

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD020520\
 Data File : VD065063.D
 Acq On : 05 Feb 2020 14:36
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Feb 05 15:28:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:24:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	592136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	861289	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	751979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	364285	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	260153	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	
35) Dibromofluoromethane	7.92	113	256132	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
50) Toluene-d8	10.34	98	1028533	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.64	95	324417	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	256434	56.23	ug/l	100
3) Chloromethane	2.21	50	282827	44.05	ug/l	100
4) Vinyl Chloride	2.35	62	312056	42.65	ug/l	100
5) Bromomethane	2.77	94	193719	39.55	ug/l	100
6) Chloroethane	2.93	64	193287	40.41	ug/l	100
7) Trichlorofluoromethane	3.27	101	458071	40.84	ug/l	100
8) Diethyl Ether	3.71	74	126143	48.34	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	279277	51.32	ug/l	100
10) Methyl Iodide	4.30	142	328504	56.66	ug/l	100
11) Tert butyl alcohol	5.24	59	70945	232.65	ug/l	100
12) 1,1-Dichloroethene	4.06	96	261603	50.40	ug/l	100
13) Acrolein	3.93	56	89127	228.84	ug/l	100
14) Allyl chloride	4.71	41	437472	52.59	ug/l	100
15) Acrylonitrile	5.43	53	272553	241.31	ug/l	100
16) Acetone	4.17	43	302640	253.28	ug/l	100
17) Carbon Disulfide	4.40	76	849752	49.91	ug/l	100
18) Methyl Acetate	4.73	43	123370	46.72	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	570546	49.70	ug/l	100
20) Methylene Chloride	4.97	84	284757	43.19	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	291696	49.10	ug/l	100
22) Diisopropyl ether	6.37	45	824717	50.32	ug/l	100
23) Vinyl Acetate	6.31	43	2330221	245.29	ug/l	100
24) 1,1-Dichloroethane	6.27	63	490713	48.80	ug/l	100
25) 2-Butanone	7.23	43	358807	237.59	ug/l	100
26) 2,2-Dichloropropane	7.21	77	458681	49.99	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	315168	49.57	ug/l	100
28) Bromochloromethane	7.55	49	183293	47.14	ug/l	100
29) Tetrahydrofuran	7.57	42	219508	234.63	ug/l	100
30) Chloroform	7.71	83	492469	47.56	ug/l	100
31) Cyclohexane	7.98	56	487902	48.97	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	463983	48.13	ug/l	100
36) 1,1-Dichloropropene	8.11	75	412859	49.79	ug/l	100
37) Ethyl Acetate	7.30	43	158464	46.44	ug/l	100
38) Carbon Tetrachloride	8.10	117	421082	48.40	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	519957	53.19	ug/l	100
40) Benzene	8.36	78	1123358	49.24	ug/l	100
41) Methacrylonitrile	7.53	41	90588	50.43	ug/l	100
42) 1,2-Dichloroethane	8.43	62	318665	47.25	ug/l	100
43) Isopropyl Acetate	8.46	43	312464	48.22	ug/l	100
44) Trichloroethene	9.11	130	322028	50.11	ug/l	100
45) 1,2-Dichloropropane	9.39	63	271030	48.88	ug/l	100
46) Dibromomethane	9.48	93	139753	46.53	ug/l	100
47) Bromodichloromethane	9.67	83	372169	47.60	ug/l	100
48) Methyl methacrylate	9.46	41	148904	49.94	ug/l	100
49) 1,4-Dioxane	9.47	88	32617	945.05	ug/l	100
51) 4-Methyl-2-Pentanone	10.24	43	770902	239.26	ug/l	100
52) Toluene	10.41	92	730127	49.59	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	365453	49.05	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	435444	49.71	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	190863	47.23	ug/l	100
56) Ethyl methacrylate	10.67	69	248342	51.21	ug/l	100
57) 1,3-Dichloropropane	10.95	76	336933	48.51	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	474072	280.65	ug/l	100
59) 2-Hexanone	10.99	43	559968	251.10	ug/l	100
60) Dibromochloromethane	11.14	129	251097	46.63	ug/l	100
61) 1,2-Dibromoethane	11.26	107	186670	47.86	ug/l	100
64) Tetrachloroethene	10.88	164	277864	50.95	ug/l	100
65) Chlorobenzene	11.68	112	748582	48.91	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	280068	48.88	ug/l	100
67) Ethyl Benzene	11.75	91	1381941	50.94	ug/l	100
68) m/p-Xylenes	11.86	106	1064310	101.94	ug/l	100
69) o-Xylene	12.18	106	478212	51.48	ug/l	100
70) Styrene	12.20	104	835434	50.83	ug/l	100
71) Bromoform	12.37	173	145809	46.25	ug/l #	100
73) Isopropylbenzene	12.48	105	1307818	52.41	ug/l	100
74) N-amyl acetate	12.30	43	279073	50.28	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	197732	47.64	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	268049	90.99	ug/l #	100
77) Bromobenzene	12.77	156	306190	50.30	ug/l	100
78) n-propylbenzene	12.83	91	1534394	51.75	ug/l	100
79) 2-Chlorotoluene	12.91	91	841611	51.65	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1057474	51.73	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	70592	49.98	ug/l	100
82) 4-Chlorotoluene	13.01	91	879057	50.92	ug/l	100
83) tert-Butylbenzene	13.23	119	902648	52.10	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	1050764	50.90	ug/l	100
85) sec-Butylbenzene	13.41	105	1276999	51.90	ug/l	100
86) p-Isopropyltoluene	13.53	119	1188214	51.84	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	571105	49.01	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	562491	48.64	ug/l	100
89) n-Butylbenzene	13.86	91	1096140	52.40	ug/l	100
90) Hexachloroethane	14.12	117	220337	49.97	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	489302	49.49	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	32123	48.06	ug/l	100

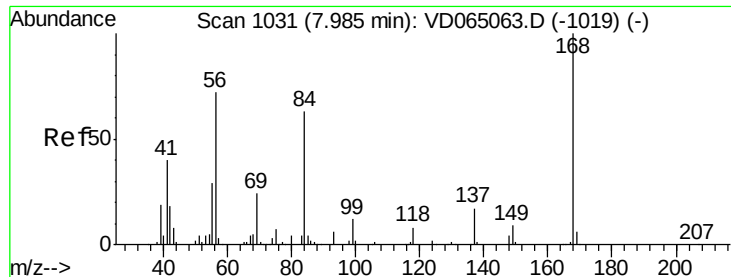
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD020520\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	353150	51.29	ug/l	100
94) Hexachlorobutadiene	15.28	225	217111	49.85	ug/l	100
95) Naphthalene	15.41	128	575292	51.99	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	293554	49.60	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

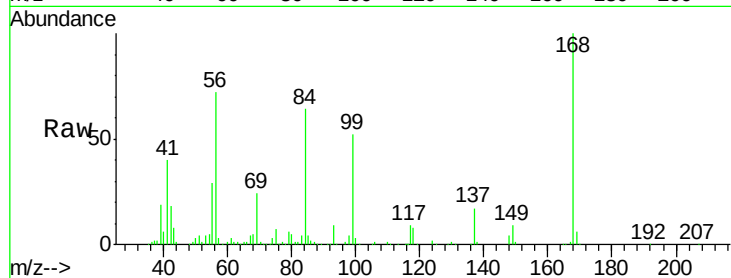
VSTDICCC050

Tgt Ion: 168 Resp: 592136

Ion Ratio Lower Upper

168 100

99 51.3 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

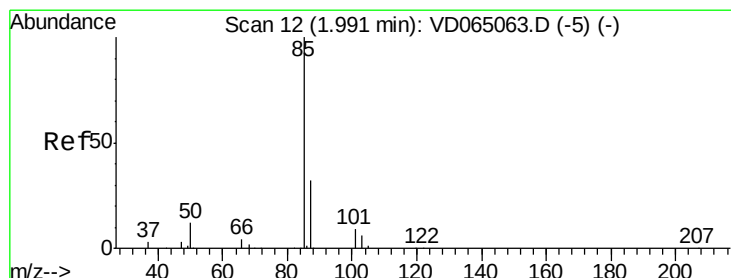
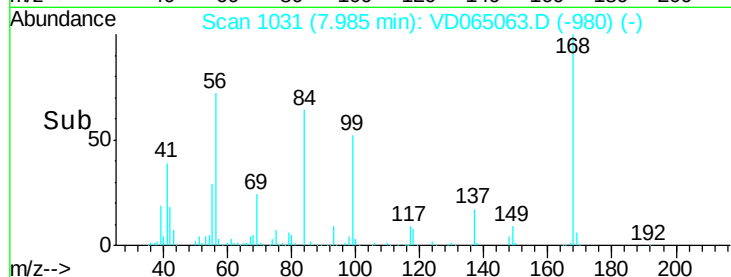
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 56.23 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065063.D

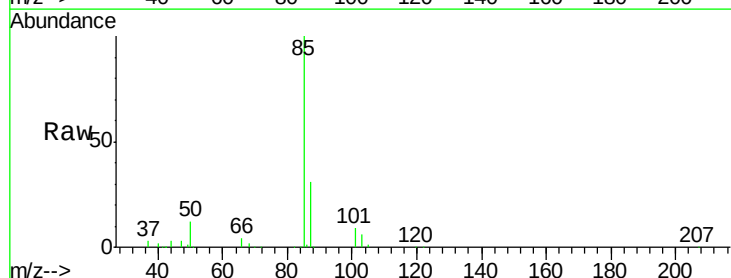
Acq: 05 Feb 2020 14:36

Tgt Ion: 85 Resp: 256434

Ion Ratio Lower Upper

85 100

87 31.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

200000

150000

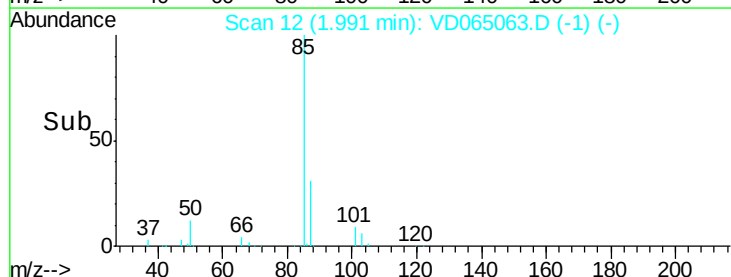
100000

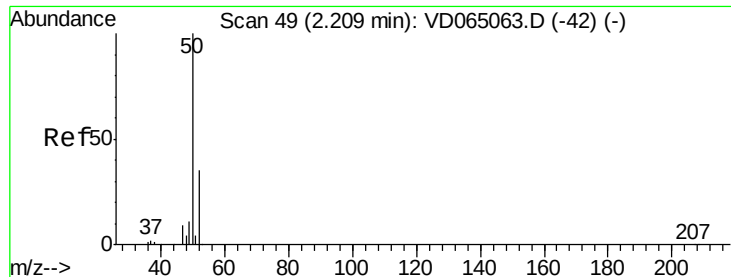
50000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 44.05 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

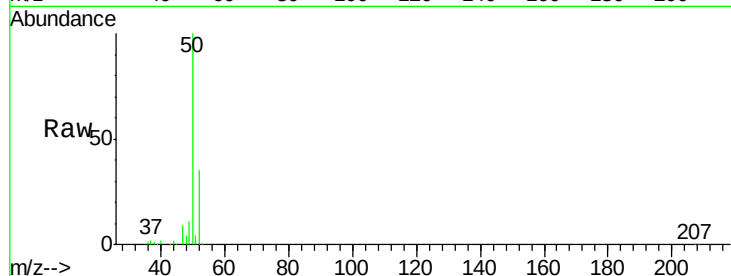
VSTDICCC050

Tgt Ion: 50 Resp: 282827

Ion Ratio Lower Upper

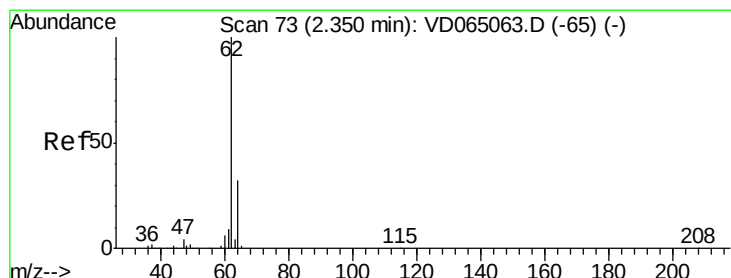
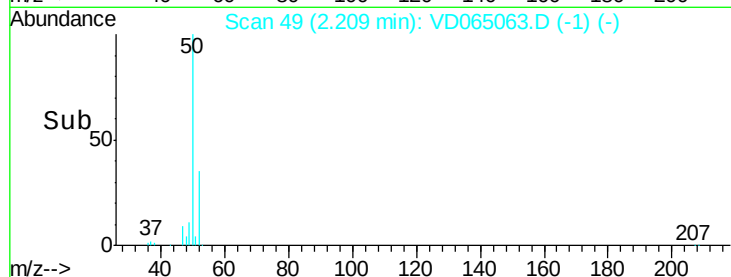
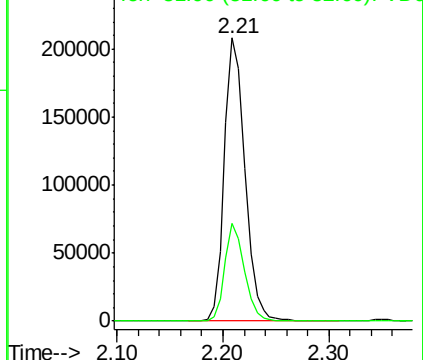
50 100

52 34.7 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 42.65 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065063.D

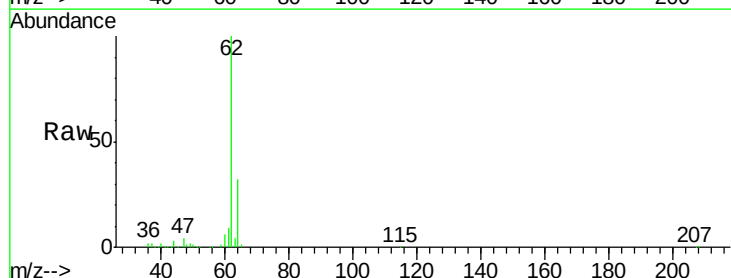
Acq: 05 Feb 2020 14:36

Tgt Ion: 62 Resp: 312056

Ion Ratio Lower Upper

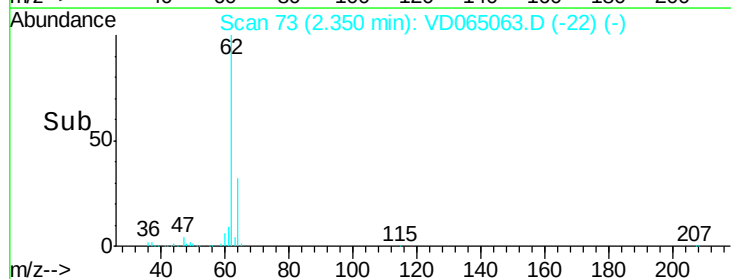
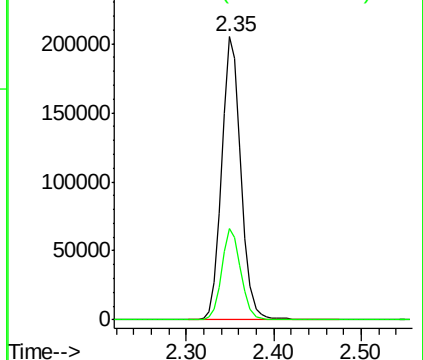
62 100

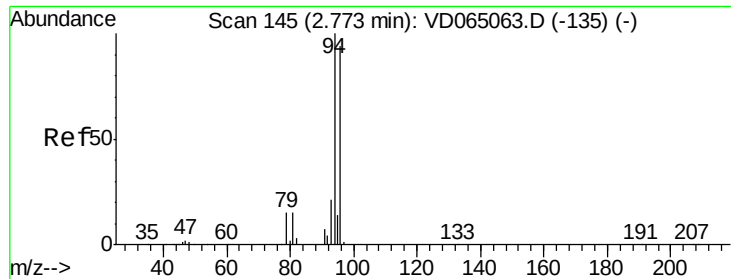
64 32.4 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 39.55 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

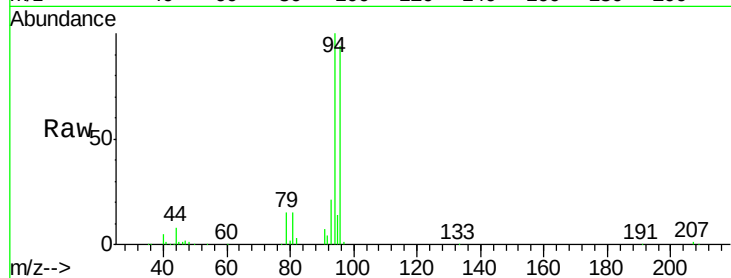
VSTDICCC050

Tgt Ion: 94 Resp: 193719

Ion Ratio Lower Upper

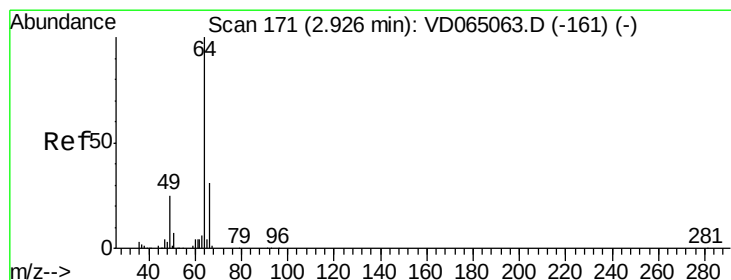
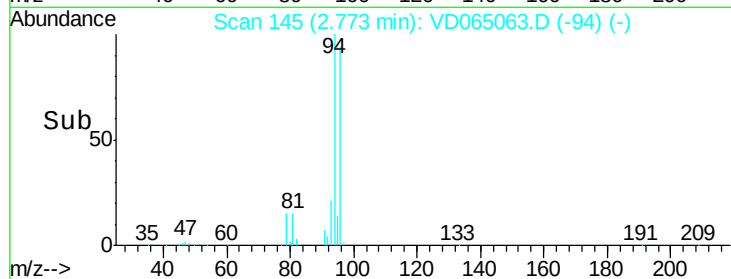
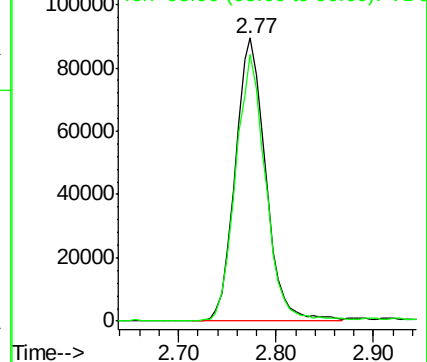
94 100

96 94.2 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 40.41 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065063.D

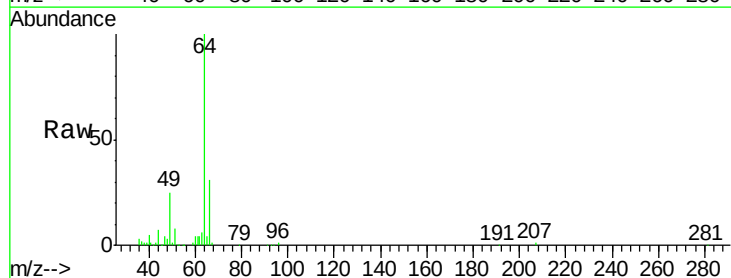
Acq: 05 Feb 2020 14:36

Tgt Ion: 64 Resp: 193287

Ion Ratio Lower Upper

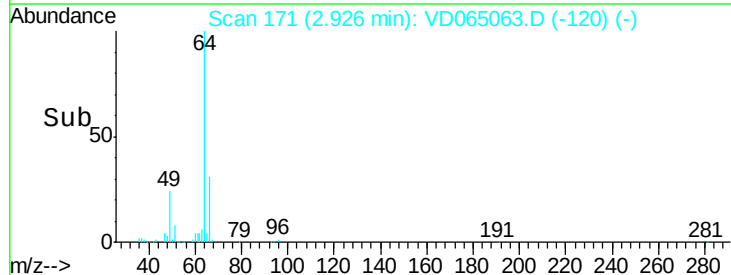
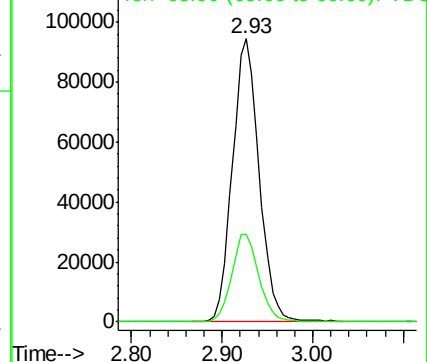
64 100

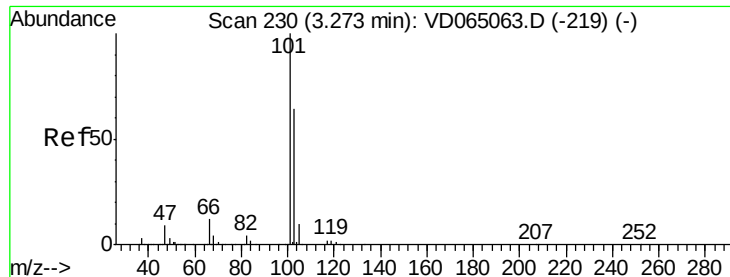
66 31.0 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



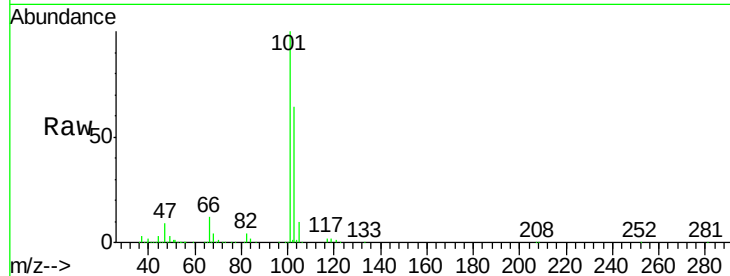


#7

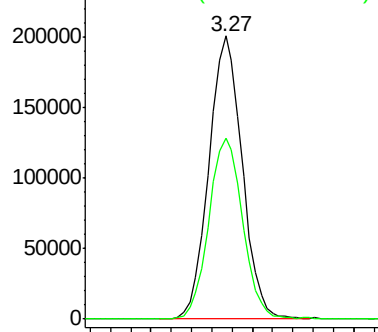
Trichlorofluoromethane
 Concen: 40.84 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065063.D
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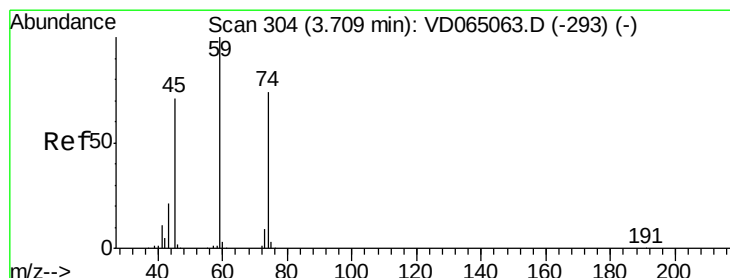
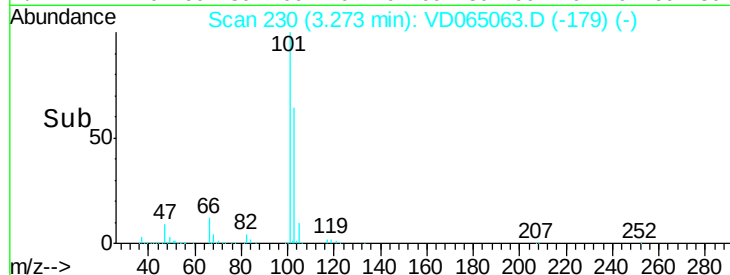
Tgt Ion: 101 Resp: 458071
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.0 76.6



Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



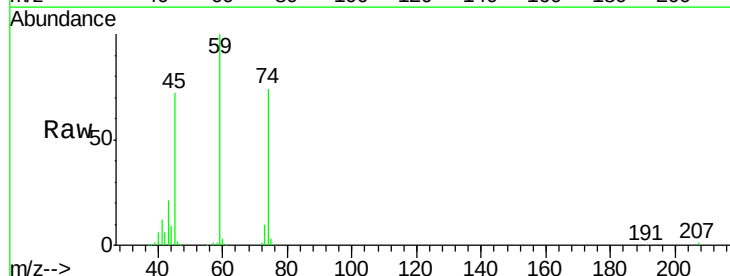
Time-->



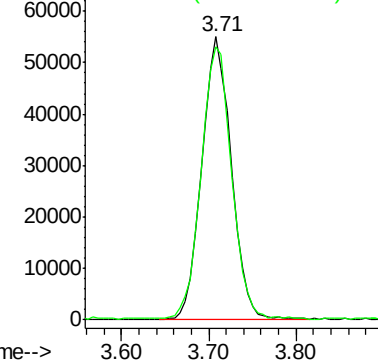
#8

Diethyl Ether
 Concen: 48.34 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

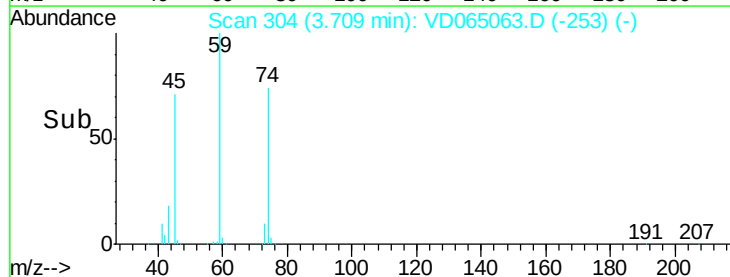
Tgt Ion: 74 Resp: 126143
 Ion Ratio Lower Upper
 74 100
 45 98.0 49.0 147.0

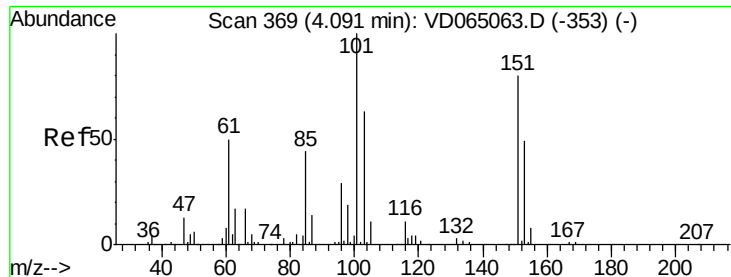


Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.00 (44.70 to 45.70): VDC



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.32 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065063.D

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Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

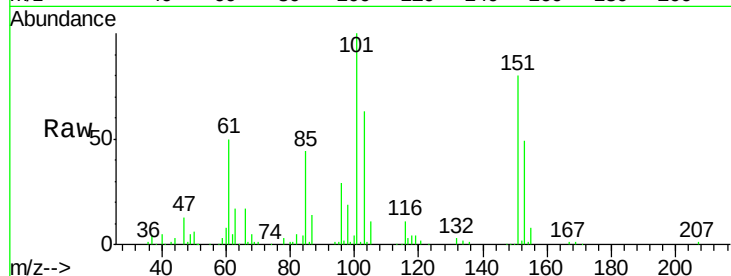
Tgt Ion:101 Resp: 279277

Ion Ratio Lower Upper

101 100

85 42.5 34.0 51.0

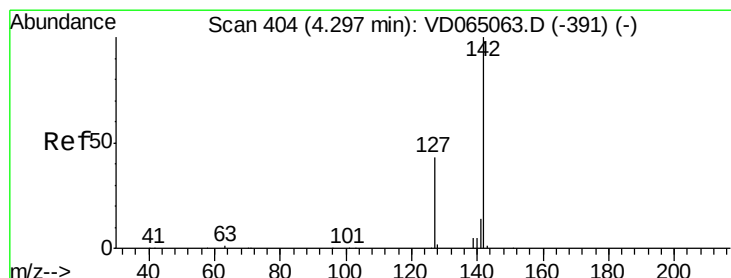
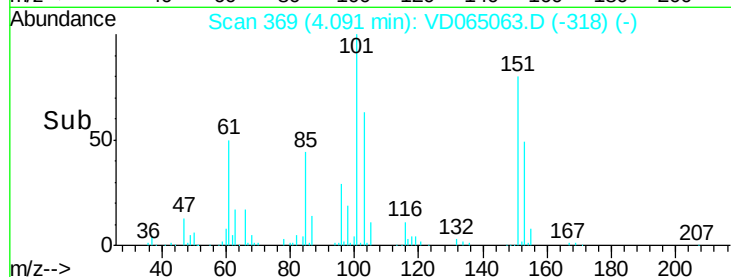
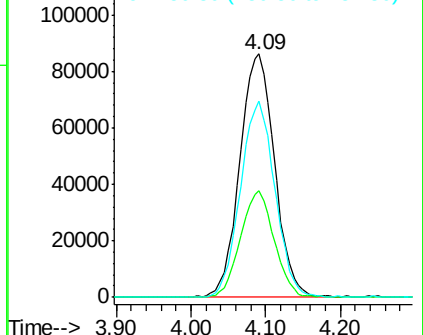
151 80.0 64.0 96.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 56.66 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

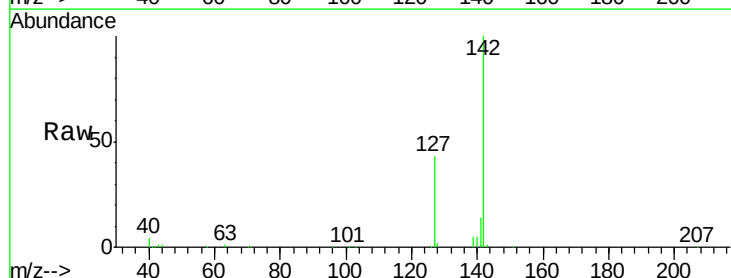
Tgt Ion:142 Resp: 328504

Ion Ratio Lower Upper

142 100

127 42.5 34.0 51.0

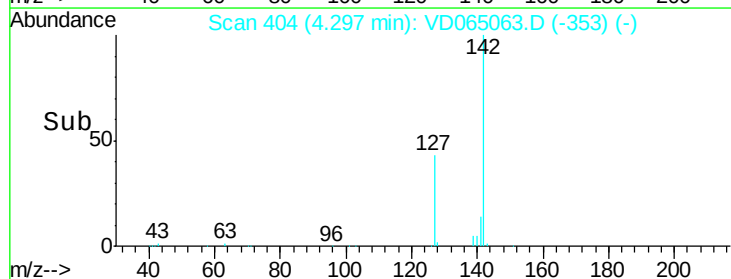
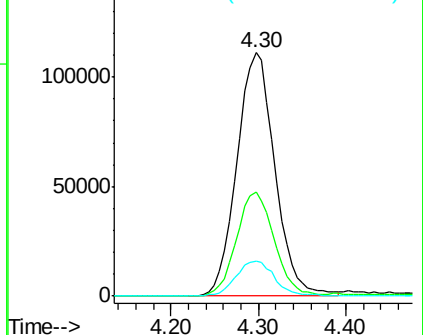
141 14.5 11.6 17.4

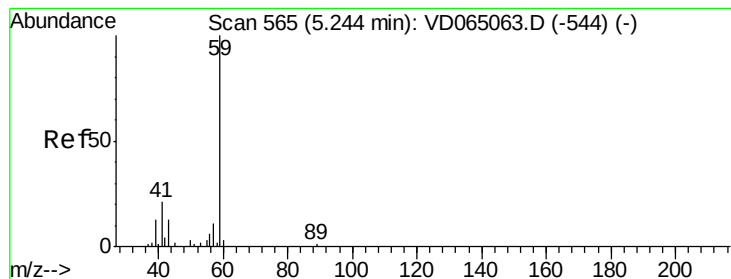


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 232.65 ug/l

RT: 5.24 min Scan# 565

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

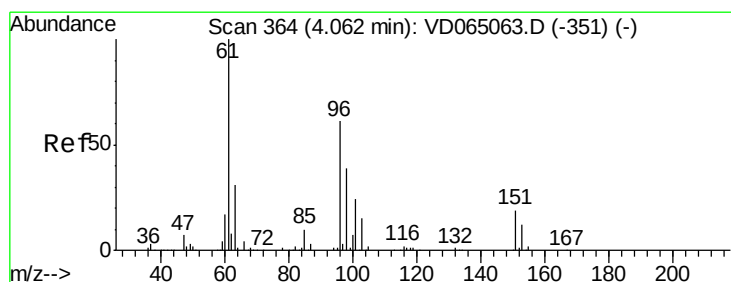
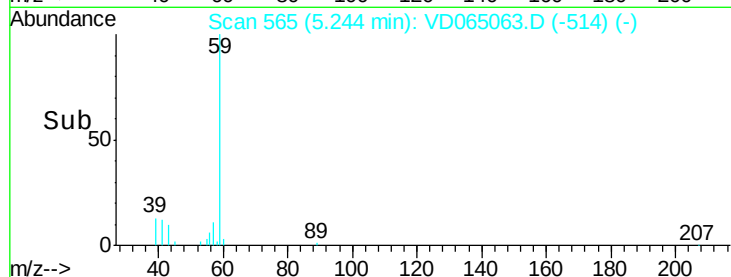
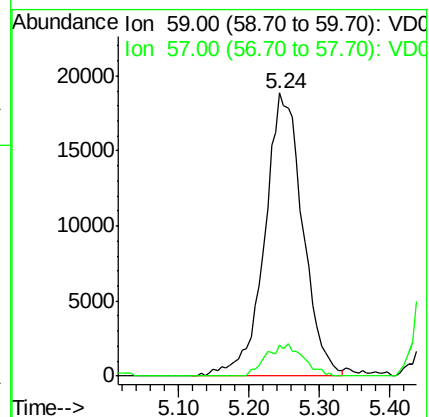
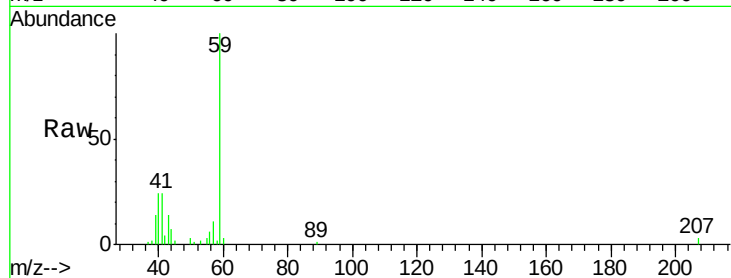
VSTDICCC050

Tgt Ion: 59 Resp: 70945

Ion Ratio Lower Upper

59 100

57 11.0 8.8 13.2



#12

1,1-Dichloroethene

Concen: 50.40 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

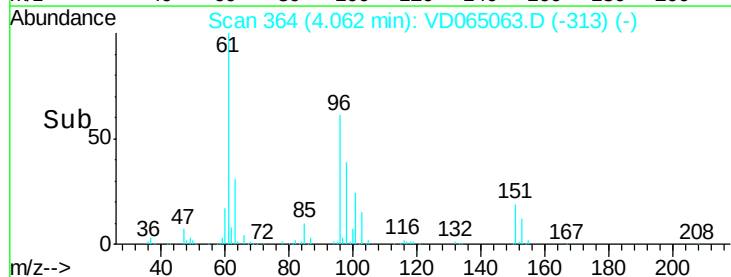
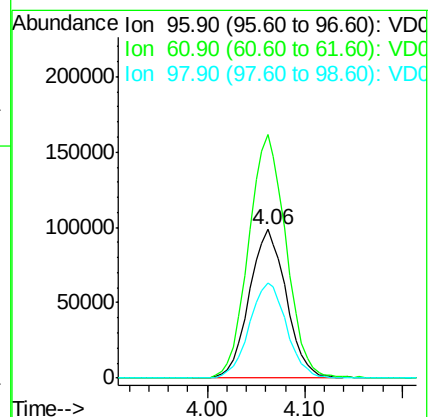
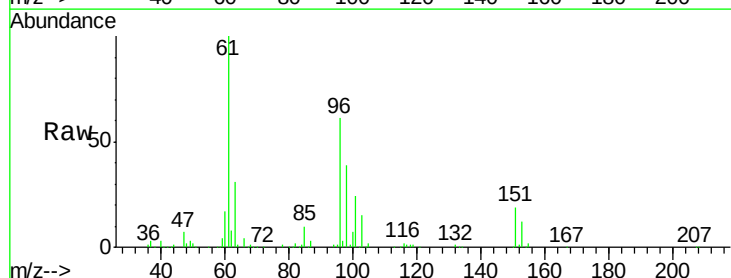
Tgt Ion: 96 Resp: 261603

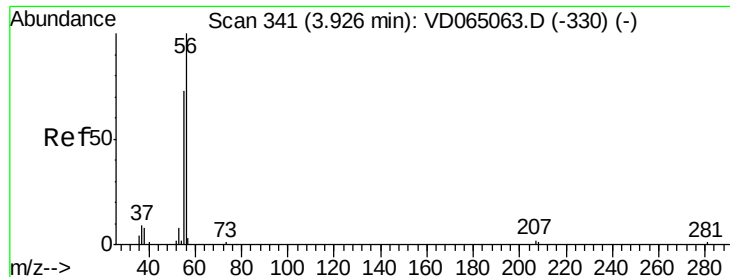
Ion Ratio Lower Upper

96 100

61 164.3 131.4 197.2

98 63.9 51.1 76.7





#13

Acrolein

Concen: 228.84 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

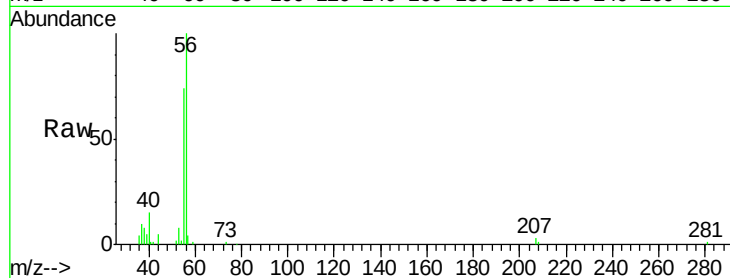
VSTDICCC050

Tgt Ion: 56 Resp: 89127

Ion Ratio Lower Upper

56 100

55 72.7 58.2 87.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

40000

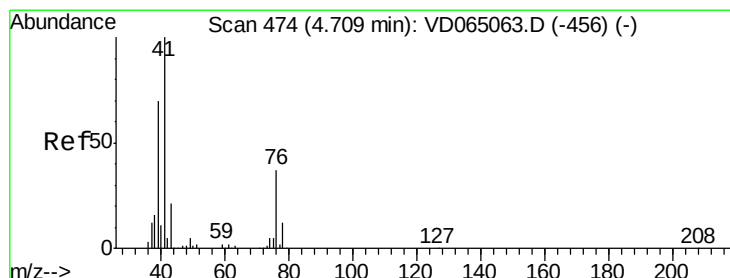
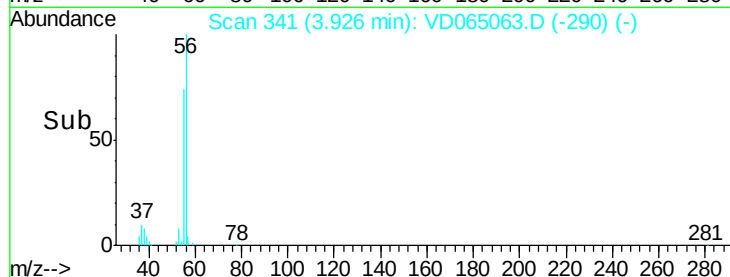
30000

20000

10000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 52.59 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

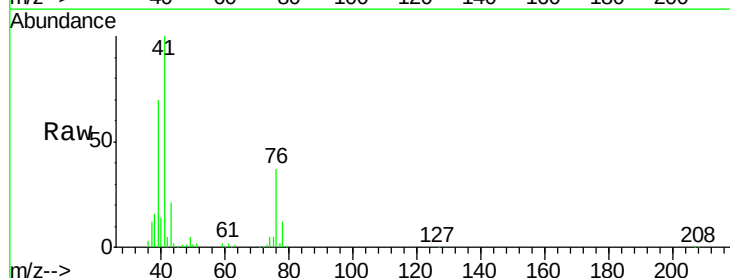
Tgt Ion: 41 Resp: 437472

Ion Ratio Lower Upper

41 100

39 71.4 57.1 85.7

76 35.0 28.0 42.0



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

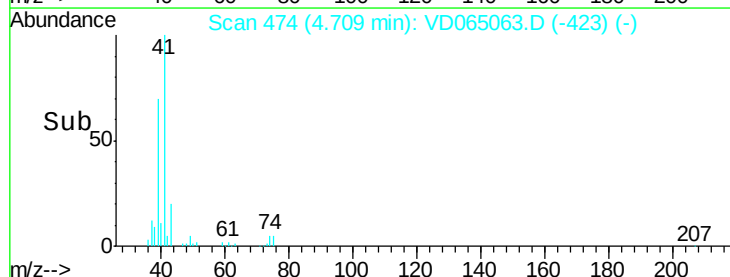
150000

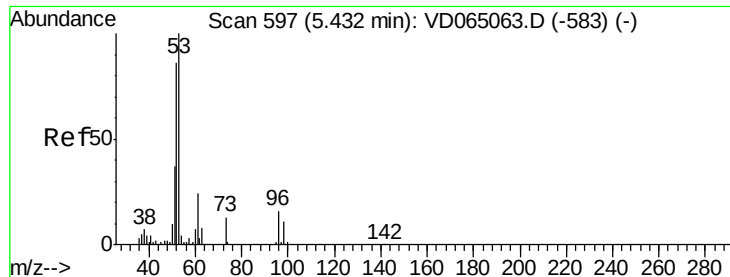
100000

50000

0

Time--> 4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 241.31 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

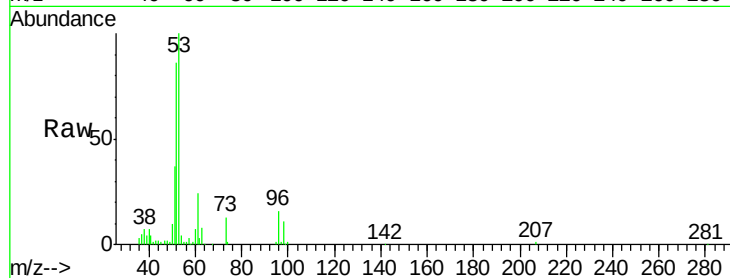
Tgt Ion: 53 Resp: 272553

Ion Ratio Lower Upper

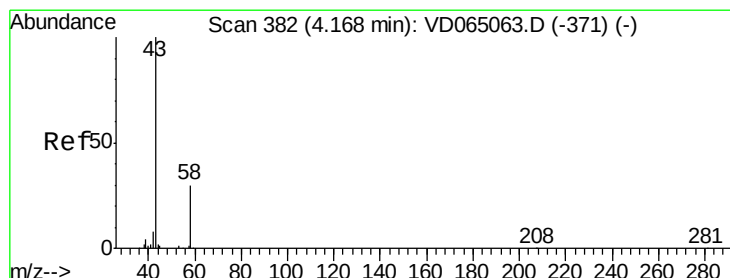
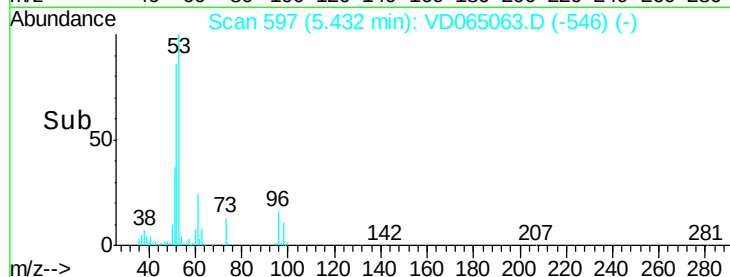
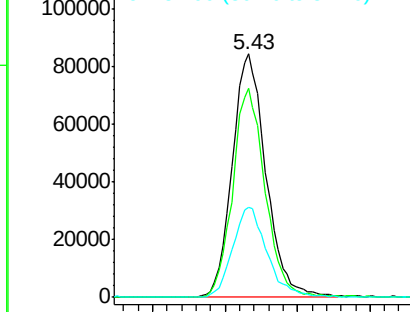
53 100

52 82.7 66.2 99.2

51 38.0 30.4 45.6



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 253.28 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065063.D

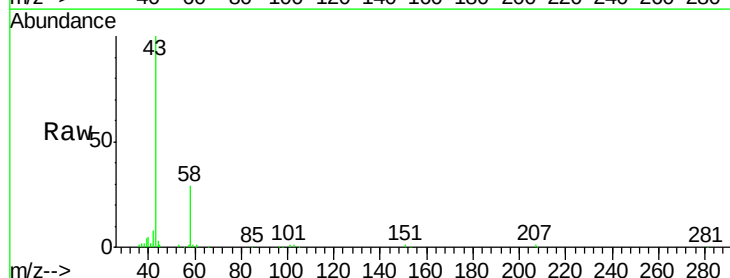
Acq: 05 Feb 2020 14:36

Tgt Ion: 43 Resp: 302640

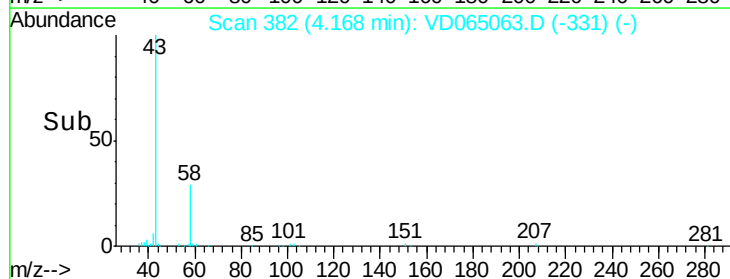
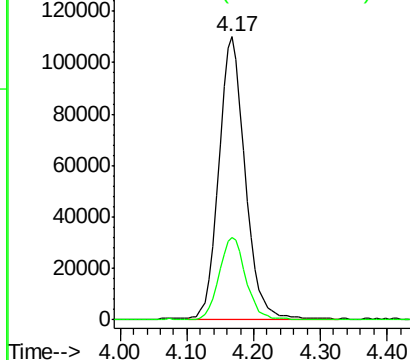
Ion Ratio Lower Upper

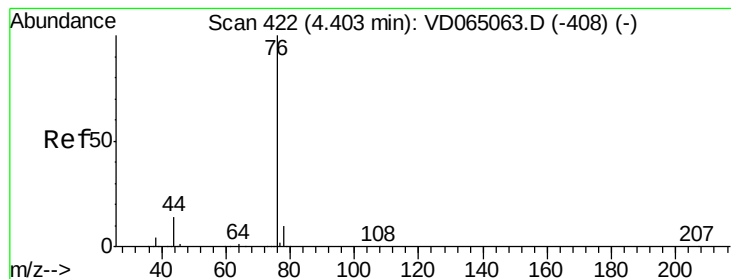
43 100

58 29.4 23.5 35.3



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





#17

Carbon Disulfide

Concen: 49.91 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

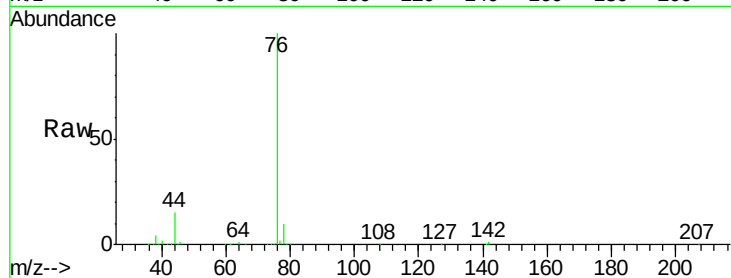
VSTDICCC050

Tgt Ion: 76 Resp: 849752

Ion Ratio Lower Upper

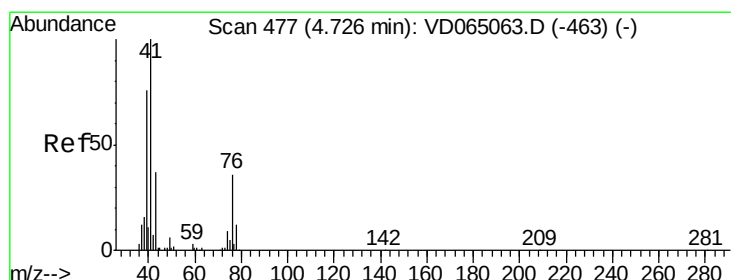
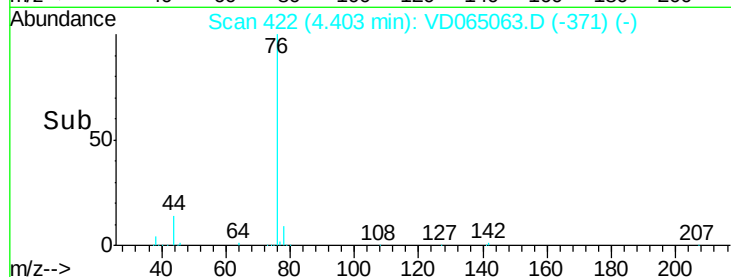
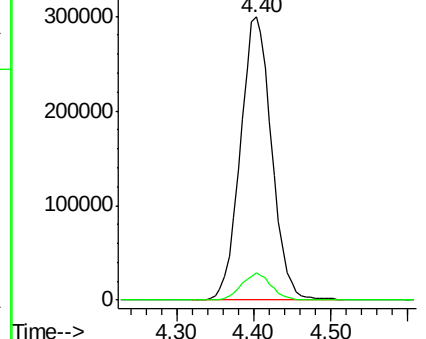
76 100

78 9.5 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 46.72 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065063.D

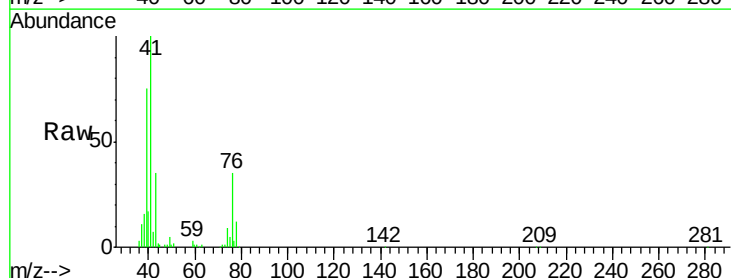
Acq: 05 Feb 2020 14:36

Tgt Ion: 43 Resp: 123370

Ion Ratio Lower Upper

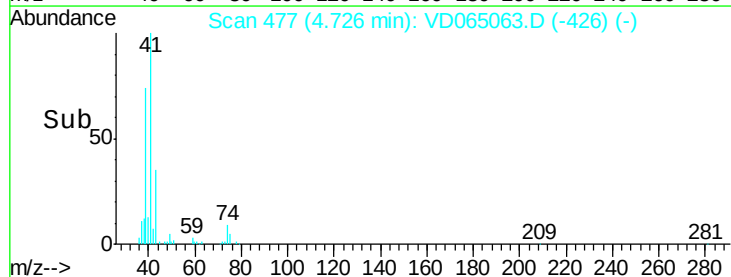
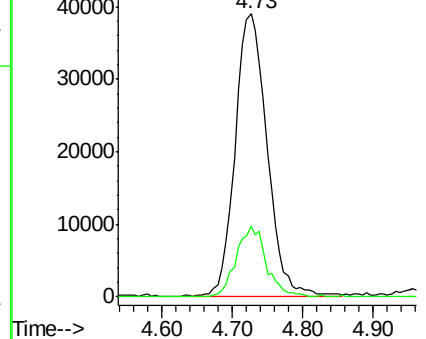
43 100

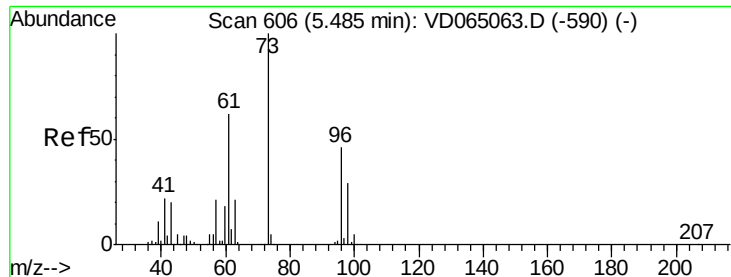
74 23.4 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

Methyl tert-butyl Ether

Concen: 49.70 ug/l

RT: 5.49 min Scan# 606

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

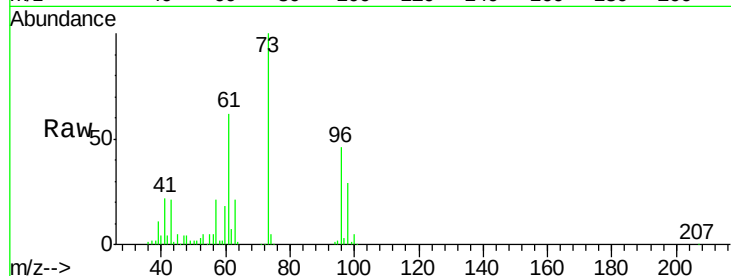
VSTDICCC050

Tgt Ion: 73 Resp: 570546

Ion Ratio Lower Upper

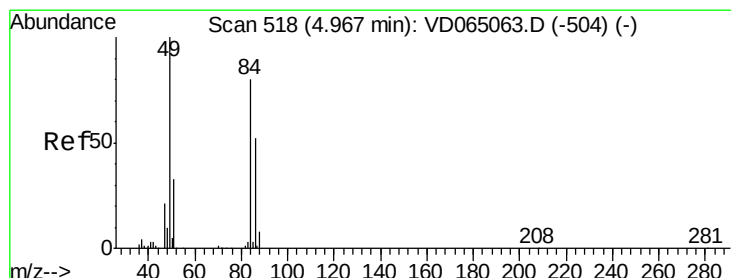
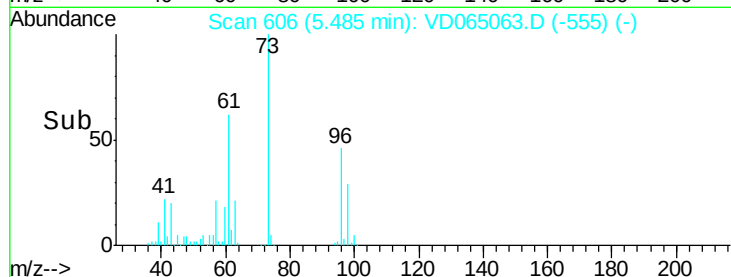
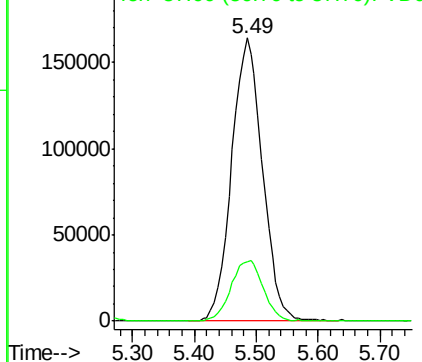
73 100

57 21.0 16.8 25.2



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#20

Methylene Chloride

Concen: 43.19 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Tgt Ion: 84 Resp: 284757

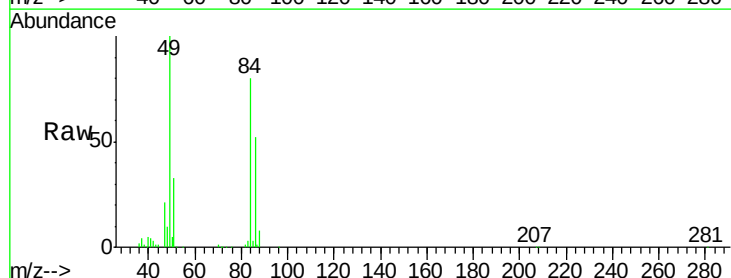
Ion Ratio Lower Upper

84 100

49 125.5 100.4 150.6

51 40.9 32.7 49.1

86 65.5 52.4 78.6

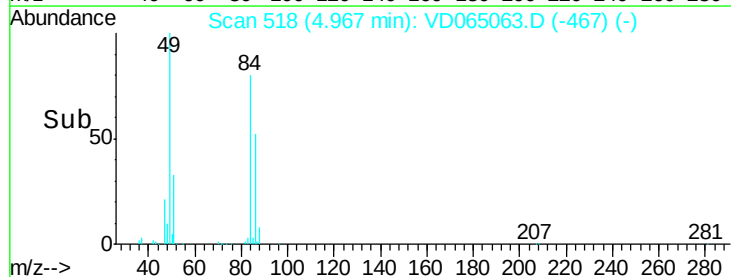
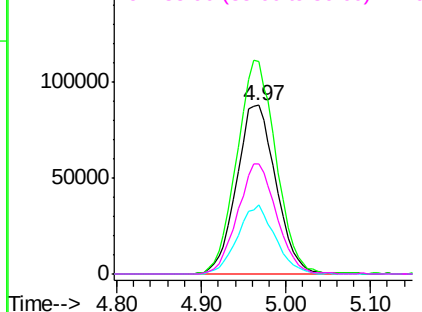


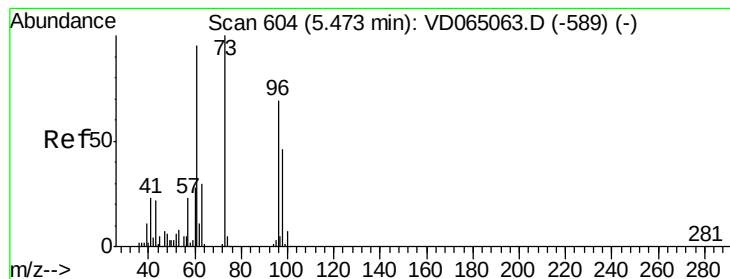
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 49.10 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

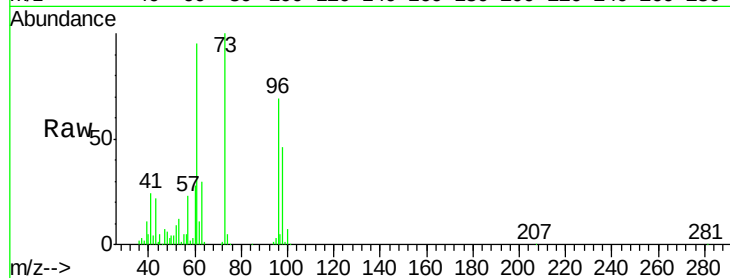
Tgt Ion: 96 Resp: 291696

Ion Ratio Lower Upper

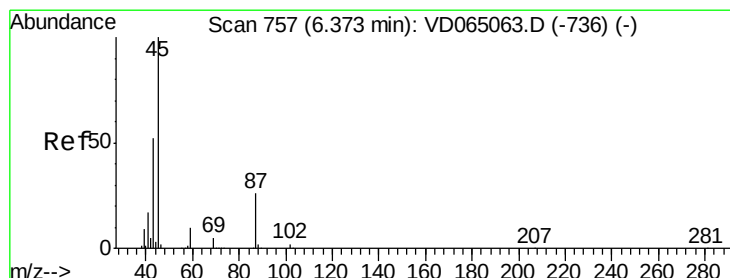
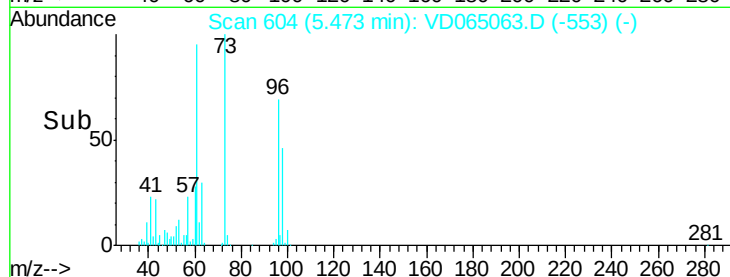
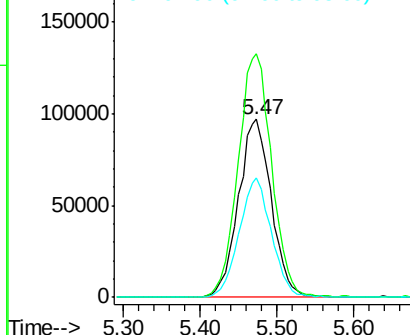
96 100

61 136.9 109.5 164.3

98 67.1 53.7 80.5



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



#22

Diisopropyl ether

Concen: 50.32 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Tgt Ion: 45 Resp: 824717

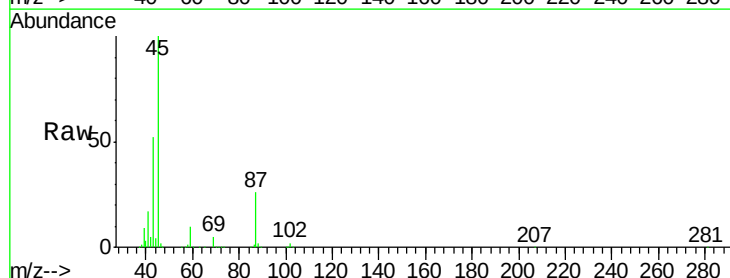
Ion Ratio Lower Upper

45 100

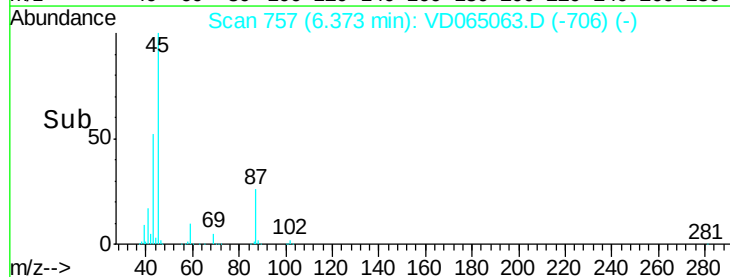
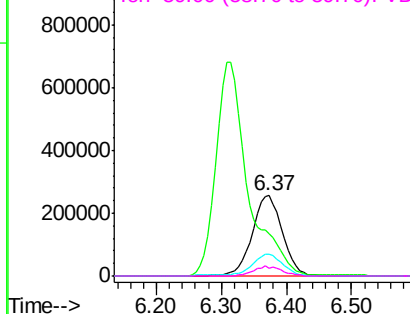
43 51.6 41.3 61.9

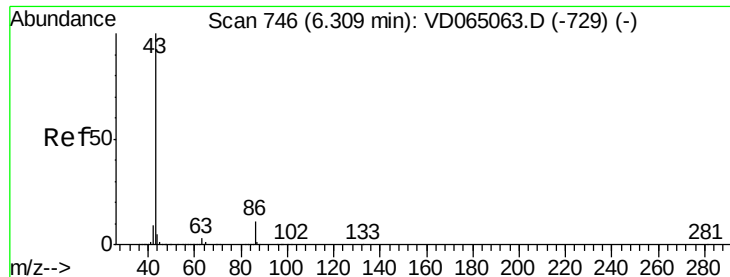
87 26.3 21.0 31.6

59 10.3 8.2 12.4



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





#23

Vinyl Acetate

Concen: 245.29 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

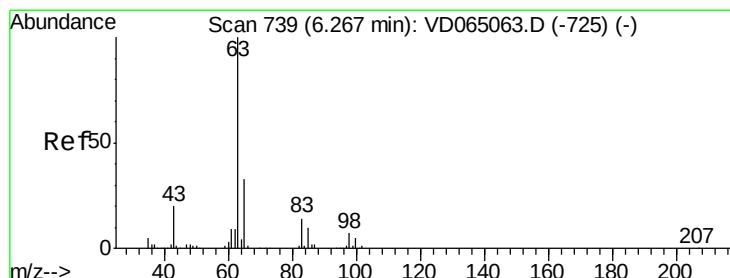
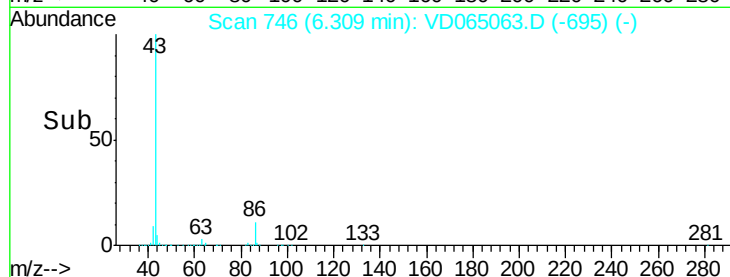
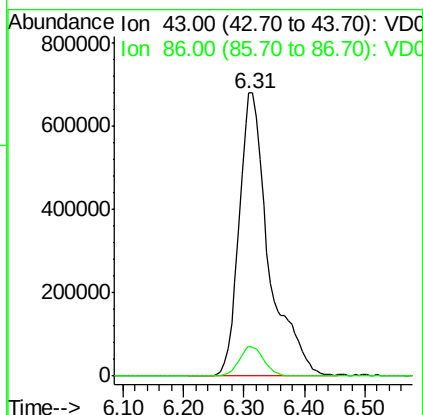
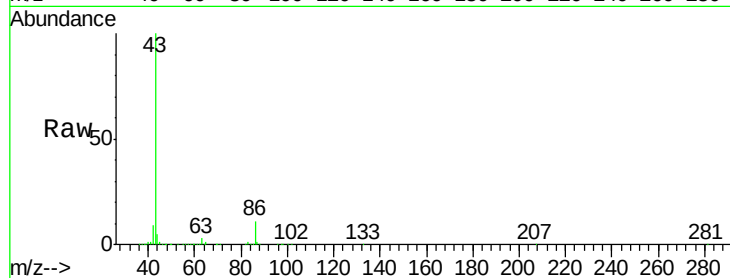
VSTDICCC050

Tgt Ion: 43 Resp: 2330221

Ion Ratio Lower Upper

43 100

86 10.6 8.5 12.7



#24

1,1-Dichloroethane

Concen: 48.80 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

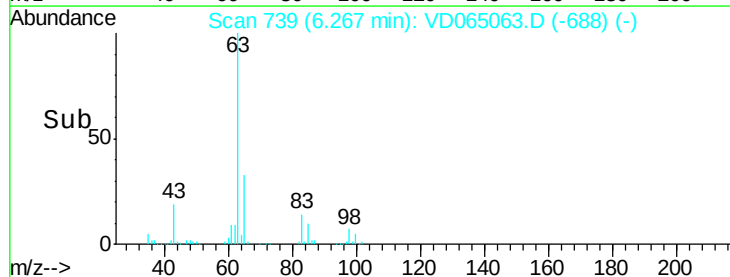
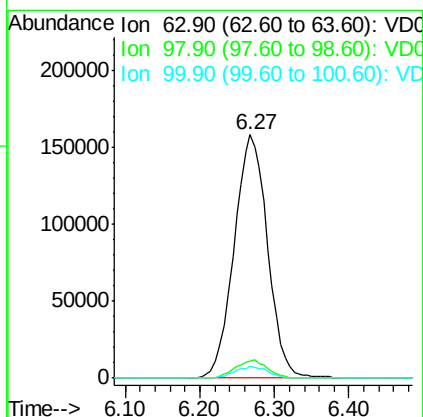
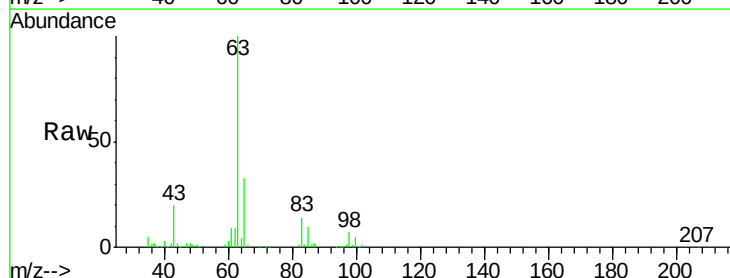
Tgt Ion: 63 Resp: 490713

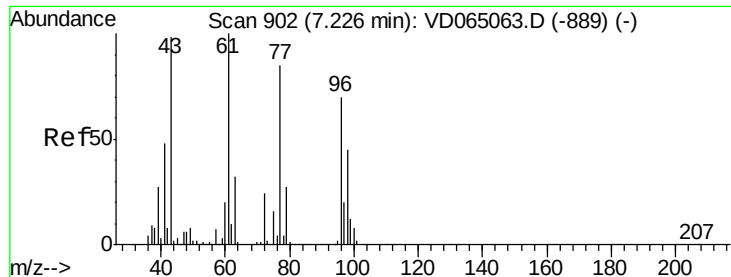
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 5.1 2.5 7.6





#25

2-Butanone

Concen: 237.59 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

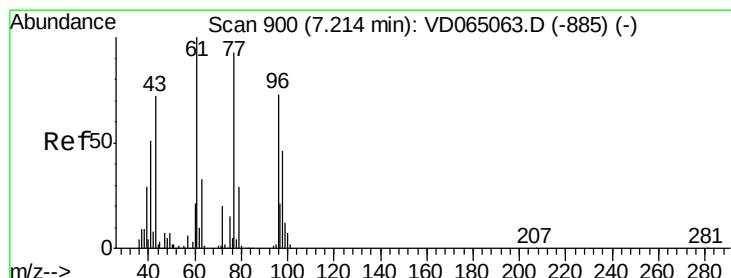
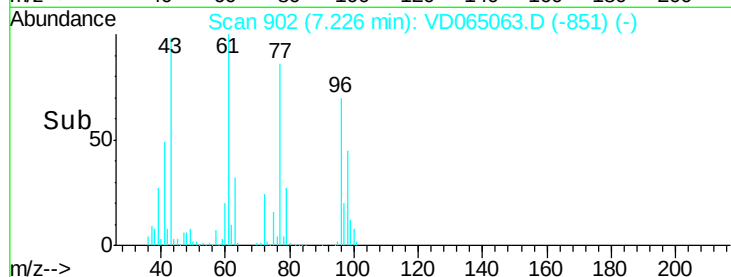
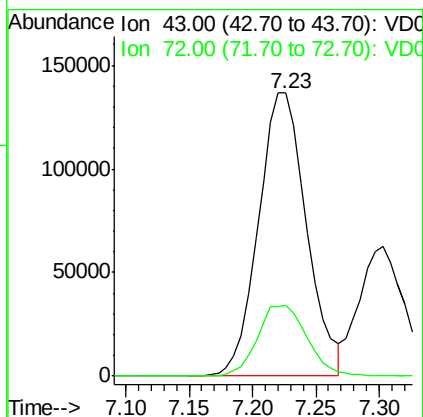
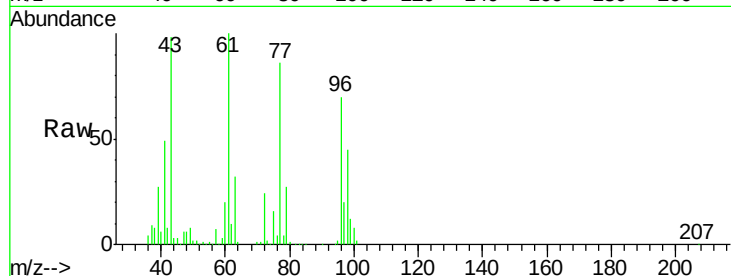
VSTDICCC050

Tgt Ion: 43 Resp: 358807

Ion Ratio Lower Upper

43 100

72 24.9 19.9 29.9



#26

2,2-Dichloropropane

Concen: 49.99 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065063.D

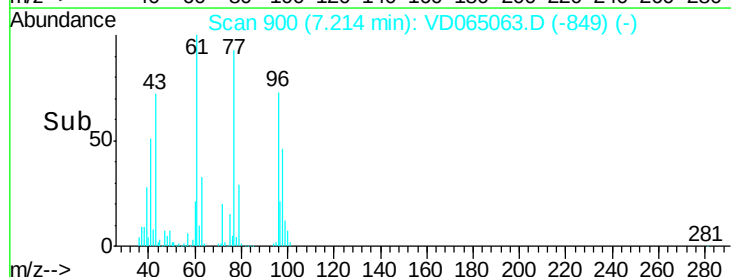
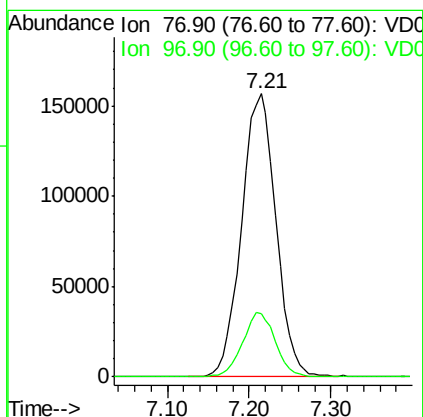
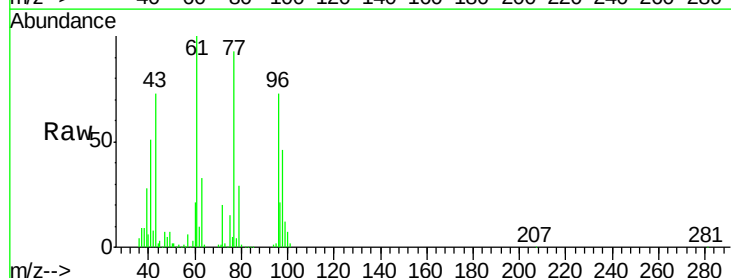
Acq: 05 Feb 2020 14:36

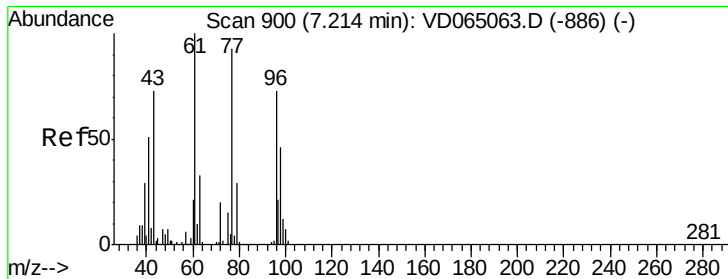
Tgt Ion: 77 Resp: 458681

Ion Ratio Lower Upper

77 100

97 21.7 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 49.57 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

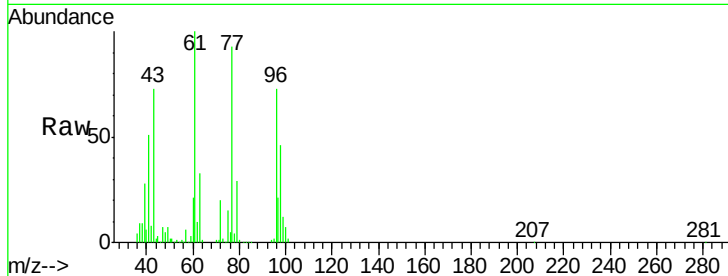
Tgt Ion: 96 Resp: 315168

Ion Ratio Lower Upper

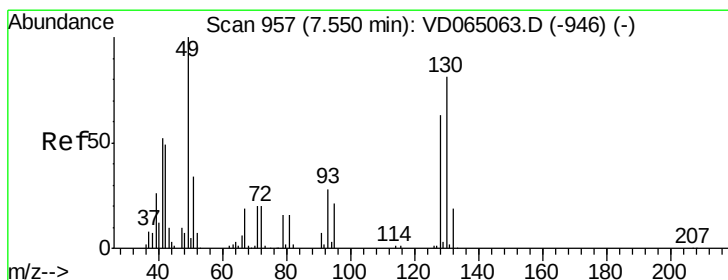
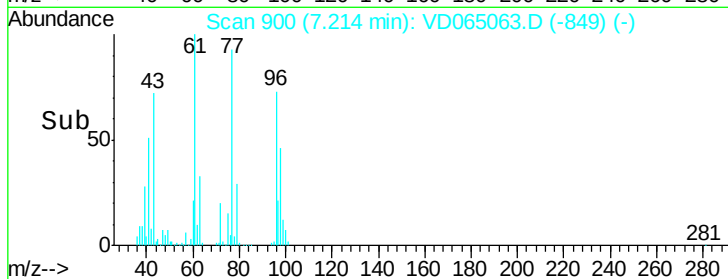
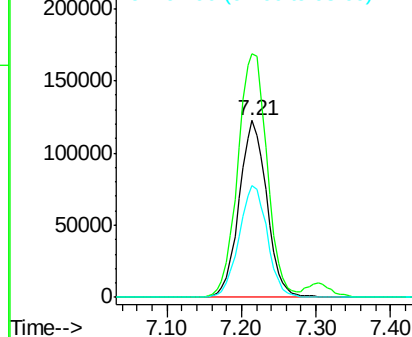
96 100

61 146.4 0.0 292.8

98 64.4 0.0 128.8



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



#28

Bromochloromethane

Concen: 47.14 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

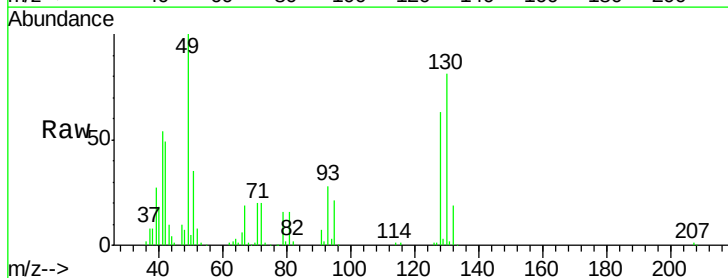
Tgt Ion: 49 Resp: 183293

Ion Ratio Lower Upper

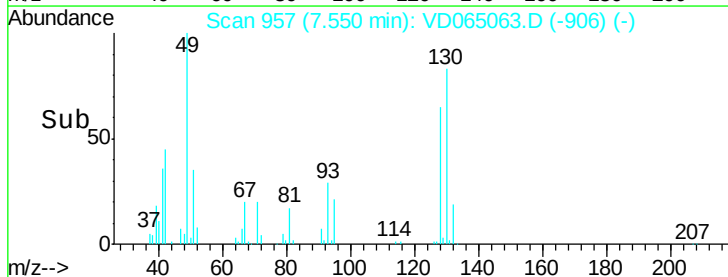
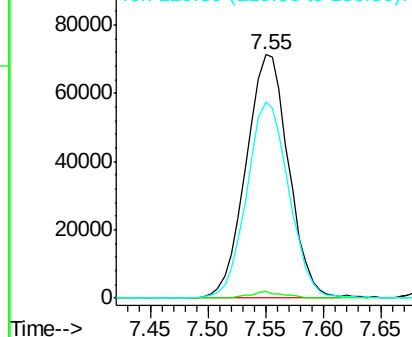
49 100

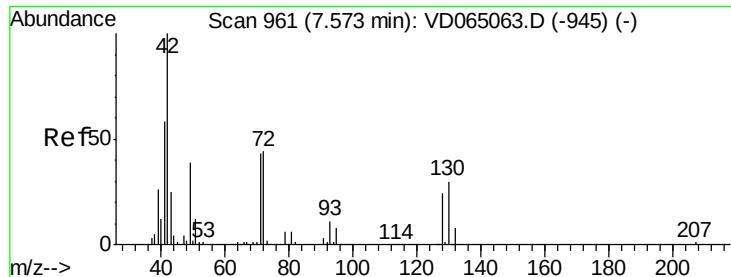
129 2.2 0.0 4.4

130 79.8 63.8 95.8



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

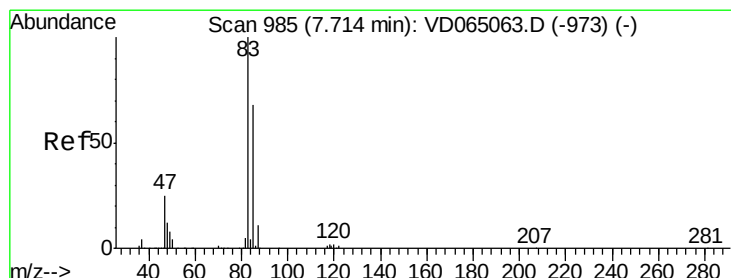
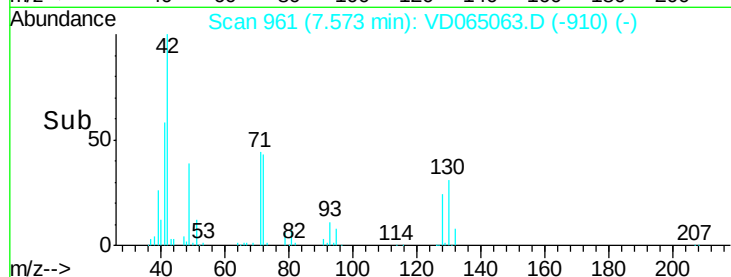
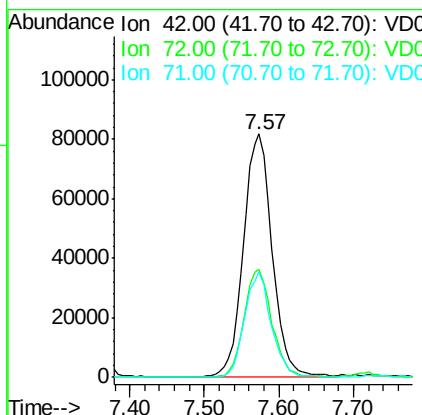
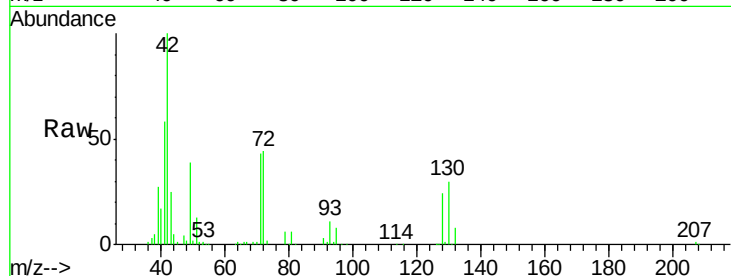




#29
Tetrahydrofuran
Concen: 234.63 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

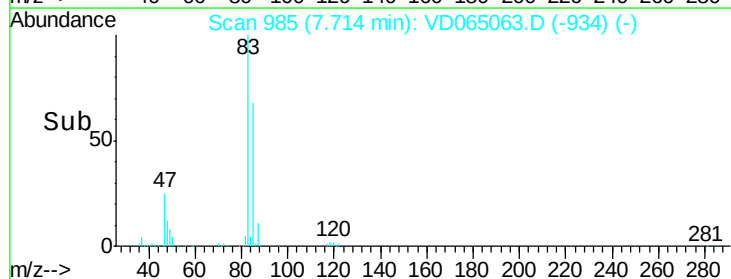
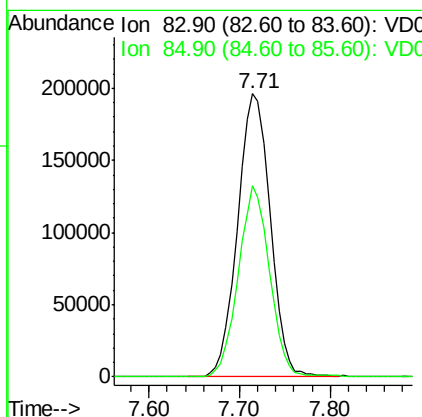
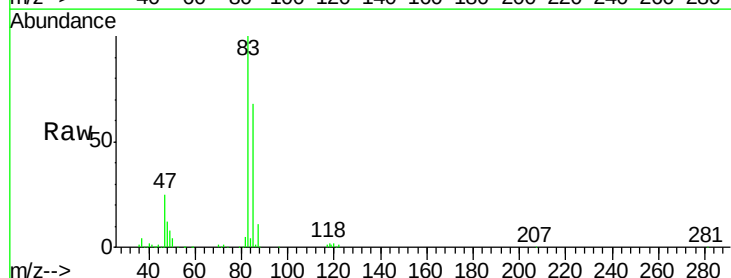
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

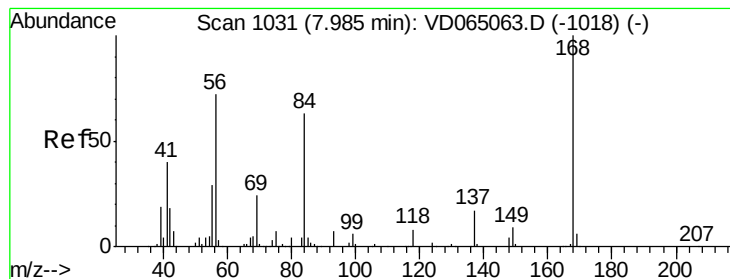
Tgt Ion: 42 Resp: 219508
Ion Ratio Lower Upper
42 100
72 42.8 34.2 51.4
71 39.7 31.8 47.6



#30
Chloroform
Concen: 47.56 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion: 83 Resp: 492469
Ion Ratio Lower Upper
83 100
85 67.8 54.2 81.4





#31

Cyclohexane

Concen: 48.97 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

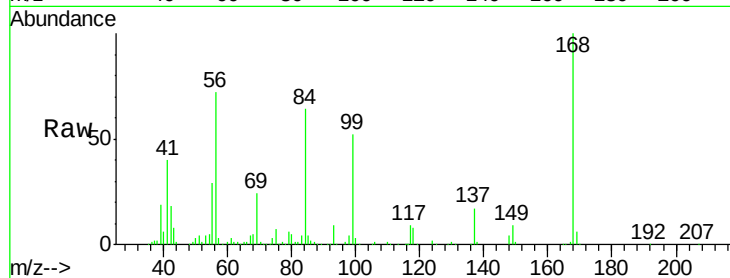
Tgt Ion: 56 Resp: 487902

Ion Ratio Lower Upper

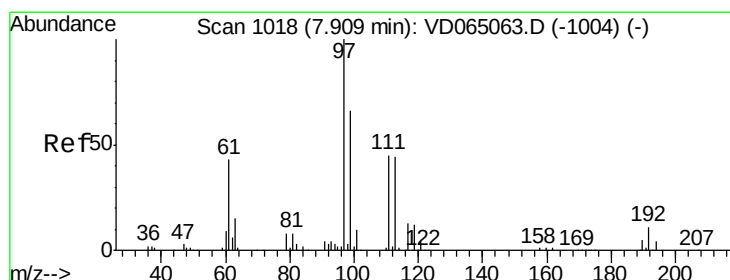
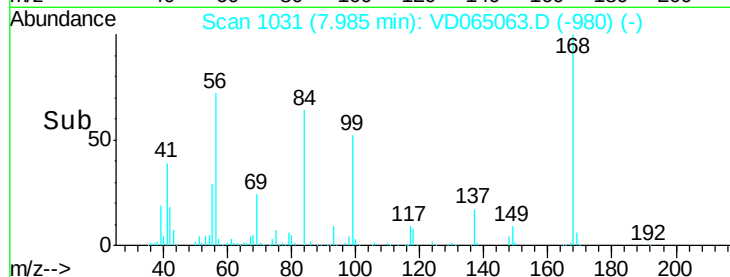
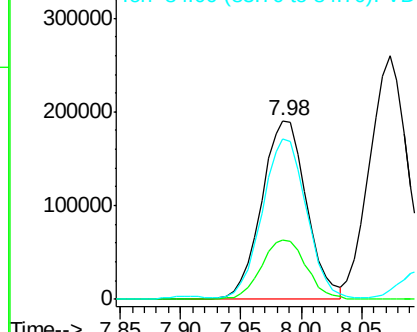
56 100

69 33.3 26.6 40.0

84 88.3 70.6 106.0



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



#32

1,1,1-Trichloroethane

Concen: 48.13 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

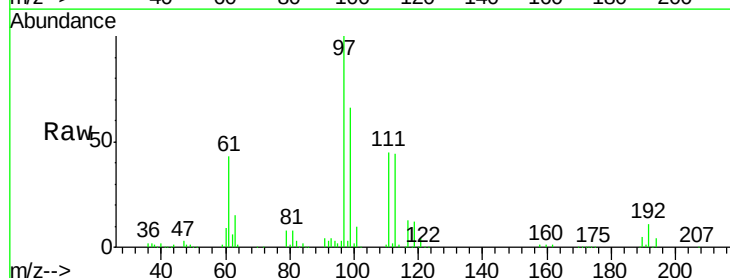
Tgt Ion: 97 Resp: 463983

Ion Ratio Lower Upper

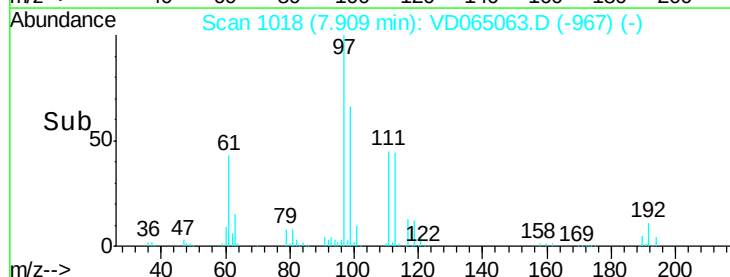
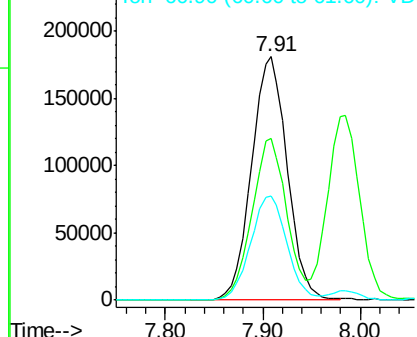
97 100

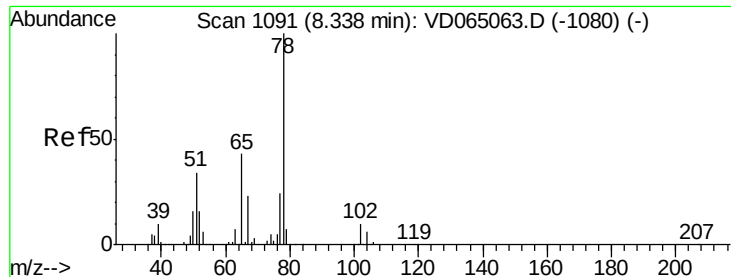
99 64.4 51.5 77.3

61 43.5 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

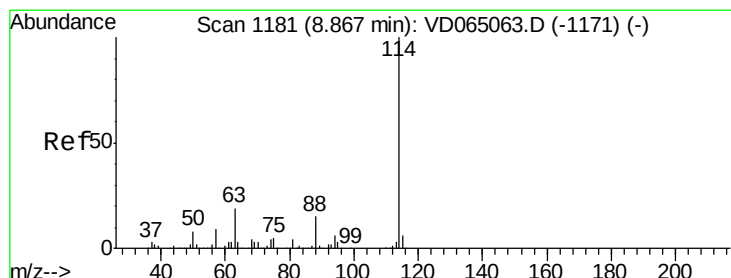
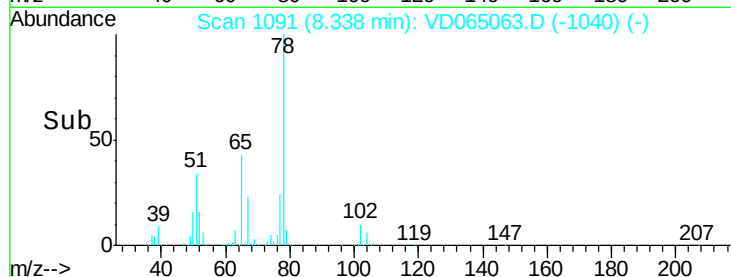
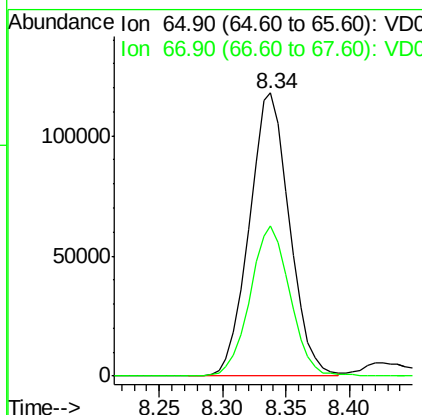
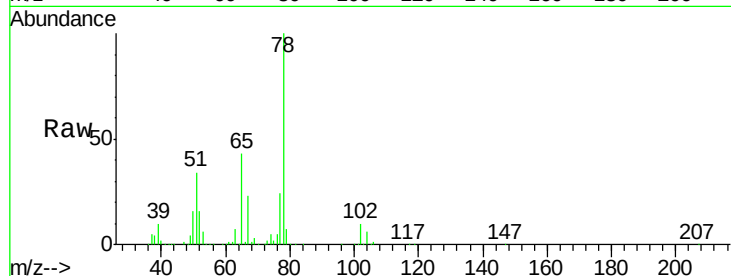




#33
 1,2-Dichloroethane-d4
 Concen: 46.74 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

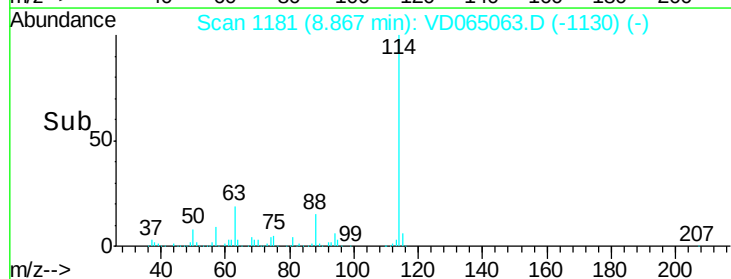
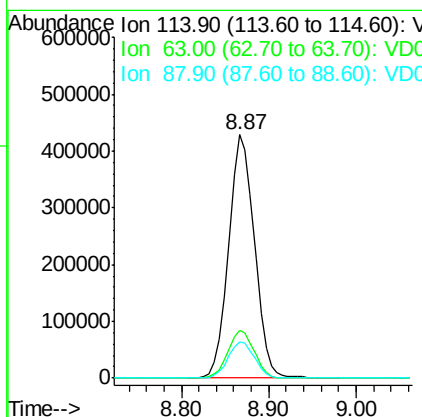
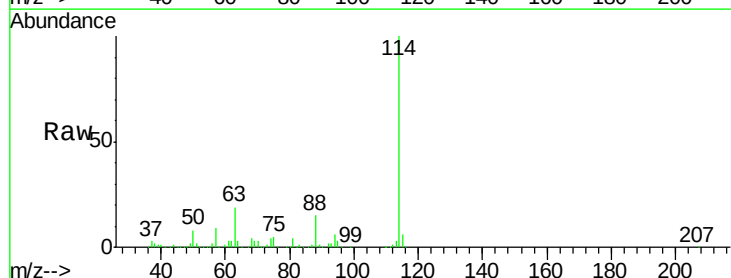
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

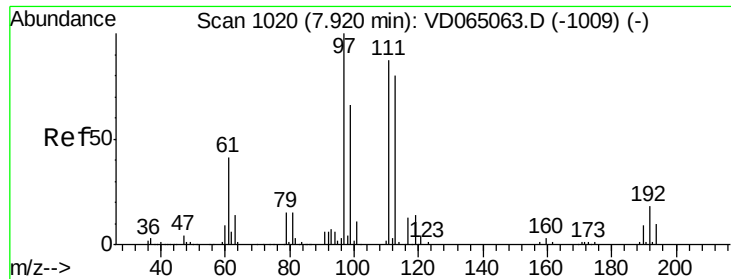
Tgt Ion: 65 Resp: 260153
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Tgt Ion: 114 Resp: 861289
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.8
 88 14.8 0.0 29.6

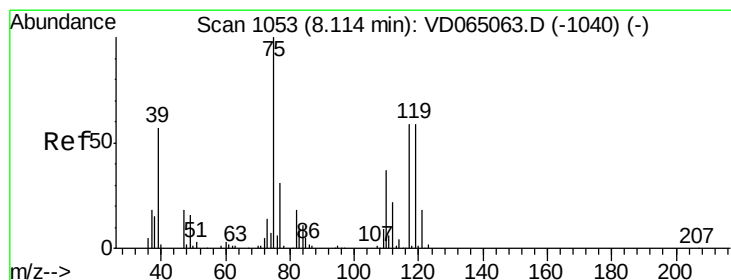
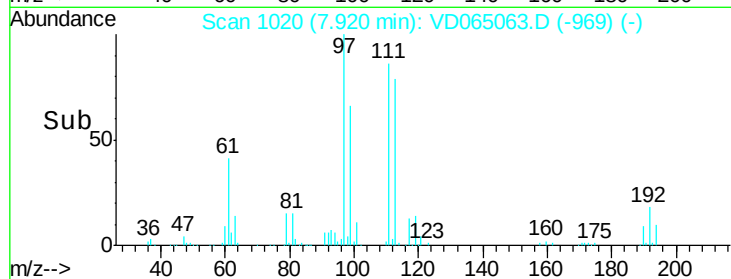
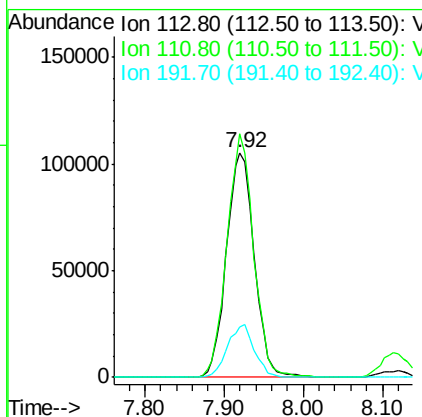
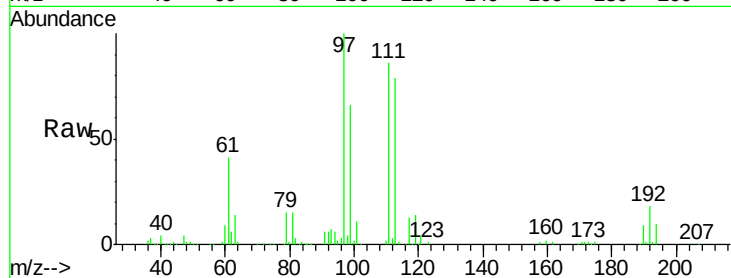




#35
 Dibromofluoromethane
 Concen: 48.20 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

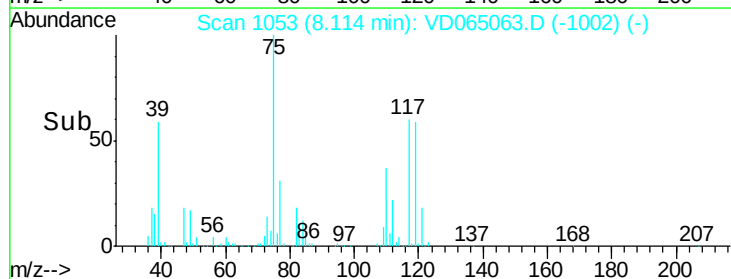
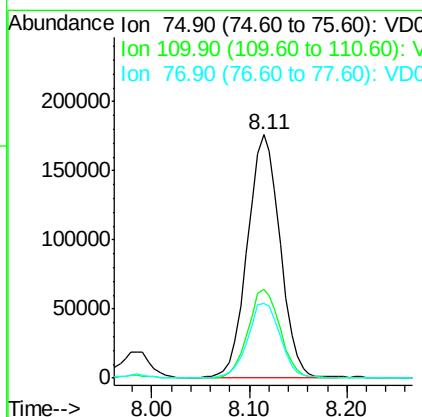
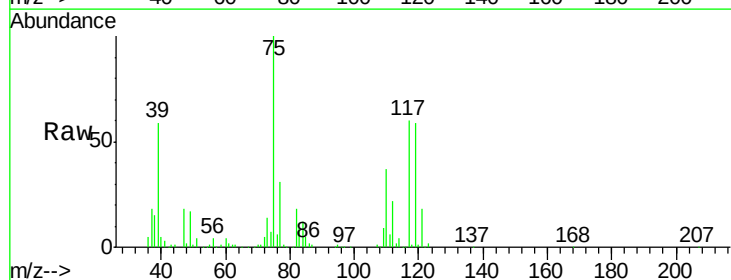
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

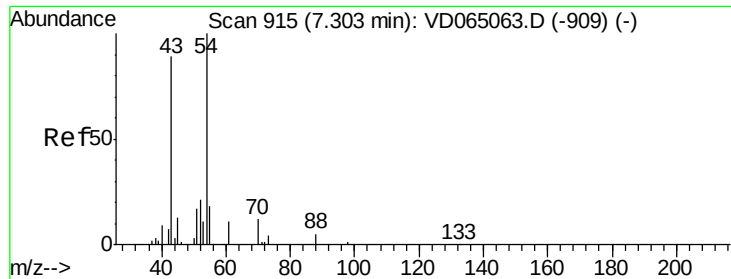
Tgt Ion: 113 Resp: 256132
 Ion Ratio Lower Upper
 113 100
 111 103.9 83.1 124.7
 192 22.6 18.1 27.1



#36
 1,1-Dichloropropene
 Concen: 49.79 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Tgt Ion: 75 Resp: 412859
 Ion Ratio Lower Upper
 75 100
 110 36.2 18.1 54.3
 77 30.9 24.7 37.1

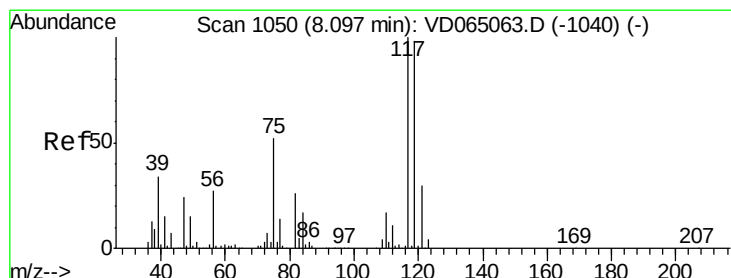
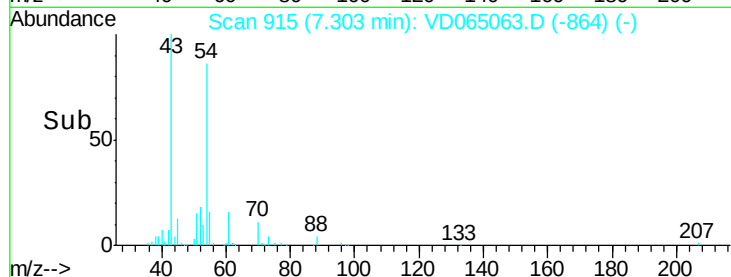
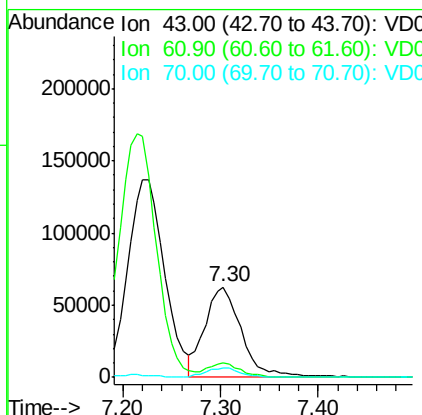
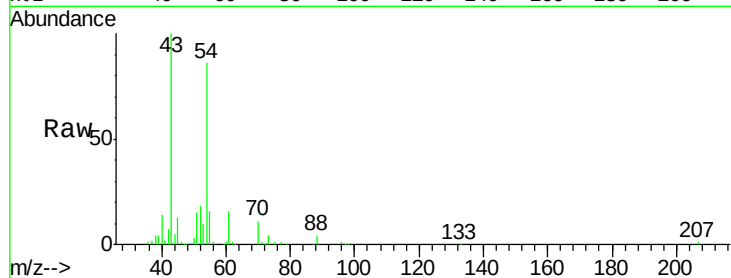




#37
Ethyl Acetate
 Concen: 46.44 ug/l
 RT: 7.30 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

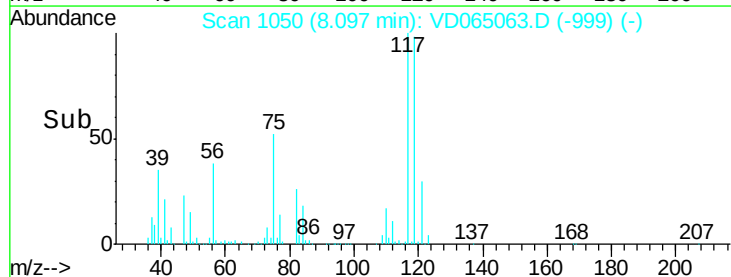
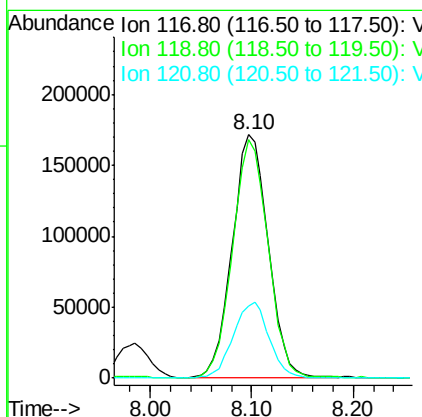
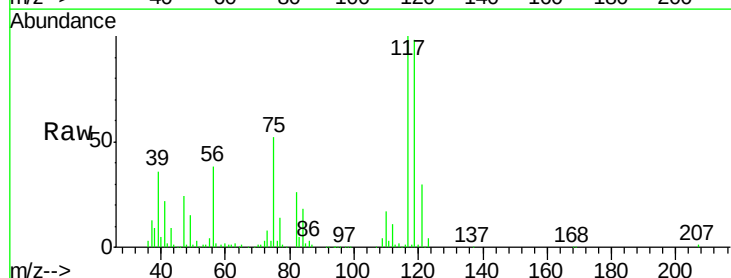
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

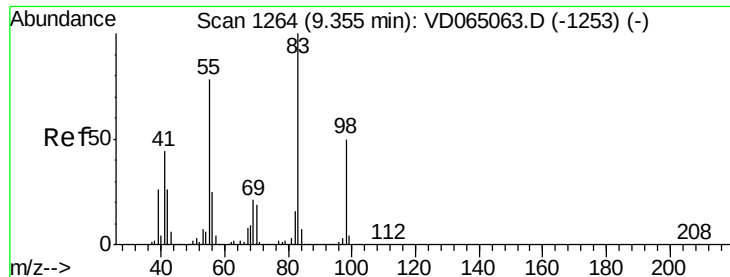
Tgt Ion: 43 Resp: 158464
 Ion Ratio Lower Upper
 43 100
 61 13.7 11.0 16.4
 70 10.2 8.2 12.2



#38
Carbon Tetrachloride
 Concen: 48.40 ug/l
 RT: 8.10 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Tgt Ion: 117 Resp: 421082
 Ion Ratio Lower Upper
 117 100
 119 98.1 78.5 117.7
 121 29.7 23.8 35.6

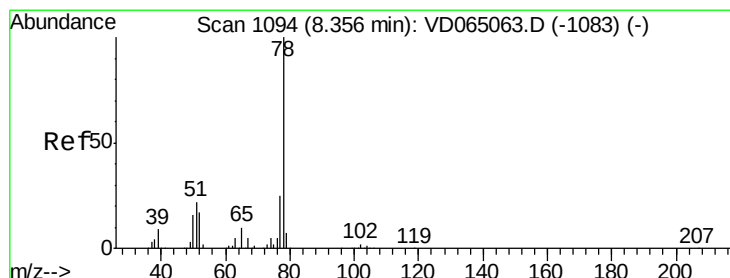
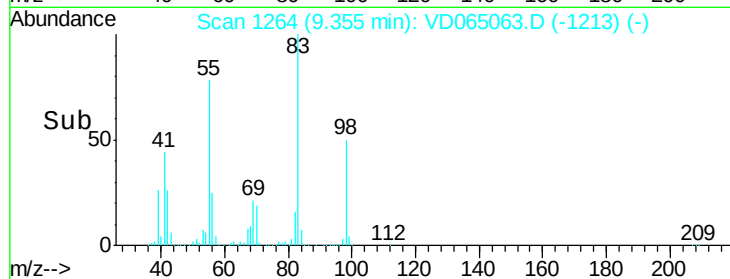
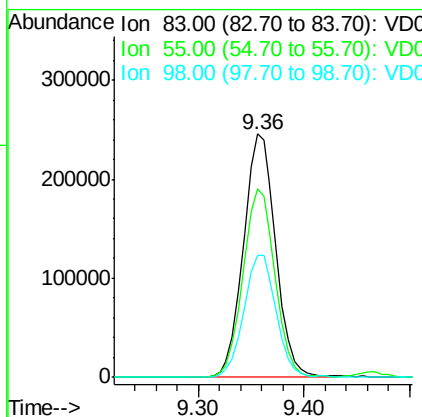
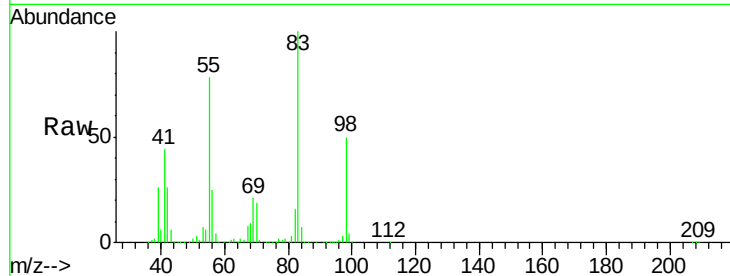




#39
Methylcyclohexane
Concen: 53.19 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

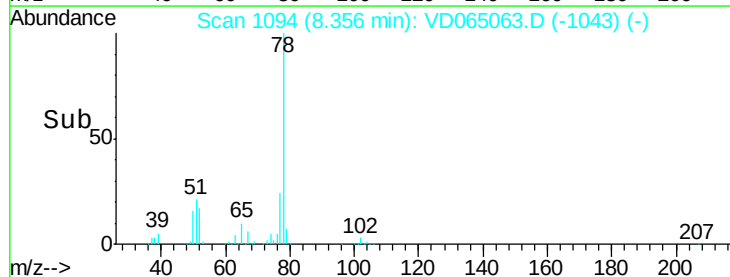
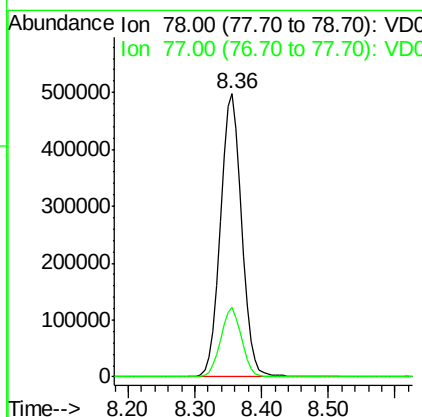
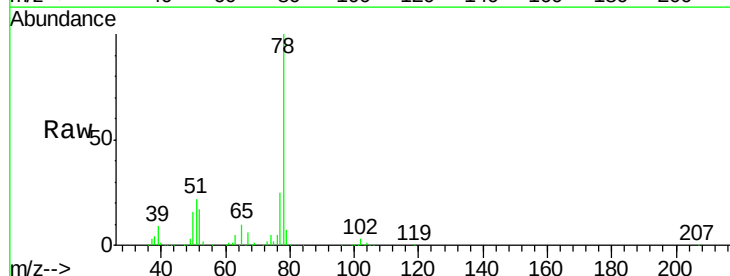
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

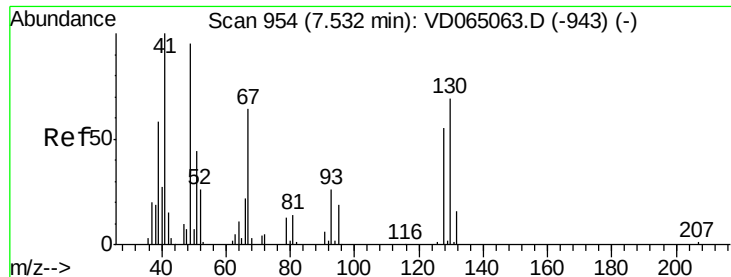
Tgt Ion: 83 Resp: 519957
Ion Ratio Lower Upper
83 100
55 77.5 62.0 93.0
98 49.9 39.9 59.9



#40
Benzene
Concen: 49.24 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion: 78 Resp: 1123358
Ion Ratio Lower Upper
78 100
77 24.5 19.6 29.4

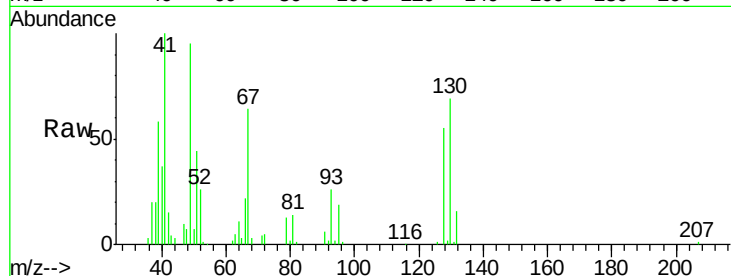




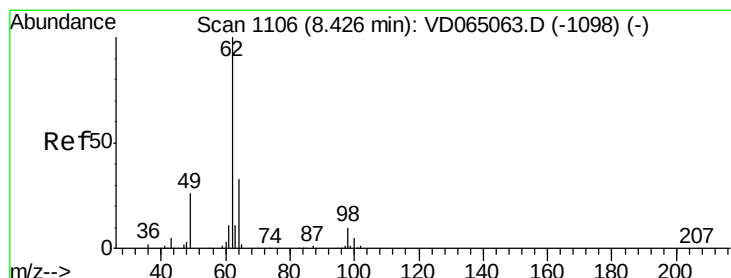
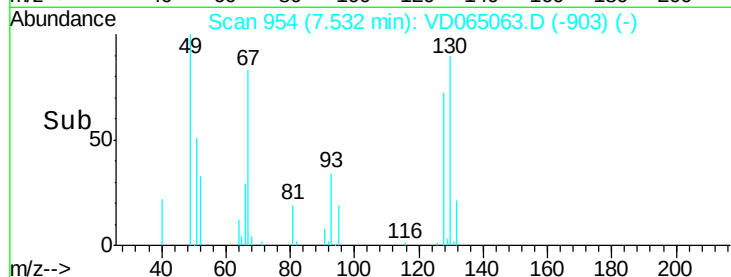
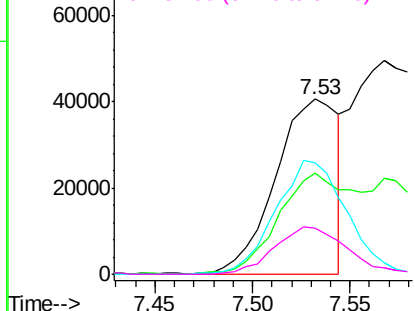
#41
Methacrylonitrile
Concen: 50.43 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:	41	Resp:	90588
Ion	Ratio	Lower	Upper
41	100		
39	69.2	55.4	83.0
67	73.8	59.0	88.6
52	31.7	25.4	38.0

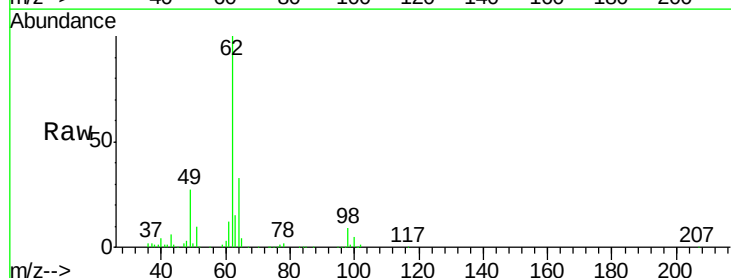


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

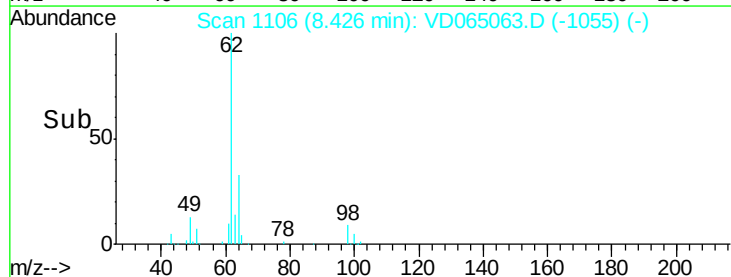
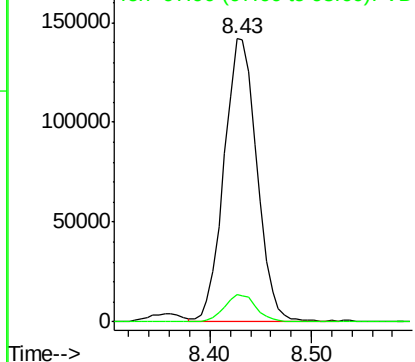


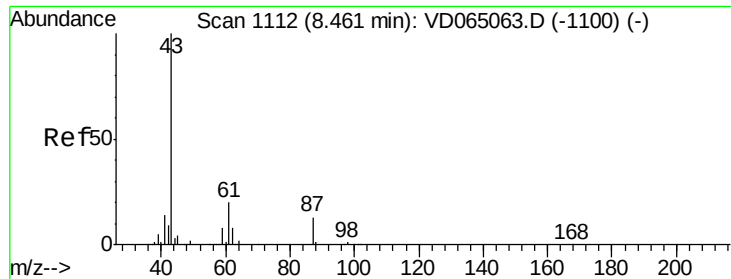
#42
1,2-Dichloroethane
Concen: 47.25 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion:	62	Resp:	318665
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.6



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





#43

Isopropyl Acetate

Concen: 48.22 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

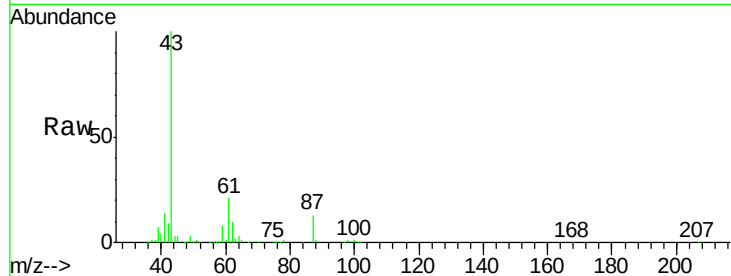
Tgt Ion: 43 Resp: 312464

Ion Ratio Lower Upper

43 100

61 30.0 24.0 36.0

87 12.8 10.2 15.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

8.46

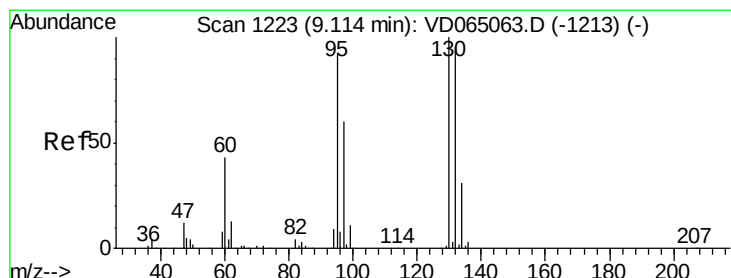
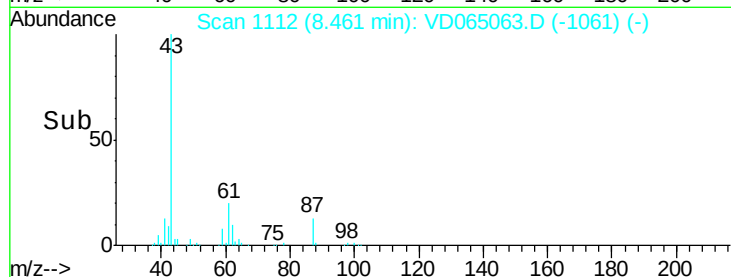
150000

100000

50000

0

Time-->



#44

Trichloroethene

Concen: 50.11 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065063.D

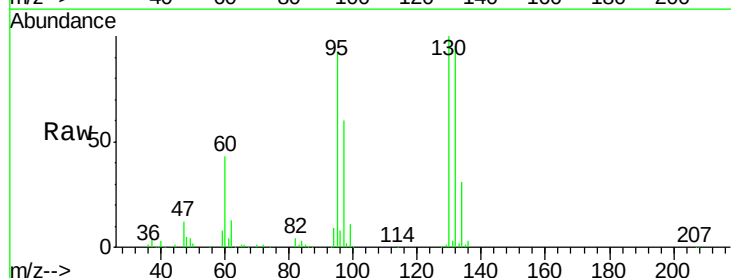
Acq: 05 Feb 2020 14:36

Tgt Ion: 130 Resp: 322028

Ion Ratio Lower Upper

130 100

95 92.5 0.0 185.0



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

9.11

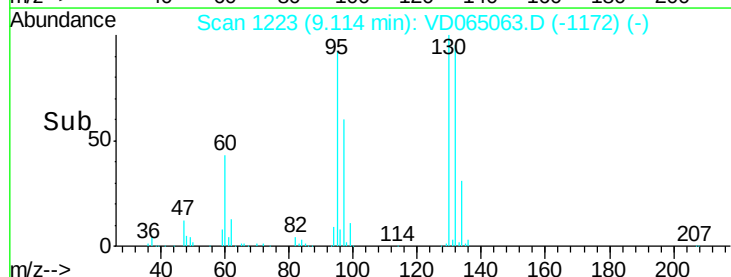
150000

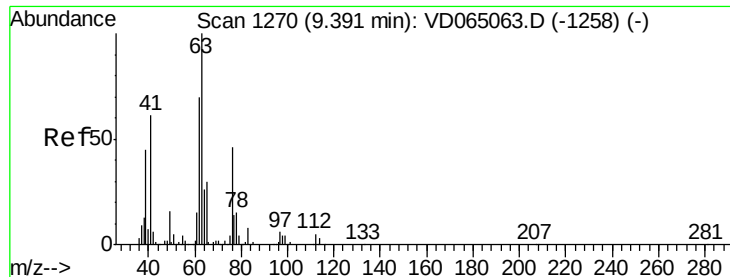
100000

50000

0

Time-->

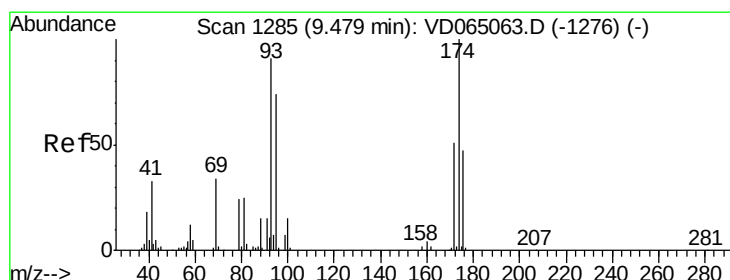
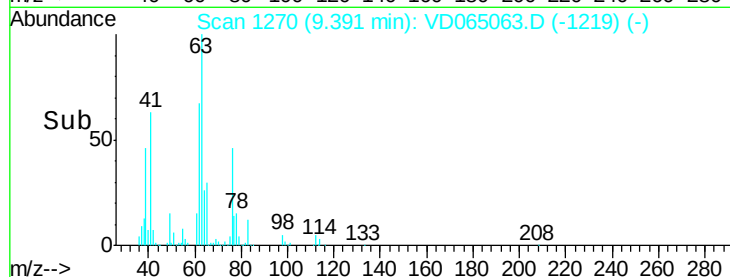
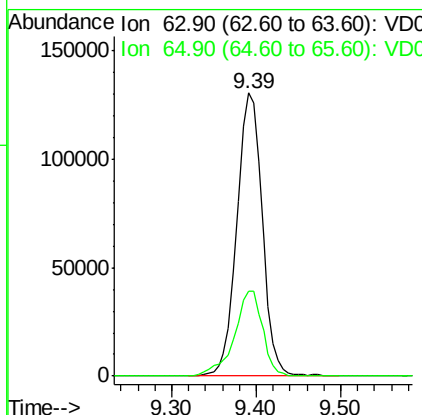
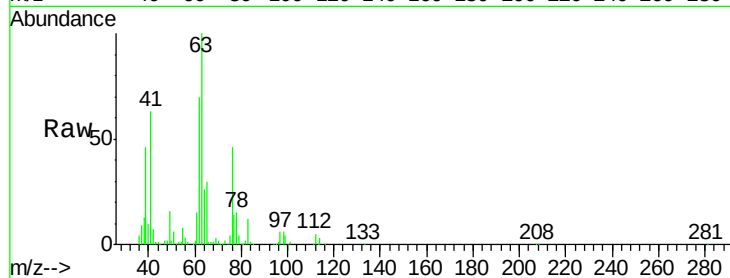




#45
 1,2-Dichloropropane
 Concen: 48.88 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

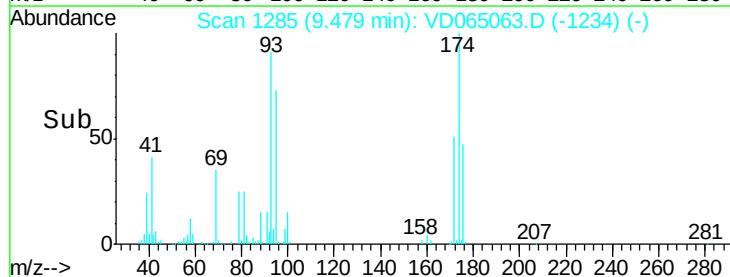
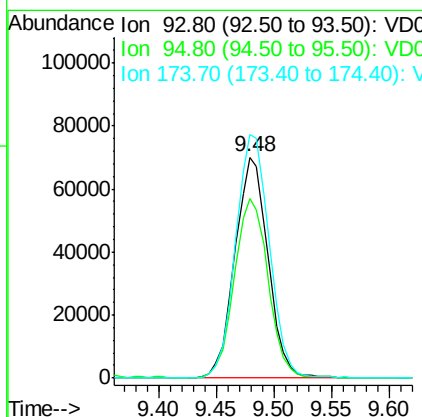
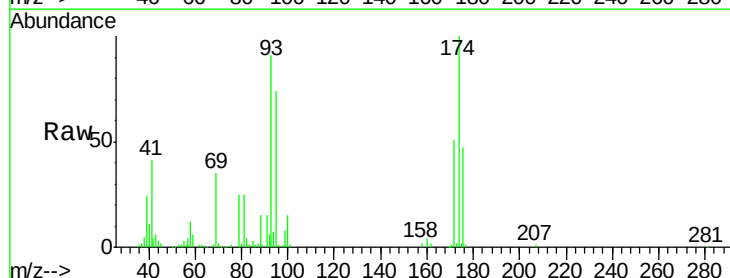
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

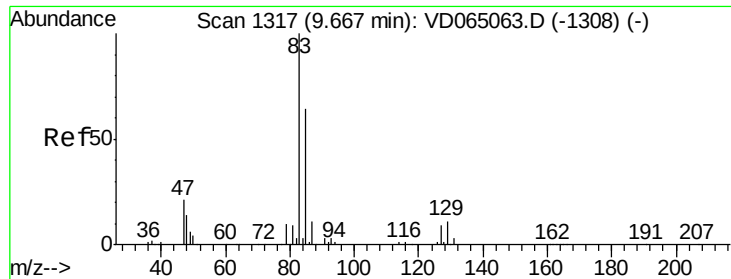
Tgt Ion: 63 Resp: 271030
 Ion Ratio Lower Upper
 63 100
 65 29.9 23.9 35.9



#46
 Dibromomethane
 Concen: 46.53 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Tgt Ion: 93 Resp: 139753
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.5 99.7
 174 112.3 89.8 134.8

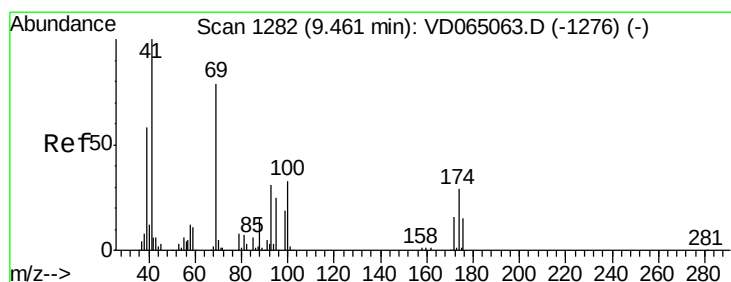
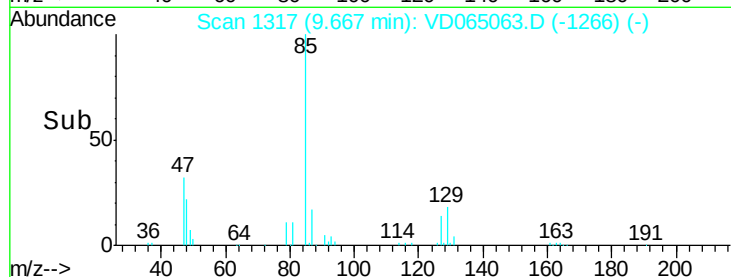
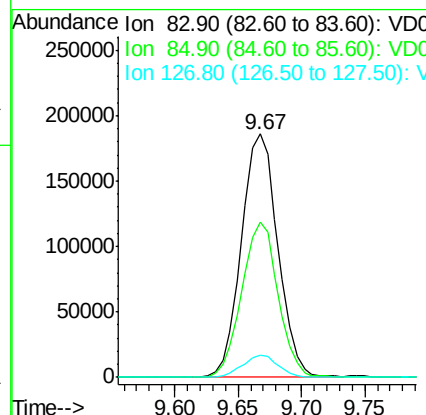
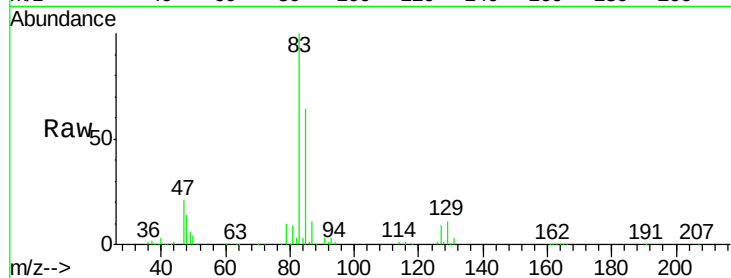




#47
Bromodichloromethane
Concen: 47.60 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

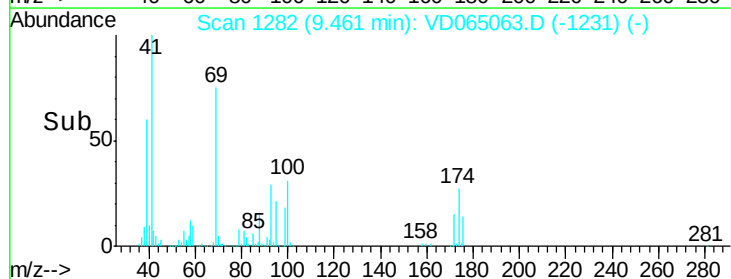
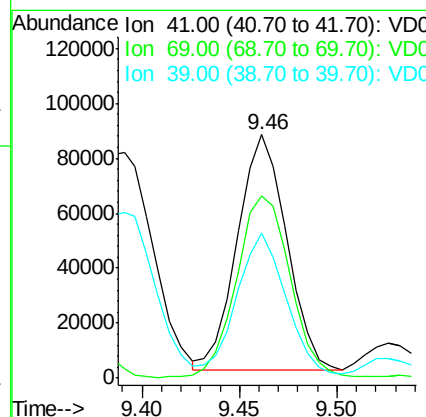
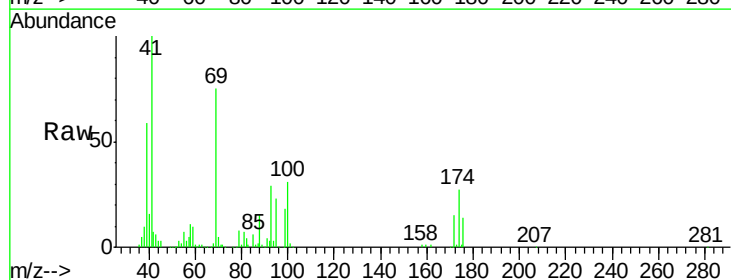
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

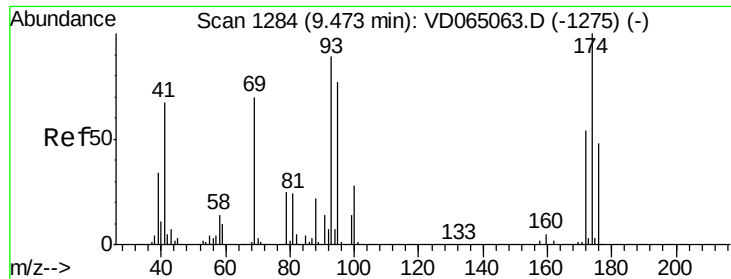
Tgt Ion: 83 Resp: 372169
Ion Ratio Lower Upper
83 100
85 63.8 51.0 76.6
127 9.1 7.3 10.9



#48
Methyl methacrylate
Concen: 49.94 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion: 41 Resp: 148904
Ion Ratio Lower Upper
41 100
69 84.4 67.5 101.3
39 58.7 47.0 70.4





#49

1,4-Dioxane

Concen: 945.05 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

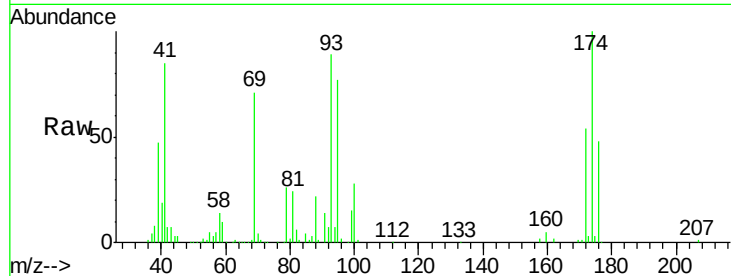
Tgt Ion: 88 Resp: 32617

Ion Ratio Lower Upper

88 100

43 34.6 27.7 41.5

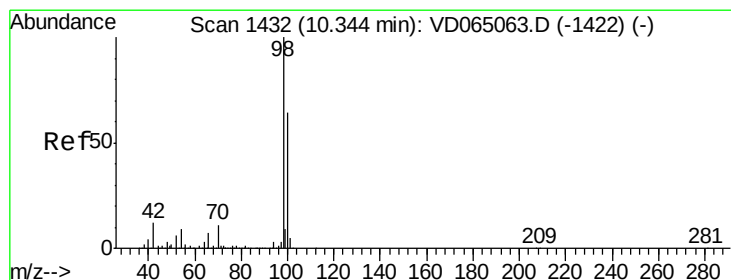
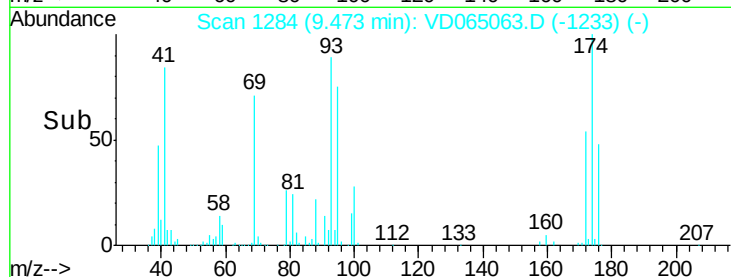
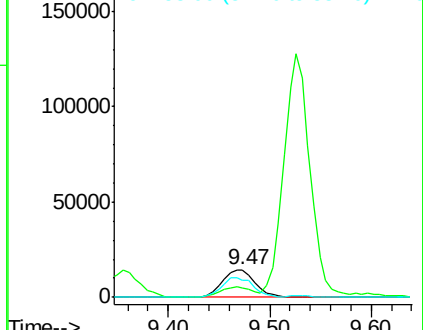
58 69.4 55.5 83.3



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 50.00 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065063.D

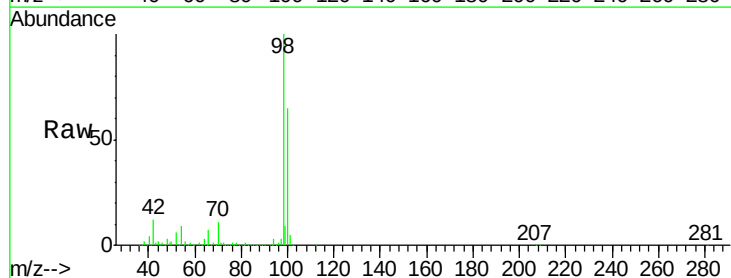
Acq: 05 Feb 2020 14:36

Tgt Ion: 98 Resp: 1028533

Ion Ratio Lower Upper

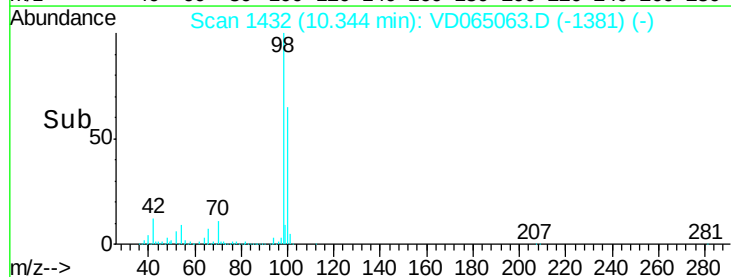
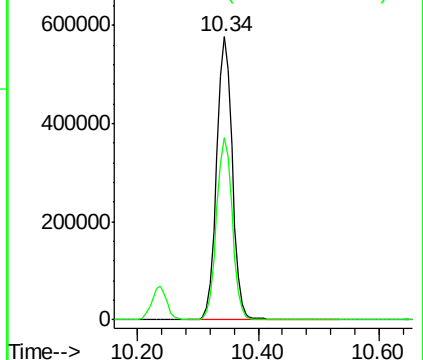
98 100

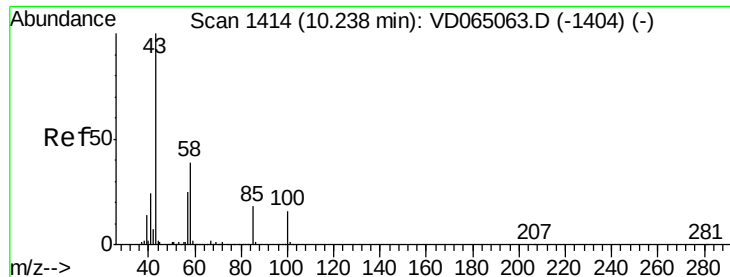
100 65.1 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

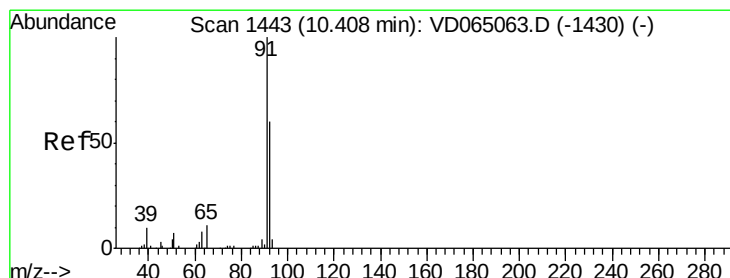
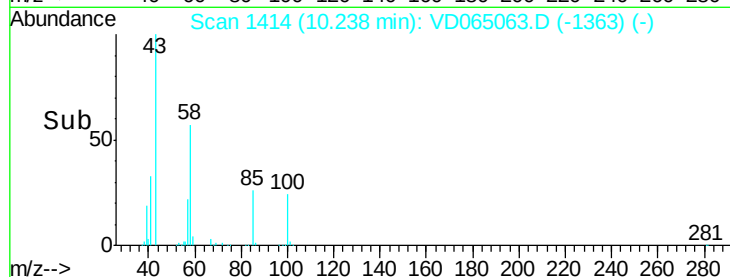
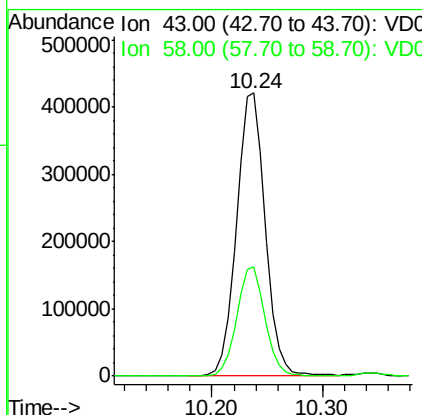
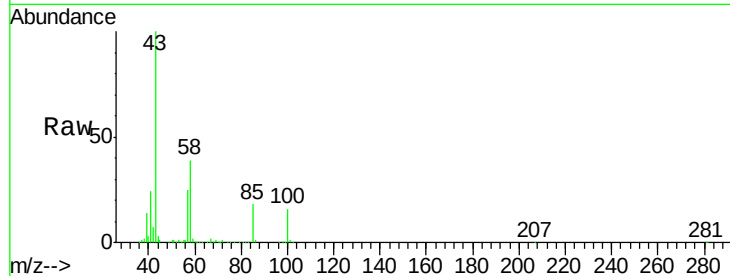




#51
 4-Methyl-2-Pentanone
 Concen: 239.26 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

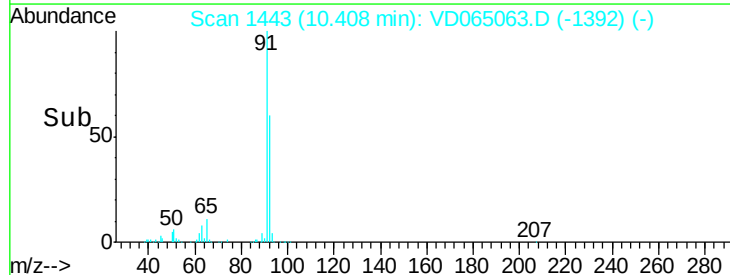
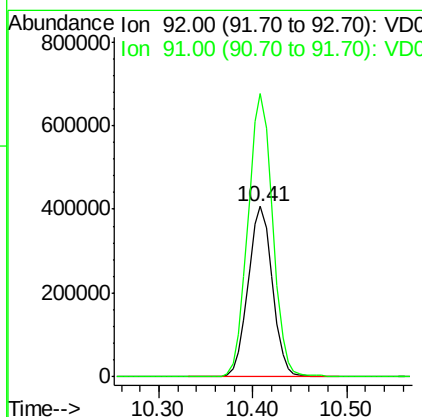
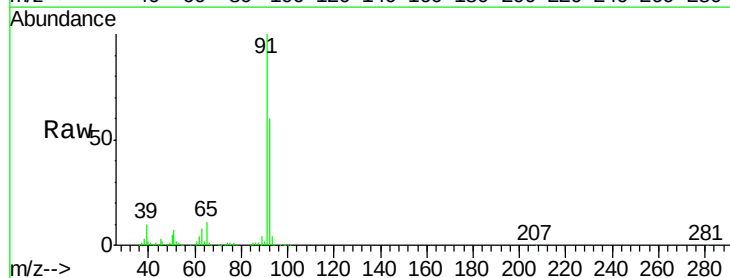
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

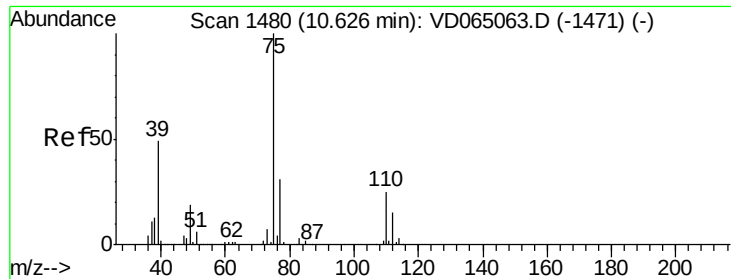
Tgt Ion: 43 Resp: 770902
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.2 45.2



#52
 Toluene
 Concen: 49.59 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Tgt Ion: 92 Resp: 730127
 Ion Ratio Lower Upper
 92 100
 91 169.1 135.3 202.9





#53

t-1,3-Dichloropropene

Concen: 49.05 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

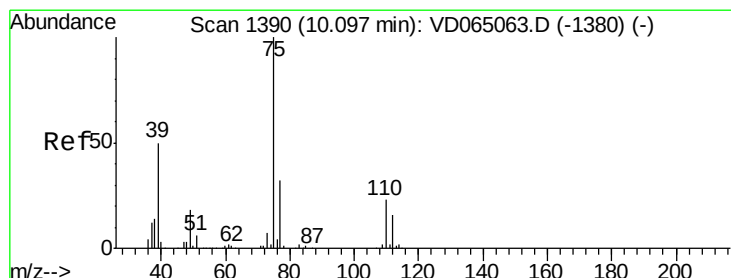
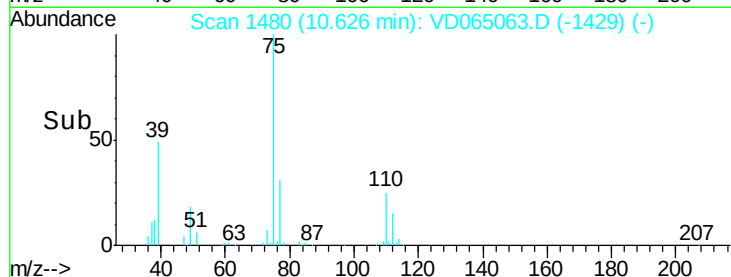
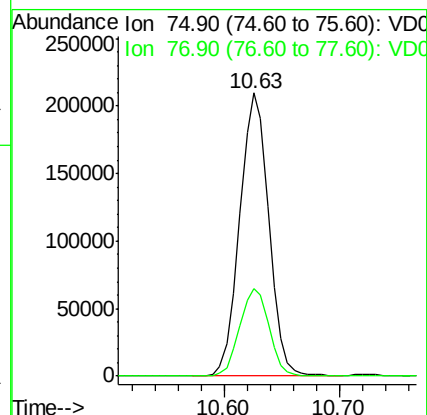
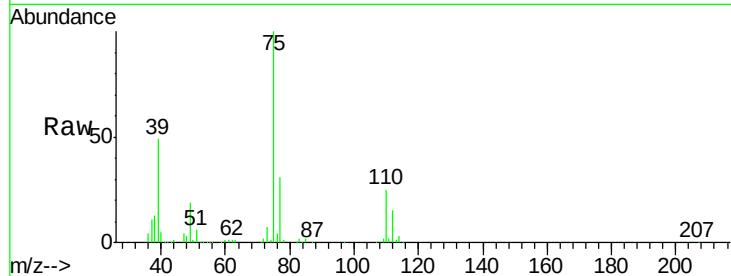
VSTDICCC050

Tgt Ion: 75 Resp: 365453

Ion Ratio Lower Upper

75 100

77 31.1 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 49.71 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

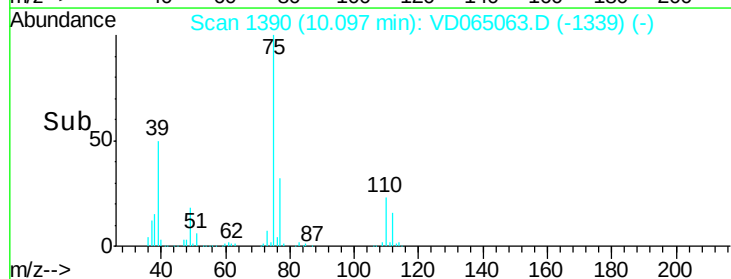
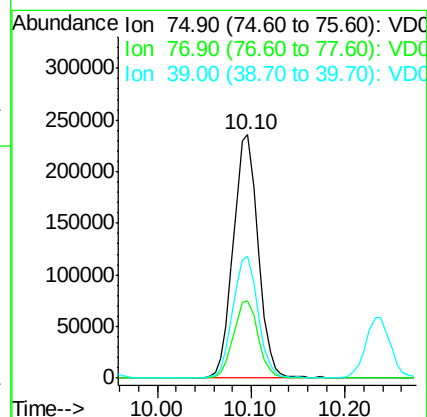
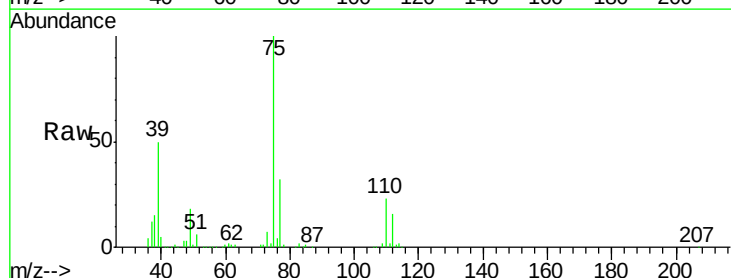
Tgt Ion: 75 Resp: 435444

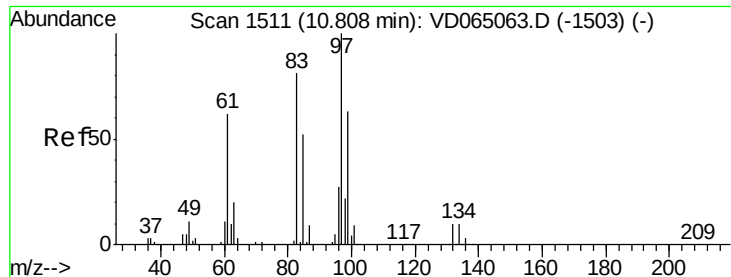
Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9

39 50.4 40.3 60.5





#55

1,1,2-Trichloroethane

Concen: 47.23 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 190863

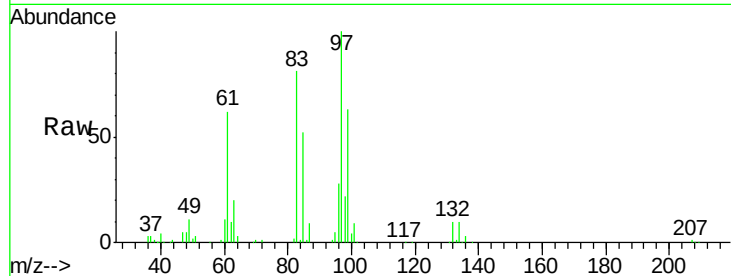
Ion Ratio Lower Upper

97 100

83 81.0 64.8 97.2

85 51.5 41.2 61.8

99 62.9 50.3 75.5

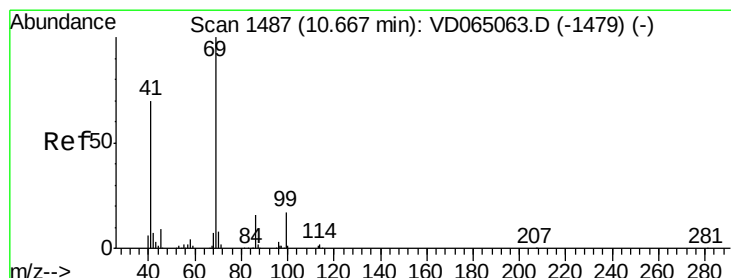
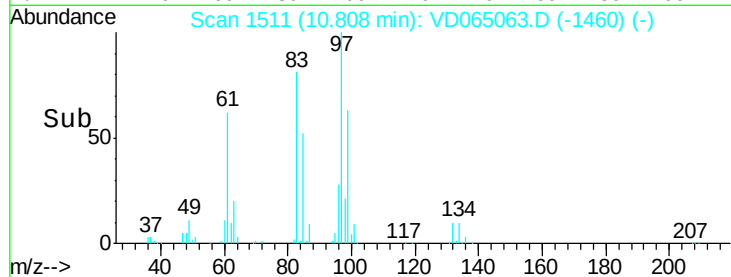
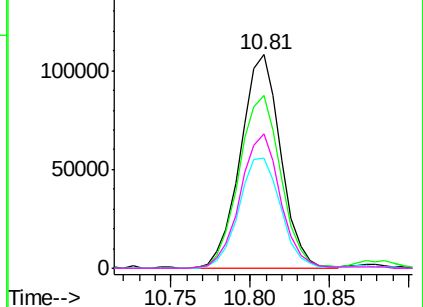


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 51.21 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

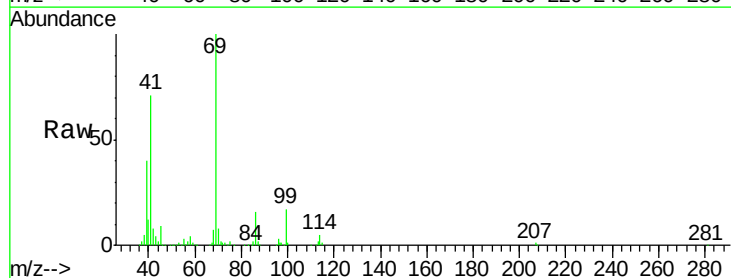
Tgt Ion: 69 Resp: 248342

Ion Ratio Lower Upper

69 100

41 69.9 55.9 83.9

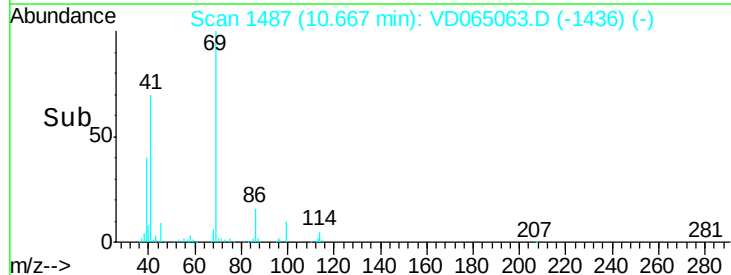
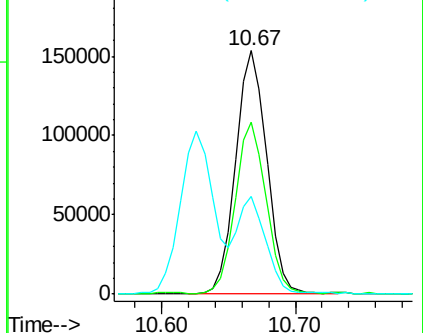
39 36.7 29.4 44.0

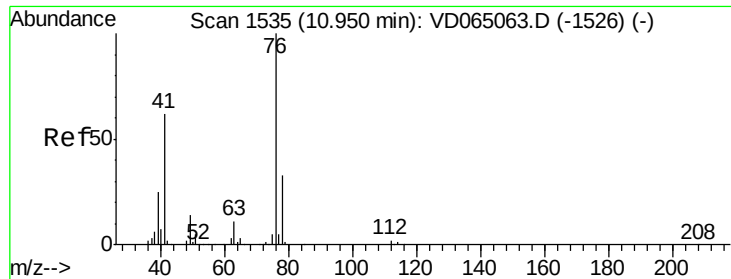


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

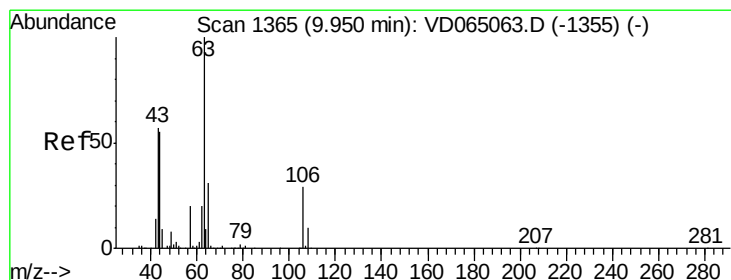
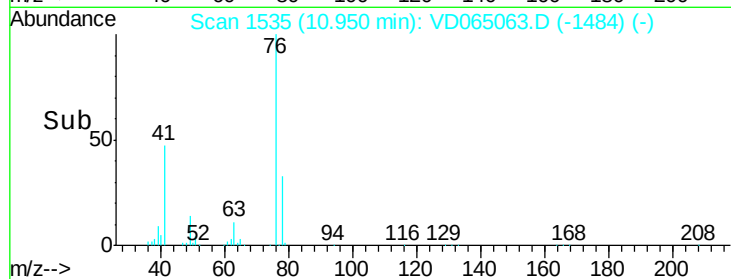
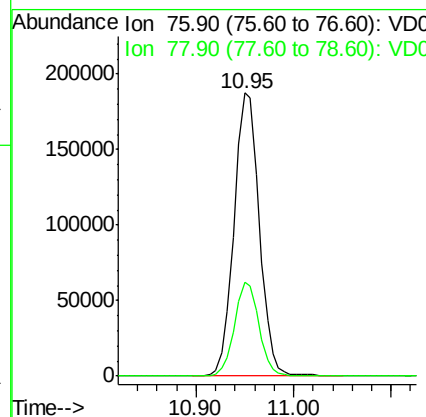
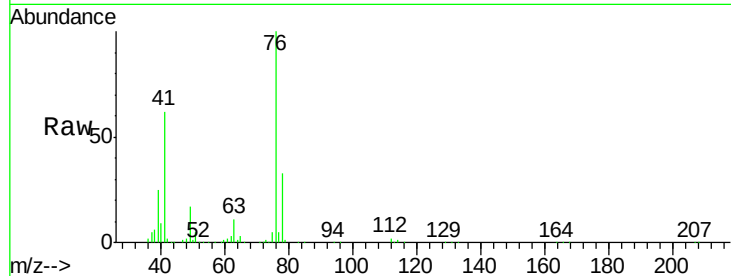




#57
 1,3-Dichloropropane
 Concen: 48.51 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

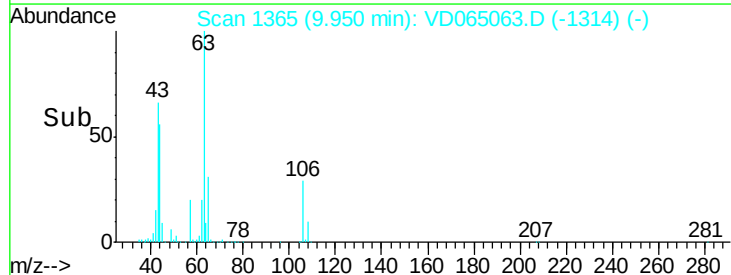
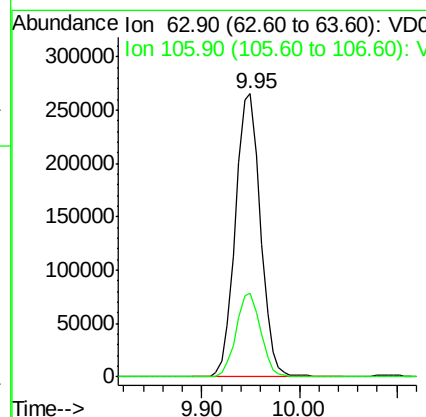
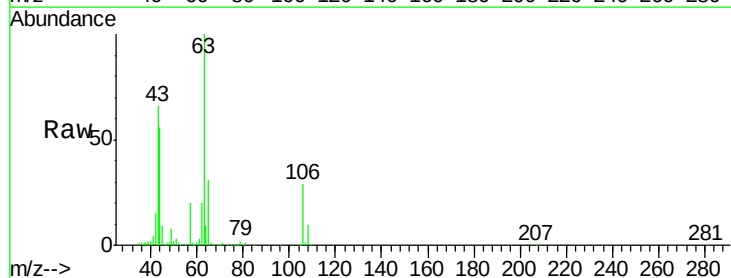
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

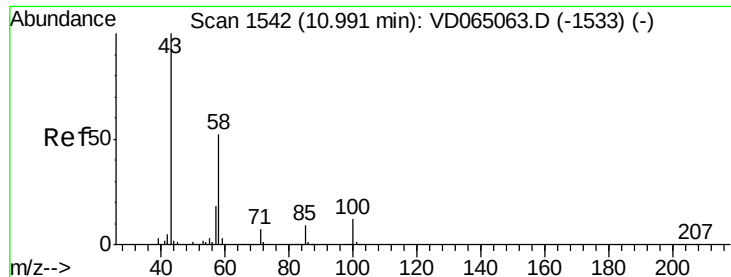
Tgt Ion: 76 Resp: 336933
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 280.65 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Tgt Ion: 63 Resp: 474072
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.3 34.9

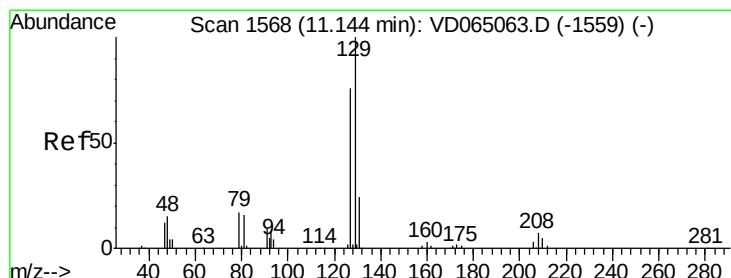
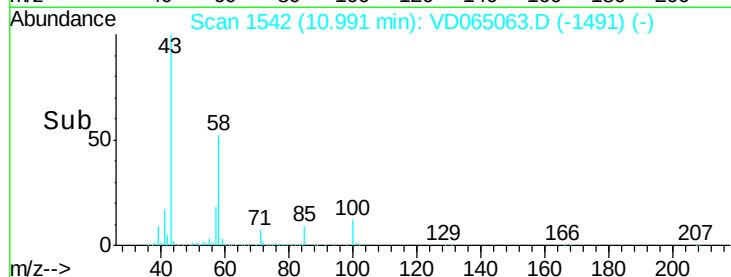
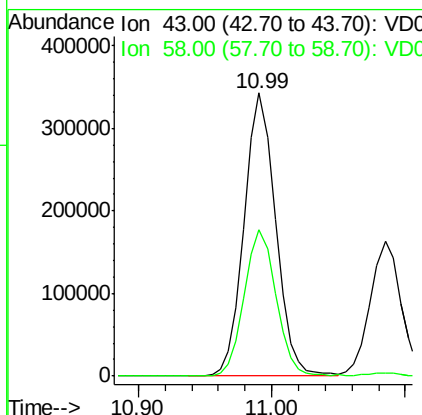
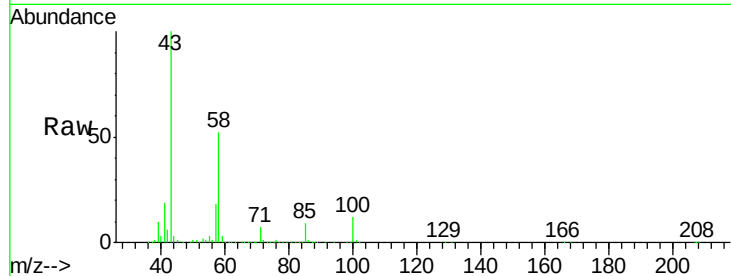




#59
2-Hexanone
Concen: 251.10 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

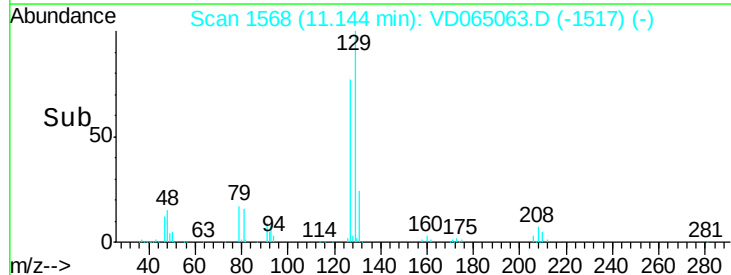
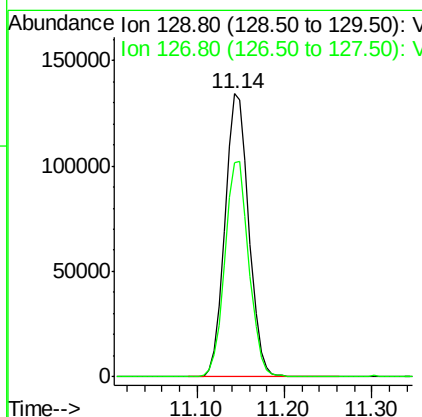
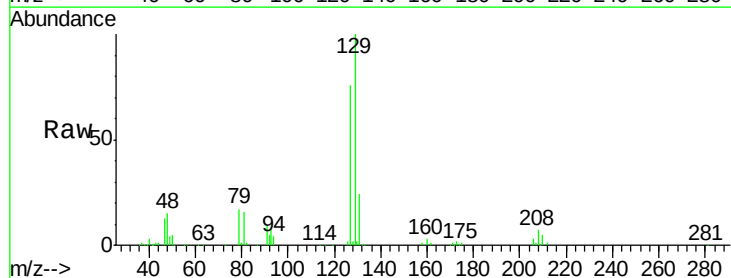
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

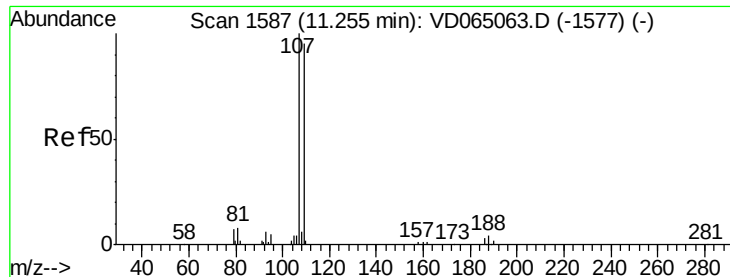
Tgt Ion: 43 Resp: 559968
Ion Ratio Lower Upper
43 100
58 52.4 26.2 78.6



#60
Dibromochloromethane
Concen: 46.63 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion: 129 Resp: 251097
Ion Ratio Lower Upper
129 100
127 76.6 38.3 114.9

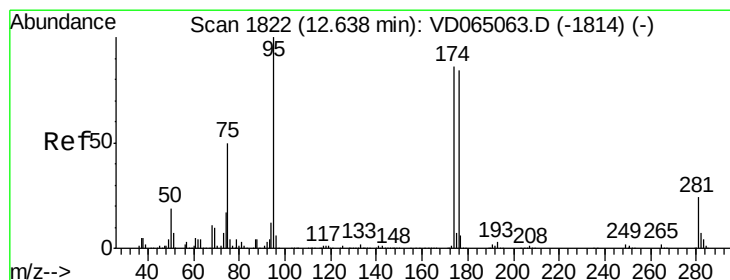
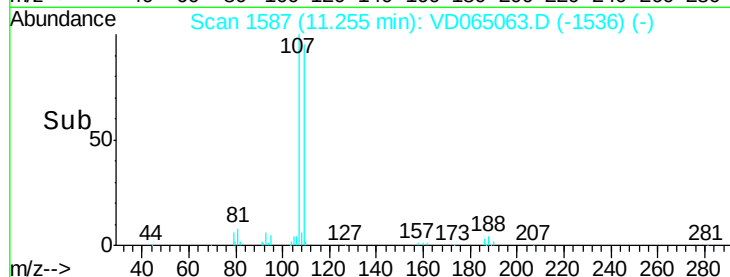
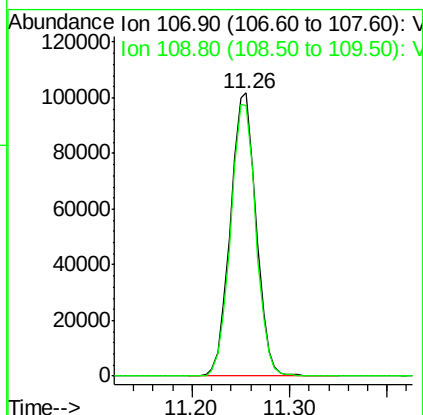
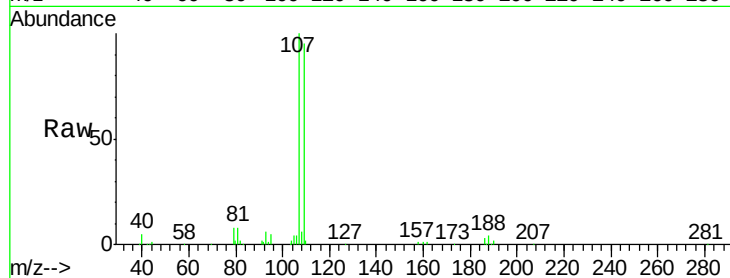




#61
 1,2-Dibromoethane
 Concen: 47.86 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

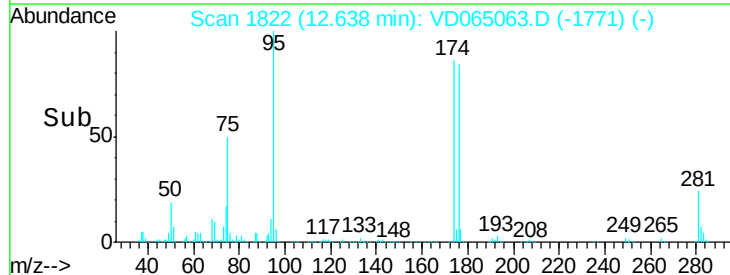
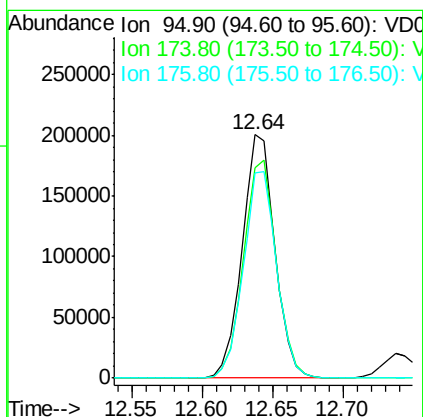
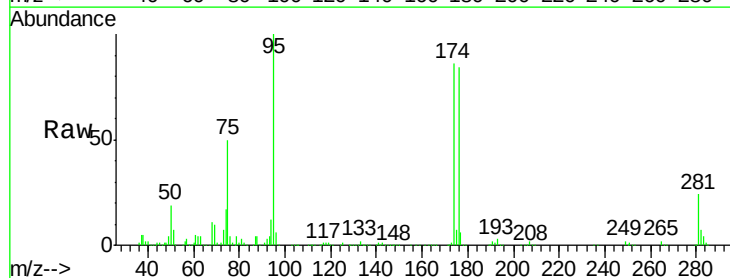
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

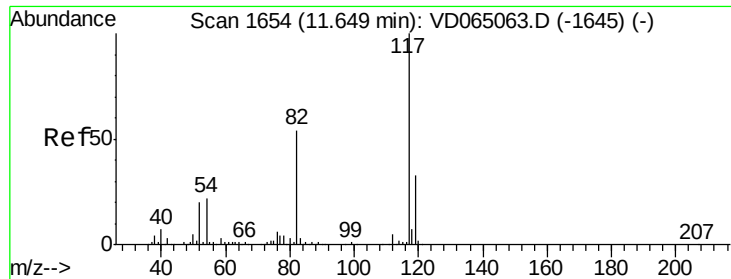
Tgt Ion: 107 Resp: 186670
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 51.09 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Tgt Ion: 95 Resp: 324417
 Ion Ratio Lower Upper
 95 100
 174 90.0 0.0 180.0
 176 86.6 0.0 173.2

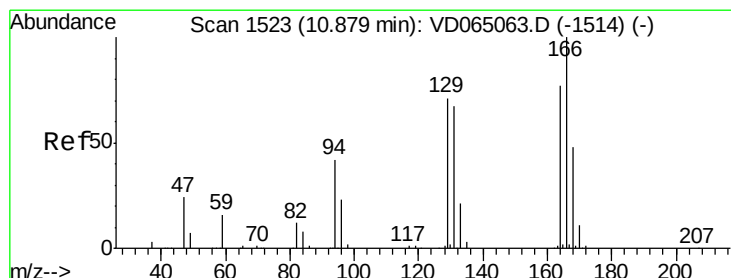
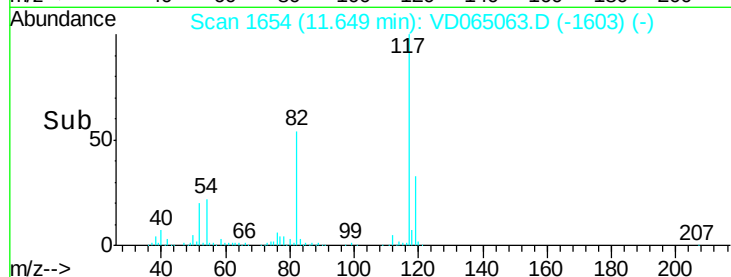
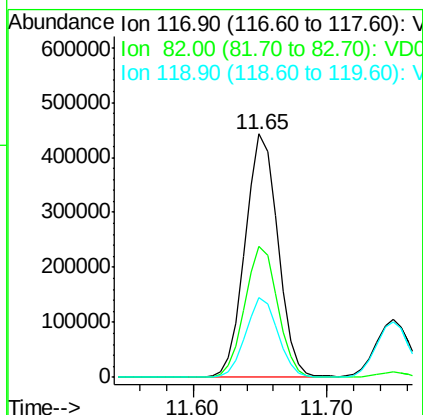
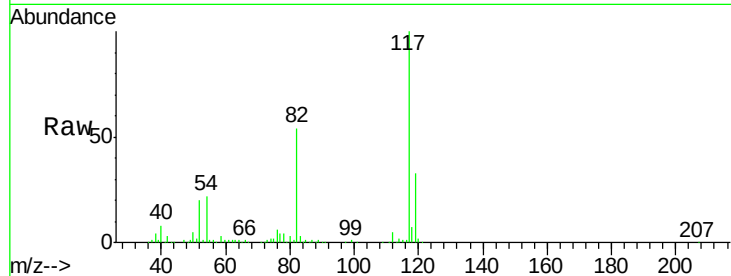




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

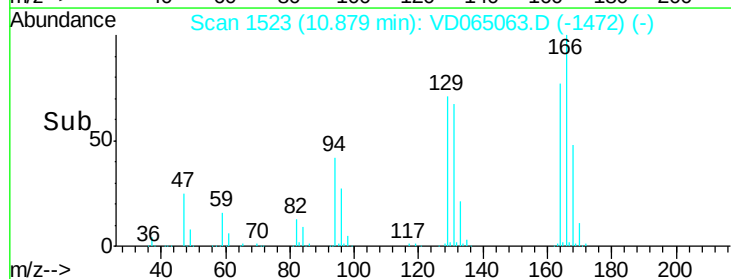
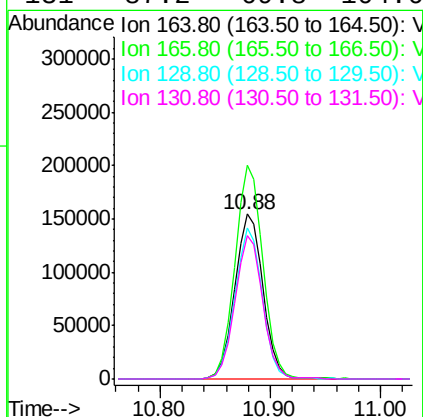
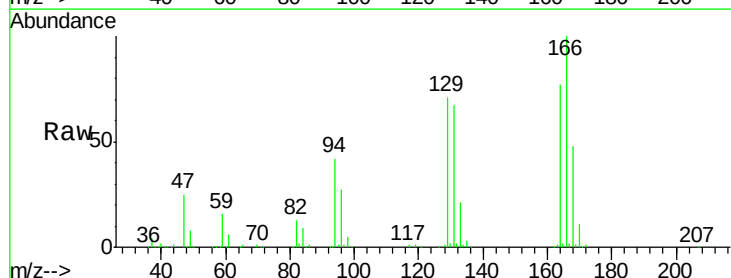
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

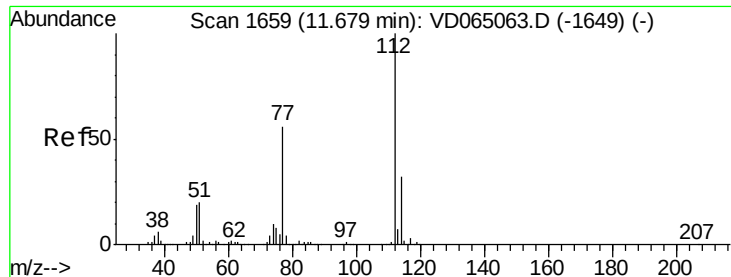
Tgt Ion:117 Resp: 751979
Ion Ratio Lower Upper
117 100
82 53.9 43.1 64.7
119 32.5 26.0 39.0



#64
Tetrachloroethene
Concen: 50.95 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion:164 Resp: 277864
Ion Ratio Lower Upper
164 100
166 129.4 103.5 155.3
129 91.6 73.3 109.9
131 87.2 69.8 104.6

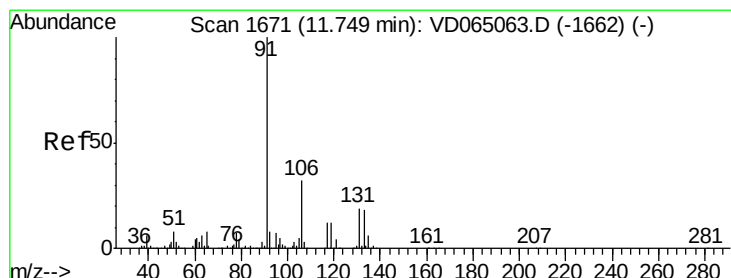
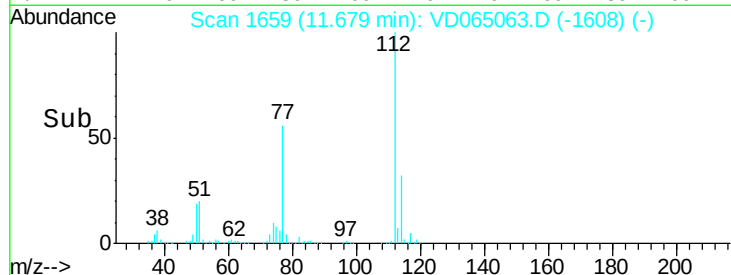
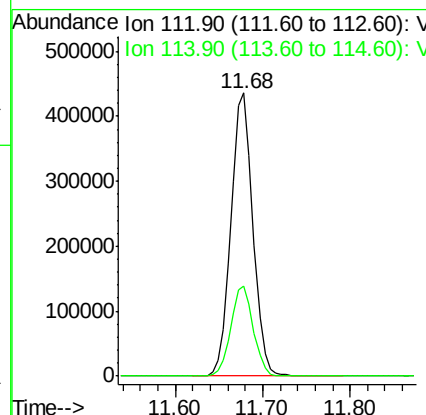
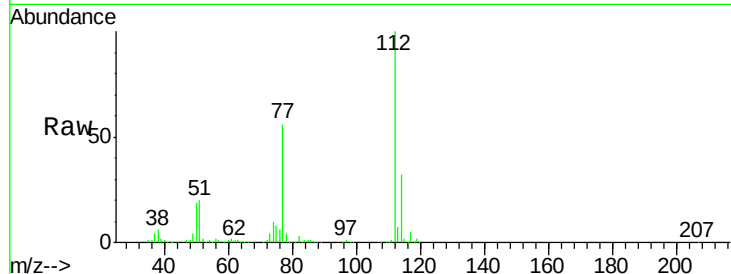




#65
Chlorobenzene
Concen: 48.91 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

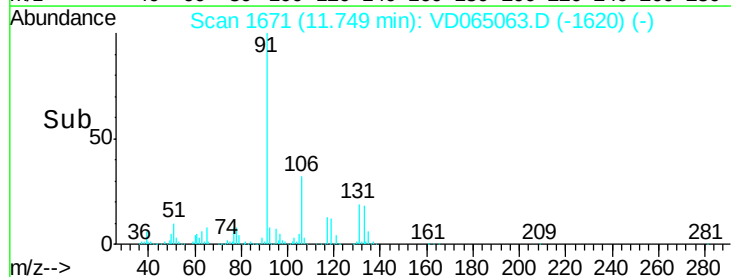
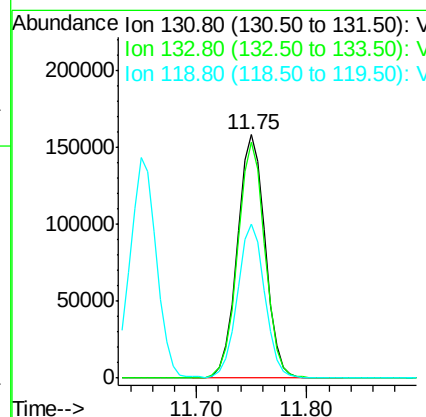
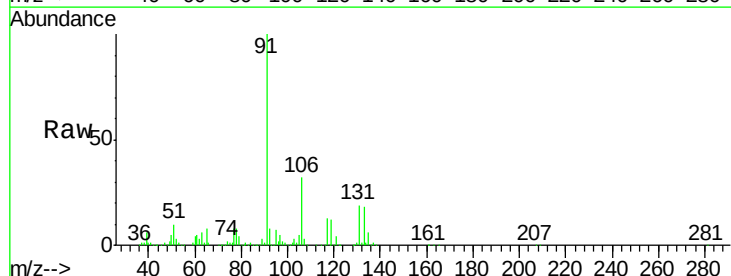
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

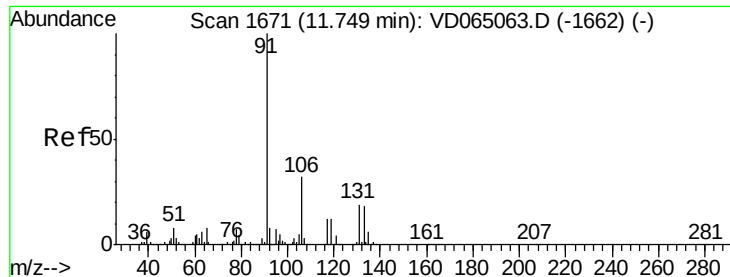
Tgt Ion:112 Resp: 748582
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.88 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion:131 Resp: 280068
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 62.5 31.3 93.8





#67

Ethyl Benzene

Concen: 50.94 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

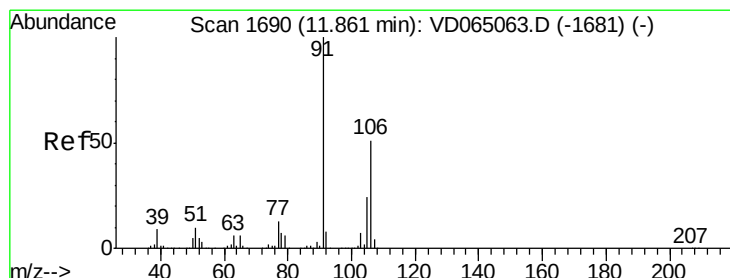
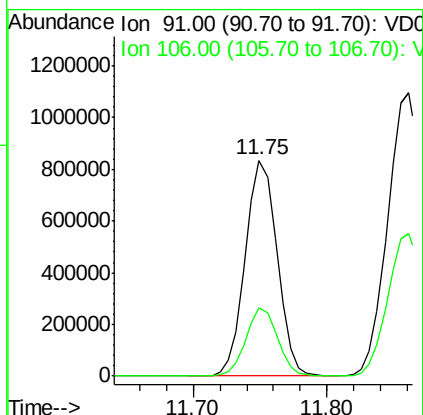
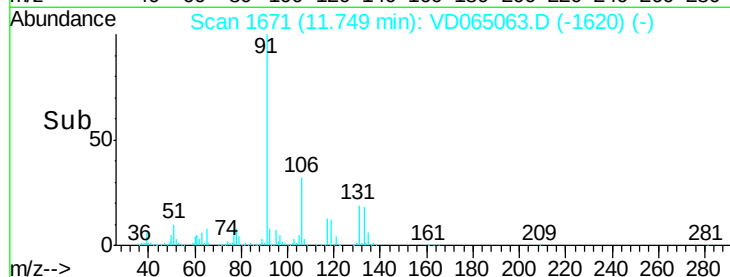
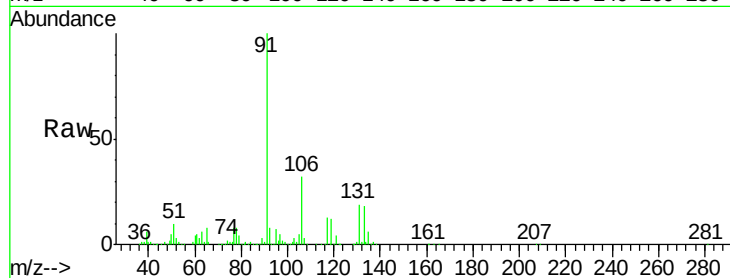
VSTDICCC050

Tgt Ion: 91 Resp: 1381941

Ion Ratio Lower Upper

91 100

106 31.8 25.4 38.2



#68

m/p-Xylenes

Concen: 101.94 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065063.D

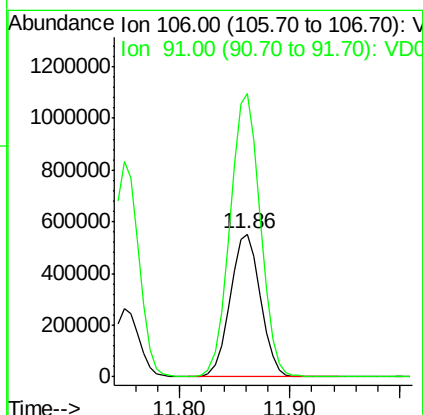
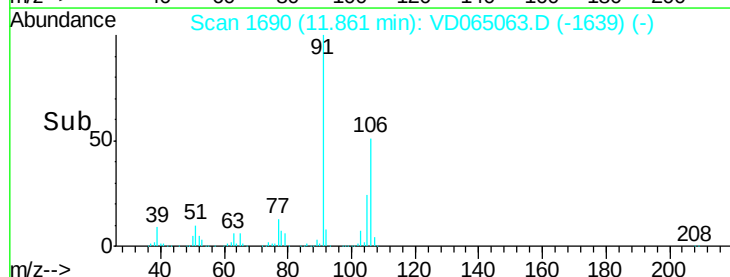
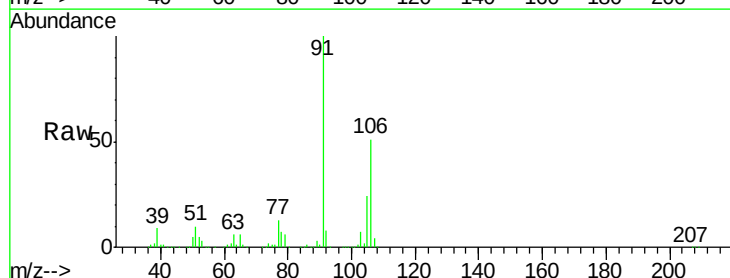
Acq: 05 Feb 2020 14:36

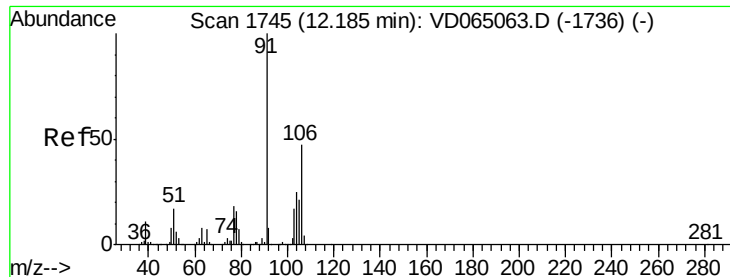
Tgt Ion: 106 Resp: 1064310

Ion Ratio Lower Upper

106 100

91 198.6 158.9 238.3

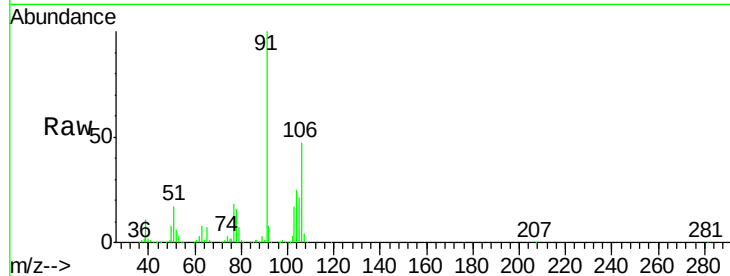




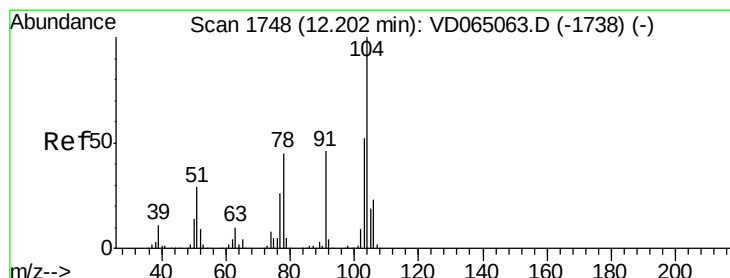
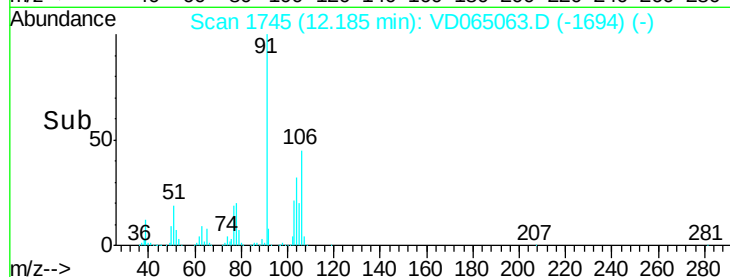
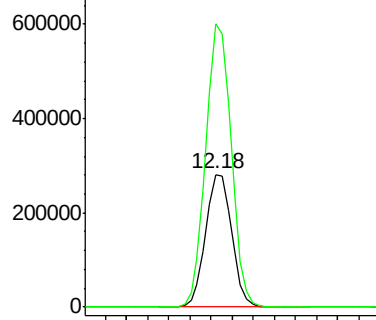
#69
o-Xylene
Concen: 51.48 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 478212
Ion Ratio Lower Upper
106 100
91 209.3 104.7 313.9

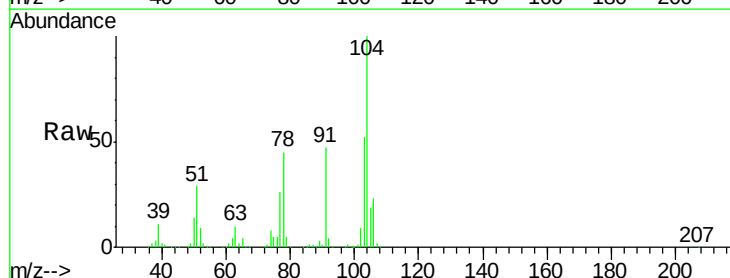


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

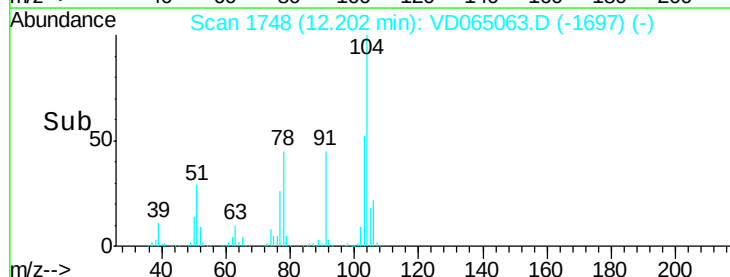
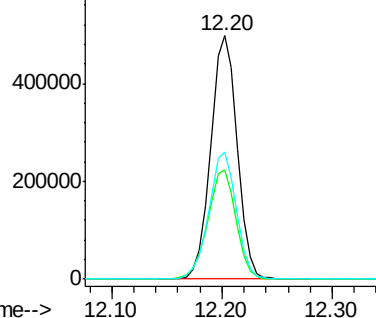


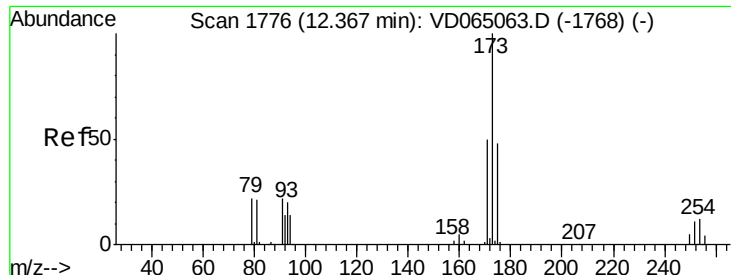
#70
Styrene
Concen: 50.83 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion:104 Resp: 835434
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 54.8 43.8 65.8



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





#71

Bromoform

Concen: 46.25 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

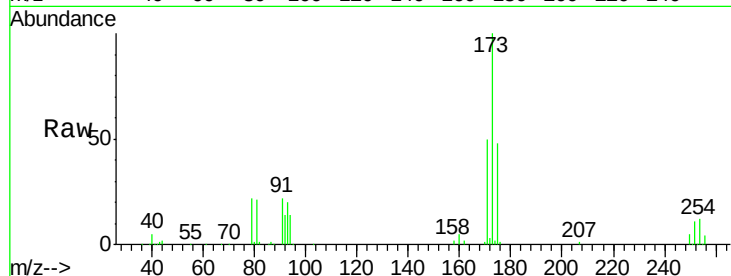
Tgt Ion:173 Resp: 145809

Ion Ratio Lower Upper

173 100

175 48.5 24.3 72.8

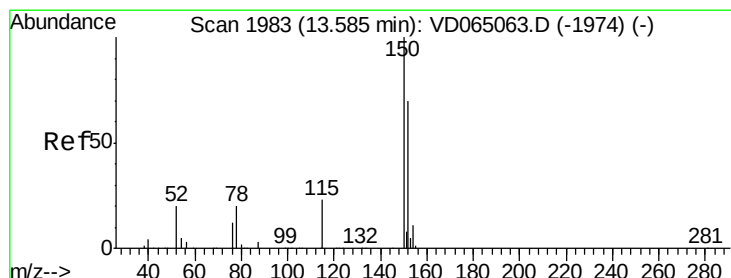
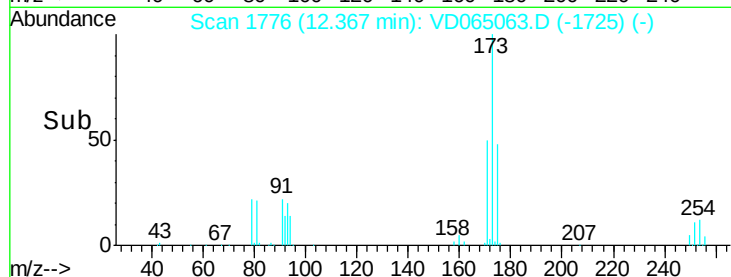
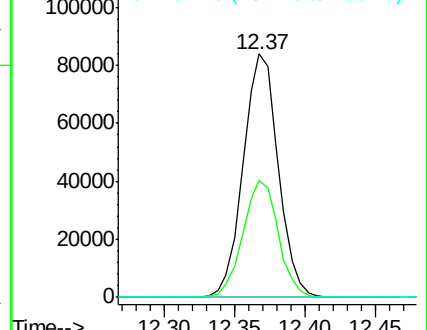
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

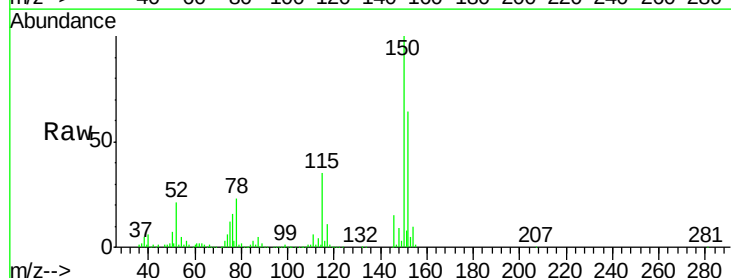
Tgt Ion:152 Resp: 364285

Ion Ratio Lower Upper

152 100

115 54.9 27.5 82.4

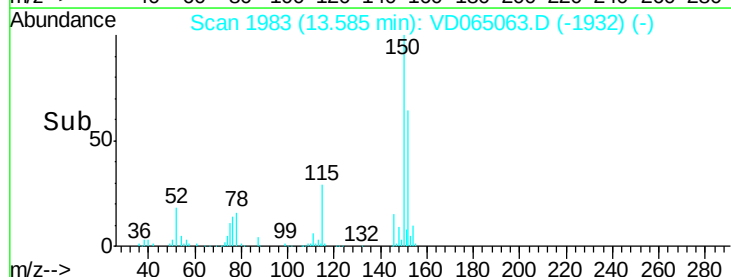
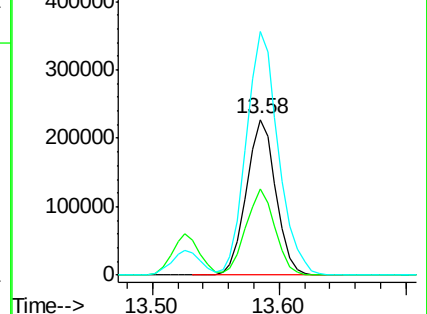
150 171.6 0.0 343.2

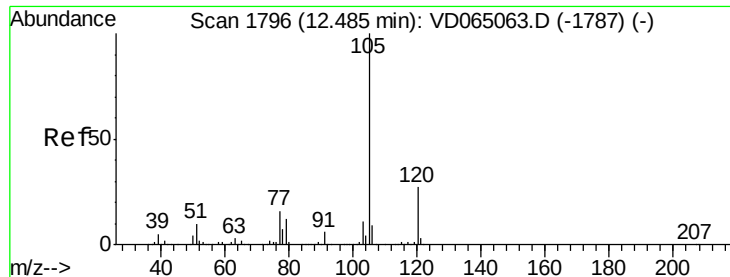


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.41 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

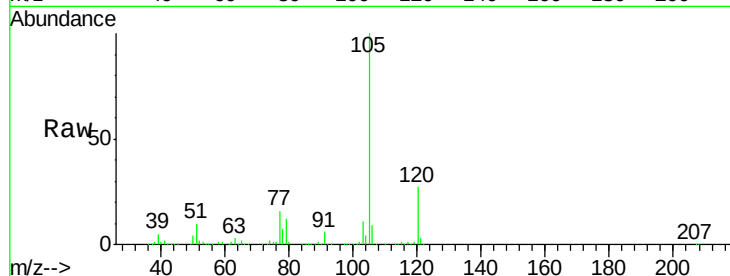
VSTDICCC050

Tgt Ion:105 Resp: 1307818

Ion Ratio Lower Upper

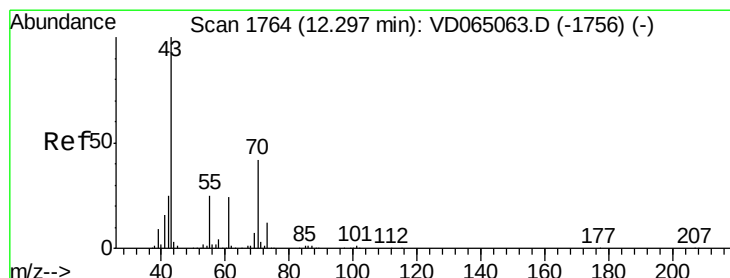
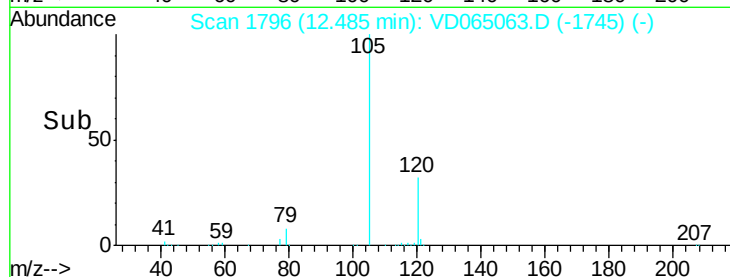
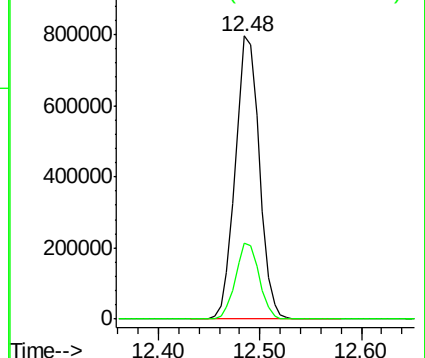
105 100

120 26.6 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: 50.28 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Tgt Ion: 43 Resp: 279073

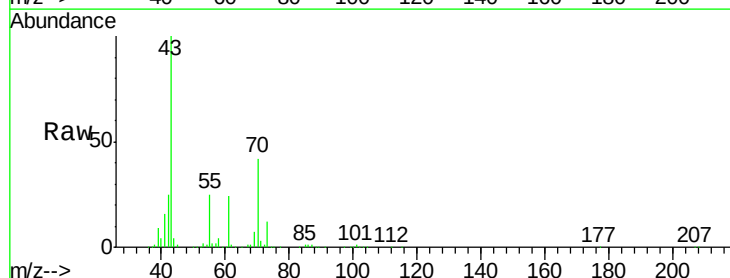
Ion Ratio Lower Upper

43 100

70 41.9 33.5 50.3

55 24.3 19.4 29.2

61 23.3 18.6 28.0

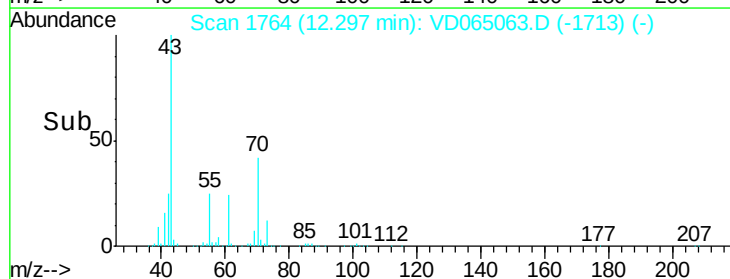
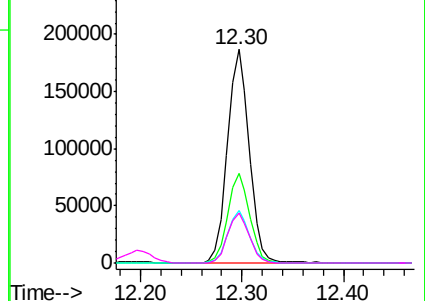


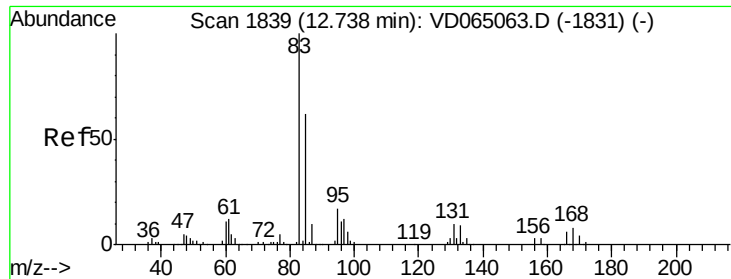
Abundance Ion 43.00 (42.70 to 43.70): V

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: 47.64 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

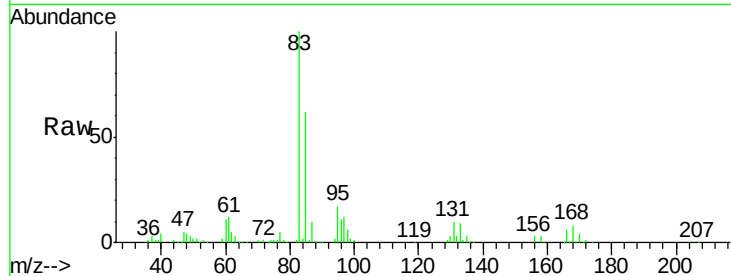
Tgt Ion: 83 Resp: 197732

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.4

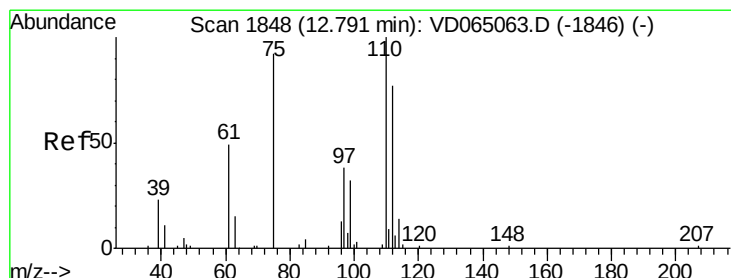
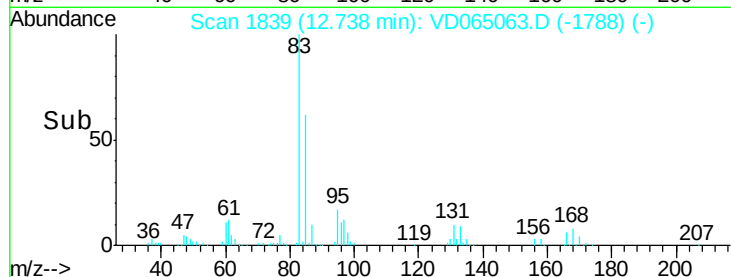
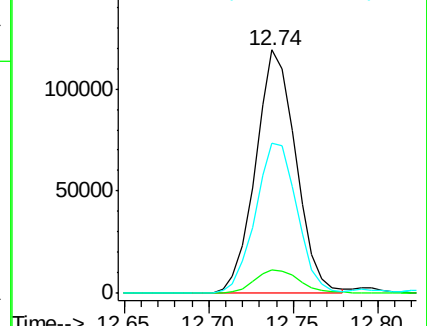
85 63.6 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 90.99 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065063.D

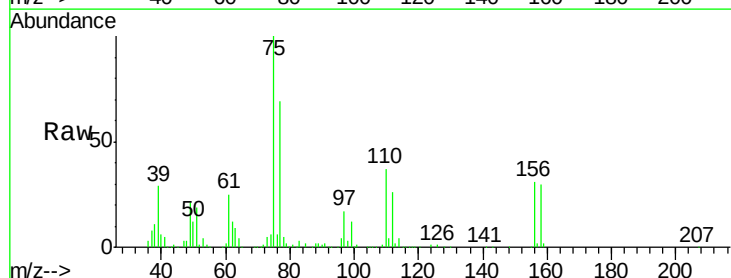
Acq: 05 Feb 2020 14:36

Tgt Ion: 75 Resp: 268049

Ion Ratio Lower Upper

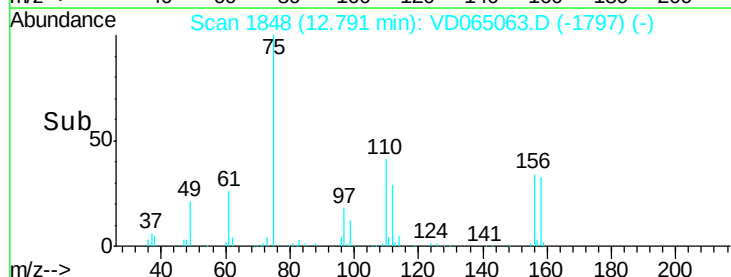
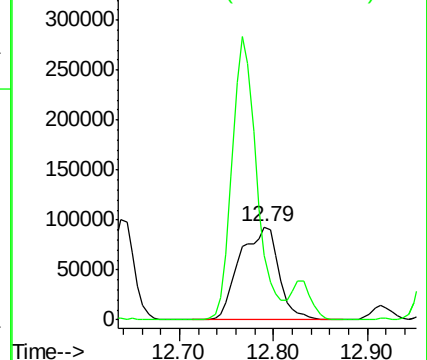
75 100

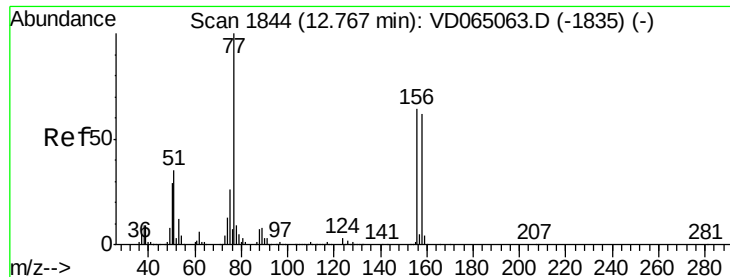
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.30 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

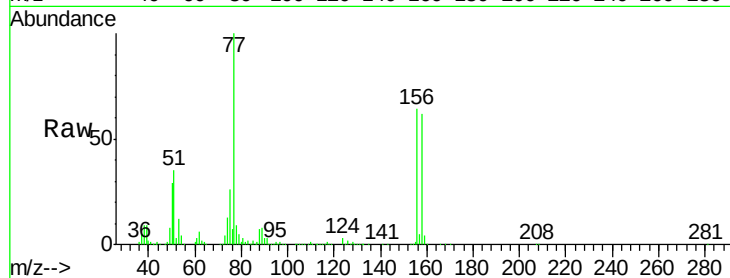
Tgt Ion:156 Resp: 306190

Ion Ratio Lower Upper

156 100

77 171.2 85.6 256.8

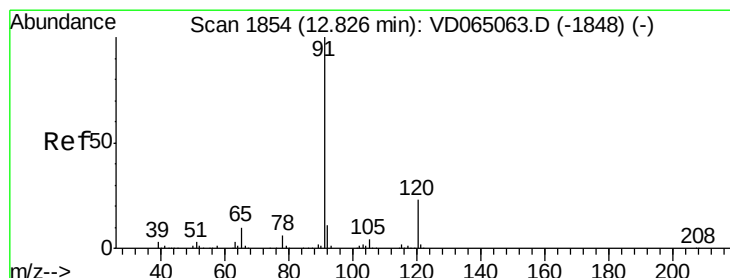
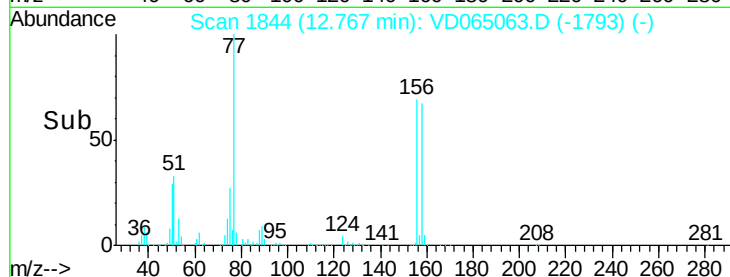
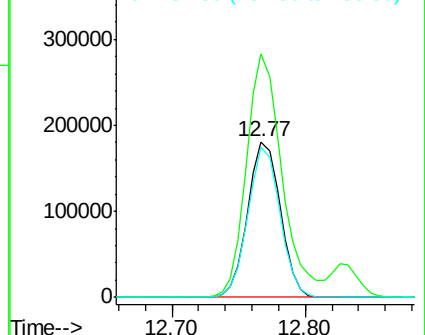
158 94.8 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.75 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065063.D

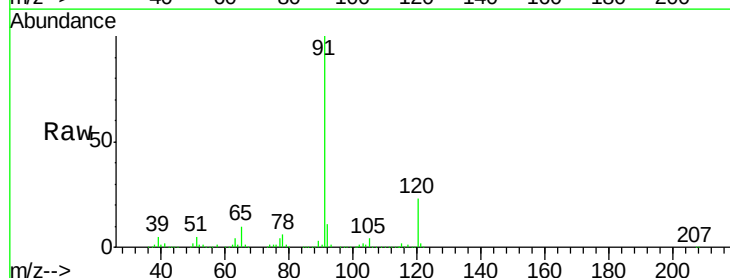
Acq: 05 Feb 2020 14:36

Tgt Ion: 91 Resp: 1534394

Ion Ratio Lower Upper

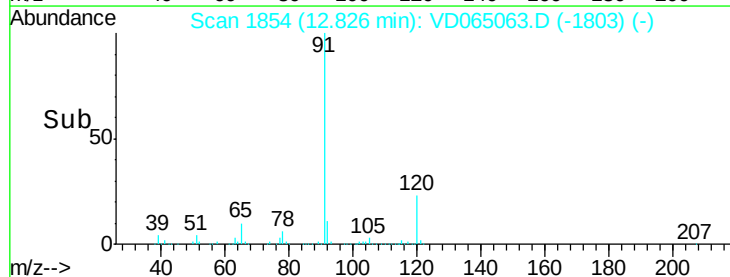
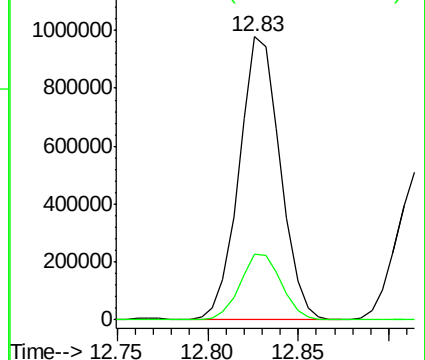
91 100

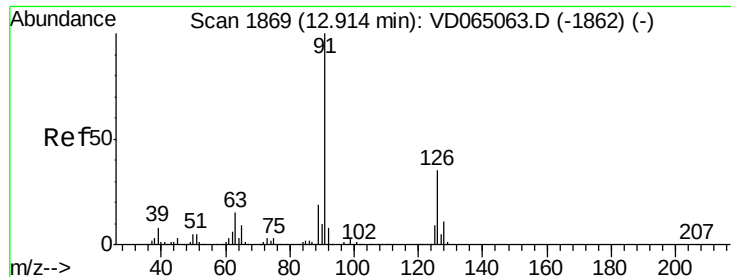
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.65 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

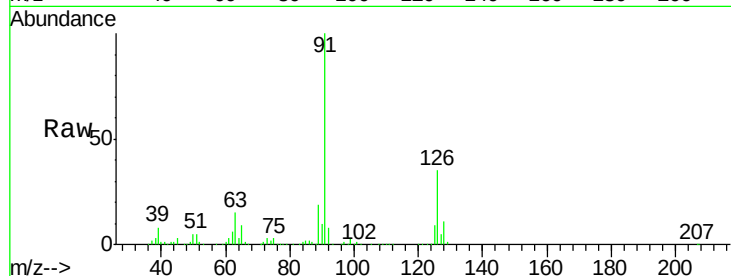
VSTDICCC050

Tgt Ion: 91 Resp: 841611

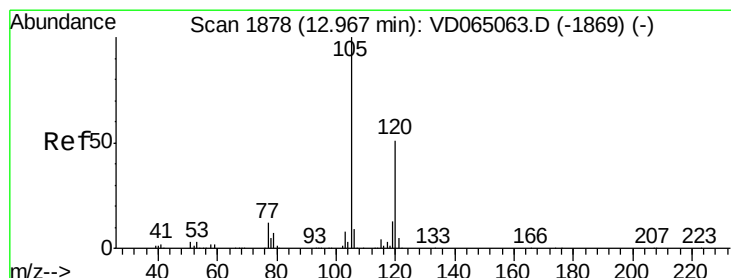
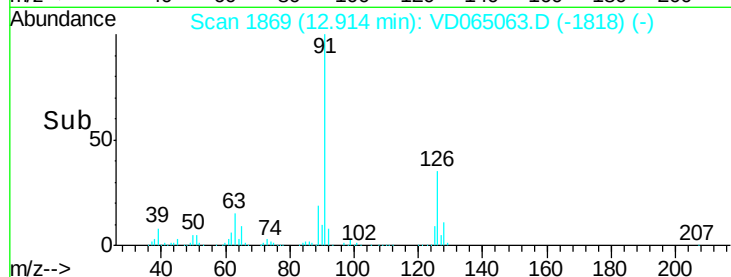
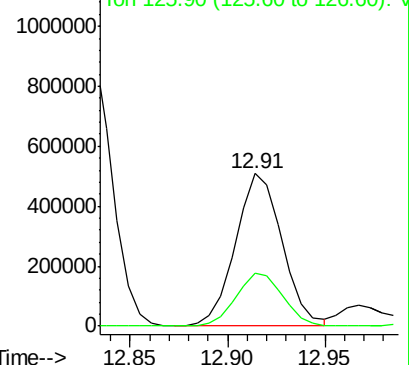
Ion Ratio Lower Upper

91 100

126 34.9 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VD065063.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.73 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065063.D

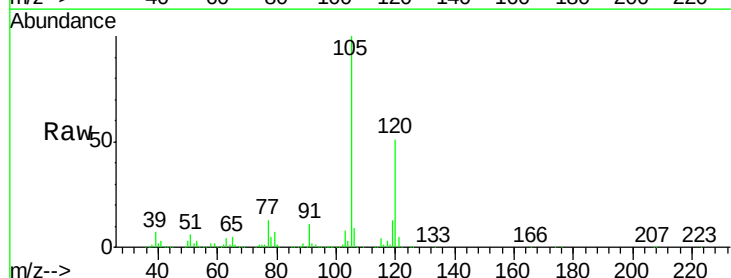
Acq: 05 Feb 2020 14:36

Tgt Ion: 105 Resp: 1057474

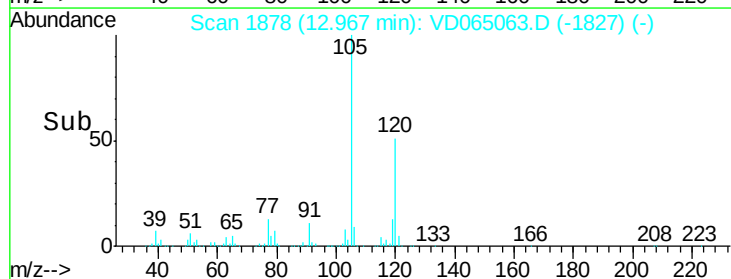
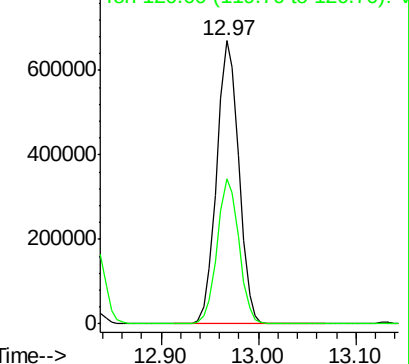
Ion Ratio Lower Upper

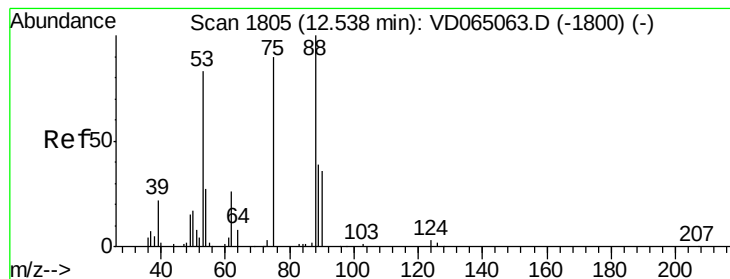
105 100

120 50.3 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VD065063.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.98 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

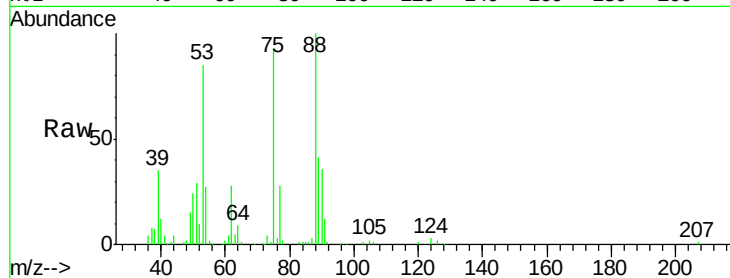
Tgt Ion: 75 Resp: 70592

Ion Ratio Lower Upper

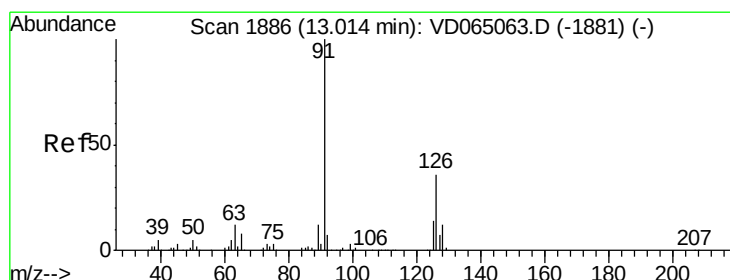
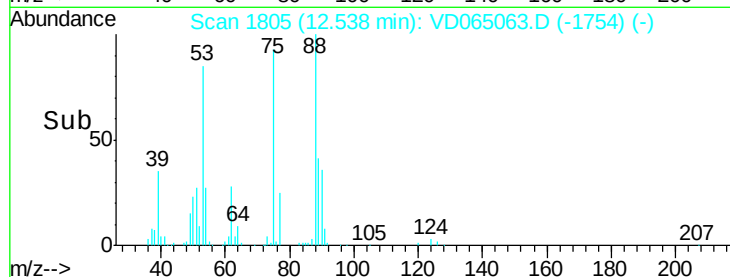
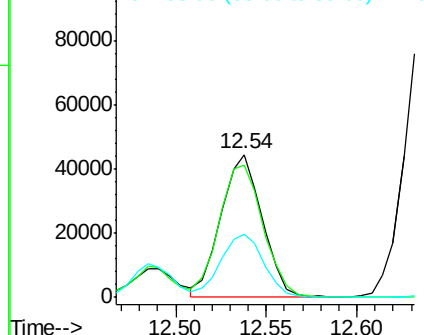
75 100

53 98.1 78.5 117.7

89 46.2 37.0 55.4



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



#82

4-Chlorotoluene

Concen: 50.92 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065063.D

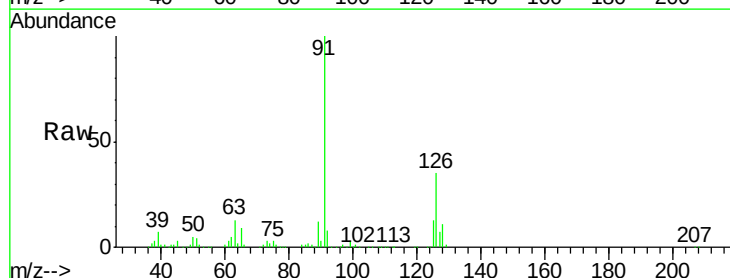
Acq: 05 Feb 2020 14:36

Tgt Ion: 91 Resp: 879057

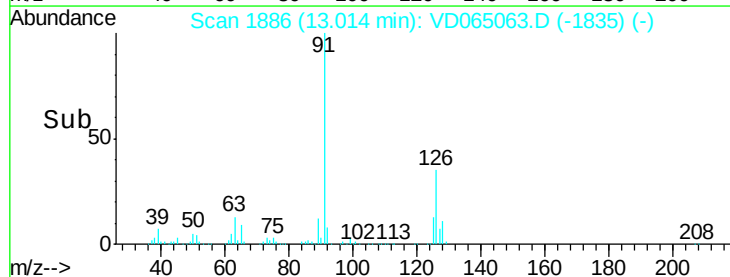
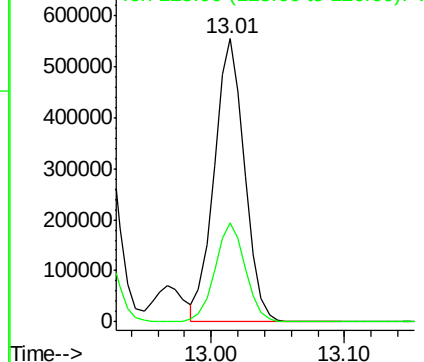
Ion Ratio Lower Upper

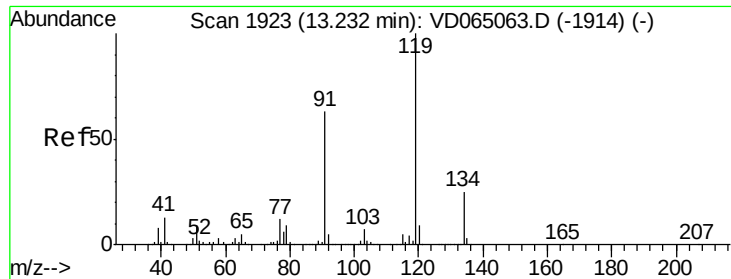
91 100

126 35.0 17.5 52.5



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

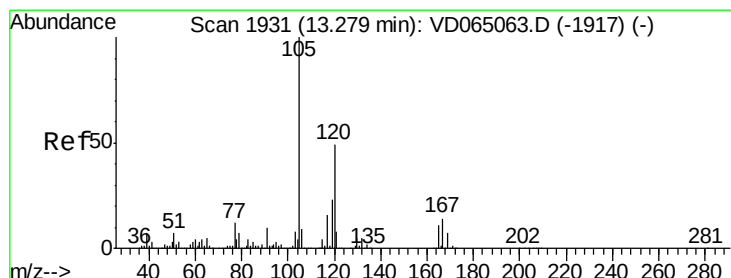
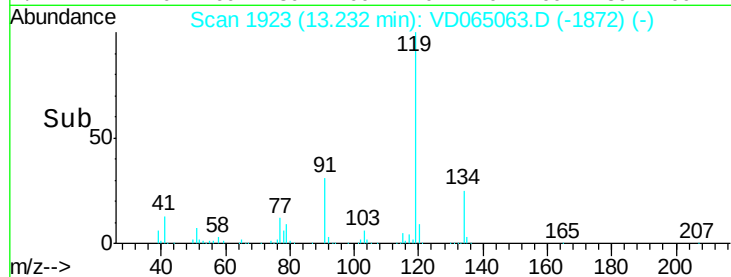
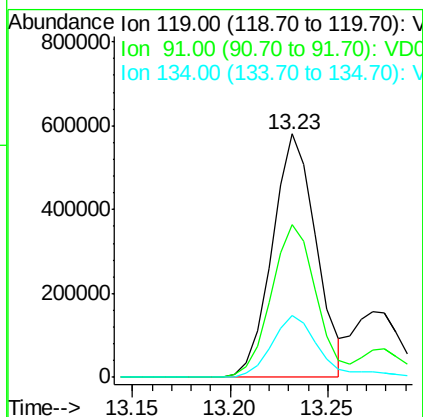
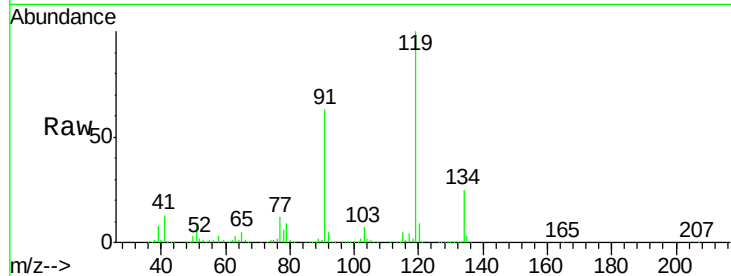




#83
 tert-Butylbenzene
 Concen: 52.10 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

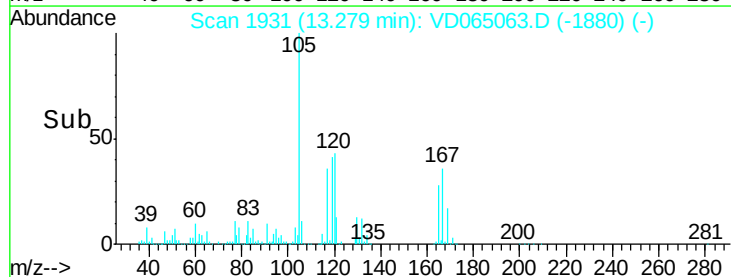
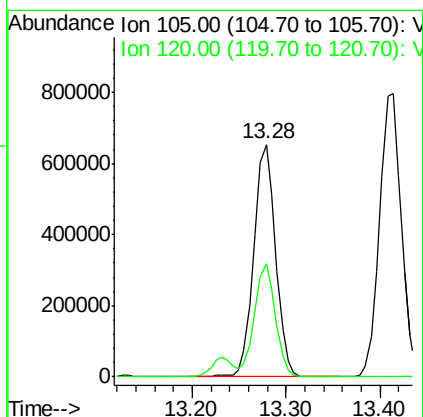
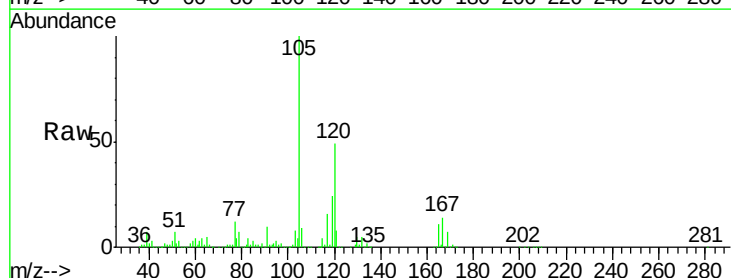
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

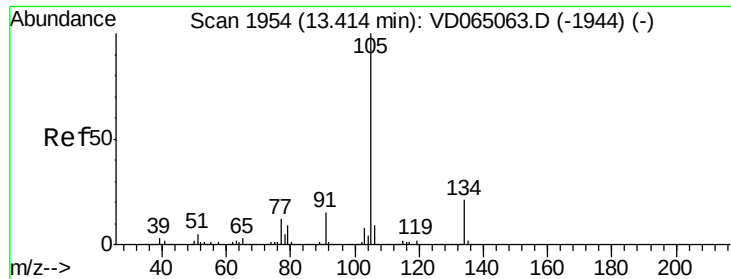
Tgt Ion:119 Resp: 902648
 Ion Ratio Lower Upper
 119 100
 91 64.6 32.3 96.9
 134 27.5 13.8 41.3



#84
 1,2,4-Trimethylbenzene
 Concen: 50.90 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Tgt Ion:105 Resp: 1050764
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.5 70.5





#85

sec-Butylbenzene

Concen: 51.90 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

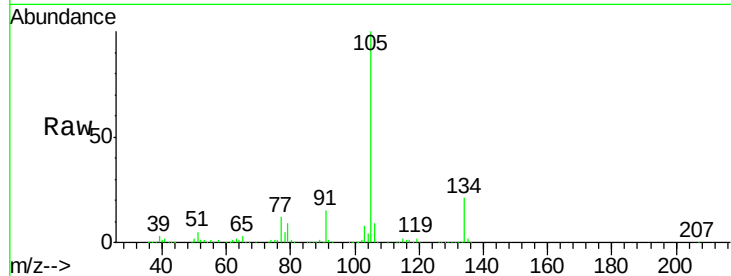
VSTDICCC050

Tgt Ion:105 Resp: 1276999

Ion Ratio Lower Upper

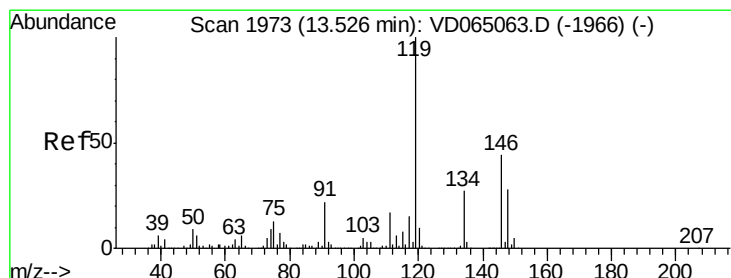
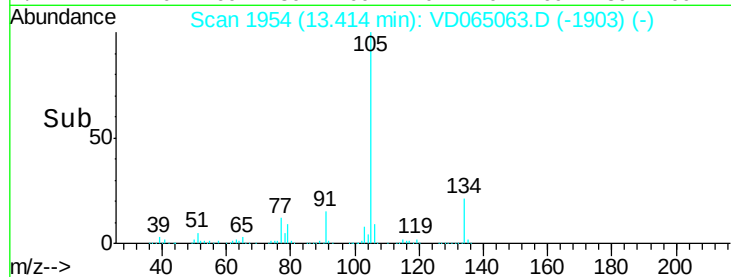
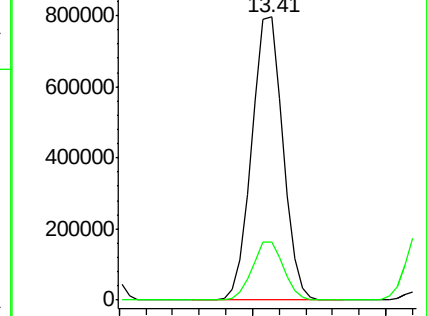
105 100

134 20.7 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.84 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

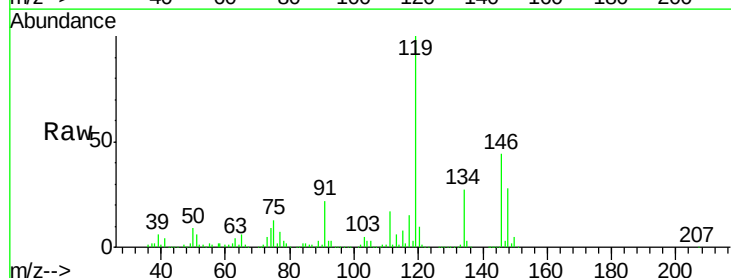
Tgt Ion:119 Resp: 1188214

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

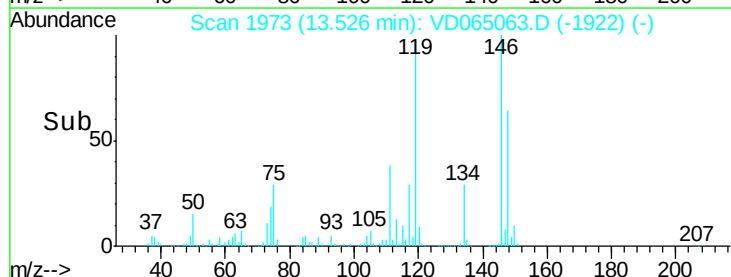
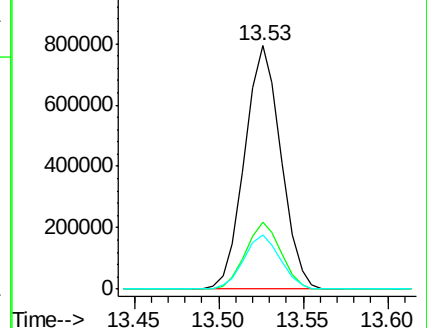
91 22.6 11.3 33.9

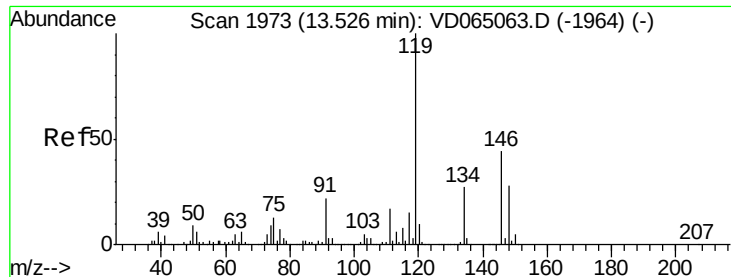


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

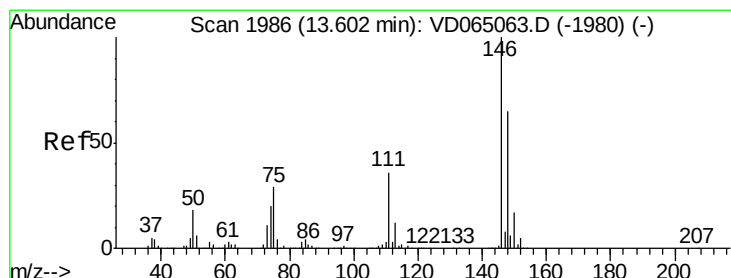
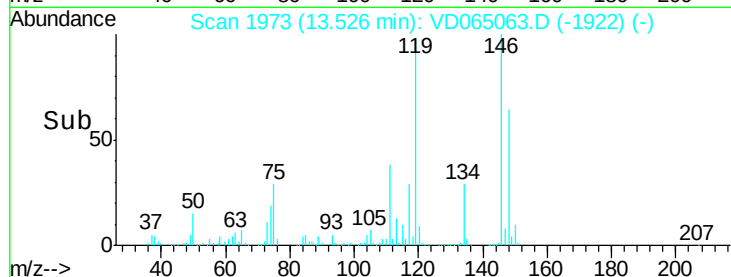
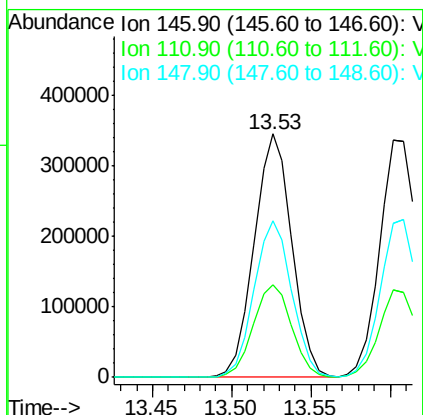
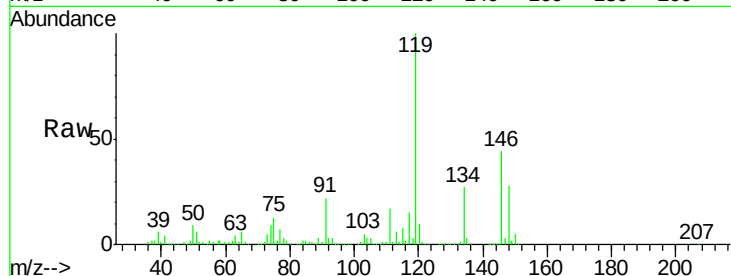




#87
 1,3-Dichlorobenzene
 Concen: 49.01 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

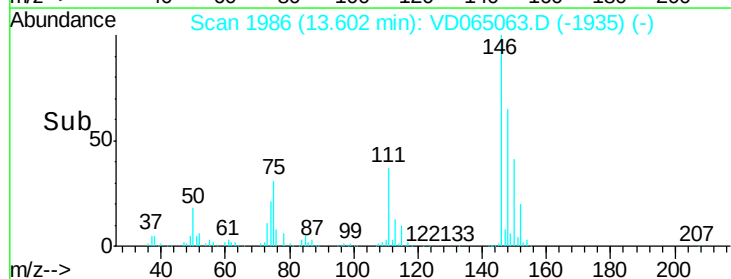
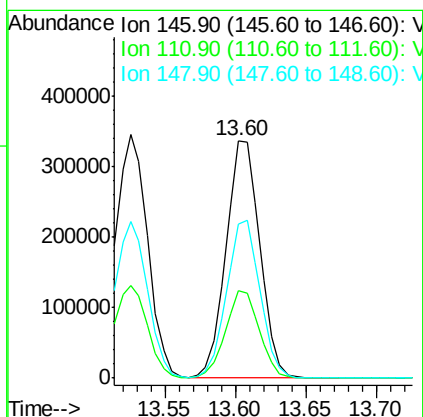
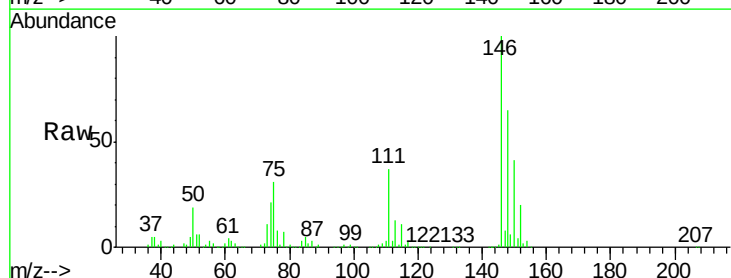
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

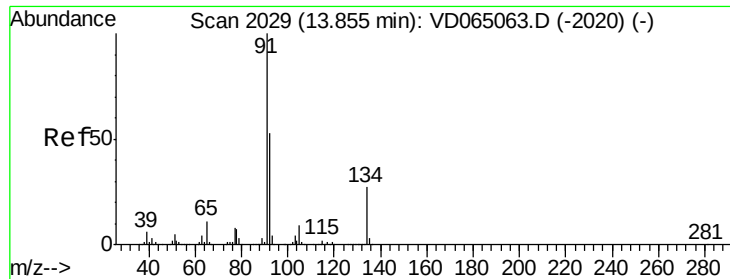
Tgt Ion:146 Resp: 571105
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.4 58.4
 148 64.5 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 48.64 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Tgt Ion:146 Resp: 562491
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.5 55.5
 148 65.4 32.7 98.1





#89

n-Butylbenzene

Concen: 52.40 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

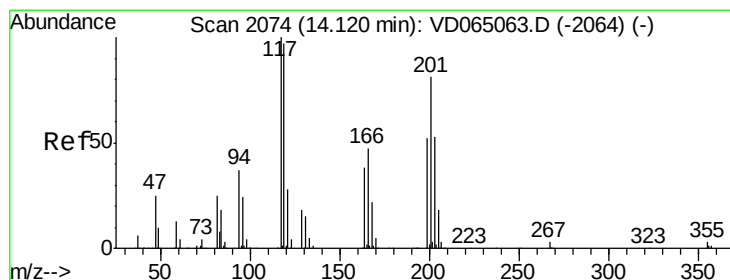
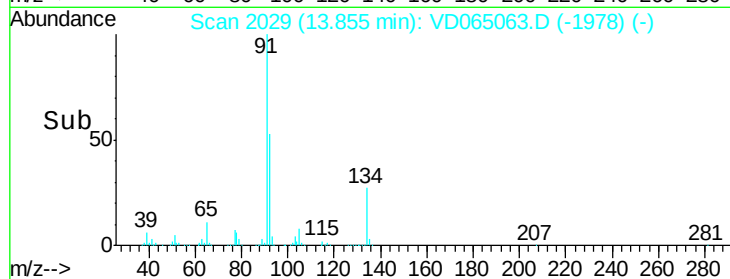
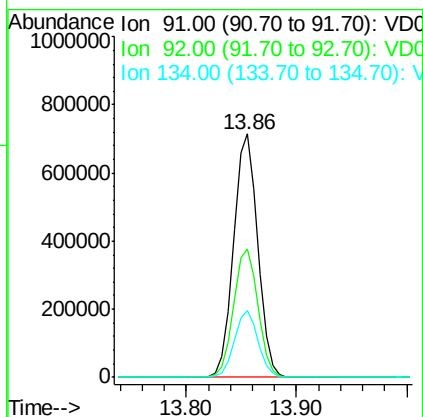
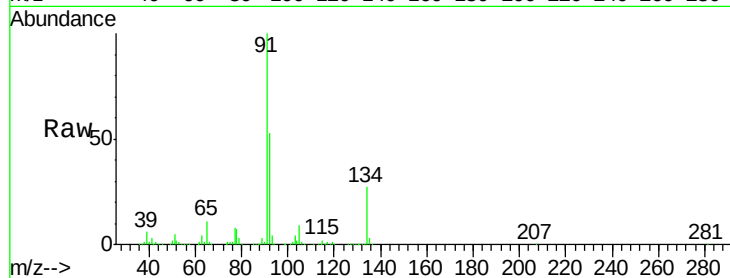
Tgt Ion: 91 Resp: 1096140

Ion Ratio Lower Upper

91 100

92 53.4 26.7 80.1

134 26.8 13.4 40.2



#90

Hexachloroethane

Concen: 49.97 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD065063.D

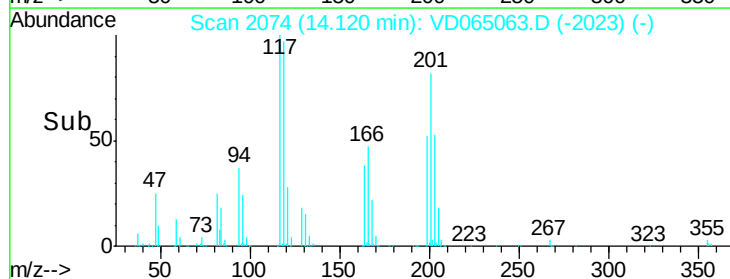
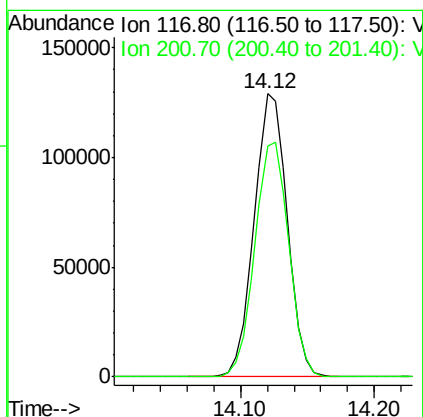
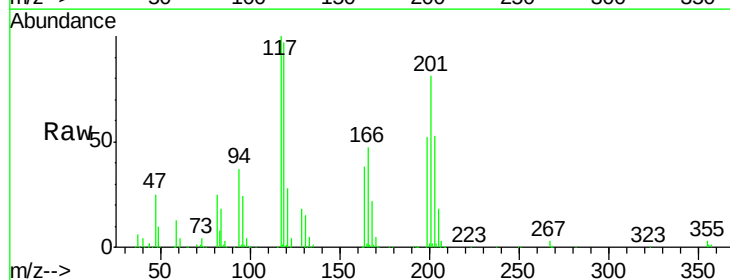
Acq: 05 Feb 2020 14:36

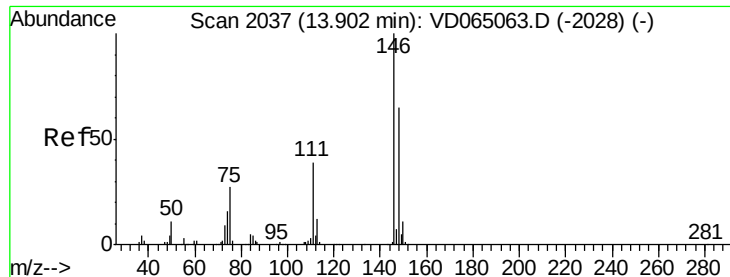
Tgt Ion: 117 Resp: 220337

Ion Ratio Lower Upper

117 100

201 85.1 42.5 127.6

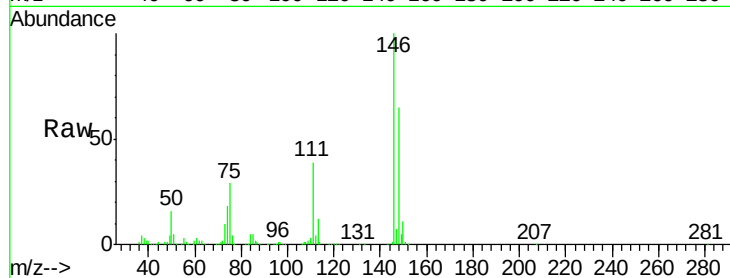




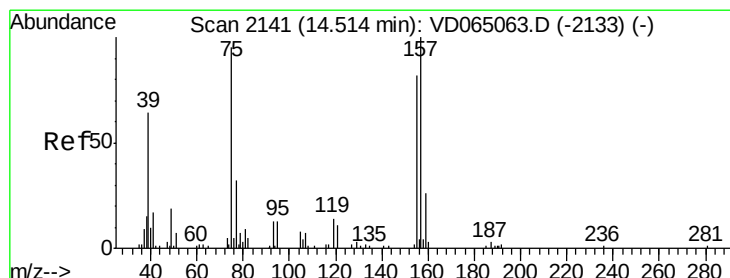
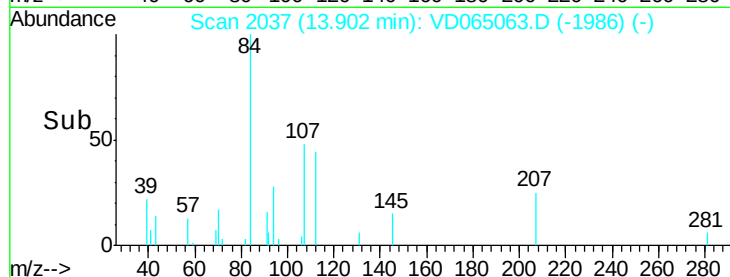
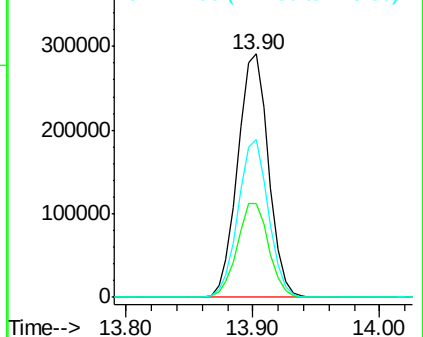
#91
 1,2-Dichlorobenzene
 Concen: 49.49 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.1
148	63.7	31.9	95.5

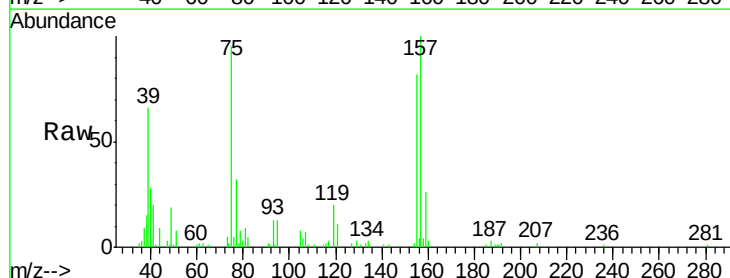


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

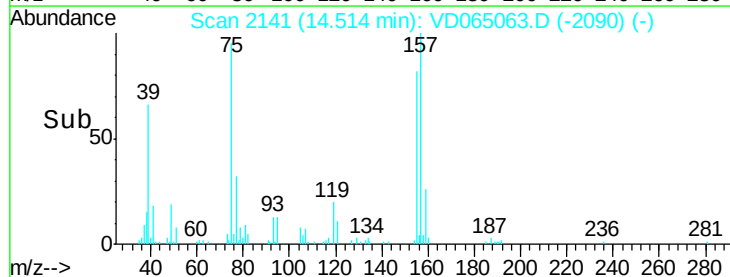
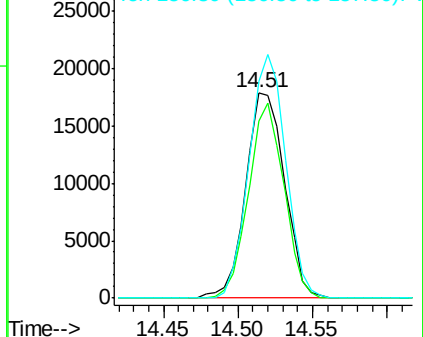


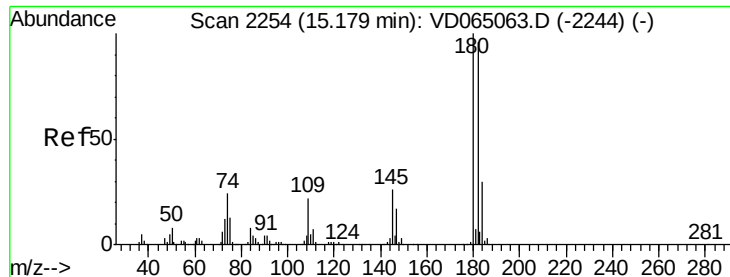
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.06 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.7	43.4	130.1
157	111.5	55.8	167.3



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

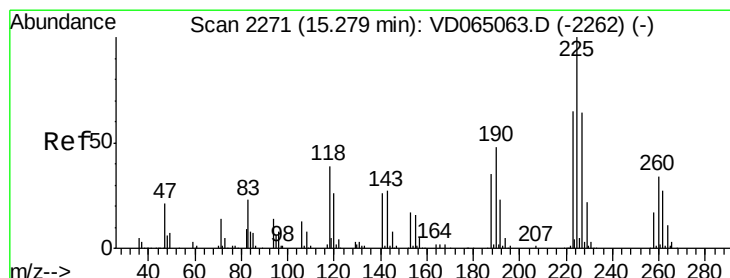
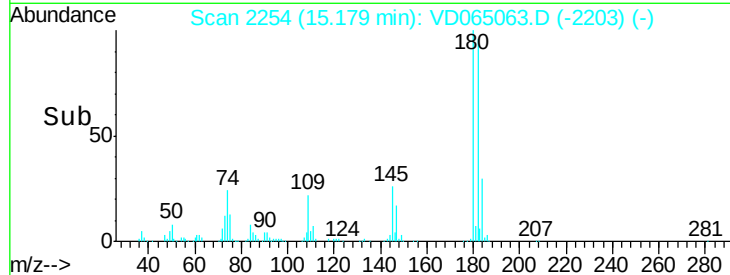
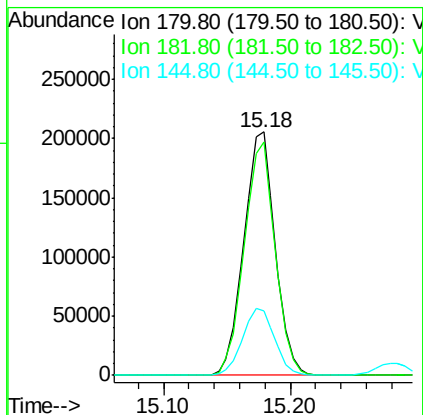
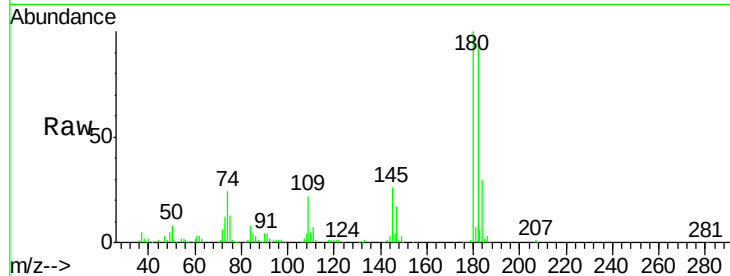




#93
 1,2,4-Trichlorobenzene
 Concen: 51.29 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

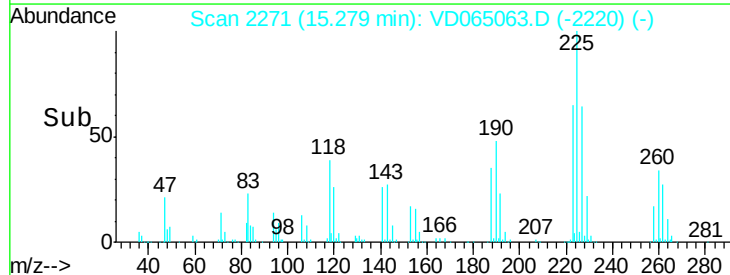
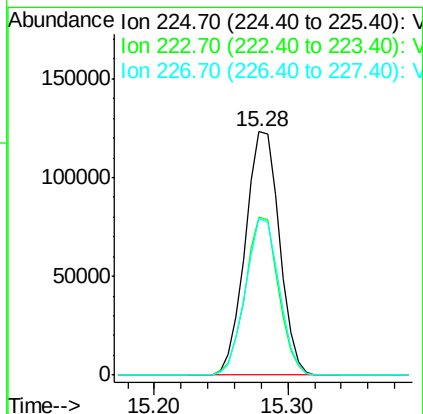
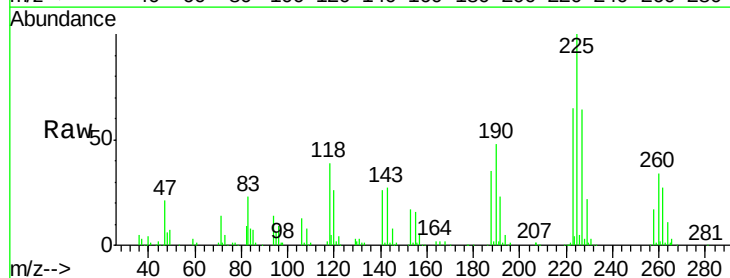
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

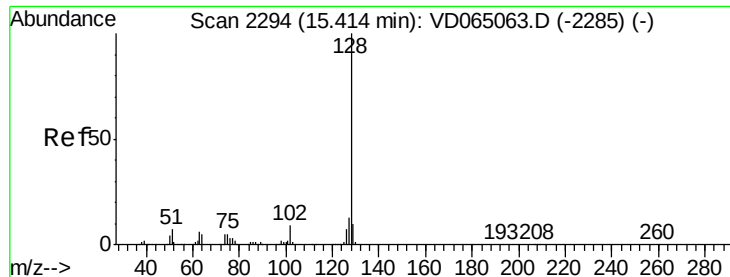
Tgt Ion:180 Resp: 353150
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.4 142.3
 145 28.3 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 49.85 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Tgt Ion:225 Resp: 217111
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.4 94.0
 227 63.5 31.8 95.3

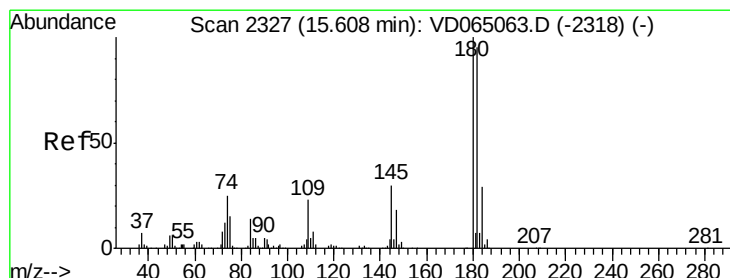
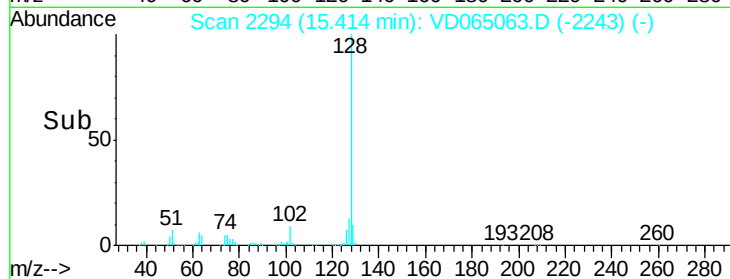
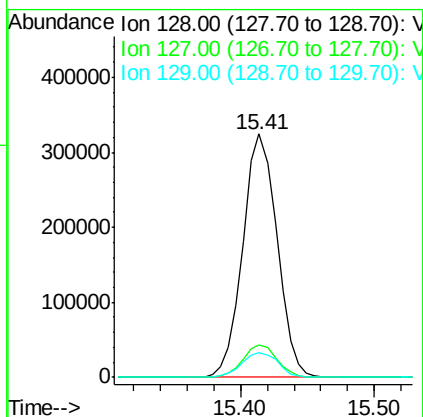
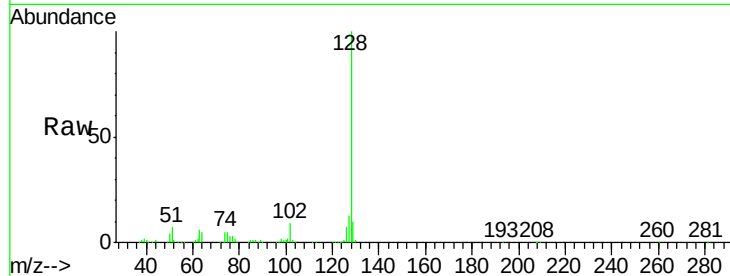




#95
Naphthalene
Concen: 51.99 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 575292
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 49.60 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion:180 Resp: 293554
Ion Ratio Lower Upper
180 100
182 94.3 47.1 141.4
145 29.9 14.9 44.9

