

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD030220\
 Data File : VD065369.D
 Acq On : 02 Mar 2020 10:04
 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: Mar 02 11:54:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	467406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	664078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	597185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	296869	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	190808	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	
35) Dibromofluoromethane	7.92	113	207144	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.34	98	822042	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	
62) 4-Bromofluorobenzene	12.64	95	265797	54.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	193267	49.30	ug/l	98
3) Chloromethane	2.21	50	224487	44.99	ug/l	100
4) Vinyl Chloride	2.36	62	229654	45.26	ug/l	97
5) Bromomethane	2.77	94	139170	45.36	ug/l	95
6) Chloroethane	2.93	64	143562	46.35	ug/l	98
7) Trichlorofluoromethane	3.28	101	353901	48.72	ug/l	98
8) Diethyl Ether	3.71	74	99459	45.36	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	226449	49.36	ug/l	98
10) Methyl Iodide	4.30	142	239192	50.22	ug/l	99
11) Tert butyl alcohol	5.24	59	48963	194.87	ug/l	97
12) 1,1-Dichloroethene	4.06	96	208306	48.07	ug/l	94
13) Acrolein	3.93	56	69088	221.09	ug/l	99
14) Allyl chloride	4.71	41	327042	46.47	ug/l	98
15) Acrylonitrile	5.43	53	209952	216.26	ug/l	100
16) Acetone	4.16	43	271562	264.20	ug/l	99
17) Carbon Disulfide	4.40	76	660294	45.45	ug/l	99
18) Methyl Acetate	4.72	43	96466	41.73	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	404718	44.78	ug/l	98
20) Methylene Chloride	4.96	84	231355	50.62	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	236554	48.02	ug/l	98
22) Diisopropyl ether	6.37	45	643115	47.41	ug/l	99
23) Vinyl Acetate	6.31	43	1719918	229.96	ug/l	100
24) 1,1-Dichloroethane	6.27	63	397414	47.23	ug/l	98
25) 2-Butanone	7.22	43	291572	224.20	ug/l	99
26) 2,2-Dichloropropane	7.21	77	360235	49.34	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	250887	48.08	ug/l	99
28) Bromochloromethane	7.55	49	156704	50.20	ug/l	99
29) Tetrahydrofuran	7.57	42	161697	212.21	ug/l	99
30) Chloroform	7.71	83	401886	47.41	ug/l	100
31) Cyclohexane	7.98	56	381775	46.18	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	373042	49.18	ug/l	99
36) 1,1-Dichloropropene	8.11	75	330519	51.15	ug/l	99
37) Ethyl Acetate	7.30	43	113764	42.12	ug/l	99
38) Carbon Tetrachloride	8.10	117	346000	52.60	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	404878	53.30	ug/l	97
40) Benzene	8.36	78	927100	50.83	ug/l	99
41) Methacrylonitrile	7.53	41	57690	36.99	ug/l	88
42) 1,2-Dichloroethane	8.43	62	235584	46.99	ug/l	98
43) Isopropyl Acetate	8.46	43	213204	43.40	ug/l	97
44) Trichloroethene	9.11	130	261423	51.71	ug/l	97
45) 1,2-Dichloropropane	9.39	63	225040	49.62	ug/l	99
46) Dibromomethane	9.48	93	113286	48.55	ug/l	99
47) Bromodichloromethane	9.67	83	304427	49.51	ug/l	95
48) Methyl methacrylate	9.46	41	101823	44.85	ug/l	95
49) 1,4-Dioxane	9.47	88	25391	927.79	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	566482	227.06	ug/l	100
52) Toluene	10.41	92	596779	52.86	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	279133	48.97	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	345137	50.14	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	161756	49.25	ug/l	98
56) Ethyl methacrylate	10.67	69	185727	48.99	ug/l	96
57) 1,3-Dichloropropane	10.95	76	276267	49.42	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	281410	235.47	ug/l	99
59) 2-Hexanone	10.99	43	465028	260.38	ug/l	96
60) Dibromochloromethane	11.14	129	208474	49.59	ug/l	100
61) 1,2-Dibromoethane	11.25	107	148316	47.70	ug/l	99
64) Tetrachloroethene	10.88	164	226501	53.48	ug/l	98
65) Chlorobenzene	11.67	112	621090	51.83	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	228169	51.02	ug/l	99
67) Ethyl Benzene	11.75	91	1128925	53.79	ug/l	99
68) m/p-Xylenes	11.86	106	869586	108.29	ug/l	98
69) o-Xylene	12.18	106	383837	53.95	ug/l	99
70) Styrene	12.20	104	682911	54.07	ug/l	99
71) Bromoform	12.37	173	121853	49.10	ug/l	# 100
73) Isopropylbenzene	12.48	105	1077782	54.84	ug/l	100
74) N-amyl acetate	12.30	43	195937	44.87	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	164739	46.44	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	213607	84.57	ug/l	# 100
77) Bromobenzene	12.77	156	248396	50.90	ug/l	98
78) n-propylbenzene	12.83	91	1293607	54.77	ug/l	99
79) 2-Chlorotoluene	12.91	91	697125	52.69	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	885375	54.69	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	53103	45.39	ug/l	94
82) 4-Chlorotoluene	13.01	91	727801	51.81	ug/l	99
83) tert-Butylbenzene	13.23	119	748933	55.20	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	879612	54.29	ug/l	100
85) sec-Butylbenzene	13.41	105	1073199	54.90	ug/l	100
86) p-Isopropyltoluene	13.53	119	986713	55.19	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	483054	51.20	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	477380	51.27	ug/l	99
89) n-Butylbenzene	13.86	91	924562	56.12	ug/l	100
90) Hexachloroethane	14.12	117	193105	53.20	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	411611	50.81	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	24869	45.50	ug/l	94

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Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
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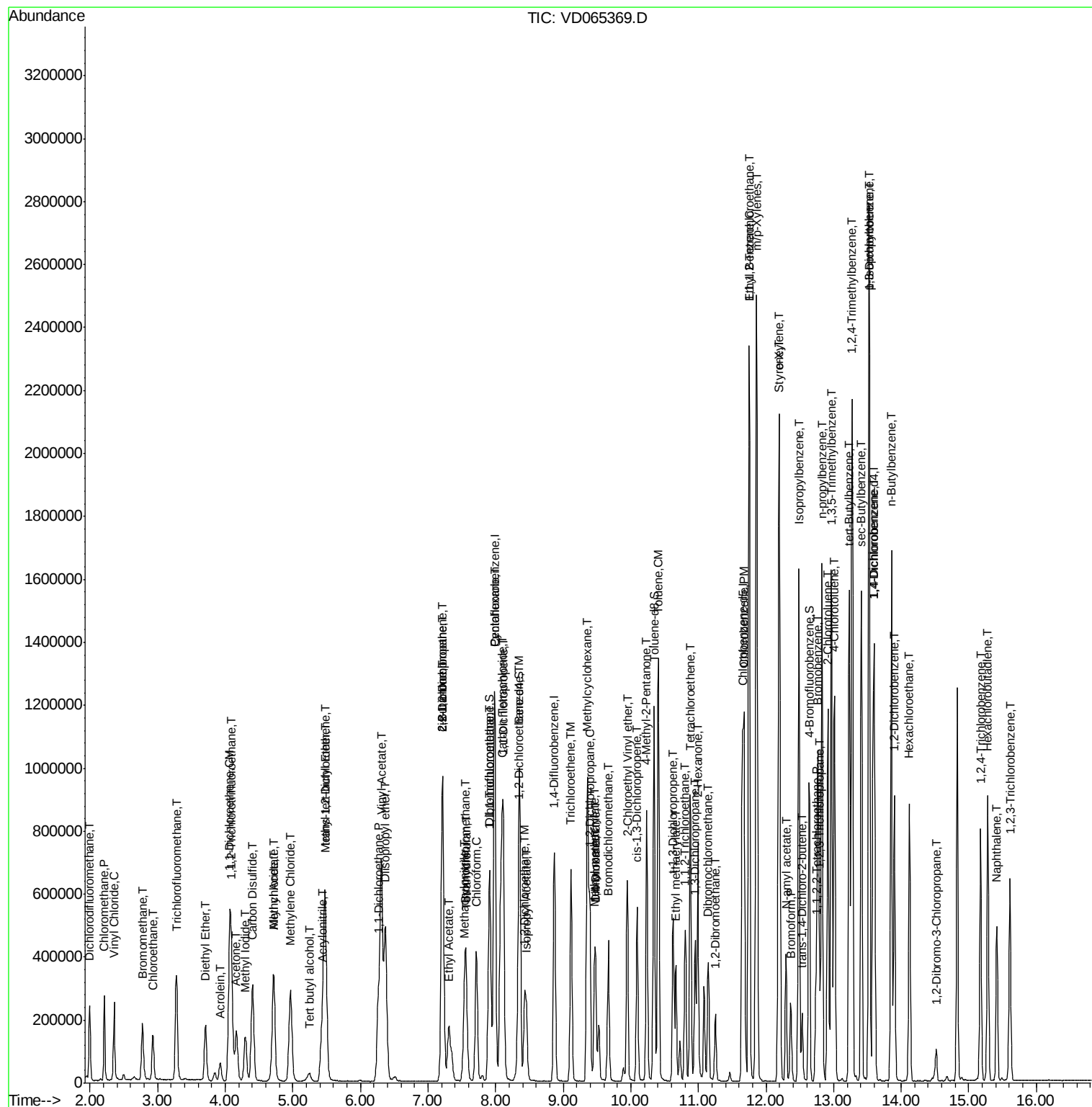
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	286415	54.05	ug/l	100
94) Hexachlorobutadiene	15.28	225	186885	54.98	ug/l	99
95) Naphthalene	15.41	128	439254	50.99	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	241023	52.08	ug/l	98

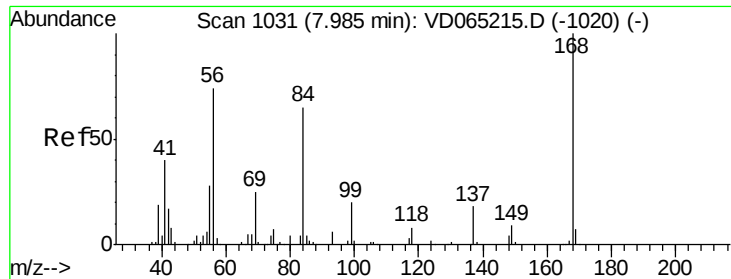
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

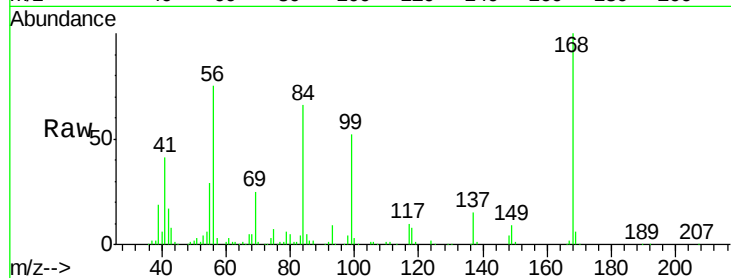
VSTDCCC050

Tgt Ion:168 Resp: 467406

Ion Ratio Lower Upper

168 100

99 51.3 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

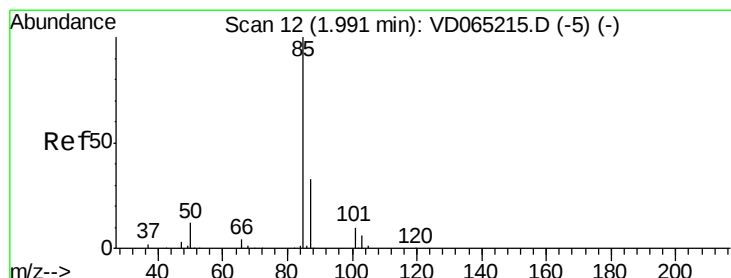
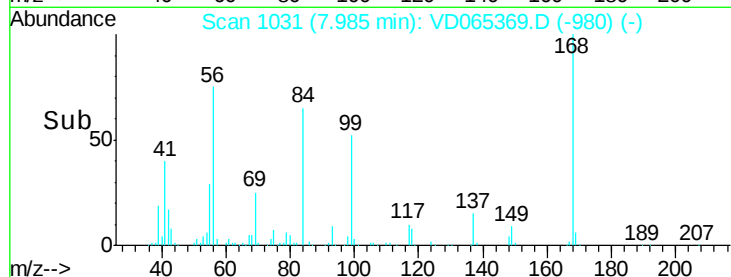
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.30 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065369.D

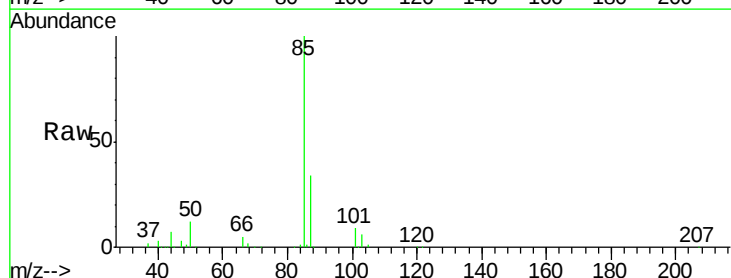
Acq: 02 Mar 2020 10:04

Tgt Ion: 85 Resp: 193267

Ion Ratio Lower Upper

85 100

87 33.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

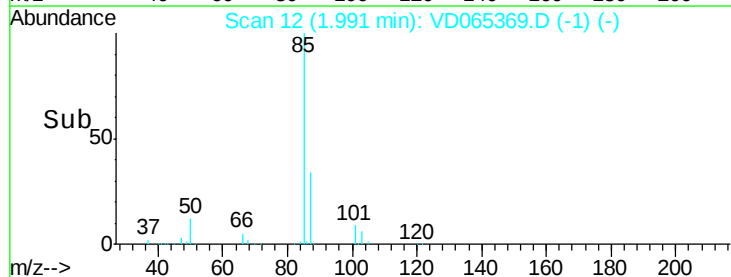
100000

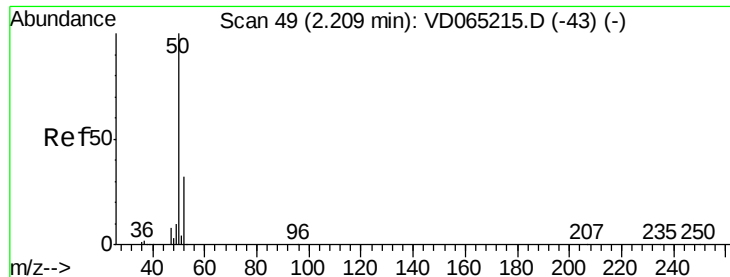
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 44.99 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

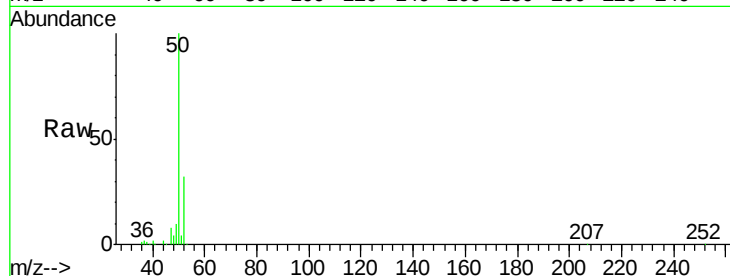
VSTDCCC050

Tgt Ion: 50 Resp: 224487

Ion Ratio Lower Upper

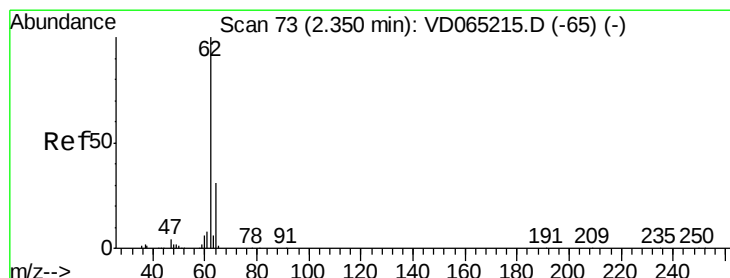
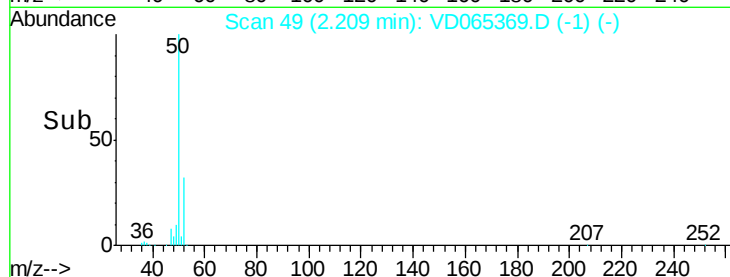
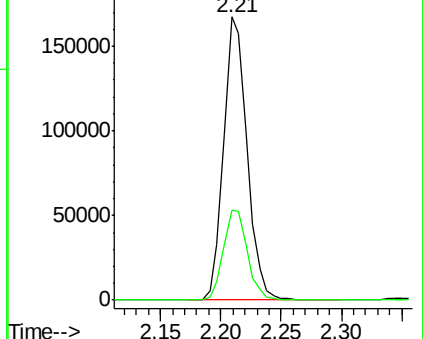
50 100

52 31.9 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.26 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065369.D

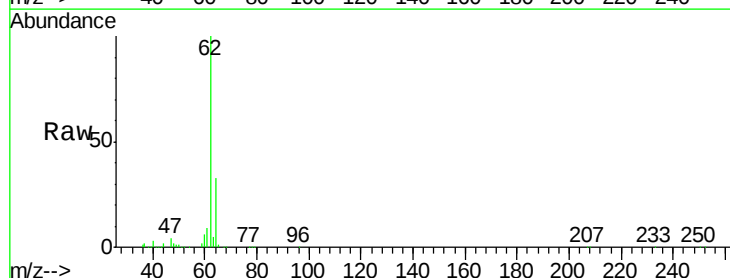
Acq: 02 Mar 2020 10:04

Tgt Ion: 62 Resp: 229654

Ion Ratio Lower Upper

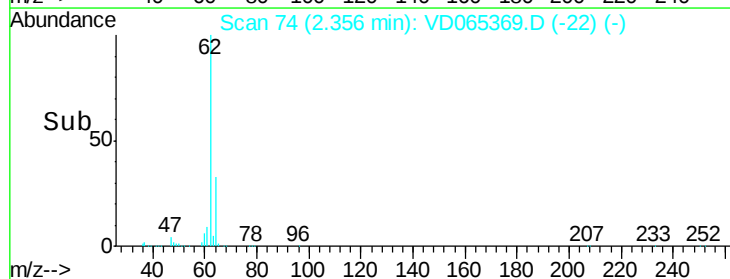
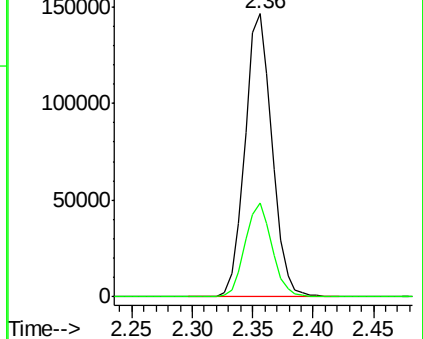
62 100

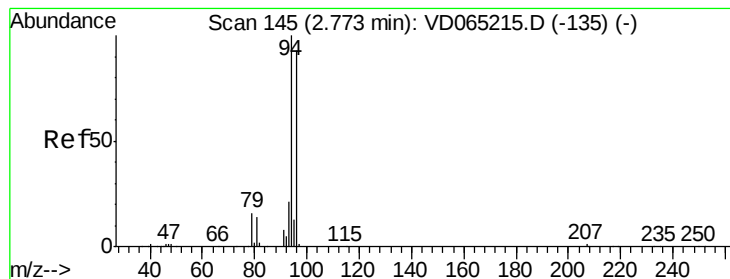
64 33.0 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 45.36 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

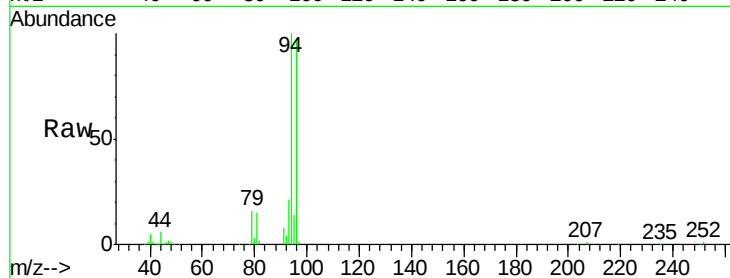
VSTDCCC050

Tgt Ion: 94 Resp: 139170

Ion Ratio Lower Upper

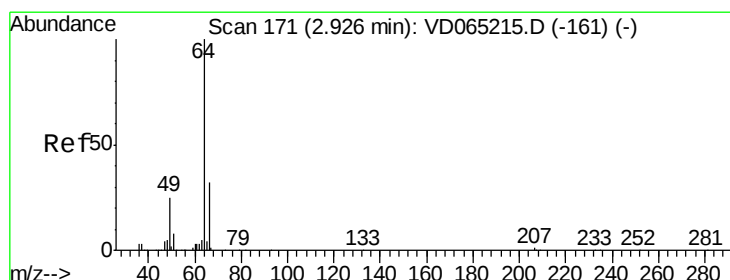
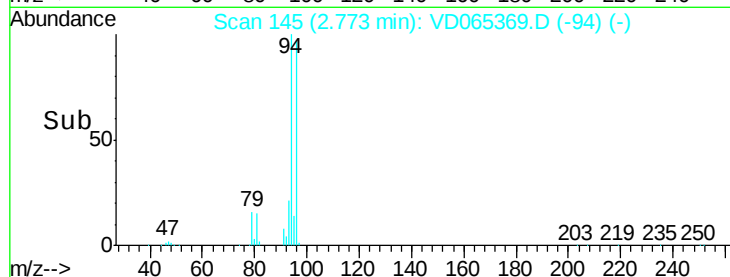
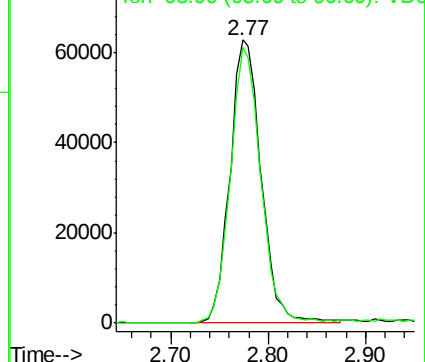
94 100

96 97.2 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 46.35 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065369.D

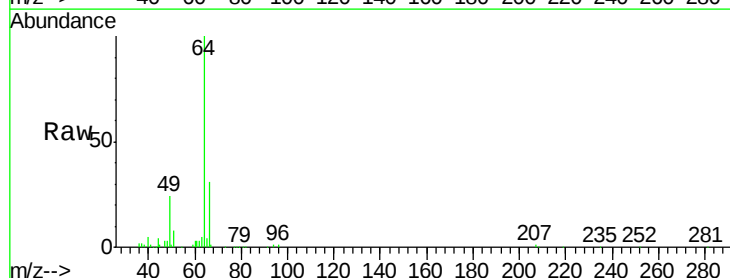
Acq: 02 Mar 2020 10:04

Tgt Ion: 64 Resp: 143562

Ion Ratio Lower Upper

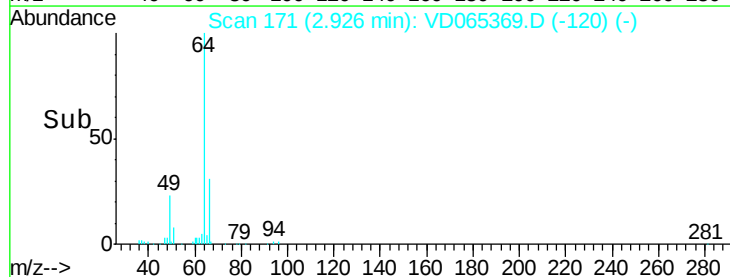
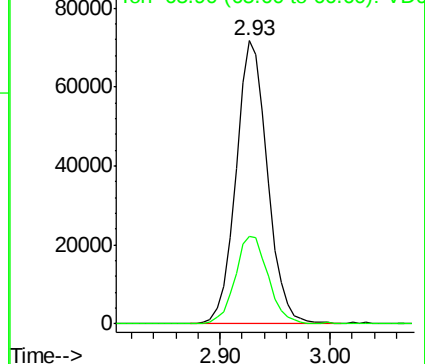
64 100

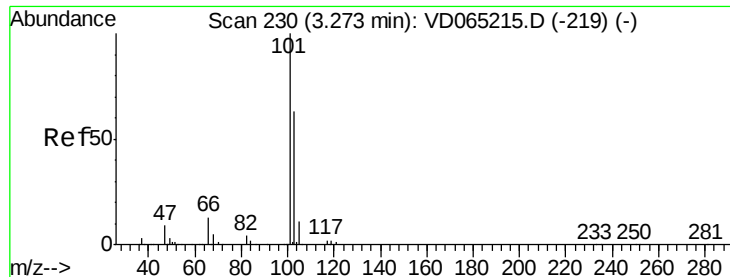
66 31.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



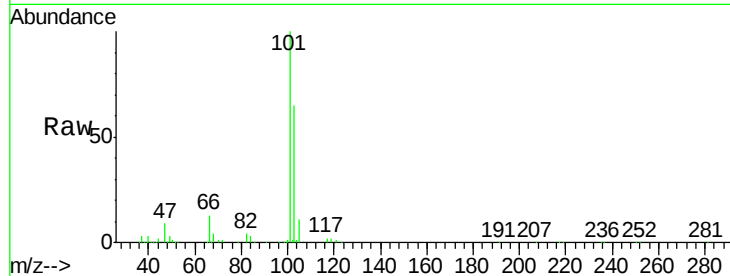


#7

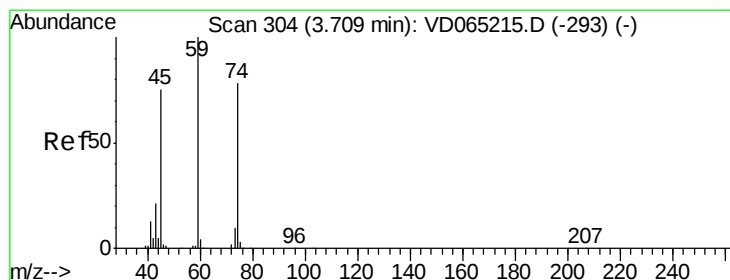
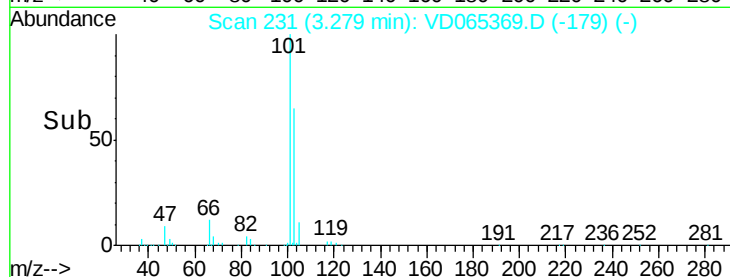
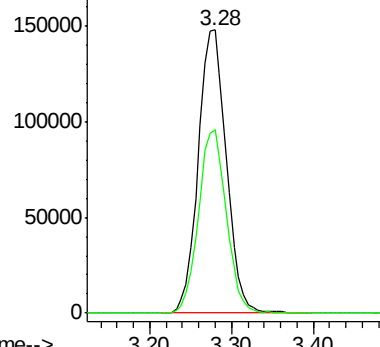
Trichlorofluoromethane
 Concen: 48.72 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD065369.D
 Acq: 02 Mar 2020 10:04

Instrument :
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 ClientSampleId :
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Tgt Ion:101 Resp: 353901
 Ion Ratio Lower Upper
 101 100
 103 64.7 50.7 76.1



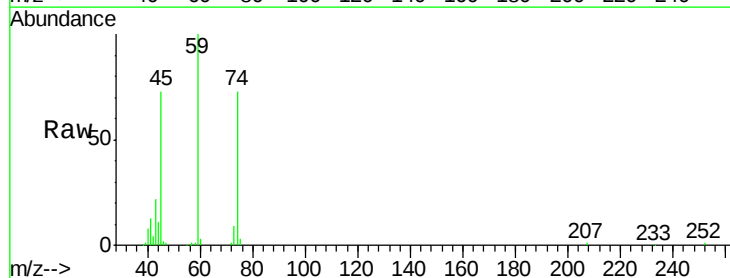
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



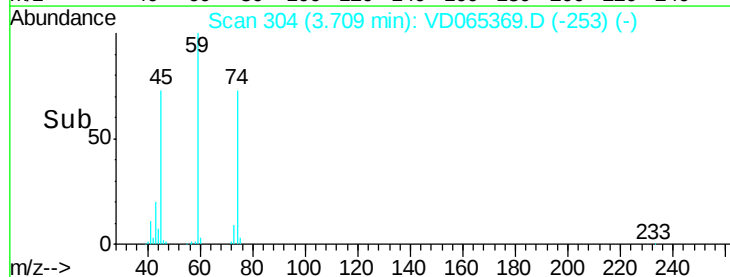
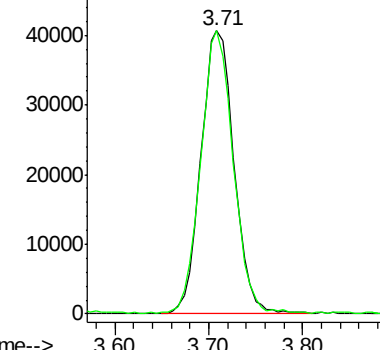
#8

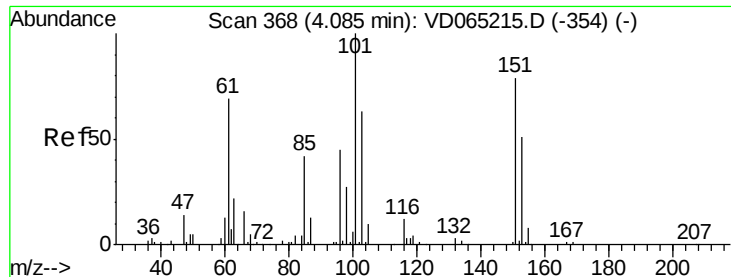
Diethyl Ether
 Concen: 45.36 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065369.D
 Acq: 02 Mar 2020 10:04

Tgt Ion: 74 Resp: 99459
 Ion Ratio Lower Upper
 74 100
 45 98.5 50.0 149.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.36 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

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VSTDCCC050

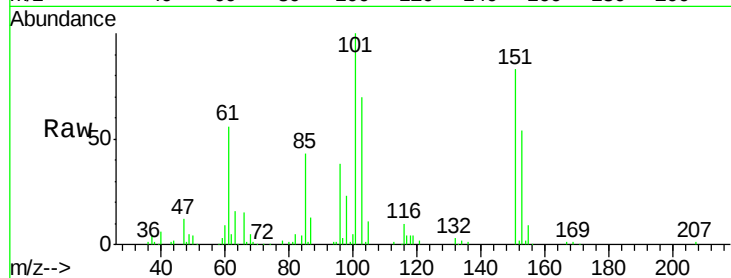
Tgt Ion:101 Resp: 226449

Ion Ratio Lower Upper

101 100

85 42.0 34.2 51.2

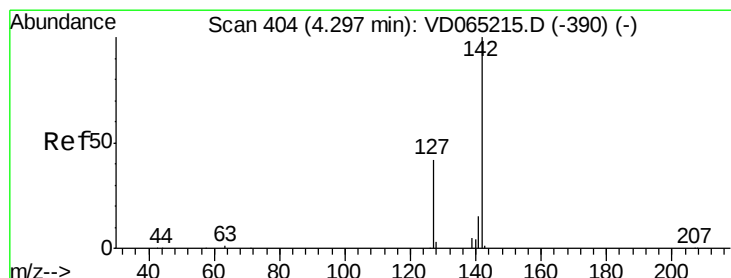
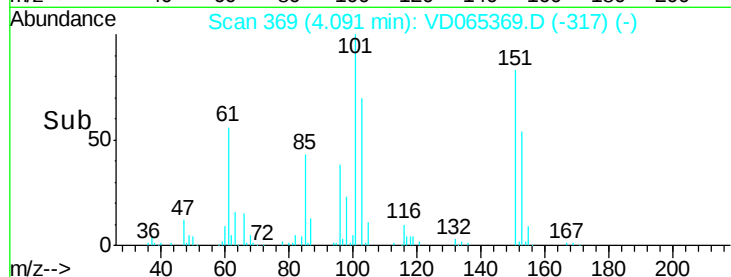
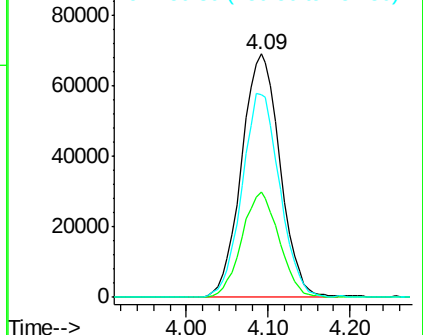
151 81.9 63.5 95.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.22 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

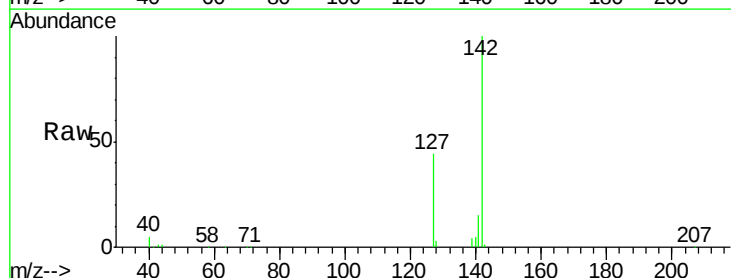
Tgt Ion:142 Resp: 239192

Ion Ratio Lower Upper

142 100

127 43.2 33.8 50.8

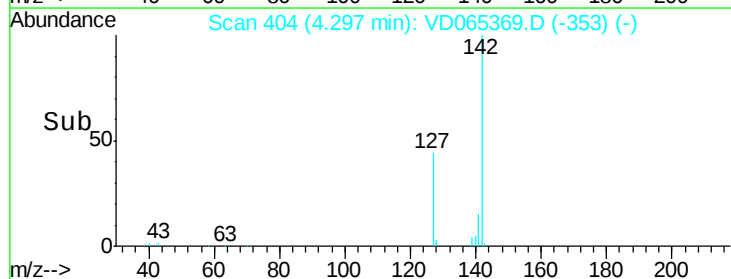
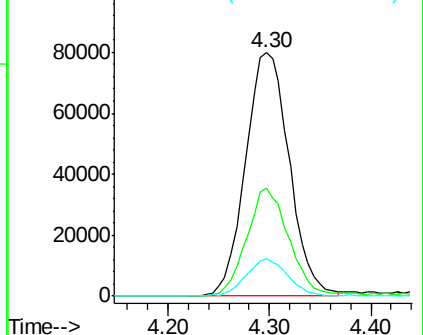
141 14.6 11.7 17.5

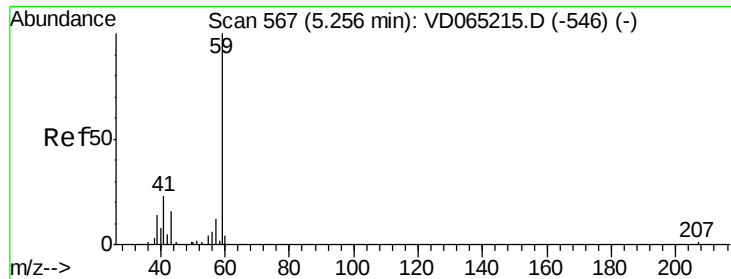


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

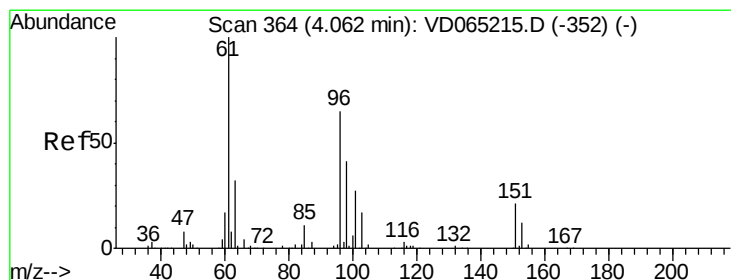
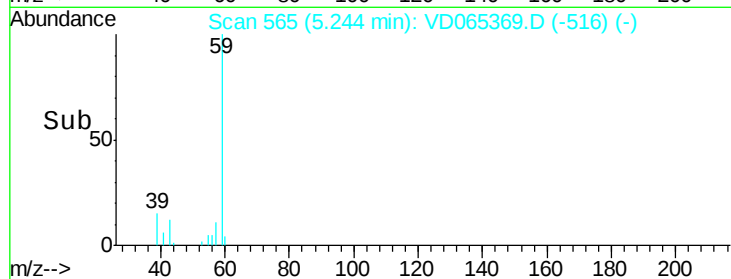
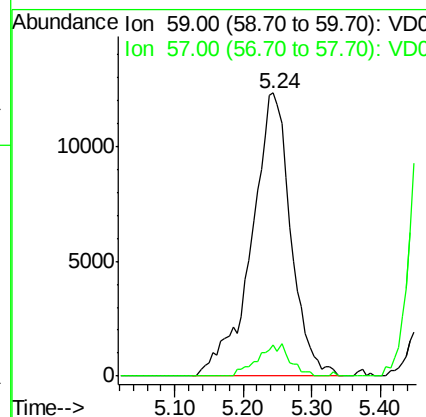
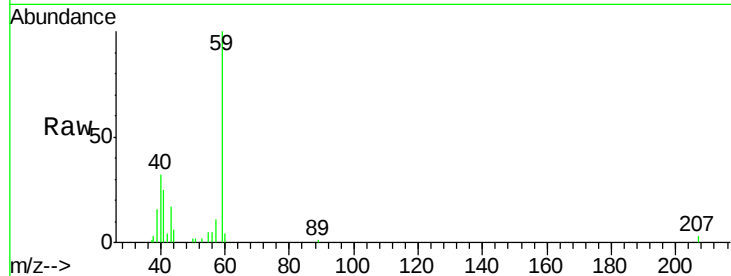




#11
Tert butyl alcohol
Concen: 194.87 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065369.D
Acq: 02 Mar 2020 10:04

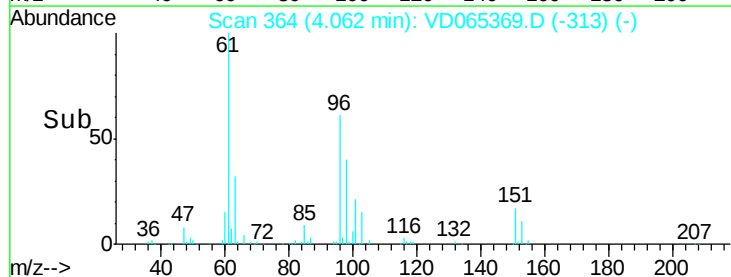
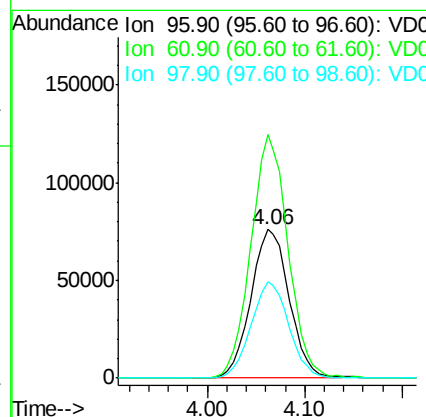
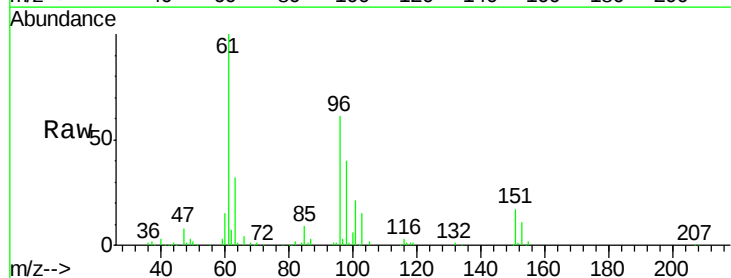
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

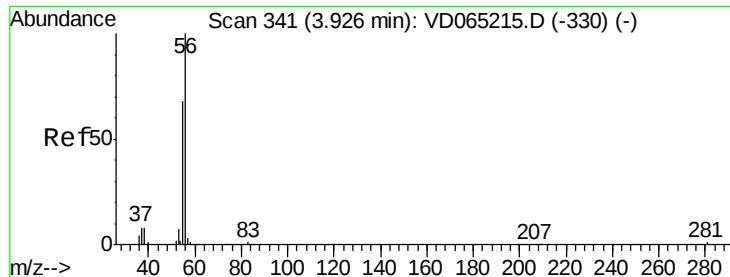
Tgt Ion: 59 Resp: 48963
Ion Ratio Lower Upper
59 100
57 9.3 8.4 12.6



#12
1,1-Dichloroethene
Concen: 48.07 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065369.D
Acq: 02 Mar 2020 10:04

Tgt Ion: 96 Resp: 208306
Ion Ratio Lower Upper
96 100
61 163.6 123.3 184.9
98 64.7 51.0 76.4





#13

Acrolein

Concen: 221.09 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

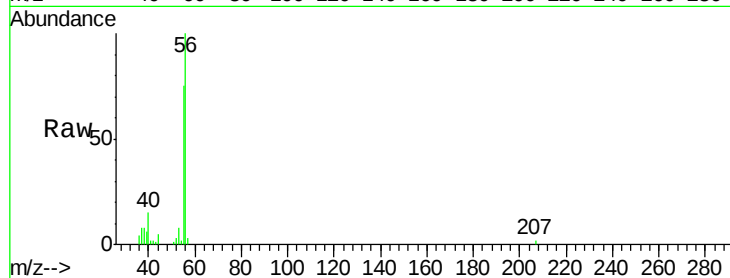
VSTDCCC050

Tgt Ion: 56 Resp: 69088

Ion Ratio Lower Upper

56 100

55 71.7 56.6 85.0

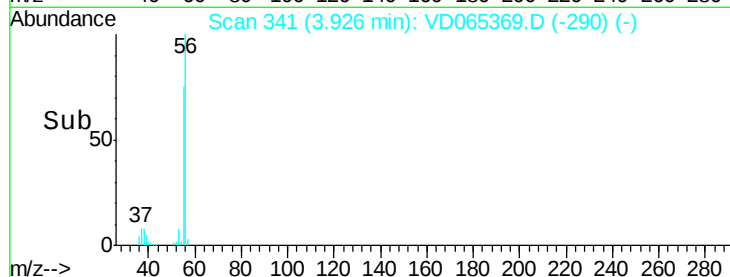


Abundance Ion 56.00 (55.70 to 56.70): VDC

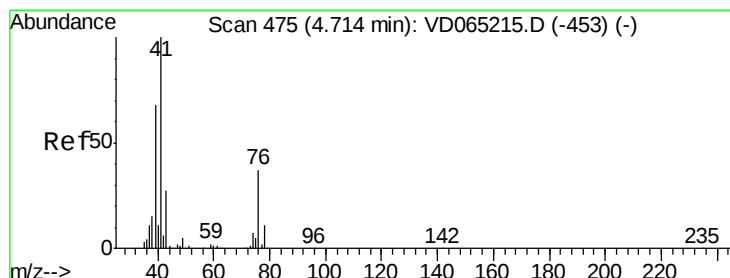
Ion 55.00 (54.70 to 55.70): VDC

3.93

Time-->



Time-->



#14

Allyl chloride

Concen: 46.47 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

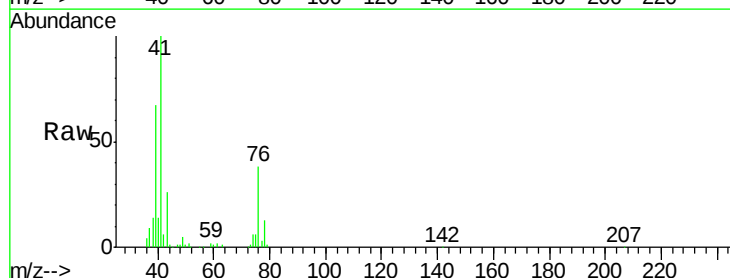
Tgt Ion: 41 Resp: 327042

Ion Ratio Lower Upper

41 100

39 65.7 53.8 80.6

76 37.0 28.7 43.1



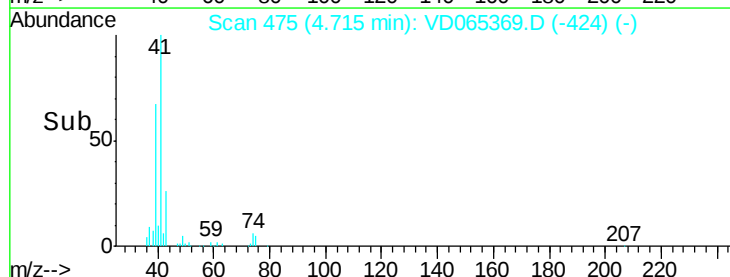
Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

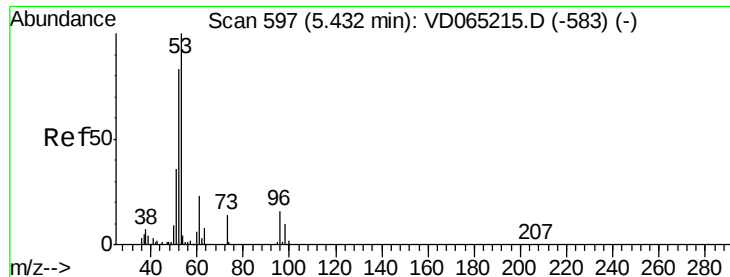
Ion 75.90 (75.60 to 76.60): VDC

4.71

Time-->



Time-->



#15

Acrylonitrile

Concen: 216.26 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

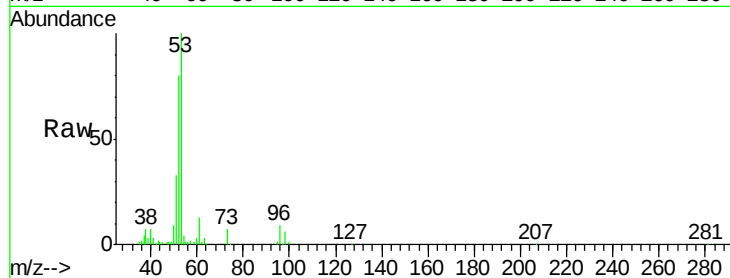
Tgt Ion: 53 Resp: 209952

Ion Ratio Lower Upper

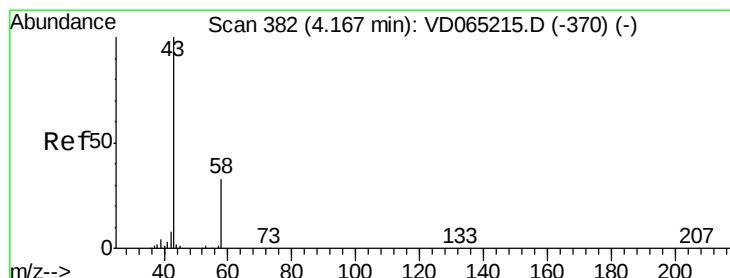
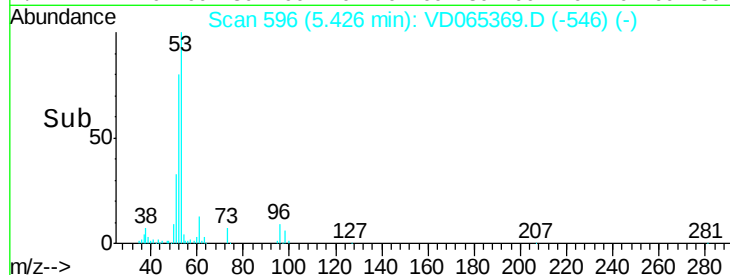
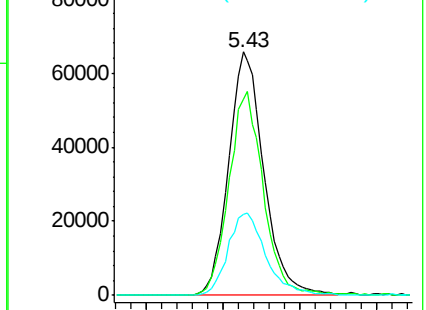
53 100

52 81.8 65.4 98.2

51 36.4 29.5 44.3



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



#16

Acetone

Concen: 264.20 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065369.D

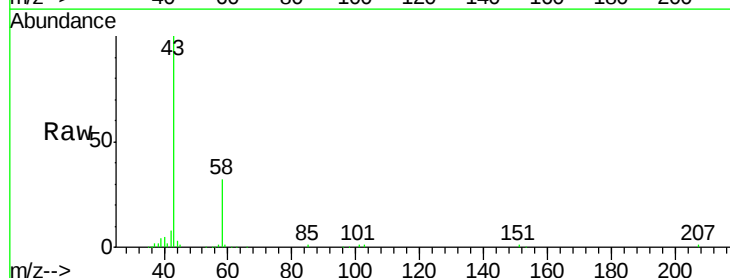
Acq: 02 Mar 2020 10:04

Tgt Ion: 43 Resp: 271562

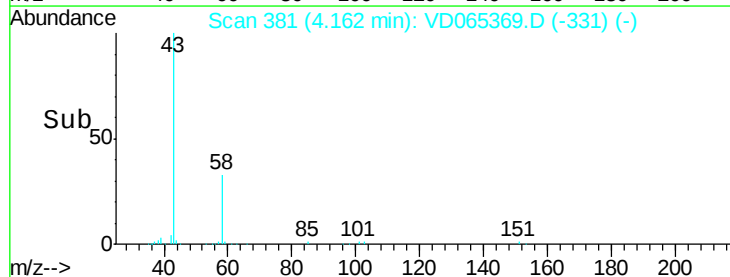
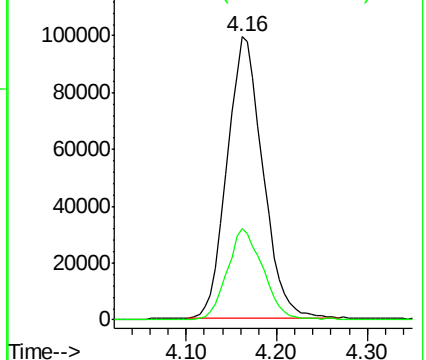
Ion Ratio Lower Upper

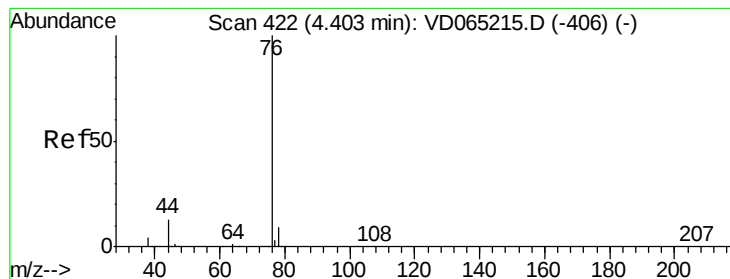
43 100

58 32.3 26.2 39.2



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





#17

Carbon Disulfide

Concen: 45.45 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

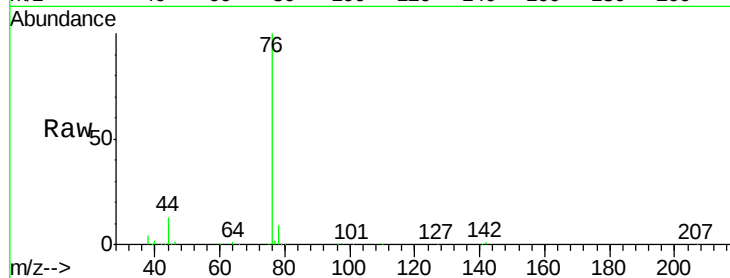
VSTDCCC050

Tgt Ion: 76 Resp: 660294

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

250000

200000

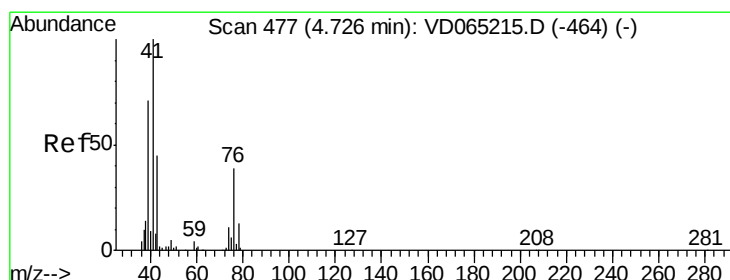
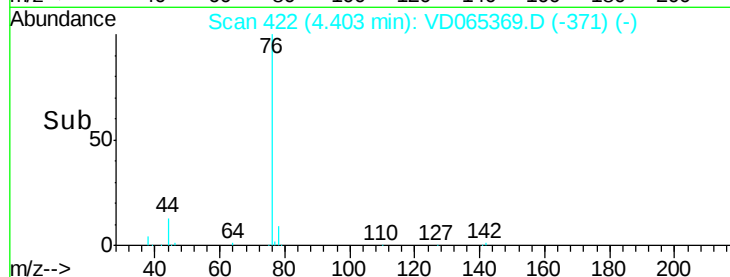
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 41.73 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065369.D

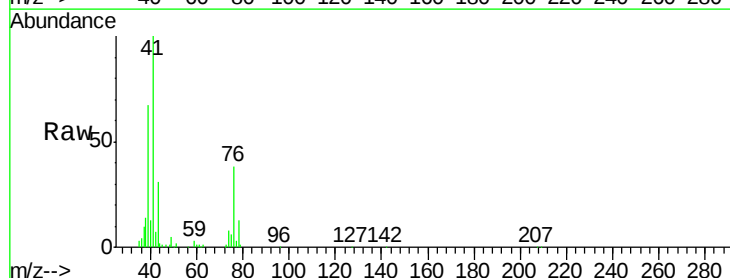
Acq: 02 Mar 2020 10:04

Tgt Ion: 43 Resp: 96466

Ion Ratio Lower Upper

43 100

74 23.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

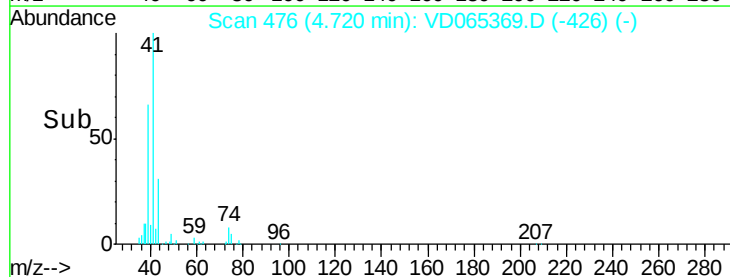
30000

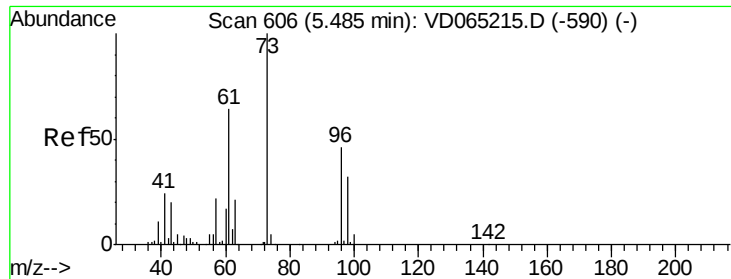
20000

10000

0

Time-->

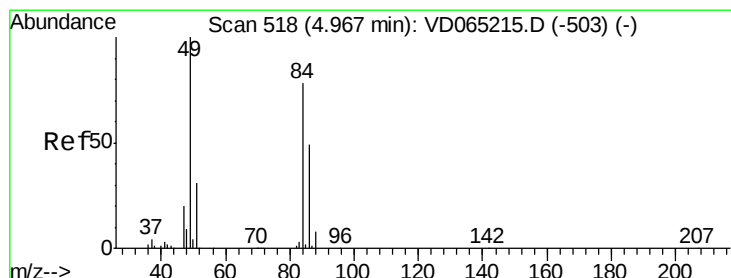
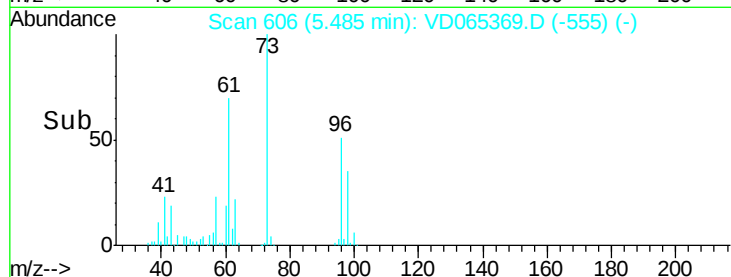
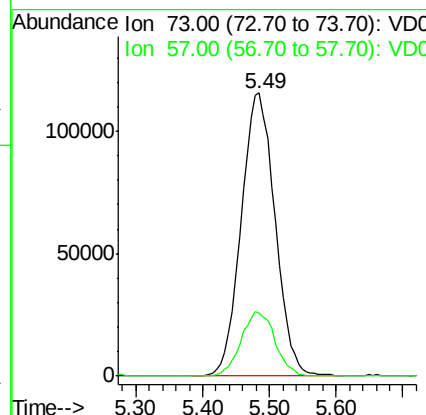
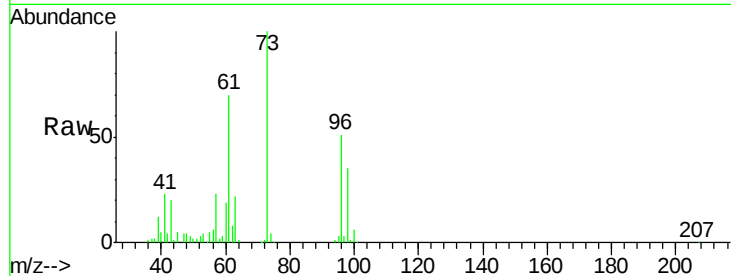




#19
Methyl tert-butyl Ether
Concen: 44.78 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065369.D
Acq: 02 Mar 2020 10:04

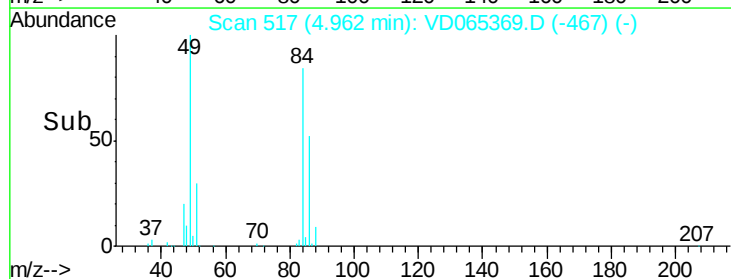
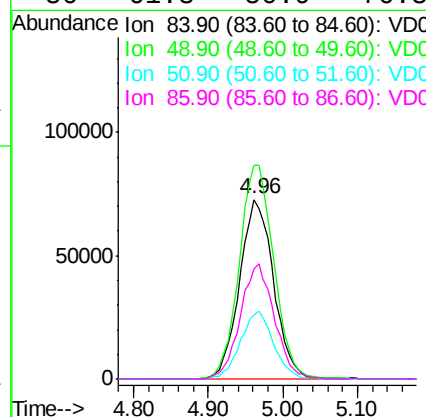
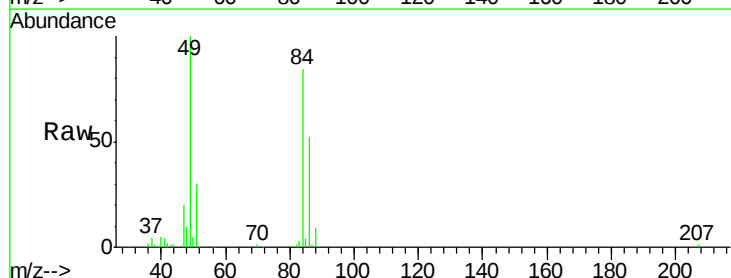
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

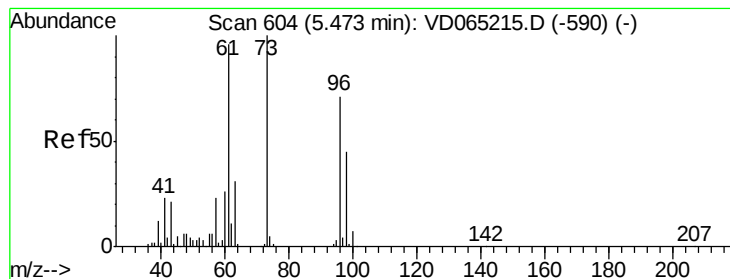
Tgt Ion: 73 Resp: 404718
Ion Ratio Lower Upper
73 100
57 22.6 17.3 25.9



#20
Methylene Chloride
Concen: 50.62 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065369.D
Acq: 02 Mar 2020 10:04

Tgt Ion: 84 Resp: 231355
Ion Ratio Lower Upper
84 100
49 118.9 103.1 154.7
51 36.0 31.7 47.5
86 61.3 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 48.02 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

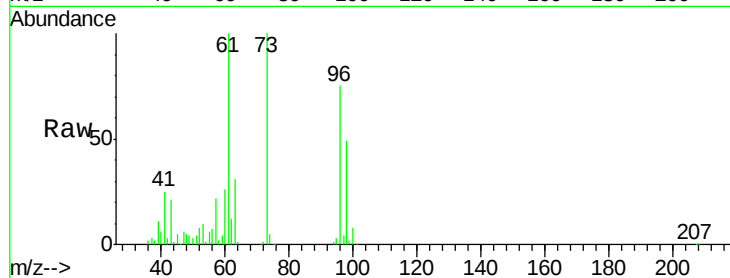
Tgt Ion: 96 Resp: 236554

Ion Ratio Lower Upper

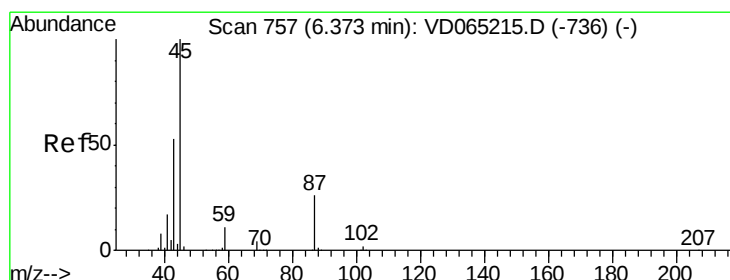
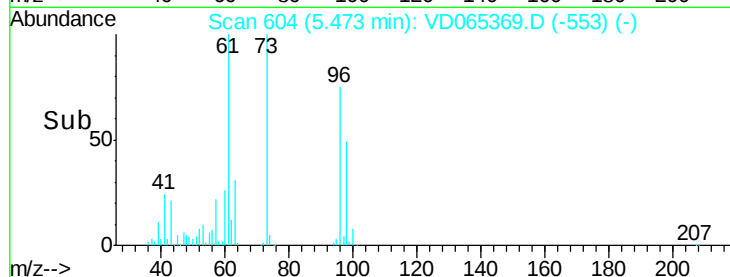
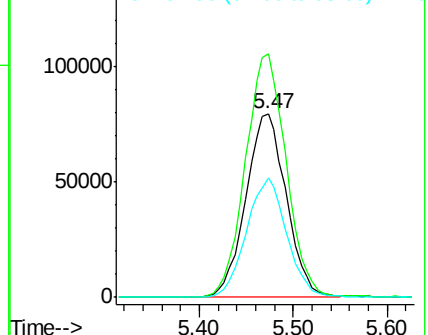
96 100

61 132.5 108.3 162.5

98 64.8 50.7 76.1



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



#22

Diisopropyl ether

Concen: 47.41 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Tgt Ion: 45 Resp: 643115

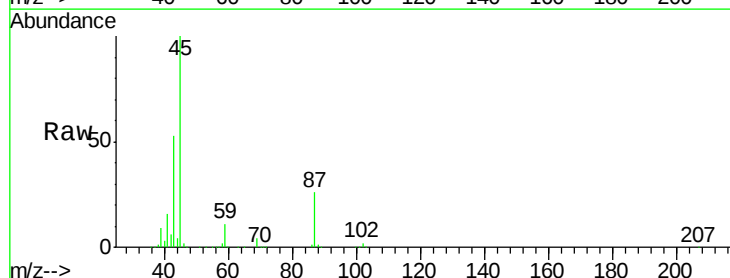
Ion Ratio Lower Upper

45 100

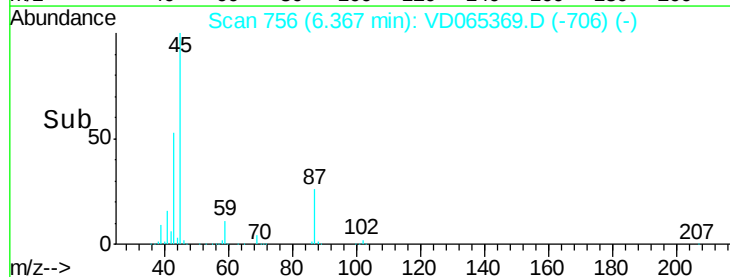
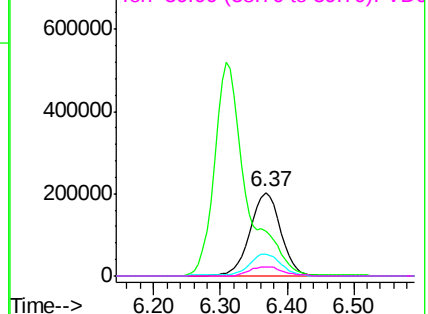
43 52.2 42.6 64.0

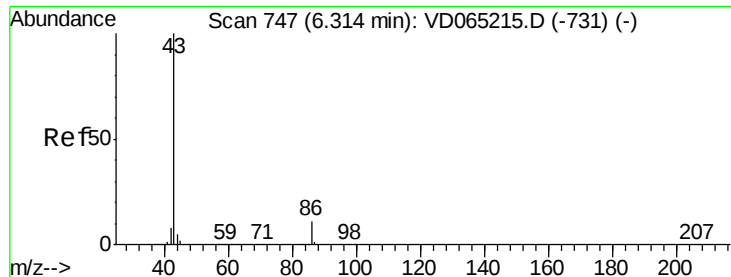
87 26.0 21.2 31.8

59 10.6 8.9 13.3



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





#23

Vinyl Acetate

Concen: 229.96 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

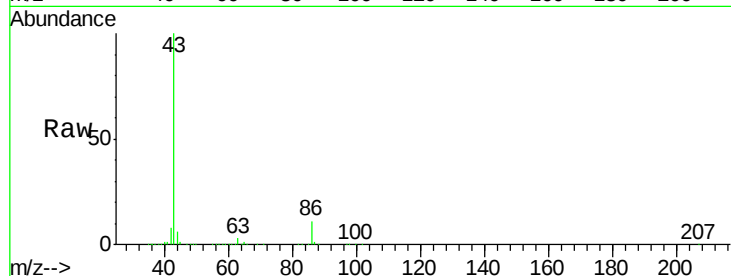
VSTDCCC050

Tgt Ion: 43 Resp: 1719918

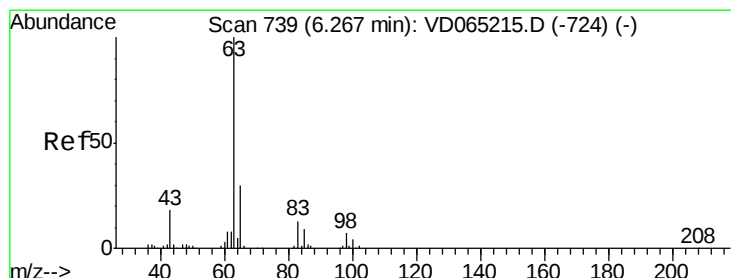
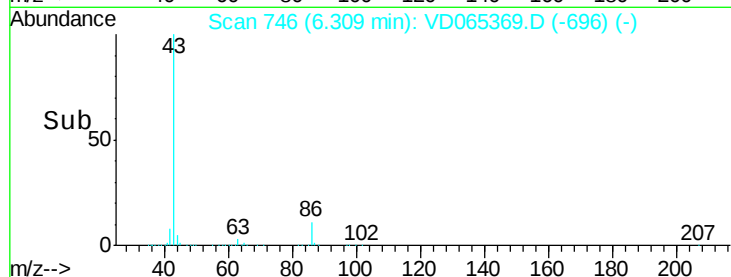
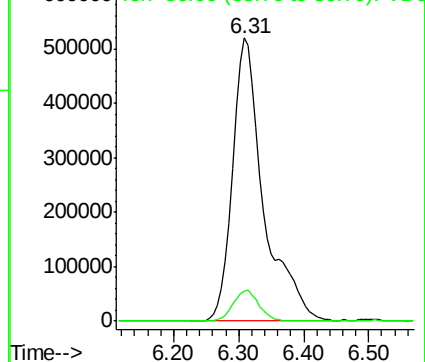
Ion Ratio Lower Upper

43 100

86 10.7 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.23 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

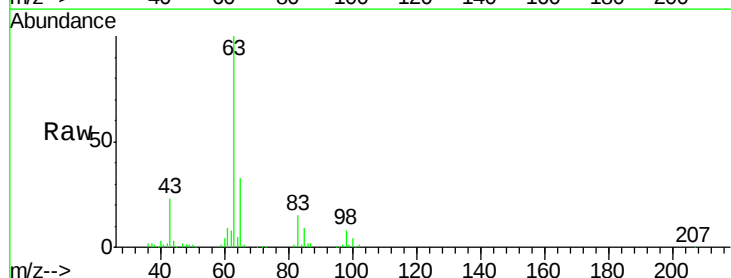
Tgt Ion: 63 Resp: 397414

Ion Ratio Lower Upper

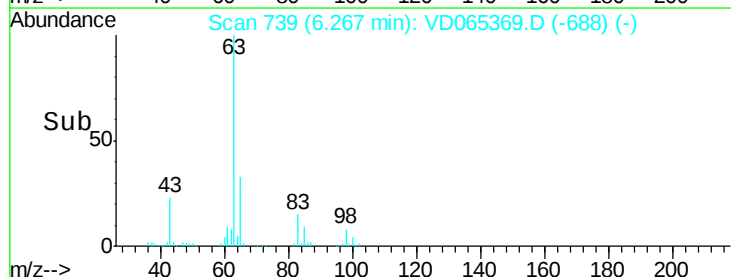
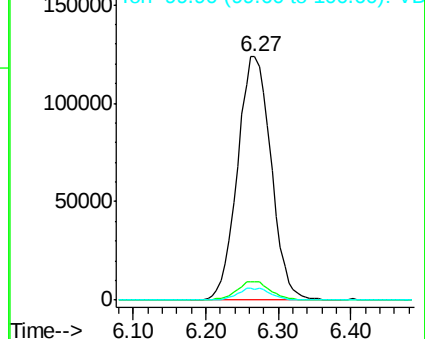
63 100

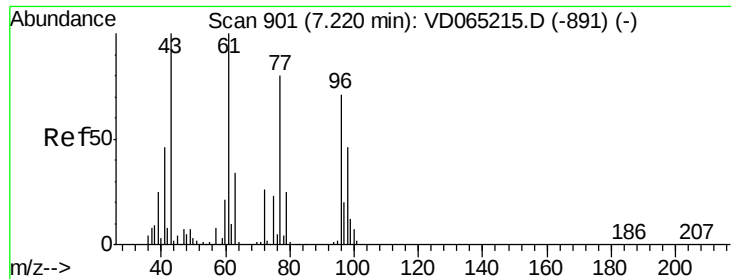
98 7.7 3.4 10.1

100 4.2 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: 224.20 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

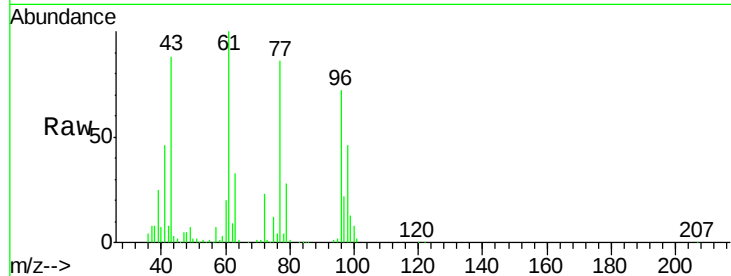
VSTDCCC050

Tgt Ion: 43 Resp: 291572

Ion Ratio Lower Upper

43 100

72 26.6 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.22

120000

100000

80000

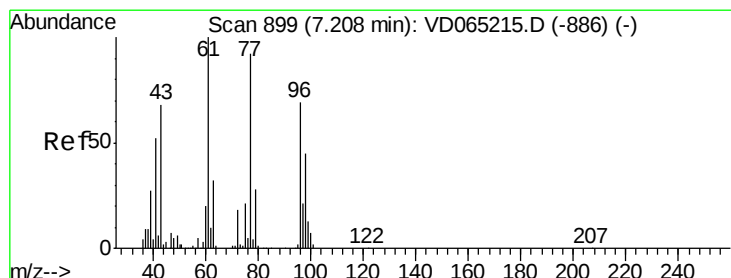
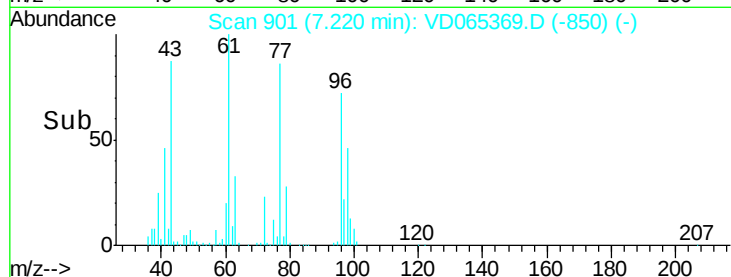
60000

40000

20000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#26

2,2-Dichloropropane

Concen: 49.34 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065369.D

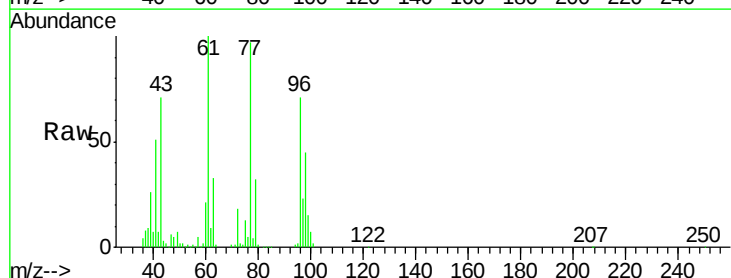
Acq: 02 Mar 2020 10:04

Tgt Ion: 77 Resp: 360235

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

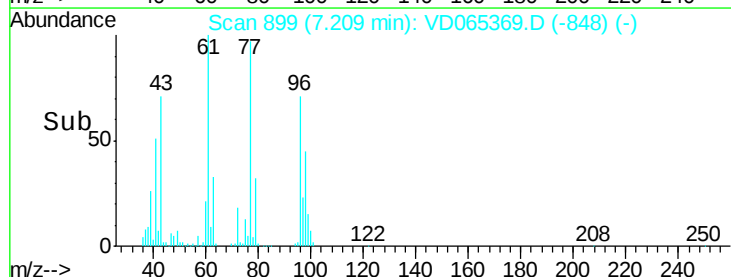
7.21

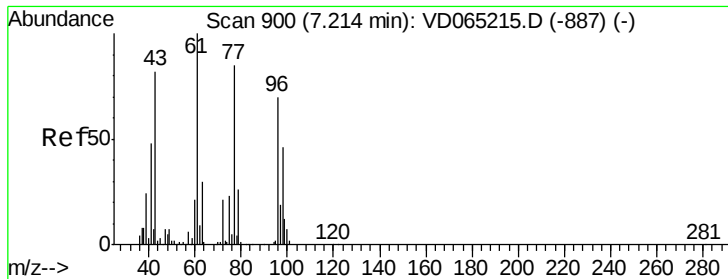
100000

50000

0

Time--> 7.10 7.20 7.30 7.40



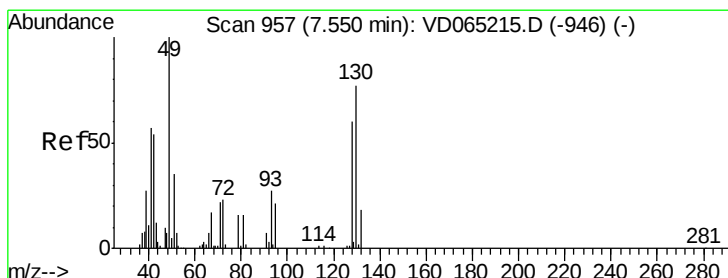
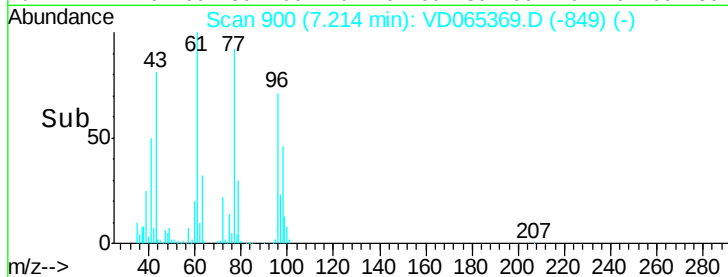
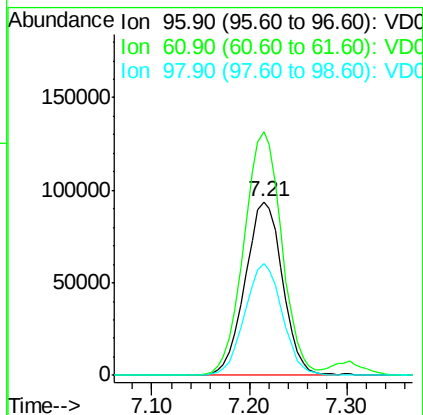
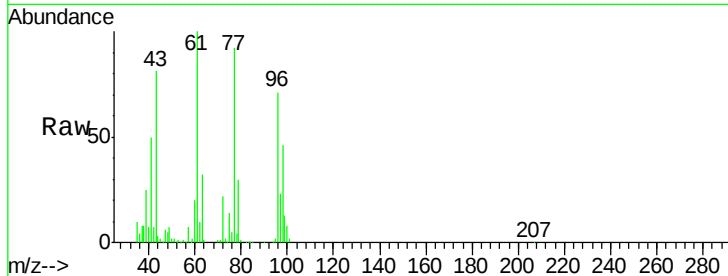


#27

cis-1,2-Dichloroethene
Concen: 48.08 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065369.D
Acq: 02 Mar 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

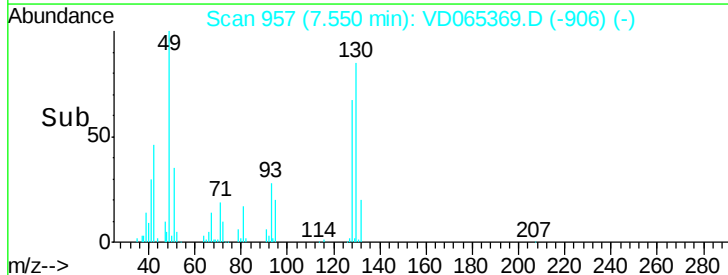
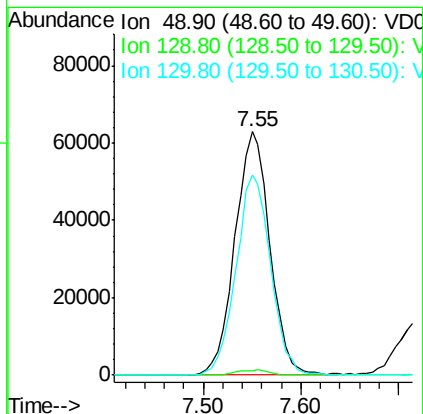
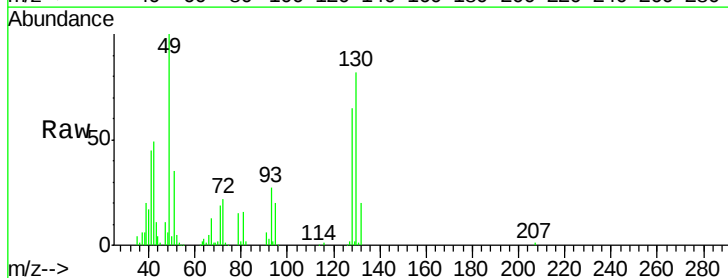
Tgt Ion	Resp	Lower	Upper
96	250887		
96	100		
61	142.2	0.0	286.0
98	64.8	0.0	127.8

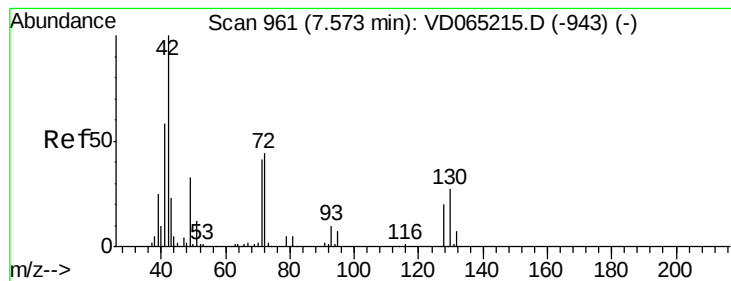


#28

Bromochloromethane
Concen: 50.20 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065369.D
Acq: 02 Mar 2020 10:04

Tgt Ion	Resp	Lower	Upper
49	156704		
49	100		
129	2.1	0.0	4.6
130	82.0	64.7	97.1





#29

Tetrahydrofuran

Concen: 212.21 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

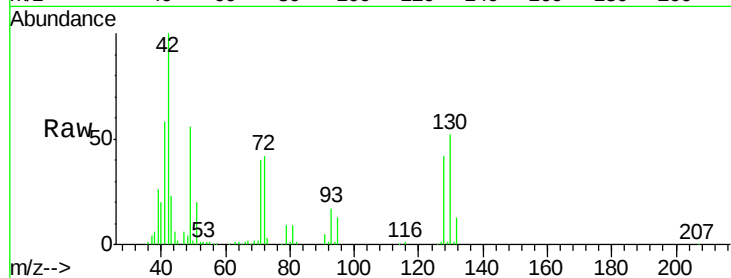
Tgt Ion: 42 Resp: 161697

Ion Ratio Lower Upper

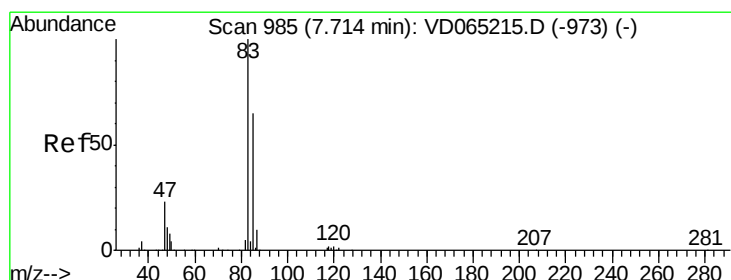
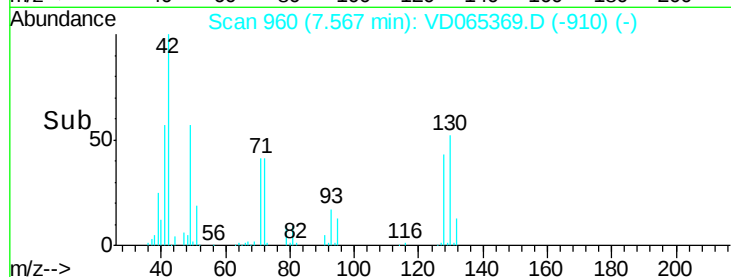
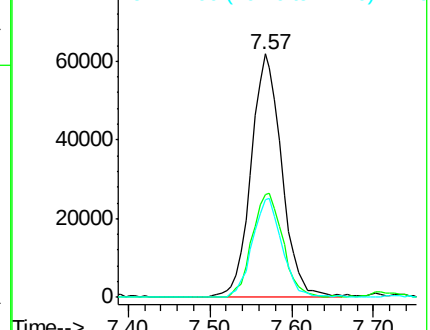
42 100

72 42.7 33.7 50.5

71 39.2 31.4 47.2



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



#30

Chloroform

Concen: 47.41 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065369.D

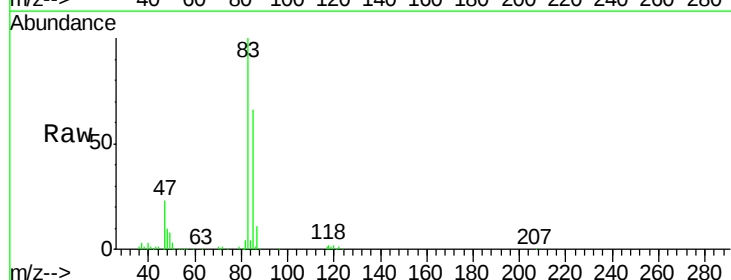
Acq: 02 Mar 2020 10:04

Tgt Ion: 83 Resp: 401886

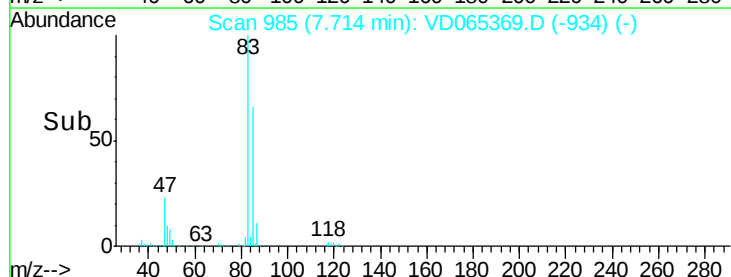
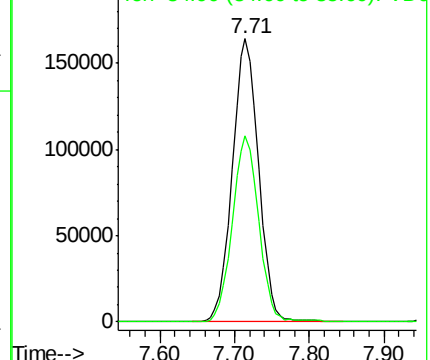
Ion Ratio Lower Upper

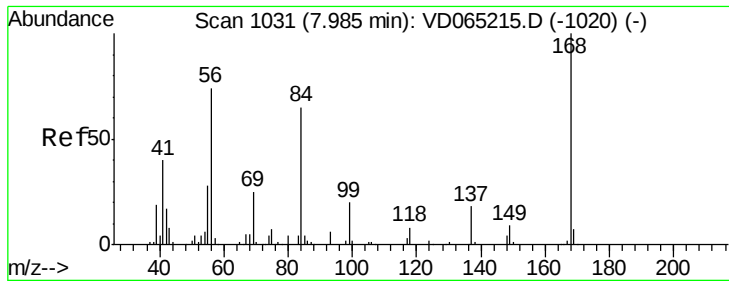
83 100

85 65.8 52.3 78.5



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





#31

Cyclohexane

Concen: 46.18 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

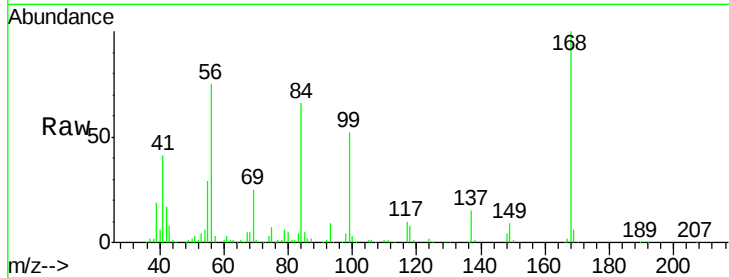
Tgt Ion: 56 Resp: 381775

Ion Ratio Lower Upper

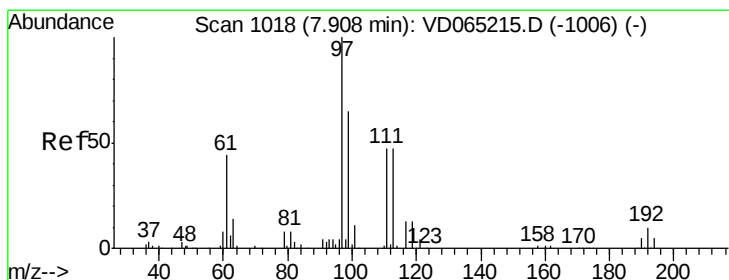
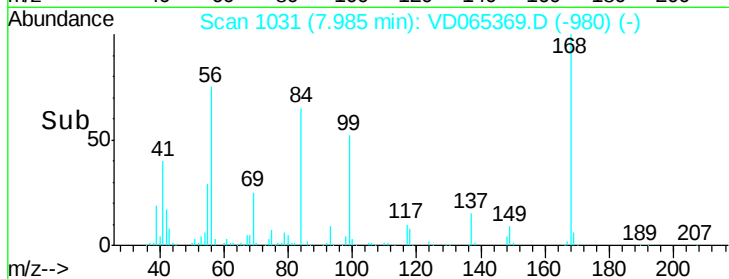
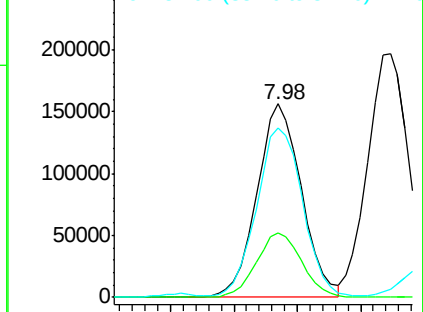
56 100

69 33.6 27.4 41.0

84 86.2 71.1 106.7



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



#32

1,1,1-Trichloroethane

Concen: 49.18 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

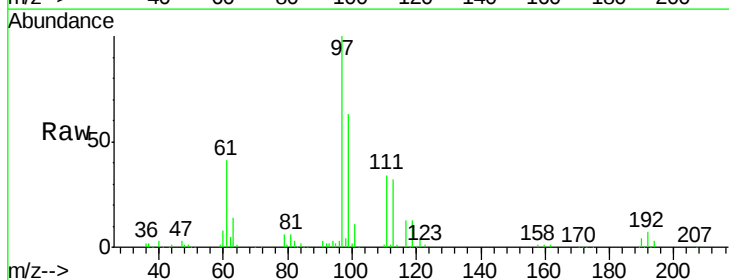
Tgt Ion: 97 Resp: 373042

Ion Ratio Lower Upper

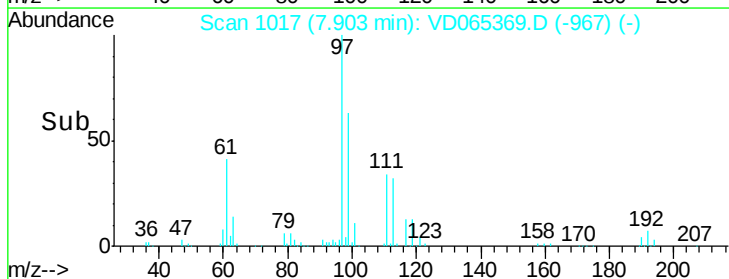
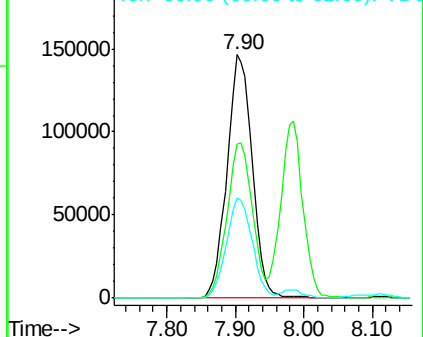
97 100

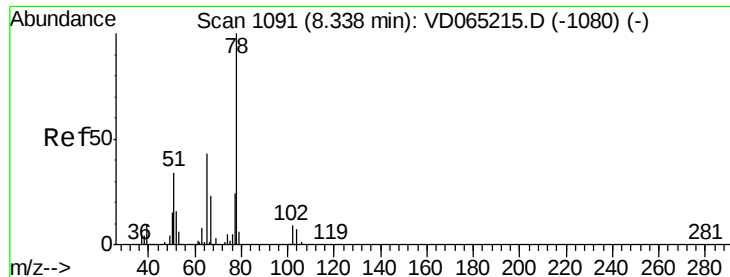
99 64.3 51.4 77.2

61 41.8 34.8 52.2



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

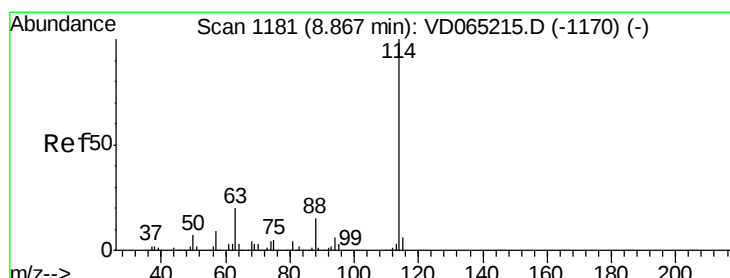
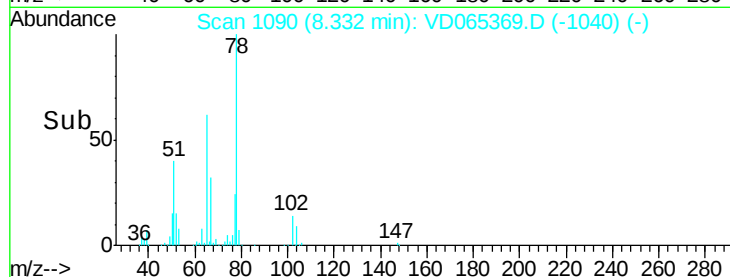
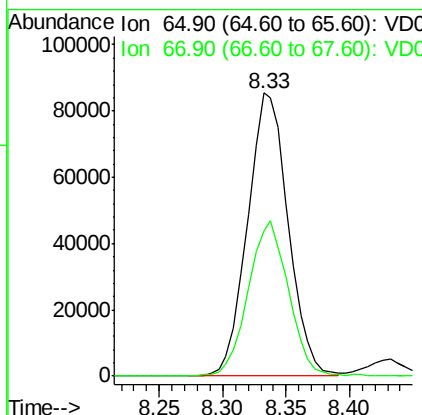
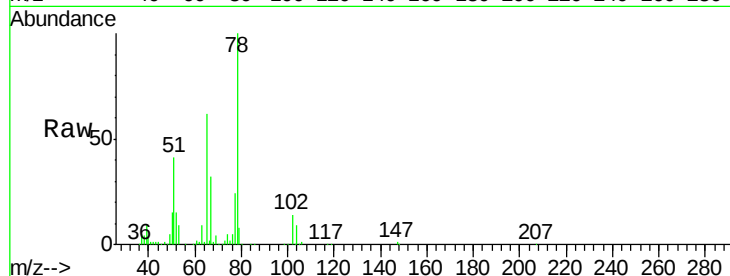




#33
 1,2-Dichloroethane-d4
 Concen: 45.38 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065369.D
 Acq: 02 Mar 2020 10:04

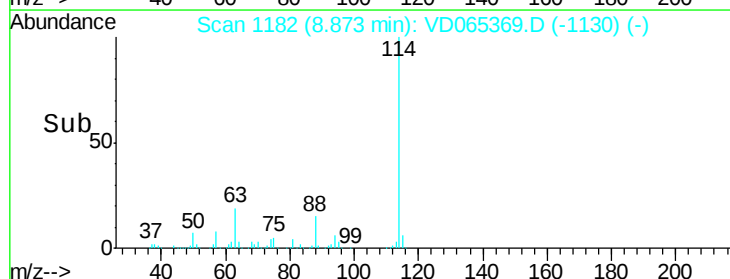
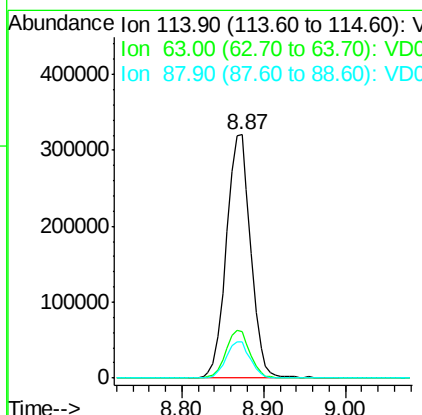
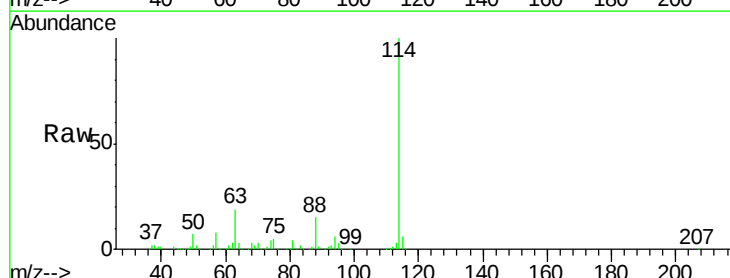
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

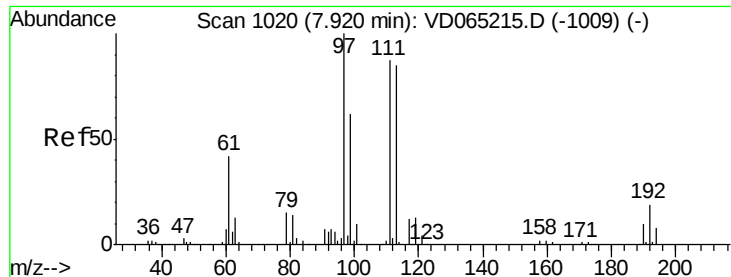
Tgt Ion: 65 Resp: 190808
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065369.D
 Acq: 02 Mar 2020 10:04

Tgt Ion: 114 Resp: 664078
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.4
 88 15.0 0.0 30.4

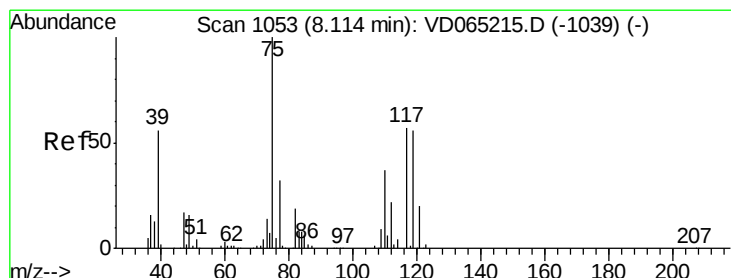
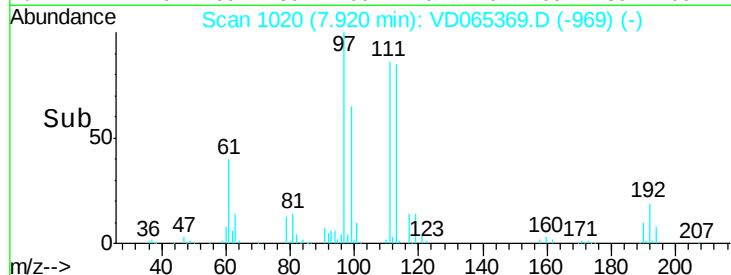
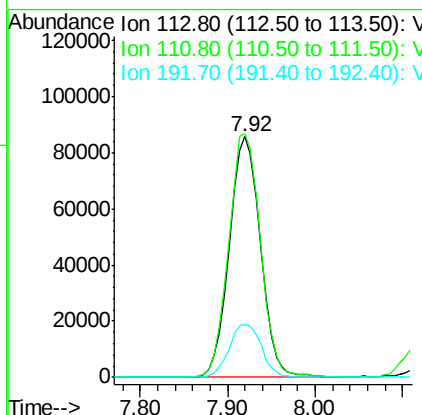
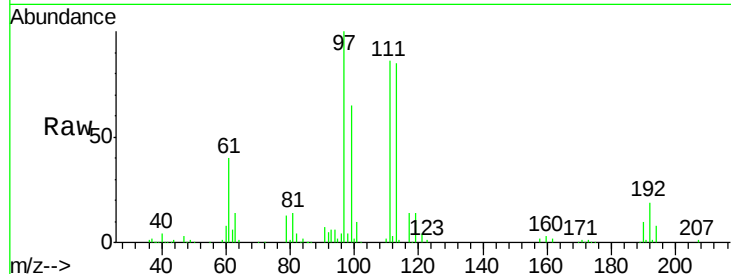




#35
 Dibromofluoromethane
 Concen: 51.16 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065369.D
 Acq: 02 Mar 2020 10:04

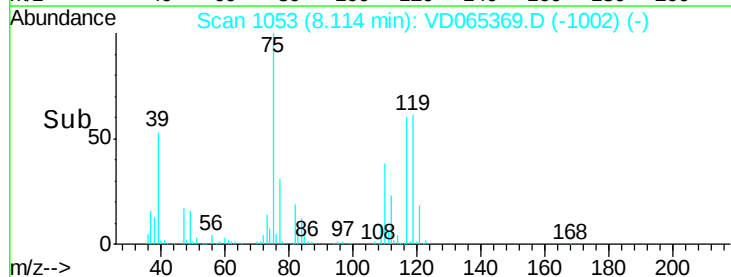
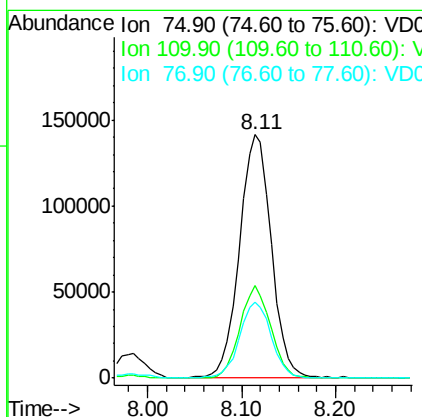
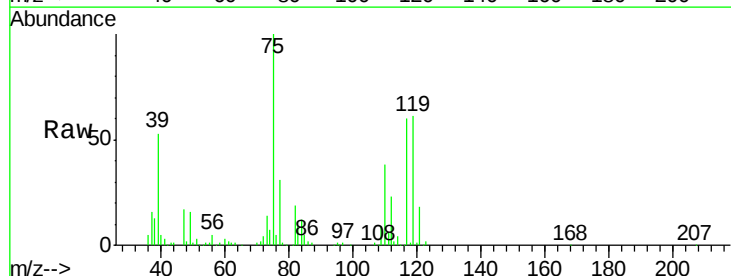
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

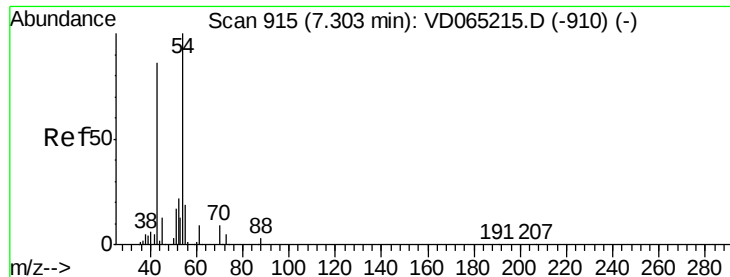
Tgt Ion: 113 Resp: 207144
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.9 124.3
 192 22.8 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 51.15 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065369.D
 Acq: 02 Mar 2020 10:04

Tgt Ion: 75 Resp: 330519
 Ion Ratio Lower Upper
 75 100
 110 36.7 17.9 53.7
 77 31.3 25.1 37.7

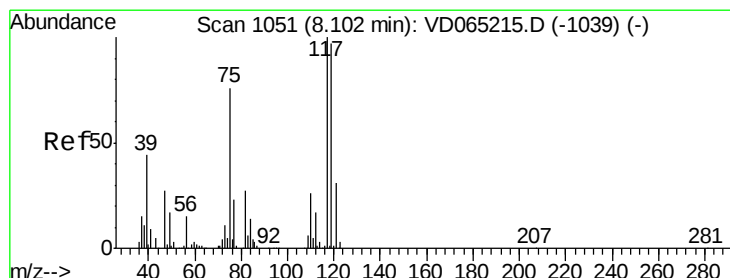
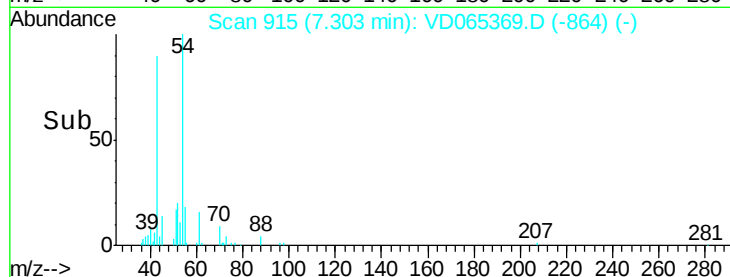
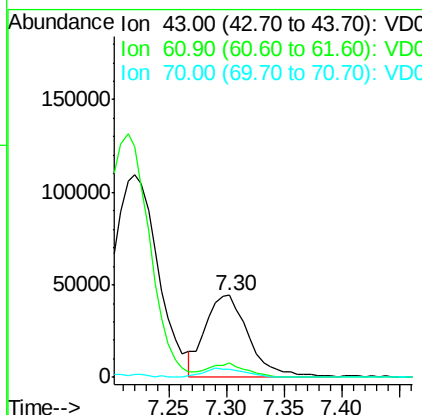
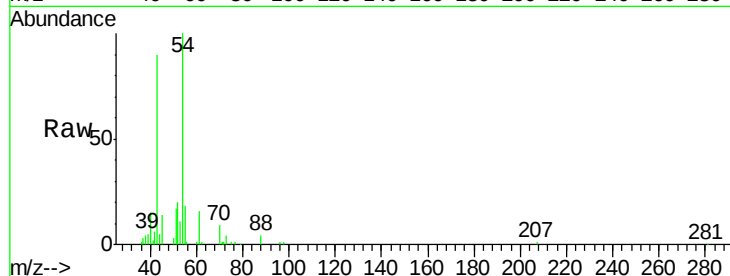




#37
Ethyl Acetate
Concen: 42.12 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065369.D
Acq: 02 Mar 2020 10:04

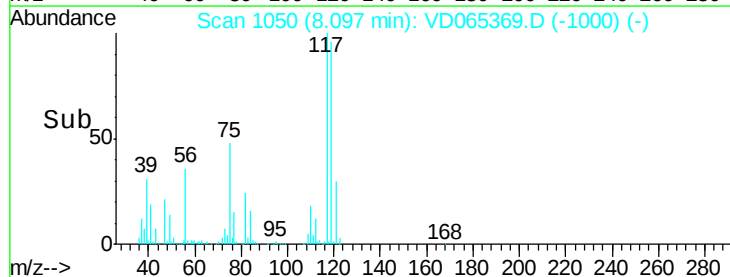
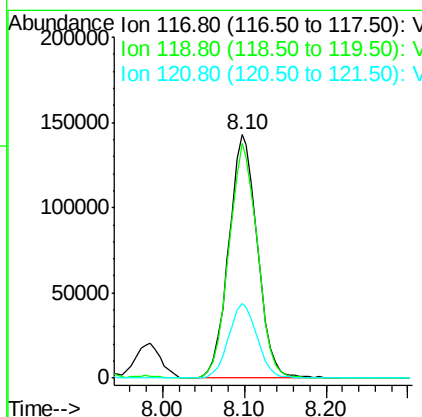
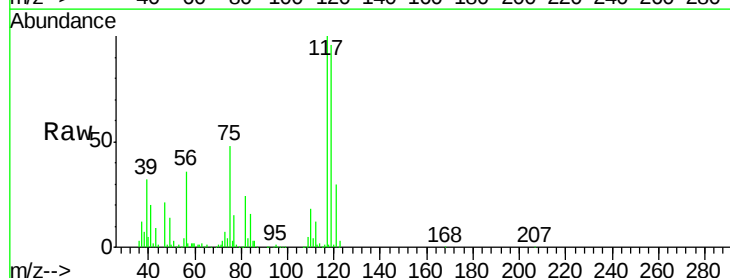
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

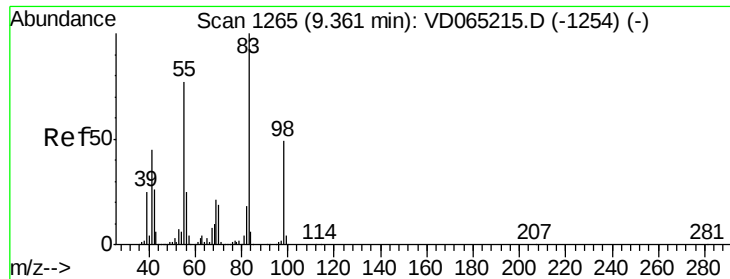
Tgt Ion: 43 Resp: 113764
Ion Ratio Lower Upper
43 100
61 14.2 11.2 16.8
70 10.7 8.2 12.2



#38
Carbon Tetrachloride
Concen: 52.60 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065369.D
Acq: 02 Mar 2020 10:04

Tgt Ion: 117 Resp: 346000
Ion Ratio Lower Upper
117 100
119 96.4 77.6 116.4
121 30.5 24.8 37.2

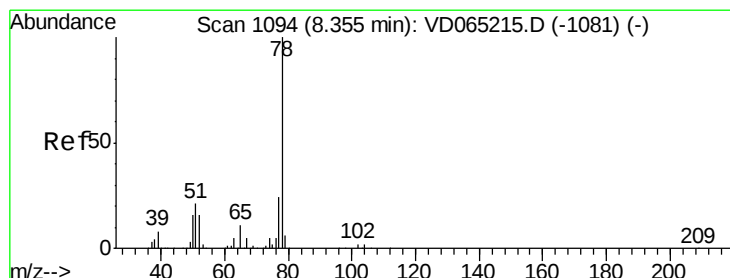
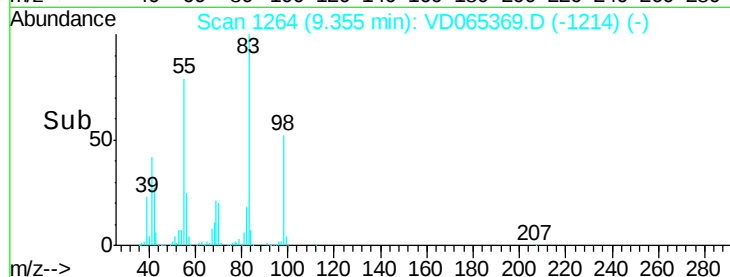
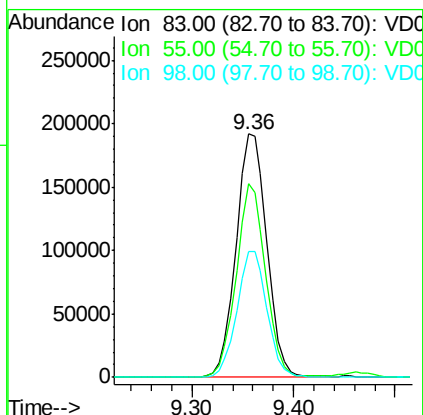
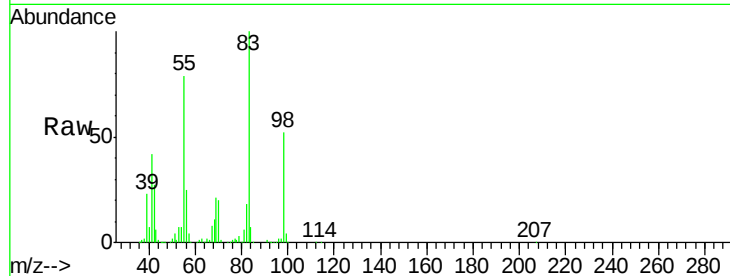




#39
Methylcyclohexane
Concen: 53.30 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065369.D
Acq: 02 Mar 2020 10:04

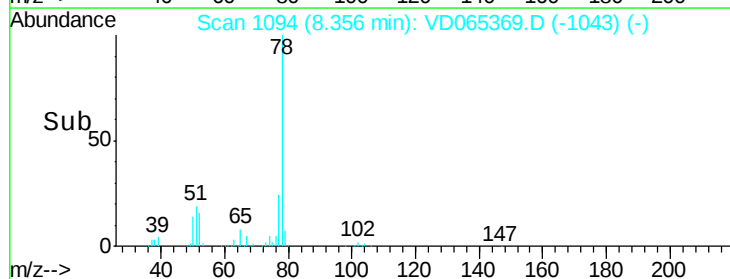
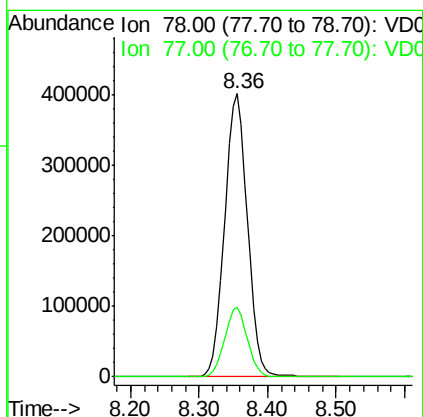
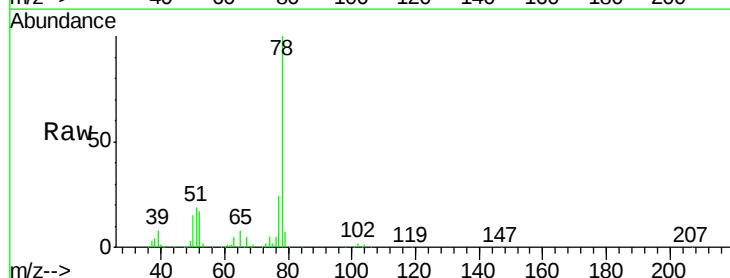
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

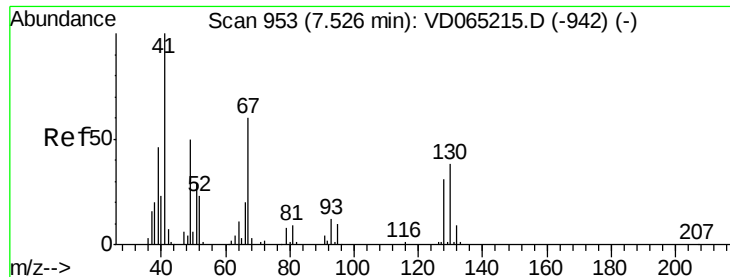
Tgt Ion: 83 Resp: 404878
Ion Ratio Lower Upper
83 100
55 79.3 61.8 92.6
98 51.5 39.4 59.0



#40
Benzene
Concen: 50.83 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065369.D
Acq: 02 Mar 2020 10:04

Tgt Ion: 78 Resp: 927100
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.6





#41

Methacrylonitrile

Concen: 36.99 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 57690

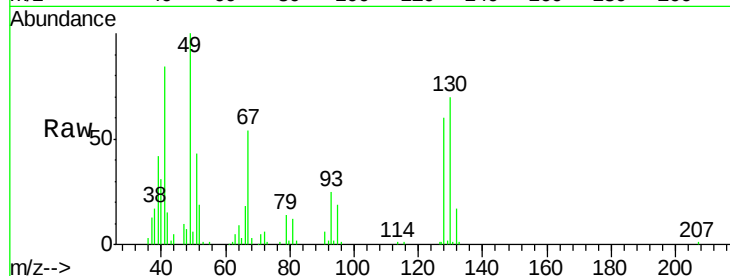
Ion Ratio Lower Upper

41 100

39 67.6 48.1 72.1

67 85.7 58.9 88.3

52 34.6 24.2 36.2

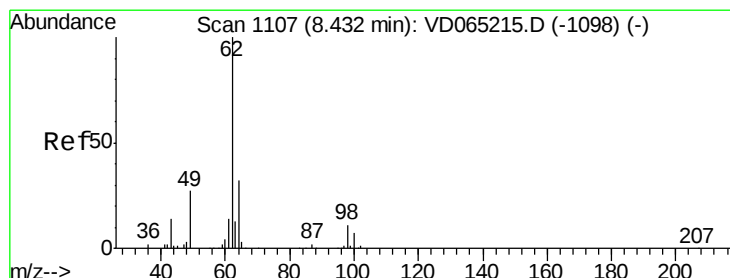
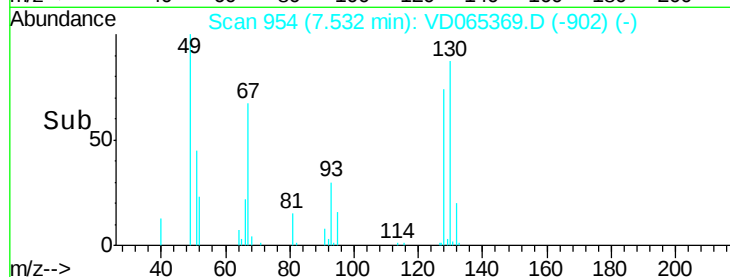
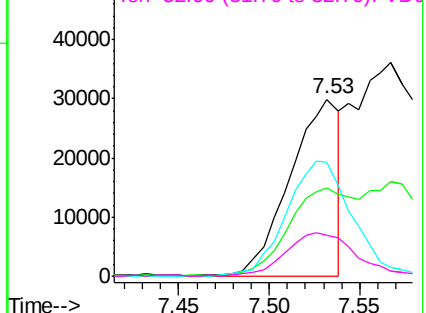


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 46.99 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065369.D

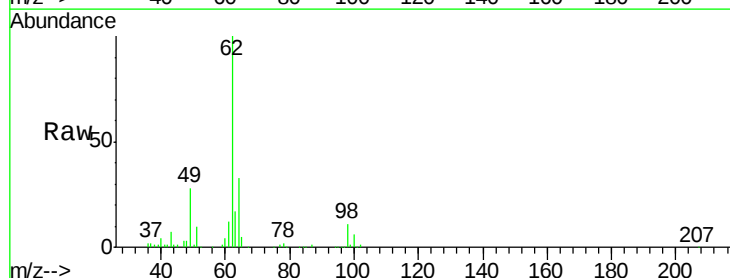
Acq: 02 Mar 2020 10:04

Tgt Ion: 62 Resp: 235584

Ion Ratio Lower Upper

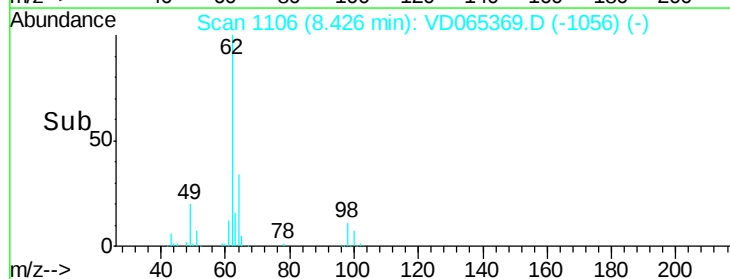
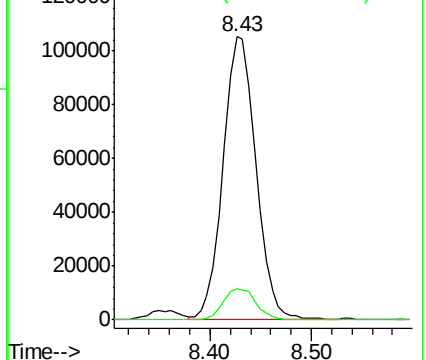
62 100

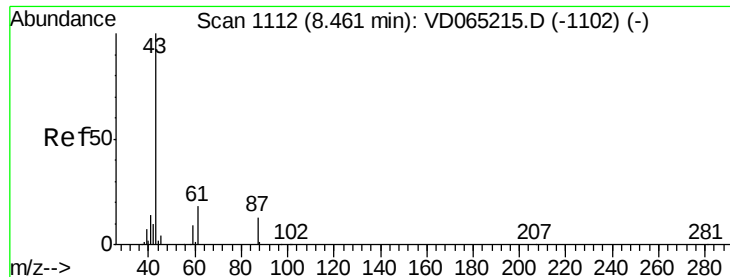
98 11.2 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 43.40 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

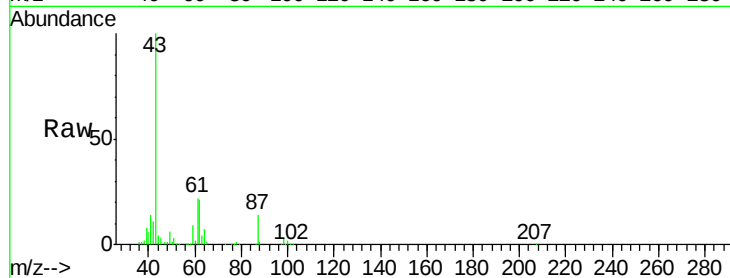
Tgt Ion: 43 Resp: 213204

Ion Ratio Lower Upper

43 100

61 33.0 24.6 36.8

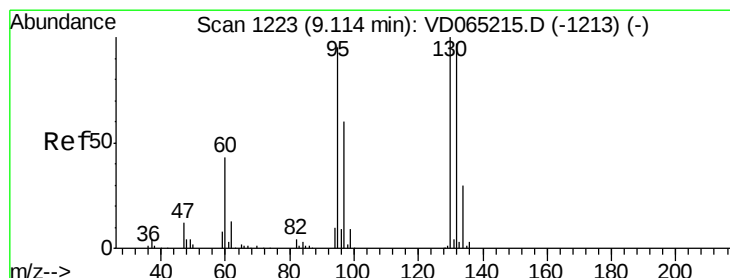
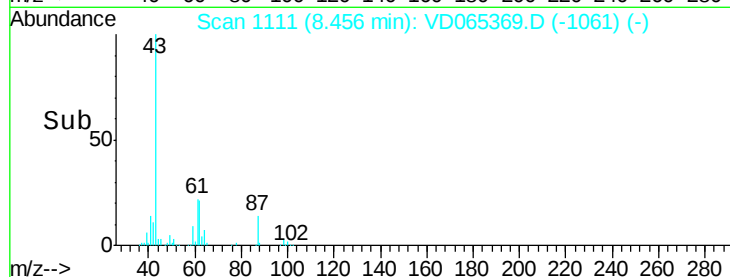
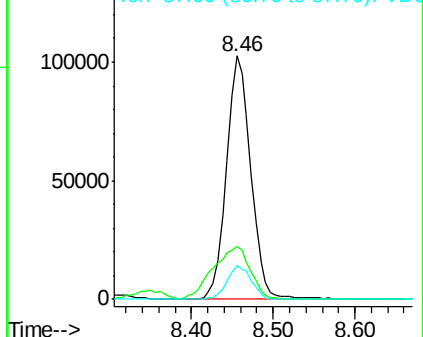
87 13.7 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.71 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065369.D

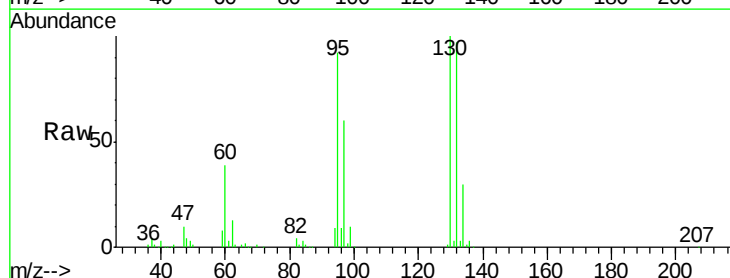
Acq: 02 Mar 2020 10:04

Tgt Ion: 130 Resp: 261423

Ion Ratio Lower Upper

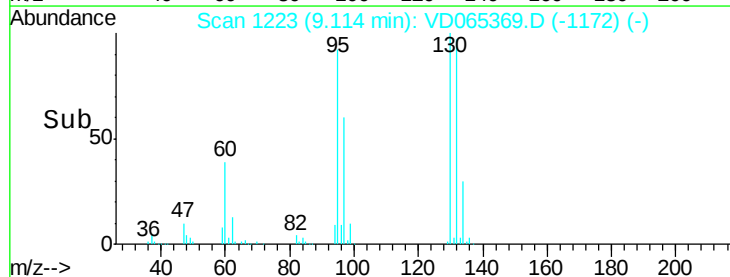
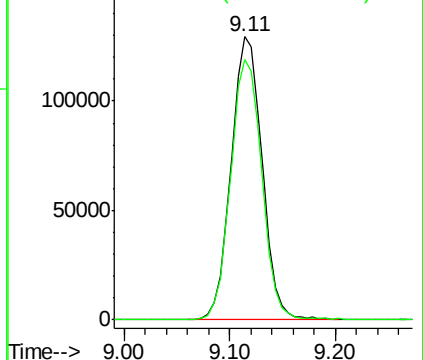
130 100

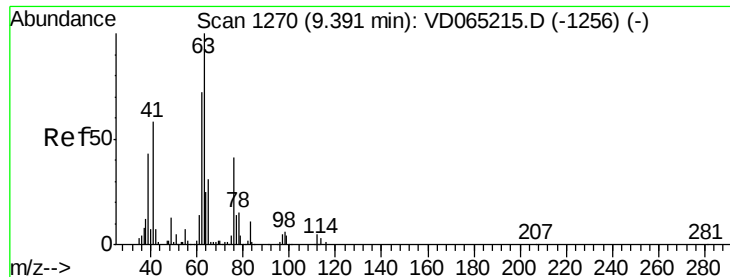
95 92.2 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 49.62 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

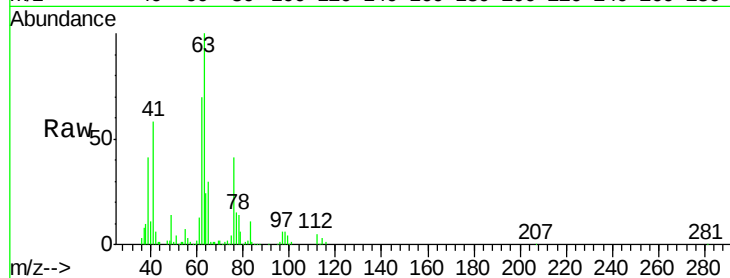
VSTDCCC050

Tgt Ion: 63 Resp: 225040

Ion Ratio Lower Upper

63 100

65 30.4 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

120000

100000

80000

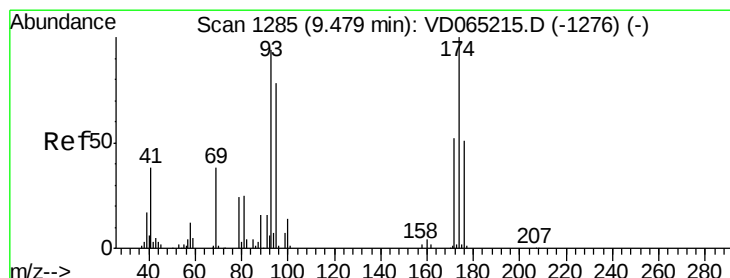
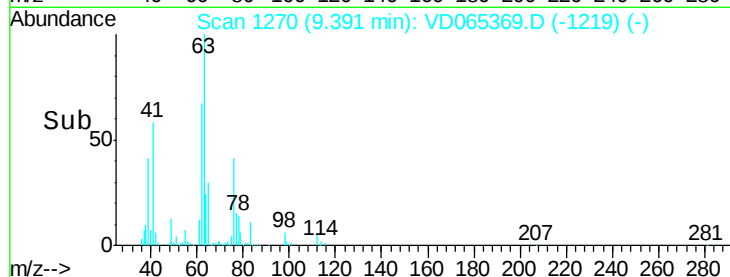
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 48.55 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

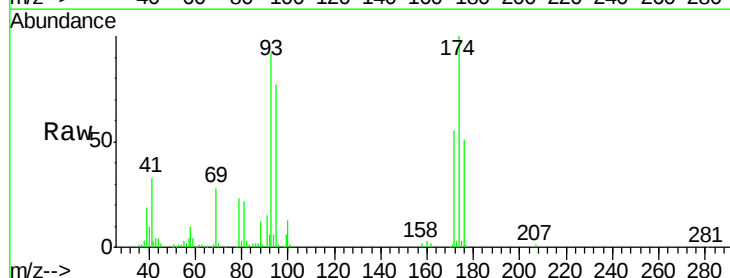
Tgt Ion: 93 Resp: 113286

Ion Ratio Lower Upper

93 100

95 82.4 65.8 98.6

174 109.4 86.8 130.2



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

9.48

80000

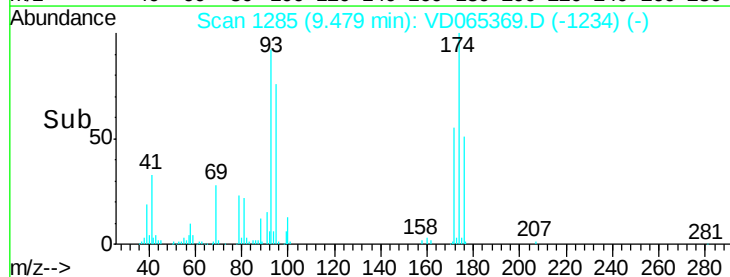
60000

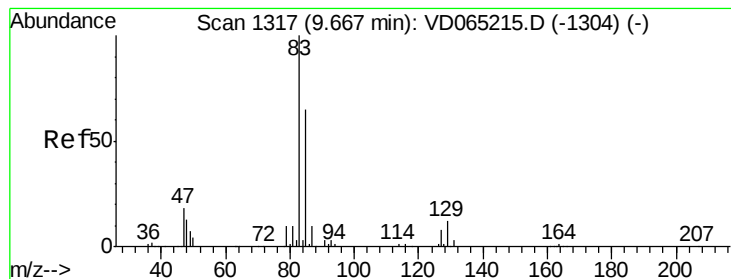
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 49.51 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

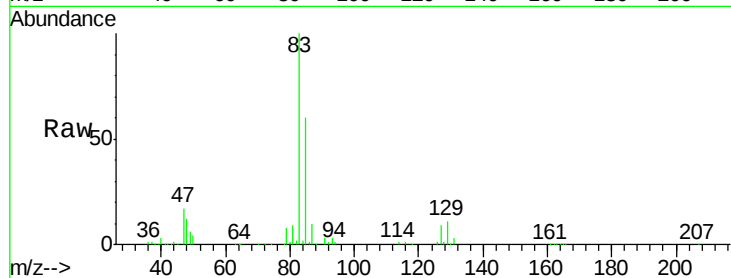
Tgt Ion: 83 Resp: 304427

Ion Ratio Lower Upper

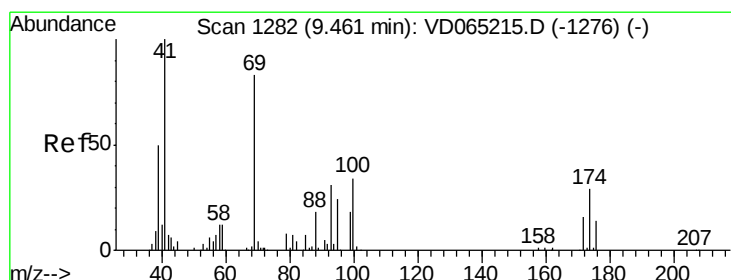
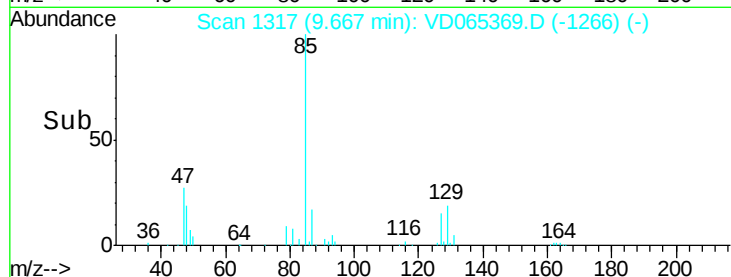
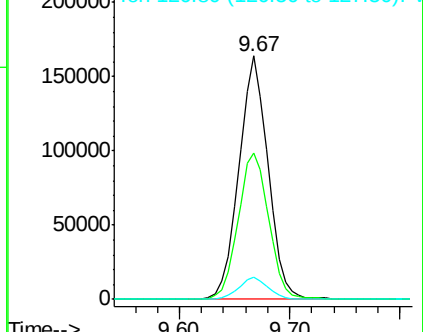
83 100

85 60.3 52.0 78.0

127 8.9 6.7 10.1



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



#48

Methyl methacrylate

Concen: 44.85 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

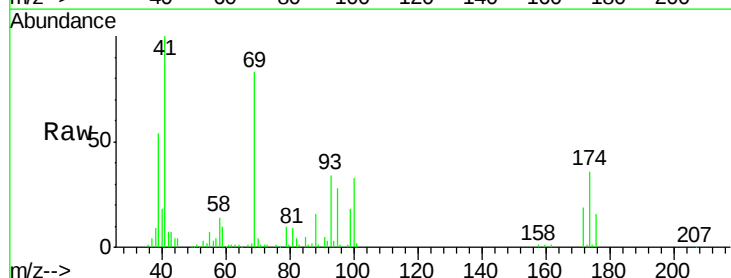
Tgt Ion: 41 Resp: 101823

Ion Ratio Lower Upper

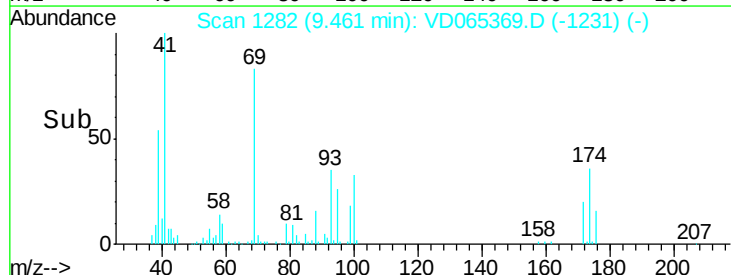
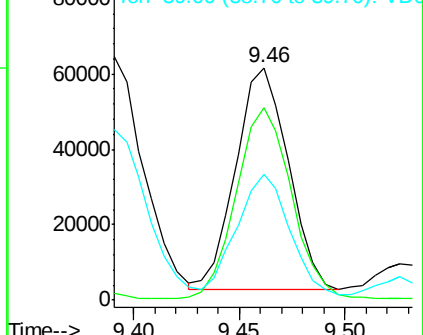
41 100

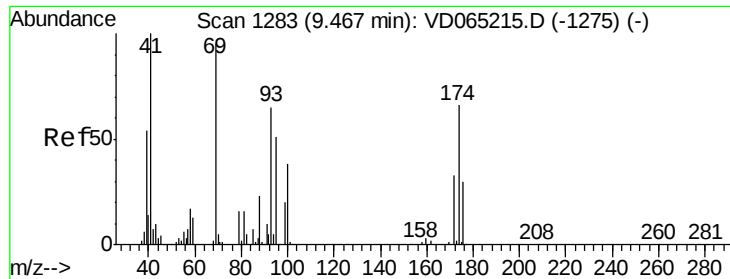
69 91.9 68.2 102.2

39 53.9 42.0 63.0



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

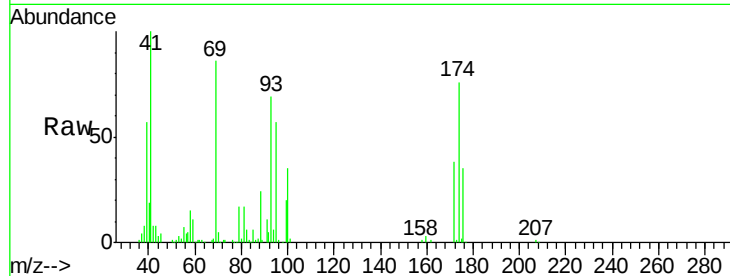




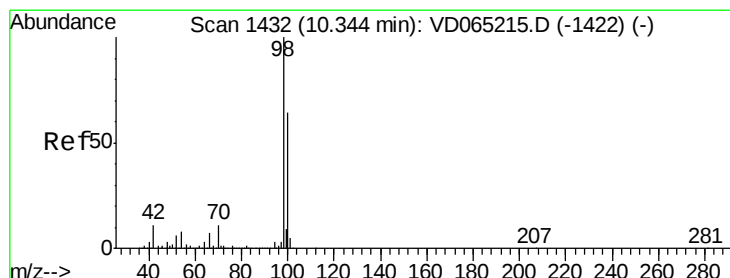
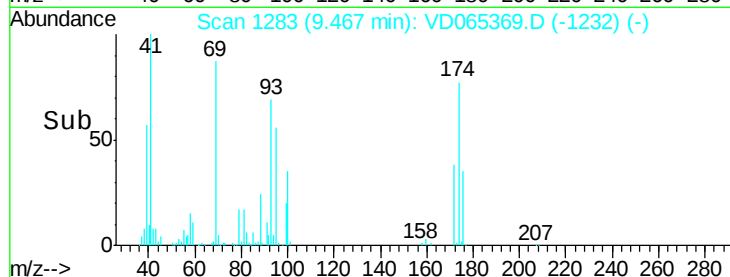
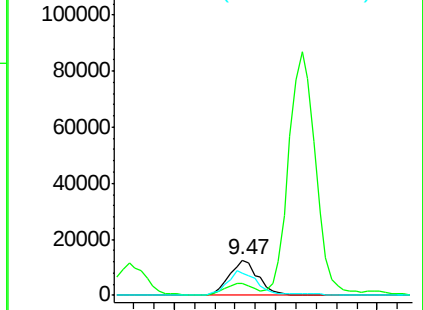
#49
 1,4-Dioxane
 Concen: 927.79 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VD065369.D
 Acq: 02 Mar 2020 10:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 88 Resp: 25391
 Ion Ratio Lower Upper
 88 100
 43 29.9 28.5 42.7
 58 71.4 58.6 87.8

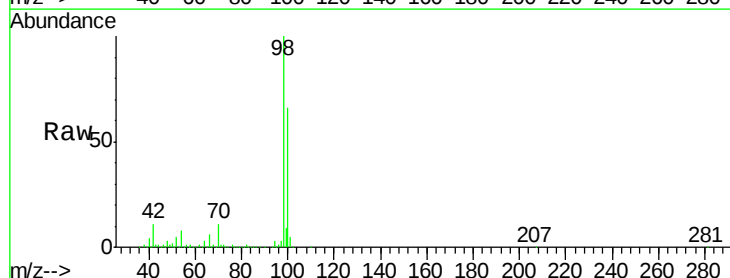


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

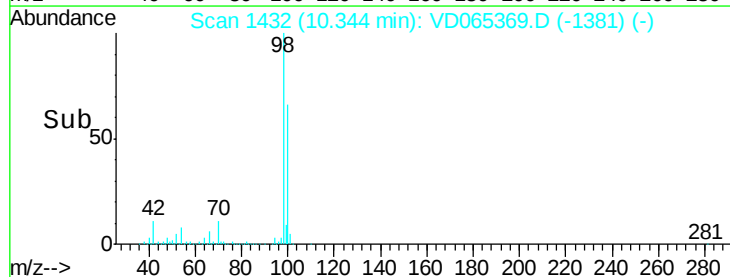
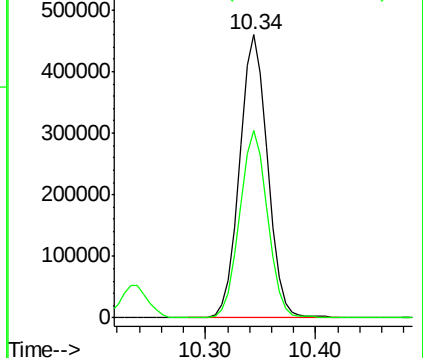


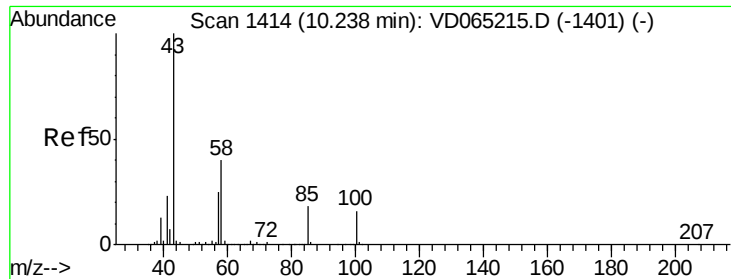
#50
 Toluene-d8
 Concen: 53.11 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD065369.D
 Acq: 02 Mar 2020 10:04

Tgt Ion: 98 Resp: 822042
 Ion Ratio Lower Upper
 98 100
 100 66.1 52.0 78.0



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

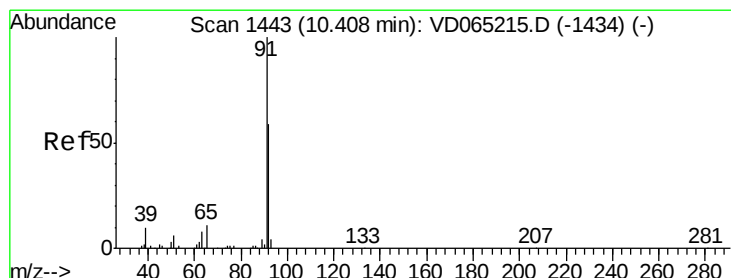
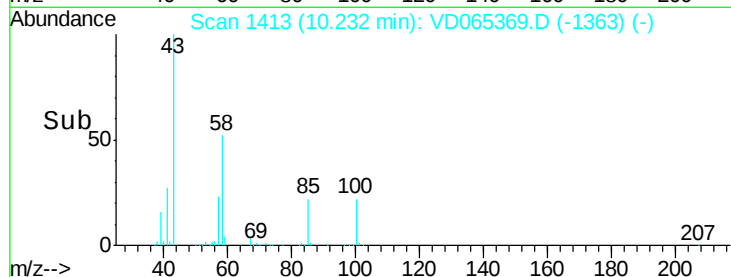
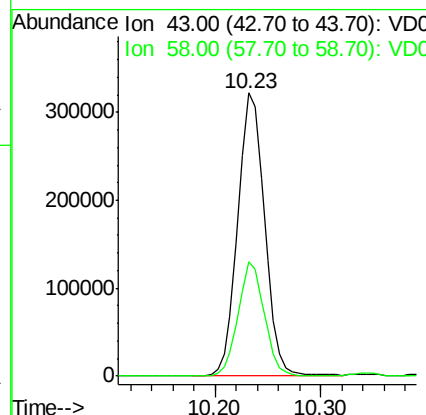
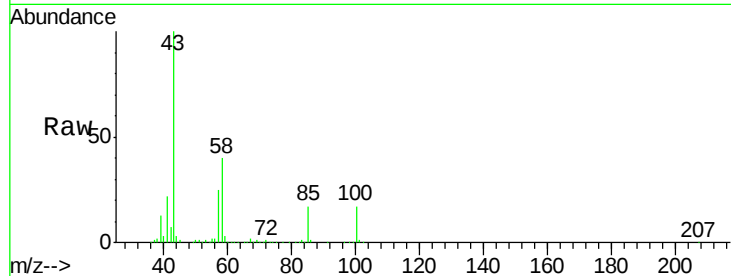




#51
4-Methyl-2-Pentanone
Concen: 227.06 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065369.D
Acq: 02 Mar 2020 10:04

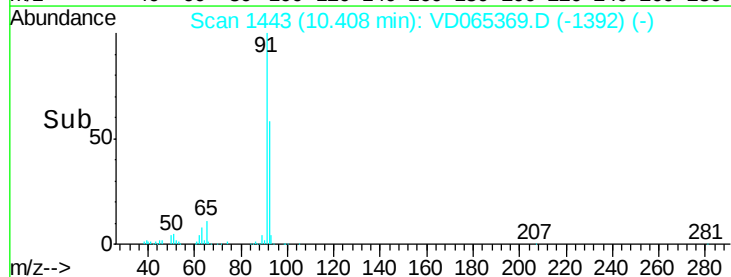
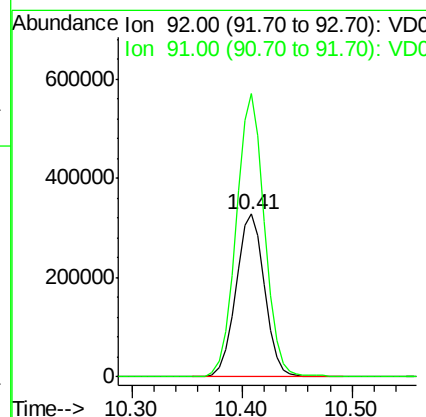
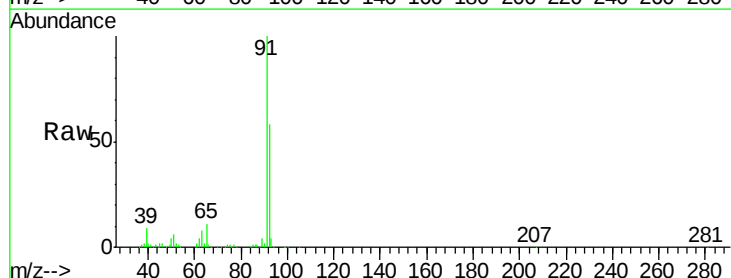
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

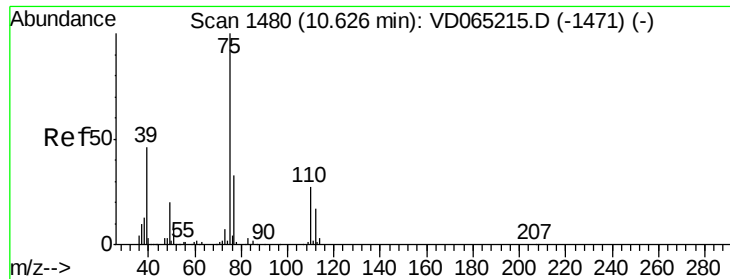
Tgt Ion: 43 Resp: 566482
Ion Ratio Lower Upper
43 100
58 39.1 31.1 46.7



#52
Toluene
Concen: 52.86 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065369.D
Acq: 02 Mar 2020 10:04

Tgt Ion: 92 Resp: 596779
Ion Ratio Lower Upper
92 100
91 171.6 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 48.97 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

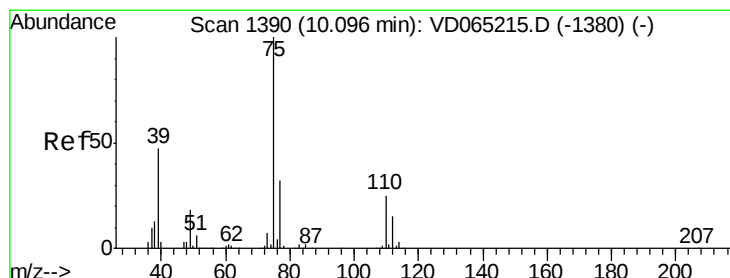
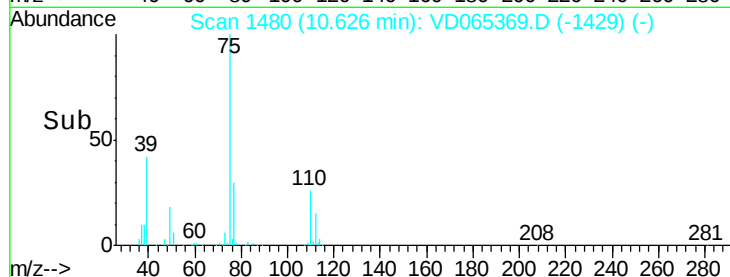
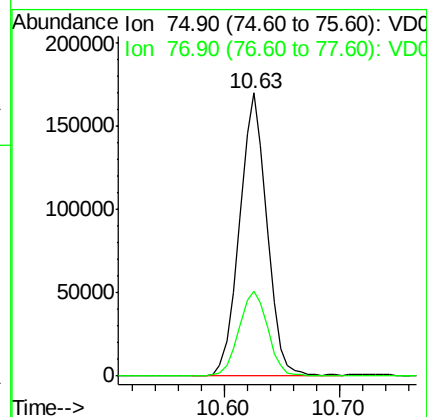
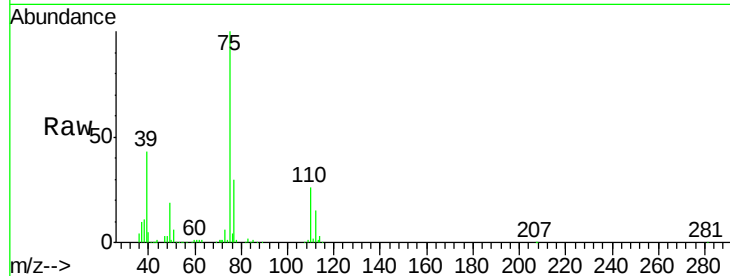
VSTDCCC050

Tgt Ion: 75 Resp: 279133

Ion Ratio Lower Upper

75 100

77 30.0 26.6 40.0



#54

cis-1,3-Dichloropropene

Concen: 50.14 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

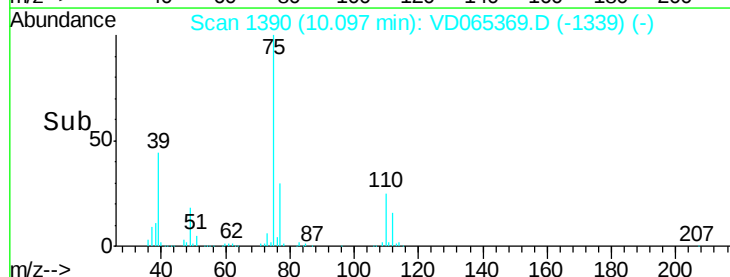
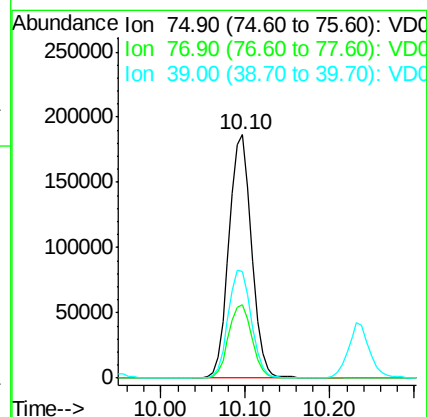
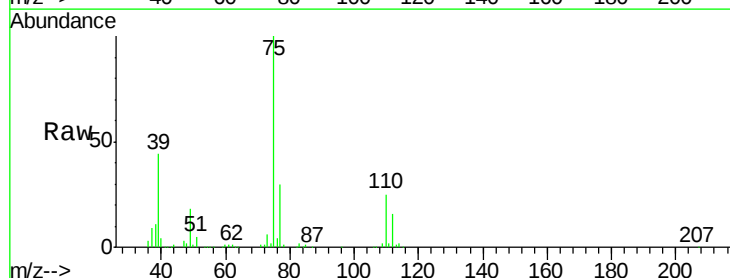
Tgt Ion: 75 Resp: 345137

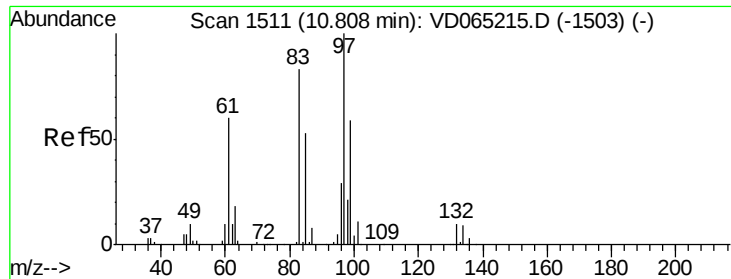
Ion Ratio Lower Upper

75 100

77 30.0 25.8 38.8

39 43.6 37.3 55.9

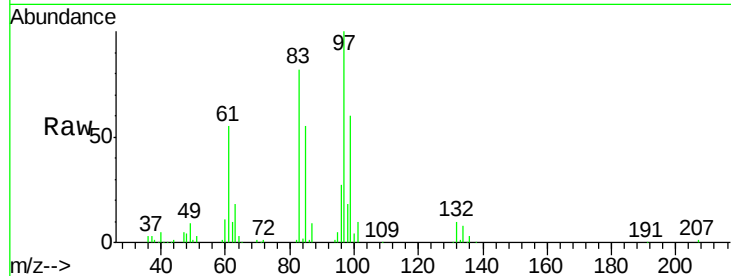




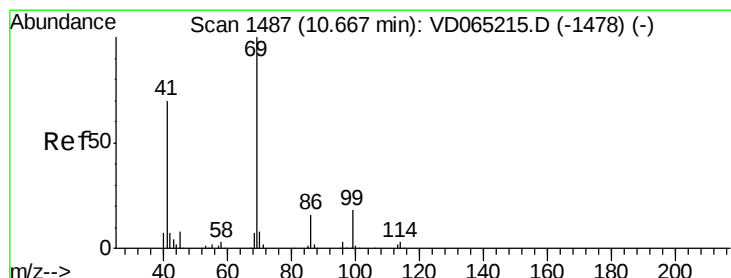
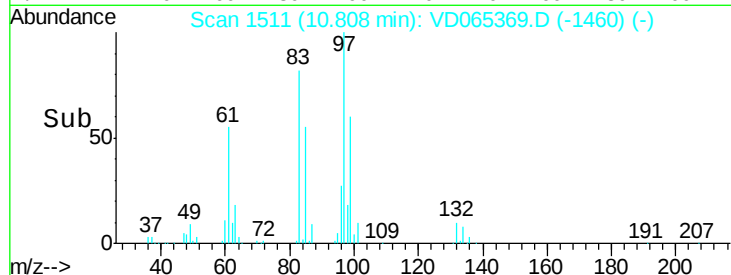
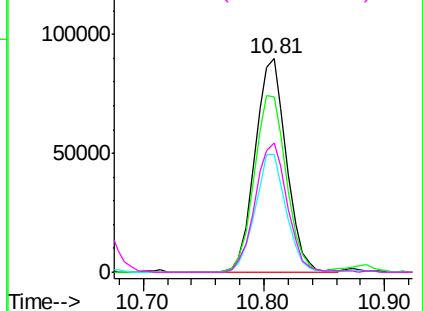
#55
 1,1,2-Trichloroethane
 Concen: 49.25 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065369.D
 Acq: 02 Mar 2020 10:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	161756
Ion	Ratio	Lower	Upper
97	100		
83	82.1	66.7	100.1
85	54.9	42.4	63.6
99	60.4	47.5	71.3

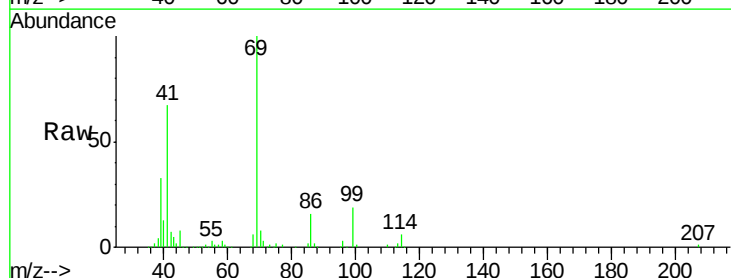


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

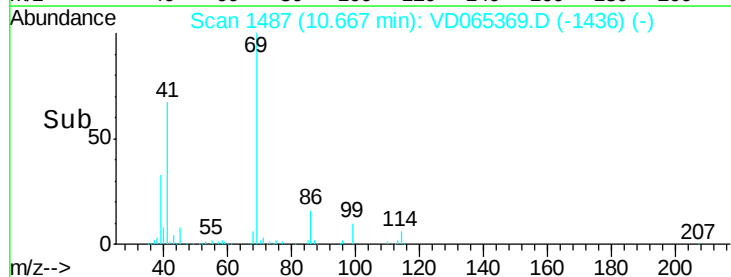
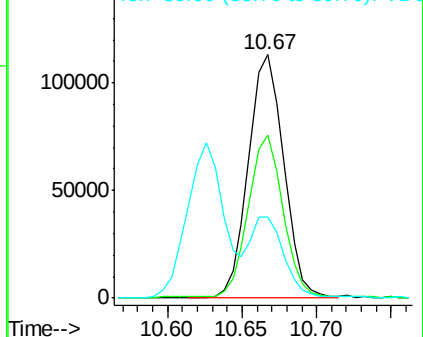


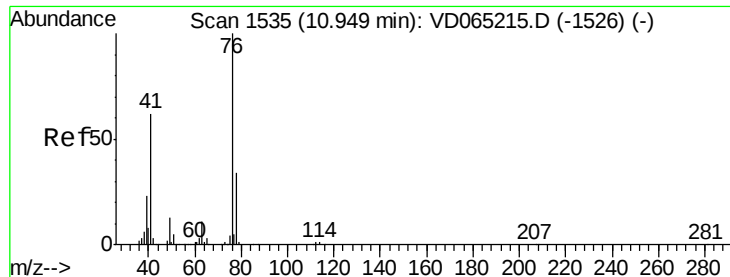
#56
 Ethyl methacrylate
 Concen: 48.99 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065369.D
 Acq: 02 Mar 2020 10:04

Tgt Ion:	69	Resp:	185727
Ion	Ratio	Lower	Upper
69	100		
41	64.7	54.6	81.8
39	30.6	26.5	39.7



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





#57

1,3-Dichloropropane

Concen: 49.42 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

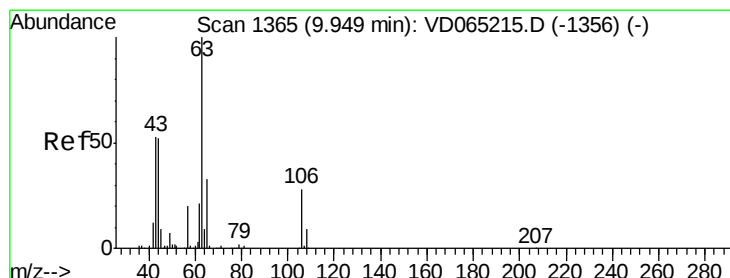
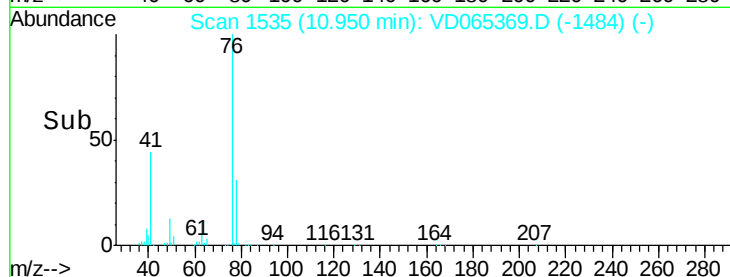
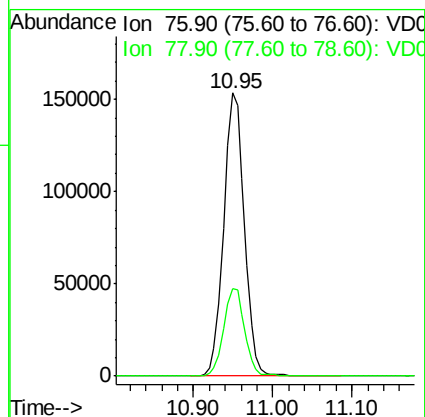
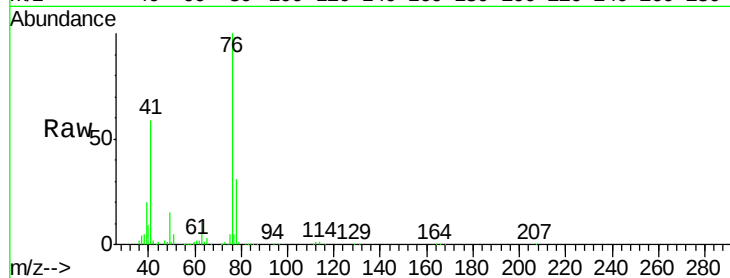
VSTDCCC050

Tgt Ion: 76 Resp: 276267

Ion Ratio Lower Upper

76 100

78 31.6 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 235.47 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065369.D

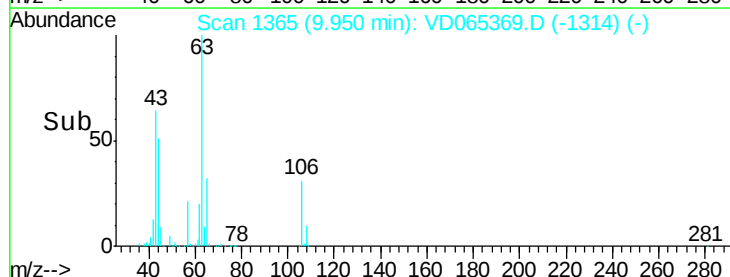
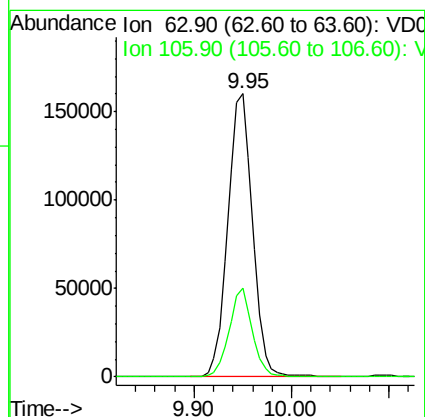
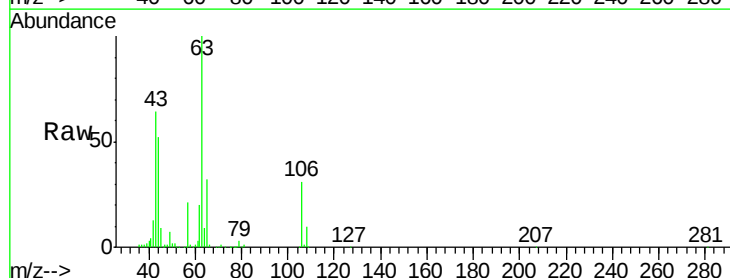
Acq: 02 Mar 2020 10:04

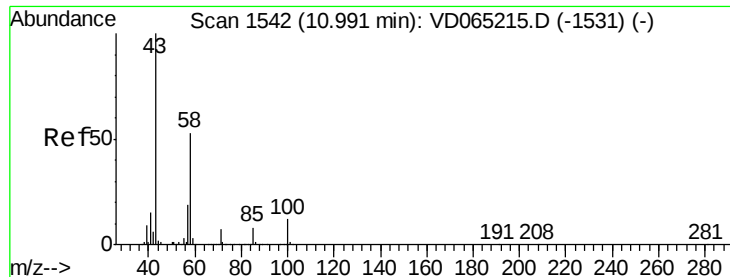
Tgt Ion: 63 Resp: 281410

Ion Ratio Lower Upper

63 100

106 29.1 22.8 34.2

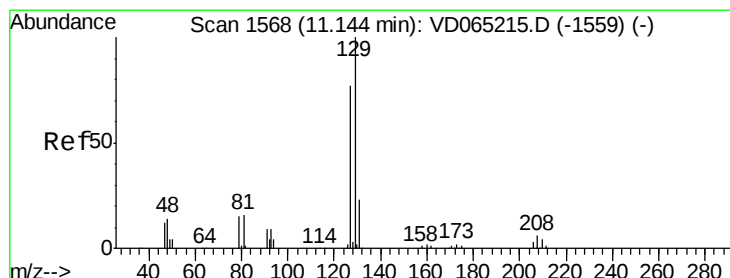
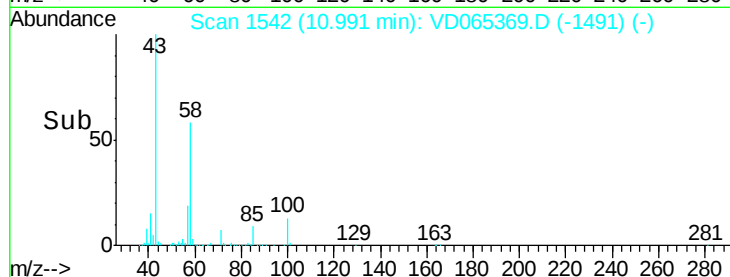
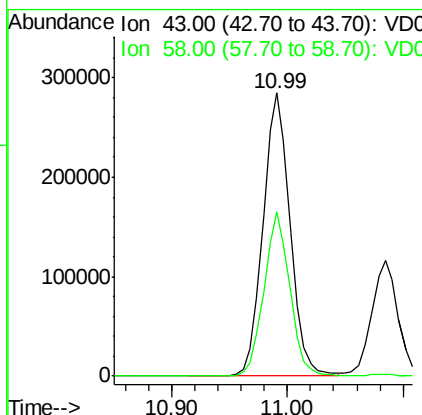
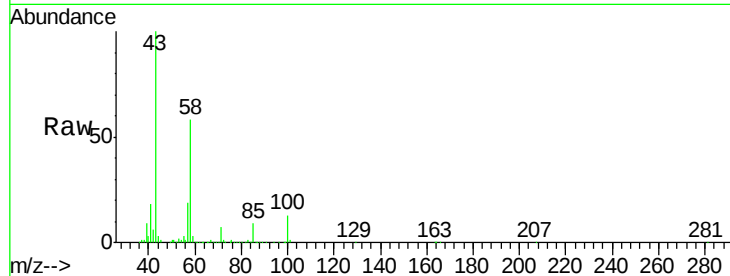




#59
2-Hexanone
Concen: 260.38 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065369.D
Acq: 02 Mar 2020 10:04

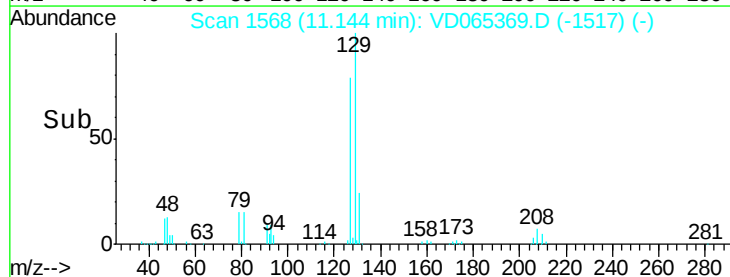
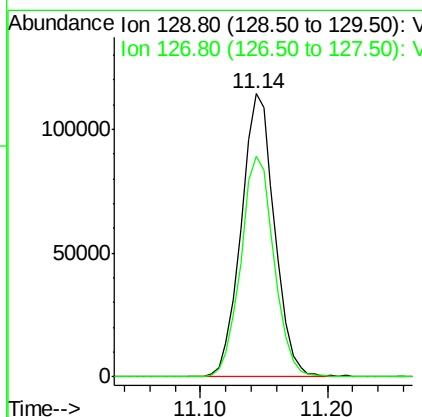
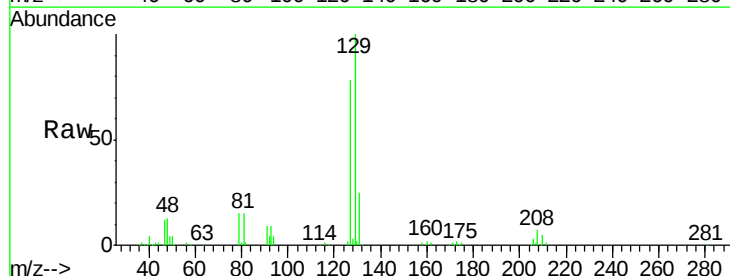
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

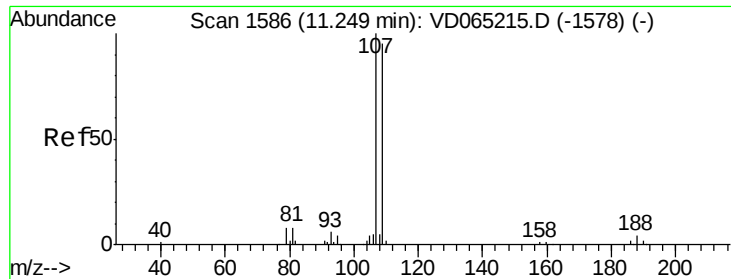
Tgt Ion: 43 Resp: 465028
Ion Ratio Lower Upper
43 100
58 55.6 26.3 78.8



#60
Dibromochloromethane
Concen: 49.59 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065369.D
Acq: 02 Mar 2020 10:04

Tgt Ion: 129 Resp: 208474
Ion Ratio Lower Upper
129 100
127 77.5 38.7 116.1

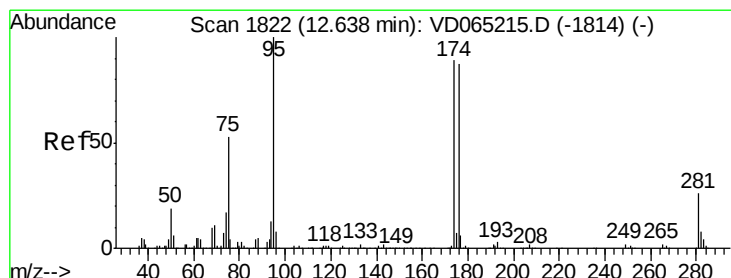
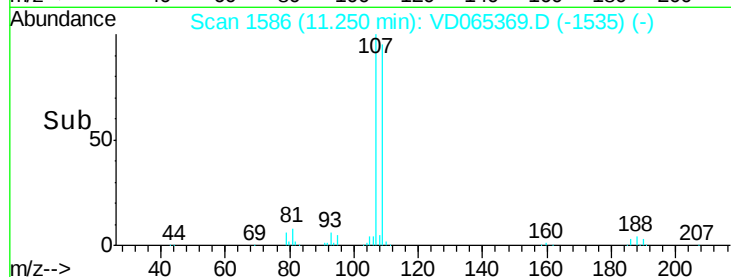
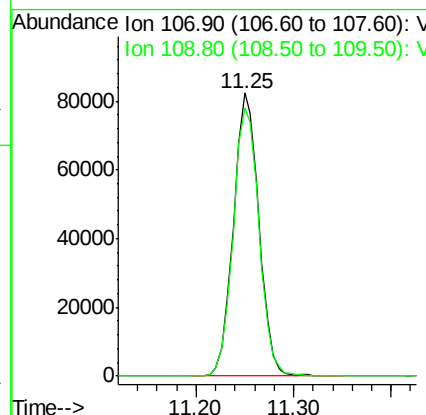
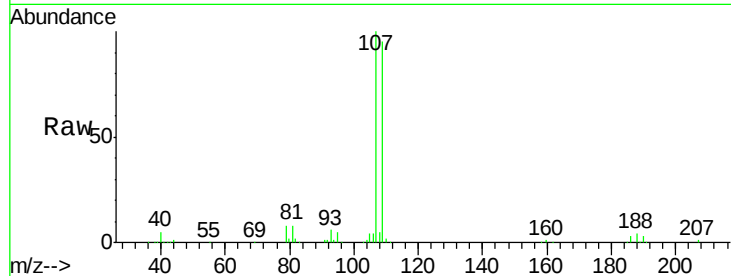




#61
 1,2-Dibromoethane
 Concen: 47.70 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065369.D
 Acq: 02 Mar 2020 10:04

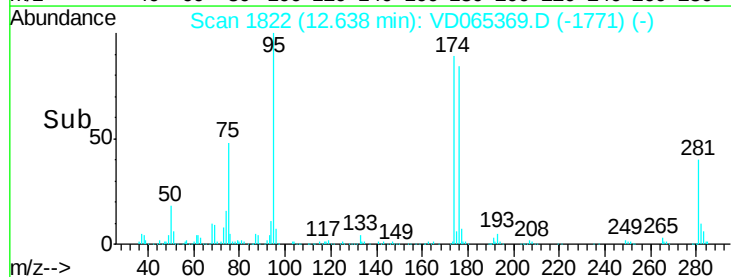
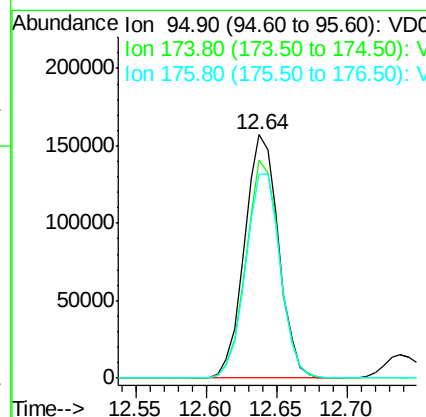
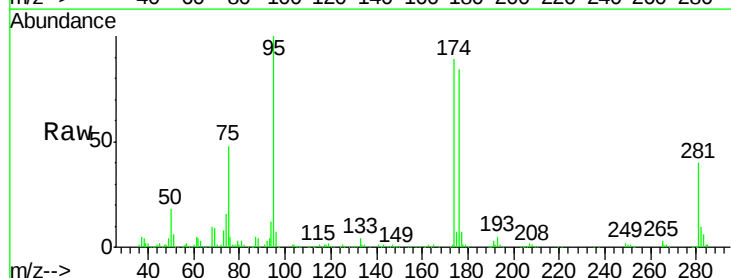
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

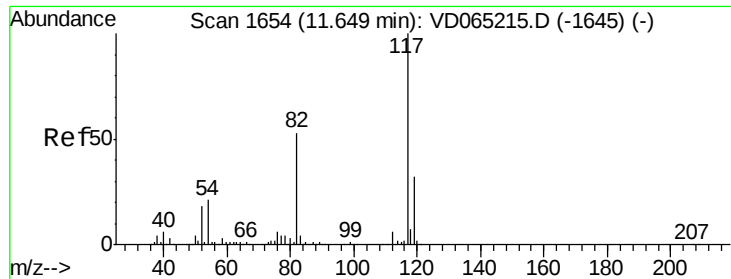
Tgt Ion: 107 Resp: 148316
 Ion Ratio Lower Upper
 107 100
 109 96.7 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 54.20 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065369.D
 Acq: 02 Mar 2020 10:04

Tgt Ion: 95 Resp: 265797
 Ion Ratio Lower Upper
 95 100
 174 88.3 0.0 178.0
 176 85.4 0.0 174.4

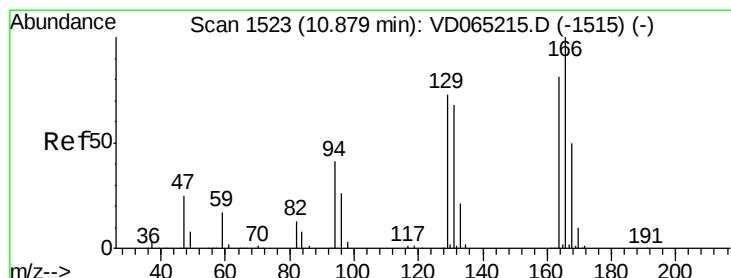
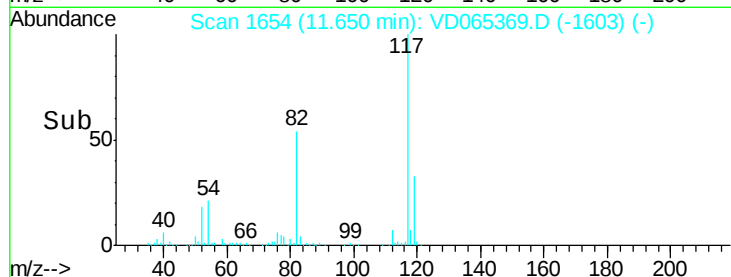
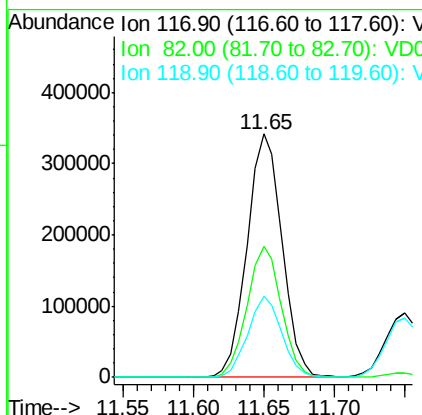
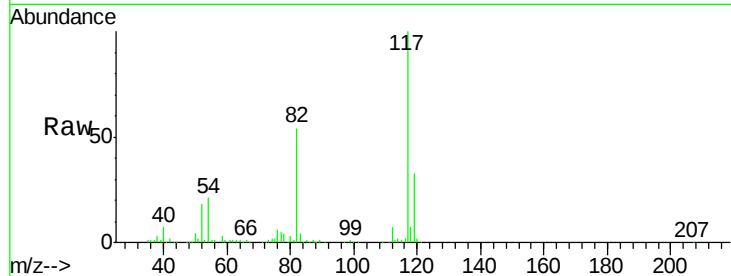




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065369.D
Acq: 02 Mar 2020 10:04

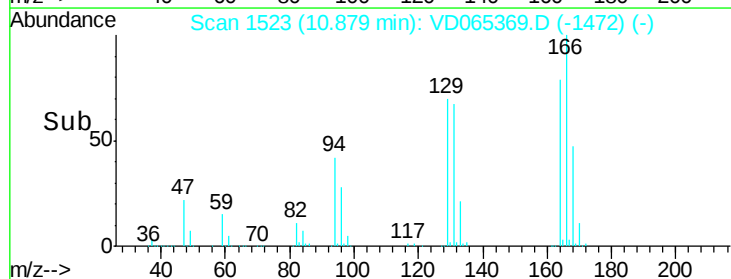
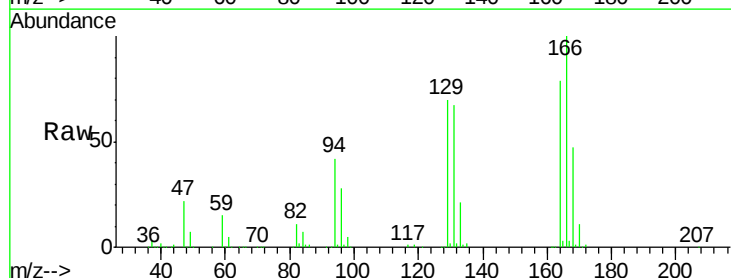
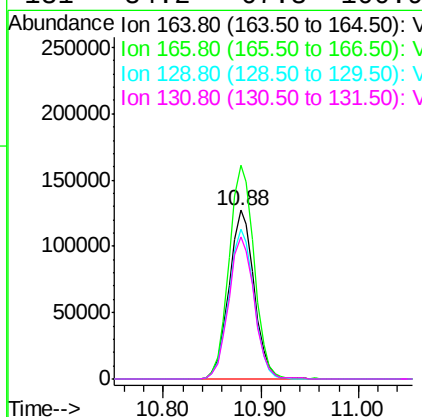
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

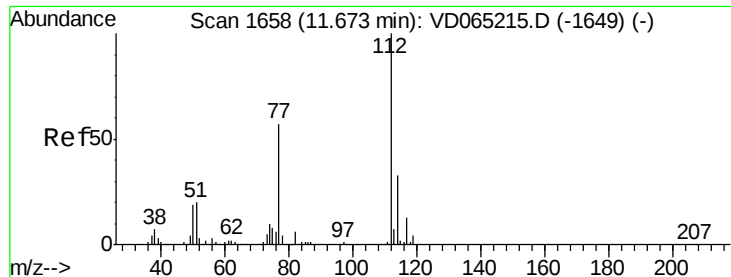
Tgt Ion:117 Resp: 597185
Ion Ratio Lower Upper
117 100
82 53.7 42.7 64.1
119 33.1 25.5 38.3



#64
Tetrachloroethene
Concen: 53.48 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065369.D
Acq: 02 Mar 2020 10:04

Tgt Ion:164 Resp: 226501
Ion Ratio Lower Upper
164 100
166 126.5 98.4 147.6
129 88.7 71.6 107.4
131 84.2 67.3 100.9

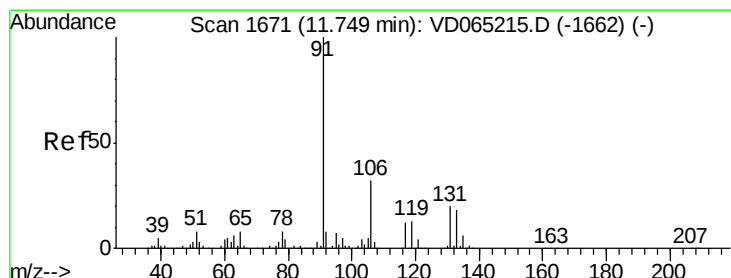
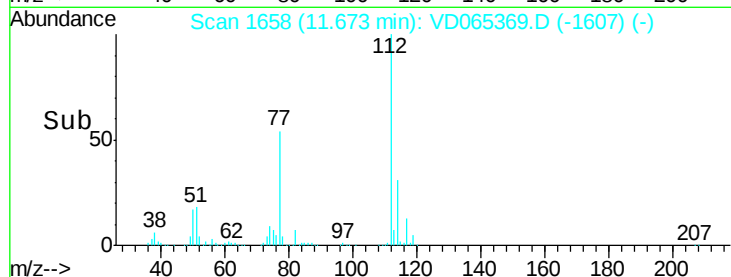
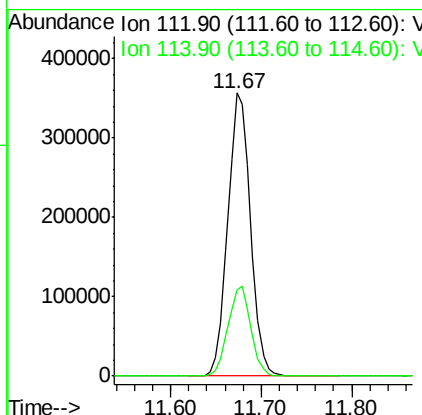
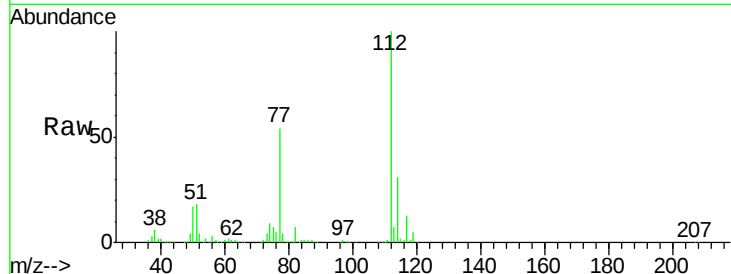




#65
Chlorobenzene
Concen: 51.83 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065369.D
Acq: 02 Mar 2020 10:04

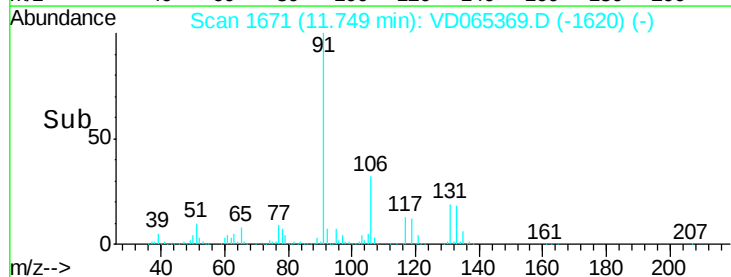
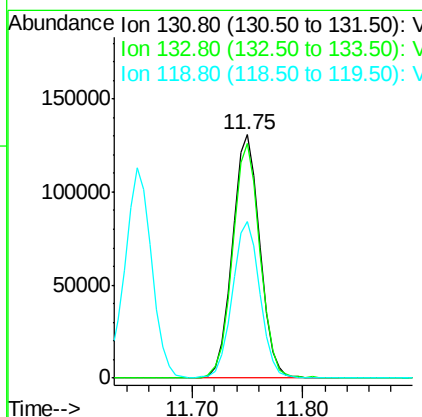
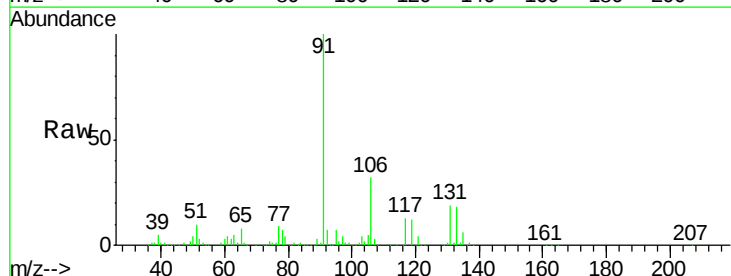
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

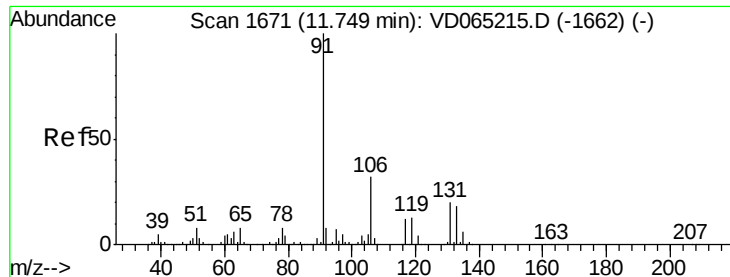
Tgt Ion:112 Resp: 621090
Ion Ratio Lower Upper
112 100
114 30.7 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.02 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065369.D
Acq: 02 Mar 2020 10:04

Tgt Ion:131 Resp: 228169
Ion Ratio Lower Upper
131 100
133 96.1 47.7 143.1
119 64.6 32.7 98.1

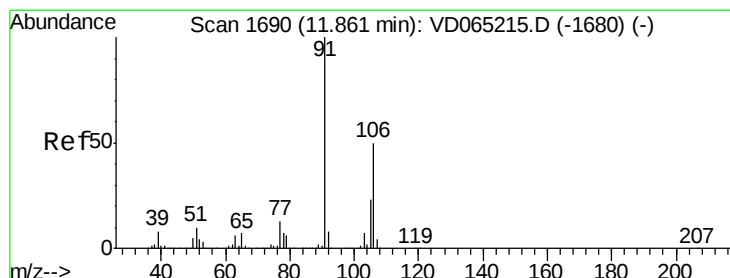
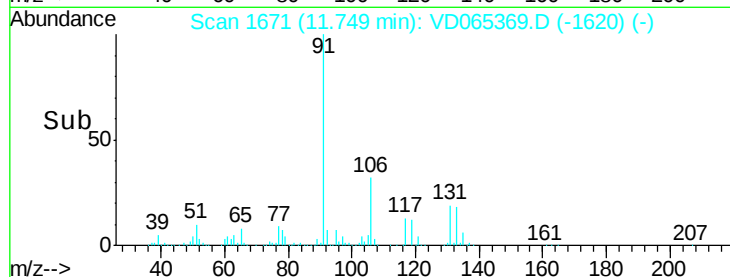
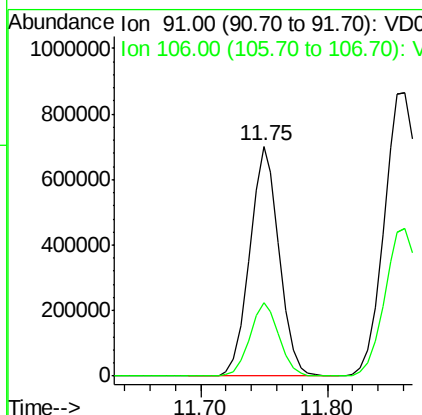
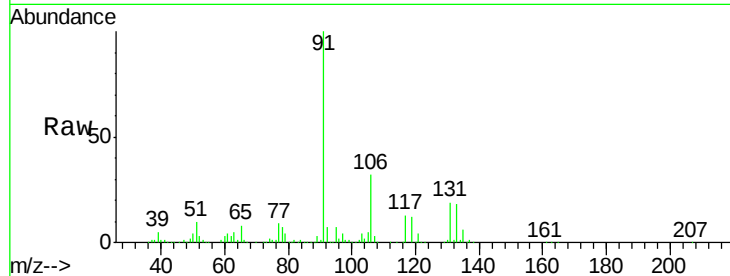




#67
Ethyl Benzene
Concen: 53.79 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065369.D
Acq: 02 Mar 2020 10:04

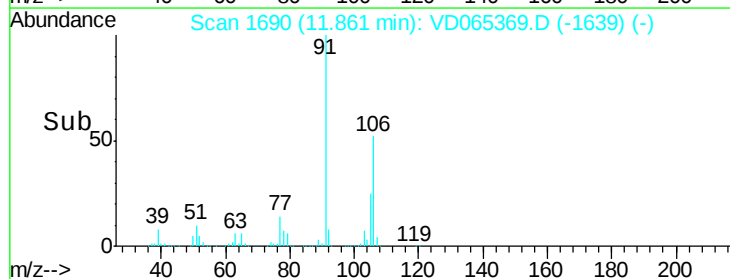
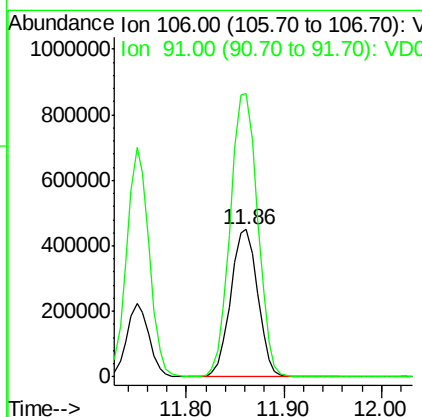
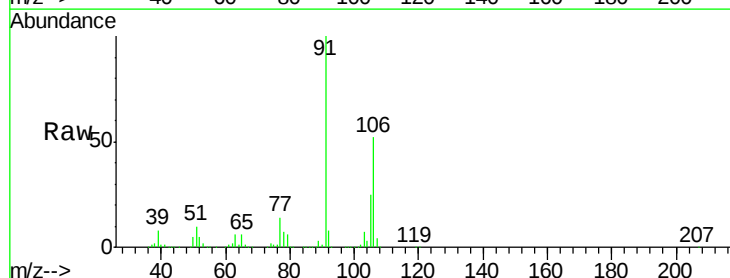
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

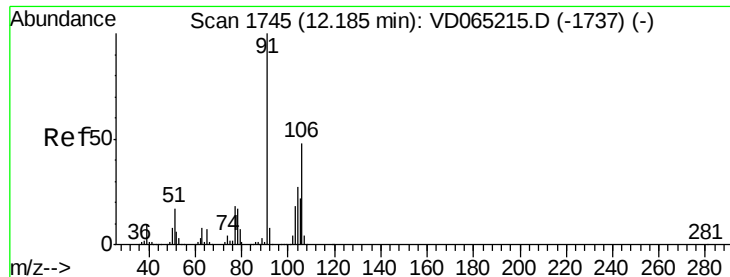
Tgt Ion: 91 Resp: 1128925
Ion Ratio Lower Upper
91 100
106 31.8 25.2 37.8



#68
m/p-Xylenes
Concen: 108.29 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065369.D
Acq: 02 Mar 2020 10:04

Tgt Ion: 106 Resp: 869586
Ion Ratio Lower Upper
106 100
91 194.9 158.2 237.4

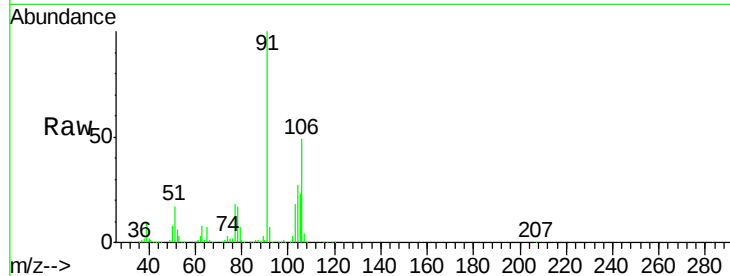




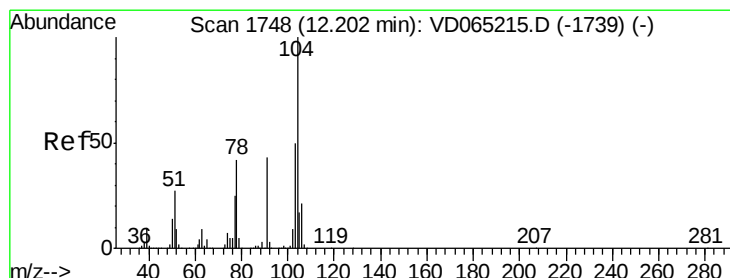
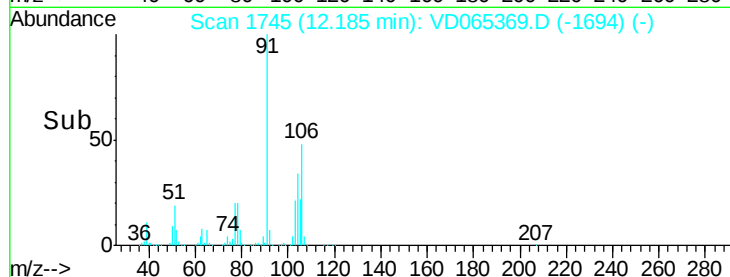
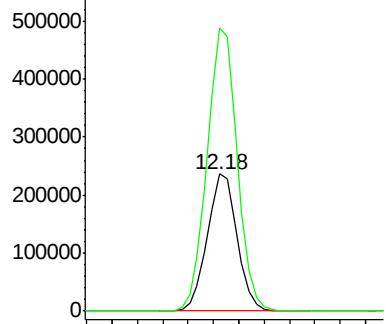
#69
o-Xylene
Concen: 53.95 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065369.D
Acq: 02 Mar 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 383837
Ion Ratio Lower Upper
106 100
91 208.2 104.7 313.9

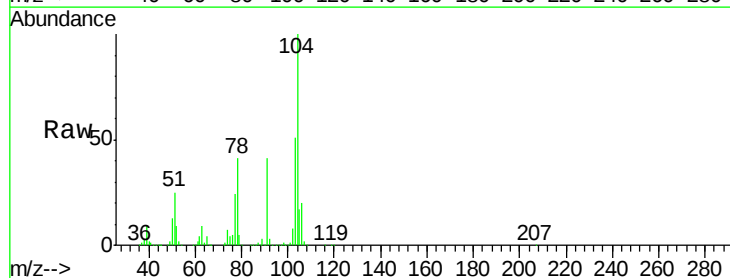


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

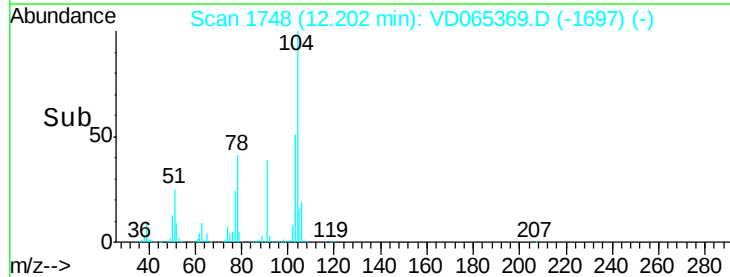
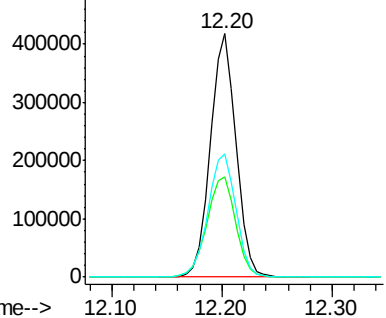


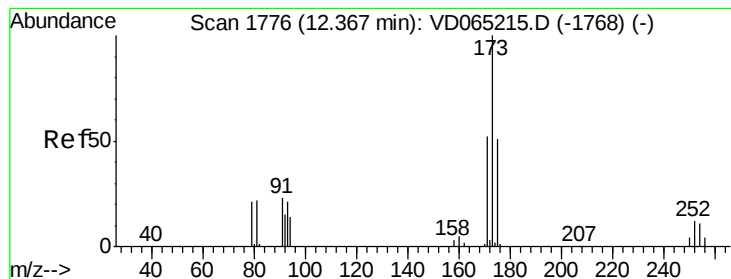
#70
Styrene
Concen: 54.07 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065369.D
Acq: 02 Mar 2020 10:04

Tgt Ion:104 Resp: 682911
Ion Ratio Lower Upper
104 100
78 46.4 37.8 56.6
103 55.2 43.4 65.2



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





#71

Bromoform

Concen: 49.10 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

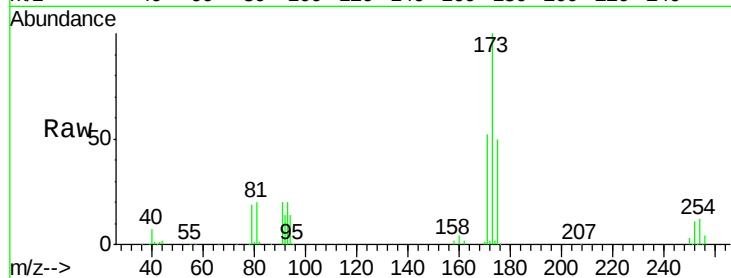
Tgt Ion:173 Resp: 121853

Ion Ratio Lower Upper

173 100

175 48.7 24.4 73.4

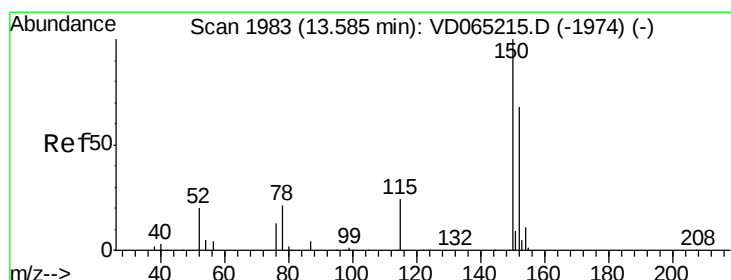
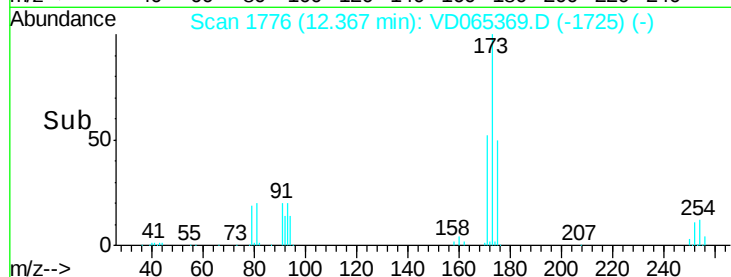
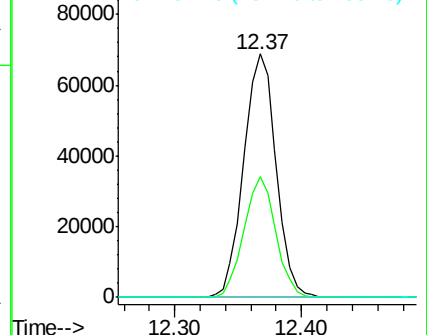
254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

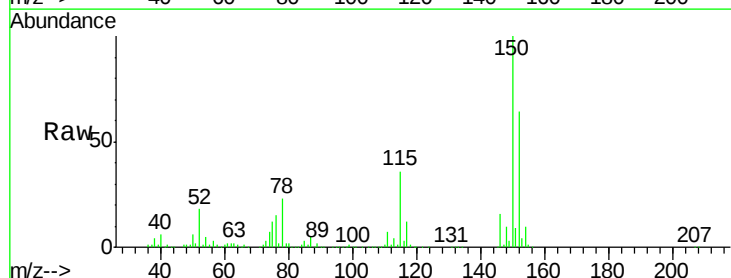
Tgt Ion:152 Resp: 296869

Ion Ratio Lower Upper

152 100

115 55.6 27.6 82.8

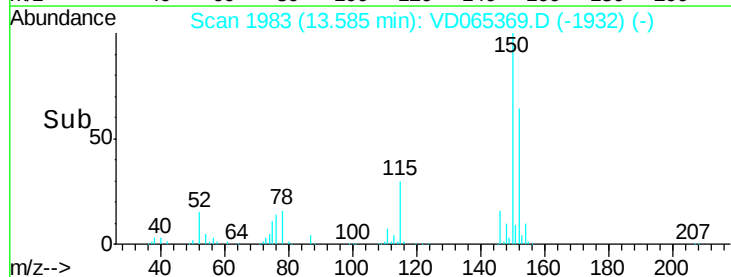
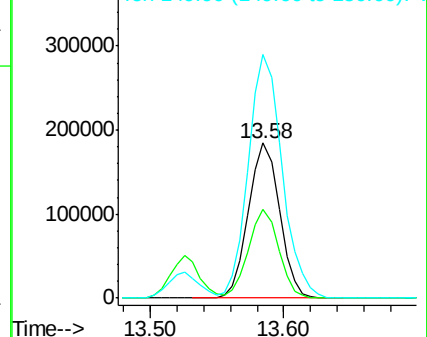
150 170.7 0.0 347.4

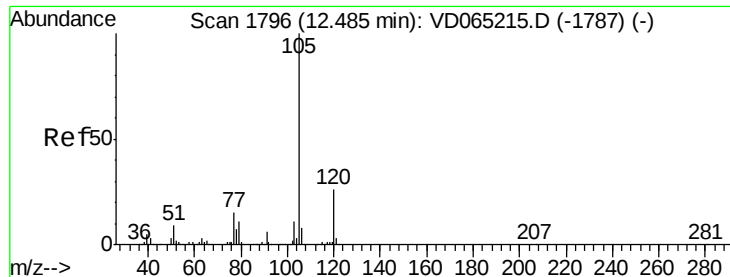


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.84 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

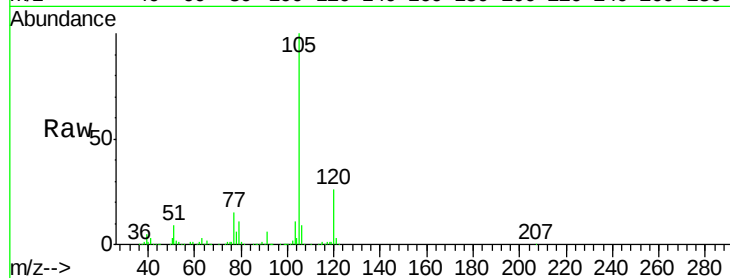
VSTDCCC050

Tgt Ion: 105 Resp: 1077782

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

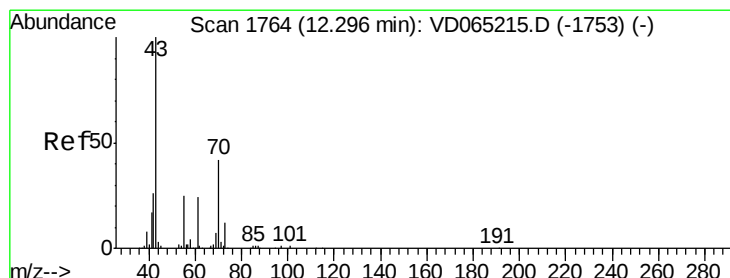
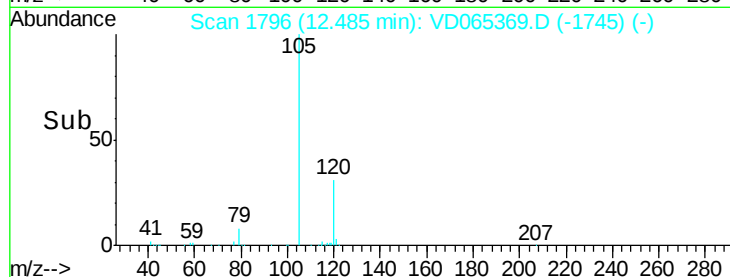
400000

200000

0

12.40 12.50 12.60

Time-->



#74

N-ethyl acetate

Concen: 44.87 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Tgt Ion: 43 Resp: 195937

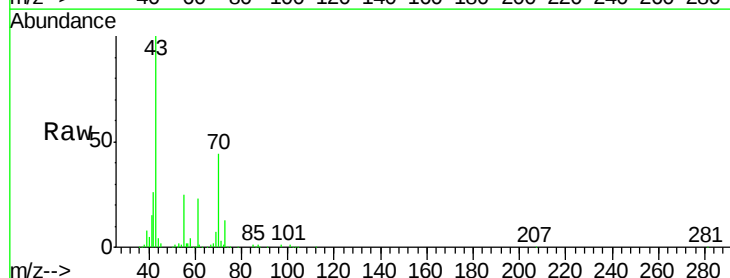
Ion Ratio Lower Upper

43 100

70 44.1 33.7 50.5

55 27.5 20.7 31.1

61 24.1 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

200000

150000

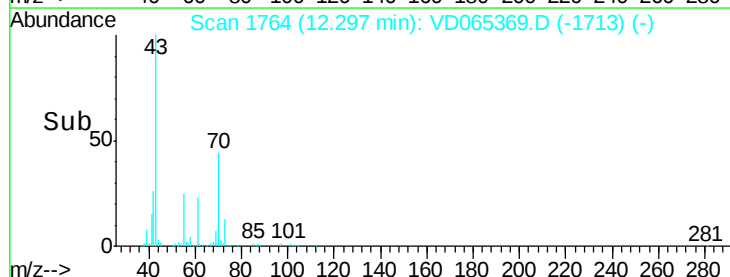
100000

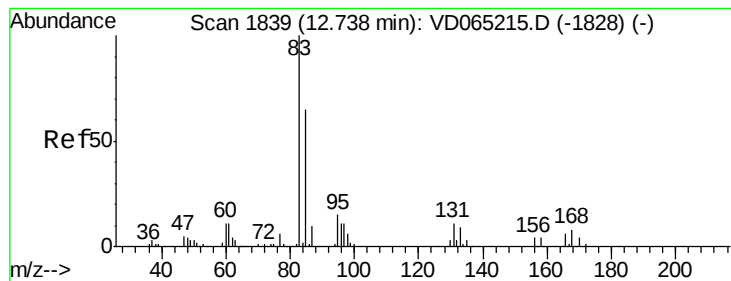
50000

0

12.20 12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 46.44 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

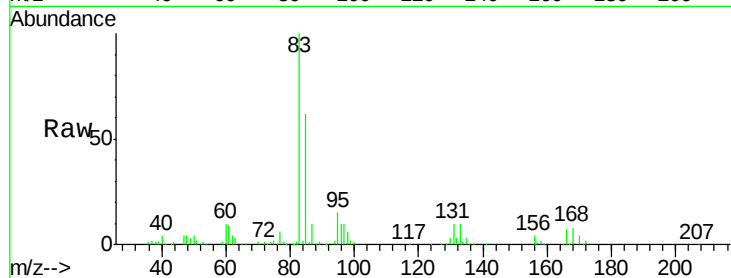
Tgt Ion: 83 Resp: 164739

Ion Ratio Lower Upper

83 100

131 10.9 5.4 16.2

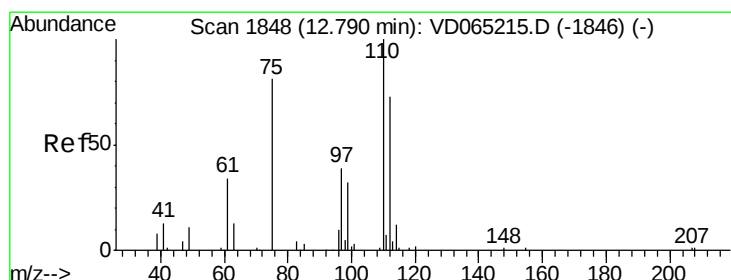
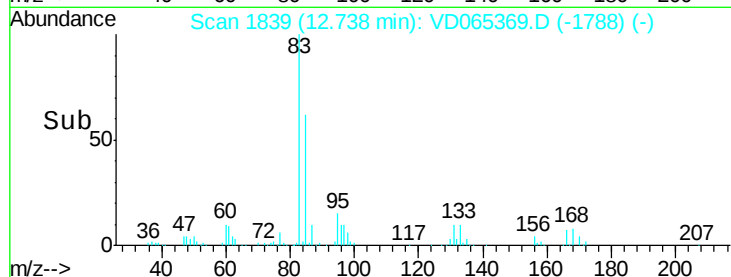
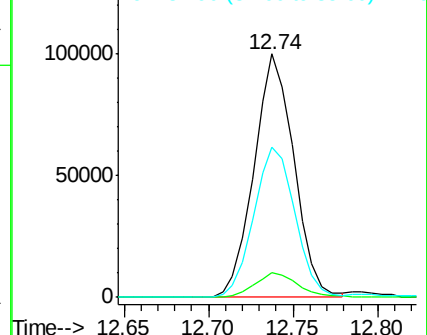
85 63.7 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 84.57 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065369.D

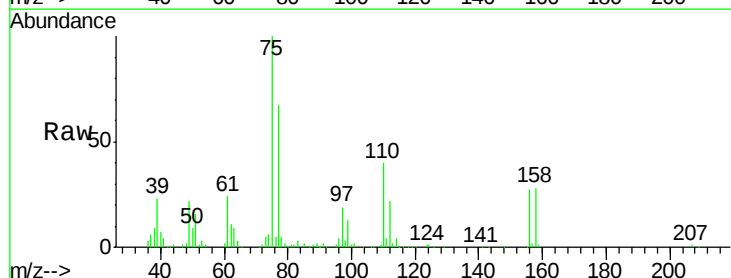
Acq: 02 Mar 2020 10:04

Tgt Ion: 75 Resp: 213607

Ion Ratio Lower Upper

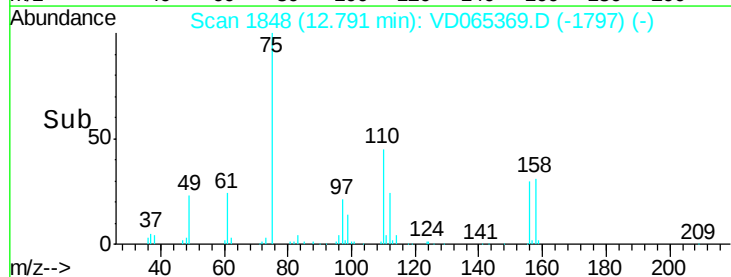
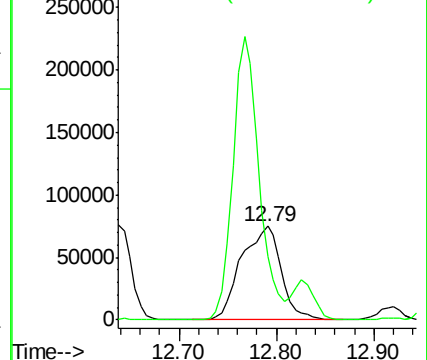
75 100

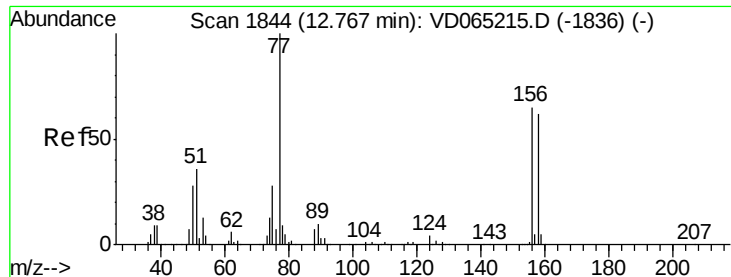
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.90 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

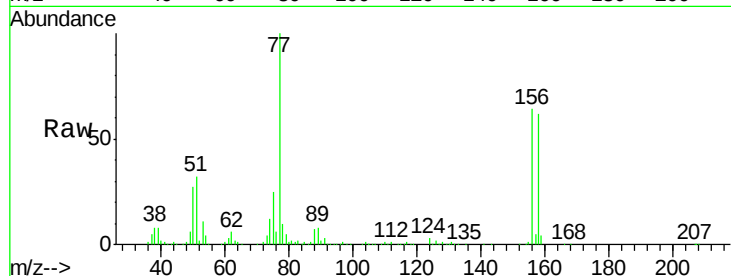
Tgt Ion:156 Resp: 248396

Ion Ratio Lower Upper

156 100

77 169.9 86.6 259.7

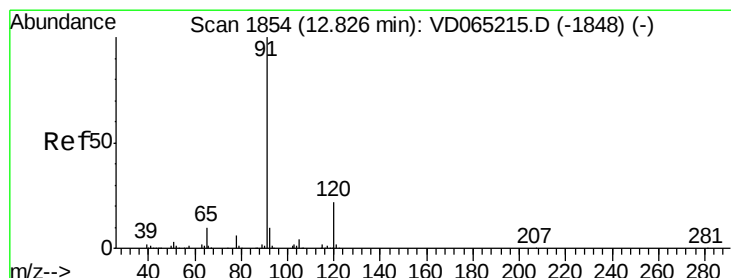
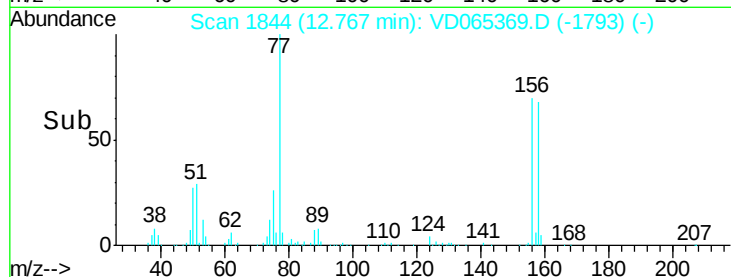
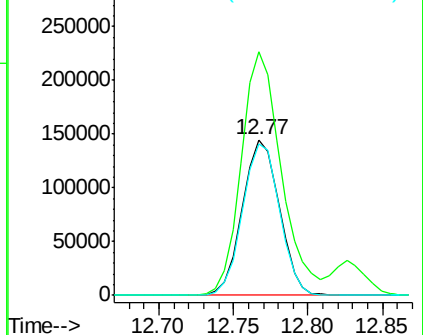
158 97.4 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.77 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065369.D

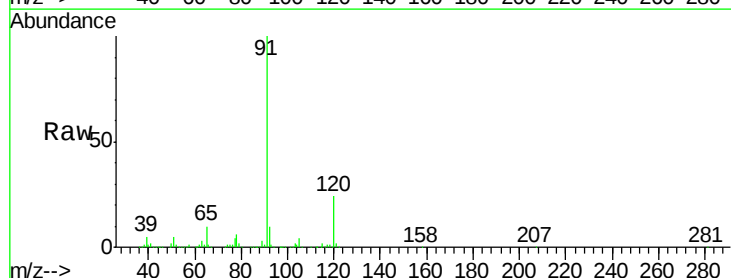
Acq: 02 Mar 2020 10:04

Tgt Ion: 91 Resp: 1293607

Ion Ratio Lower Upper

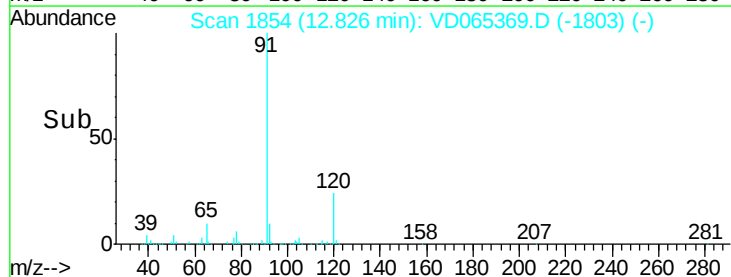
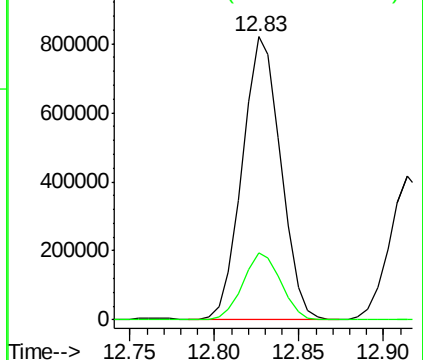
91 100

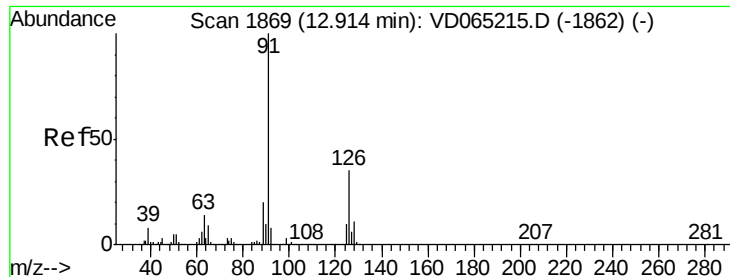
120 23.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.69 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

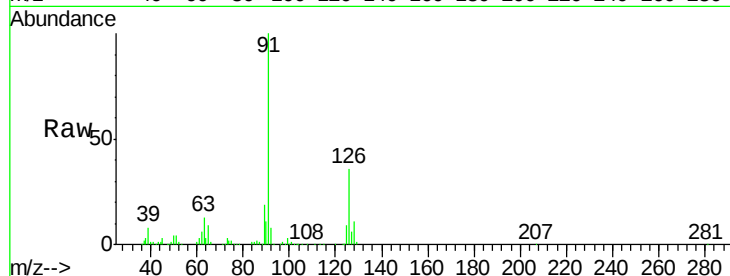
VSTDCCC050

Tgt Ion: 91 Resp: 697125

Ion Ratio Lower Upper

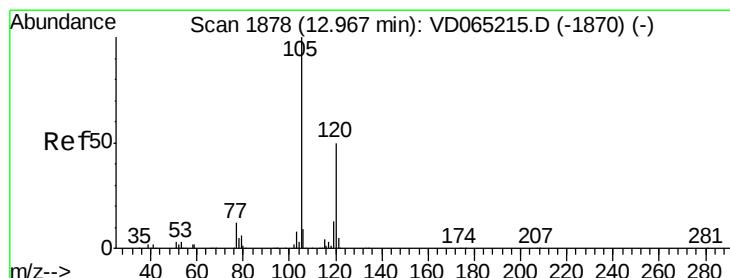
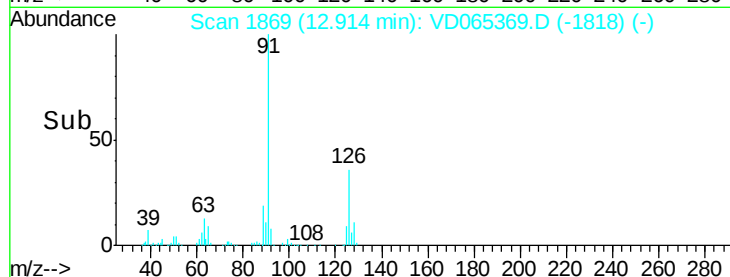
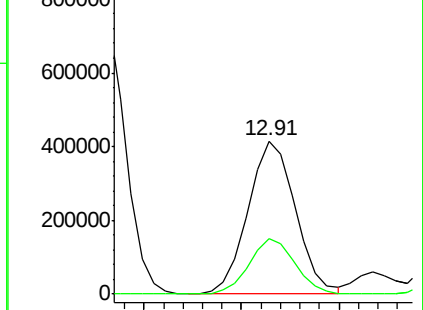
91 100

126 35.2 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 54.69 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065369.D

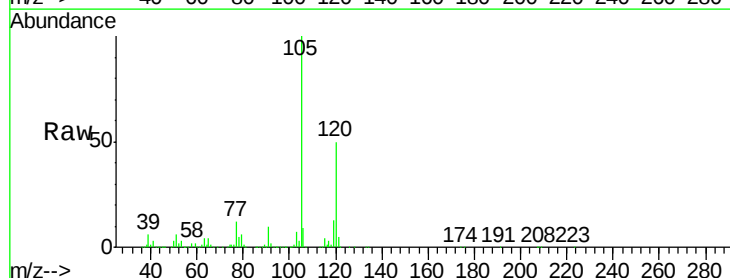
Acq: 02 Mar 2020 10:04

Tgt Ion: 105 Resp: 885375

Ion Ratio Lower Upper

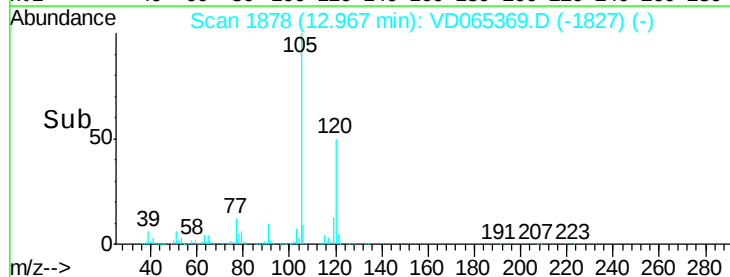
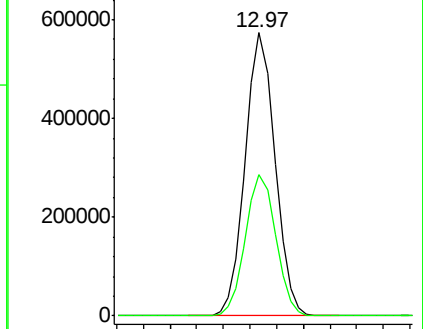
105 100

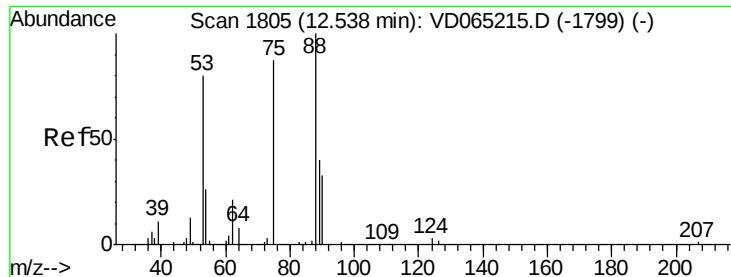
120 51.0 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 45.39 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

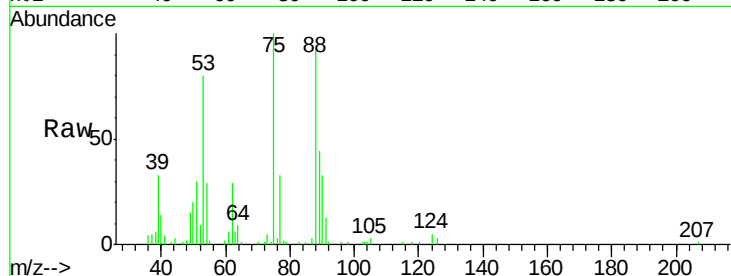
Tgt Ion: 75 Resp: 53103

Ion Ratio Lower Upper

75 100

53 89.0 77.6 116.4

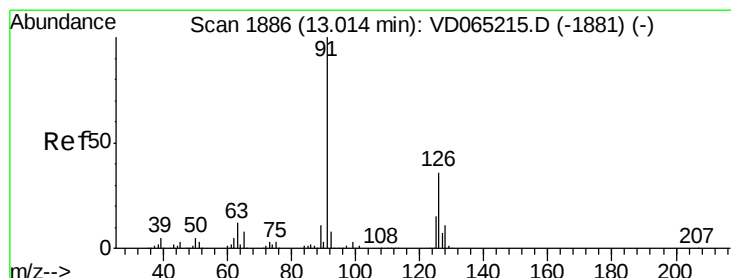
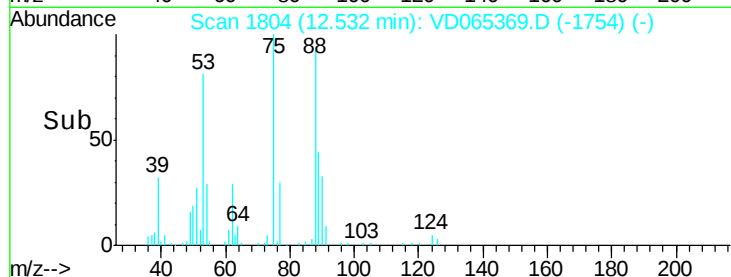
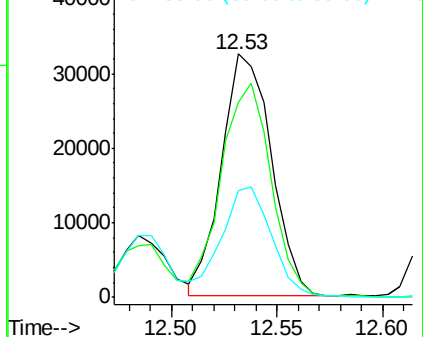
89 46.2 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 51.81 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065369.D

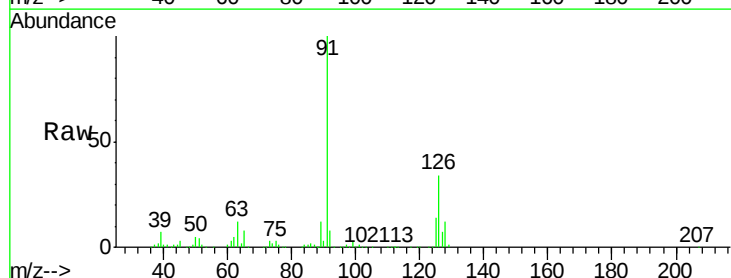
Acq: 02 Mar 2020 10:04

Tgt Ion: 91 Resp: 727801

Ion Ratio Lower Upper

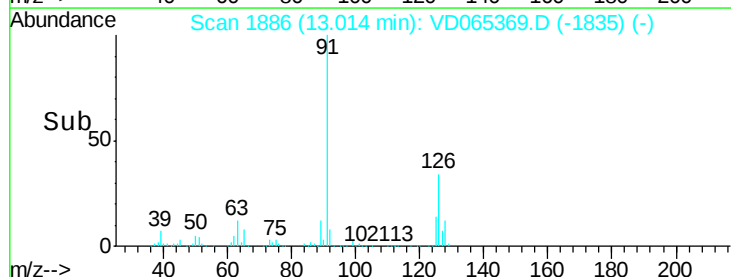
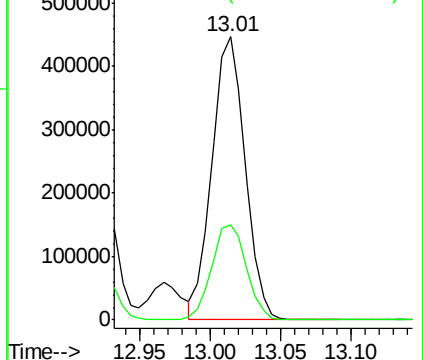
91 100

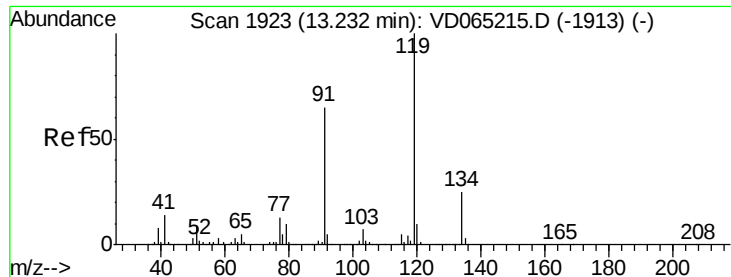
126 35.5 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

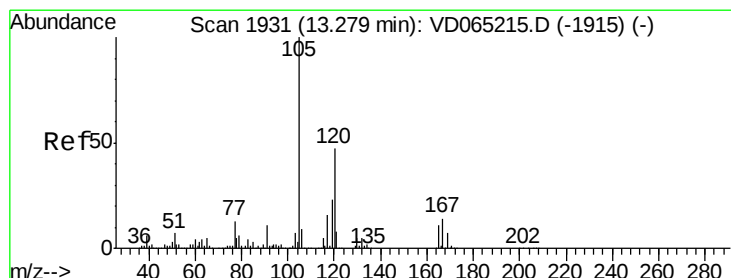
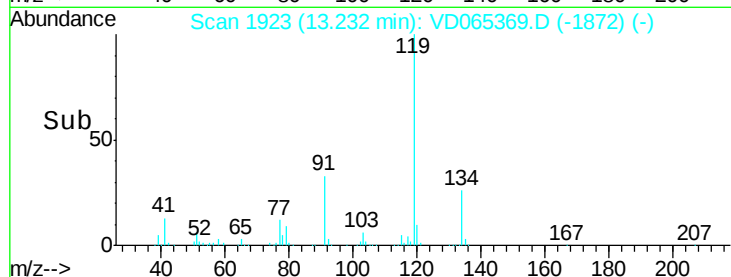
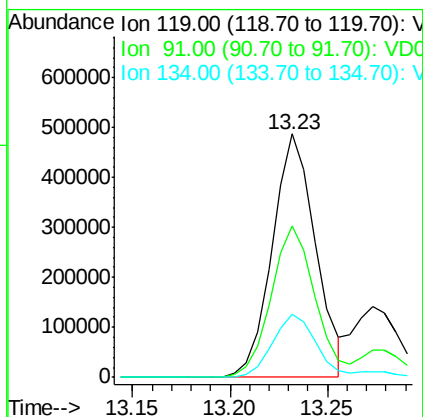
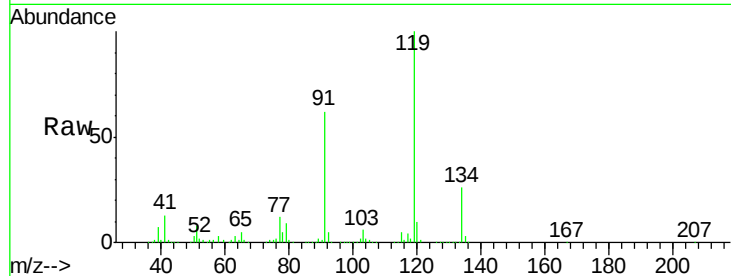




#83
 tert-Butylbenzene
 Concen: 55.20 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065369.D
 Acq: 02 Mar 2020 10:04

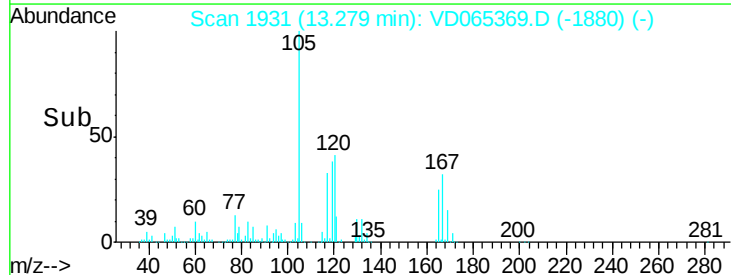
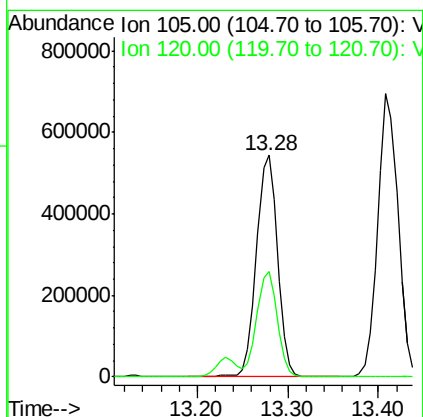
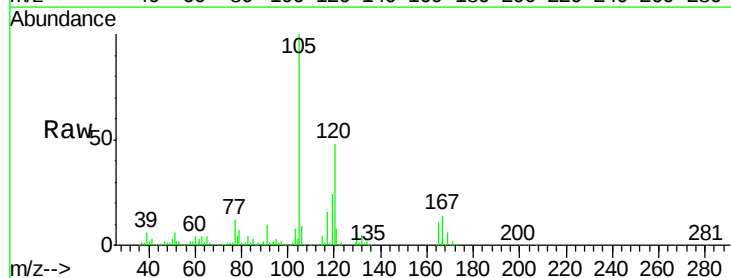
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

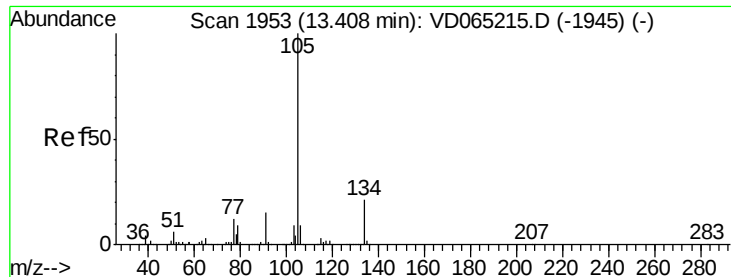
Tgt Ion:119 Resp: 748933
 Ion Ratio Lower Upper
 119 100
 91 63.2 31.9 95.5
 134 28.0 13.8 41.3



#84
 1,2,4-Trimethylbenzene
 Concen: 54.29 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065369.D
 Acq: 02 Mar 2020 10:04

Tgt Ion:105 Resp: 879612
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.3 69.9

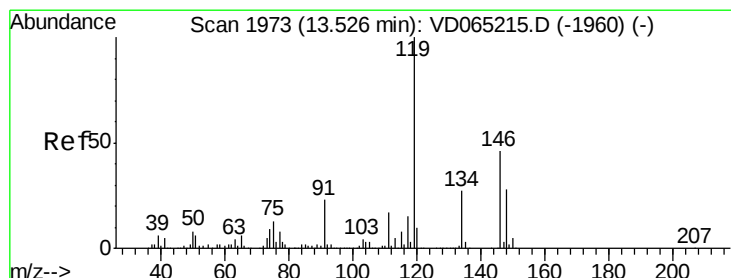
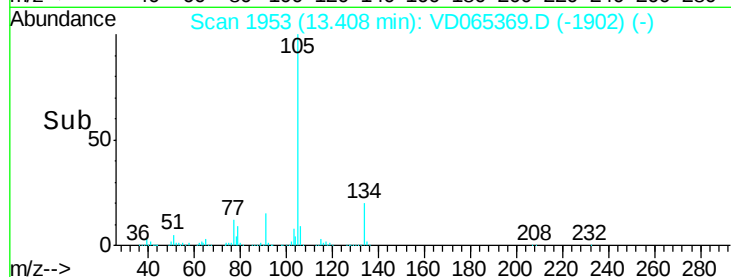
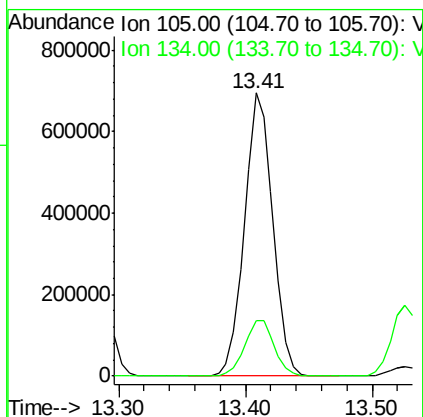
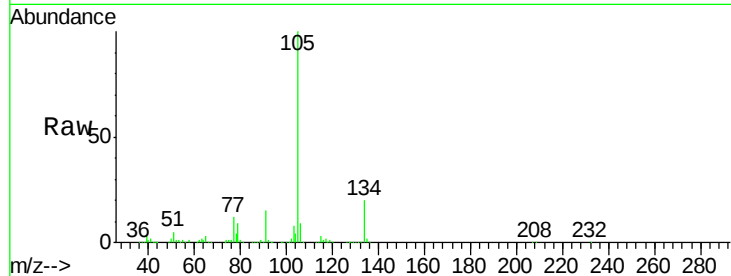




#85
 sec-Butylbenzene
 Concen: 54.90 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065369.D
 Acq: 02 Mar 2020 10:04

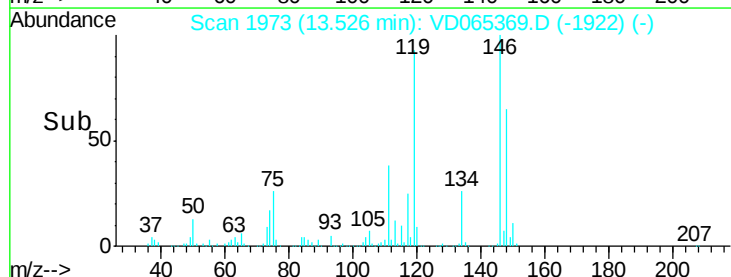
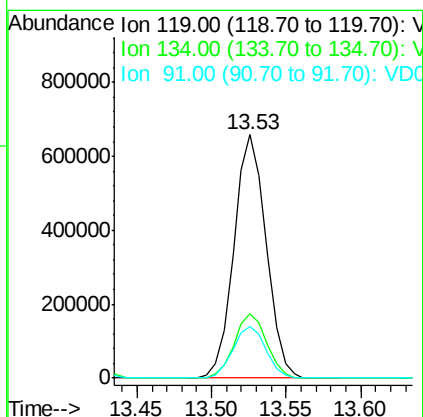
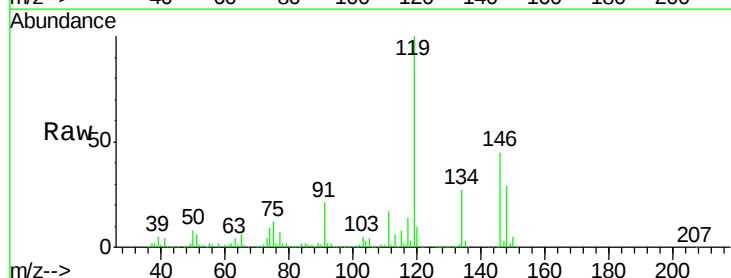
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

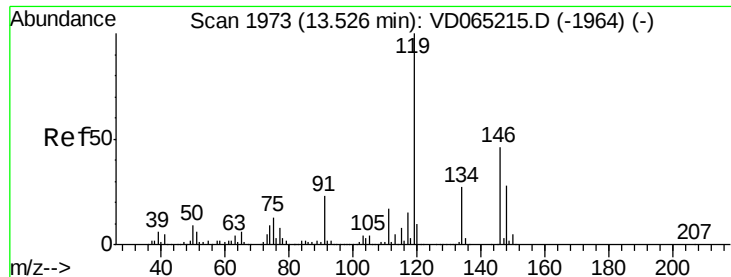
Tgt Ion:105 Resp: 1073199
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 55.19 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065369.D
 Acq: 02 Mar 2020 10:04

Tgt Ion:119 Resp: 986713
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.3 39.8
 91 21.8 11.1 33.1

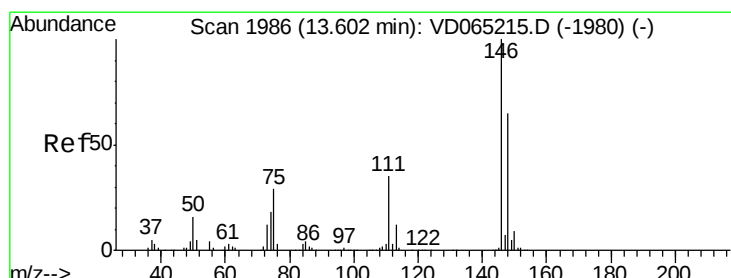
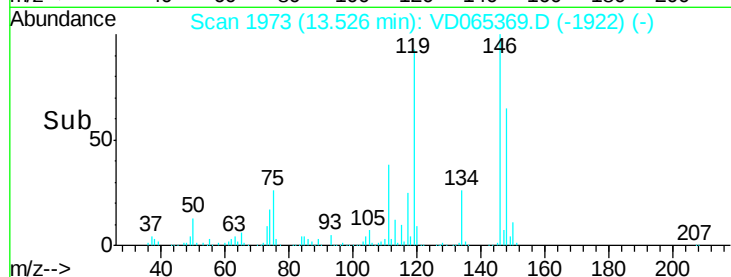
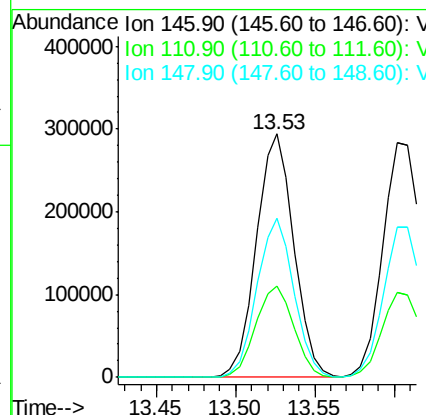
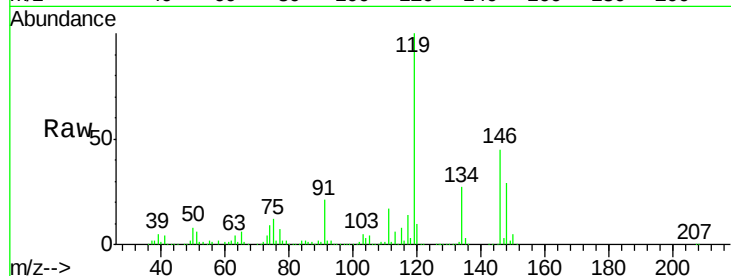




#87
 1,3-Dichlorobenzene
 Concen: 51.20 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065369.D
 Acq: 02 Mar 2020 10:04

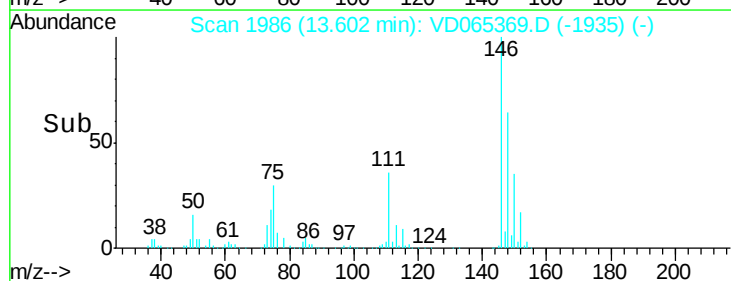
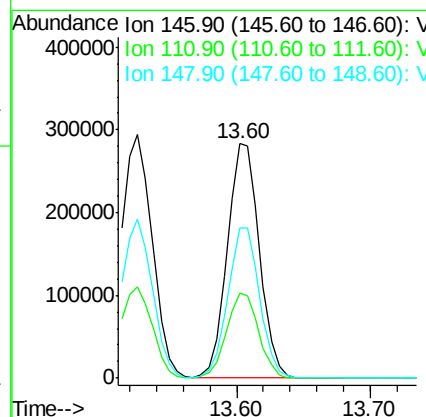
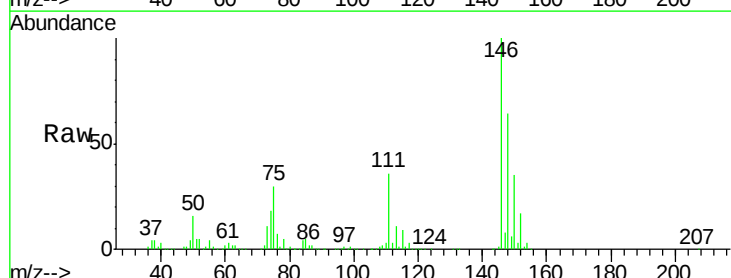
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

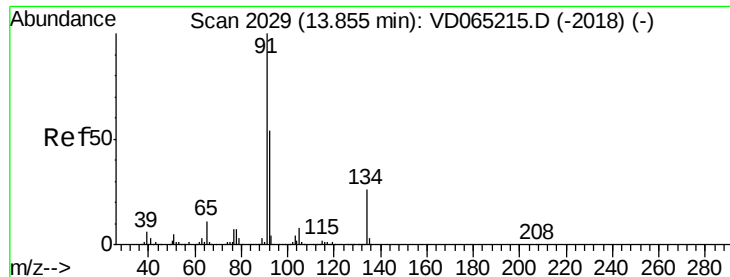
Tgt Ion:146 Resp: 483054
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.6 55.8
 148 64.6 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 51.27 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065369.D
 Acq: 02 Mar 2020 10:04

Tgt Ion:146 Resp: 477380
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.4 55.2
 148 63.6 32.1 96.5





#89

n-Butylbenzene

Concen: 56.12 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

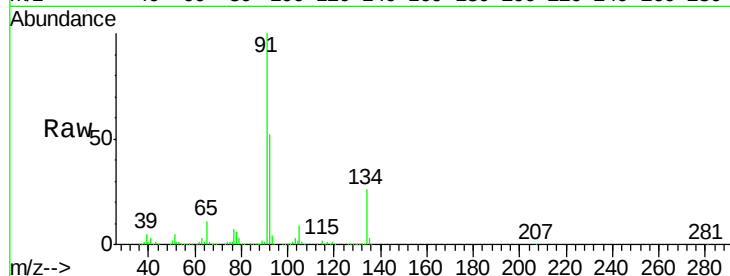
Tgt Ion: 91 Resp: 924562

Ion Ratio Lower Upper

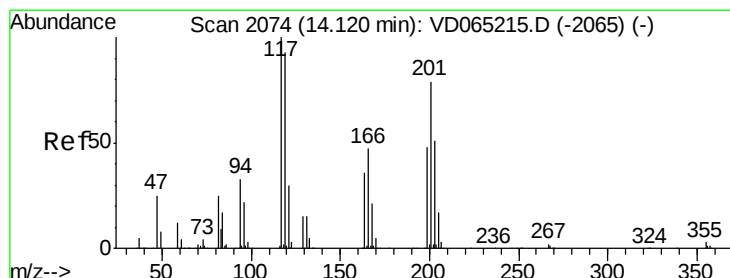
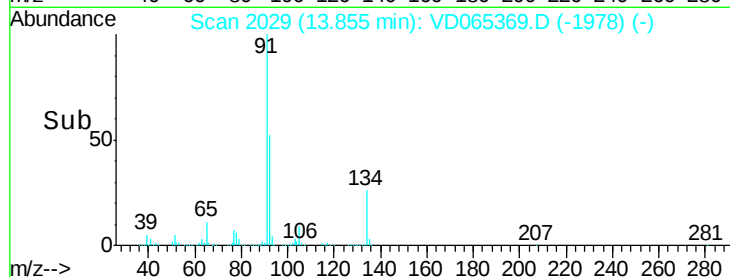
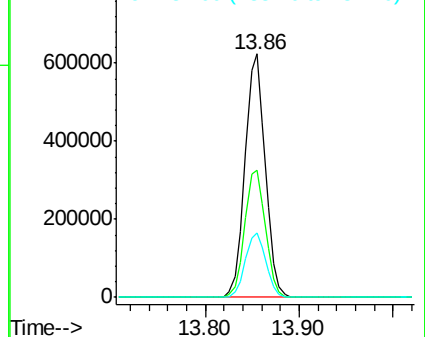
91 100

92 53.5 27.0 80.8

134 26.8 13.5 40.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 53.20 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD065369.D

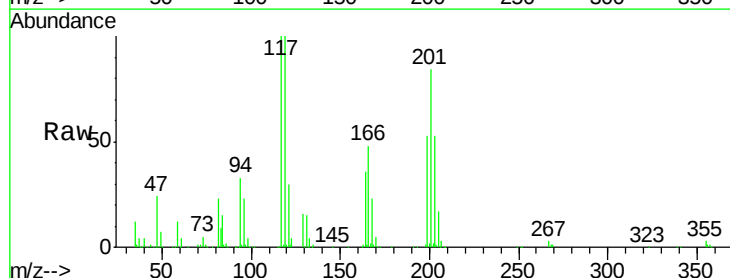
Acq: 02 Mar 2020 10:04

Tgt Ion: 117 Resp: 193105

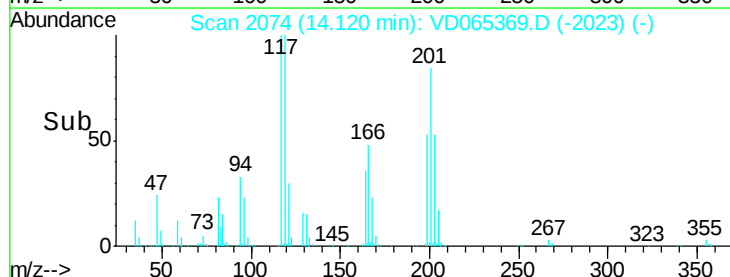
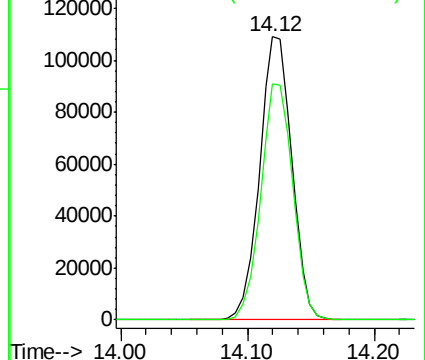
Ion Ratio Lower Upper

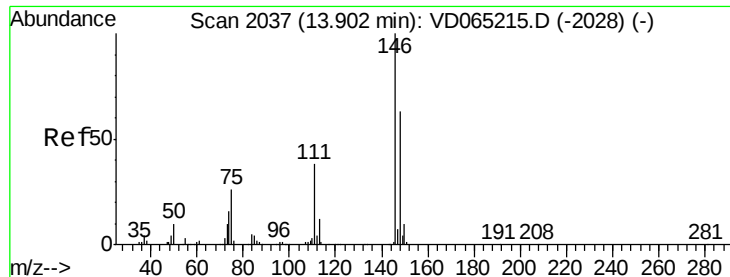
117 100

201 82.8 41.3 124.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

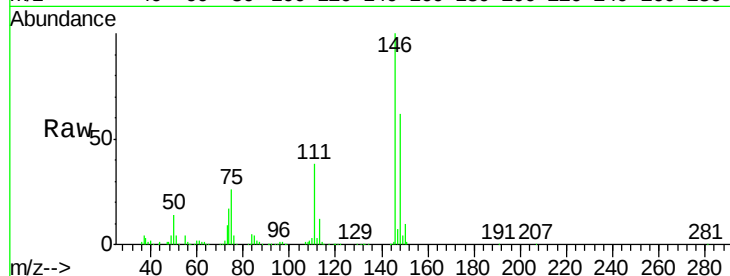




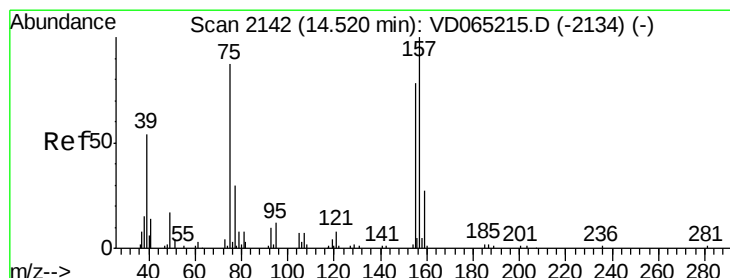
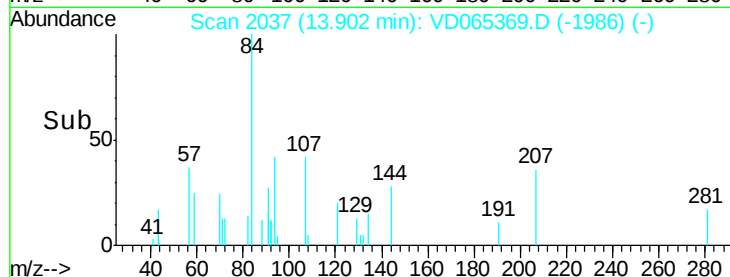
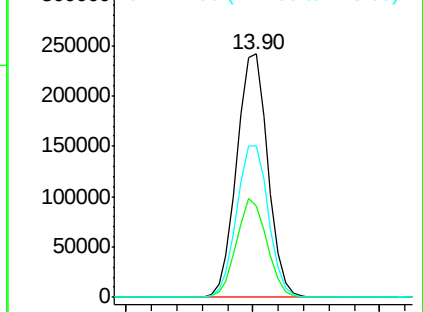
#91
 1,2-Dichlorobenzene
 Concen: 50.81 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065369.D
 Acq: 02 Mar 2020 10:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 411611
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.7 59.0
 148 63.7 32.0 96.2

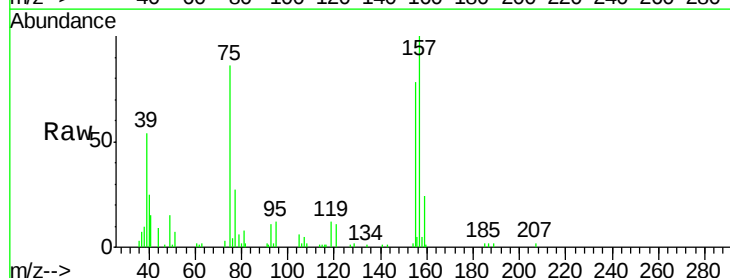


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

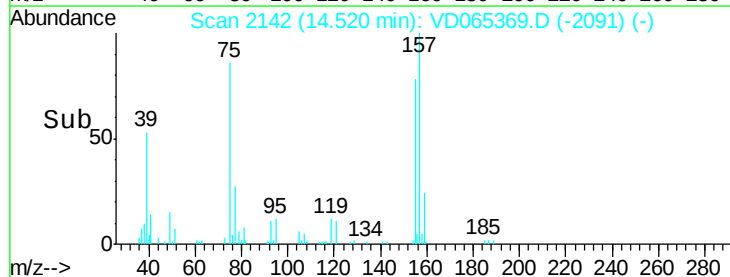
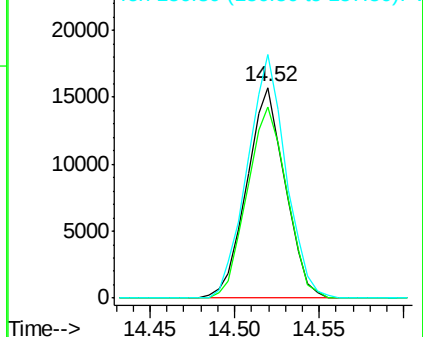


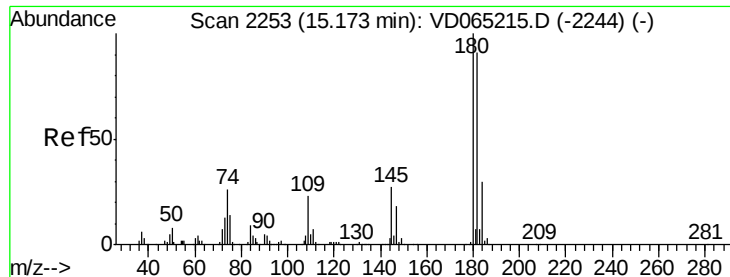
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.50 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065369.D
 Acq: 02 Mar 2020 10:04

Tgt Ion: 75 Resp: 24869
 Ion Ratio Lower Upper
 75 100
 155 93.3 42.3 126.9
 157 116.3 56.7 170.1



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

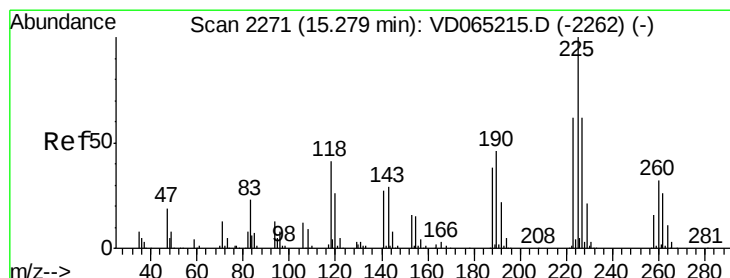
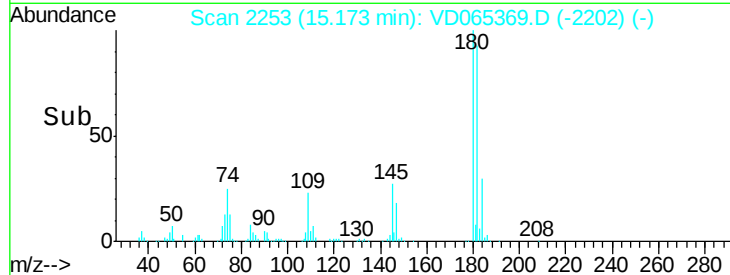
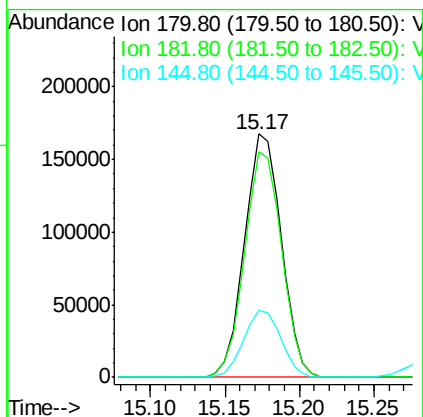
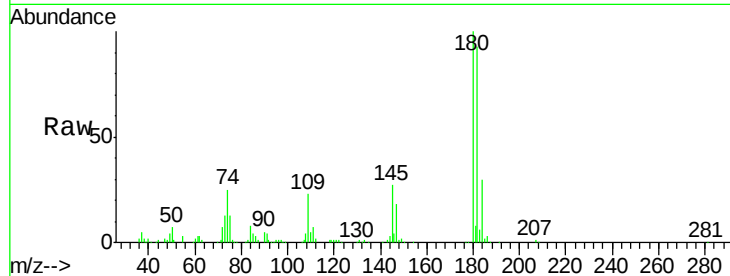




#93
 1,2,4-Trichlorobenzene
 Concen: 54.05 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065369.D
 Acq: 02 Mar 2020 10:04

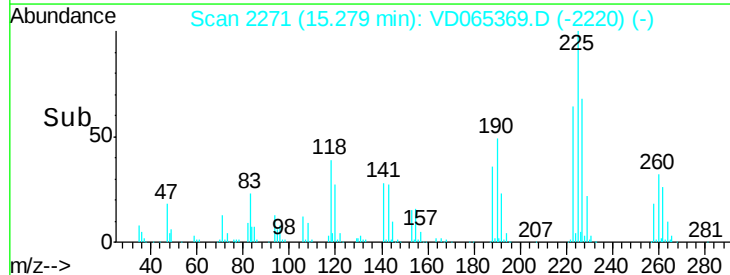
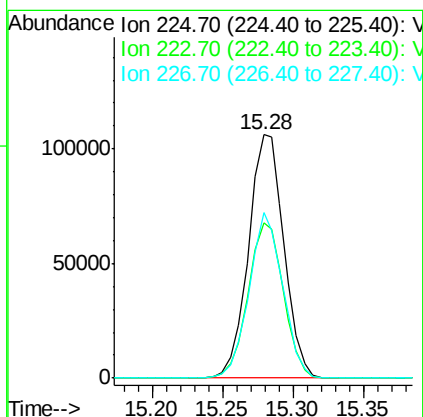
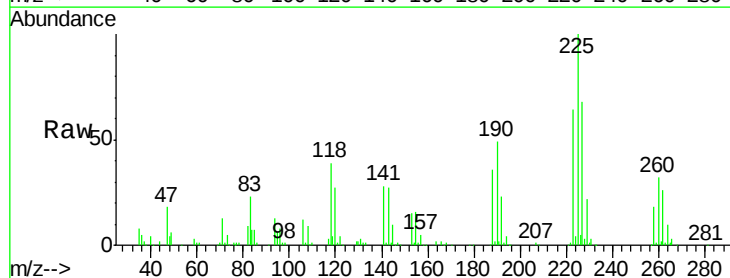
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

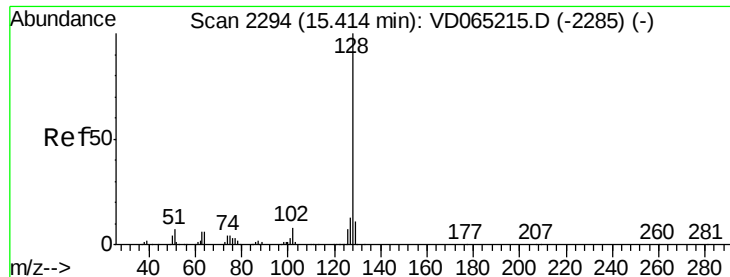
Tgt Ion:180 Resp: 286415
 Ion Ratio Lower Upper
 180 100
 182 93.2 46.9 140.6
 145 27.9 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 54.98 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065369.D
 Acq: 02 Mar 2020 10:04

Tgt Ion:225 Resp: 186885
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.4 94.2
 227 64.4 31.7 95.1





#95

Naphthalene

Concen: 50.99 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

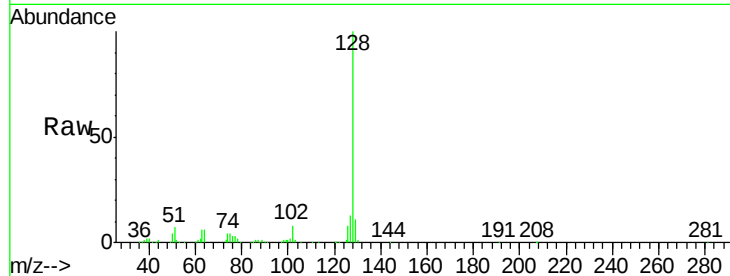
Tgt Ion:128 Resp: 439254

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

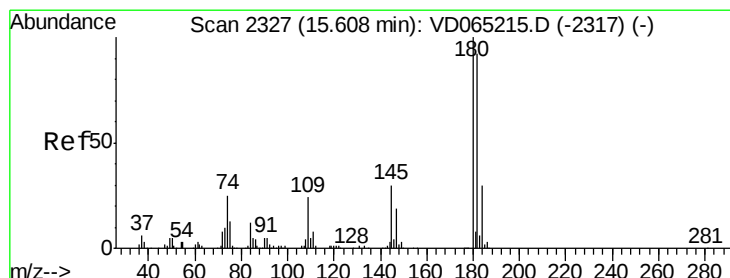
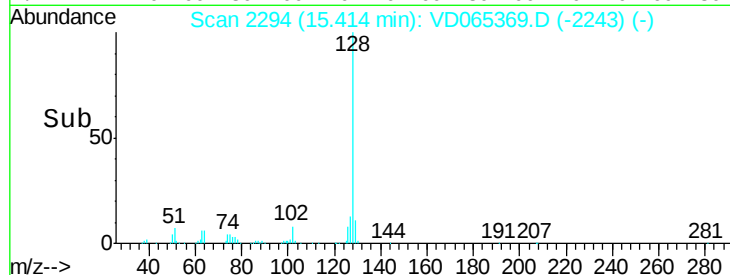
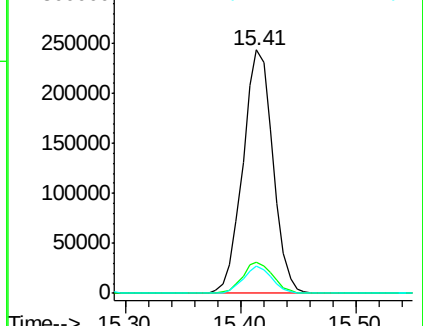
129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.08 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

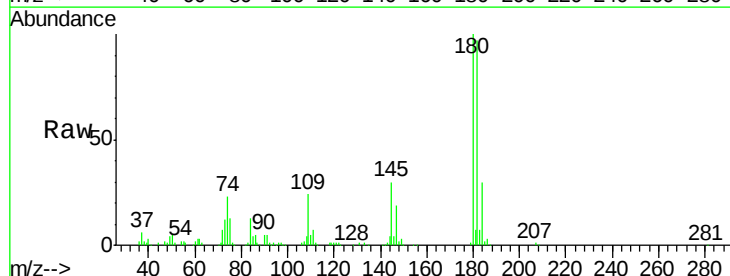
Tgt Ion:180 Resp: 241023

Ion Ratio Lower Upper

180 100

182 95.6 46.9 140.6

145 30.6 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

