

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022020\
 Data File : VD065249.D
 Acq On : 20 Feb 2020 11:41
 Operator : VA/SY
 Sample : VD0220SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 21 04:01:30 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	484235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	722439	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	639876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	312269	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	213990	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
35) Dibromofluoromethane	7.92	113	223832	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	10.34	98	893049	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
62) 4-Bromofluorobenzene	12.64	95	277610	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	75319	18.545	ug/l	99
3) Chloromethane	2.21	50	102571	19.841	ug/l	99
4) Vinyl Chloride	2.35	62	101716	19.350	ug/l	97
5) Bromomethane	2.77	94	64222	20.206	ug/l	99
6) Chloroethane	2.93	64	64063	19.965	ug/l	95
7) Trichlorofluoromethane	3.27	101	148900	19.785	ug/l	99
8) Diethyl Ether	3.70	74	41491	18.264	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	97671	20.551	ug/l	99
10) Methyl Iodide	4.30	142	95681	19.390	ug/l	99
11) Tert butyl alcohol	5.24	59	21501	82.597	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	91496	20.380	ug/l	97
13) Acrolein	3.93	56	40402	110.369	ug/l	98
14) Allyl chloride	4.71	41	143721	19.713	ug/l	97
15) Acrylonitrile	5.44	53	91570	91.044	ug/l	98
16) Acetone	4.16	43	86260	81.005	ug/l	99
17) Carbon Disulfide	4.40	76	298807	19.852	ug/l	100
18) Methyl Acetate	4.72	43	44145	18.432	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	167696	17.912	ug/l	96
20) Methylene Chloride	4.97	84	108508	20.136	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	101785	19.943	ug/l	98
22) Diisopropyl ether	6.37	45	274960	19.563	ug/l	98
23) Vinyl Acetate	6.31	43	684234	88.307	ug/l	97
24) 1,1-Dichloroethane	6.26	63	172402	19.776	ug/l	97
25) 2-Butanone	7.23	43	111996	83.126	ug/l	95
26) 2,2-Dichloropropane	7.21	77	150971	19.960	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	106242	19.652	ug/l	98
28) Bromochloromethane	7.56	49	57632	17.819	ug/l	99
29) Tetrahydrofuran	7.57	42	68497	86.770	ug/l	99
30) Chloroform	7.71	83	176091	20.050	ug/l	97
31) Cyclohexane	7.98	56	167633	19.571	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	157140	19.997	ug/l	100
36) 1,1-Dichloropropene	8.11	75	142521	20.275	ug/l	99
37) Ethyl Acetate	7.30	43	51638	17.572	ug/l	98
38) Carbon Tetrachloride	8.10	117	144640	20.213	ug/l	98

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	168668	20.410	ug/l	97
40) Benzene	8.36	78	400945	20.208	ug/l	97
41) Methacrylonitrile	7.54	41	28339	16.702	ug/l #	93
42) 1,2-Dichloroethane	8.43	62	102793	18.845	ug/l	100
43) Isopropyl Acetate	8.46	43	92807	17.367	ug/l	96
44) Trichloroethene	9.11	130	114045	20.736	ug/l	98
45) 1,2-Dichloropropane	9.39	63	95900	19.438	ug/l	100
46) Dibromomethane	9.48	93	48570	19.134	ug/l	99
47) Bromodichloromethane	9.67	83	130547	19.515	ug/l	94
48) Methyl methacrylate	9.46	41	49066	19.864	ug/l	95
49) 1,4-Dioxane	9.47	88	10448	350.930	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	239230	88.141	ug/l	100
52) Toluene	10.41	92	253907	20.674	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	117485	18.947	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	143915	19.220	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	67441	18.876	ug/l	100
56) Ethyl methacrylate	10.67	69	72964	17.693	ug/l	98
57) 1,3-Dichloropropane	10.95	76	116689	19.189	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	116166	89.348	ug/l	99
59) 2-Hexanone	10.99	43	165936	85.406	ug/l	98
60) Dibromochloromethane	11.14	129	87620	19.160	ug/l	98
61) 1,2-Dibromoethane	11.25	107	63022	18.630	ug/l	99
64) Tetrachloroethene	10.88	164	98546	21.715	ug/l	98
65) Chlorobenzene	11.68	112	263601	20.529	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	96572	20.154	ug/l	99
67) Ethyl Benzene	11.75	91	464816	20.668	ug/l	98
68) m/p-Xylenes	11.86	106	363909	42.295	ug/l	99
69) o-Xylene	12.19	106	155886	20.450	ug/l	99
70) Styrene	12.20	104	276283	20.414	ug/l	99
71) Bromoform	12.37	173	48992	18.425	ug/l #	98
73) Isopropylbenzene	12.48	105	435854	21.083	ug/l	100
74) N-amyl acetate	12.30	43	81365	17.712	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	69292	18.571	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	93177	35.070	ug/l #	100
77) Bromobenzene	12.77	156	105156	20.484	ug/l	99
78) n-propylbenzene	12.83	91	534644	21.520	ug/l	100
79) 2-Chlorotoluene	12.91	91	289224	20.781	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	365062	21.440	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	21508	17.479	ug/l	99
82) 4-Chlorotoluene	13.01	91	314644	21.295	ug/l	100
83) tert-Butylbenzene	13.23	119	293002	20.531	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	367023	21.535	ug/l	99
85) sec-Butylbenzene	13.41	105	435497	21.178	ug/l	99
86) p-Isopropyltoluene	13.53	119	402994	21.429	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	199299	20.082	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	197039	20.116	ug/l	98
89) n-Butylbenzene	13.86	91	364503	21.034	ug/l	98
90) Hexachloroethane	14.12	117	77510	20.299	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	173414	20.350	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9523	16.562	ug/l	89

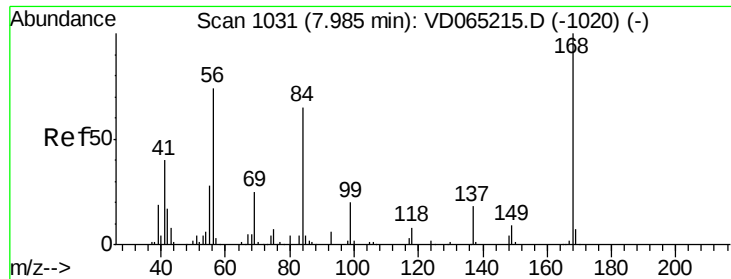
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022020\
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Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	114027	20.457	ug/l	100
94) Hexachlorobutadiene	15.28	225	76026	21.262	ug/l	100
95) Naphthalene	15.41	128	166639	18.390	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	97657	20.060	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

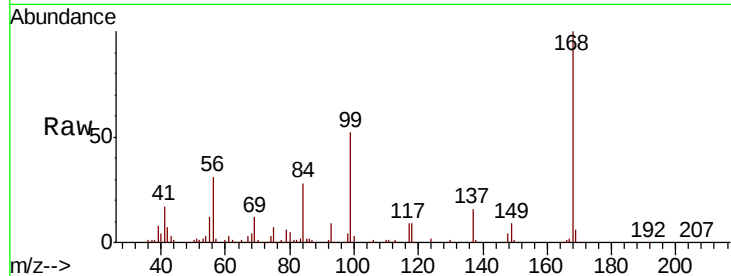
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 484235

Ion Ratio Lower Upper

168 100

99 51.8 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

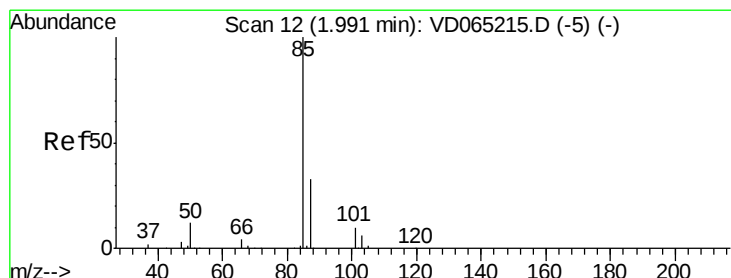
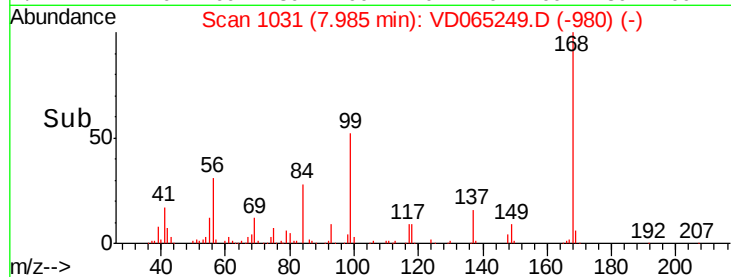
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.545 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065249.D

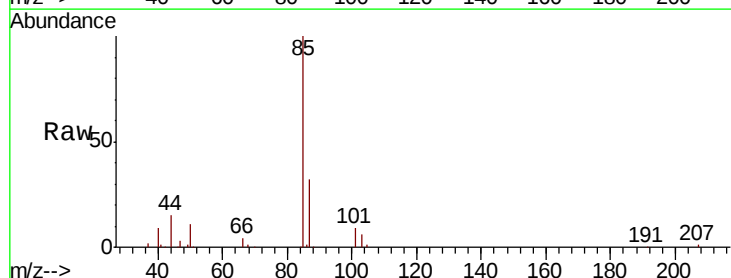
Acq: 20 Feb 2020 11:41

Tgt Ion: 85 Resp: 75319

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

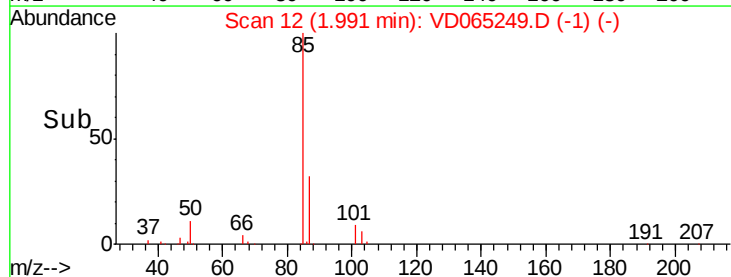
20000

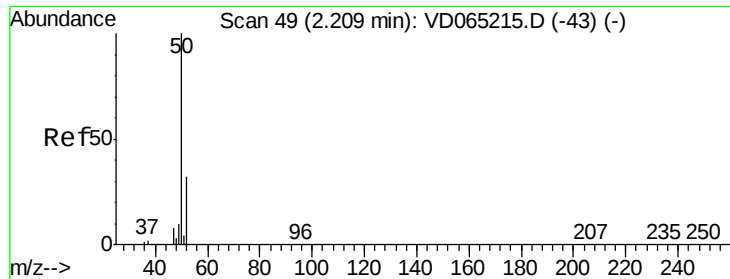
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 19.841 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

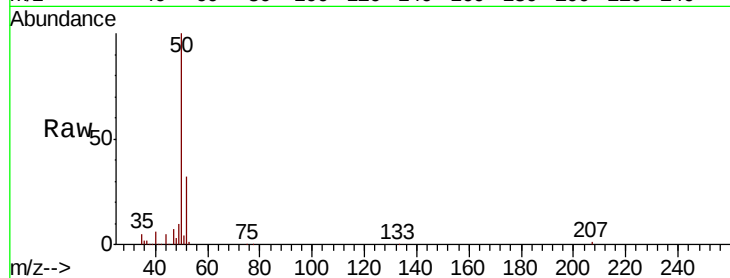
ClientSampled :

Tot Ion: 50 Resp: 102571

Ion Ratio Lower Upper

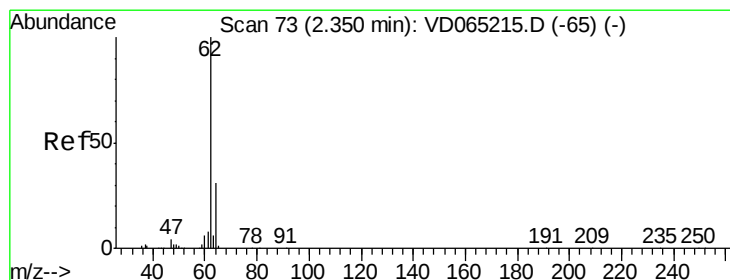
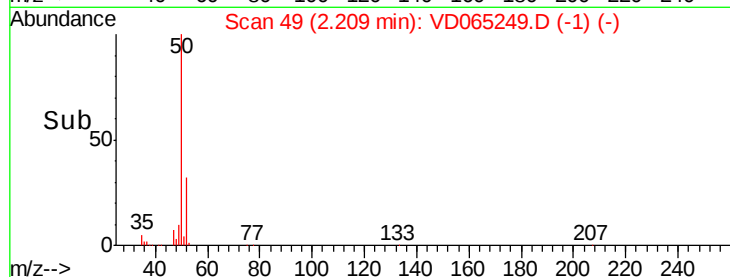
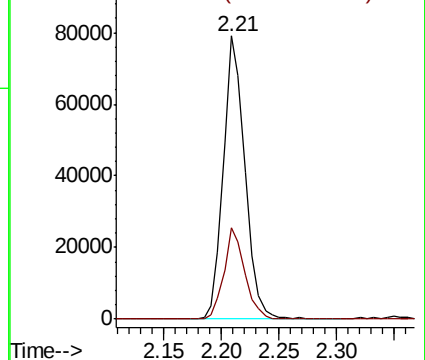
50 100

52 32.4 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.350 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065249.D

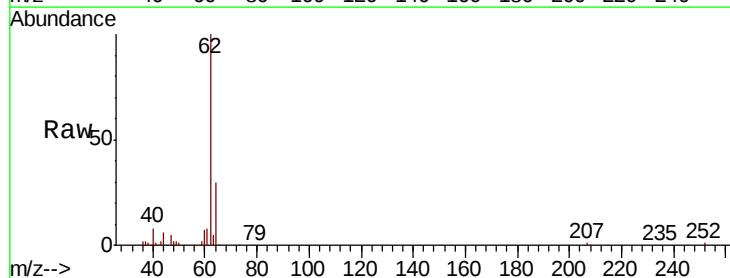
Acq: 20 Feb 2020 11:41

Tgt Ion: 62 Resp: 101716

Ion Ratio Lower Upper

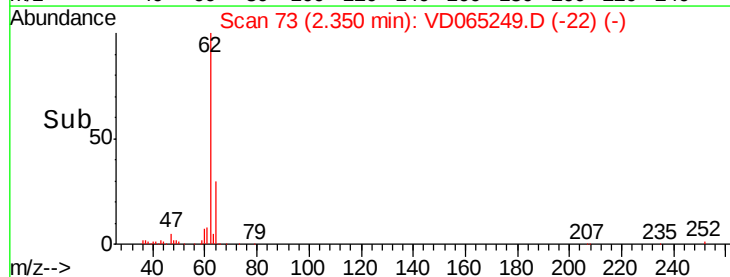
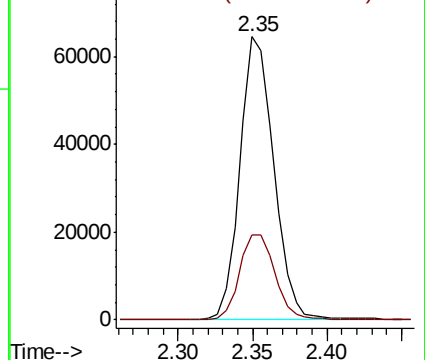
62 100

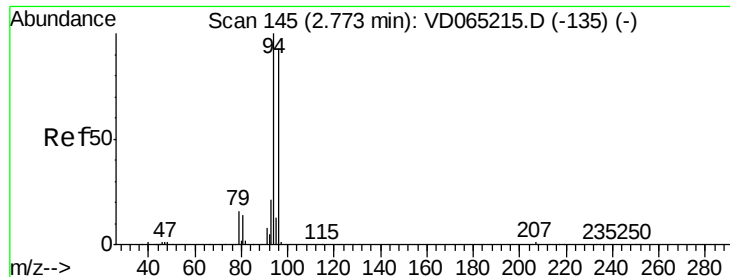
64 29.9 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.206 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

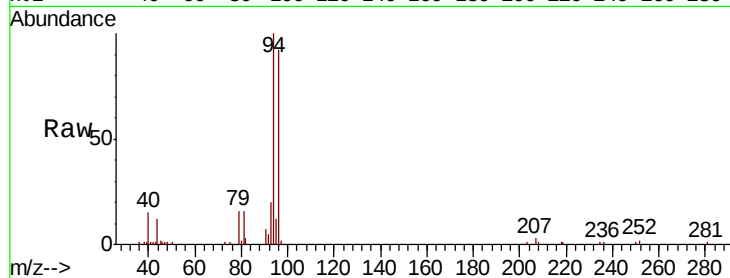
ClientSampleId :

Tot Ion: 94 Resp: 64222

Ion Ratio Lower Upper

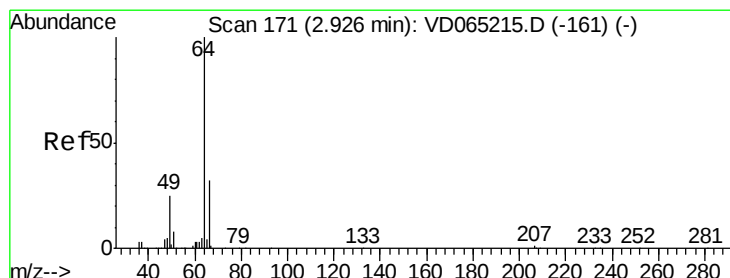
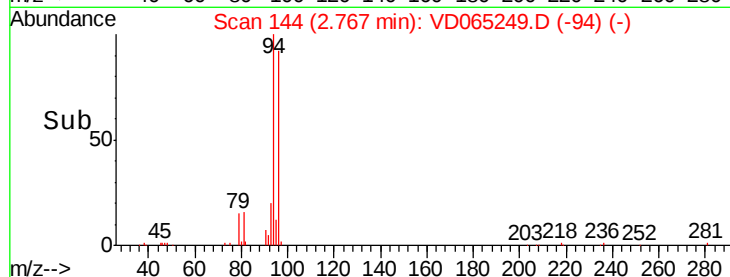
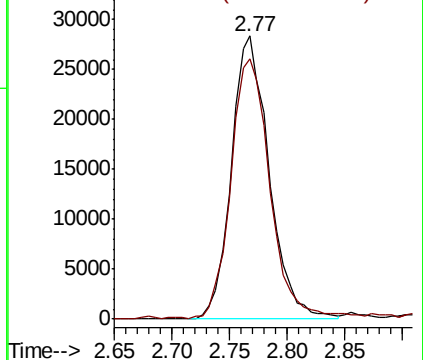
94 100

96 92.1 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: 19.965 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065249.D

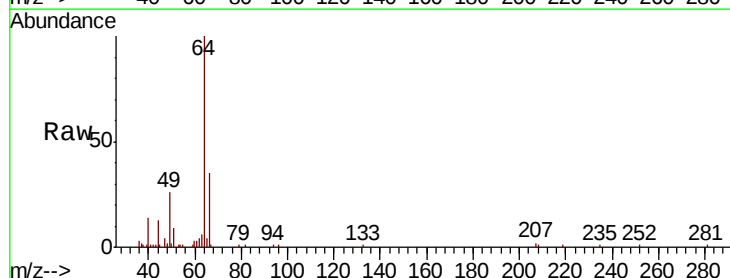
Acq: 20 Feb 2020 11:41

Tgt Ion: 64 Resp: 64063

Ion Ratio Lower Upper

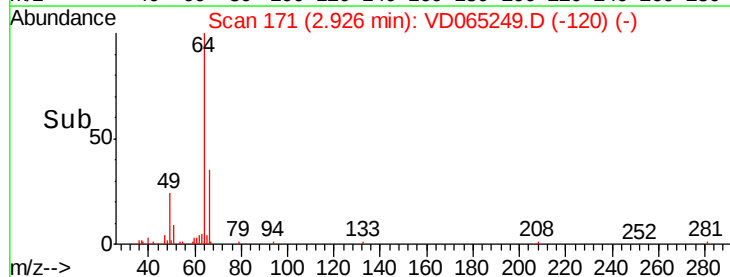
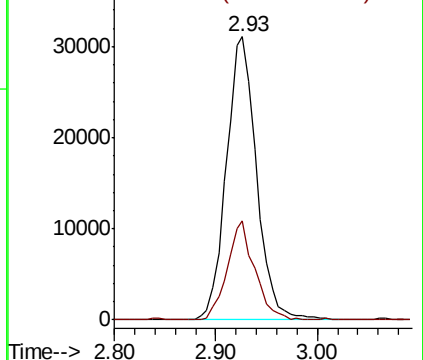
64 100

66 34.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



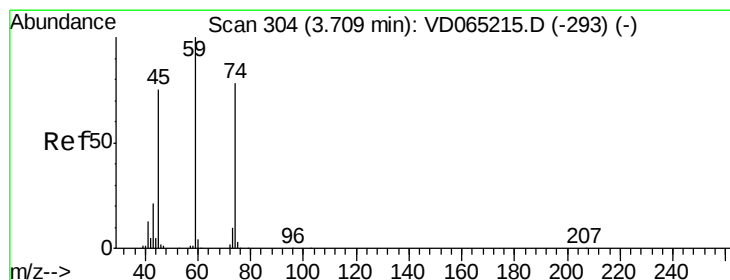
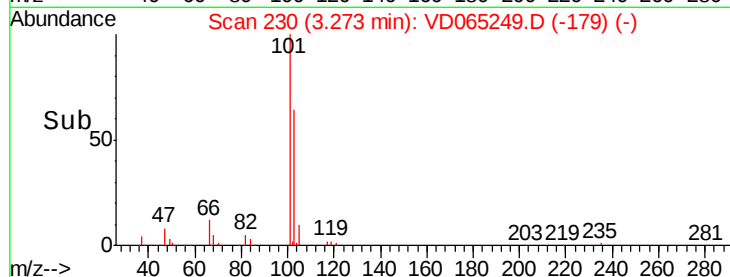
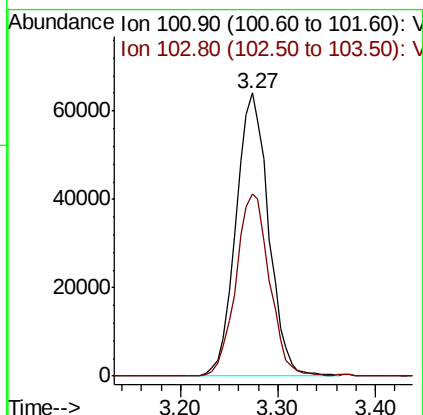
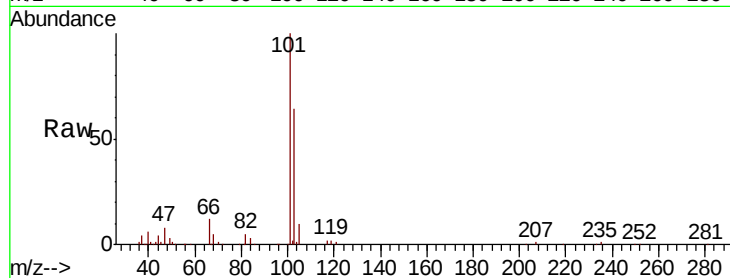


#7

Trichlorofluoromethane
 Concen: 19.785 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :

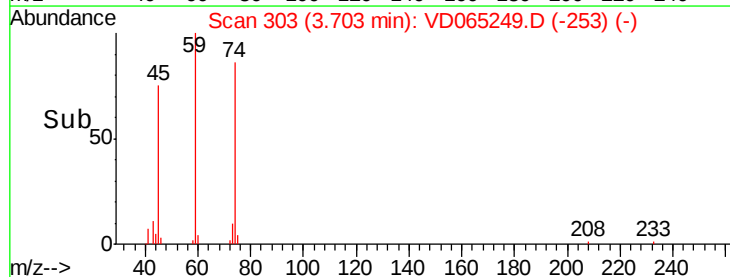
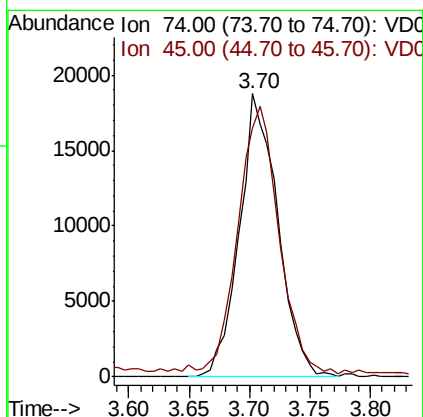
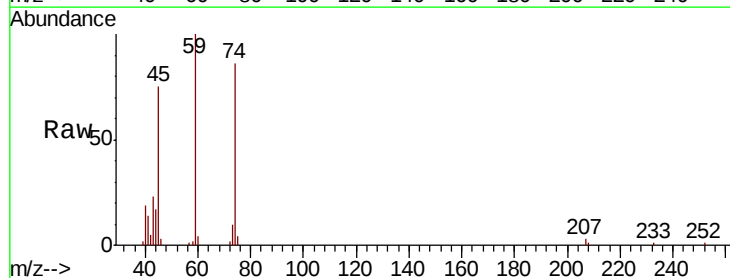
Tot Ion:101 Resp: 148900
 Ion Ratio Lower Upper
 101 100
 103 64.2 50.7 76.1

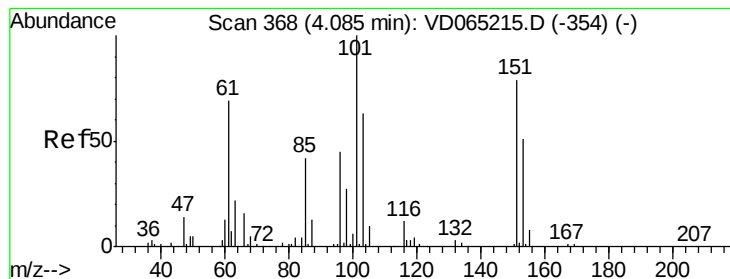


#8

Diethyl Ether
 Concen: 18.264 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Tgt Ion: 74 Resp: 41491
 Ion Ratio Lower Upper
 74 100
 45 100.7 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.551 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

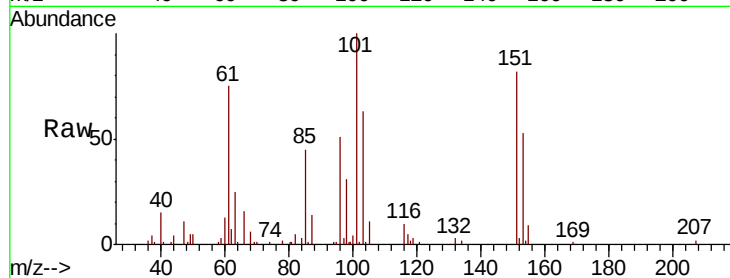
Tot Ion:101 Resp: 97671

Ion Ratio Lower Upper

101 100

85 41.7 34.2 51.2

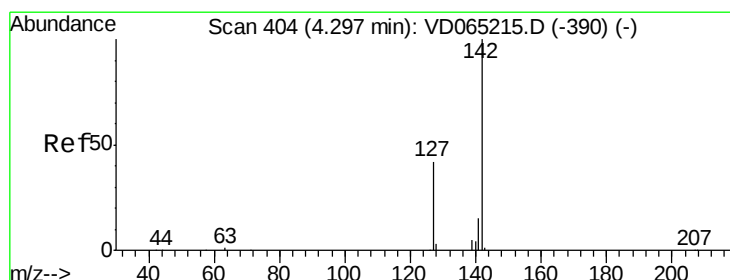
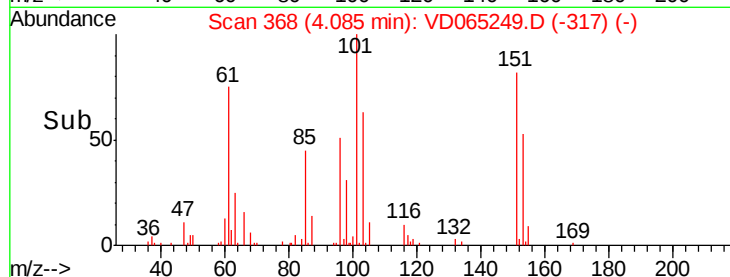
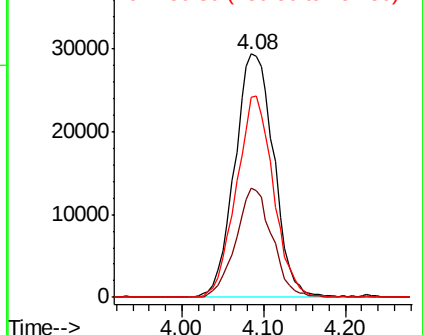
151 78.7 63.5 95.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.390 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

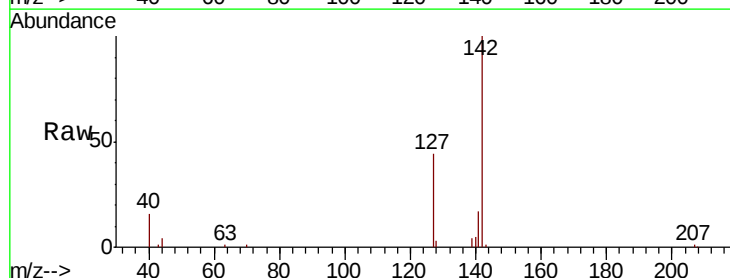
Tgt Ion:142 Resp: 95681

Ion Ratio Lower Upper

142 100

127 41.7 33.8 50.8

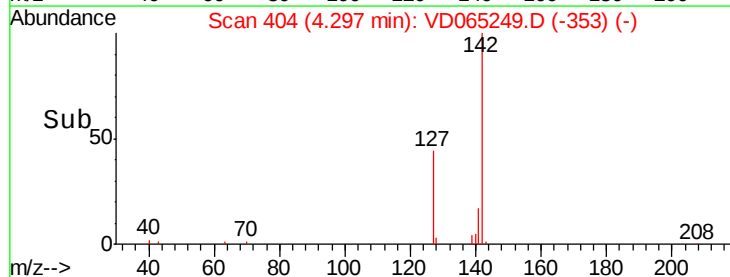
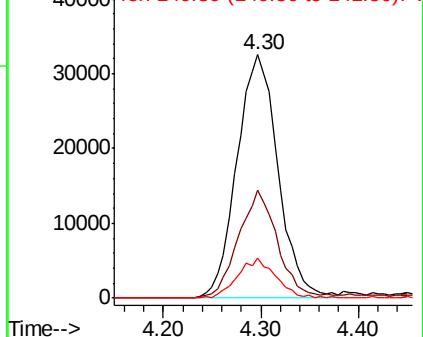
141 15.1 11.7 17.5

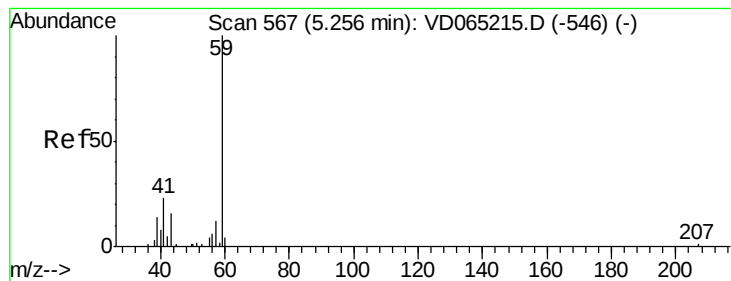


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



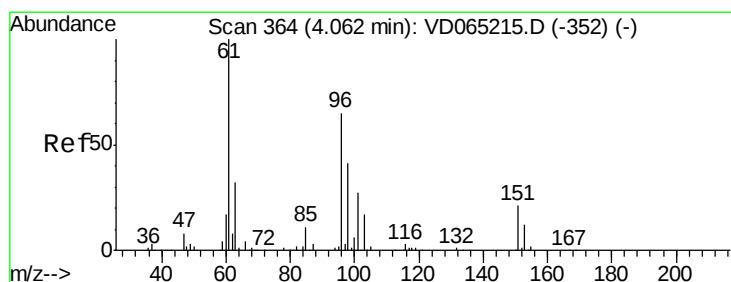
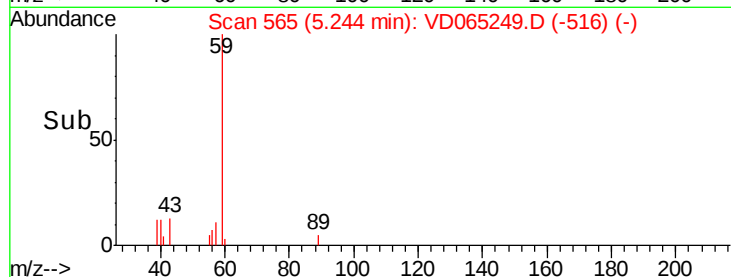
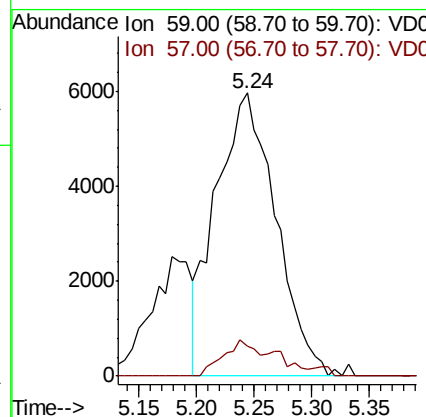
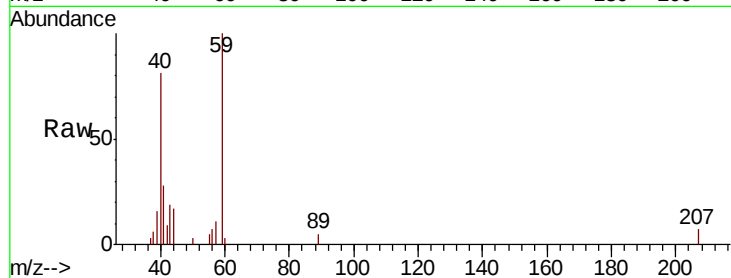


#11

Tert butyl alcohol
Concen: 82.597 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :

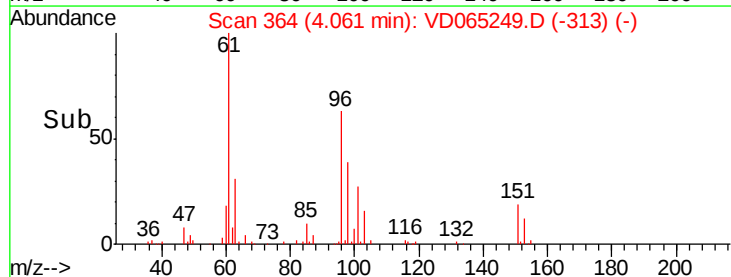
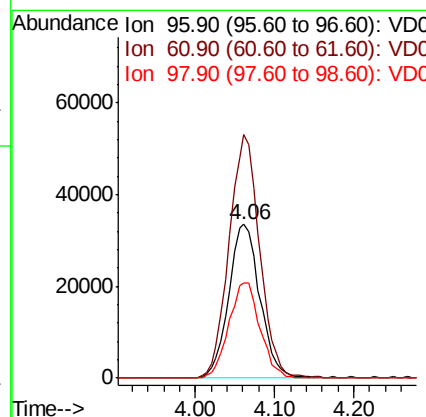
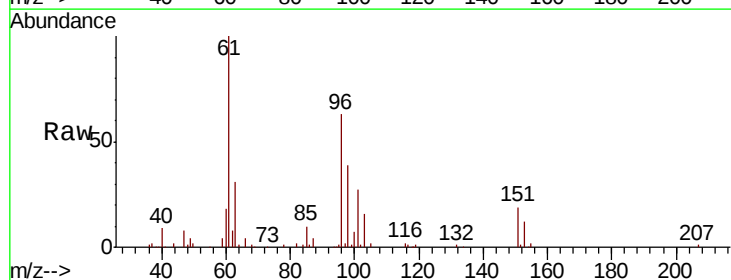
Tot Ion: 59 Resp: 21501
Ion Ratio Lower Upper
59 100
57 7.0 8.4 12.6#



#12

1,1-Dichloroethene
Concen: 20.380 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion: 96 Resp: 91496
Ion Ratio Lower Upper
96 100
61 158.7 123.3 184.9
98 62.0 51.0 76.4





#13

Acrolein

Concen: 110.369 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

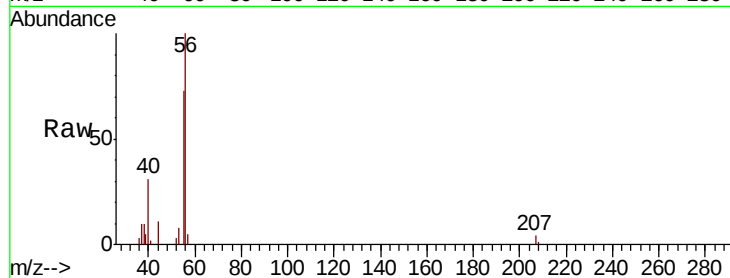
ClientSampleId :

Tot Ion: 56 Resp: 40402

Ion Ratio Lower Upper

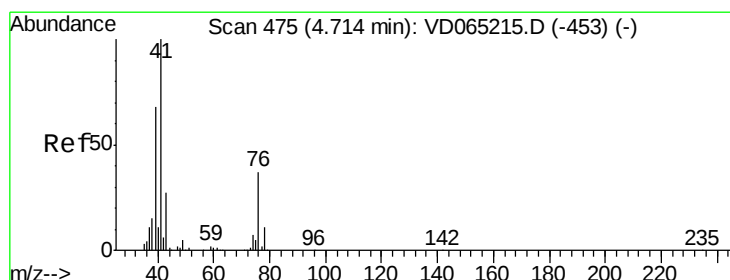
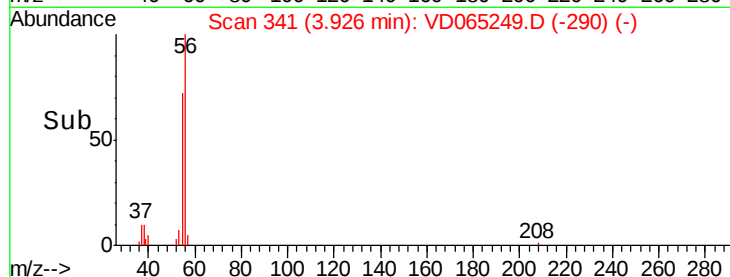
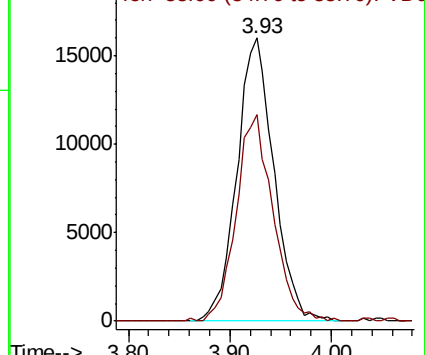
56 100

55 72.4 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.713 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

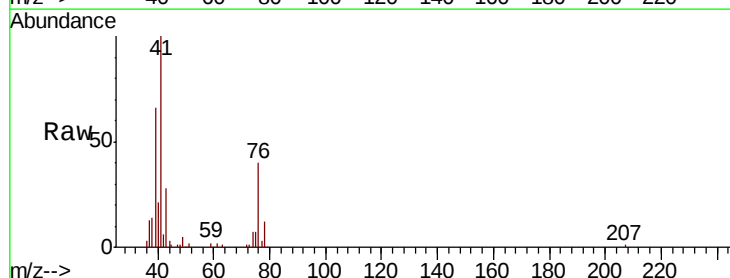
Tgt Ion: 41 Resp: 143721

Ion Ratio Lower Upper

41 100

39 64.7 53.8 80.6

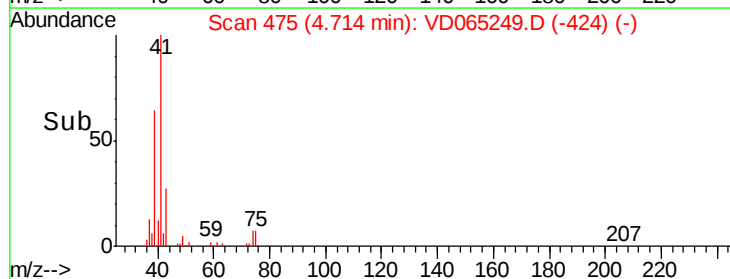
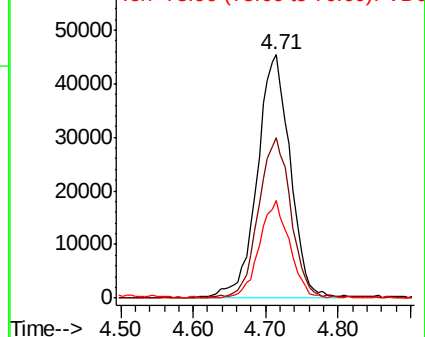
76 36.7 28.7 43.1

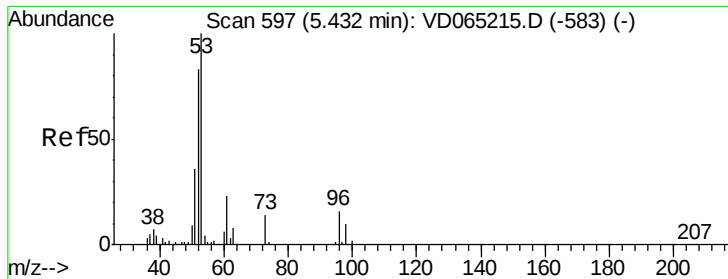


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 91.044 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

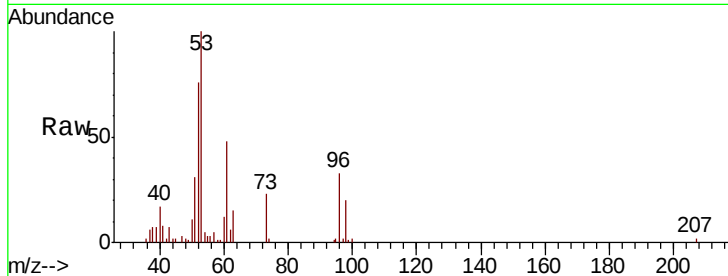
Tot Ion: 53 Resp: 91570

Ion Ratio Lower Upper

53 100

52 80.2 65.4 98.2

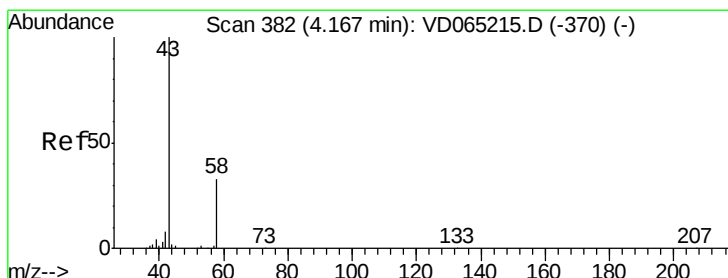
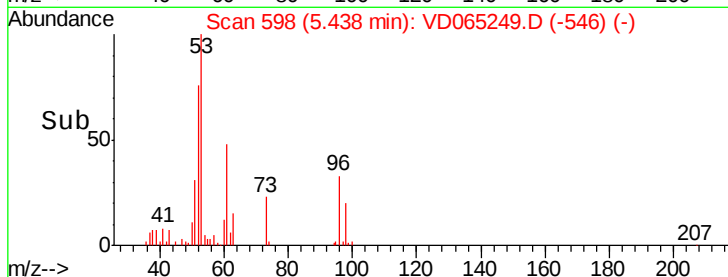
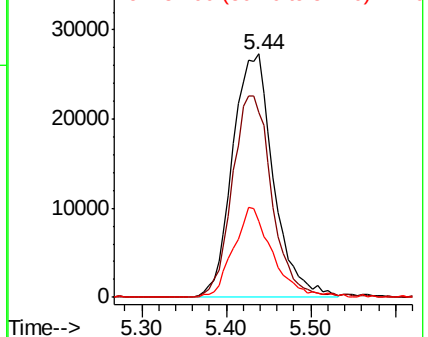
51 35.4 29.5 44.3



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: 81.005 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065249.D

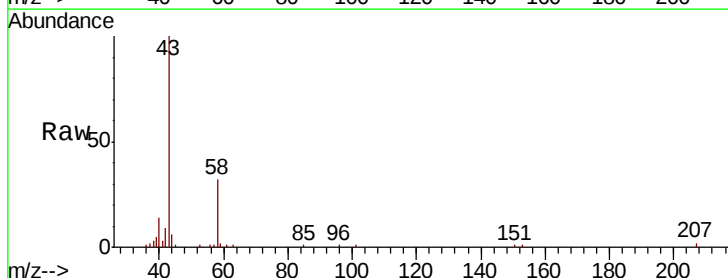
Acq: 20 Feb 2020 11:41

Tgt Ion: 43 Resp: 86260

Ion Ratio Lower Upper

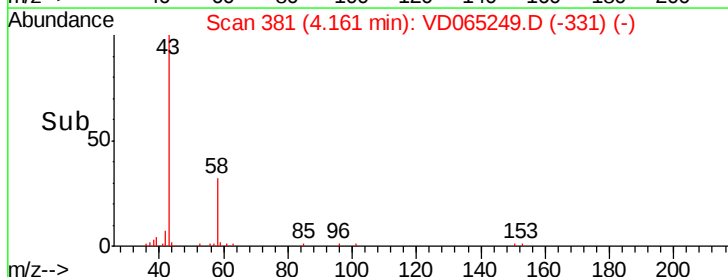
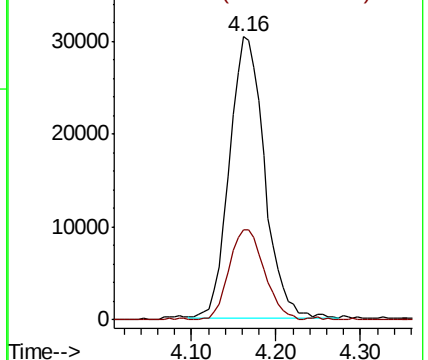
43 100

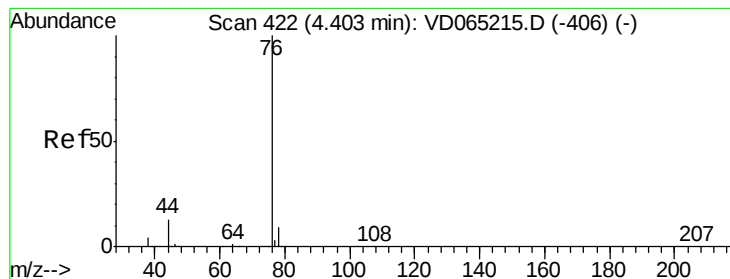
58 32.2 26.2 39.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 19.852 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

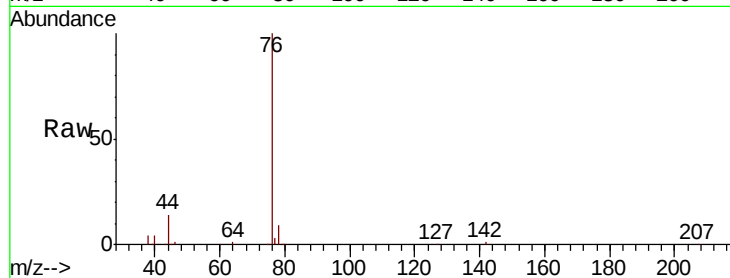
ClientSampleId :

Tot Ion: 76 Resp: 298807

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

120000

100000

80000

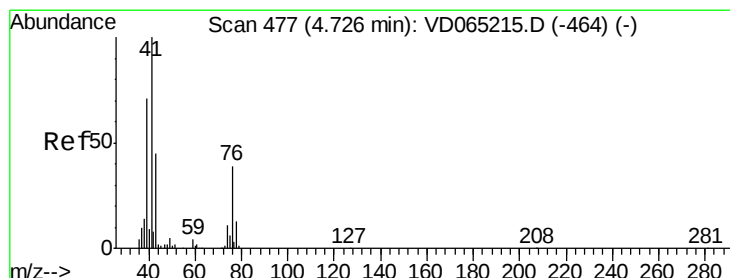
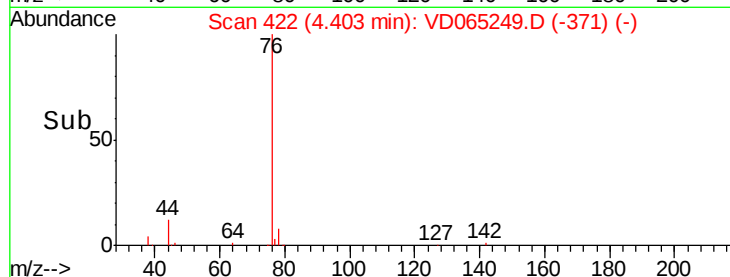
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 18.432 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065249.D

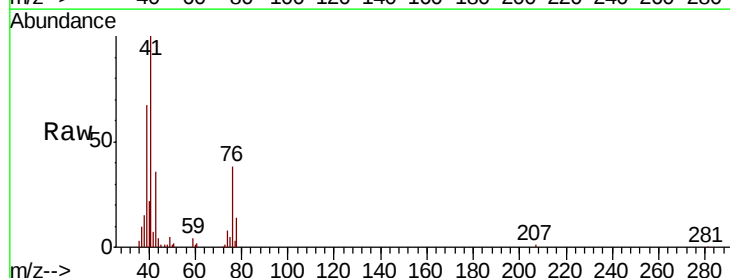
Acq: 20 Feb 2020 11:41

Tgt Ion: 43 Resp: 44145

Ion Ratio Lower Upper

43 100

74 22.0 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

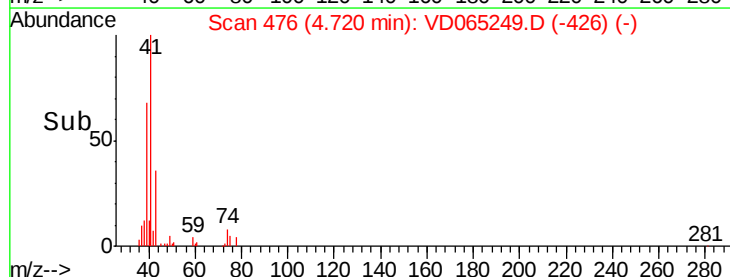
15000

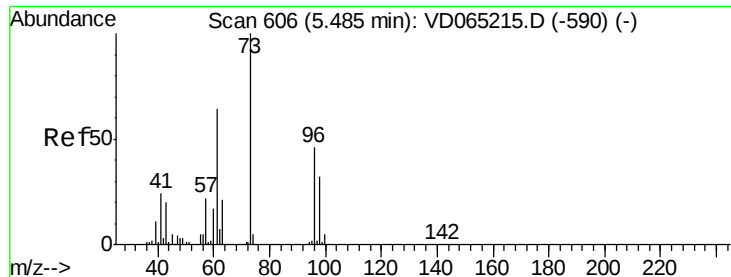
10000

5000

0

Time-->



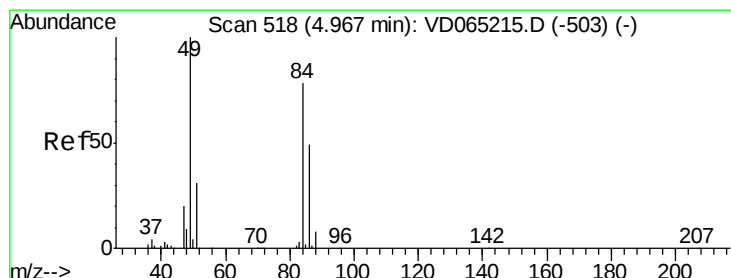
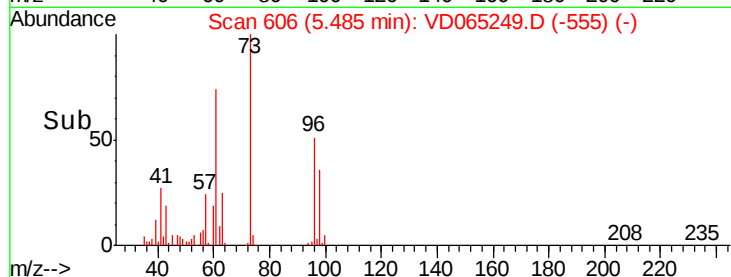
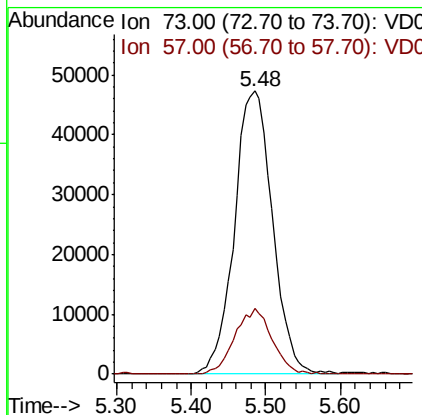
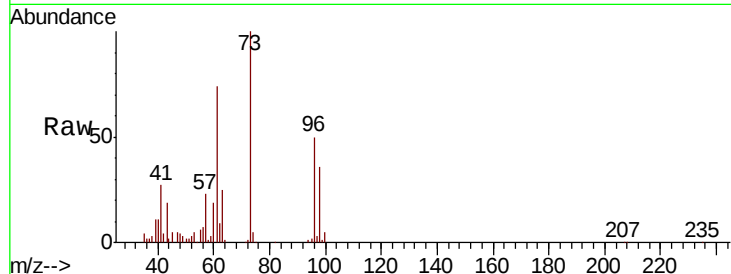


#19

Methyl tert-butyl Ether
 Concen: 17.912 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleID :

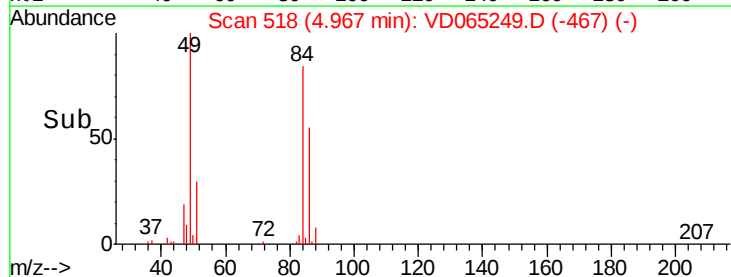
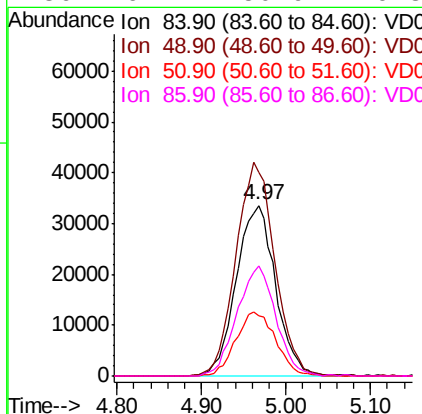
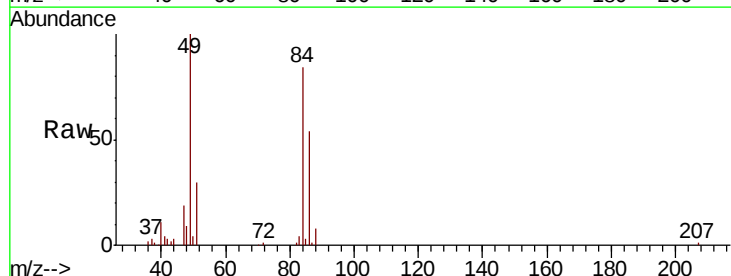
Tot Ion: 73 Resp: 167696
 Ion Ratio Lower Upper
 73 100
 57 23.4 17.3 25.9

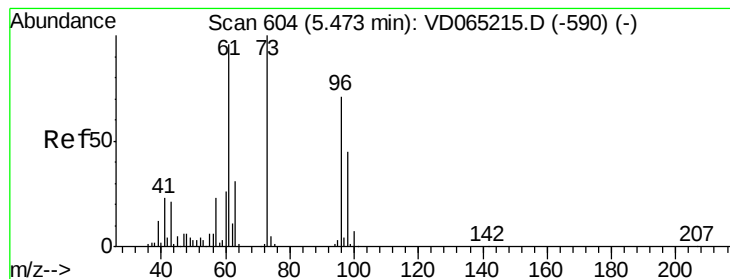


#20

Methylene Chloride
 Concen: 20.136 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Tgt Ion: 84 Resp: 108508
 Ion Ratio Lower Upper
 84 100
 49 119.1 103.1 154.7
 51 35.4 31.7 47.5
 86 64.7 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 19.943 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

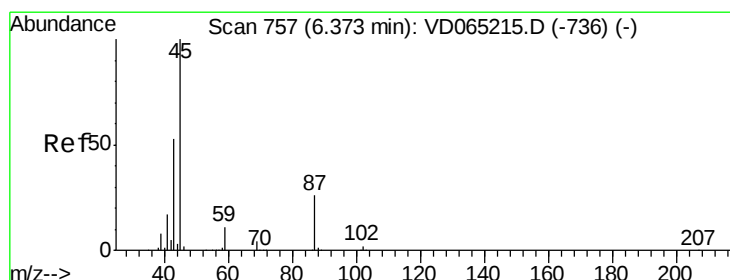
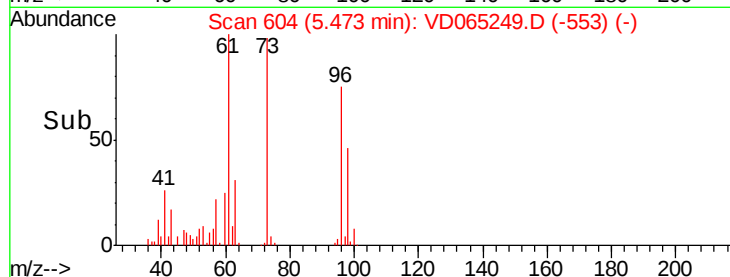
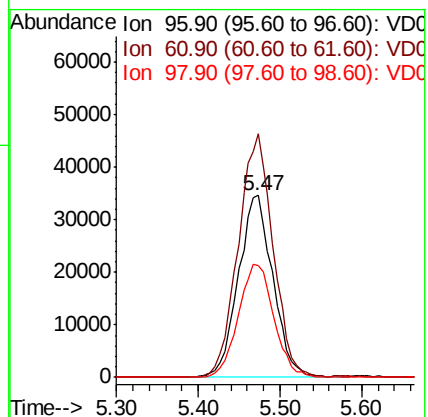
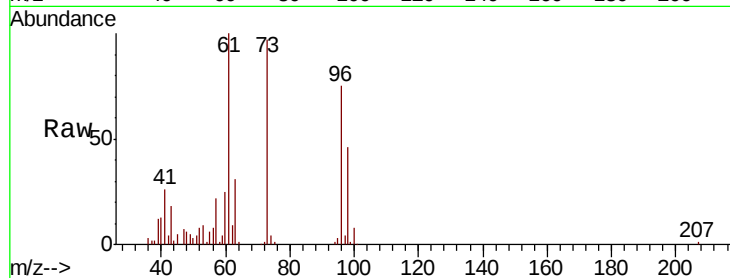
Tot Ion: 96 Resp: 101785

Ion Ratio Lower Upper

96 100

61 133.7 108.3 162.5

98 61.1 50.7 76.1



#22

Diisopropyl ether

Concen: 19.563 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Tgt Ion: 45 Resp: 274960

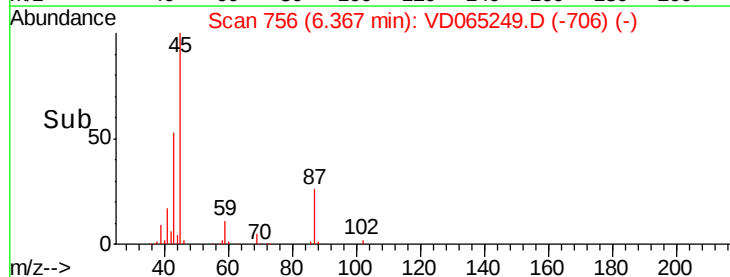
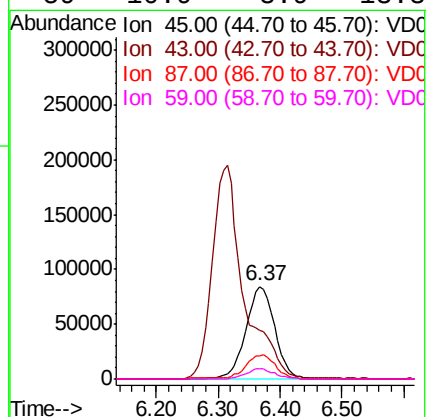
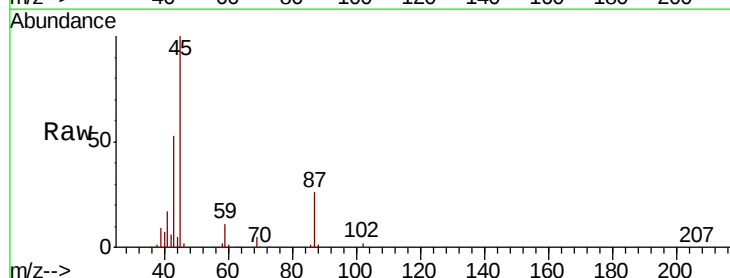
Ion Ratio Lower Upper

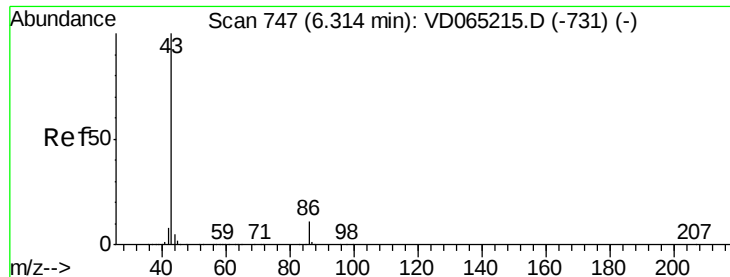
45 100

43 51.8 42.6 64.0

87 25.6 21.2 31.8

59 10.9 8.9 13.3





#23

Vinyl Acetate

Concen: 88.307 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

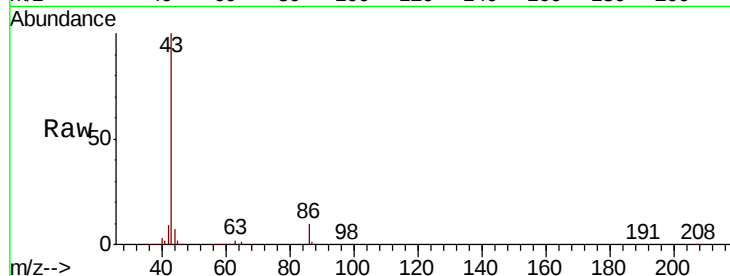
ClientSampled :

Tot Ion: 43 Resp: 684234

Ion Ratio Lower Upper

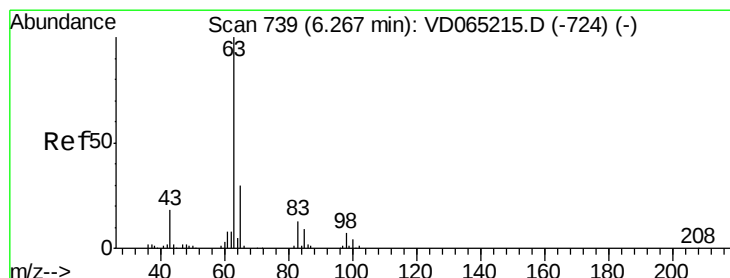
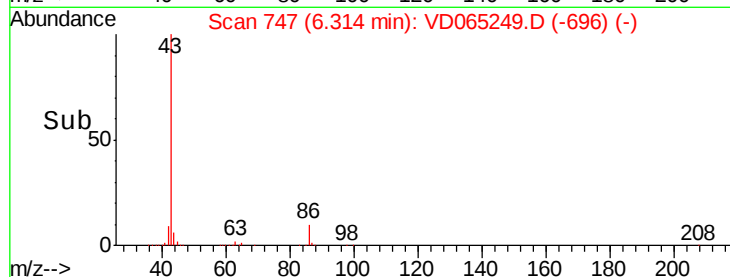
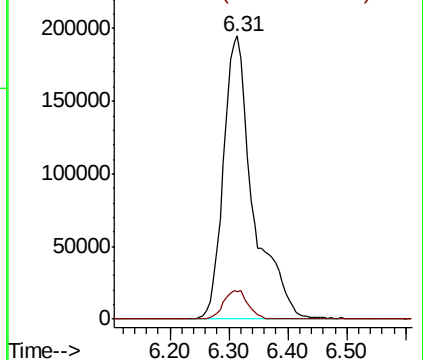
43 100

86 9.7 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.776 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

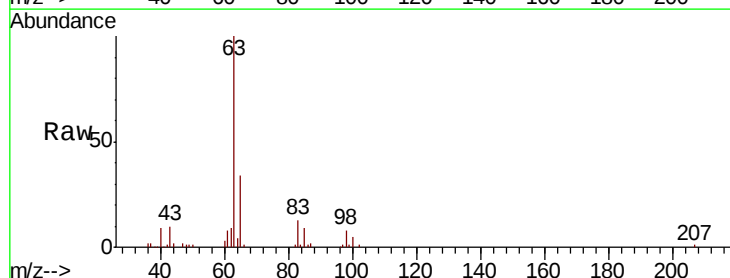
Tgt Ion: 63 Resp: 172402

Ion Ratio Lower Upper

63 100

98 7.6 3.4 10.1

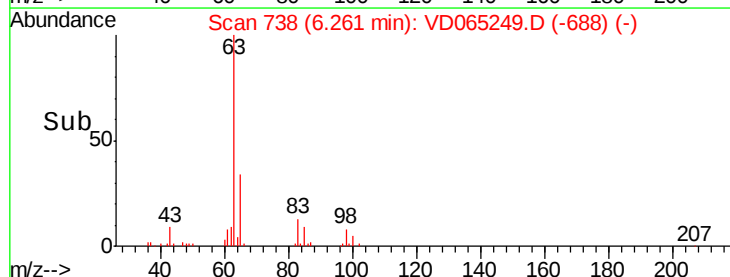
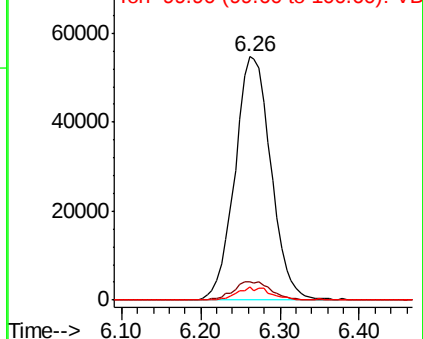
100 5.5 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

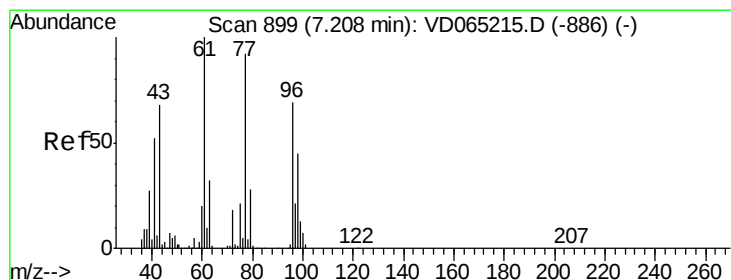
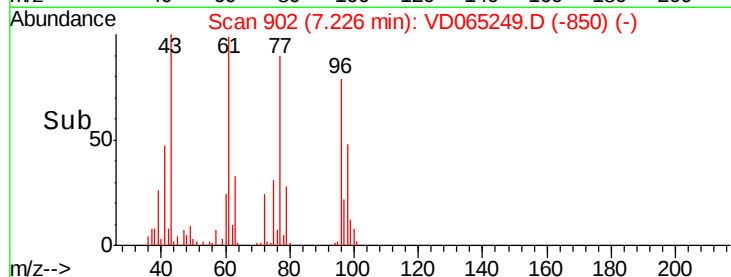
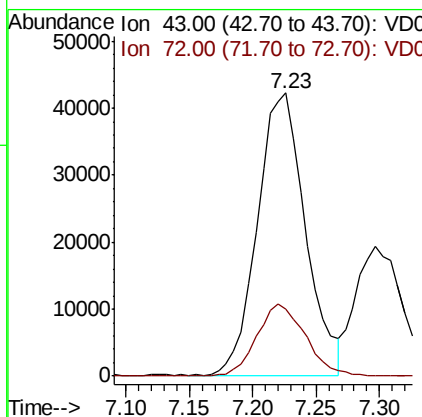
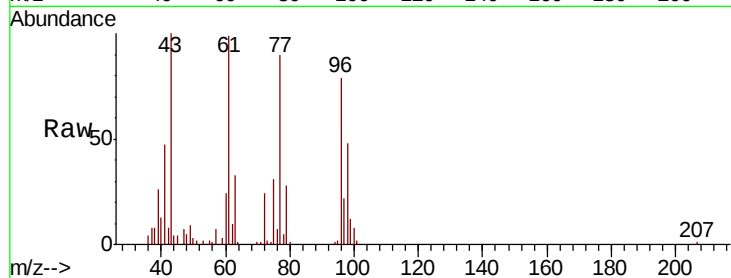




#25
2-Butanone
Concen: 83.126 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

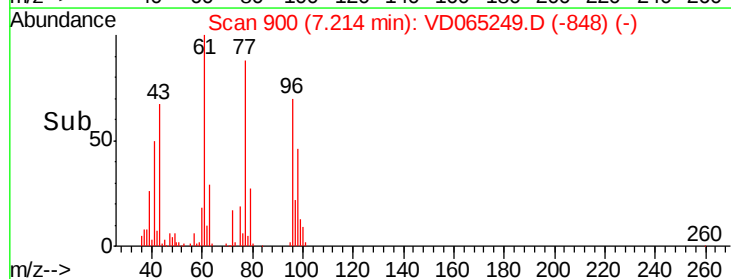
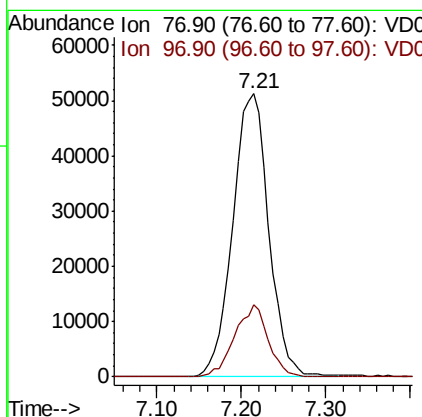
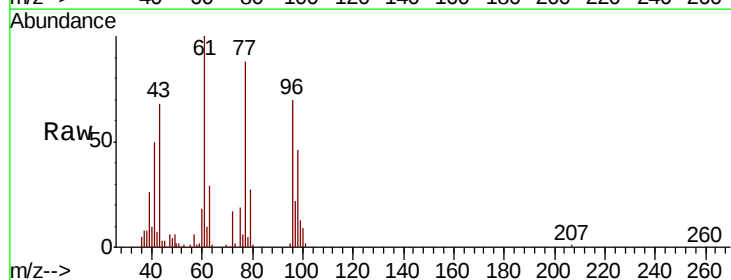
Instrument :
MSVOA_D
ClientSampleId :

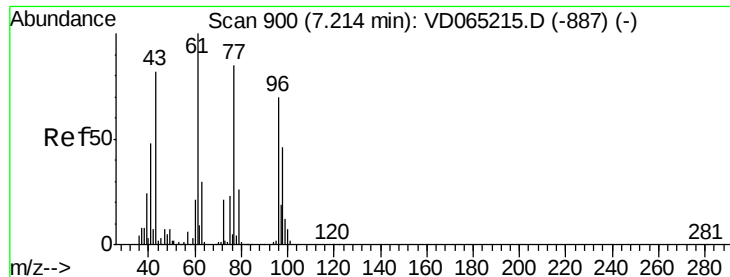
Tot Ion: 43 Resp: 111996
Ion Ratio Lower Upper
43 100
72 23.7 20.9 31.3



#26
2,2-Dichloropropane
Concen: 19.960 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion: 77 Resp: 150971
Ion Ratio Lower Upper
77 100
97 23.7 11.7 35.1



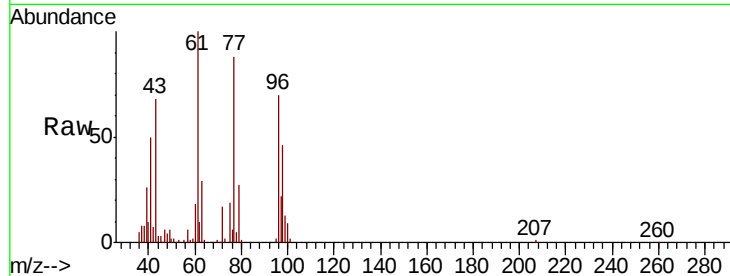


#27

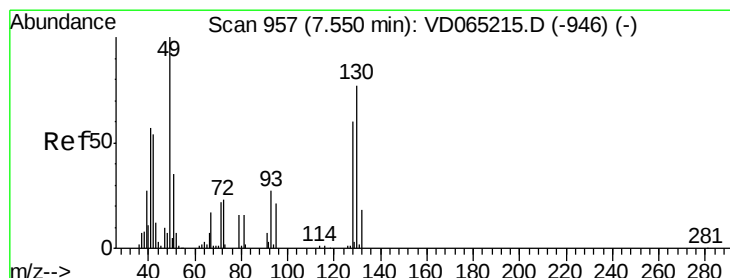
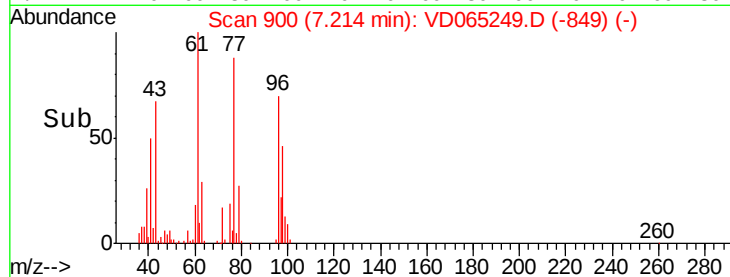
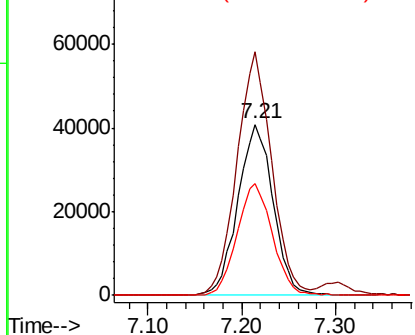
cis-1,2-Dichloroethene
Concen: 19.652 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	96	Resp	106242
Ion Ratio	Lower	Upper	
96	100		
61	140.1	0.0	286.0
98	65.2	0.0	127.8



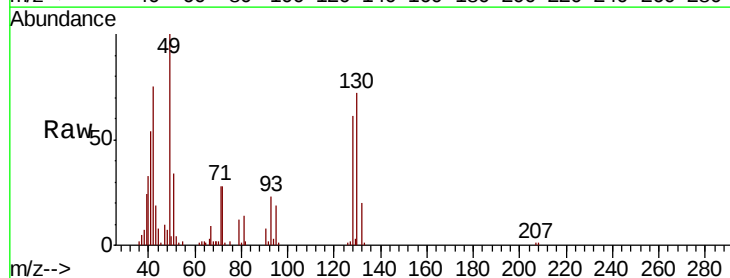
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



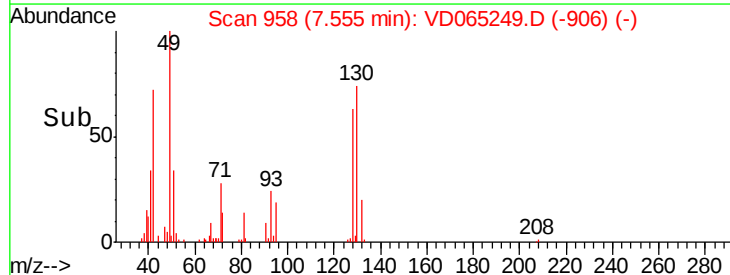
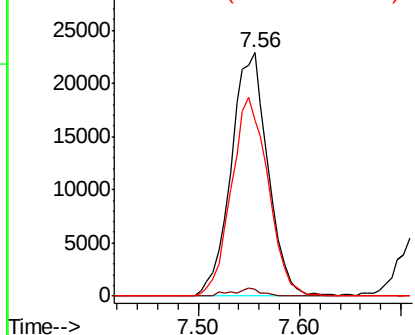
#28

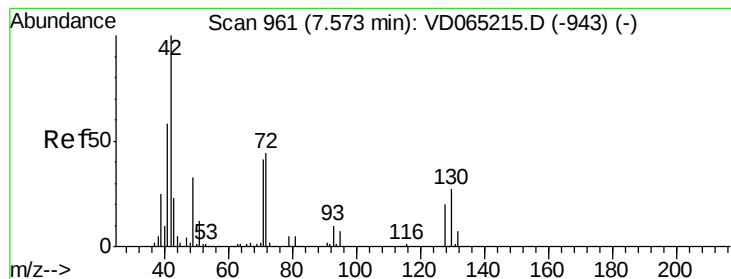
Bromochloromethane
Concen: 17.819 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion	49	Resp	57632
Ion Ratio	Lower	Upper	
49	100		
129	2.5	0.0	4.6
130	81.8	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: 86.770 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

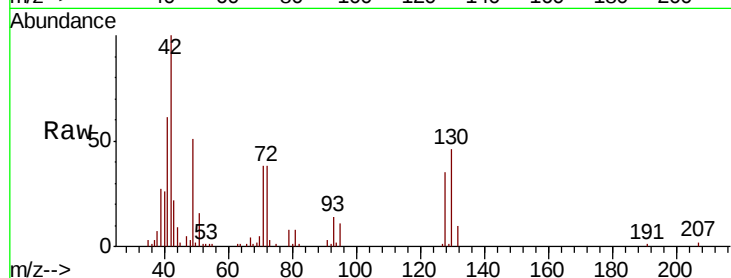
Tot Ion: 42 Resp: 68497

Ion Ratio Lower Upper

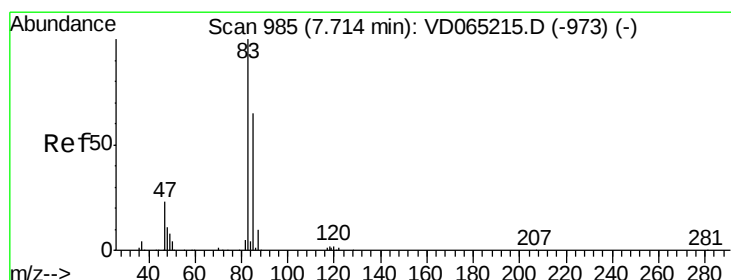
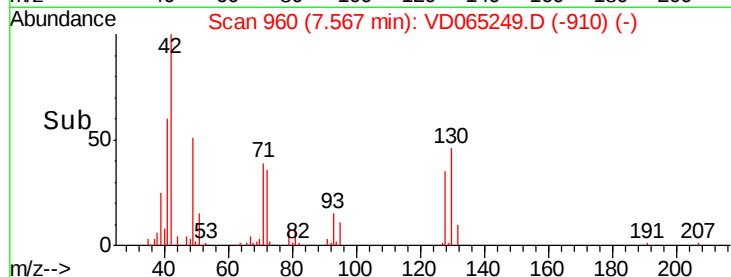
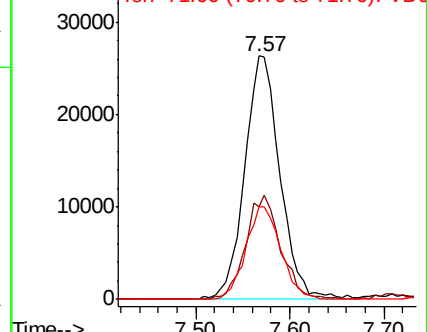
42 100

72 42.2 33.7 50.5

71 37.7 31.4 47.2



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



#30

Chloroform

Concen: 20.050 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065249.D

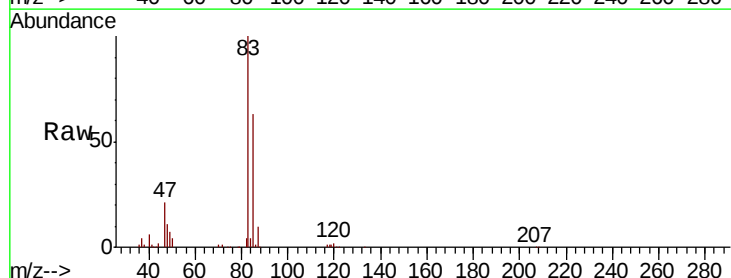
Acq: 20 Feb 2020 11:41

Tgt Ion: 83 Resp: 176091

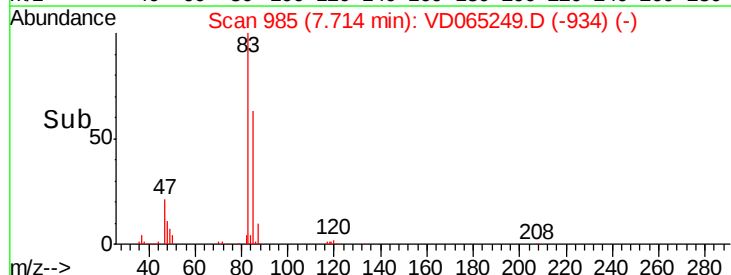
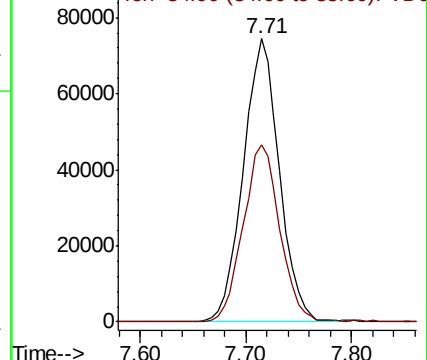
Ion Ratio Lower Upper

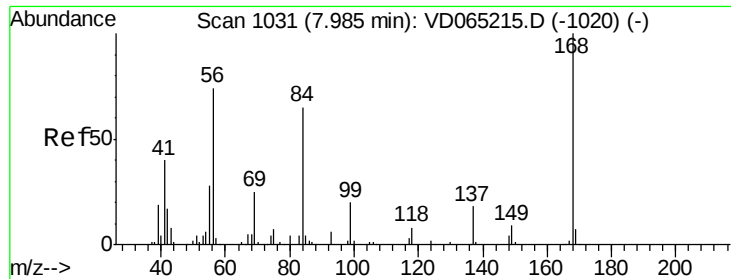
83 100

85 62.7 52.3 78.5



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

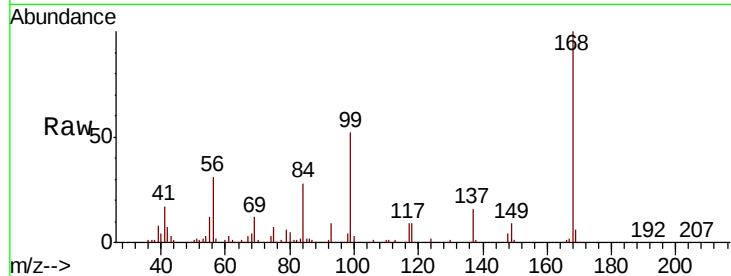




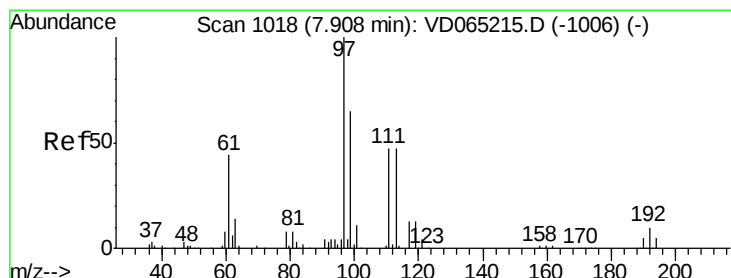
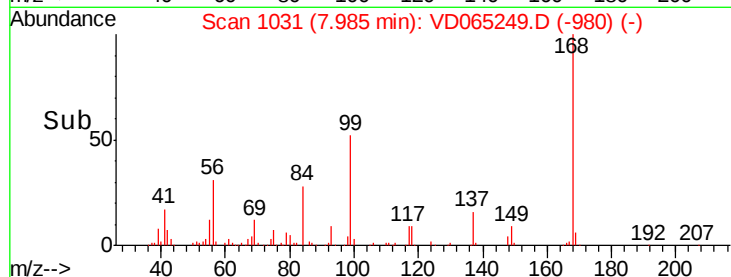
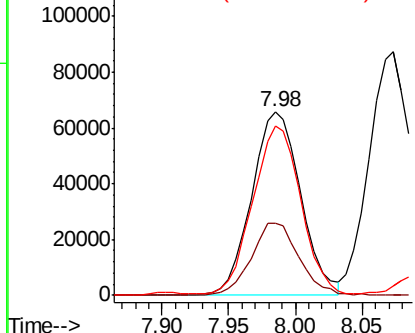
#31
Cyclohexane
Concen: 19.571 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 167633
Ion Ratio Lower Upper
56 100
69 39.0 27.4 41.0
84 90.7 71.1 106.7

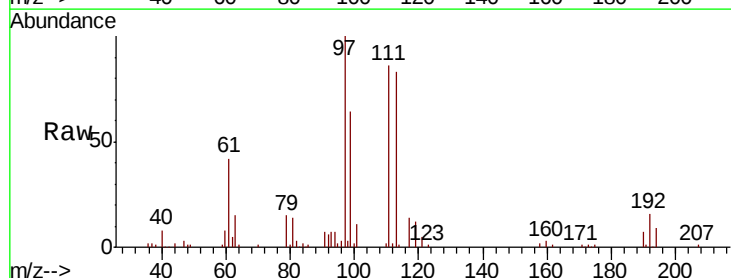


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

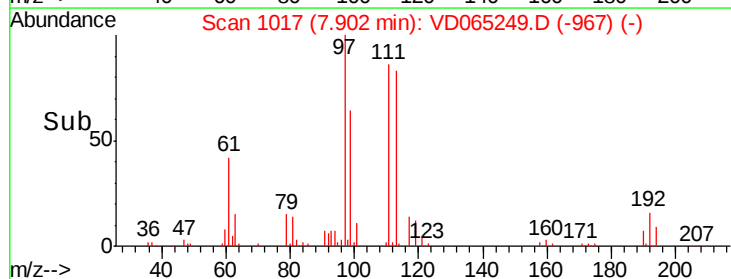
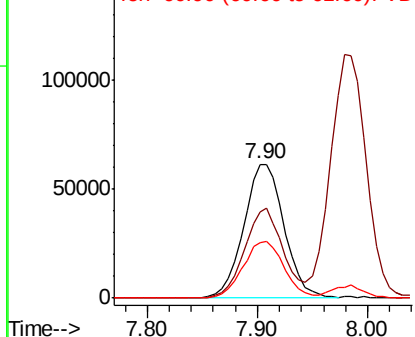


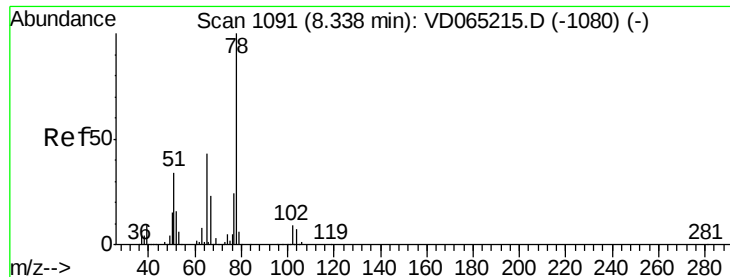
#32
1,1,1-Trichloroethane
Concen: 19.997 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion: 97 Resp: 157140
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.2
61 43.4 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

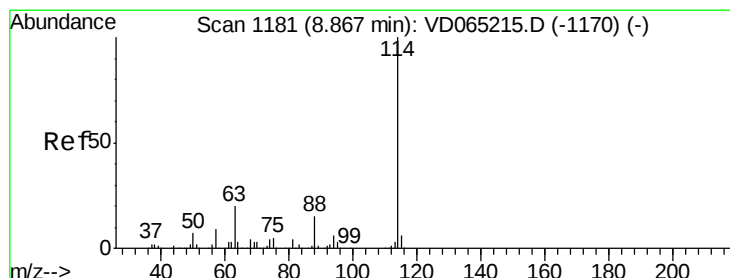
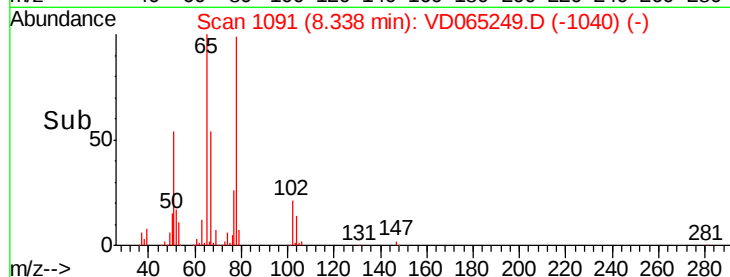
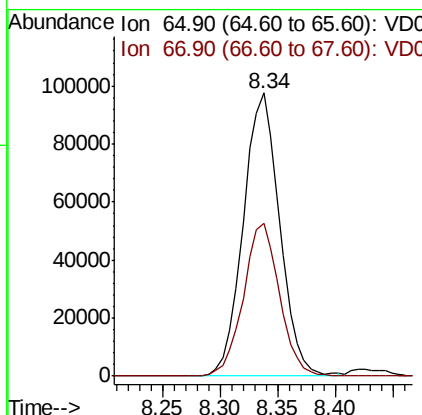
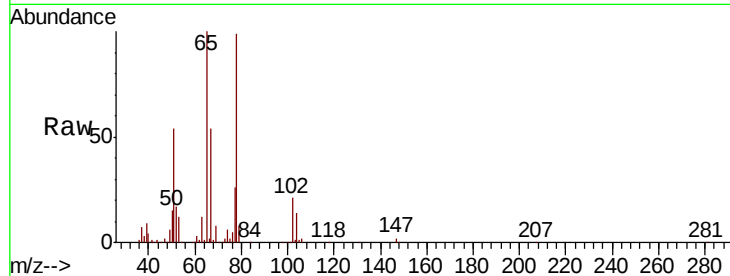




#33
 1,2-Dichloroethane-d4
 Concen: 49.123 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

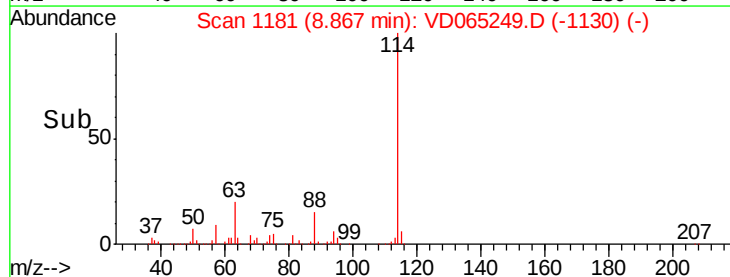
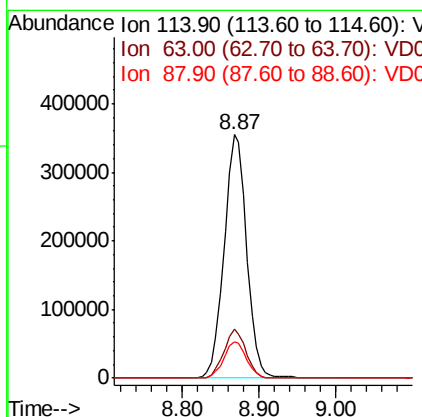
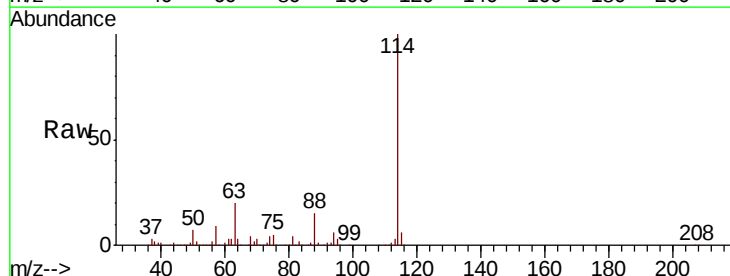
Instrument :
 MSVOA_D
 ClientSampled :

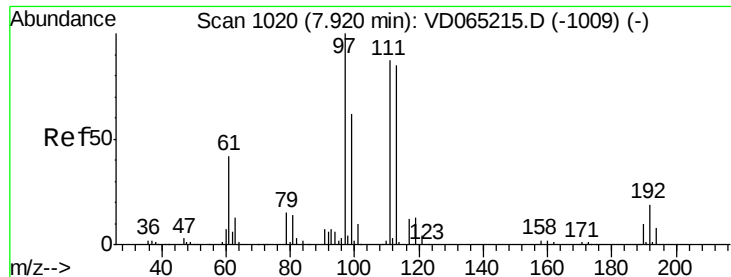
Tot Ion: 65 Resp: 213990
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Tgt Ion: 114 Resp: 722439
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.4
 88 14.8 0.0 30.4

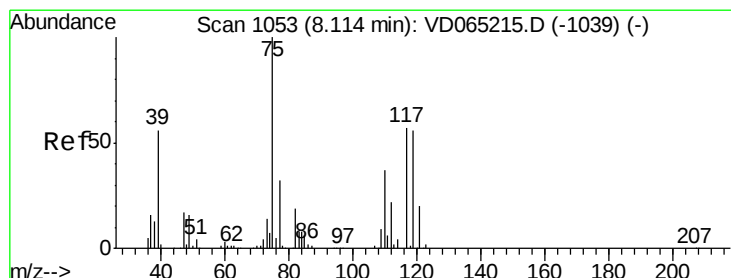
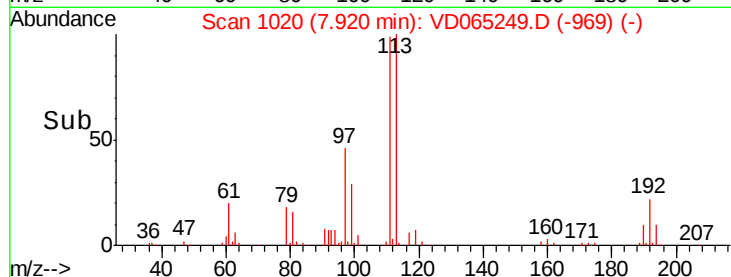
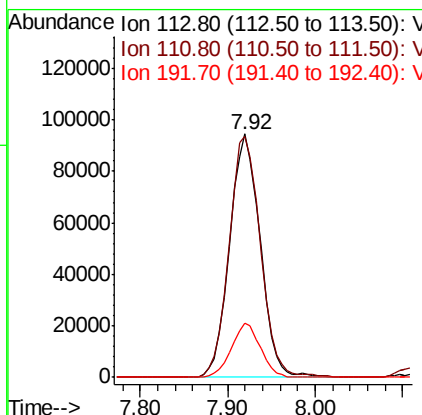
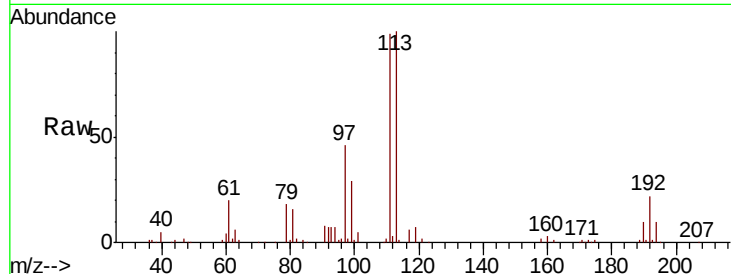




#35
 Dibromofluoromethane
 Concen: 50.813 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

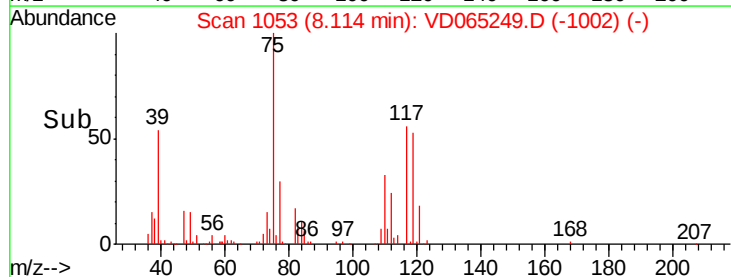
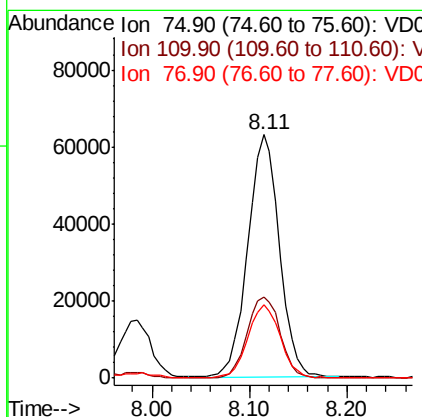
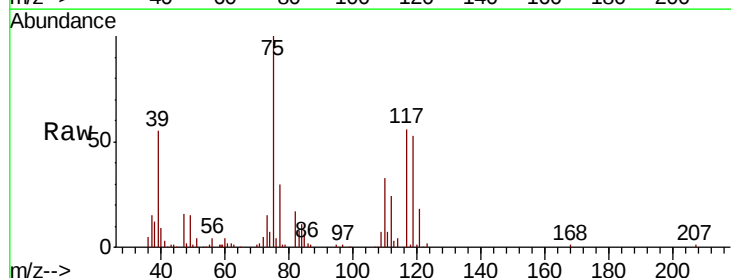
Instrument :
 MSVOA_D
 ClientSampleId :

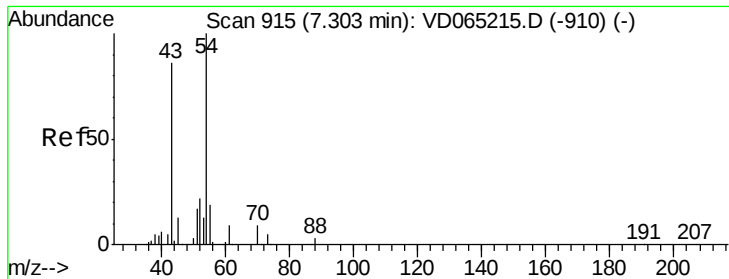
Tot Ion:113 Resp: 223832
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.9 124.3
 192 21.0 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 20.275 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Tgt Ion: 75 Resp: 142521
 Ion Ratio Lower Upper
 75 100
 110 35.1 17.9 53.7
 77 31.3 25.1 37.7

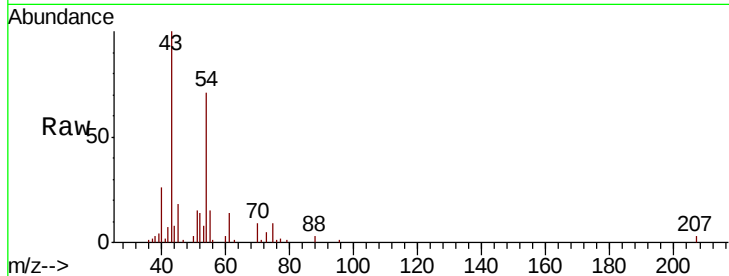




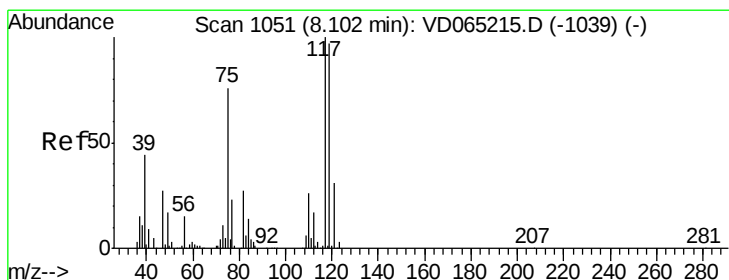
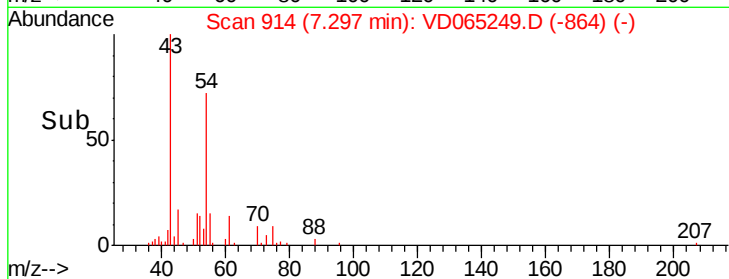
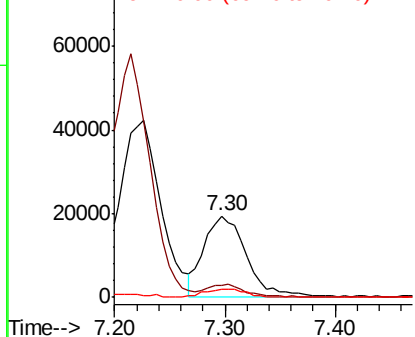
#37
Ethyl Acetate
Concen: 17.572 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 51638
Ion Ratio Lower Upper
43 100
61 15.1 11.2 16.8
70 10.1 8.2 12.2

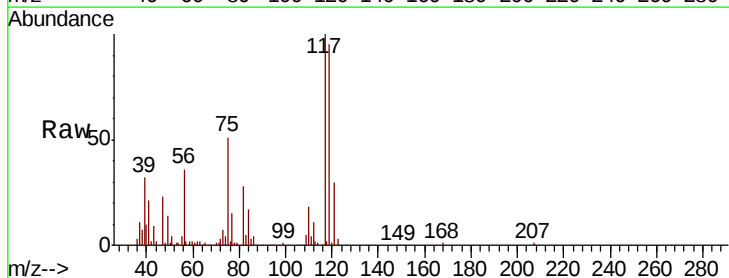


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

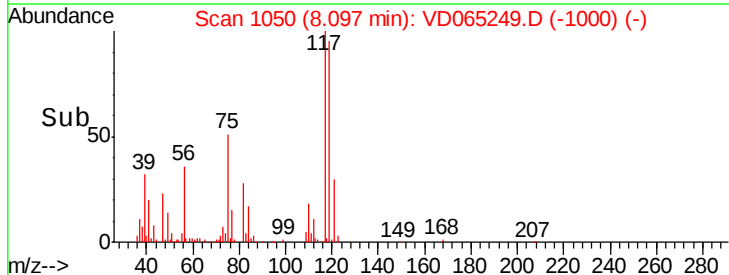
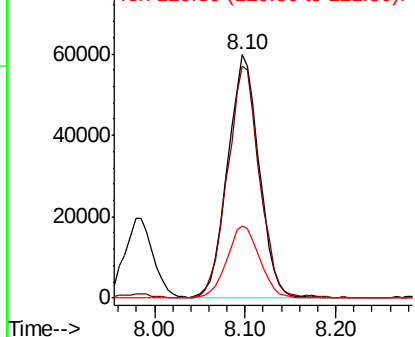


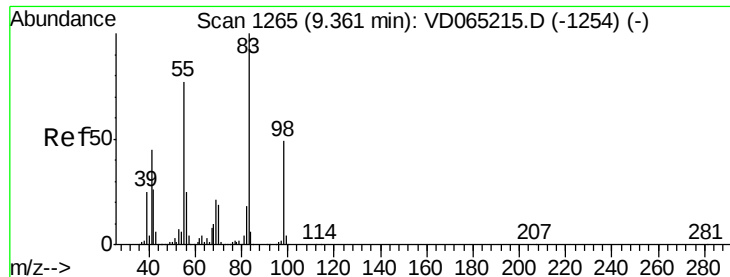
#38
Carbon Tetrachloride
Concen: 20.213 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion: 117 Resp: 144640
Ion Ratio Lower Upper
117 100
119 95.1 77.6 116.4
121 29.8 24.8 37.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

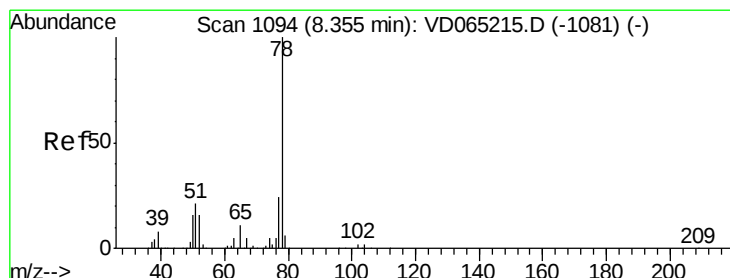
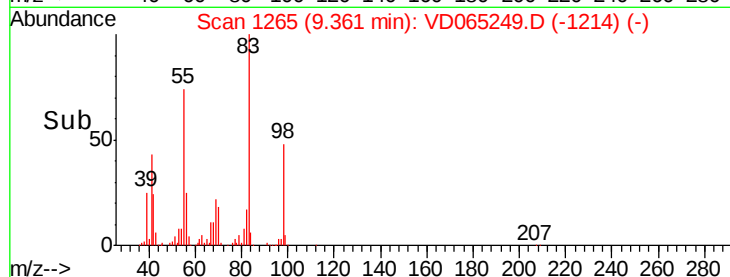
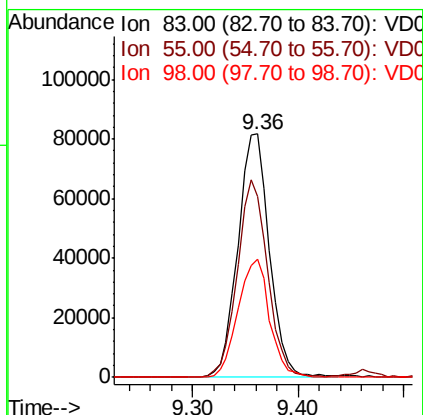
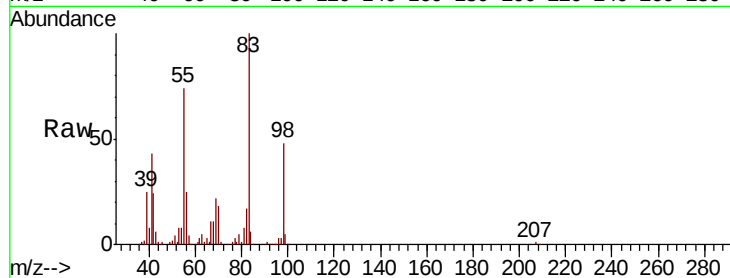




#39
Methvlcvclohexane
Concen: 20.410 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

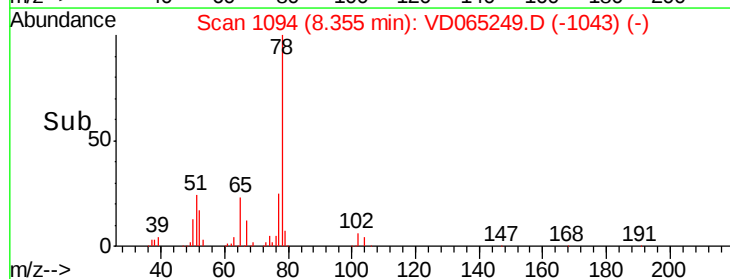
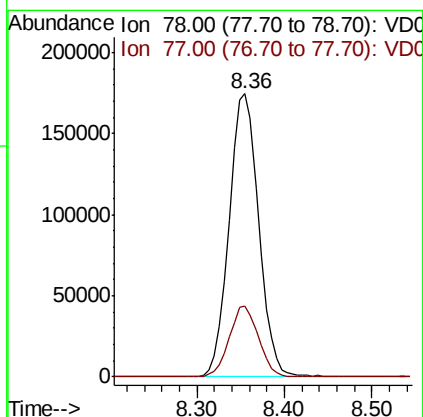
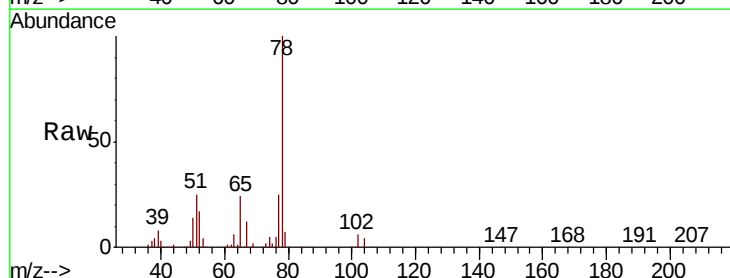
Instrument :
MSVOA_D
ClientSampled :

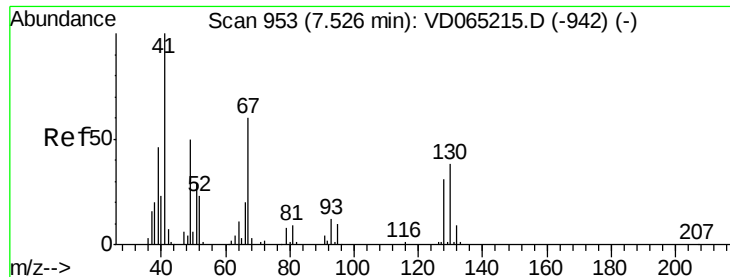
Tot Ion: 83 Resp: 168668
Ion Ratio Lower Upper
83 100
55 74.3 61.8 92.6
98 48.3 39.4 59.0



#40
Benzene
Concen: 20.208 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion: 78 Resp: 400945
Ion Ratio Lower Upper
78 100
77 25.1 19.0 28.6

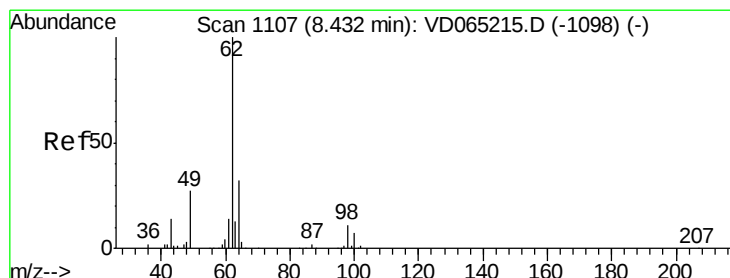
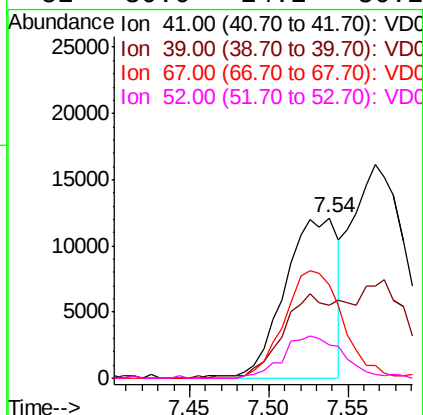
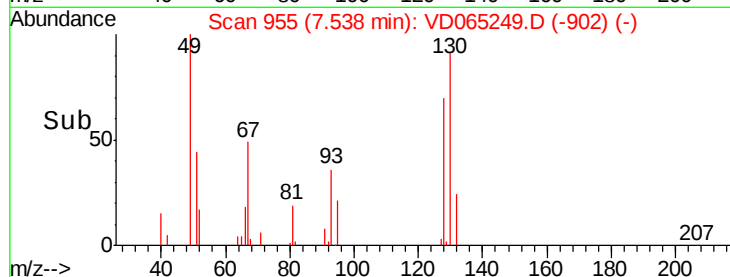
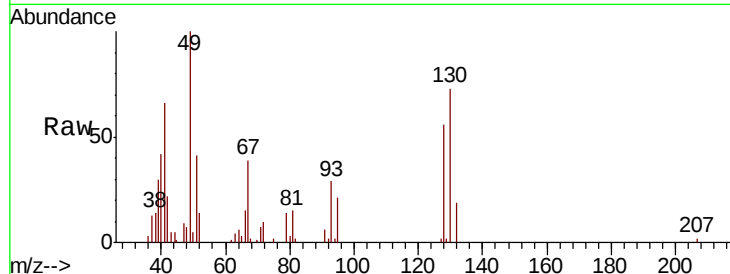




#41
Methacrylonitrile
Concen: 16.702 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

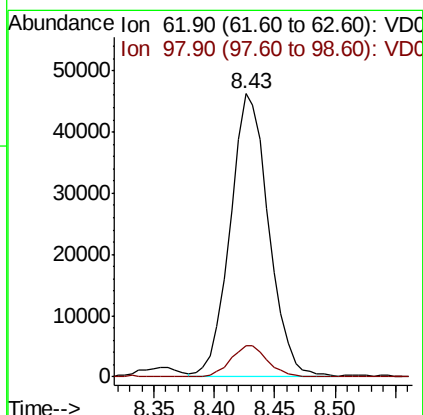
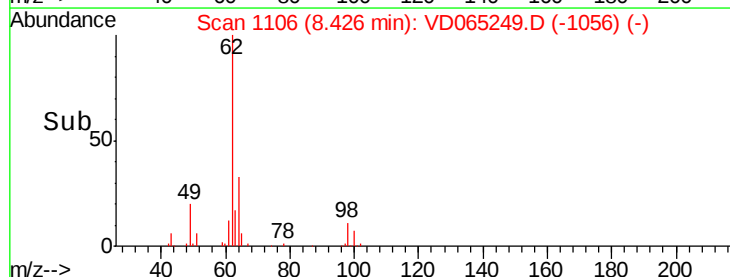
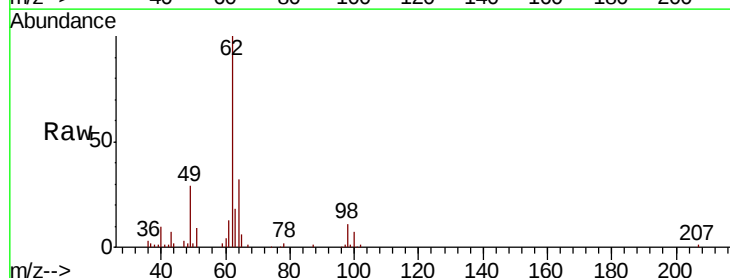
Instrument :
MSVOA_D
ClientSampled :

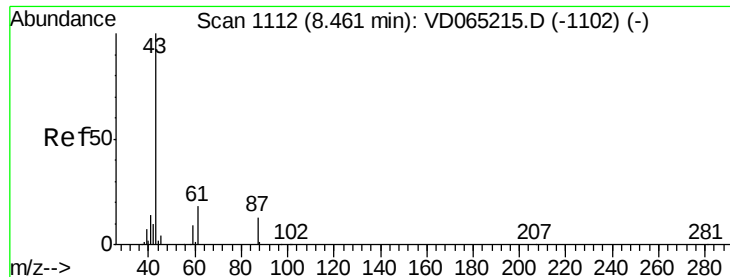
Tot Ion	Ratio	Lower	Upper
41	100		
39	45.6	48.1	72.1#
67	73.9	58.9	88.3
52	30.0	24.2	36.2



#42
1,2-Dichloroethane
Concen: 18.845 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6





#43

Isopropyl Acetate

Concen: 17.367 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampled :

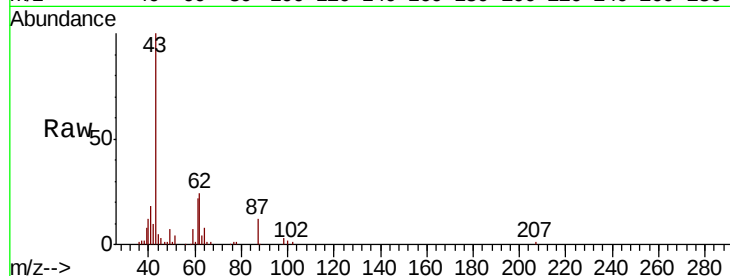
Tot Ion: 43 Resp: 92807

Ion Ratio Lower Upper

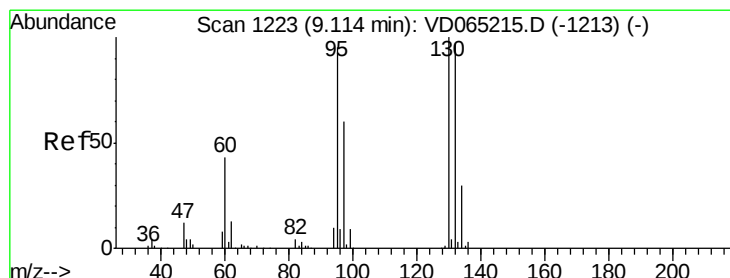
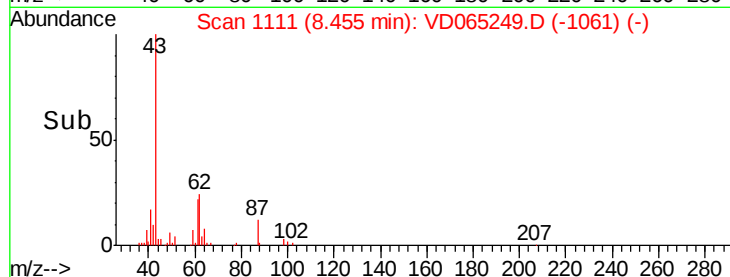
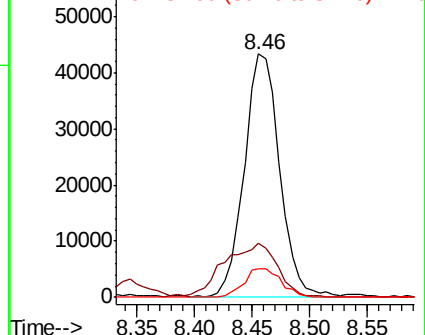
43 100

61 33.0 24.6 36.8

87 12.2 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: 20.736 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065249.D

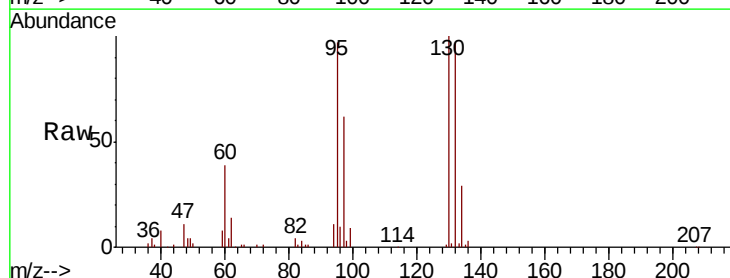
Acq: 20 Feb 2020 11:41

Tgt Ion:130 Resp: 114045

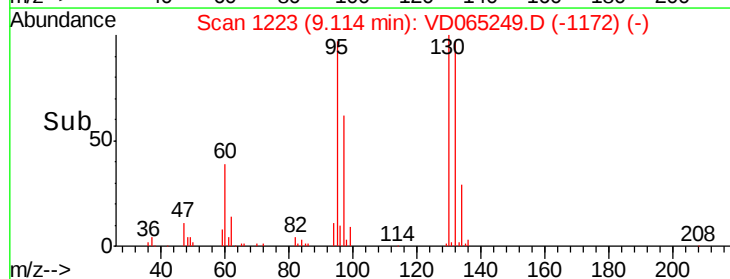
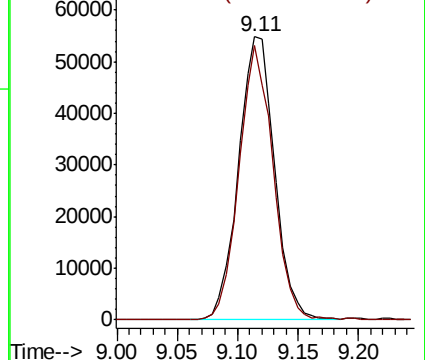
Ion Ratio Lower Upper

130 100

95 96.8 0.0 190.6



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

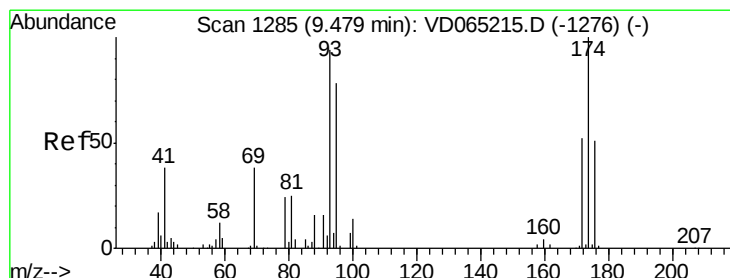
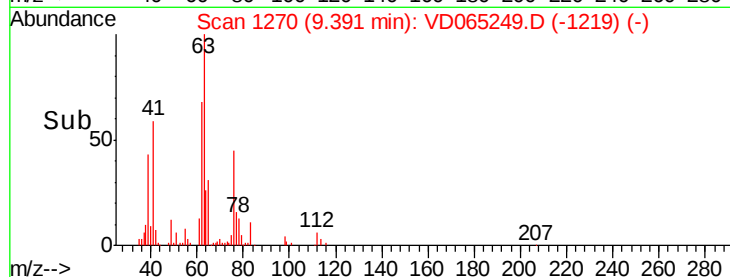
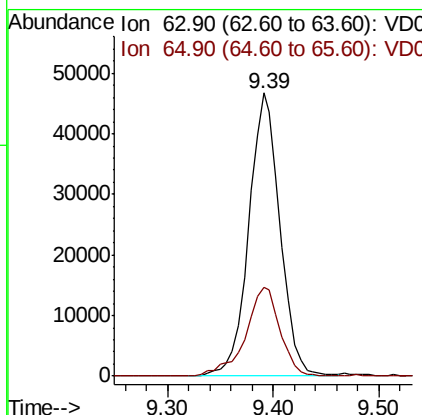
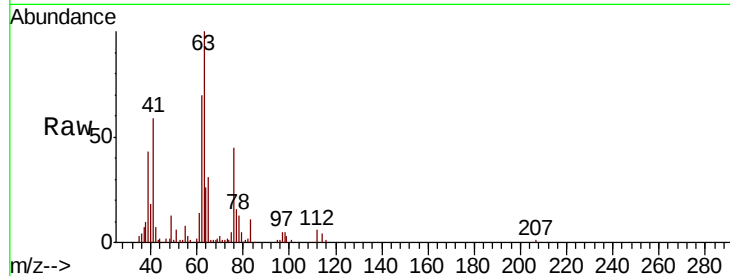




#45
 1,2-Dichloropropane
 Concen: 19.438 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

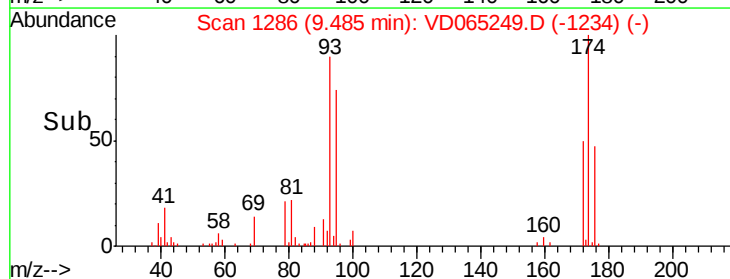
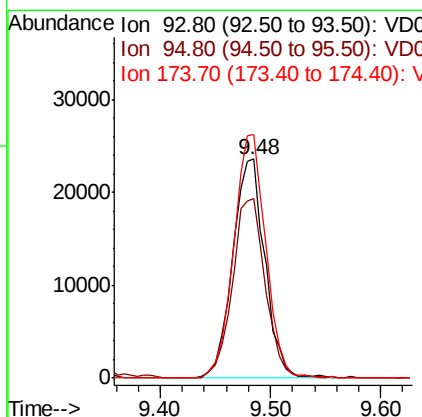
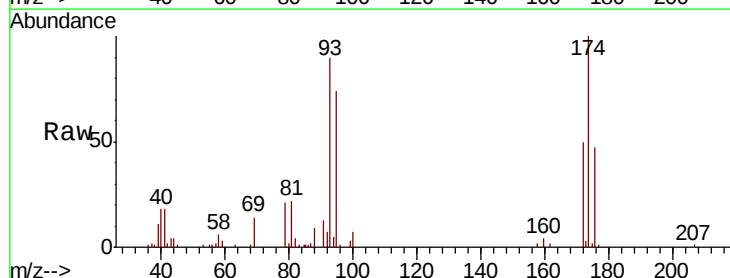
Instrument :
 MSVOA_D
 ClientSampled :

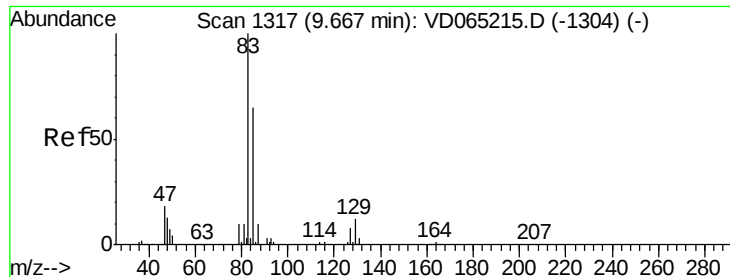
Tot Ion: 63 Resp: 95900
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.9 37.3



#46
 Dibromomethane
 Concen: 19.134 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Tgt Ion: 93 Resp: 48570
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.8 98.6
 174 109.7 86.8 130.2





#47

Bromodichloromethane

Concen: 19.515 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

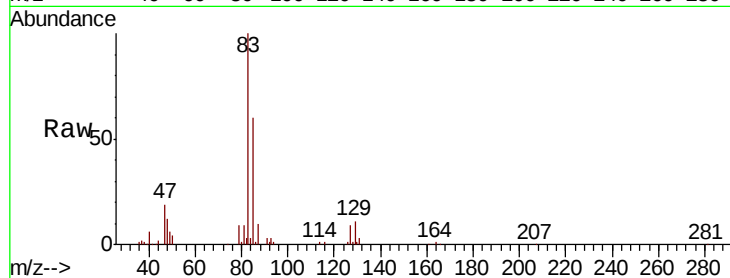
Tot Ion: 83 Resp: 130547

Ion Ratio Lower Upper

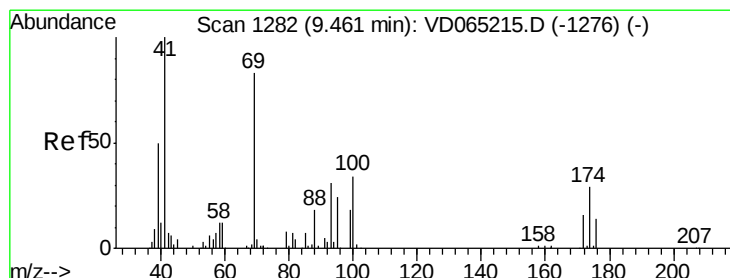
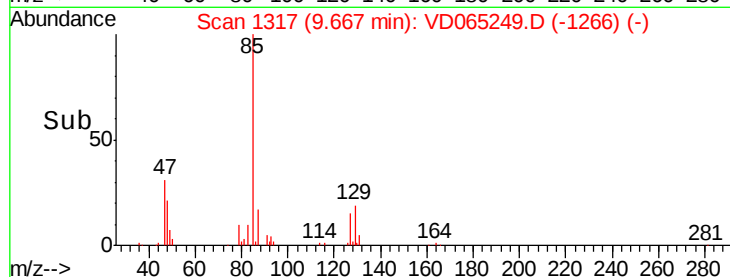
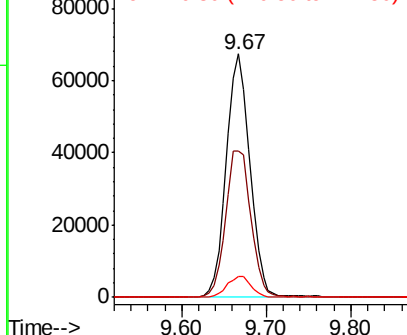
83 100

85 59.9 52.0 78.0

127 8.8 6.7 10.1



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



#48

Methyl methacrylate

Concen: 19.864 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

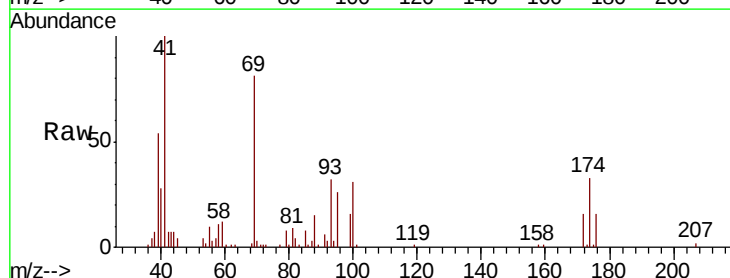
Tgt Ion: 41 Resp: 49066

Ion Ratio Lower Upper

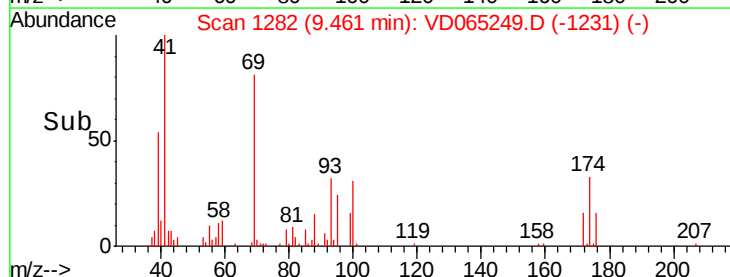
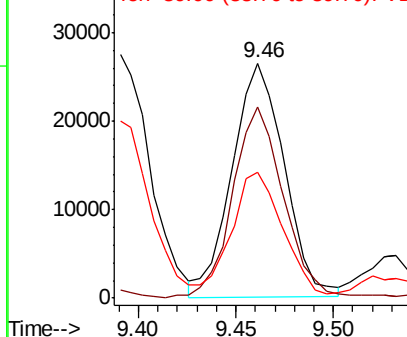
41 100

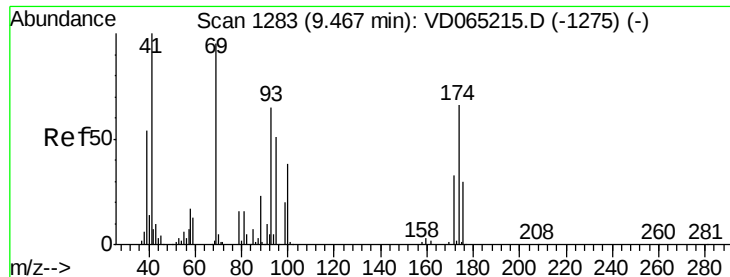
69 80.4 68.2 102.2

39 50.1 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

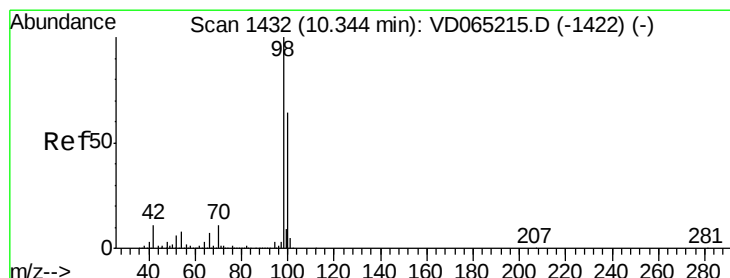
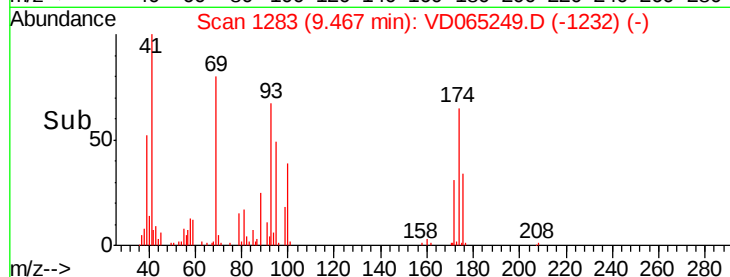
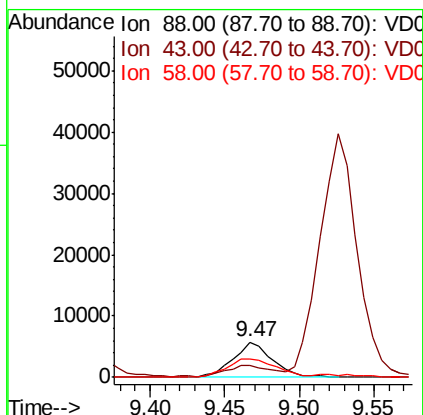
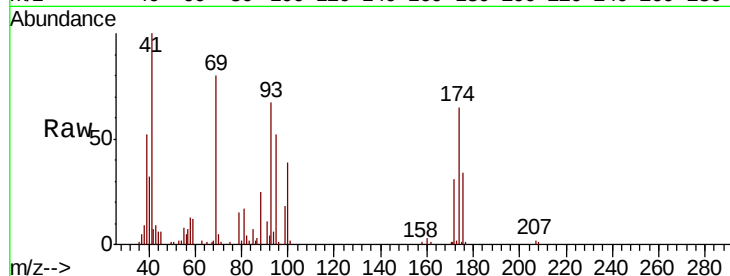




#49
1,4-Dioxane
Concen: 350.930 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

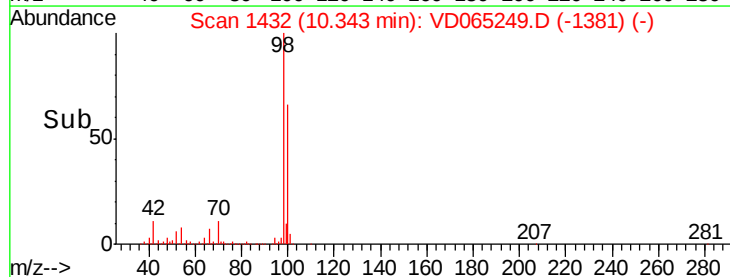
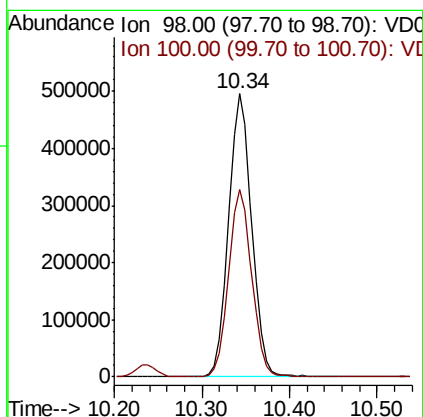
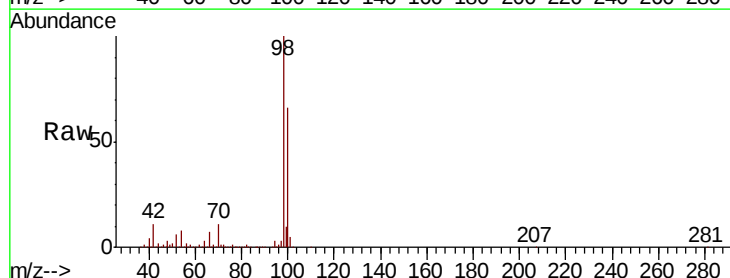
Instrument :
MSVOA_D
ClientSampleId :

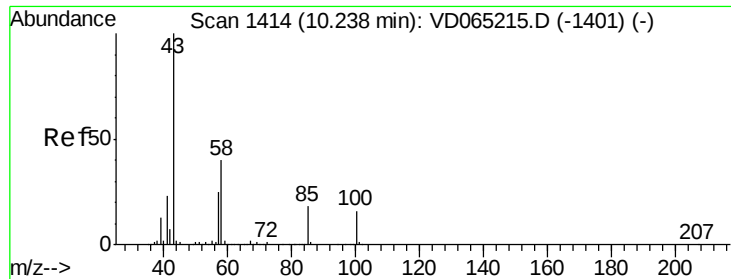
Tot Ion: 88 Resp: 10448
Ion Ratio Lower Upper
88 100
43 35.3 28.5 42.7
58 65.5 58.6 87.8



#50
Toluene-d8
Concen: 53.032 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion: 98 Resp: 893049
Ion Ratio Lower Upper
98 100
100 66.4 52.0 78.0

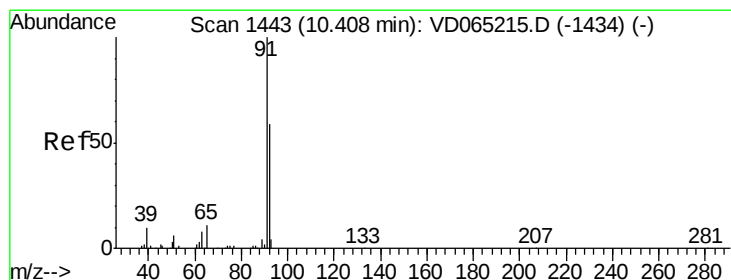
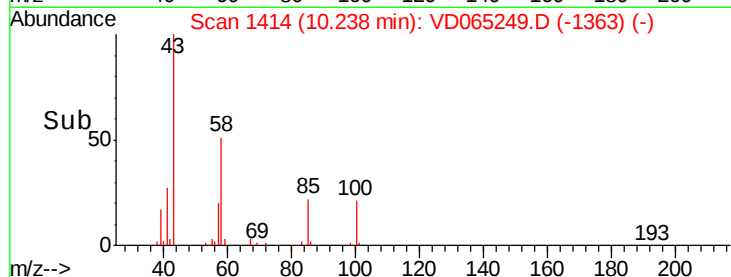
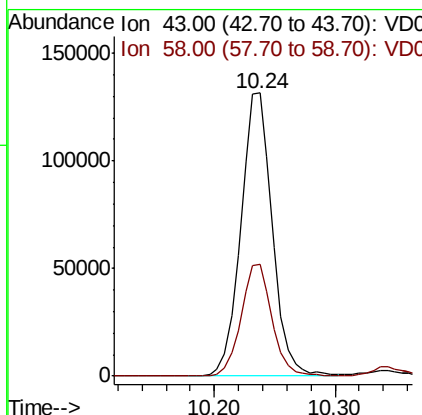
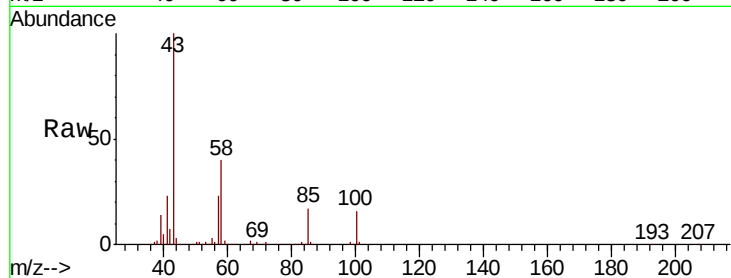




#51
 4-Methyl-2-Pentanone
 Concen: 88.141 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

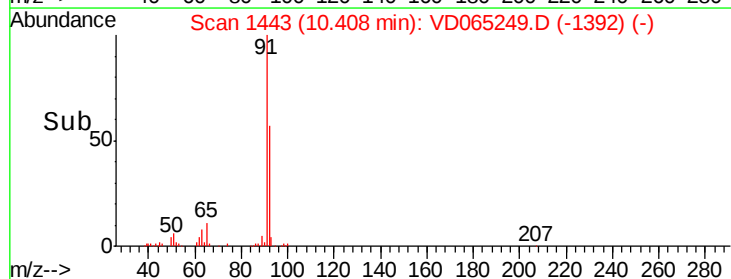
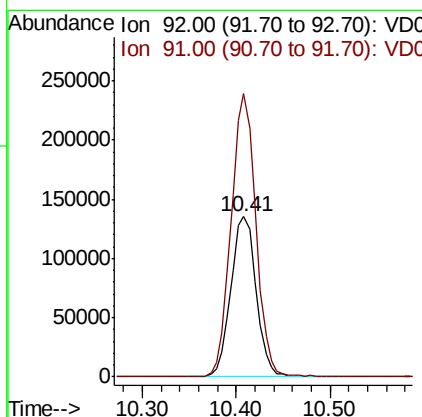
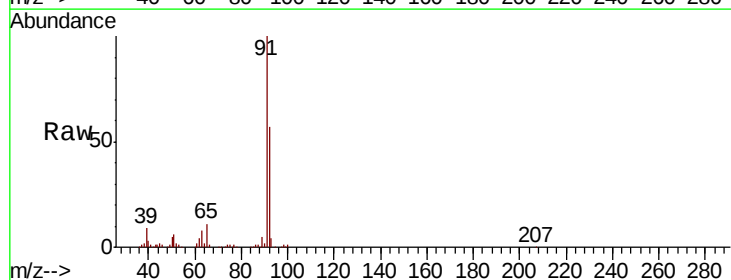
Instrument :
 MSVOA_D
 ClientSampleID :

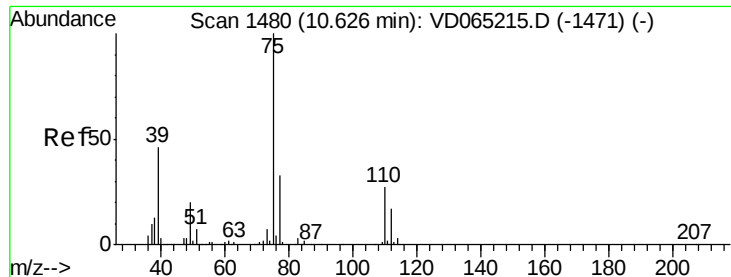
Tot Ion: 43 Resp: 239230
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.1 46.7



#52
 Toluene
 Concen: 20.674 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Tgt Ion: 92 Resp: 253907
 Ion Ratio Lower Upper
 92 100
 91 172.4 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 18.947 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

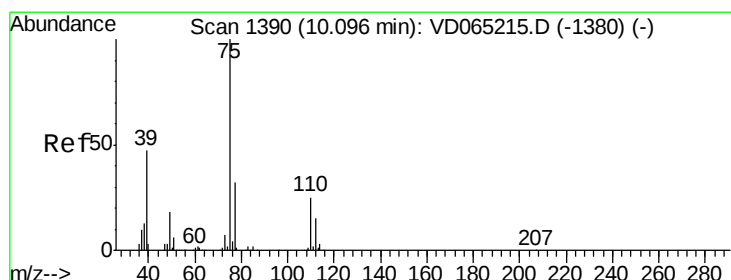
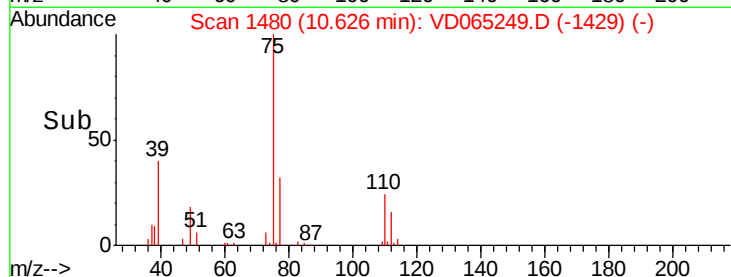
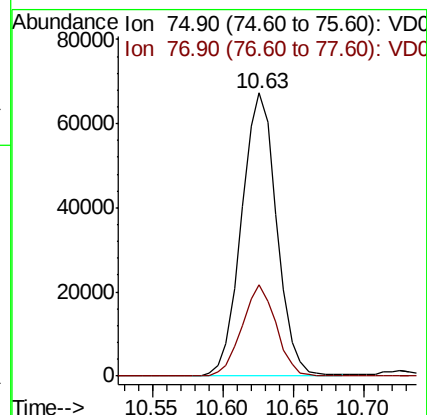
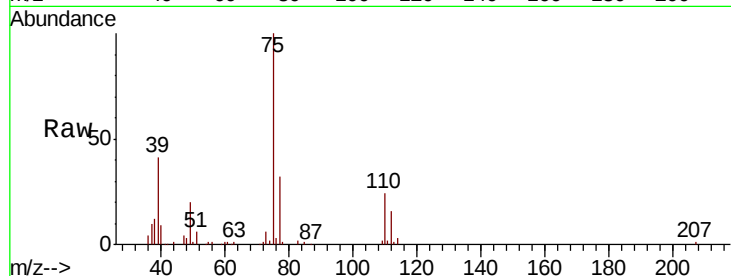
ClientSampleId :

Tot Ion: 75 Resp: 117485

Ion Ratio Lower Upper

75 100

77 32.3 26.6 40.0



#54

cis-1,3-Dichloropropene

Concen: 19.220 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

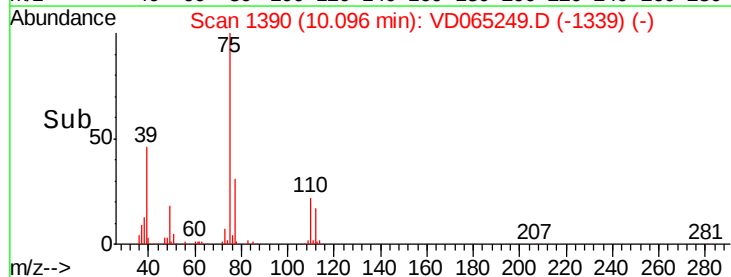
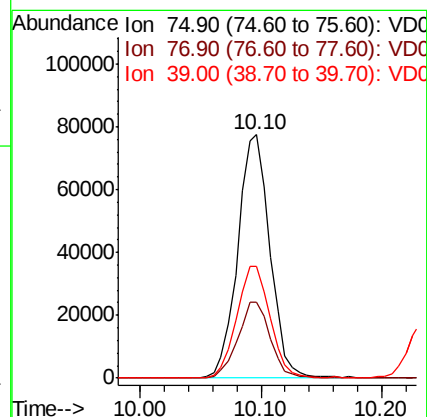
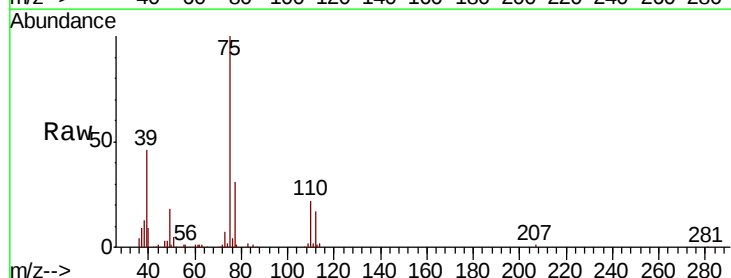
Tgt Ion: 75 Resp: 143915

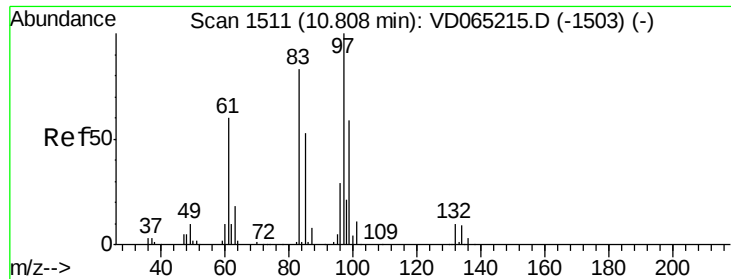
Ion Ratio Lower Upper

75 100

77 31.2 25.8 38.8

39 45.9 37.3 55.9

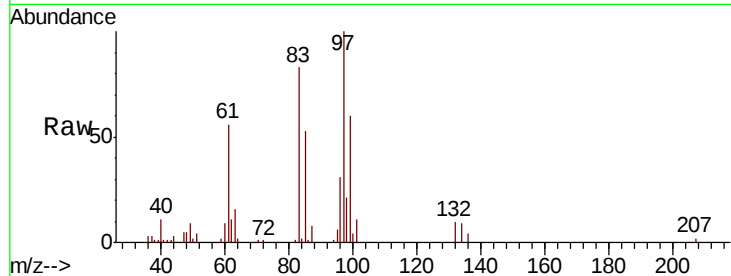




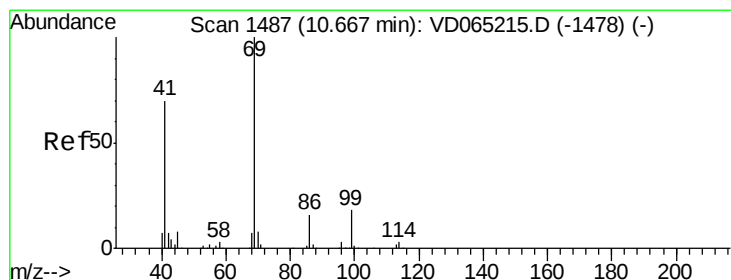
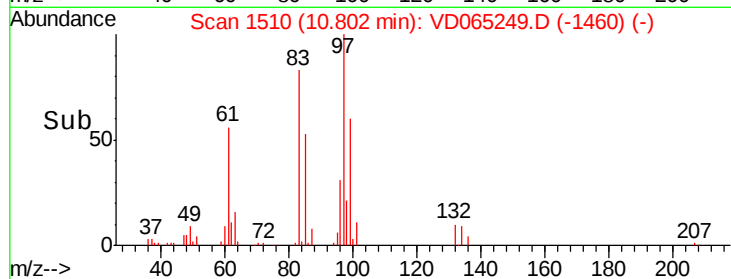
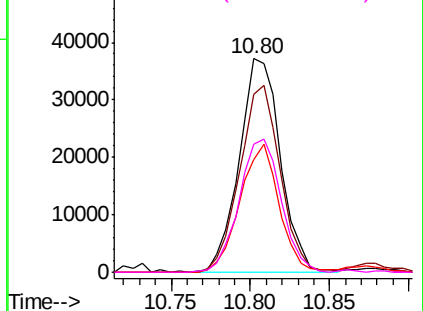
#55
 1,1,2-Trichloroethane
 Concen: 18.876 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:	97	Resp:	67441
Ion	Ratio	Lower	Upper
97	100		
83	83.0	66.7	100.1
85	53.0	42.4	63.6
99	60.0	47.5	71.3

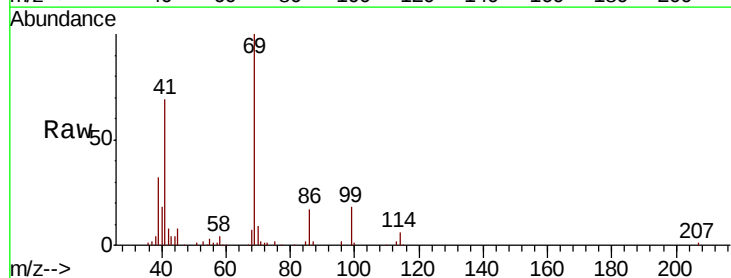


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

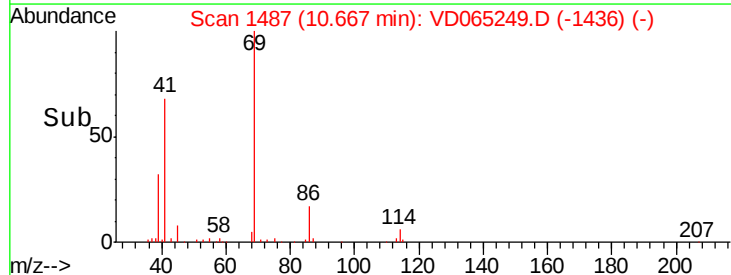
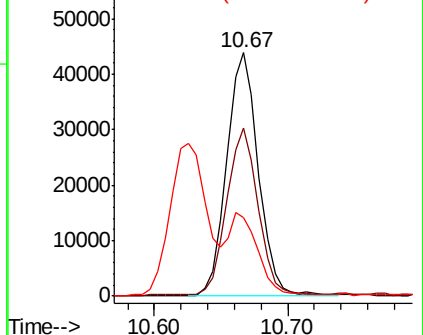


#56
 Ethyl methacrylate
 Concen: 17.693 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Tgt Ion:	69	Resp:	72964
Ion	Ratio	Lower	Upper
69	100		
41	66.7	54.6	81.8
39	30.9	26.5	39.7



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





#57

1,3-Dichloropropane

Concen: 19.189 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

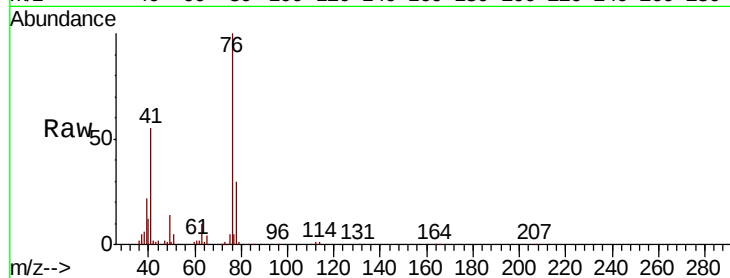
ClientSampleId :

Tot Ion: 76 Resp: 116689

Ion Ratio Lower Upper

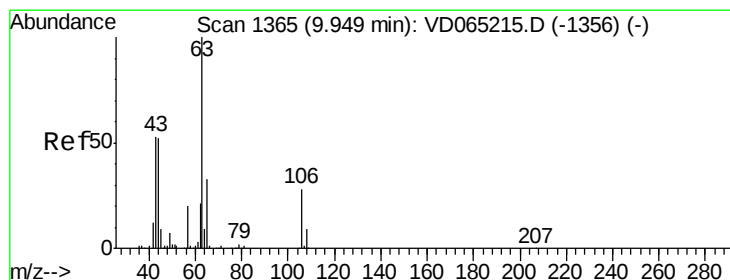
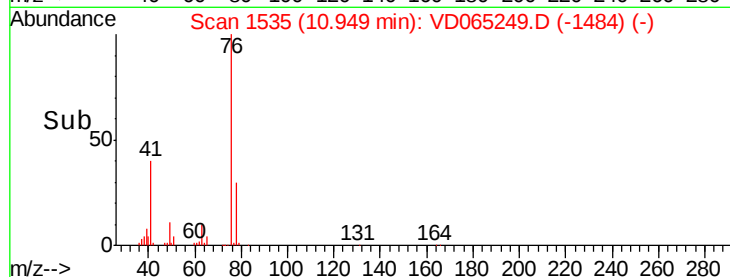
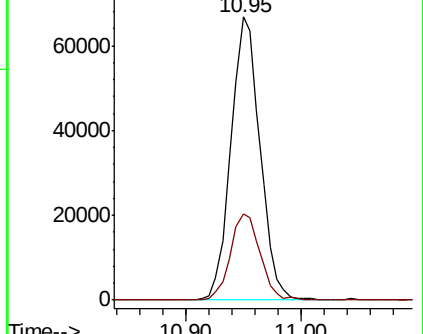
76 100

78 31.1 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: 89.348 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD065249.D

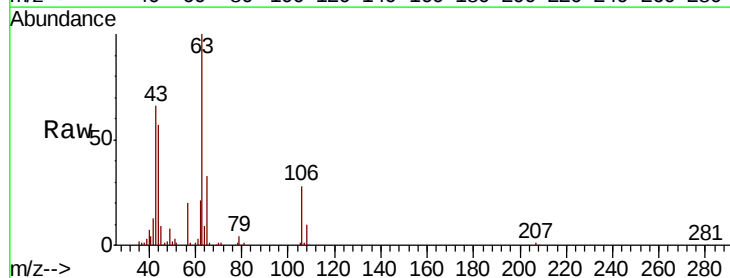
Acq: 20 Feb 2020 11:41

Tgt Ion: 63 Resp: 116166

Ion Ratio Lower Upper

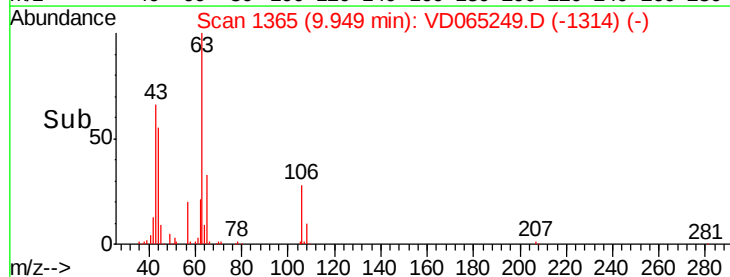
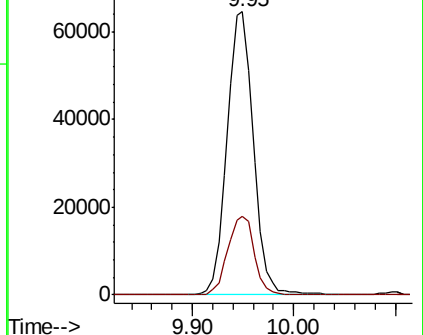
63 100

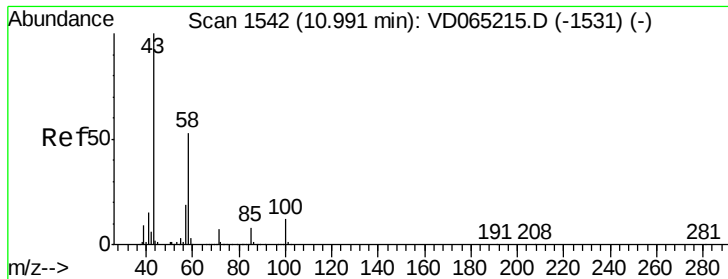
106 28.0 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

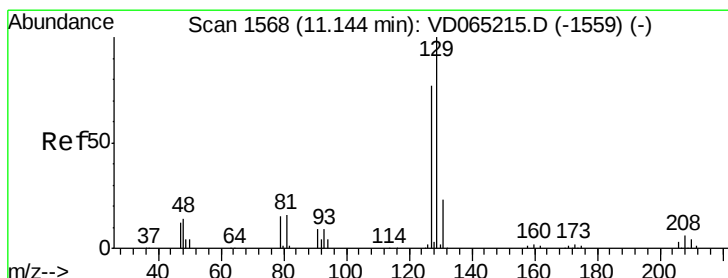
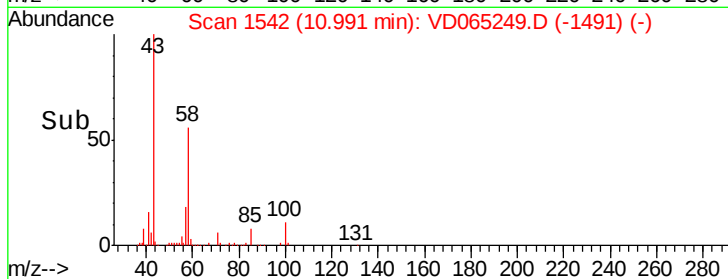
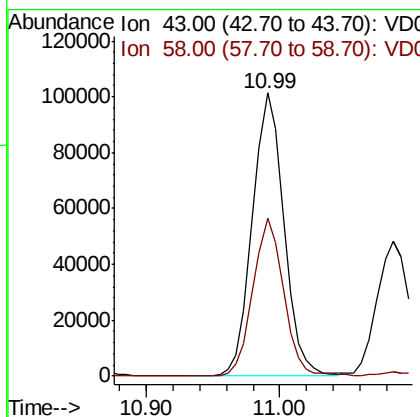
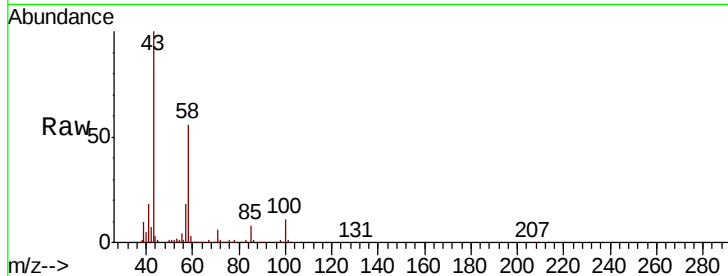




#59
2-Hexanone
Concen: 85.406 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

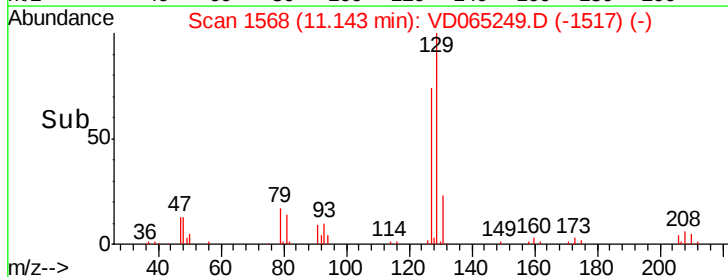
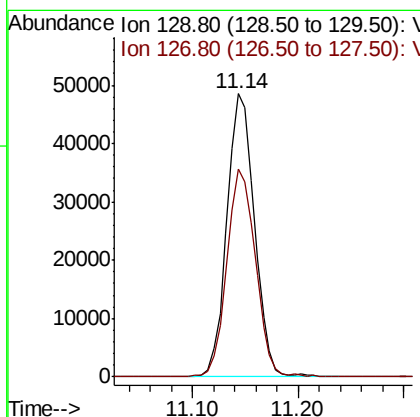
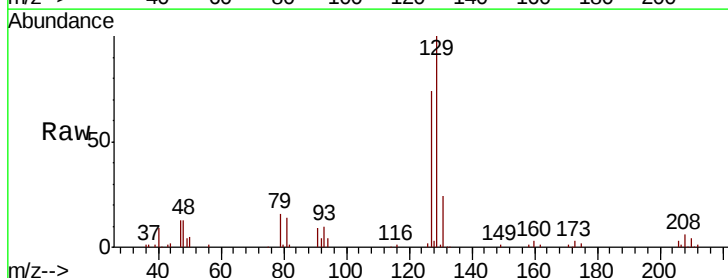
Instrument :
MSVOA_D
ClientSampled :

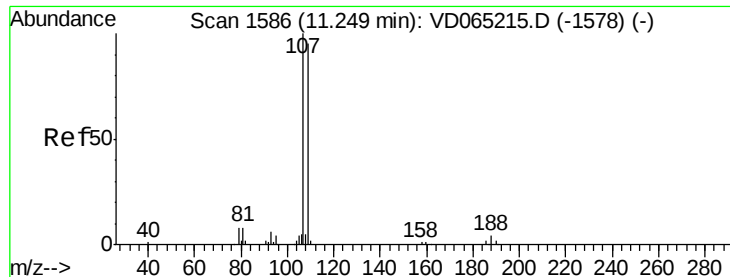
Tot Ion: 43 Resp: 165936
Ion Ratio Lower Upper
43 100
58 54.0 26.3 78.8



#60
Dibromochloromethane
Concen: 19.160 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion:129 Resp: 87620
Ion Ratio Lower Upper
129 100
127 76.0 38.7 116.1

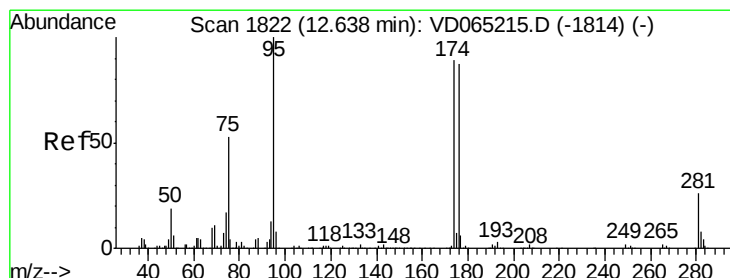
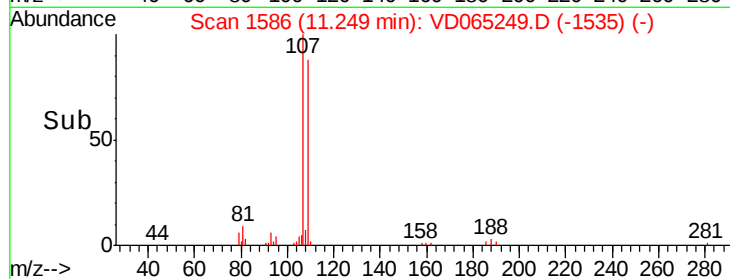
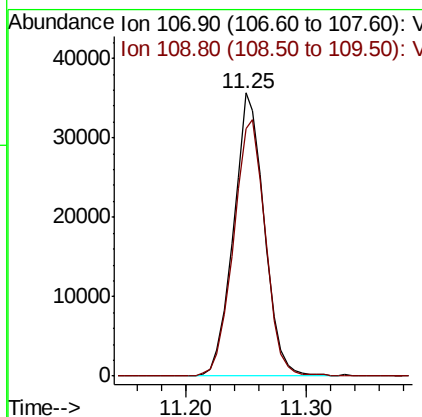
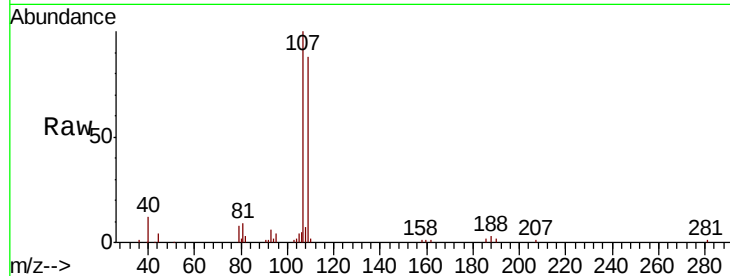




#61
 1,2-Dibromoethane
 Concen: 18.630 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

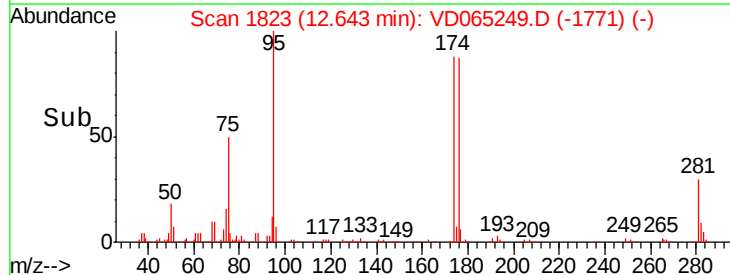
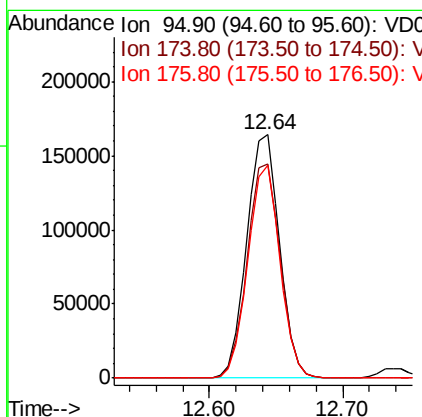
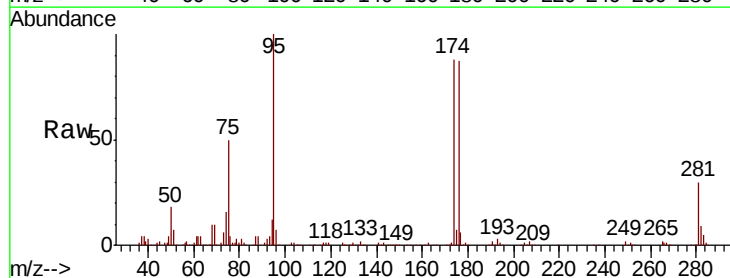
Instrument :
 MSVOA_D
 ClientSampleId :

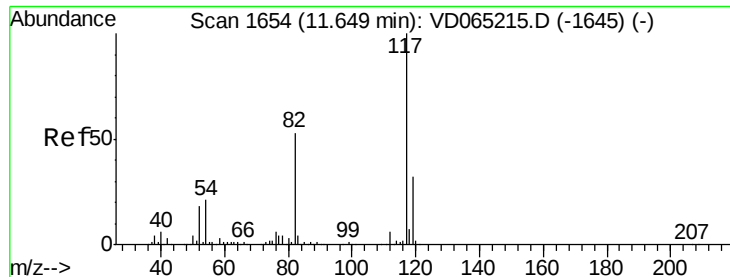
Tot Ion: 107 Resp: 63022
 Ion Ratio Lower Upper
 107 100
 109 93.9 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 52.038 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Tgt Ion: 95 Resp: 277610
 Ion Ratio Lower Upper
 95 100
 174 88.9 0.0 178.0
 176 85.4 0.0 174.4

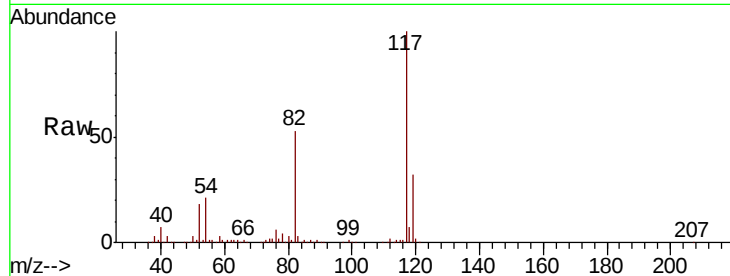




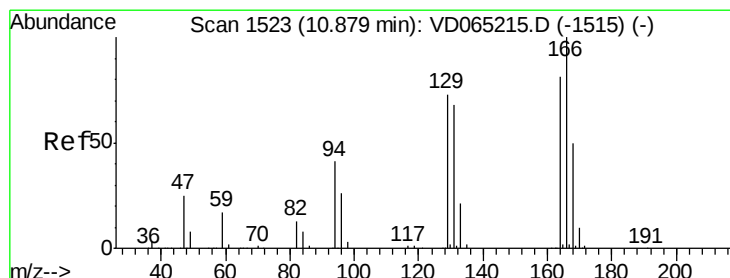
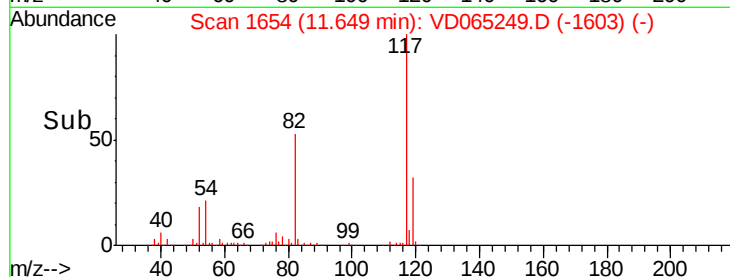
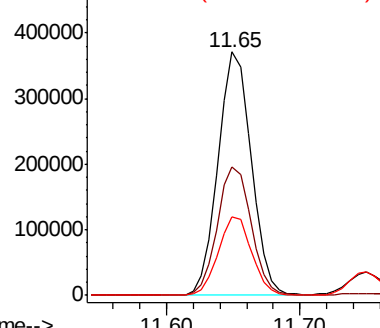
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:117 Resp: 639876
Ion Ratio Lower Upper
117 100
82 53.0 42.7 64.1
119 32.2 25.5 38.3

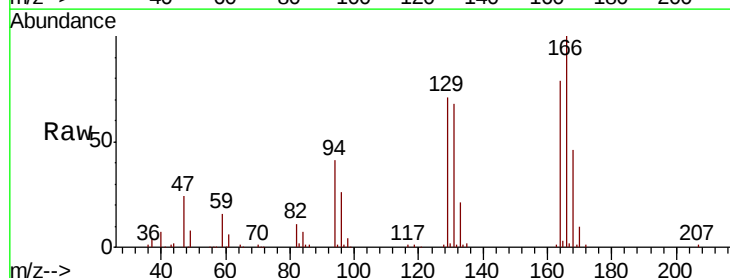


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

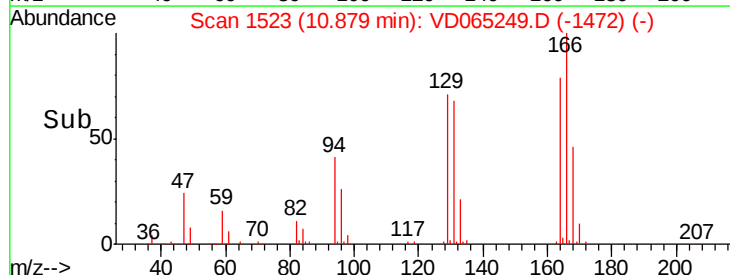
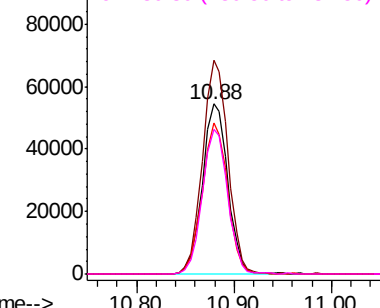


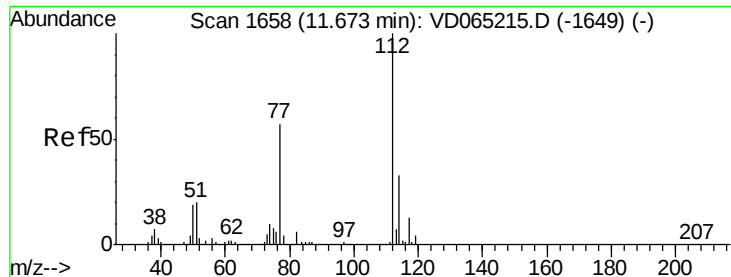
#64
Tetrachloroethene
Concen: 21.715 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion:164 Resp: 98546
Ion Ratio Lower Upper
164 100
166 125.9 98.4 147.6
129 89.2 71.6 107.4
131 85.2 67.3 100.9



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

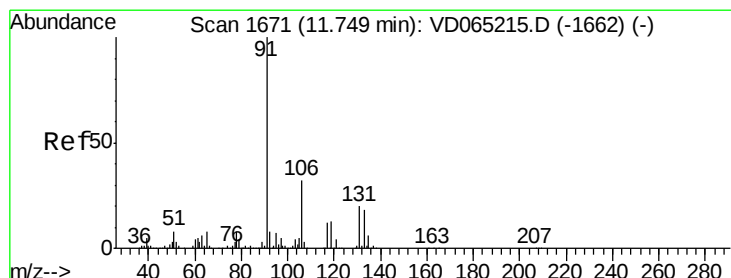
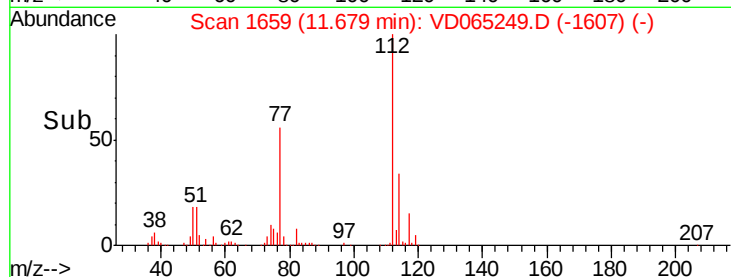
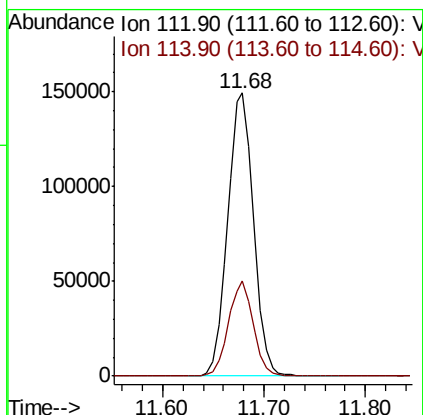
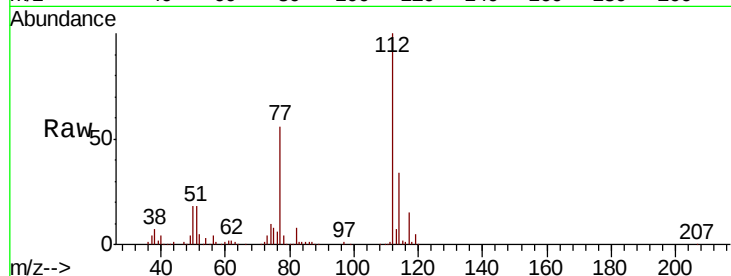




#65
Chlorobenzene
Concen: 20.529 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

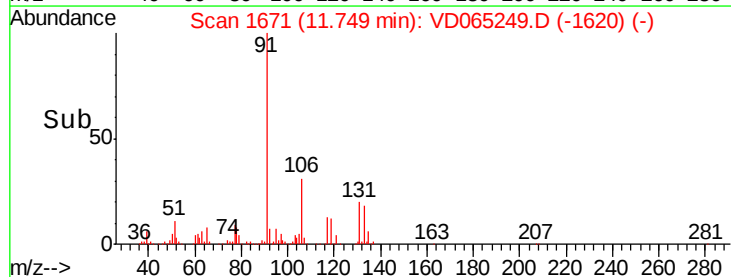
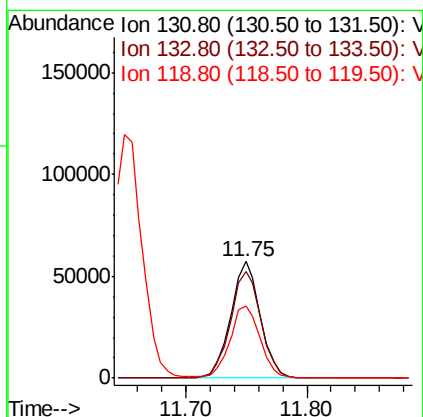
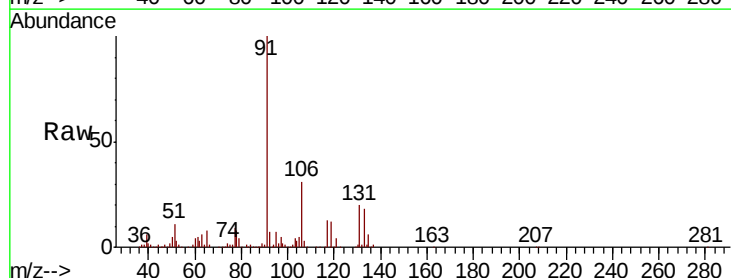
Instrument :
MSVOA_D
ClientSampleId :

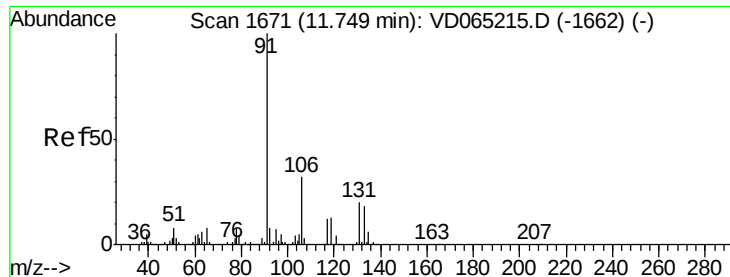
Tot Ion:112 Resp: 263601
Ion Ratio Lower Upper
112 100
114 33.9 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.154 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion:131 Resp: 96572
Ion Ratio Lower Upper
131 100
133 95.9 47.7 143.1
119 64.1 32.7 98.1





#67

Ethyl Benzene

Concen: 20.668 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

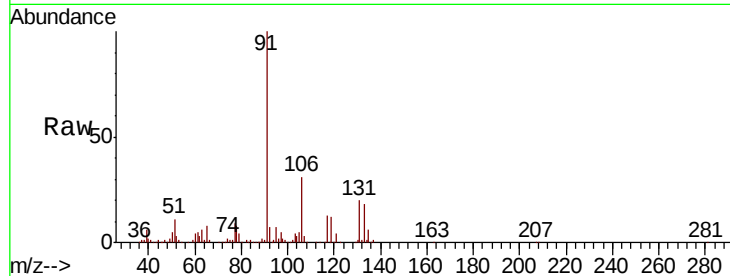
ClientSampleId :

Tot Ion: 91 Resp: 464816

Ion Ratio Lower Upper

91 100

106 30.6 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

11.75

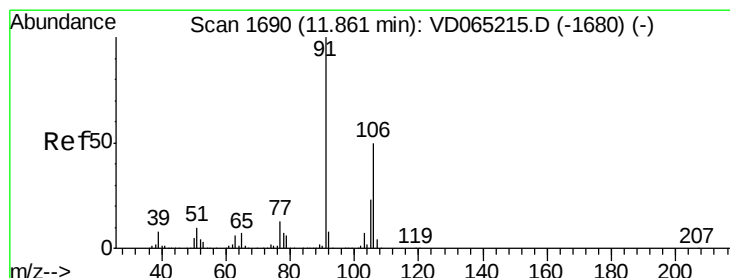
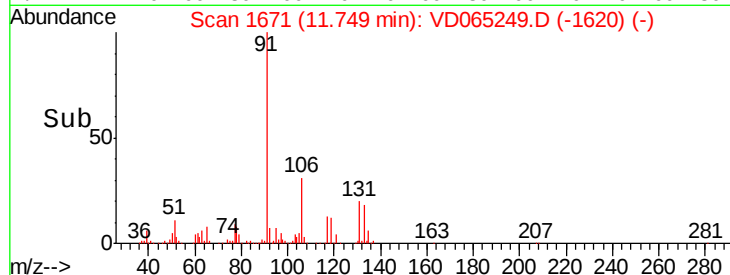
300000

200000

100000

0

Time-->



#68

m/p-Xylenes

Concen: 42.295 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065249.D

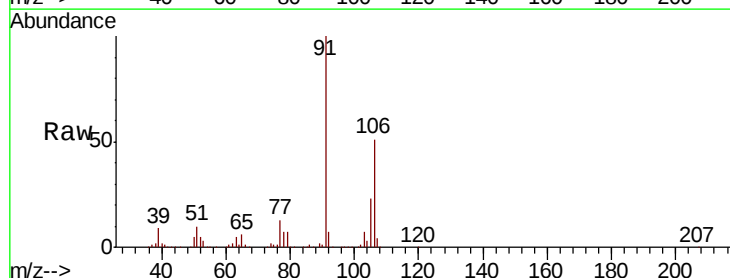
Acq: 20 Feb 2020 11:41

Tgt Ion: 106 Resp: 363909

Ion Ratio Lower Upper

106 100

91 196.5 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

11.86

400000

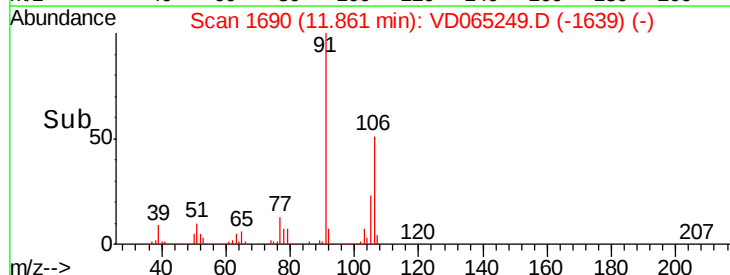
300000

200000

100000

0

Time-->

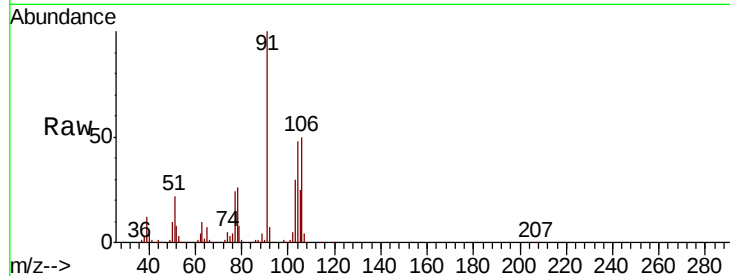




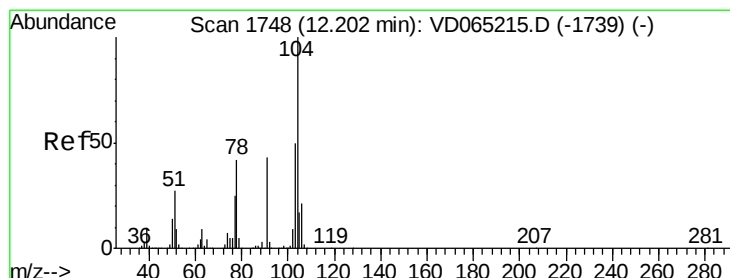
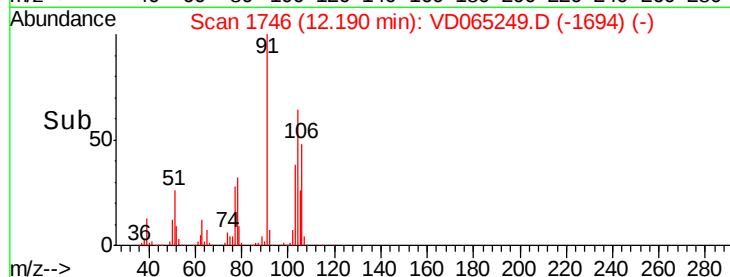
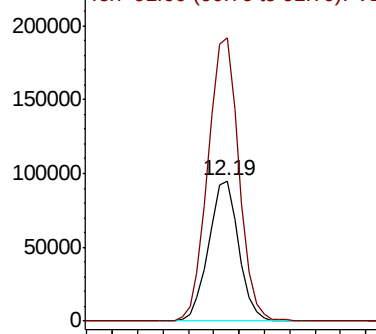
#69
o-Xylene
Concen: 20.450 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 155886
Ion Ratio Lower Upper
106 100
91 208.4 104.7 313.9

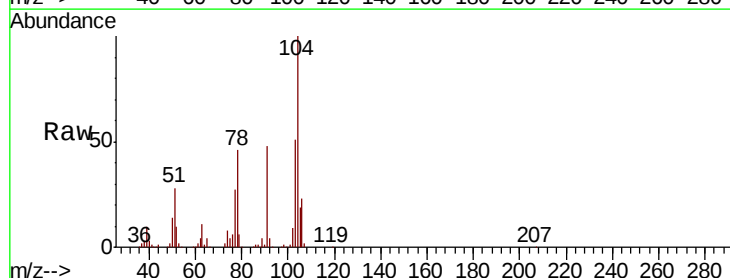


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

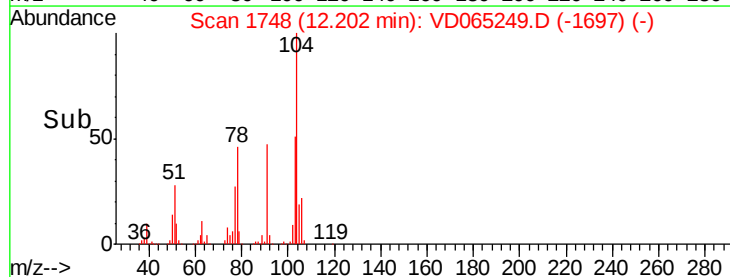
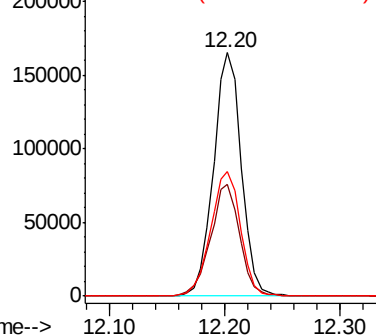


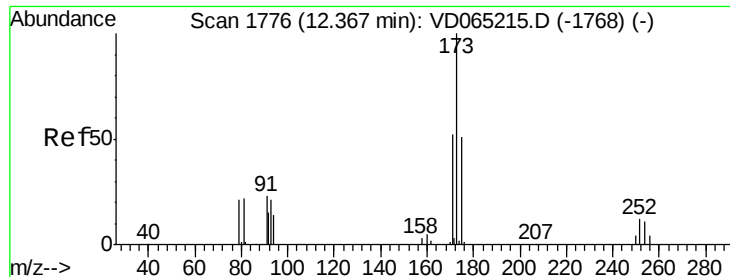
#70
Styrene
Concen: 20.414 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion:104 Resp: 276283
Ion Ratio Lower Upper
104 100
78 48.0 37.8 56.6
103 55.0 43.4 65.2



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





#71

Bromoform

Concen: 18.425 ug/l

RT: 12.37 min Scan# 1777

Delta R.T. 0.01 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

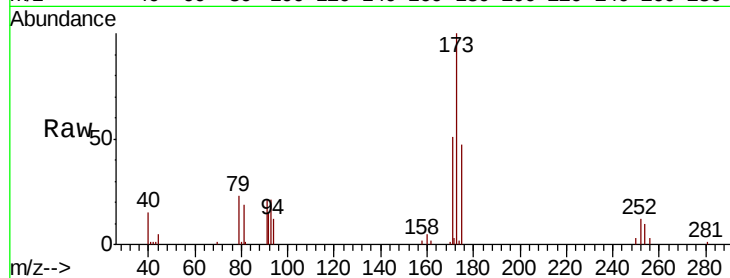
Tot Ion:173 Resp: 48992

Ion Ratio Lower Upper

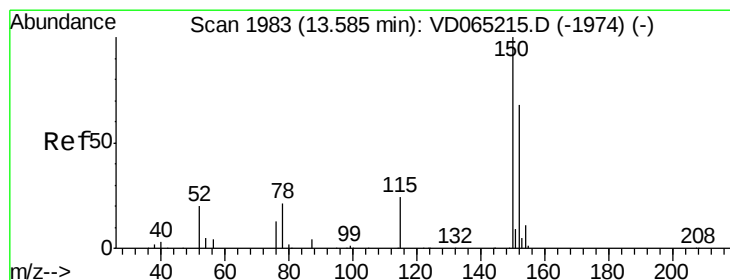
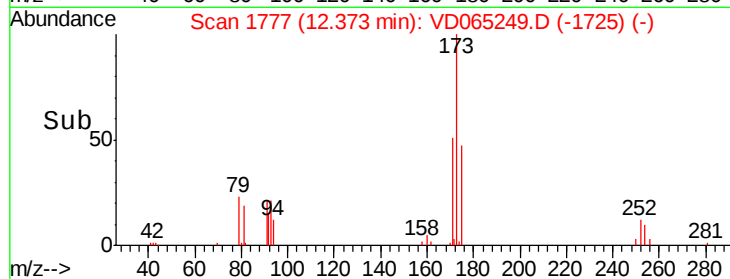
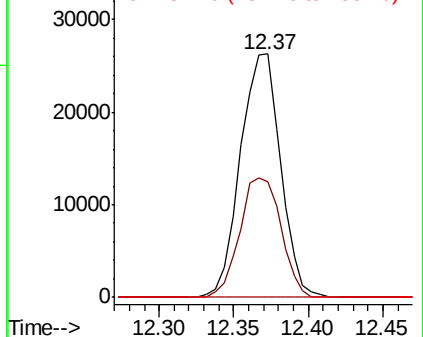
173 100

175 50.2 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: VD065249.D

Acq: 20 Feb 2020 11:41

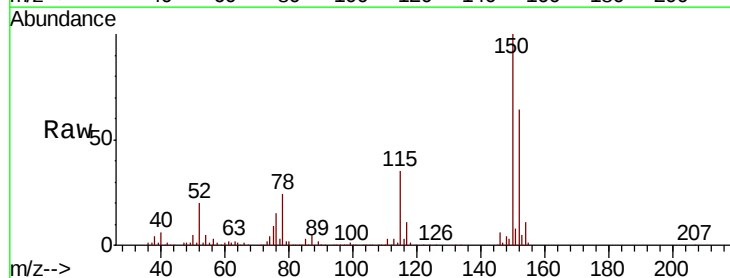
Tgt Ion:152 Resp: 312269

Ion Ratio Lower Upper

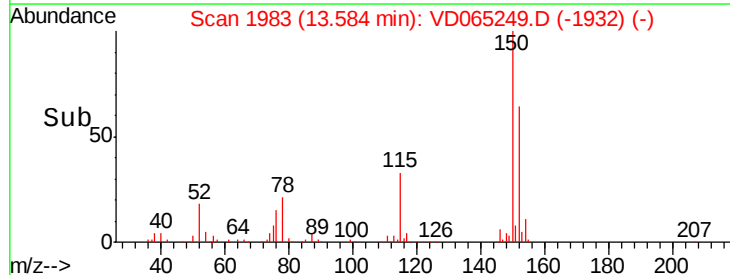
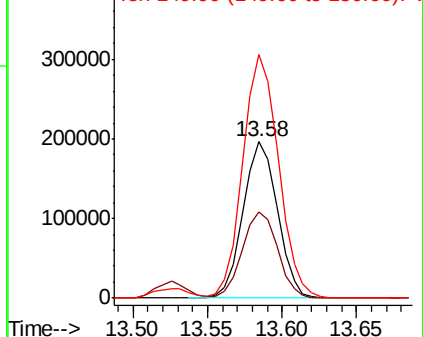
152 100

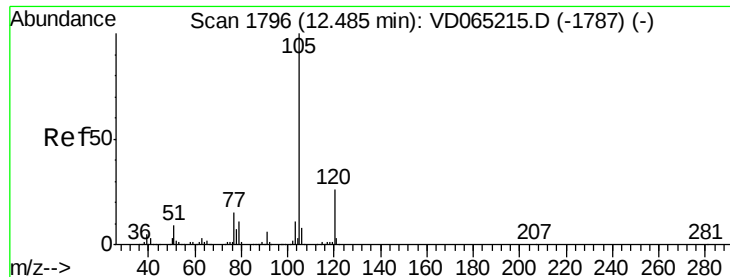
115 56.5 27.6 82.8

150 162.7 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: 21.083 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

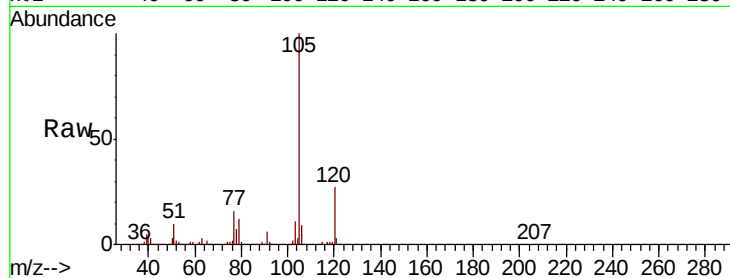
ClientSampleID :

Tot Ion:105 Resp: 435854

Ion Ratio Lower Upper

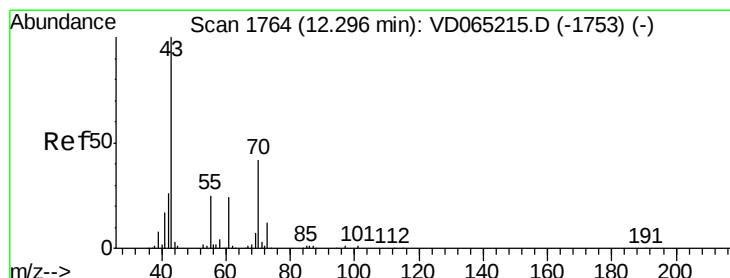
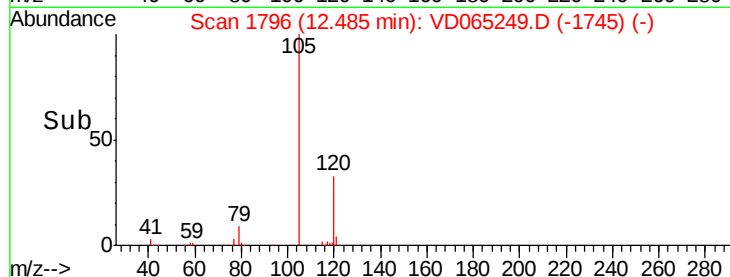
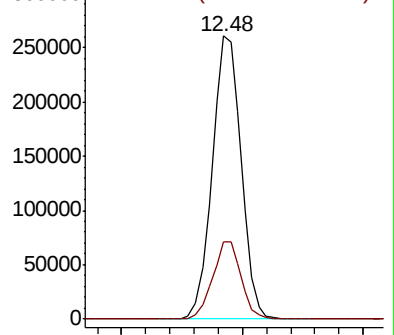
105 100

120 26.7 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: 17.712 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Tgt Ion: 43 Resp: 81365

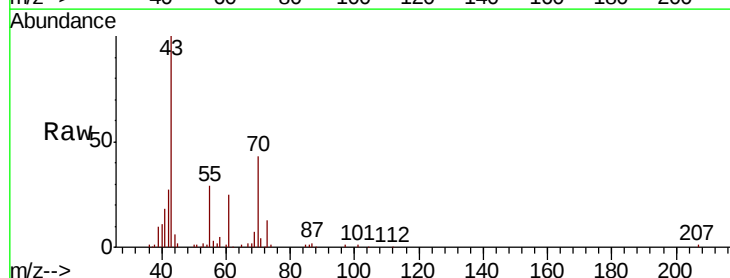
Ion Ratio Lower Upper

43 100

70 43.5 33.7 50.5

55 29.2 20.7 31.1

61 23.8 19.0 28.4

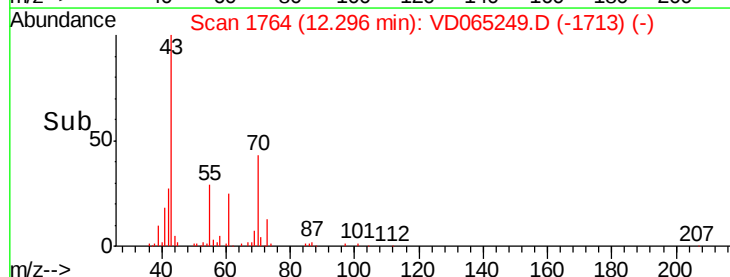
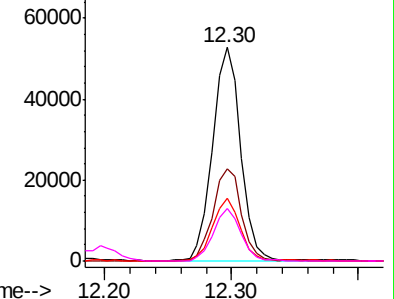


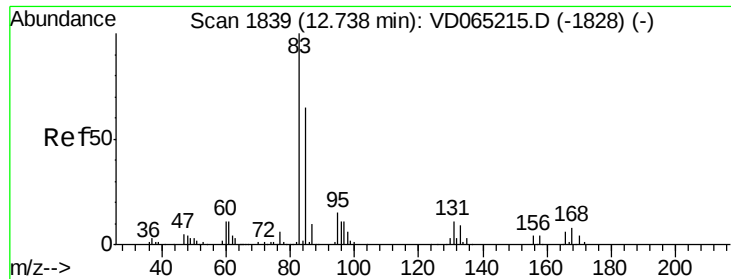
Abundance Ion 43.00 (42.70 to 43.70): V

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: 18.571 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

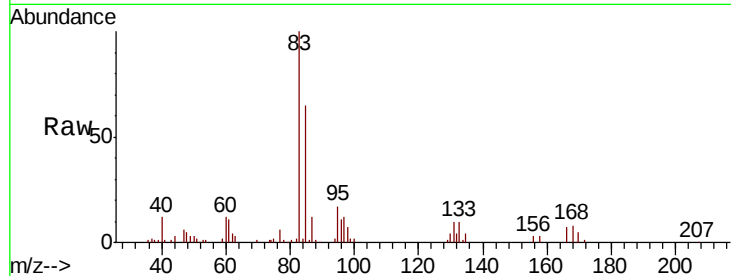
Tot Ion: 83 Resp: 69292

Ion Ratio Lower Upper

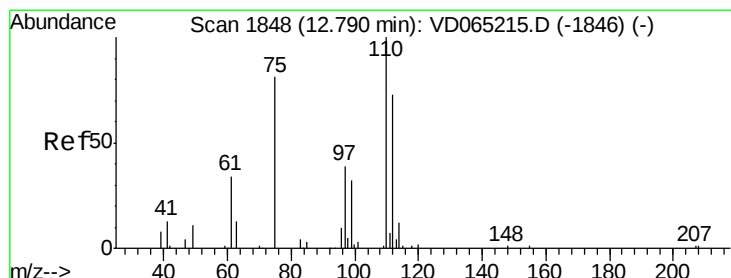
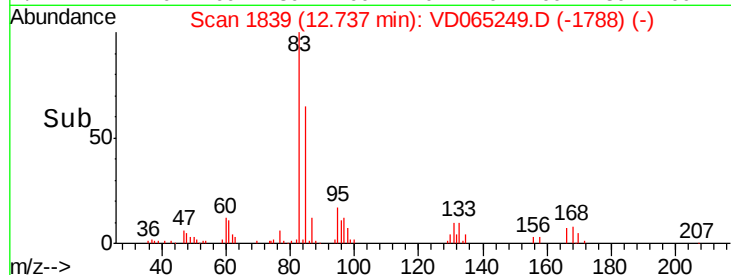
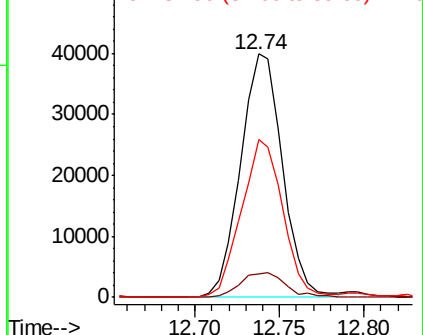
83 100

131 10.9 5.4 16.2

85 63.7 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: 35.070 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065249.D

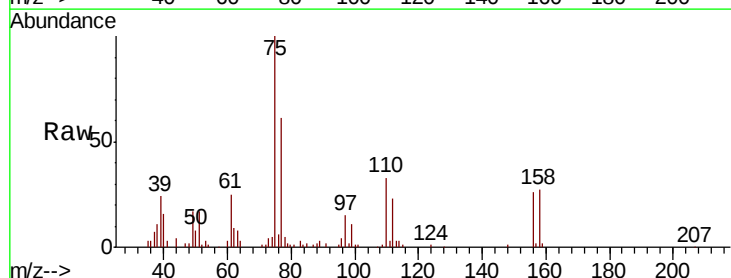
Acq: 20 Feb 2020 11:41

Tgt Ion: 75 Resp: 93177

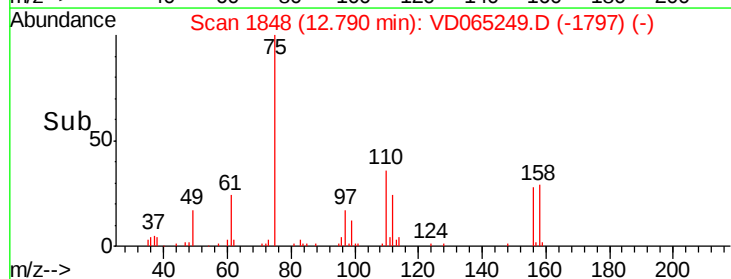
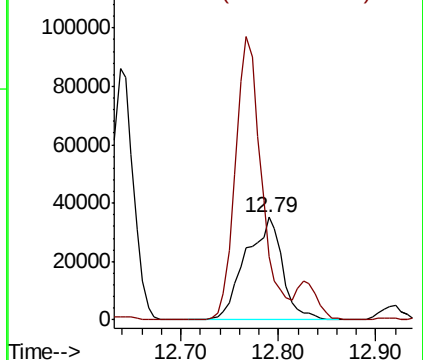
Ion Ratio Lower Upper

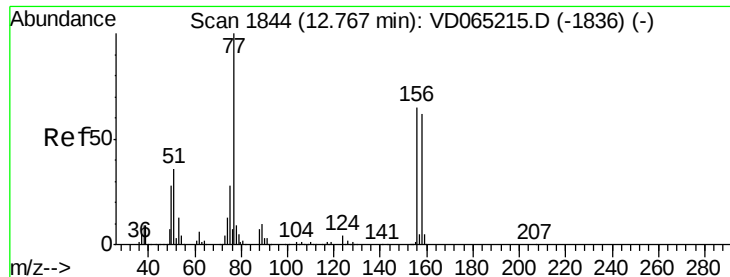
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 20.484 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

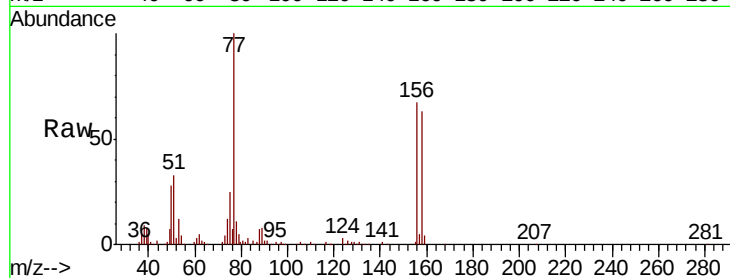
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:156 Resp: 105156

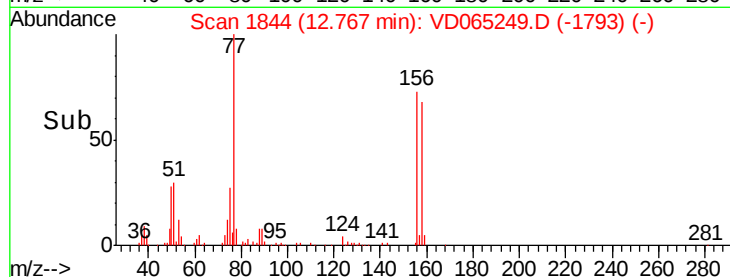
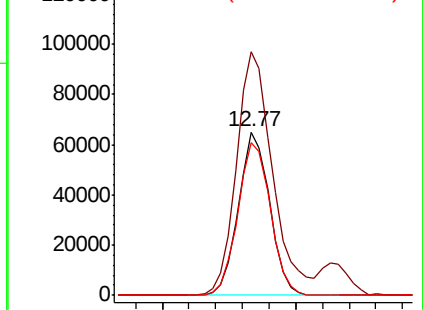
Ion	Ratio	Lower	Upper
156	100		
77	173.8	86.6	259.7
158	97.5	48.1	144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.520 ug/l

RT: 12.83 min Scan# 1854

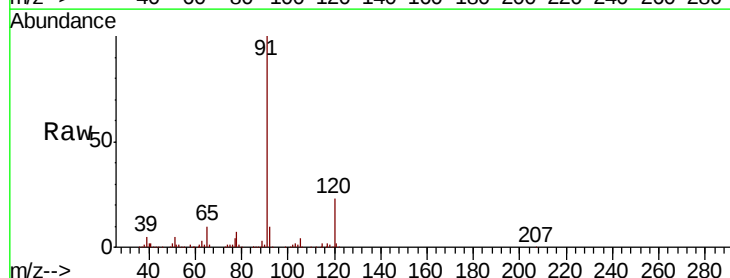
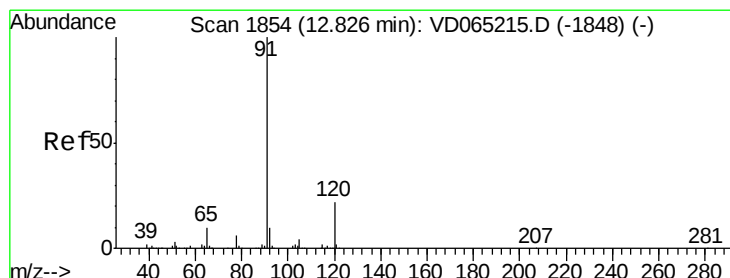
Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

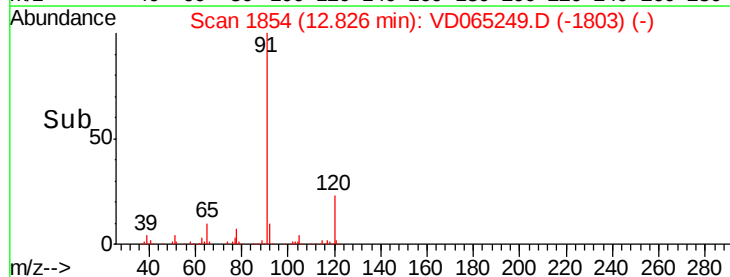
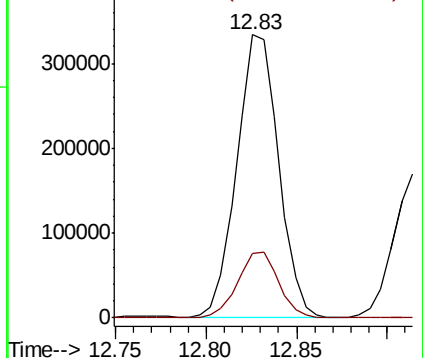
Tgt Ion: 91 Resp: 534644

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.781 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

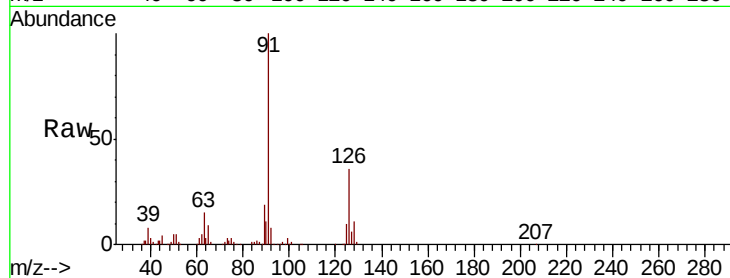
ClientSampleId :

Tot Ion: 91 Resp: 289224

Ion Ratio Lower Upper

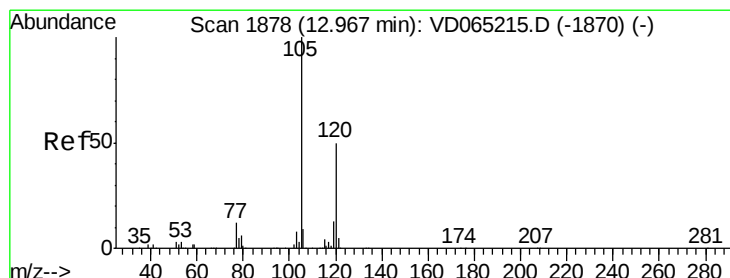
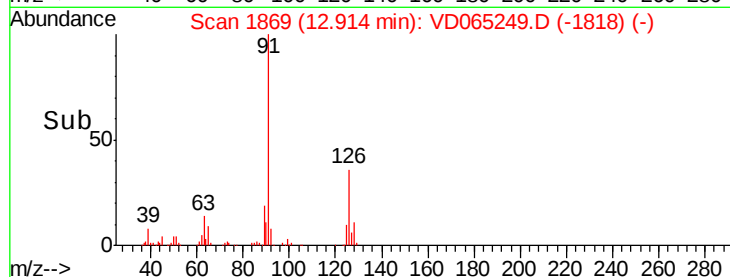
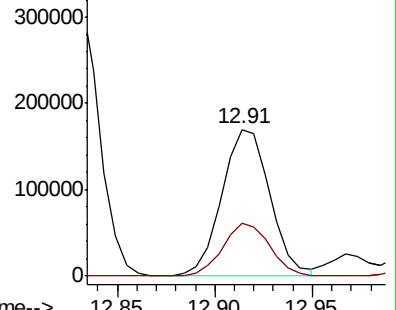
91 100

126 35.6 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.440 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065249.D

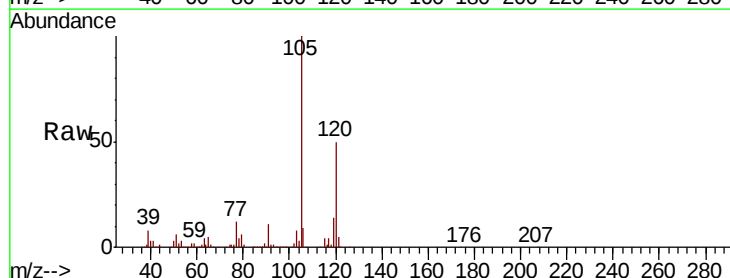
Acq: 20 Feb 2020 11:41

Tgt Ion:105 Resp: 365062

Ion Ratio Lower Upper

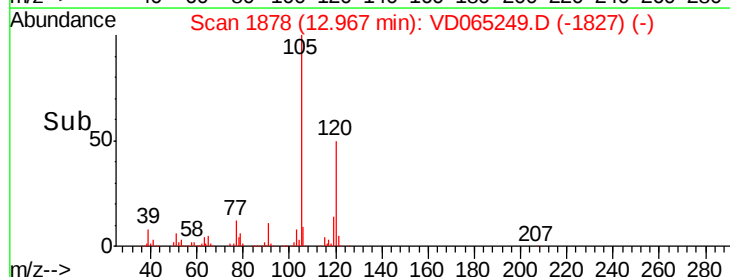
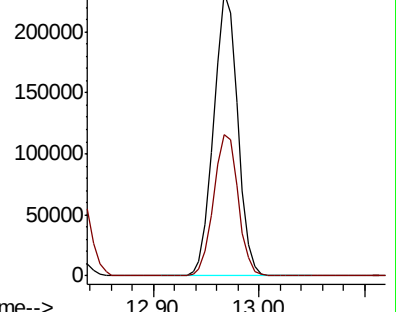
105 100

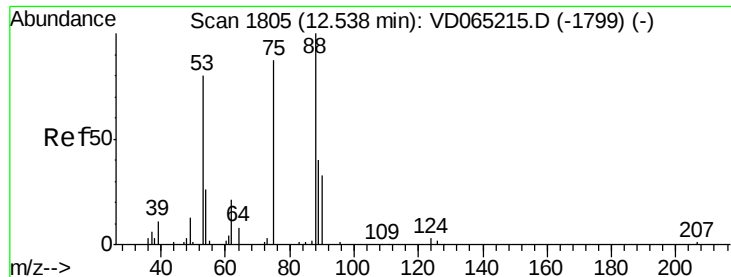
120 50.9 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.479 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

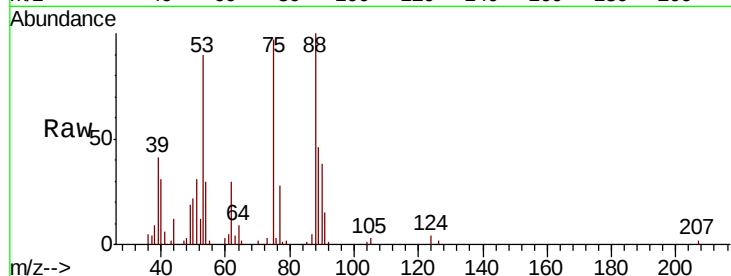
Tot Ion: 75 Resp: 21508

Ion Ratio Lower Upper

75 100

53 95.7 77.6 116.4

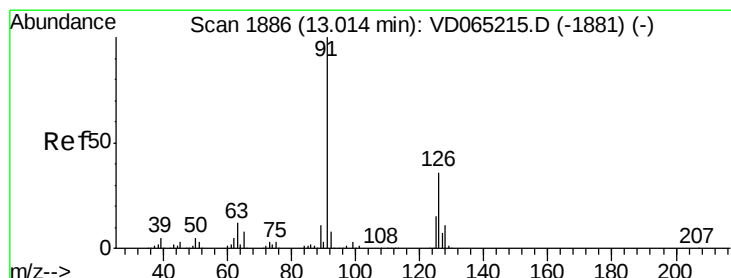
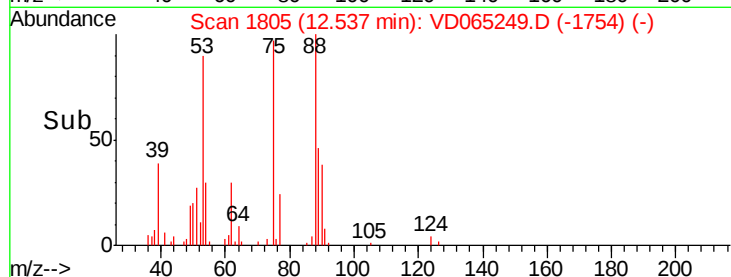
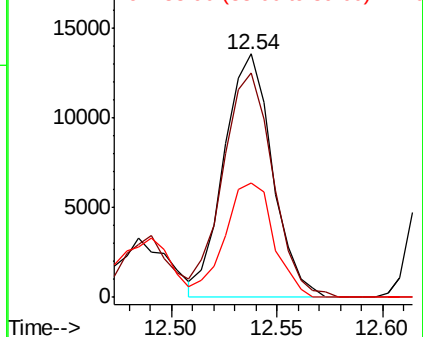
89 47.5 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.295 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065249.D

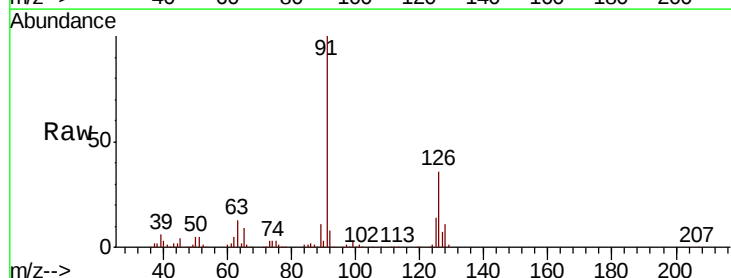
Acq: 20 Feb 2020 11:41

Tgt Ion: 91 Resp: 314644

Ion Ratio Lower Upper

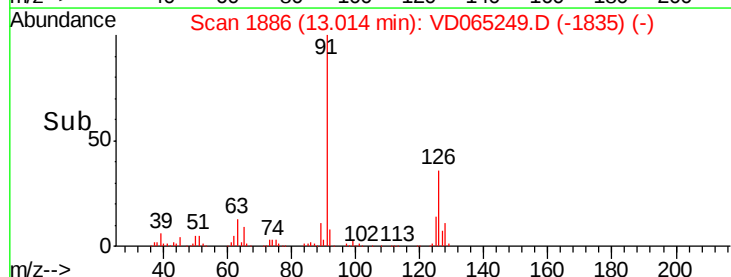
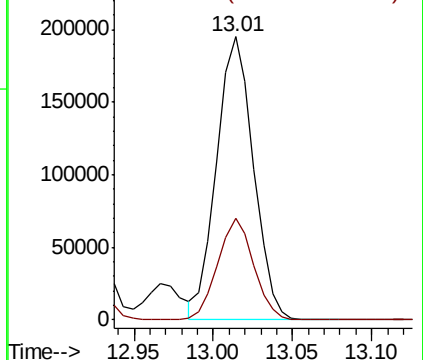
91 100

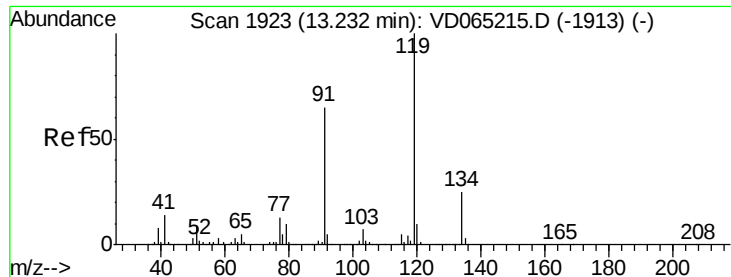
126 35.1 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

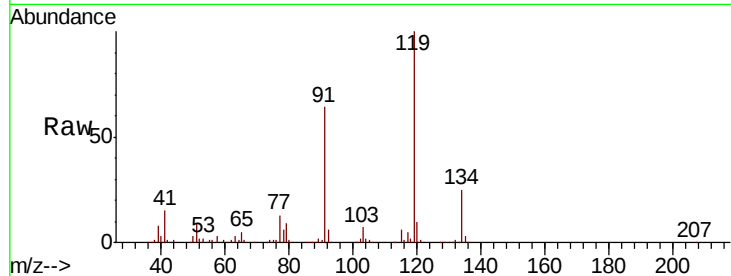




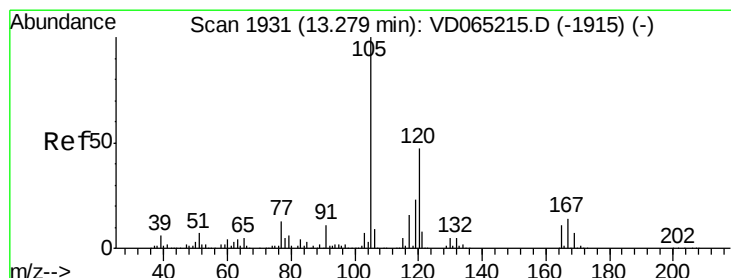
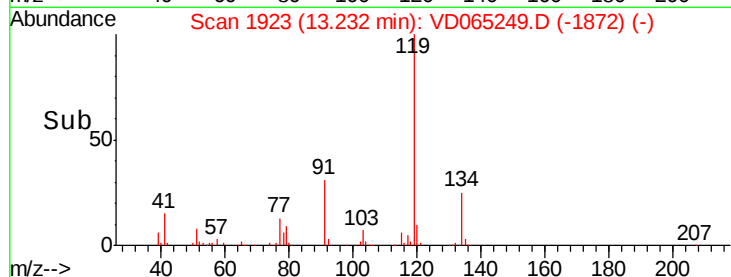
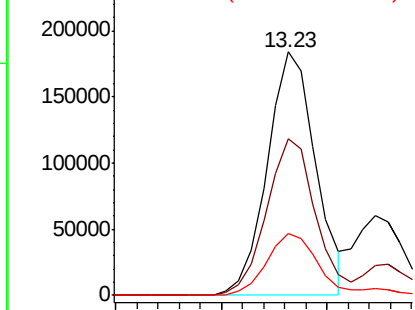
#83
tert-Butylbenzene
Concen: 20.531 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:119 Resp: 293002
Ion Ratio Lower Upper
119 100
91 65.2 31.9 95.5
134 28.3 13.8 41.3

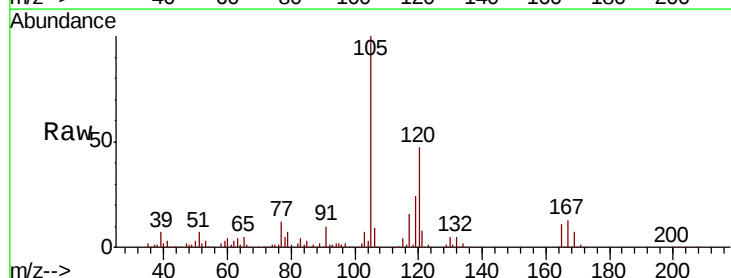


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

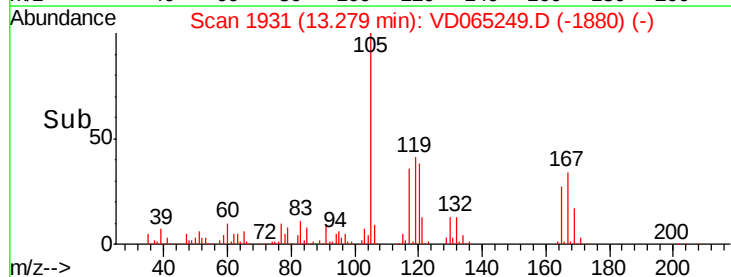
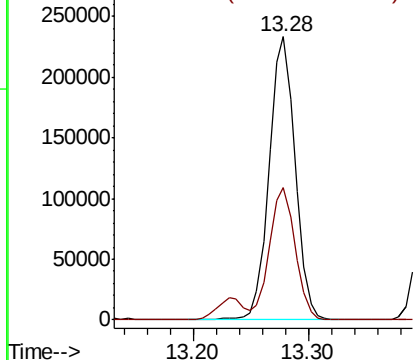


#84
1,2,4-Trimethylbenzene
Concen: 21.535 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion:105 Resp: 367023
Ion Ratio Lower Upper
105 100
120 46.2 23.3 69.9



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

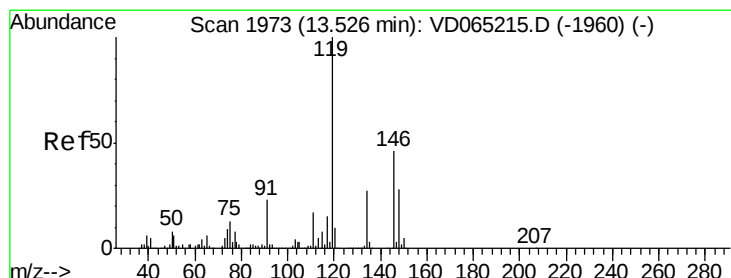
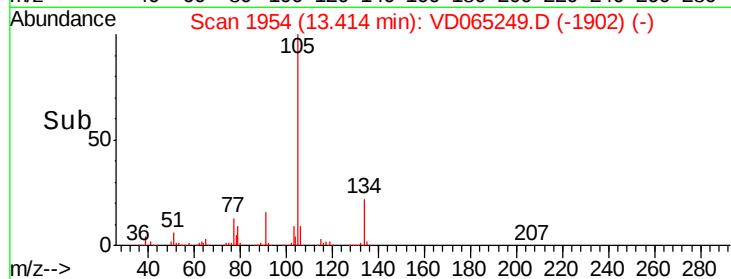
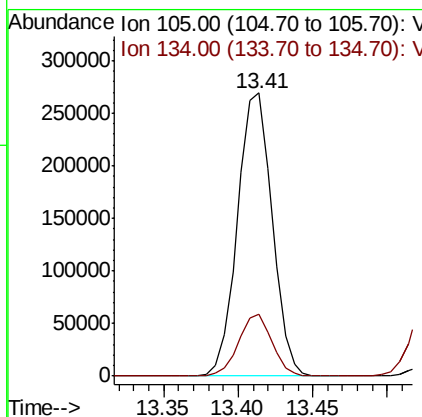
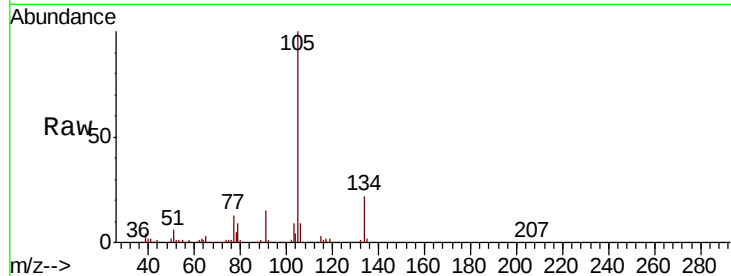




#85
 sec-Butylbenzene
 Concen: 21.178 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

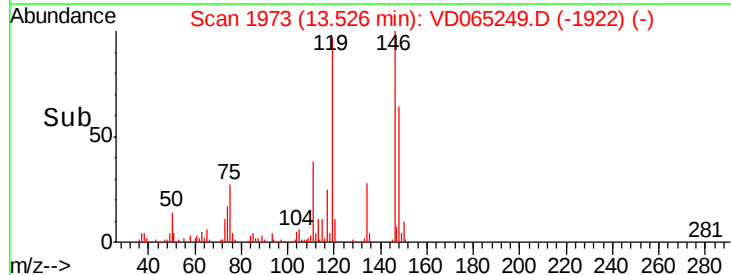
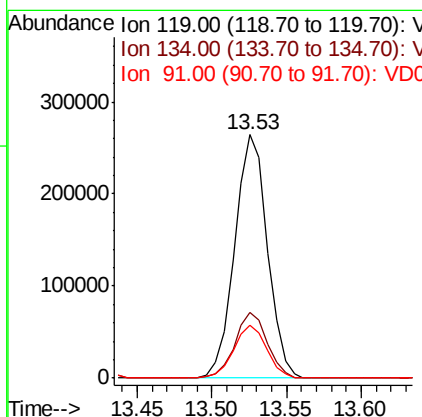
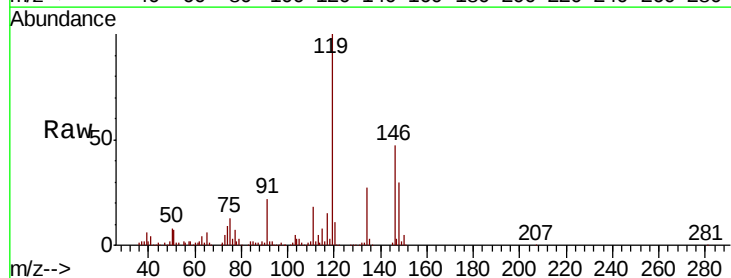
Instrument :
 MSVOA_D
 ClientSampleId :

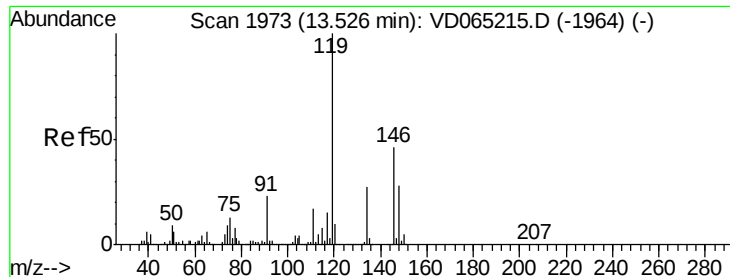
Tot Ion:105 Resp: 435497
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 21.429 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Tgt Ion:119 Resp: 402994
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.8
 91 21.7 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 20.082 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

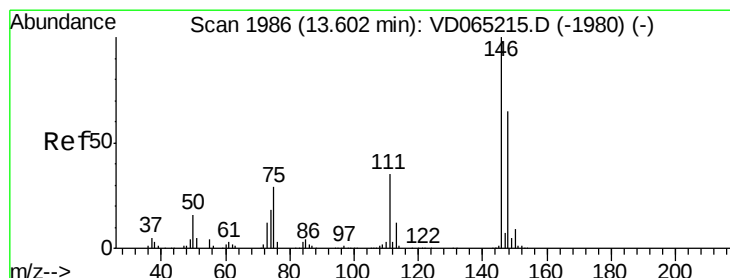
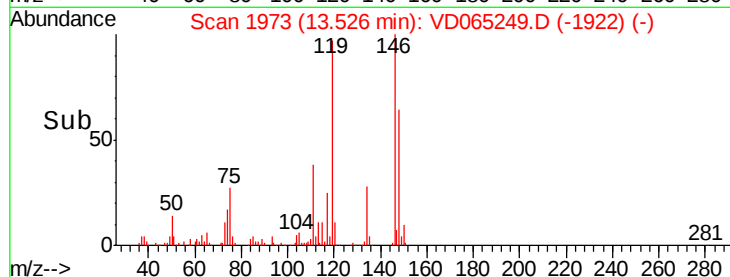
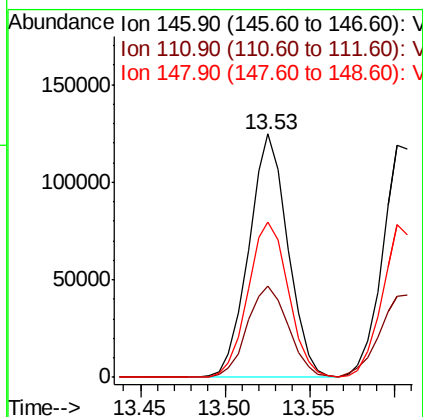
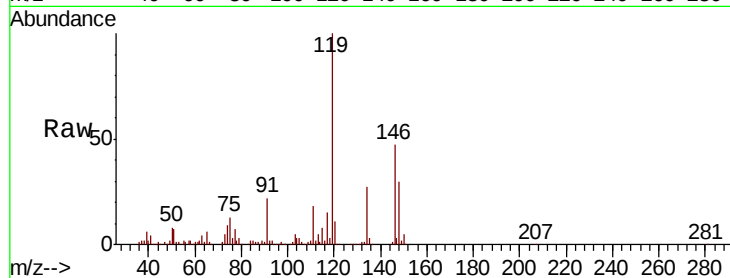
Tot Ion:146 Resp: 199299

Ion Ratio Lower Upper

146 100

111 39.4 18.6 55.8

148 66.2 31.4 94.3



#88

1,4-Dichlorobenzene

Concen: 20.116 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

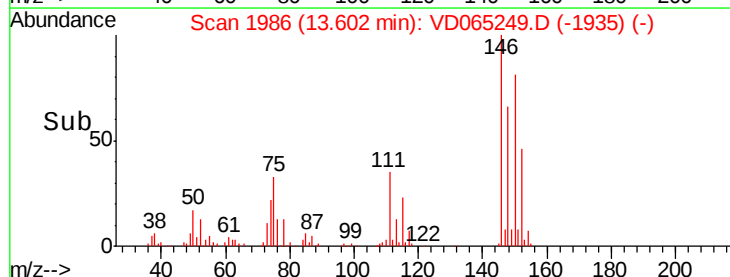
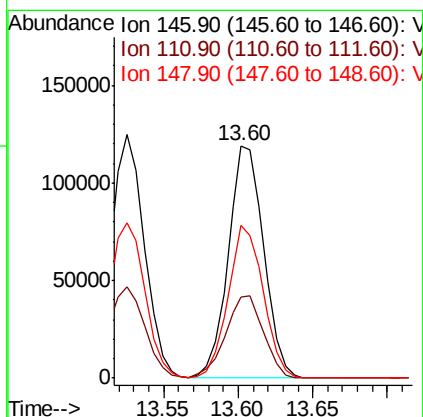
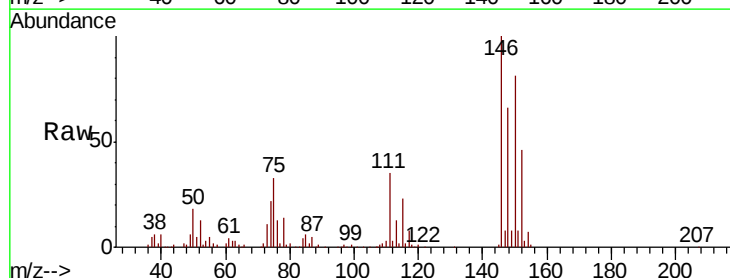
Tgt Ion:146 Resp: 197039

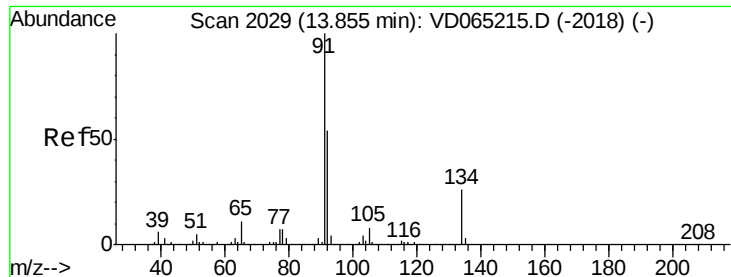
Ion Ratio Lower Upper

146 100

111 38.0 18.4 55.2

148 65.3 32.1 96.5

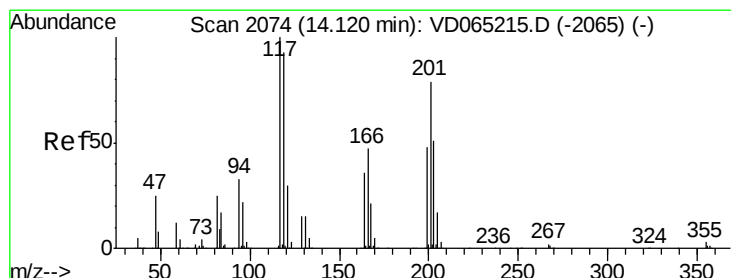
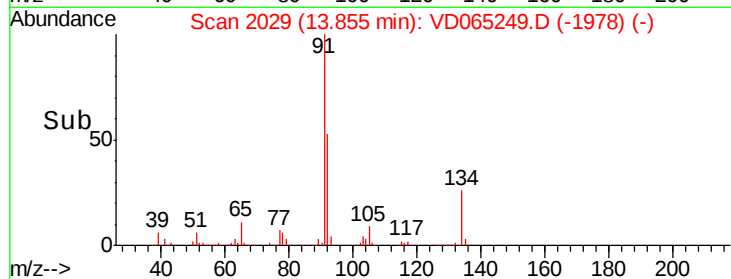
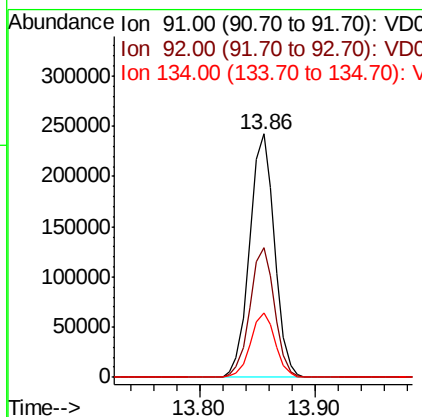
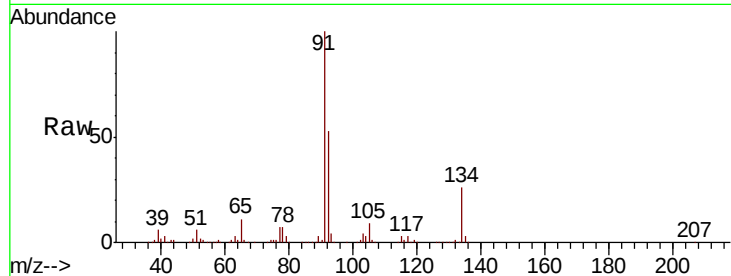




#89
n-Butylbenzene
Concen: 21.034 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

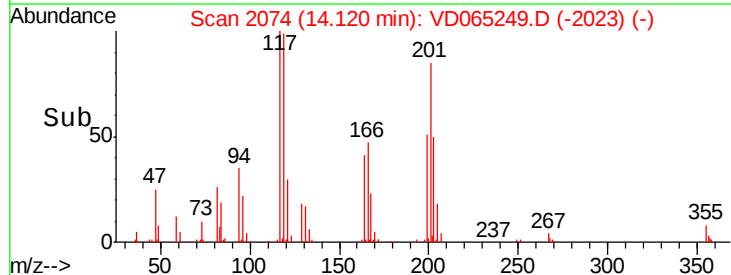
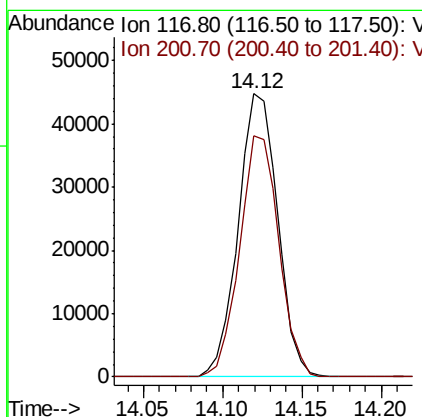
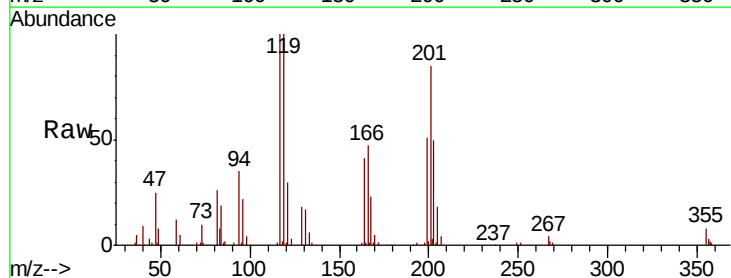
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 364503
Ion Ratio Lower Upper
91 100
92 52.5 27.0 80.8
134 26.3 13.5 40.4



#90
Hexachloroethane
Concen: 20.299 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion: 117 Resp: 77510
Ion Ratio Lower Upper
117 100
201 84.4 41.3 124.1

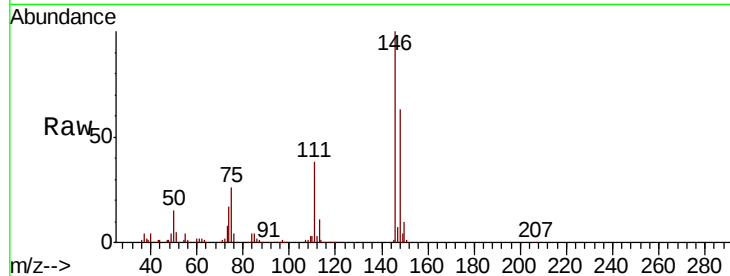




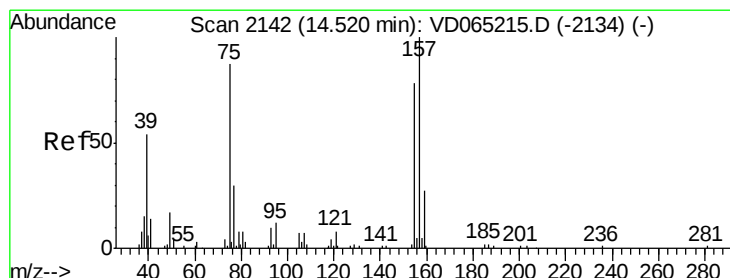
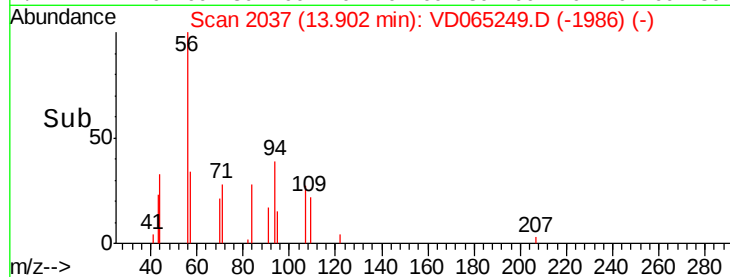
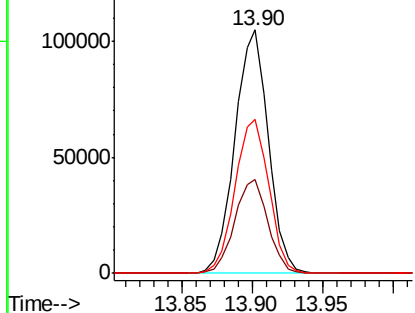
#91
 1,2-Dichlorobenzene
 Concen: 20.350 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.7	59.0
148	64.1	32.0	96.2

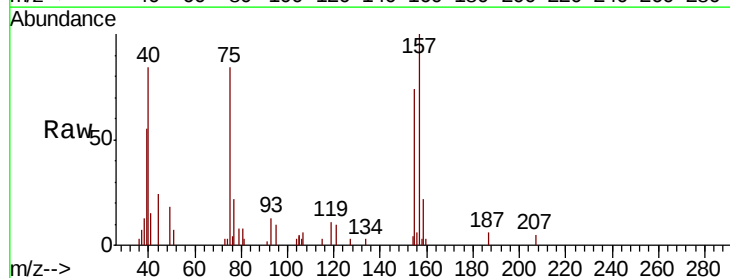


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

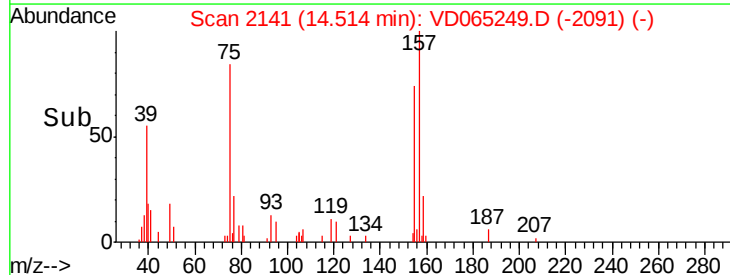
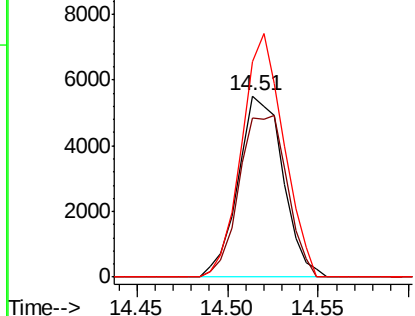


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.562 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.7	42.3	126.9
157	125.4	56.7	170.1



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

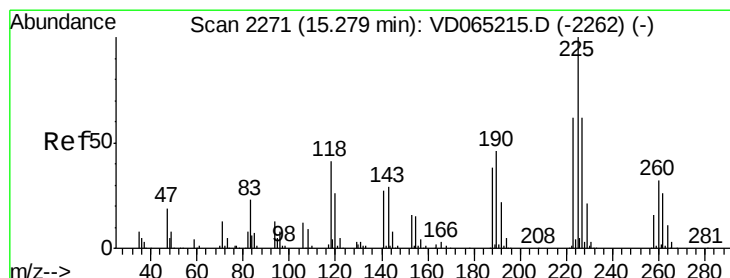
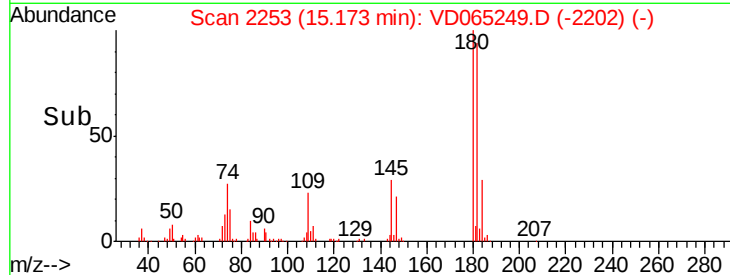
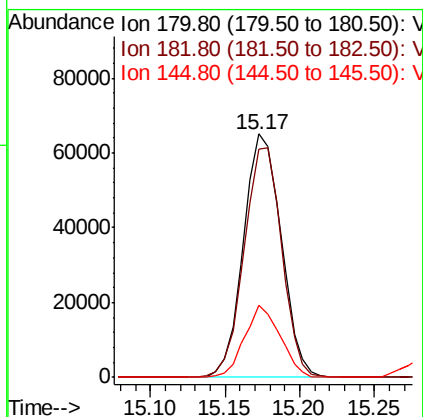
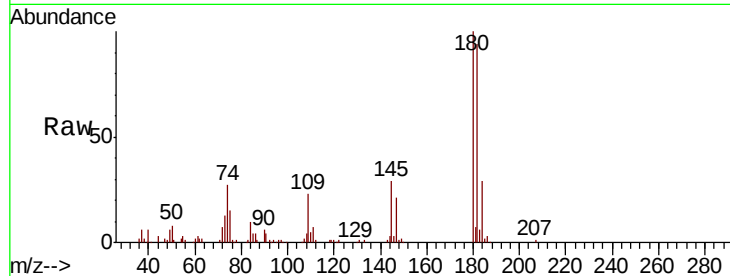




#93
 1,2,4-Trichlorobenzene
 Concen: 20.457 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

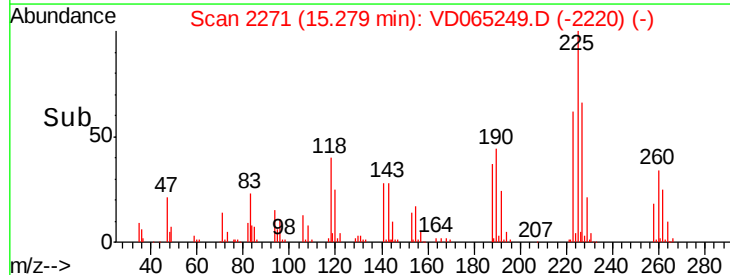
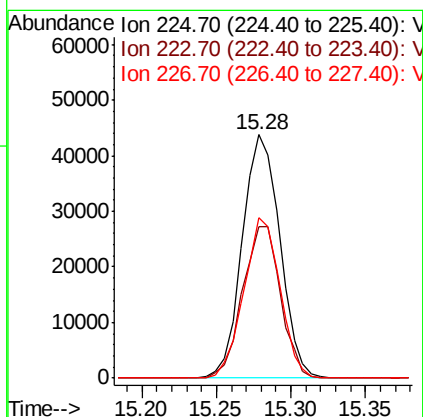
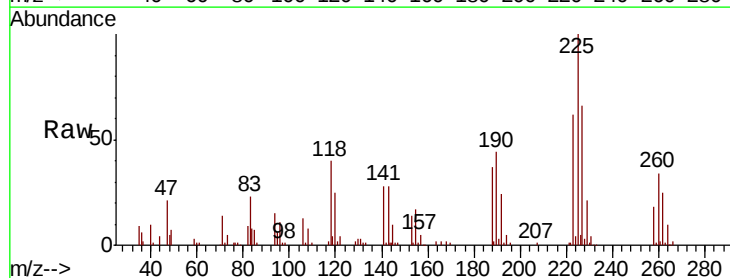
Instrument :
 MSVOA_D
 ClientSampleId :

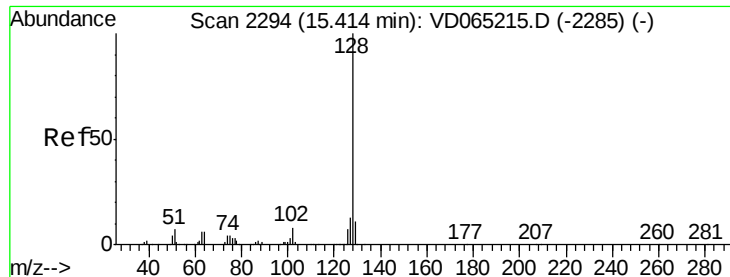
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	46.9	140.6
145	28.0	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 21.262 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.4	94.2
227	63.4	31.7	95.1

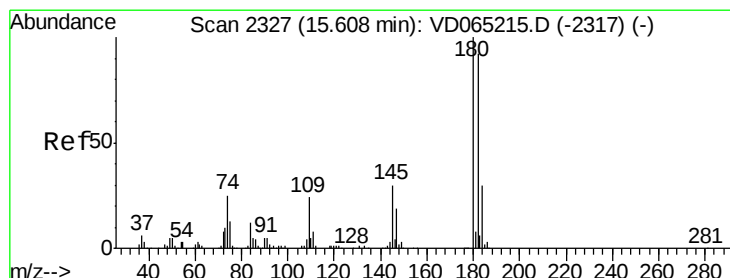
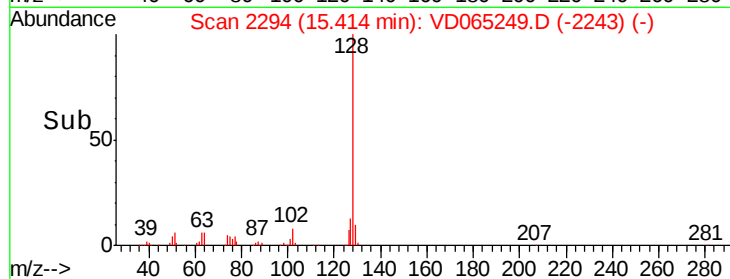
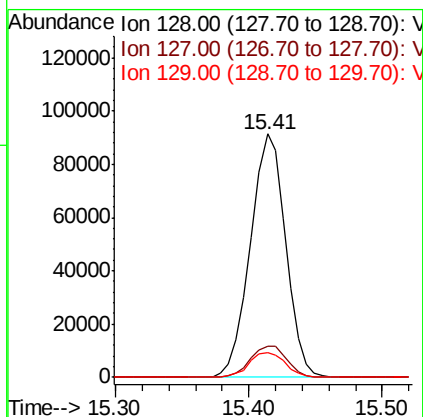
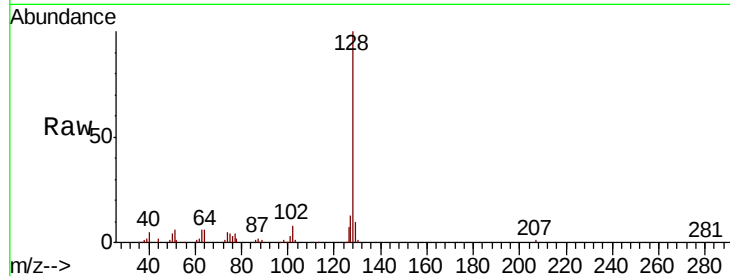




#95
Naphthalene
Concen: 18.390 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 166639
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 10.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.060 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion:180 Resp: 97657
Ion Ratio Lower Upper
180 100
182 95.8 46.9 140.6
145 28.9 15.4 46.1

