

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012720\
 Data File : VD064957.D
 Acq On : 27 Jan 2020 10:28
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 27 11:21:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	520280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	747491	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	652608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	317951	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	245287	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
35) Dibromofluoromethane	7.91	113	243262	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
50) Toluene-d8	10.34	98	950133	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
62) 4-Bromofluorobenzene	12.64	95	294067	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	224132	57.18	ug/l	98
3) Chloromethane	2.21	50	290725	50.61	ug/l	97
4) Vinyl Chloride	2.35	62	341018	51.69	ug/l	98
5) Bromomethane	2.77	94	211577	47.67	ug/l	97
6) Chloroethane	2.93	64	214395	49.29	ug/l	100
7) Trichlorofluoromethane	3.27	101	515602	50.60	ug/l	99
8) Diethyl Ether	3.71	74	112389	48.86	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	263015	55.48	ug/l	99
10) Methyl Iodide	4.29	142	279156	55.47	ug/l	100
11) Tert butyl alcohol	5.25	59	61885	224.40	ug/l	97
12) 1,1-Dichloroethene	4.06	96	249059	54.99	ug/l	94
13) Acrolein	3.93	56	102795	297.33	ug/l	94
14) Allyl chloride	4.70	41	401329	55.56	ug/l	98
15) Acrylonitrile	5.43	53	245159	246.11	ug/l	100
16) Acetone	4.16	43	331350	286.90	ug/l	98
17) Carbon Disulfide	4.40	76	804462	53.97	ug/l	99
18) Methyl Acetate	4.72	43	111275	47.61	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	518774	51.27	ug/l	99
20) Methylene Chloride	4.96	84	256460	53.26	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	278217	53.32	ug/l	98
22) Diisopropyl ether	6.37	45	770470	53.52	ug/l	99
23) Vinyl Acetate	6.31	43	2212453	262.50	ug/l	98
24) 1,1-Dichloroethane	6.26	63	467929	52.94	ug/l	98
25) 2-Butanone	7.22	43	357322	265.02	ug/l	100
26) 2,2-Dichloropropane	7.21	77	444508	55.45	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	294294	52.84	ug/l	99
28) Bromochloromethane	7.55	49	152178	43.05	ug/l	100
29) Tetrahydrofuran	7.57	42	198692	238.84	ug/l	99
30) Chloroform	7.71	83	475121	52.00	ug/l	98
31) Cyclohexane	7.98	56	454333	52.25	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	449897	52.93	ug/l	99
36) 1,1-Dichloropropene	8.11	75	394925	54.79	ug/l	99
37) Ethyl Acetate	7.30	43	147977	49.70	ug/l	98
38) Carbon Tetrachloride	8.10	117	419491	55.06	ug/l	96

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 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	478982	56.84	ug/l	95
40) Benzene	8.35	78	1069521	53.88	ug/l	97
41) Methacrylonitrile	7.53	41	90071	56.16	ug/l	95
42) 1,2-Dichloroethane	8.43	62	298334	50.45	ug/l	98
43) Isopropyl Acetate	8.46	43	276994	48.98	ug/l	99
44) Trichloroethene	9.11	130	304889	54.88	ug/l	98
45) 1,2-Dichloropropane	9.38	63	254450	52.87	ug/l	100
46) Dibromomethane	9.48	93	132577	50.46	ug/l	99
47) Bromodichloromethane	9.67	83	361024	52.81	ug/l	99
48) Methyl methacrylate	9.46	41	132255	50.82	ug/l	97
49) 1,4-Dioxane	9.47	88	29822	978.66	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	703384	248.56	ug/l	100
52) Toluene	10.41	92	691316	54.01	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	343269	52.71	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	412392	54.09	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	179651	50.76	ug/l	98
56) Ethyl methacrylate	10.67	69	223265	52.75	ug/l	99
57) 1,3-Dichloropropane	10.95	76	311664	51.34	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	323664	230.20	ug/l	99
59) 2-Hexanone	10.99	43	558072	285.91	ug/l	99
60) Dibromochloromethane	11.14	129	246409	52.09	ug/l	99
61) 1,2-Dibromoethane	11.25	107	173027	50.77	ug/l	98
64) Tetrachloroethene	10.88	164	262145	55.59	ug/l	99
65) Chlorobenzene	11.68	112	716788	54.10	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	270907	54.36	ug/l	99
67) Ethyl Benzene	11.75	91	1329567	56.52	ug/l	100
68) m/p-Xylenes	11.86	106	1039814	114.80	ug/l	99
69) o-Xylene	12.18	106	453287	56.39	ug/l	99
70) Styrene	12.20	104	808066	56.43	ug/l	99
71) Bromoform	12.37	173	141262	51.00	ug/l #	99
73) Isopropylbenzene	12.48	105	1268682	58.38	ug/l	100
74) N-amyl acetate	12.30	43	253639	52.16	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	182484	49.96	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	253019	95.88	ug/l #	100
77) Bromobenzene	12.77	156	289935	54.53	ug/l	99
78) n-propylbenzene	12.83	91	1511950	58.50	ug/l	99
79) 2-Chlorotoluene	12.91	91	806058	56.85	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1042340	58.53	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	65238	52.78	ug/l	97
82) 4-Chlorotoluene	13.01	91	848759	56.45	ug/l	98
83) tert-Butylbenzene	13.23	119	905873	59.94	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	1033070	57.26	ug/l	100
85) sec-Butylbenzene	13.41	105	1239404	57.92	ug/l	100
86) p-Isopropyltoluene	13.53	119	1183157	59.09	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	568456	55.72	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	551252	54.44	ug/l	100
89) n-Butylbenzene	13.85	91	1081708	59.19	ug/l	100
90) Hexachloroethane	14.12	117	218273	56.53	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	474888	54.83	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.53	75	28876	49.40	ug/l	95

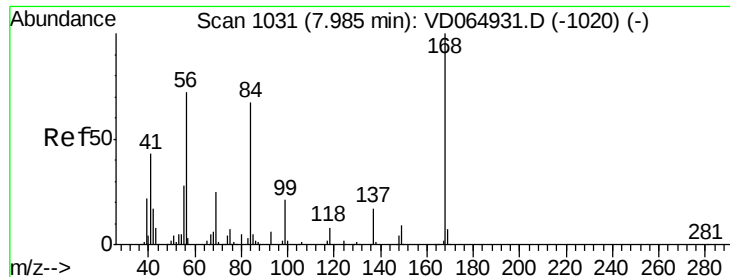
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012720\
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Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	331371	55.30	ug/l	99
94) Hexachlorobutadiene	15.28	225	210637	55.58	ug/l	99
95) Naphthalene	15.41	128	530867	54.90	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	279117	53.72	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

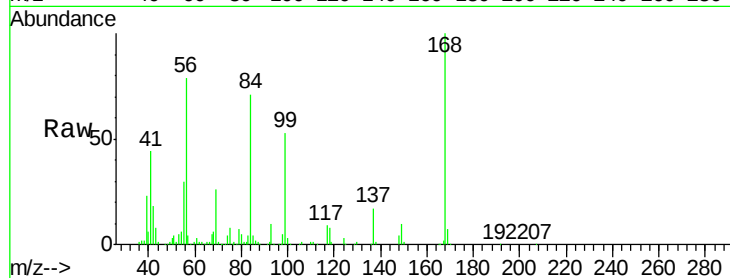
VSTDCCC050

Tgt Ion:168 Resp: 520280

Ion Ratio Lower Upper

168 100

99 53.2 43.3 64.9



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

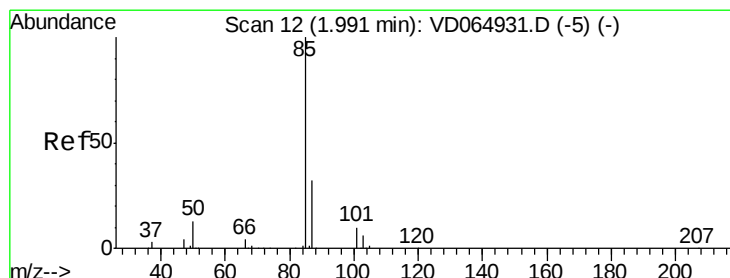
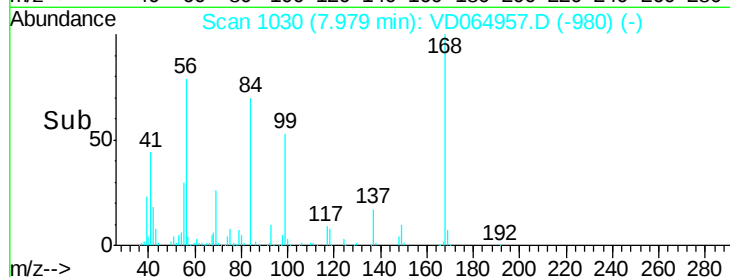
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 57.18 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064957.D

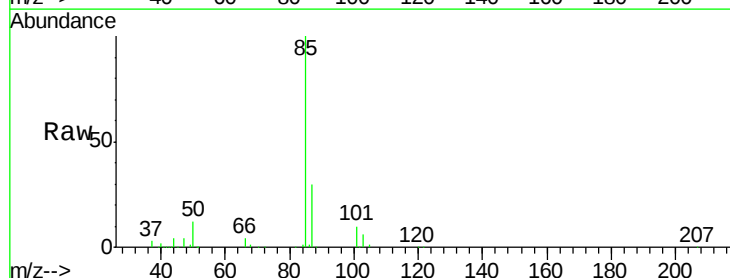
Acq: 27 Jan 2020 10:28

Tgt Ion: 85 Resp: 224132

Ion Ratio Lower Upper

85 100

87 30.5 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

150000

100000

50000

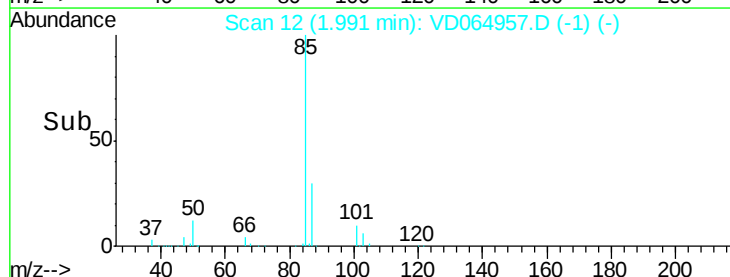
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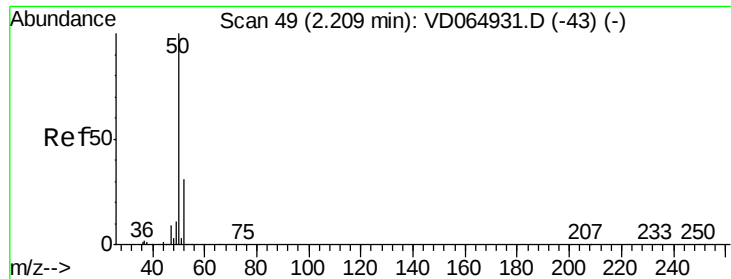
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 50.61 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

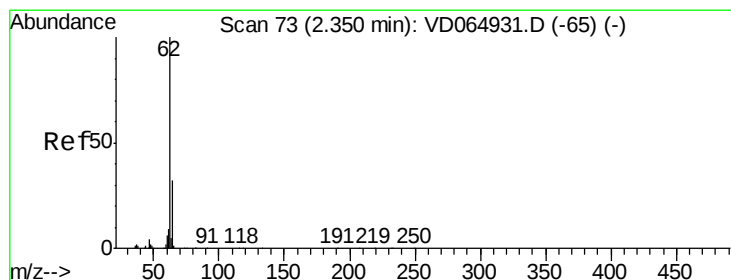
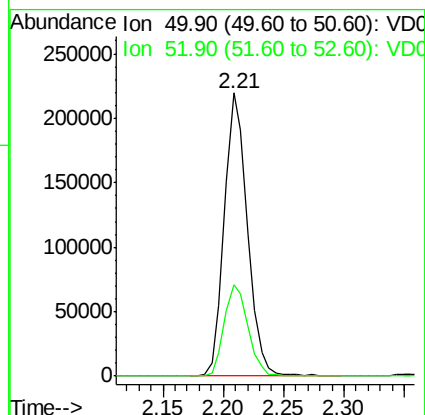
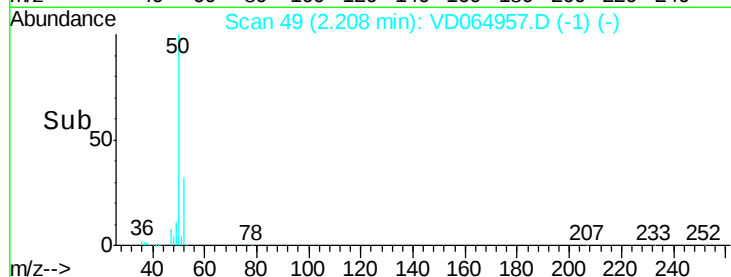
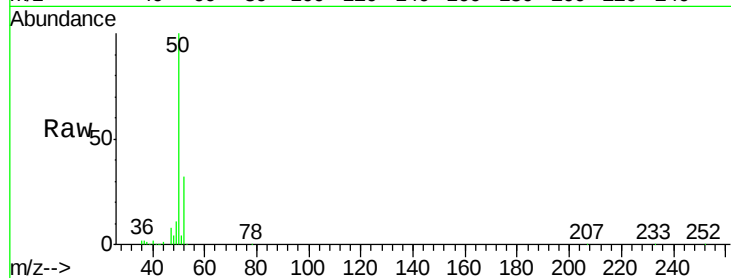
VSTDCCC050

Tgt Ion: 50 Resp: 290725

Ion Ratio Lower Upper

50 100

52 32.4 24.6 36.8



#4

Vinyl Chloride

Concen: 51.69 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064957.D

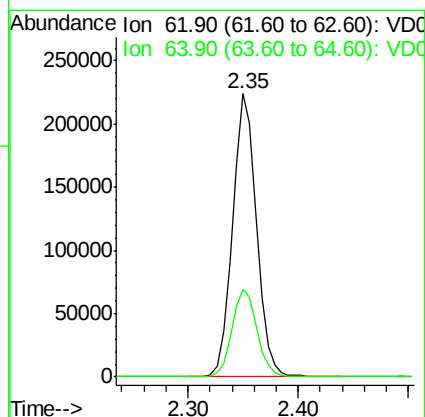
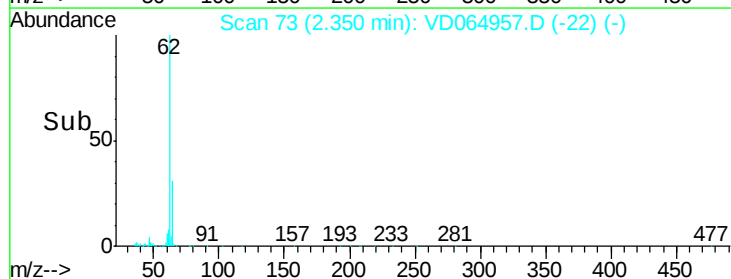
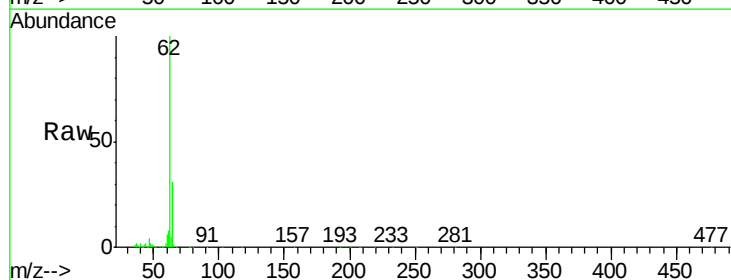
Acq: 27 Jan 2020 10:28

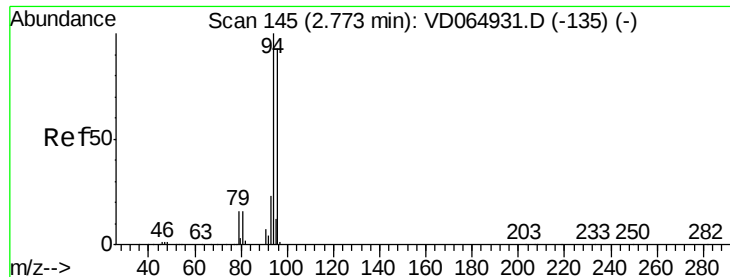
Tgt Ion: 62 Resp: 341018

Ion Ratio Lower Upper

62 100

64 30.7 25.6 38.4





#5

Bromomethane

Concen: 47.67 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

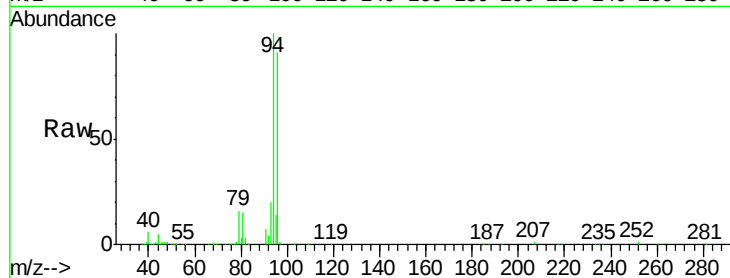
VSTDCCC050

Tgt Ion: 94 Resp: 211577

Ion Ratio Lower Upper

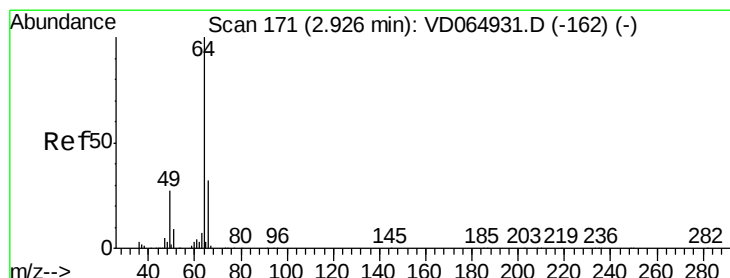
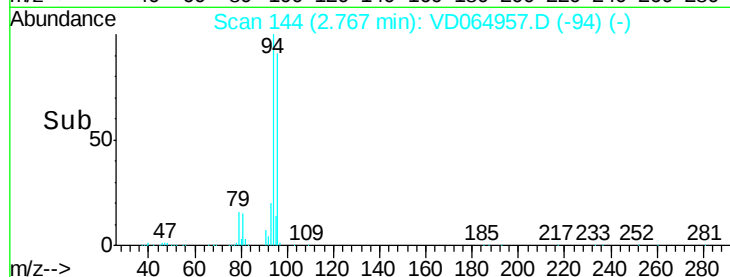
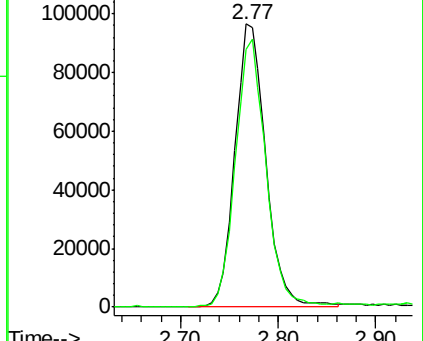
94 100

96 90.8 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.29 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD064957.D

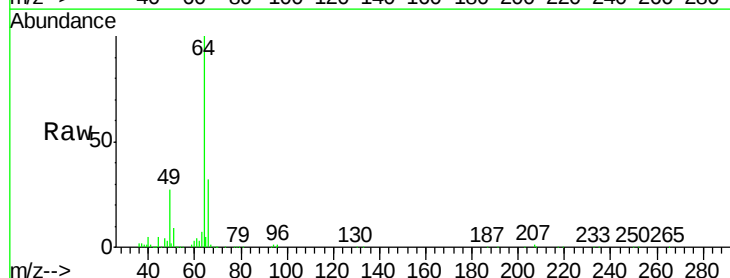
Acq: 27 Jan 2020 10:28

Tgt Ion: 64 Resp: 214395

Ion Ratio Lower Upper

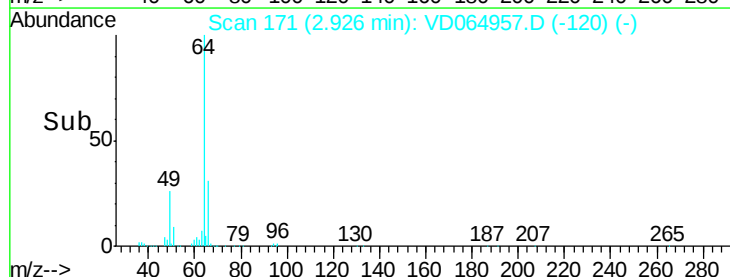
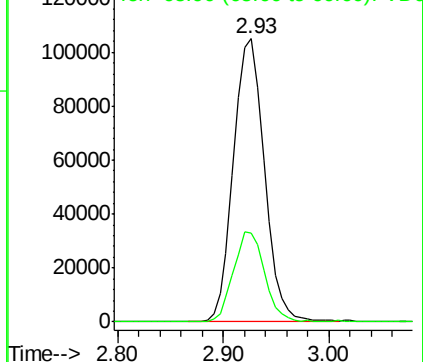
64 100

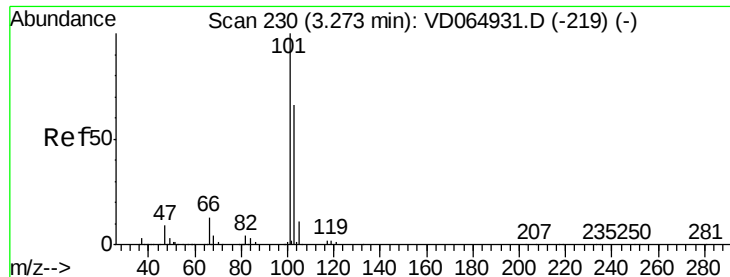
66 31.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



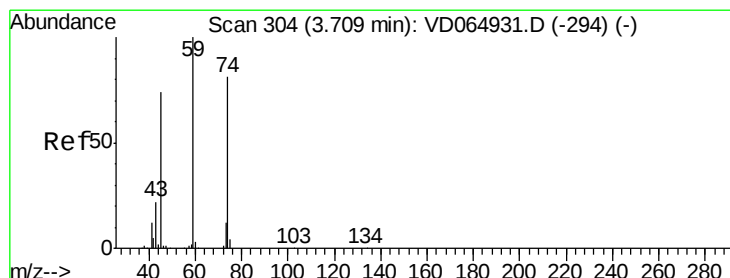
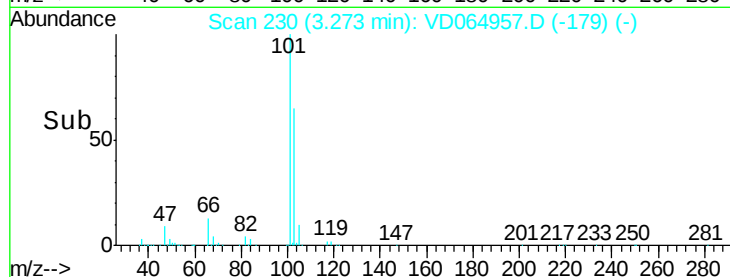
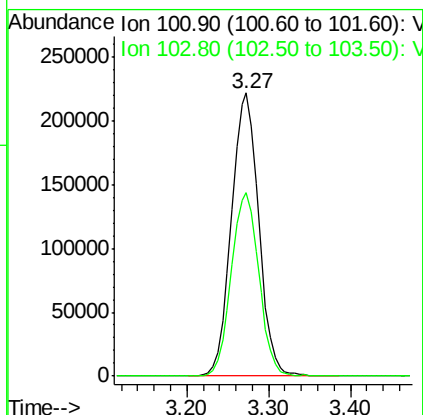
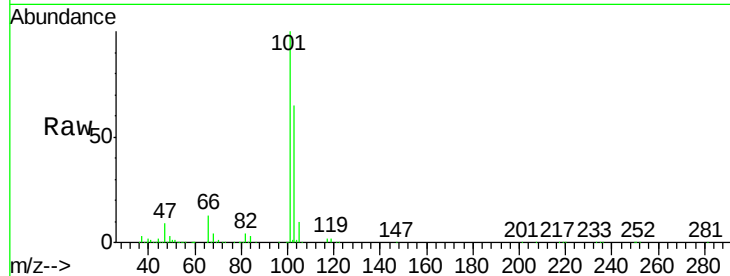


#7

Trichlorofluoromethane
Concen: 50.60 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Instrument :
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ClientSampleId :
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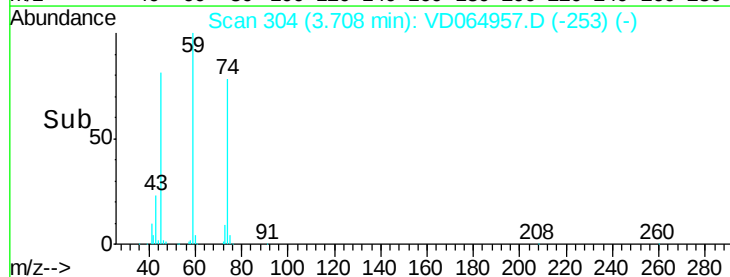
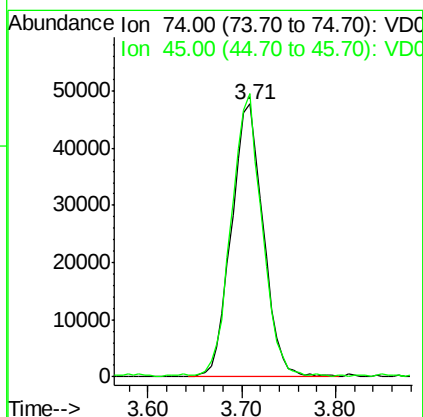
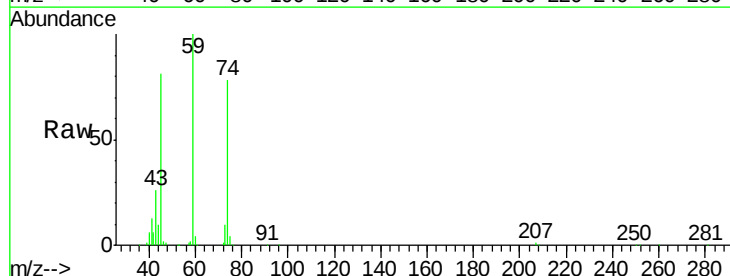
Tgt Ion: 101 Resp: 515602
Ion Ratio Lower Upper
101 100
103 65.0 52.5 78.7

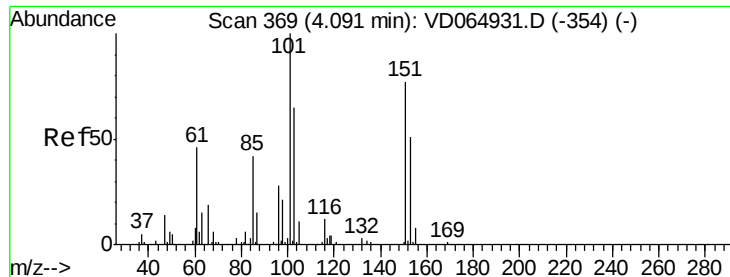


#8

Diethyl Ether
Concen: 48.86 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion: 74 Resp: 112389
Ion Ratio Lower Upper
74 100
45 99.2 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.48 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

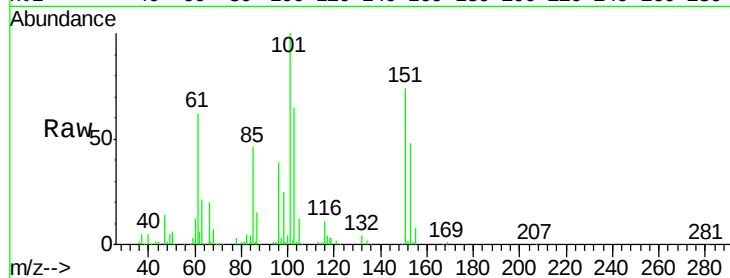
Tgt Ion:101 Resp: 263015

Ion Ratio Lower Upper

101 100

85 44.5 35.0 52.4

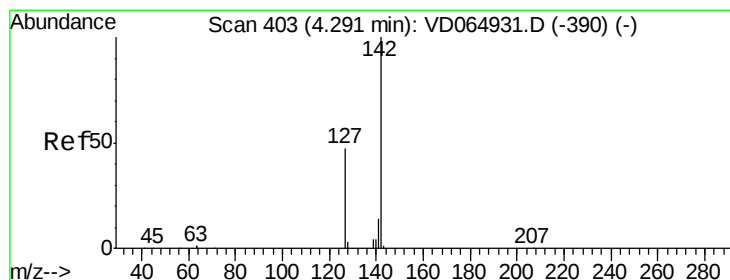
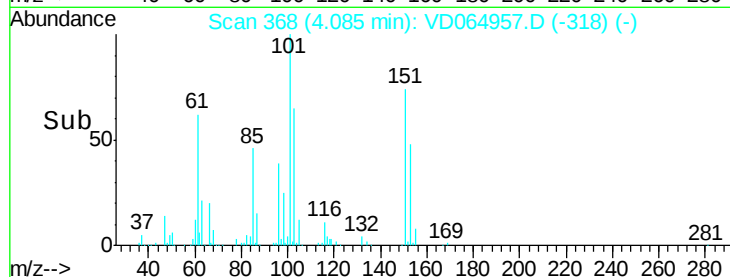
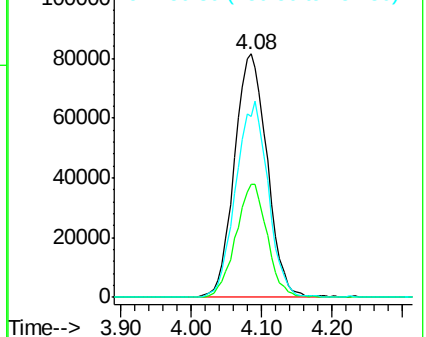
151 79.6 64.6 96.8



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: 55.47 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

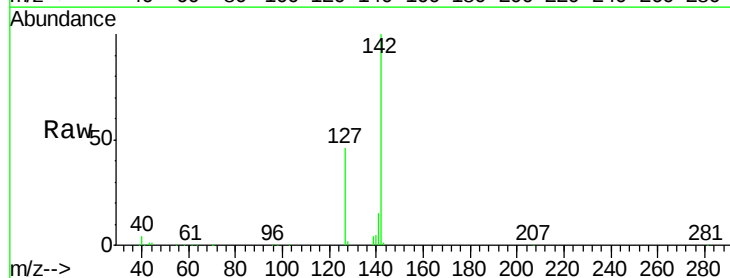
Tgt Ion:142 Resp: 279156

Ion Ratio Lower Upper

142 100

127 45.0 36.2 54.2

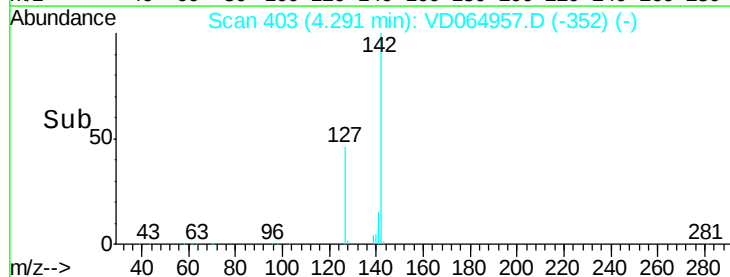
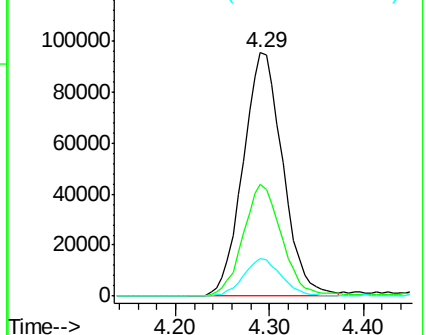
141 14.7 11.6 17.4

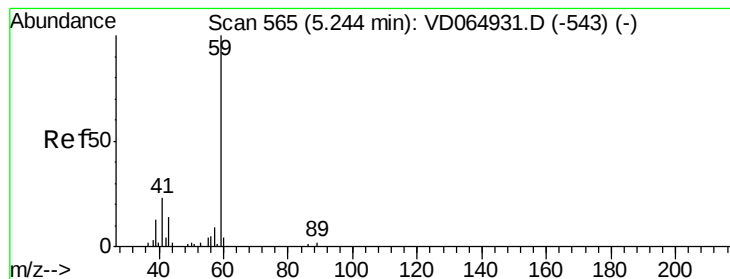


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 224.40 ug/l

RT: 5.25 min Scan# 566

Delta R.T. 0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

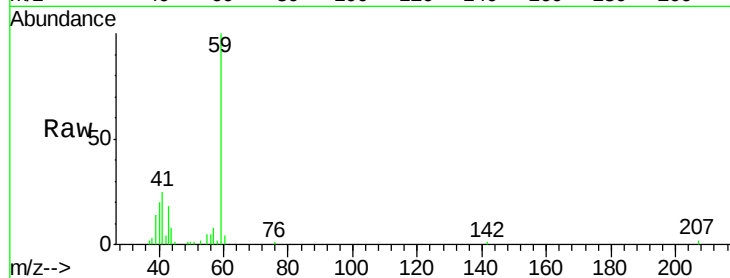
VSTDCCC050

Tgt Ion: 59 Resp: 61885

Ion Ratio Lower Upper

59 100

57 10.8 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

30000

25000

20000

15000

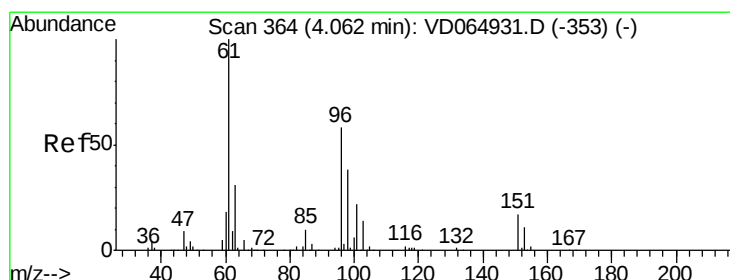
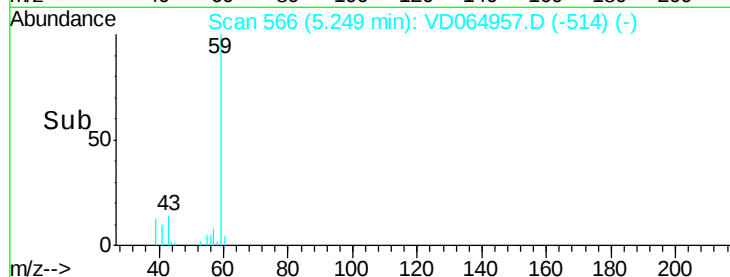
10000

5000

0

5.10 5.20 5.30 5.40

Time-->



#12

1,1-Dichloroethene

Concen: 54.99 ug/l

RT: 4.06 min Scan# 363

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

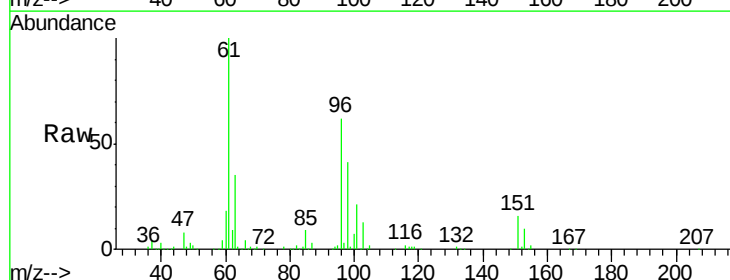
Tgt Ion: 96 Resp: 249059

Ion Ratio Lower Upper

96 100

61 160.9 137.0 205.4

98 65.9 52.1 78.1



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

200000

150000

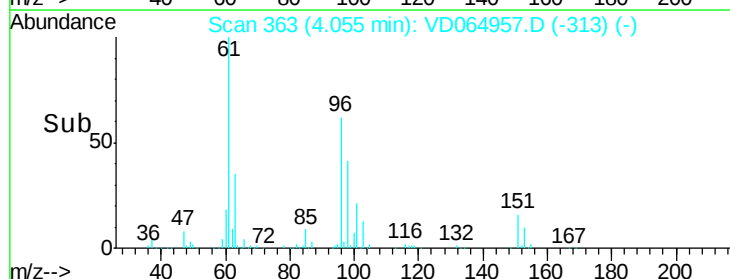
100000

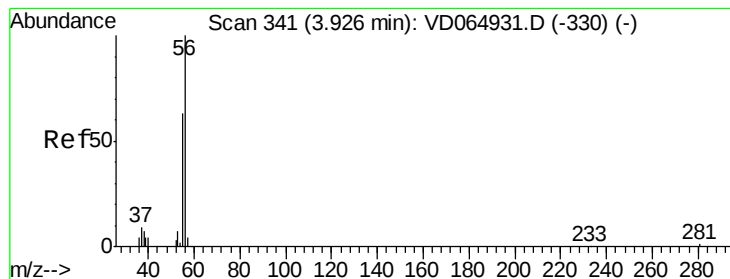
50000

0

4.00 4.10

Time-->





#13

Acrolein

Concen: 297.33 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

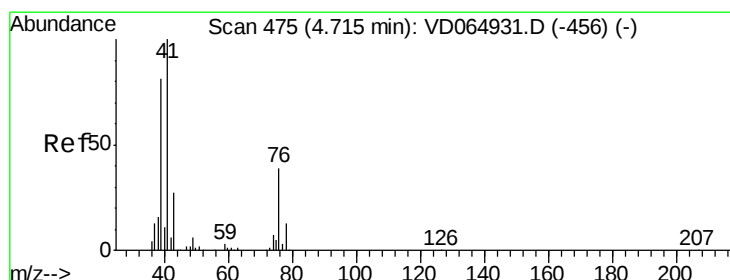
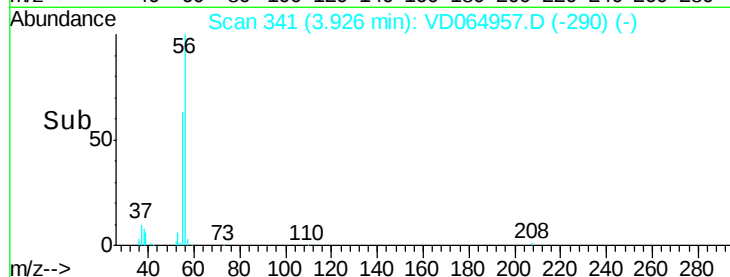
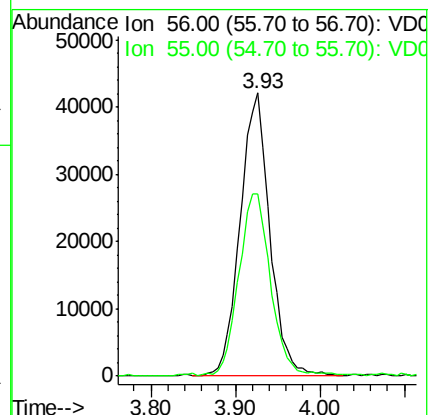
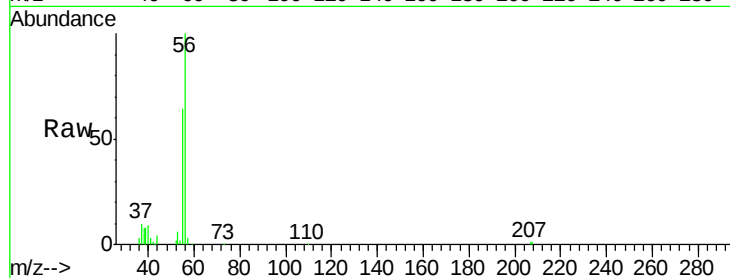
VSTDCCC050

Tgt Ion: 56 Resp: 102795

Ion Ratio Lower Upper

56 100

55 69.7 59.7 89.5



#14

Allyl chloride

Concen: 55.56 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

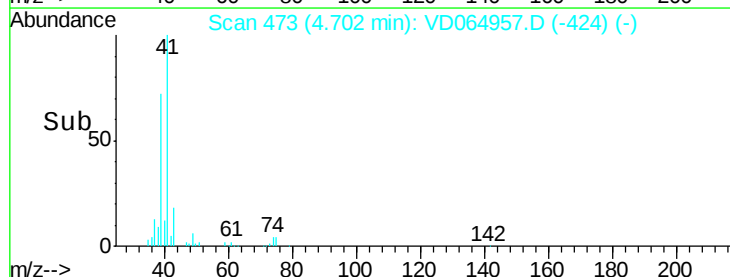
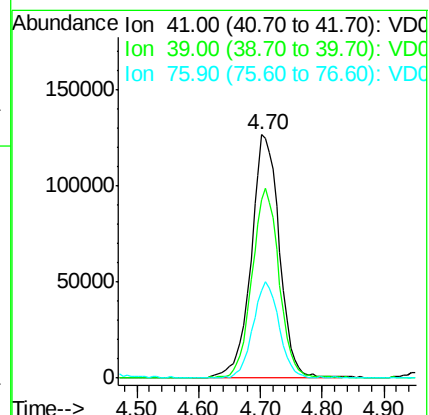
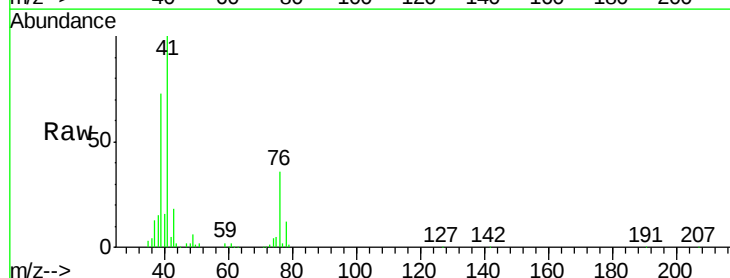
Tgt Ion: 41 Resp: 401329

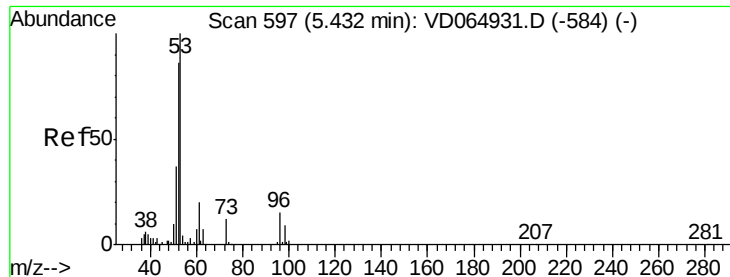
Ion Ratio Lower Upper

41 100

39 74.8 62.0 93.0

76 36.2 29.3 43.9





#15

Acrylonitrile

Concen: 246.11 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

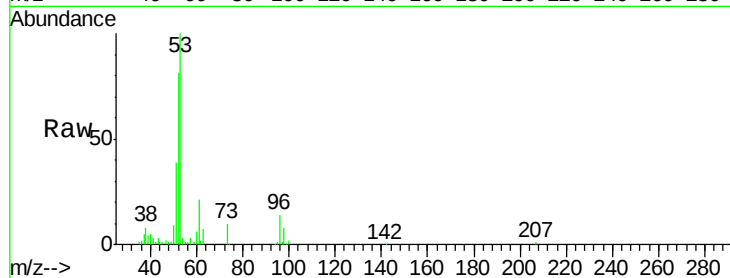
Tgt Ion: 53 Resp: 245159

Ion Ratio Lower Upper

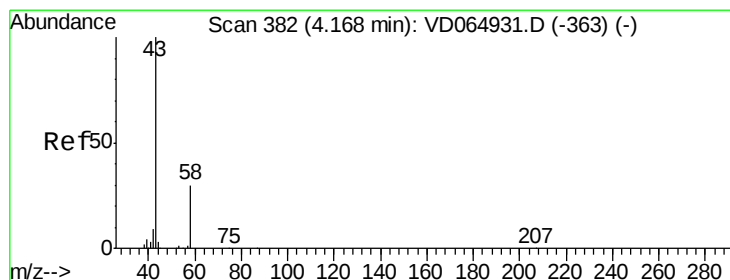
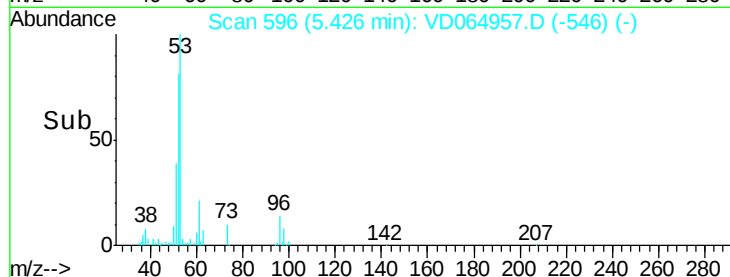
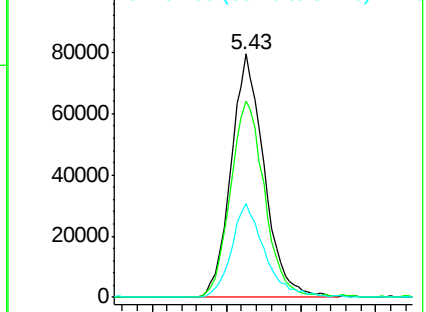
53 100

52 83.0 66.7 100.1

51 38.5 31.1 46.7



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: 286.90 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064957.D

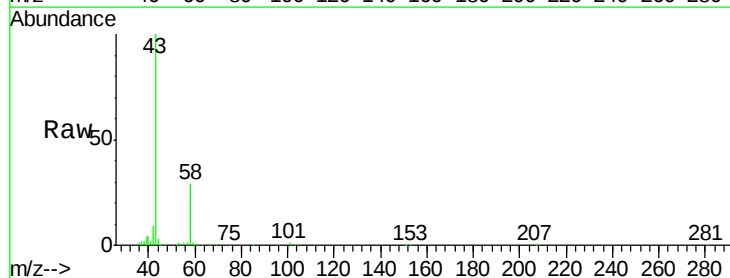
Acq: 27 Jan 2020 10:28

Tgt Ion: 43 Resp: 331350

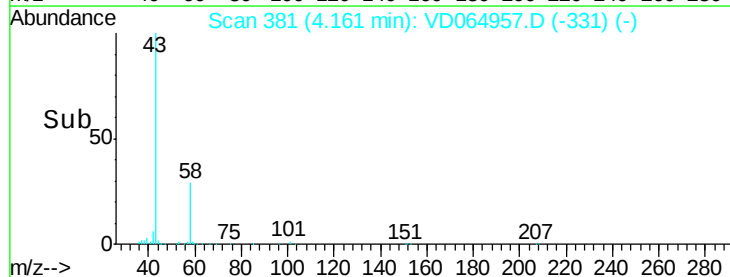
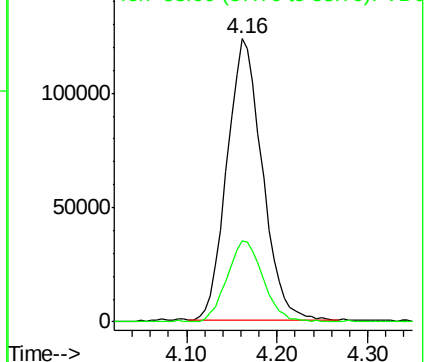
Ion Ratio Lower Upper

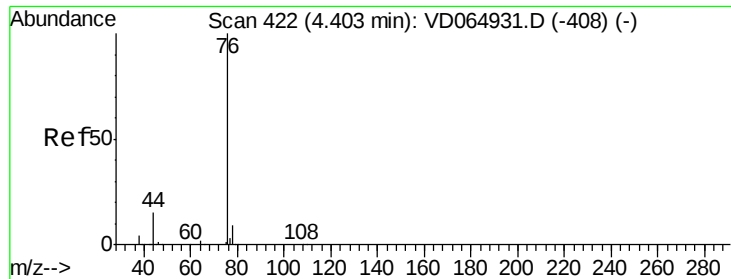
43 100

58 28.7 23.8 35.8



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

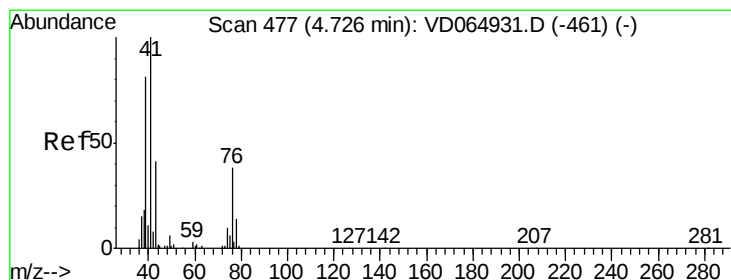
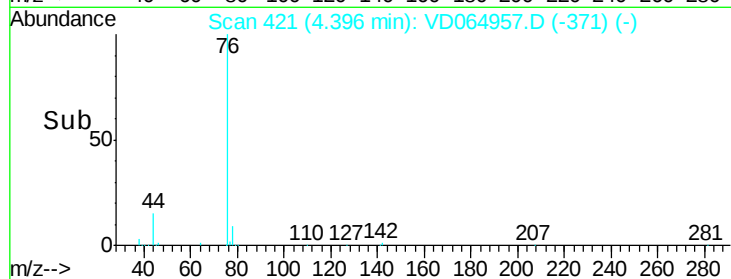
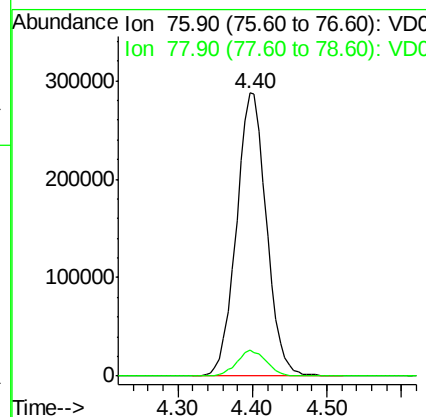
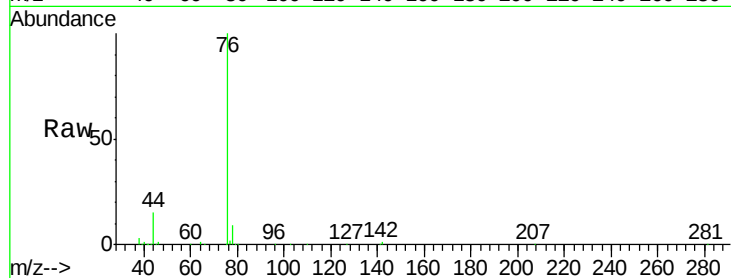




#17
Carbon Disulfide
Concen: 53.97 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

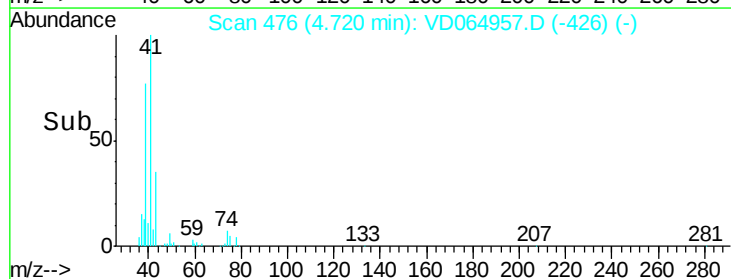
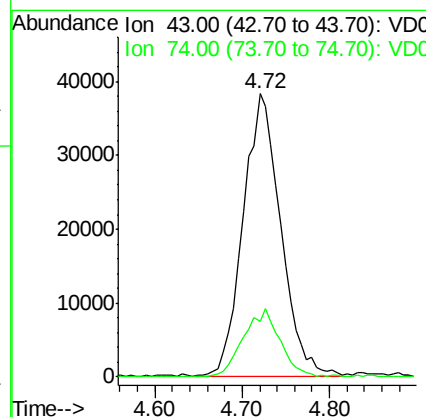
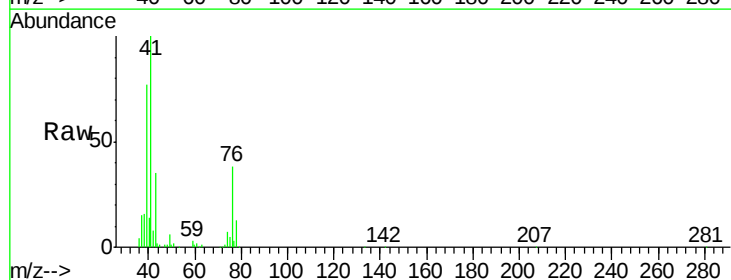
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

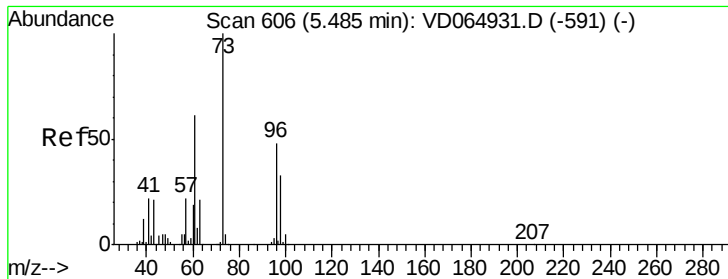
Tgt Ion: 76 Resp: 804462
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 47.61 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion: 43 Resp: 111275
Ion Ratio Lower Upper
43 100
74 23.4 19.1 28.7

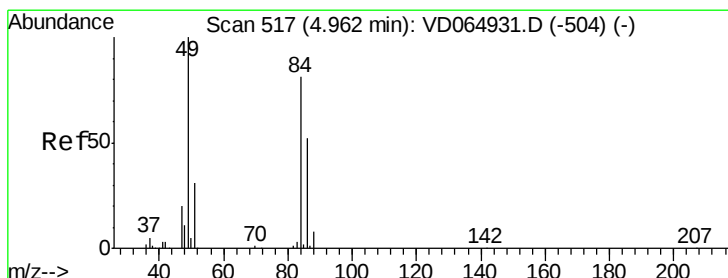
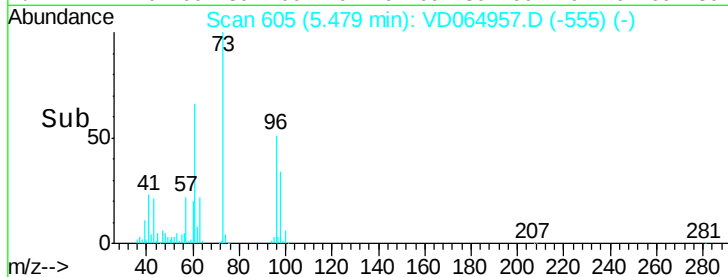
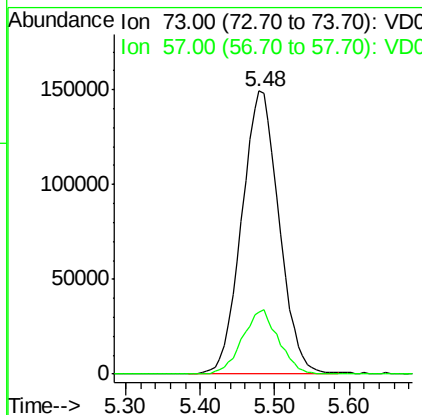
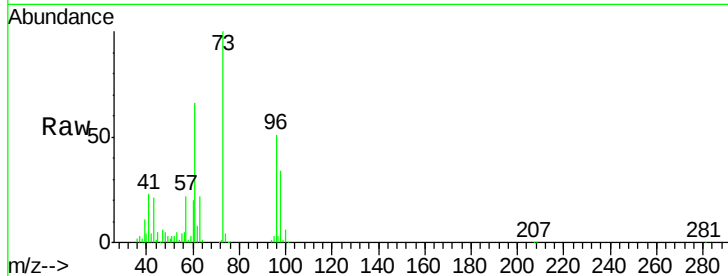




#19
Methyl tert-butyl Ether
Concen: 51.27 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

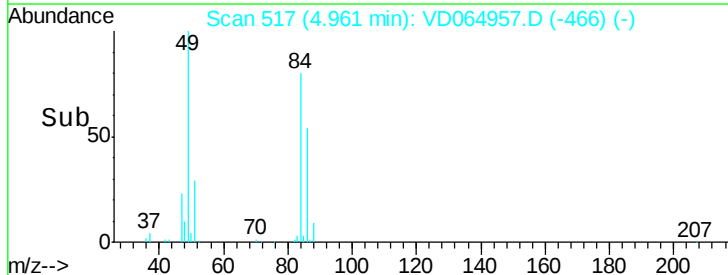
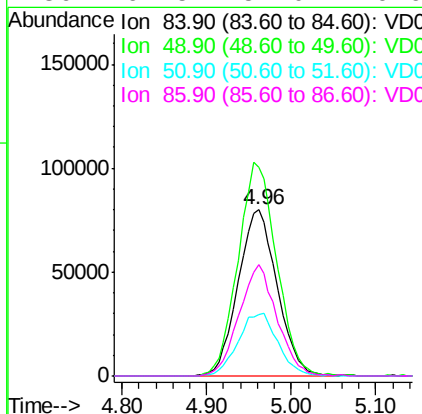
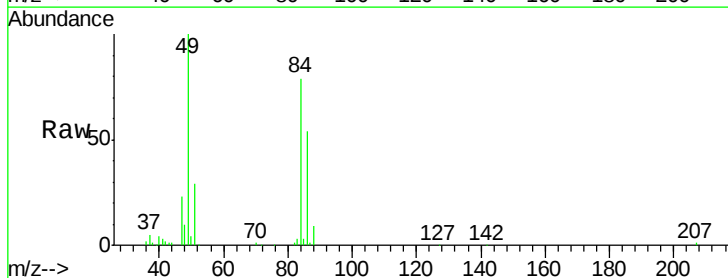
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

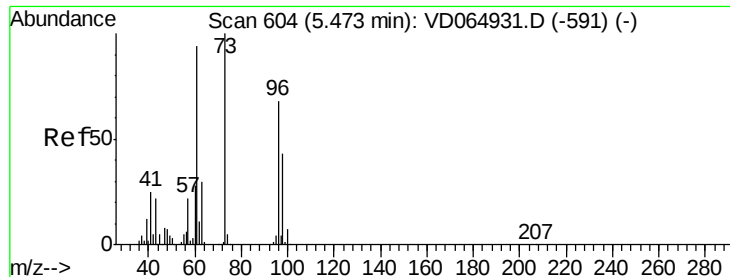
Tgt Ion: 73 Resp: 518774
Ion Ratio Lower Upper
73 100
57 22.0 17.9 26.9



#20
Methylene Chloride
Concen: 53.26 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion: 84 Resp: 256460
Ion Ratio Lower Upper
84 100
49 126.1 98.4 147.6
51 37.0 30.8 46.2
86 67.5 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 53.32 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

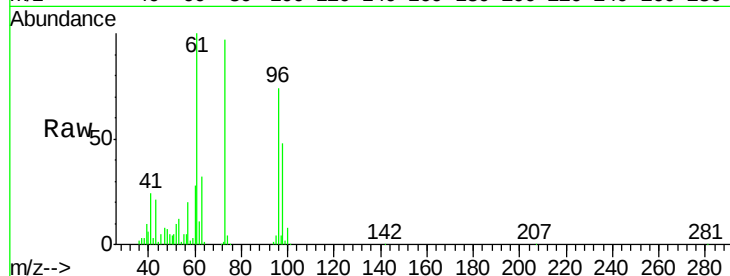
Tgt Ion: 96 Resp: 278217

Ion Ratio Lower Upper

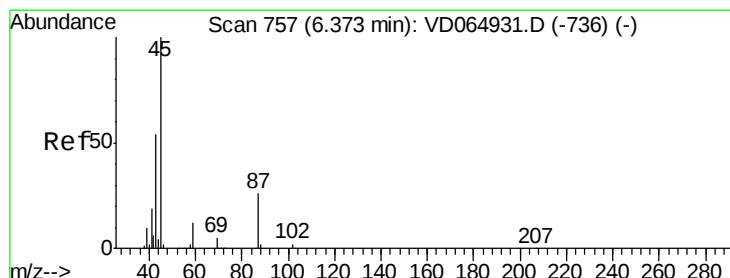
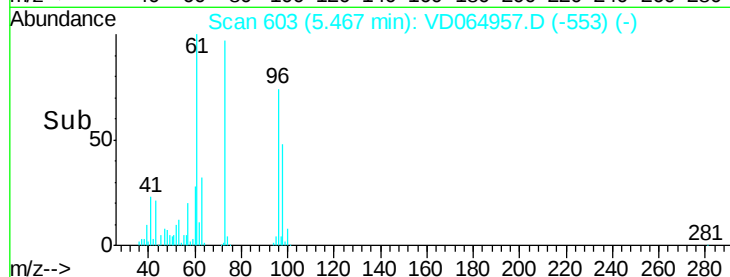
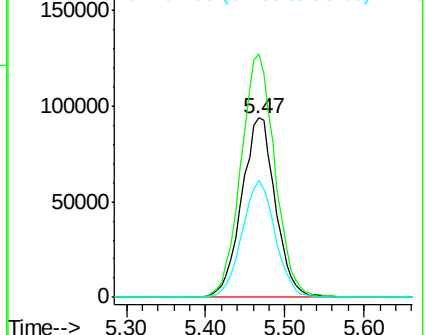
96 100

61 135.7 110.4 165.6

98 65.1 50.5 75.7



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: 53.52 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Tgt Ion: 45 Resp: 770470

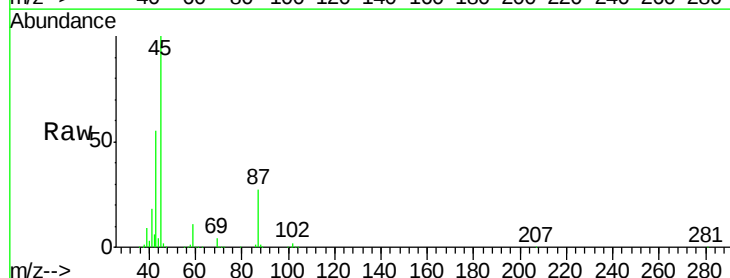
Ion Ratio Lower Upper

45 100

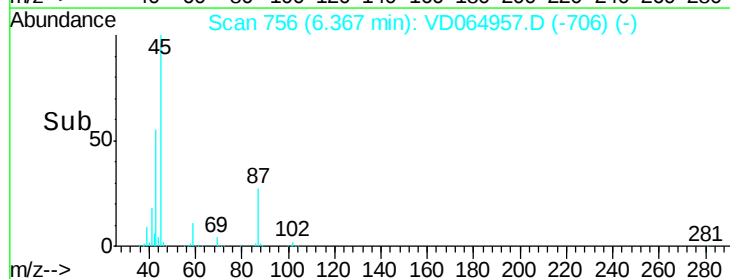
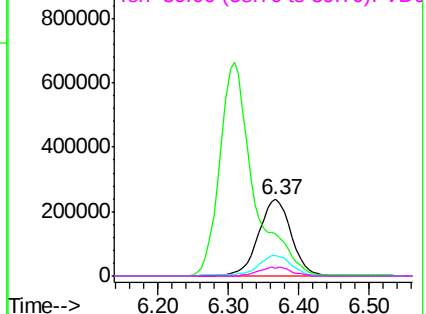
43 54.9 43.1 64.7

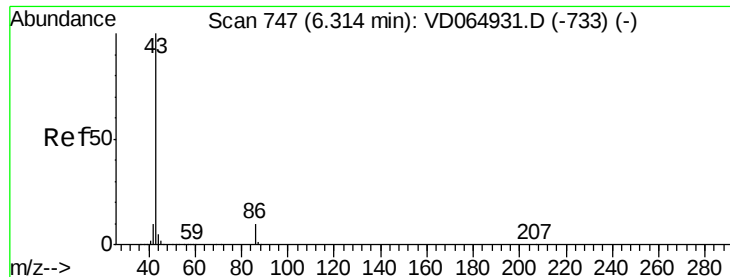
87 26.9 21.4 32.2

59 10.4 9.5 14.3



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





#23

Vinyl Acetate

Concen: 262.50 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

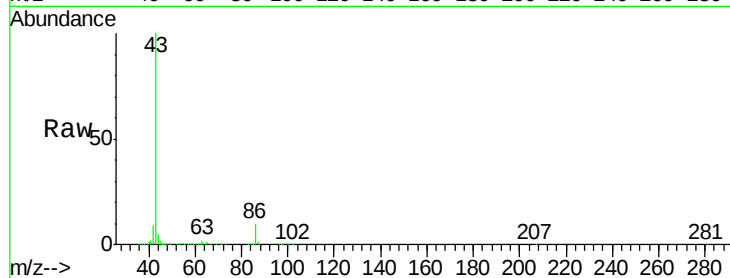
VSTDCCC050

Tgt Ion: 43 Resp: 2212453

Ion Ratio Lower Upper

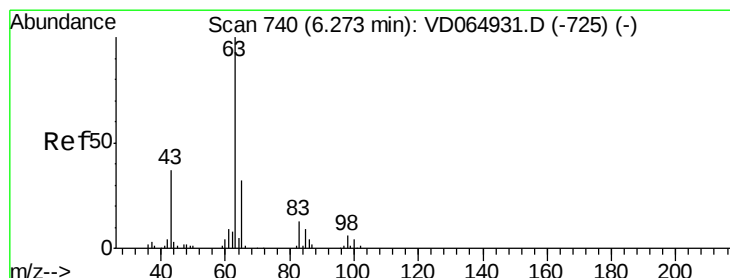
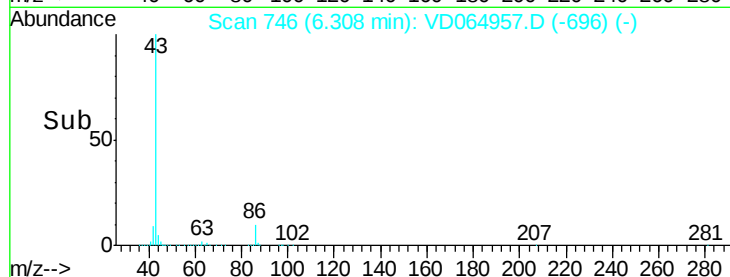
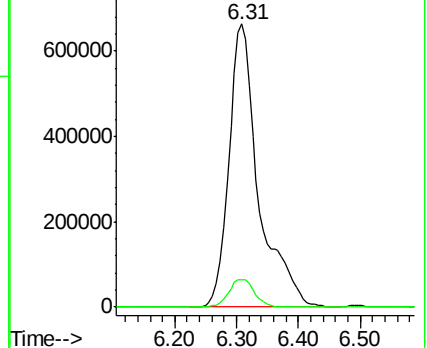
43 100

86 9.8 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.94 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

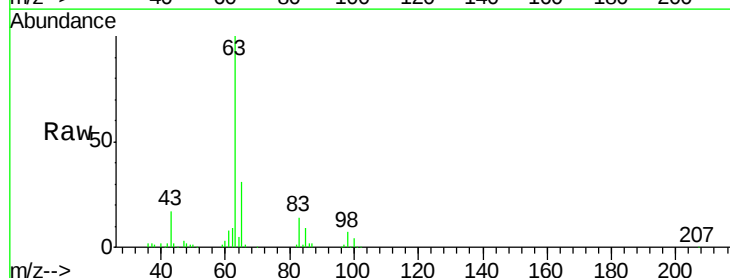
Tgt Ion: 63 Resp: 467929

Ion Ratio Lower Upper

63 100

98 7.1 3.1 9.3

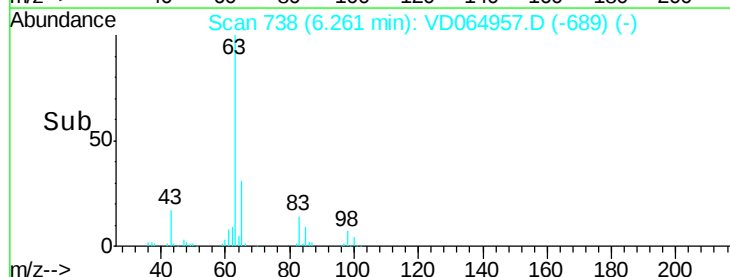
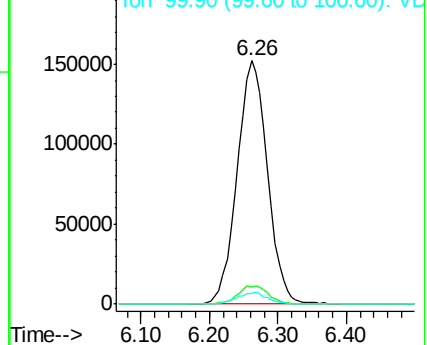
100 4.3 2.3 6.8

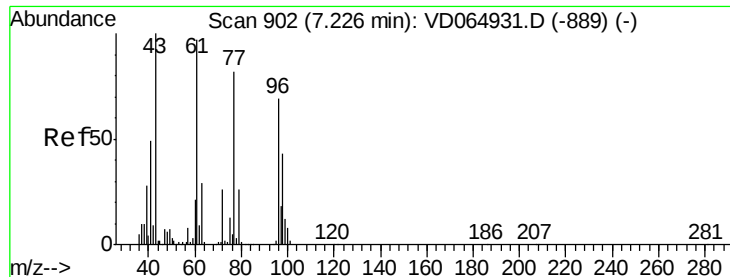


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 265.02 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

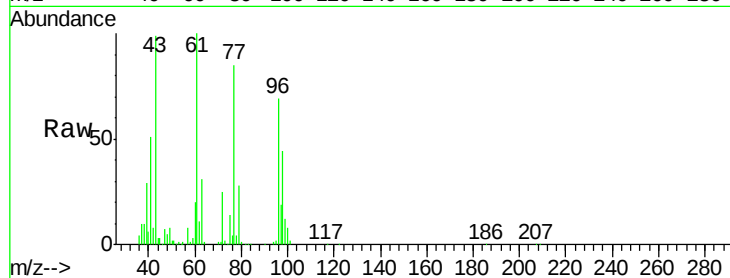
VSTDCCC050

Tgt Ion: 43 Resp: 357322

Ion Ratio Lower Upper

43 100

72 25.7 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.22

150000

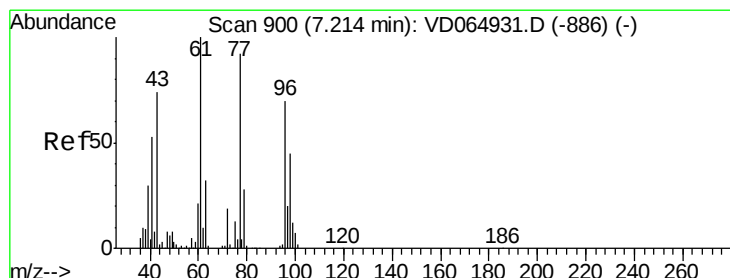
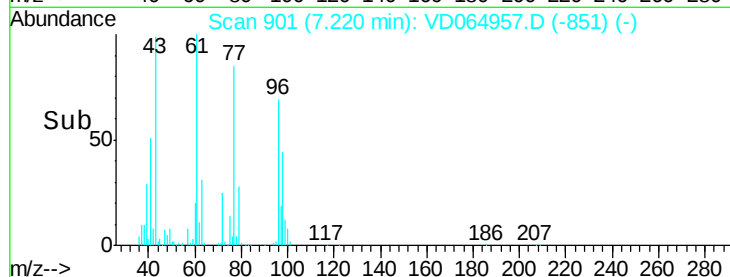
100000

50000

0

7.15 7.20 7.25

Time-->



#26

2,2-Dichloropropane

Concen: 55.45 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064957.D

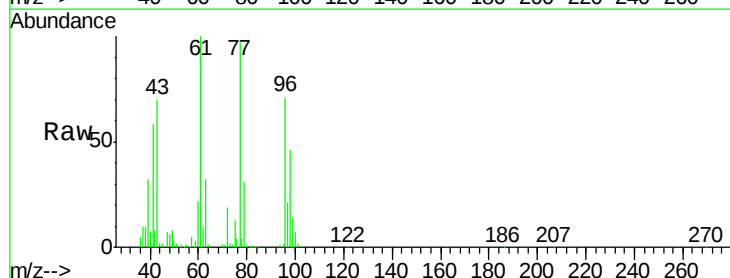
Acq: 27 Jan 2020 10:28

Tgt Ion: 77 Resp: 444508

Ion Ratio Lower Upper

77 100

97 22.2 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

150000

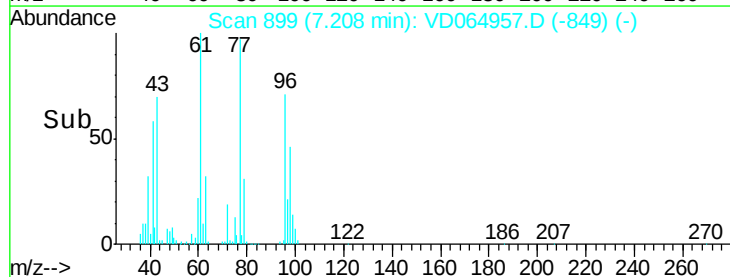
100000

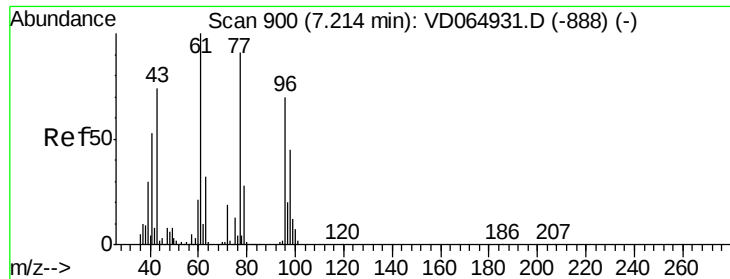
50000

0

7.10 7.20 7.30

Time-->





#27

cis-1,2-Dichloroethene

Concen: 52.84 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

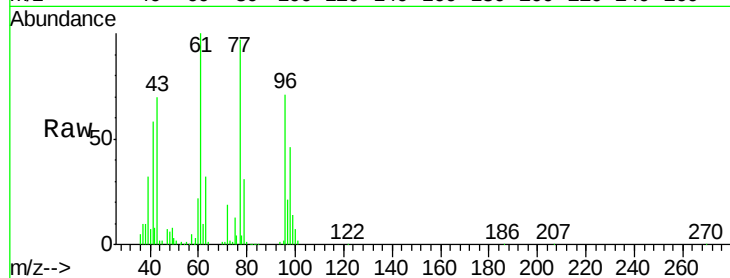
Tgt Ion: 96 Resp: 294294

Ion Ratio Lower Upper

96 100

61 147.8 0.0 292.8

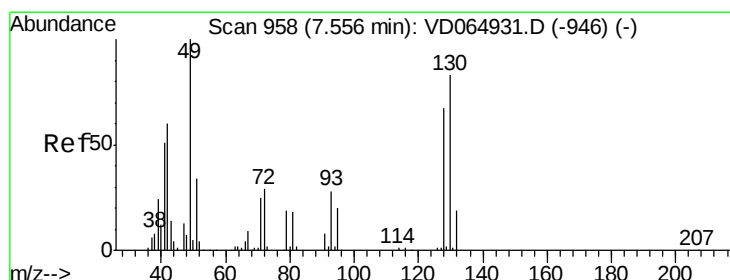
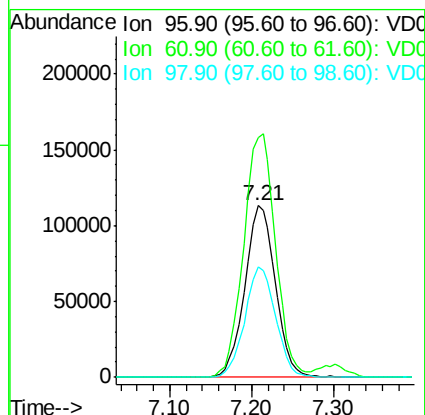
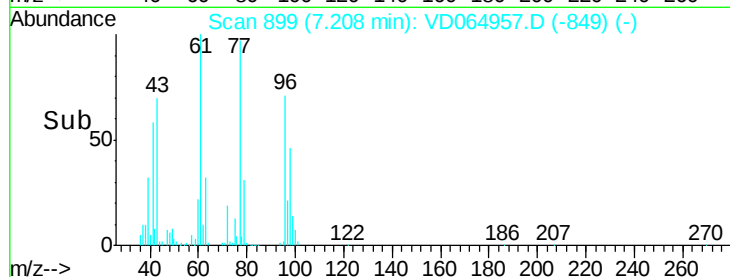
98 64.9 0.0 130.0



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: 43.05 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

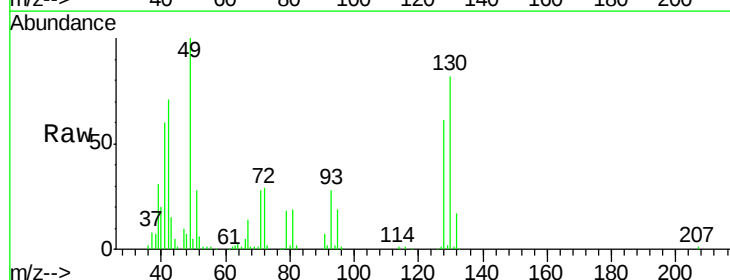
Tgt Ion: 49 Resp: 152178

Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.4

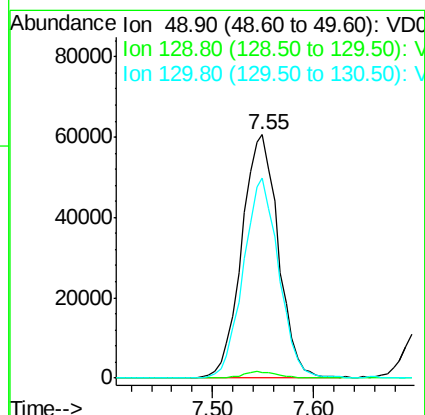
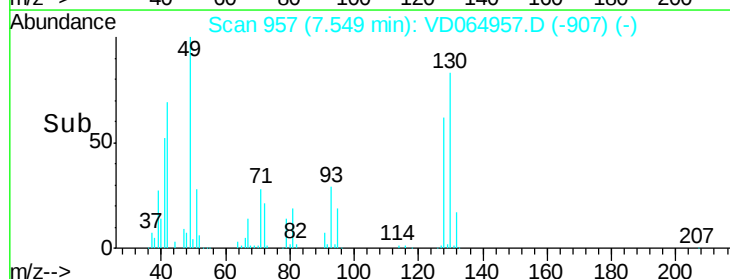
130 79.7 63.8 95.8

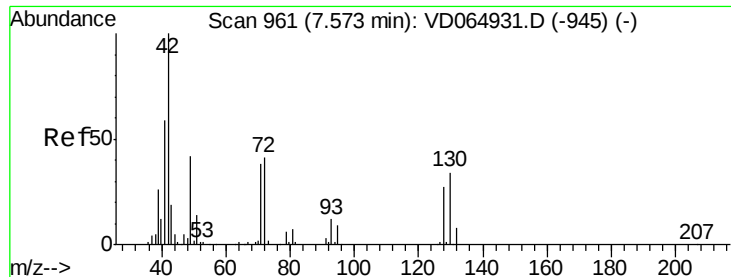


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

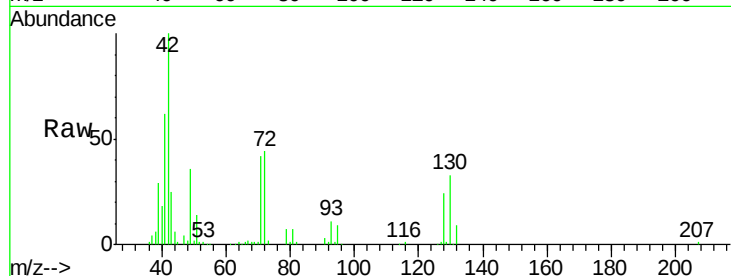




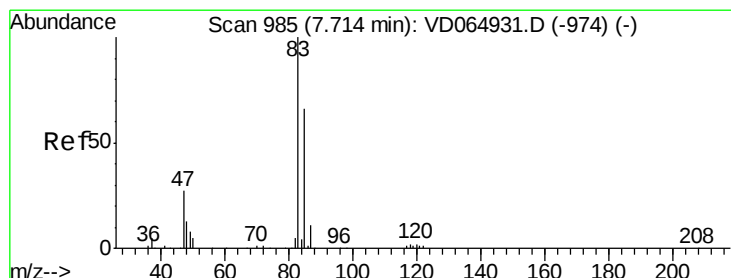
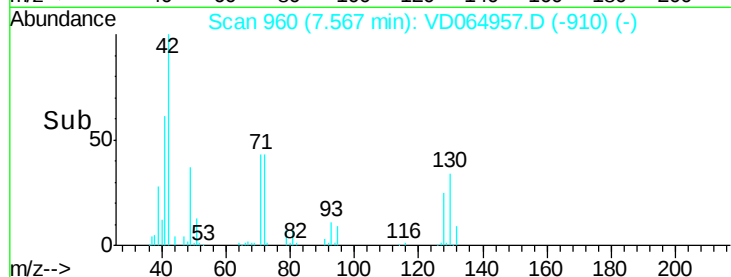
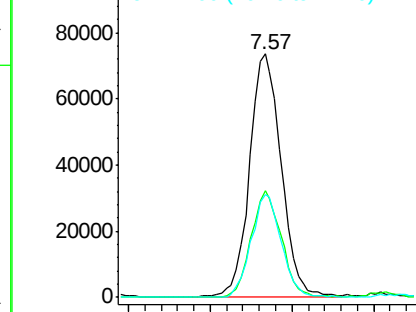
#29
Tetrahydrofuran
Concen: 238.84 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 198692
Ion Ratio Lower Upper
42 100
72 41.9 34.0 51.0
71 39.9 31.5 47.3

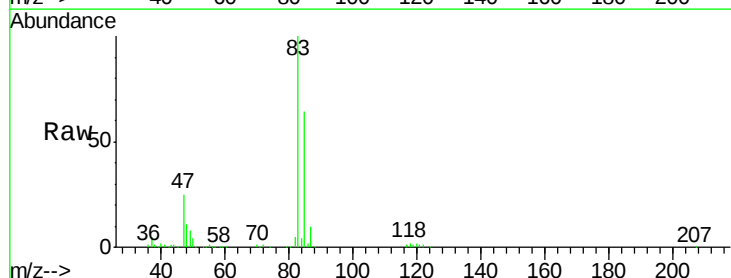


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

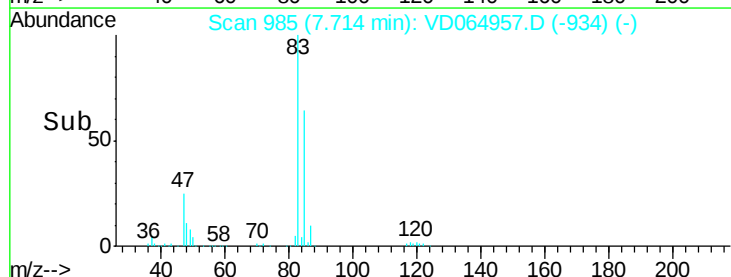
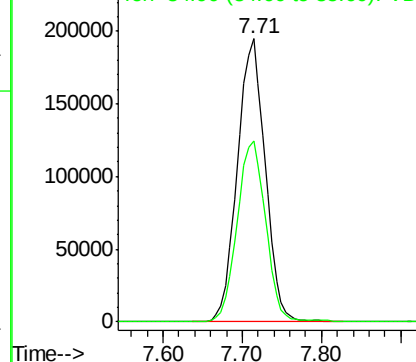


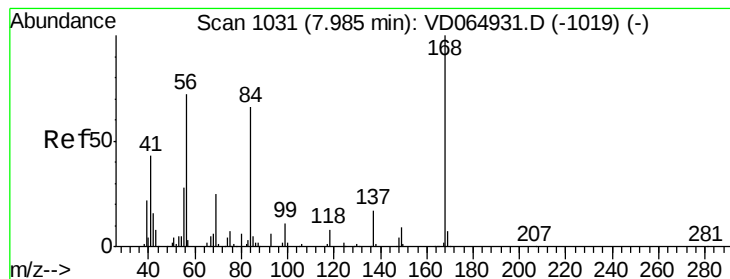
#30
Chloroform
Concen: 52.00 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion: 83 Resp: 475121
Ion Ratio Lower Upper
83 100
85 64.2 52.4 78.6



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





#31

Cyclohexane

Concen: 52.25 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

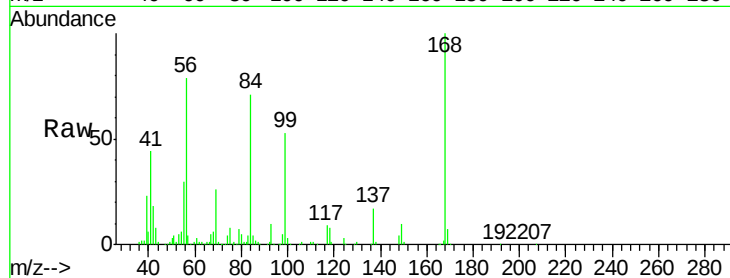
Tgt Ion: 56 Resp: 454333

Ion Ratio Lower Upper

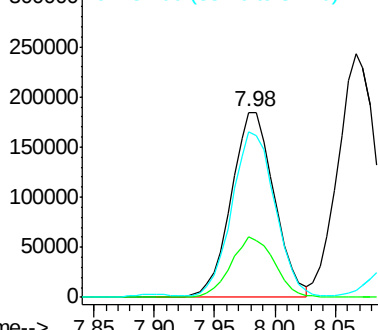
56 100

69 32.8 27.9 41.9

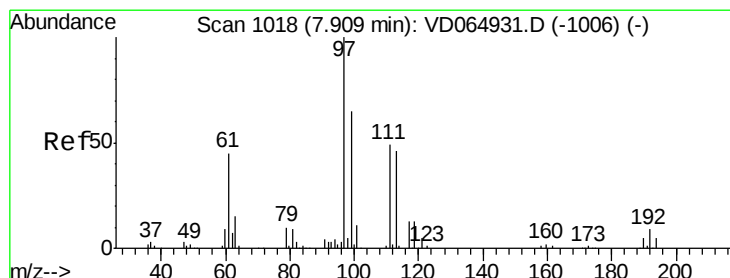
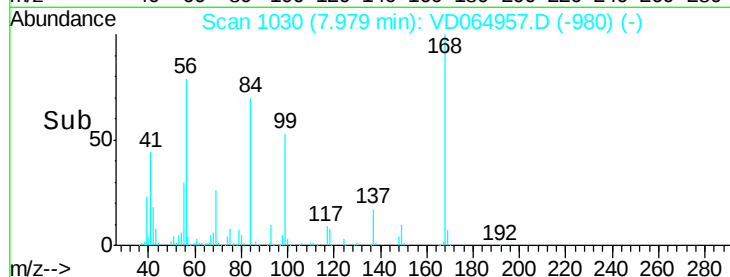
84 88.0 72.8 109.2



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



Time-->



#32

1,1,1-Trichloroethane

Concen: 52.93 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

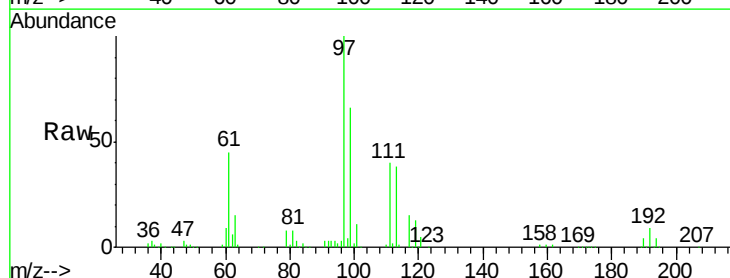
Tgt Ion: 97 Resp: 449897

Ion Ratio Lower Upper

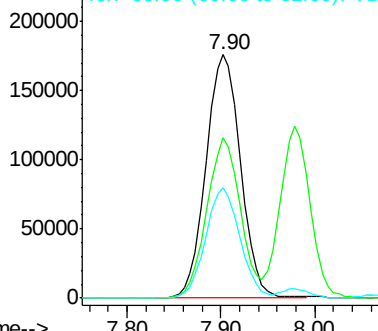
97 100

99 64.2 50.6 76.0

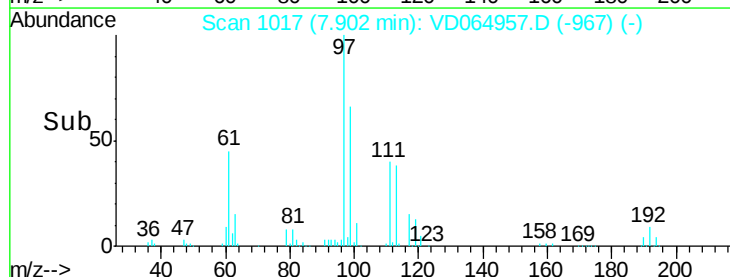
61 44.8 35.7 53.5

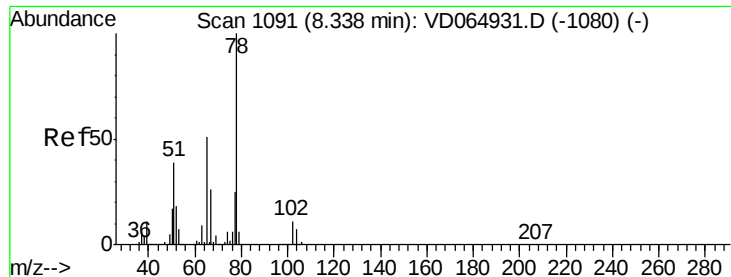


Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC



Time-->

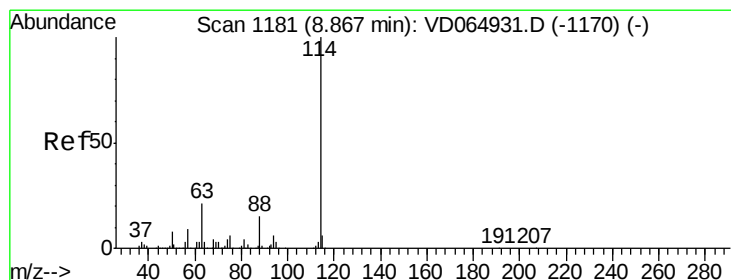
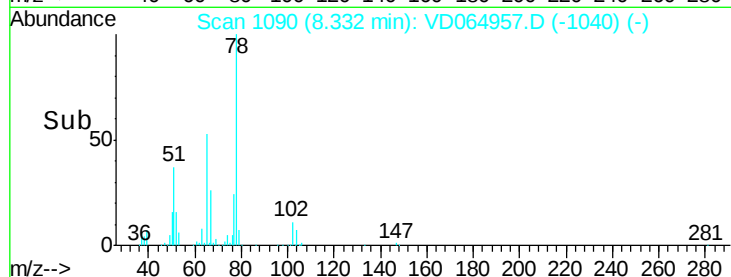
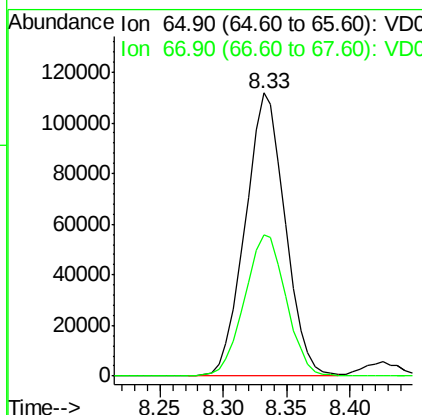
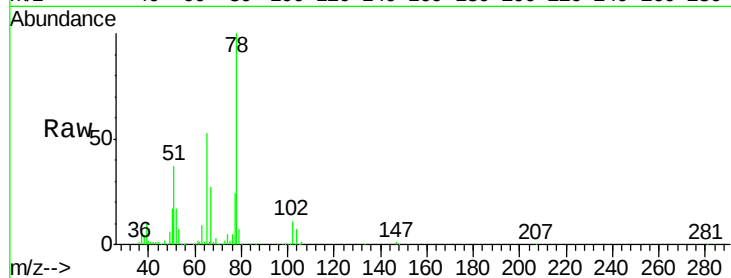




#33
 1,2-Dichloroethane-d4
 Concen: 49.15 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

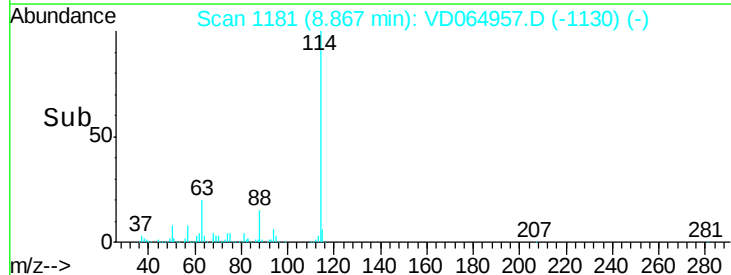
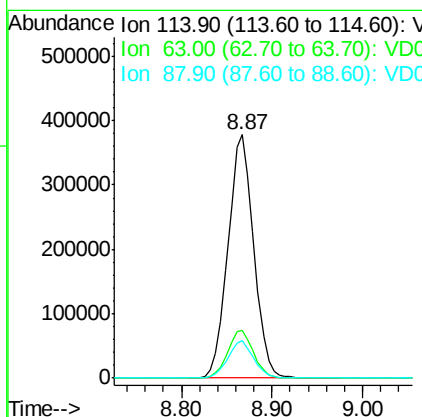
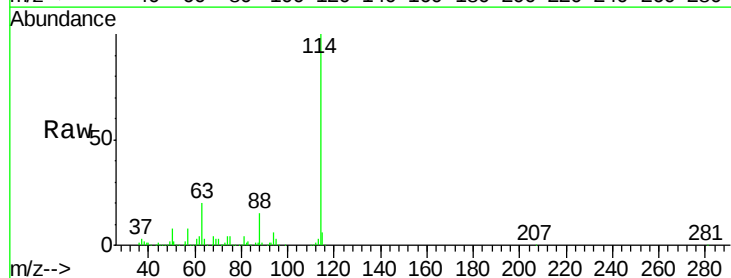
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 245287
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

Tgt Ion: 114 Resp: 747491
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.0
 88 15.4 0.0 29.4

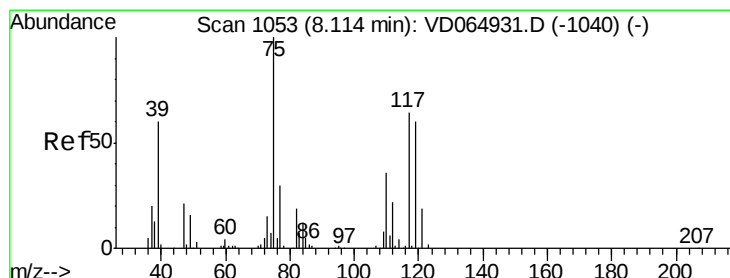
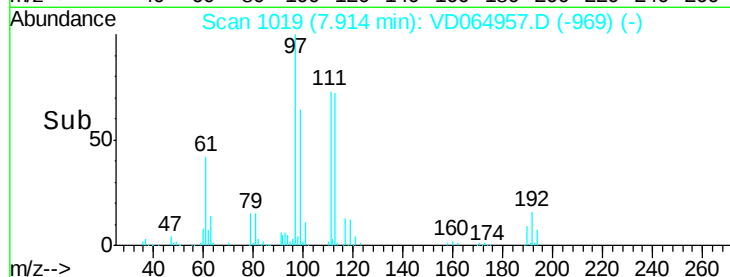
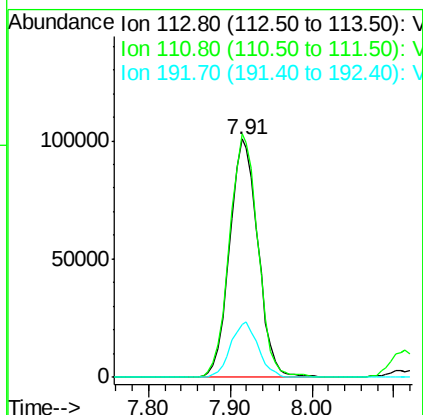
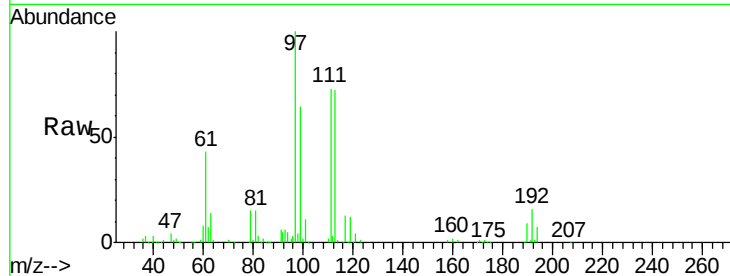




#35
Dibromofluoromethane
Concen: 51.79 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

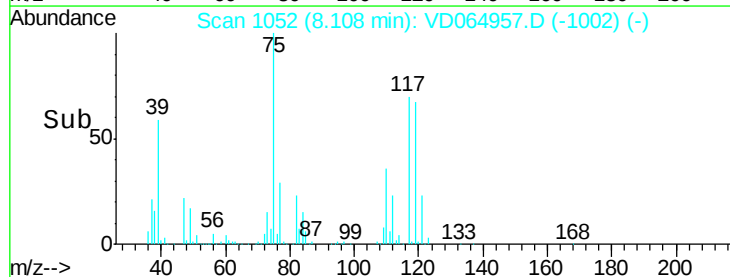
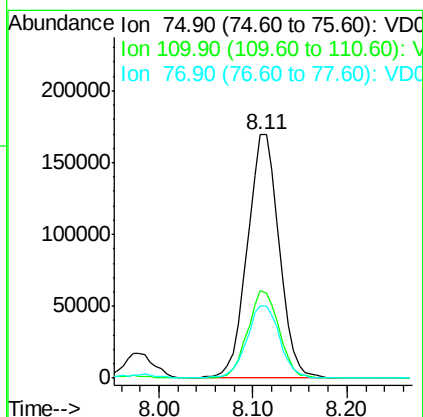
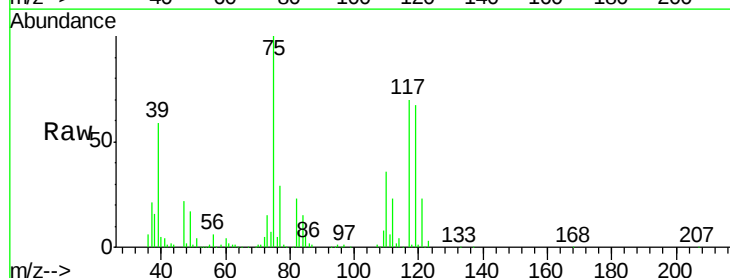
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

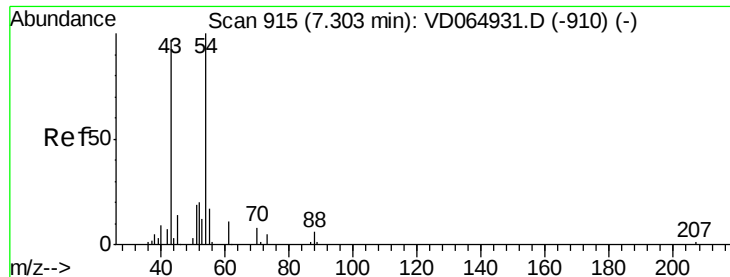
Tgt Ion:113 Resp: 243262
Ion Ratio Lower Upper
113 100
111 102.1 82.4 123.6
192 22.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 54.79 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion: 75 Resp: 394925
Ion Ratio Lower Upper
75 100
110 35.4 17.3 52.0
77 30.8 24.7 37.1

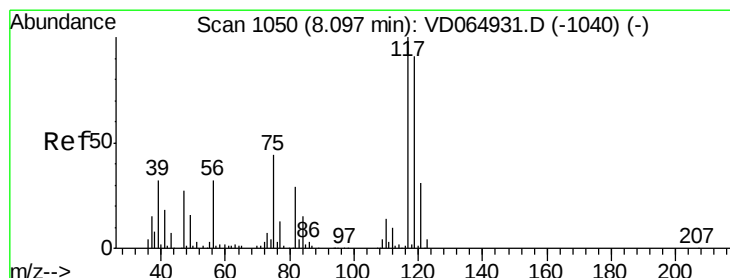
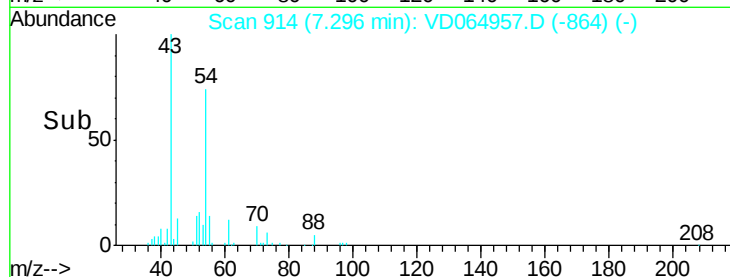
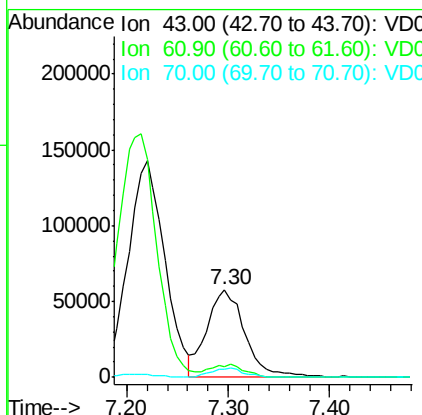
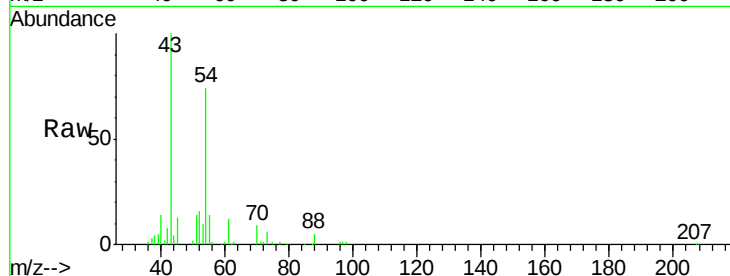




#37
Ethyl Acetate
Concen: 49.70 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

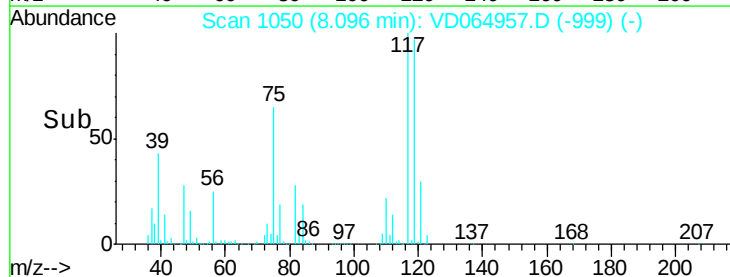
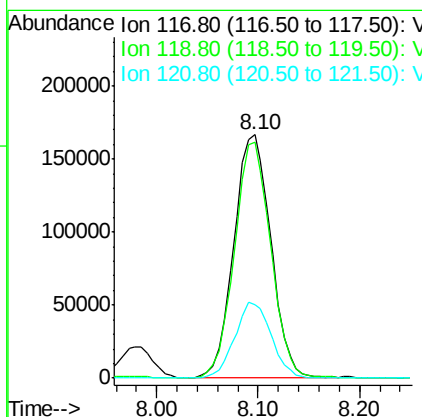
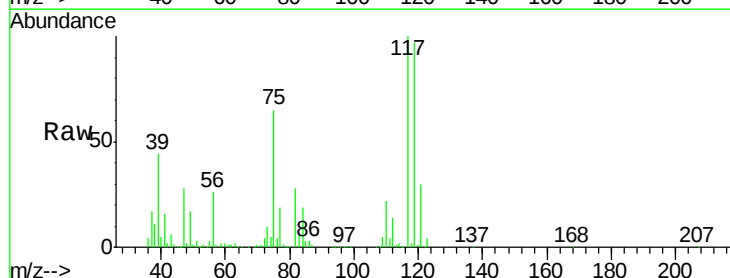
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

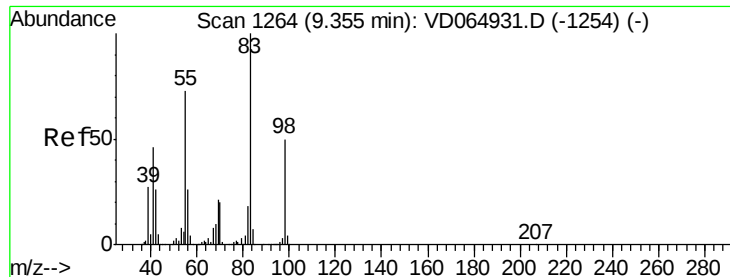
Tgt Ion: 43 Resp: 147977
Ion Ratio Lower Upper
43 100
61 14.6 11.0 16.4
70 9.7 7.5 11.3



#38
Carbon Tetrachloride
Concen: 55.06 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion: 117 Resp: 419491
Ion Ratio Lower Upper
117 100
119 97.0 73.2 109.8
121 30.1 24.4 36.6

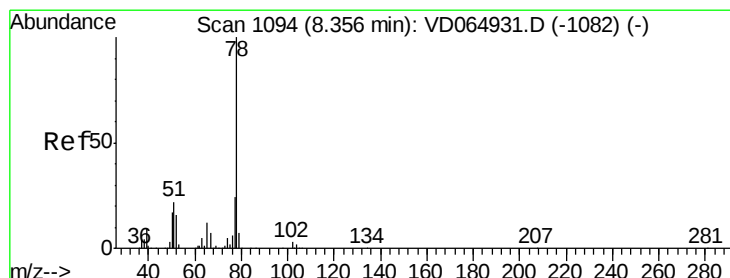
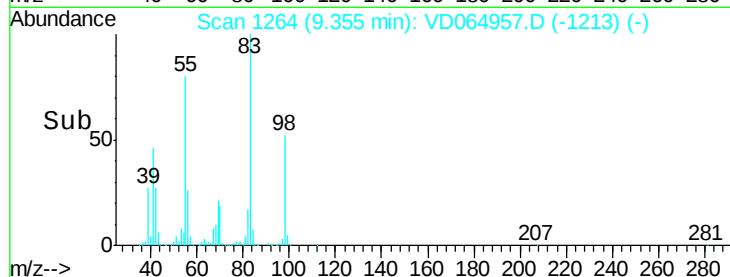
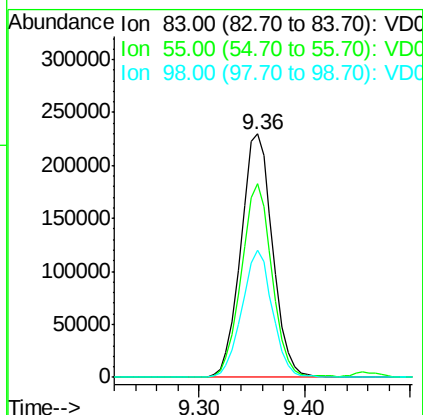
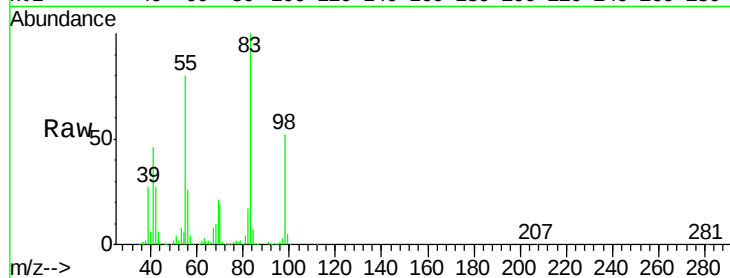




#39
Methylcyclohexane
Concen: 56.84 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

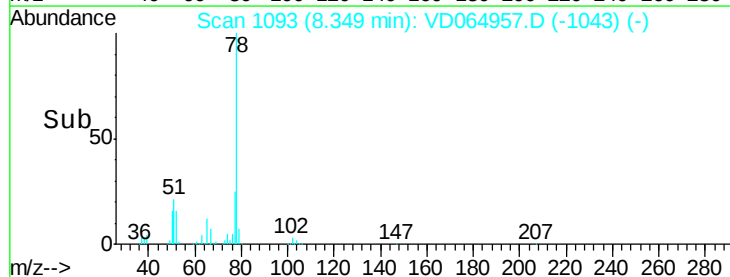
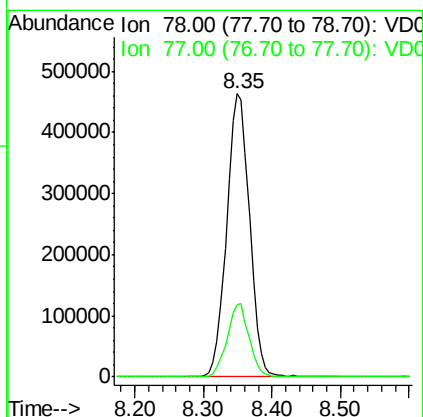
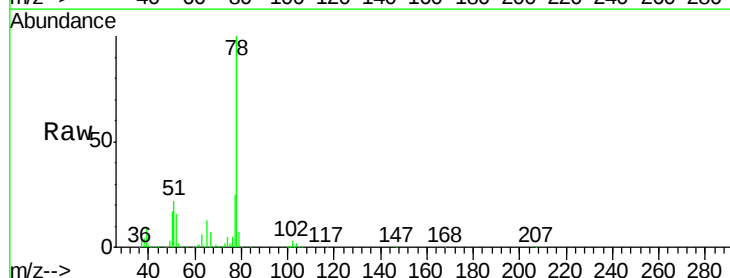
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

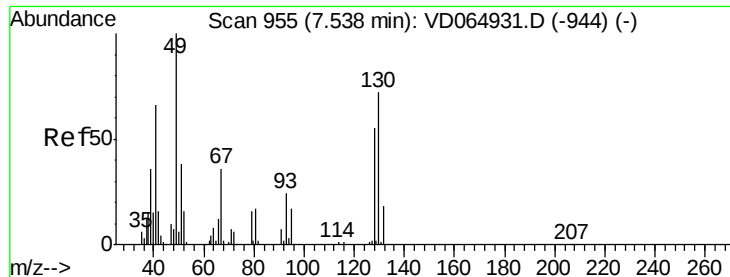
Tgt Ion: 83 Resp: 478982
Ion Ratio Lower Upper
83 100
55 79.6 58.7 88.1
98 52.0 40.2 60.2



#40
Benzene
Concen: 53.88 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion: 78 Resp: 1069521
Ion Ratio Lower Upper
78 100
77 25.3 19.2 28.8

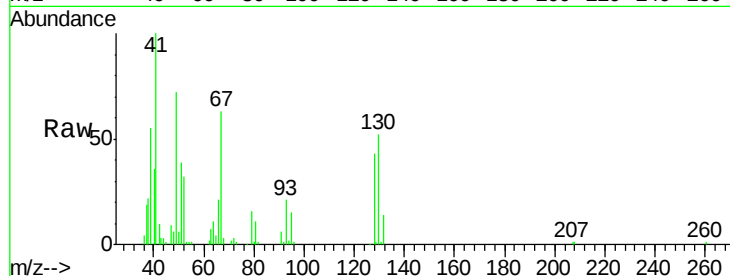




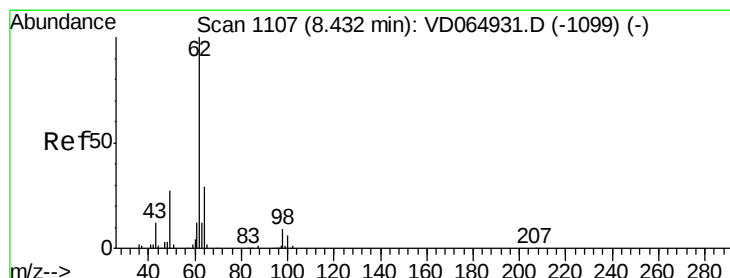
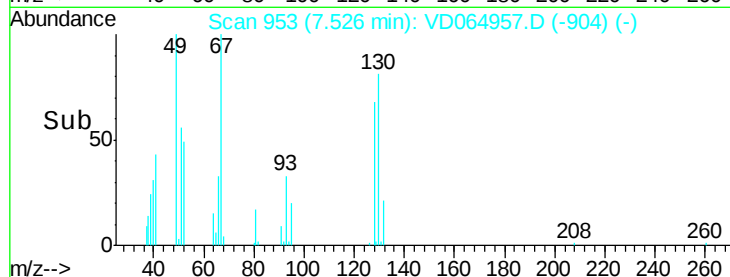
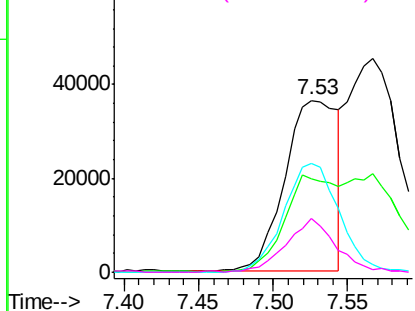
#41
Methacrylonitrile
Concen: 56.16 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 90071
Ion Ratio Lower Upper
41 100
39 55.4 49.3 73.9
67 67.0 51.0 76.6
52 29.5 22.3 33.5

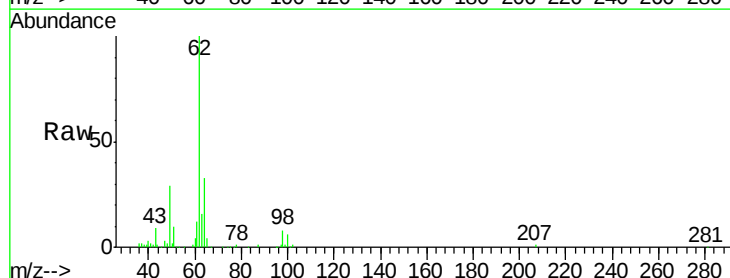


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

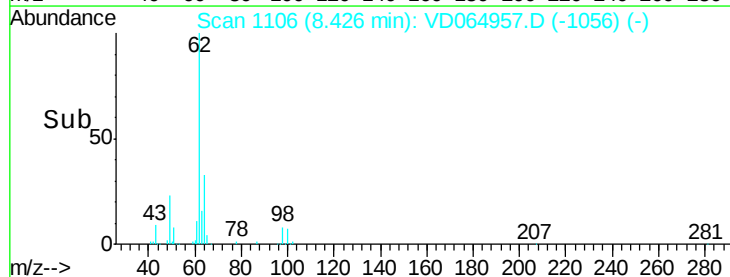
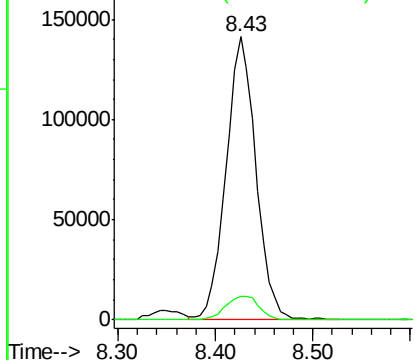


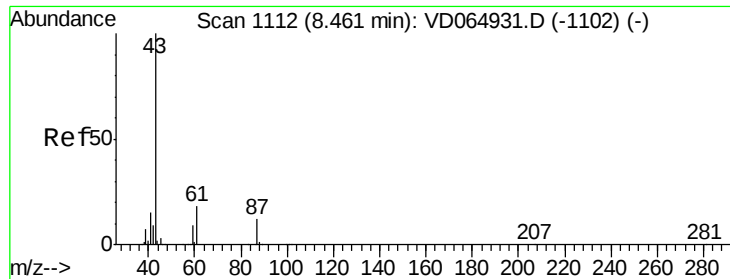
#42
1,2-Dichloroethane
Concen: 50.45 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion: 62 Resp: 298334
Ion Ratio Lower Upper
62 100
98 9.5 0.0 17.8



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

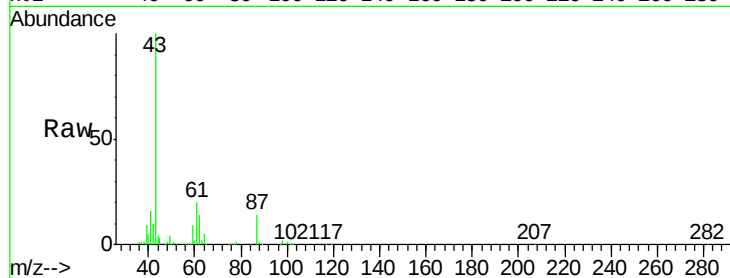




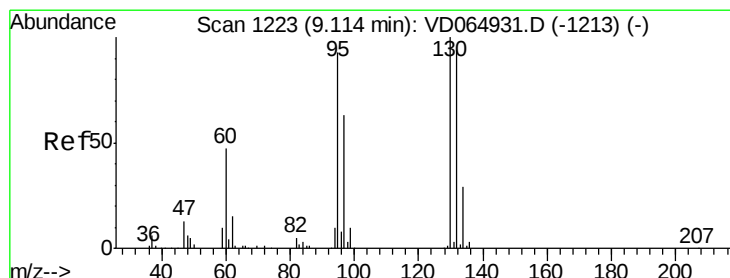
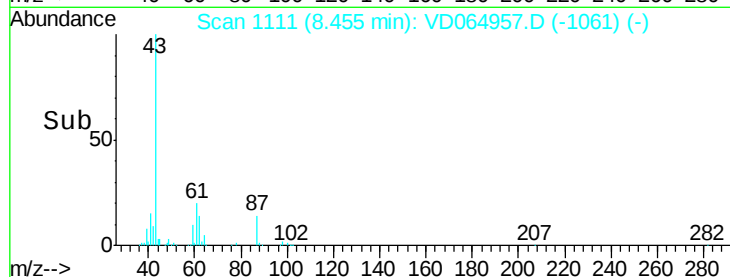
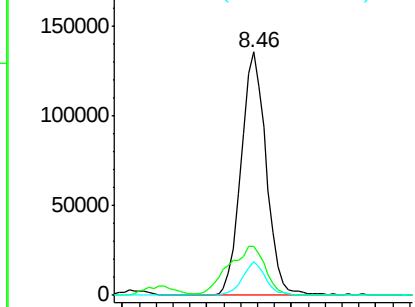
#43
Isopropyl Acetate
Concen: 48.98 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 276994
Ion Ratio Lower Upper
43 100
61 30.4 23.8 35.6
87 12.7 10.3 15.5

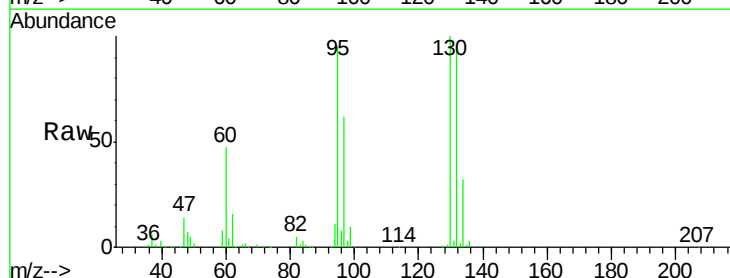


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

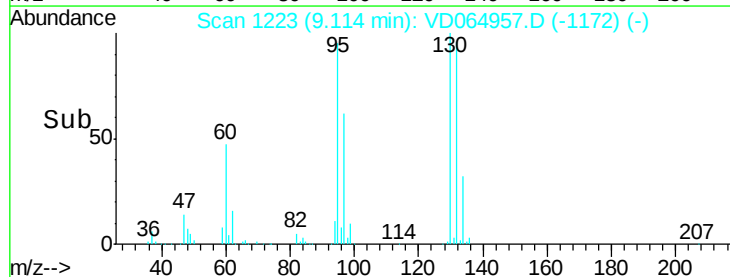
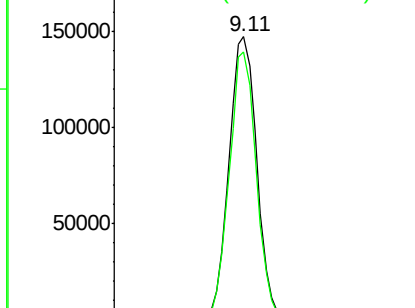


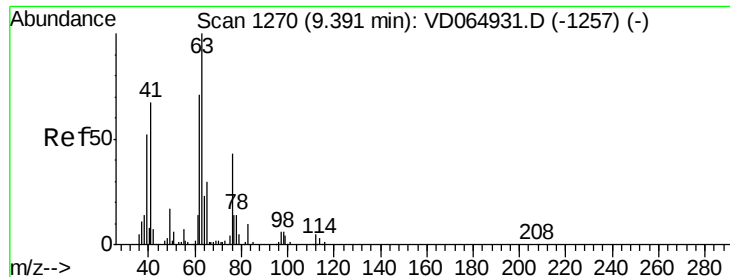
#44
Trichloroethene
Concen: 54.88 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion: 130 Resp: 304889
Ion Ratio Lower Upper
130 100
95 94.6 0.0 185.8



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





#45

1,2-Dichloropropane

Concen: 52.87 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

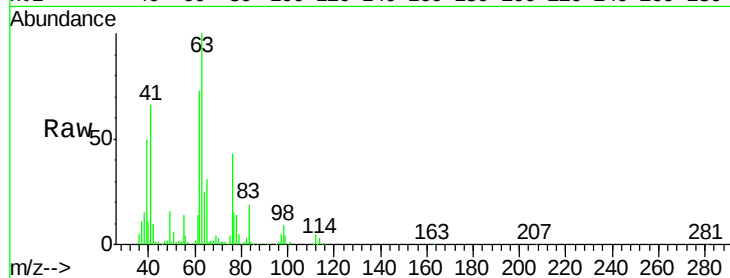
VSTDCCC050

Tgt Ion: 63 Resp: 254450

Ion Ratio Lower Upper

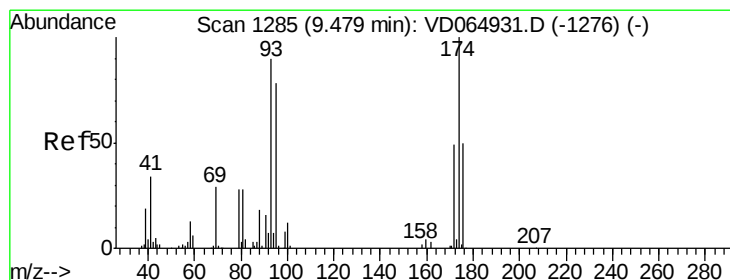
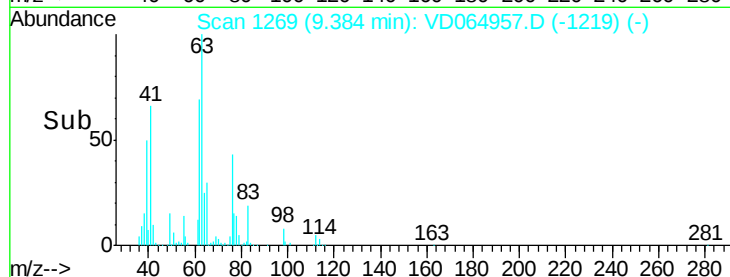
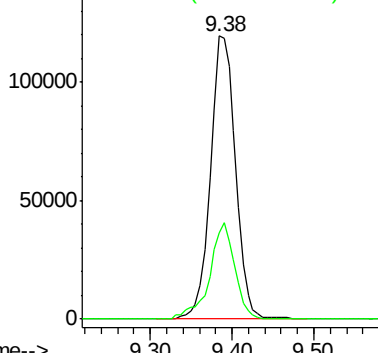
63 100

65 30.6 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 50.46 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

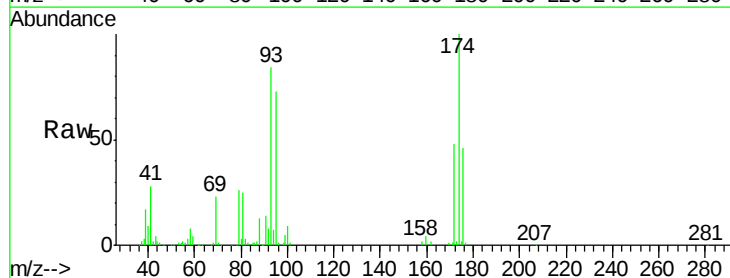
Tgt Ion: 93 Resp: 132577

Ion Ratio Lower Upper

93 100

95 84.6 67.5 101.3

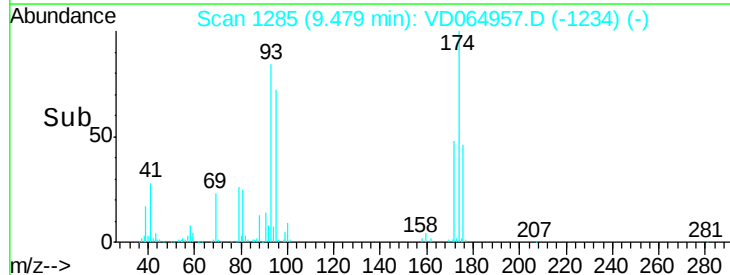
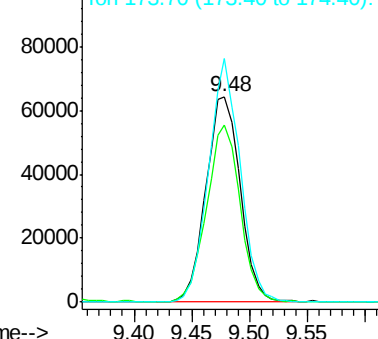
174 109.5 88.4 132.6

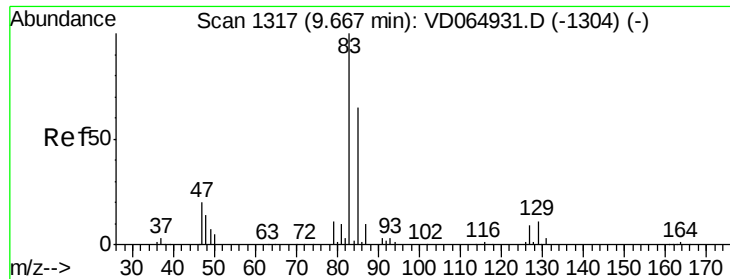


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.81 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

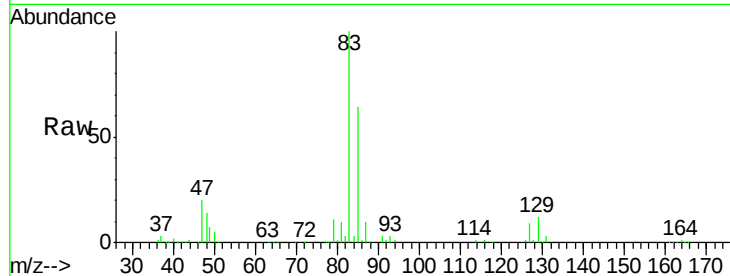
Tgt Ion: 83 Resp: 361024

Ion Ratio Lower Upper

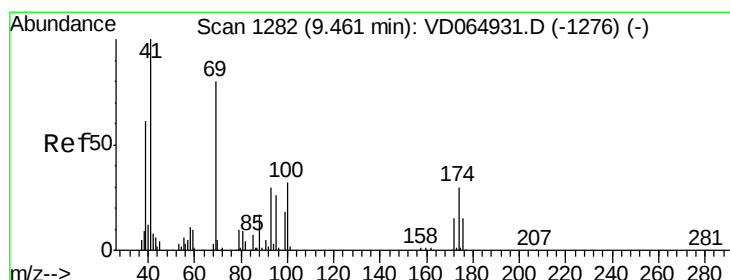
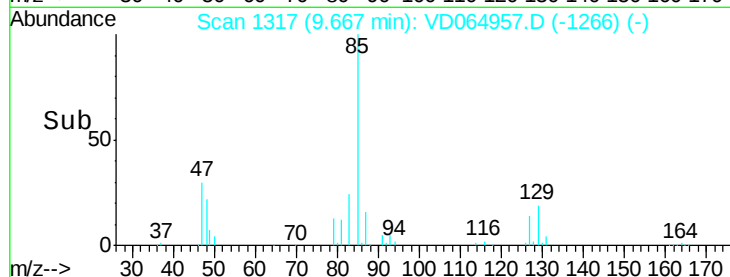
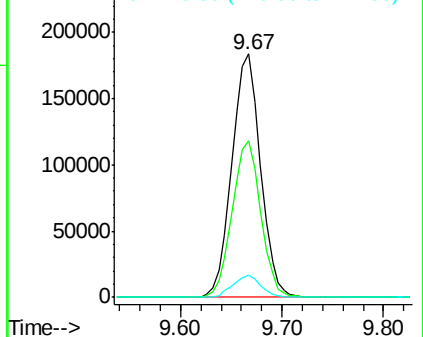
83 100

85 64.3 52.0 78.0

127 9.2 7.3 10.9



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



#48

Methyl methacrylate

Concen: 50.82 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

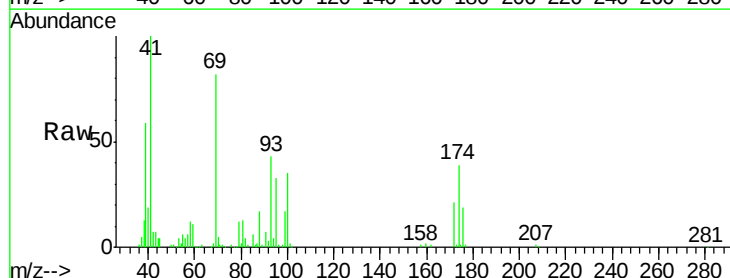
Tgt Ion: 41 Resp: 132255

Ion Ratio Lower Upper

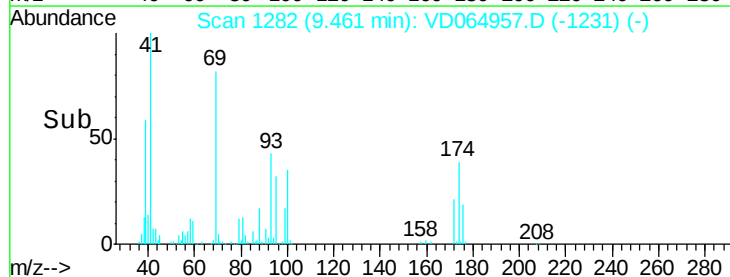
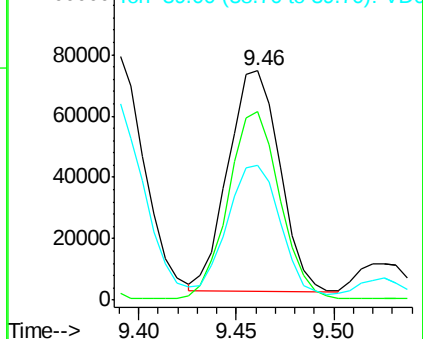
41 100

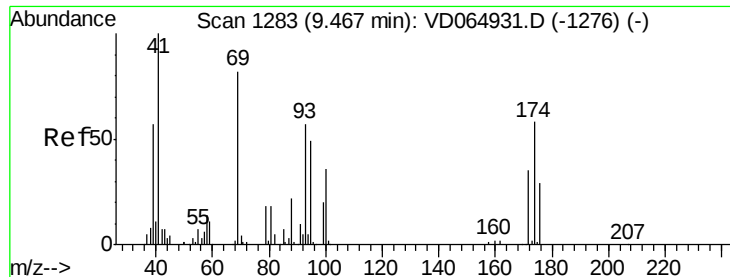
69 84.9 65.8 98.8

39 59.6 49.4 74.0



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





#49

1,4-Dioxane

Concen: 978.66 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

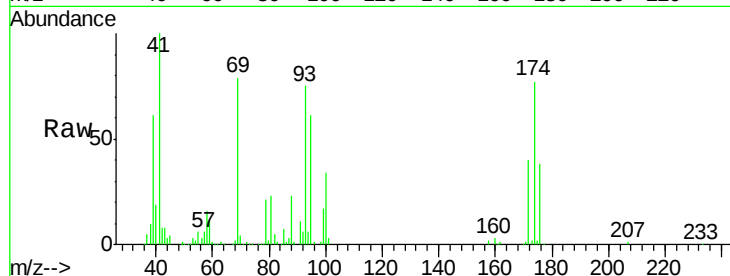
Tgt Ion: 88 Resp: 29822

Ion Ratio Lower Upper

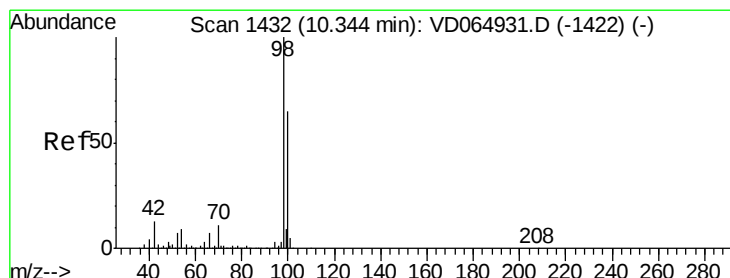
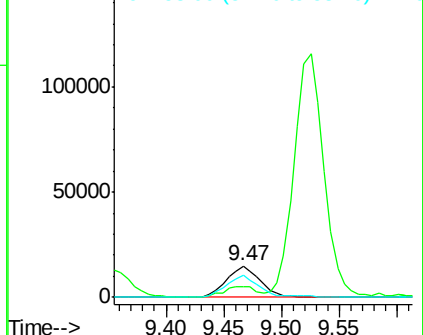
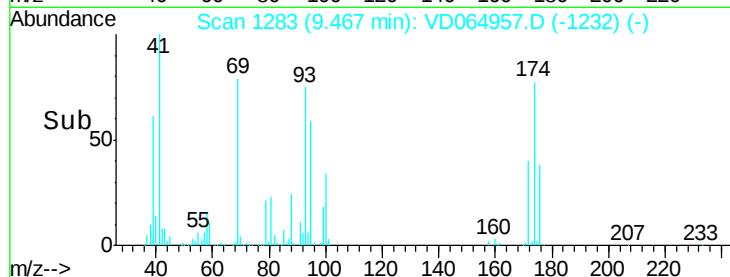
88 100

43 31.3 26.2 39.4

58 71.2 50.3 75.5



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: 52.41 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064957.D

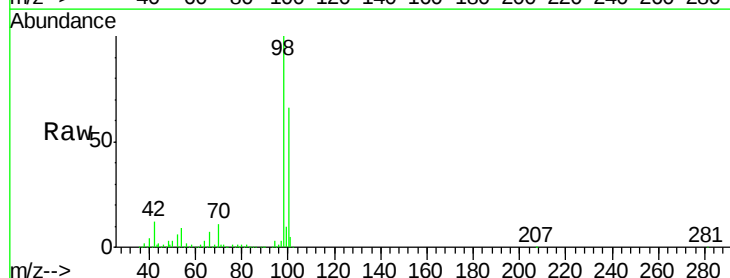
Acq: 27 Jan 2020 10:28

Tgt Ion: 98 Resp: 950133

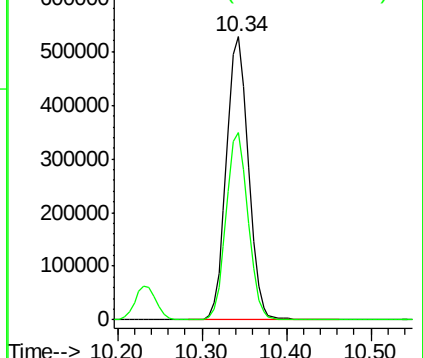
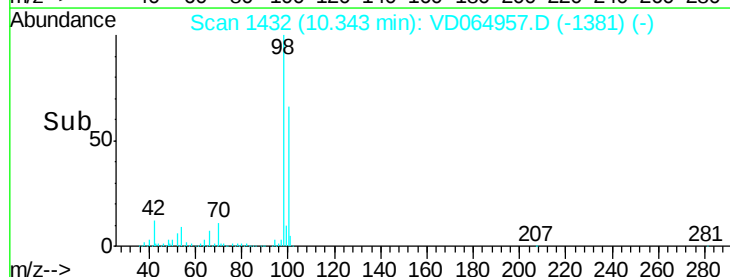
Ion Ratio Lower Upper

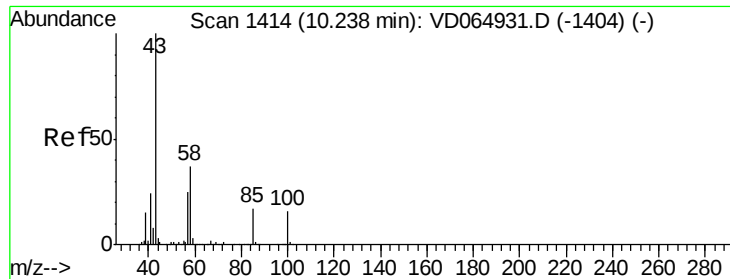
98 100

100 65.5 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

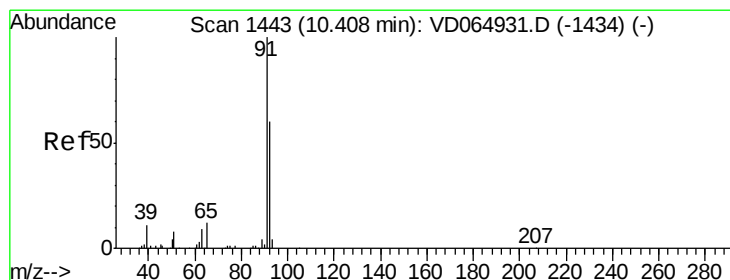
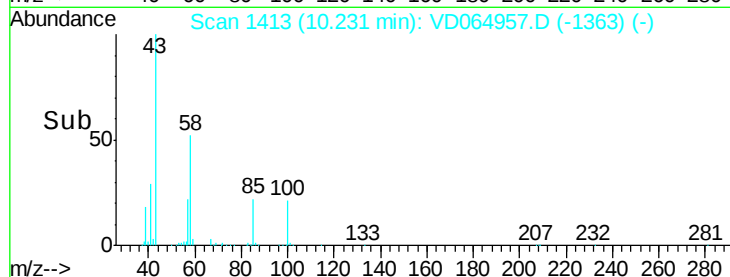
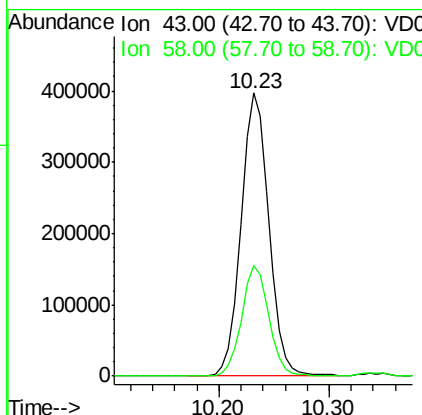
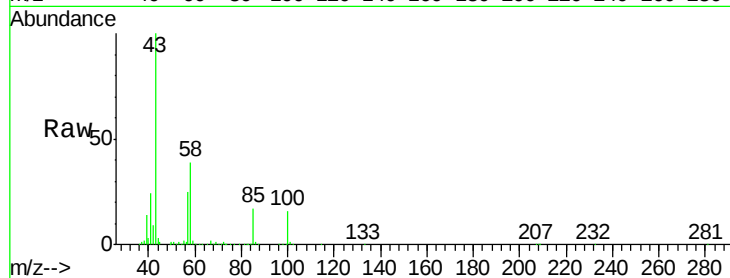




#51
 4-Methyl-2-Pentanone
 Concen: 248.56 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

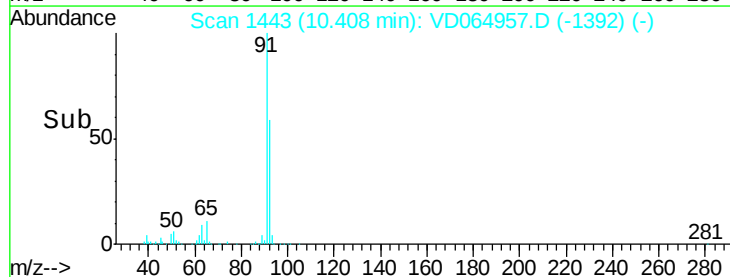
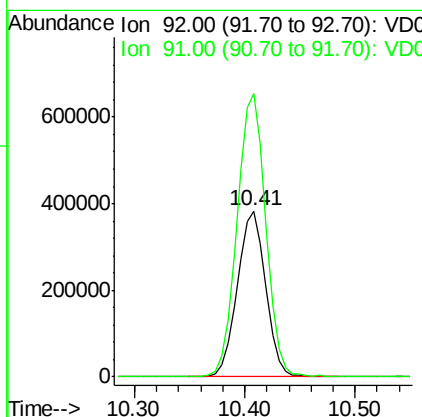
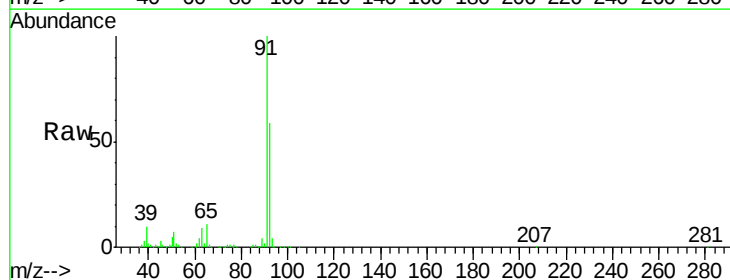
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

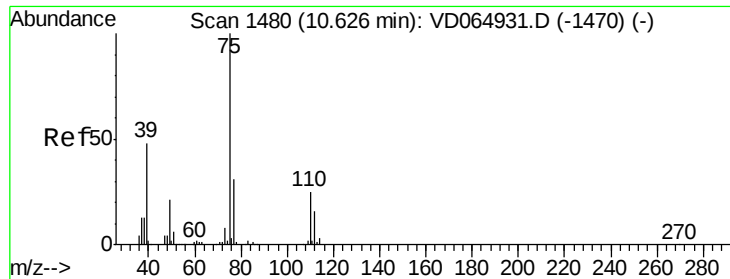
Tgt Ion: 43 Resp: 703384
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.4 45.6



#52
 Toluene
 Concen: 54.01 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

Tgt Ion: 92 Resp: 691316
 Ion Ratio Lower Upper
 92 100
 91 172.9 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 52.71 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

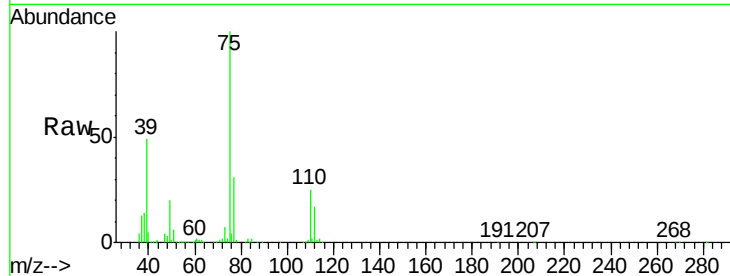
VSTDCCC050

Tgt Ion: 75 Resp: 343269

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

200000

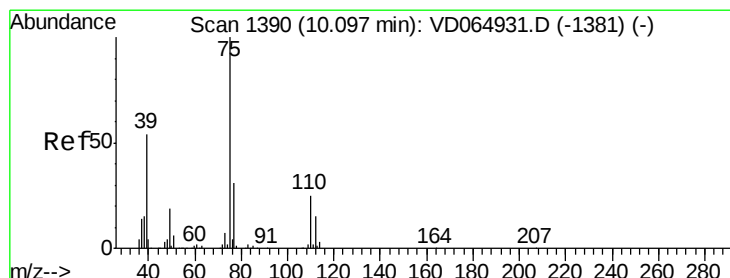
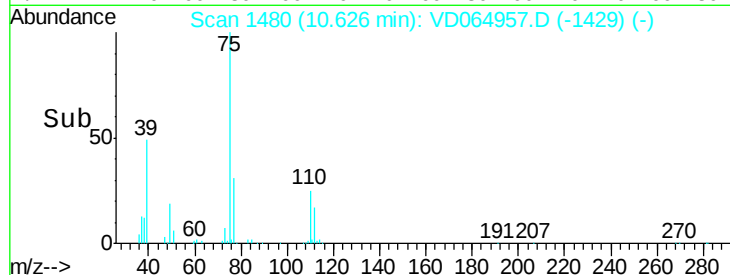
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.09 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

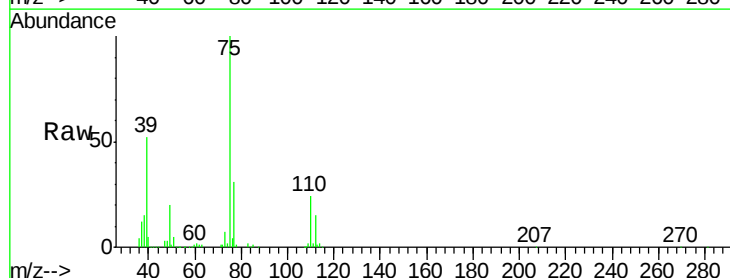
Tgt Ion: 75 Resp: 412392

Ion Ratio Lower Upper

75 100

77 30.6 25.1 37.7

39 52.1 43.0 64.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

300000

250000

200000

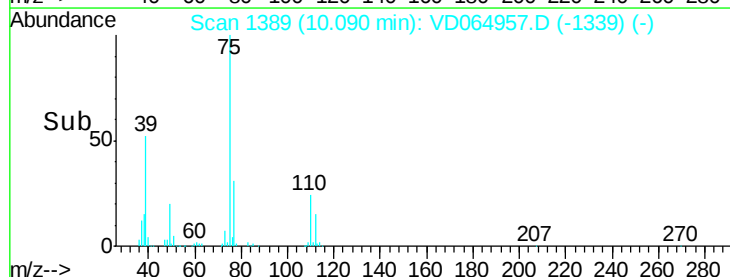
150000

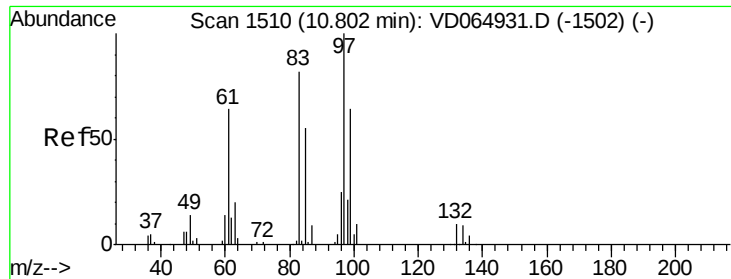
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 50.76 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 179651

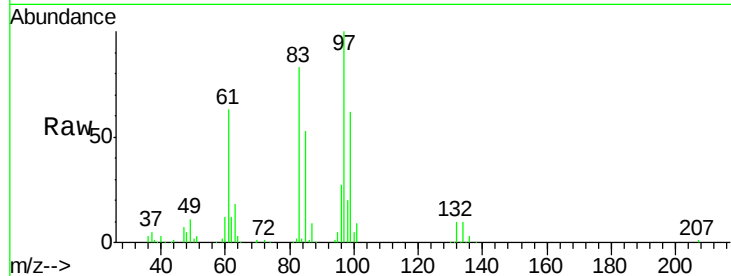
Ion Ratio Lower Upper

97 100

83 83.0 66.0 99.0

85 52.8 44.4 66.6

99 61.7 51.4 77.0

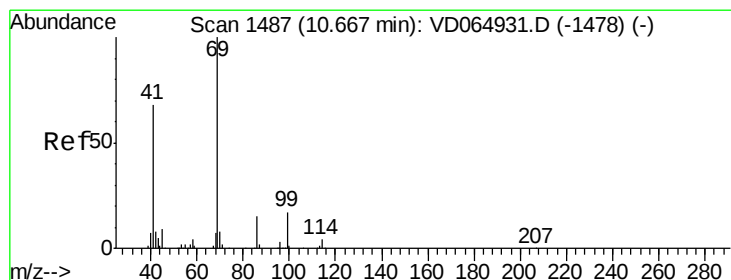
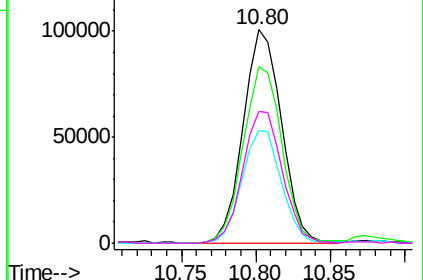
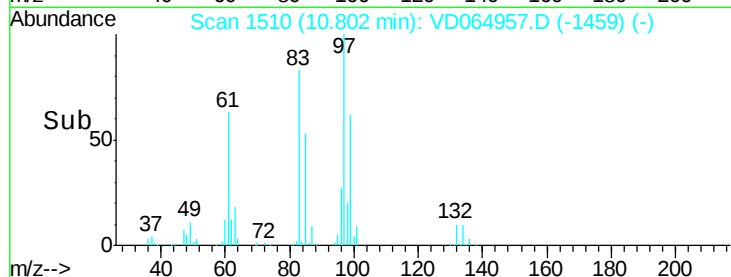


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 52.75 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

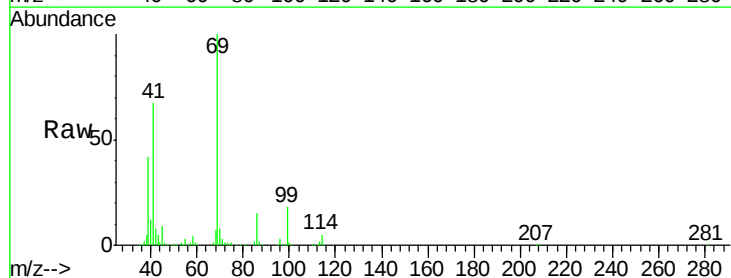
Tgt Ion: 69 Resp: 223265

Ion Ratio Lower Upper

69 100

41 71.1 56.4 84.6

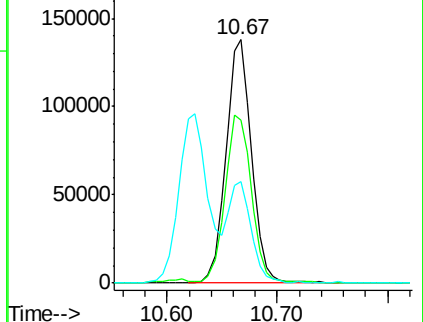
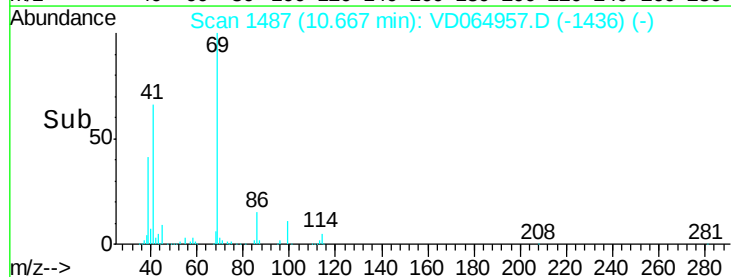
39 36.6 30.6 46.0

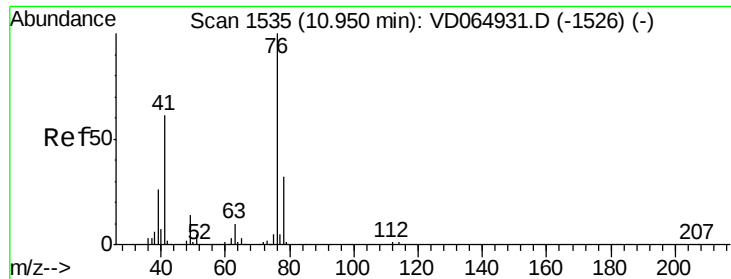


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

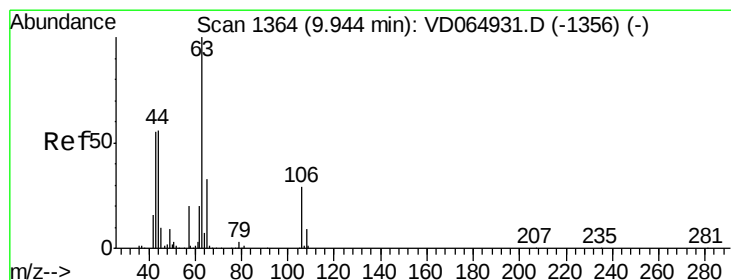
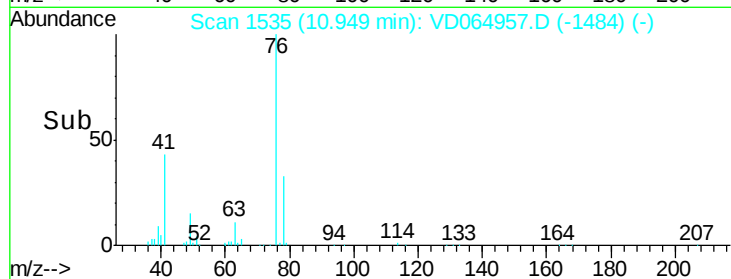
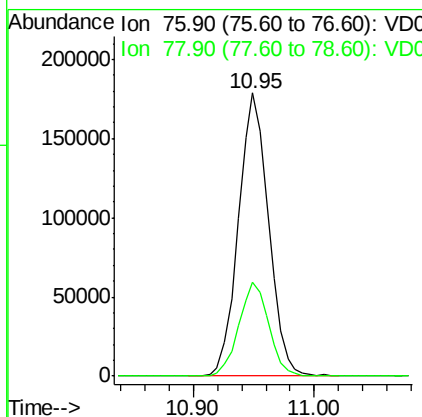
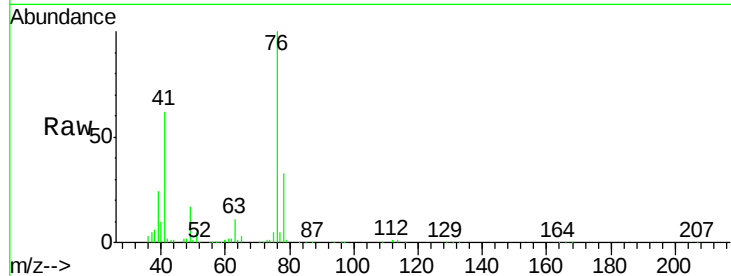




#57
 1,3-Dichloropropane
 Concen: 51.34 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

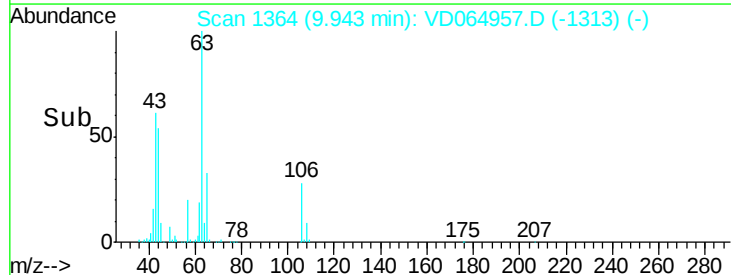
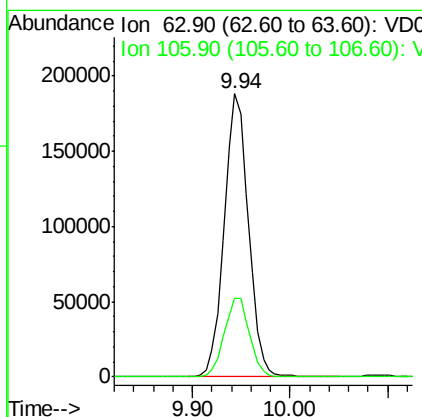
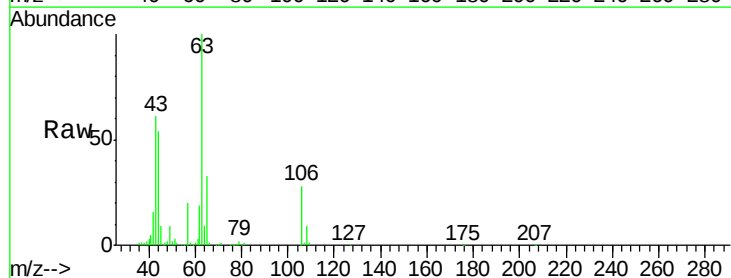
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

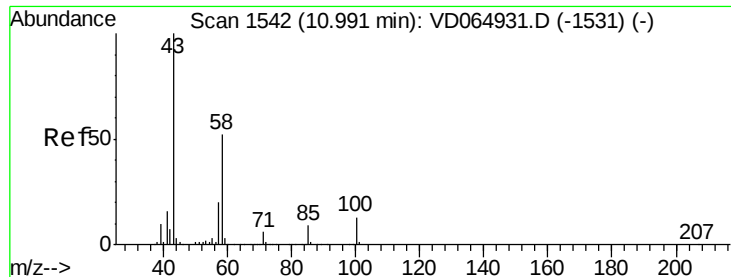
Tgt Ion: 76 Resp: 311664
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 230.20 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

Tgt Ion: 63 Resp: 323664
 Ion Ratio Lower Upper
 63 100
 106 29.0 23.0 34.4

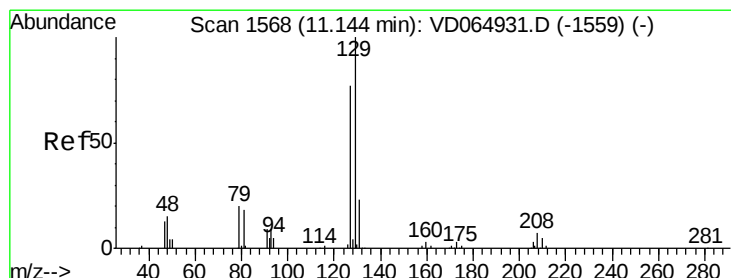
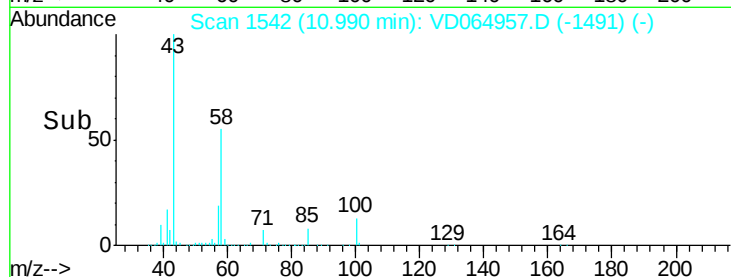
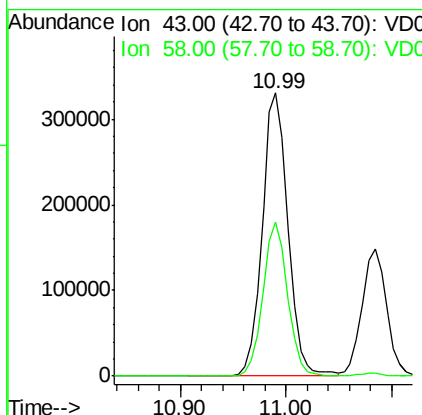
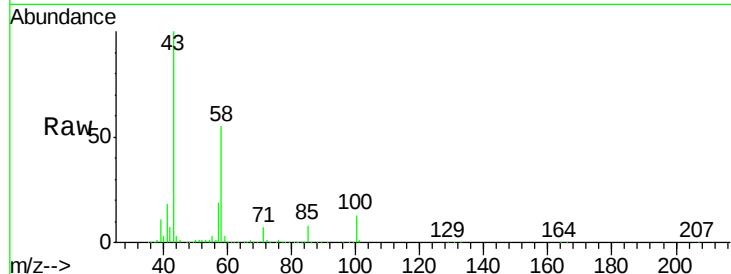




#59
2-Hexanone
Concen: 285.91 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

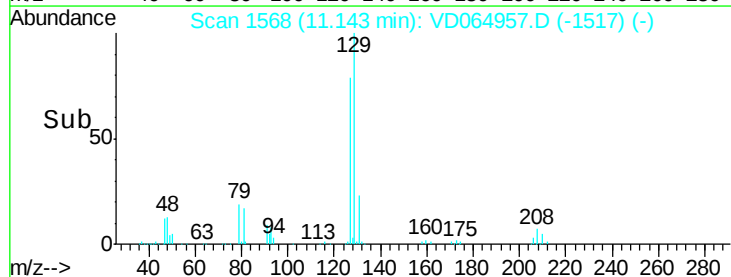
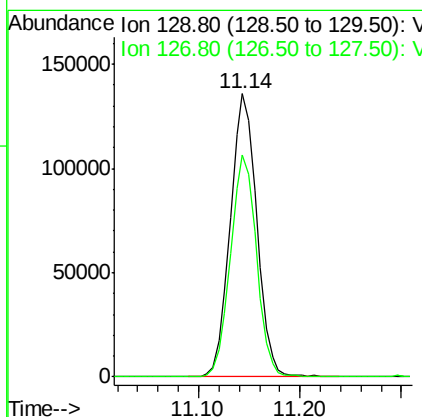
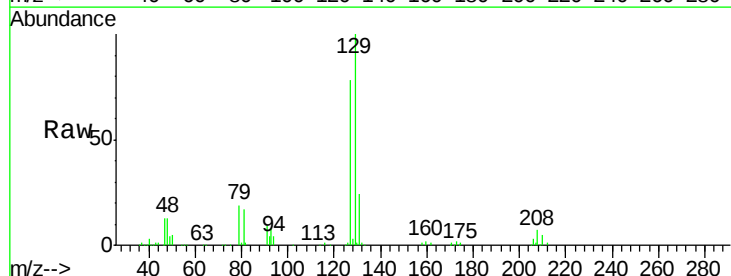
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

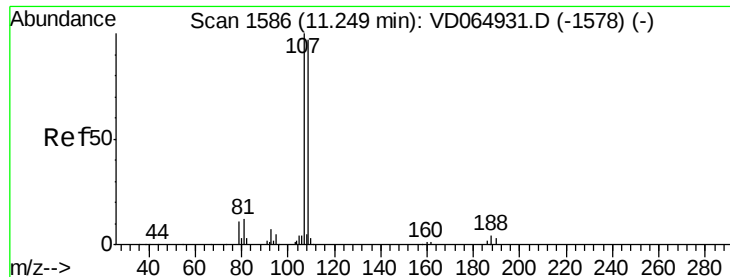
Tgt Ion: 43 Resp: 558072
Ion Ratio Lower Upper
43 100
58 52.2 26.5 79.4



#60
Dibromochloromethane
Concen: 52.09 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion: 129 Resp: 246409
Ion Ratio Lower Upper
129 100
127 77.0 38.2 114.6

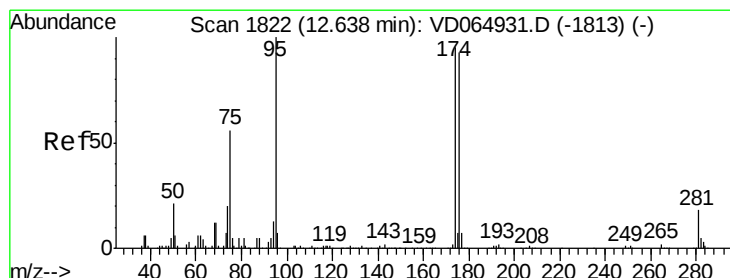
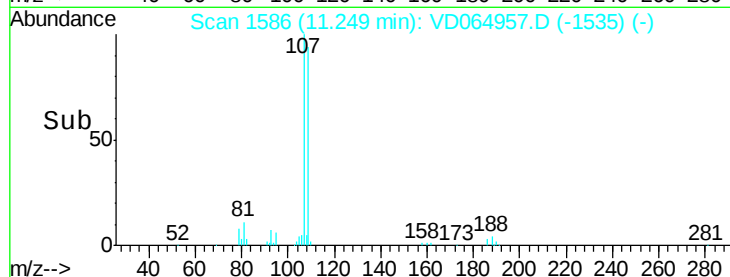
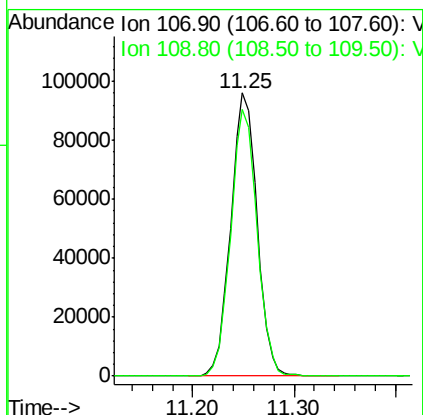
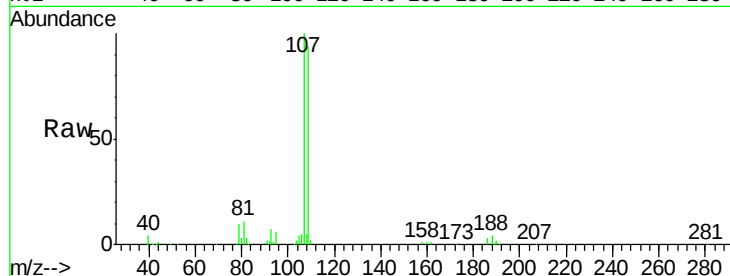




#61
 1,2-Dibromoethane
 Concen: 50.77 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

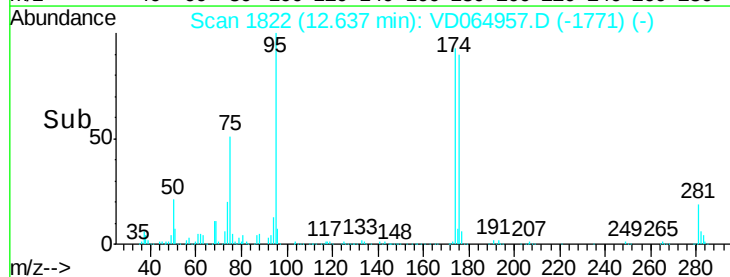
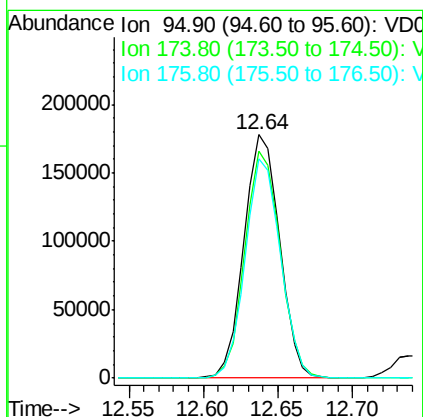
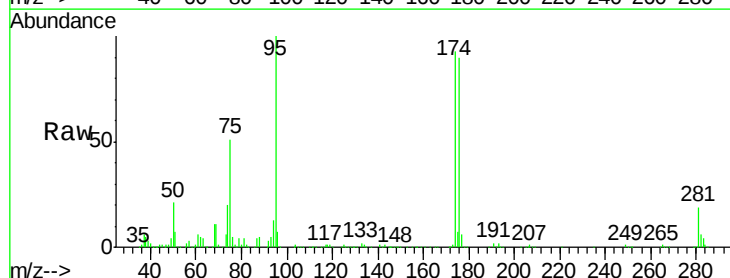
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 173027
 Ion Ratio Lower Upper
 107 100
 109 94.7 77.1 115.7



#62
 4-Bromofluorobenzene
 Concen: 53.00 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

Tgt Ion: 95 Resp: 294067
 Ion Ratio Lower Upper
 95 100
 174 92.5 0.0 186.8
 176 89.1 0.0 183.4

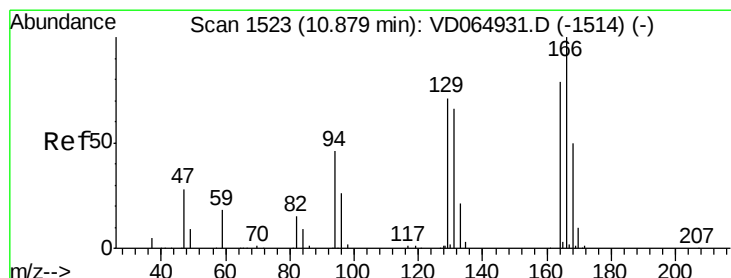
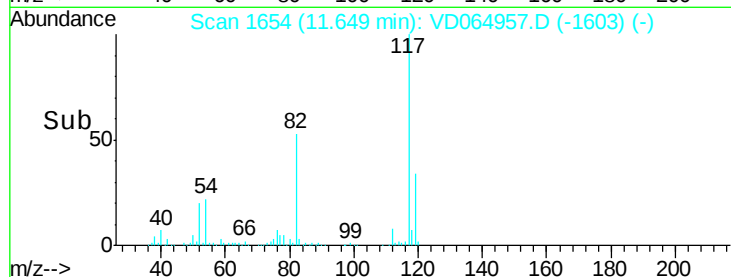
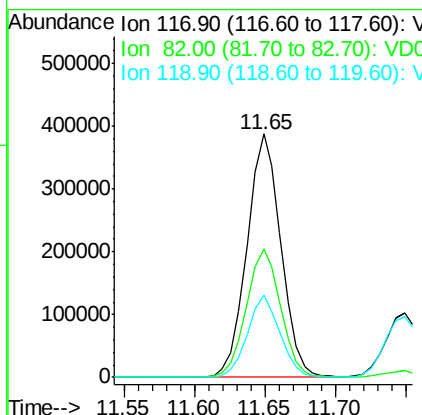
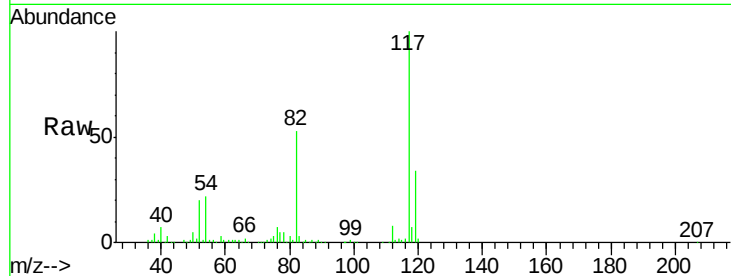




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

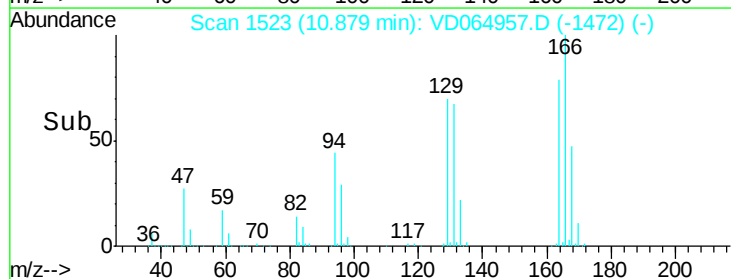
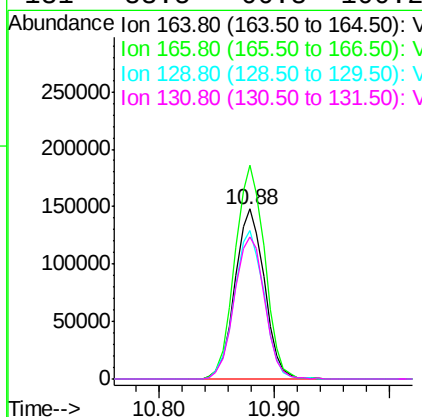
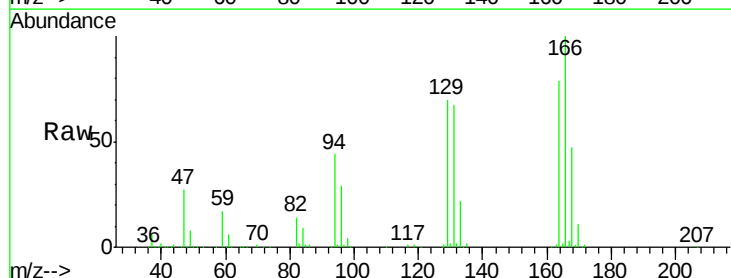
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

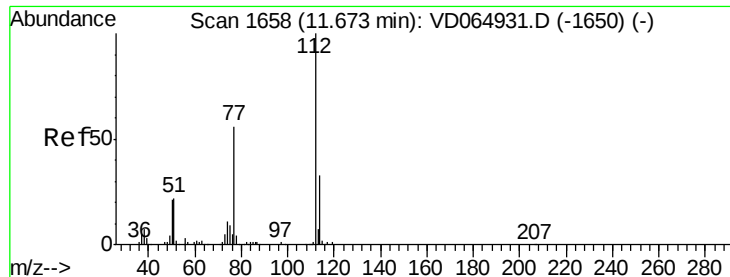
Tgt Ion:117 Resp: 652608
Ion Ratio Lower Upper
117 100
82 52.8 43.6 65.4
119 33.6 25.2 37.8



#64
Tetrachloroethene
Concen: 55.59 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion:164 Resp: 262145
Ion Ratio Lower Upper
164 100
166 125.8 101.4 152.2
129 87.7 71.8 107.8
131 83.5 66.8 100.2





#65

Chlorobenzene

Concen: 54.10 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

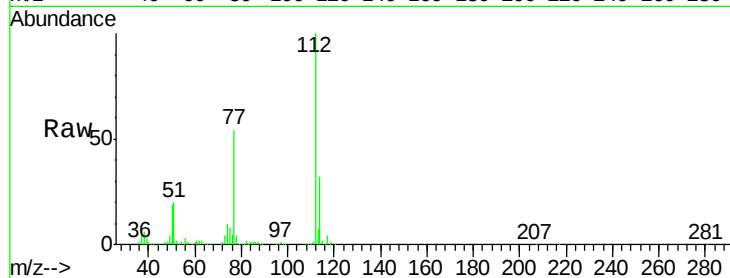
VSTDCCC050

Tgt Ion:112 Resp: 716788

Ion Ratio Lower Upper

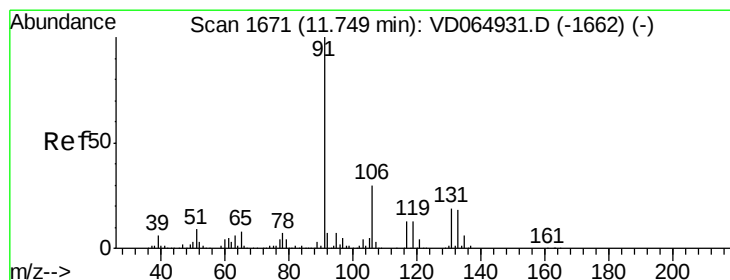
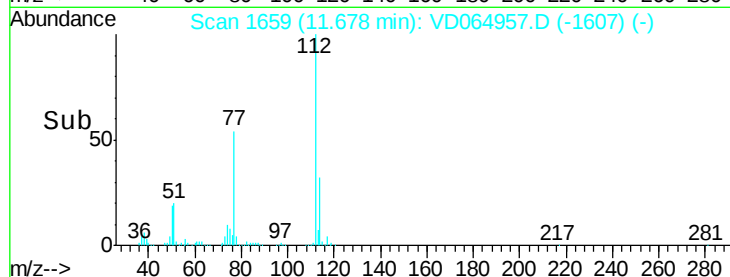
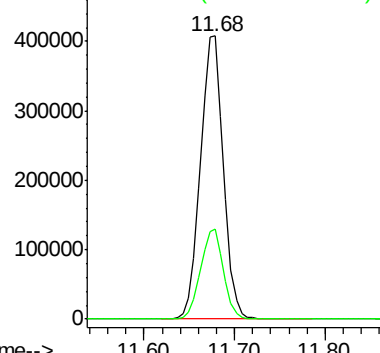
112 100

114 31.9 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.36 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

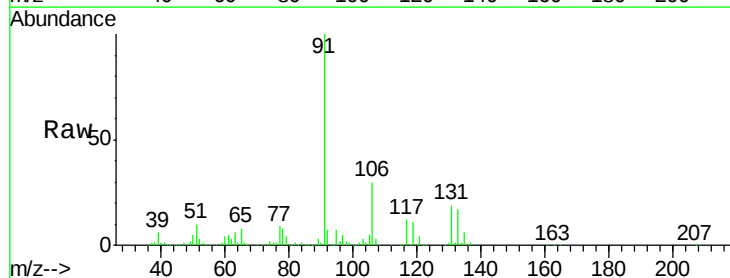
Tgt Ion:131 Resp: 270907

Ion Ratio Lower Upper

131 100

133 94.2 47.5 142.5

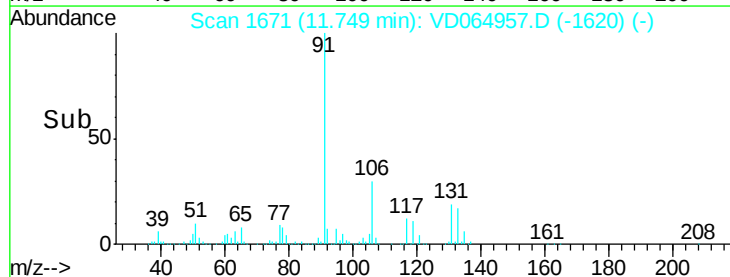
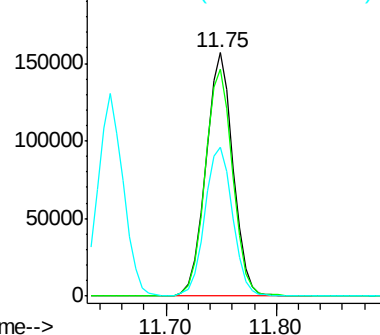
119 62.6 31.1 93.5

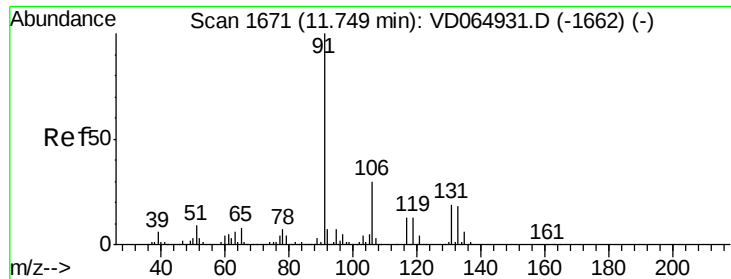


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 56.52 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

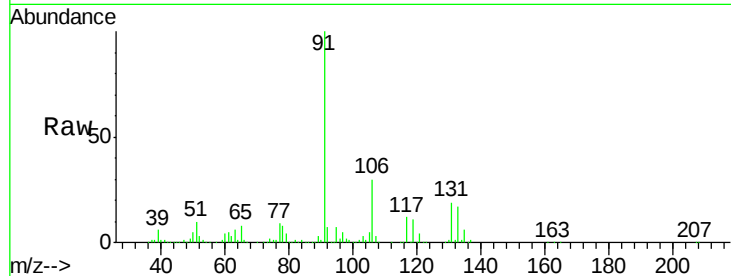
VSTDCCC050

Tgt Ion: 91 Resp: 1329567

Ion Ratio Lower Upper

91 100

106 30.4 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC

1200000

800000

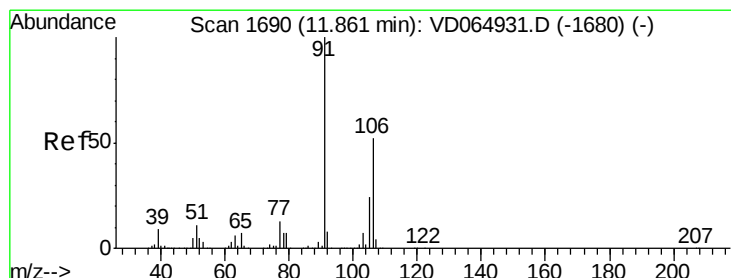
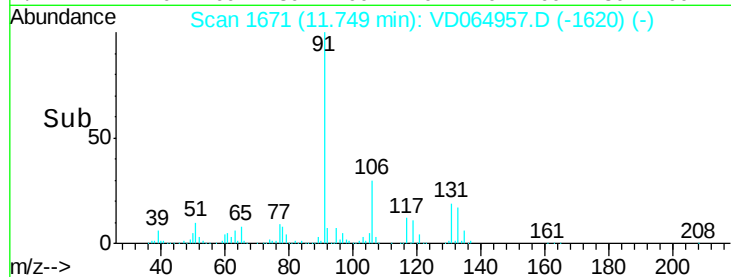
600000

400000

200000

0

Time-->



#68

m/p-Xylenes

Concen: 114.80 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD064957.D

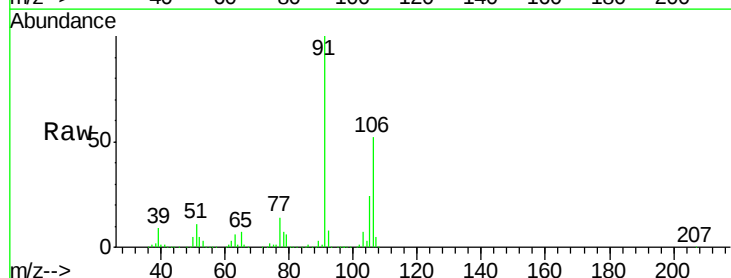
Acq: 27 Jan 2020 10:28

Tgt Ion: 106 Resp: 1039814

Ion Ratio Lower Upper

106 100

91 196.5 159.0 238.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

1200000

800000

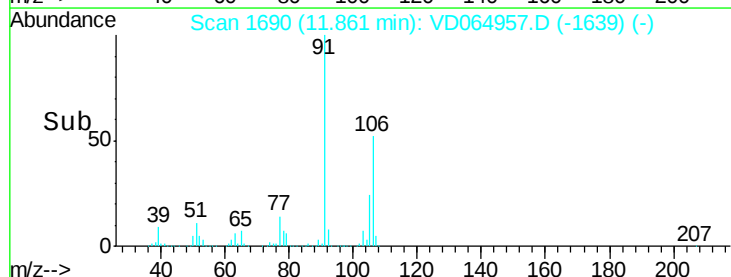
600000

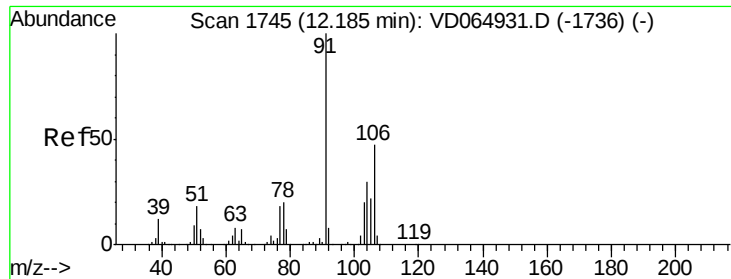
400000

200000

0

Time-->

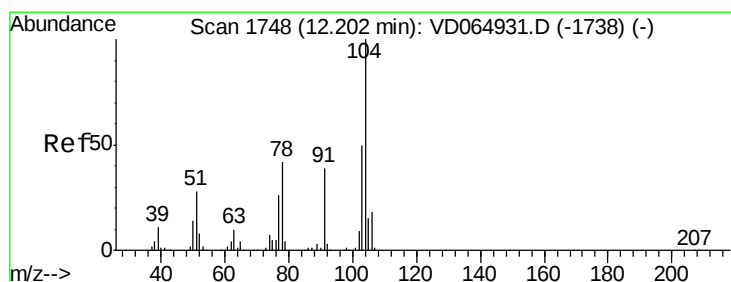
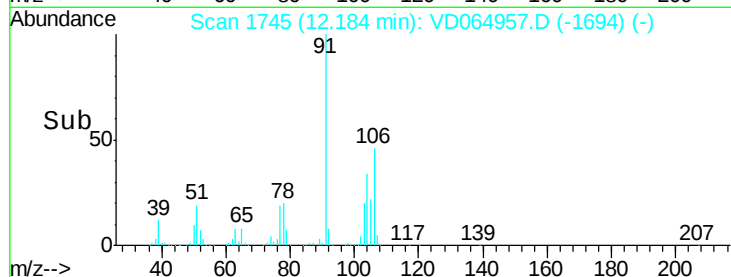
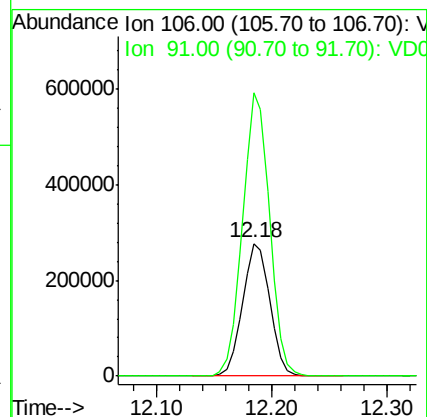
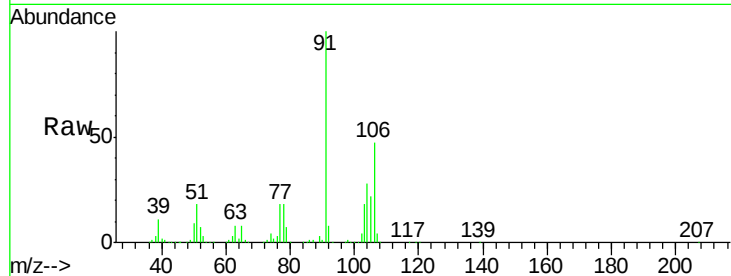




#69
o-Xylene
Concen: 56.39 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

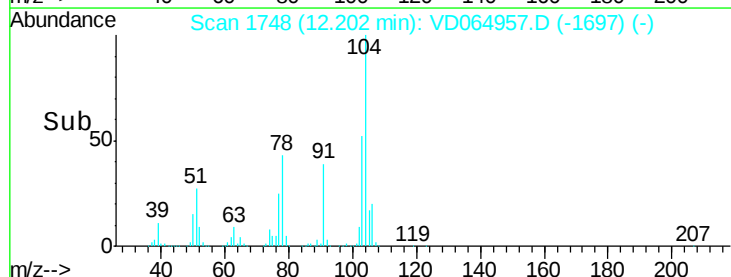
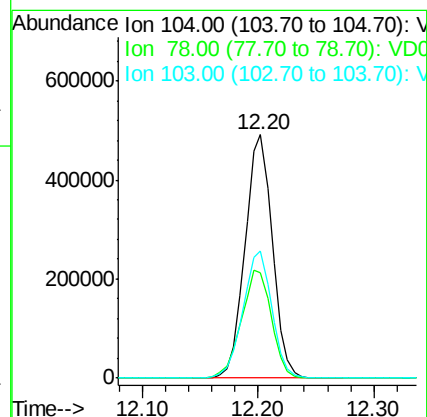
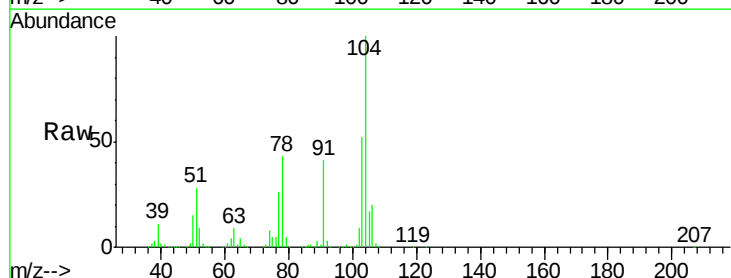
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

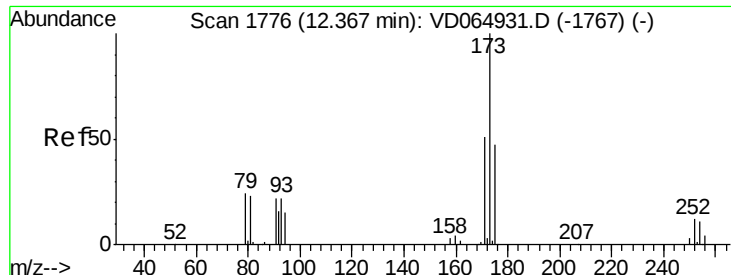
Tgt Ion:106 Resp: 453287
Ion Ratio Lower Upper
106 100
91 212.0 106.7 319.9



#70
Styrene
Concen: 56.43 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion:104 Resp: 808066
Ion Ratio Lower Upper
104 100
78 48.8 38.3 57.5
103 55.1 43.5 65.3

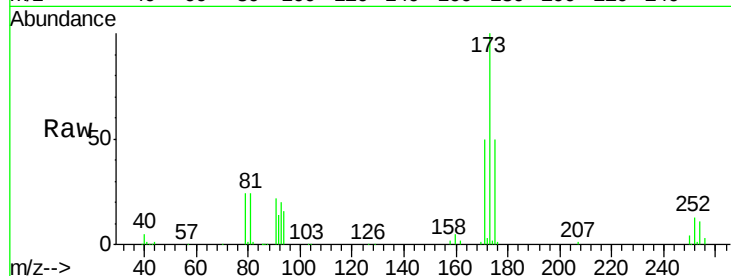




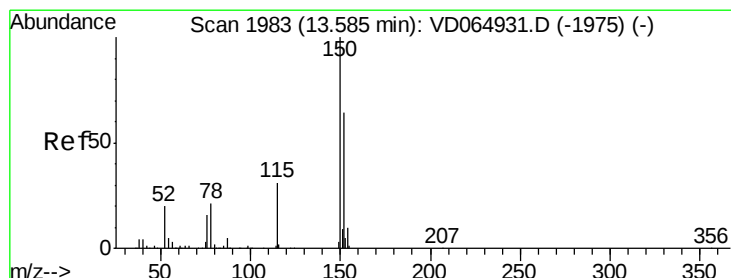
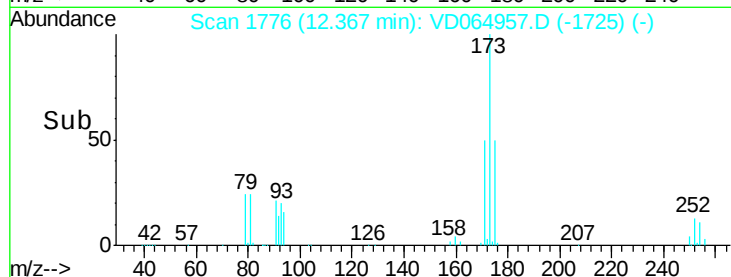
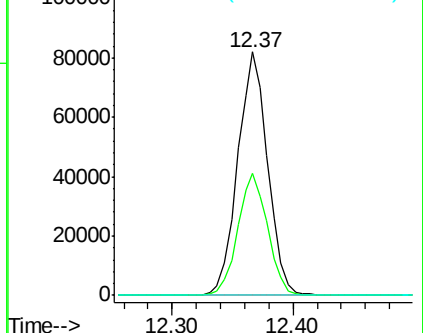
#71
Bromoform
Concen: 51.00 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 141262
Ion Ratio Lower Upper
173 100
175 49.8 24.6 73.8
254 0.0 0.1 0.1#

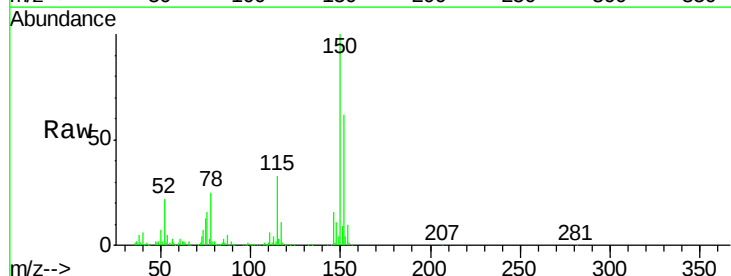


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

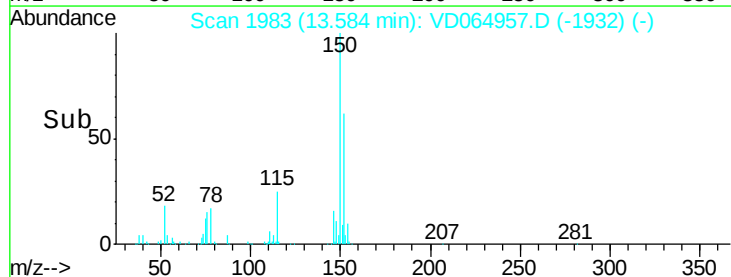
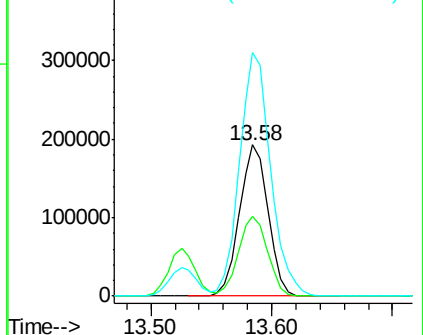


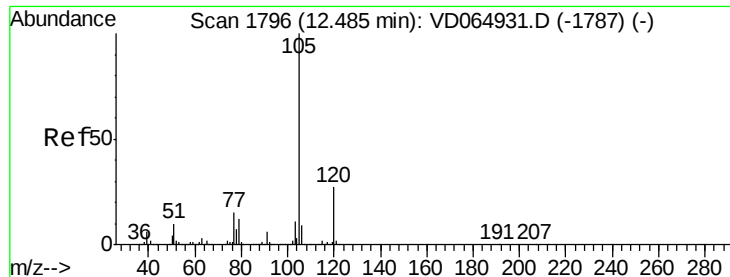
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion:152 Resp: 317951
Ion Ratio Lower Upper
152 100
115 53.5 28.1 84.4
150 174.8 0.0 350.4



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





#73

Isopropylbenzene

Concen: 58.38 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

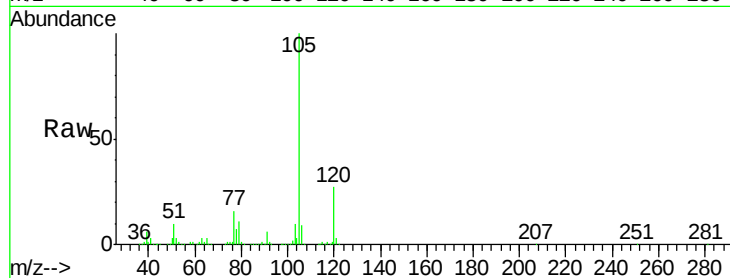
VSTDCCC050

Tgt Ion:105 Resp: 1268682

Ion Ratio Lower Upper

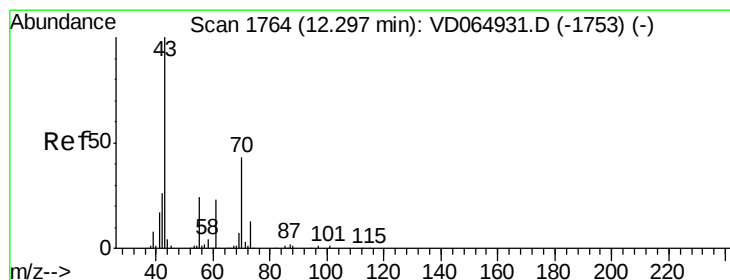
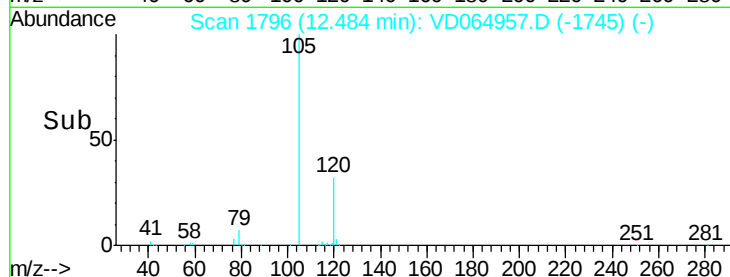
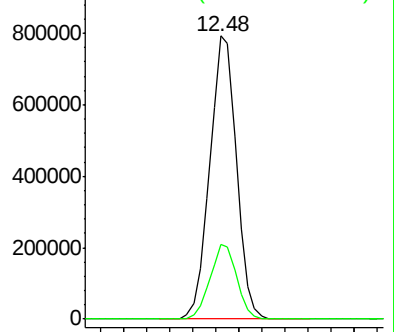
105 100

120 26.5 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.16 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Tgt Ion: 43 Resp: 253639

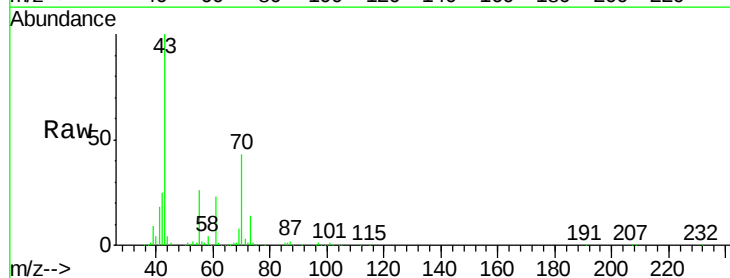
Ion Ratio Lower Upper

43 100

70 42.8 32.6 49.0

55 25.8 19.9 29.9

61 23.0 18.3 27.5

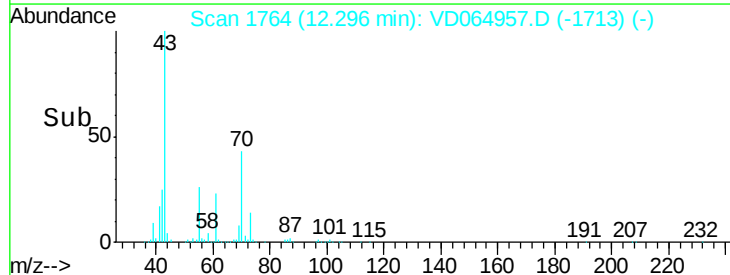
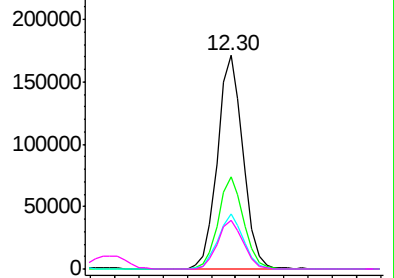


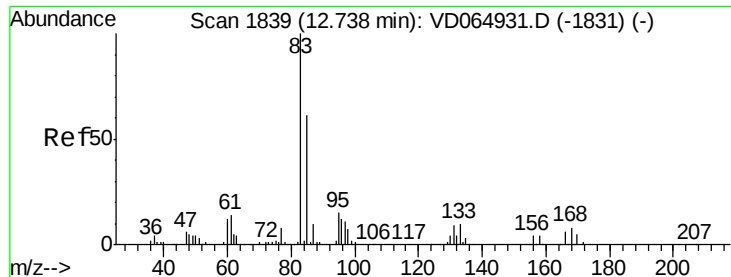
Abundance Ion 43.00 (42.70 to 43.70): V

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: 49.96 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

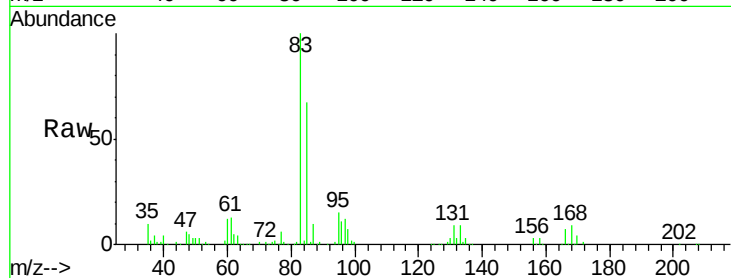
Tgt Ion: 83 Resp: 182484

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.4

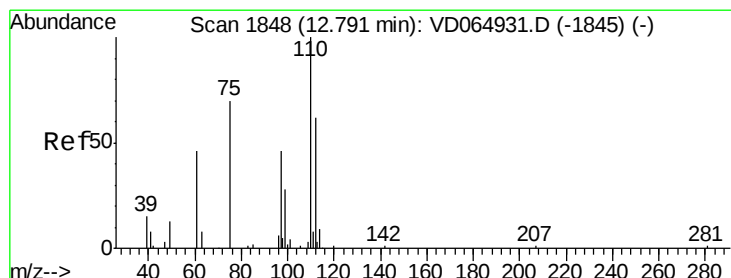
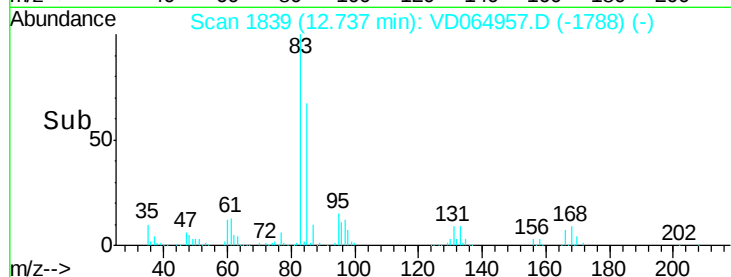
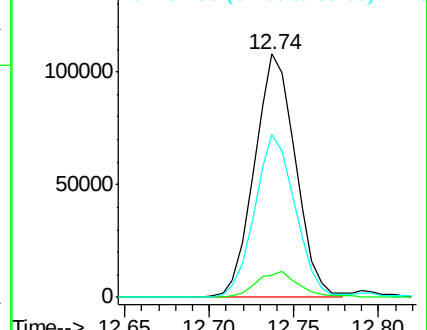
85 66.1 31.6 94.7



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: 95.88 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD064957.D

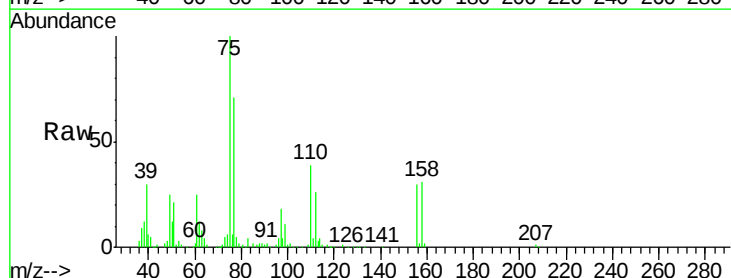
Acq: 27 Jan 2020 10:28

Tgt Ion: 75 Resp: 253019

Ion Ratio Lower Upper

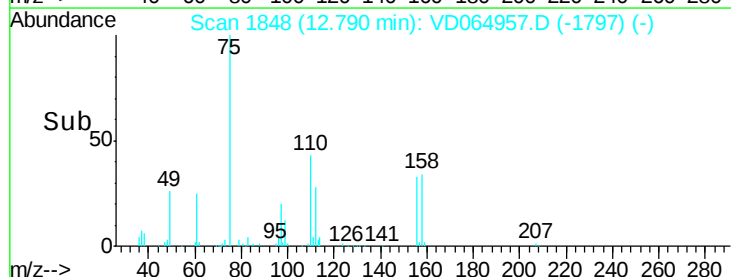
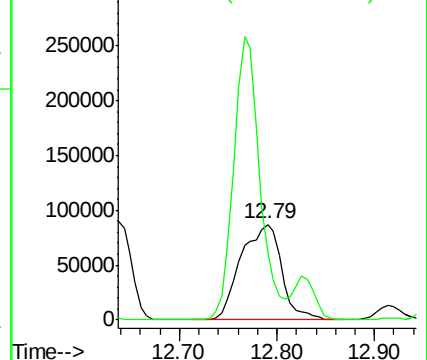
75 100

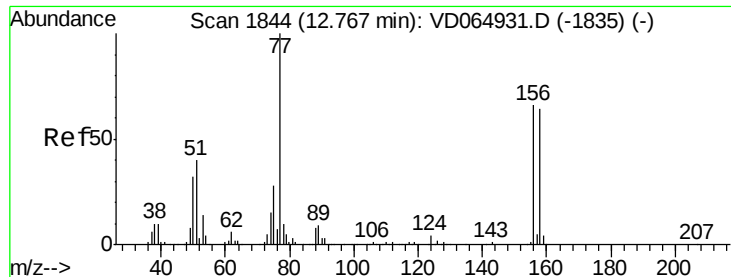
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 54.53 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

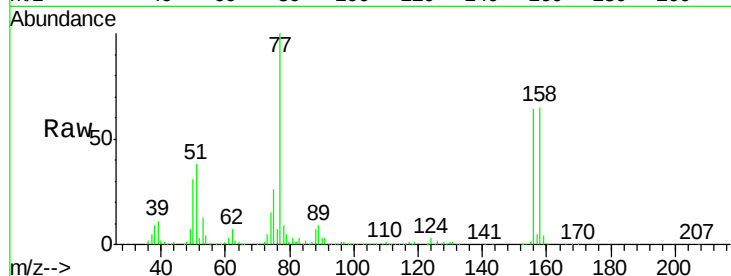
Tgt Ion:156 Resp: 289935

Ion Ratio Lower Upper

156 100

77 166.3 84.2 252.5

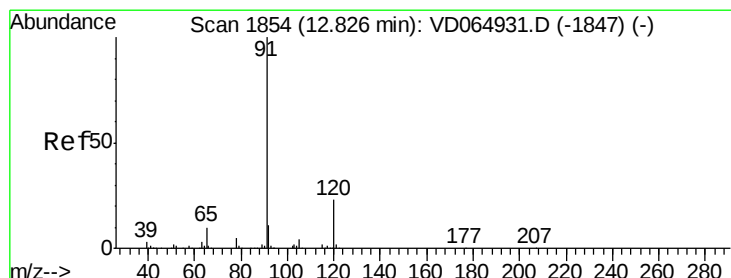
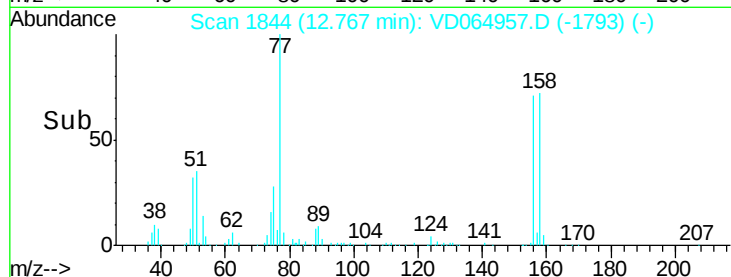
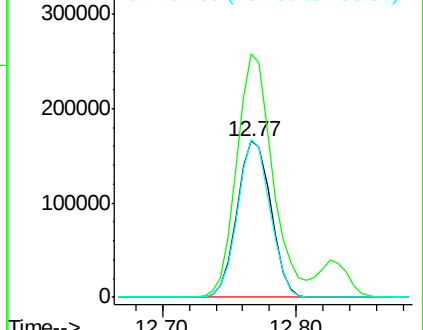
158 97.2 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 58.50 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064957.D

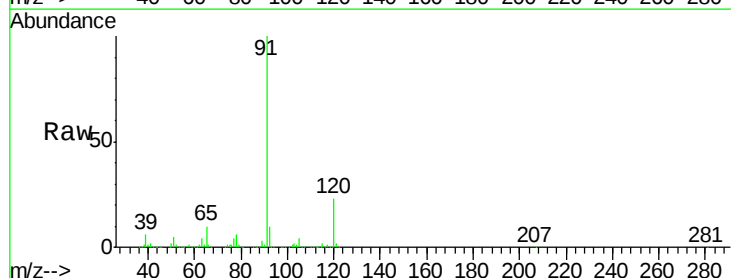
Acq: 27 Jan 2020 10:28

Tgt Ion: 91 Resp: 1511950

Ion Ratio Lower Upper

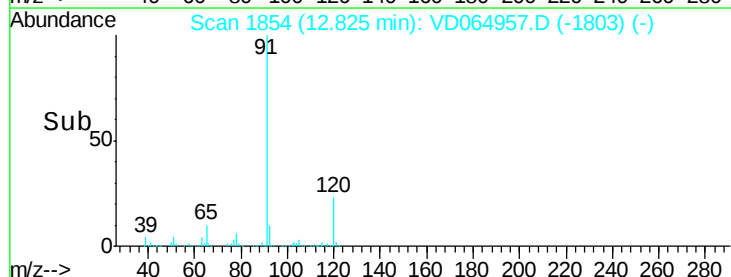
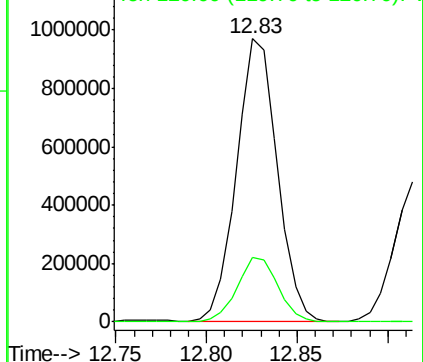
91 100

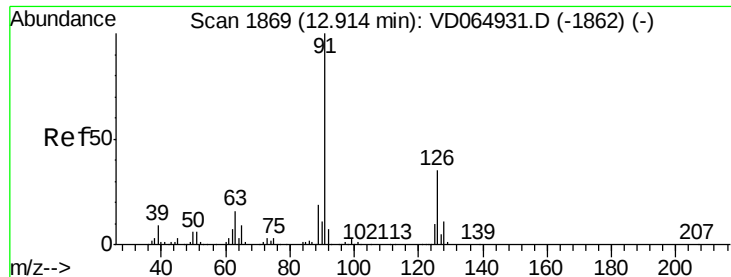
120 23.0 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 56.85 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

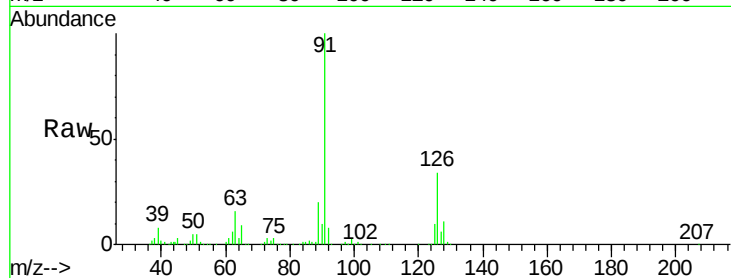
VSTDCCC050

Tgt Ion: 91 Resp: 806058

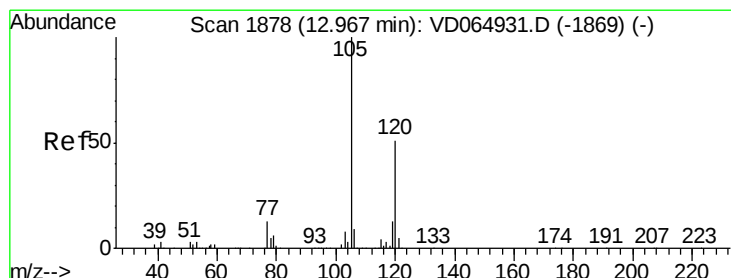
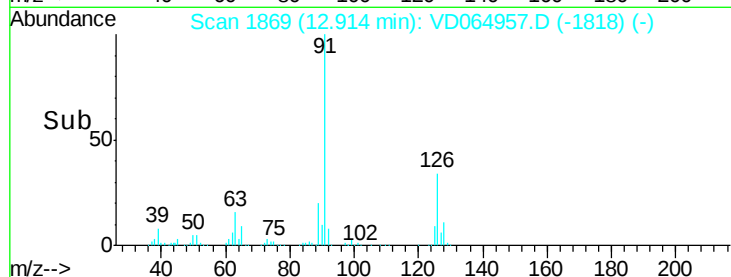
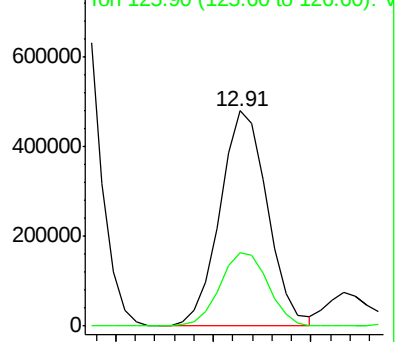
Ion Ratio Lower Upper

91 100

126 35.0 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VD064931.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 58.53 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD064957.D

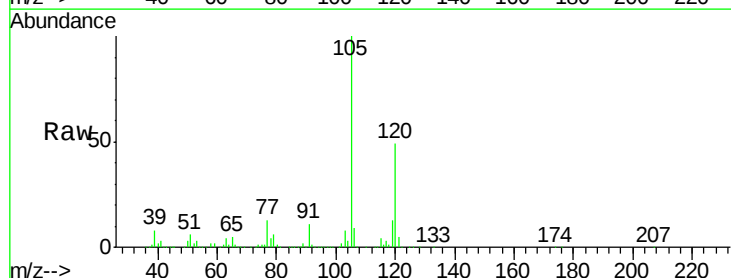
Acq: 27 Jan 2020 10:28

Tgt Ion: 105 Resp: 1042340

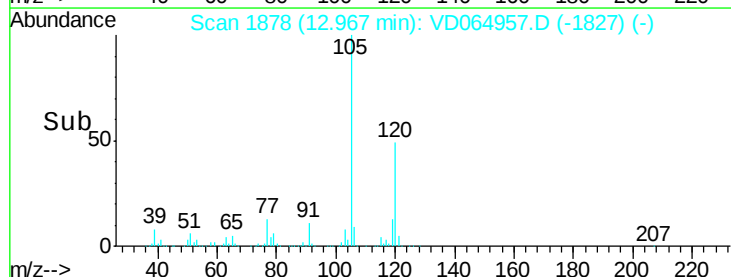
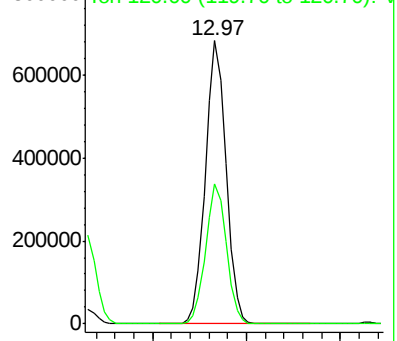
Ion Ratio Lower Upper

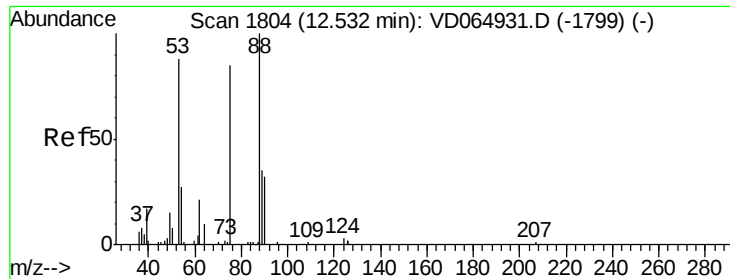
105 100

120 49.7 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VD064931.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.78 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

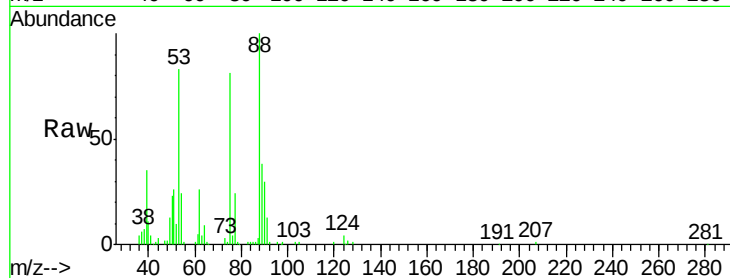
Tgt Ion: 75 Resp: 65238

Ion Ratio Lower Upper

75 100

53 97.3 81.0 121.4

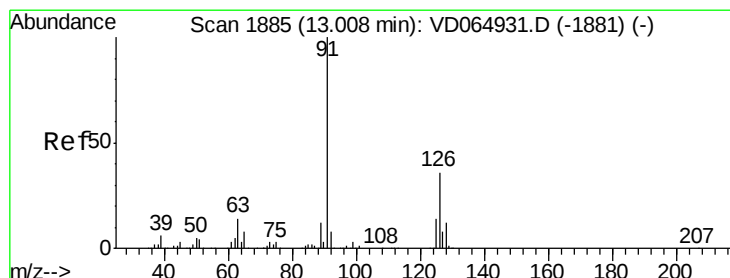
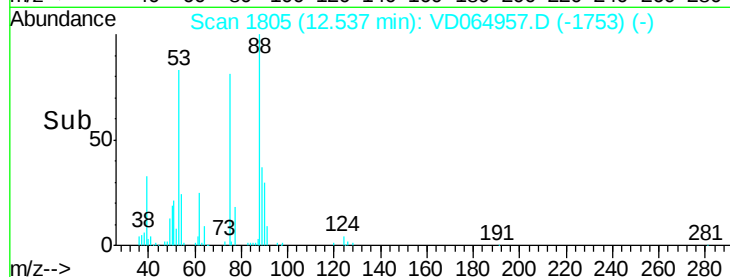
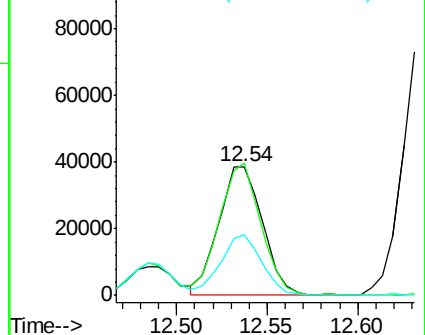
89 44.1 36.2 54.4



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: 56.45 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064957.D

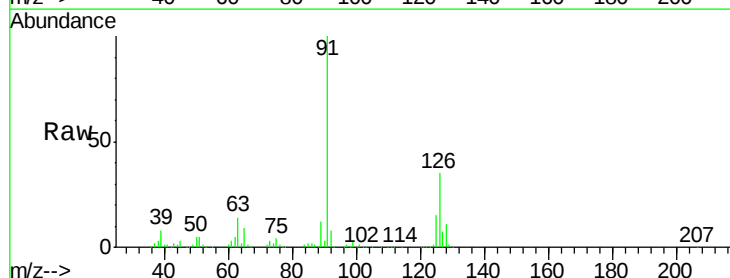
Acq: 27 Jan 2020 10:28

Tgt Ion: 91 Resp: 848759

Ion Ratio Lower Upper

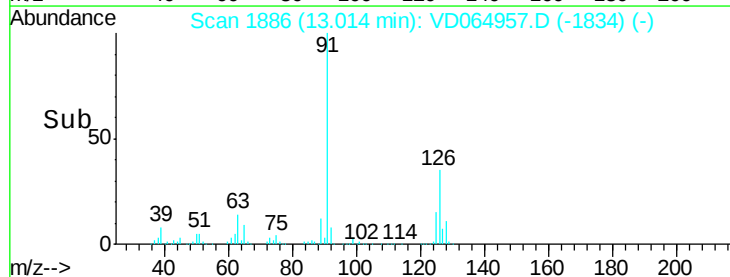
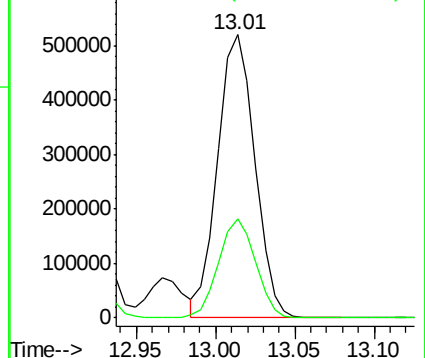
91 100

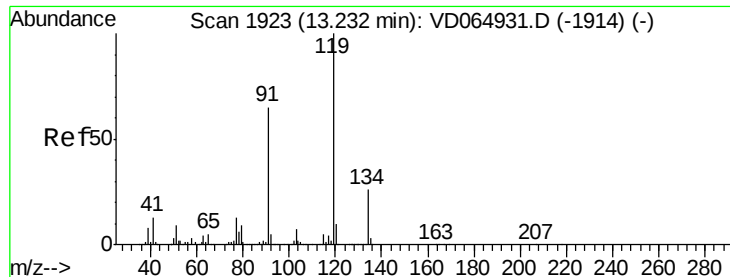
126 34.9 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

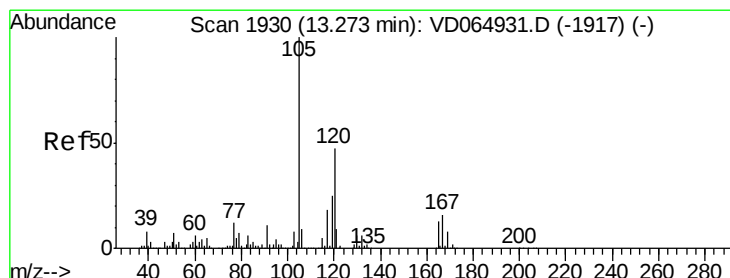
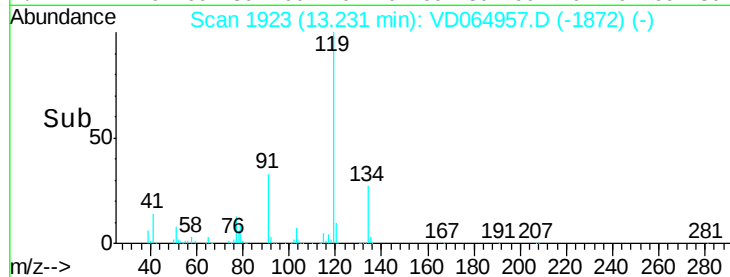
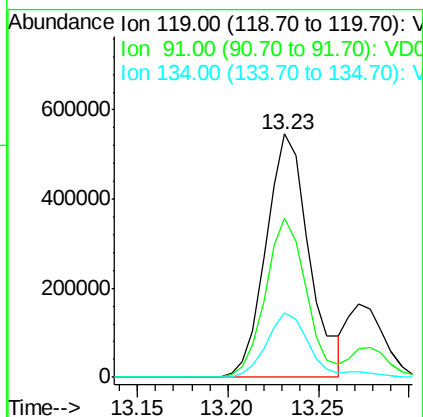
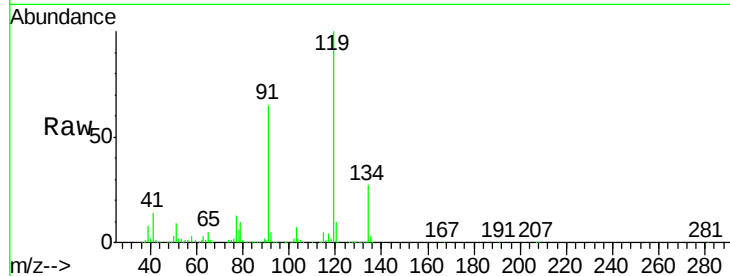




#83
 tert-Butylbenzene
 Concen: 59.94 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

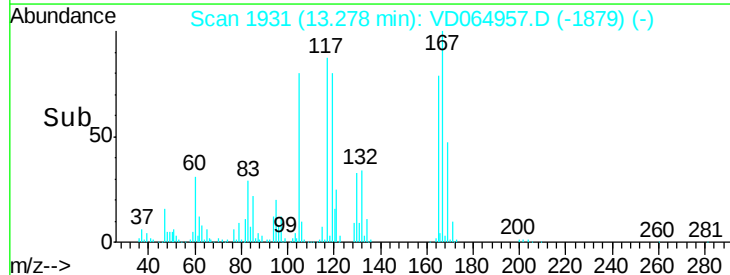
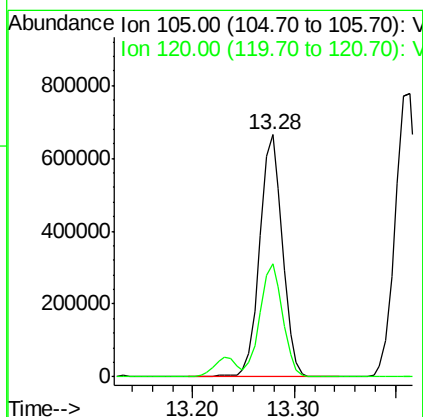
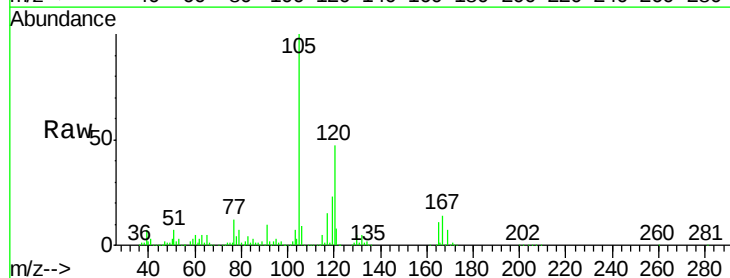
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

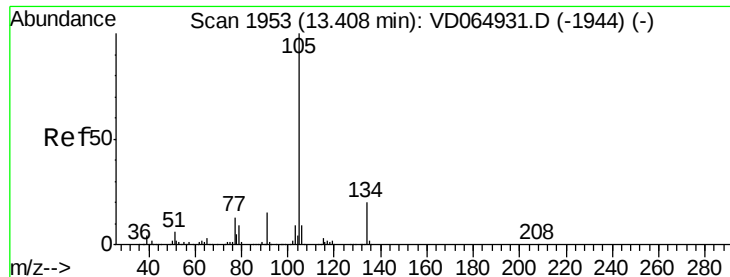
Tgt Ion:119 Resp: 905873
 Ion Ratio Lower Upper
 119 100
 91 62.0 32.0 96.0
 134 27.1 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 57.26 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

Tgt Ion:105 Resp: 1033070
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.1 69.3

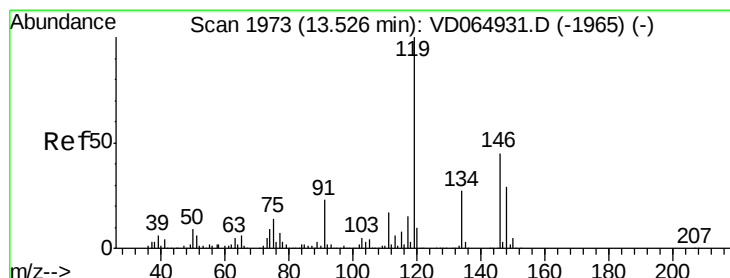
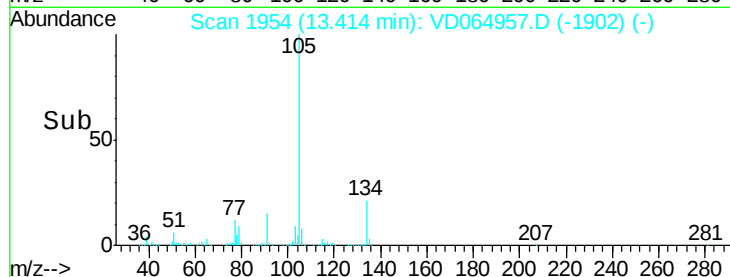
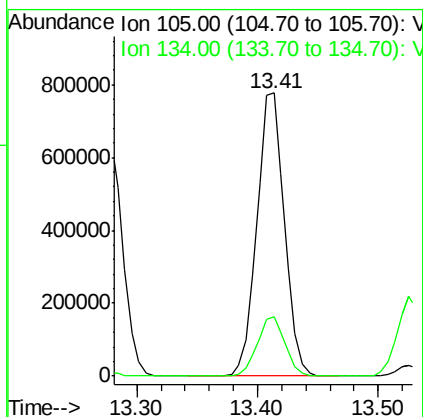
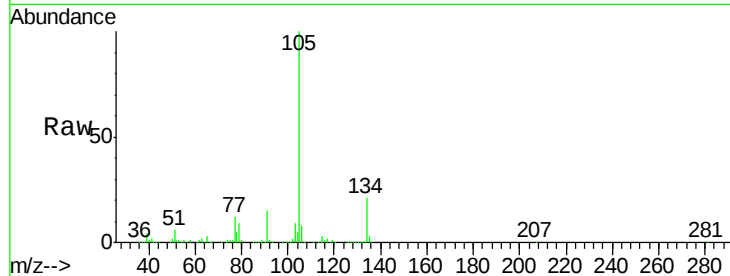




#85
 sec-Butylbenzene
 Concen: 57.92 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

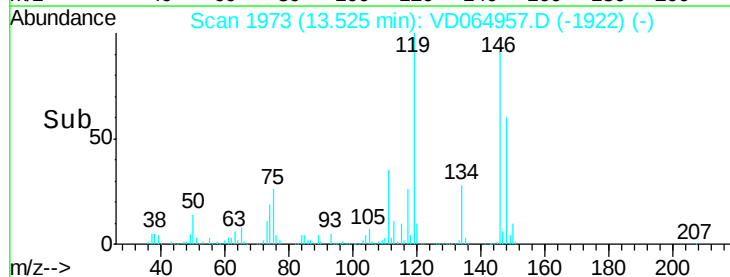
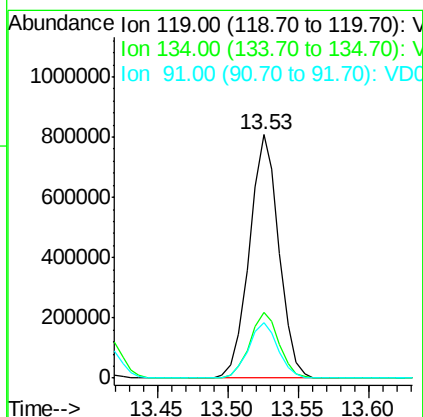
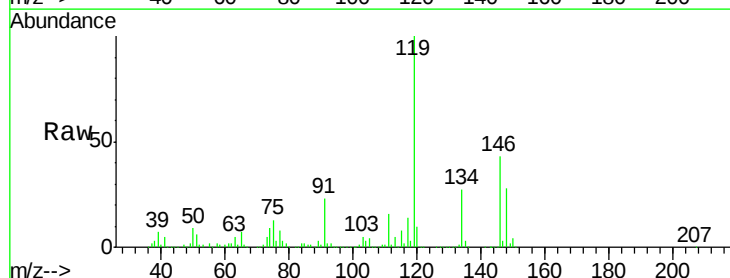
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

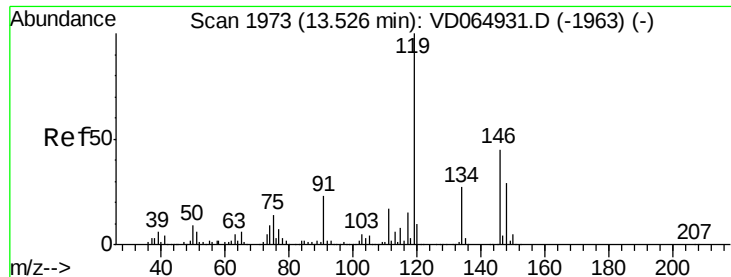
Tgt Ion:105 Resp: 1239404
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 59.09 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

Tgt Ion:119 Resp: 1183157
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.3 39.9
 91 22.6 11.4 34.2

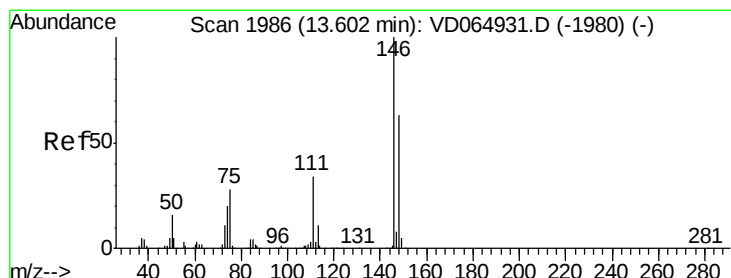
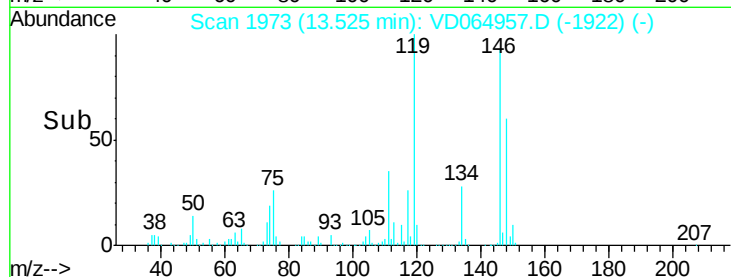
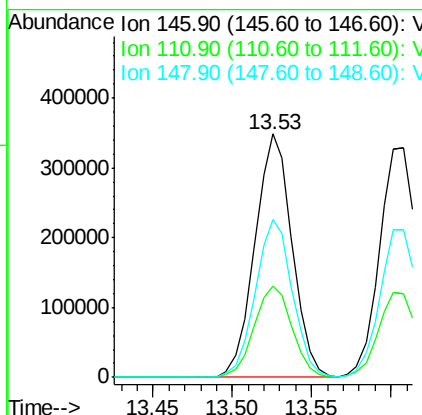
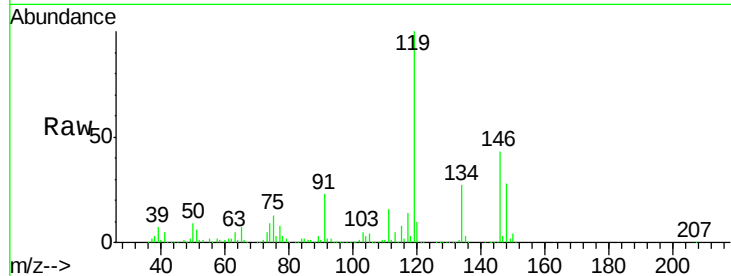




#87
 1,3-Dichlorobenzene
 Concen: 55.72 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

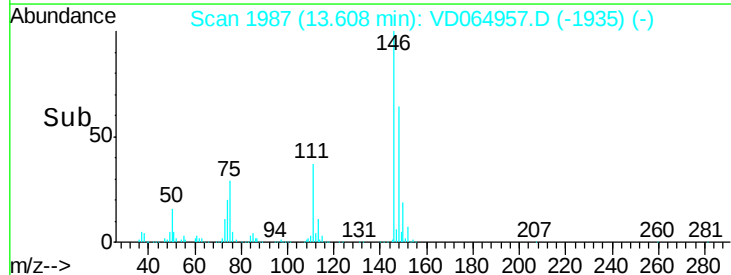
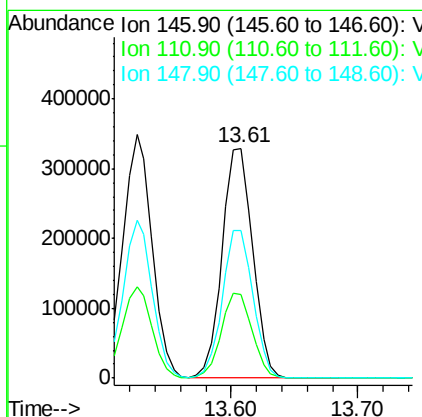
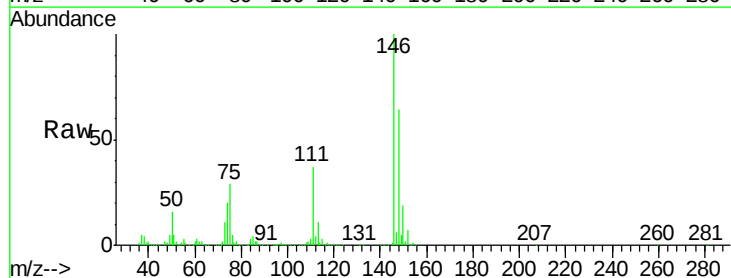
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

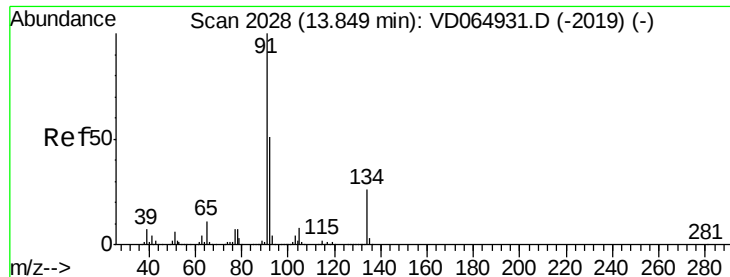
Tgt Ion:146 Resp: 568456
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.9 56.9
 148 64.5 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 54.44 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

Tgt Ion:146 Resp: 551252
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.2 54.6
 148 64.1 32.0 96.0





#89

n-Butylbenzene

Concen: 59.19 ug/l

RT: 13.85 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VD064957.D

Acq: 27 Jan 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

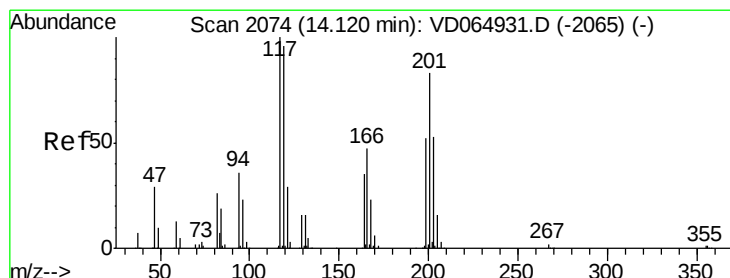
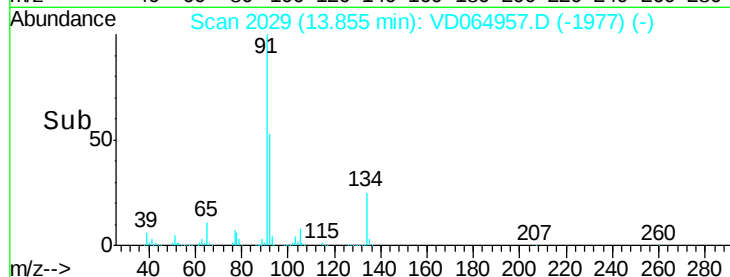
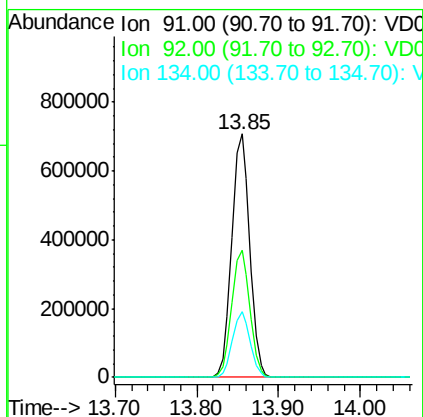
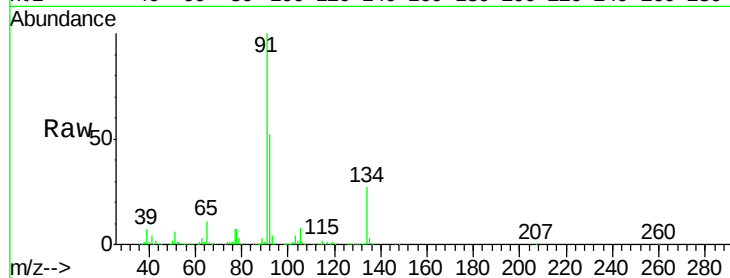
Tgt Ion: 91 Resp: 1081708

Ion Ratio Lower Upper

91 100

92 52.7 26.4 79.0

134 26.5 13.3 39.9



#90

Hexachloroethane

Concen: 56.53 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD064957.D

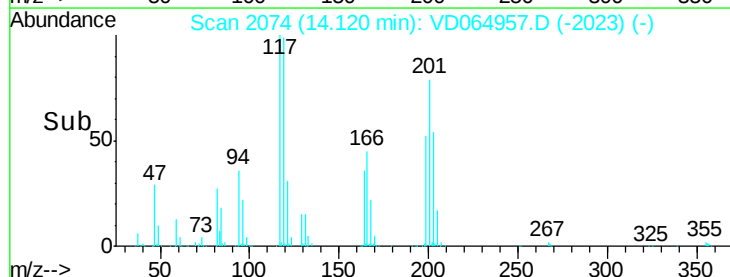
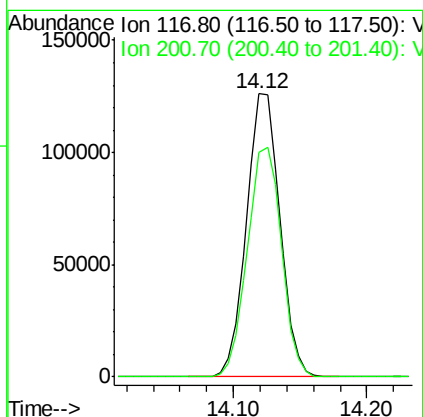
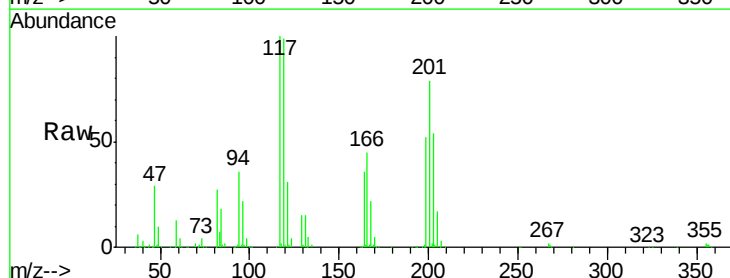
Acq: 27 Jan 2020 10:28

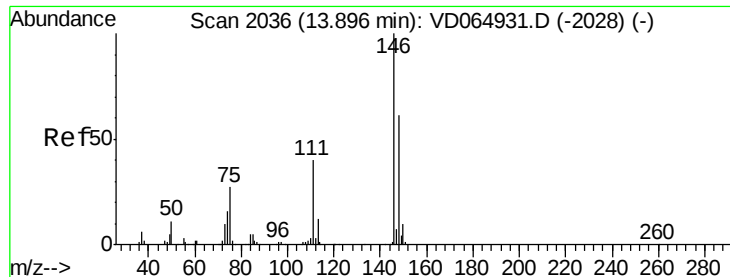
Tgt Ion: 117 Resp: 218273

Ion Ratio Lower Upper

117 100

201 82.7 41.1 123.3

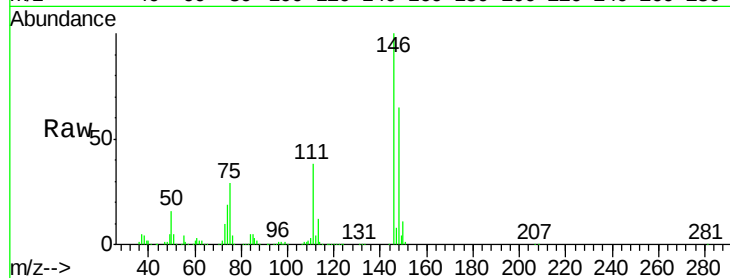




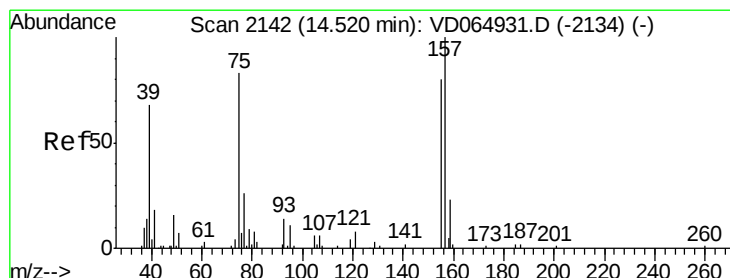
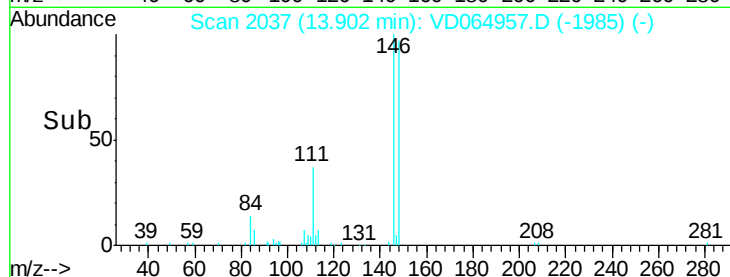
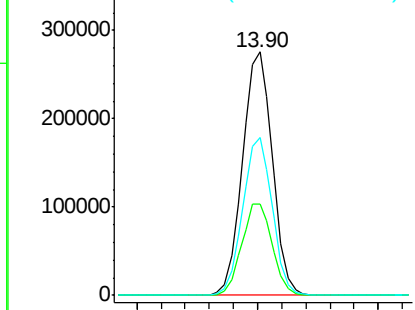
#91
 1,2-Dichlorobenzene
 Concen: 54.83 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 146 Resp: 474888
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.4 58.2
 148 64.0 31.6 95.0

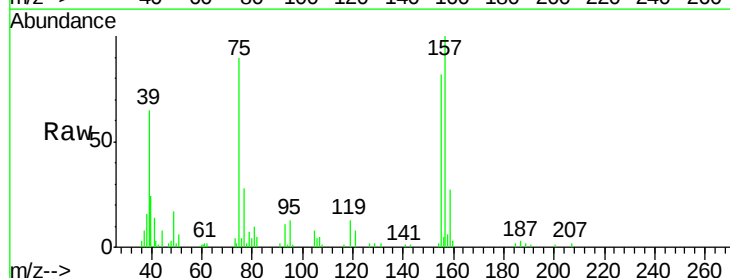


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

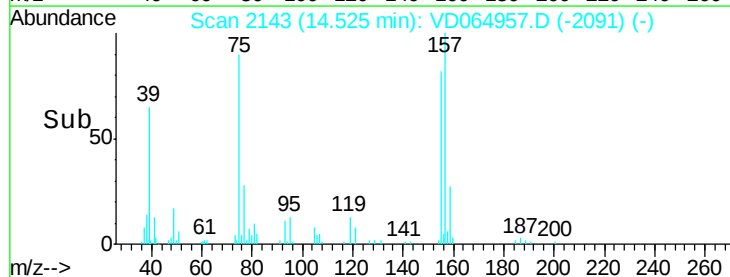
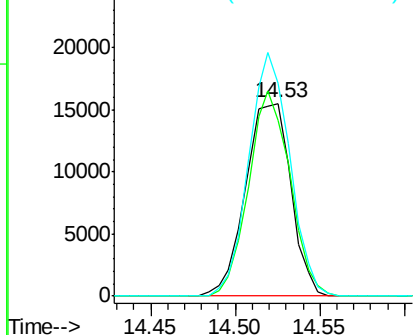


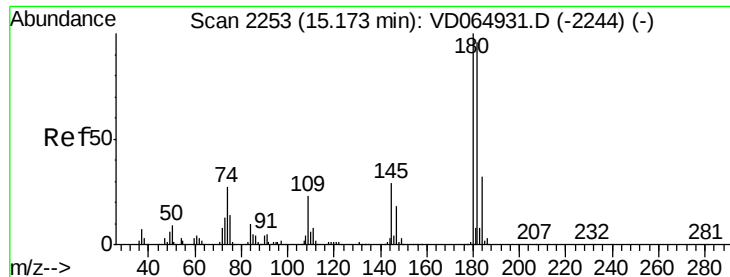
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.40 ug/l
 RT: 14.53 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

Tgt Ion: 75 Resp: 28876
 Ion Ratio Lower Upper
 75 100
 155 97.3 44.9 134.7
 157 114.1 58.9 176.6



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

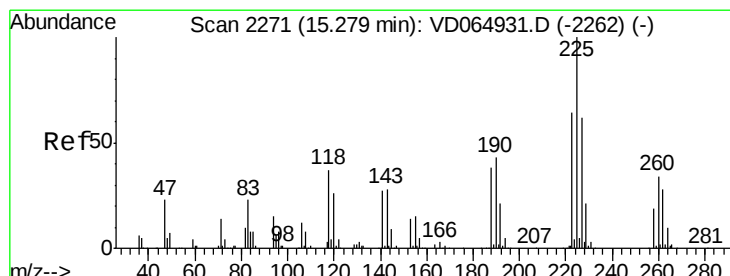
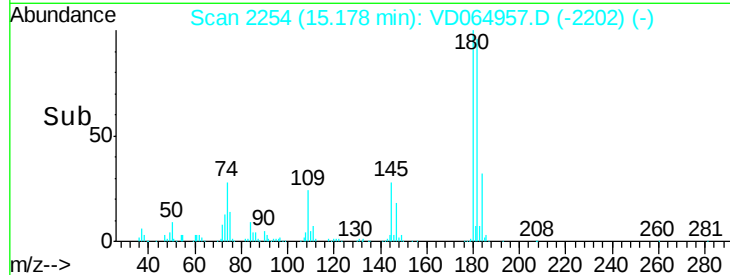
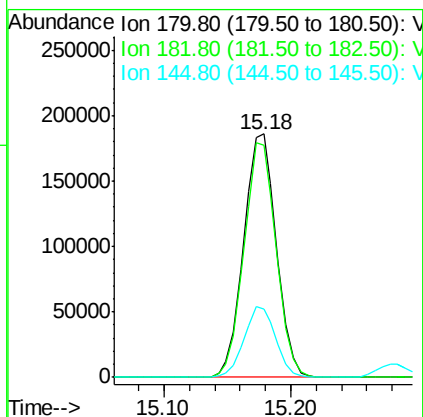
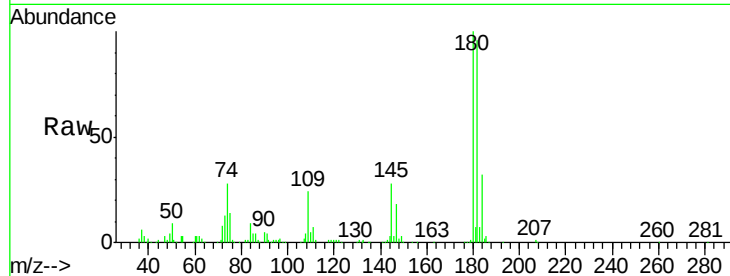




#93
 1,2,4-Trichlorobenzene
 Concen: 55.30 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

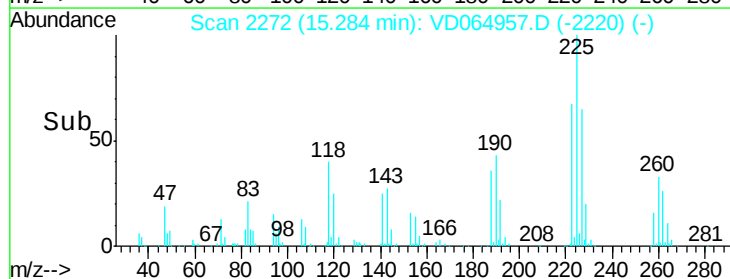
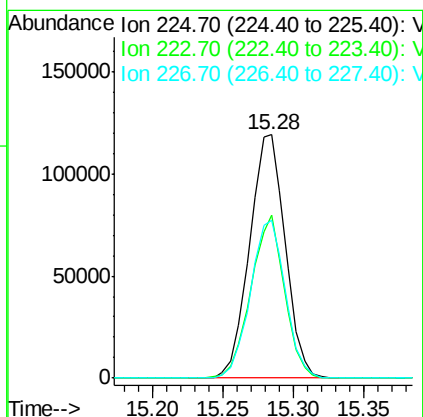
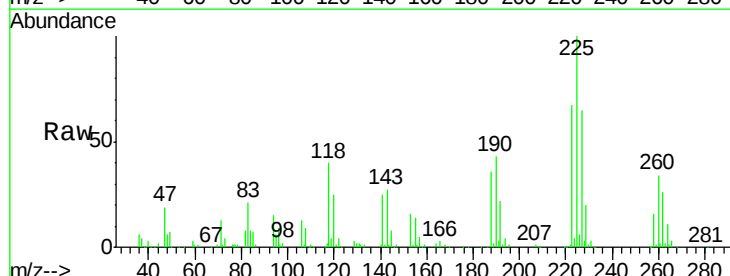
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

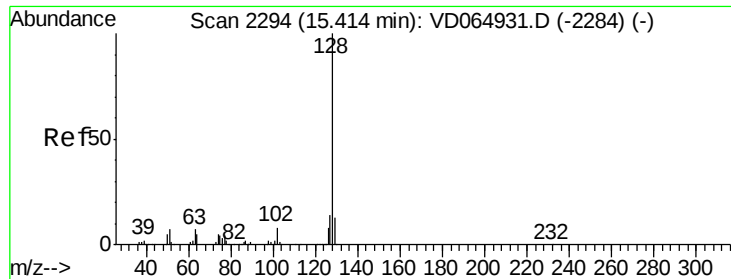
Tgt Ion:180 Resp: 331371
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.1 141.4
 145 28.2 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 55.58 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064957.D
 Acq: 27 Jan 2020 10:28

Tgt Ion:225 Resp: 210637
 Ion Ratio Lower Upper
 225 100
 223 63.0 32.4 97.2
 227 63.9 31.9 95.9

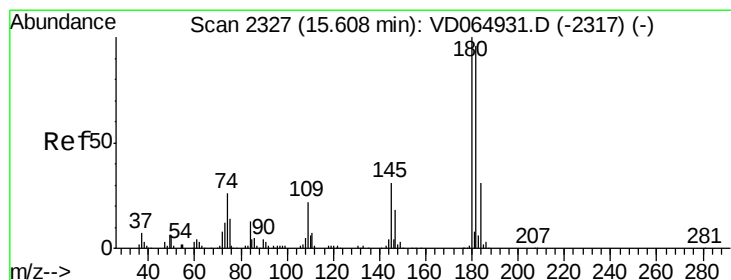
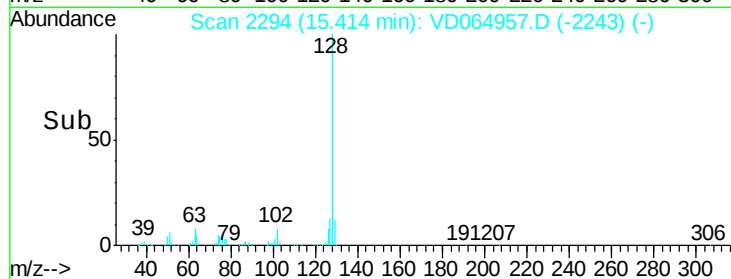
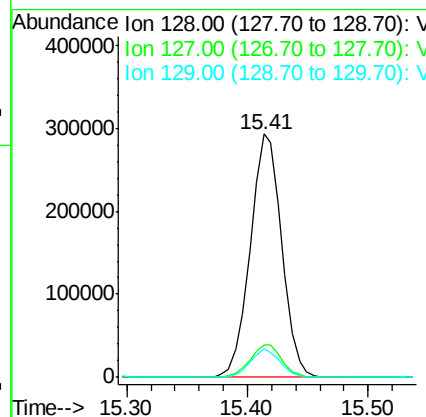
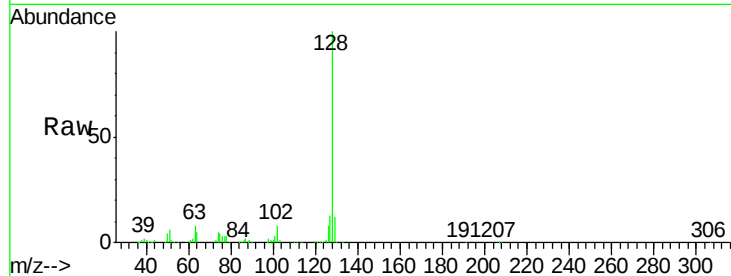




#95
Naphthalene
Concen: 54.90 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 530867
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 11.0 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 53.72 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD064957.D
Acq: 27 Jan 2020 10:28

Tgt Ion:180 Resp: 279117
Ion Ratio Lower Upper
180 100
182 96.4 47.3 141.8
145 30.7 14.6 43.8

