

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031120\NOT REVIEWED DATA\
 Data File : VD065473.D
 Acq On : 11 Mar 2020 10:56
 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 16 11:07:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	490078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	682395	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	620387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	309794	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	193399	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
35) Dibromofluoromethane	7.91	113	204475	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
50) Toluene-d8	10.34	98	804949	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
62) 4-Bromofluorobenzene	12.64	95	254075	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	185285	43.99	ug/l	99
3) Chloromethane	2.21	50	230367	45.30	ug/l	99
4) Vinyl Chloride	2.35	62	236295	47.11	ug/l	97
5) Bromomethane	2.77	94	146251	52.25	ug/l	98
6) Chloroethane	2.93	64	149104	48.54	ug/l	96
7) Trichlorofluoromethane	3.27	101	362969	49.11	ug/l	99
8) Diethyl Ether	3.70	74	106308	48.37	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	235618	49.50	ug/l	100
10) Methyl Iodide	4.29	142	251713	50.90	ug/l	99
11) Tert butyl alcohol	5.24	59	59687	247.53	ug/l	97
12) 1,1-Dichloroethene	4.06	96	219965	48.26	ug/l	95
13) Acrolein	3.93	56	98991	238.04	ug/l	99
14) Allyl chloride	4.71	41	333776	47.67	ug/l	100
15) Acrylonitrile	5.43	53	237452	248.35	ug/l	98
16) Acetone	4.16	43	244687	287.80	ug/l	99
17) Carbon Disulfide	4.40	76	720821	47.49	ug/l	100
18) Methyl Acetate	4.72	43	104071	48.26	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	441945	50.42	ug/l	99
20) Methylene Chloride	4.96	84	245930	53.51	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	256487	50.59	ug/l	99
22) Diisopropyl ether	6.37	45	682362	52.43	ug/l	98
23) Vinyl Acetate	6.31	43	1928255	266.82	ug/l	100
24) 1,1-Dichloroethane	6.27	63	412085	49.36	ug/l	98
25) 2-Butanone	7.22	43	301009	259.44	ug/l	97
26) 2,2-Dichloropropane	7.21	77	370943	50.85	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	261721	50.50	ug/l	99
28) Bromochloromethane	7.55	49	167964	50.29	ug/l	100
29) Tetrahydrofuran	7.57	42	186286	251.42	ug/l	98
30) Chloroform	7.71	83	423510	50.75	ug/l	97
31) Cyclohexane	7.99	56	391002	46.84	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	389892	50.56	ug/l	100
36) 1,1-Dichloropropene	8.11	75	349211	53.39	ug/l	99
37) Ethyl Acetate	7.30	43	136265	53.90	ug/l	97
38) Carbon Tetrachloride	8.10	117	361938	53.36	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	423720	53.63	ug/l	96
40) Benzene	8.35	78	986468	53.94	ug/l	100
41) Methacrylonitrile	7.53	41	79288	59.30	ug/l #	80
42) 1,2-Dichloroethane	8.43	62	255584	53.52	ug/l	99
43) Isopropyl Acetate	8.46	43	243587	52.18	ug/l	99
44) Trichloroethene	9.11	130	270866	52.44	ug/l	99
45) 1,2-Dichloropropane	9.39	63	237754	53.67	ug/l	96
46) Dibromomethane	9.48	93	124933	54.37	ug/l	99
47) Bromodichloromethane	9.67	83	323236	54.07	ug/l	99
48) Methyl methacrylate	9.46	41	126825	57.75	ug/l	94
49) 1,4-Dioxane	9.46	88	29079	1106.29	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	648823	276.19	ug/l	99
52) Toluene	10.41	92	629614	54.65	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	302236	54.10	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	366065	54.13	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	176232	54.15	ug/l	97
56) Ethyl methacrylate	10.67	69	204400	55.71	ug/l	99
57) 1,3-Dichloropropane	10.95	76	297367	54.00	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	246222	215.02	ug/l	100
59) 2-Hexanone	10.99	43	477926	293.89	ug/l	100
60) Dibromochloromethane	11.14	129	230909	55.35	ug/l	99
61) 1,2-Dibromoethane	11.25	107	166846	53.74	ug/l	99
64) Tetrachloroethene	10.88	164	238581	53.67	ug/l	98
65) Chlorobenzene	11.67	112	654816	53.34	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	246865	55.21	ug/l	97
67) Ethyl Benzene	11.75	91	1175201	55.40	ug/l	97
68) m/p-Xylenes	11.86	106	915275	111.90	ug/l	100
69) o-Xylene	12.18	106	400025	55.60	ug/l	98
70) Styrene	12.20	104	721778	57.00	ug/l	100
71) Bromoform	12.37	173	138142	55.00	ug/l #	100
73) Isopropylbenzene	12.48	105	1122194	55.07	ug/l	100
74) N-amyl acetate	12.30	43	220840	52.94	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	186779	52.15	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	240053	98.20	ug/l #	100
77) Bromobenzene	12.77	156	271846	53.70	ug/l	99
78) n-propylbenzene	12.83	91	1338280	55.35	ug/l	100
79) 2-Chlorotoluene	12.91	91	735573	53.98	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	923514	55.13	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	60729	52.43	ug/l	97
82) 4-Chlorotoluene	13.01	91	772102	53.92	ug/l	99
83) tert-Butylbenzene	13.23	119	786966	55.53	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	918103	55.60	ug/l	100
85) sec-Butylbenzene	13.41	105	1114775	55.11	ug/l	100
86) p-Isopropyltoluene	13.53	119	1023481	55.44	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	515521	52.97	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	508460	52.52	ug/l	99
89) n-Butylbenzene	13.85	91	948275	55.57	ug/l	99
90) Hexachloroethane	14.12	117	200544	52.75	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	441413	53.29	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	27758	50.89	ug/l	98

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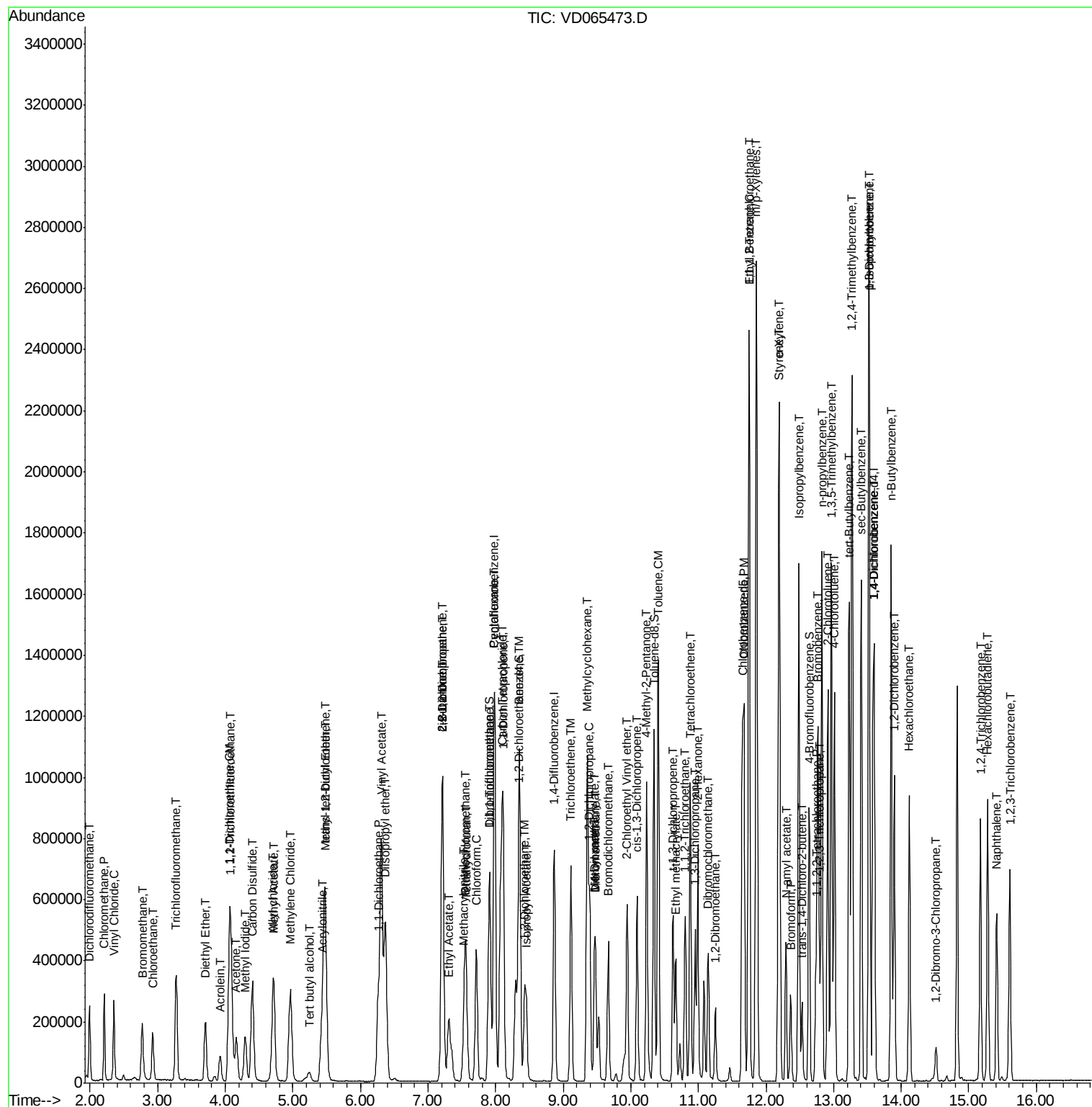
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	299900	53.42	ug/l	98
94) Hexachlorobutadiene	15.28	225	195816	53.09	ug/l	99
95) Naphthalene	15.41	128	489689	49.03	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	265287	54.69	ug/l	100

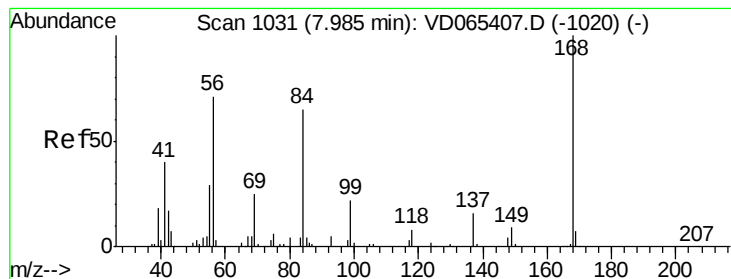
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

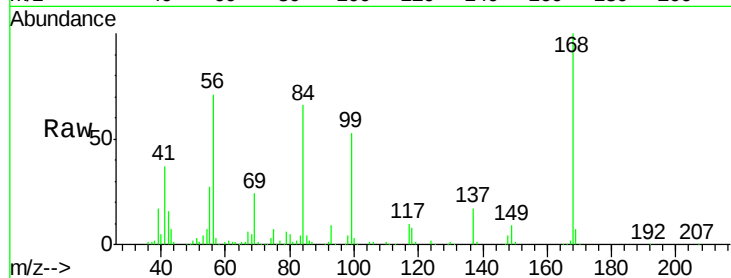
VSTDCCC050

Tgt Ion:168 Resp: 490078

Ion Ratio Lower Upper

168 100

99 53.3 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

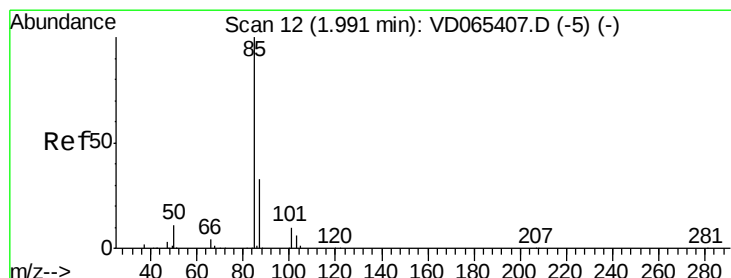
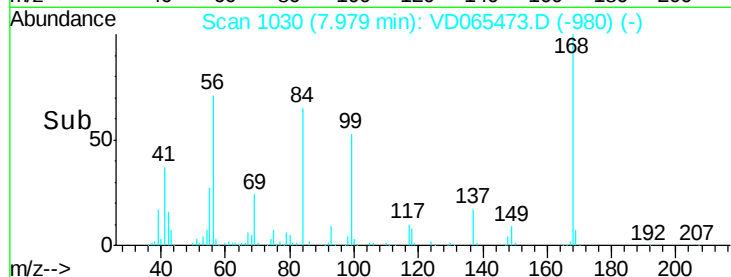
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 43.99 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065473.D

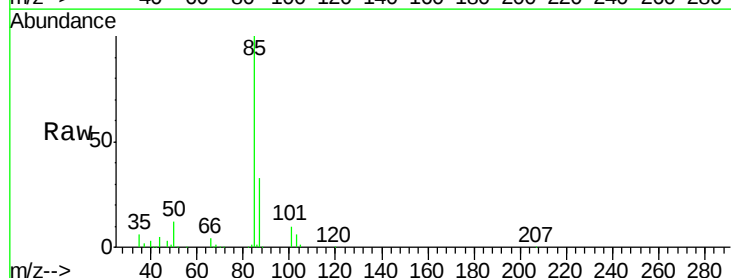
Acq: 11 Mar 2020 10:56

Tgt Ion: 85 Resp: 185285

Ion Ratio Lower Upper

85 100

87 33.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

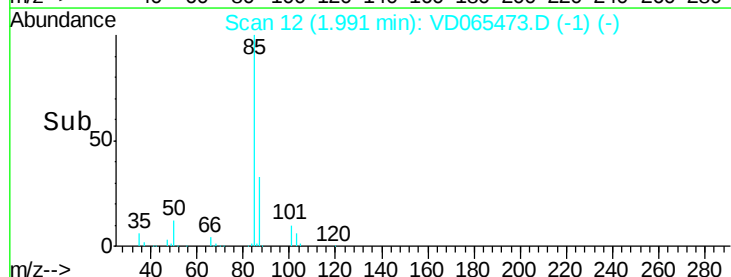
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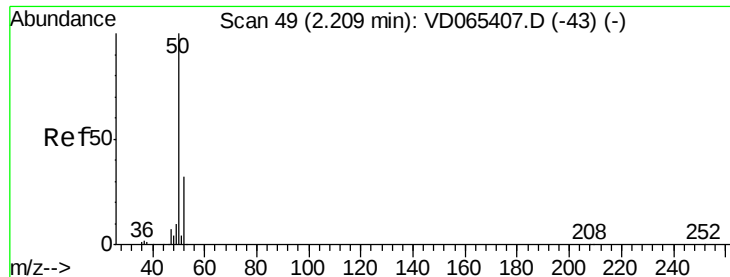
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 45.30 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

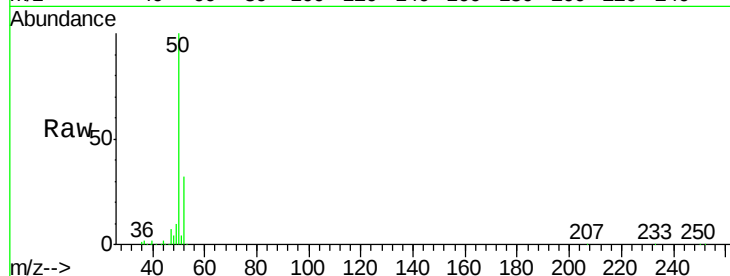
VSTDCCC050

Tgt Ion: 50 Resp: 230367

Ion Ratio Lower Upper

50 100

52 32.0 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

150000

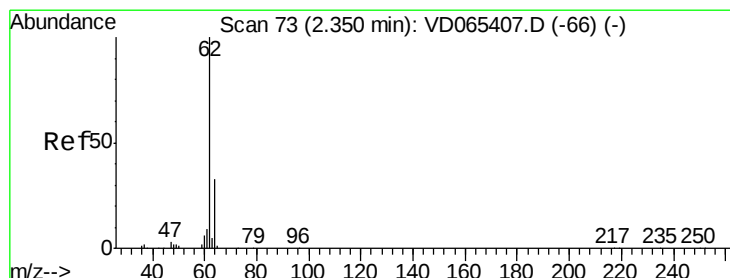
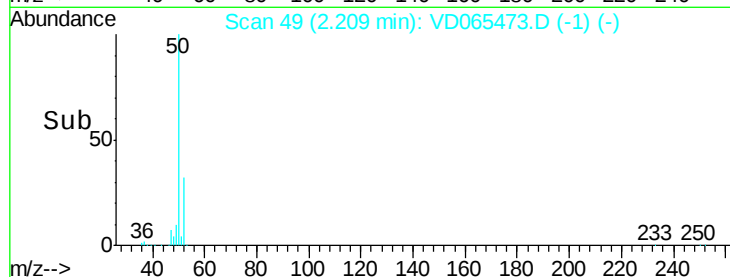
100000

50000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 47.11 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065473.D

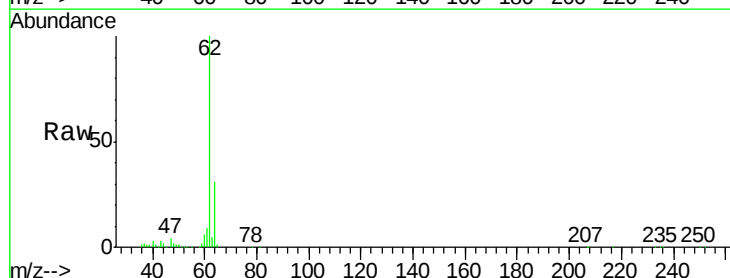
Acq: 11 Mar 2020 10:56

Tgt Ion: 62 Resp: 236295

Ion Ratio Lower Upper

62 100

64 31.4 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

150000

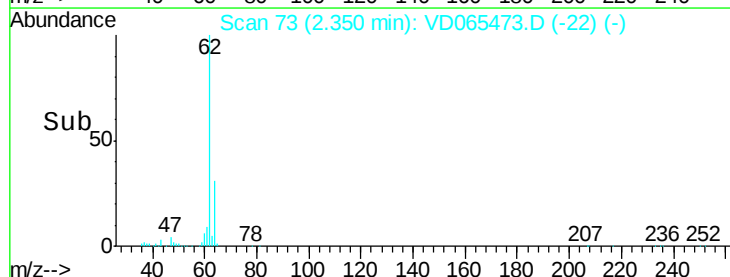
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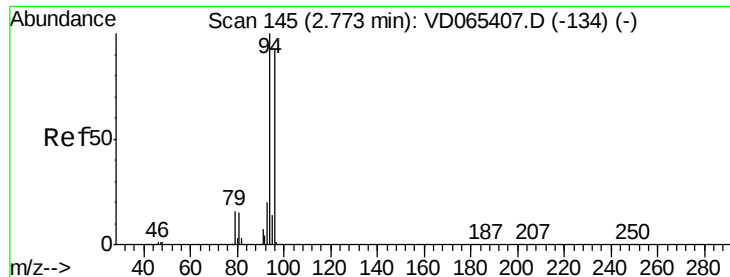
50000

0

Time-->

2.25 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 52.25 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

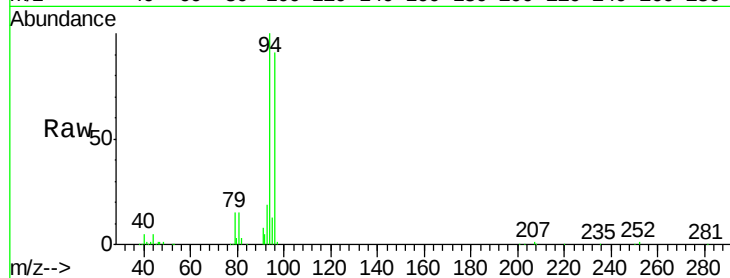
VSTDCCC050

Tgt Ion: 94 Resp: 146251

Ion Ratio Lower Upper

94 100

96 90.8 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

60000

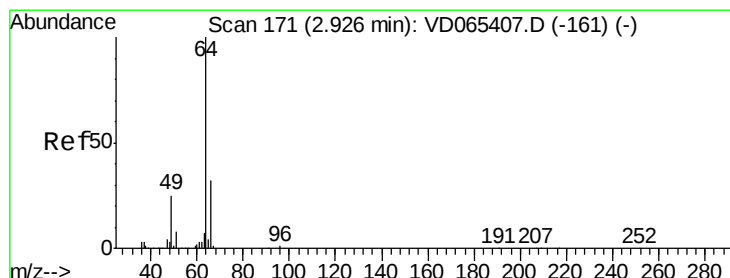
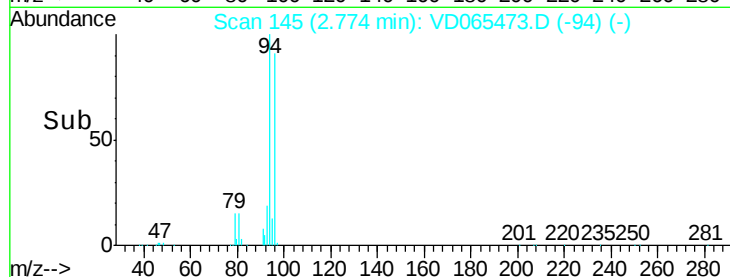
40000

20000

0

Time-->

2.70 2.80



#6

Chloroethane

Concen: 48.54 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065473.D

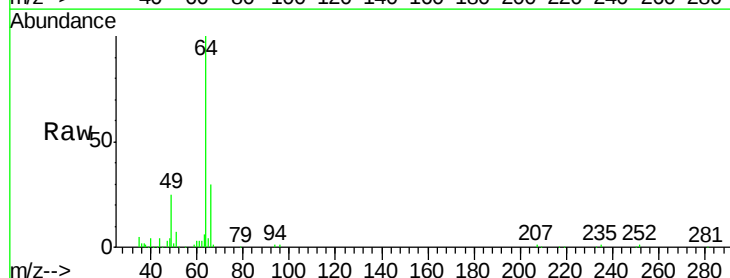
Acq: 11 Mar 2020 10:56

Tgt Ion: 64 Resp: 149104

Ion Ratio Lower Upper

64 100

66 29.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

80000

60000

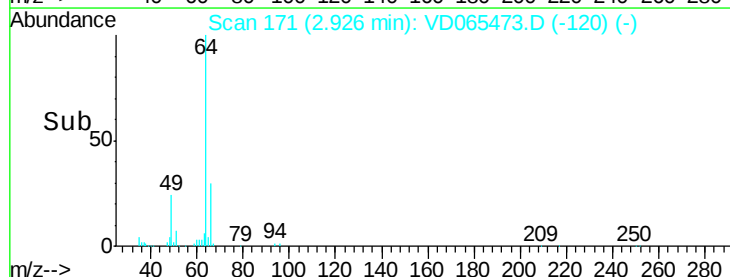
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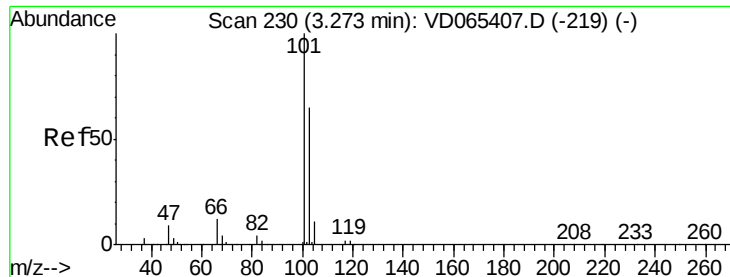
20000

0

Time-->

2.85 2.90 2.95 3.00





#7

Trichlorofluoromethane

Concen: 49.11 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.00 min

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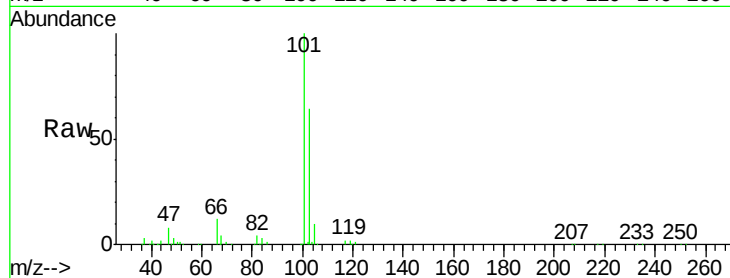
VSTDCCC050

Tgt Ion:101 Resp: 362969

Ion Ratio Lower Upper

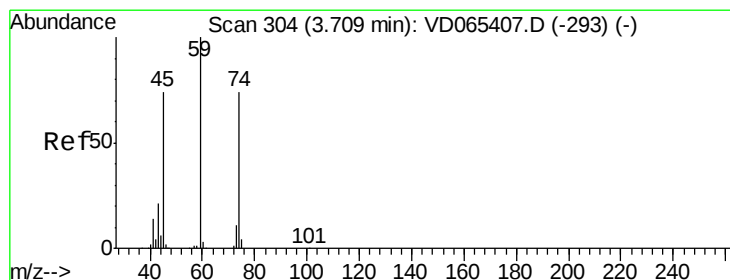
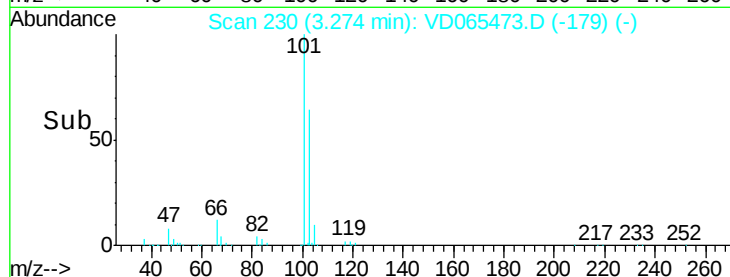
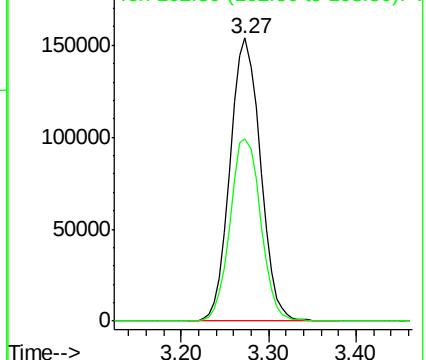
101 100

103 64.4 52.1 78.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 48.37 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD065473.D

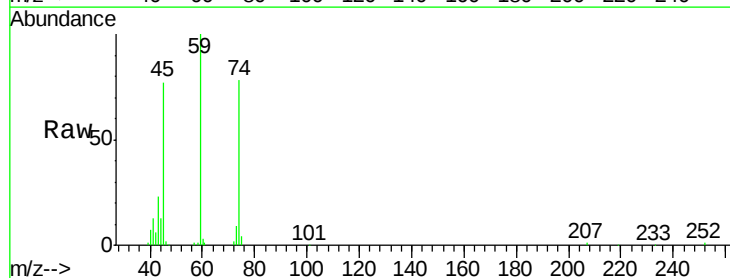
Acq: 11 Mar 2020 10:56

Tgt Ion: 74 Resp: 106308

Ion Ratio Lower Upper

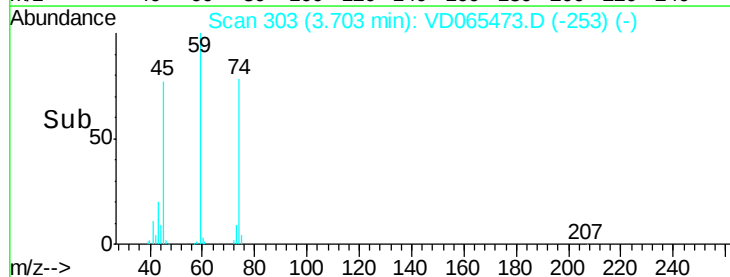
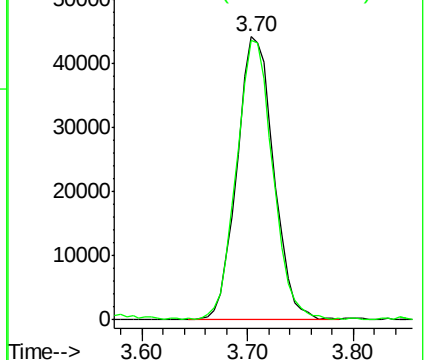
74 100

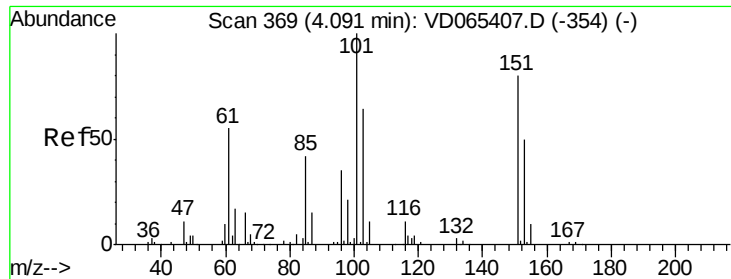
45 98.3 49.5 148.5



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: 49.50 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065473.D

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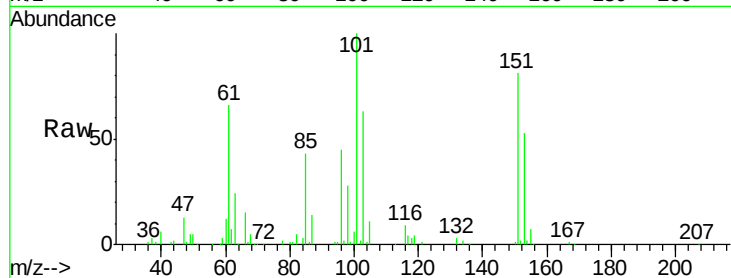
Tgt Ion:101 Resp: 235618

Ion Ratio Lower Upper

101 100

85 42.9 34.2 51.2

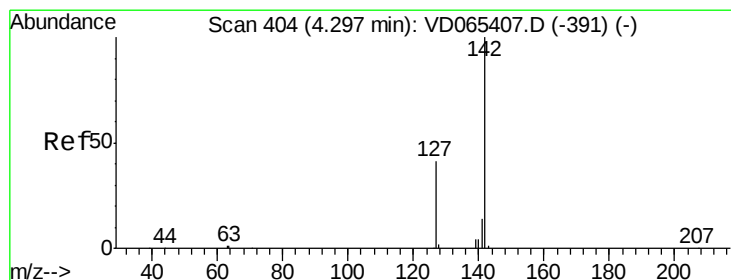
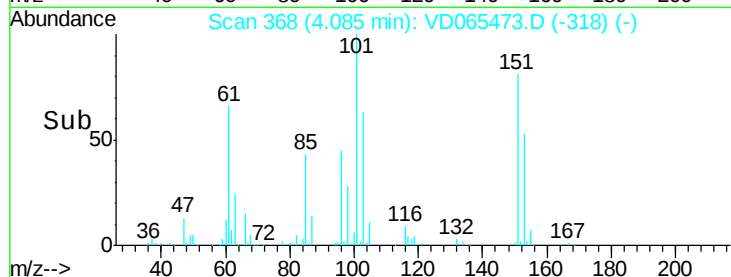
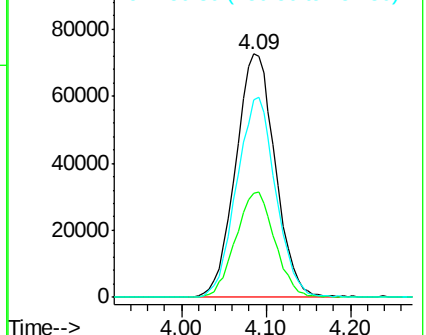
151 81.4 65.1 97.7



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: 50.90 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

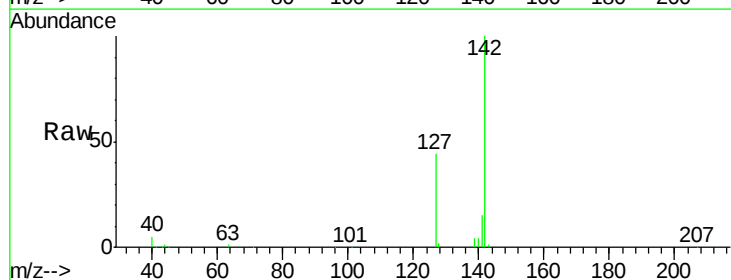
Tgt Ion:142 Resp: 251713

Ion Ratio Lower Upper

142 100

127 43.3 35.0 52.6

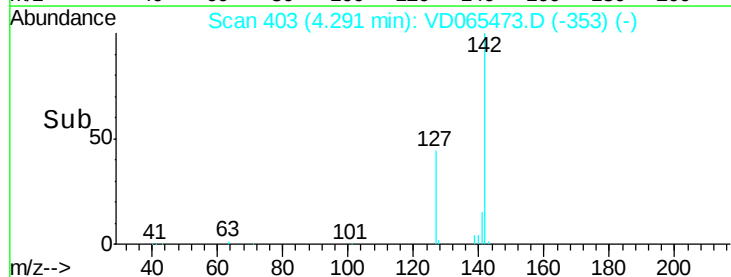
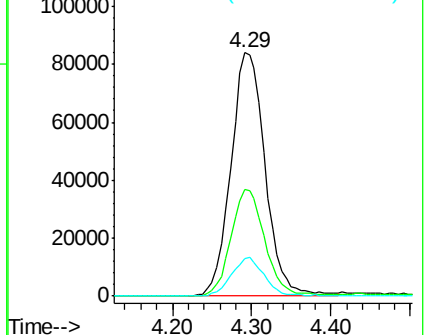
141 15.2 12.4 18.6

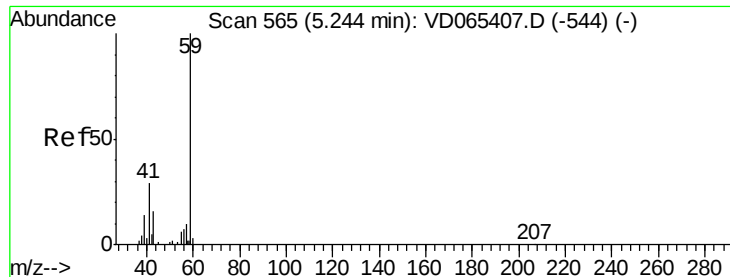


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



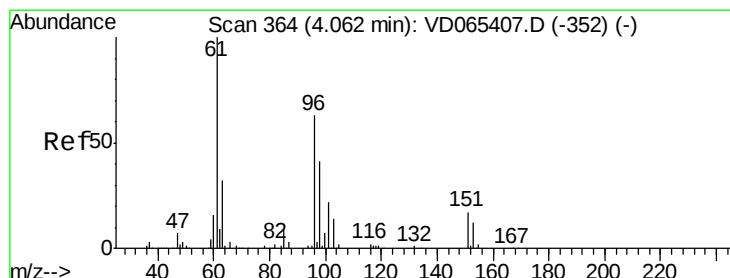
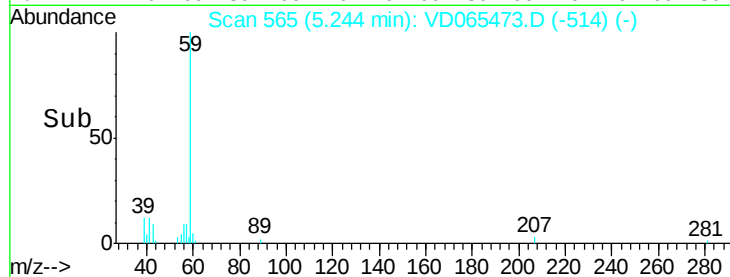
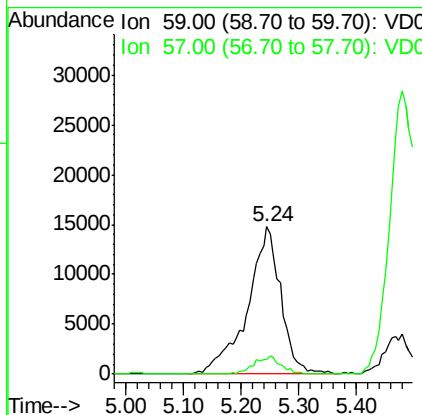
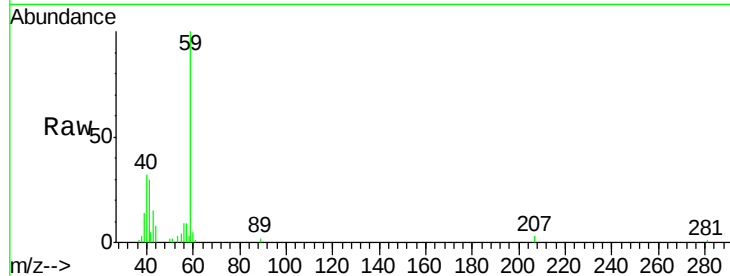


#11

Tert butyl alcohol
 Concen: 247.53 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

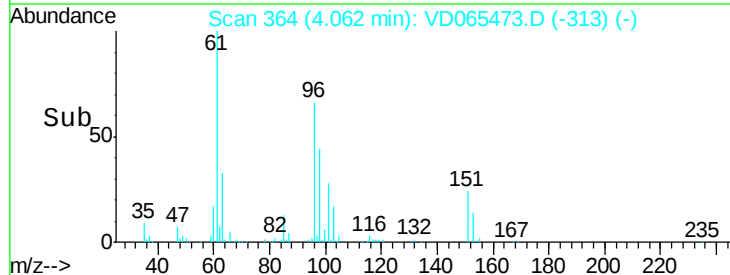
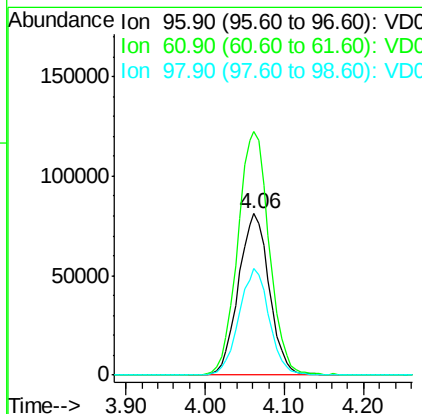
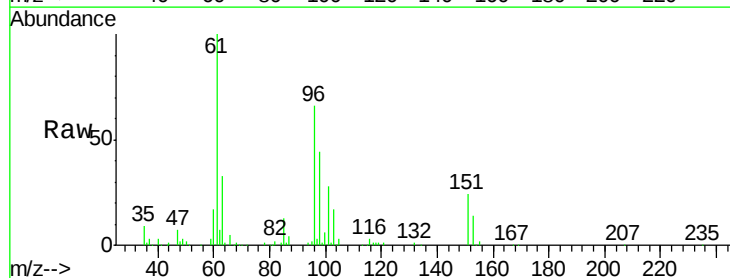
Tgt Ion: 59 Resp: 59687
 Ion Ratio Lower Upper
 59 100
 57 9.8 6.9 10.3

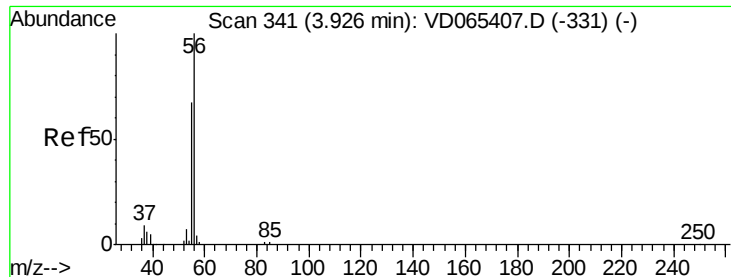


#12

1,1-Dichloroethene
 Concen: 48.26 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Tgt Ion: 96 Resp: 219965
 Ion Ratio Lower Upper
 96 100
 61 150.7 128.0 192.0
 98 66.1 51.9 77.9





#13

Acrolein

Concen: 238.04 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

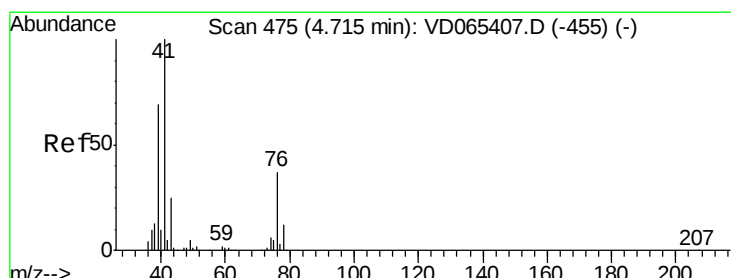
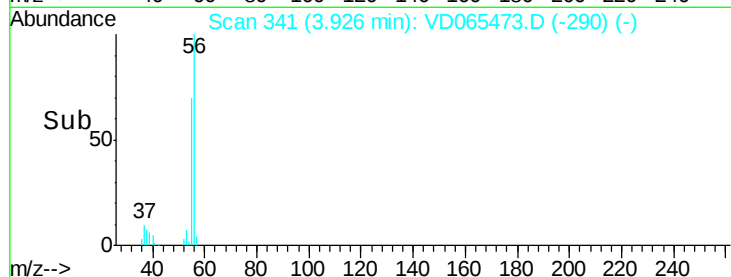
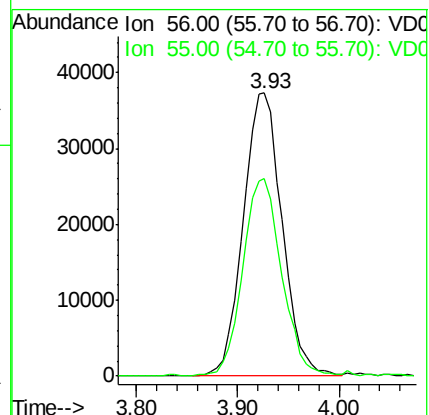
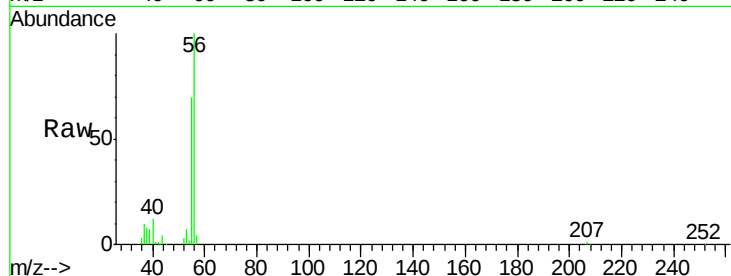
VSTDCCC050

Tgt Ion: 56 Resp: 98991

Ion Ratio Lower Upper

56 100

55 69.8 56.6 85.0



#14

Allyl chloride

Concen: 47.67 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

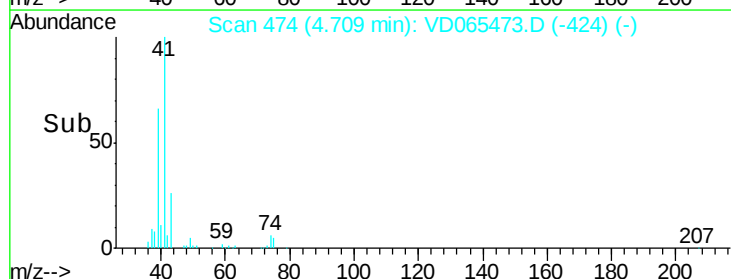
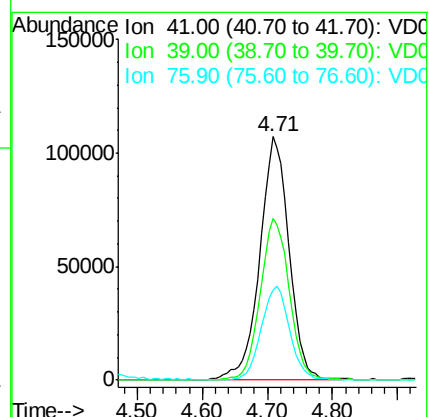
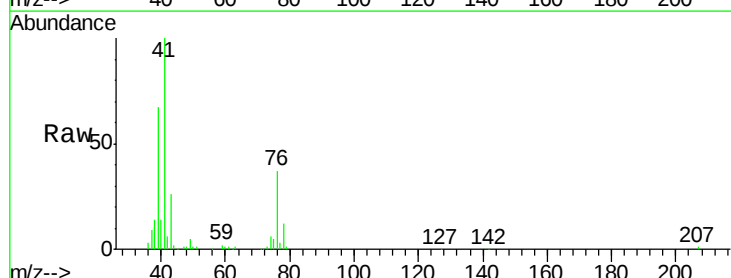
Tgt Ion: 41 Resp: 333776

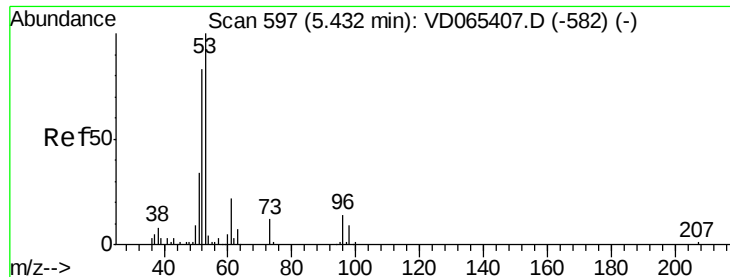
Ion Ratio Lower Upper

41 100

39 66.1 52.6 79.0

76 36.7 29.2 43.8





#15

Acrylonitrile

Concen: 248.35 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

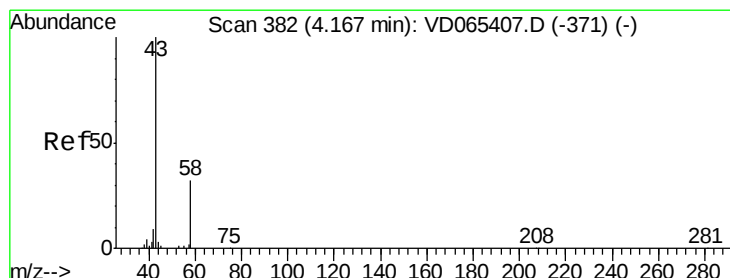
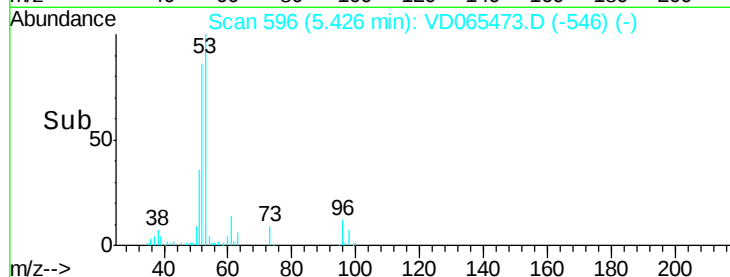
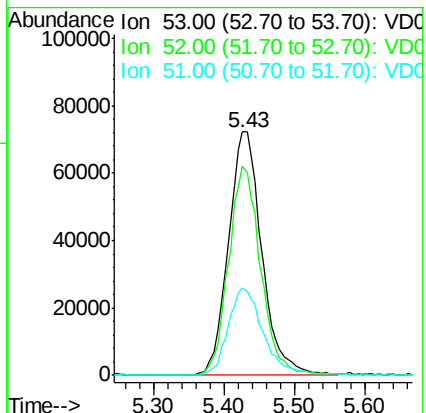
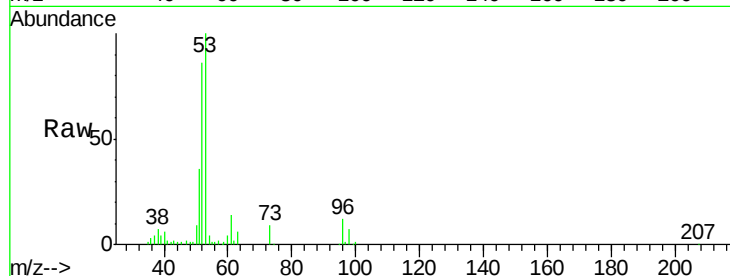
Tgt Ion: 53 Resp: 237452

Ion Ratio Lower Upper

53 100

52 82.0 65.1 97.7

51 37.9 28.5 42.7



#16

Acetone

Concen: 287.80 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065473.D

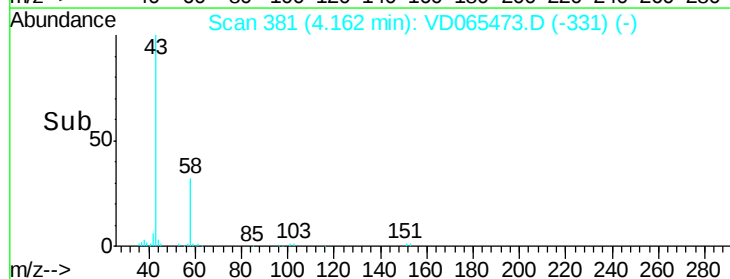
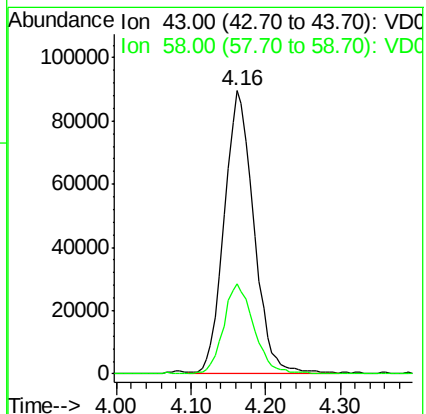
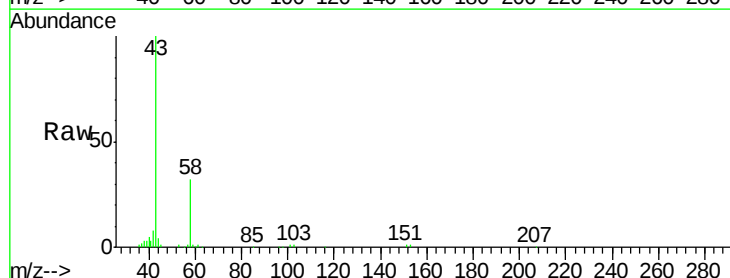
Acq: 11 Mar 2020 10:56

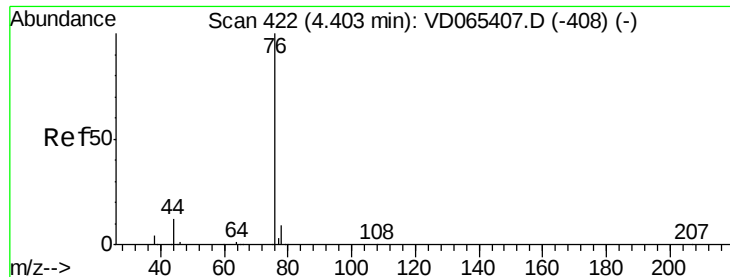
Tgt Ion: 43 Resp: 244687

Ion Ratio Lower Upper

43 100

58 31.9 25.1 37.7

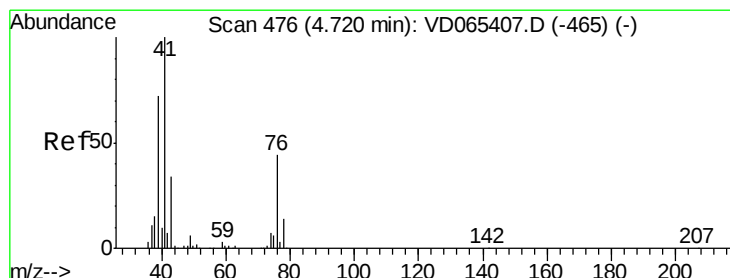
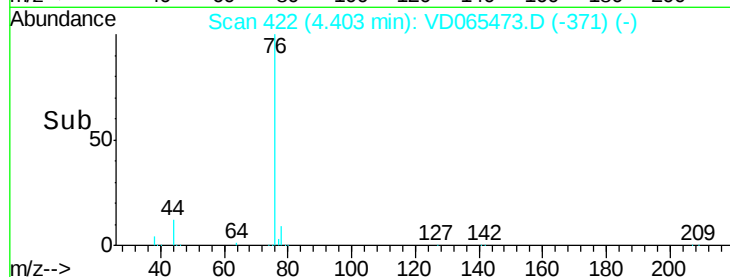
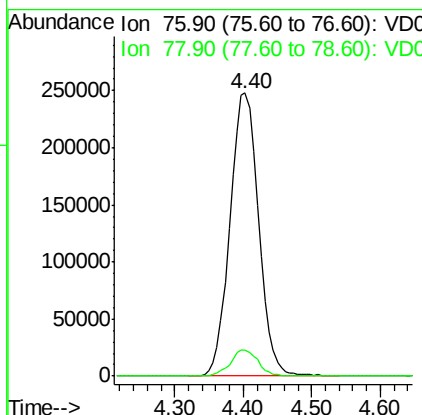
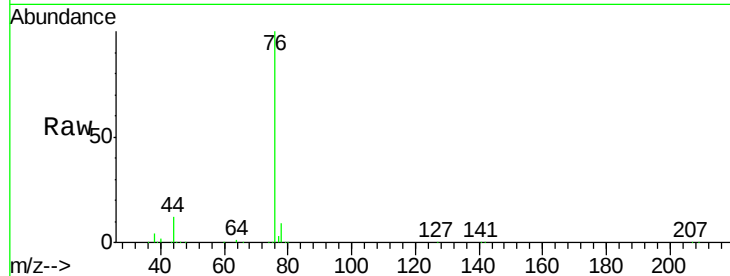




#17
Carbon Disulfide
Concen: 47.49 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

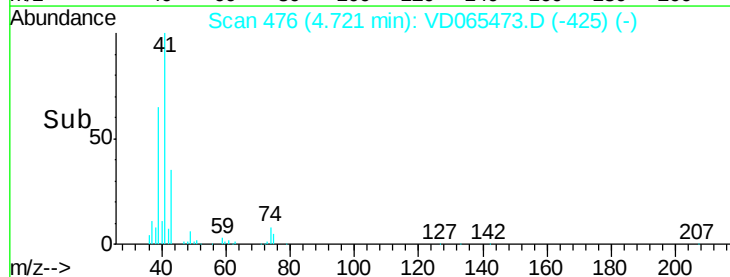
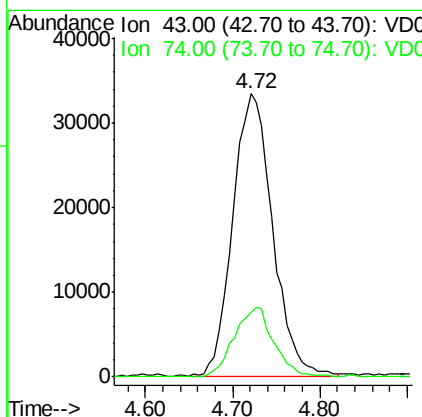
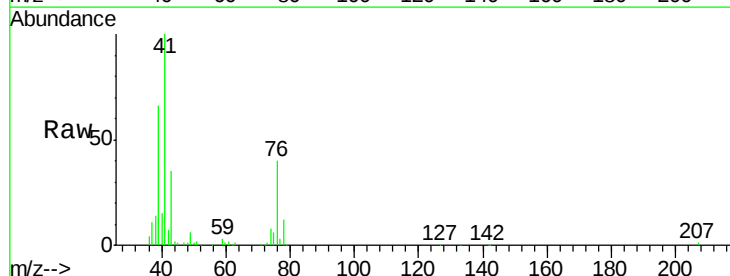
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

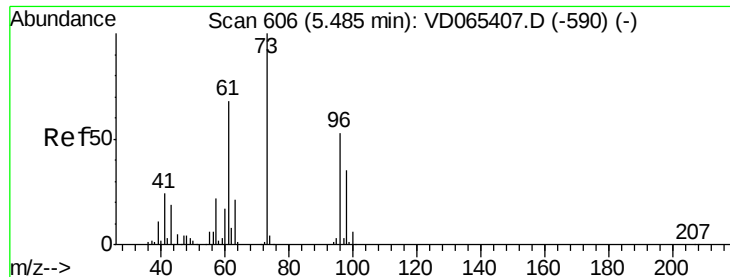
Tgt Ion: 76 Resp: 720821
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0



#18
Methyl Acetate
Concen: 48.26 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion: 43 Resp: 104071
Ion Ratio Lower Upper
43 100
74 24.3 19.6 29.4

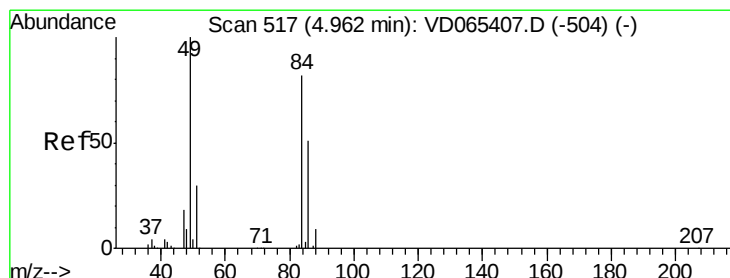
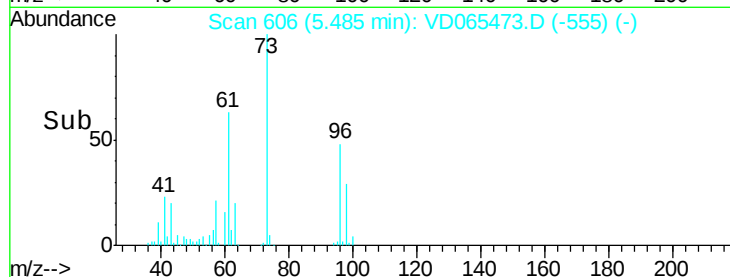
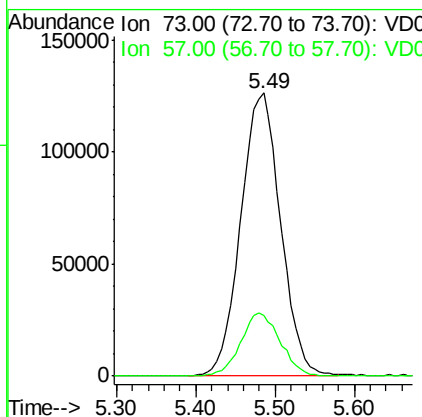
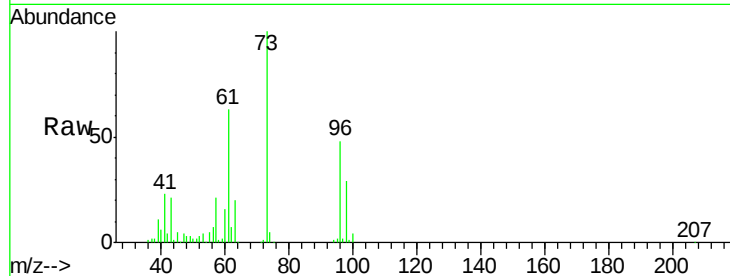




#19
Methyl tert-butyl Ether
Concen: 50.42 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

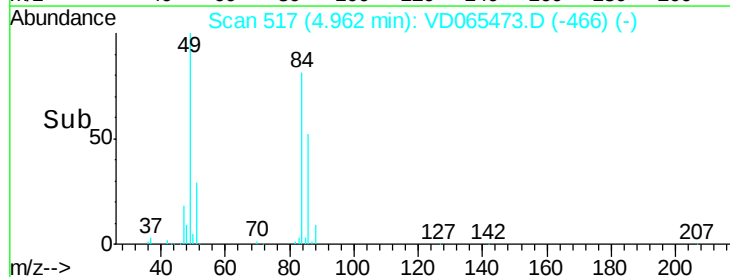
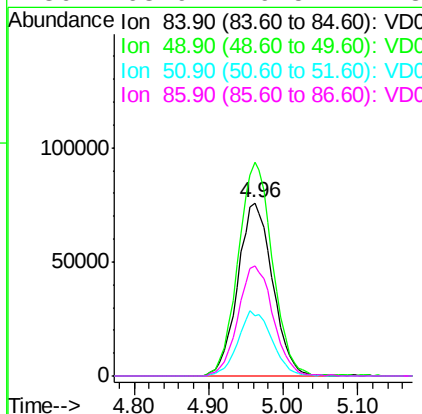
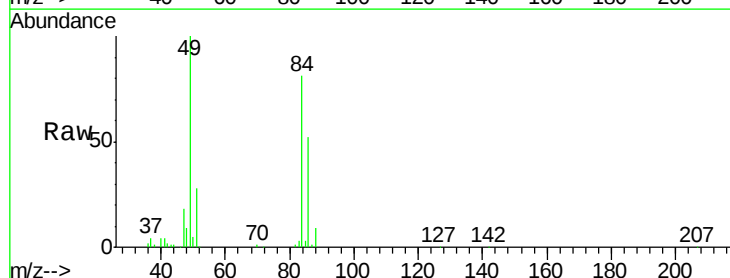
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

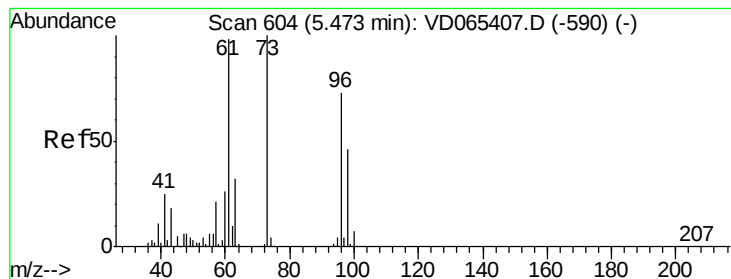
Tgt Ion: 73 Resp: 441945
Ion Ratio Lower Upper
73 100
57 21.3 17.3 25.9



#20
Methylene Chloride
Concen: 53.51 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion: 84 Resp: 245930
Ion Ratio Lower Upper
84 100
49 123.5 97.7 146.5
51 35.1 28.8 43.2
86 63.9 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 50.59 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

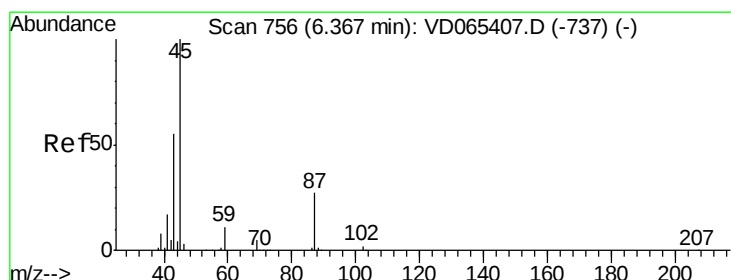
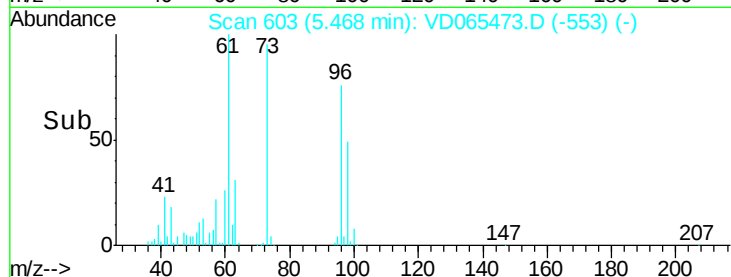
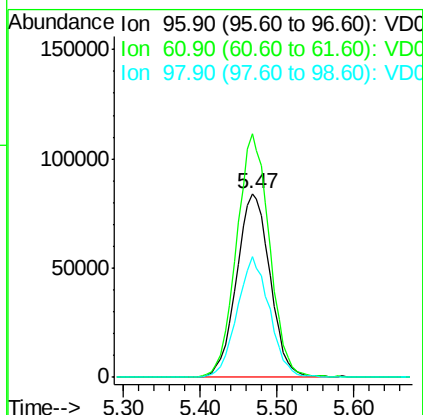
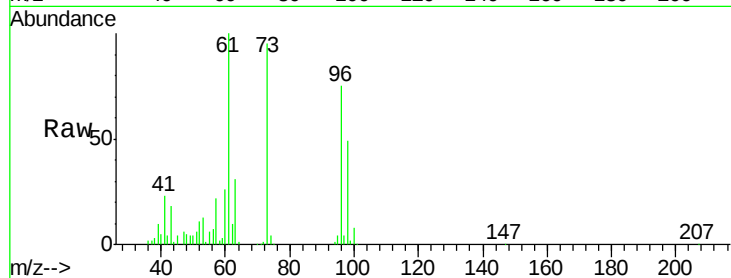
Tgt Ion: 96 Resp: 256487

Ion Ratio Lower Upper

96 100

61 132.5 106.3 159.5

98 65.4 50.2 75.4



#22

Diisopropyl ether

Concen: 52.43 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Tgt Ion: 45 Resp: 682362

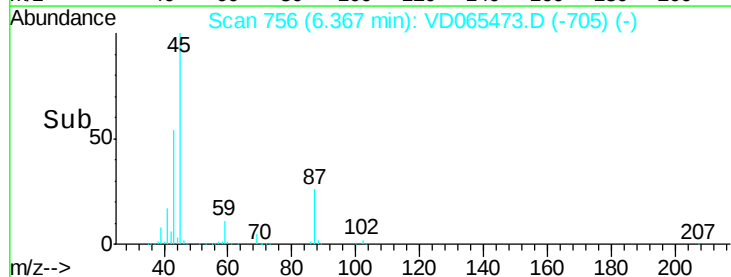
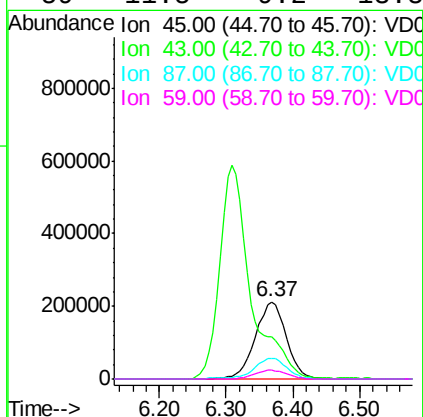
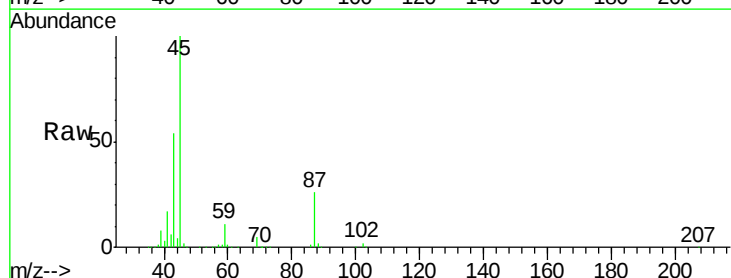
Ion Ratio Lower Upper

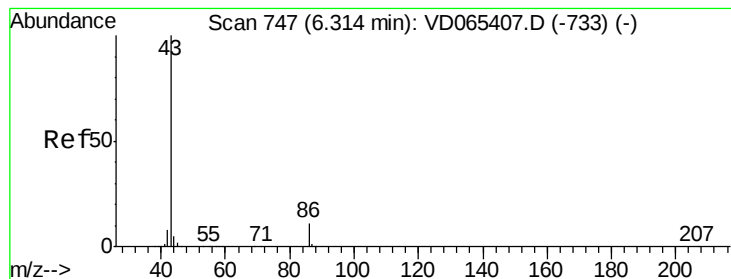
45 100

43 53.5 44.4 66.6

87 25.9 21.9 32.9

59 11.5 9.2 13.8





#23

Vinyl Acetate

Concen: 266.82 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

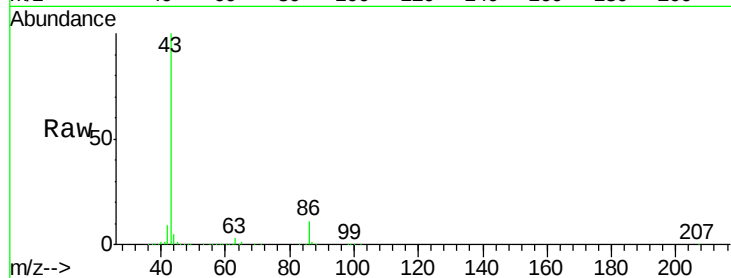
VSTDCCC050

Tgt Ion: 43 Resp: 1928255

Ion Ratio Lower Upper

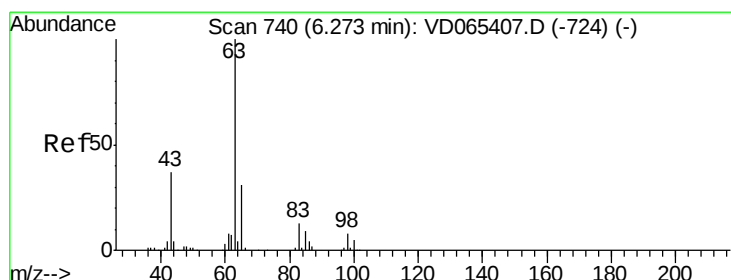
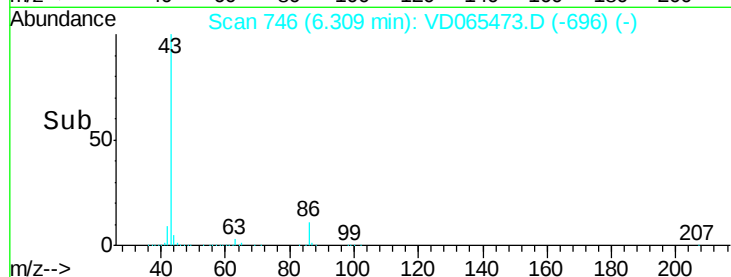
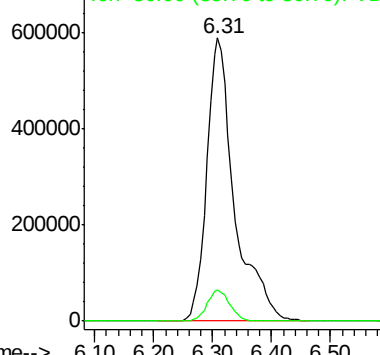
43 100

86 11.2 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.36 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

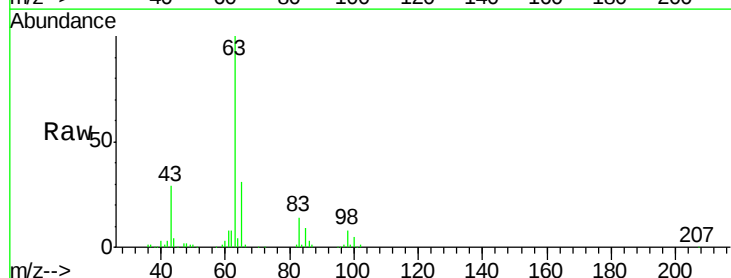
Tgt Ion: 63 Resp: 412085

Ion Ratio Lower Upper

63 100

98 7.9 4.2 12.6

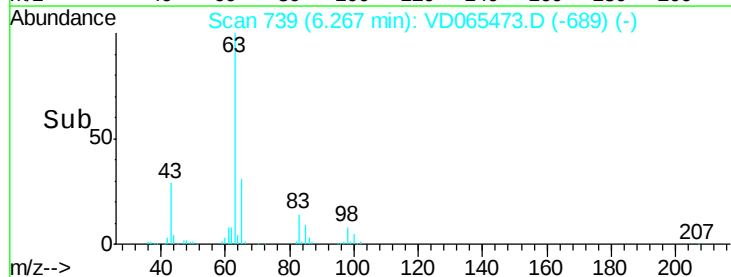
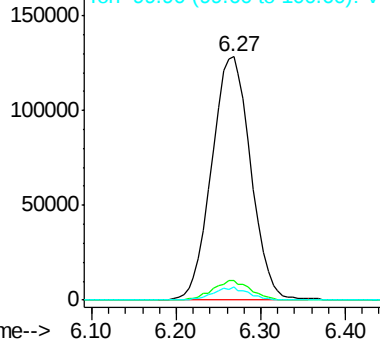
100 5.3 2.4 7.2

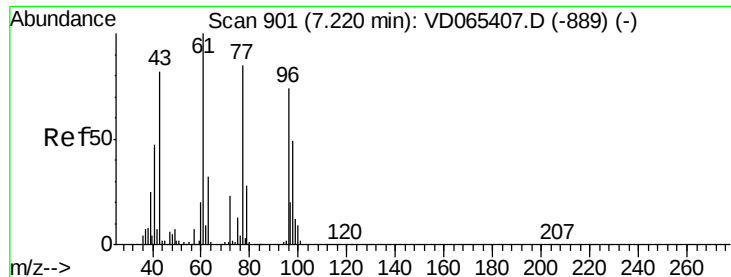


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 259.44 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

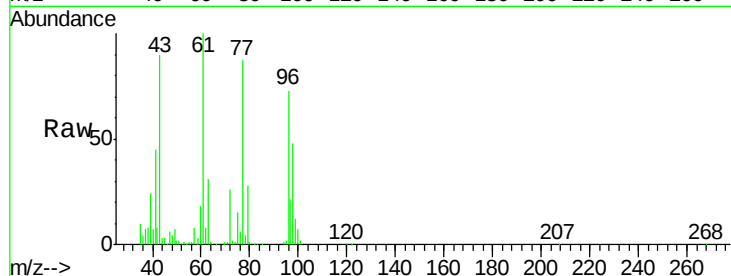
VSTDCCC050

Tgt Ion: 43 Resp: 301009

Ion Ratio Lower Upper

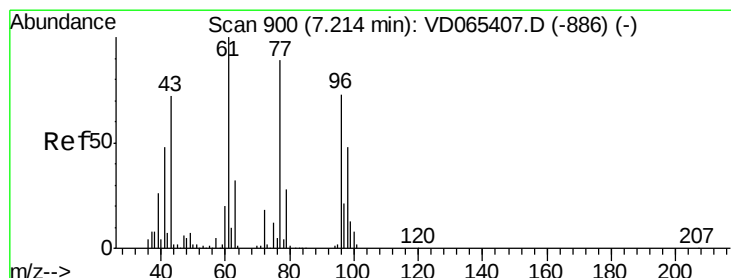
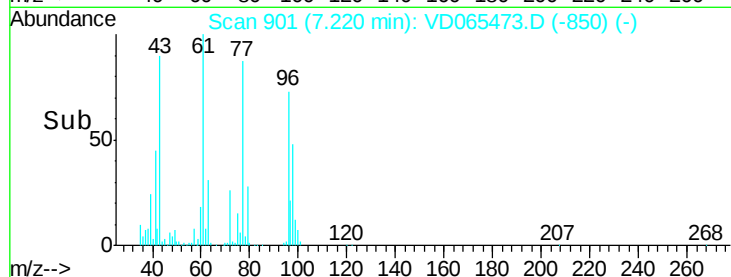
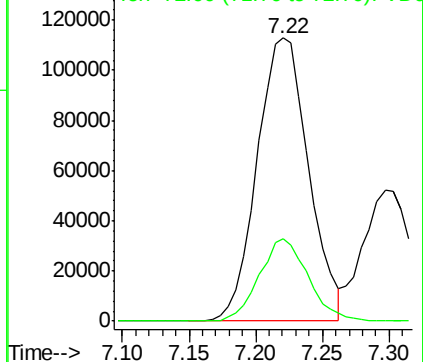
43 100

72 29.3 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 50.85 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065473.D

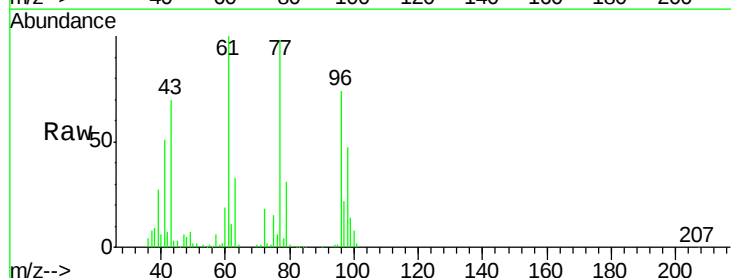
Acq: 11 Mar 2020 10:56

Tgt Ion: 77 Resp: 370943

Ion Ratio Lower Upper

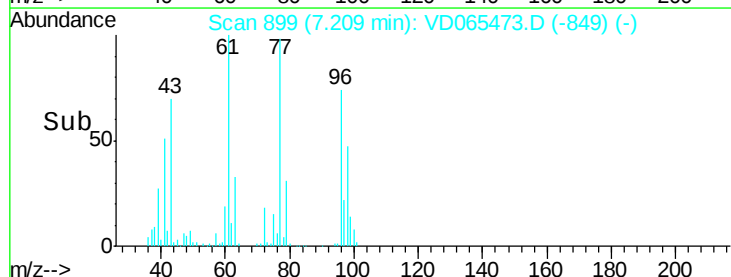
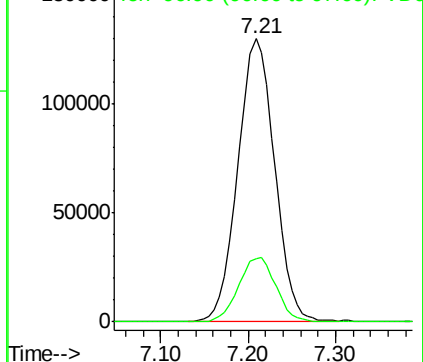
77 100

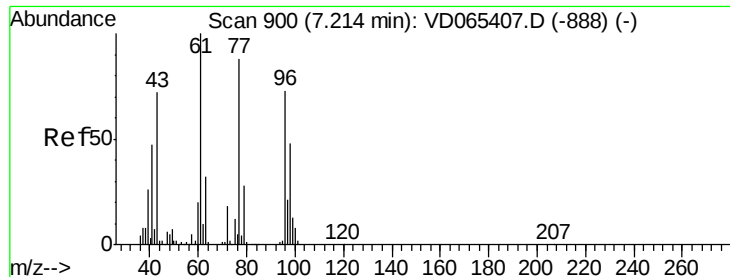
97 23.0 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 50.50 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

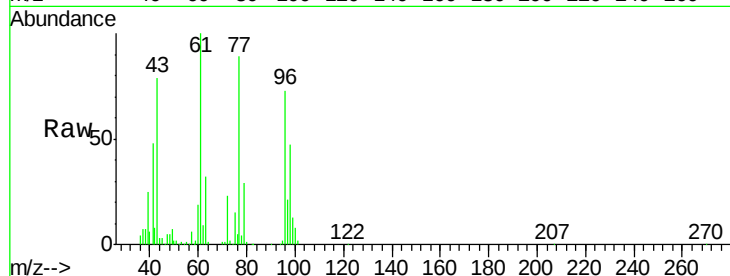
Tgt Ion: 96 Resp: 261721

Ion Ratio Lower Upper

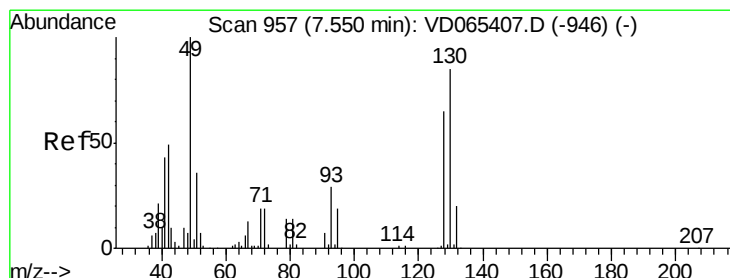
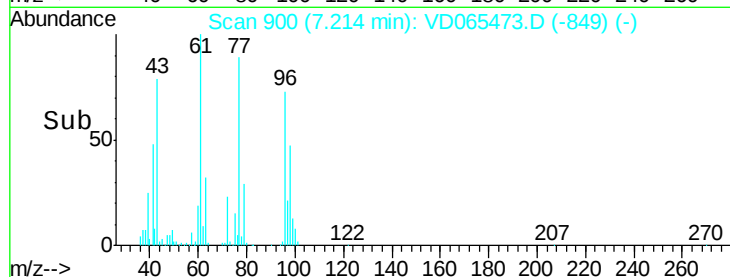
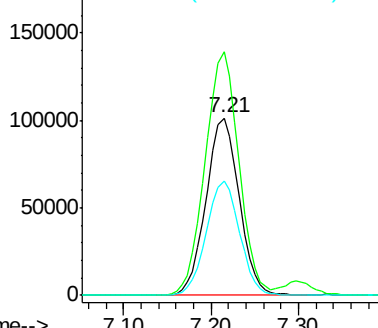
96 100

61 138.8 0.0 280.4

98 64.8 0.0 132.6



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



#28

Bromochloromethane

Concen: 50.29 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

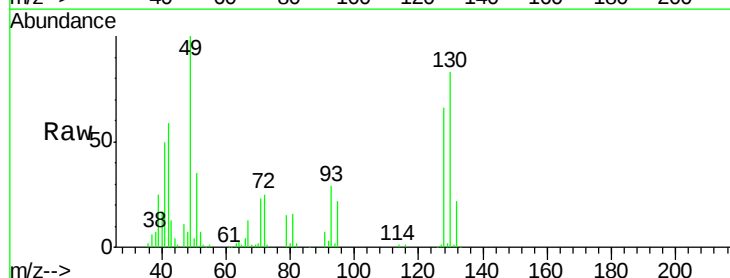
Tgt Ion: 49 Resp: 167964

Ion Ratio Lower Upper

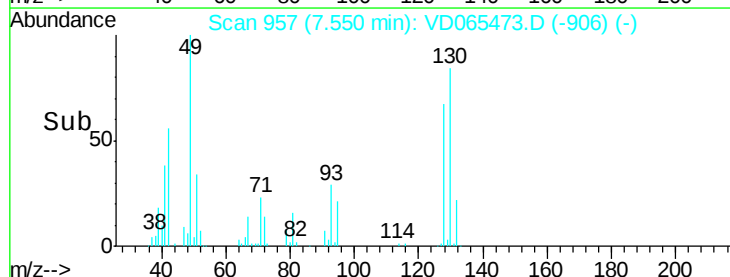
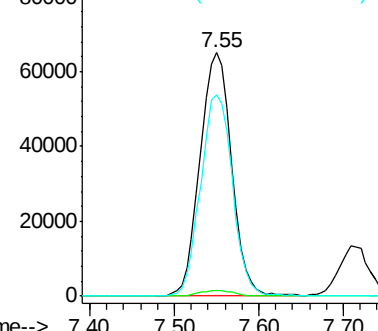
49 100

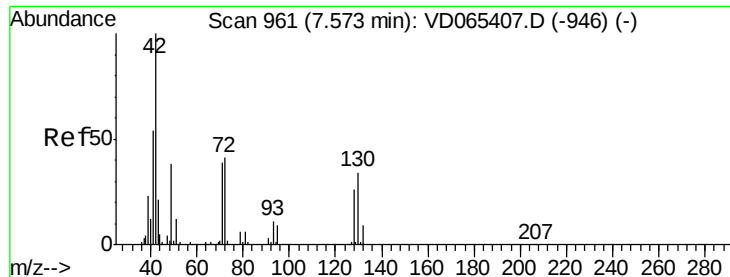
129 2.5 0.0 4.6

130 83.7 66.6 100.0



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





#29

Tetrahydrofuran

Concen: 251.42 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

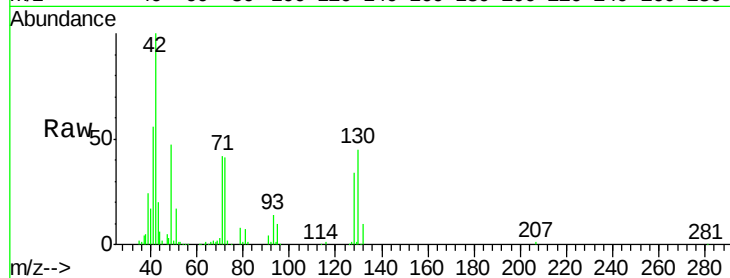
Tgt Ion: 42 Resp: 186286

Ion Ratio Lower Upper

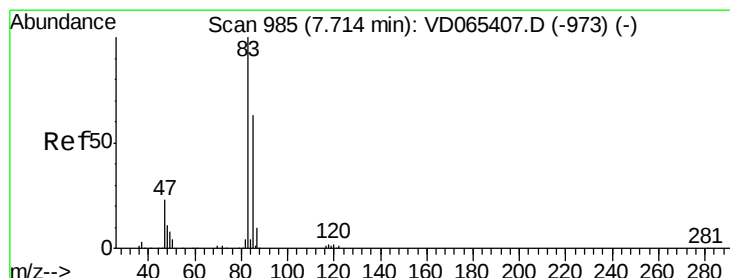
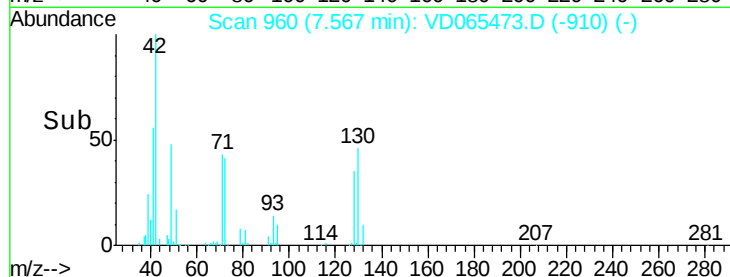
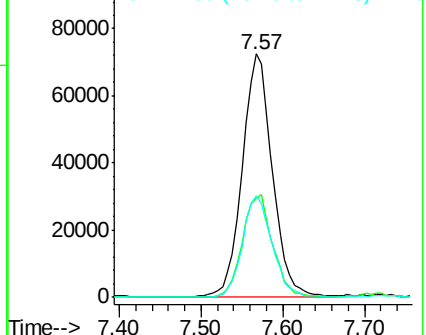
42 100

72 42.6 33.0 49.6

71 41.2 32.0 48.0



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: 50.75 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065473.D

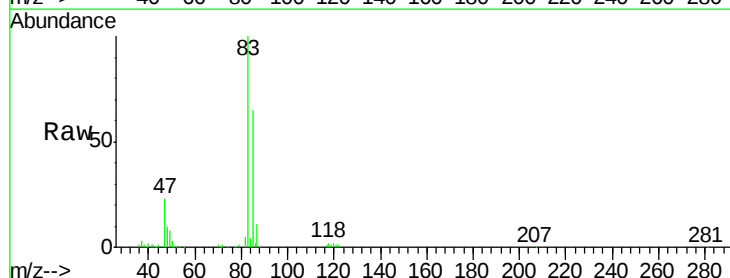
Acq: 11 Mar 2020 10:56

Tgt Ion: 83 Resp: 423510

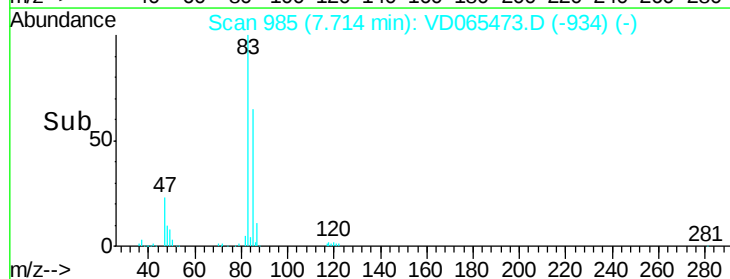
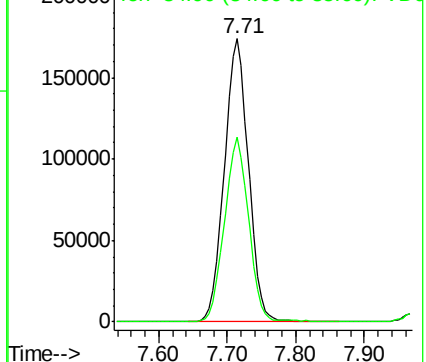
Ion Ratio Lower Upper

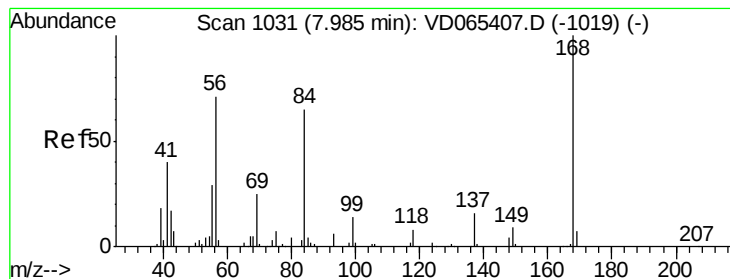
83 100

85 65.1 50.3 75.5



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





#31

Cyclohexane

Concen: 46.84 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

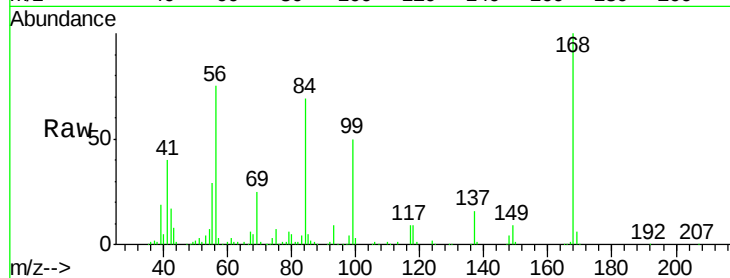
Tgt Ion: 56 Resp: 391002

Ion Ratio Lower Upper

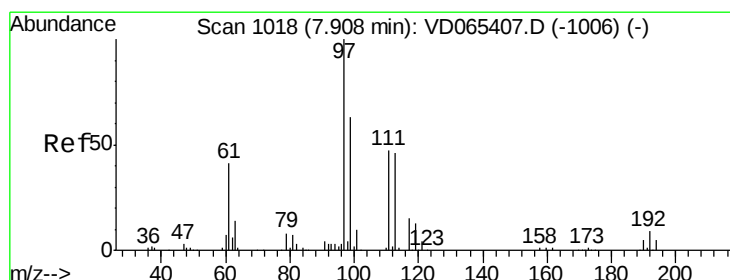
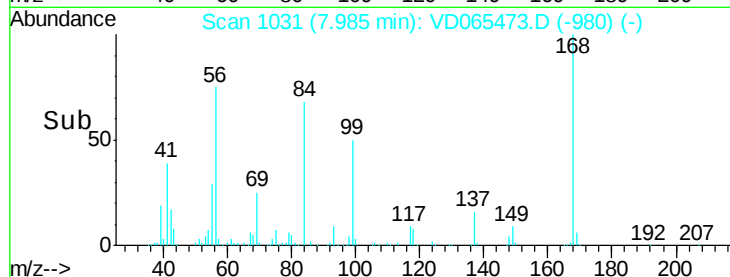
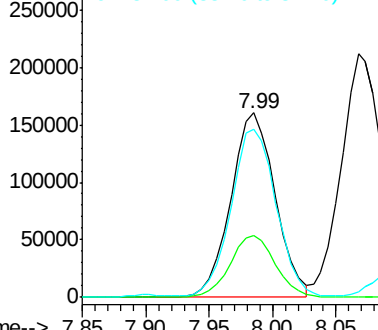
56 100

69 33.8 28.3 42.5

84 90.0 73.1 109.7



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: 50.56 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

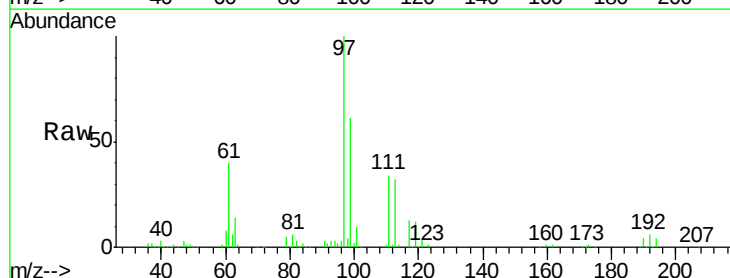
Tgt Ion: 97 Resp: 389892

Ion Ratio Lower Upper

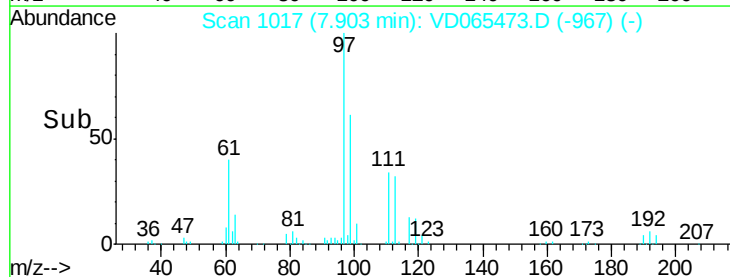
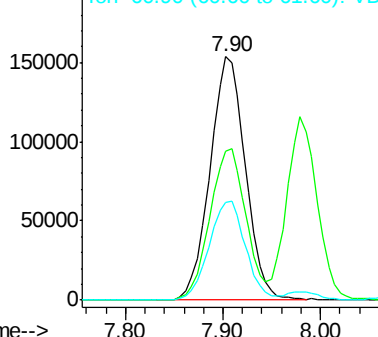
97 100

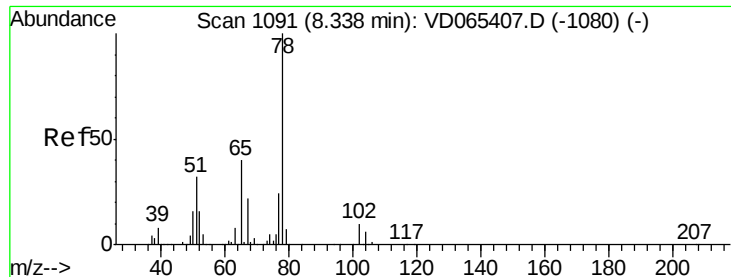
99 63.5 50.9 76.3

61 41.7 33.2 49.8



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

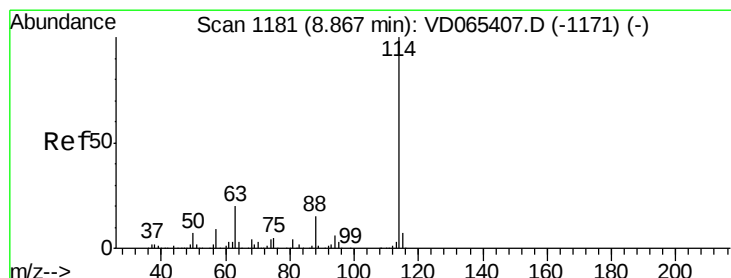
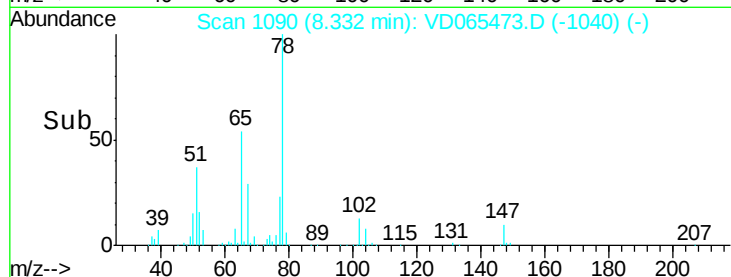
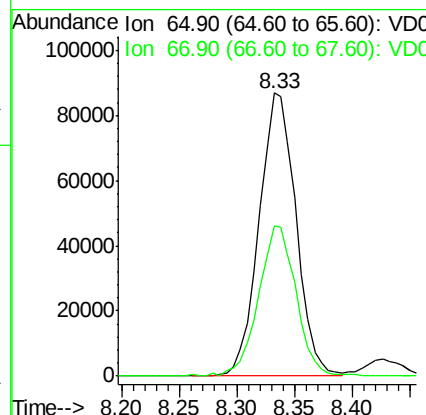
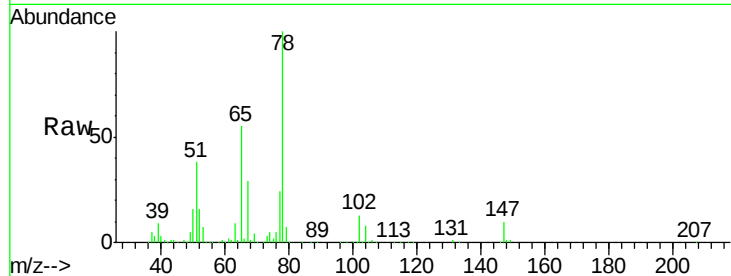




#33
 1,2-Dichloroethane-d4
 Concen: 46.00 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

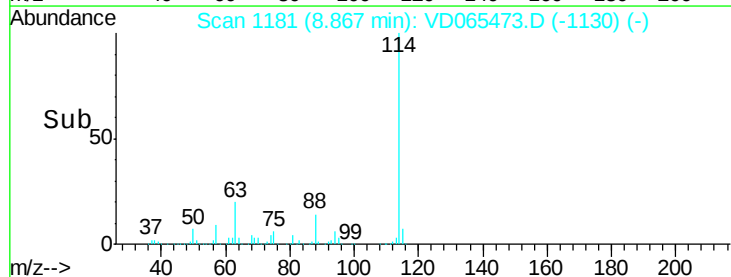
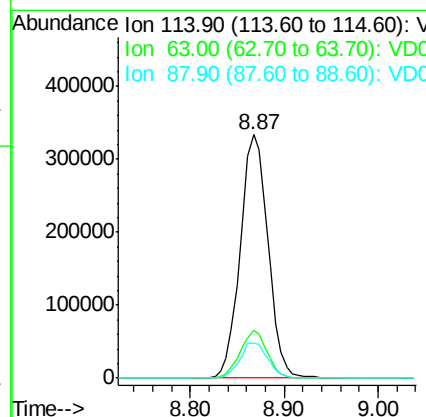
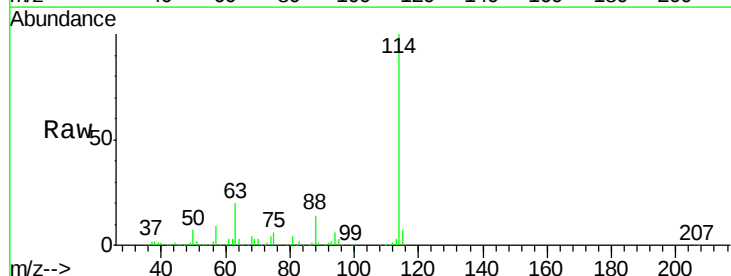
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 193399
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Tgt Ion: 114 Resp: 682395
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.6
 88 14.3 0.0 30.4

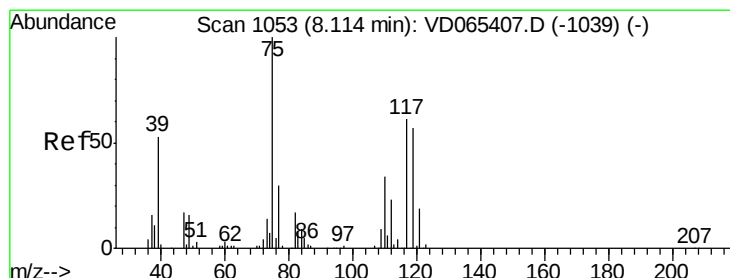
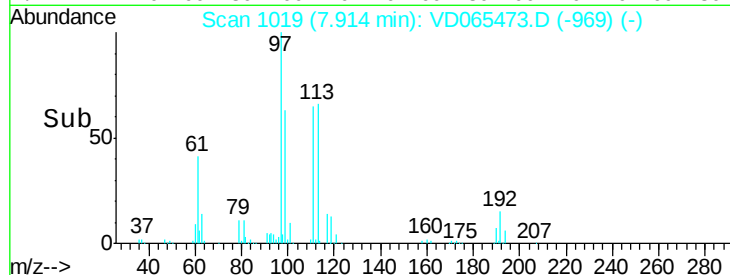
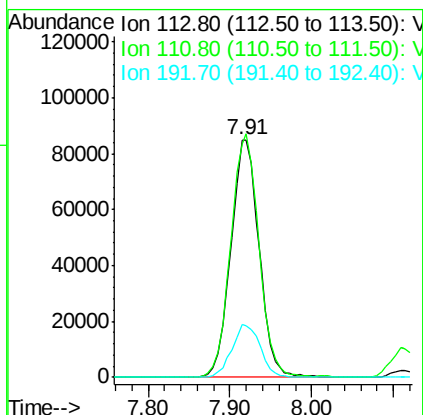
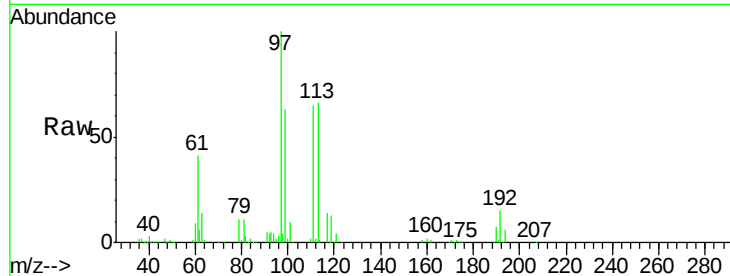




#35
 Dibromofluoromethane
 Concen: 48.45 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

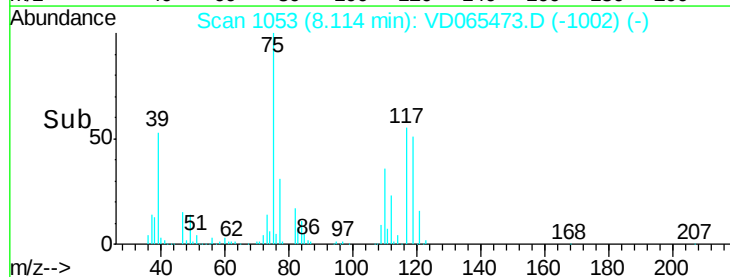
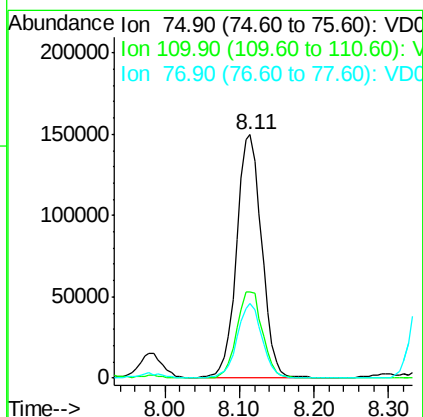
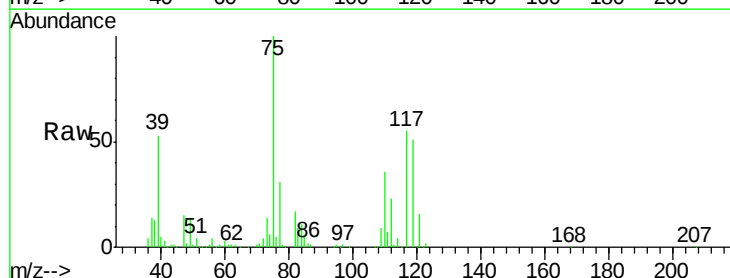
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

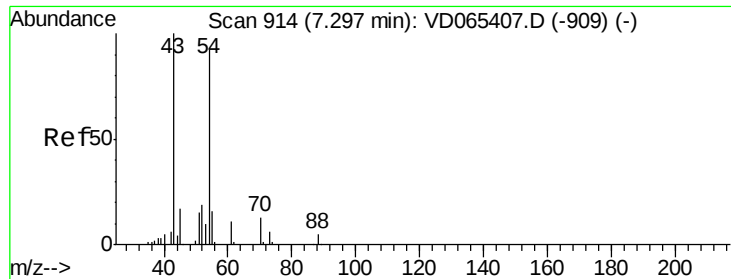
Tgt Ion: 113 Resp: 204475
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.1 123.1
 192 22.3 17.2 25.8



#36
 1,1-Dichloropropene
 Concen: 53.39 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Tgt Ion: 75 Resp: 349211
 Ion Ratio Lower Upper
 75 100
 110 36.3 18.1 54.1
 77 30.7 25.2 37.8

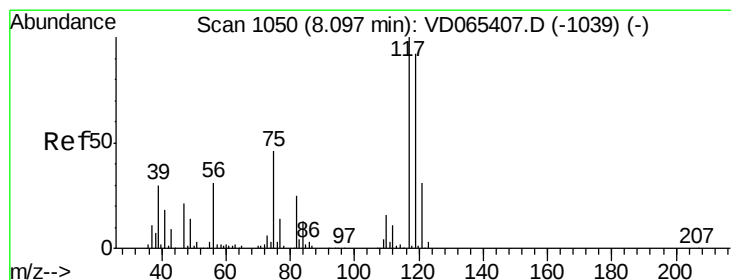
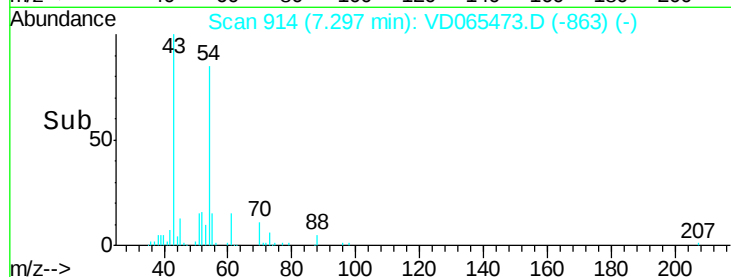
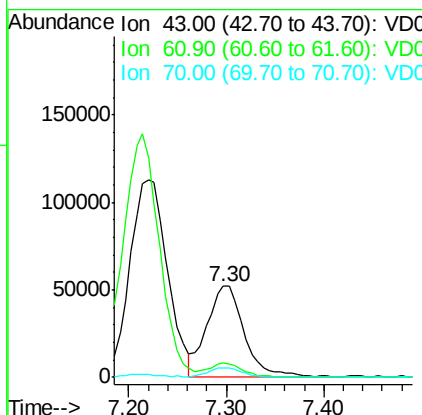
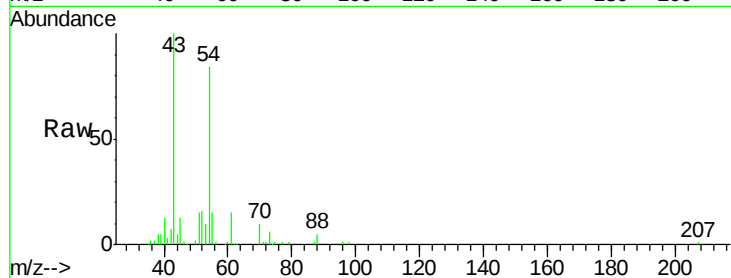




#37
Ethyl Acetate
Concen: 53.90 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

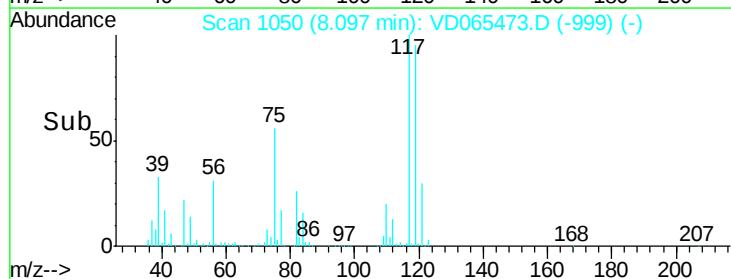
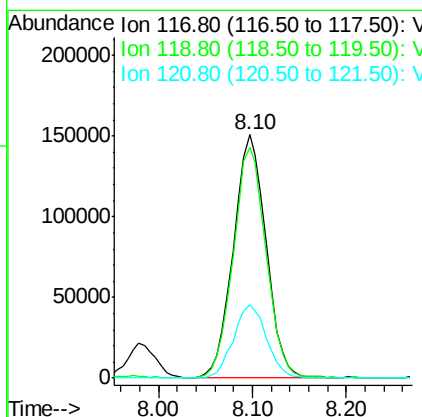
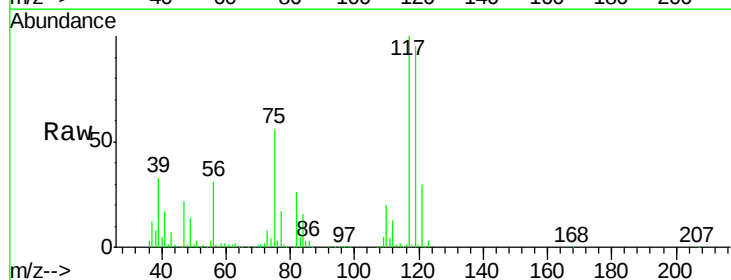
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

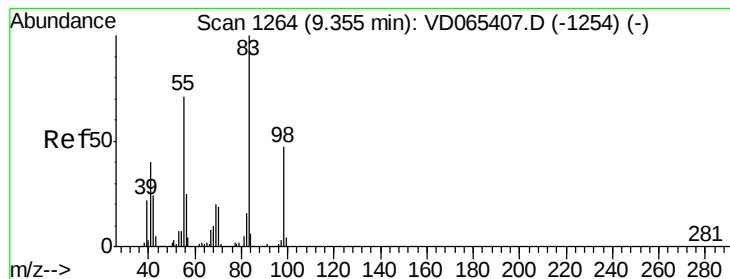
Tgt Ion: 43 Resp: 136265
Ion Ratio Lower Upper
43 100
61 13.0 11.4 17.0
70 10.0 9.0 13.4



#38
Carbon Tetrachloride
Concen: 53.36 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion: 117 Resp: 361938
Ion Ratio Lower Upper
117 100
119 95.2 73.3 109.9
121 30.3 25.0 37.4





#39

Methylcyclohexane

Concen: 53.63 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

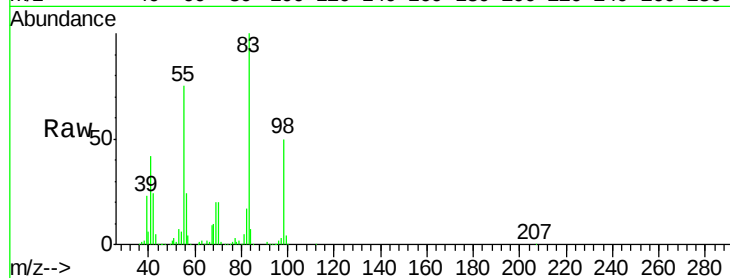
Tgt Ion: 83 Resp: 423720

Ion Ratio Lower Upper

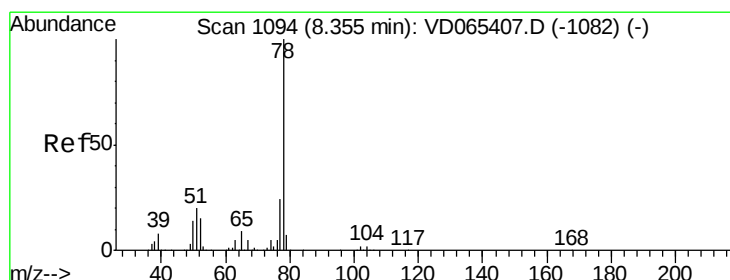
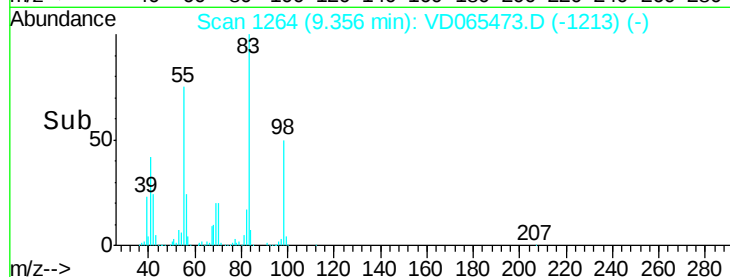
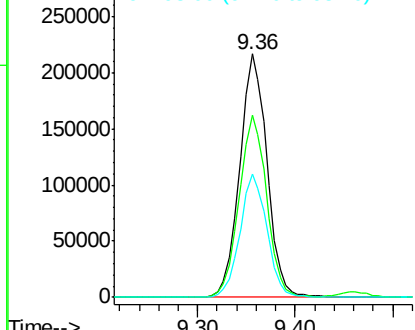
83 100

55 74.6 57.1 85.7

98 50.5 37.8 56.8



Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC



#40

Benzene

Concen: 53.94 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VD065473.D

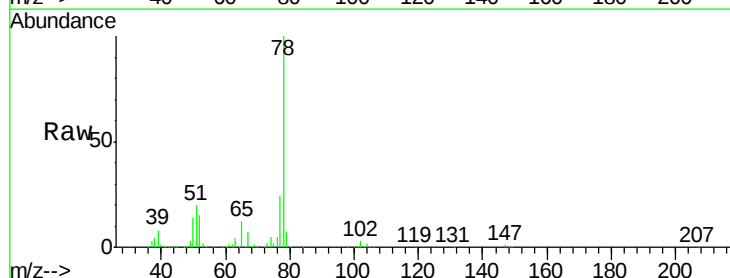
Acq: 11 Mar 2020 10:56

Tgt Ion: 78 Resp: 986468

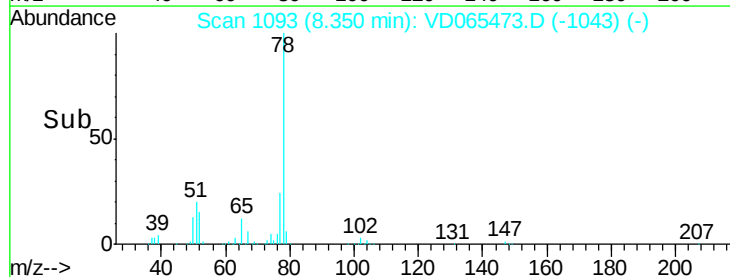
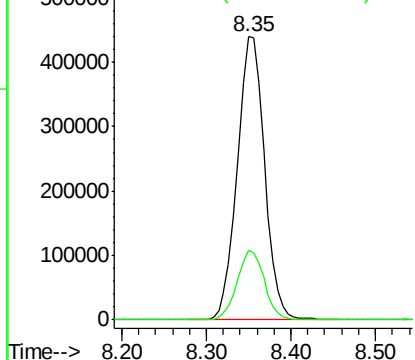
Ion Ratio Lower Upper

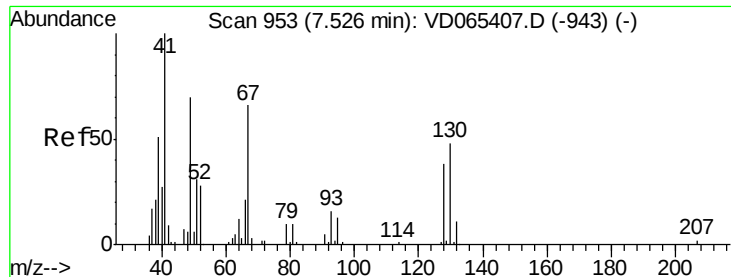
78 100

77 24.4 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC

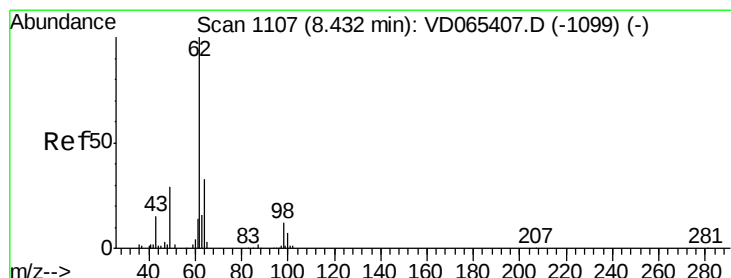
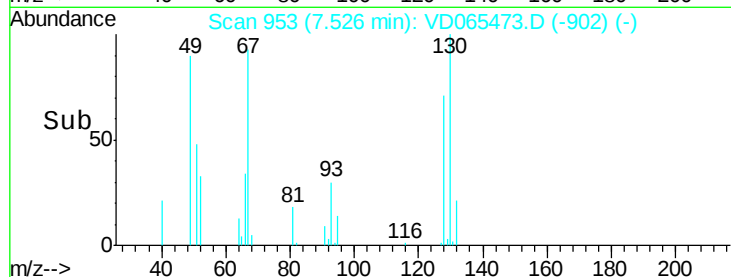
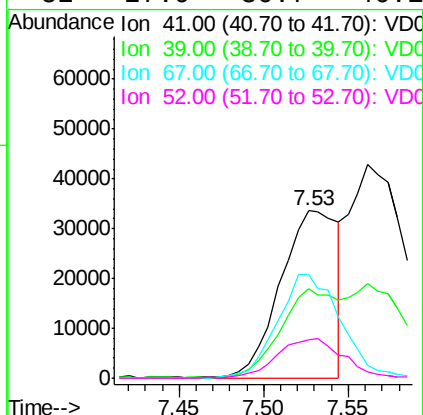
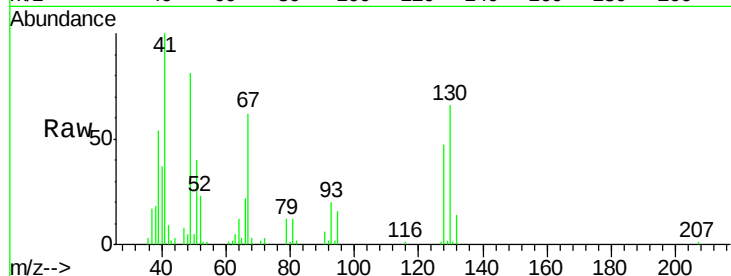




#41
Methacrylonitrile
Concen: 59.30 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

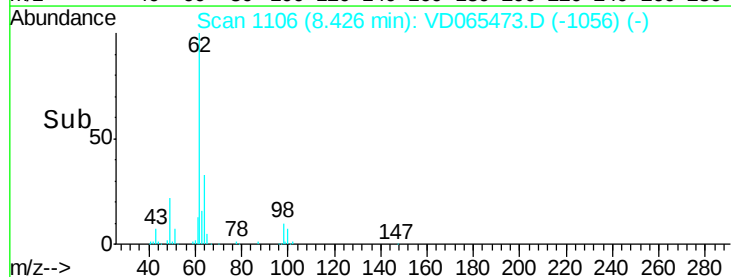
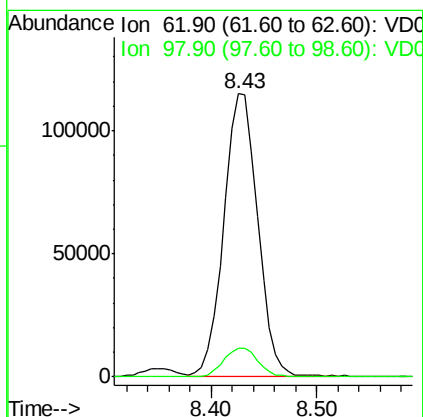
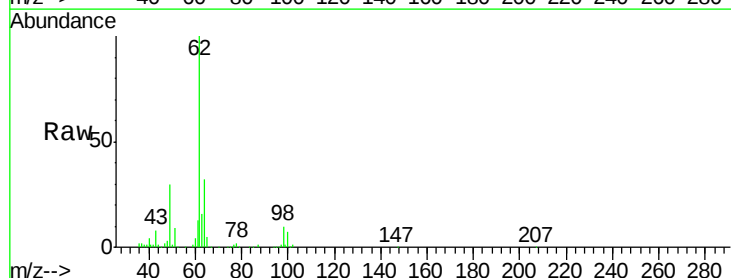
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

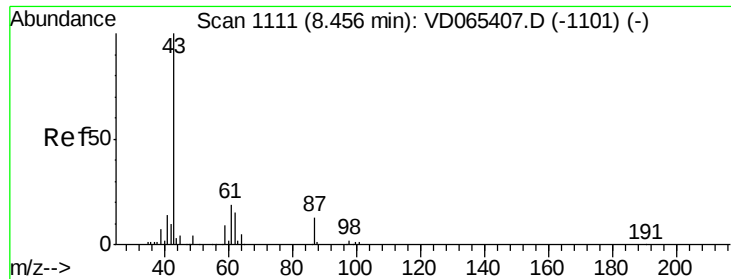
Tgt Ion: 41 Resp: 79288
Ion Ratio Lower Upper
41 100
39 52.4 55.0 82.6#
67 68.4 70.3 105.5#
52 27.9 30.7 46.1#



#42
1,2-Dichloroethane
Concen: 53.52 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion: 62 Resp: 255584
Ion Ratio Lower Upper
62 100
98 10.4 0.0 21.4





#43

Isopropyl Acetate

Concen: 52.18 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

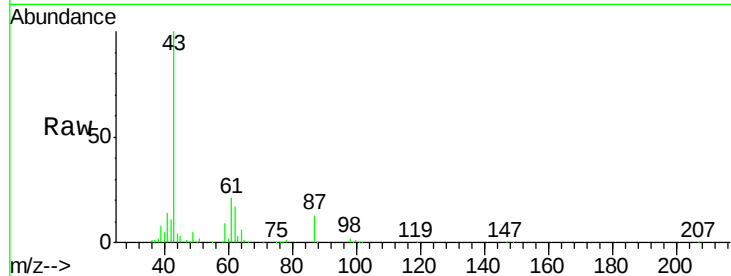
Tgt Ion: 43 Resp: 243587

Ion Ratio Lower Upper

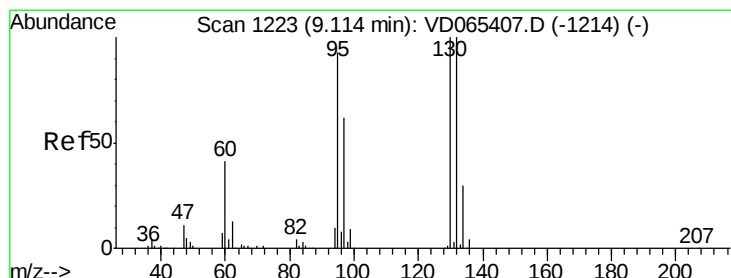
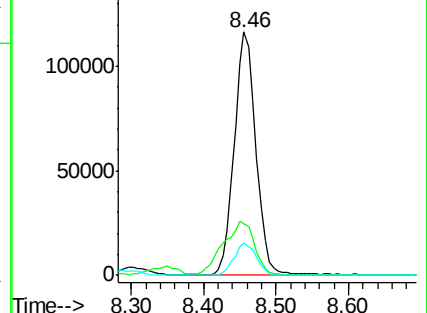
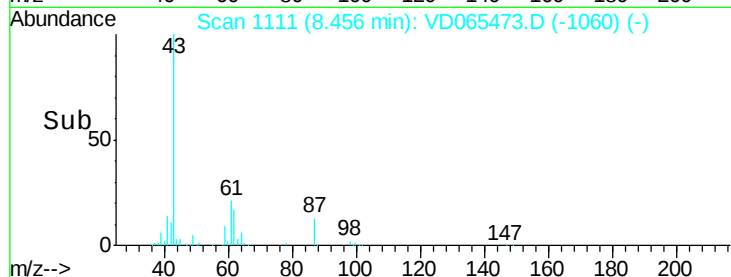
43 100

61 32.1 25.0 37.6

87 13.5 11.0 16.4



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



#44

Trichloroethene

Concen: 52.44 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065473.D

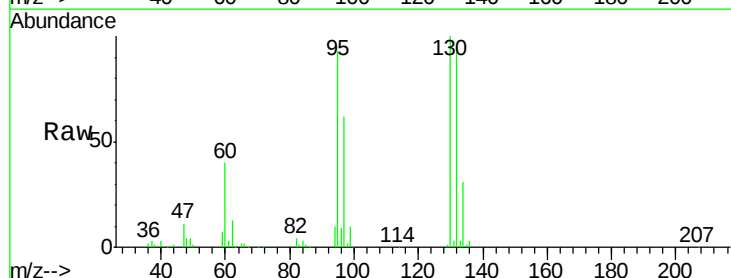
Acq: 11 Mar 2020 10:56

Tgt Ion: 130 Resp: 270866

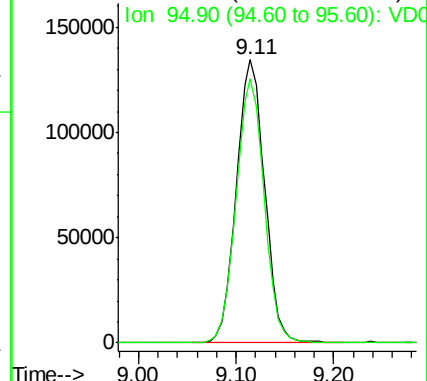
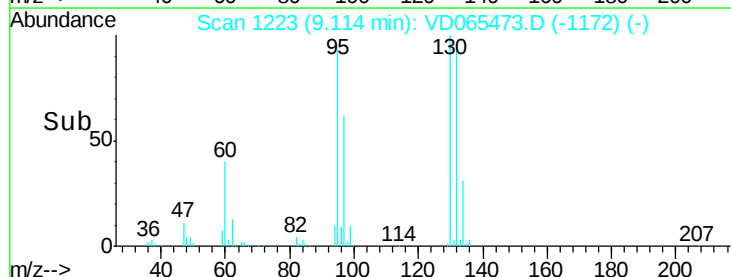
Ion Ratio Lower Upper

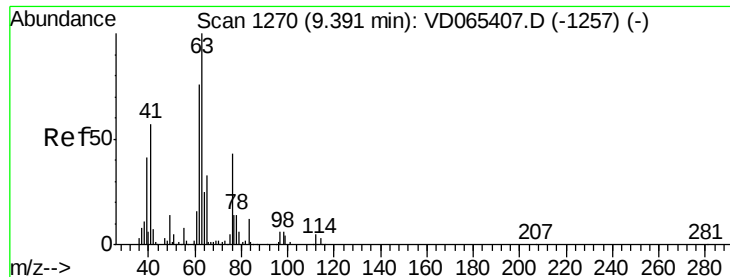
130 100

95 93.5 0.0 186.0



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

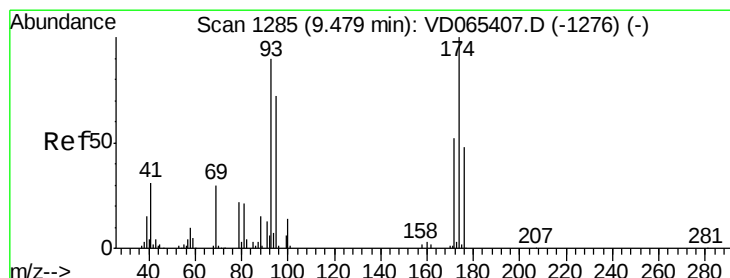
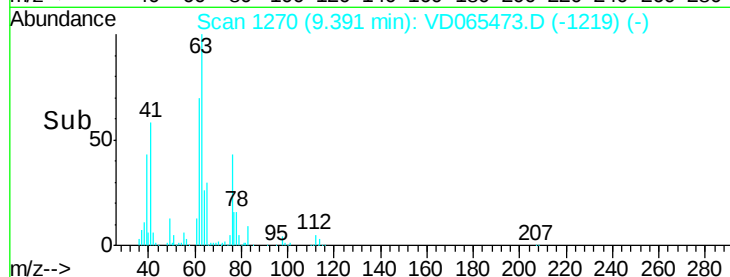
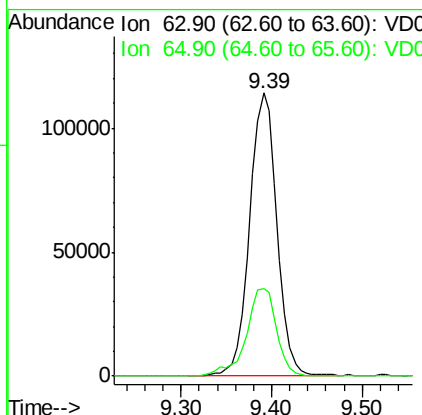
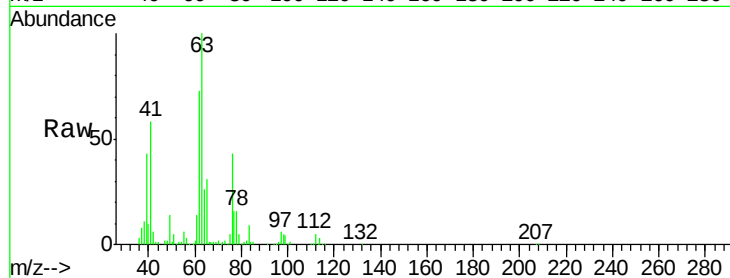




#45
 1,2-Dichloropropane
 Concen: 53.67 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

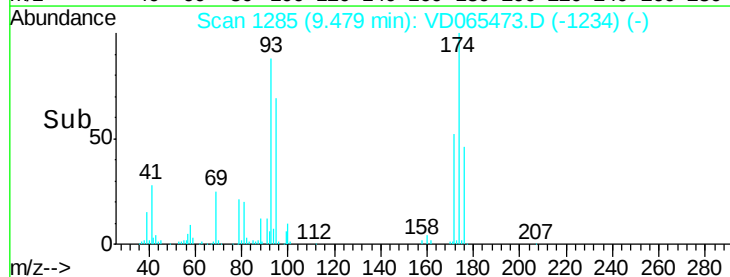
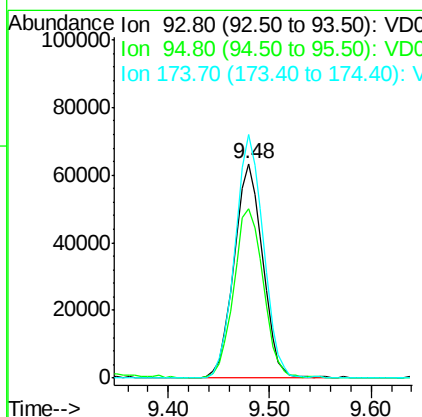
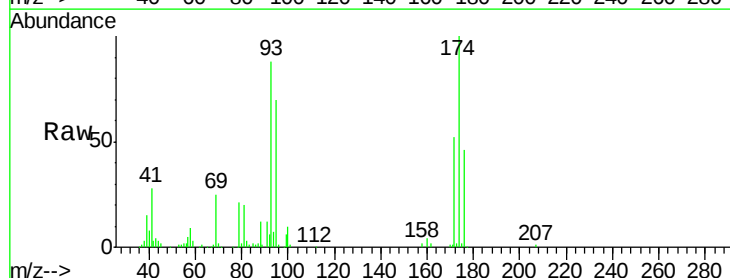
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 237754
 Ion Ratio Lower Upper
 63 100
 65 30.7 26.4 39.6



#46
 Dibromomethane
 Concen: 54.37 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Tgt Ion: 93 Resp: 124933
 Ion Ratio Lower Upper
 93 100
 95 81.3 65.0 97.6
 174 112.5 88.3 132.5





#47

Bromodichloromethane

Concen: 54.07 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

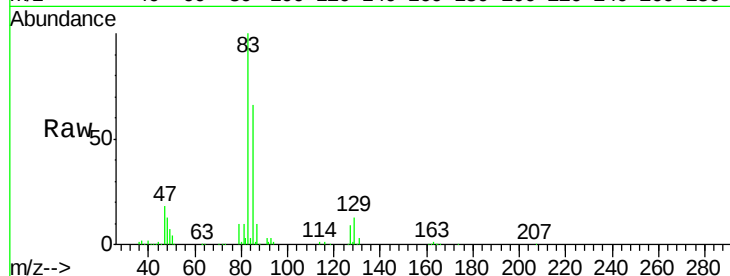
Tgt Ion: 83 Resp: 323236

Ion Ratio Lower Upper

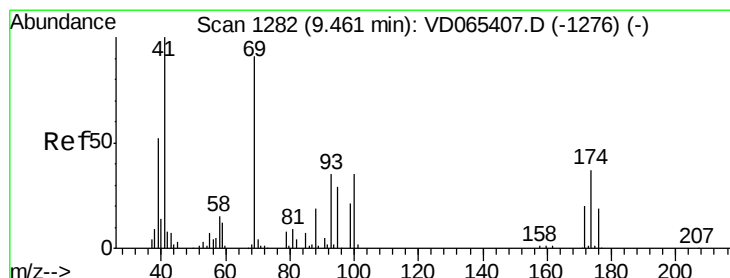
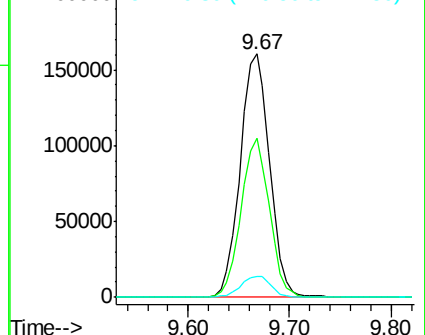
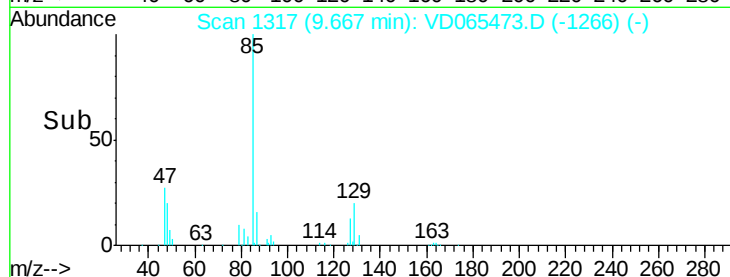
83 100

85 65.5 52.8 79.2

127 8.7 8.0 12.0



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: 57.75 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

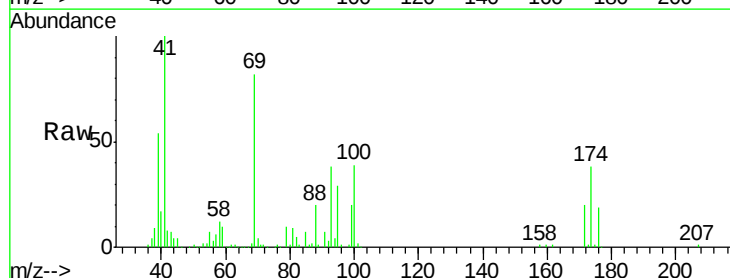
Tgt Ion: 41 Resp: 126825

Ion Ratio Lower Upper

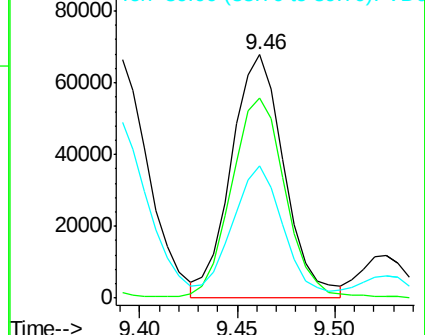
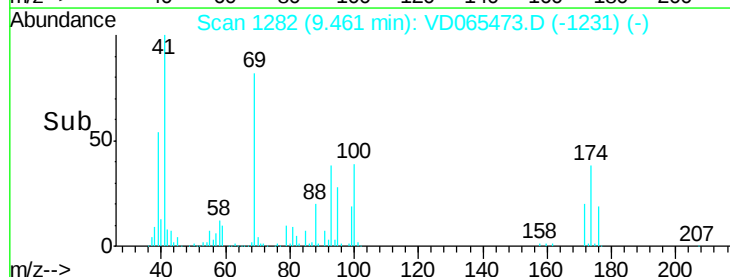
41 100

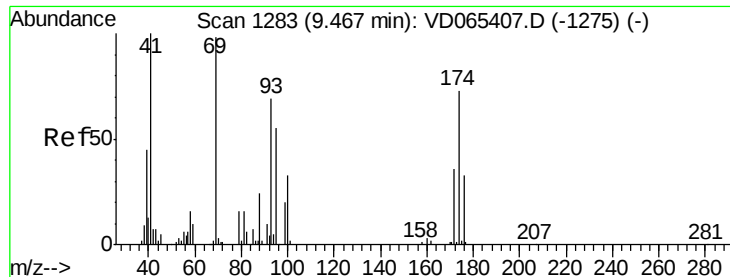
69 84.4 72.5 108.7

39 47.6 41.6 62.4



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

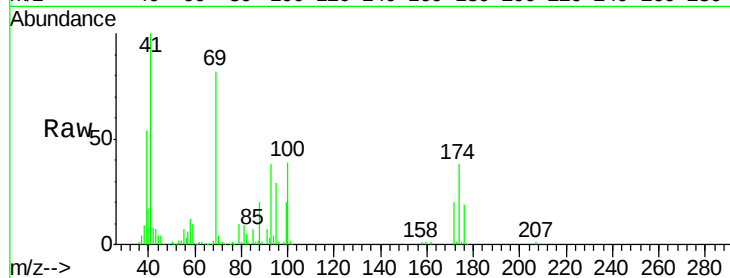




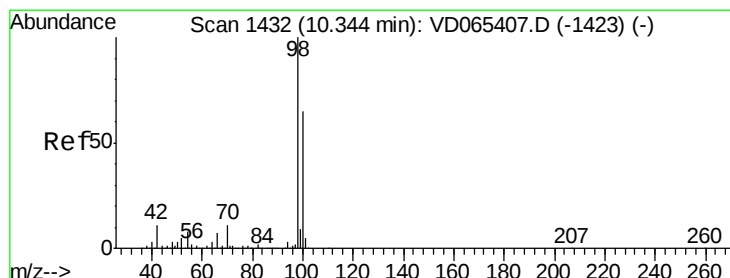
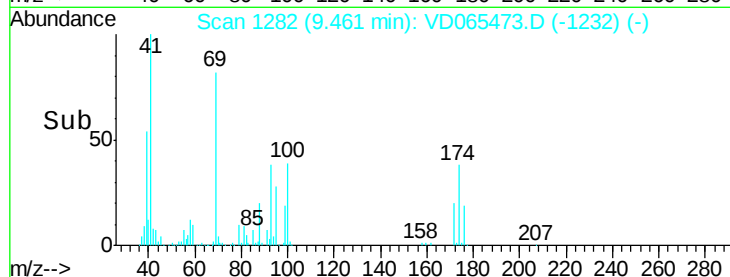
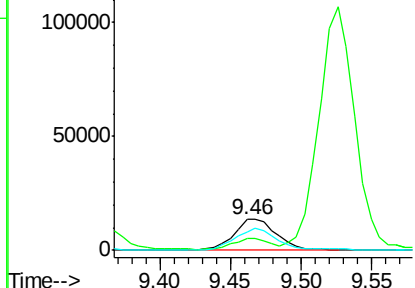
#49
1,4-Dioxane
Concen: 1106.29 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 29079
Ion Ratio Lower Upper
88 100
43 30.6 24.5 36.7
58 67.8 54.5 81.7

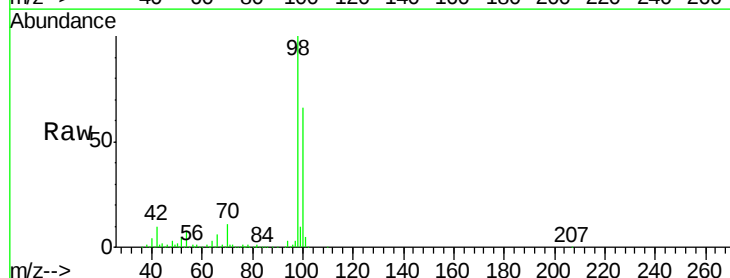


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

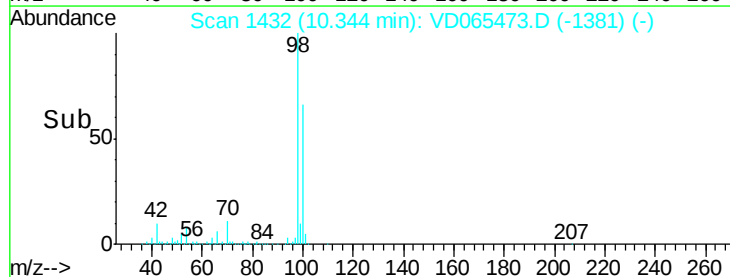
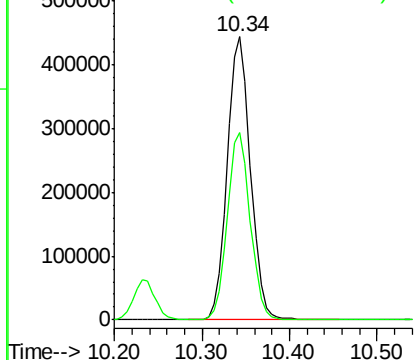


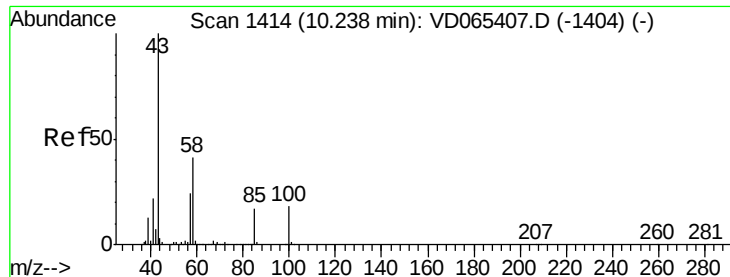
#50
Toluene-d8
Concen: 49.72 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion: 98 Resp: 804949
Ion Ratio Lower Upper
98 100
100 65.2 52.8 79.2



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

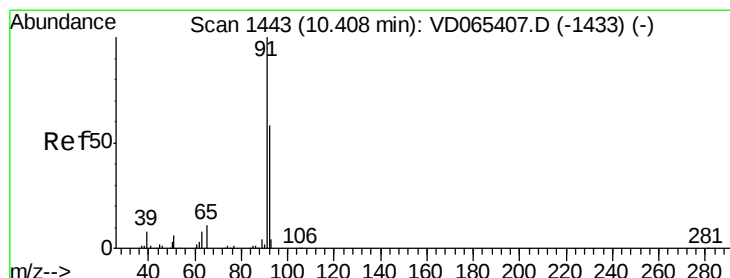
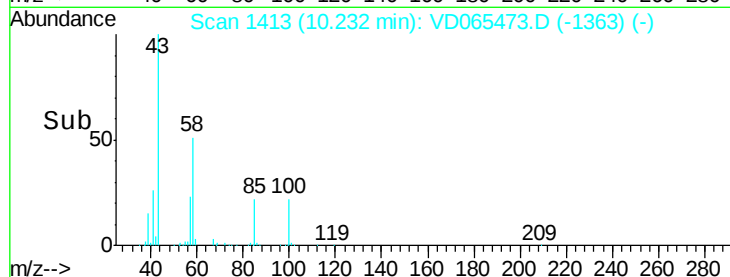
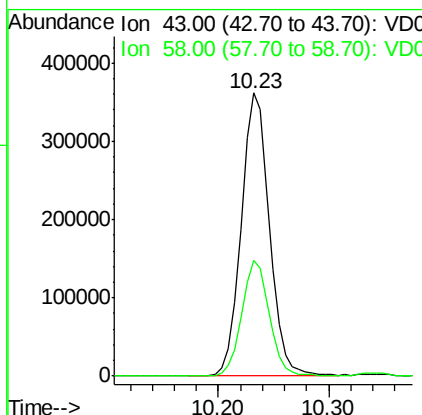
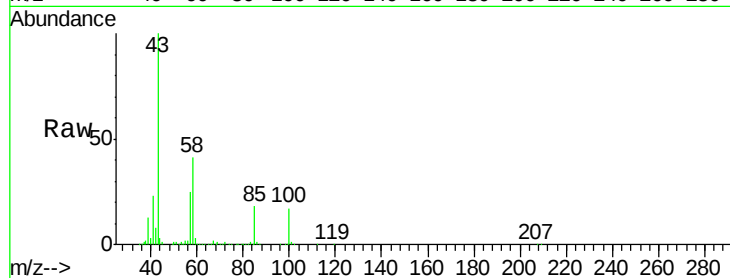




#51
 4-Methyl-2-Pentanone
 Concen: 276.19 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

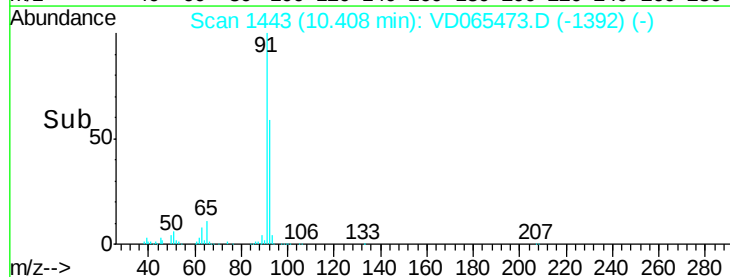
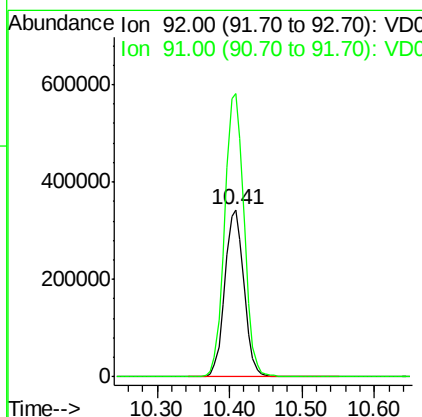
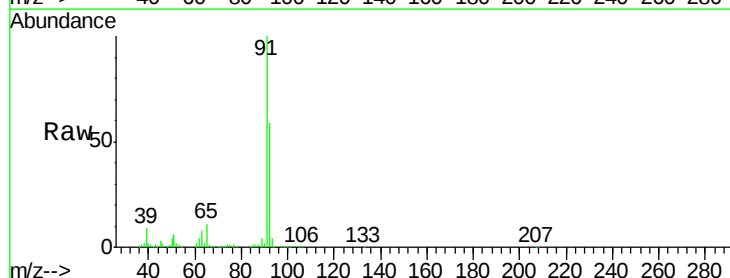
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

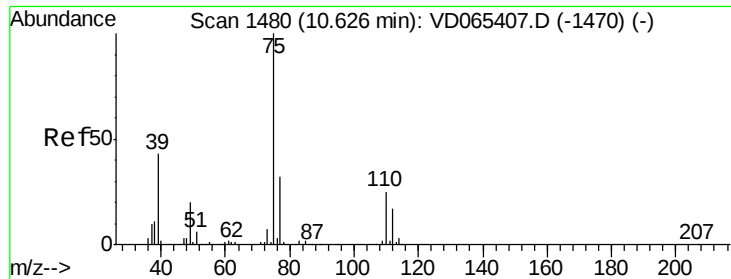
Tgt Ion: 43 Resp: 648823
 Ion Ratio Lower Upper
 43 100
 58 40.1 31.8 47.6



#52
 Toluene
 Concen: 54.65 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Tgt Ion: 92 Resp: 629614
 Ion Ratio Lower Upper
 92 100
 91 171.7 137.8 206.8

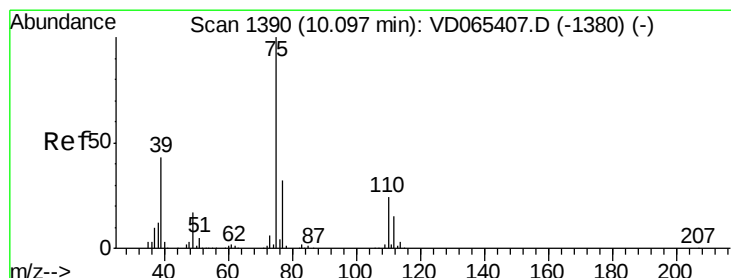
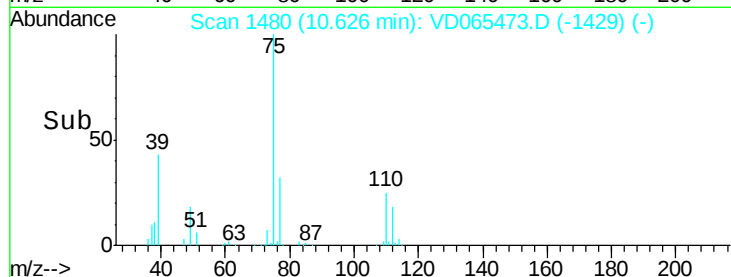
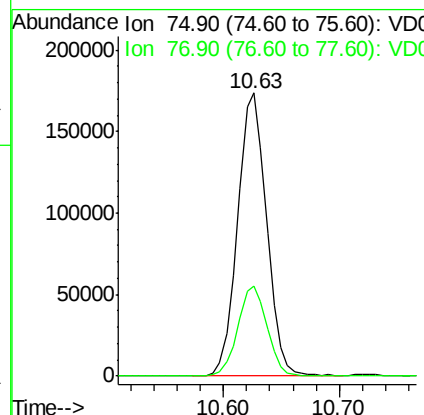
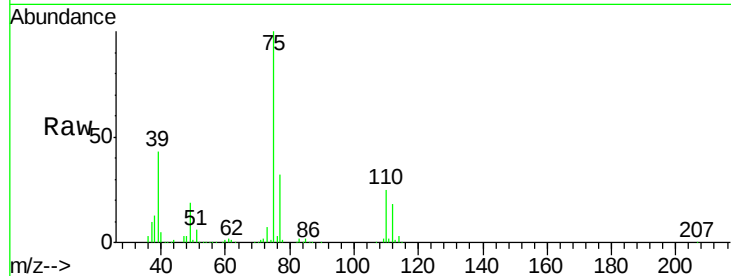




#53
t-1,3-Dichloropropene
Concen: 54.10 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

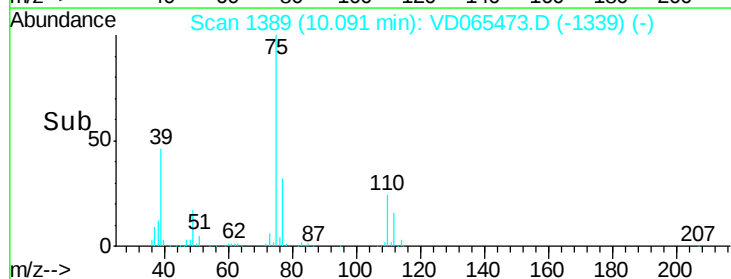
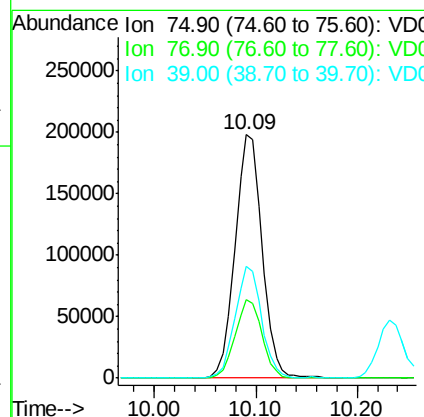
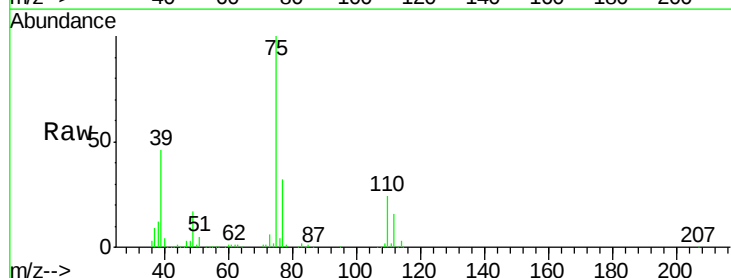
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

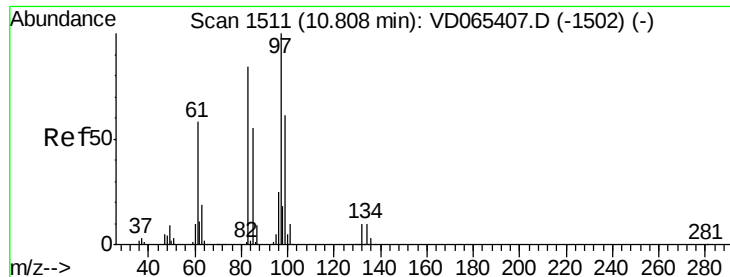
Tgt Ion: 75 Resp: 302236
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 54.13 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion: 75 Resp: 366065
Ion Ratio Lower Upper
75 100
77 32.4 25.3 37.9
39 46.2 34.6 52.0

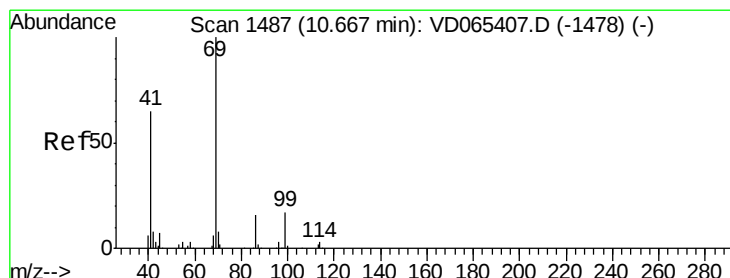
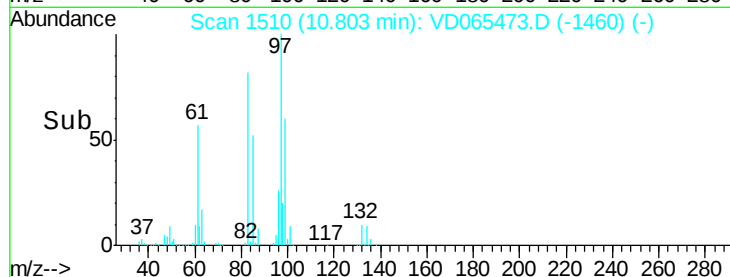
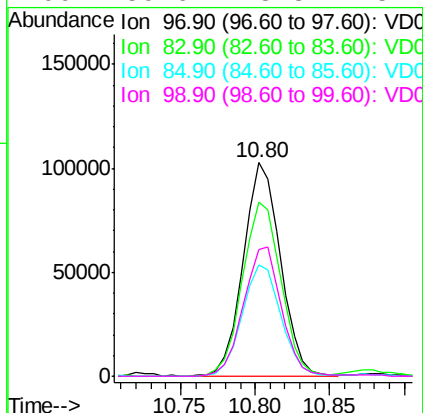
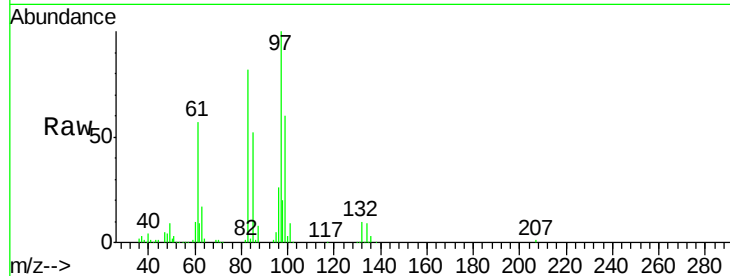




#55
 1,1,2-Trichloroethane
 Concen: 54.15 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

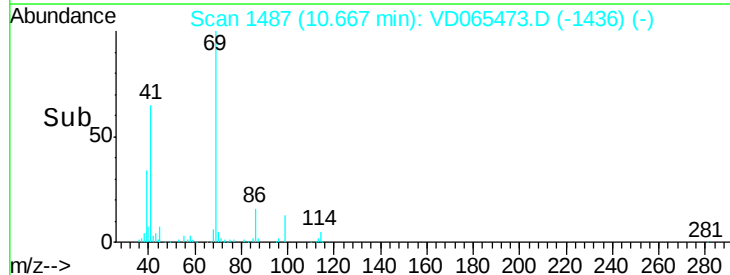
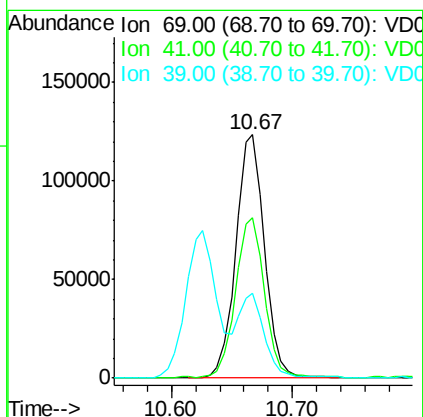
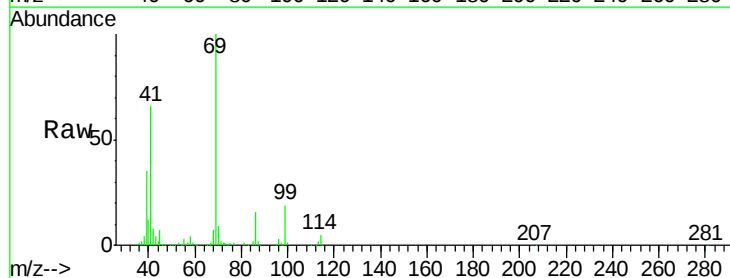
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 97 Resp: 176232
 Ion Ratio Lower Upper
 97 100
 83 81.9 67.4 101.0
 85 52.2 43.8 65.8
 99 59.6 48.8 73.2



#56
 Ethyl methacrylate
 Concen: 55.71 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Tgt Ion: 69 Resp: 204400
 Ion Ratio Lower Upper
 69 100
 41 66.2 53.0 79.6
 39 30.8 26.0 39.0





#57

1,3-Dichloropropane

Concen: 54.00 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

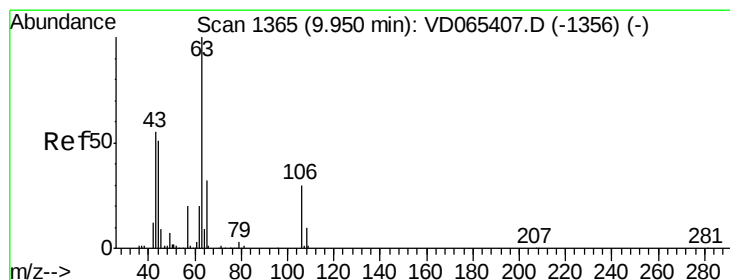
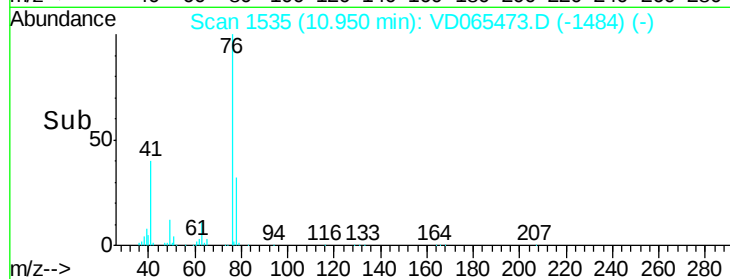
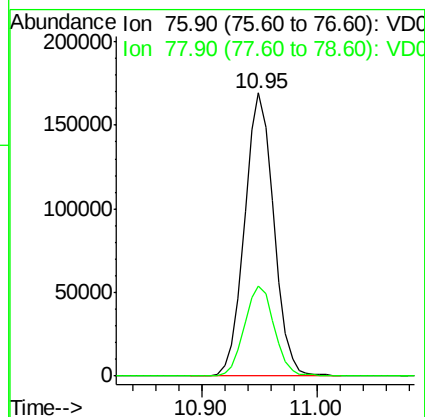
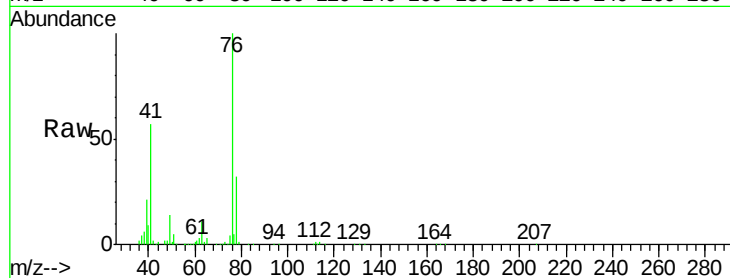
VSTDCCC050

Tgt Ion: 76 Resp: 297367

Ion Ratio Lower Upper

76 100

78 32.6 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 215.02 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065473.D

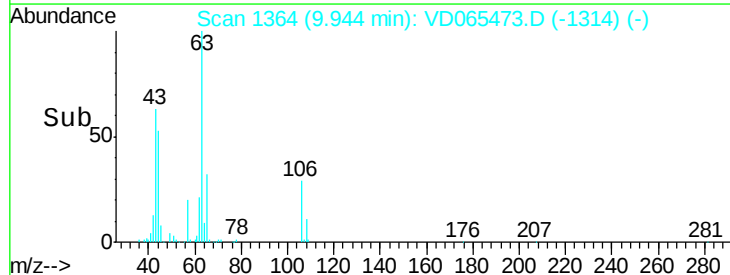
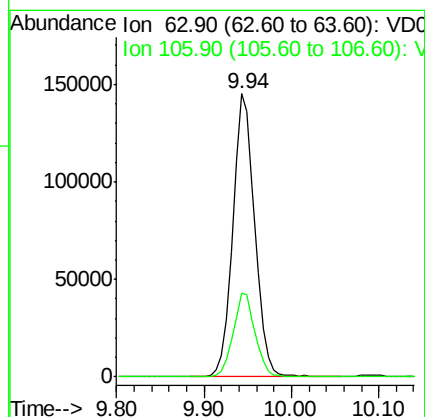
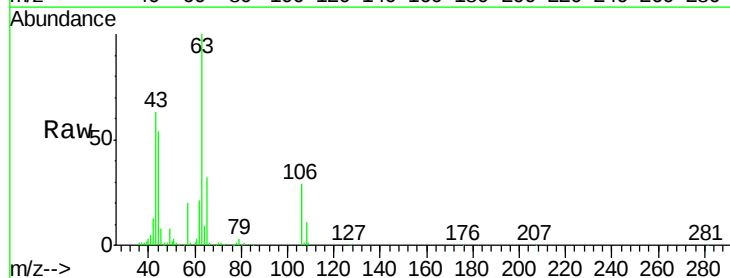
Acq: 11 Mar 2020 10:56

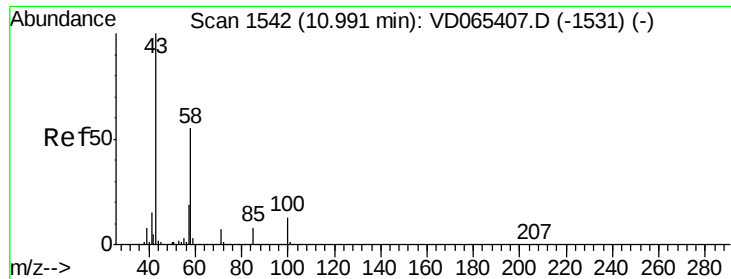
Tgt Ion: 63 Resp: 246222

Ion Ratio Lower Upper

63 100

106 29.3 23.3 34.9

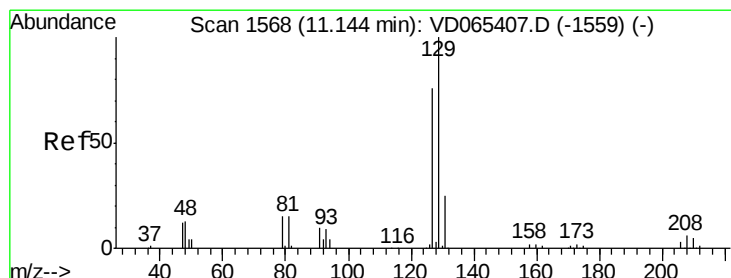
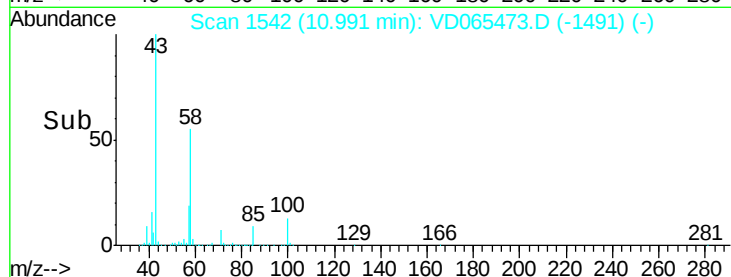
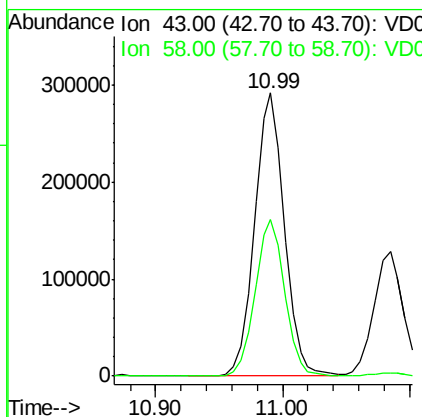
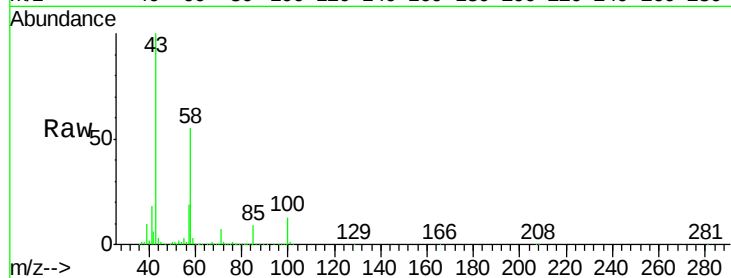




#59
2-Hexanone
Concen: 293.89 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

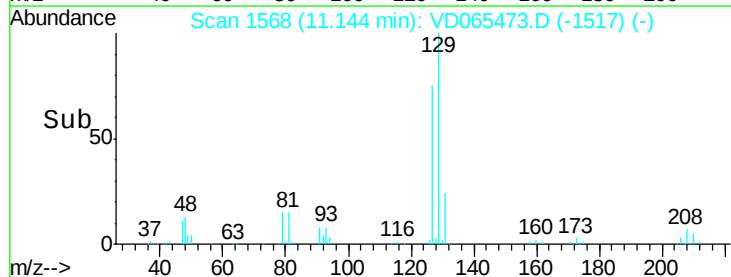
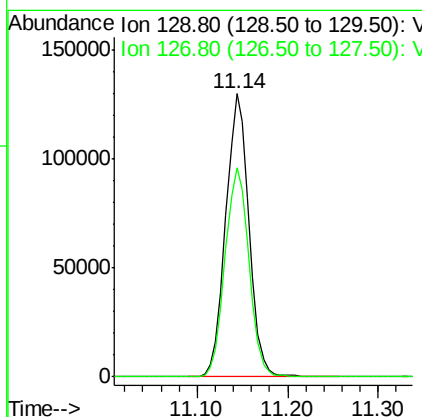
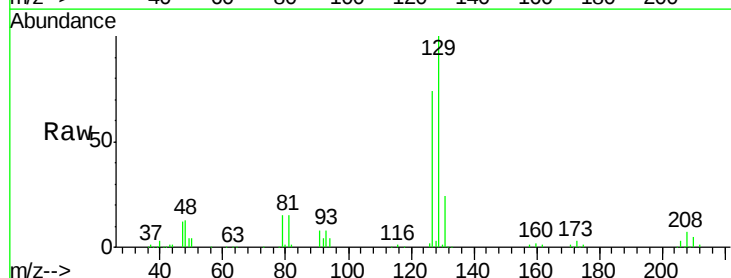
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

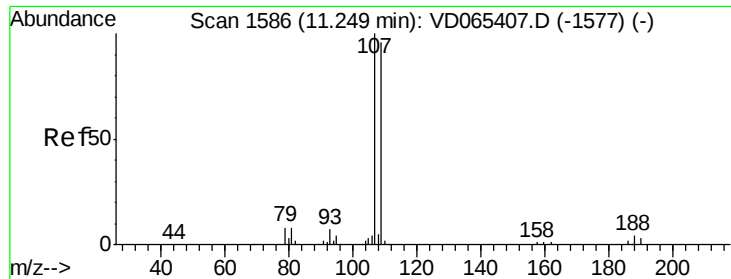
Tgt Ion: 43 Resp: 477926
Ion Ratio Lower Upper
43 100
58 55.1 27.4 82.2



#60
Dibromochloromethane
Concen: 55.35 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion: 129 Resp: 230909
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.5

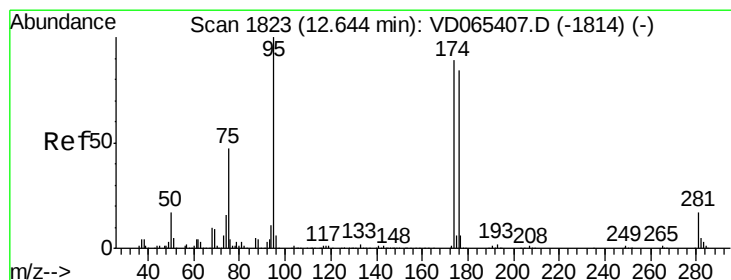
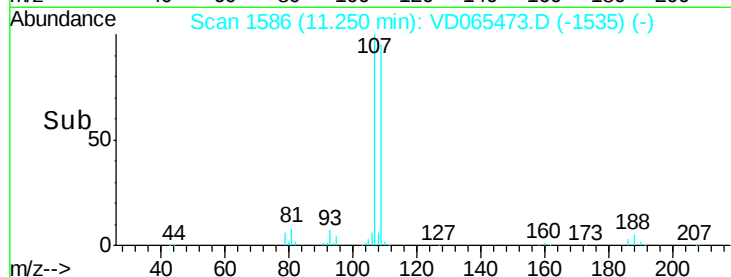
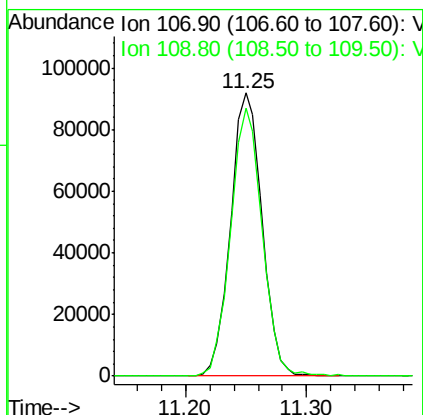
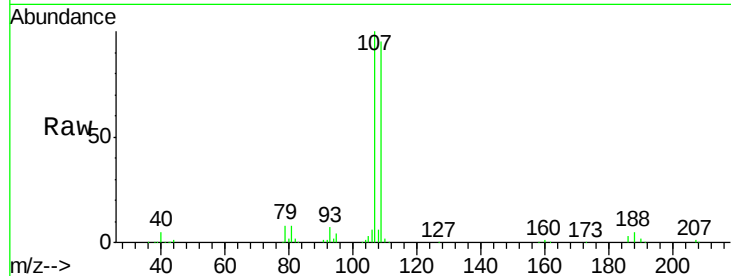




#61
 1,2-Dibromoethane
 Concen: 53.74 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

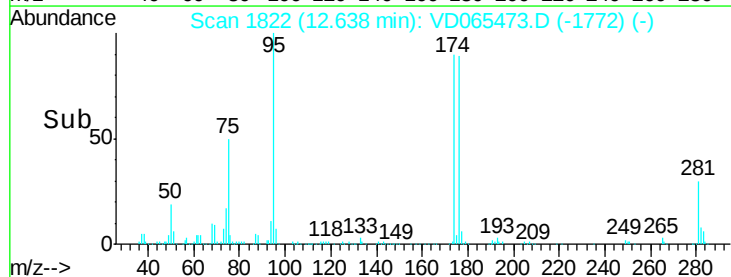
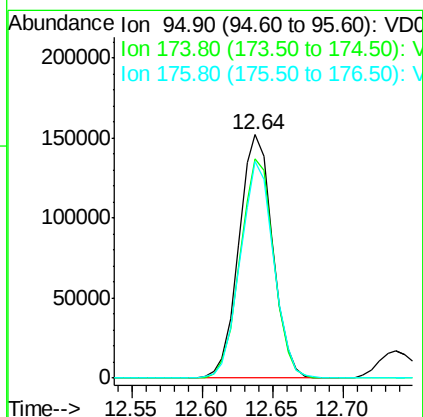
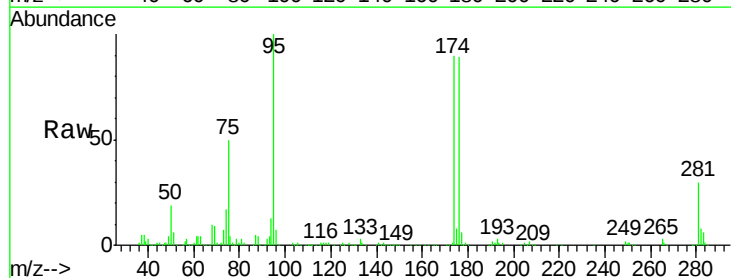
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 166846
 Ion Ratio Lower Upper
 107 100
 109 95.3 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 50.84 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Tgt Ion: 95 Resp: 254075
 Ion Ratio Lower Upper
 95 100
 174 89.6 0.0 176.8
 176 88.3 0.0 171.4

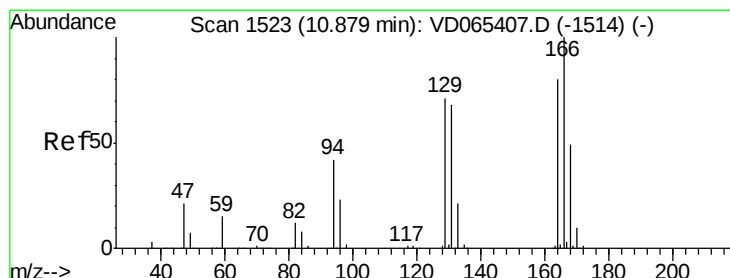
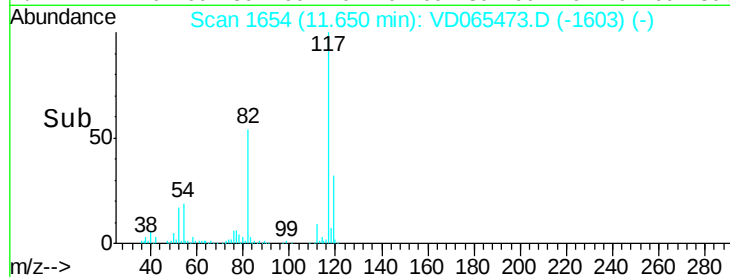
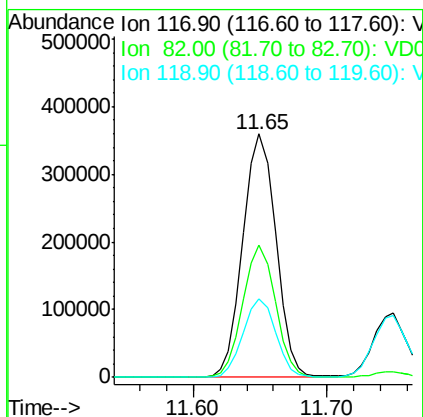
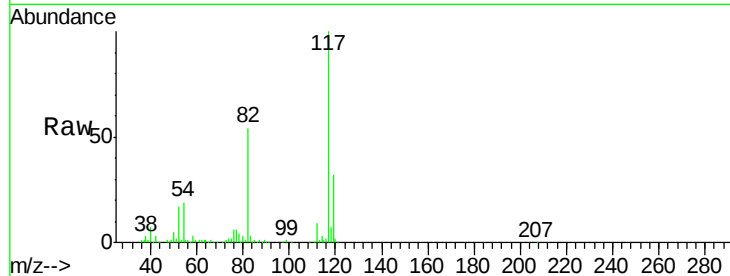




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

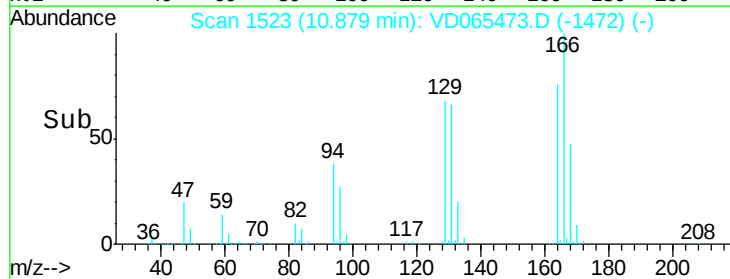
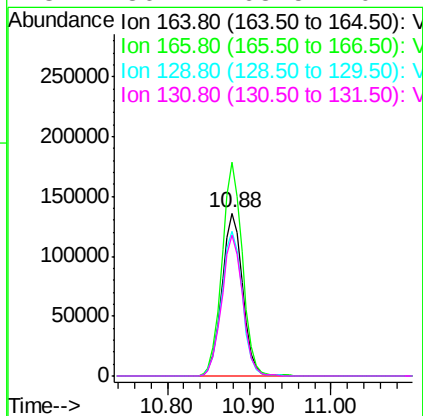
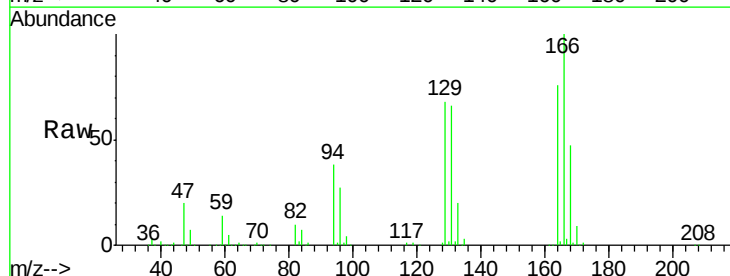
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

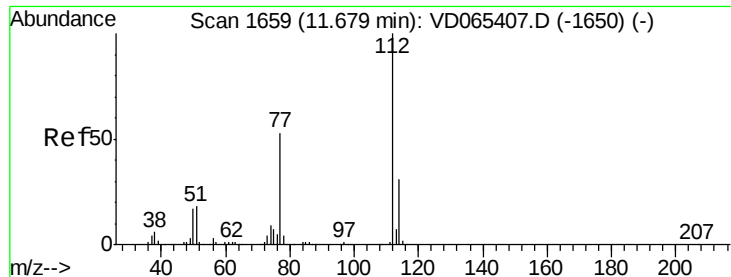
Tgt Ion:	117	Resp:	620387
Ion	Ratio	Lower	Upper
117	100		
82	54.4	40.6	60.8
119	32.3	25.4	38.2



#64
Tetrachloroethene
Concen: 53.67 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion:	164	Resp:	238581
Ion	Ratio	Lower	Upper
164	100		
166	130.9	100.5	150.7
129	88.5	71.5	107.3
131	86.1	68.5	102.7

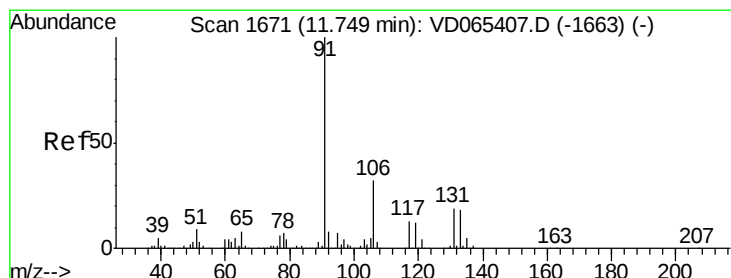
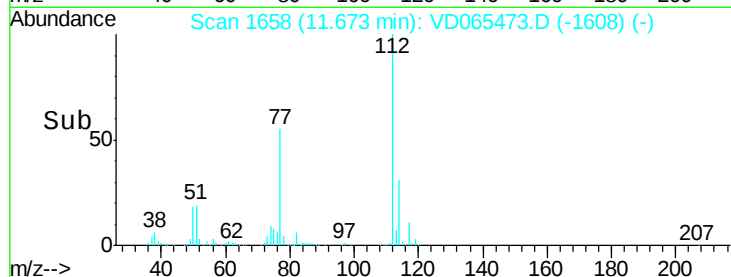
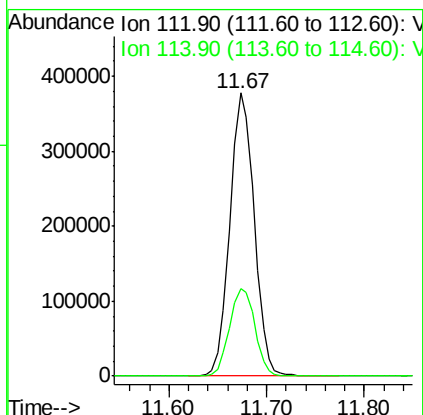
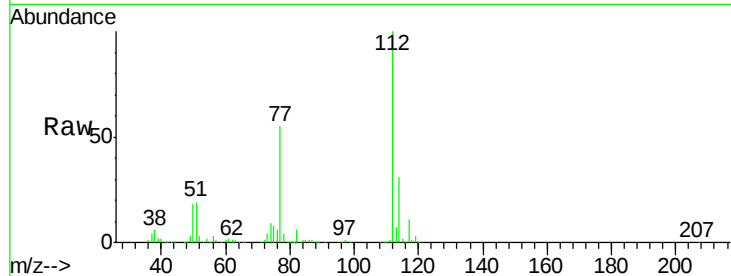




#65
Chlorobenzene
Concen: 53.34 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

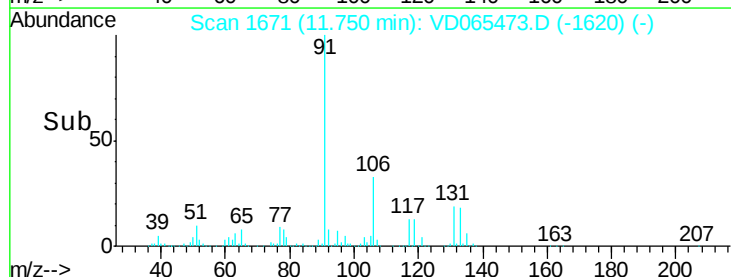
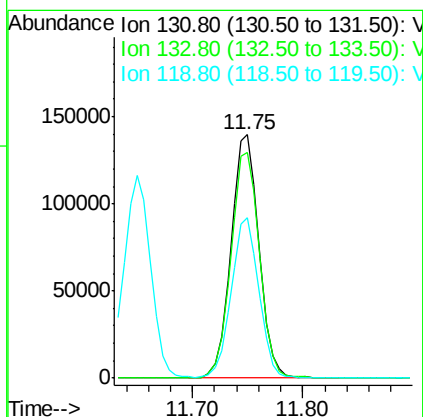
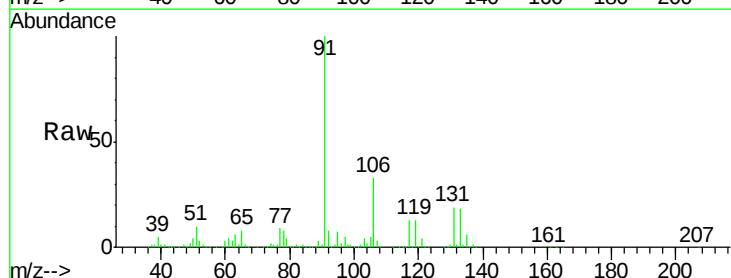
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

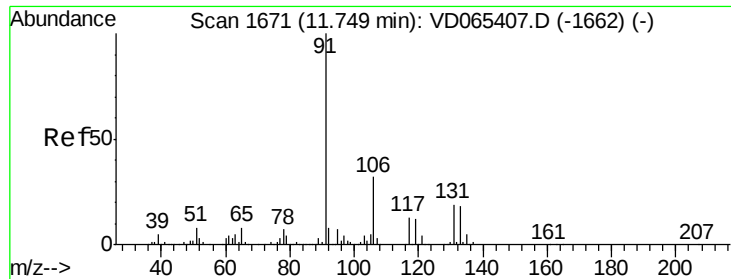
Tgt Ion:112 Resp: 654816
Ion Ratio Lower Upper
112 100
114 31.0 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 55.21 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion:131 Resp: 246865
Ion Ratio Lower Upper
131 100
133 94.9 49.2 147.6
119 65.5 33.3 99.8





#67

Ethyl Benzene

Concen: 55.40 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

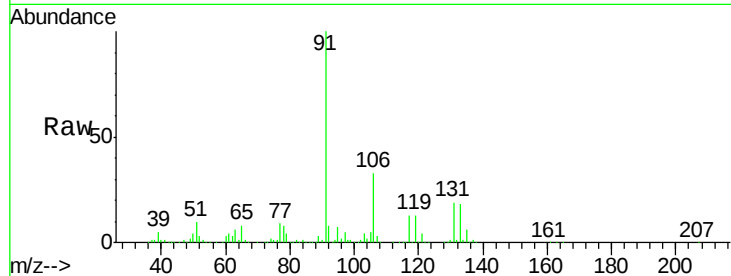
VSTDCCC050

Tgt Ion: 91 Resp: 1175201

Ion Ratio Lower Upper

91 100

106 33.0 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V

1000000

800000

600000

400000

200000

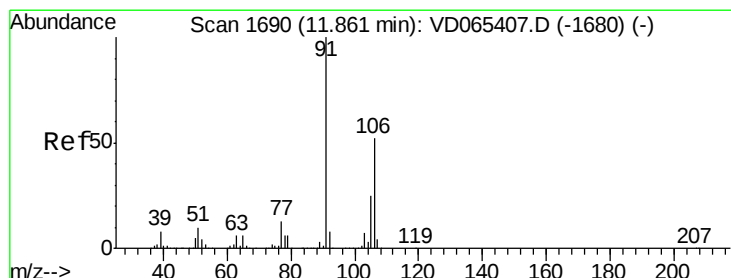
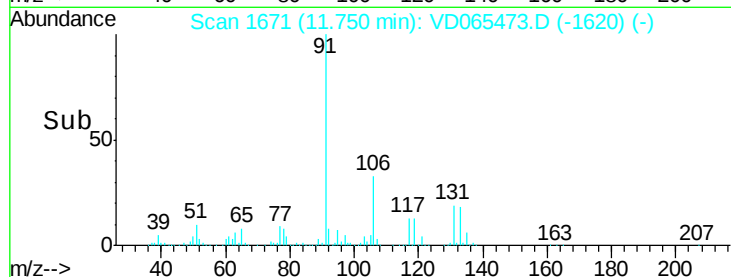
0

11.70

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 111.90 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065473.D

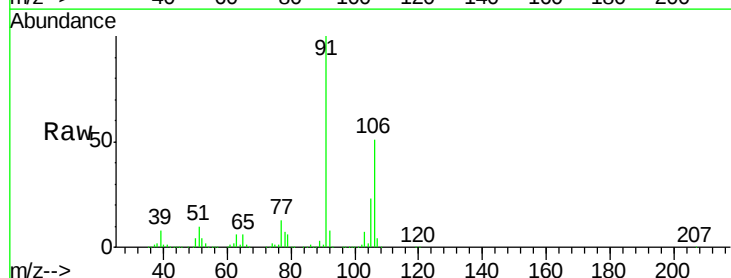
Acq: 11 Mar 2020 10:56

Tgt Ion: 106 Resp: 915275

Ion Ratio Lower Upper

106 100

91 195.2 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

1000000

800000

600000

400000

200000

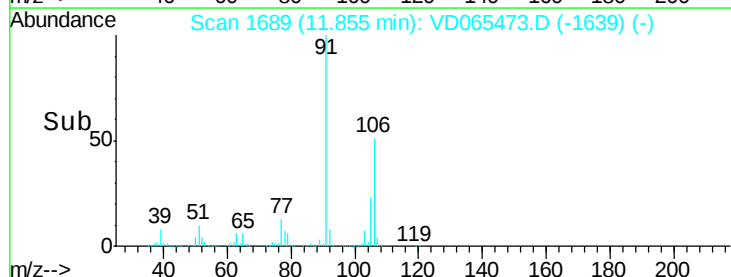
0

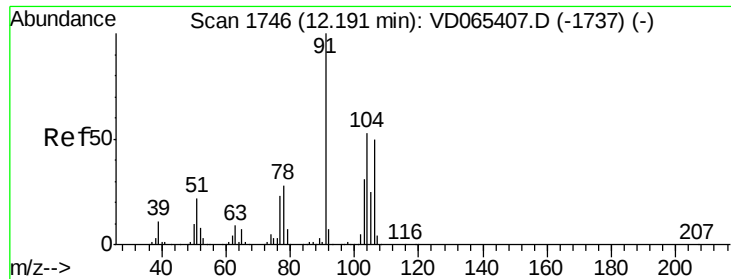
11.80

11.86

11.90

Time-->

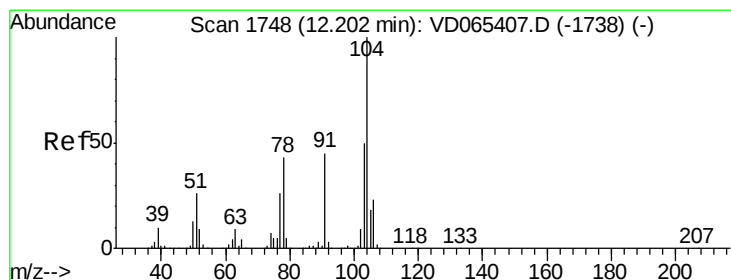
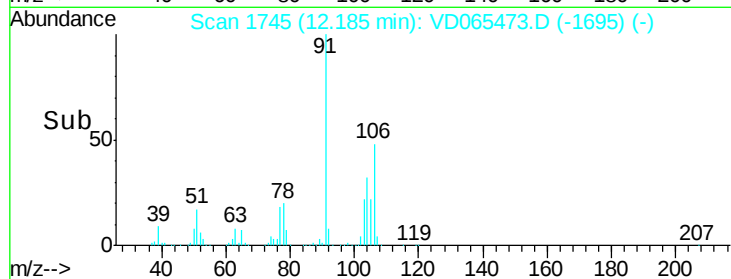
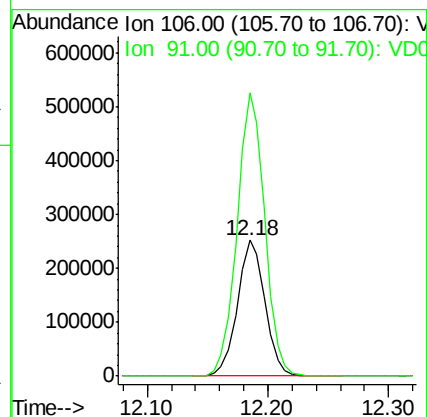
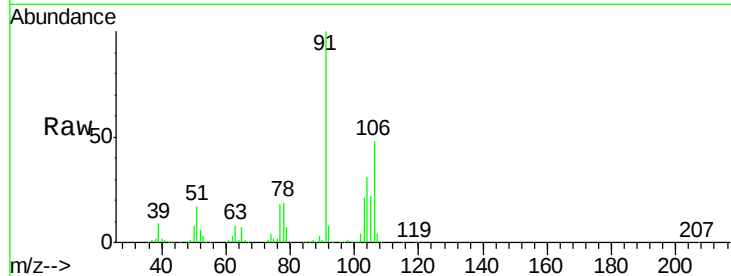




#69
o-Xylene
Concen: 55.60 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

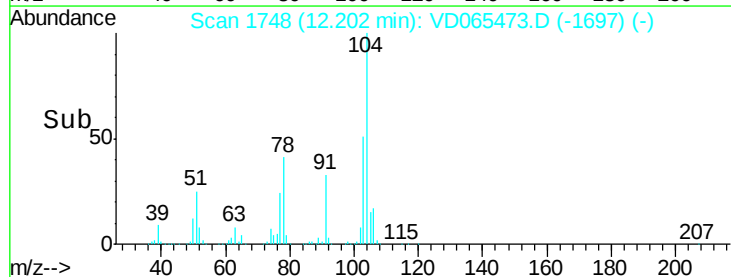
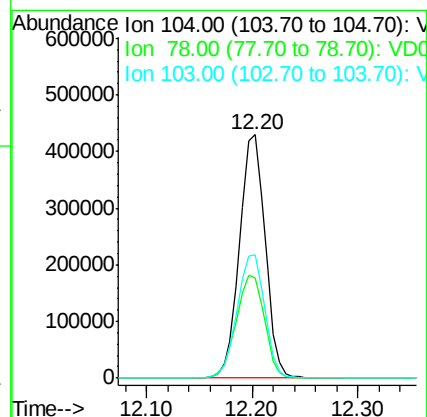
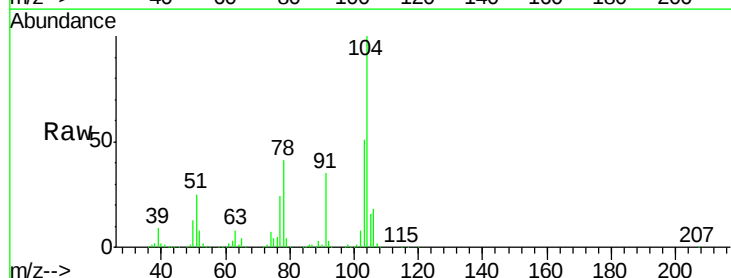
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

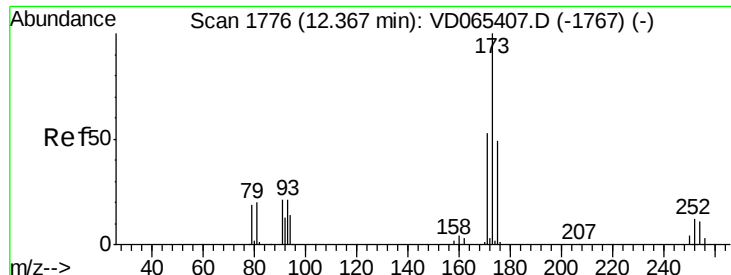
Tgt Ion:106 Resp: 400025
Ion Ratio Lower Upper
106 100
91 209.5 103.5 310.3



#70
Styrene
Concen: 57.00 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion:104 Resp: 721778
Ion Ratio Lower Upper
104 100
78 46.5 37.7 56.5
103 54.5 43.6 65.4

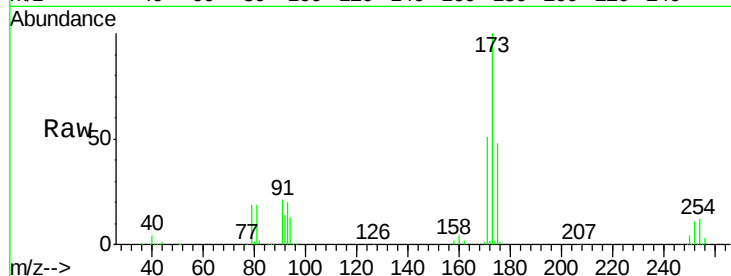




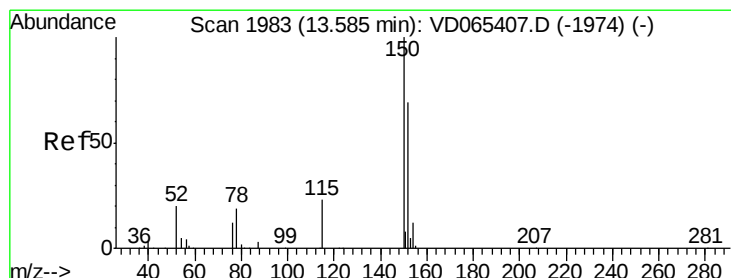
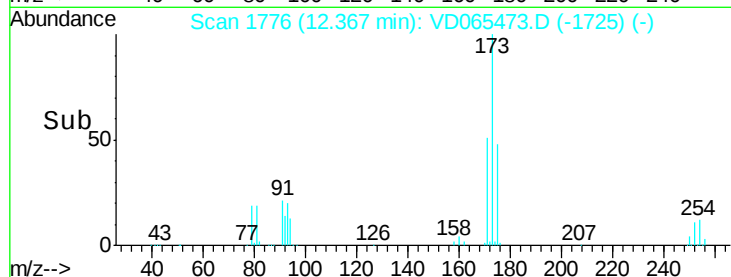
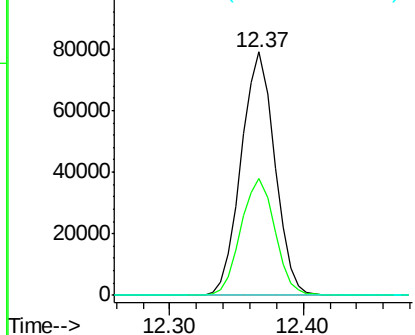
#71
Bromoform
Concen: 55.00 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 138142
Ion Ratio Lower Upper
173 100
175 48.4 24.3 73.0
254 0.0 0.1 0.1#

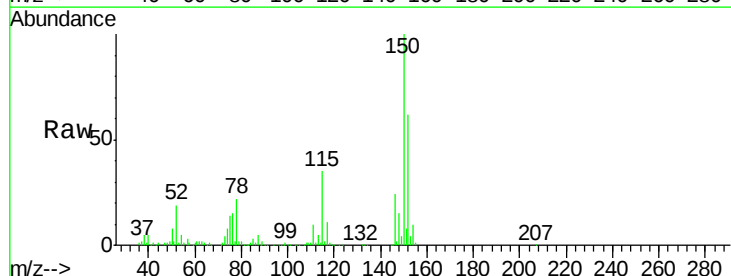


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

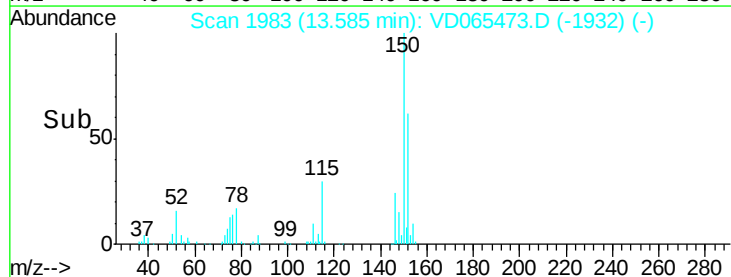
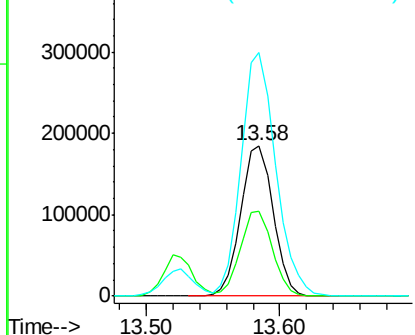


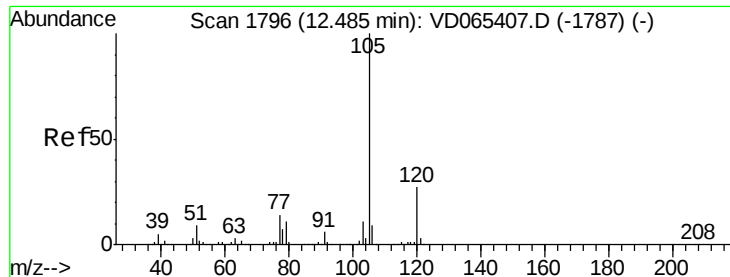
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion:152 Resp: 309794
Ion Ratio Lower Upper
152 100
115 55.8 27.6 82.8
150 173.7 0.0 345.0



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: 55.07 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

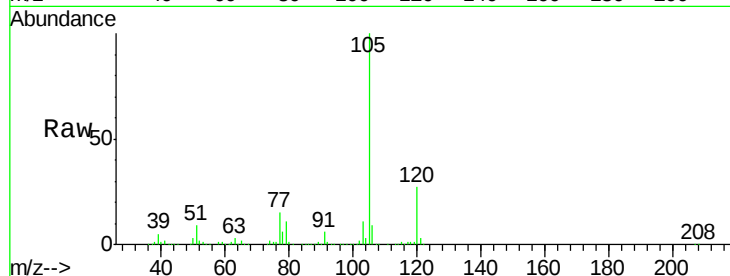
VSTDCCC050

Tgt Ion:105 Resp: 1122194

Ion Ratio Lower Upper

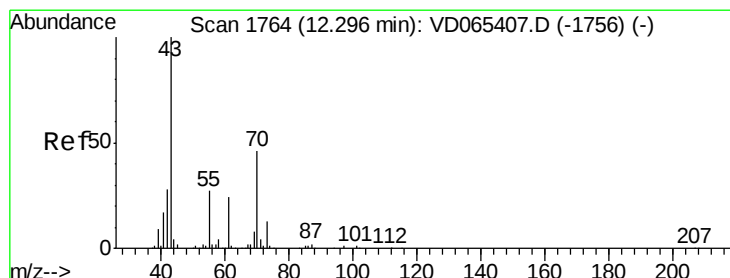
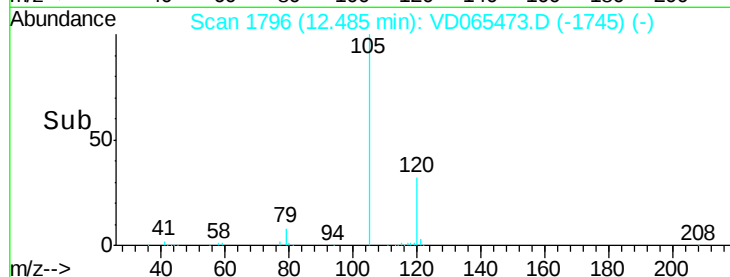
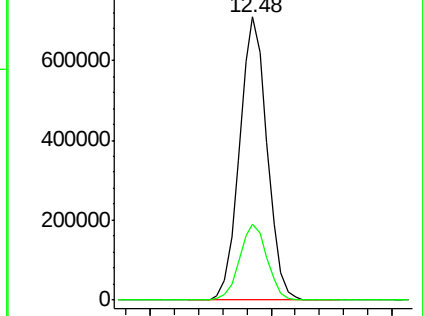
105 100

120 26.9 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.94 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Tgt Ion: 43 Resp: 220840

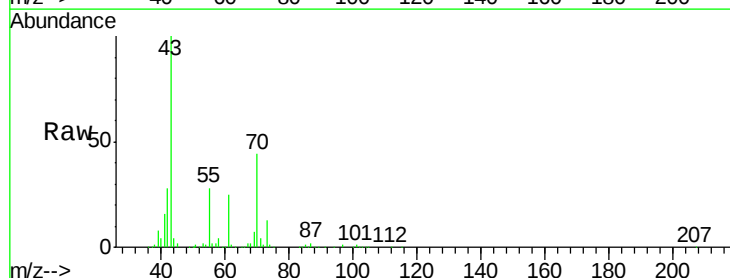
Ion Ratio Lower Upper

43 100

70 44.3 36.1 54.1

55 28.5 21.6 32.4

61 24.4 19.6 29.4

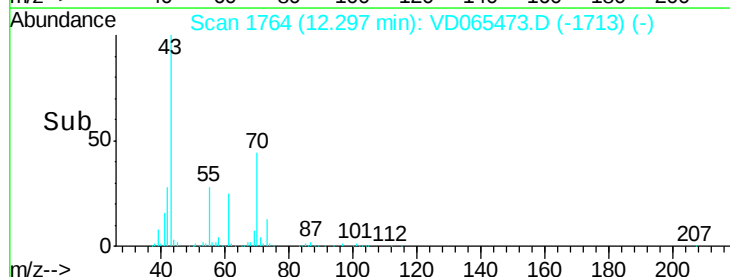
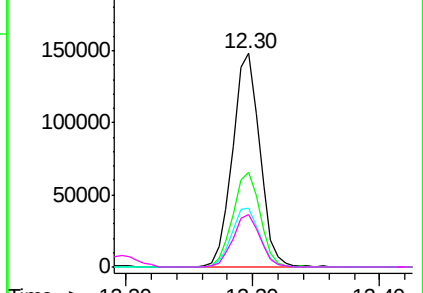


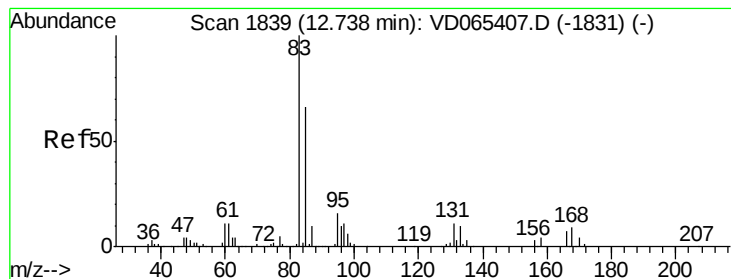
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 52.15 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

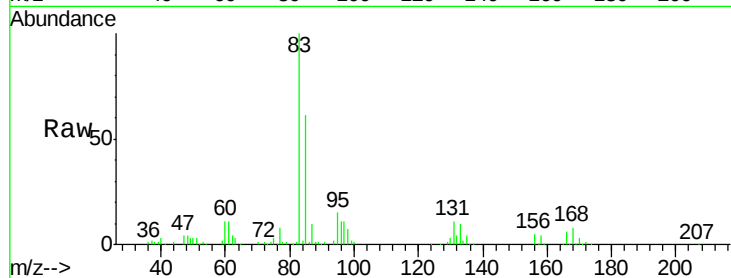
Tgt Ion: 83 Resp: 186779

Ion Ratio Lower Upper

83 100

131 11.5 5.4 16.2

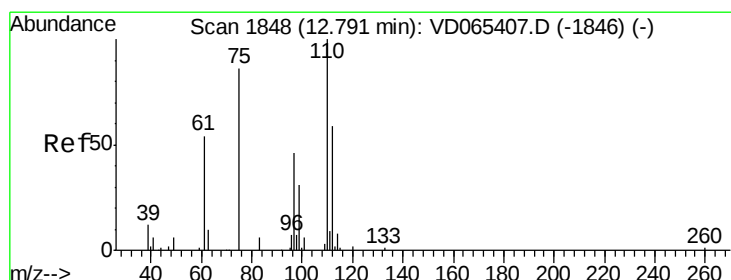
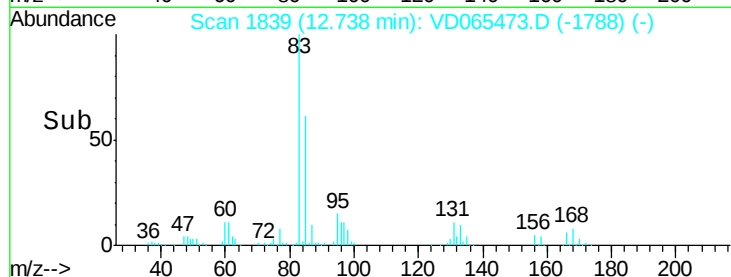
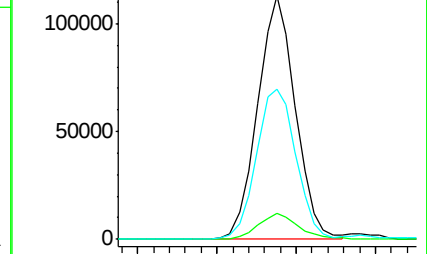
85 65.0 33.0 98.9



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: 98.20 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065473.D

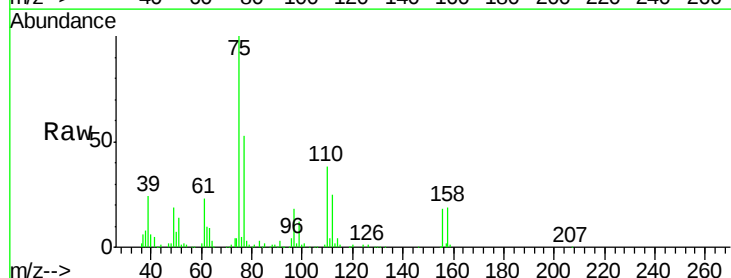
Acq: 11 Mar 2020 10:56

Tgt Ion: 75 Resp: 240053

Ion Ratio Lower Upper

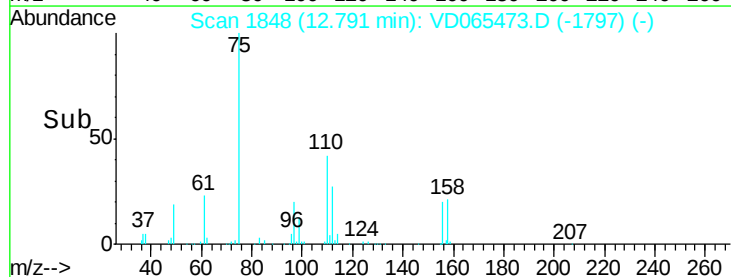
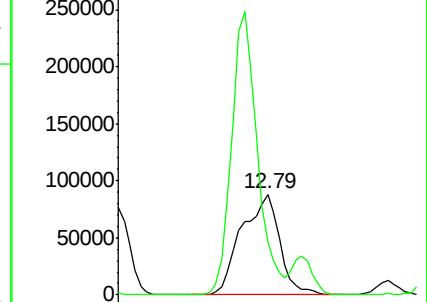
75 100

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: 53.70 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

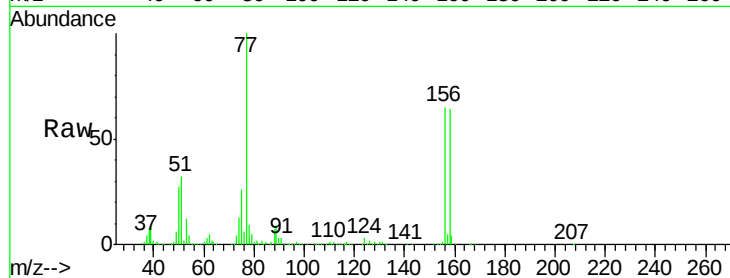
Tgt Ion:156 Resp: 271846

Ion Ratio Lower Upper

156 100

77 168.0 84.9 254.6

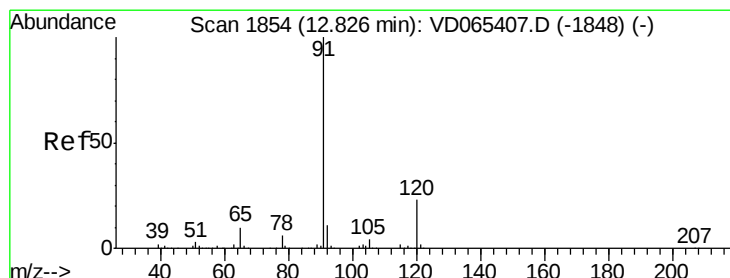
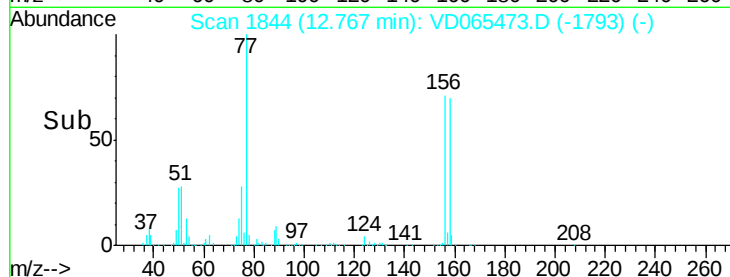
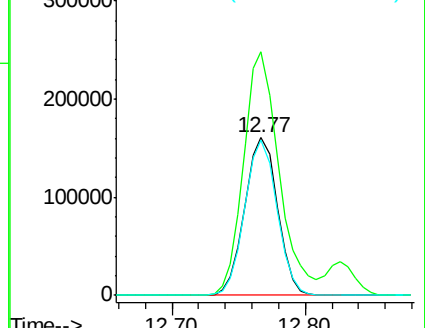
158 97.1 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.35 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065473.D

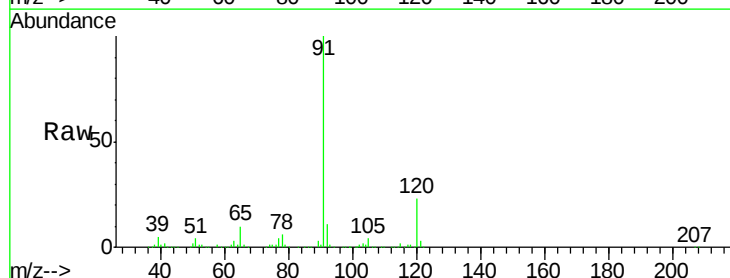
Acq: 11 Mar 2020 10:56

Tgt Ion: 91 Resp: 1338280

Ion Ratio Lower Upper

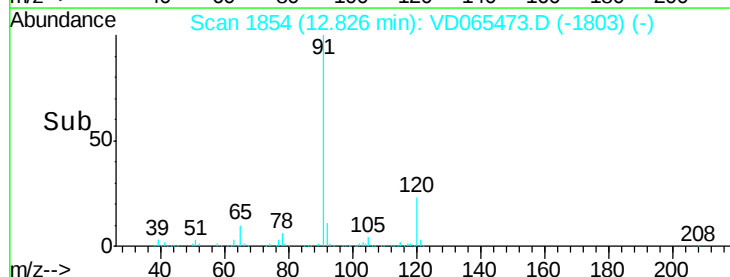
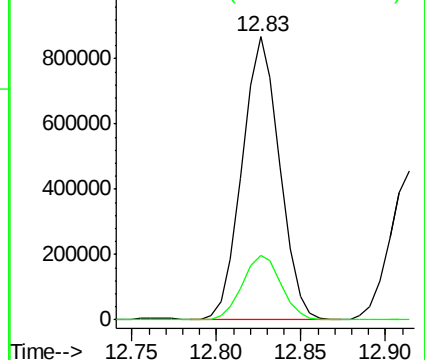
91 100

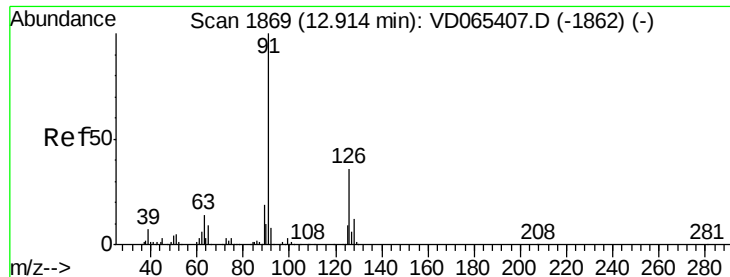
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

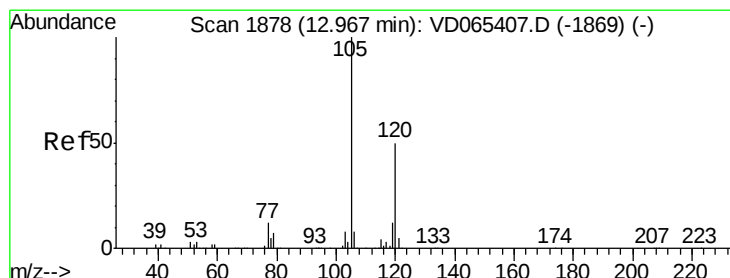
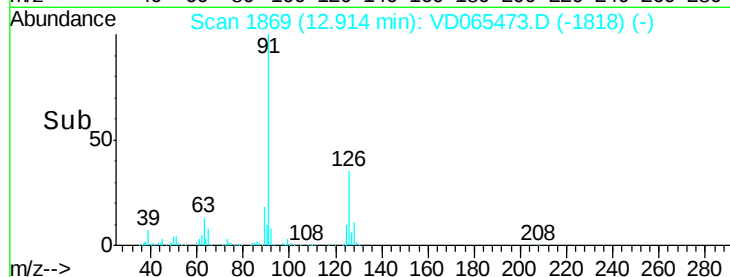
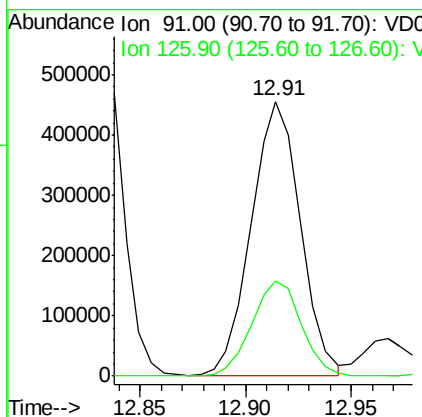
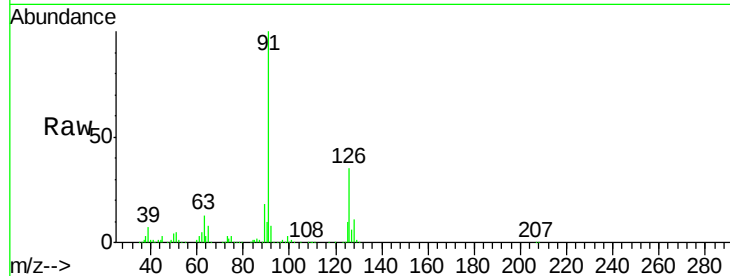




#79
 2-Chlorotoluene
 Concen: 53.98 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

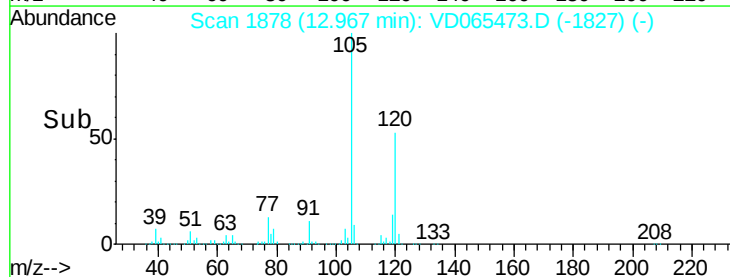
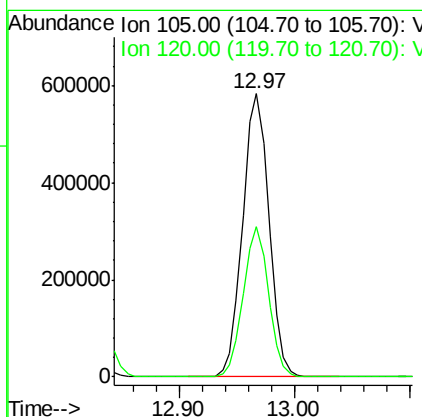
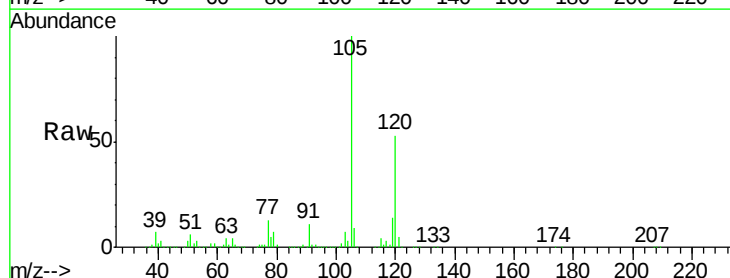
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

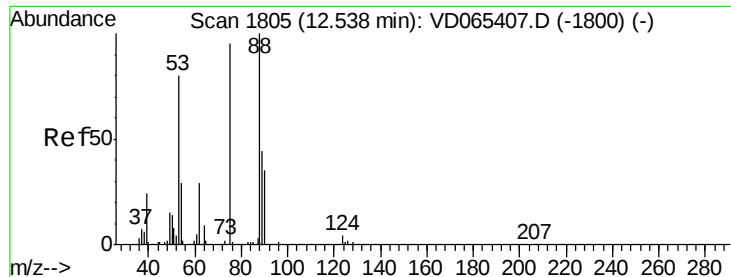
Tgt Ion: 91 Resp: 735573
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 55.13 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Tgt Ion: 105 Resp: 923514
 Ion Ratio Lower Upper
 105 100
 120 51.4 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.43 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

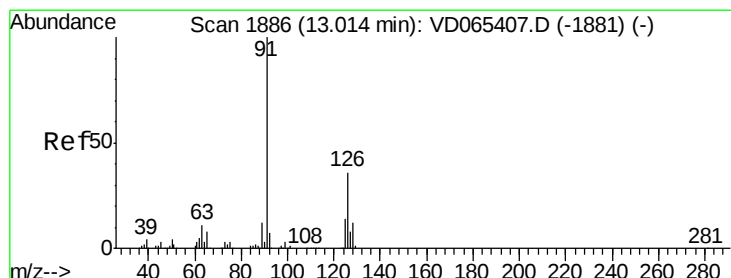
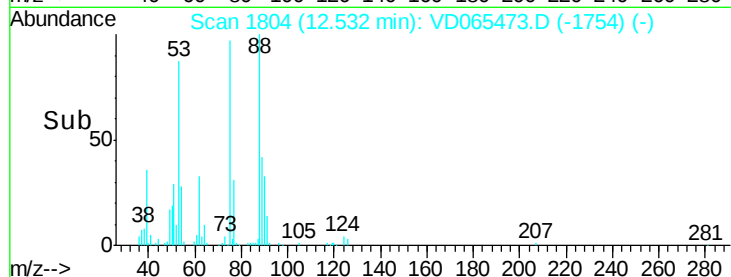
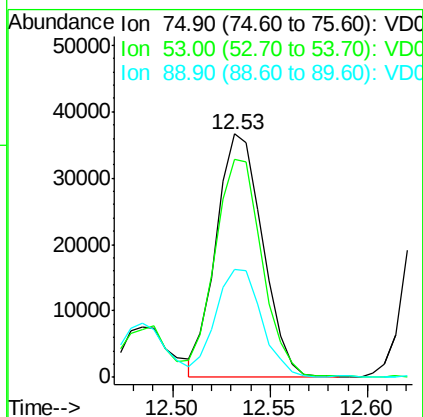
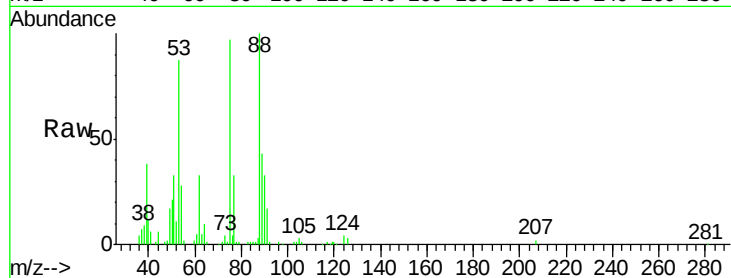
Tgt Ion: 75 Resp: 60729

Ion Ratio Lower Upper

75 100

53 92.0 71.3 106.9

89 44.2 37.0 55.6



#82

4-Chlorotoluene

Concen: 53.92 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065473.D

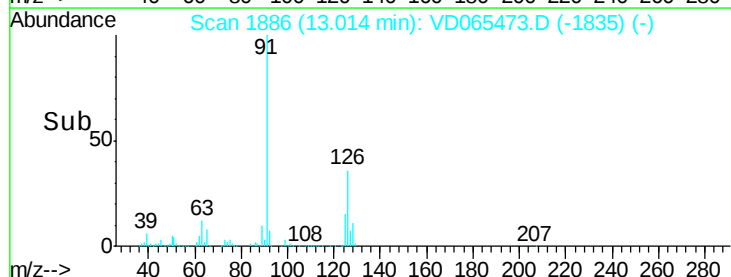
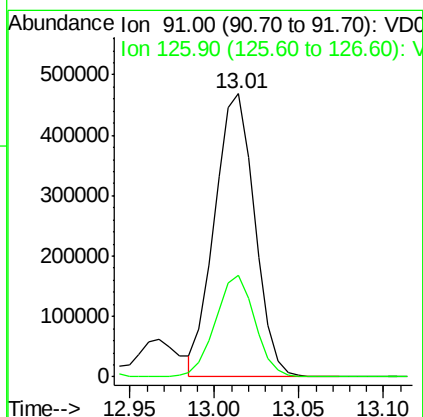
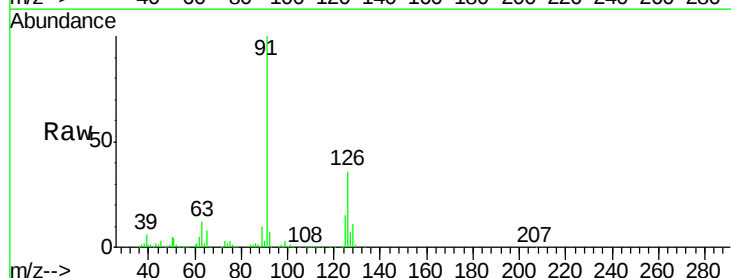
Acq: 11 Mar 2020 10:56

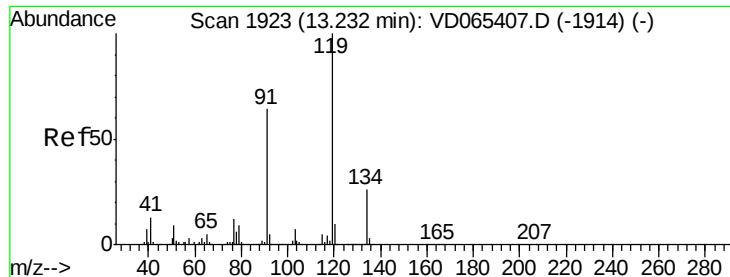
Tgt Ion: 91 Resp: 772102

Ion Ratio Lower Upper

91 100

126 35.6 17.6 52.8

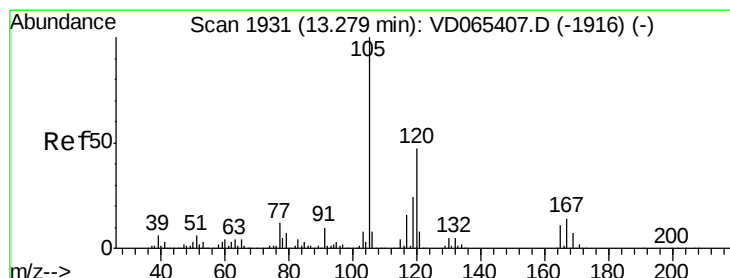
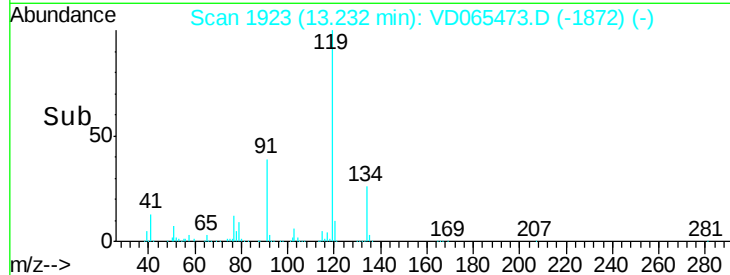
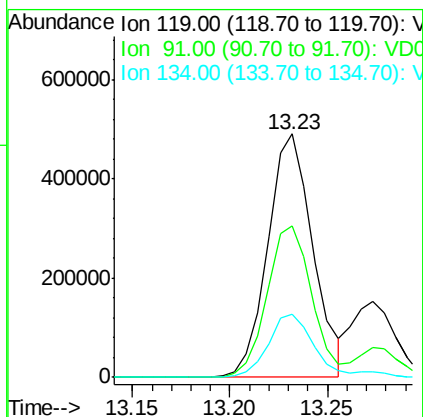
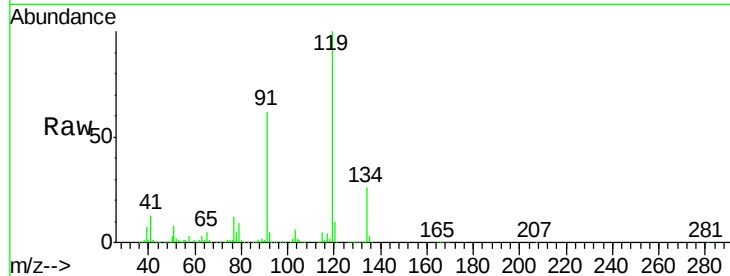




#83
 tert-Butylbenzene
 Concen: 55.53 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

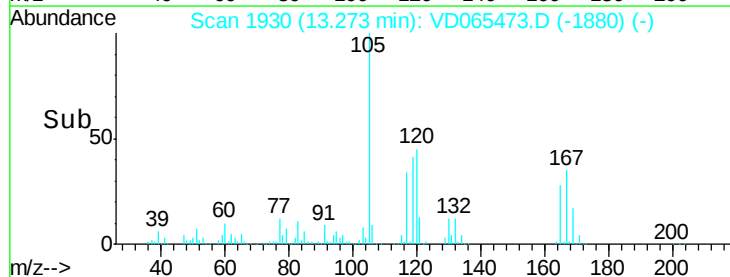
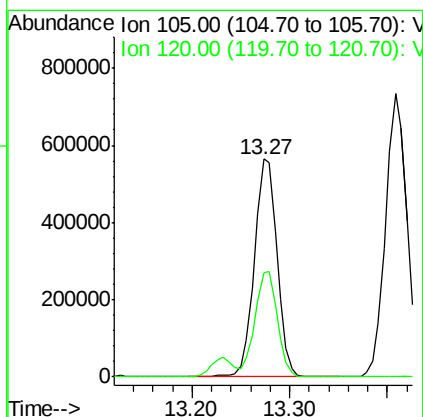
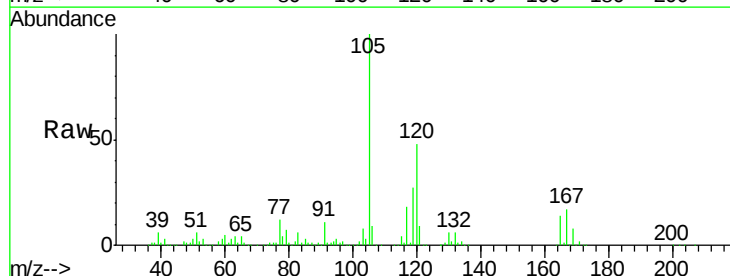
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

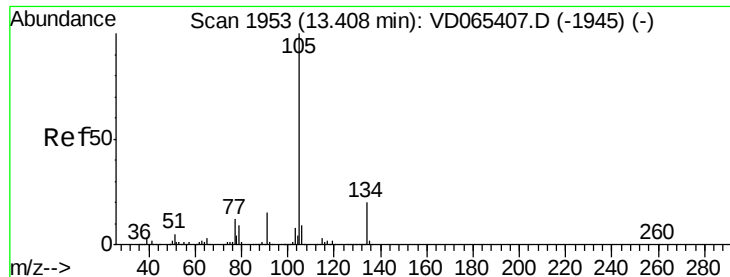
Tgt Ion:119 Resp: 786966
 Ion Ratio Lower Upper
 119 100
 91 61.6 31.6 95.0
 134 27.5 14.2 42.8



#84
 1,2,4-Trimethylbenzene
 Concen: 55.60 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Tgt Ion:105 Resp: 918103
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.4 70.3

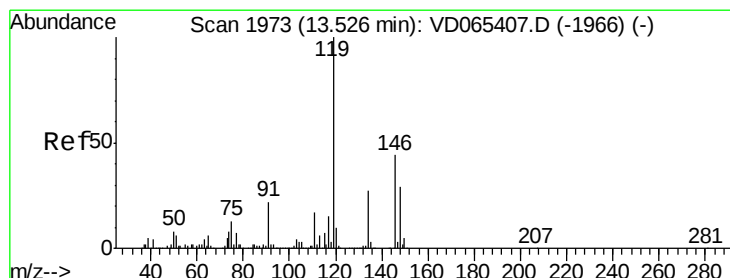
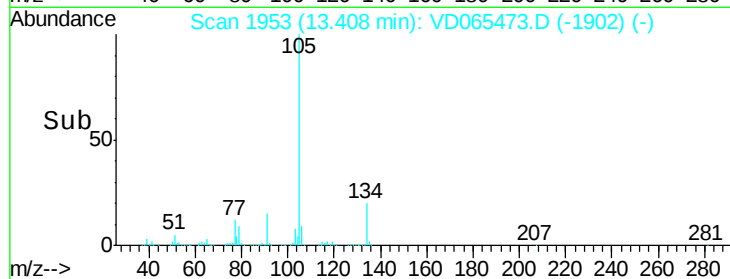
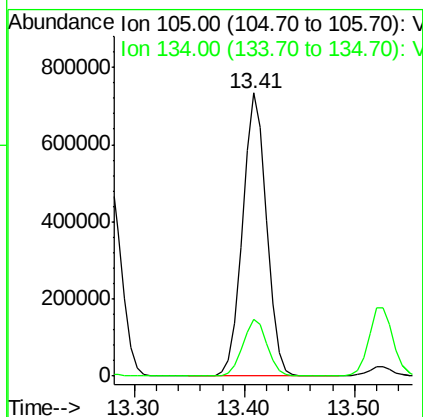
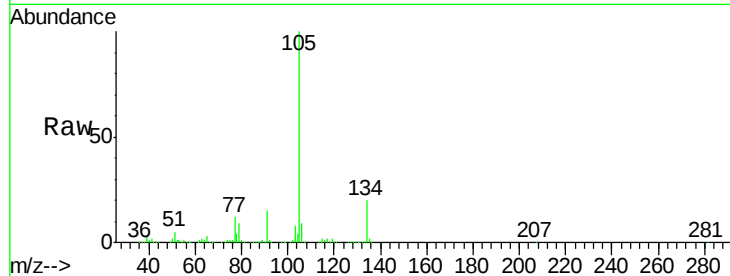




#85
 sec-Butylbenzene
 Concen: 55.11 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

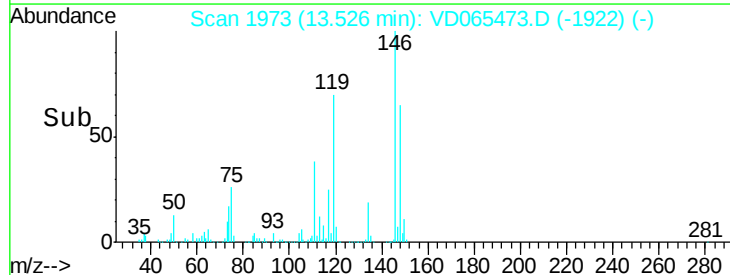
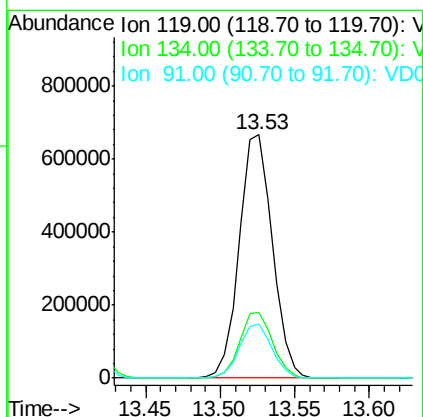
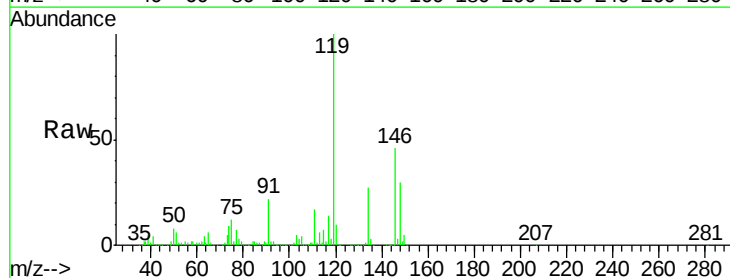
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 1114775
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 55.44 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Tgt Ion:119 Resp: 1023481
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.3 39.9
 91 21.9 10.9 32.6

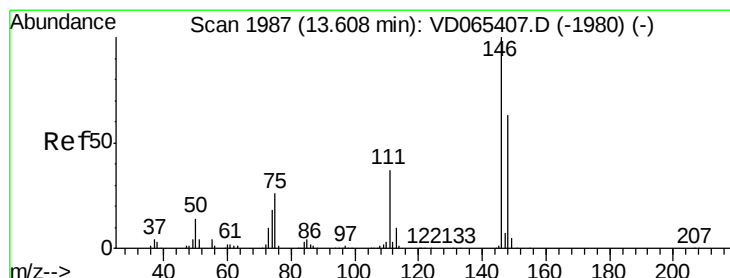
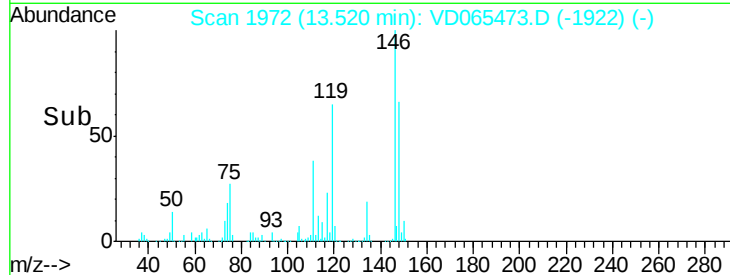
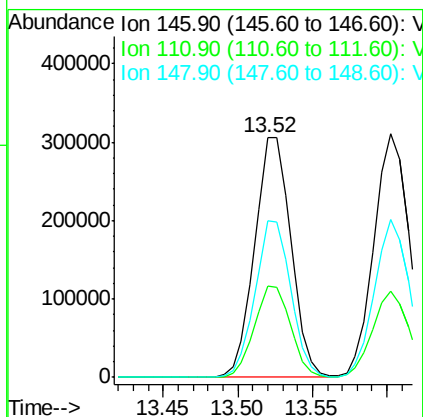
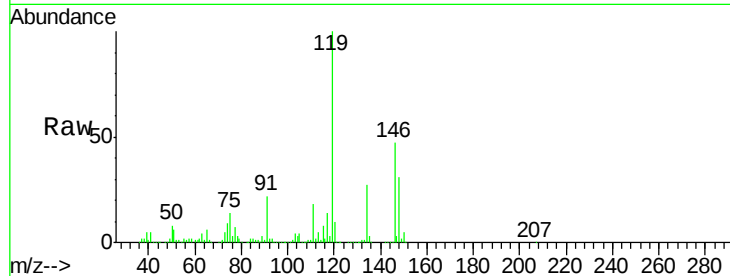




#87
 1,3-Dichlorobenzene
 Concen: 52.97 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

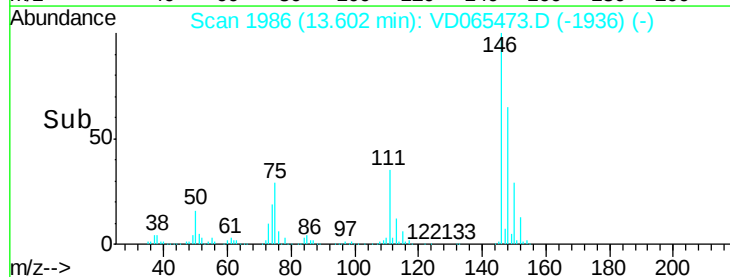
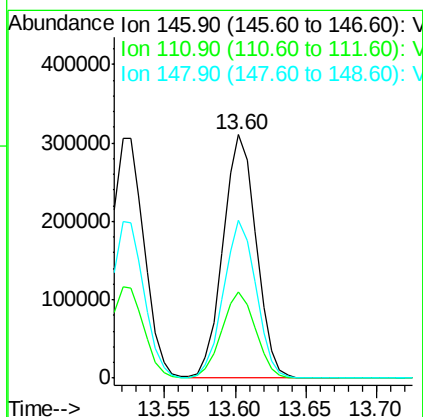
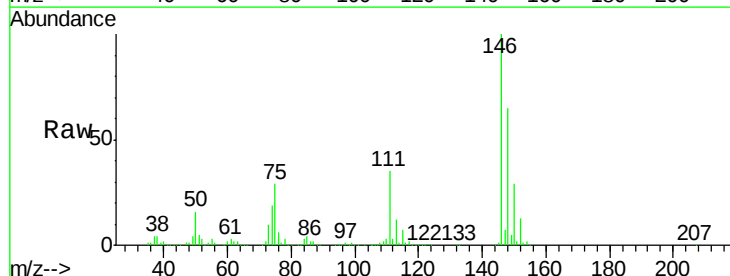
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

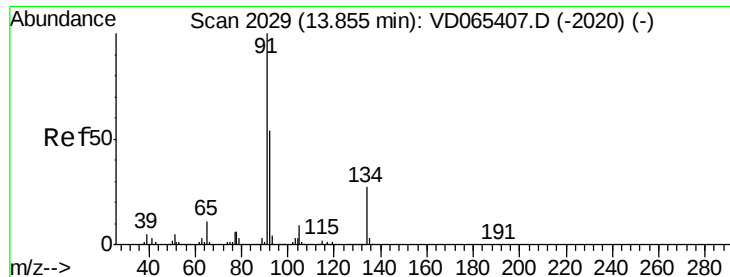
Tgt Ion:146 Resp: 515521
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.1 57.1
 148 64.1 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 52.52 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Tgt Ion:146 Resp: 508460
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.5 55.5
 148 63.7 32.0 96.0

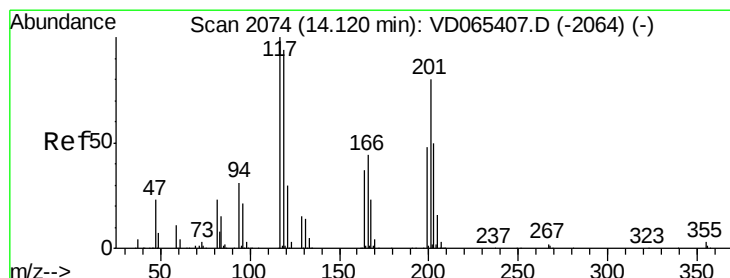
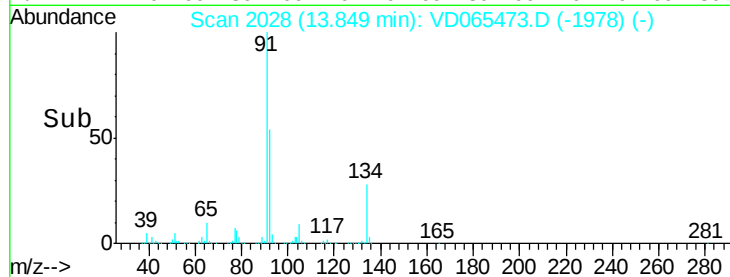
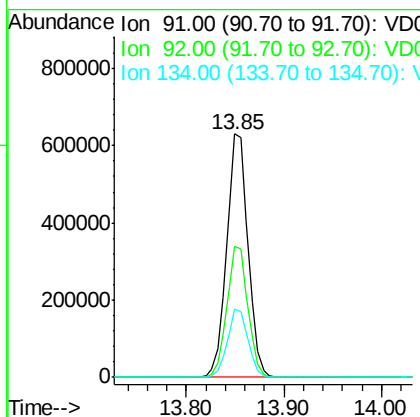
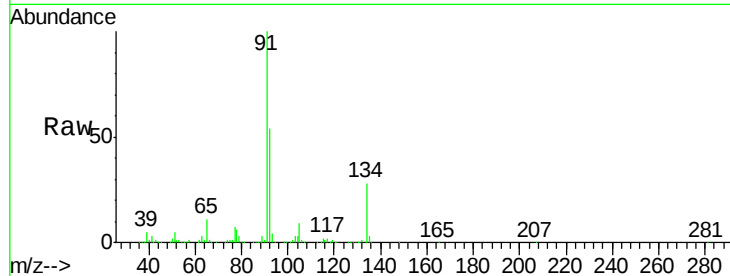




#89
n-Butylbenzene
Concen: 55.57 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

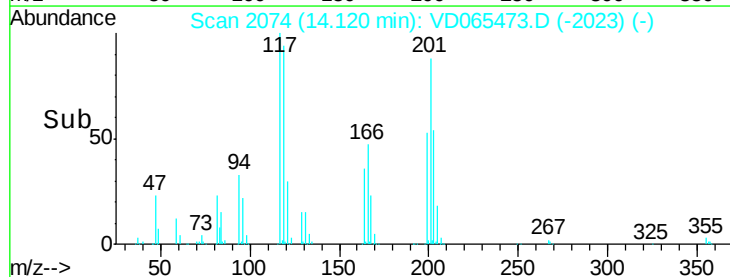
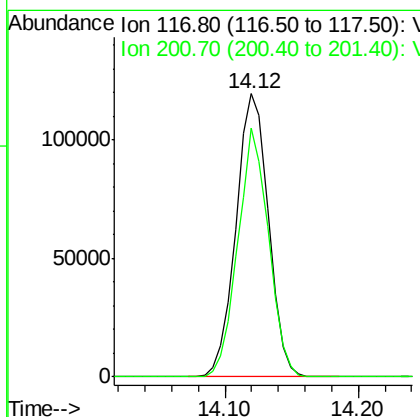
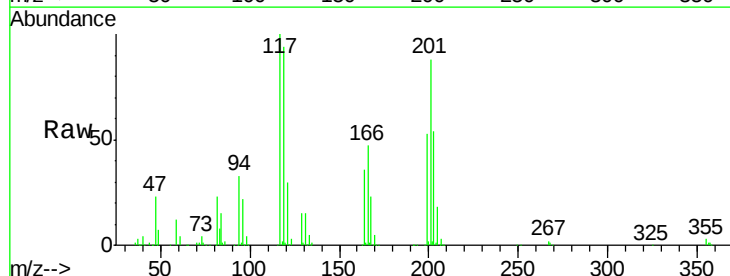
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 948275
Ion Ratio Lower Upper
91 100
92 53.1 26.8 80.4
134 27.3 13.4 40.2



#90
Hexachloroethane
Concen: 52.75 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion: 117 Resp: 200544
Ion Ratio Lower Upper
117 100
201 83.3 41.9 125.6

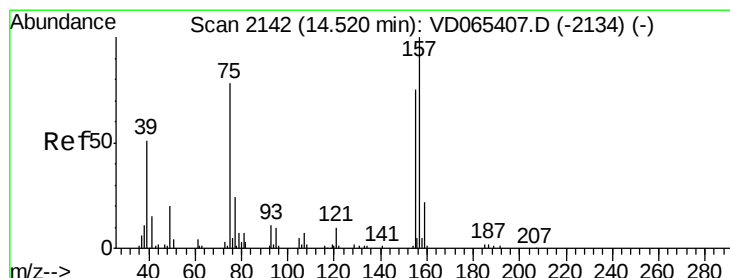
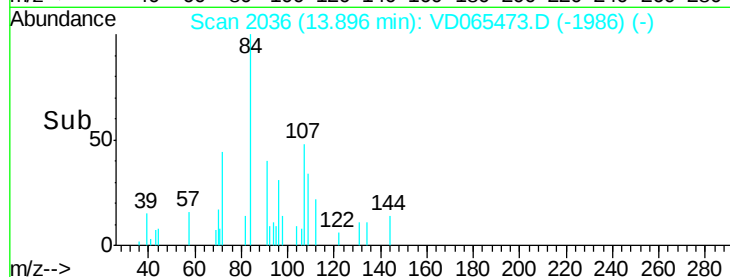
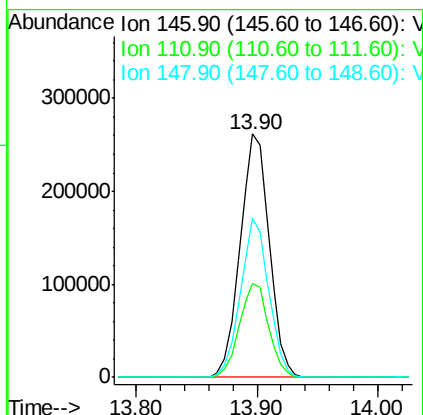
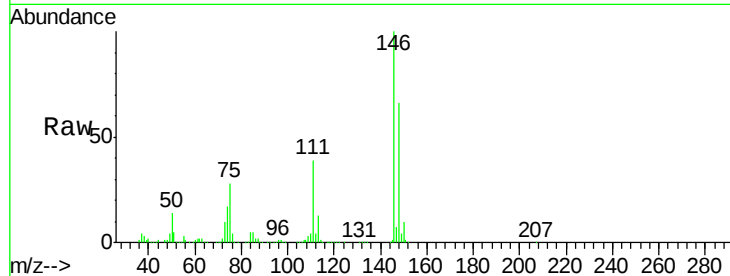




#91
 1,2-Dichlorobenzene
 Concen: 53.29 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

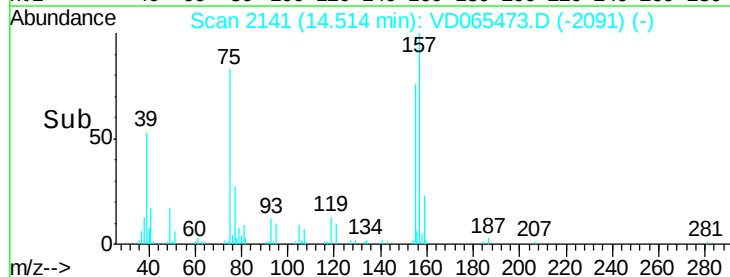
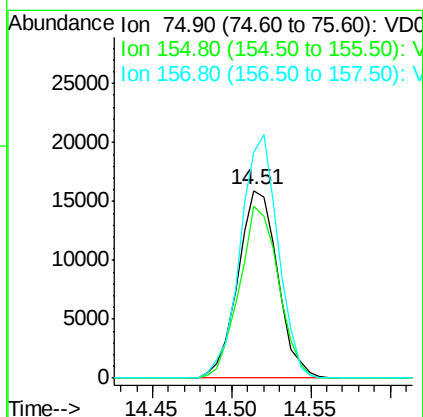
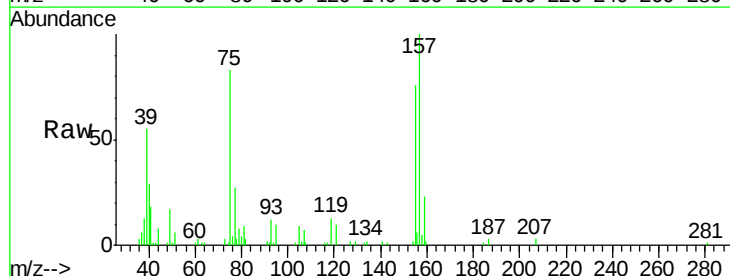
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

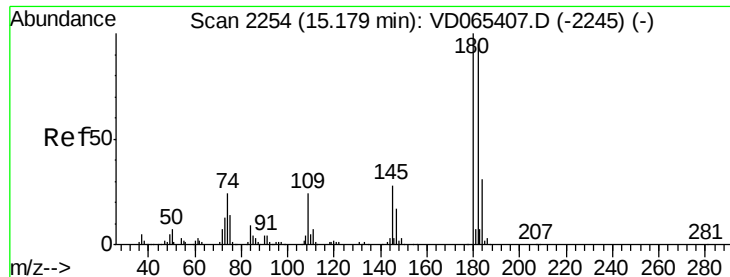
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.8	59.3
148	63.3	32.6	97.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.89 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.0	46.4	139.1
157	122.7	60.2	180.4

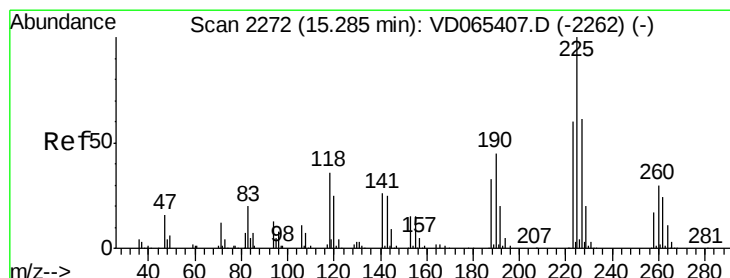
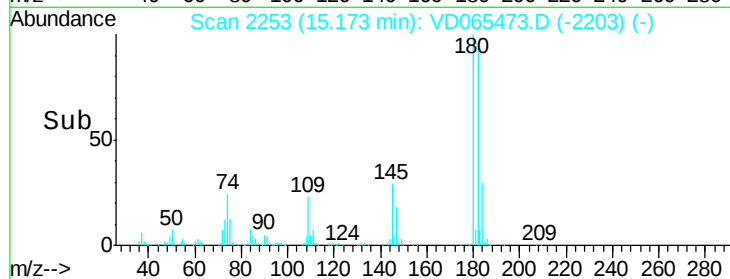
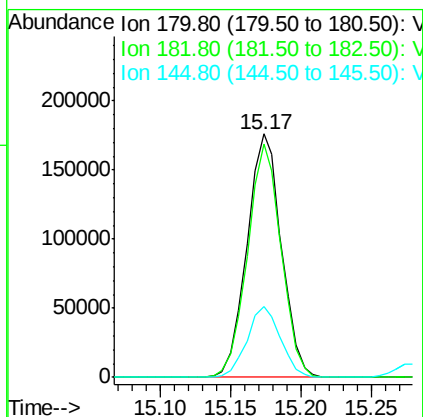
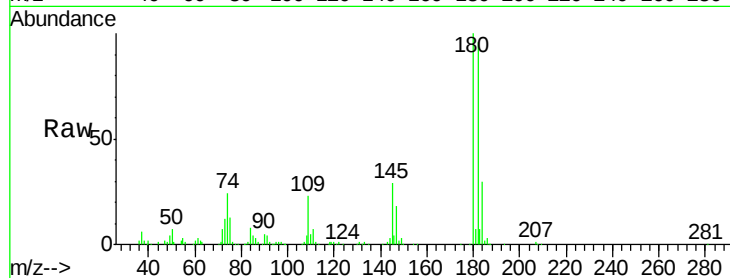




#93
 1,2,4-Trichlorobenzene
 Concen: 53.42 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

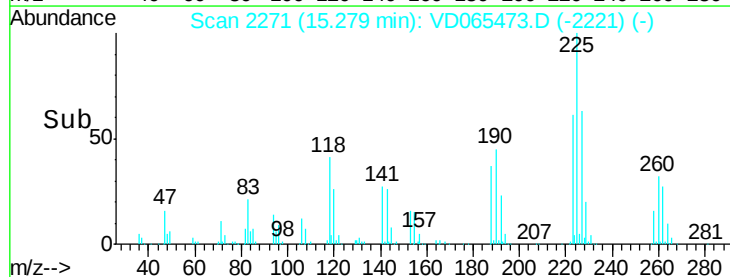
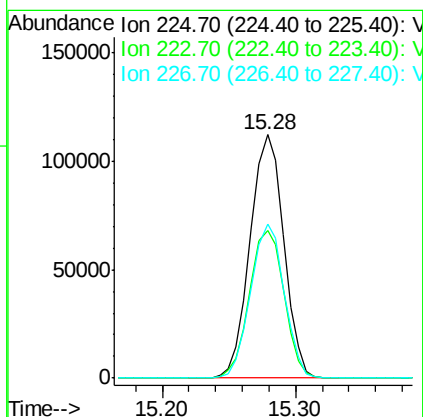
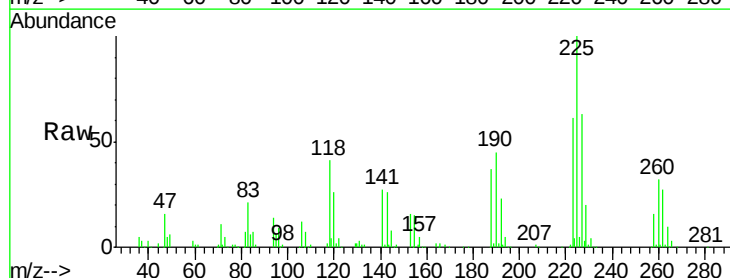
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

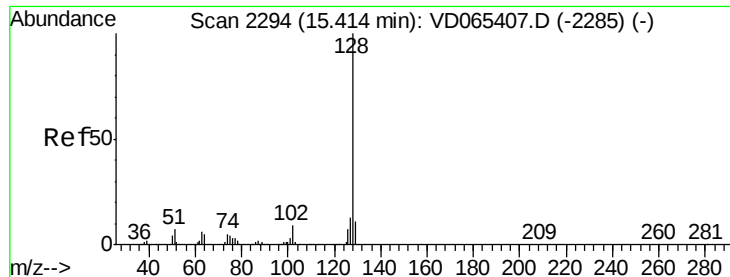
Tgt Ion:180 Resp: 299900
 Ion Ratio Lower Upper
 180 100
 182 93.8 48.3 144.9
 145 28.5 14.4 43.4



#94
 Hexachlorobutadiene
 Concen: 53.09 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Tgt Ion:225 Resp: 195816
 Ion Ratio Lower Upper
 225 100
 223 62.6 30.9 92.5
 227 62.9 31.6 94.7





#95

Naphthalene

Concen: 49.03 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

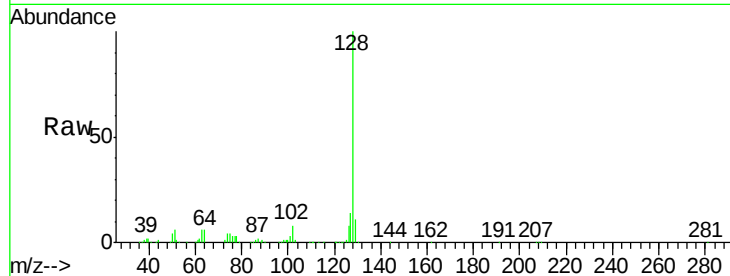
Tgt Ion:128 Resp: 489689

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

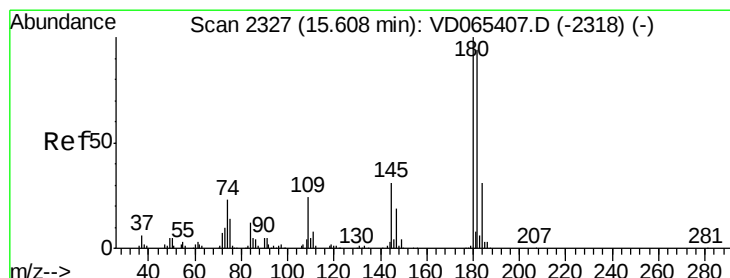
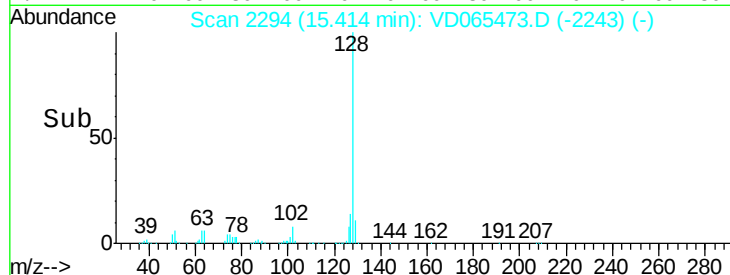
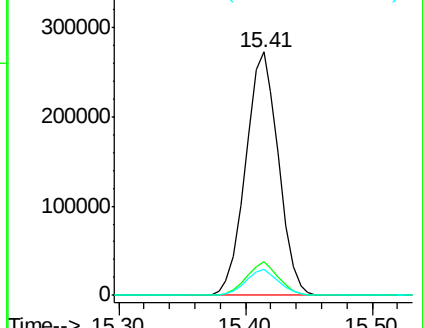
129 10.6 8.7 13.1



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: 54.69 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

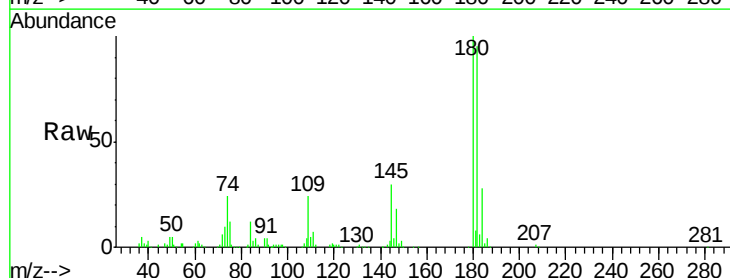
Tgt Ion:180 Resp: 265287

Ion Ratio Lower Upper

180 100

182 93.7 46.9 140.6

145 29.9 15.0 45.1



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

