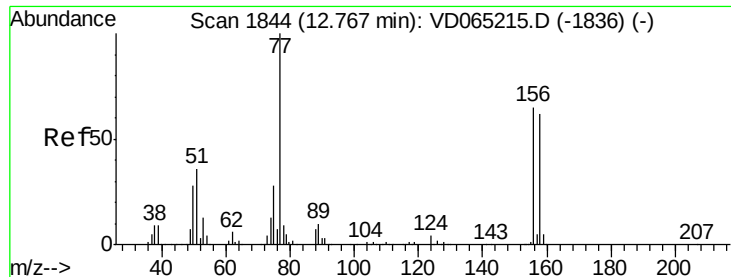
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 22.338 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

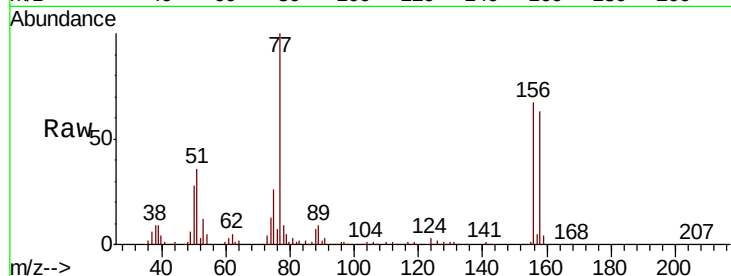
Tot Ion:156 Resp: 111648

Ion Ratio Lower Upper

156 100

77 166.9 86.6 259.7

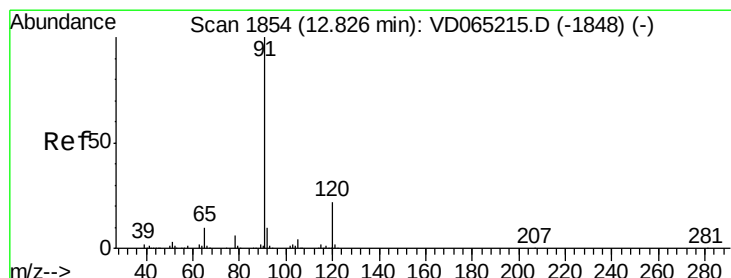
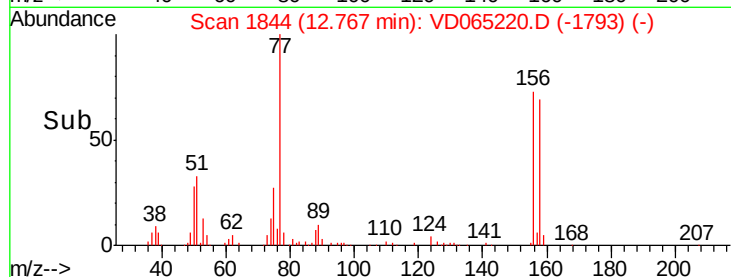
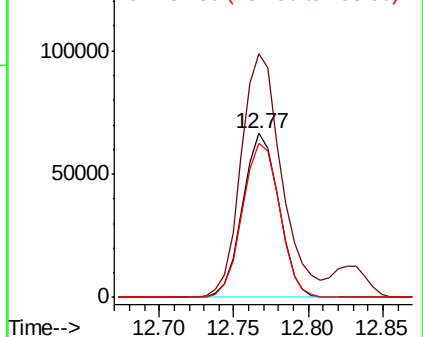
158 96.6 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.734 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065220.D

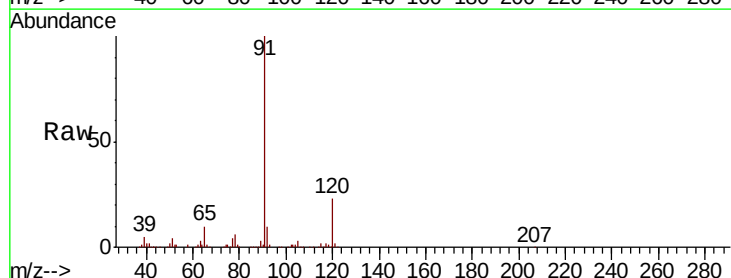
Acq: 18 Feb 2020 15:51

Tgt Ion: 91 Resp: 549872

Ion Ratio Lower Upper

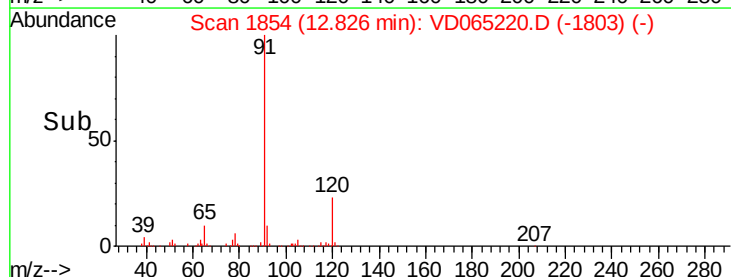
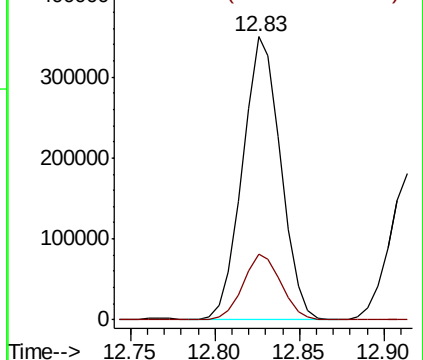
91 100

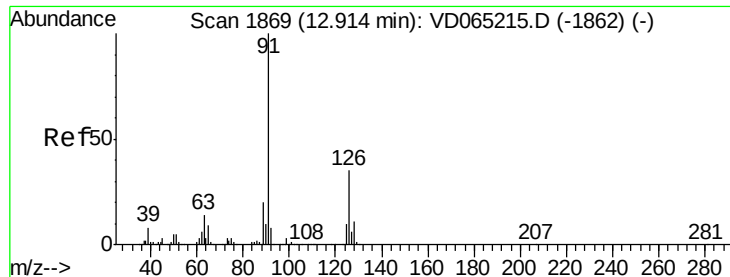
120 23.1 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.165 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

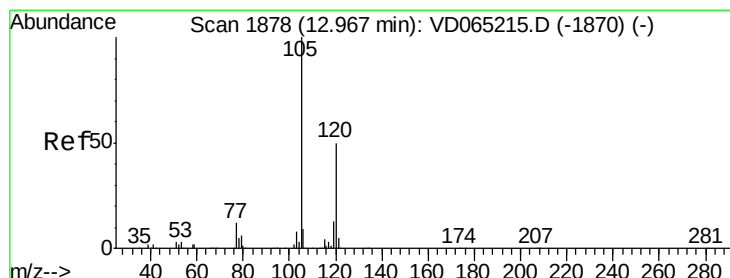
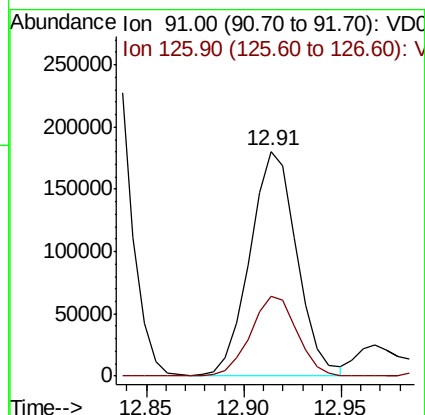
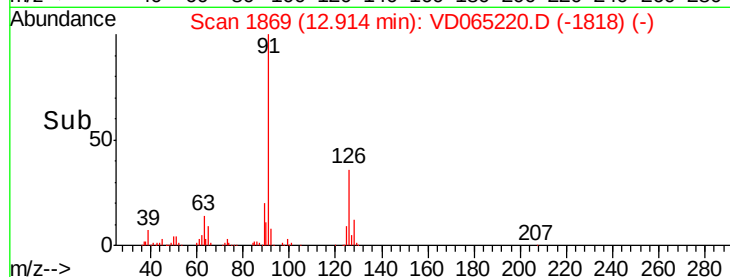
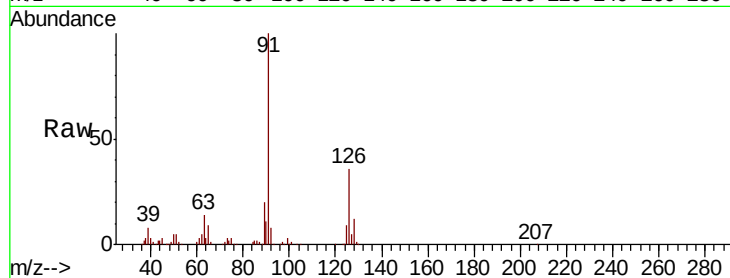
VD0218SBS01

Tot Ion: 91 Resp: 300339

Ion Ratio Lower Upper

91 100

126 35.3 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 22.498 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065220.D

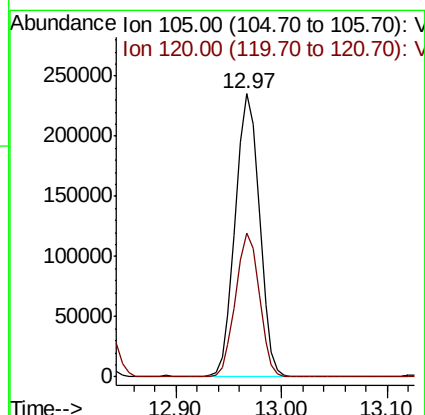
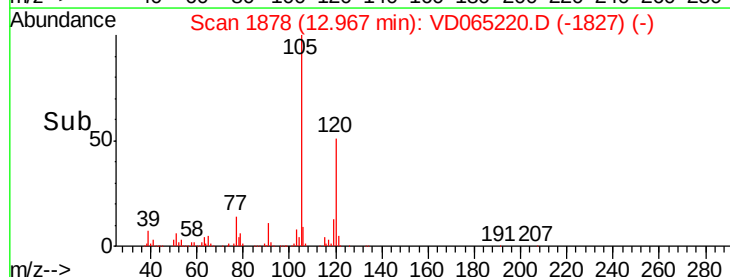
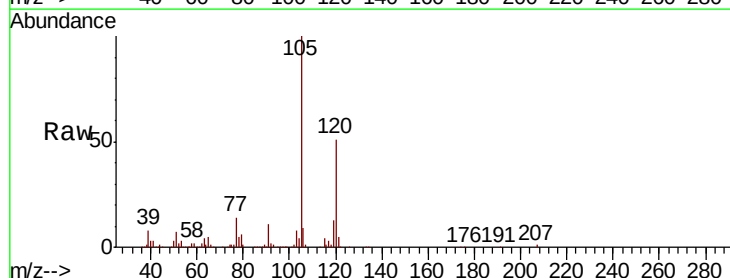
Acq: 18 Feb 2020 15:51

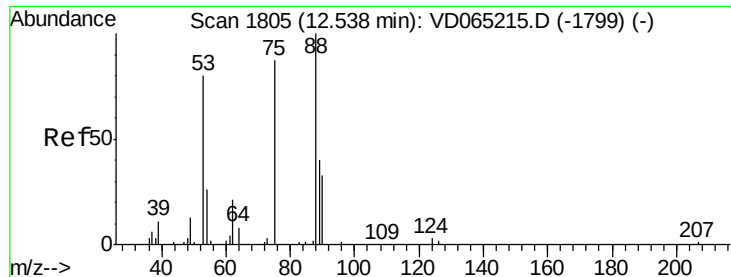
Tgt Ion:105 Resp: 372966

Ion Ratio Lower Upper

105 100

120 50.1 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.863 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

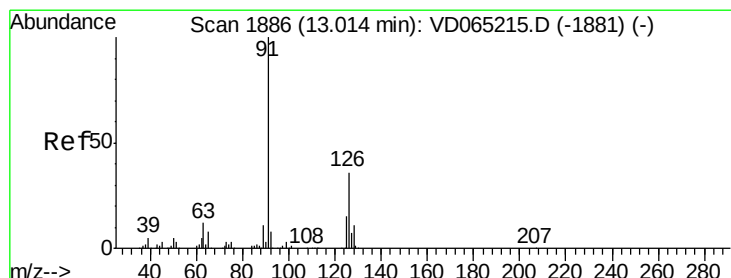
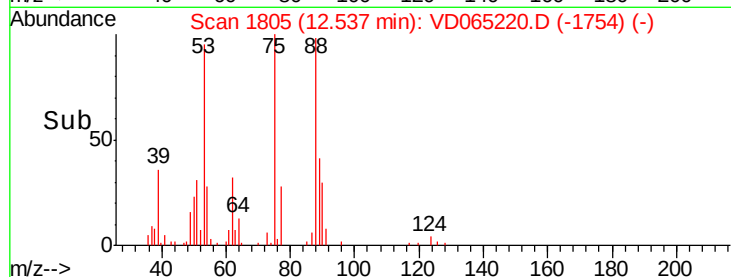
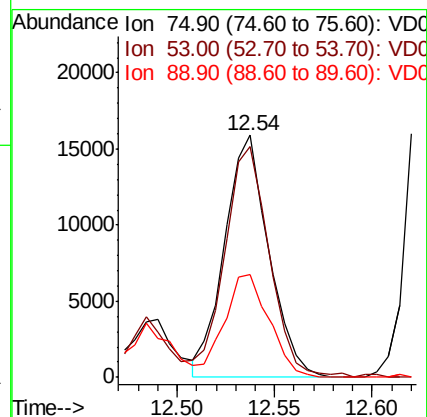
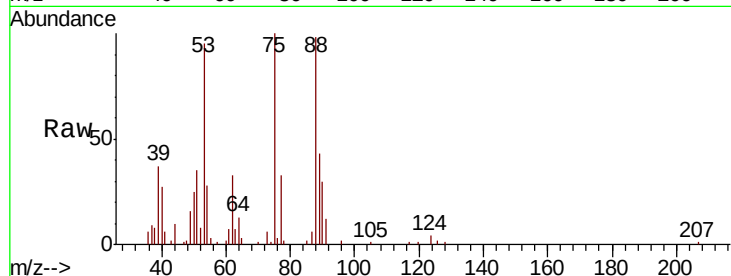
Tot Ion: 75 Resp: 24994

Ion Ratio Lower Upper

75 100

53 97.7 77.6 116.4

89 43.5 37.2 55.8



#82

4-Chlorotoluene

Concen: 22.027 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065220.D

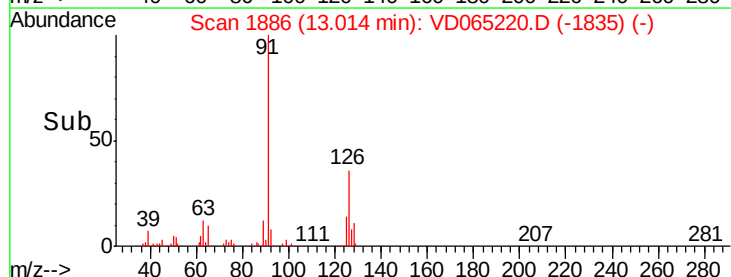
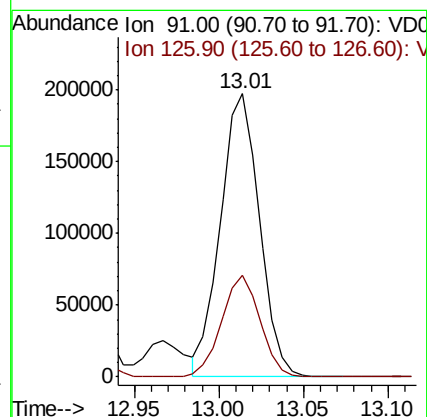
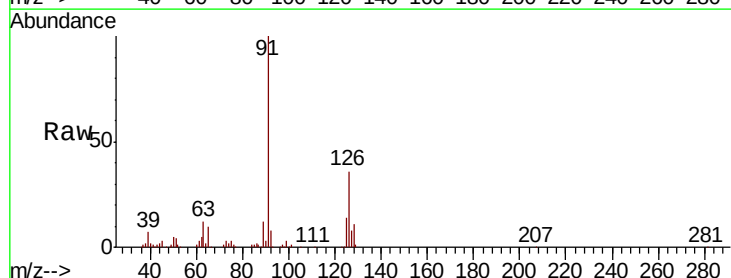
Acq: 18 Feb 2020 15:51

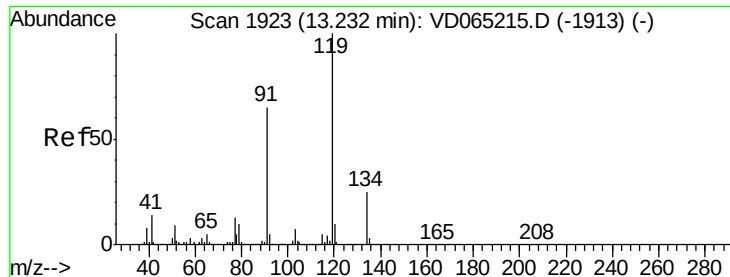
Tgt Ion: 91 Resp: 316870

Ion Ratio Lower Upper

91 100

126 35.5 17.4 52.3





#83

tert-Butylbenzene

Concen: 21.899 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

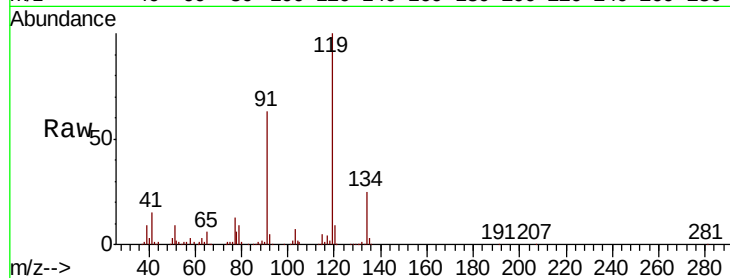
Tot Ion:119 Resp: 304263

Ion Ratio Lower Upper

119 100

91 64.7 31.9 95.5

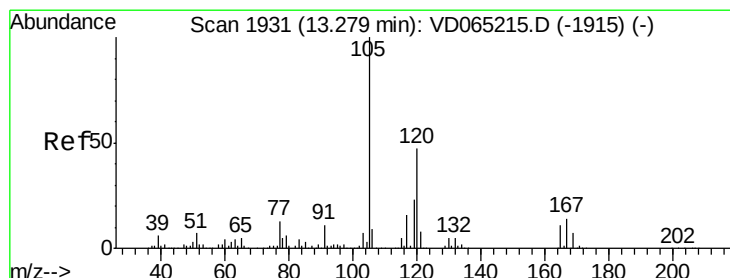
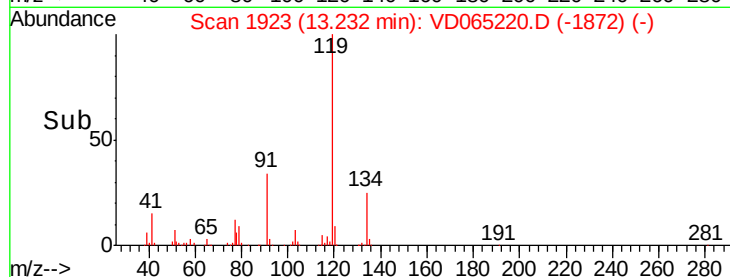
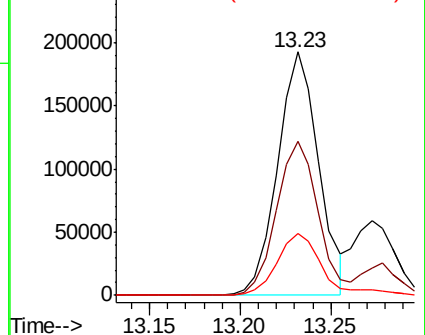
134 28.0 13.8 41.3



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: 22.686 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. -0.00 min

Lab File: VD065220.D

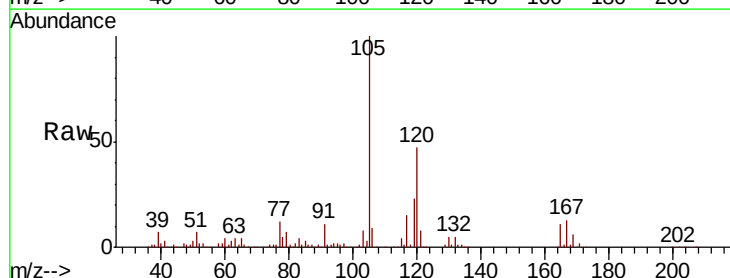
Acq: 18 Feb 2020 15:51

Tgt Ion:105 Resp: 376432

Ion Ratio Lower Upper

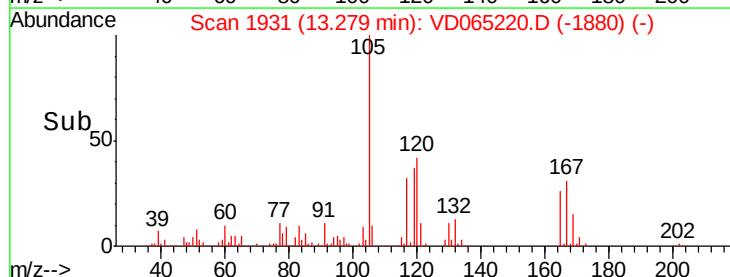
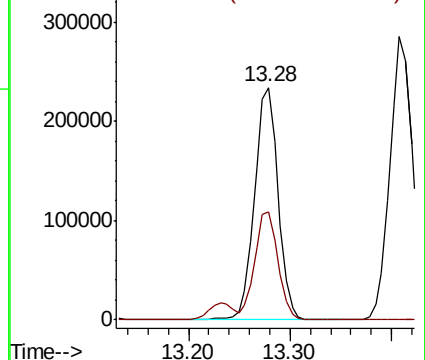
105 100

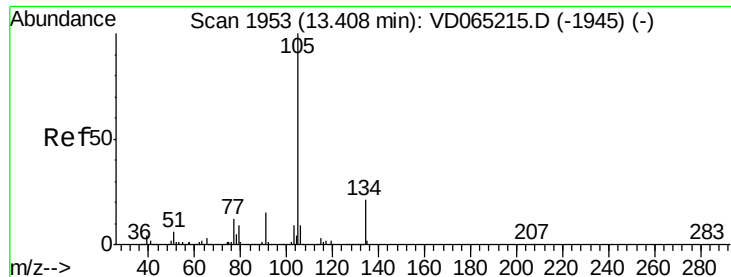
120 46.0 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

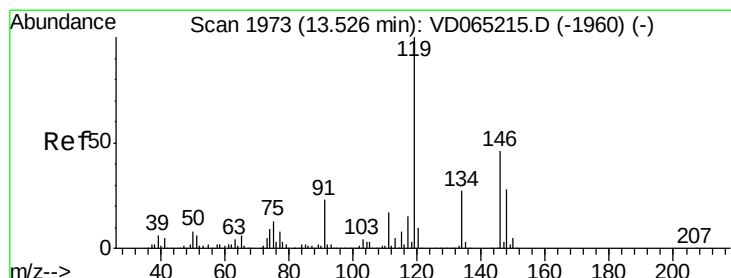
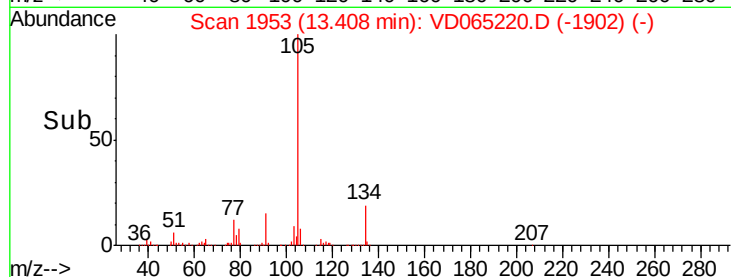
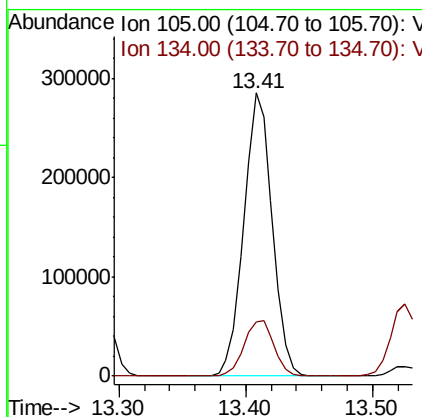
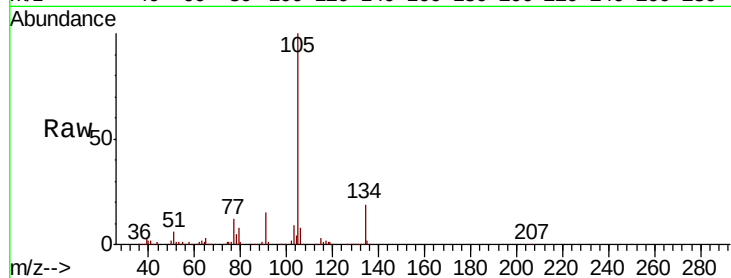




#85
 sec-Butylbenzene
 Concen: 22.191 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

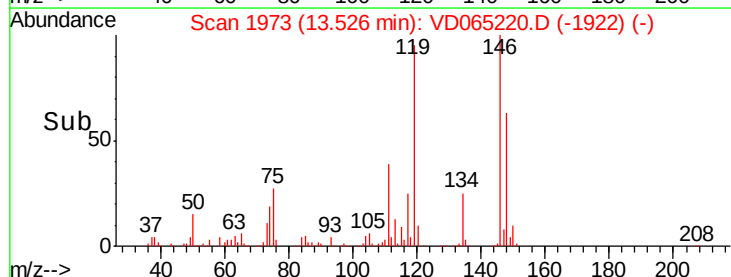
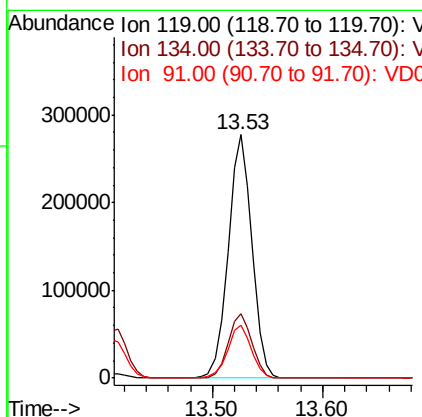
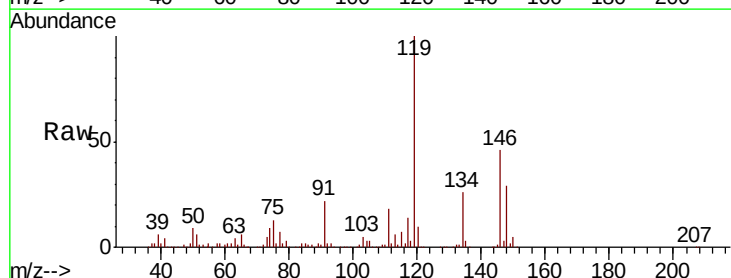
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

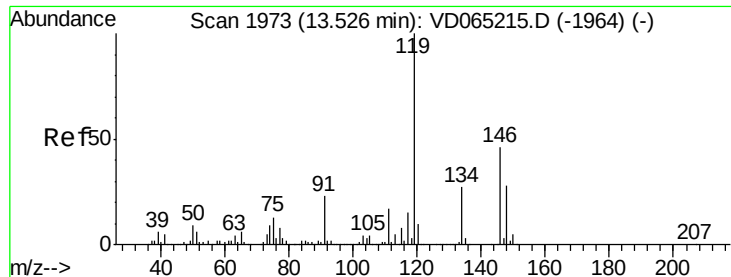
Tot Ion:105 Resp: 444280
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 22.661 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Tgt Ion:119 Resp: 414901
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.8
 91 21.7 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 21.438 ug/l

RT: 13.53 min Scan# 1973

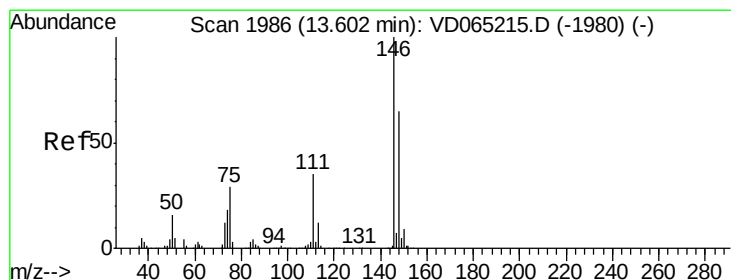
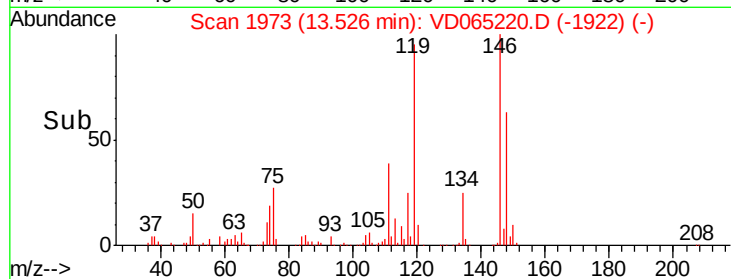
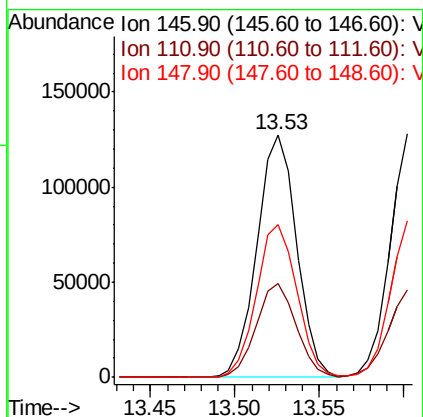
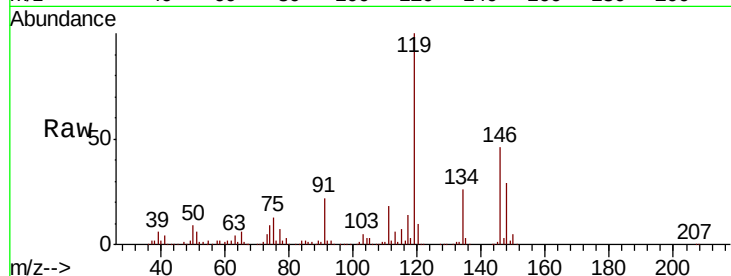
Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.6	55.8
148	64.2	31.4	94.3



#88

1,4-Dichlorobenzene

Concen: 21.790 ug/l

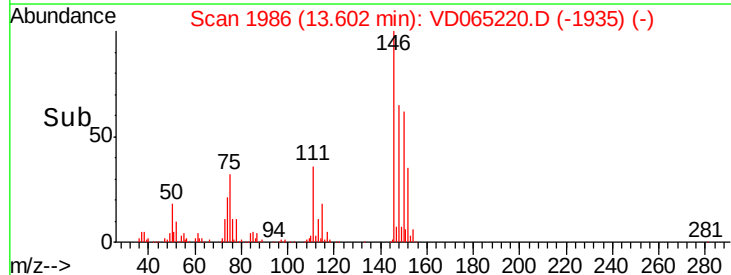
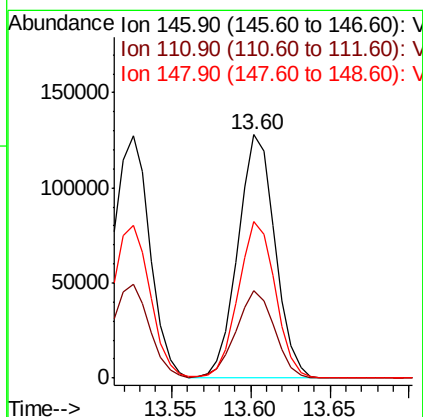
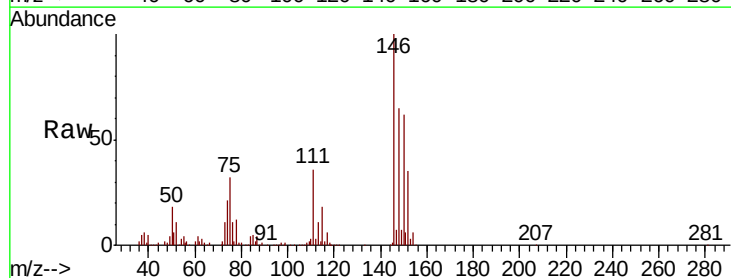
RT: 13.60 min Scan# 1986

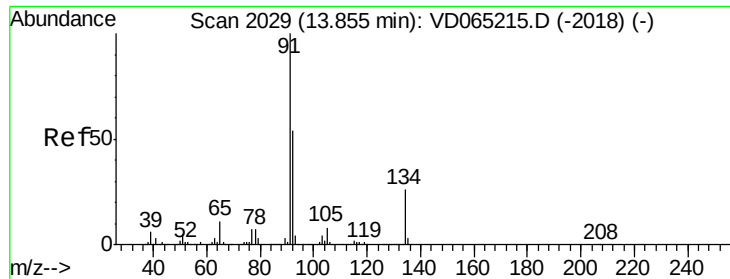
Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.4	55.2
148	64.5	32.1	96.5

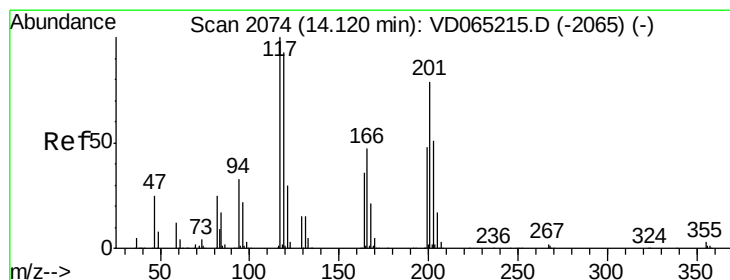
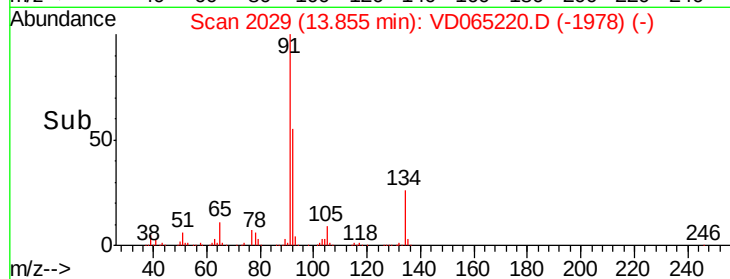
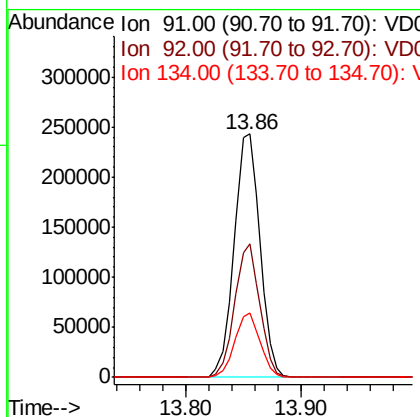
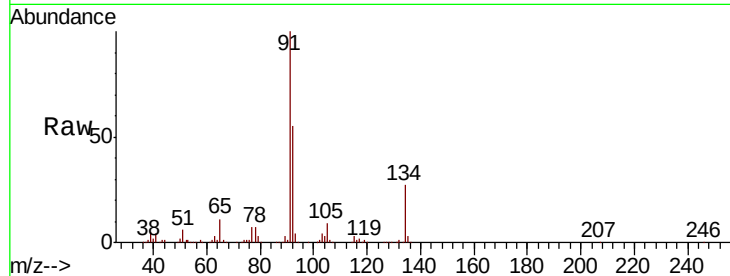




#89
n-Butylbenzene
Concen: 22.263 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

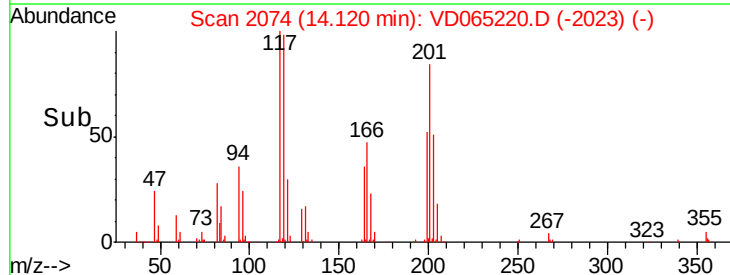
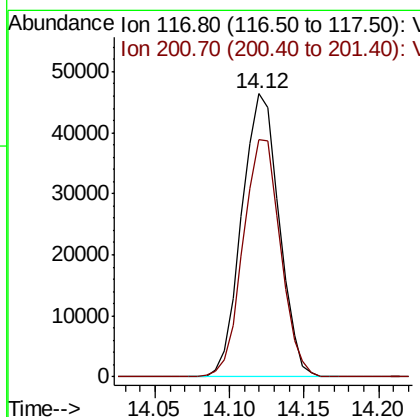
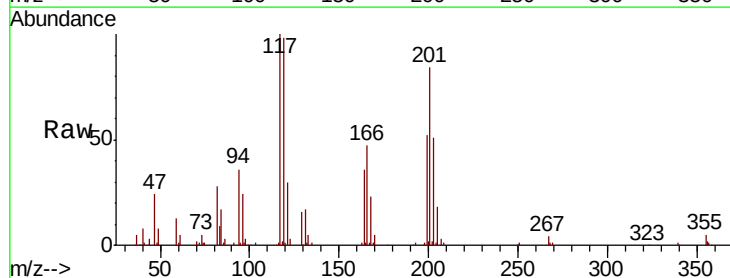
Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

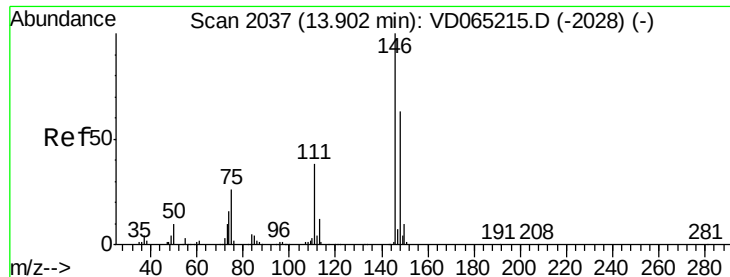
Tot Ion: 91 Resp: 375610
Ion Ratio Lower Upper
91 100
92 53.0 27.0 80.8
134 25.9 13.5 40.4



#90
Hexachloroethane
Concen: 21.683 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion: 117 Resp: 80607
Ion Ratio Lower Upper
117 100
201 83.4 41.3 124.1

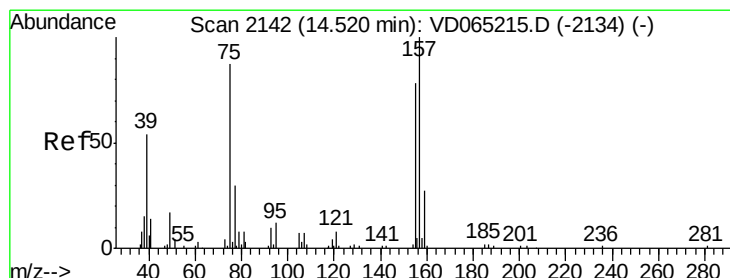
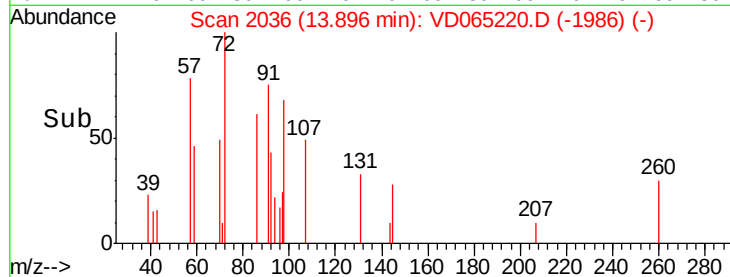
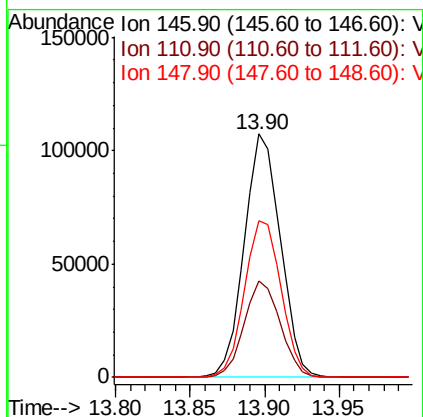
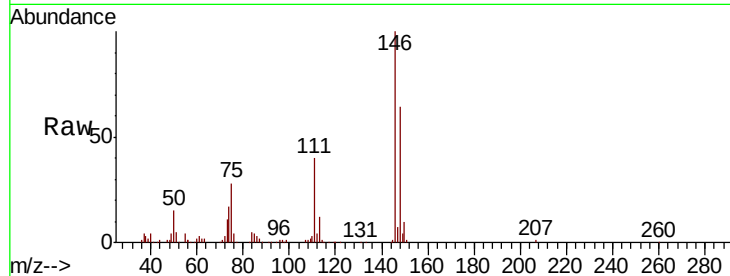




#91
 1,2-Dichlorobenzene
 Concen: 21.657 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

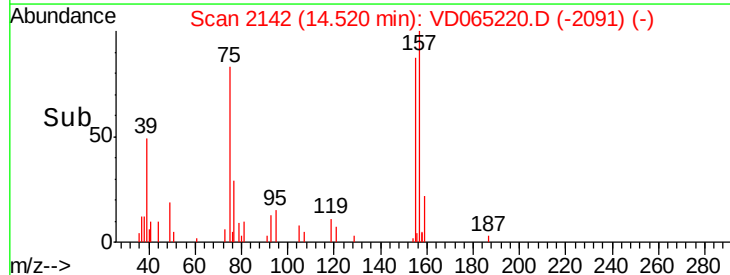
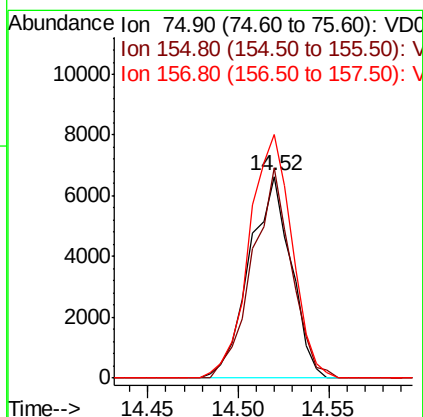
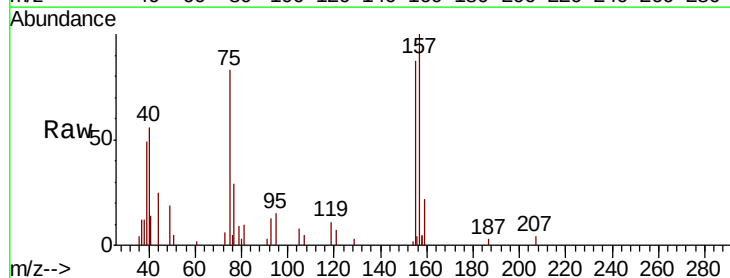
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

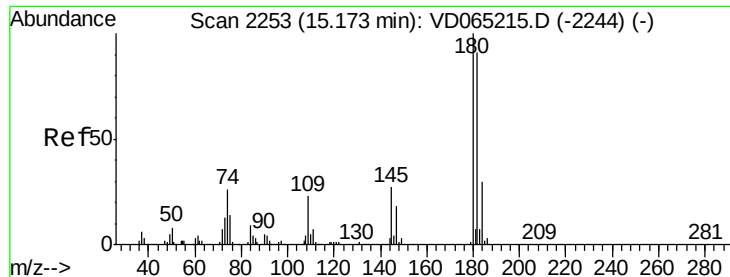
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.0
148	65.2	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.980 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.7	42.3	126.9
157	123.5	56.7	170.1

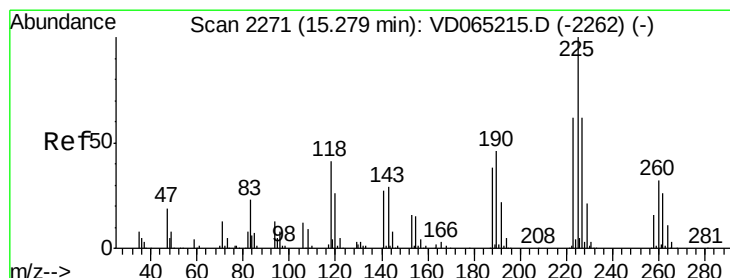
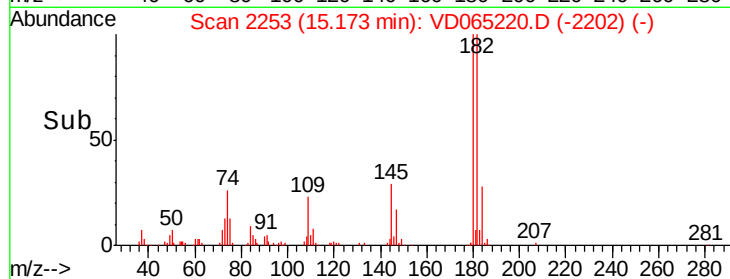
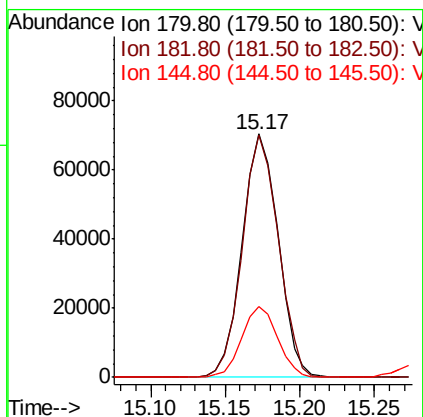
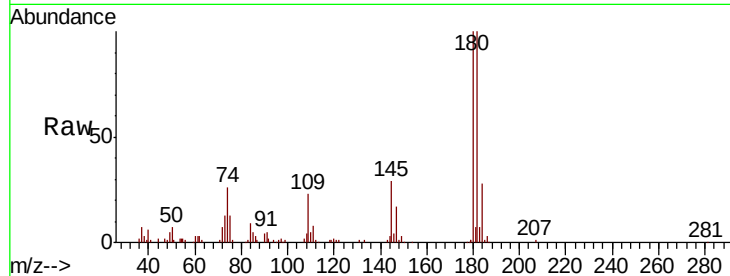




#93
 1,2,4-Trichlorobenzene
 Concen: 21.756 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

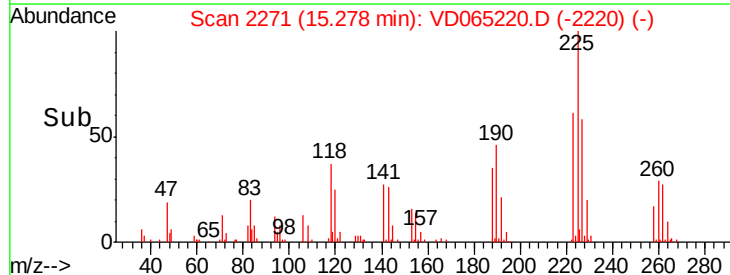
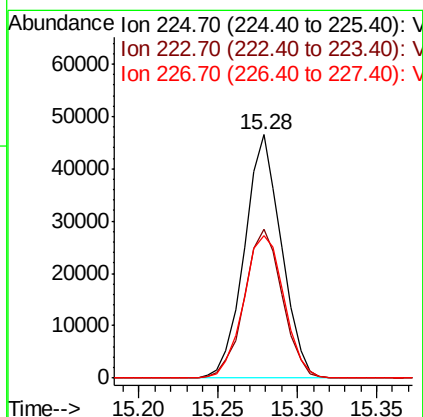
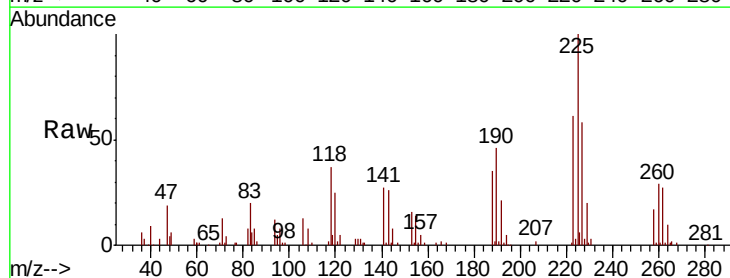
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

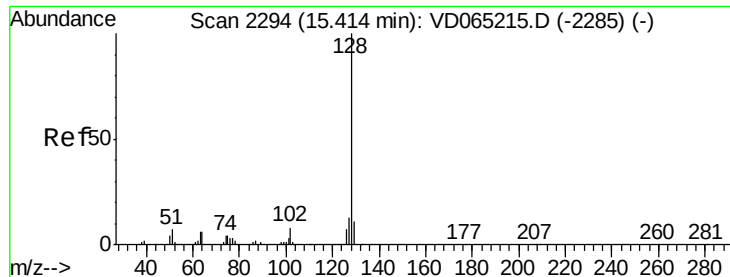
Tot Ion	Ratio	Lower	Upper
180	100		
182	99.3	46.9	140.6
145	28.9	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 21.623 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.2
227	64.1	31.7	95.1

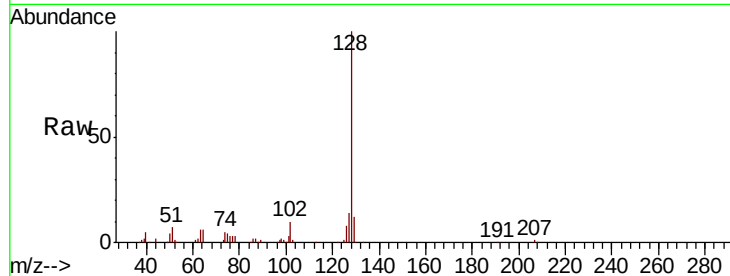




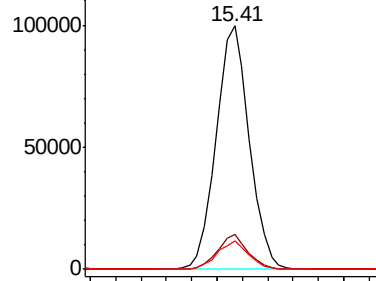
#95
Naphthalene
Concen: 20.515 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

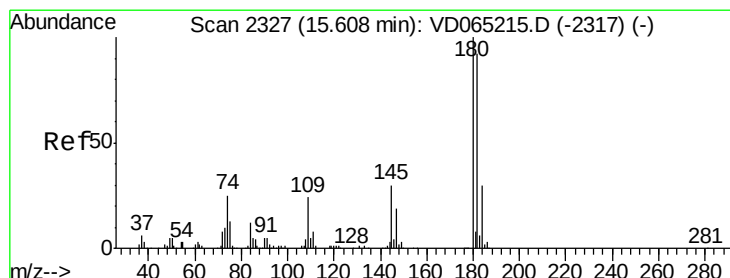
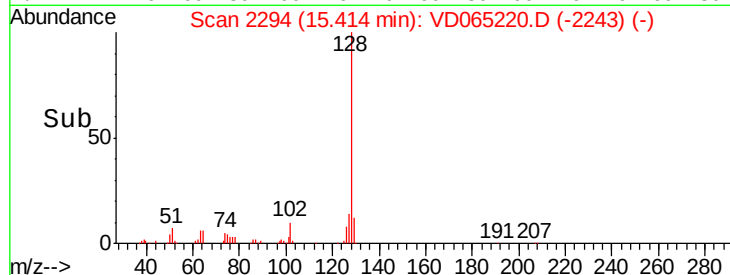
Tot Ion:128 Resp: 180990
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.1 8.8 13.2



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

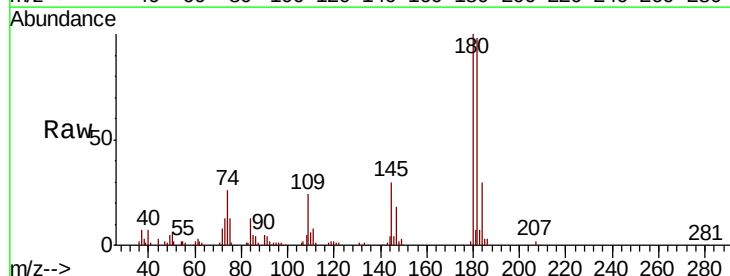


Time--> 15.30 15.40 15.50

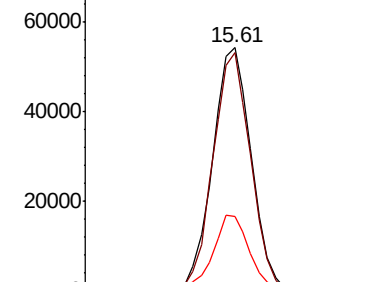


#96
1,2,3-Trichlorobenzene
Concen: 21.983 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion:180 Resp: 104190
Ion Ratio Lower Upper
180 100
182 95.4 46.9 140.6
145 29.2 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



Time--> 15.55 15.60 15.65

