

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022620\
 Data File : VD065321.D
 Acq On : 26 Feb 2020 11:57
 Operator : VA/SY
 Sample : VD0226SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 27 08:00:57 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	471062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	700559	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	637616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	319948	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	222485	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
35) Dibromofluoromethane	7.92	113	232277	54.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.76%	
50) Toluene-d8	10.34	98	910846	55.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.56%	
62) 4-Bromofluorobenzene	12.64	95	297264	57.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	71984	18.219	ug/l	97
3) Chloromethane	2.21	50	96545	19.198	ug/l	98
4) Vinyl Chloride	2.35	62	96283	18.828	ug/l	98
5) Bromomethane	2.76	94	57934	18.738	ug/l	93
6) Chloroethane	2.91	64	59321	19.004	ug/l	100
7) Trichlorofluoromethane	3.27	101	147090	20.091	ug/l	98
8) Diethyl Ether	3.70	74	45264	20.482	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	95154	20.581	ug/l	98
10) Methyl Iodide	4.29	142	90192	18.788	ug/l	100
11) Tert butyl alcohol	5.25	59	22970	90.708	ug/l	97
12) 1,1-Dichloroethene	4.06	96	88960	20.369	ug/l	87
13) Acrolein	3.92	56	37737	104.651	ug/l	99
14) Allyl chloride	4.71	41	141533	19.956	ug/l	97
15) Acrylonitrile	5.43	53	106734	109.089	ug/l	97
16) Acetone	4.17	43	95929	92.604	ug/l	97
17) Carbon Disulfide	4.40	76	282268	19.277	ug/l	98
18) Methyl Acetate	4.73	43	53840	23.109	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	186846	20.515	ug/l	97
20) Methylene Chloride	4.96	84	117243	22.928	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	100866	20.315	ug/l	97
22) Diisopropyl ether	6.37	45	284649	20.819	ug/l	99
23) Vinyl Acetate	6.31	43	757823	100.540	ug/l	98
24) 1,1-Dichloroethane	6.27	63	175878	20.739	ug/l	99
25) 2-Butanone	7.22	43	127821	97.525	ug/l	100
26) 2,2-Dichloropropane	7.21	77	151117	20.538	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	108600	20.650	ug/l	99
28) Bromochloromethane	7.55	49	60260	19.153	ug/l	98
29) Tetrahydrofuran	7.57	42	80866	105.303	ug/l	98
30) Chloroform	7.71	83	177655	20.793	ug/l	98
31) Cyclohexane	7.98	56	164545	19.748	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	157875	20.653	ug/l	99
36) 1,1-Dichloropropene	8.11	75	139323	20.439	ug/l	98
37) Ethyl Acetate	7.30	43	60201	21.126	ug/l	99
38) Carbon Tetrachloride	8.10	117	143386	20.664	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	162432	20.269	ug/l	96
40) Benzene	8.36	78	398527	20.713	ug/l	99
41) Methacrylonitrile	7.56	41	80864	49.147	ug/l #	21
42) 1,2-Dichloroethane	8.43	62	107927	20.404	ug/l	99
43) Isopropyl Acetate	8.46	43	108438	20.926	ug/l	100
44) Trichloroethene	9.11	130	113816	21.341	ug/l	97
45) 1,2-Dichloropropane	9.39	63	99466	20.790	ug/l	99
46) Dibromomethane	9.48	93	51969	21.112	ug/l	99
47) Bromodichloromethane	9.67	83	136728	21.077	ug/l	95
48) Methyl methacrylate	9.46	41	48559	20.273	ug/l	92
49) 1,4-Dioxane	9.47	88	11775	407.854	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	280499	106.574	ug/l	99
52) Toluene	10.41	92	255436	21.449	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	126348	21.013	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	151490	20.864	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	73385	21.181	ug/l	96
56) Ethyl methacrylate	10.67	69	83825	20.961	ug/l	98
57) 1,3-Dichloropropane	10.95	76	126540	21.459	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	129253	102.519	ug/l	100
59) 2-Hexanone	10.99	43	196149	104.110	ug/l	99
60) Dibromochloromethane	11.14	129	92892	20.947	ug/l	97
61) 1,2-Dibromoethane	11.25	107	70699	21.552	ug/l	99
64) Tetrachloroethene	10.88	164	96396	21.316	ug/l	93
65) Chlorobenzene	11.67	112	269393	21.054	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	101654	21.289	ug/l	99
67) Ethyl Benzene	11.75	91	466931	20.836	ug/l	98
68) m/p-Xylenes	11.86	106	365097	42.583	ug/l	99
69) o-Xylene	12.18	106	164260	21.625	ug/l	96
70) Styrene	12.20	104	285729	21.187	ug/l	100
71) Bromoform	12.37	173	57782	21.808	ug/l #	100
73) Isopropylbenzene	12.48	105	442821	20.905	ug/l	100
74) N-amyl acetate	12.30	43	95535	20.297	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	81303	21.267	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	106129	38.986	ug/l #	100
77) Bromobenzene	12.77	156	112144	21.321	ug/l	99
78) n-propylbenzene	12.83	91	542352	21.306	ug/l	99
79) 2-Chlorotoluene	12.91	91	299028	20.970	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	373582	21.413	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	25588	20.296	ug/l	97
82) 4-Chlorotoluene	13.01	91	316862	20.930	ug/l	100
83) tert-Butylbenzene	13.23	119	306521	20.963	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	372842	21.351	ug/l	100
85) sec-Butylbenzene	13.41	105	440424	20.903	ug/l	100
86) p-Isopropyltoluene	13.53	119	409944	21.276	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	208178	20.473	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	212694	21.193	ug/l	99
89) n-Butylbenzene	13.86	91	373518	21.037	ug/l	99
90) Hexachloroethane	14.12	117	82166	21.002	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	181182	20.752	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12089	20.520	ug/l	94

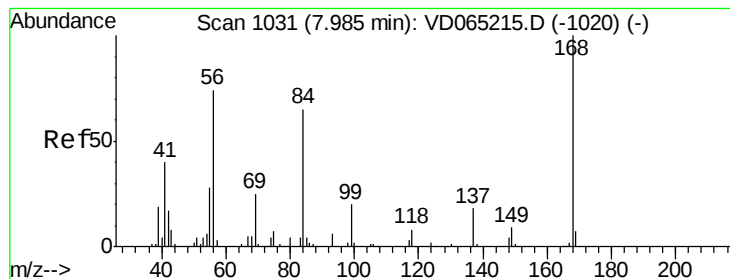
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022620\
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Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	123602	21.642	ug/l	99
94) Hexachlorobutadiene	15.28	225	78537	21.437	ug/l	98
95) Naphthalene	15.41	128	196197	21.132	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	107577	21.568	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

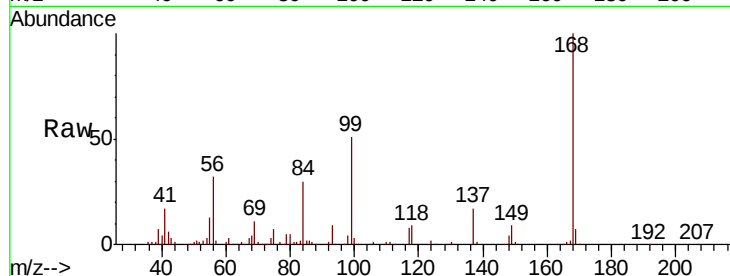
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 471062

Ion Ratio Lower Upper

168 100

99 51.0 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

250000

200000

150000

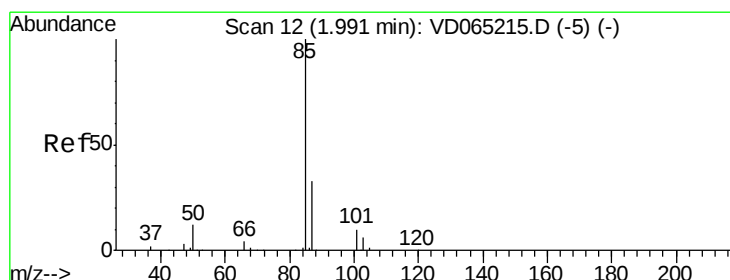
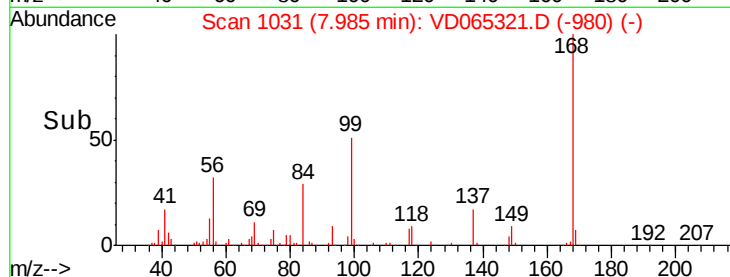
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.219 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065321.D

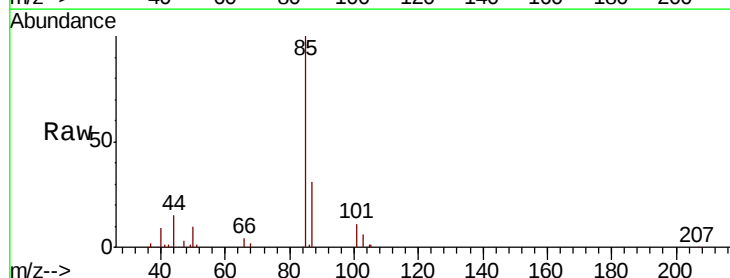
Acq: 26 Feb 2020 11:57

Tgt Ion: 85 Resp: 71984

Ion Ratio Lower Upper

85 100

87 31.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

50000

40000

30000

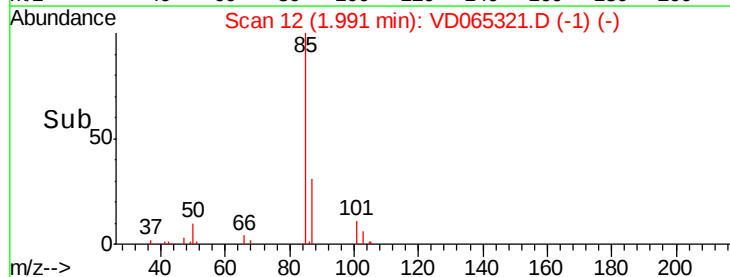
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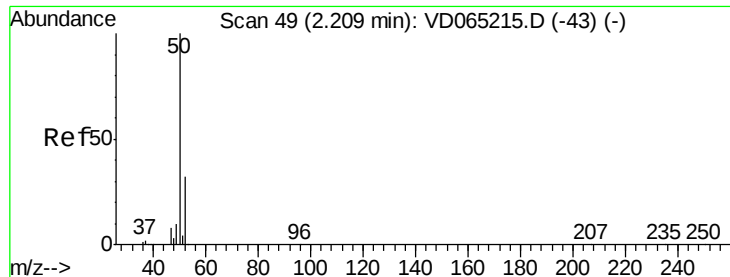
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 19.198 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

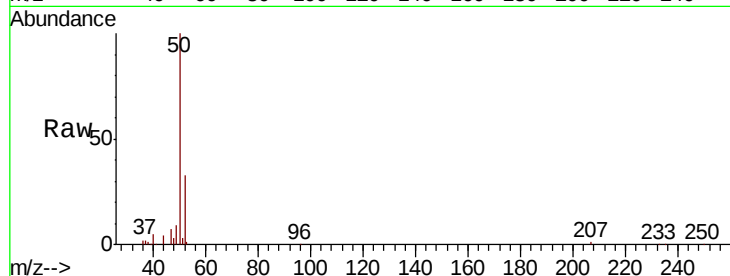
ClientSampleId :

Tot Ion: 50 Resp: 96545

Ion Ratio Lower Upper

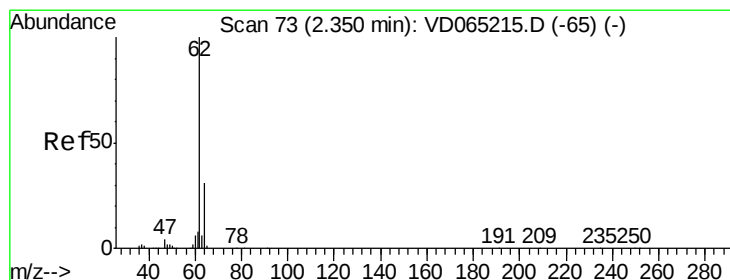
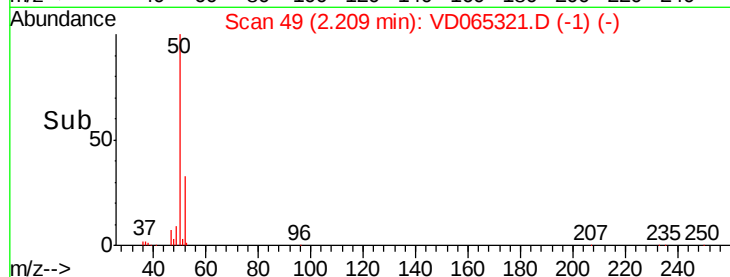
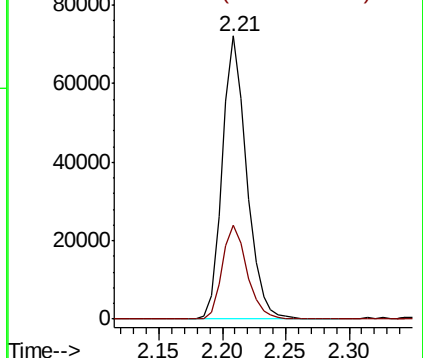
50 100

52 33.1 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: 18.828 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065321.D

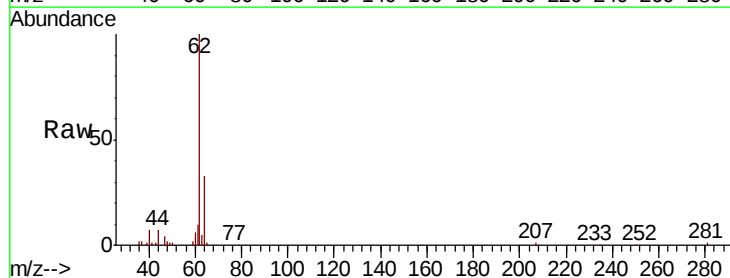
Acq: 26 Feb 2020 11:57

Tgt Ion: 62 Resp: 96283

Ion Ratio Lower Upper

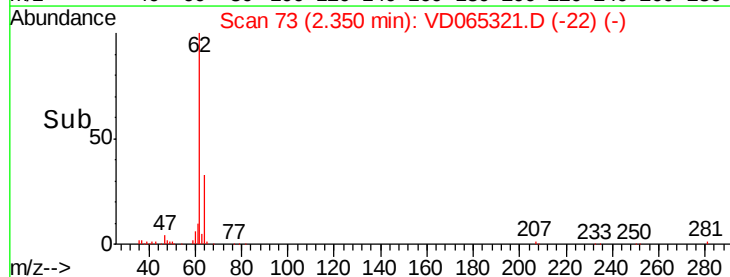
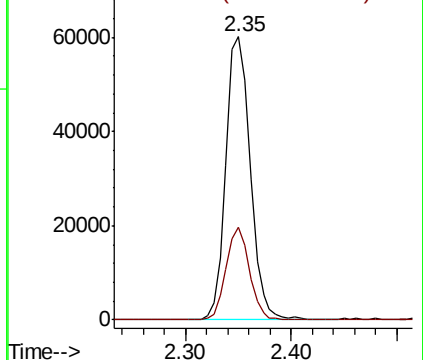
62 100

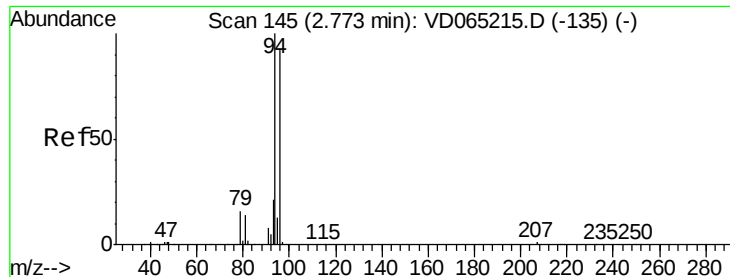
64 32.6 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 18.738 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

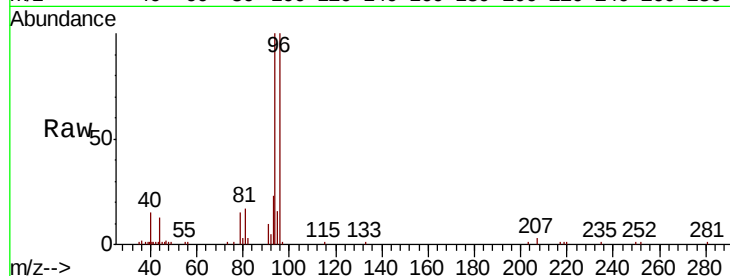
ClientSampled :

Tot Ion: 94 Resp: 57934

Ion Ratio Lower Upper

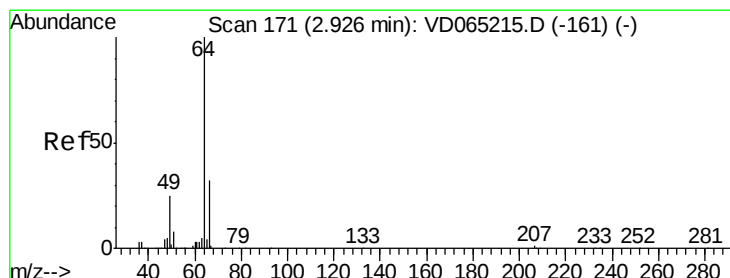
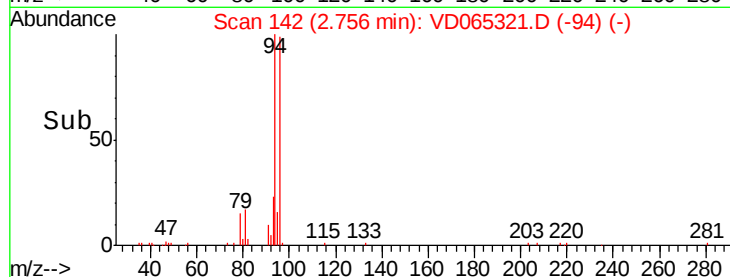
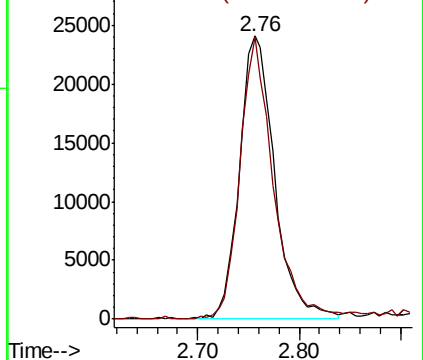
94 100

96 99.6 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: 19.004 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065321.D

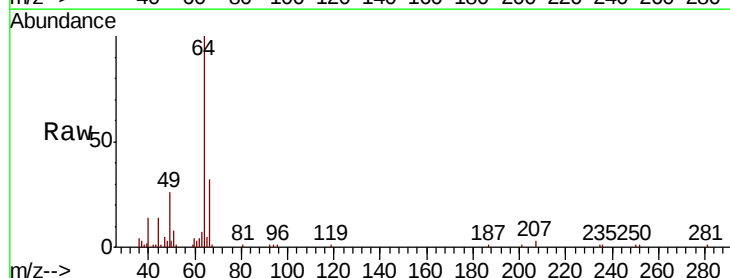
Acq: 26 Feb 2020 11:57

Tgt Ion: 64 Resp: 59321

Ion Ratio Lower Upper

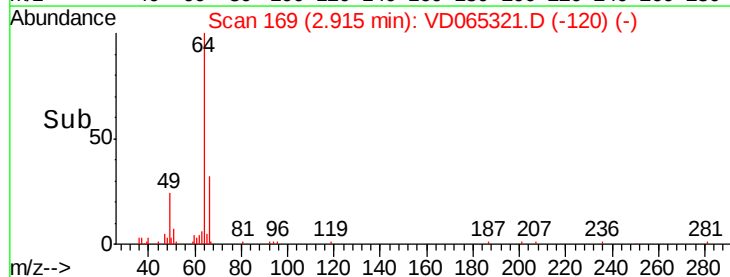
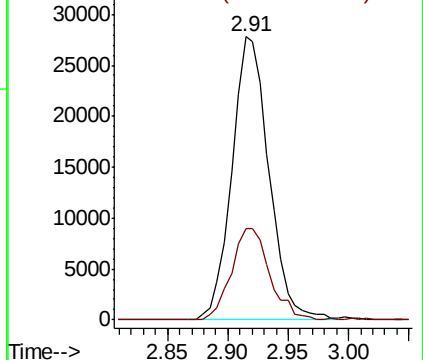
64 100

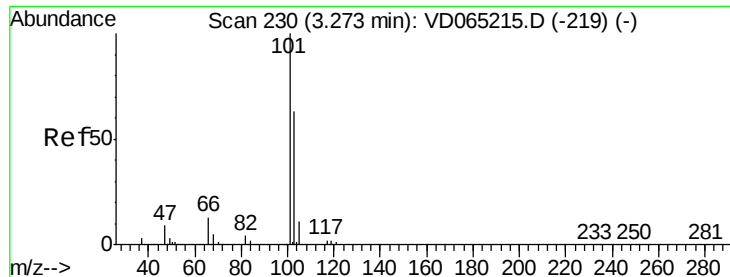
66 32.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



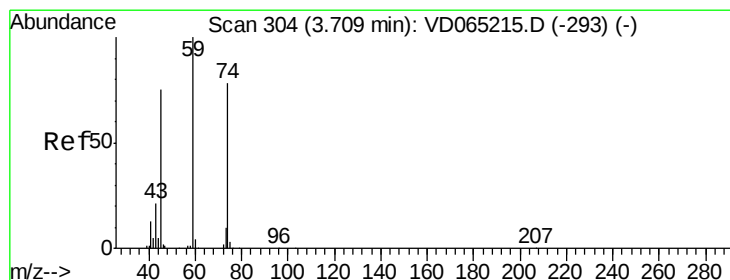
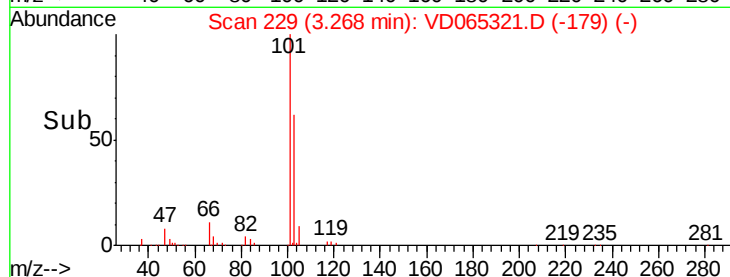
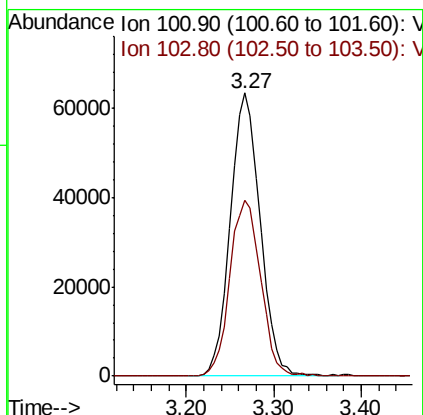
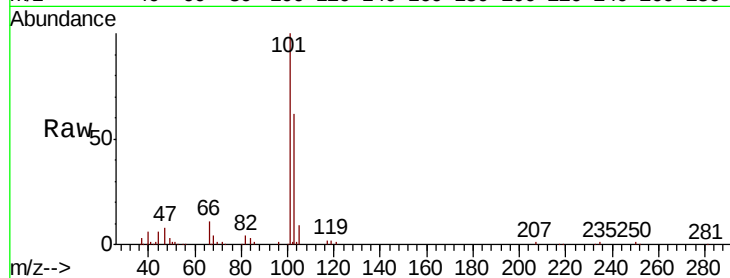


#7

Trichlorofluoromethane
 Concen: 20.091 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Instrument :
 MSVOA_D
 ClientSampleId :

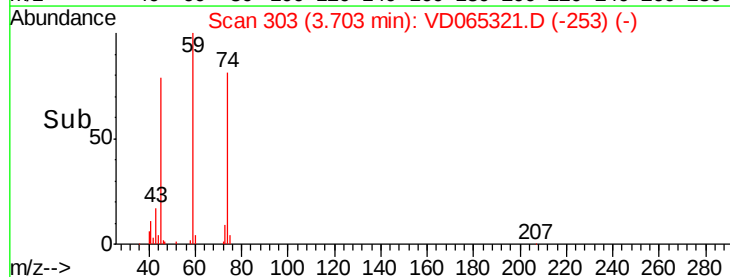
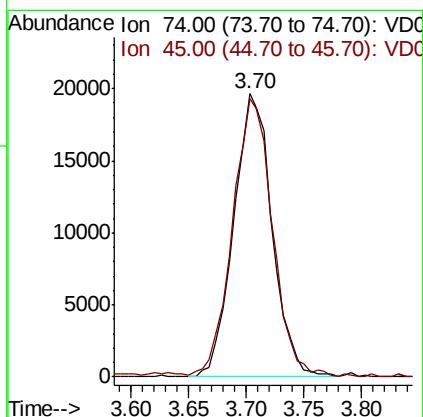
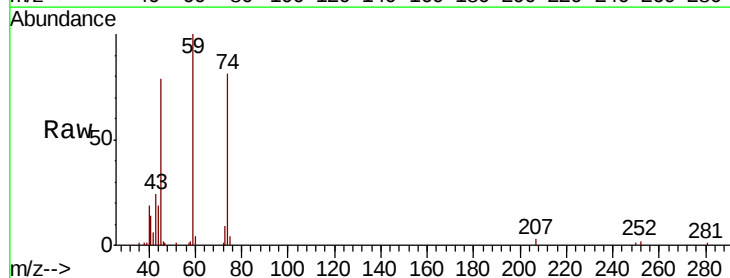
Tot Ion:101 Resp: 147090
 Ion Ratio Lower Upper
 101 100
 103 62.0 50.7 76.1

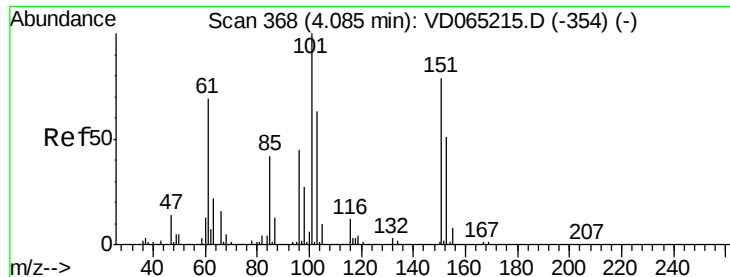


#8

Diethyl Ether
 Concen: 20.482 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Tgt Ion: 74 Resp: 45264
 Ion Ratio Lower Upper
 74 100
 45 102.6 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.581 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065321.D

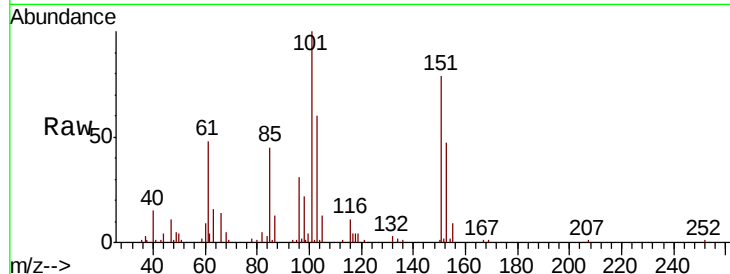
Acq: 26 Feb 2020 11:57

Instrument :

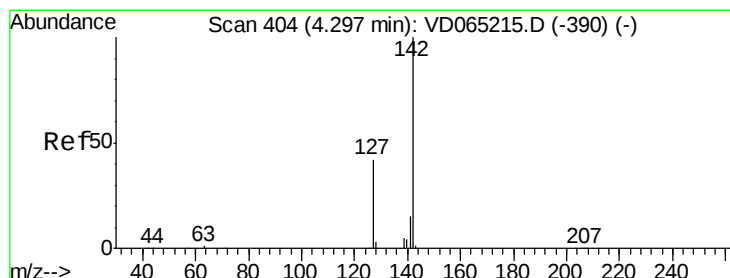
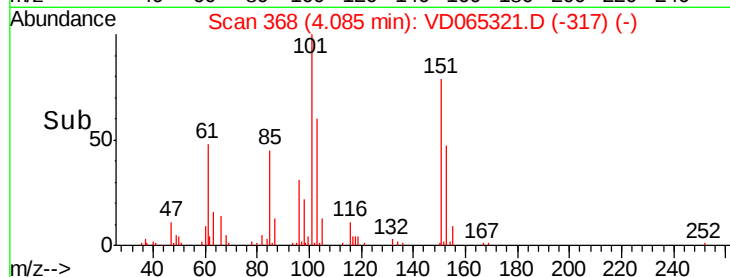
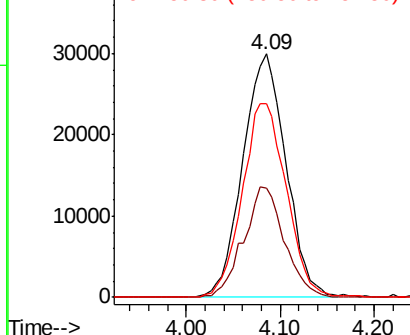
MSVOA_D

ClientSampleId :

Tot Ion:	101	Resp:	95154
Ion	Ratio	Lower	Upper
101	100		
85	42.9	34.2	51.2
151	81.4	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: 18.788 ug/l

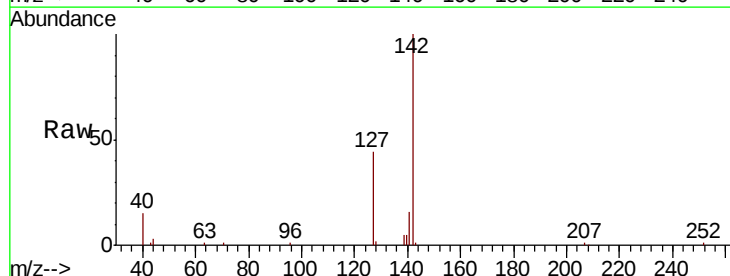
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

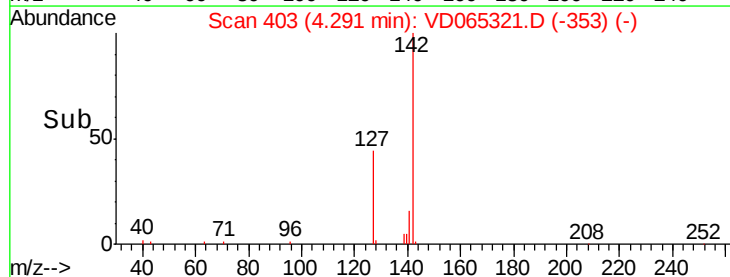
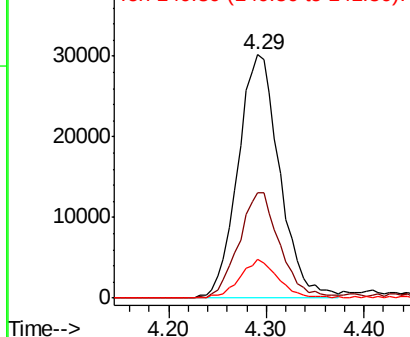
Lab File: VD065321.D

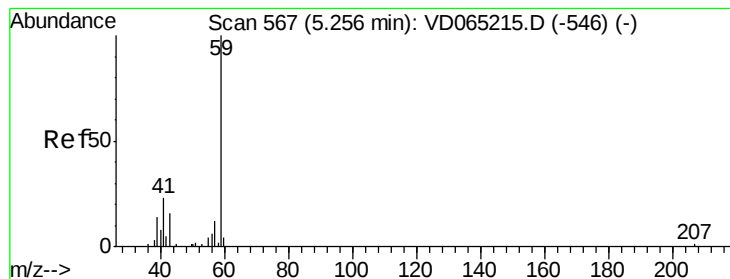
Acq: 26 Feb 2020 11:57

Tgt Ion:	142	Resp:	90192
Ion	Ratio	Lower	Upper
142	100		
127	42.5	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



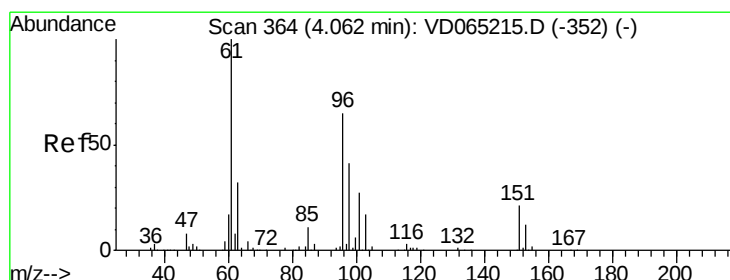
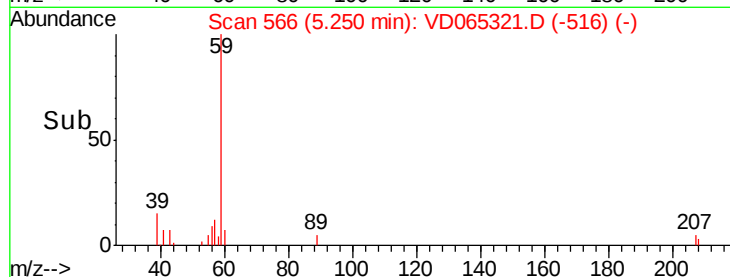
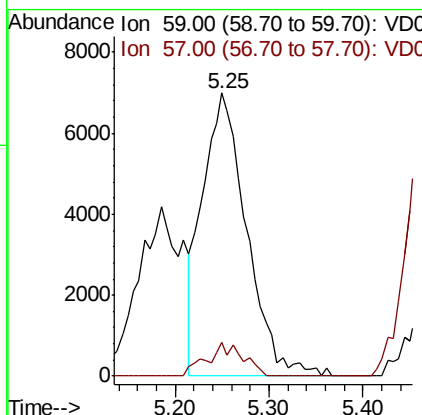
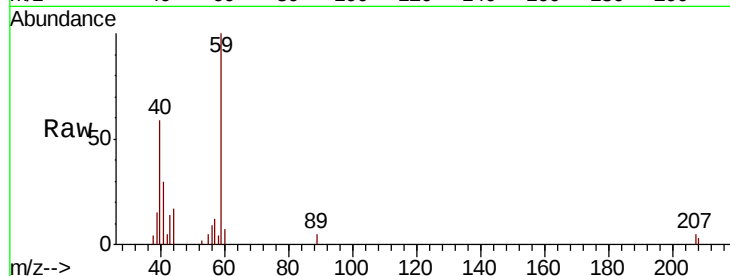


#11

Tert butyl alcohol
Concen: 90.708 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Instrument :
MSVOA_D
ClientSampled :

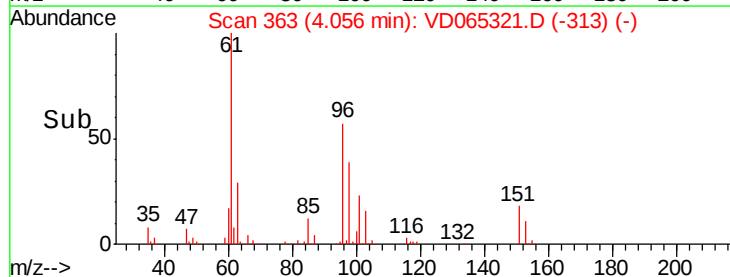
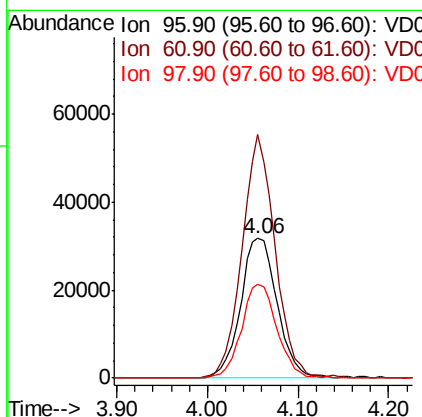
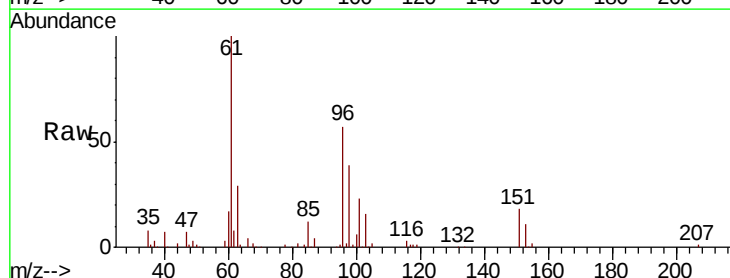
Tot Ion: 59 Resp: 22970
Ion Ratio Lower Upper
59 100
57 9.6 8.4 12.6

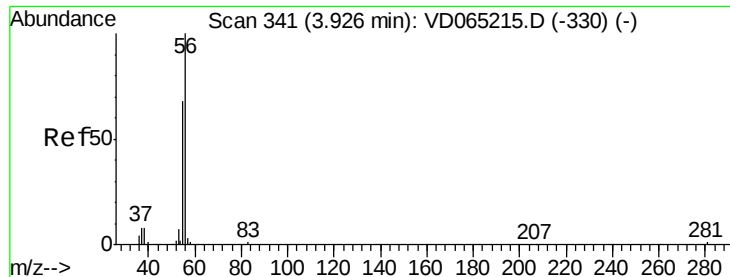


#12

1,1-Dichloroethene
Concen: 20.369 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion: 96 Resp: 88960
Ion Ratio Lower Upper
96 100
61 174.4 123.3 184.9
98 67.6 51.0 76.4





#13

Acrolein

Concen: 104.651 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

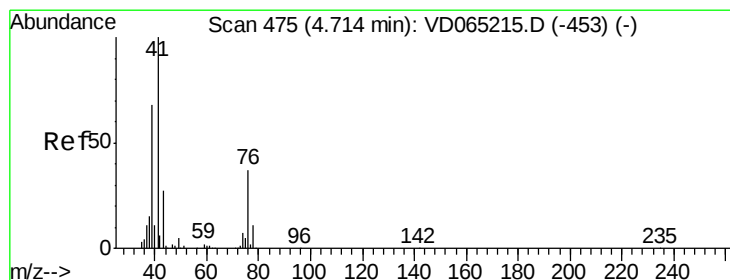
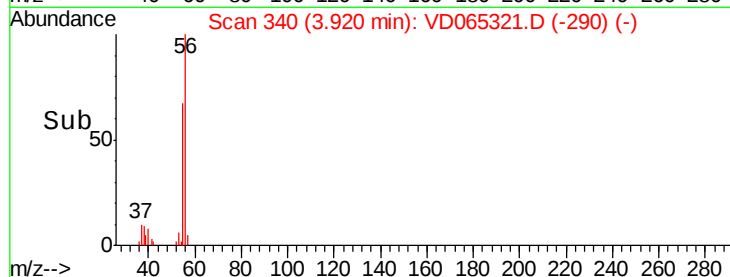
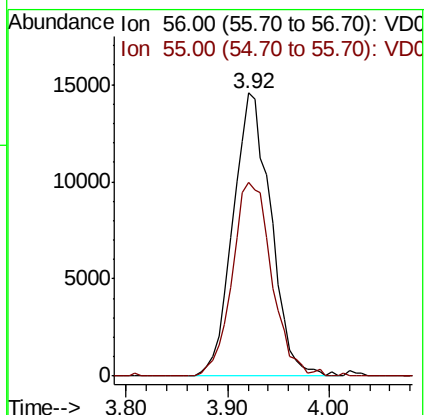
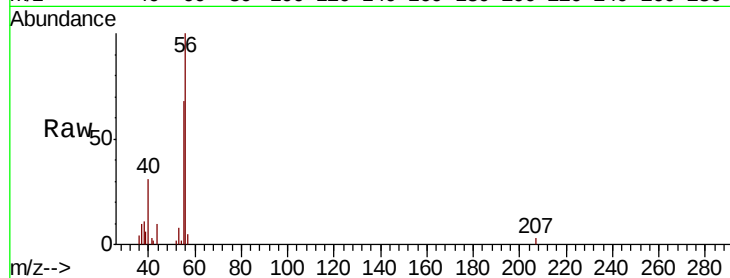
ClientSampleId :

Tot Ion: 56 Resp: 37737

Ion Ratio Lower Upper

56 100

55 71.5 56.6 85.0



#14

Allyl chloride

Concen: 19.956 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

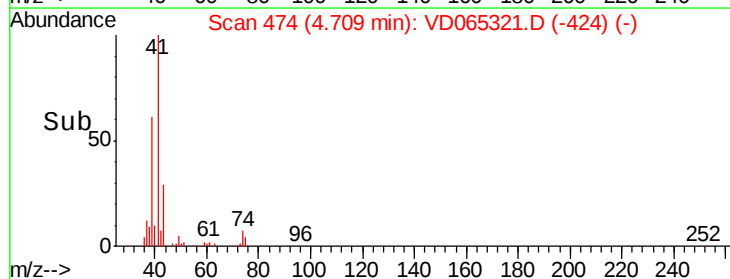
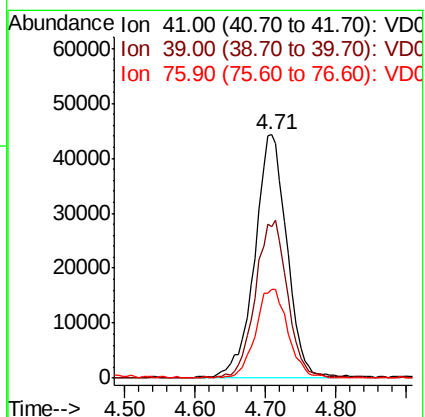
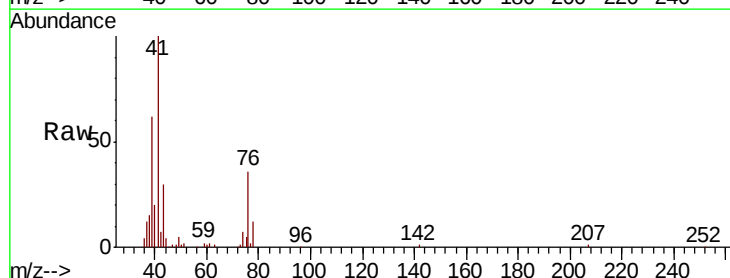
Tgt Ion: 41 Resp: 141533

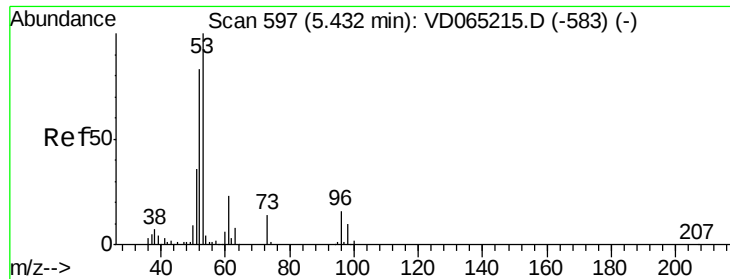
Ion Ratio Lower Upper

41 100

39 64.3 53.8 80.6

76 36.4 28.7 43.1





#15

Acrylonitrile

Concen: 109.089 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :
MSVOA_D
ClientSampleId :

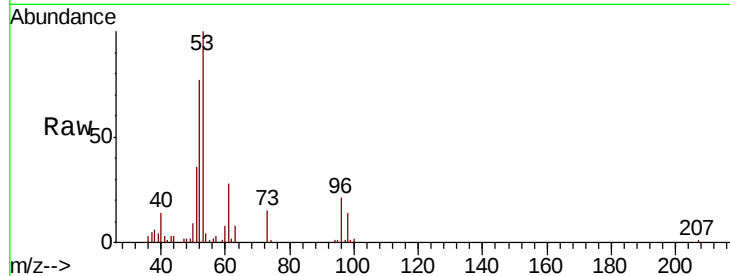
Tot Ion: 53 Resp: 106734

Ion Ratio Lower Upper

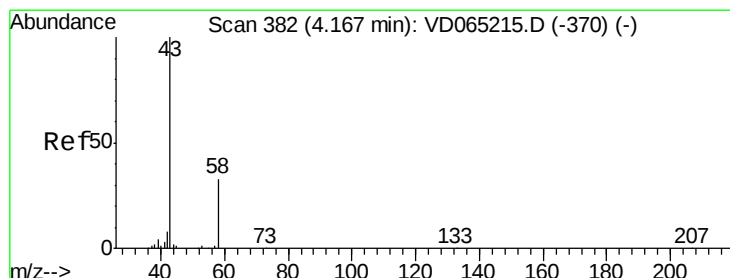
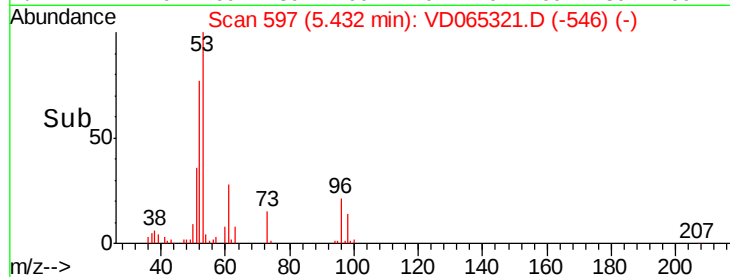
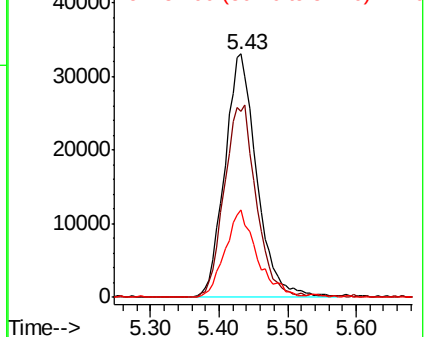
53 100

52 78.8 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: 92.604 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065321.D

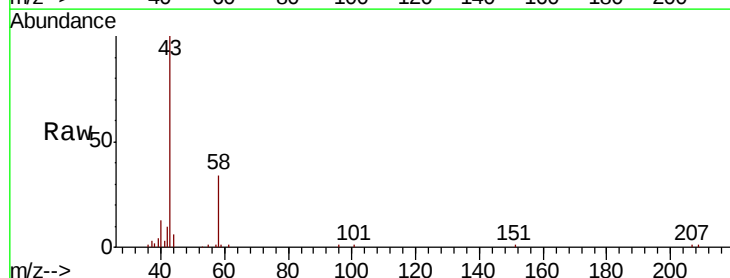
Acq: 26 Feb 2020 11:57

Tgt Ion: 43 Resp: 95929

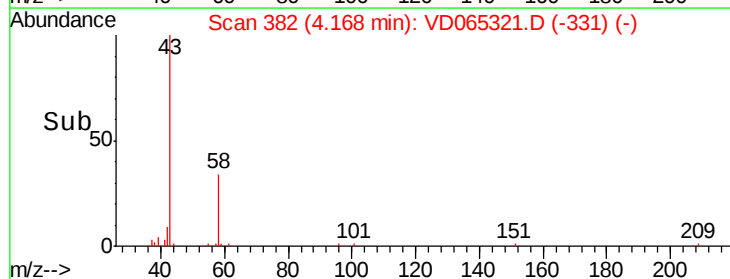
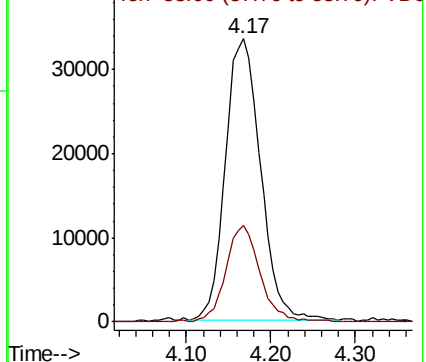
Ion Ratio Lower Upper

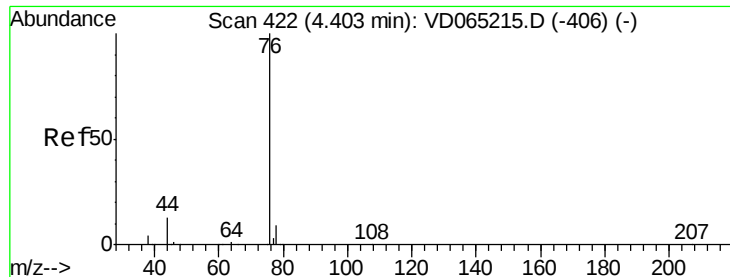
43 100

58 34.2 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: 19.277 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

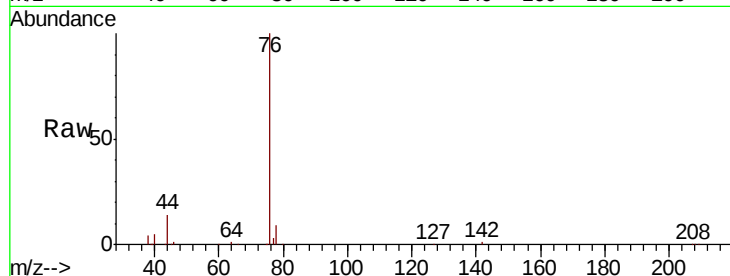
ClientSampleId :

Tot Ion: 76 Resp: 282268

Ion Ratio Lower Upper

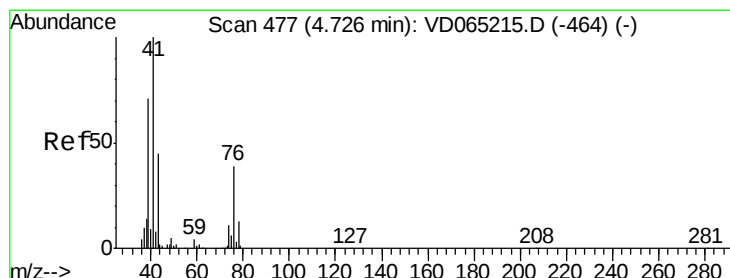
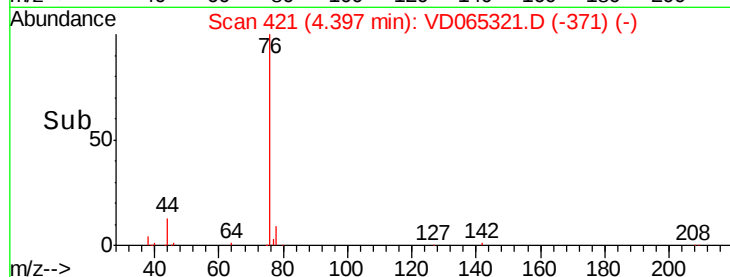
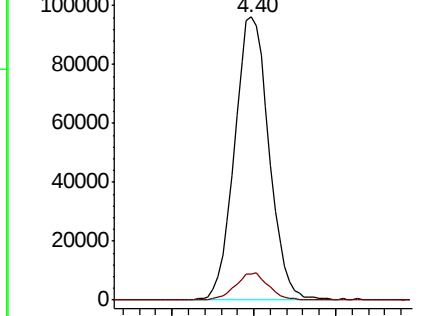
76 100

78 9.4 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 23.109 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065321.D

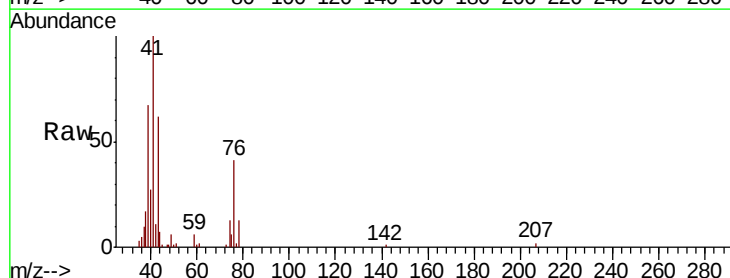
Acq: 26 Feb 2020 11:57

Tgt Ion: 43 Resp: 53840

Ion Ratio Lower Upper

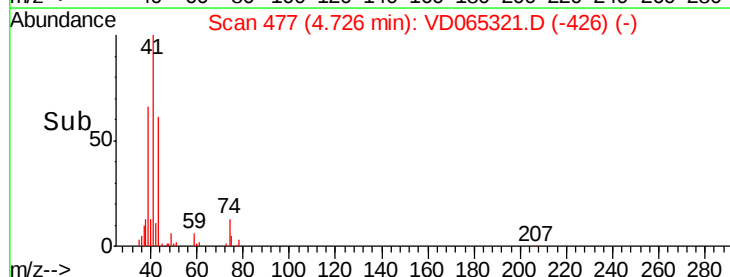
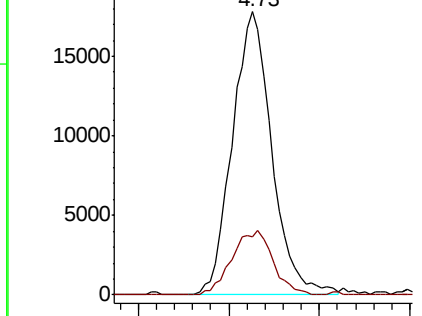
43 100

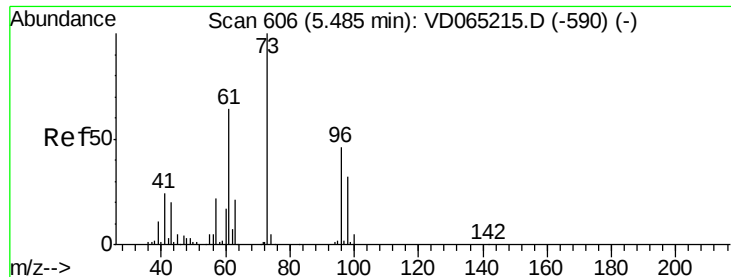
74 23.5 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



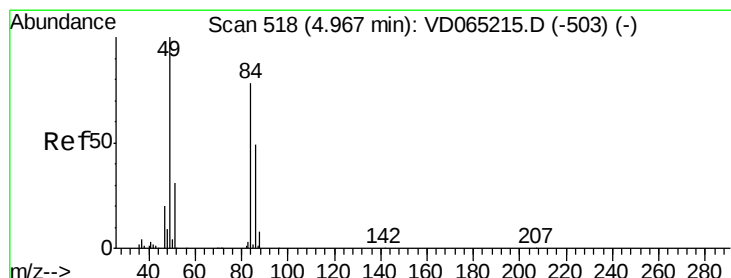
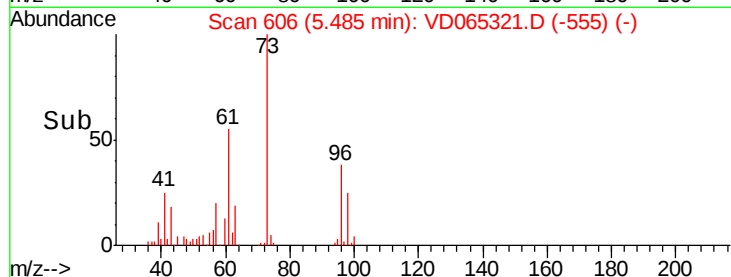
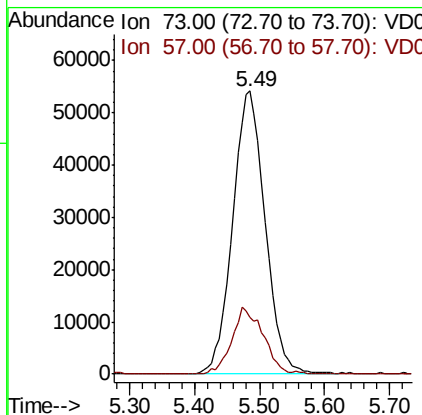
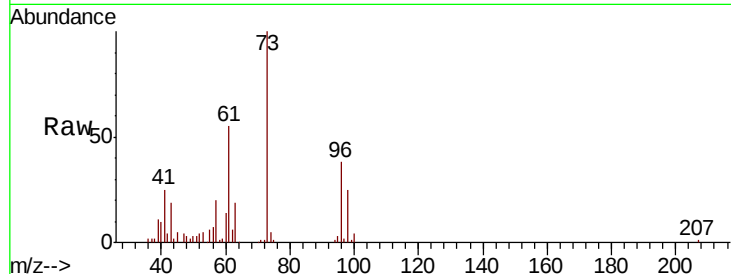


#19

Methyl tert-butyl Ether
 Concen: 20.515 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Instrument :
 MSVOA_D
 ClientSampleId :

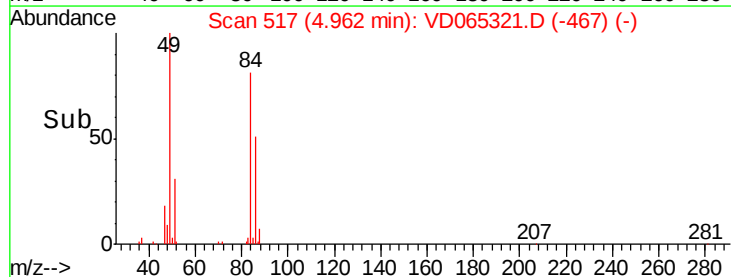
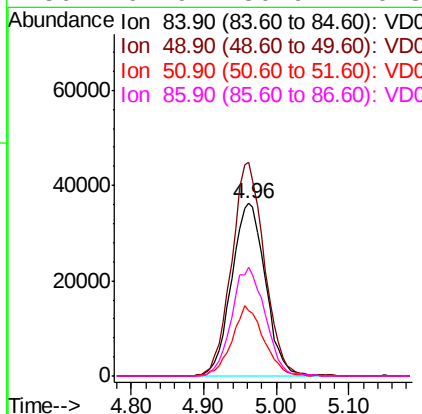
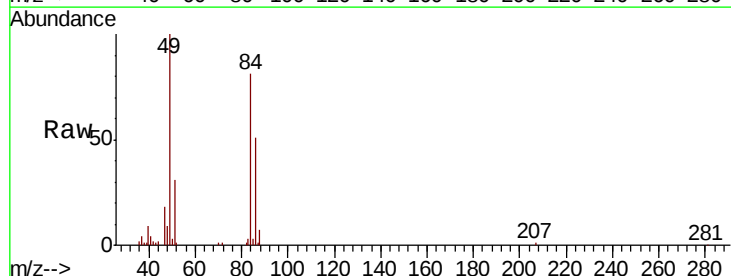
Tot Ion: 73 Resp: 186846
 Ion Ratio Lower Upper
 73 100
 57 20.2 17.3 25.9

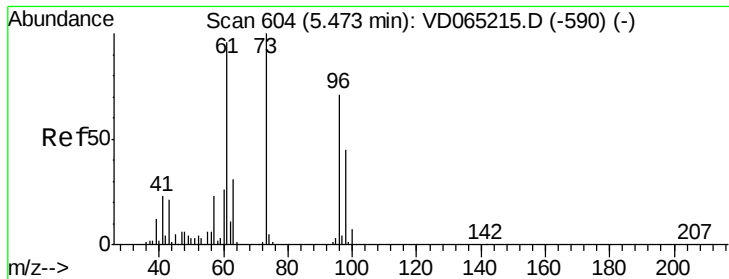


#20

Methylene Chloride
 Concen: 22.928 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Tgt Ion: 84 Resp: 117243
 Ion Ratio Lower Upper
 84 100
 49 123.7 103.1 154.7
 51 37.9 31.7 47.5
 86 62.9 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 20.315 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

ClientSampleId :

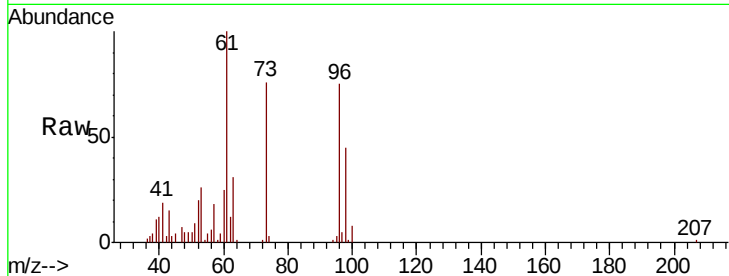
Tot Ion: 96 Resp: 100866

Ion Ratio Lower Upper

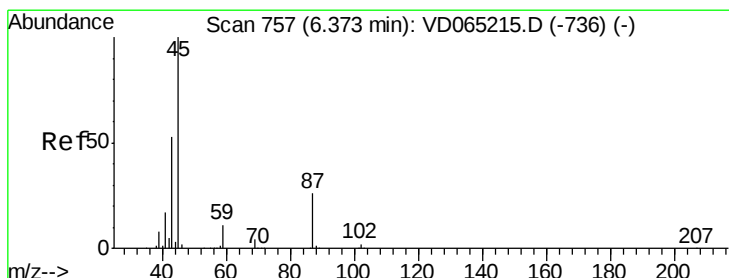
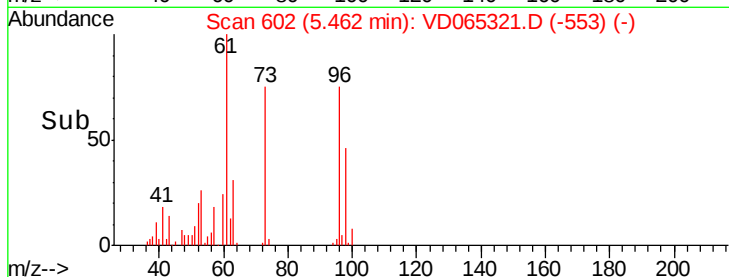
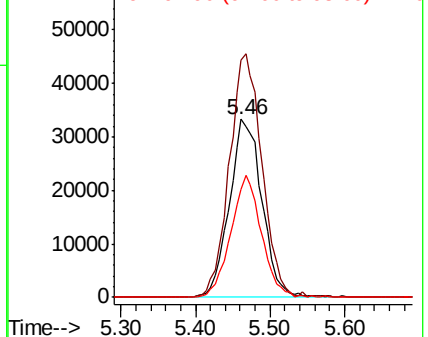
96 100

61 133.1 108.3 162.5

98 60.4 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: 20.819 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Tgt Ion: 45 Resp: 284649

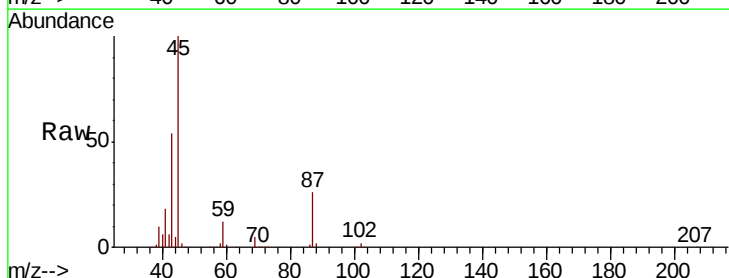
Ion Ratio Lower Upper

45 100

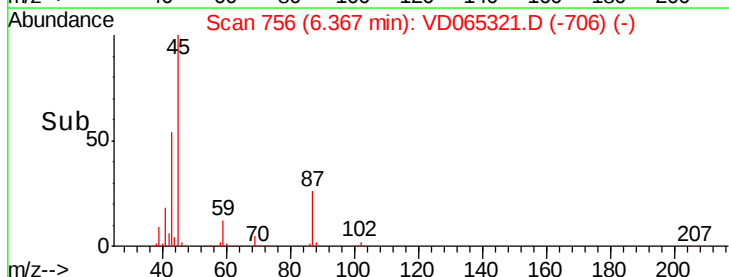
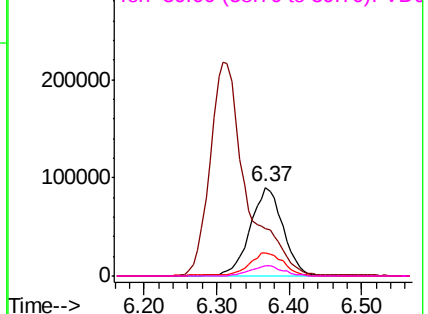
43 52.7 42.6 64.0

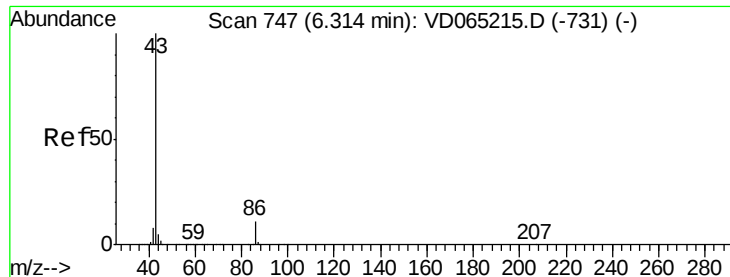
87 26.4 21.2 31.8

59 12.2 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: 100.540 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

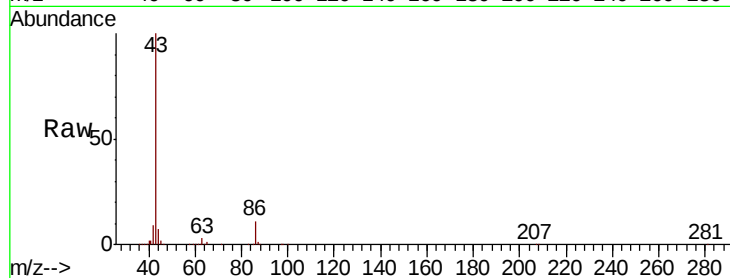
ClientSampleId :

Tot Ion: 43 Resp: 757823

Ion Ratio Lower Upper

43 100

86 11.4 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

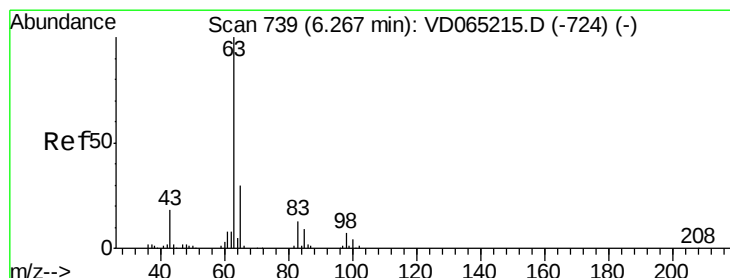
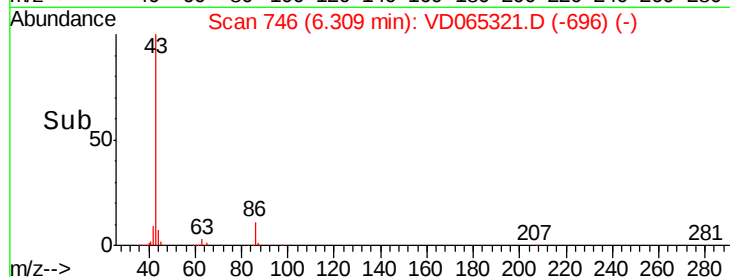
150000

100000

50000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 20.739 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

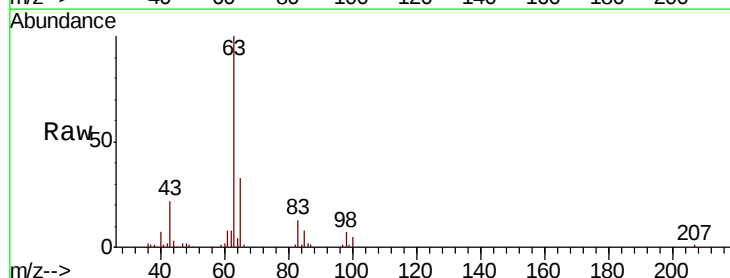
Tgt Ion: 63 Resp: 175878

Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.1

100 5.0 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

6.27

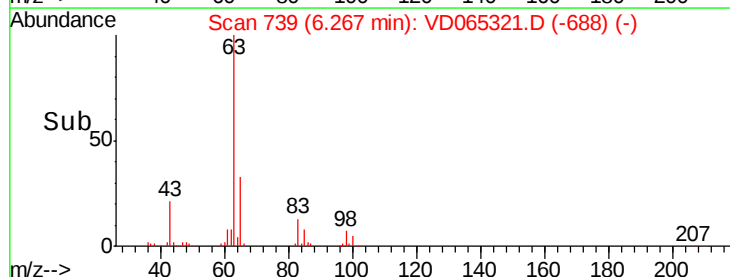
60000

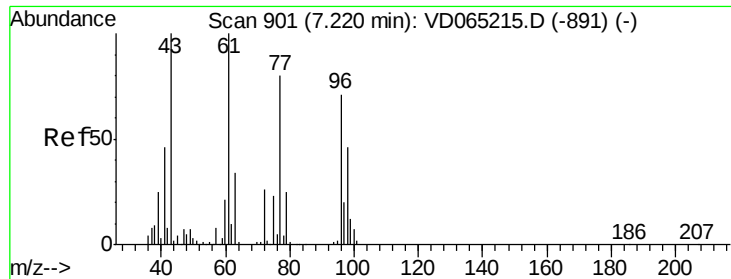
40000

20000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 97.525 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

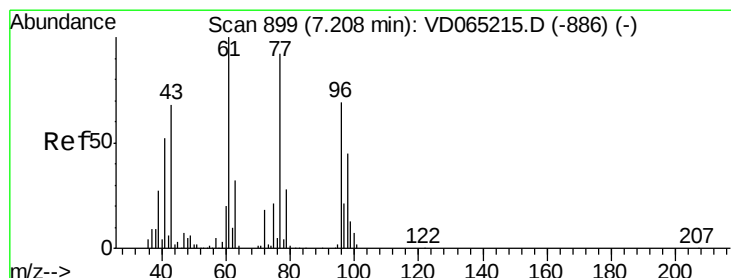
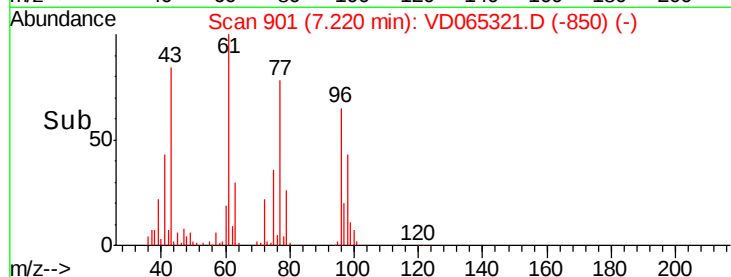
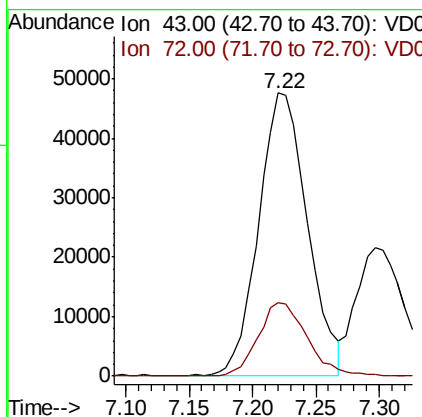
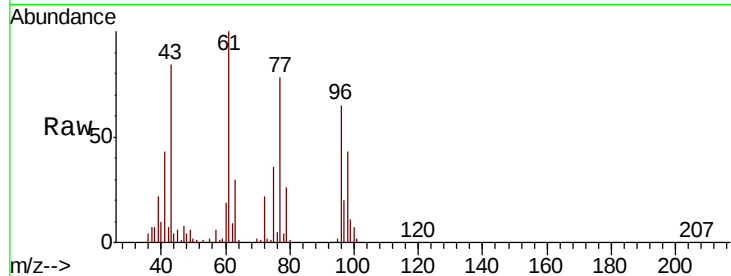
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 127821

Ion Ratio Lower Upper

43 100

72 26.0 20.9 31.3



#26

2,2-Dichloropropane

Concen: 20.538 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065321.D

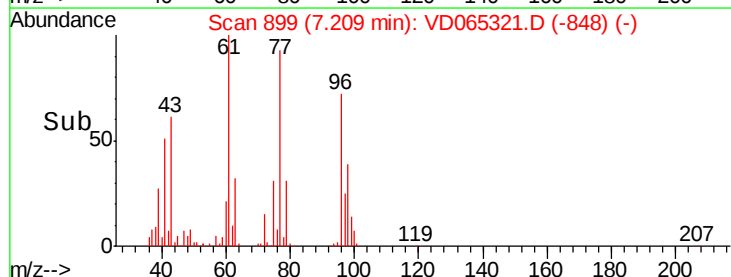
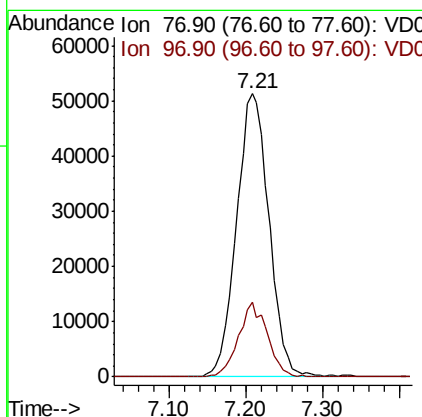
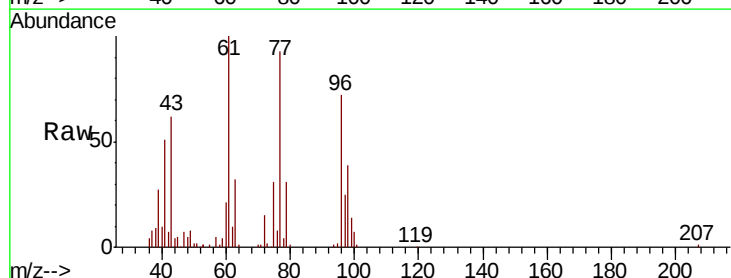
Acq: 26 Feb 2020 11:57

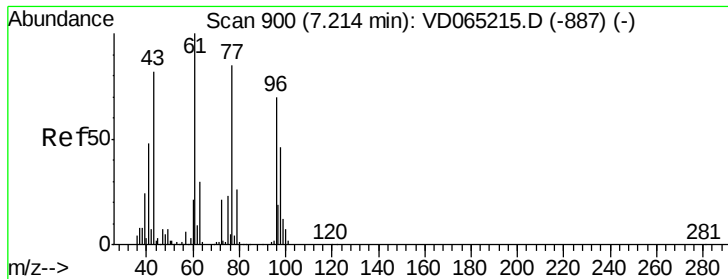
Tgt Ion: 77 Resp: 151117

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.1



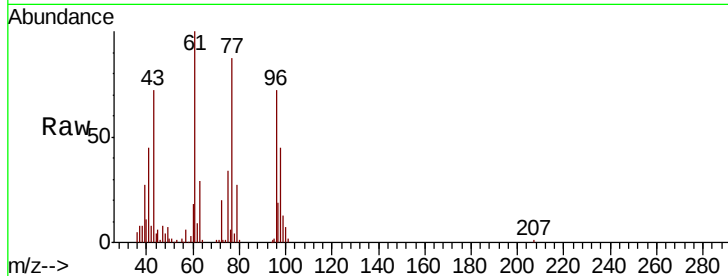


#27

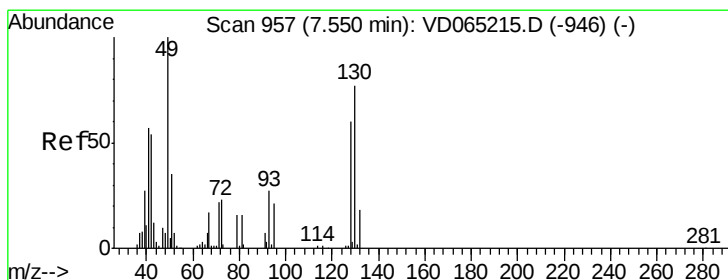
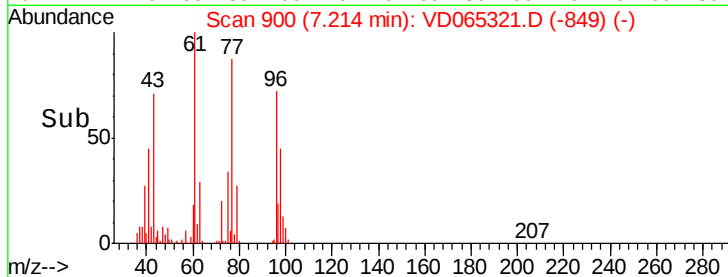
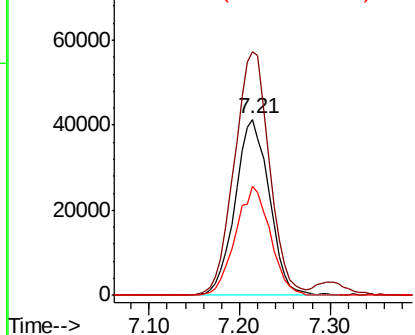
cis-1,2-Dichloroethene
 Concen: 20.650 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	96	Resp	108600
Ion Ratio	Lower	Upper	
96	100		
61	141.8	0.0	286.0
98	62.8	0.0	127.8



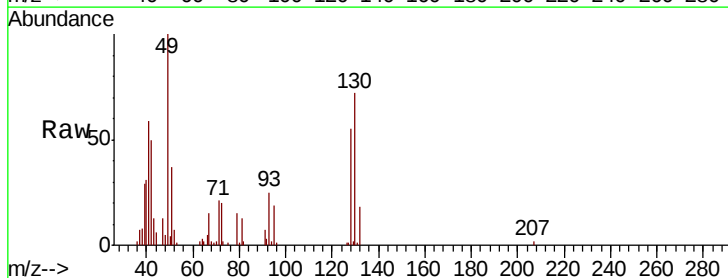
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



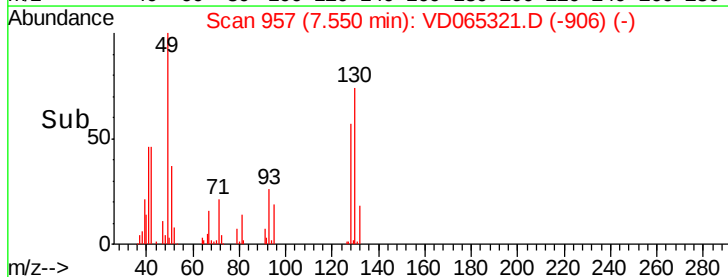
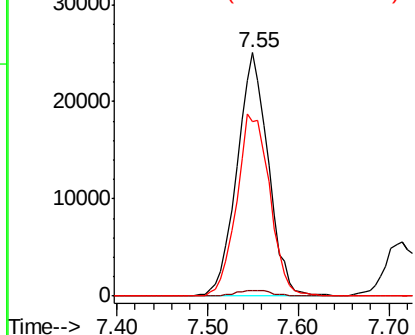
#28

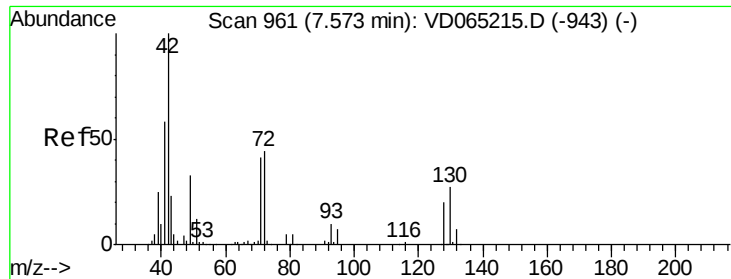
Bromochloromethane
 Concen: 19.153 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Tgt Ion	49	Resp	60260
Ion Ratio	Lower	Upper	
49	100		
129	2.5	0.0	4.6
130	78.9	64.7	97.1



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

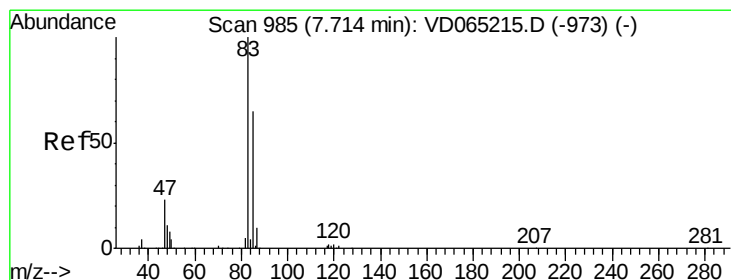
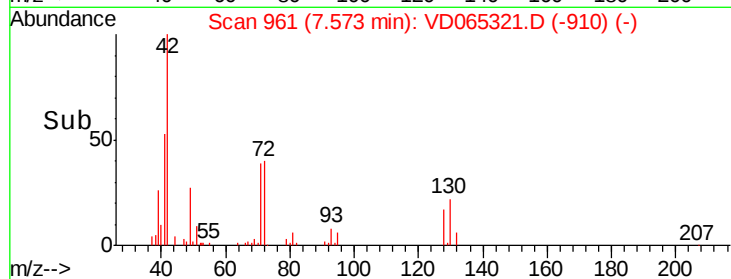
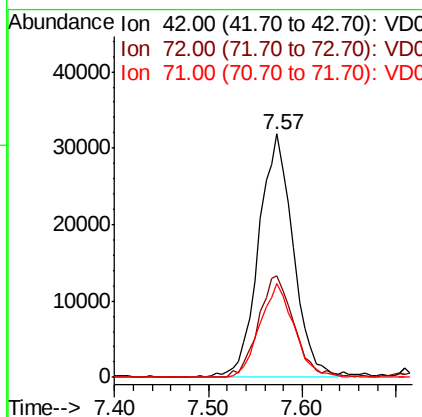
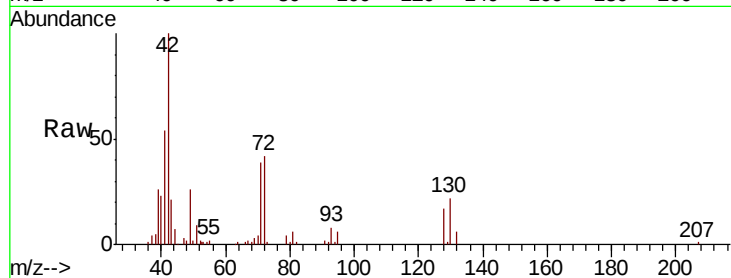




#29
Tetrahydrofuran
Concen: 105.303 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

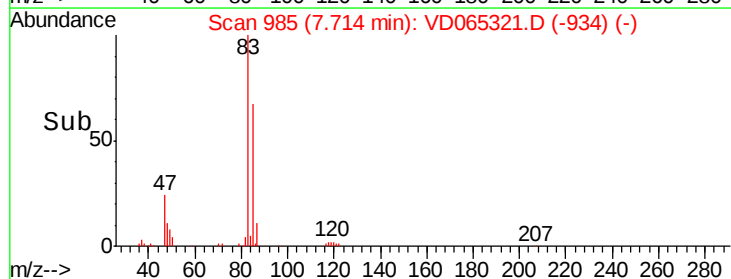
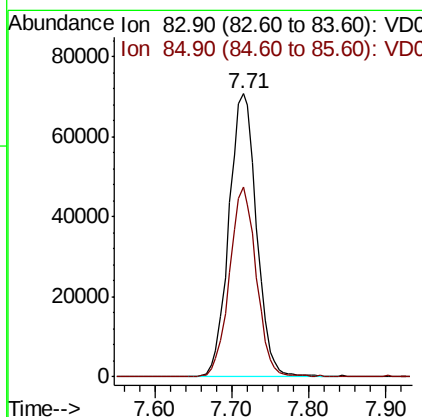
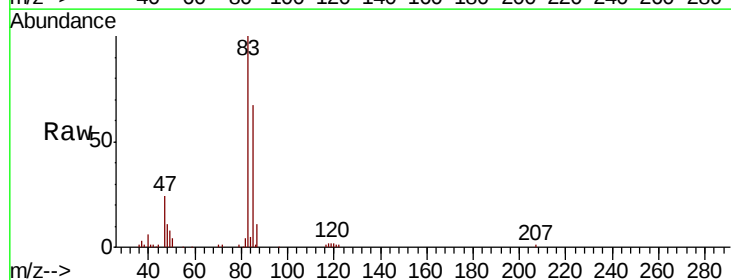
Instrument :
MSVOA_D
ClientSampleId :

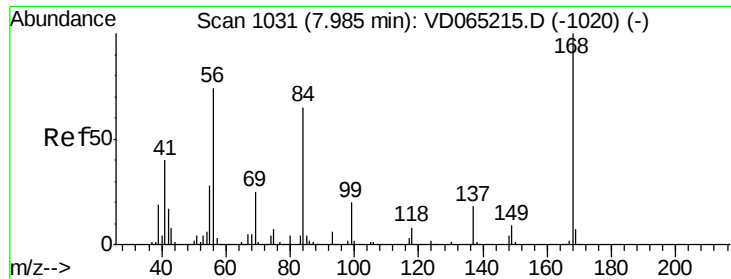
Tot Ion: 42 Resp: 80866
Ion Ratio Lower Upper
42 100
72 43.0 33.7 50.5
71 38.0 31.4 47.2



#30
Chloroform
Concen: 20.793 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion: 83 Resp: 177655
Ion Ratio Lower Upper
83 100
85 66.9 52.3 78.5

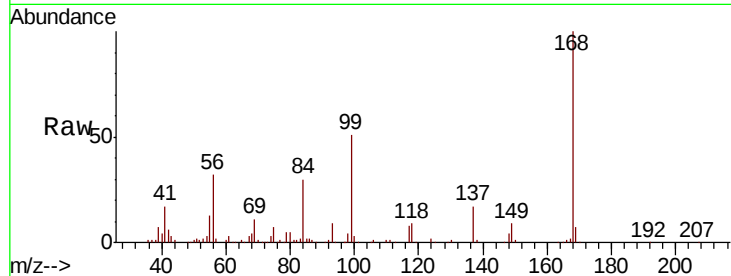




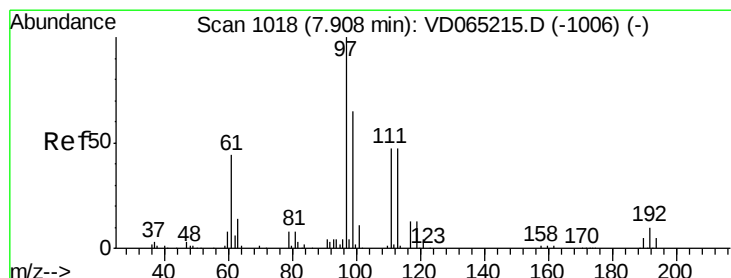
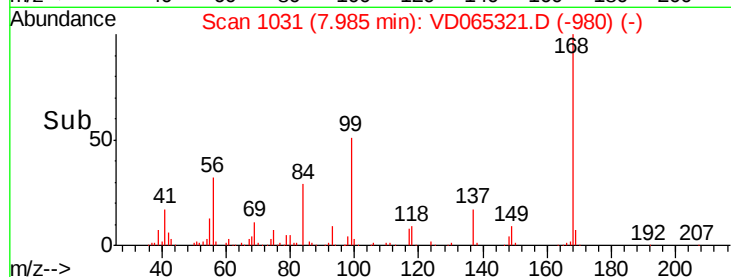
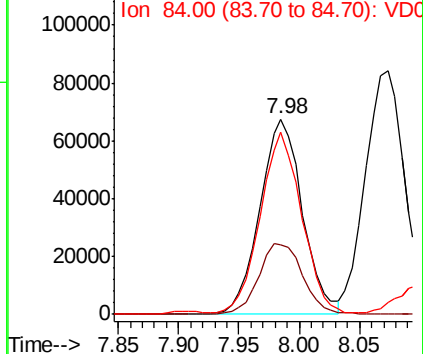
#31
Cyclohexane
Concen: 19.748 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 164545
Ion Ratio Lower Upper
56 100
69 35.4 27.4 41.0
84 92.1 71.1 106.7

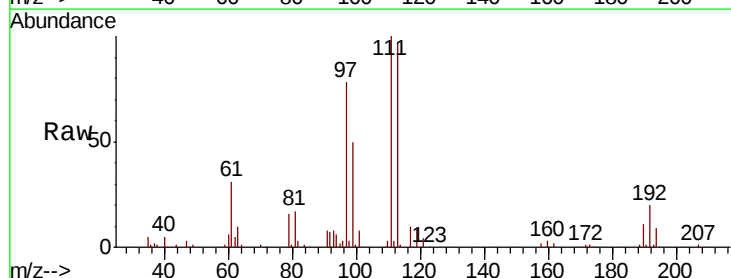


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

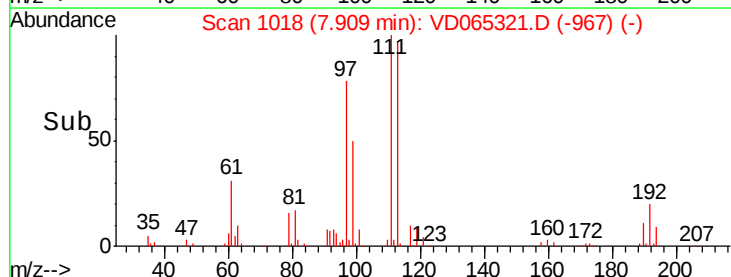
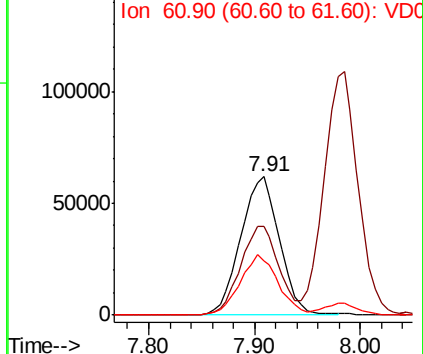


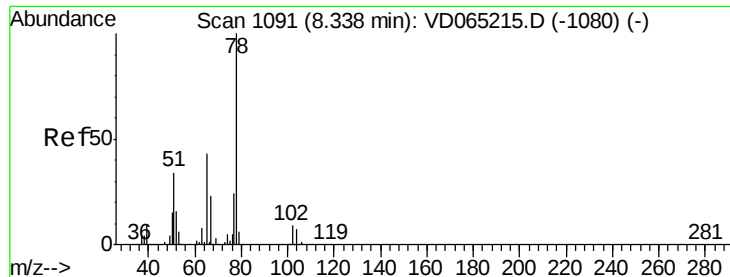
#32
1,1,1-Trichloroethane
Concen: 20.653 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion: 97 Resp: 157875
Ion Ratio Lower Upper
97 100
99 63.1 51.4 77.2
61 42.7 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

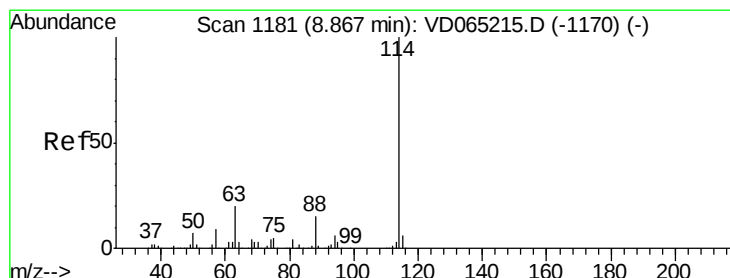
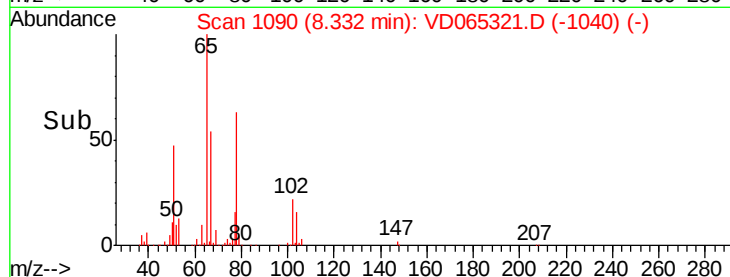
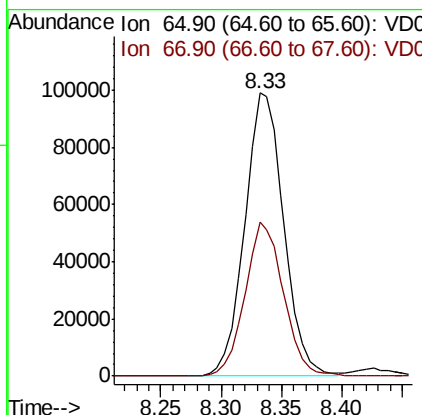
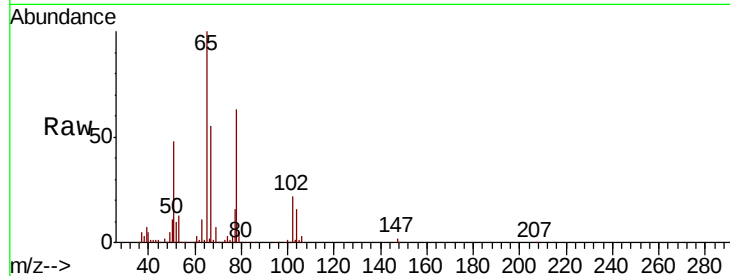




#33
 1,2-Dichloroethane-d4
 Concen: 52.501 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

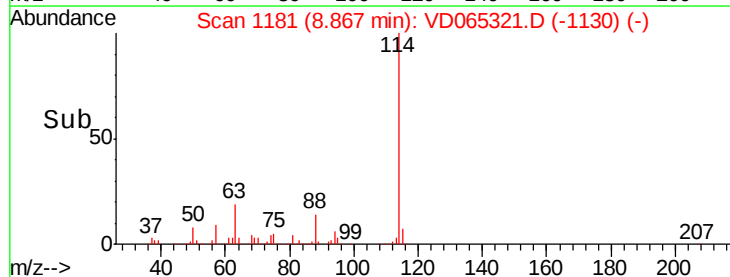
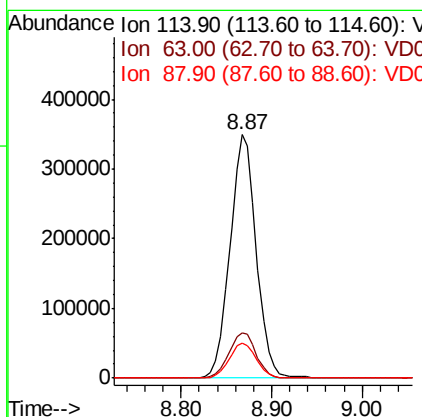
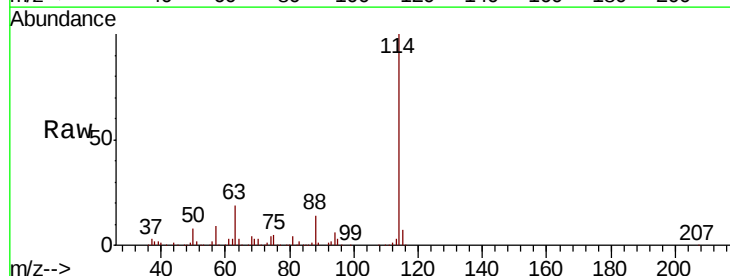
Instrument :
 MSVOA_D
 ClientSampled :

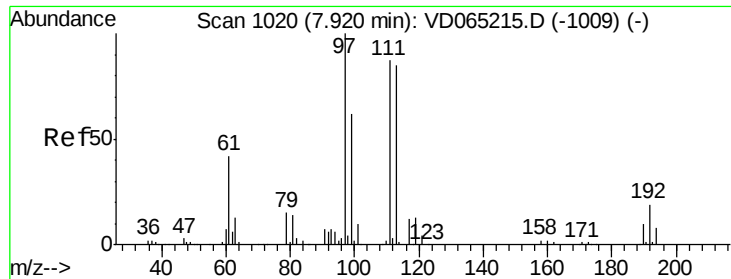
Tot Ion: 65 Resp: 222485
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Tgt Ion: 114 Resp: 700559
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.4
 88 14.4 0.0 30.4

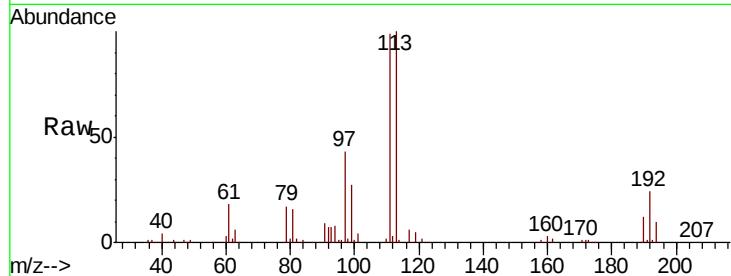




#35
 Dibromofluoromethane
 Concen: 54.377 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.9	124.3
192	21.6	17.3	25.9

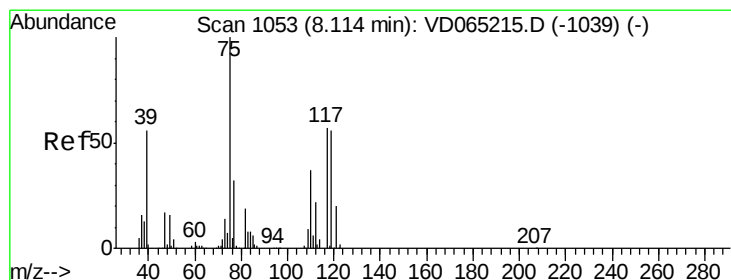
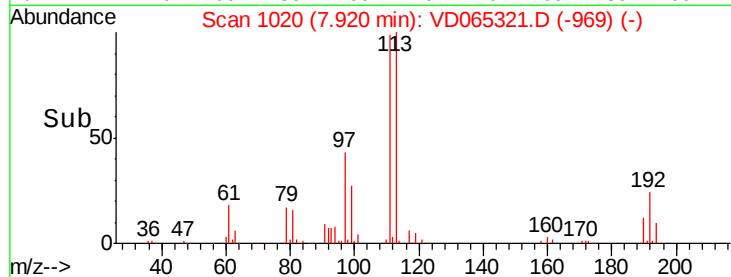
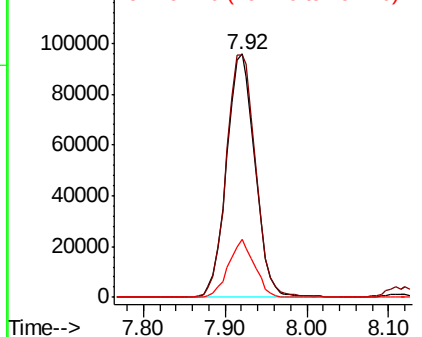


Abundance

Ion 112.80 (112.50 to 113.50): V

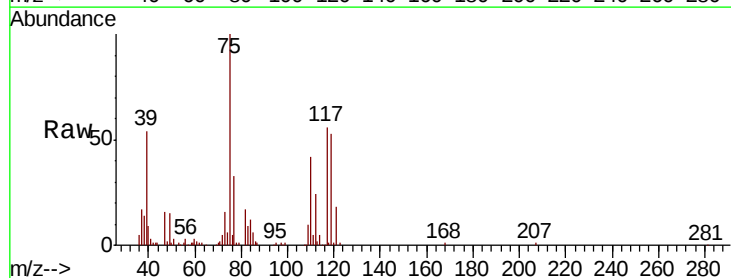
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 20.439 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.1	17.9	53.7
77	31.9	25.1	37.7

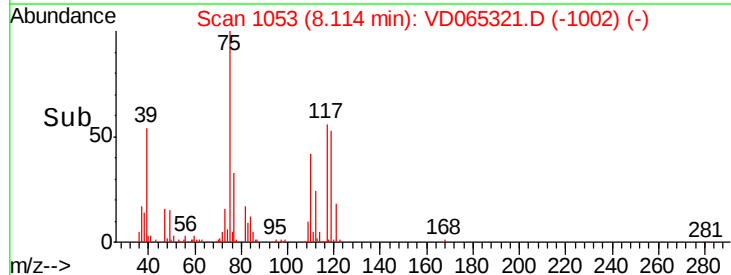
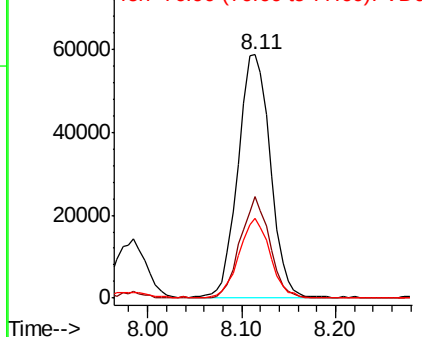


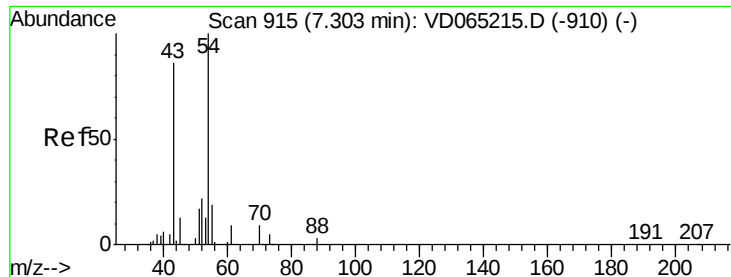
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

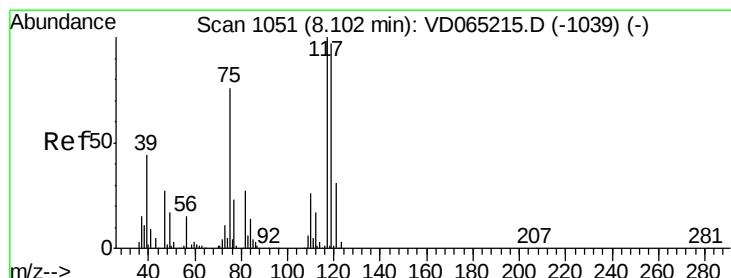
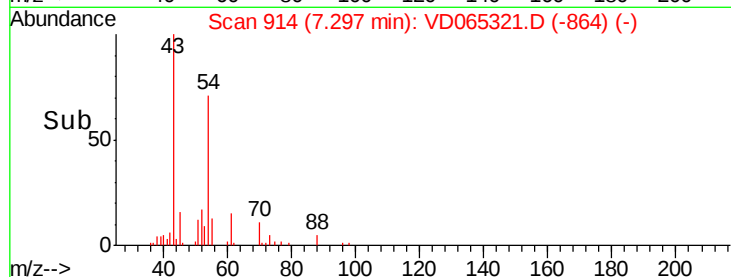
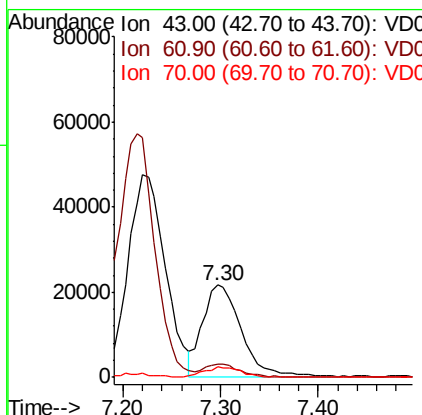
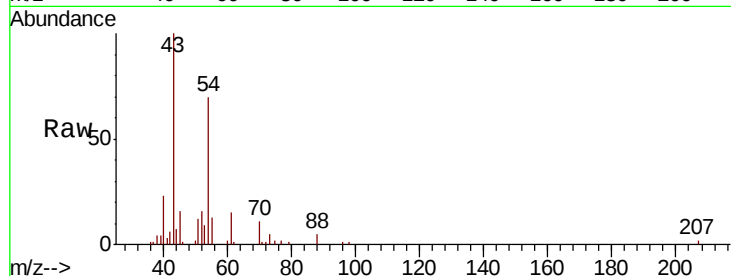




#37
Ethyl Acetate
Concen: 21.126 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

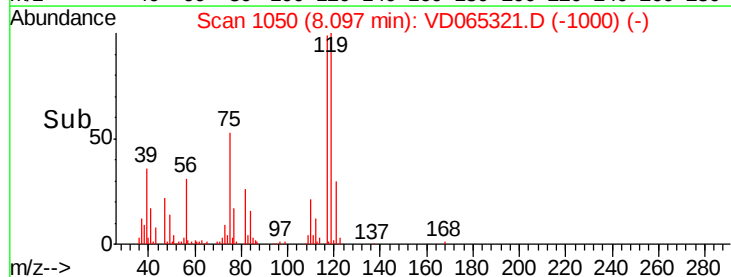
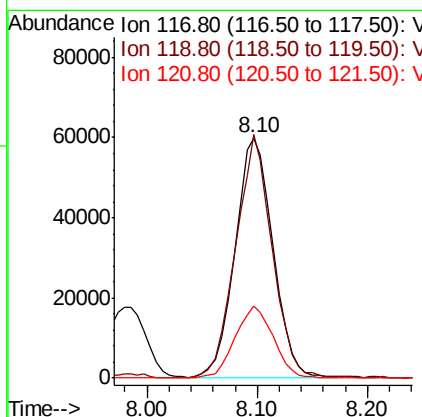
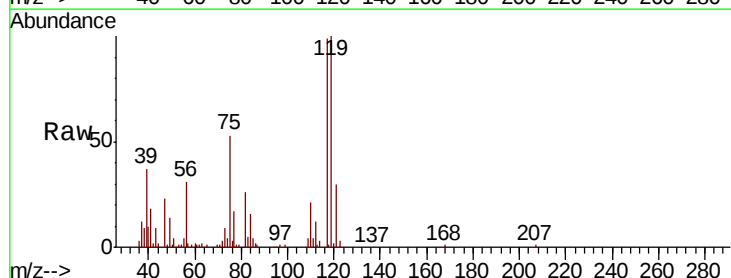
Instrument :
MSVOA_D
ClientSampleId :

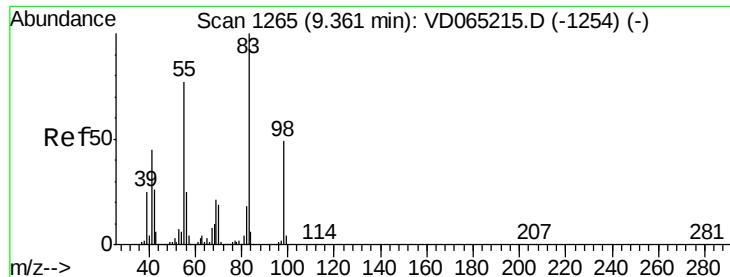
Tot Ion: 43 Resp: 60201
Ion Ratio Lower Upper
43 100
61 13.6 11.2 16.8
70 10.4 8.2 12.2



#38
Carbon Tetrachloride
Concen: 20.664 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion: 117 Resp: 143386
Ion Ratio Lower Upper
117 100
119 101.6 77.6 116.4
121 30.3 24.8 37.2

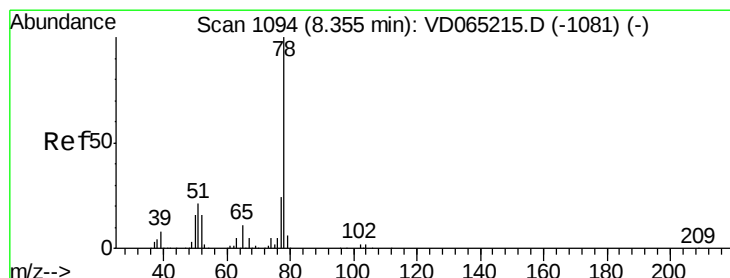
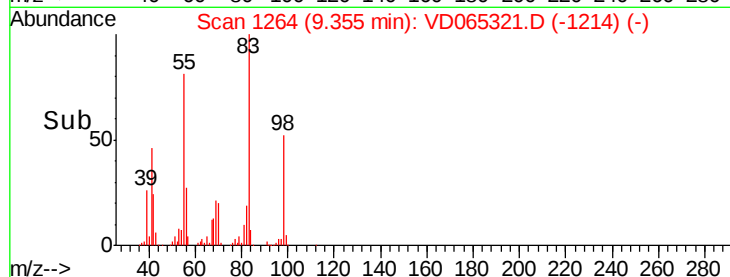
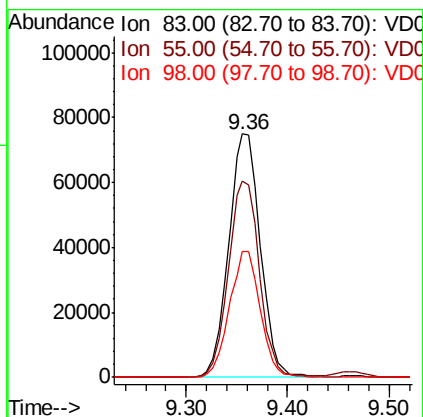
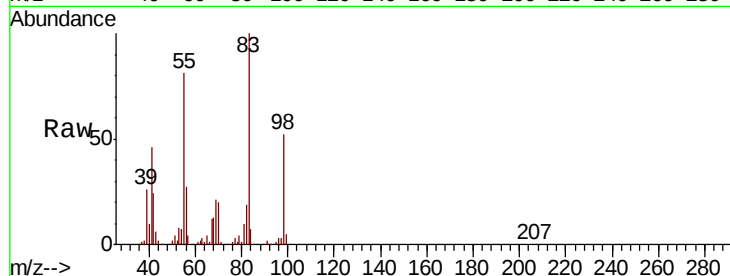




#39
Methvlcvclohexane
Concen: 20.269 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

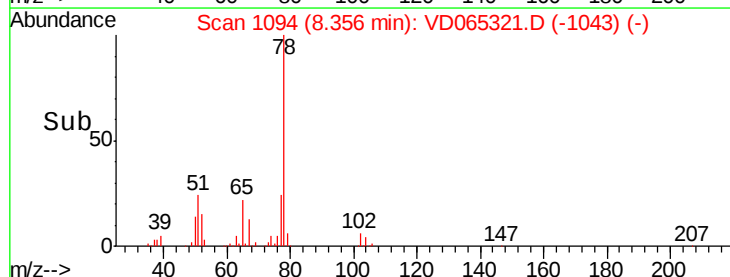
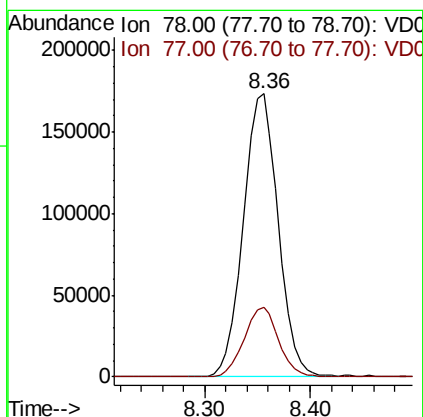
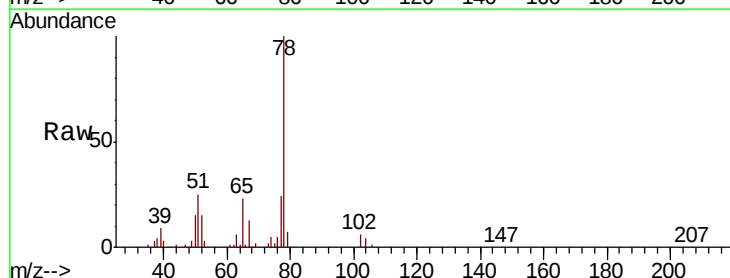
Instrument :
MSVOA_D
ClientSampleId :

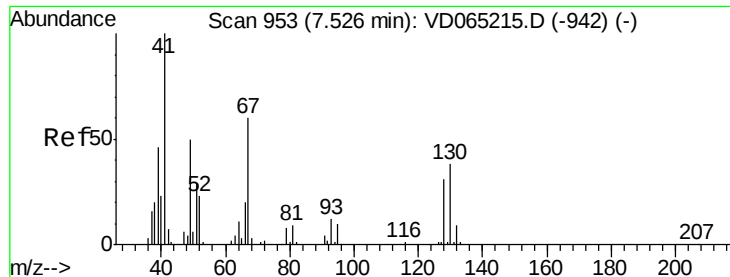
Tot Ion	Ratio	Lower	Upper
83	100		
55	80.7	61.8	92.6
98	51.8	39.4	59.0



#40
Benzene
Concen: 20.713 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.6

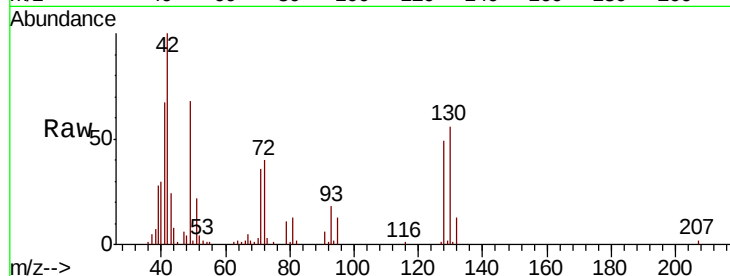




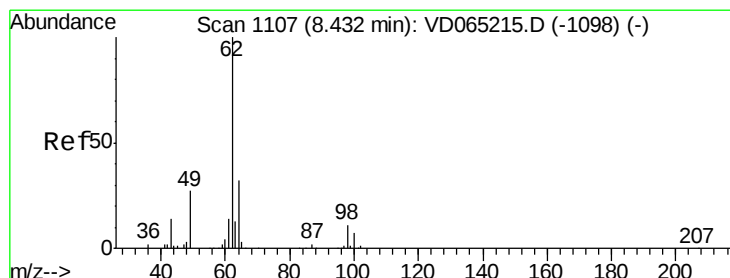
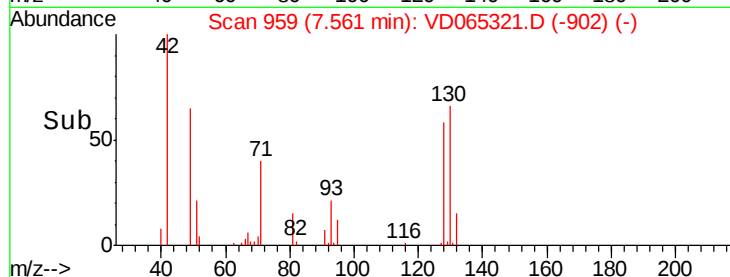
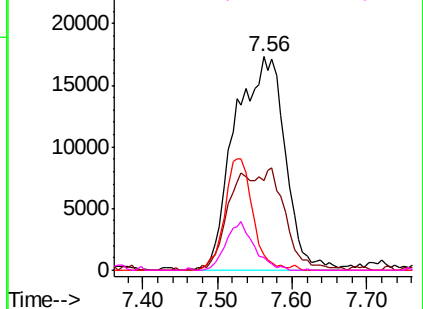
#41
Methacrylonitrile
Concen: 49.147 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.04 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 80864
Ion Ratio Lower Upper
41 100
39 0.0 48.1 72.1#
67 0.0 58.9 88.3#
52 0.0 24.2 36.2#

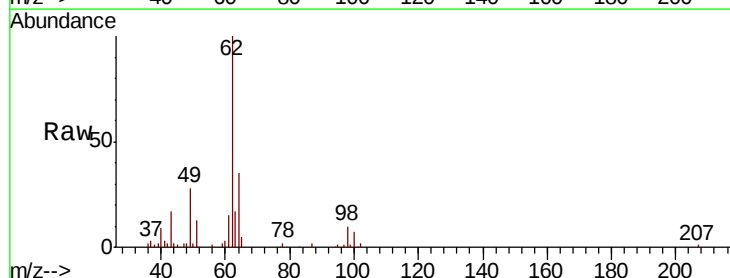


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

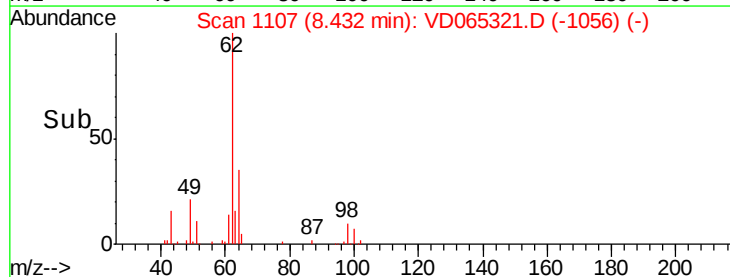
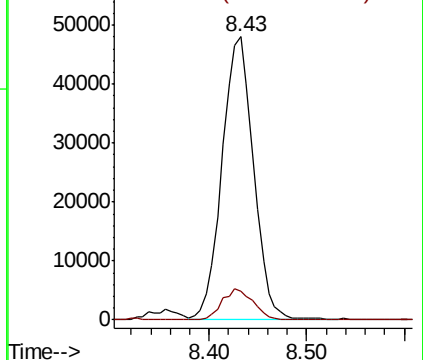


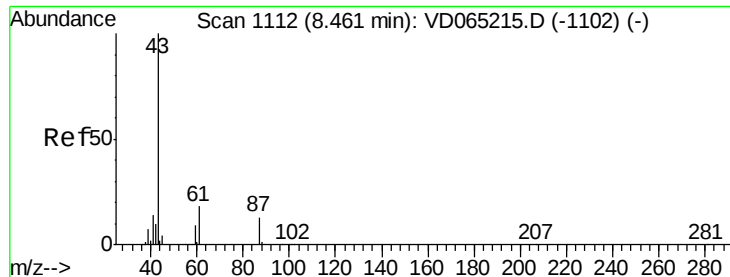
#42
1,2-Dichloroethane
Concen: 20.404 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion: 62 Resp: 107927
Ion Ratio Lower Upper
62 100
98 10.7 0.0 20.6



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





#43

Isopropyl Acetate

Concen: 20.926 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

ClientSampleId :

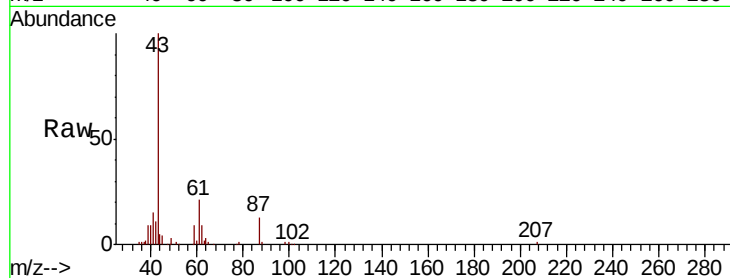
Tot Ion: 43 Resp: 108438

Ion Ratio Lower Upper

43 100

61 30.8 24.6 36.8

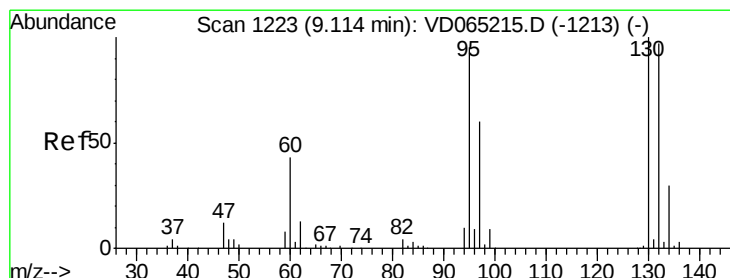
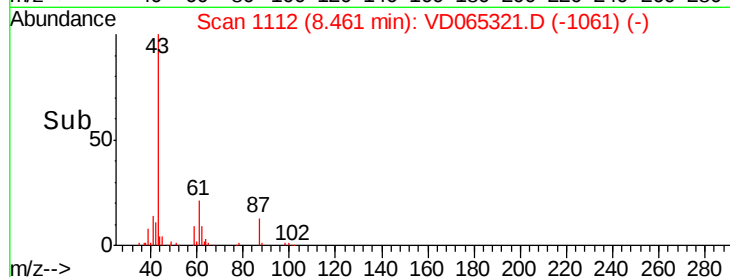
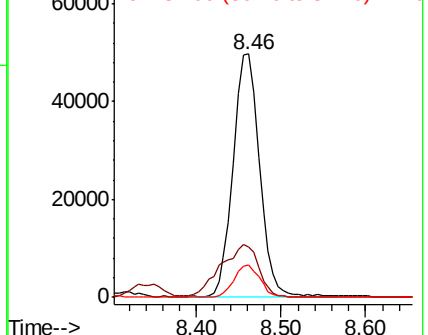
87 12.9 10.6 16.0



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: 21.341 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065321.D

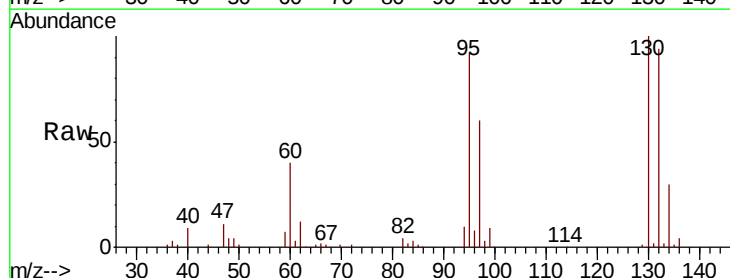
Acq: 26 Feb 2020 11:57

Tgt Ion:130 Resp: 113816

Ion Ratio Lower Upper

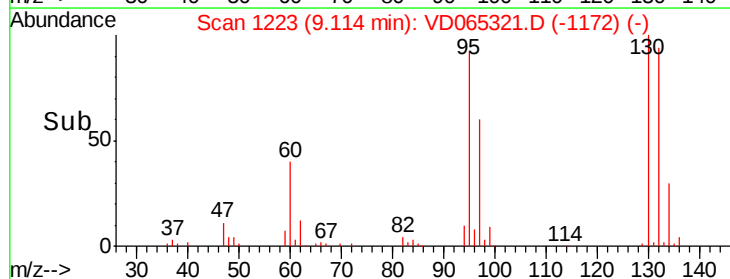
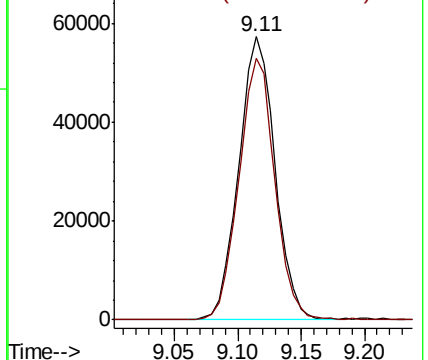
130 100

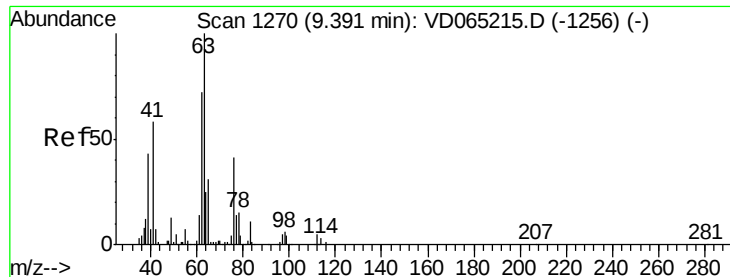
95 92.4 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.790 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

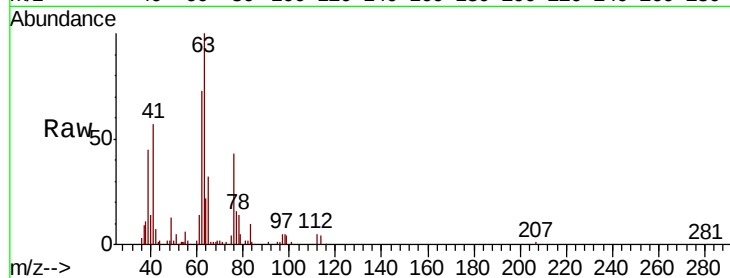
ClientSampled :

Tot Ion: 63 Resp: 99466

Ion Ratio Lower Upper

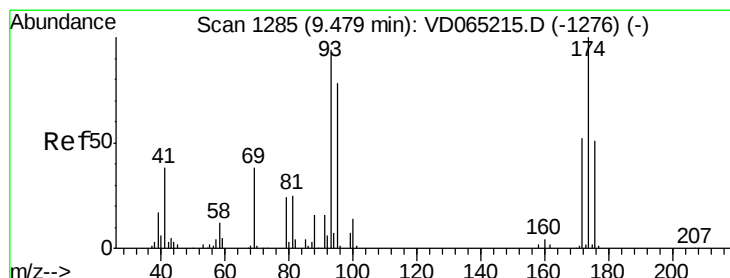
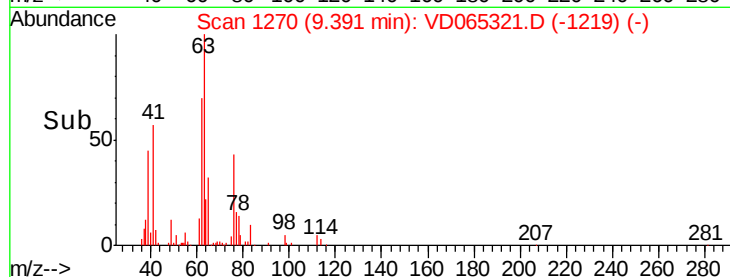
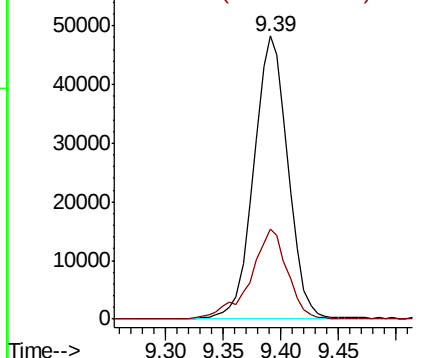
63 100

65 31.9 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.112 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

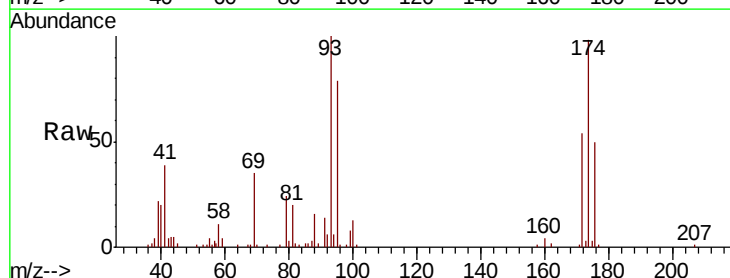
Tgt Ion: 93 Resp: 51969

Ion Ratio Lower Upper

93 100

95 83.5 65.8 98.6

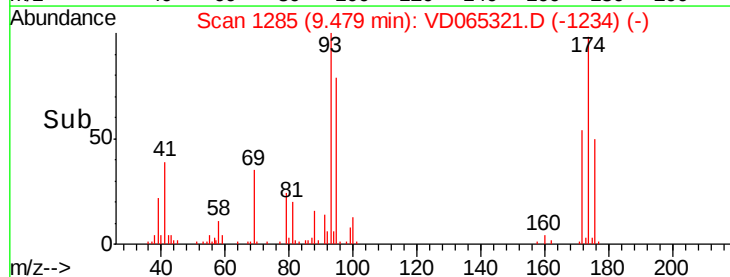
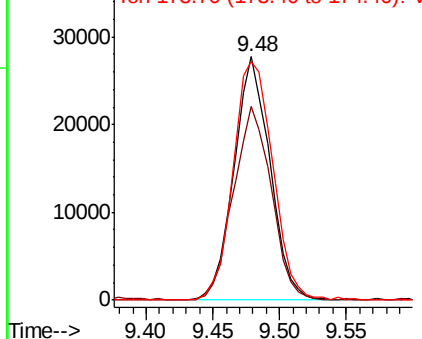
174 108.0 86.8 130.2

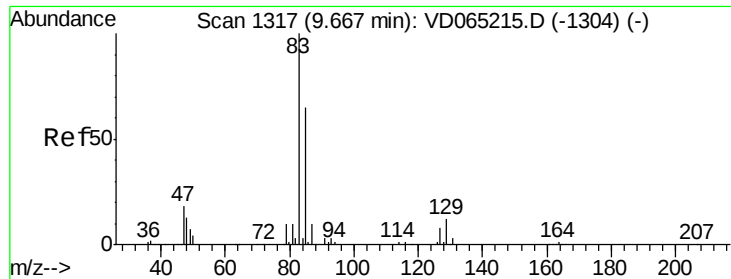


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 21.077 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

ClientSampleId :

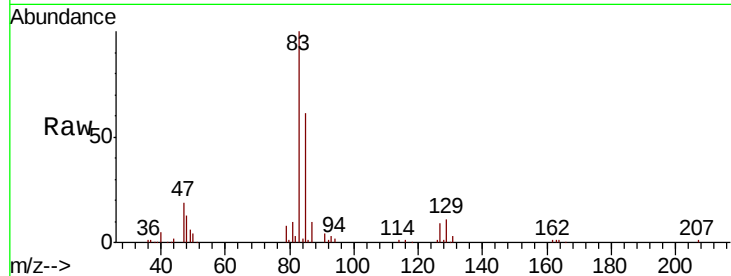
Tot Ion: 83 Resp: 136728

Ion Ratio Lower Upper

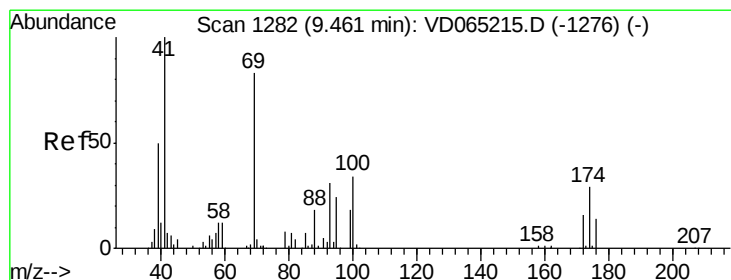
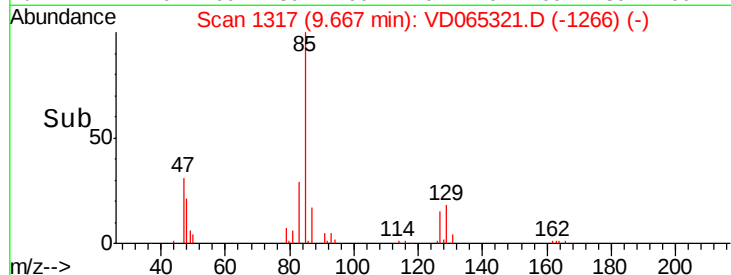
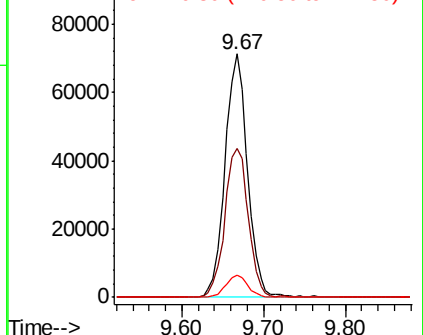
83 100

85 61.1 52.0 78.0

127 9.0 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: 20.273 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

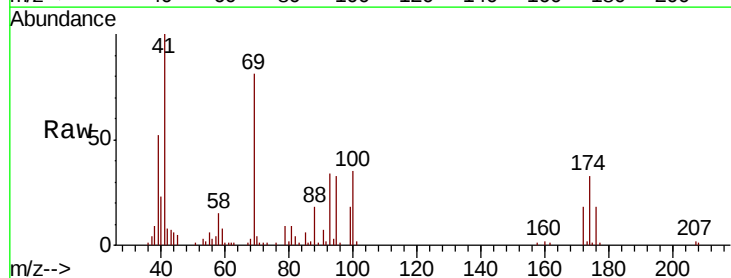
Tgt Ion: 41 Resp: 48559

Ion Ratio Lower Upper

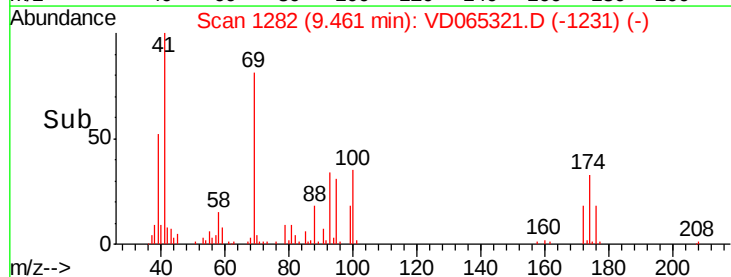
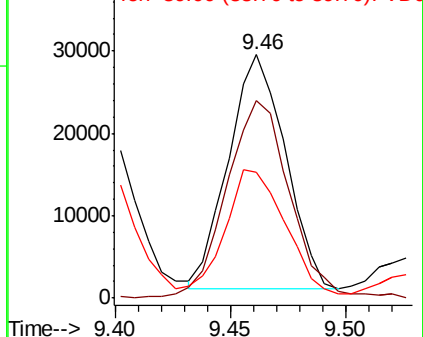
41 100

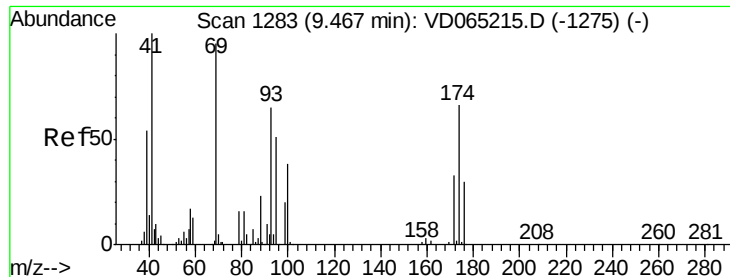
69 94.2 68.2 102.2

39 55.4 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

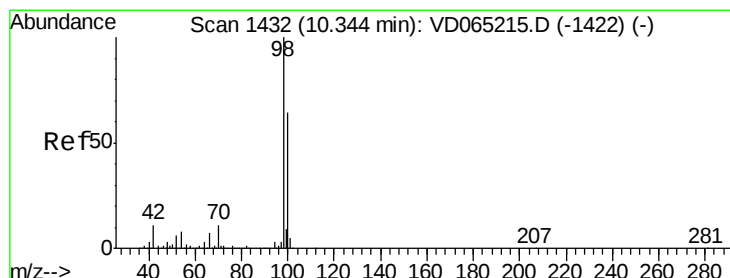
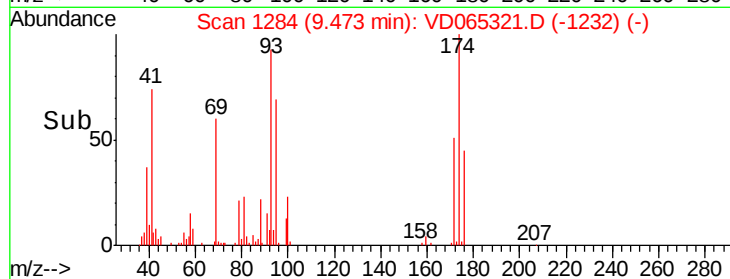
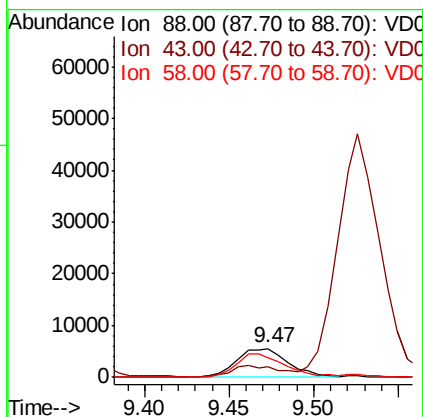
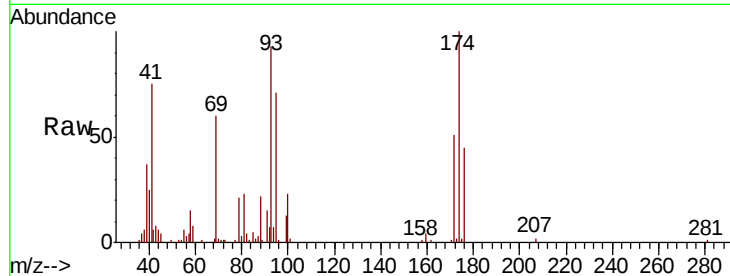




#49
1,4-Dioxane
Concen: 407.854 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

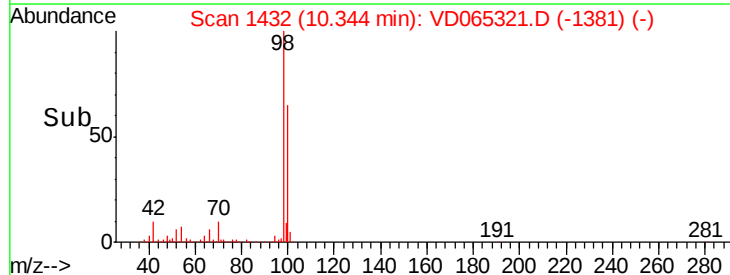
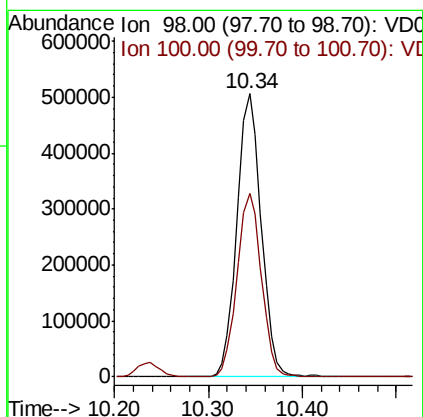
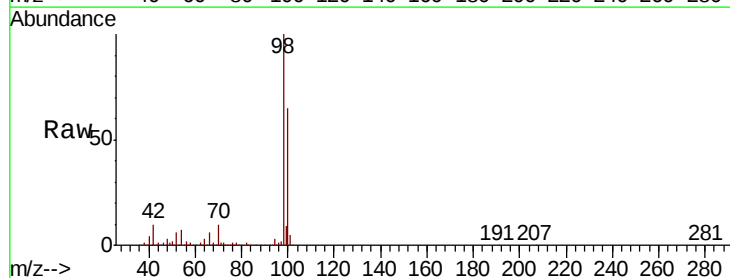
Instrument :
MSVOA_D
ClientSampleId :

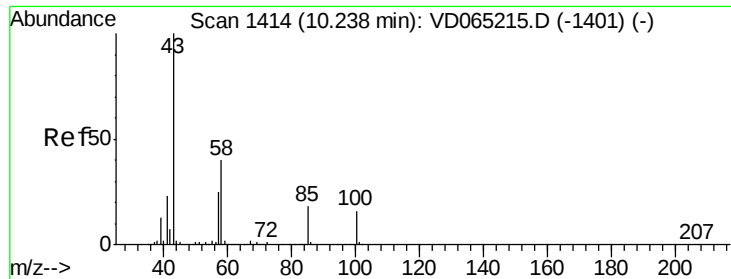
Tot Ion: 88 Resp: 11775
Ion Ratio Lower Upper
88 100
43 40.5 28.5 42.7
58 78.6 58.6 87.8



#50
Toluene-d8
Concen: 55.778 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion: 98 Resp: 910846
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0

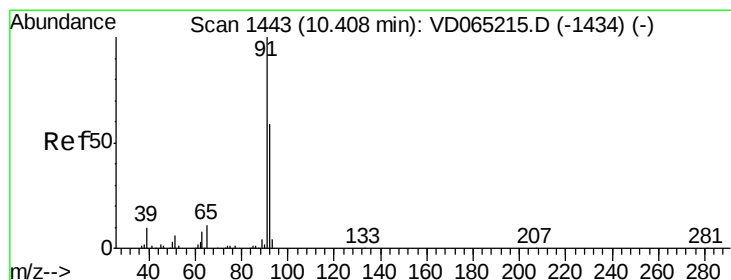
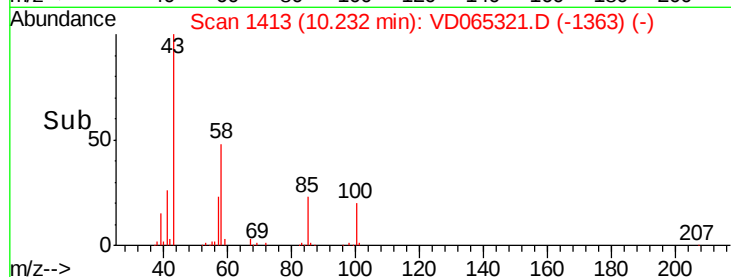
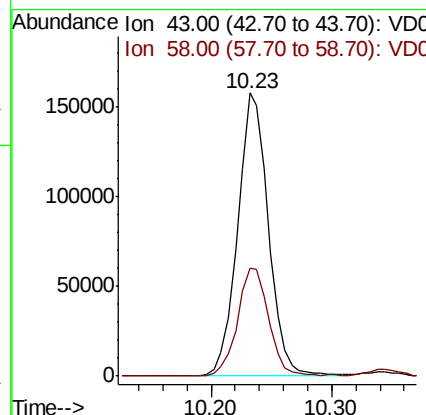
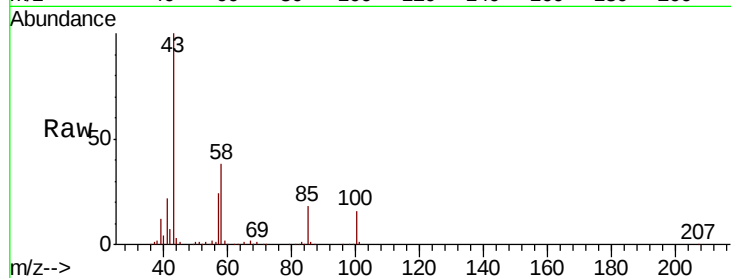




#51
4-Methyl-2-Pentanone
Concen: 106.574 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

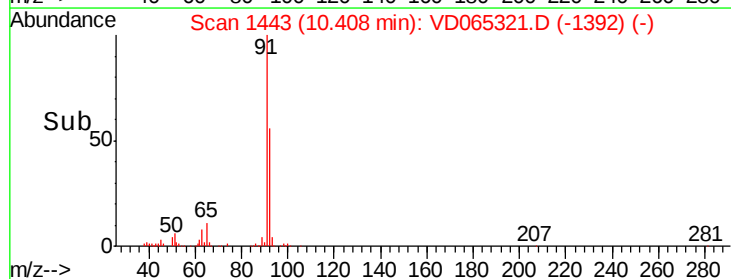
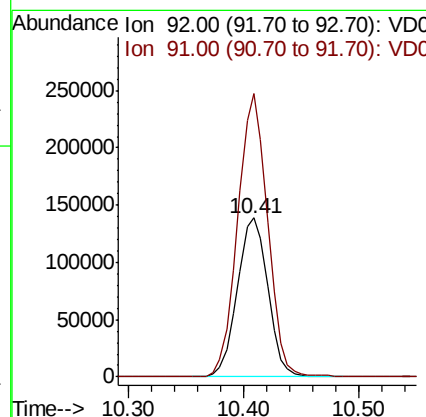
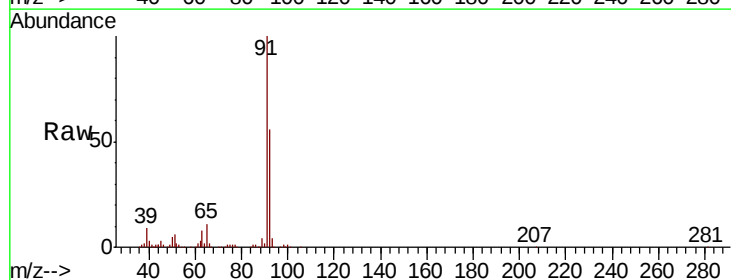
Instrument :
MSVOA_D
ClientSampled :

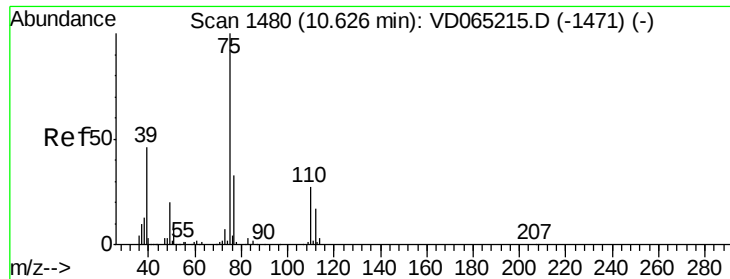
Tot Ion: 43 Resp: 280499
Ion Ratio Lower Upper
43 100
58 38.6 31.1 46.7



#52
Toluene
Concen: 21.449 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion: 92 Resp: 255436
Ion Ratio Lower Upper
92 100
91 173.9 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 21.013 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

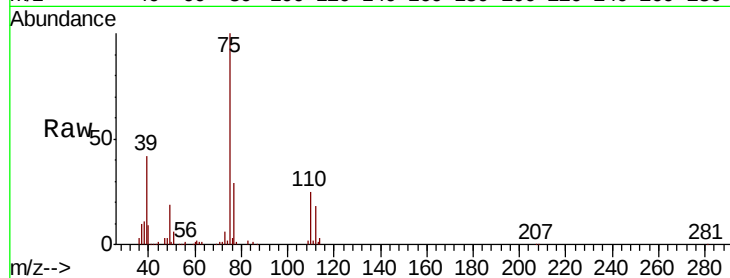
ClientSampleId :

Tot Ion: 75 Resp: 126348

Ion Ratio Lower Upper

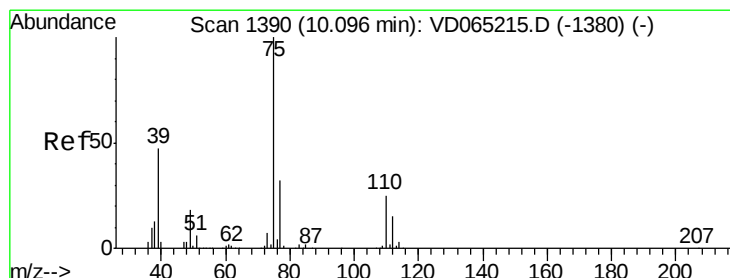
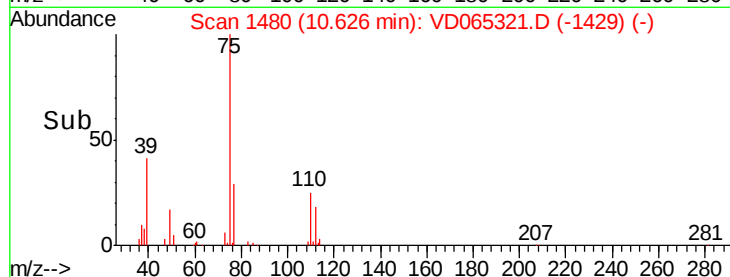
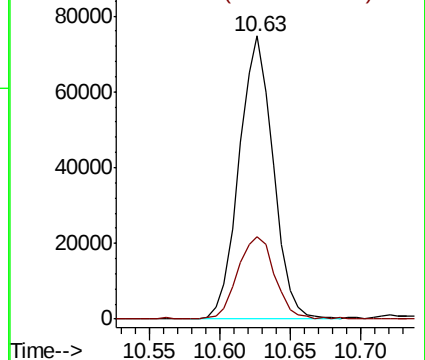
75 100

77 29.3 26.6 40.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.864 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

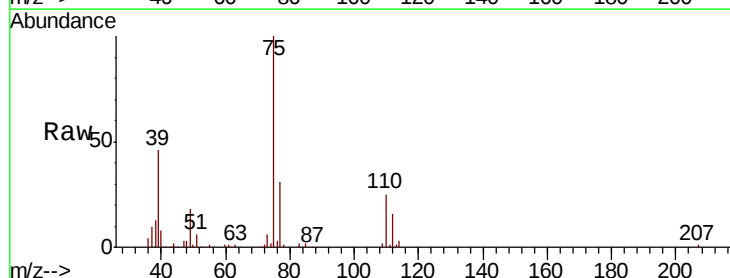
Tgt Ion: 75 Resp: 151490

Ion Ratio Lower Upper

75 100

77 31.4 25.8 38.8

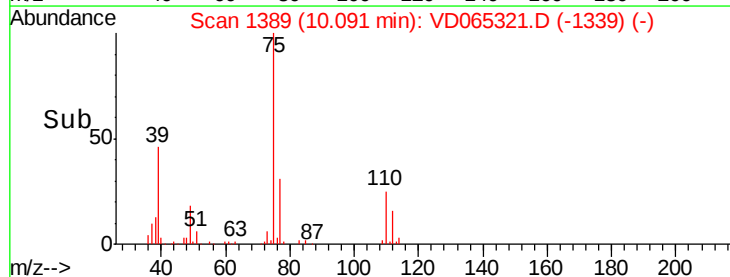
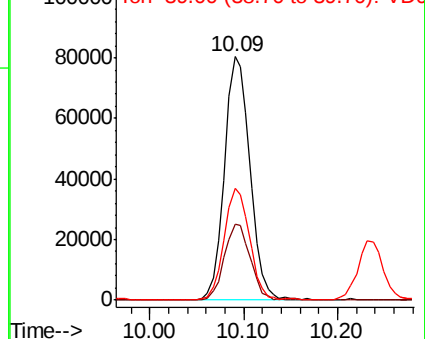
39 45.8 37.3 55.9

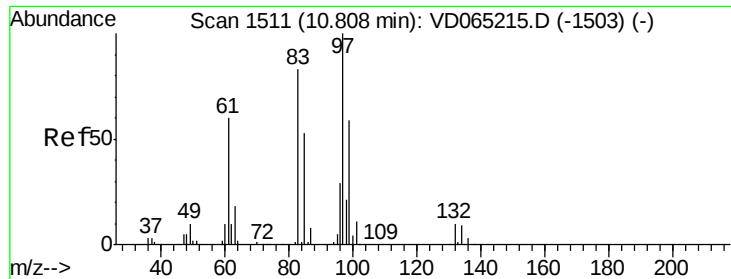


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC



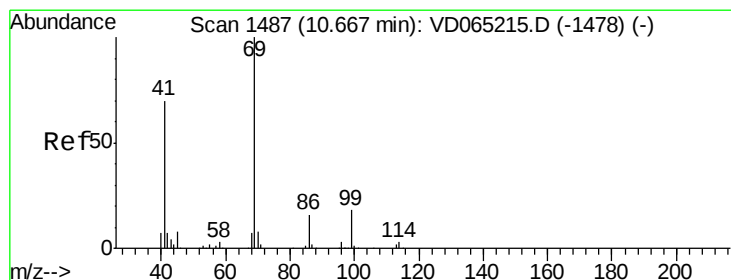
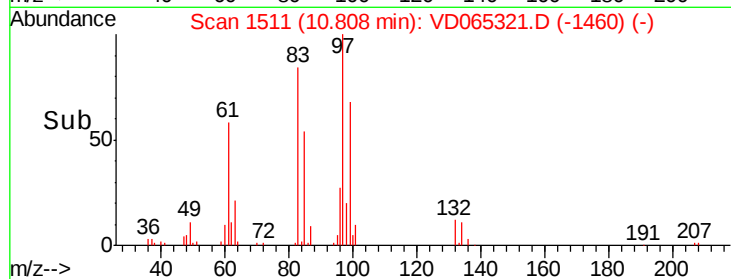
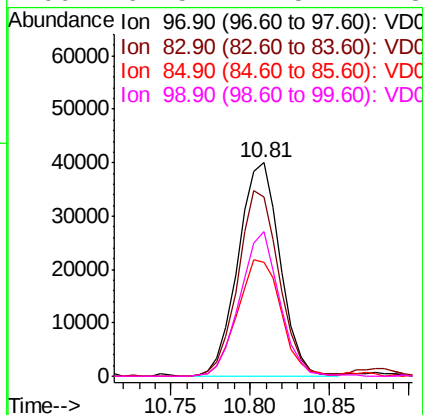
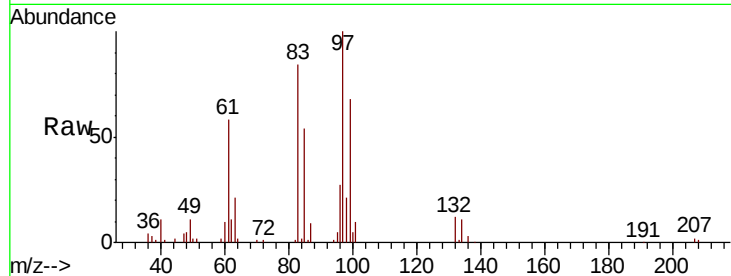


#55
 1,1,2-Trichloroethane
 Concen: 21.181 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 73385

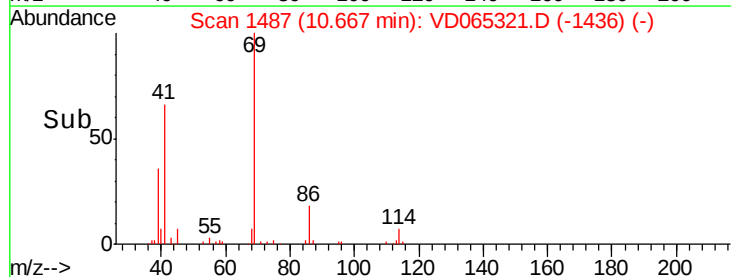
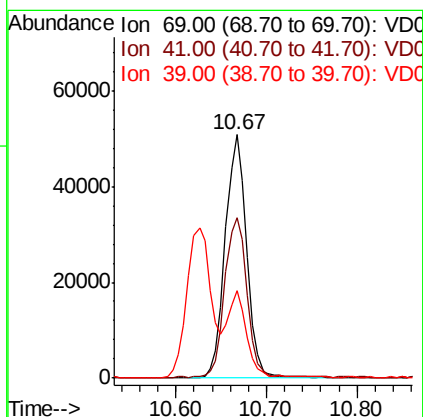
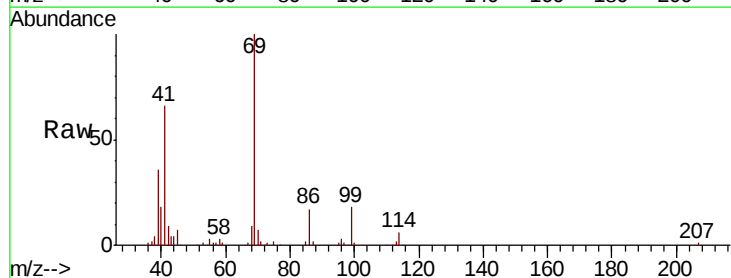
Ion	Ratio	Lower	Upper
97	100		
83	83.6	66.7	100.1
85	53.6	42.4	63.6
99	67.5	47.5	71.3

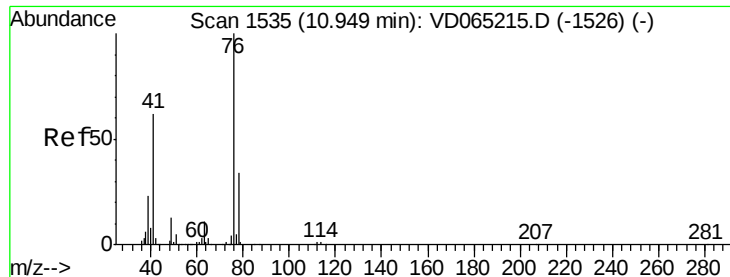


#56
 Ethyl methacrylate
 Concen: 20.961 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Tgt Ion: 69 Resp: 83825

Ion	Ratio	Lower	Upper
69	100		
41	67.6	54.6	81.8
39	31.1	26.5	39.7





#57

1,3-Dichloropropane

Concen: 21.459 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

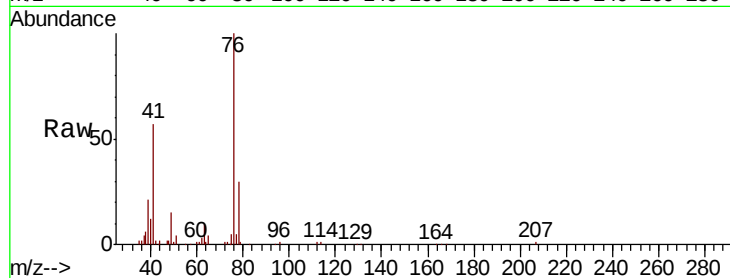
ClientSampleId :

Tot Ion: 76 Resp: 126540

Ion Ratio Lower Upper

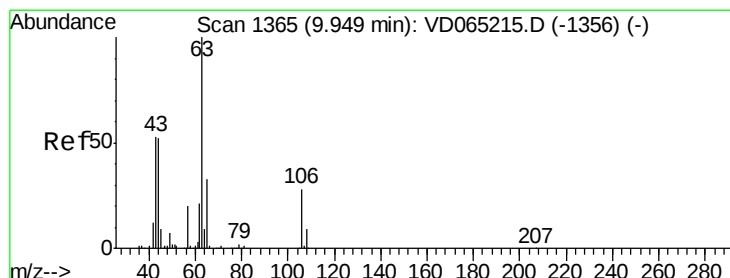
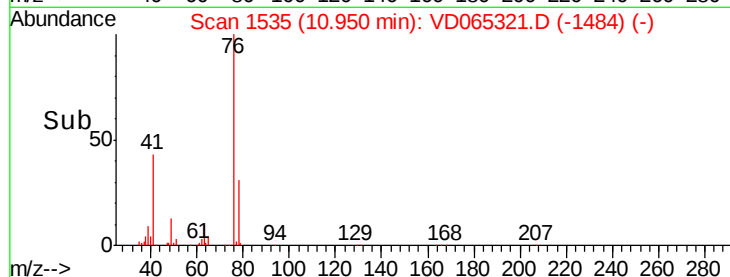
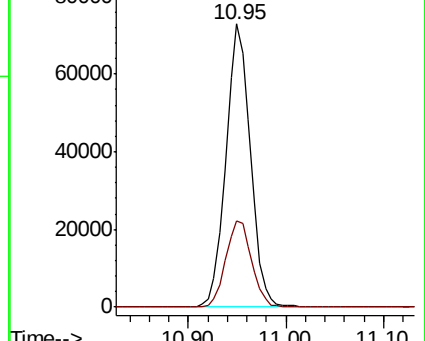
76 100

78 32.1 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: 102.519 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065321.D

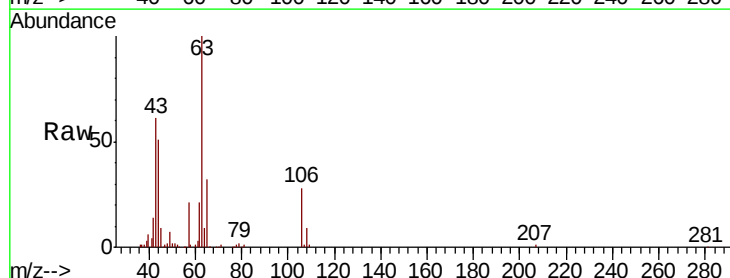
Acq: 26 Feb 2020 11:57

Tgt Ion: 63 Resp: 129253

Ion Ratio Lower Upper

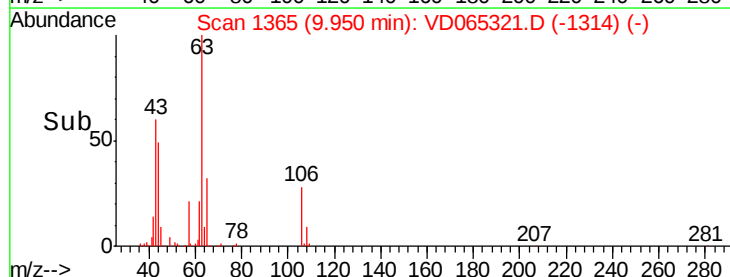
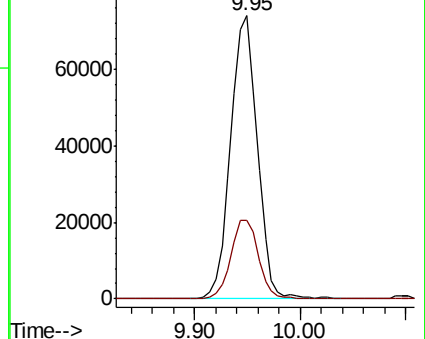
63 100

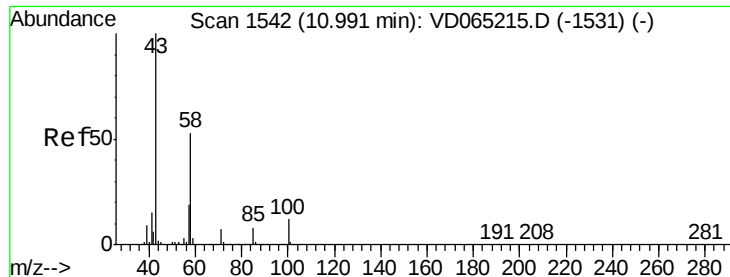
106 28.6 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

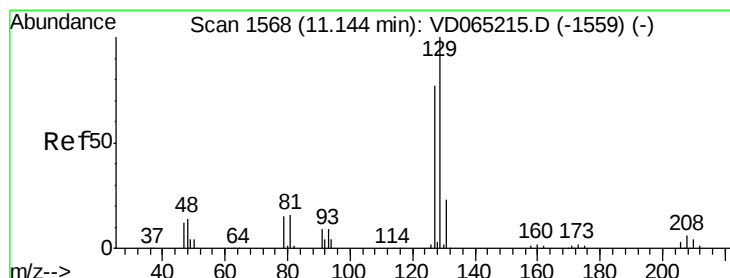
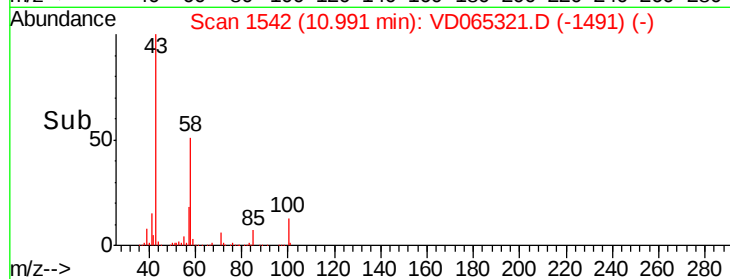
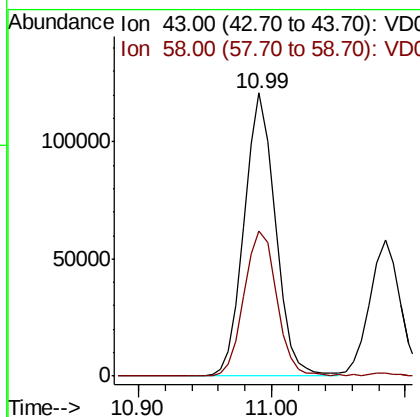
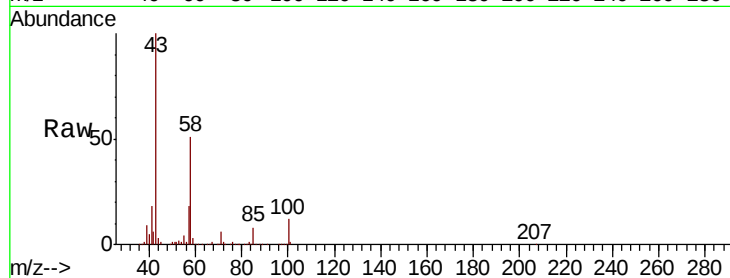




#59
2-Hexanone
Concen: 104.110 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

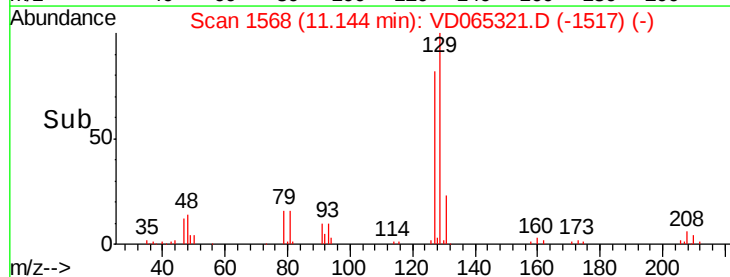
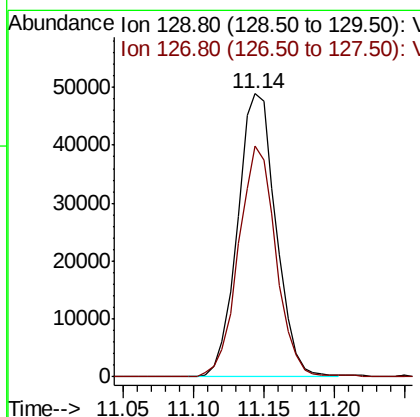
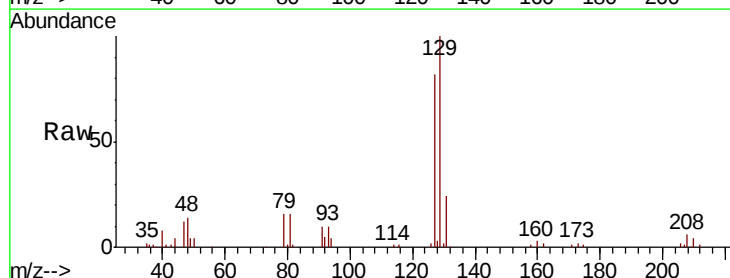
Instrument :
MSVOA_D
ClientSampled :

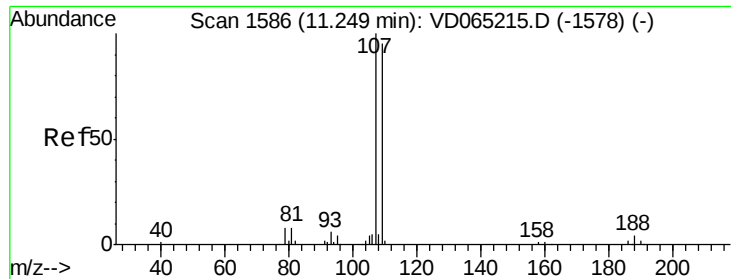
Tot Ion: 43 Resp: 196149
Ion Ratio Lower Upper
43 100
58 53.4 26.3 78.8



#60
Dibromochloromethane
Concen: 20.947 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion:129 Resp: 92892
Ion Ratio Lower Upper
129 100
127 79.8 38.7 116.1

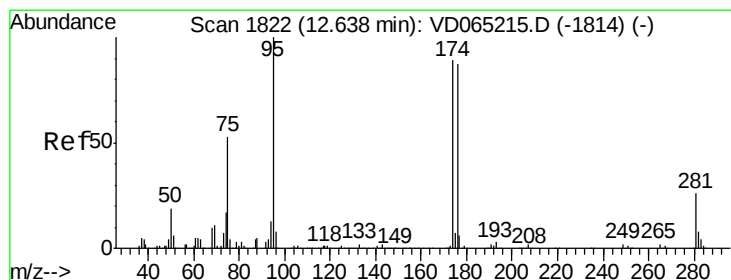
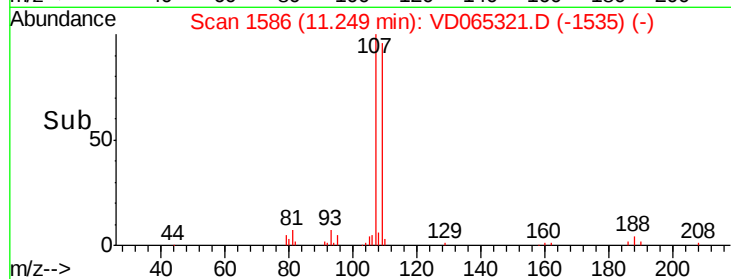
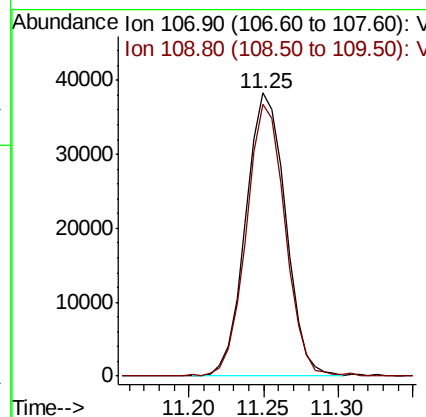
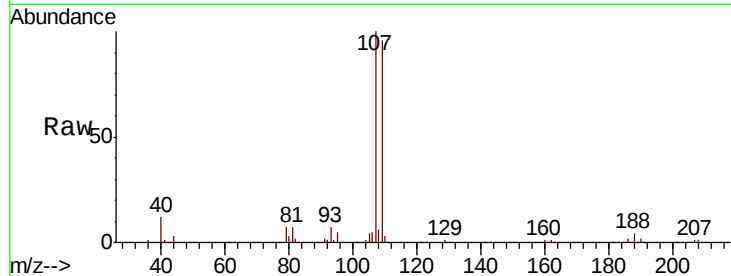




#61
 1,2-Dibromoethane
 Concen: 21.552 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

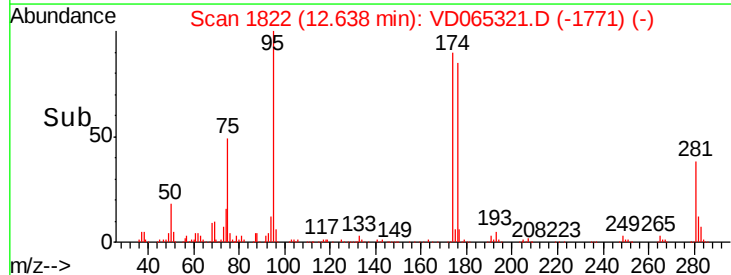
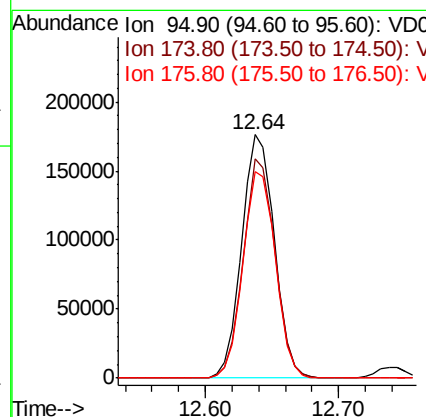
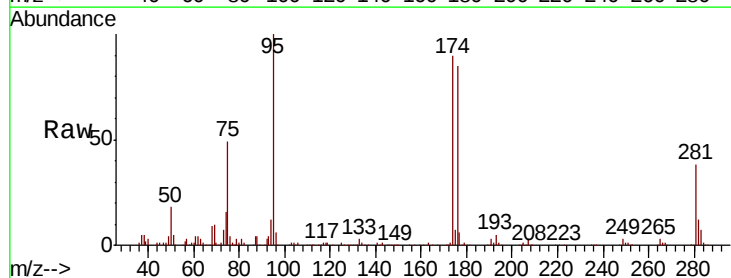
Instrument :
 MSVOA_D
 ClientSampleId :

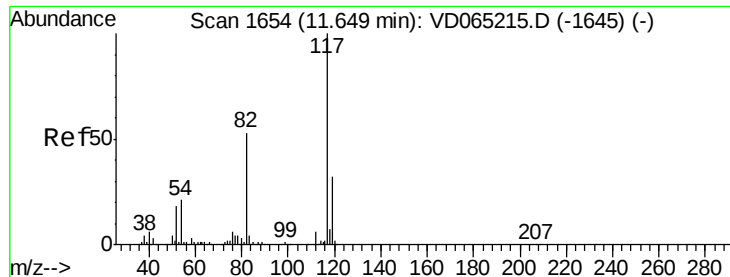
Tot Ion:107 Resp: 70699
 Ion Ratio Lower Upper
 107 100
 109 93.9 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 57.463 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Tgt Ion: 95 Resp: 297264
 Ion Ratio Lower Upper
 95 100
 174 88.2 0.0 178.0
 176 84.9 0.0 174.4

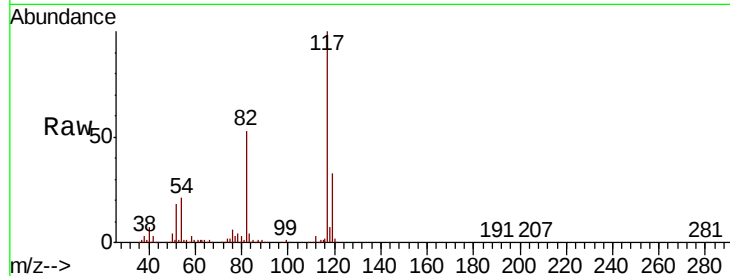




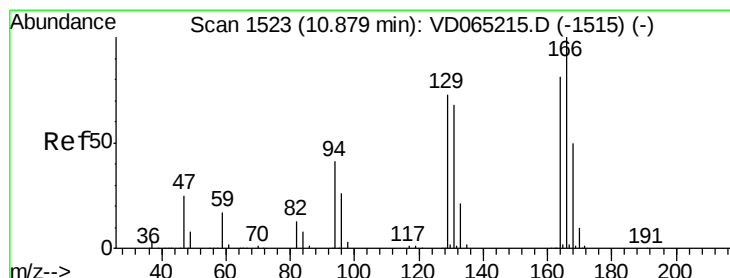
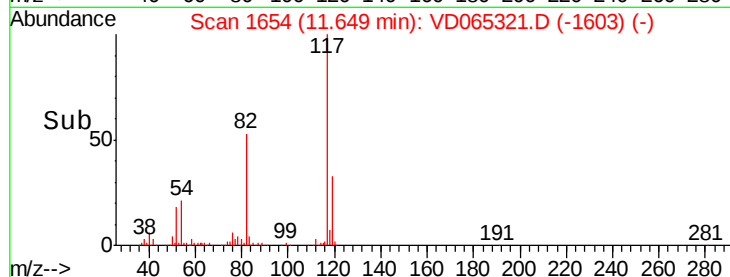
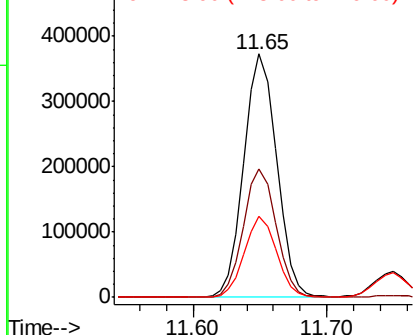
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 637616
Ion Ratio Lower Upper
117 100
82 53.0 42.7 64.1
119 33.1 25.5 38.3

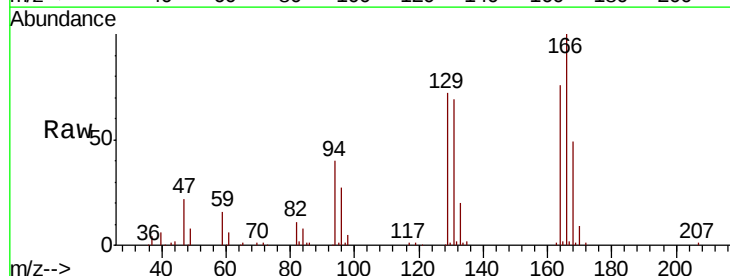


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

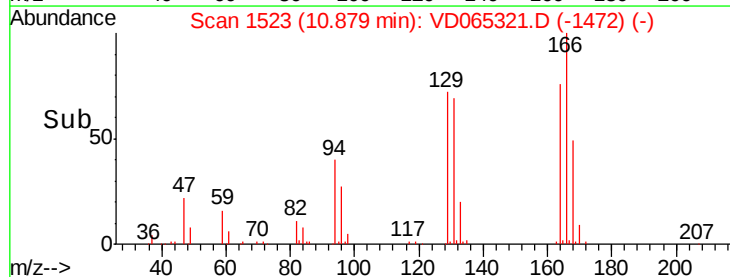
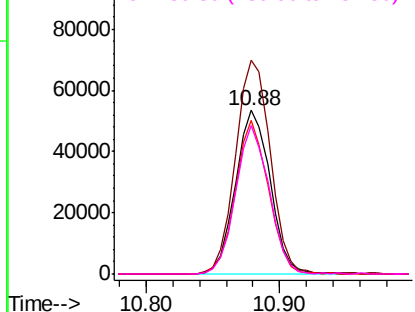


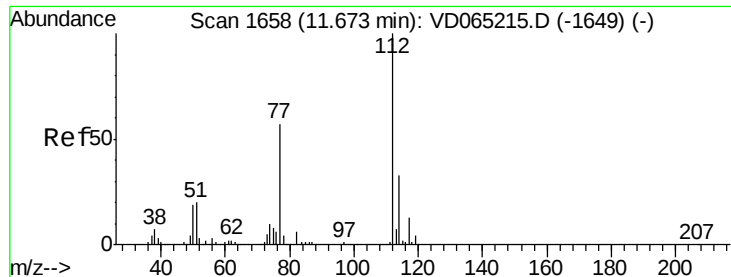
#64
Tetrachloroethene
Concen: 21.316 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion:164 Resp: 96396
Ion Ratio Lower Upper
164 100
166 130.8 98.4 147.6
129 94.4 71.6 107.4
131 90.9 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

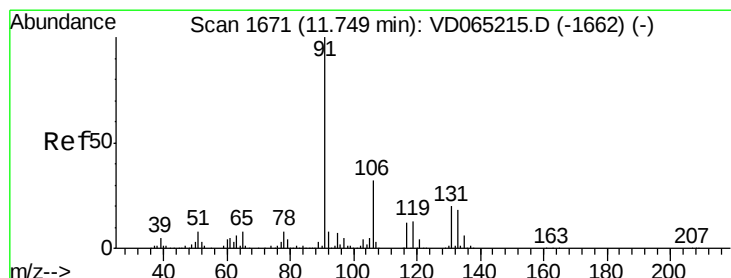
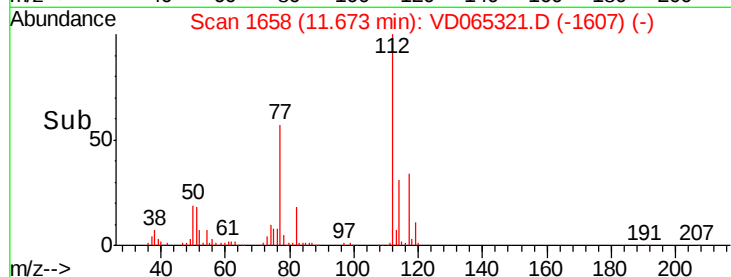
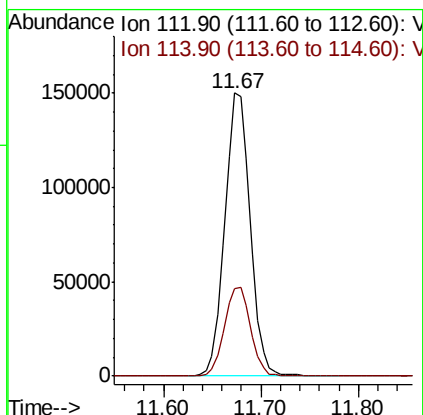
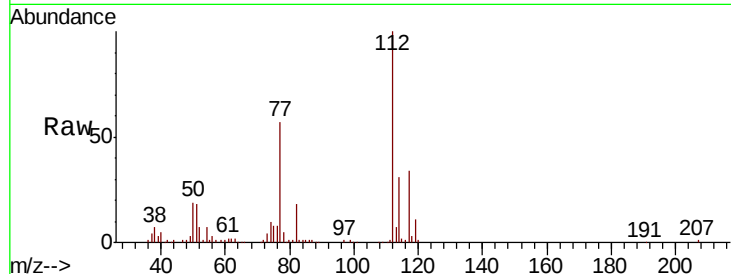




#65
Chlorobenzene
Concen: 21.054 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

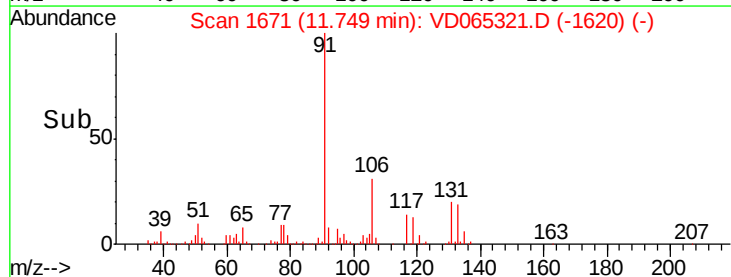
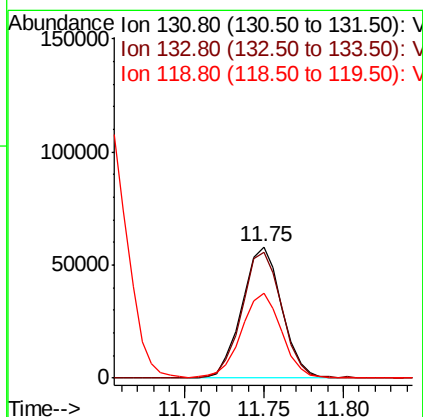
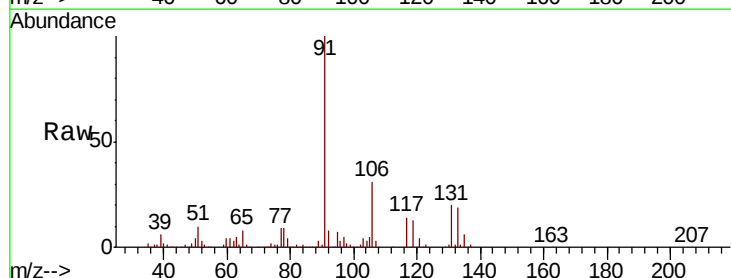
Instrument :
MSVOA_D
ClientSampleId :

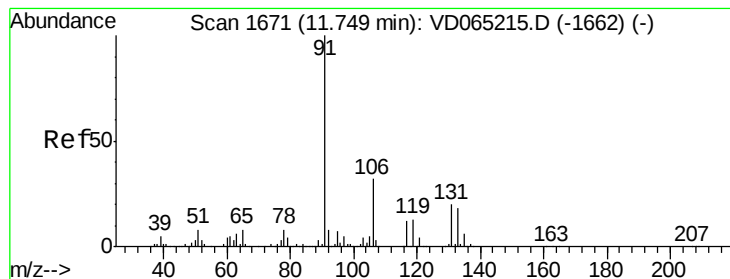
Tot Ion:112 Resp: 269393
Ion Ratio Lower Upper
112 100
114 31.0 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.289 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion:131 Resp: 101654
Ion Ratio Lower Upper
131 100
133 95.9 47.7 143.1
119 64.5 32.7 98.1





#67

Ethyl Benzene

Concen: 20.836 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

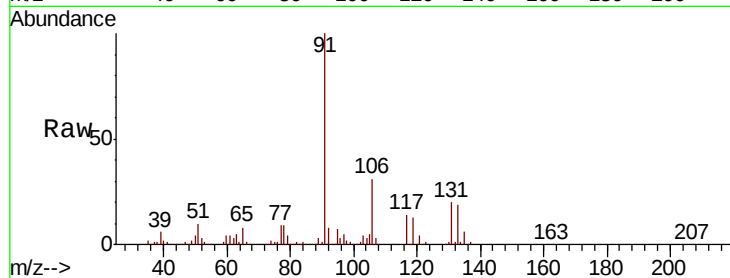
ClientSampleId :

Tot Ion: 91 Resp: 466931

Ion Ratio Lower Upper

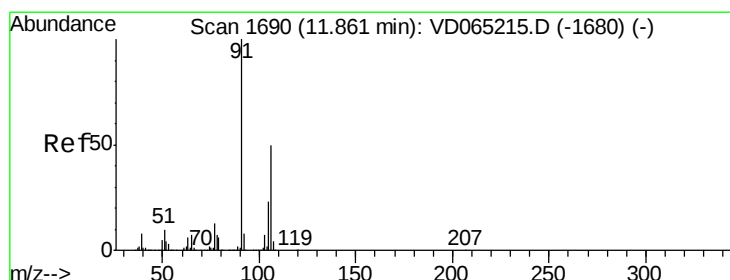
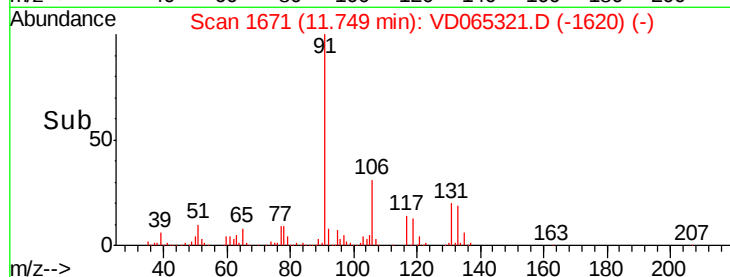
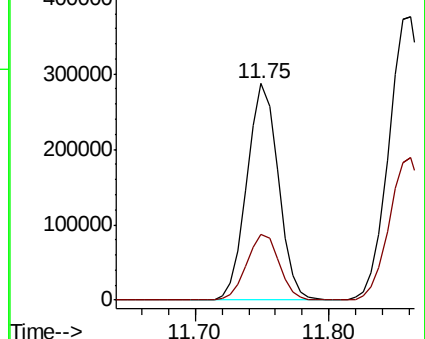
91 100

106 30.6 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: 42.583 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065321.D

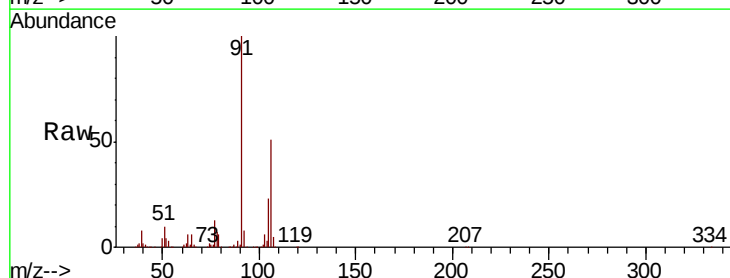
Acq: 26 Feb 2020 11:57

Tgt Ion: 106 Resp: 365097

Ion Ratio Lower Upper

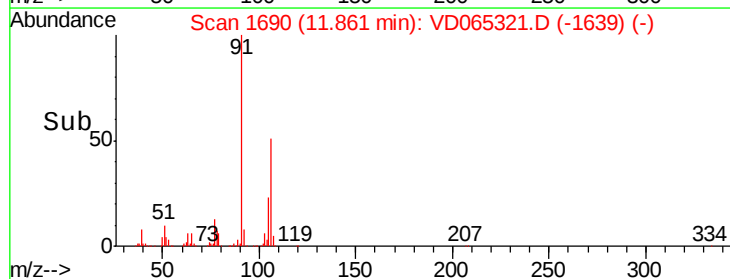
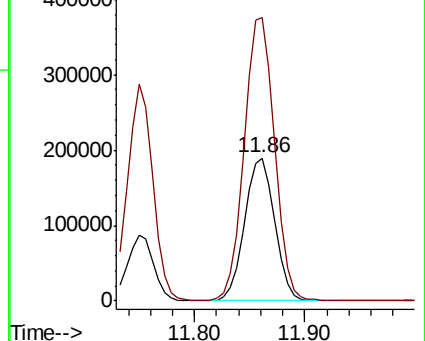
106 100

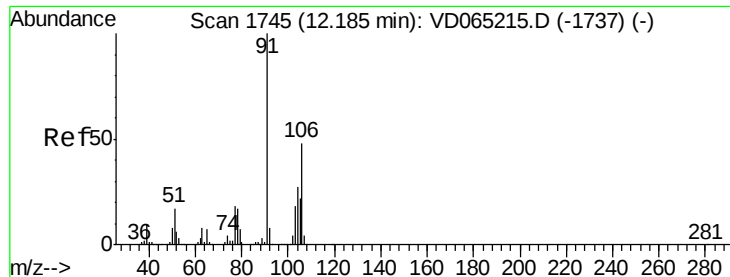
91 199.2 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

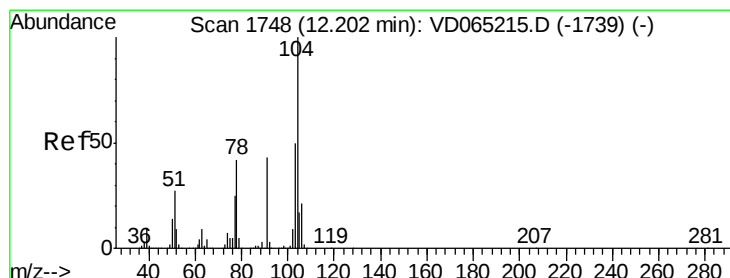
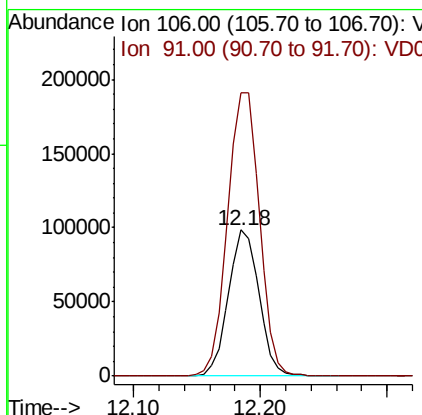
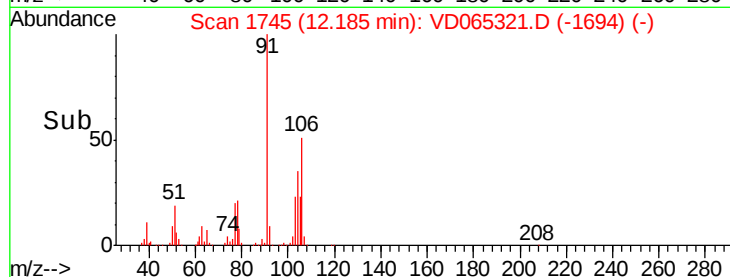
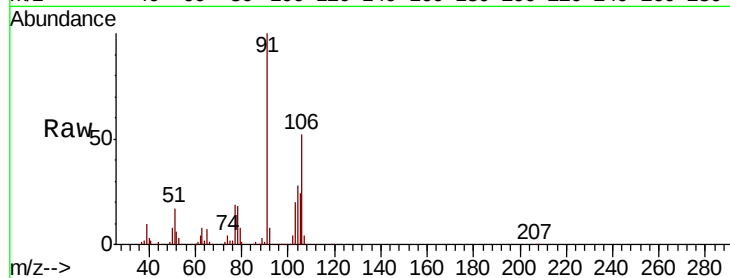




#69
o-Xylene
Concen: 21.625 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

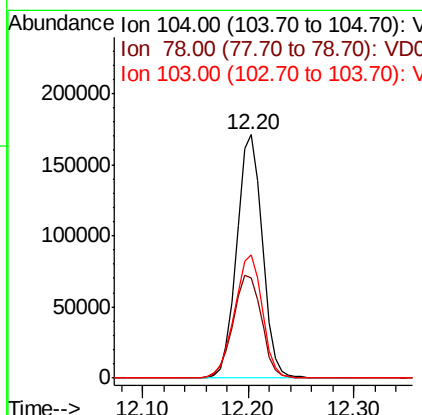
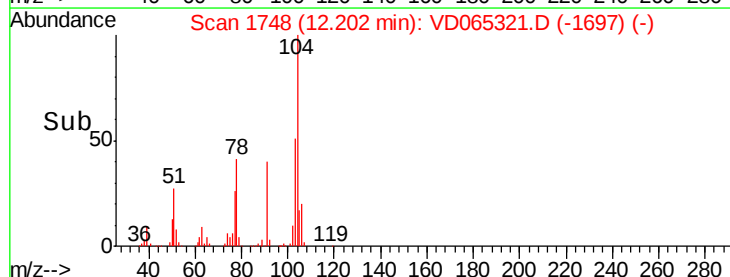
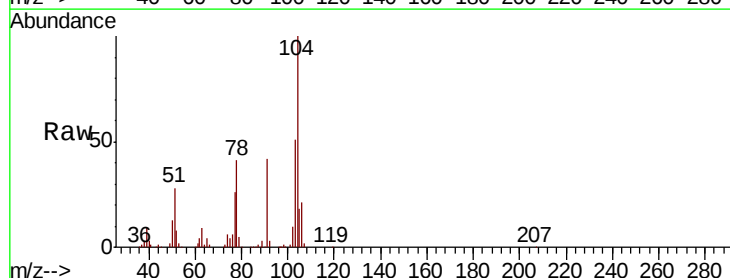
Instrument :
MSVOA_D
ClientSampled :

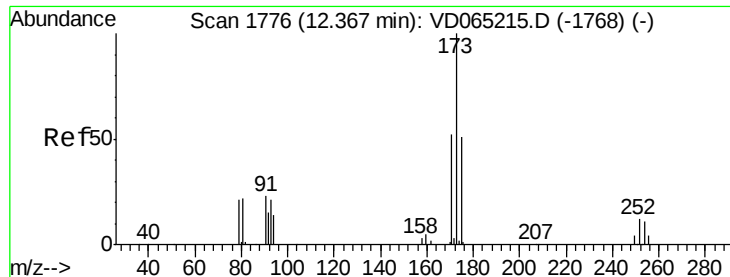
Tot Ion:106 Resp: 164260
Ion Ratio Lower Upper
106 100
91 203.3 104.7 313.9



#70
Styrene
Concen: 21.187 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion:104 Resp: 285729
Ion Ratio Lower Upper
104 100
78 47.2 37.8 56.6
103 55.0 43.4 65.2

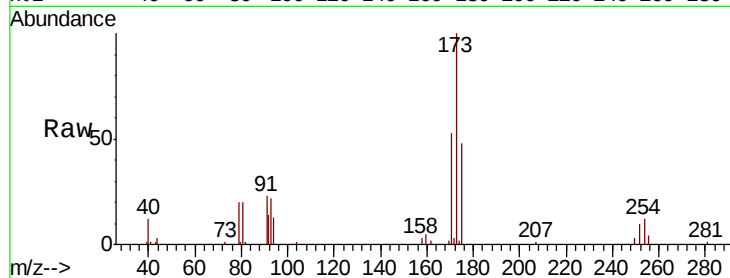




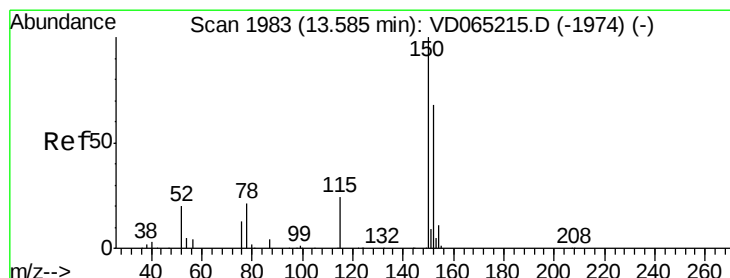
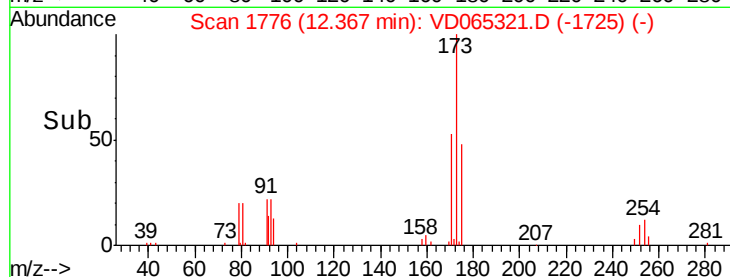
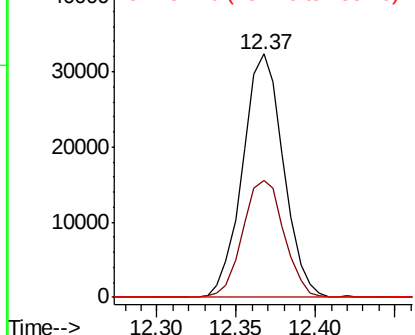
#71
Bromoform
Concen: 21.808 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 57782
Ion Ratio Lower Upper
173 100
175 48.6 24.4 73.4
254 0.0 0.0 0.0

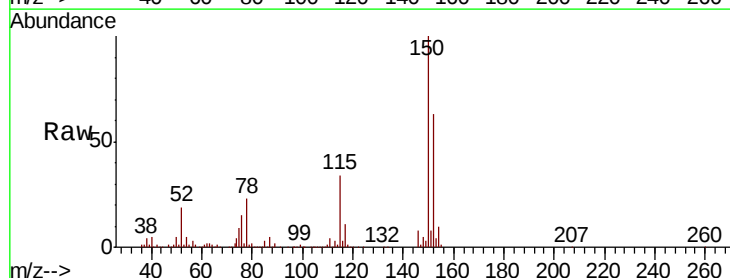


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

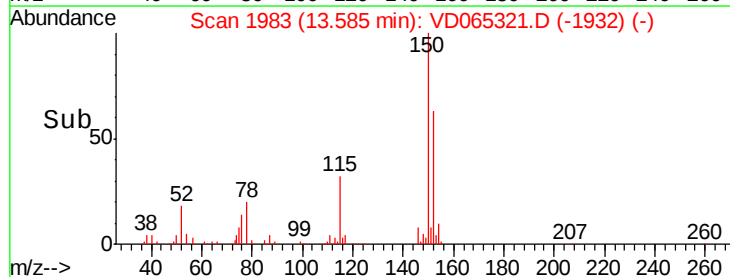
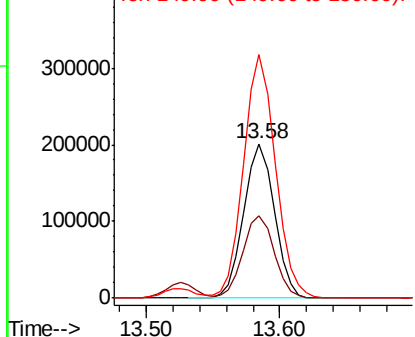


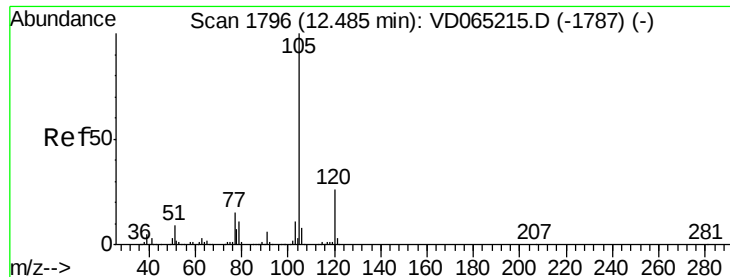
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion:152 Resp: 319948
Ion Ratio Lower Upper
152 100
115 55.1 27.6 82.8
150 163.6 0.0 347.4



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





#73

Isopropylbenzene

Concen: 20.905 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

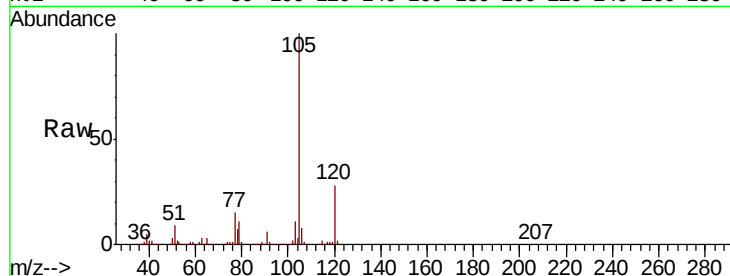
ClientSampleId :

Tot Ion:105 Resp: 442821

Ion Ratio Lower Upper

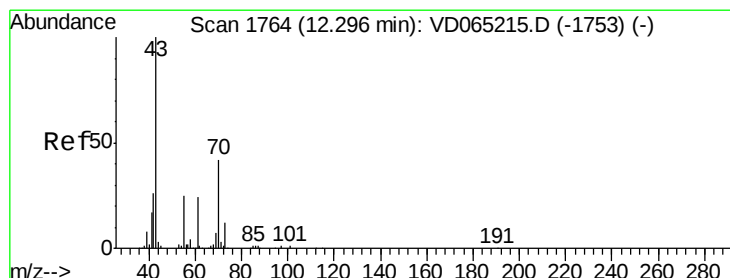
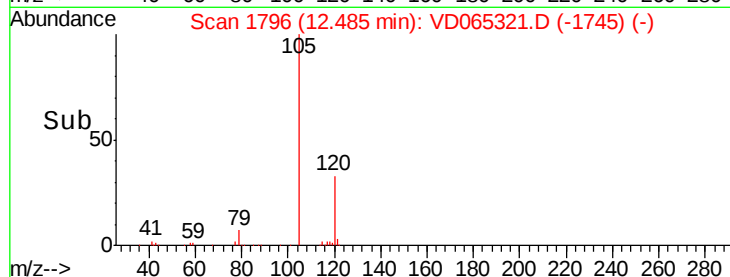
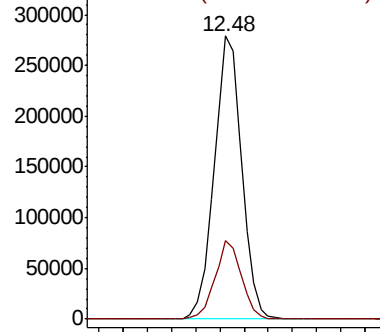
105 100

120 26.8 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: 20.297 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Tgt Ion: 43 Resp: 95535

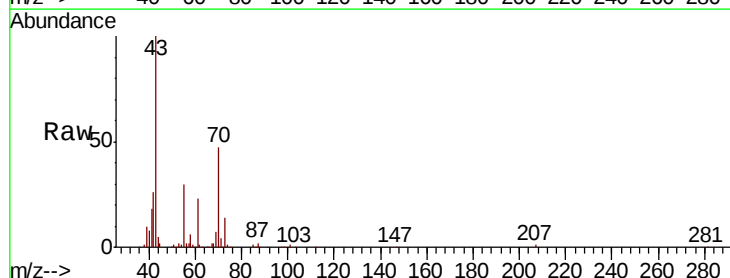
Ion Ratio Lower Upper

43 100

70 44.2 33.7 50.5

55 28.7 20.7 31.1

61 24.2 19.0 28.4

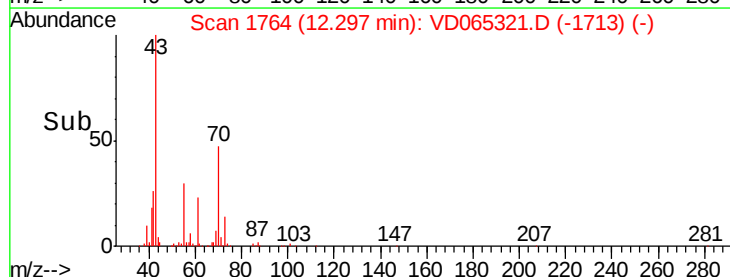
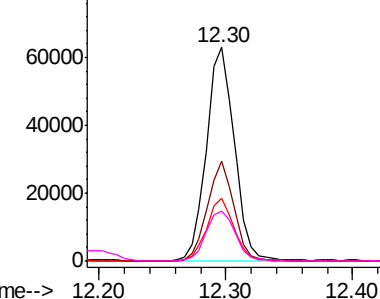


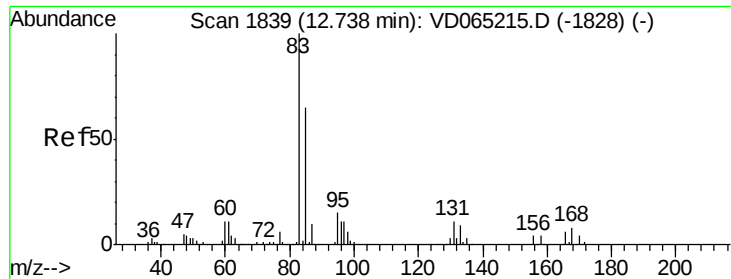
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.267 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

ClientSampleId :

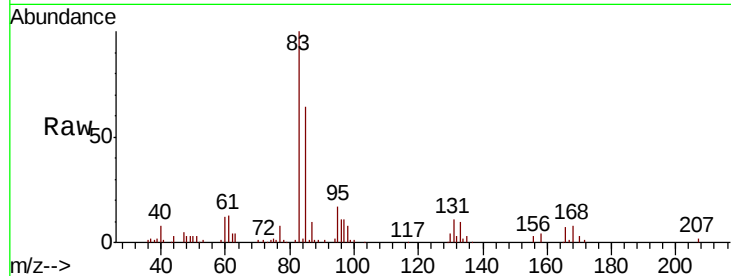
Tot Ion: 83 Resp: 81303

Ion Ratio Lower Upper

83 100

131 10.4 5.4 16.2

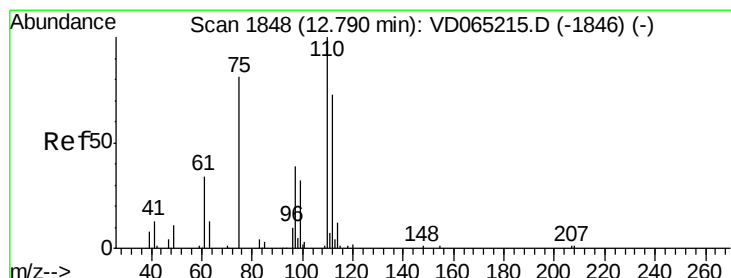
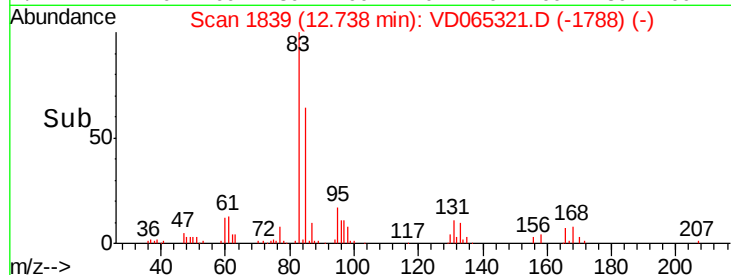
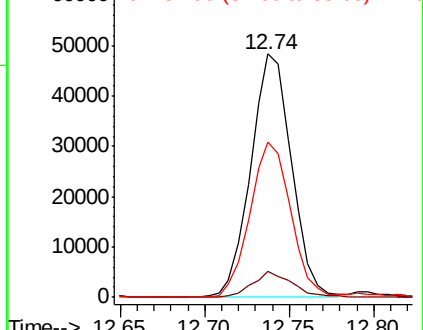
85 64.0 31.6 94.8



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: 38.986 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065321.D

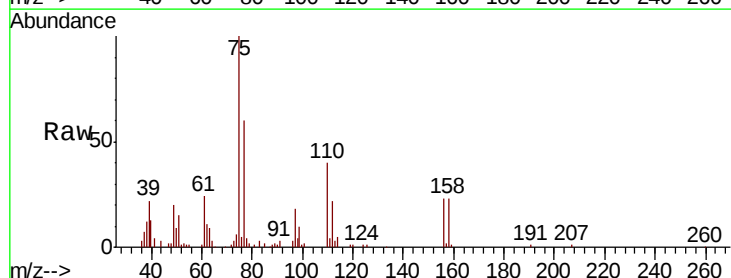
Acq: 26 Feb 2020 11:57

Tgt Ion: 75 Resp: 106129

Ion Ratio Lower Upper

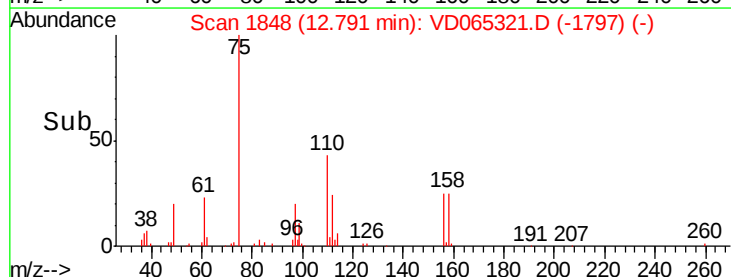
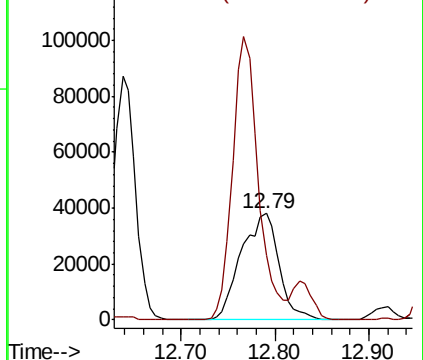
75 100

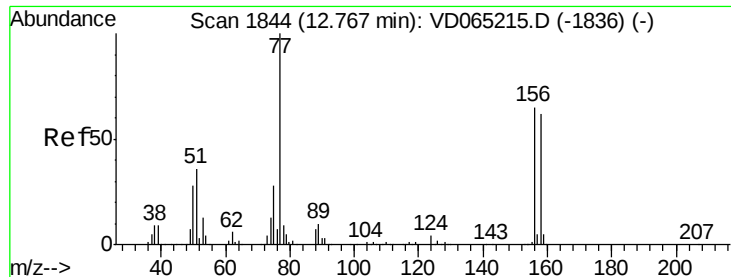
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.321 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

ClientSampled :

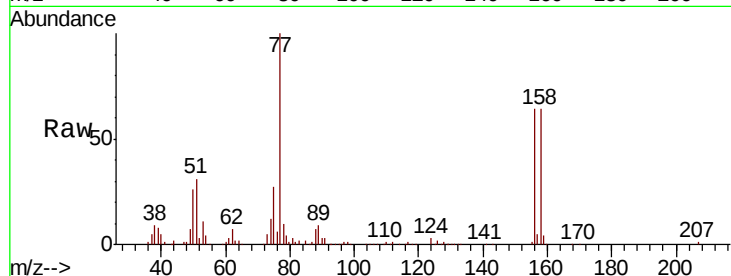
Tot Ion:156 Resp: 112144

Ion Ratio Lower Upper

156 100

77 171.4 86.6 259.7

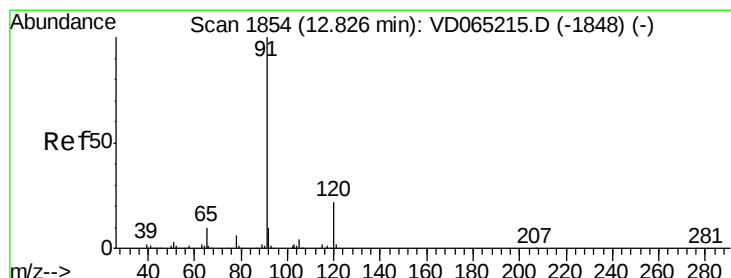
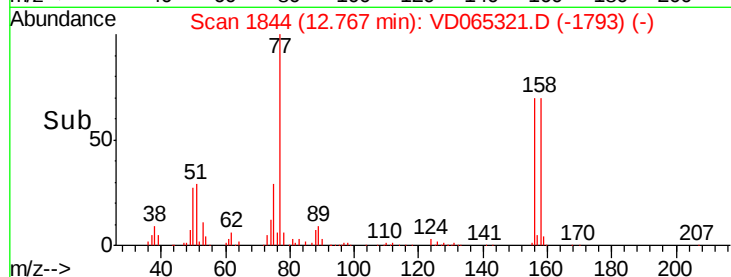
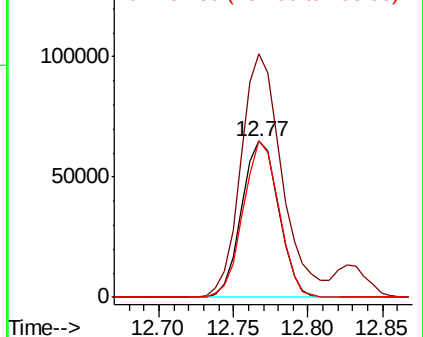
158 96.5 48.1 144.3



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: 21.306 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065321.D

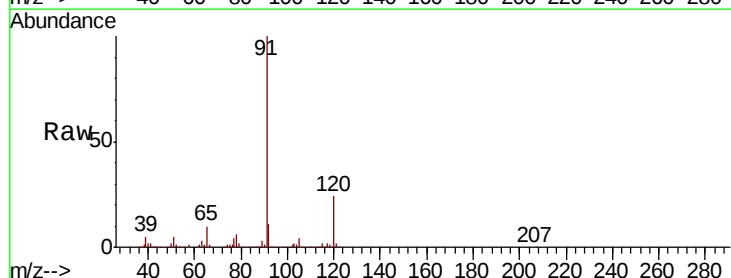
Acq: 26 Feb 2020 11:57

Tgt Ion: 91 Resp: 542352

Ion Ratio Lower Upper

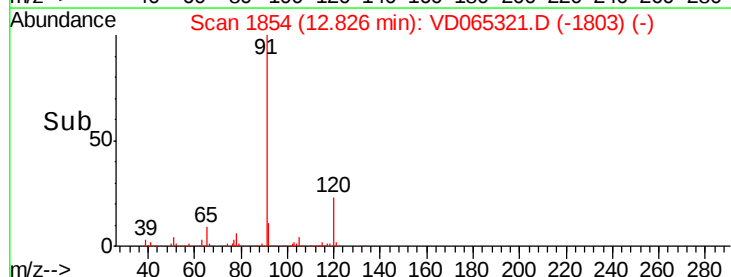
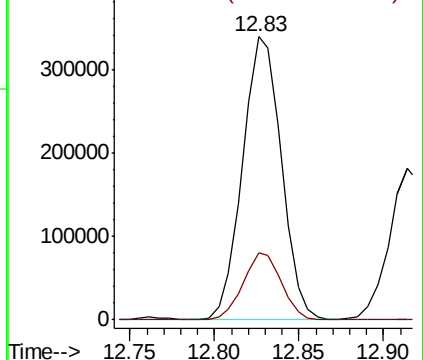
91 100

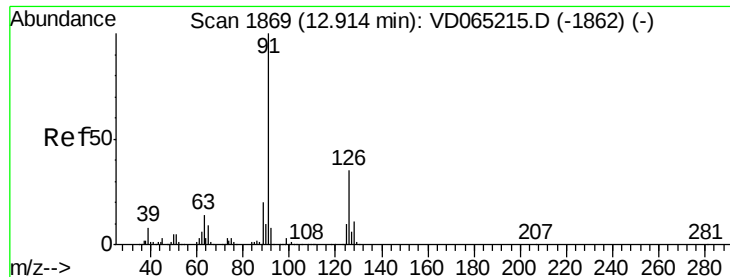
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

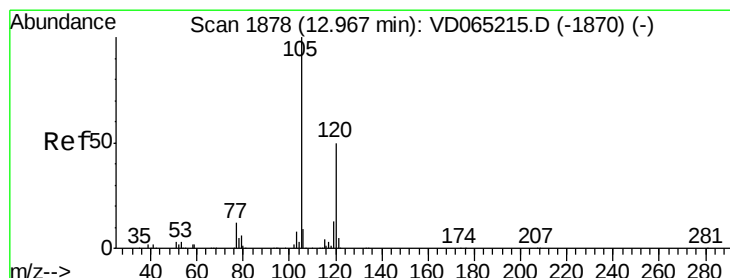
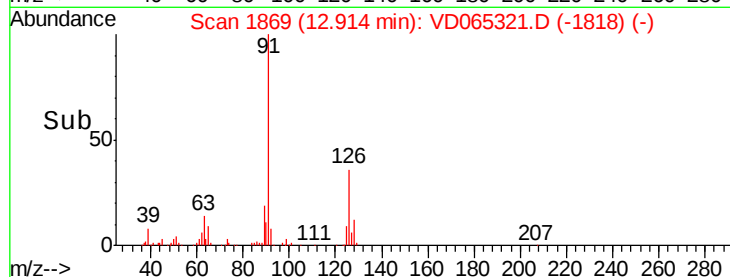
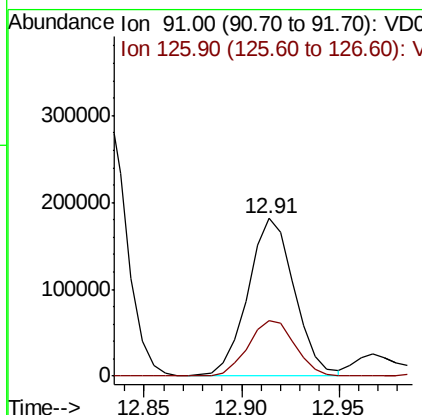
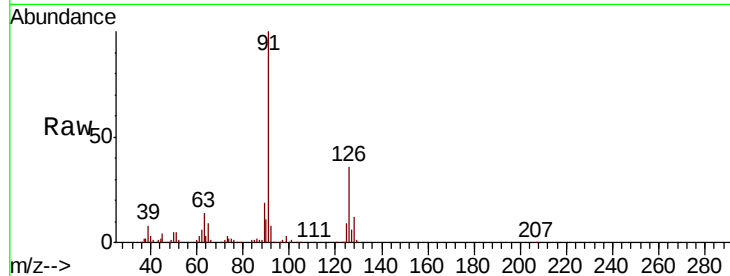




#79
 2-Chlorotoluene
 Concen: 20.970 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

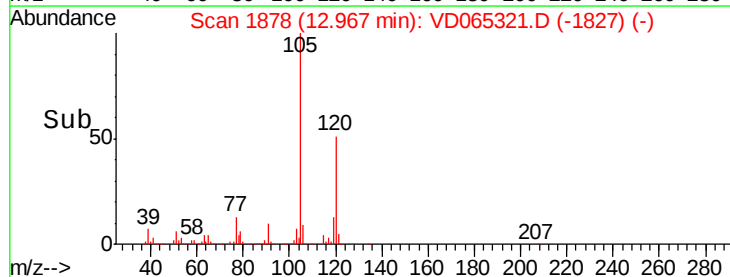
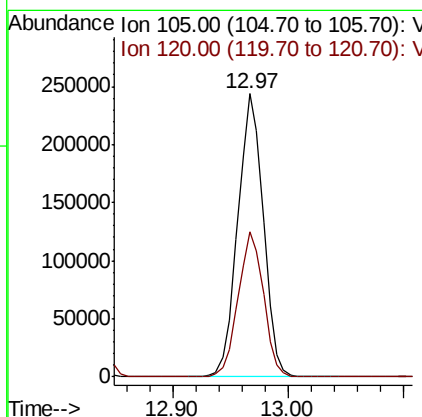
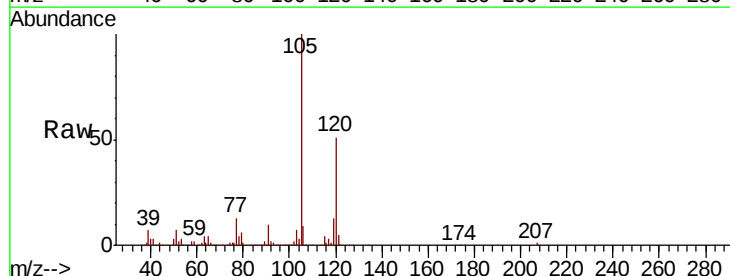
Instrument :
 MSVOA_D
 ClientSampleId :

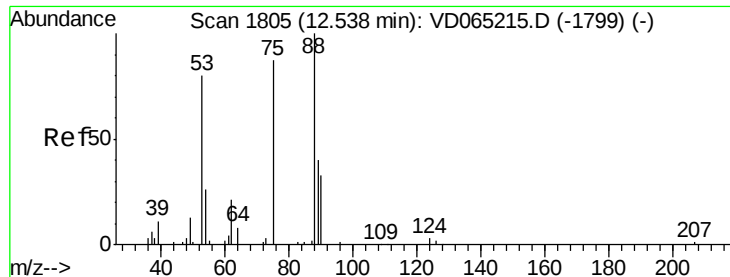
Tot Ion: 91 Resp: 299028
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 21.413 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Tgt Ion: 105 Resp: 373582
 Ion Ratio Lower Upper
 105 100
 120 50.9 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.296 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

ClientSampleId :

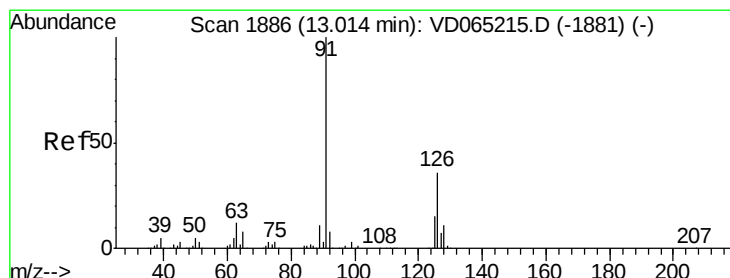
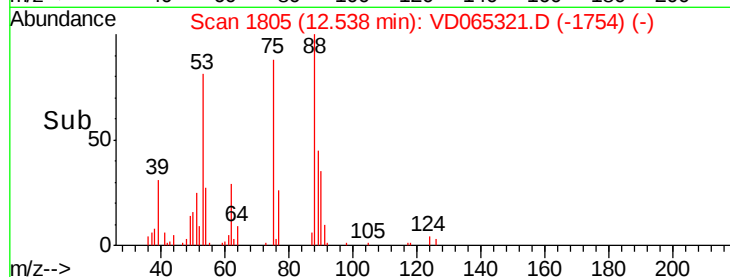
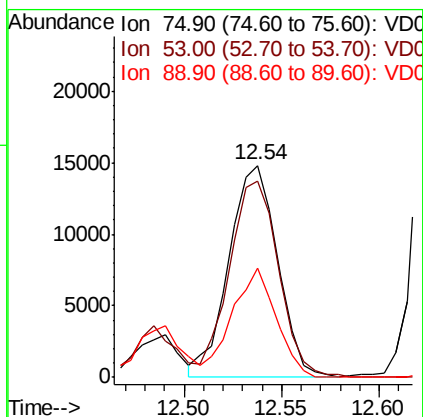
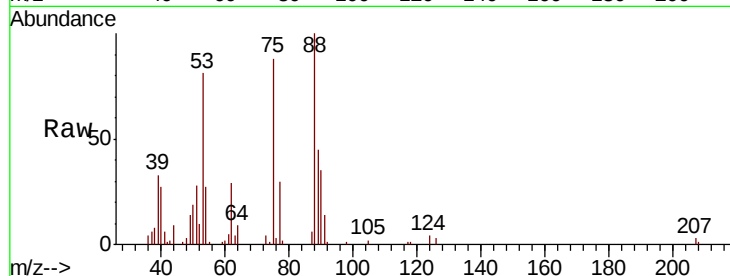
Tot Ion: 75 Resp: 25588

Ion Ratio Lower Upper

75 100

53 93.6 77.6 116.4

89 46.9 37.2 55.8



#82

4-Chlorotoluene

Concen: 20.930 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065321.D

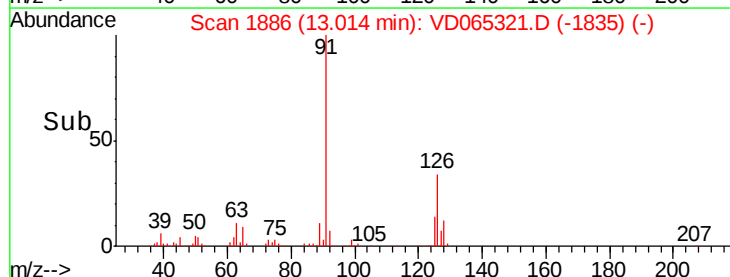
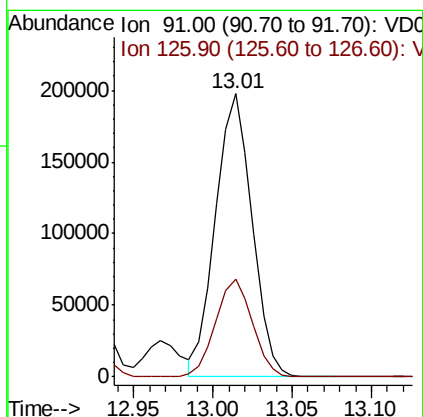
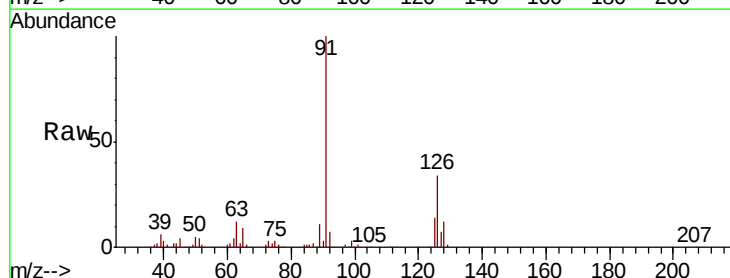
Acq: 26 Feb 2020 11:57

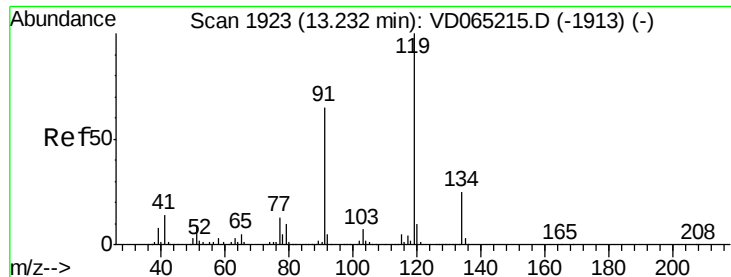
Tgt Ion: 91 Resp: 316862

Ion Ratio Lower Upper

91 100

126 34.8 17.4 52.3

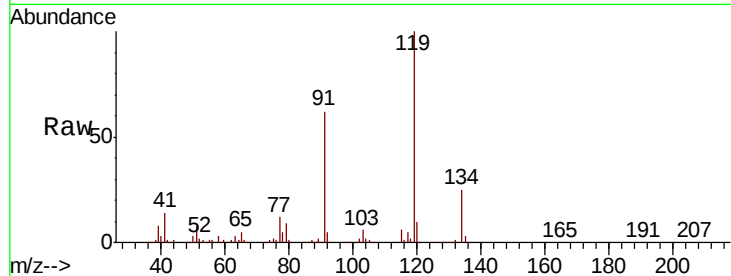




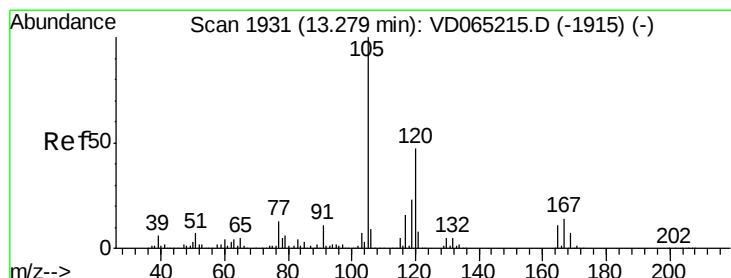
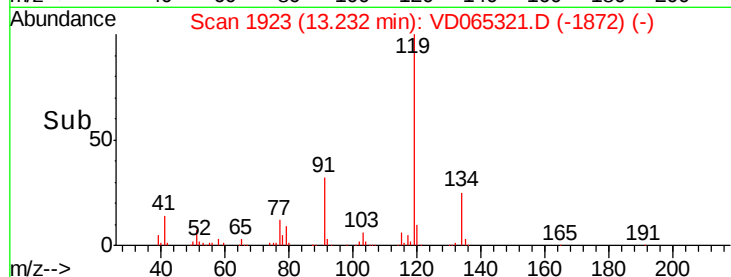
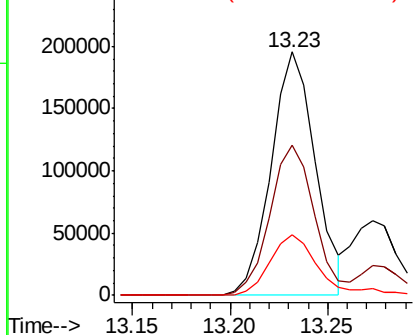
#83
tert-Butylbenzene
Concen: 20.963 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 306521
Ion Ratio Lower Upper
119 100
91 62.4 31.9 95.5
134 27.6 13.8 41.3

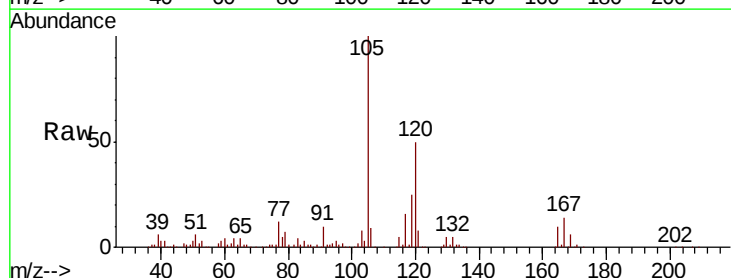


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

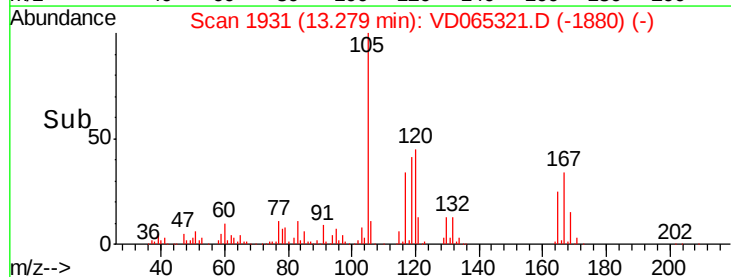
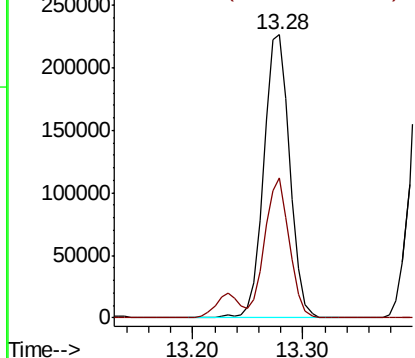


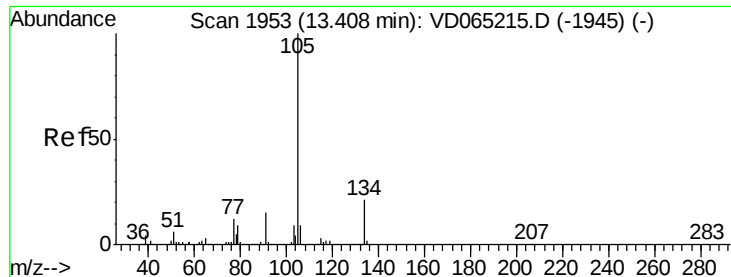
#84
1,2,4-Trimethylbenzene
Concen: 21.351 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion:105 Resp: 372842
Ion Ratio Lower Upper
105 100
120 46.6 23.3 69.9



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





#85

sec-Butylbenzene

Concen: 20.903 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

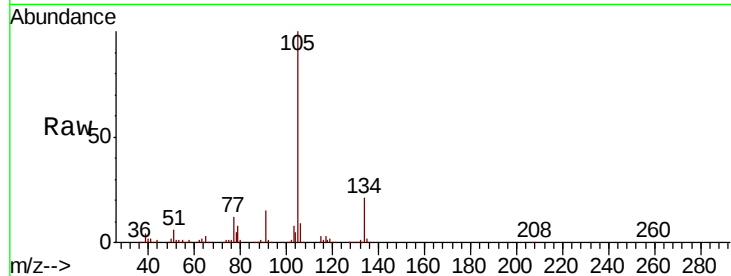
ClientSampleId :

Tot Ion:105 Resp: 440424

Ion Ratio Lower Upper

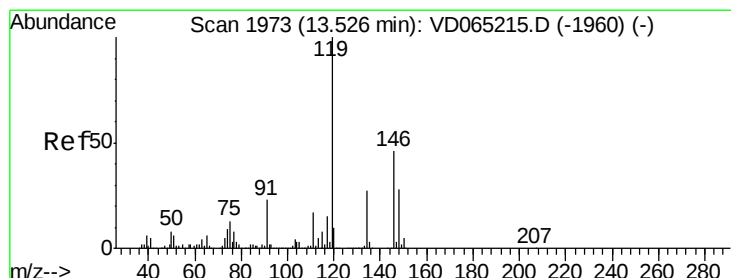
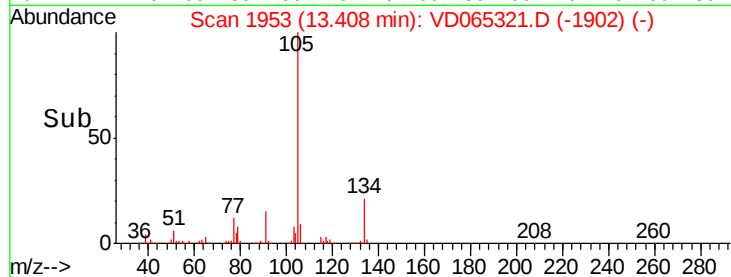
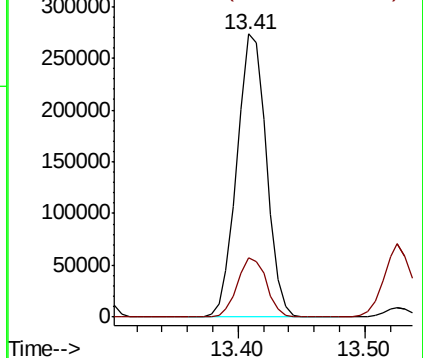
105 100

134 20.8 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.276 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

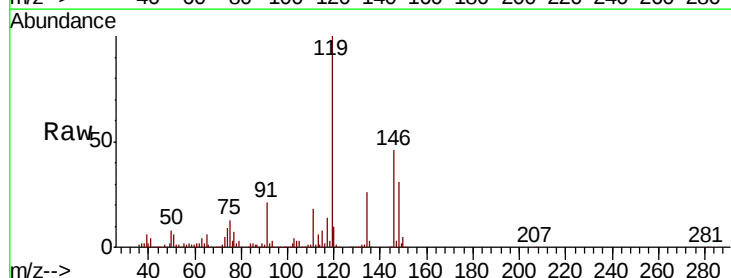
Tgt Ion:119 Resp: 409944

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

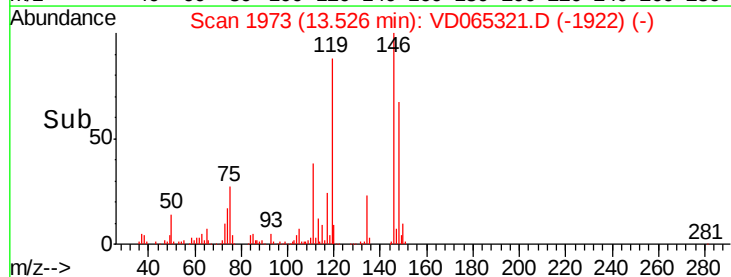
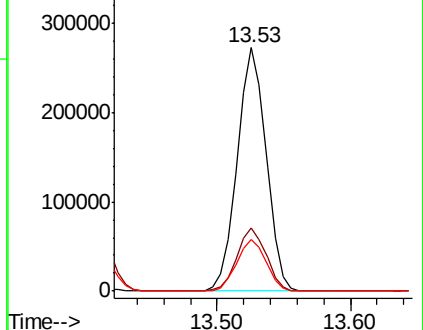
91 21.3 11.1 33.1

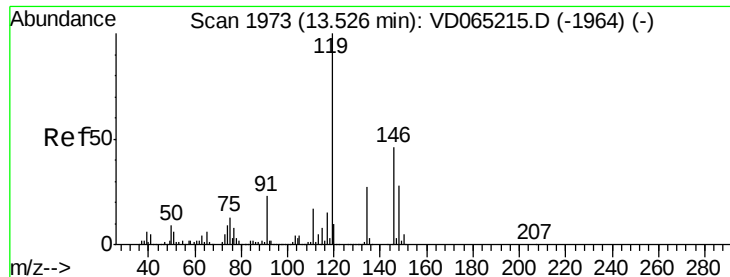


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

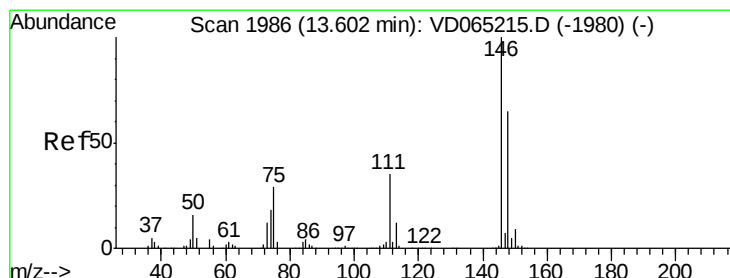
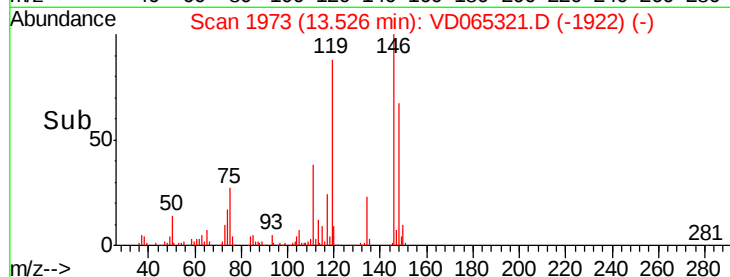
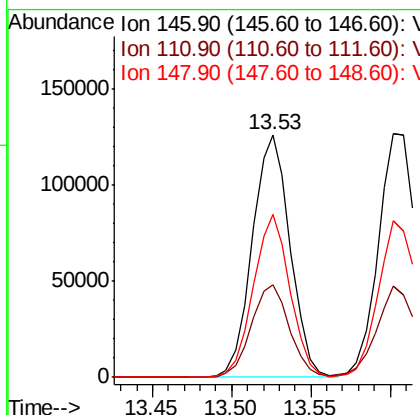
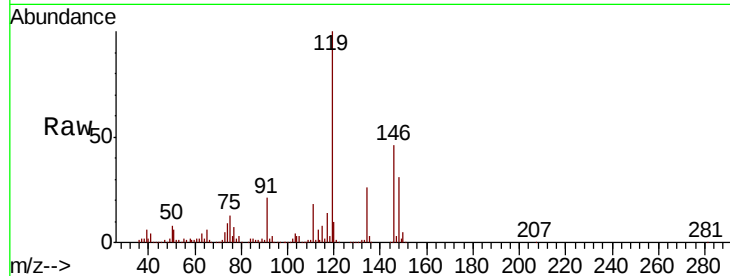




#87
 1,3-Dichlorobenzene
 Concen: 20.473 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

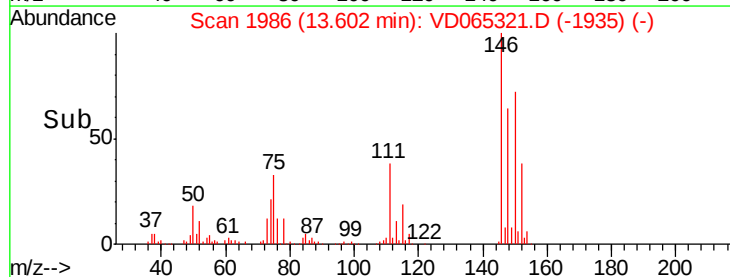
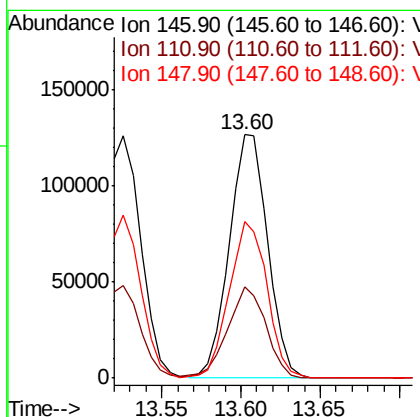
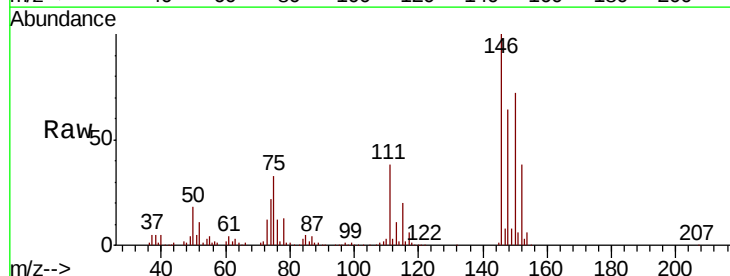
Instrument :
 MSVOA_D
 ClientSampleId :

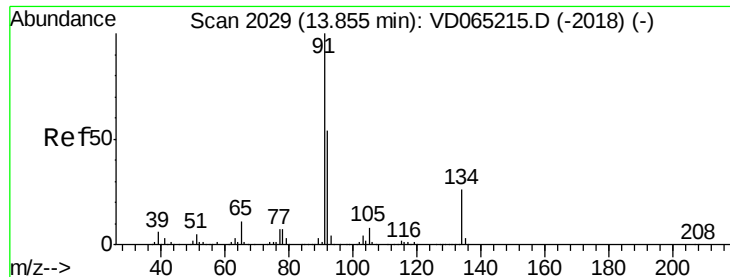
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	55.8
148	65.1	31.4	94.3



#88
 1,4-Dichlorobenzene
 Concen: 21.193 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.4	55.2
148	63.5	32.1	96.5

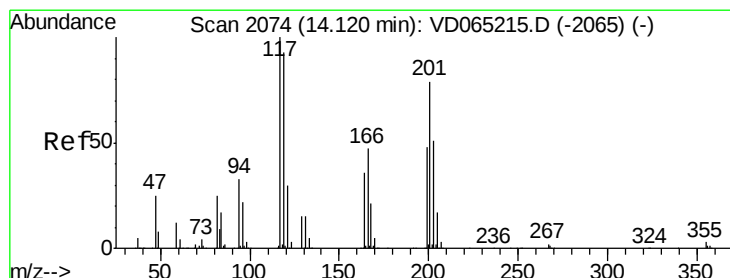
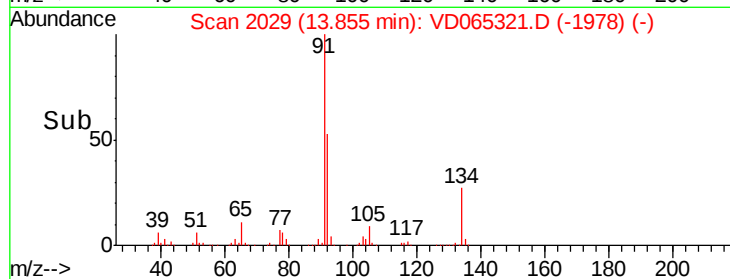
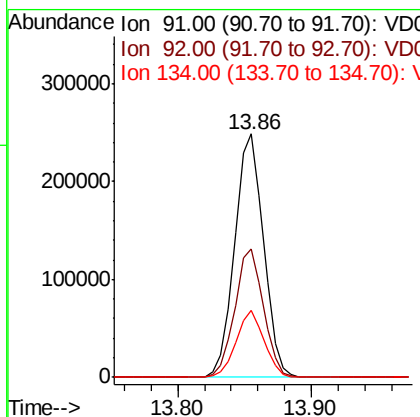
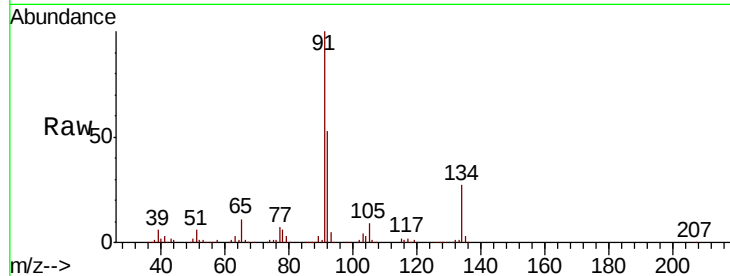




#89
n-Butylbenzene
Concen: 21.037 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

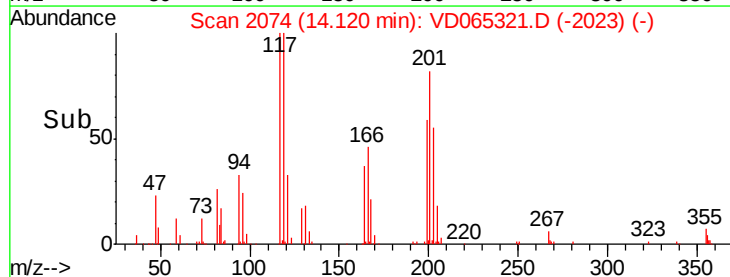
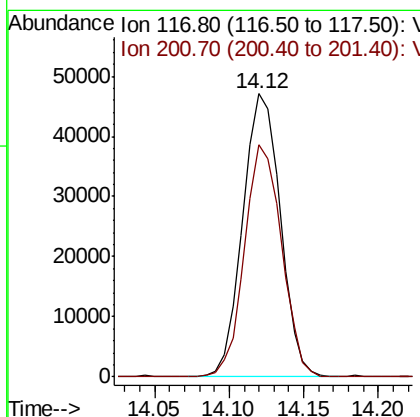
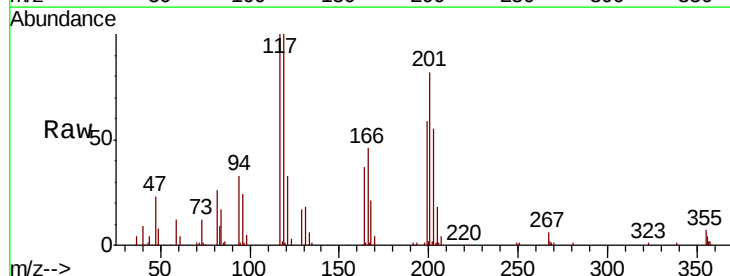
Instrument :
MSVOA_D
ClientSampleId :

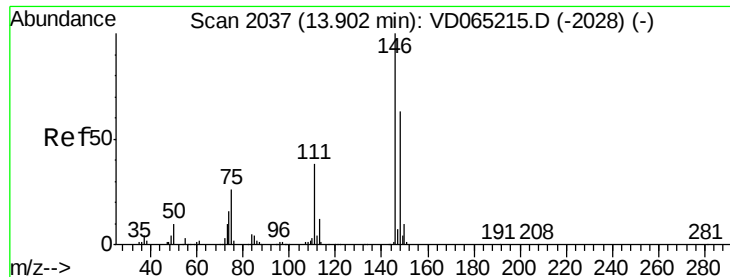
Tot Ion: 91 Resp: 373518
Ion Ratio Lower Upper
91 100
92 52.7 27.0 80.8
134 26.5 13.5 40.4



#90
Hexachloroethane
Concen: 21.002 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion: 117 Resp: 82166
Ion Ratio Lower Upper
117 100
201 80.7 41.3 124.1

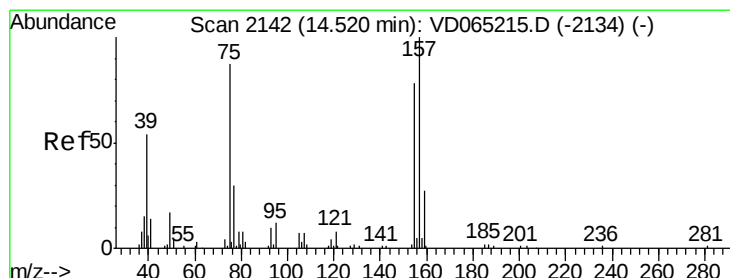
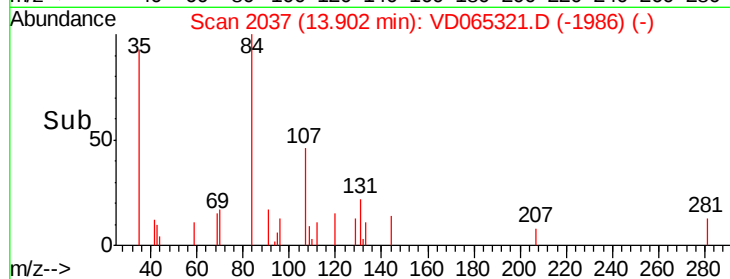
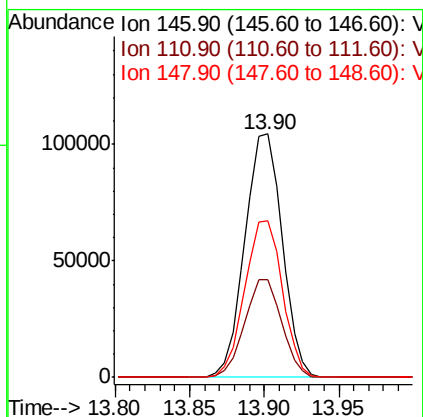
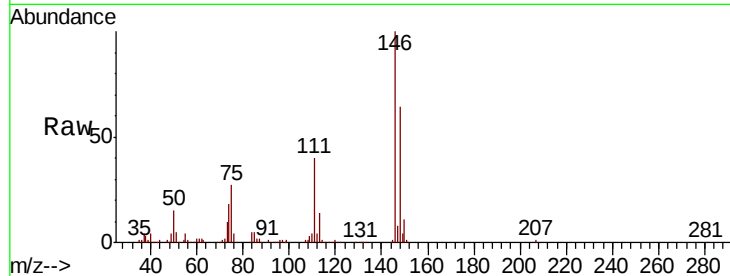




#91
 1,2-Dichlorobenzene
 Concen: 20.752 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

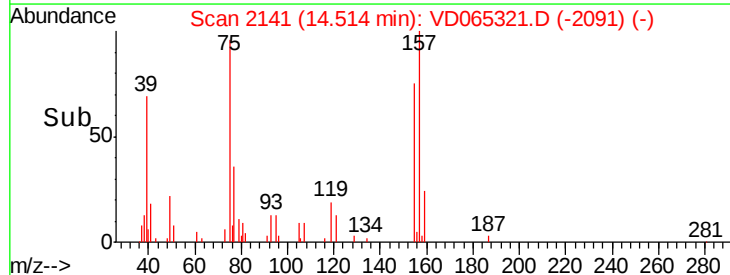
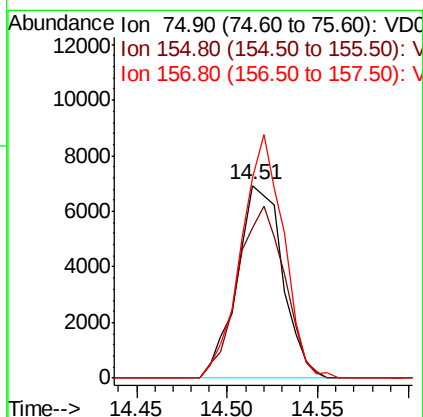
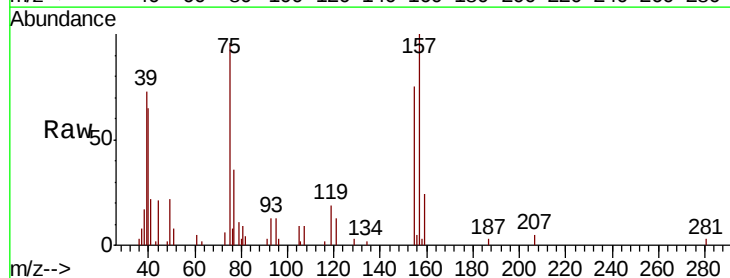
Instrument :
 MSVOA_D
 ClientSampleId :

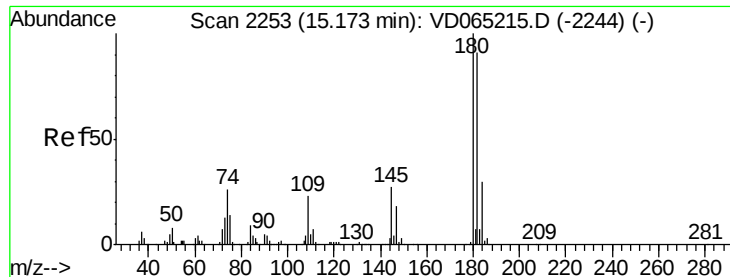
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.7	59.0
148	64.8	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.520 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.2	42.3	126.9
157	117.3	56.7	170.1

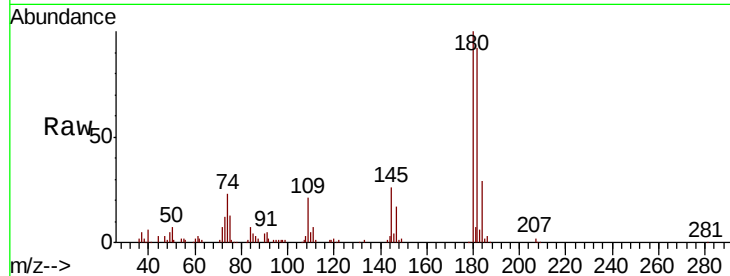




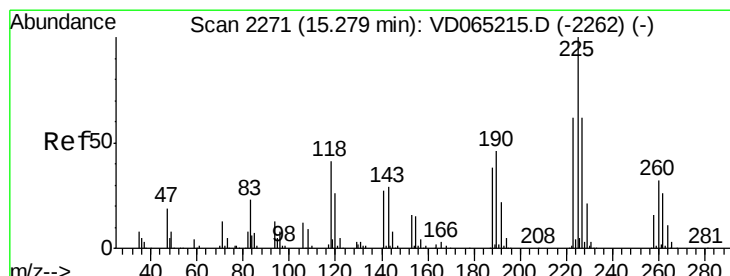
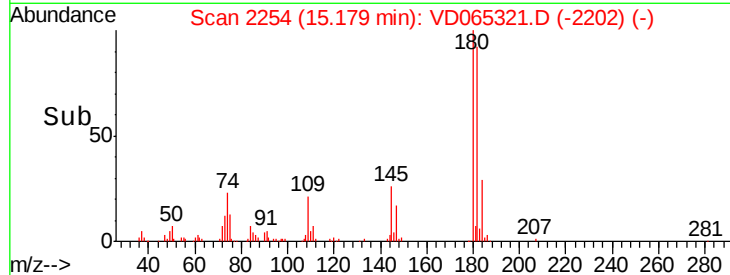
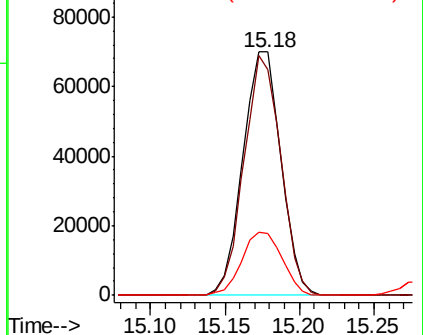
#93
 1,2,4-Trichlorobenzene
 Concen: 21.642 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 123602
 Ion Ratio Lower Upper
 180 100
 182 94.9 46.9 140.6
 145 27.4 13.9 41.7

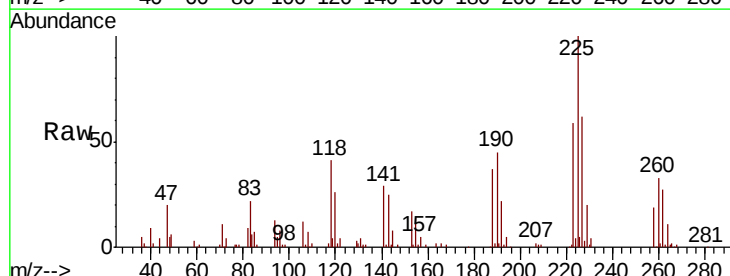


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

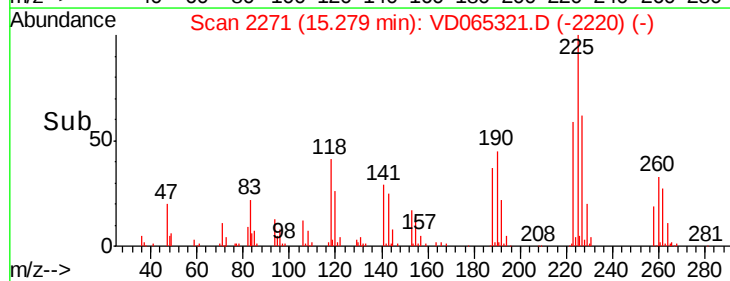
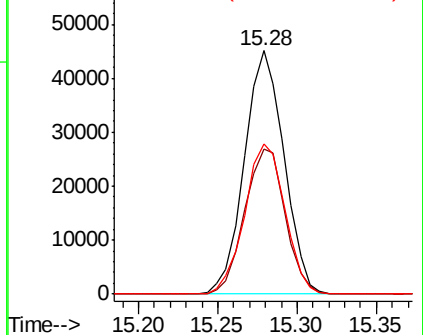


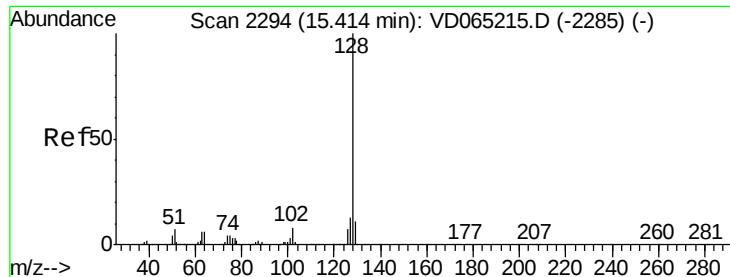
#94
 Hexachlorobutadiene
 Concen: 21.437 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Tgt Ion:225 Resp: 78537
 Ion Ratio Lower Upper
 225 100
 223 60.9 31.4 94.2
 227 62.5 31.7 95.1



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

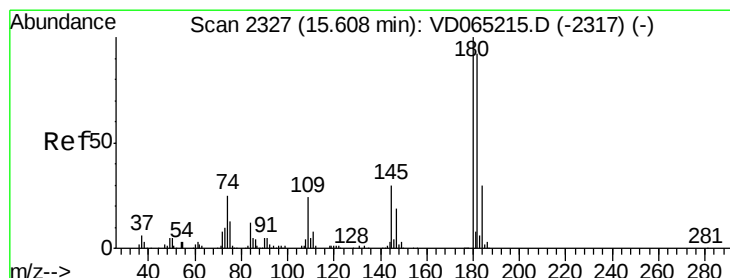
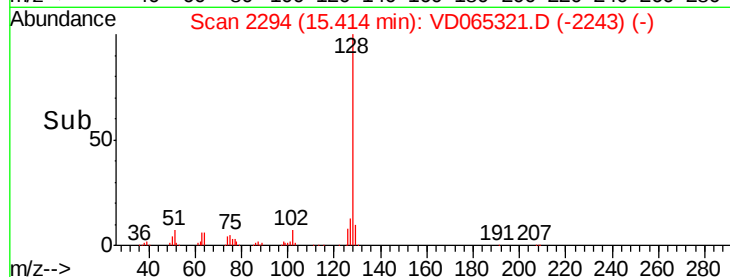
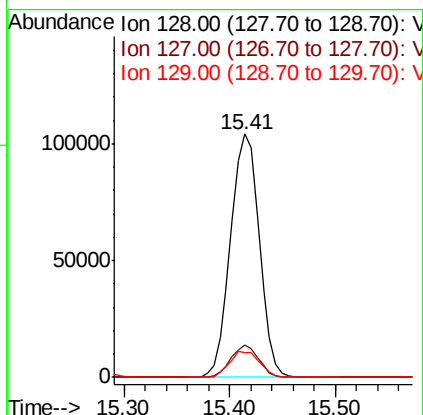
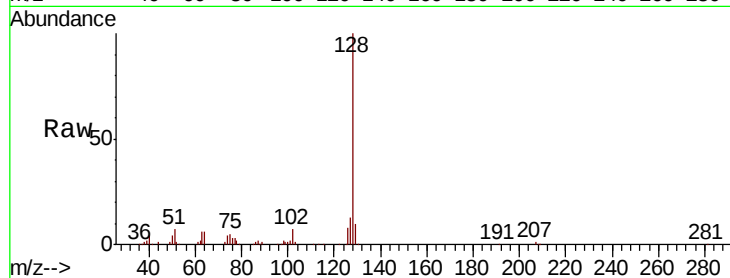




#95
Naphthalene
Concen: 21.132 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.1	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 21.568 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	46.9	140.6
145	30.3	15.4	46.1

