

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031220\
 Data File : VD065496.D
 Acq On : 12 Mar 2020 21:09
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 13 04:27:40 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	431212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	641083	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	599697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	303910	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	193451	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
35) Dibromofluoromethane	7.92	113	204724	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	10.34	98	773553	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.64	95	255164	54.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	155189	41.88	ug/l	99
3) Chloromethane	2.21	50	203922	45.58	ug/l	99
4) Vinyl Chloride	2.35	62	202534	45.89	ug/l	100
5) Bromomethane	2.77	94	132444	53.94	ug/l	90
6) Chloroethane	2.93	64	130813	48.40	ug/l	99
7) Trichlorofluoromethane	3.27	101	305657	47.00	ug/l	99
8) Diethyl Ether	3.70	74	103330	53.43	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	198583	47.42	ug/l	99
10) Methyl Iodide	4.29	142	229137	52.66	ug/l	98
11) Tert butyl alcohol	5.25	59	61823	291.39	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	189676	47.30	ug/l	99
13) Acrolein	3.93	56	97308	265.93	ug/l	100
14) Allyl chloride	4.71	41	305780	49.64	ug/l	100
15) Acrylonitrile	5.43	53	229795	273.15	ug/l	99
16) Acetone	4.17	43	160881	215.06	ug/l	96
17) Carbon Disulfide	4.40	76	610951	45.75	ug/l	99
18) Methyl Acetate	4.72	43	101297	53.38	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	437776	56.76	ug/l	96
20) Methylene Chloride	4.96	84	232233	57.70	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	226940	50.87	ug/l	98
22) Diisopropyl ether	6.37	45	652106	56.94	ug/l	97
23) Vinyl Acetate	6.31	43	1840375	289.42	ug/l	99
24) 1,1-Dichloroethane	6.27	63	388882	52.94	ug/l	99
25) 2-Butanone	7.22	43	266817	261.36	ug/l	95
26) 2,2-Dichloropropane	7.21	77	308985	48.13	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	245654	53.87	ug/l	98
28) Bromochloromethane	7.55	49	164845	56.09	ug/l	98
29) Tetrahydrofuran	7.57	42	186063	285.40	ug/l	99
30) Chloroform	7.71	83	401252	54.65	ug/l	95
31) Cyclohexane	7.98	56	335405	45.66	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	344958	50.84	ug/l	100
36) 1,1-Dichloropropene	8.11	75	304708	49.58	ug/l	99
37) Ethyl Acetate	7.30	43	129281	54.43	ug/l	98
38) Carbon Tetrachloride	8.10	117	314985	49.43	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031220\
 Data File : VD065496.D
 Acq On : 12 Mar 2020 21:09
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Quant Time: Mar 13 04:27:40 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)
39) Methylcyclohexane	9.36	83	355804	47.94	ug/l	95
40) Benzene	8.36	78	908201	52.86	ug/l	100
41) Methacrylonitrile	7.53	41	61580	49.02	ug/l	98
42) 1,2-Dichloroethane	8.43	62	245770	54.78	ug/l	100
43) Isopropyl Acetate	8.46	43	235320	53.66	ug/l	99
44) Trichloroethene	9.11	130	248984	51.31	ug/l	98
45) 1,2-Dichloropropane	9.39	63	228137	54.81	ug/l	96
46) Dibromomethane	9.48	93	119727	55.46	ug/l	99
47) Bromodichloromethane	9.67	83	306893	54.64	ug/l	98
48) Methyl methacrylate	9.46	41	114834	55.66	ug/l	98
49) 1,4-Dioxane	9.47	88	28113	1138.46	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	634029	287.29	ug/l	99
52) Toluene	10.41	92	585041	54.05	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	286632	54.61	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	351073	55.26	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	171458	56.08	ug/l	99
56) Ethyl methacrylate	10.67	69	201155	58.36	ug/l	100
57) 1,3-Dichloropropane	10.95	76	288271	55.72	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	269610	250.25	ug/l	99
59) 2-Hexanone	10.99	43	425120	278.27	ug/l	99
60) Dibromochloromethane	11.14	129	221561	56.53	ug/l	100
61) 1,2-Dibromoethane	11.25	107	162370	55.67	ug/l	98
64) Tetrachloroethene	10.88	164	213480	49.68	ug/l	95
65) Chlorobenzene	11.67	112	622933	52.49	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	235328	54.45	ug/l	97
67) Ethyl Benzene	11.75	91	1097658	53.53	ug/l	99
68) m/p-Xylenes	11.86	106	850400	107.56	ug/l	100
69) o-Xylene	12.18	106	382990	55.07	ug/l	99
70) Styrene	12.20	104	687474	56.16	ug/l	99
71) Bromoform	12.37	173	129633	53.40	ug/l #	100
73) Isopropylbenzene	12.48	105	1035279	51.79	ug/l	100
74) N-amyl acetate	12.30	43	220555	53.89	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	182984	52.08	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	228017	95.08	ug/l #	100
77) Bromobenzene	12.77	156	258973	52.14	ug/l	99
78) n-propylbenzene	12.83	91	1222360	51.54	ug/l	100
79) 2-Chlorotoluene	12.91	91	685007	51.25	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	865778	52.68	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	55551	48.88	ug/l	97
82) 4-Chlorotoluene	13.01	91	724887	51.61	ug/l	99
83) tert-Butylbenzene	13.23	119	721956	51.93	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	868582	53.62	ug/l	99
85) sec-Butylbenzene	13.41	105	1002491	50.51	ug/l	99
86) p-Isopropyltoluene	13.53	119	938691	51.84	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	495533	51.90	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	484133	50.97	ug/l	100
89) n-Butylbenzene	13.86	91	858487	51.28	ug/l	99
90) Hexachloroethane	14.12	117	182804	49.02	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	425123	52.32	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27507	51.40	ug/l	98

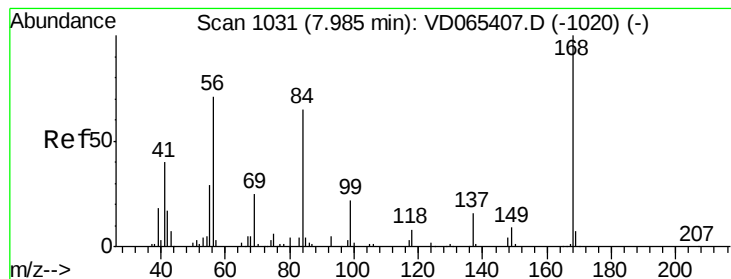
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD031220\
Data File : VD065496.D
Acq On : 12 Mar 2020 21:09
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 13 04:27:40 2020
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.17	180	292478	53.11	ug/l	100
94) Hexachlorobutadiene	15.28	225	176071	48.66	ug/l	97
95) Naphthalene	15.41	128	488333	49.77	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	259554	54.54	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

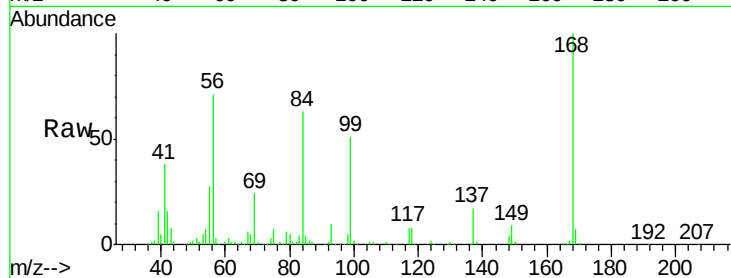
VSTDCCC050EC

Tgt Ion:168 Resp: 431212

Ion Ratio Lower Upper

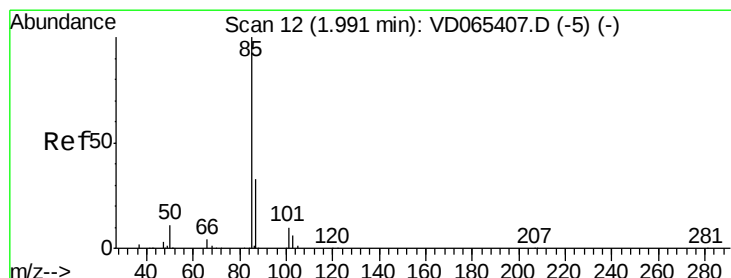
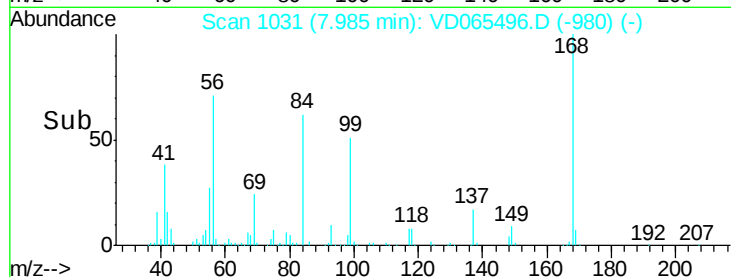
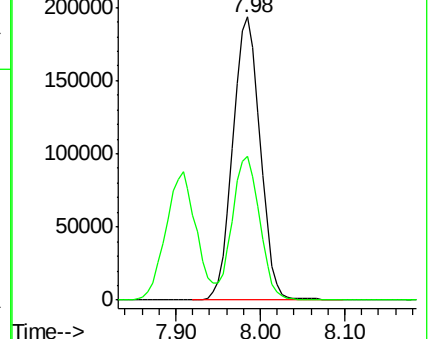
168 100

99 50.9 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 41.88 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065496.D

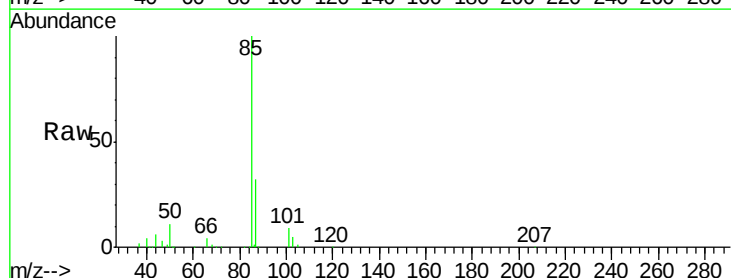
Acq: 12 Mar 2020 21:09

Tgt Ion: 85 Resp: 155189

Ion Ratio Lower Upper

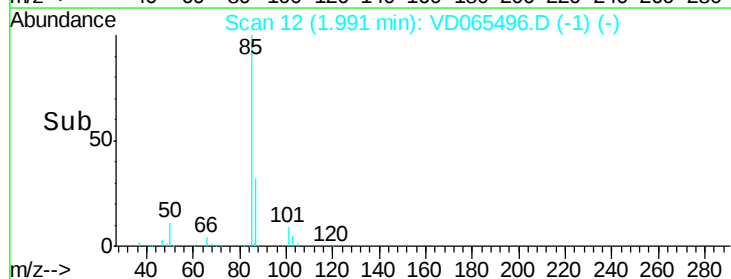
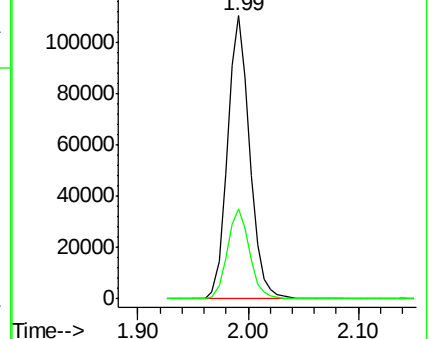
85 100

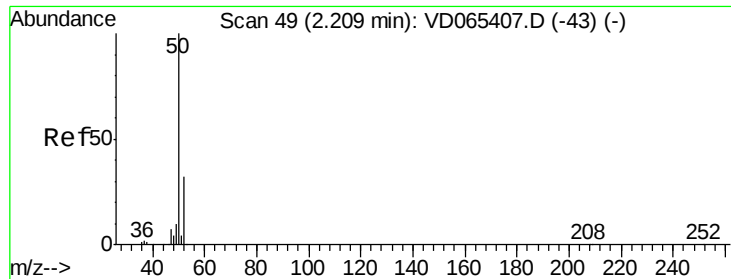
87 32.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.58 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

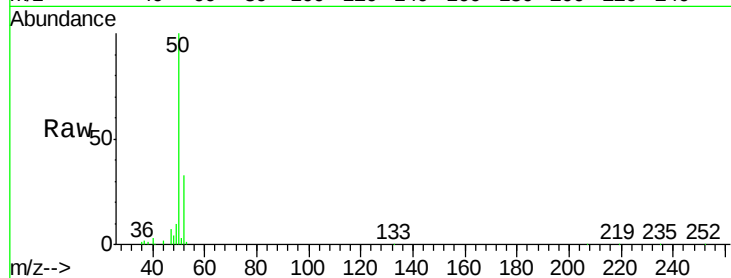
VSTDCCC050EC

Tgt Ion: 50 Resp: 203922

Ion Ratio Lower Upper

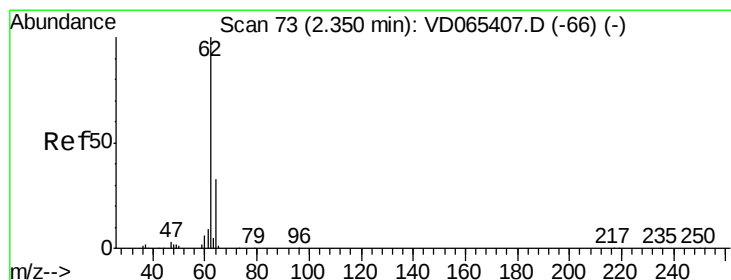
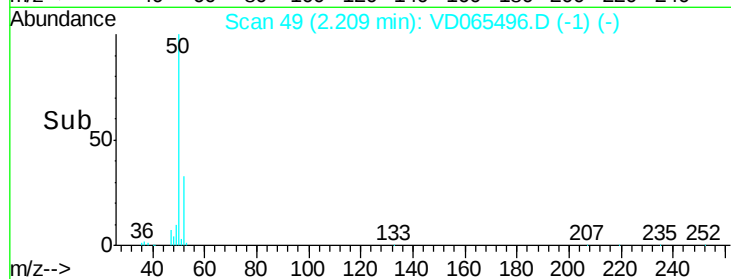
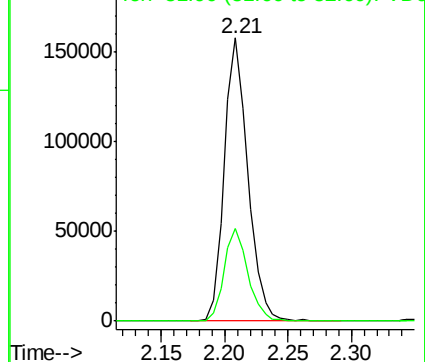
50 100

52 32.9 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.89 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065496.D

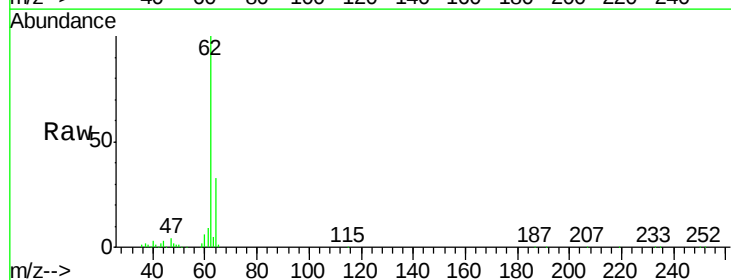
Acq: 12 Mar 2020 21:09

Tgt Ion: 62 Resp: 202534

Ion Ratio Lower Upper

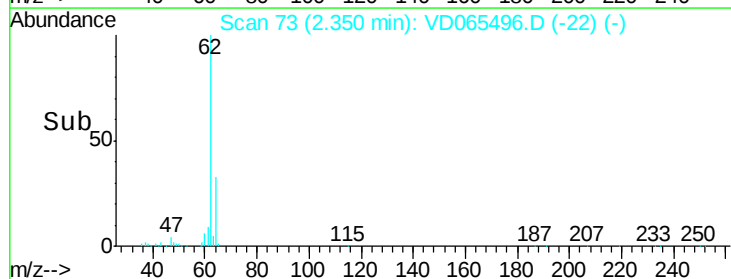
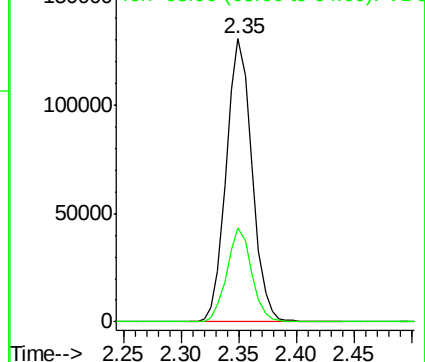
62 100

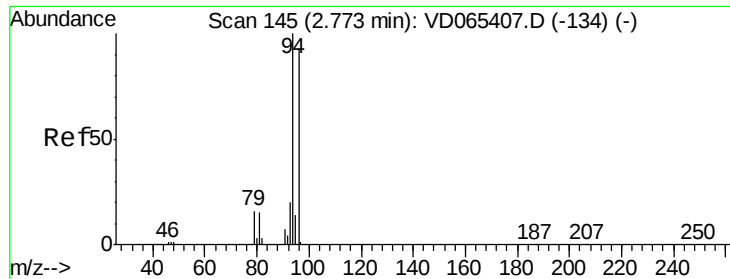
64 33.1 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 53.94 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

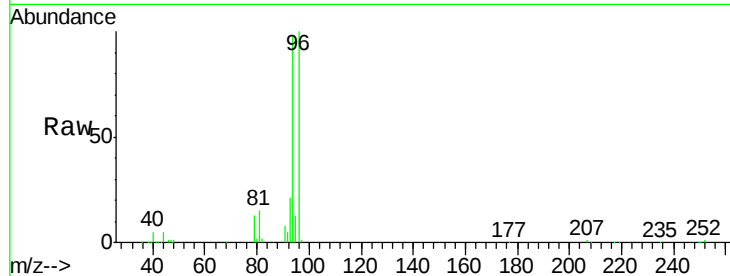
VSTDCCC050EC

Tgt Ion: 94 Resp: 132444

Ion Ratio Lower Upper

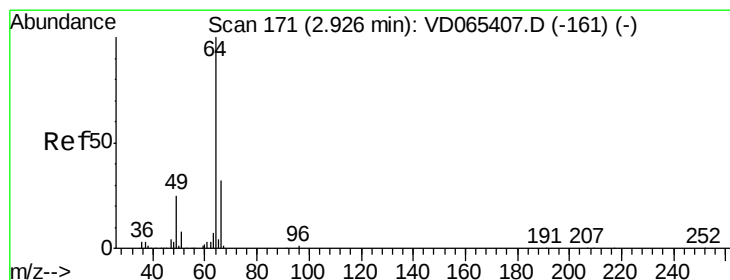
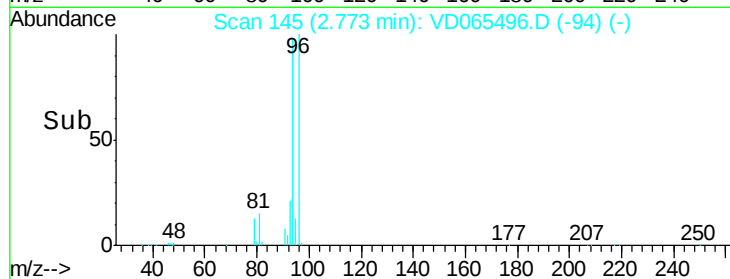
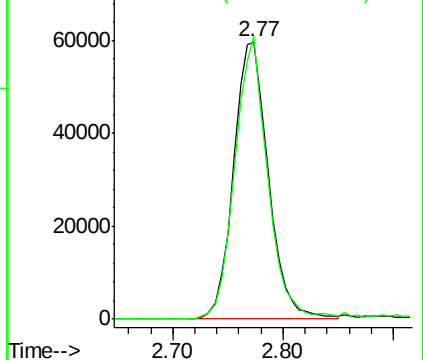
94 100

96 102.1 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.40 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065496.D

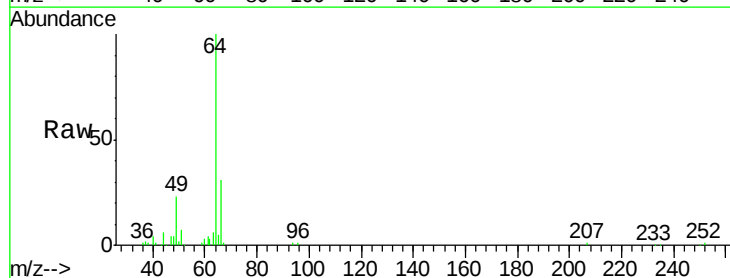
Acq: 12 Mar 2020 21:09

Tgt Ion: 64 Resp: 130813

Ion Ratio Lower Upper

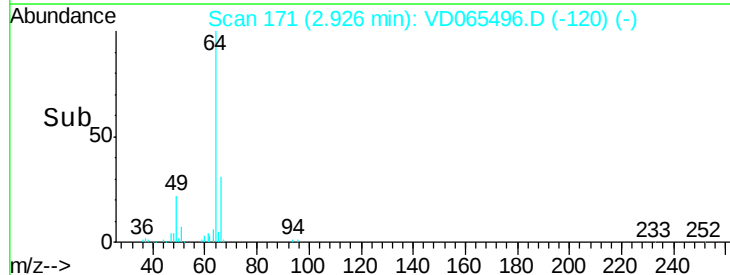
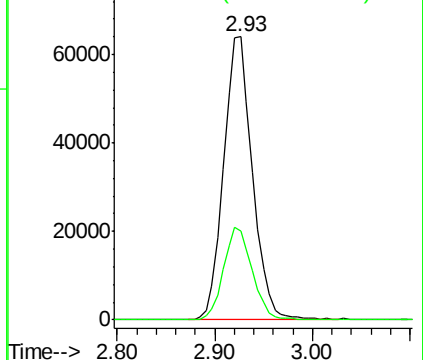
64 100

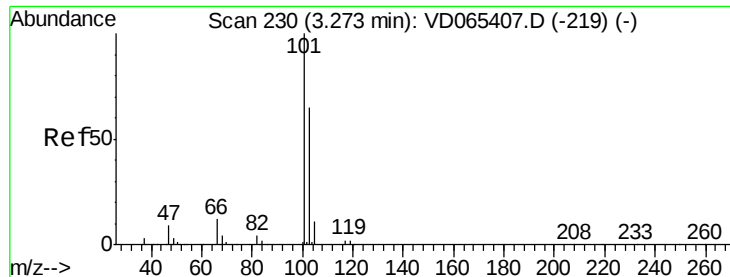
66 31.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 47.00 ug/l

RT: 3.27 min Scan# 230

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

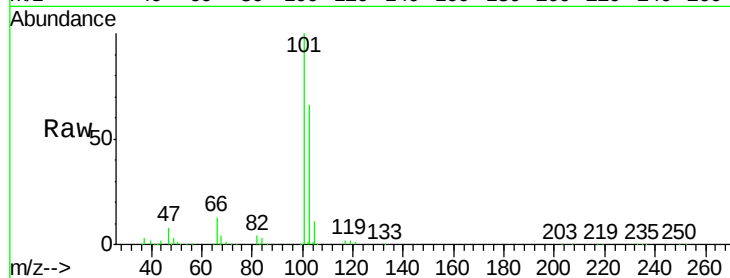
VSTDCCC050EC

Tgt Ion:101 Resp: 305657

Ion Ratio Lower Upper

101 100

103 65.5 52.1 78.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.27

150000

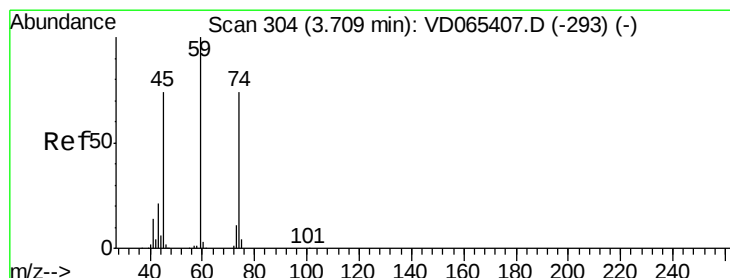
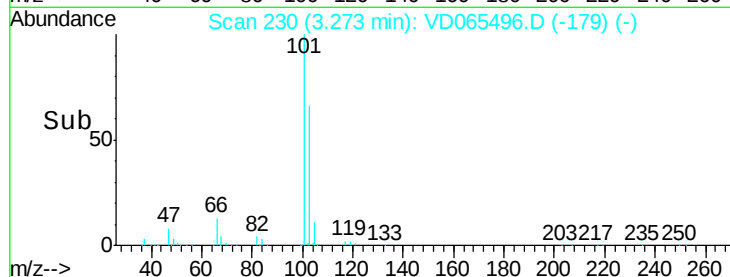
100000

50000

0

Time-->

3.20 3.30 3.40



#8

Diethyl Ether

Concen: 53.43 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD065496.D

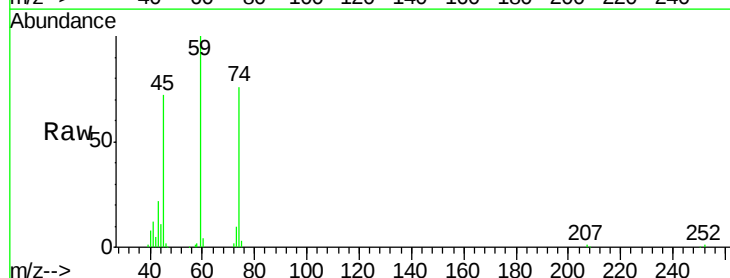
Acq: 12 Mar 2020 21:09

Tgt Ion: 74 Resp: 103330

Ion Ratio Lower Upper

74 100

45 96.9 49.5 148.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.70

50000

40000

30000

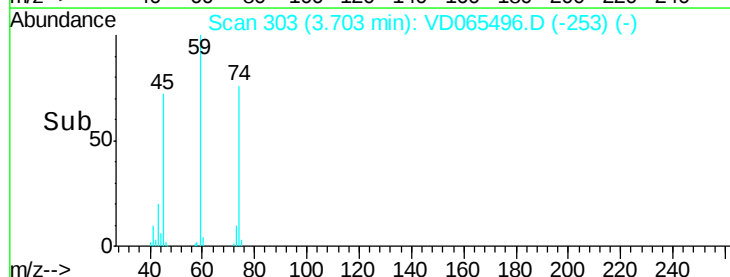
20000

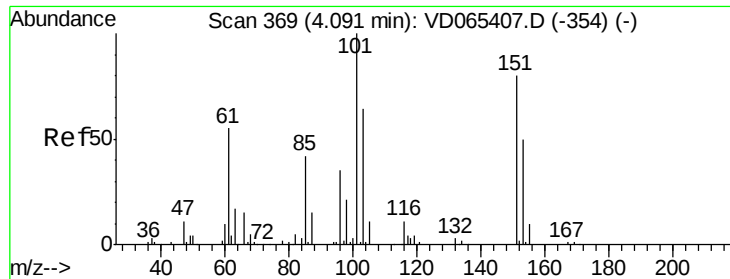
10000

0

Time-->

3.60 3.70 3.80





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.42 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

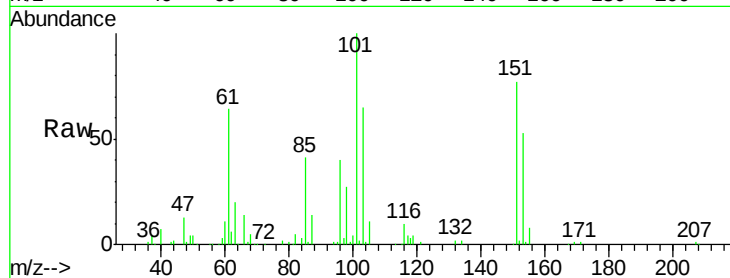
Tgt Ion:101 Resp: 198583

Ion Ratio Lower Upper

101 100

85 42.5 34.2 51.2

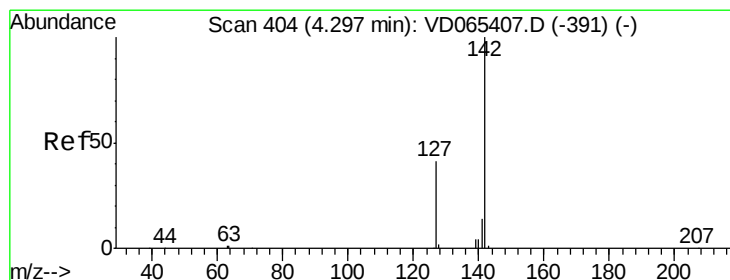
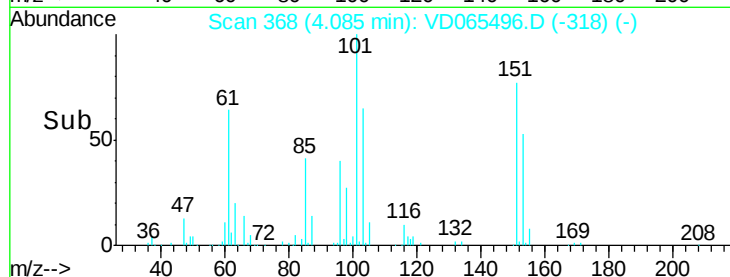
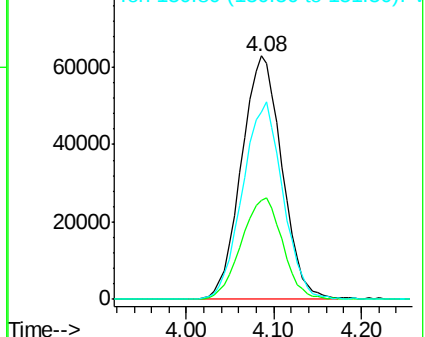
151 80.7 65.1 97.7



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: 52.66 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

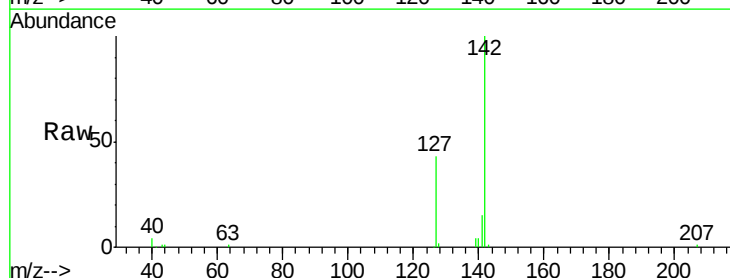
Tgt Ion:142 Resp: 229137

Ion Ratio Lower Upper

142 100

127 42.9 35.0 52.6

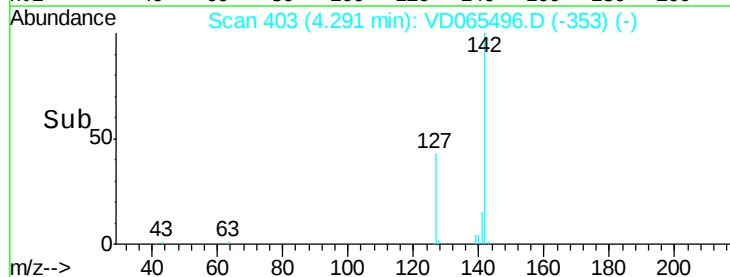
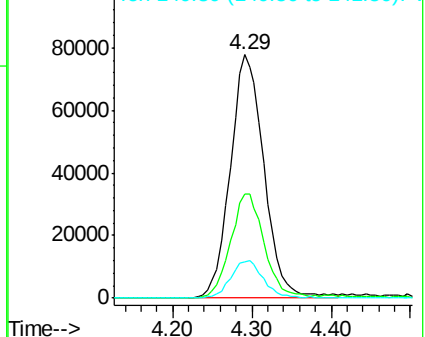
141 14.7 12.4 18.6

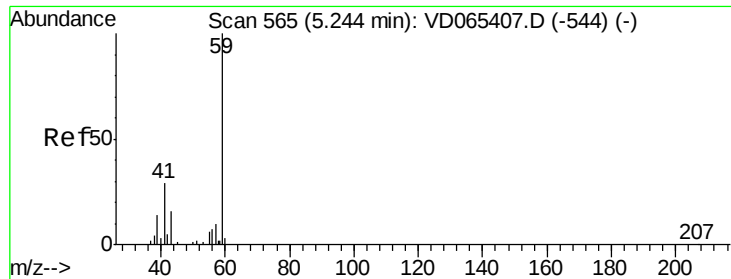


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

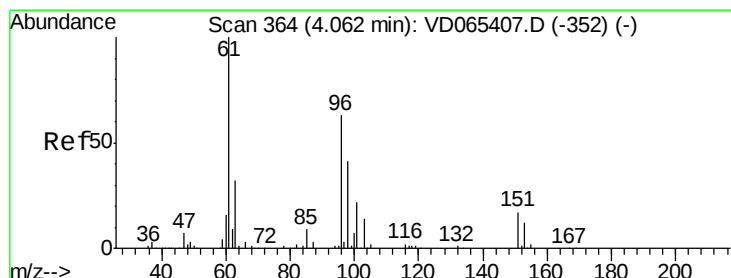
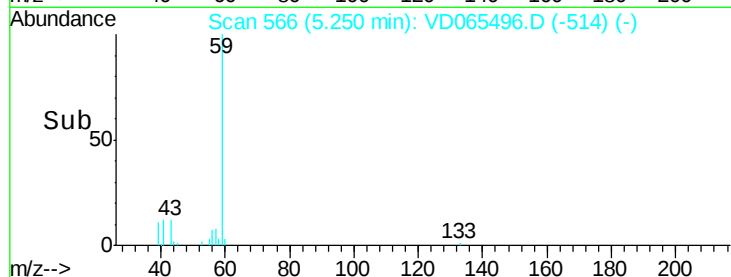
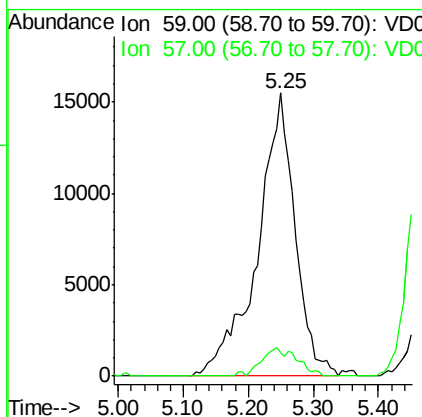
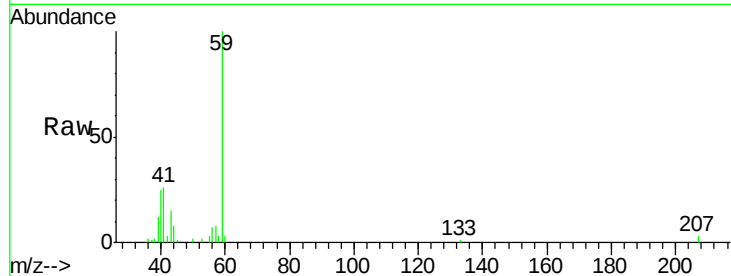




#11
Tert butyl alcohol
Concen: 291.39 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

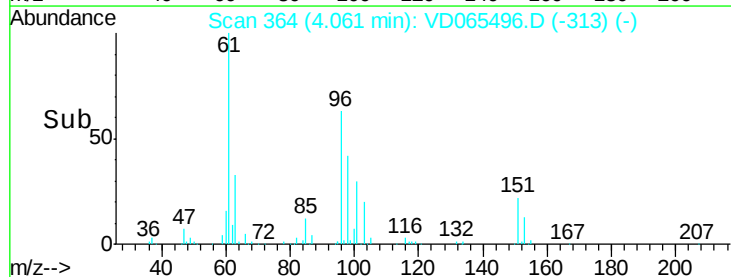
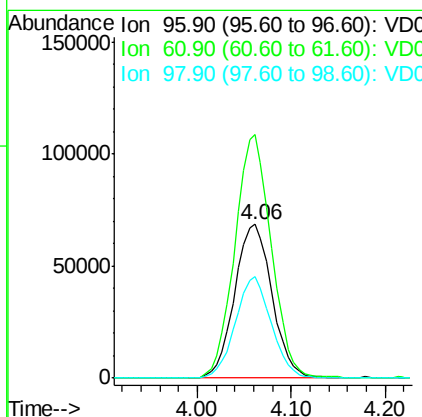
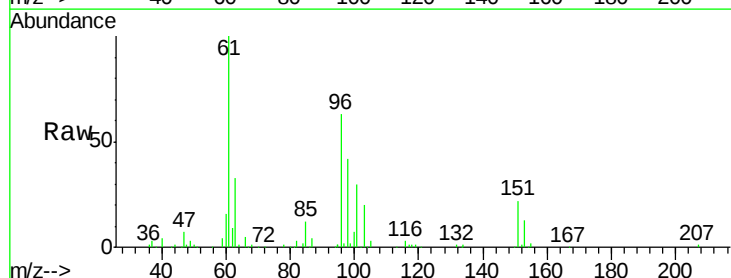
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

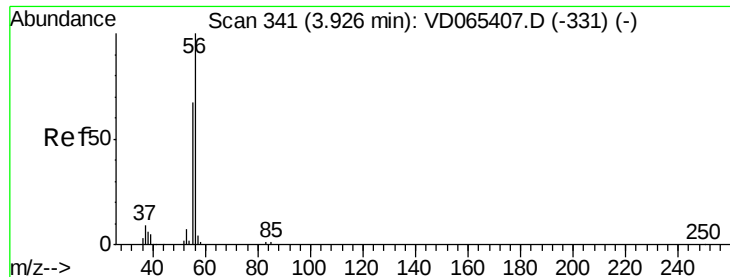
Tgt Ion: 59 Resp: 61823
Ion Ratio Lower Upper
59 100
57 5.6 6.9 10.3#



#12
1,1-Dichloroethene
Concen: 47.30 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Tgt Ion: 96 Resp: 189676
Ion Ratio Lower Upper
96 100
61 158.3 128.0 192.0
98 66.4 51.9 77.9





#13

Acrolein

Concen: 265.93 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

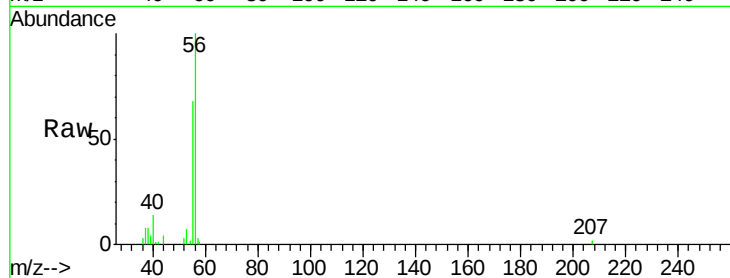
VSTDCCC050EC

Tgt Ion: 56 Resp: 97308

Ion Ratio Lower Upper

56 100

55 70.6 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

40000

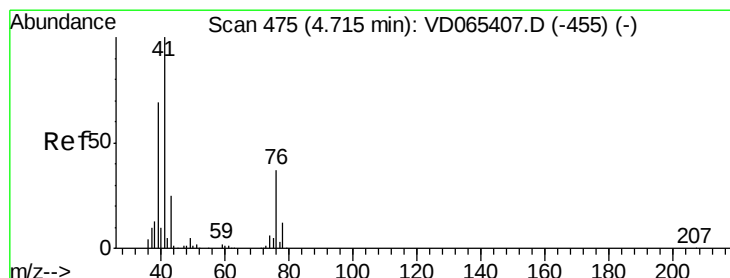
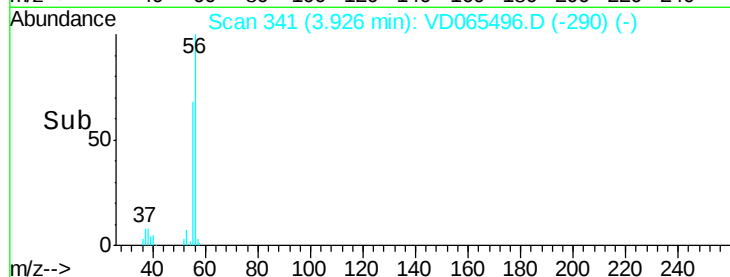
30000

20000

10000

0

Time--> 3.80 3.90 4.00 4.10



#14

Allyl chloride

Concen: 49.64 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

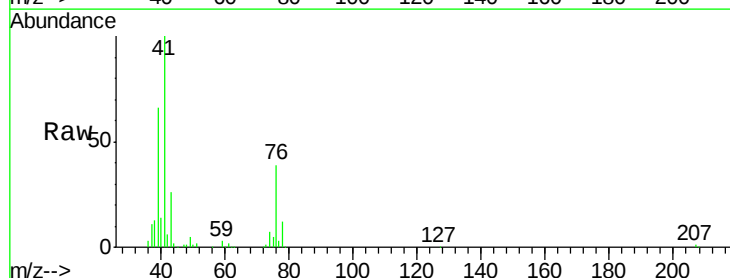
Tgt Ion: 41 Resp: 305780

Ion Ratio Lower Upper

41 100

39 65.4 52.6 79.0

76 36.6 29.2 43.8



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

120000

100000

80000

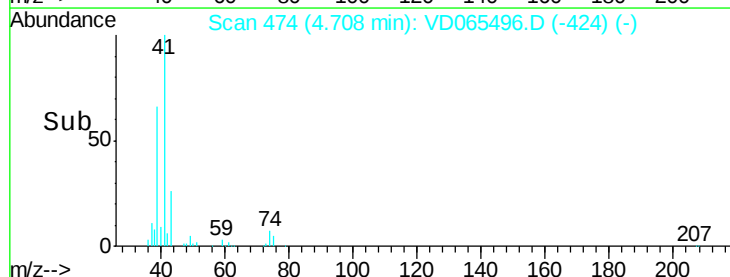
60000

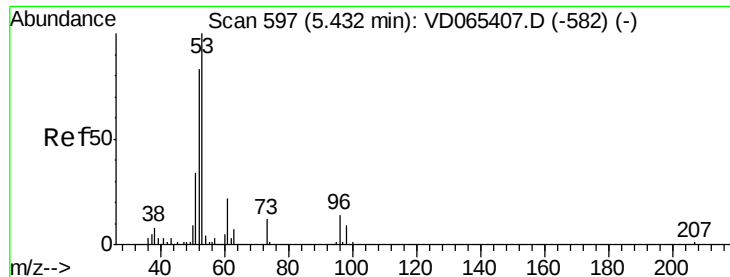
40000

20000

0

Time--> 4.50 4.60 4.70 4.80 4.90





#15

Acrylonitrile

Concen: 273.15 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

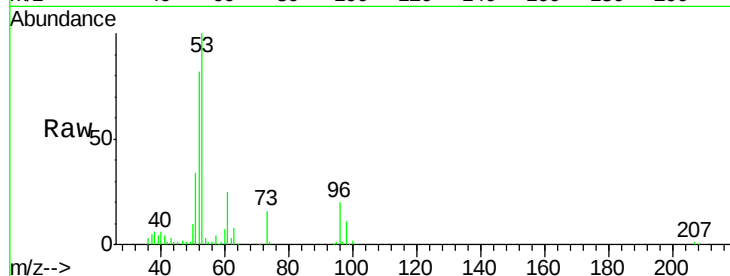
Tgt Ion: 53 Resp: 229795

Ion Ratio Lower Upper

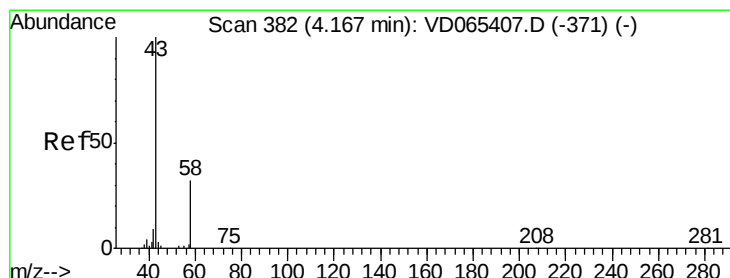
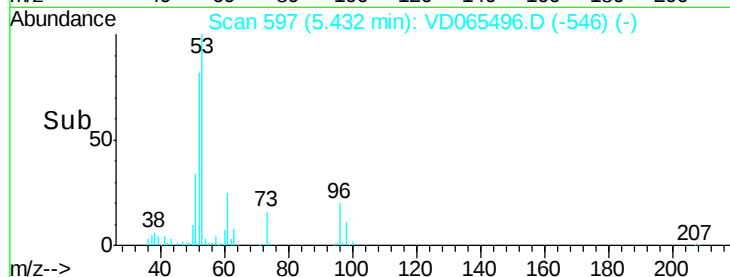
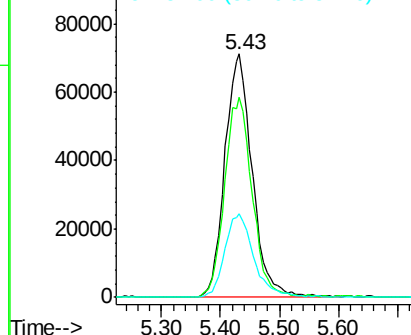
53 100

52 82.5 65.1 97.7

51 36.0 28.5 42.7



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



#16

Acetone

Concen: 215.06 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065496.D

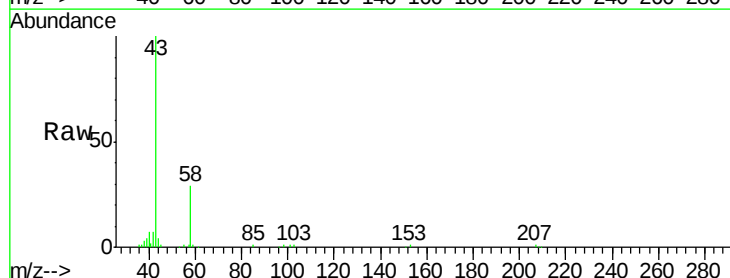
Acq: 12 Mar 2020 21:09

Tgt Ion: 43 Resp: 160881

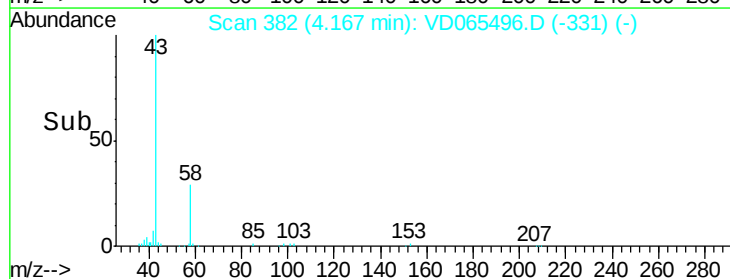
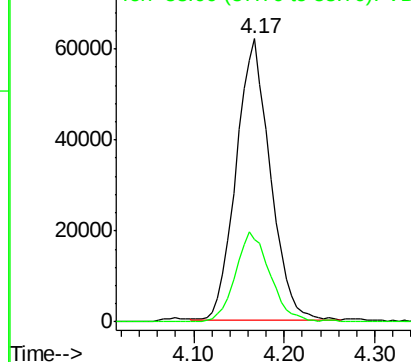
Ion Ratio Lower Upper

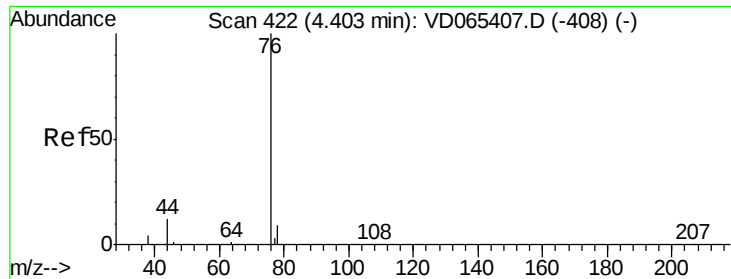
43 100

58 29.1 25.1 37.7



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

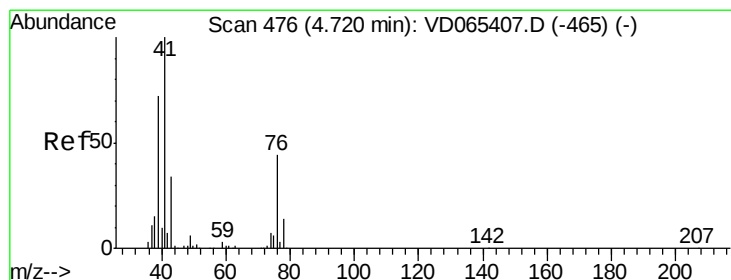
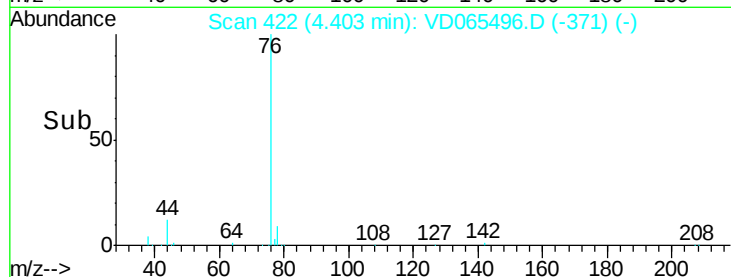
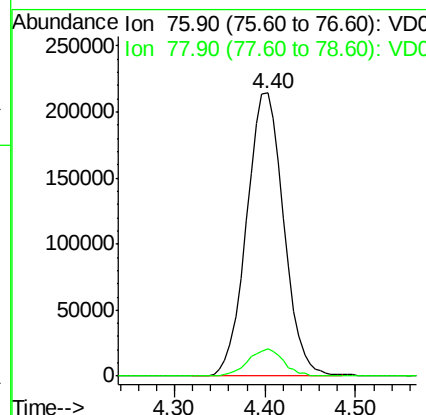
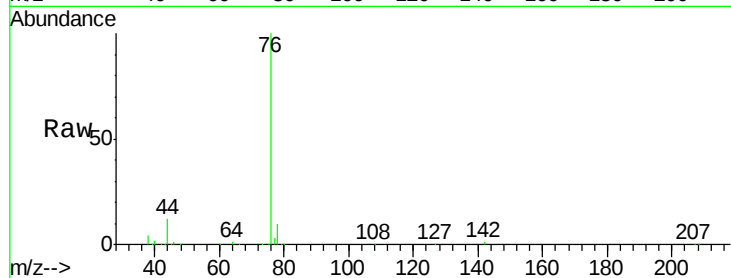




#17
Carbon Disulfide
Concen: 45.75 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

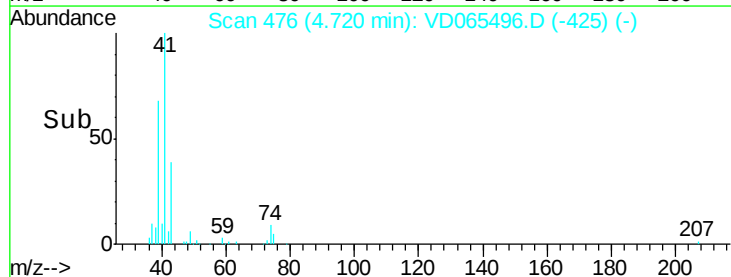
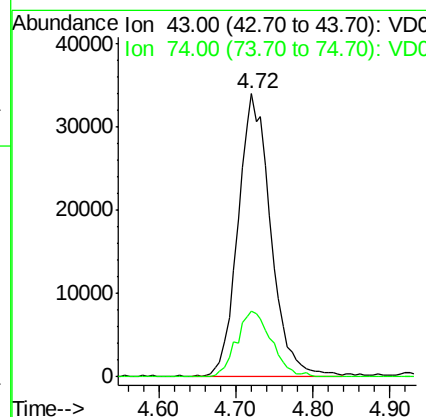
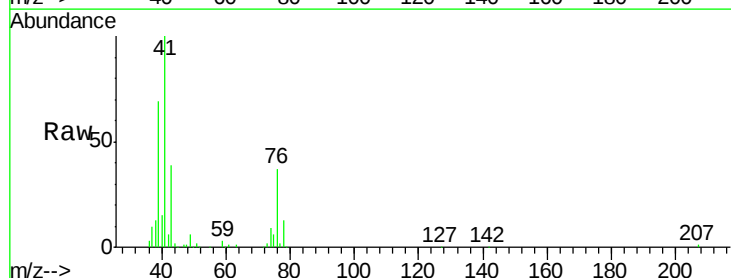
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

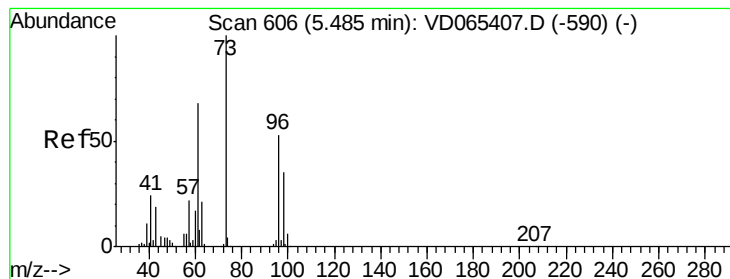
Tgt Ion: 76 Resp: 610951
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.0



#18
Methyl Acetate
Concen: 53.38 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Tgt Ion: 43 Resp: 101297
Ion Ratio Lower Upper
43 100
74 24.7 19.6 29.4





#19

Methyl tert-butyl Ether

Concen: 56.76 ug/l

RT: 5.48 min Scan# 605

Delta R.T. -0.01 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

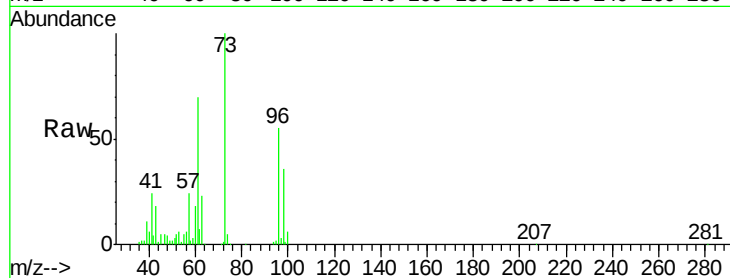
VSTDCCC050EC

Tgt Ion: 73 Resp: 437776

Ion Ratio Lower Upper

73 100

57 23.5 17.3 25.9



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

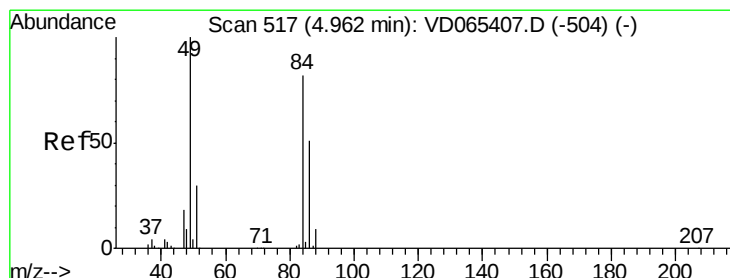
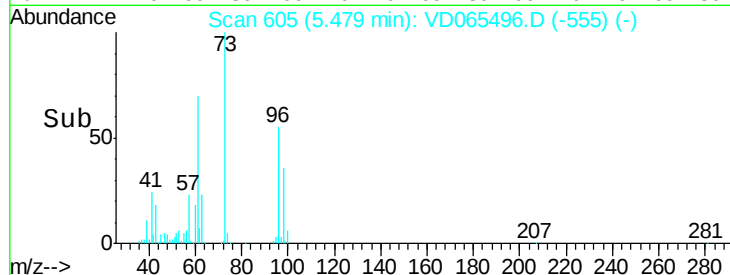
5.48

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 57.70 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Tgt Ion: 84 Resp: 232233

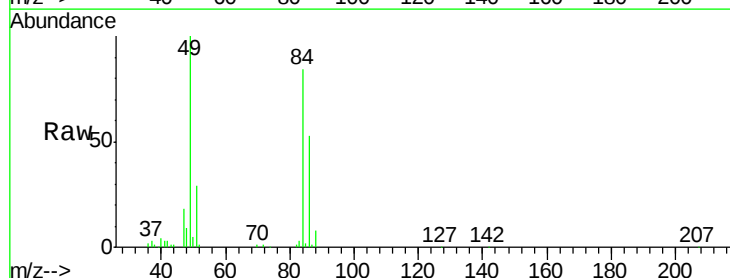
Ion Ratio Lower Upper

84 100

49 119.3 97.7 146.5

51 34.8 28.8 43.2

86 63.7 49.5 74.3



Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

120000

100000

80000

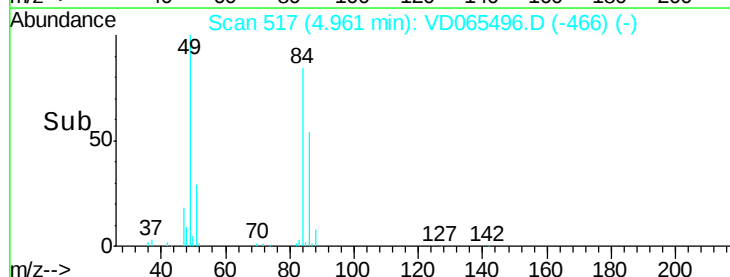
60000

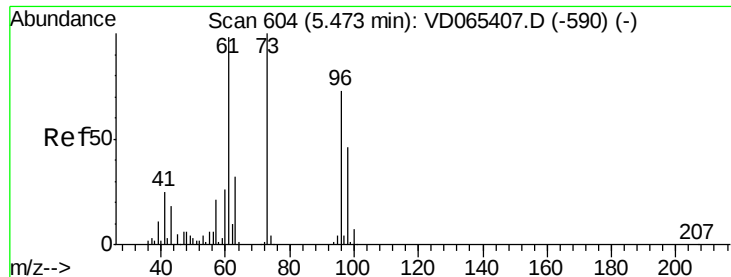
40000

20000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 50.87 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

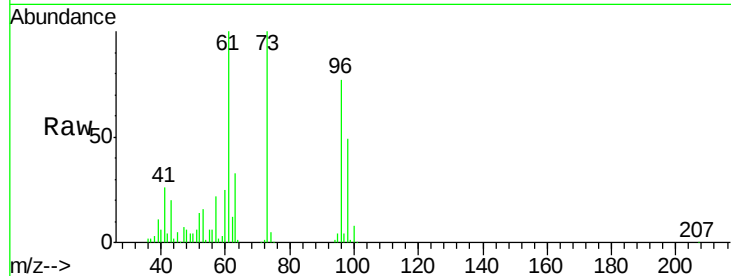
Tgt Ion: 96 Resp: 226940

Ion Ratio Lower Upper

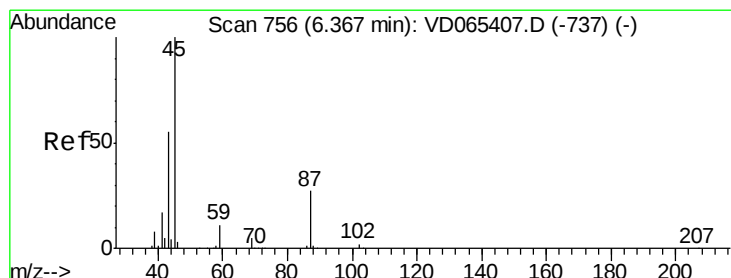
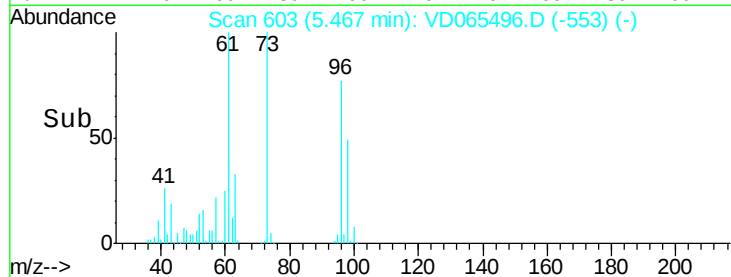
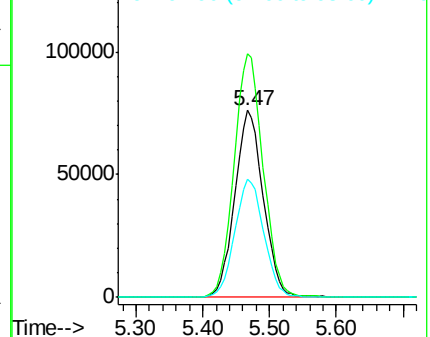
96 100

61 130.4 106.3 159.5

98 63.6 50.2 75.4



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



#22

Diisopropyl ether

Concen: 56.94 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Tgt Ion: 45 Resp: 652106

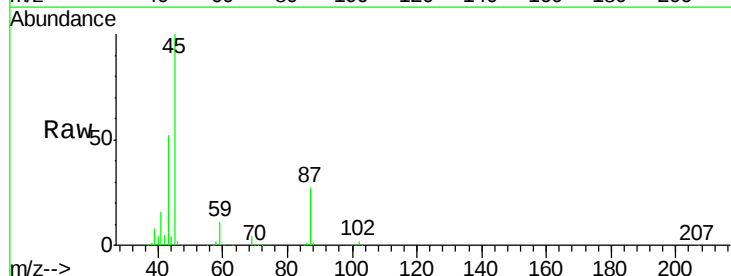
Ion Ratio Lower Upper

45 100

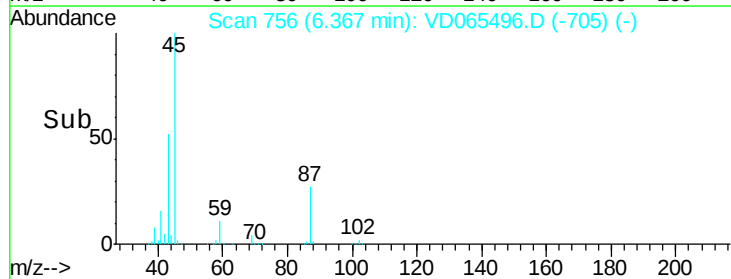
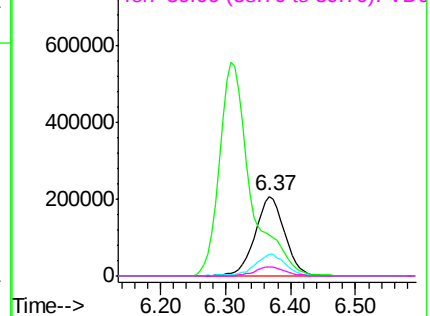
43 51.7 44.4 66.6

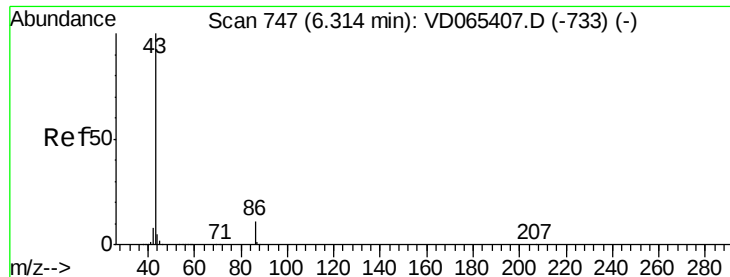
87 26.9 21.9 32.9

59 11.2 9.2 13.8



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





#23

Vinyl Acetate

Concen: 289.42 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

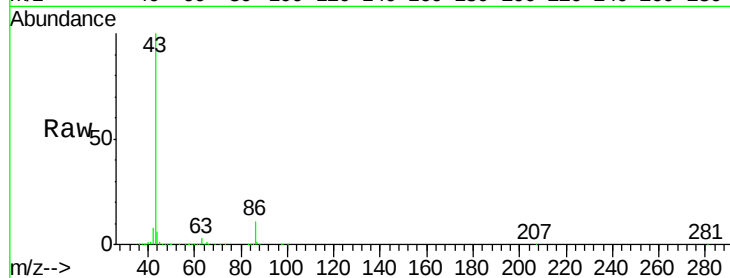
VSTDCCC050EC

Tgt Ion: 43 Resp: 1840375

Ion Ratio Lower Upper

43 100

86 11.4 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

600000

500000

400000

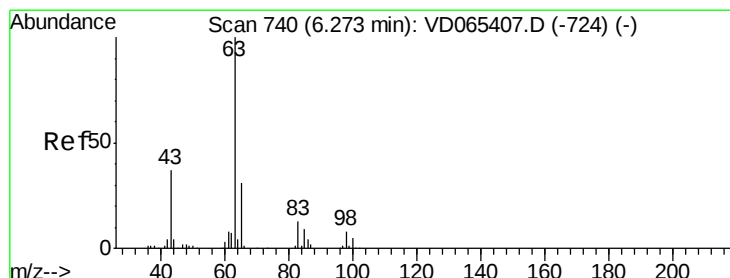
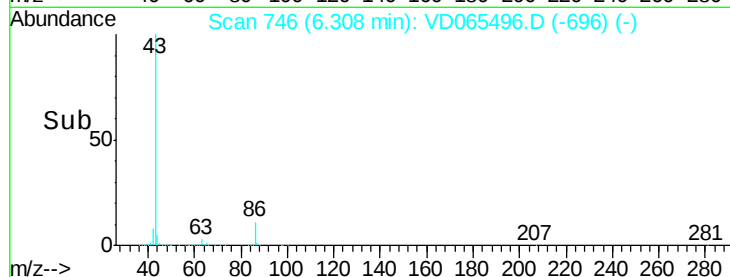
300000

200000

100000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 52.94 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

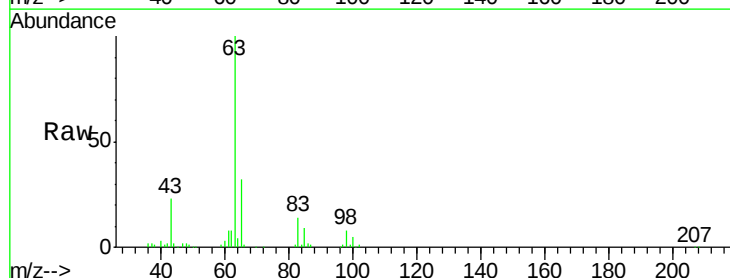
Tgt Ion: 63 Resp: 388882

Ion Ratio Lower Upper

63 100

98 7.7 4.2 12.6

100 5.0 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

6.27

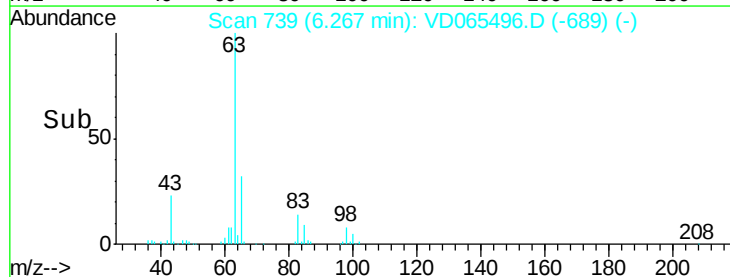
150000

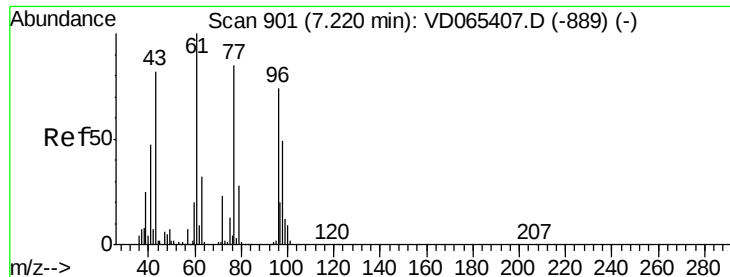
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 261.36 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

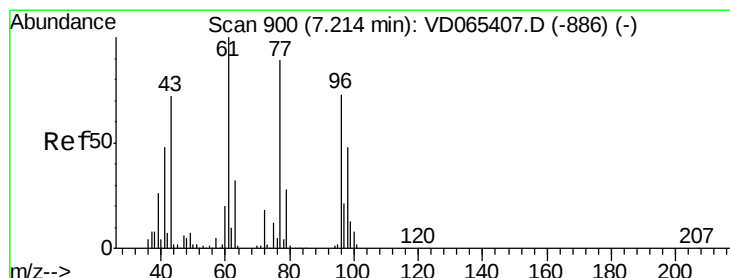
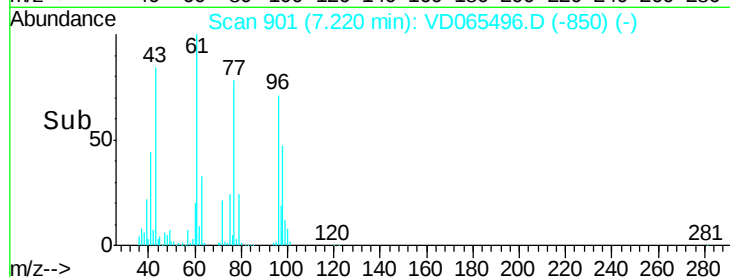
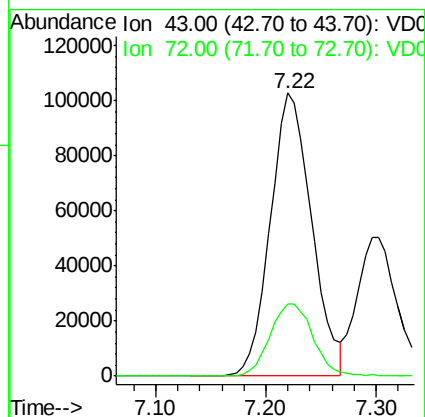
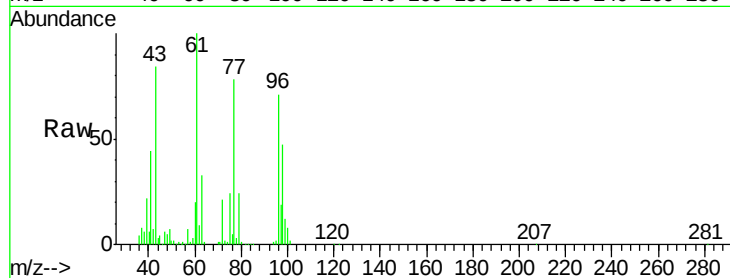
VSTDCCC050EC

Tgt Ion: 43 Resp: 266817

Ion Ratio Lower Upper

43 100

72 25.4 22.3 33.5



#26

2,2-Dichloropropane

Concen: 48.13 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065496.D

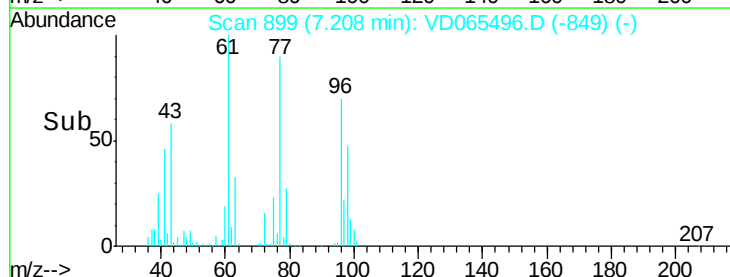
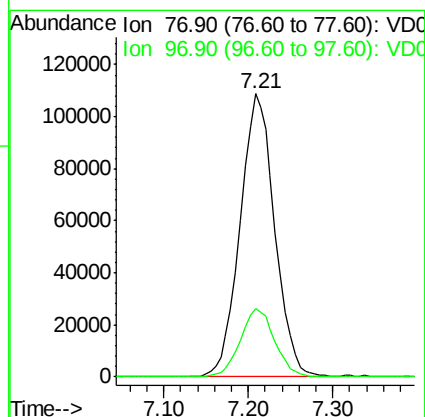
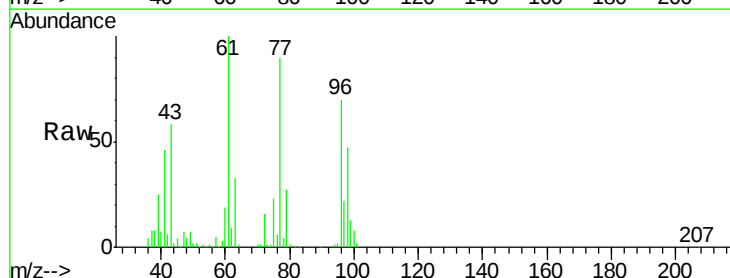
Acq: 12 Mar 2020 21:09

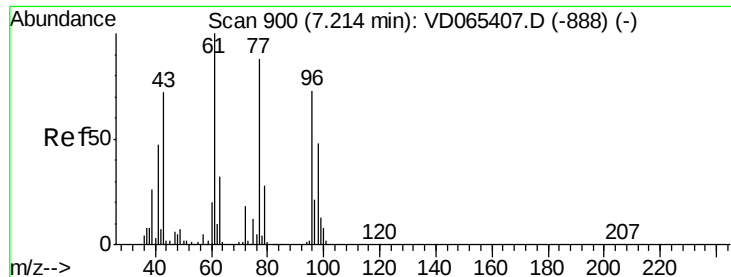
Tgt Ion: 77 Resp: 308985

Ion Ratio Lower Upper

77 100

97 23.9 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 53.87 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

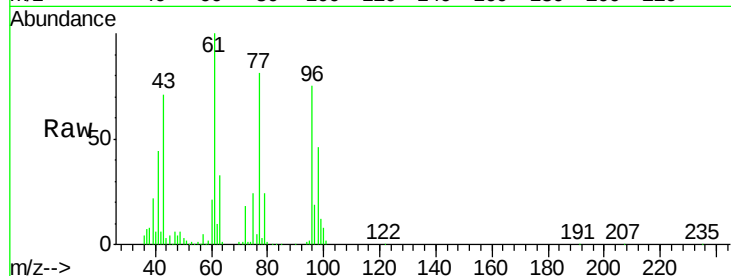
Tgt Ion: 96 Resp: 245654

Ion Ratio Lower Upper

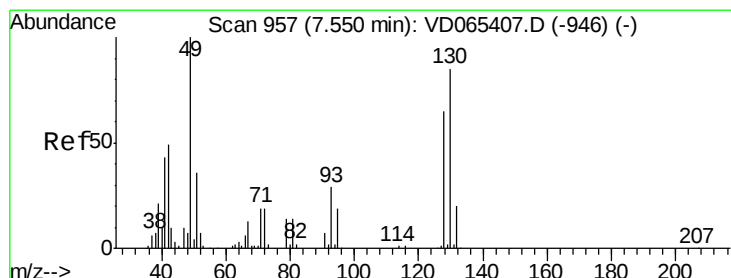
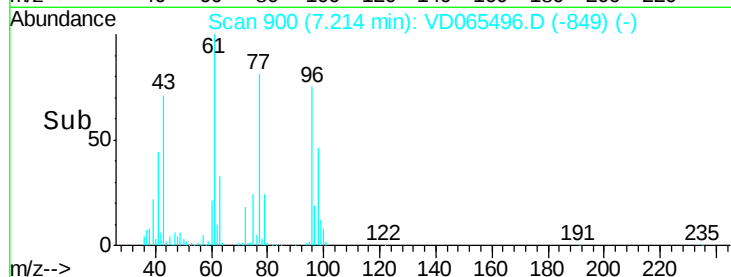
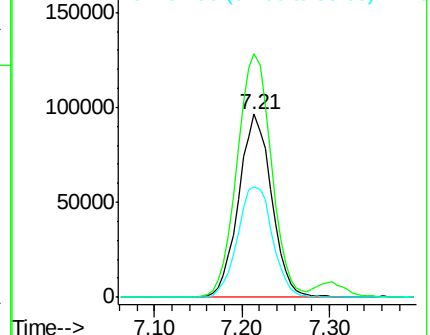
96 100

61 138.8 0.0 280.4

98 64.4 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: 56.09 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

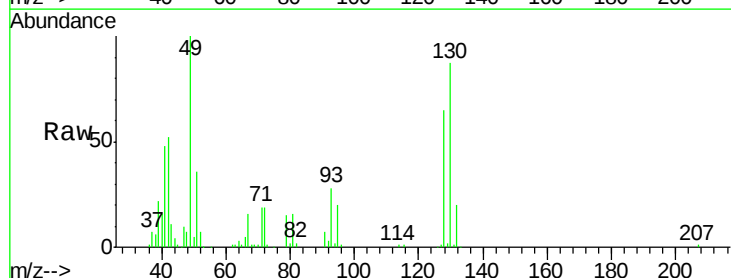
Tgt Ion: 49 Resp: 164845

Ion Ratio Lower Upper

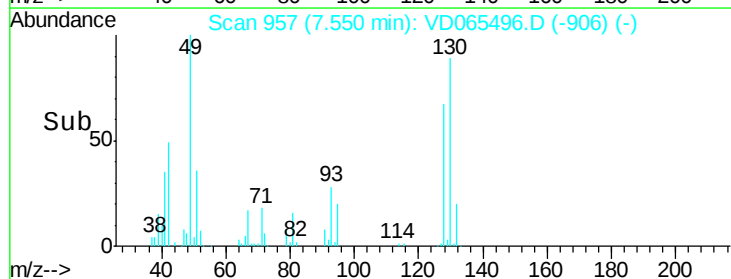
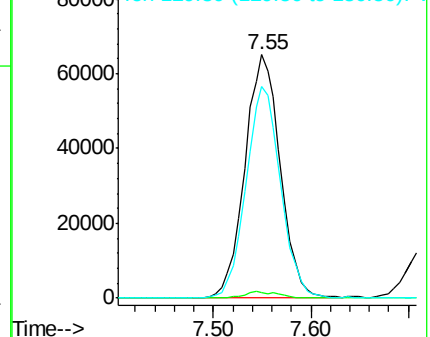
49 100

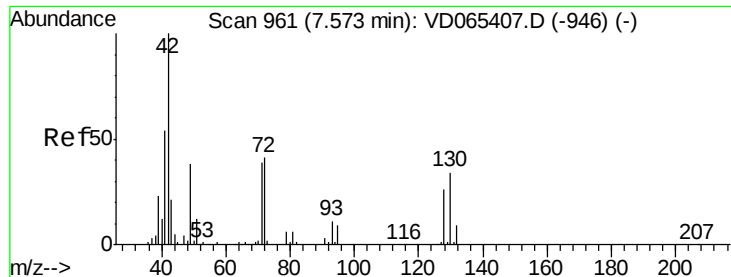
129 2.6 0.0 4.6

130 85.0 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

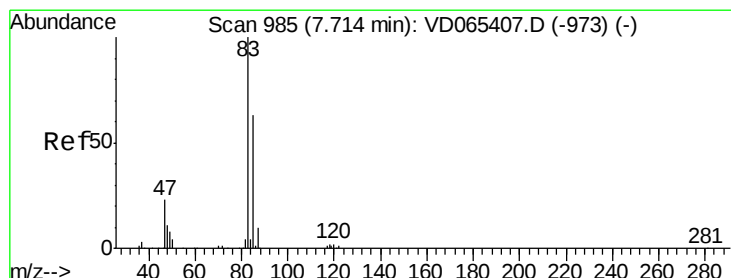
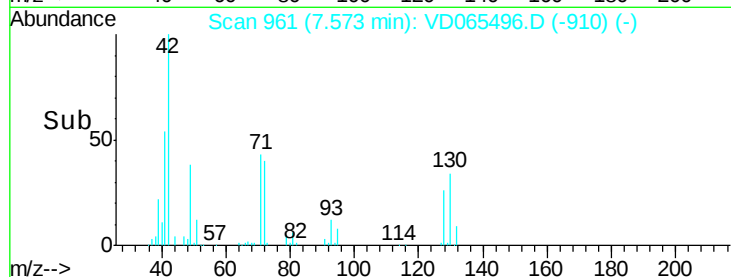
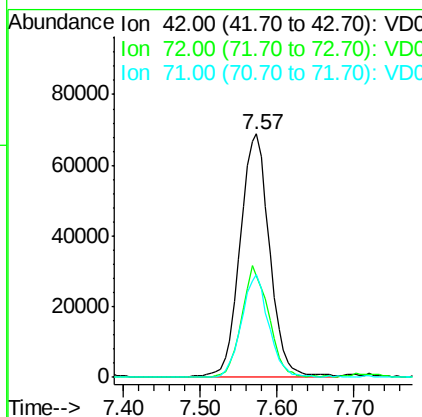
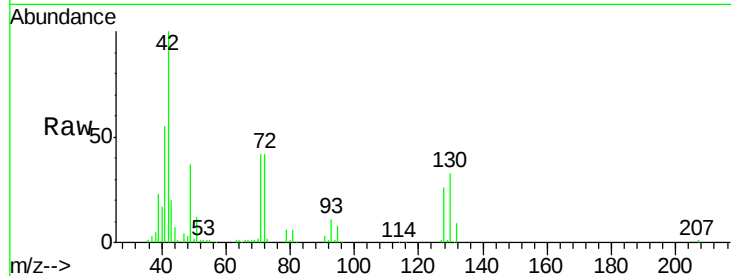




#29
Tetrahydrofuran
Concen: 285.40 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

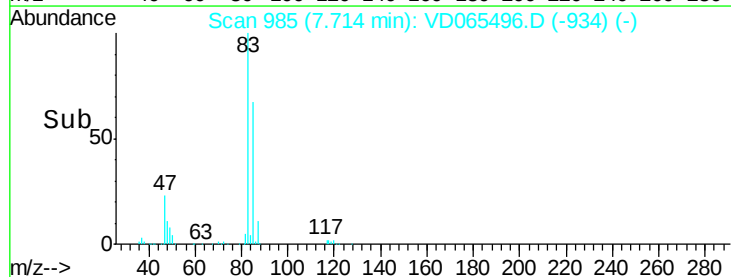
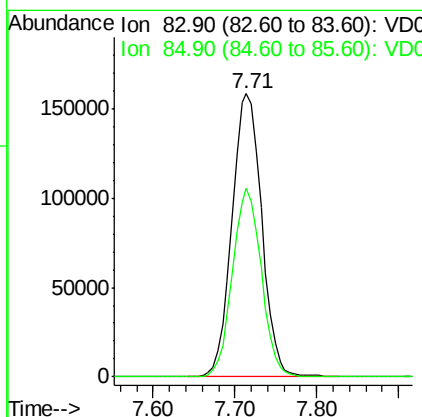
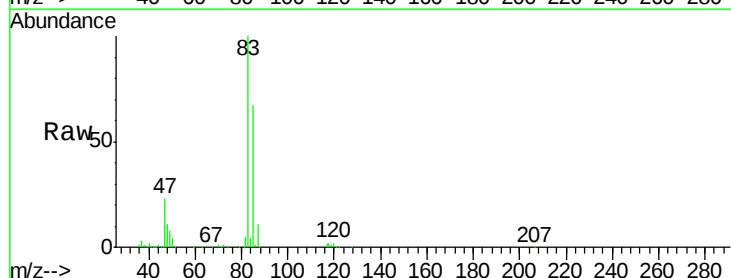
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

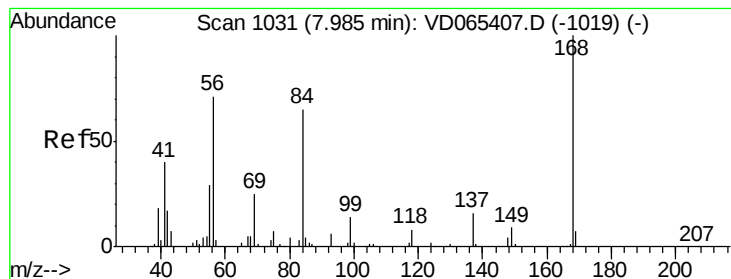
Tgt Ion: 42 Resp: 186063
Ion Ratio Lower Upper
42 100
72 41.8 33.0 49.6
71 38.8 32.0 48.0



#30
Chloroform
Concen: 54.65 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Tgt Ion: 83 Resp: 401252
Ion Ratio Lower Upper
83 100
85 66.8 50.3 75.5





#31

Cyclohexane

Concen: 45.66 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

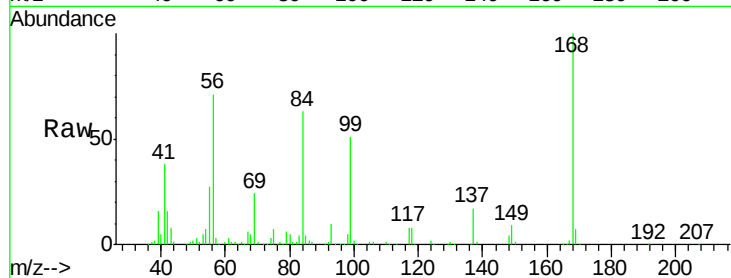
Tgt Ion: 56 Resp: 335405

Ion Ratio Lower Upper

56 100

69 33.2 28.3 42.5

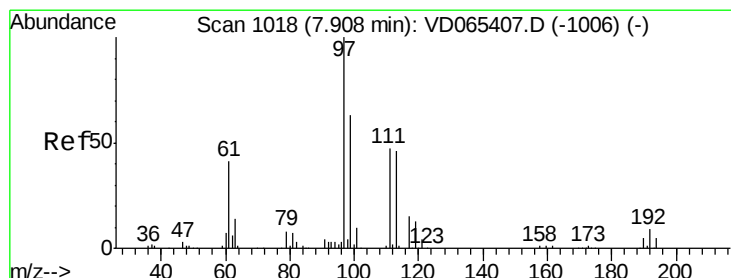
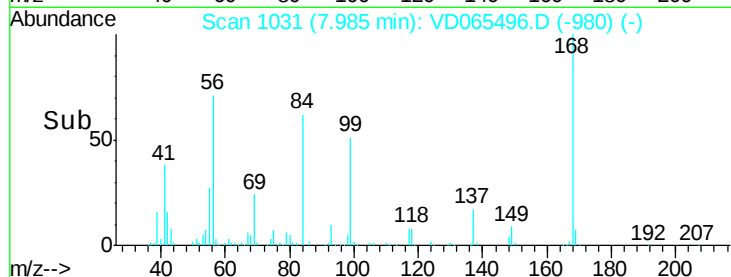
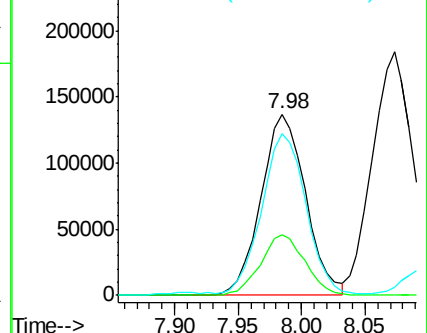
84 87.2 73.1 109.7



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: 50.84 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

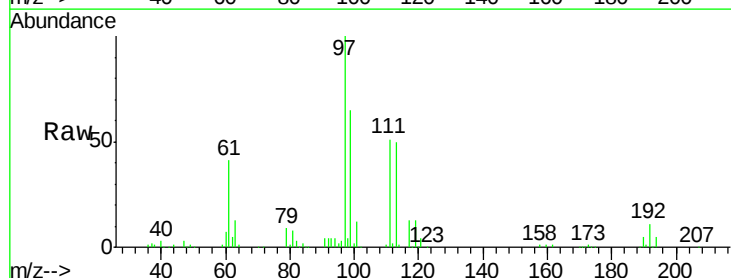
Tgt Ion: 97 Resp: 344958

Ion Ratio Lower Upper

97 100

99 63.5 50.9 76.3

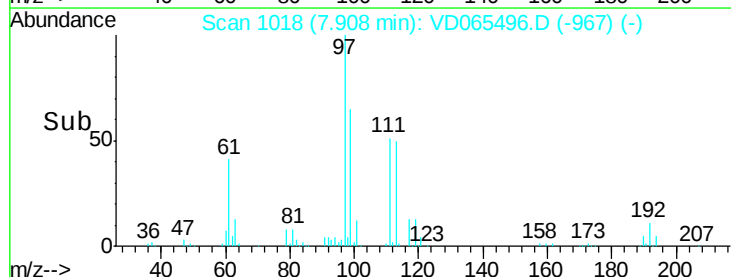
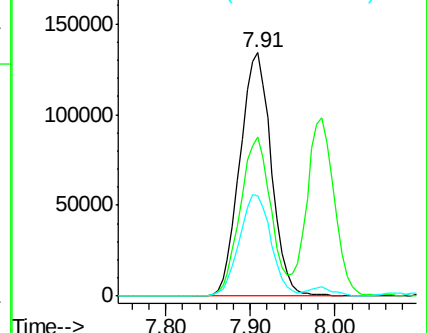
61 41.9 33.2 49.8

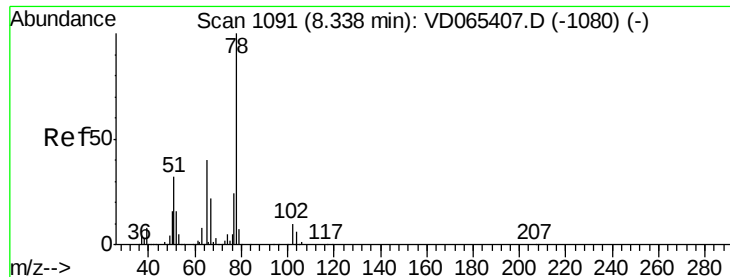


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

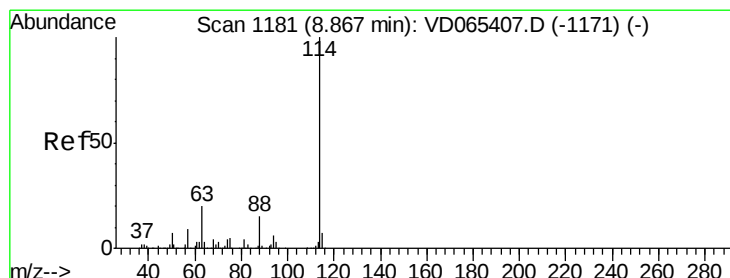
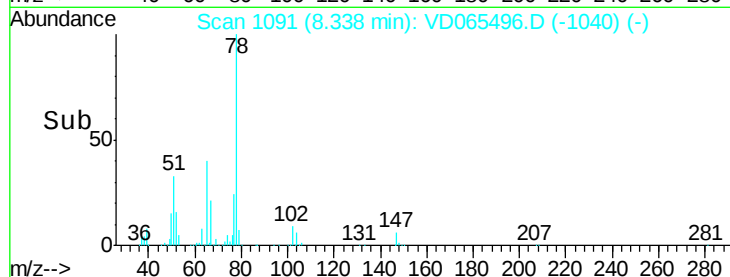
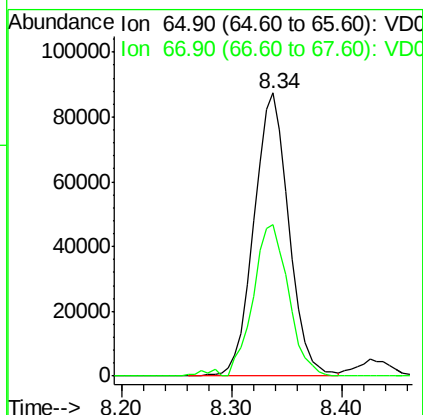
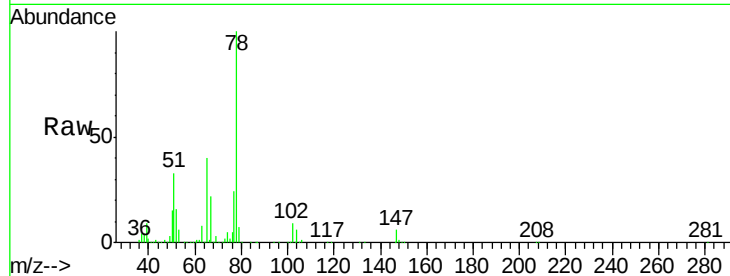




#33
 1,2-Dichloroethane-d4
 Concen: 52.30 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

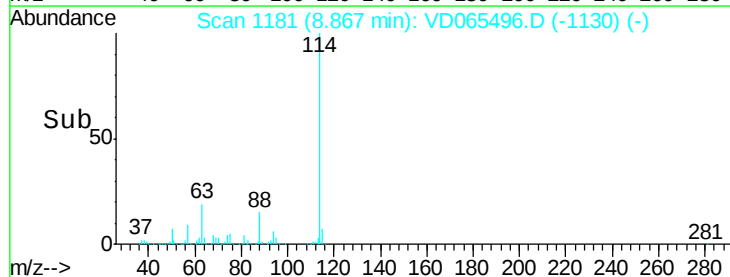
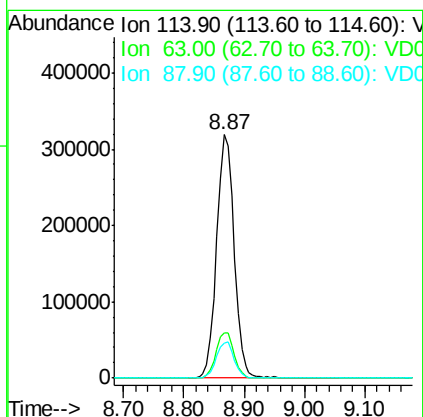
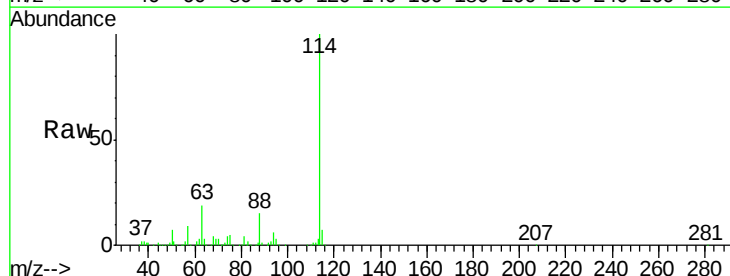
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 193451
 Ion Ratio Lower Upper
 65 100
 67 54.2 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: VD065496.D
 Acq: 12 Mar 2020 21:09

Tgt Ion: 114 Resp: 641083
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 39.6
 88 14.5 0.0 30.4

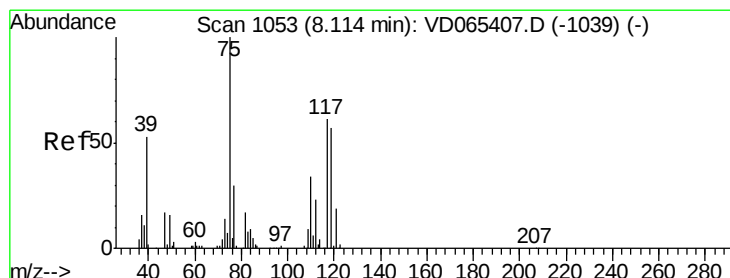
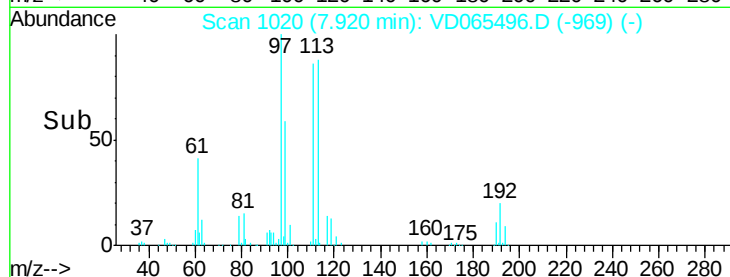
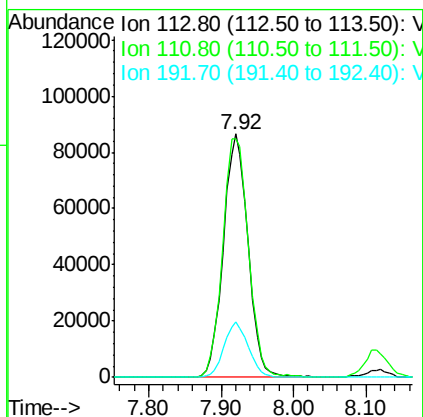
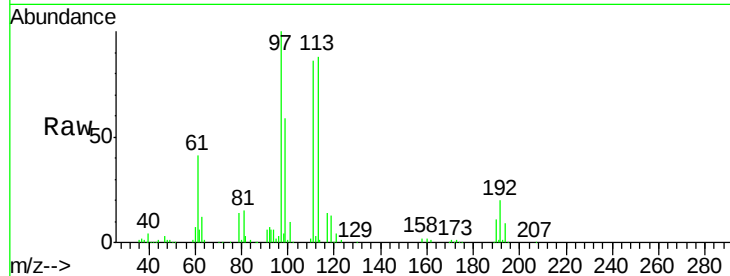




#35
 Dibromofluoromethane
 Concen: 51.64 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

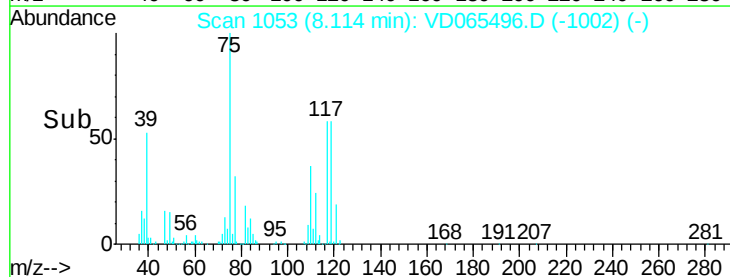
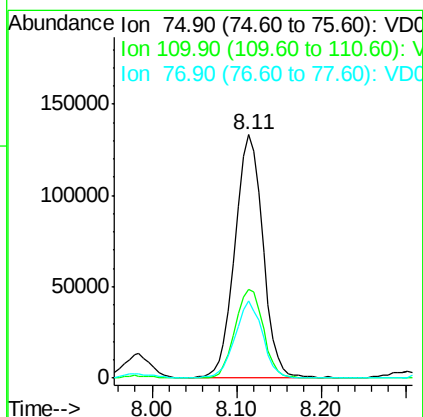
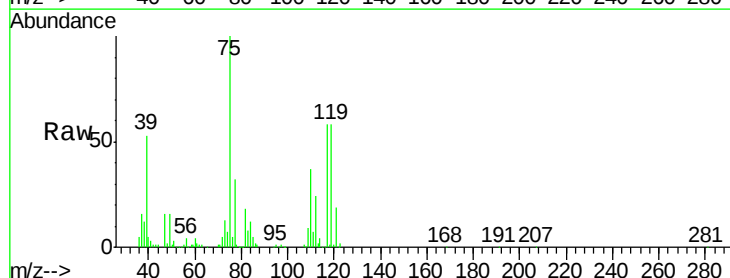
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

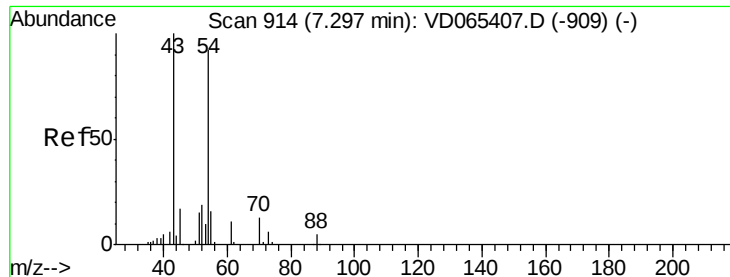
Tgt Ion: 113 Resp: 204724
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.1 123.1
 192 22.3 17.2 25.8



#36
 1,1-Dichloropropene
 Concen: 49.58 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Tgt Ion: 75 Resp: 304708
 Ion Ratio Lower Upper
 75 100
 110 36.9 18.1 54.1
 77 31.5 25.2 37.8

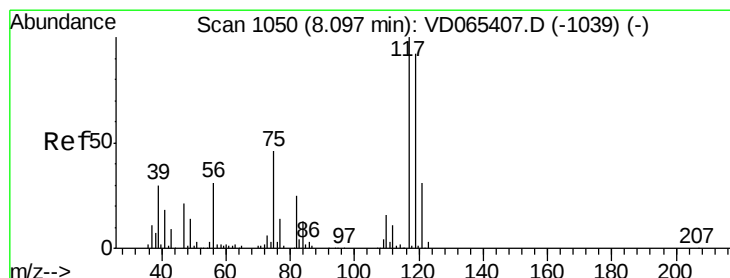
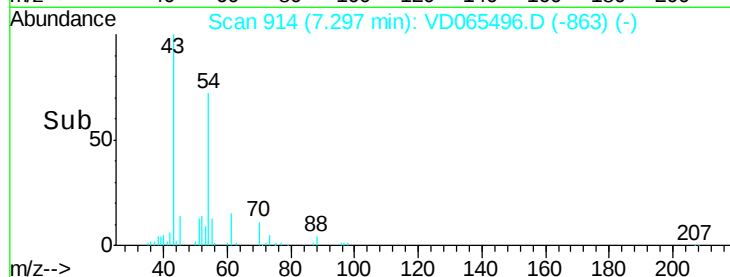
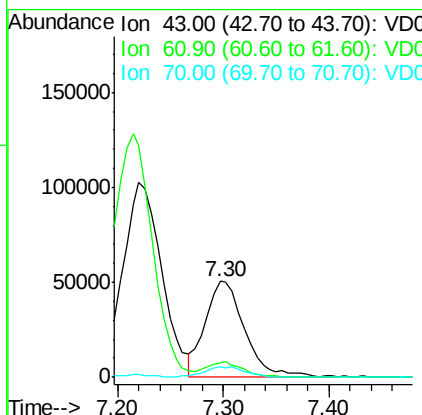
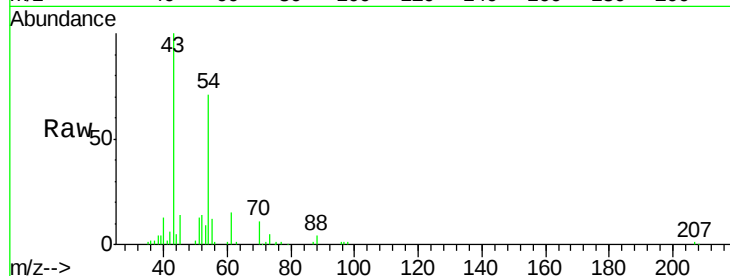




#37
Ethyl Acetate
Concen: 54.43 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

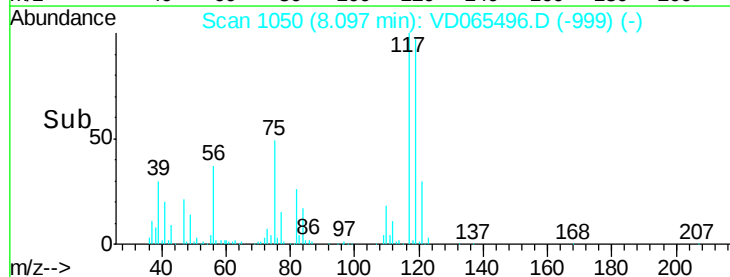
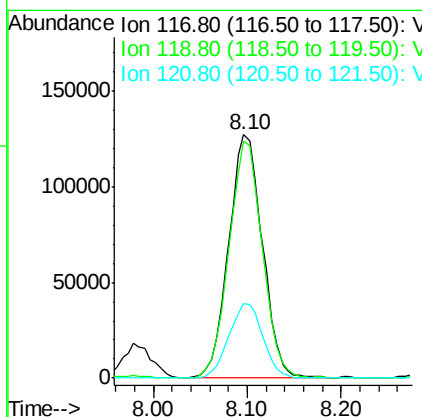
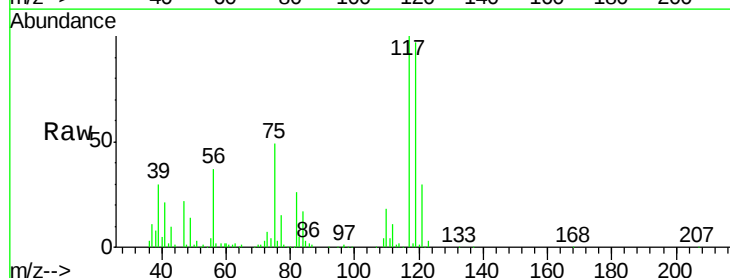
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

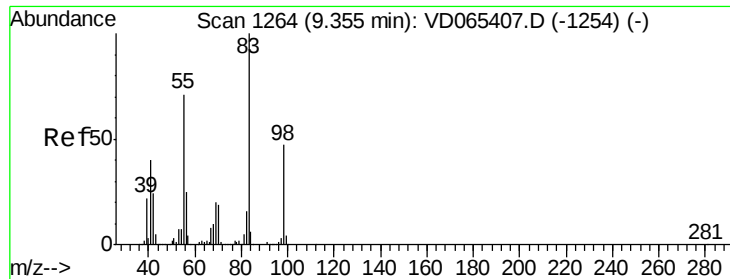
Tgt Ion: 43 Resp: 129281
Ion Ratio Lower Upper
43 100
61 15.7 11.4 17.0
70 11.2 9.0 13.4



#38
Carbon Tetrachloride
Concen: 49.43 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Tgt Ion: 117 Resp: 314985
Ion Ratio Lower Upper
117 100
119 97.4 73.3 109.9
121 30.5 25.0 37.4

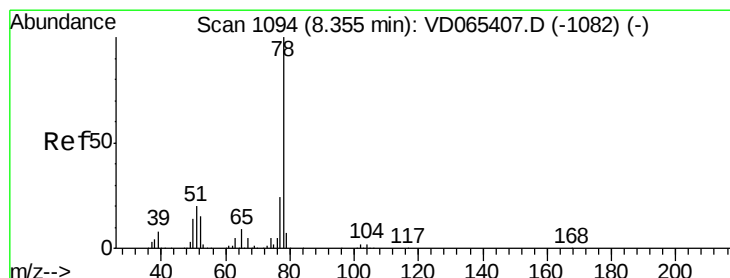
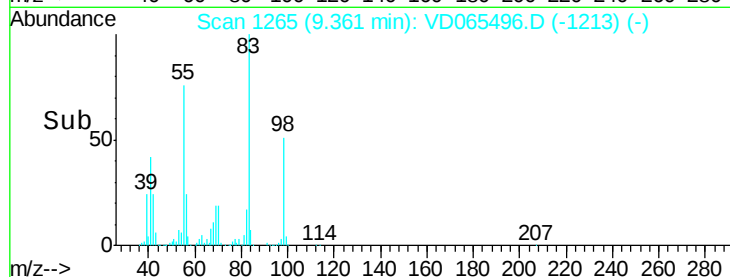
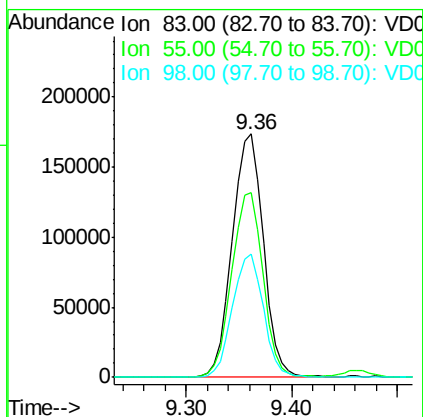
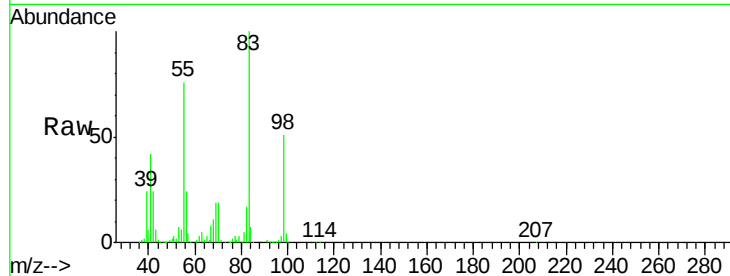




#39
Methylcyclohexane
Concen: 47.94 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

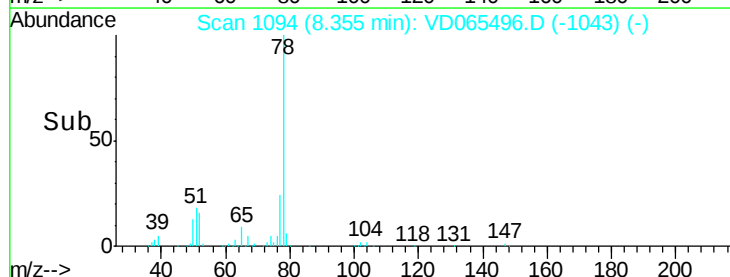
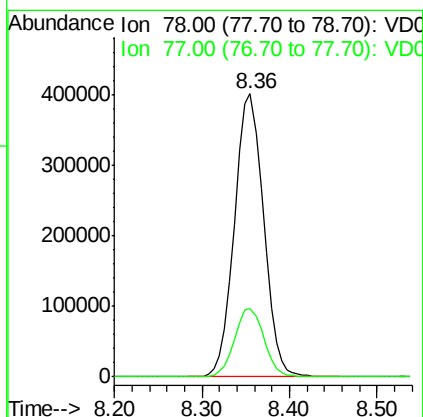
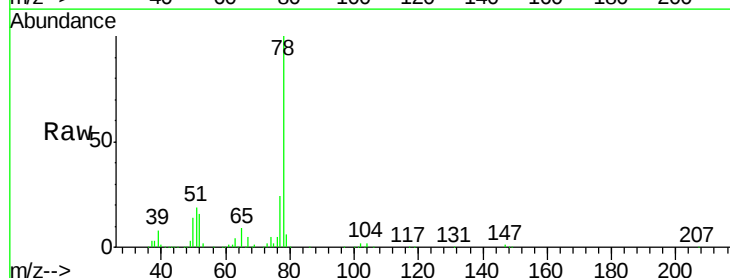
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

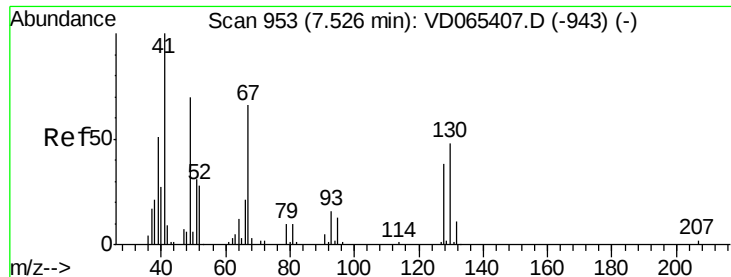
Tgt Ion: 83 Resp: 355804
Ion Ratio Lower Upper
83 100
55 75.8 57.1 85.7
98 50.5 37.8 56.8



#40
Benzene
Concen: 52.86 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Tgt Ion: 78 Resp: 908201
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.0





#41

Methacrylonitrile

Concen: 49.02 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 61580

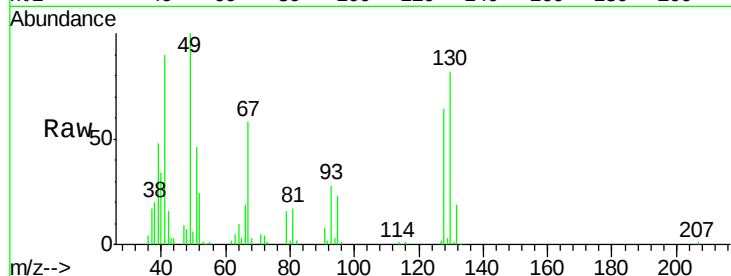
Ion Ratio Lower Upper

41 100

39 70.2 55.0 82.6

67 89.0 70.3 105.5

52 36.7 30.7 46.1

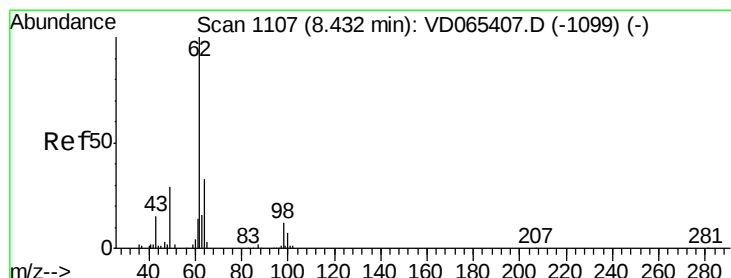
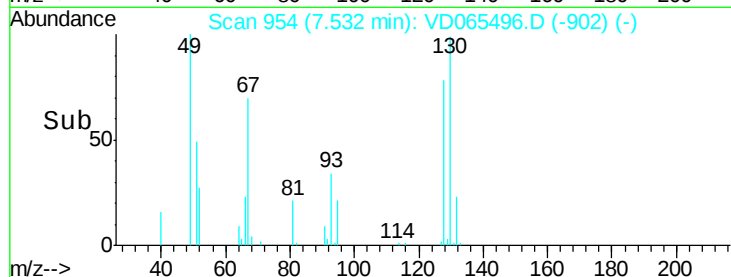
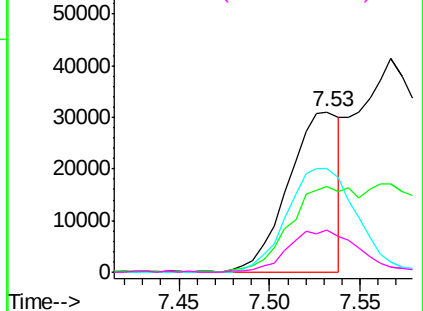


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 54.78 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD065496.D

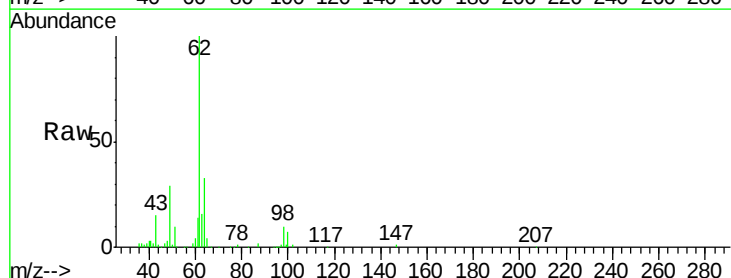
Acq: 12 Mar 2020 21:09

Tgt Ion: 62 Resp: 245770

Ion Ratio Lower Upper

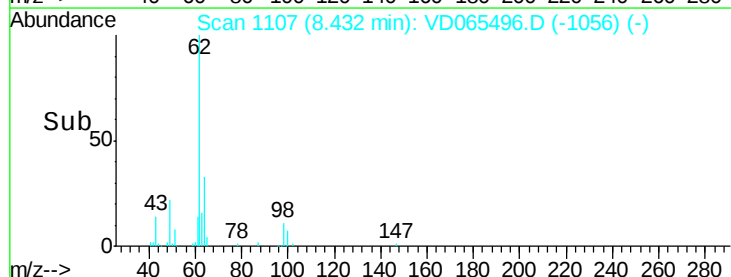
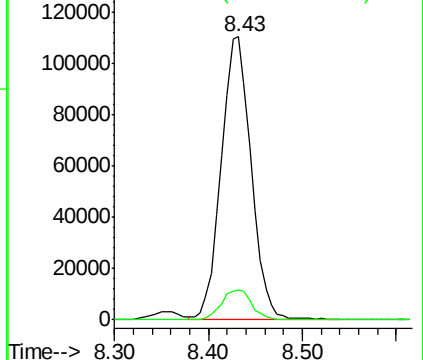
62 100

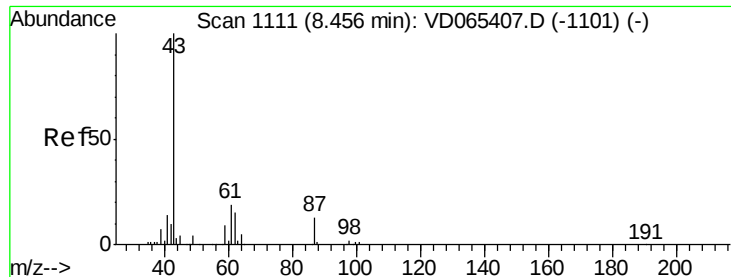
98 10.6 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 53.66 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

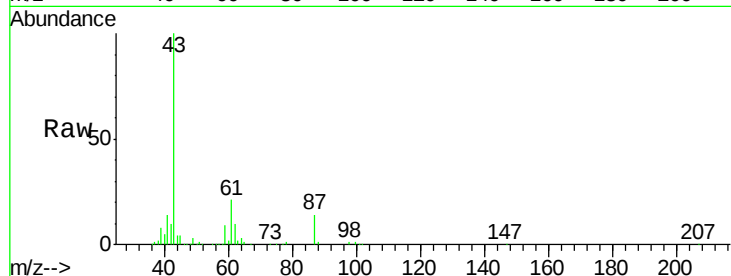
Tgt Ion: 43 Resp: 235320

Ion Ratio Lower Upper

43 100

61 31.7 25.0 37.6

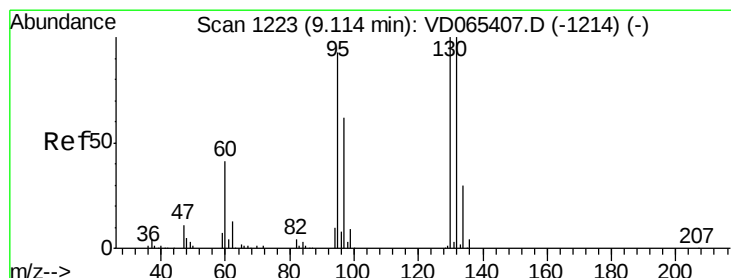
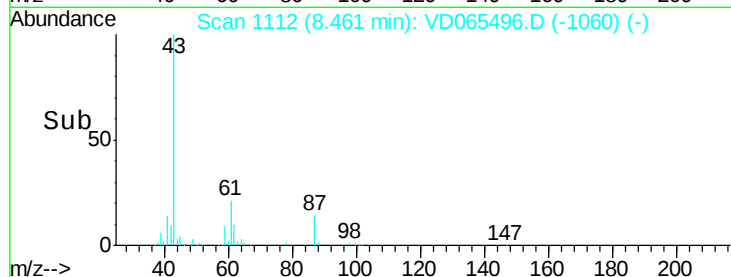
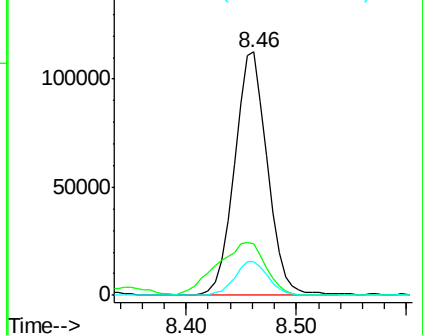
87 14.1 11.0 16.4



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: 51.31 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065496.D

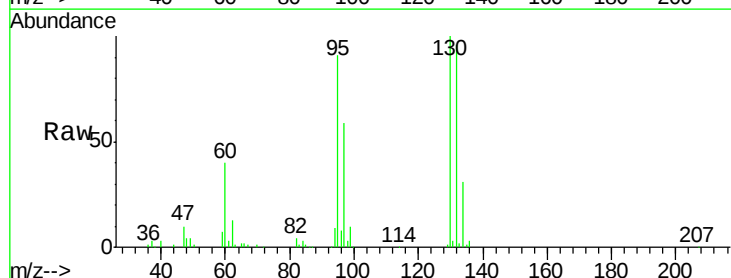
Acq: 12 Mar 2020 21:09

Tgt Ion: 130 Resp: 248984

Ion Ratio Lower Upper

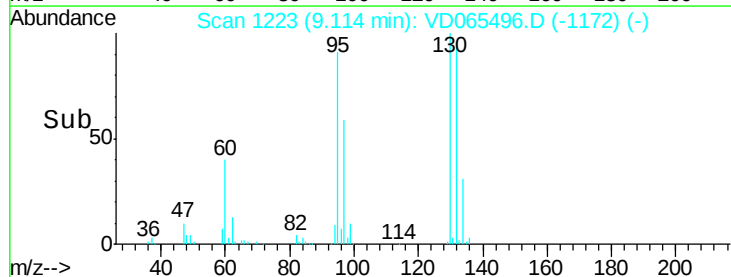
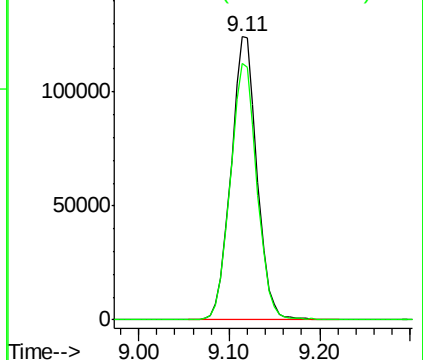
130 100

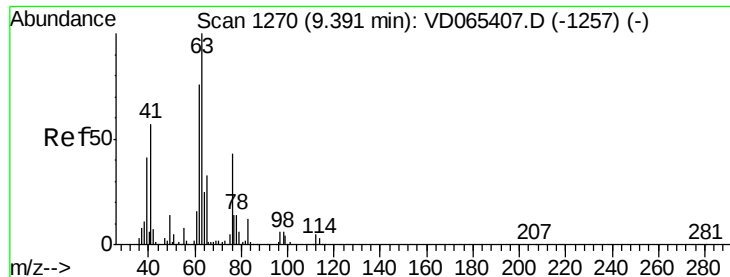
95 90.7 0.0 186.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 54.81 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

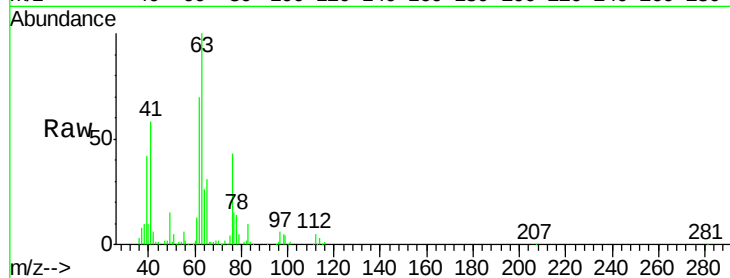
VSTDCCC050EC

Tgt Ion: 63 Resp: 228137

Ion Ratio Lower Upper

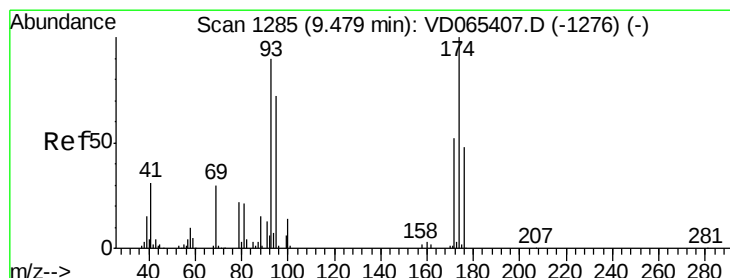
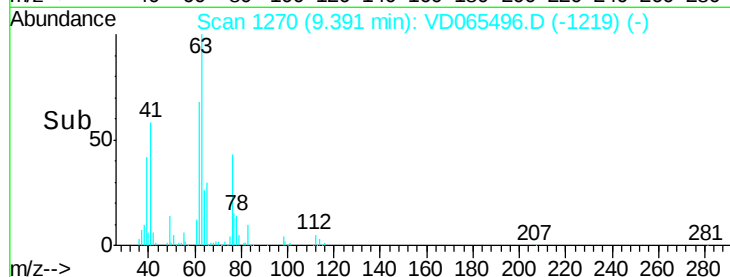
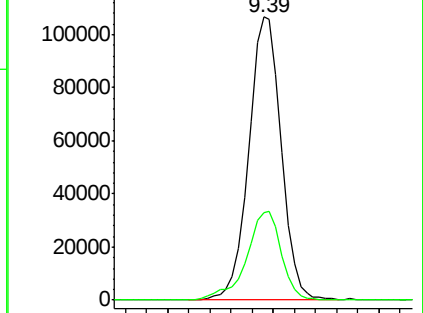
63 100

65 30.7 26.4 39.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 55.46 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

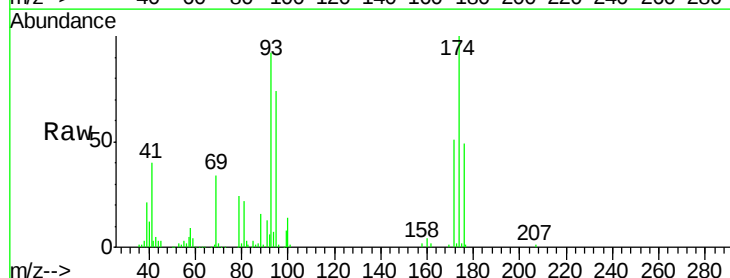
Tgt Ion: 93 Resp: 119727

Ion Ratio Lower Upper

93 100

95 82.0 65.0 97.6

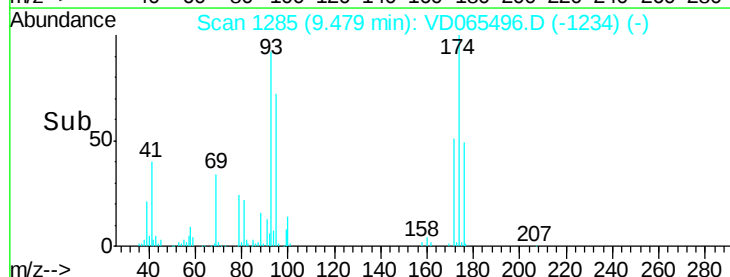
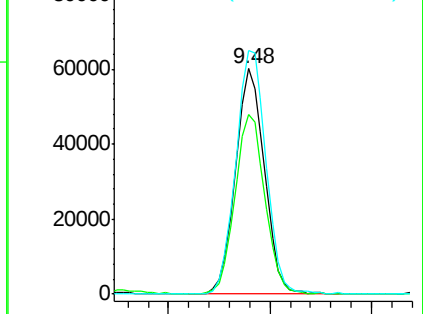
174 112.4 88.3 132.5



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.64 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

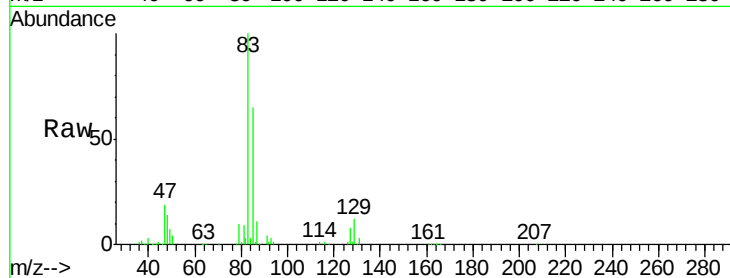
Tgt Ion: 83 Resp: 306893

Ion Ratio Lower Upper

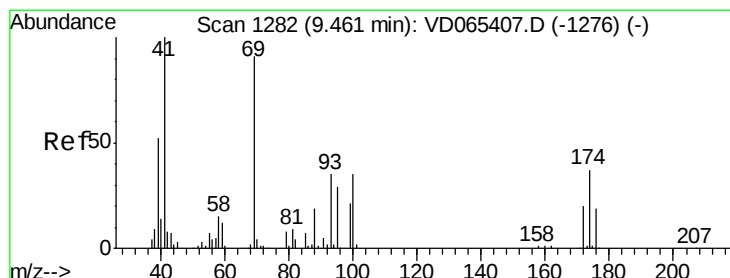
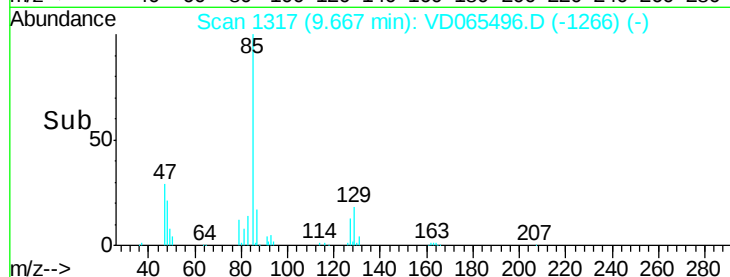
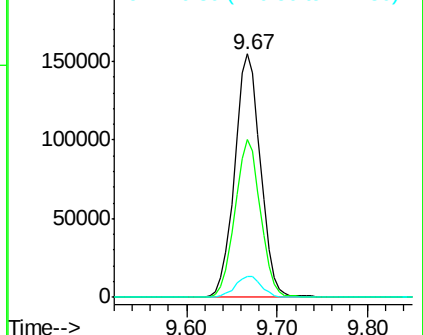
83 100

85 64.6 52.8 79.2

127 8.3 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: 55.66 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

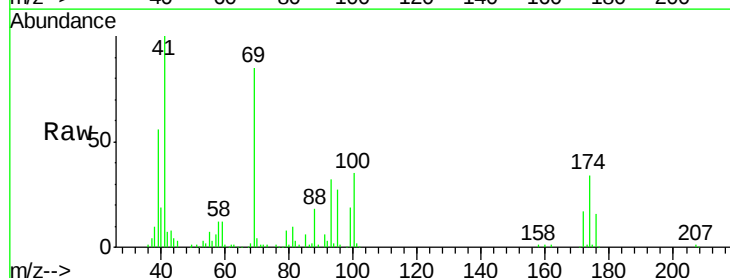
Tgt Ion: 41 Resp: 114834

Ion Ratio Lower Upper

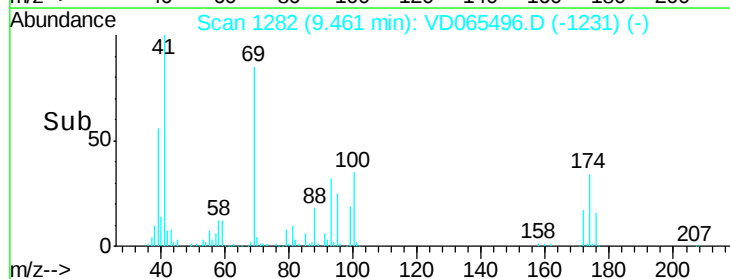
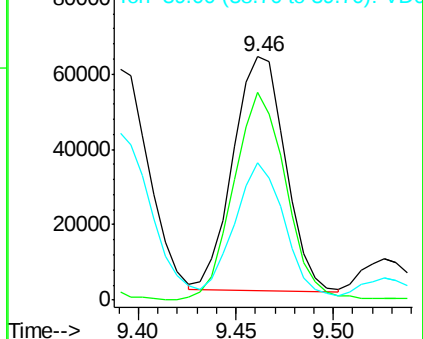
41 100

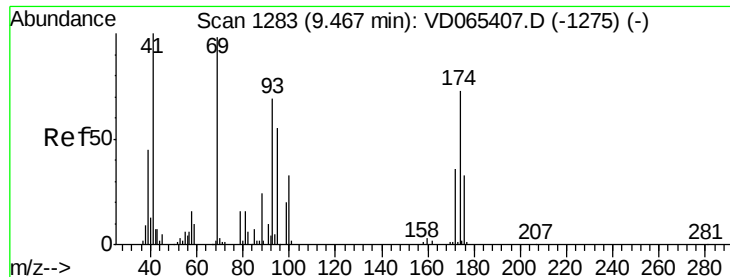
69 88.8 72.5 108.7

39 53.1 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

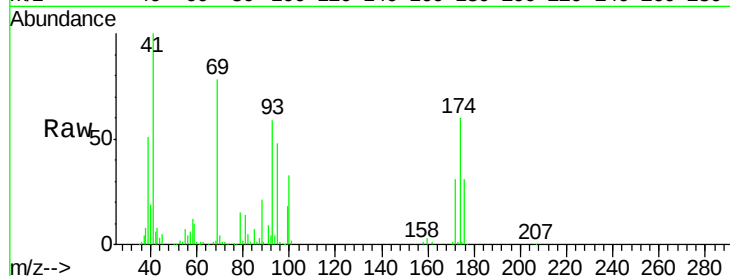




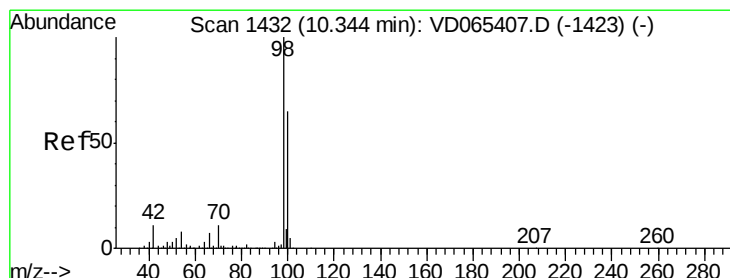
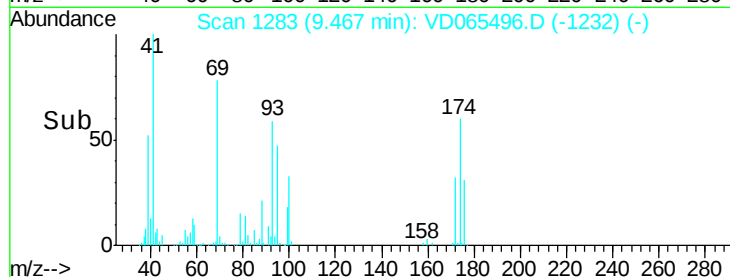
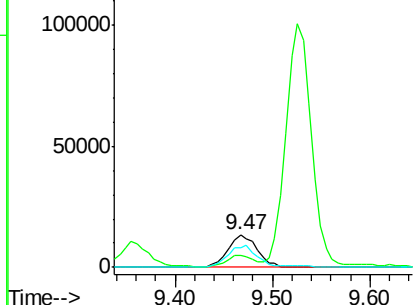
#49
 1,4-Dioxane
 Concen: 1138.46 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 88 Resp: 28113
 Ion Ratio Lower Upper
 88 100
 43 29.8 24.5 36.7
 58 65.1 54.5 81.7

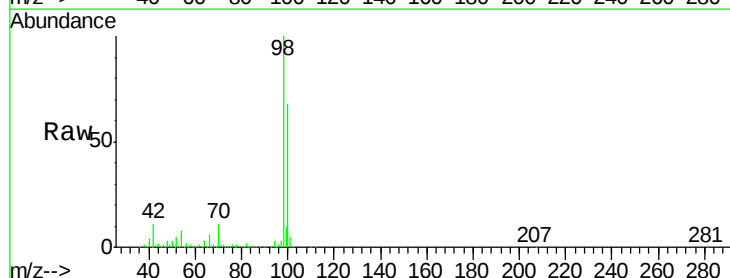


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

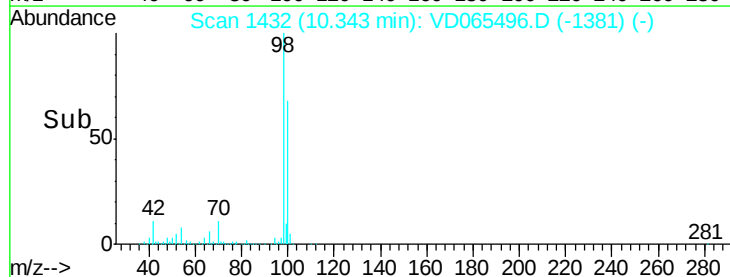
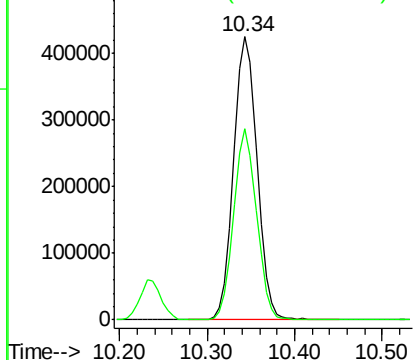


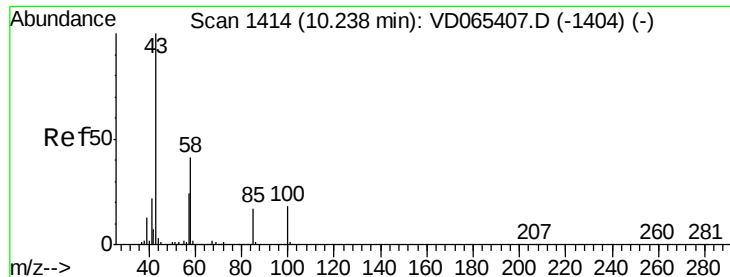
#50
 Toluene-d8
 Concen: 50.86 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Tgt Ion: 98 Resp: 773553
 Ion Ratio Lower Upper
 98 100
 100 65.7 52.8 79.2



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

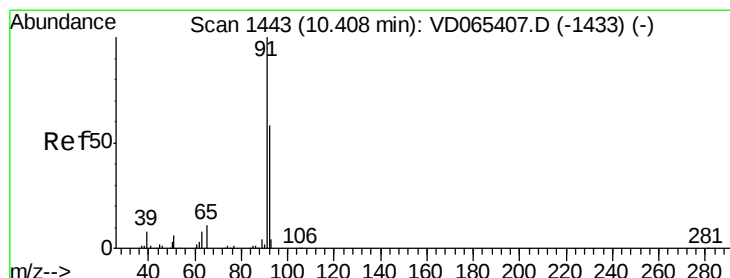
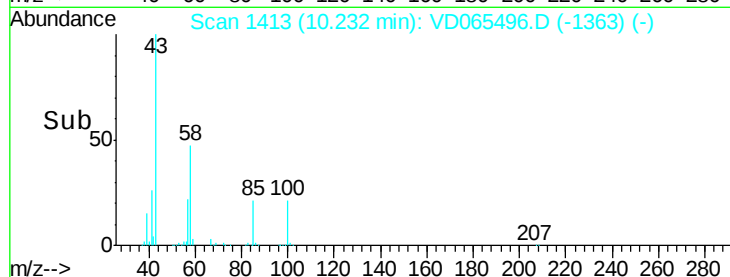
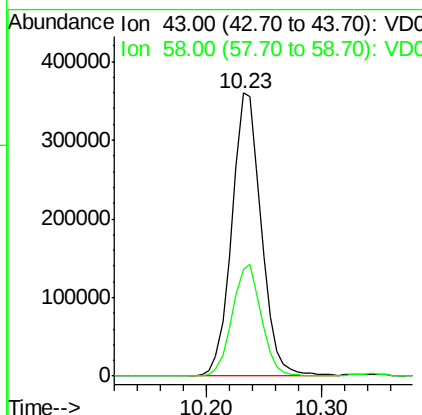
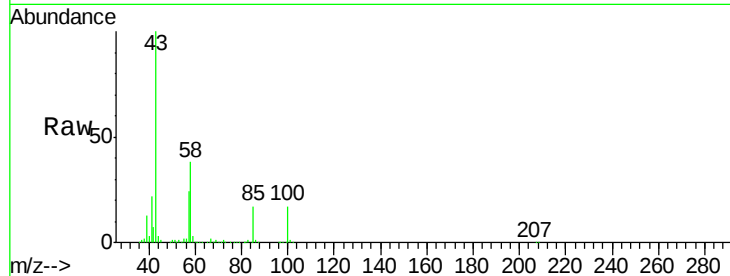




#51
 4-Methyl-2-Pentanone
 Concen: 287.29 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

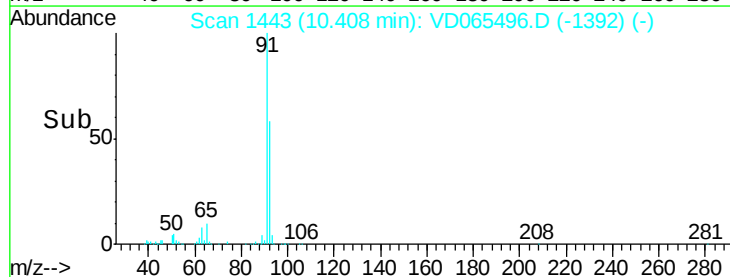
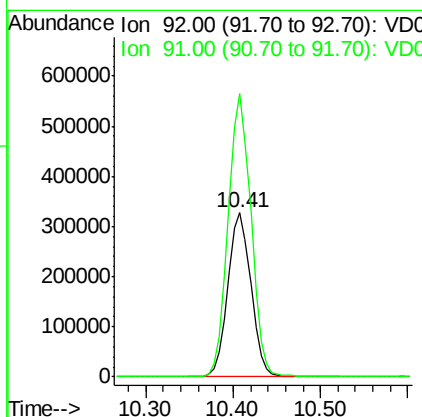
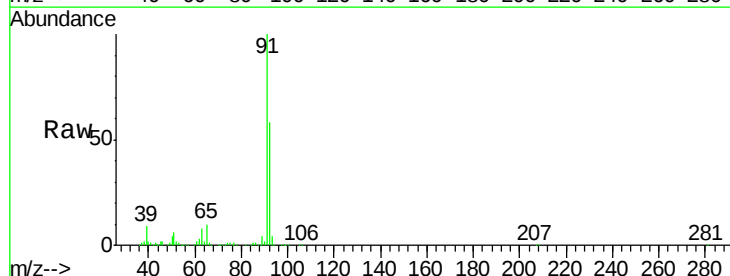
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

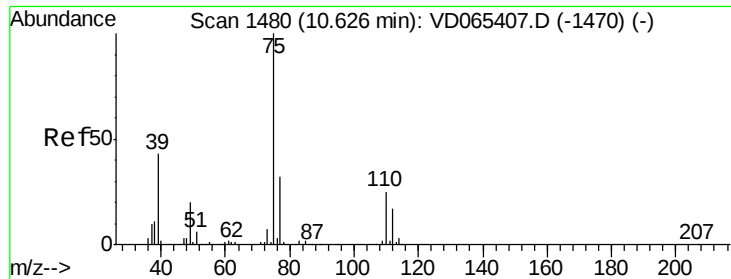
Tgt Ion: 43 Resp: 634029
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.8 47.6



#52
 Toluene
 Concen: 54.05 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Tgt Ion: 92 Resp: 585041
 Ion Ratio Lower Upper
 92 100
 91 171.5 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 54.61 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

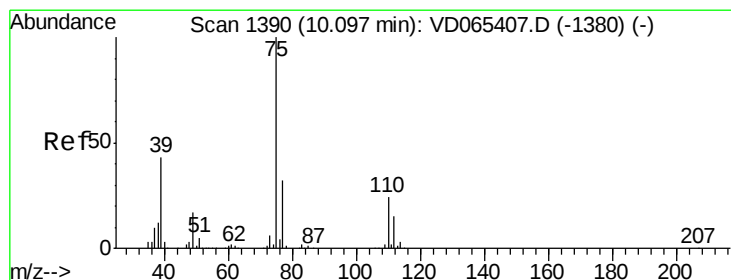
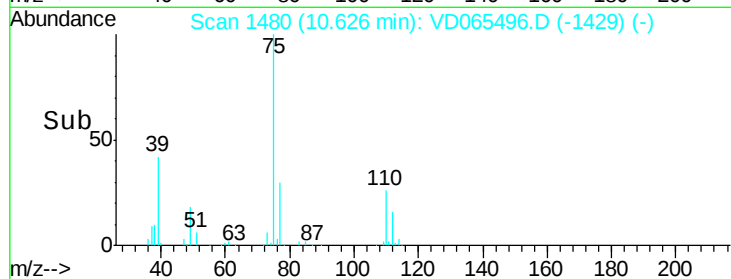
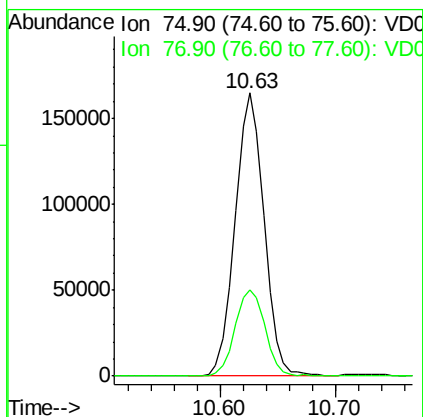
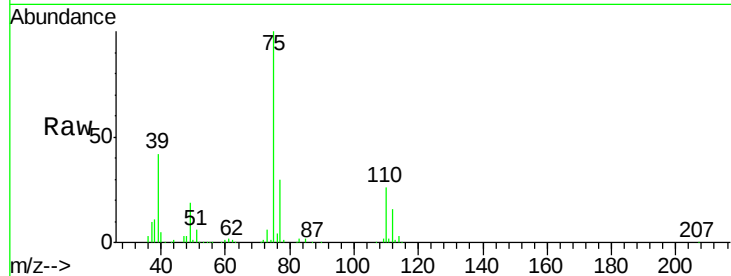
VSTDCCC050EC

Tgt Ion: 75 Resp: 286632

Ion Ratio Lower Upper

75 100

77 30.3 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 55.26 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

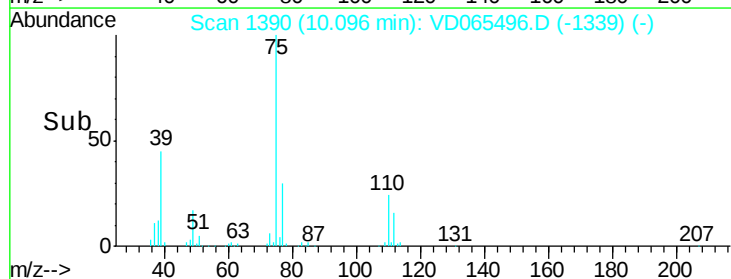
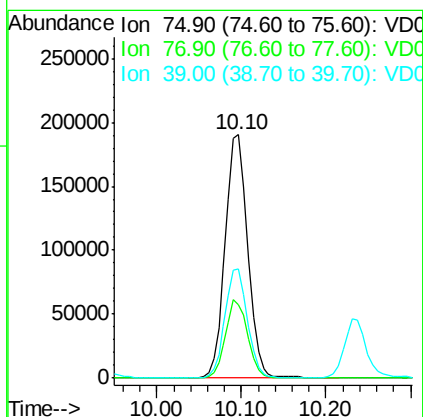
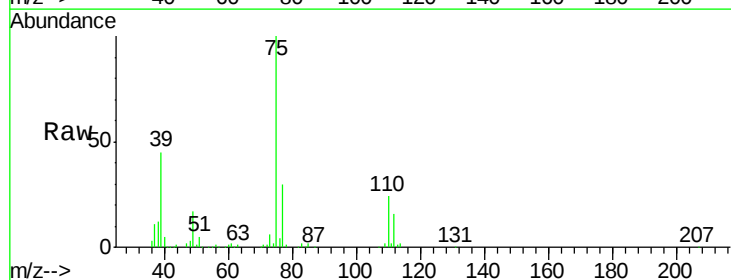
Tgt Ion: 75 Resp: 351073

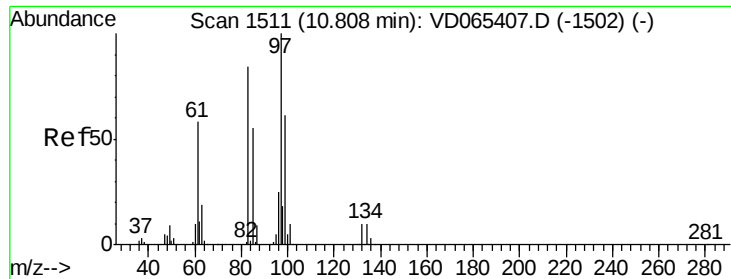
Ion Ratio Lower Upper

75 100

77 30.1 25.3 37.9

39 45.1 34.6 52.0

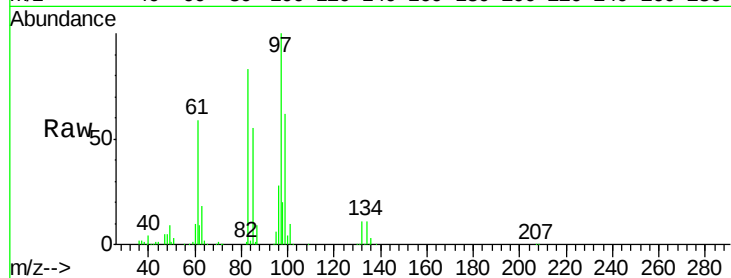




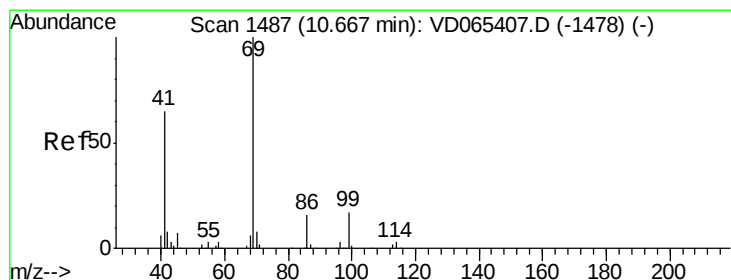
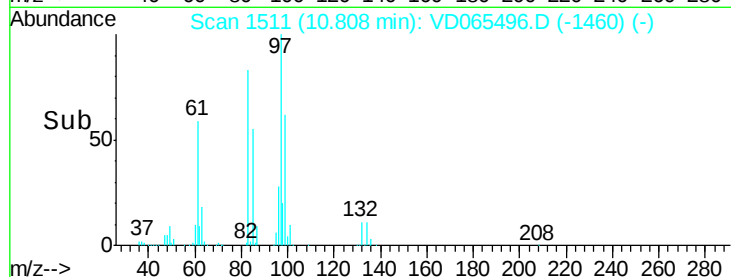
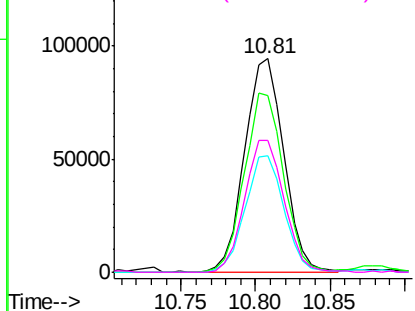
#55
 1,1,2-Trichloroethane
 Concen: 56.08 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 97 Resp: 171458
 Ion Ratio Lower Upper
 97 100
 83 82.8 67.4 101.0
 85 54.7 43.8 65.8
 99 61.8 48.8 73.2

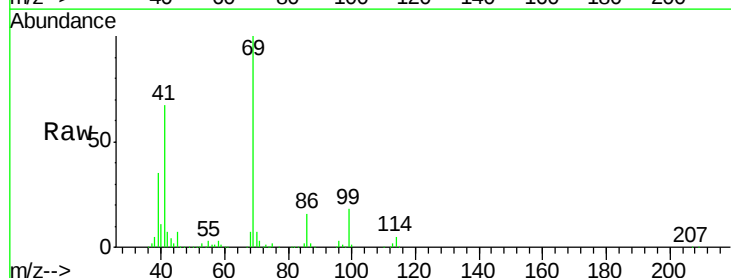


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

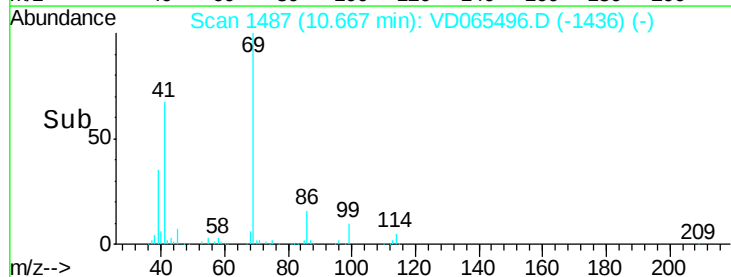
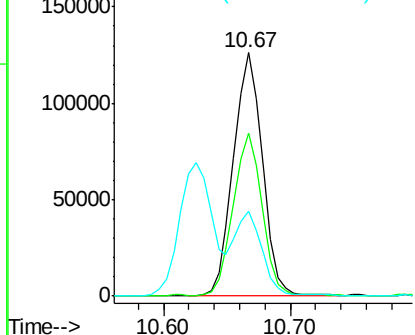


#56
 Ethyl methacrylate
 Concen: 58.36 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Tgt Ion: 69 Resp: 201155
 Ion Ratio Lower Upper
 69 100
 41 65.9 53.0 79.6
 39 32.8 26.0 39.0



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





#57

1,3-Dichloropropane

Concen: 55.72 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

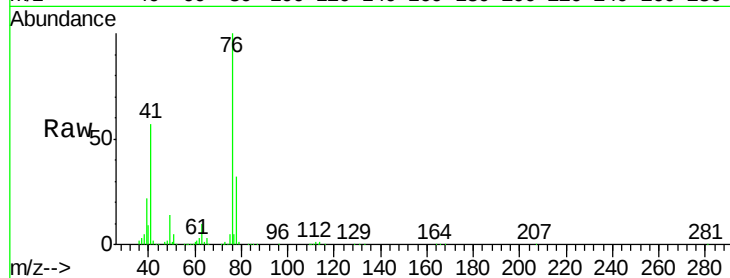
VSTDCCC050EC

Tgt Ion: 76 Resp: 288271

Ion Ratio Lower Upper

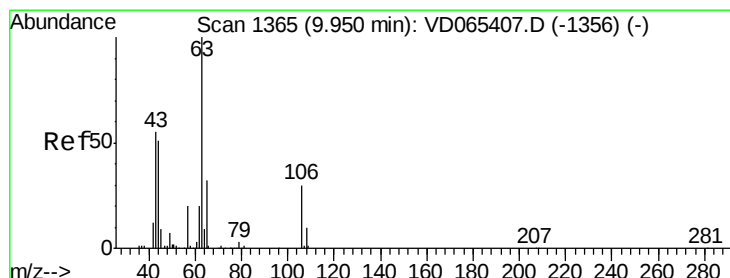
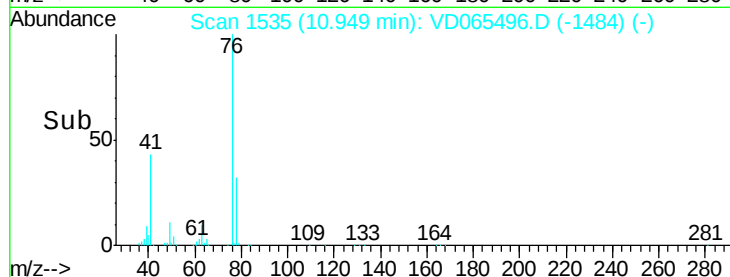
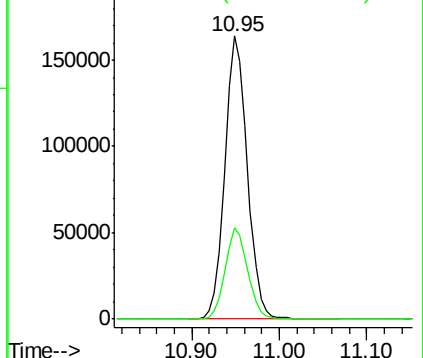
76 100

78 32.4 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 250.25 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065496.D

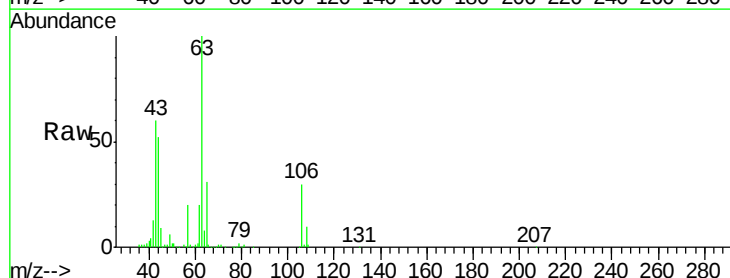
Acq: 12 Mar 2020 21:09

Tgt Ion: 63 Resp: 269610

Ion Ratio Lower Upper

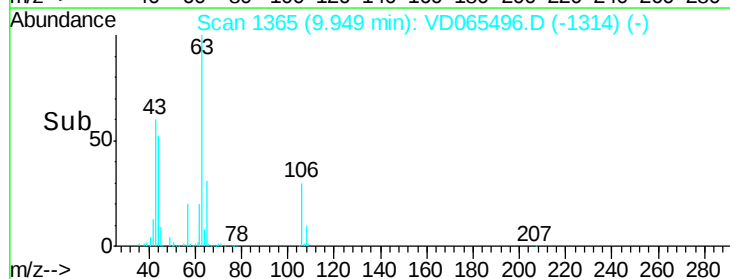
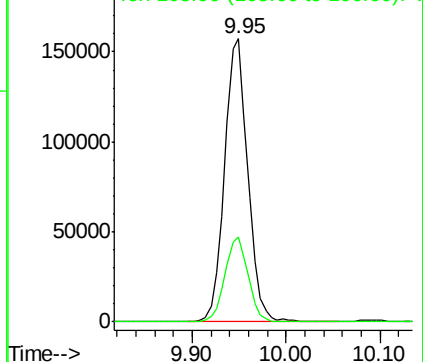
63 100

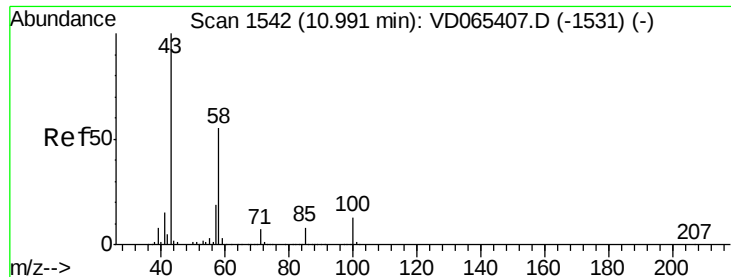
106 29.8 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

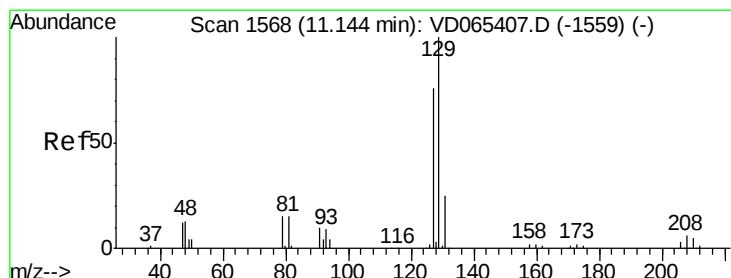
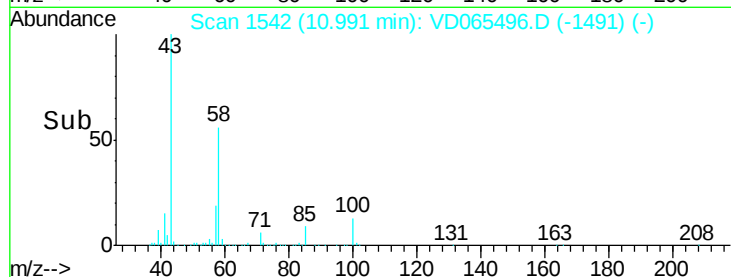
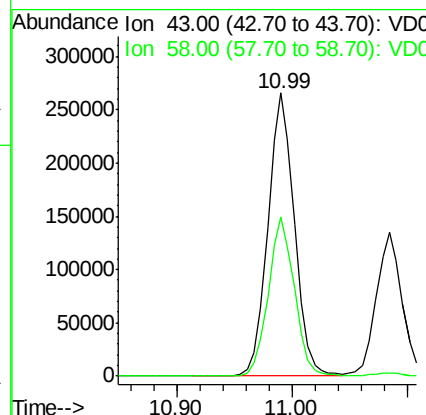
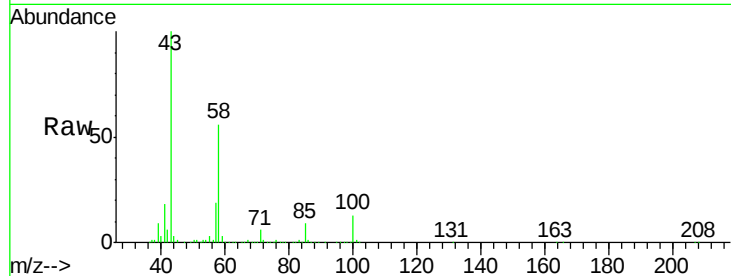




#59
2-Hexanone
Concen: 278.27 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

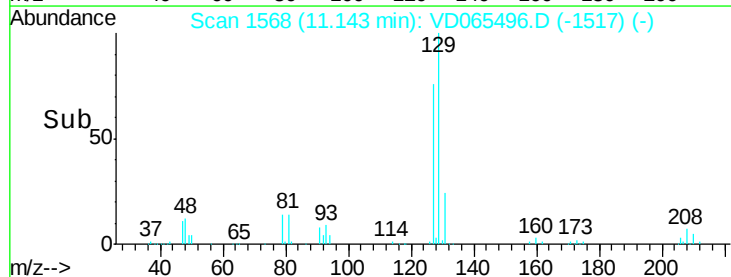
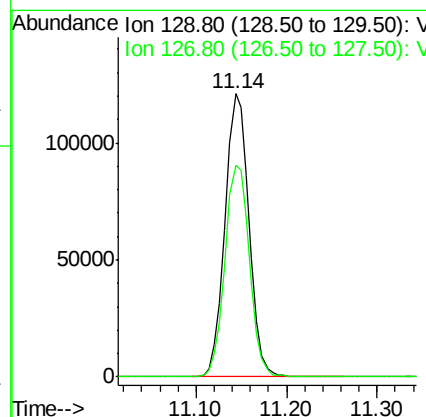
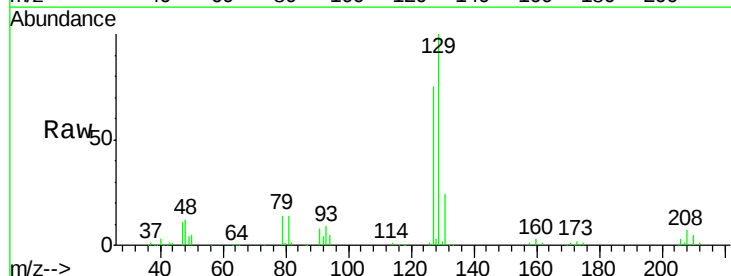
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

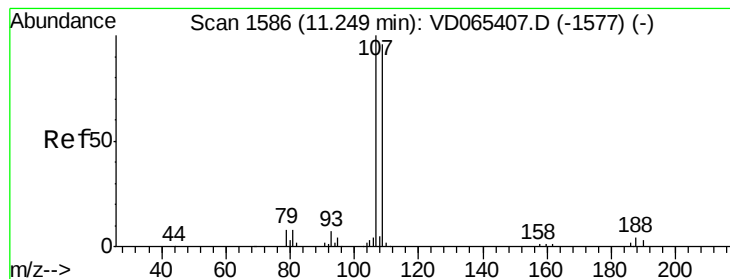
Tgt Ion: 43 Resp: 425120
Ion Ratio Lower Upper
43 100
58 55.4 27.4 82.2



#60
Dibromochloromethane
Concen: 56.53 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Tgt Ion: 129 Resp: 221561
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.5





#61

1,2-Dibromoethane

Concen: 55.67 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

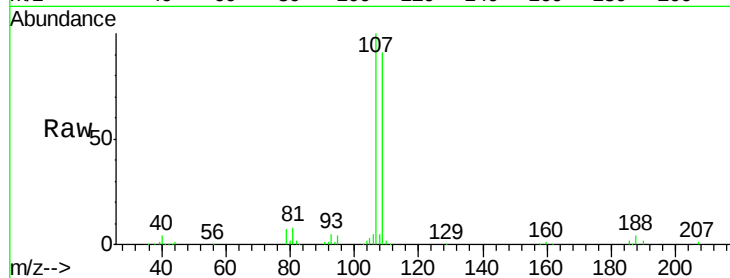
VSTDCCC050EC

Tgt Ion: 107 Resp: 162370

Ion Ratio Lower Upper

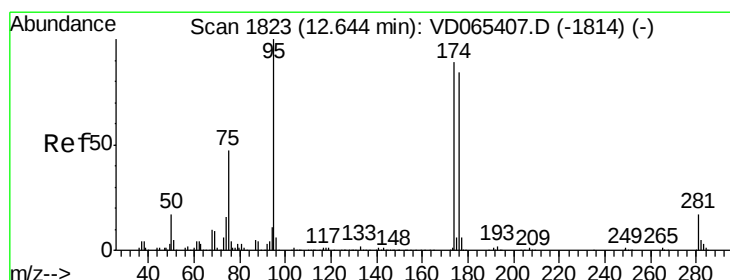
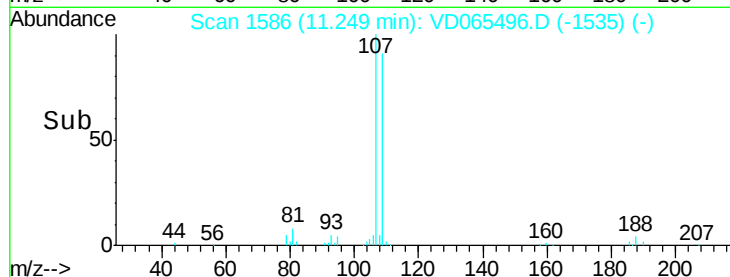
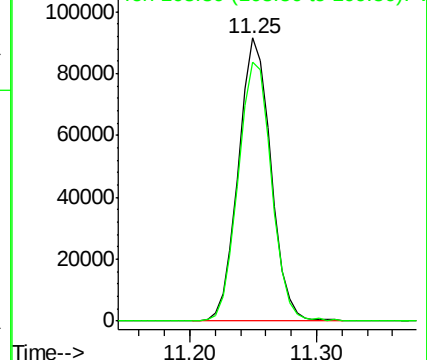
107 100

109 94.1 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.35 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

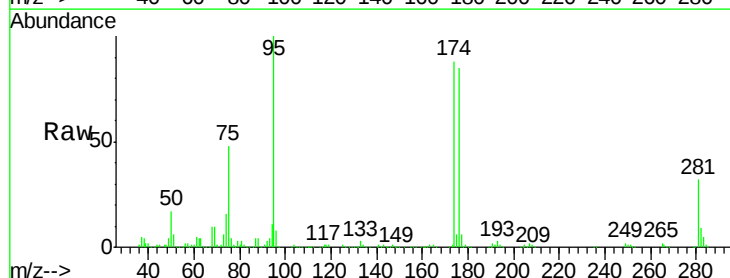
Tgt Ion: 95 Resp: 255164

Ion Ratio Lower Upper

95 100

174 91.0 0.0 176.8

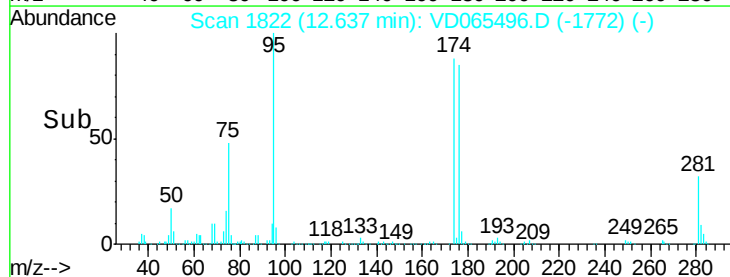
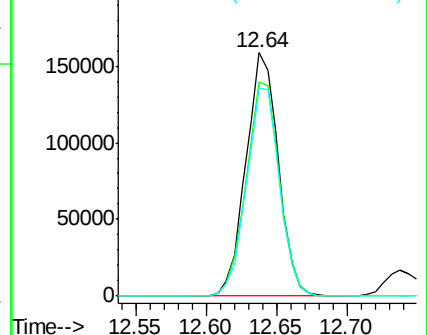
176 87.4 0.0 171.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

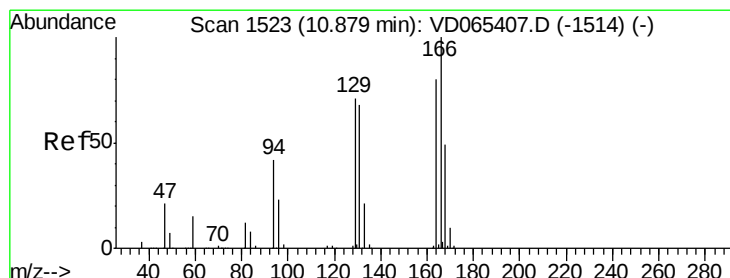
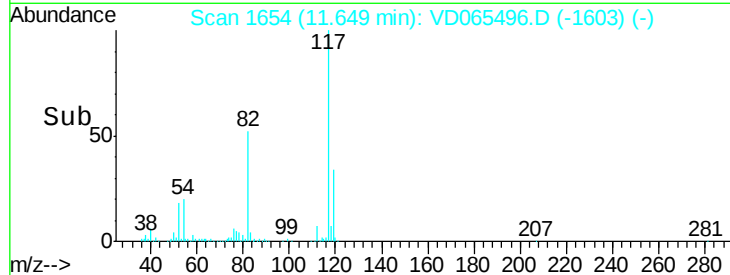
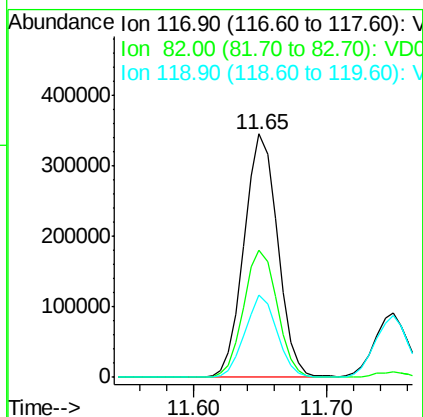
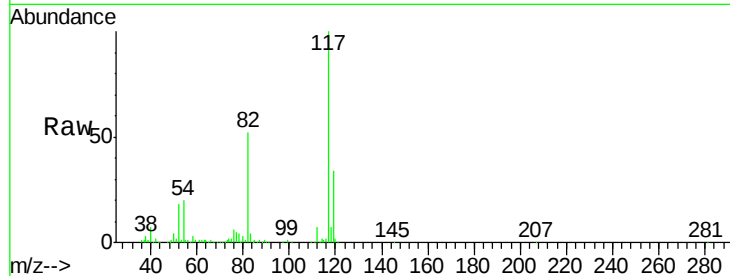




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

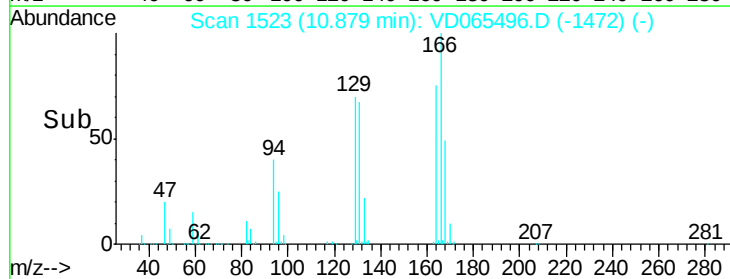
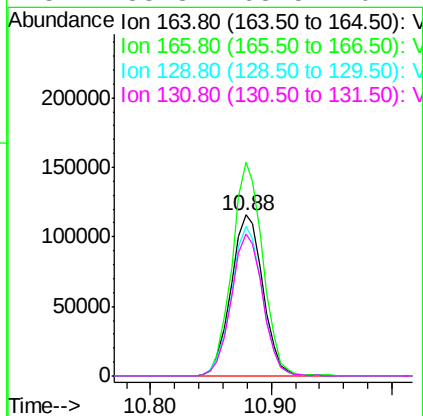
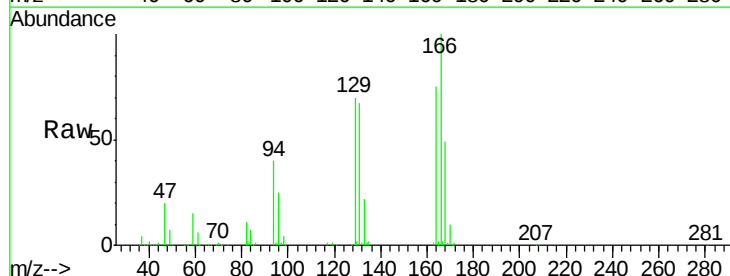
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

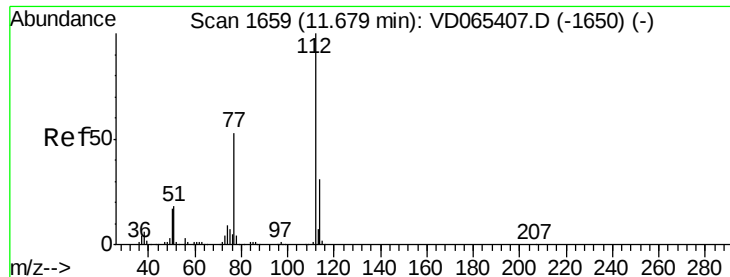
Tgt Ion:117 Resp: 599697
Ion Ratio Lower Upper
117 100
82 52.3 40.6 60.8
119 33.6 25.4 38.2



#64
Tetrachloroethene
Concen: 49.68 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Tgt Ion:164 Resp: 213480
Ion Ratio Lower Upper
164 100
166 132.6 100.5 150.7
129 93.1 71.5 107.3
131 88.3 68.5 102.7





#65

Chlorobenzene

Concen: 52.49 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

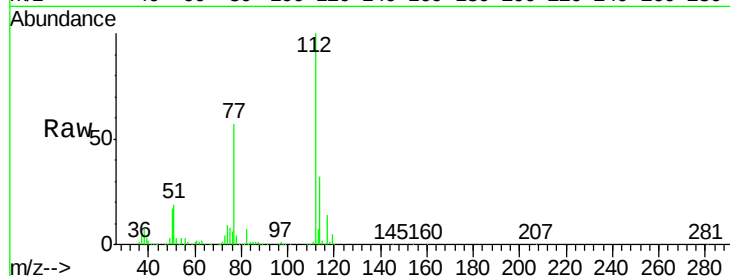
VSTDCCC050EC

Tgt Ion:112 Resp: 622933

Ion Ratio Lower Upper

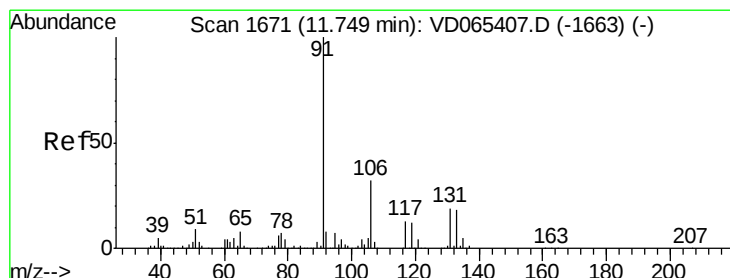
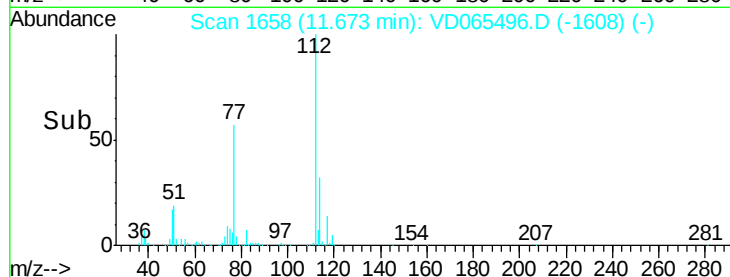
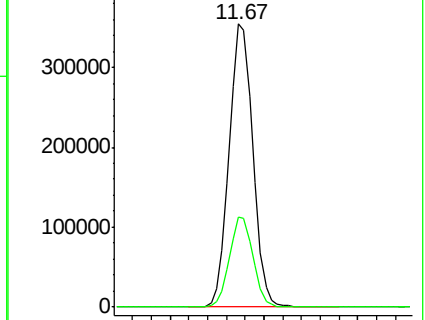
112 100

114 31.7 24.4 36.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.45 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

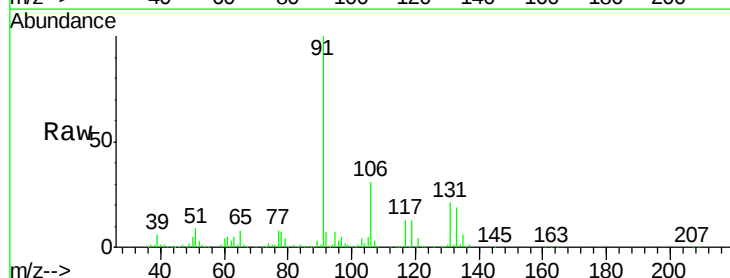
Tgt Ion:131 Resp: 235328

Ion Ratio Lower Upper

131 100

133 95.3 49.2 147.6

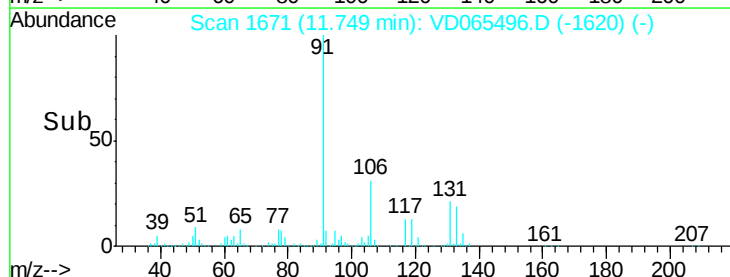
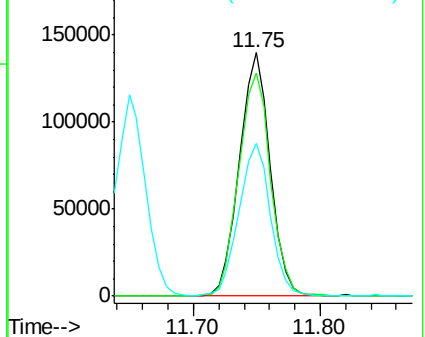
119 64.1 33.3 99.8

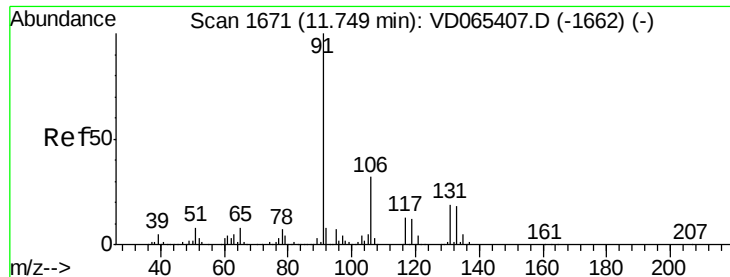


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 53.53 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

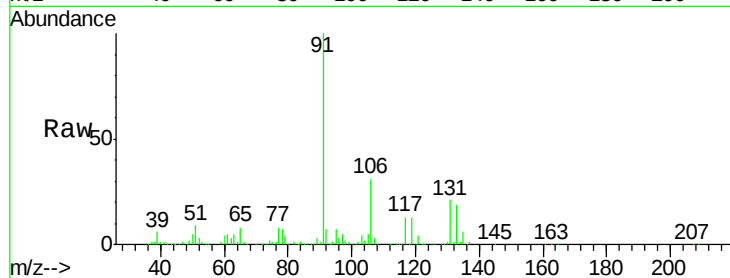
VSTDCCC050EC

Tgt Ion: 91 Resp: 1097658

Ion Ratio Lower Upper

91 100

106 31.2 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VD065407.D (-1662) (-)

Ion 106.00 (105.70 to 106.70): VD065407.D (-1662) (-)

1000000

800000

600000

400000

200000

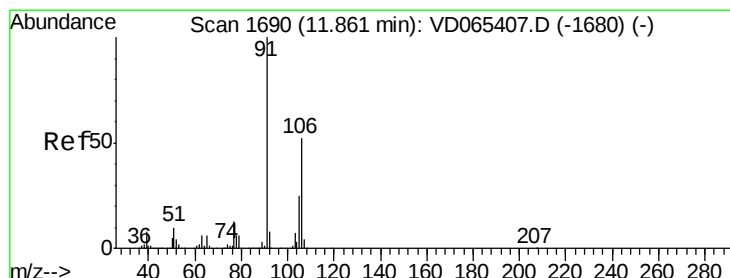
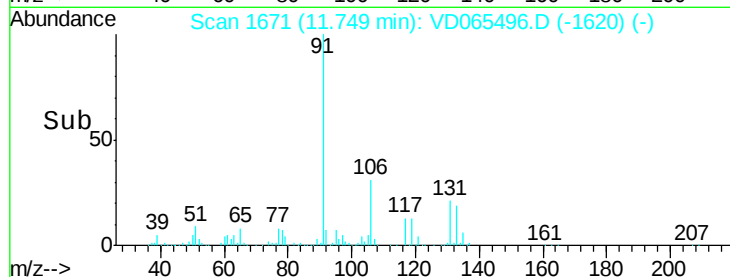
0

11.70

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 107.56 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065496.D

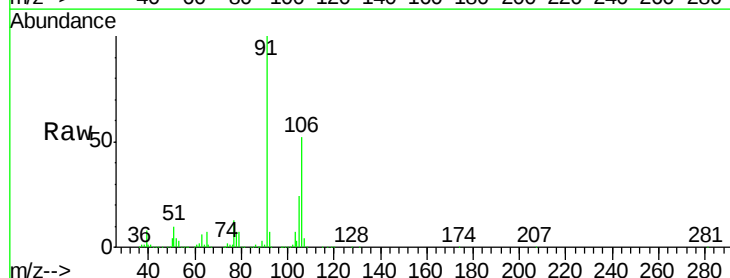
Acq: 12 Mar 2020 21:09

Tgt Ion: 106 Resp: 850400

Ion Ratio Lower Upper

106 100

91 194.7 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): VD065407.D (-1680) (-)

Ion 91.00 (90.70 to 91.70): VD065407.D (-1680) (-)

1000000

800000

600000

400000

200000

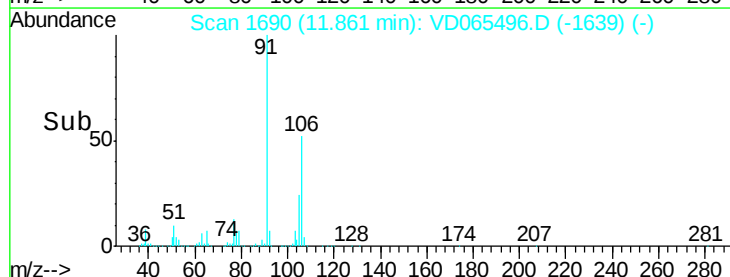
0

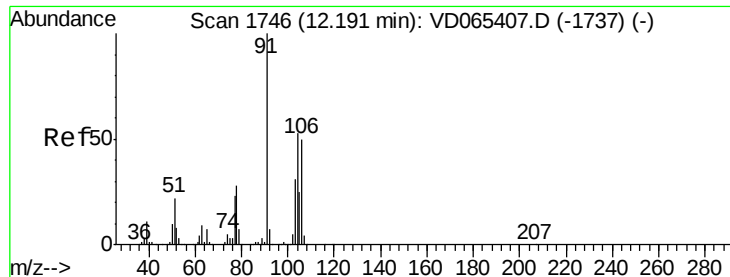
11.80

11.86

11.90

Time-->

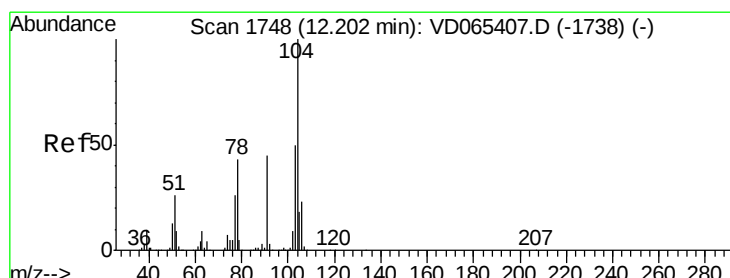
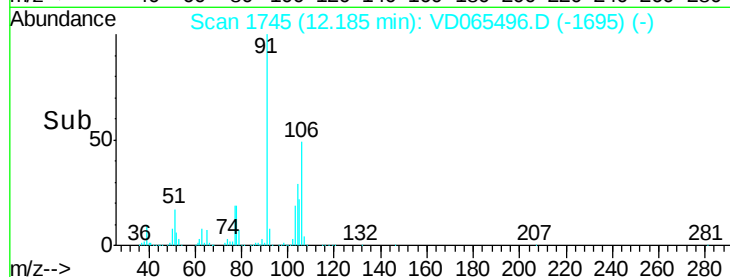
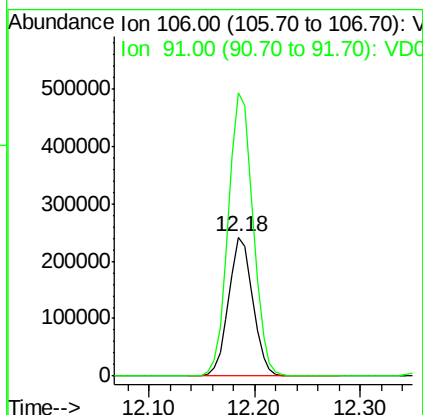
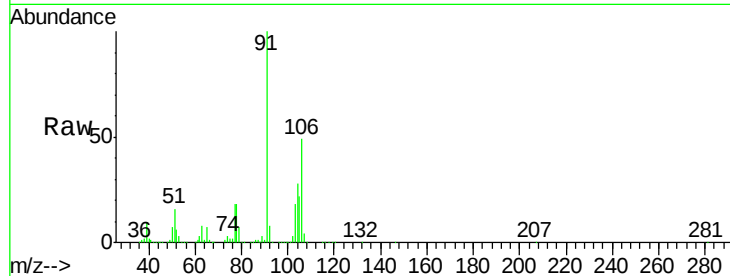




#69
o-Xylene
Concen: 55.07 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

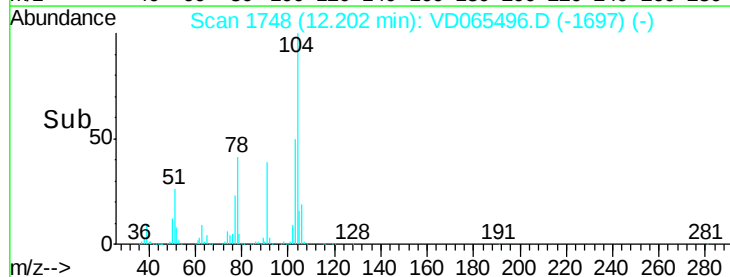
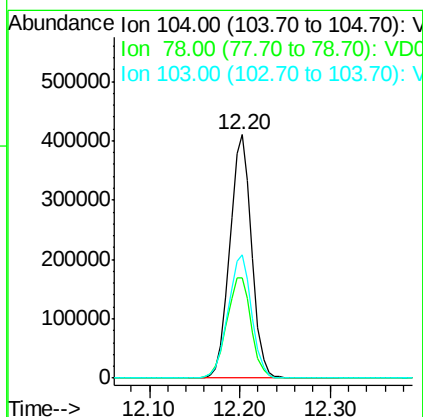
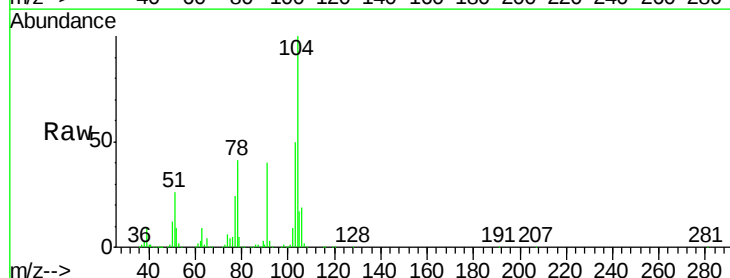
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

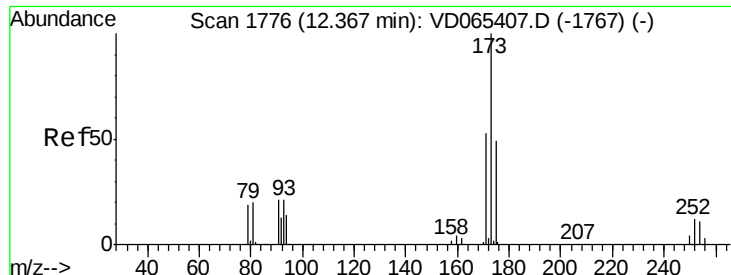
Tgt Ion:106 Resp: 382990
Ion Ratio Lower Upper
106 100
91 208.4 103.5 310.3



#70
Styrene
Concen: 56.16 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Tgt Ion:104 Resp: 687474
Ion Ratio Lower Upper
104 100
78 46.2 37.7 56.5
103 54.6 43.6 65.4

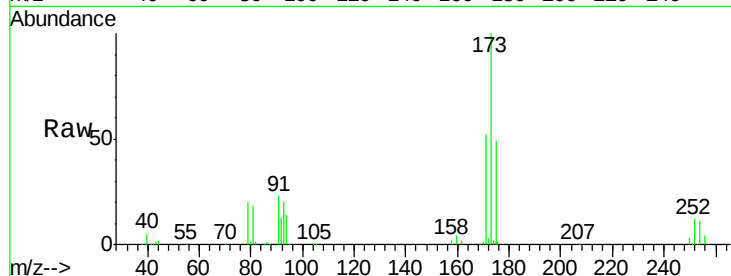




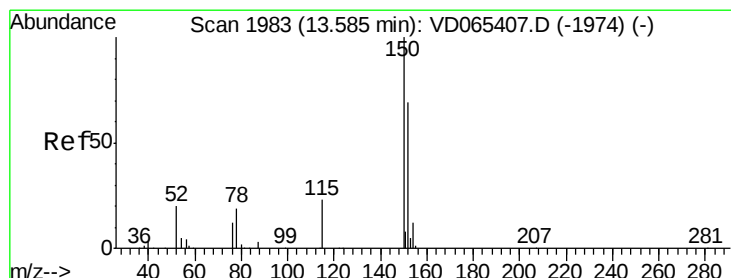
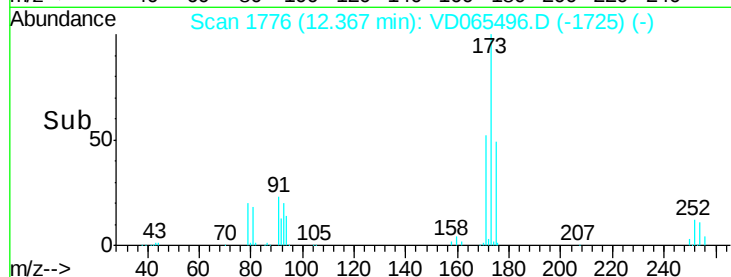
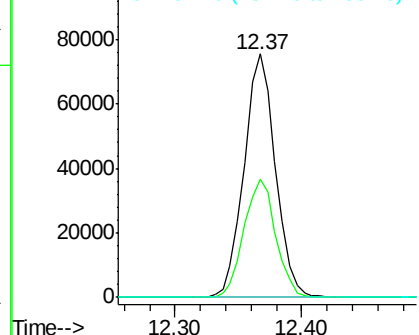
#71
Bromoform
Concen: 53.40 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 129633
Ion Ratio Lower Upper
173 100
175 49.0 24.3 73.0
254 0.1 0.1 0.1#

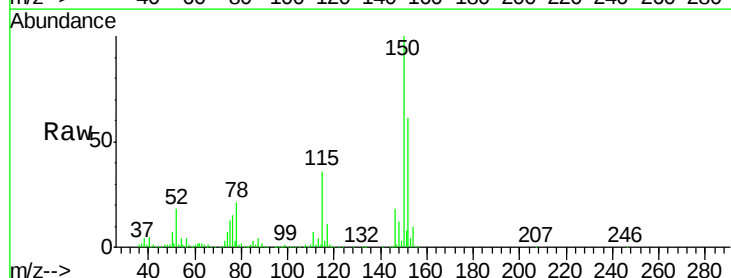


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

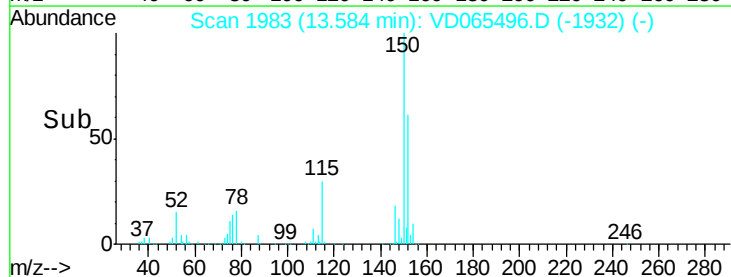
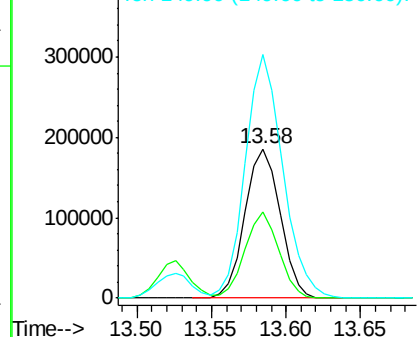


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Tgt Ion:152 Resp: 303910
Ion Ratio Lower Upper
152 100
115 55.8 27.6 82.8
150 173.2 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: 51.79 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

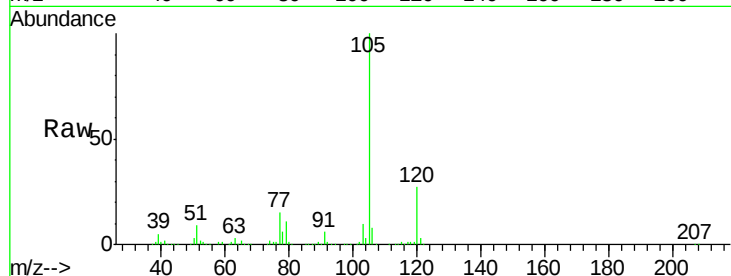
VSTDCCC050EC

Tgt Ion: 105 Resp: 1035279

Ion Ratio Lower Upper

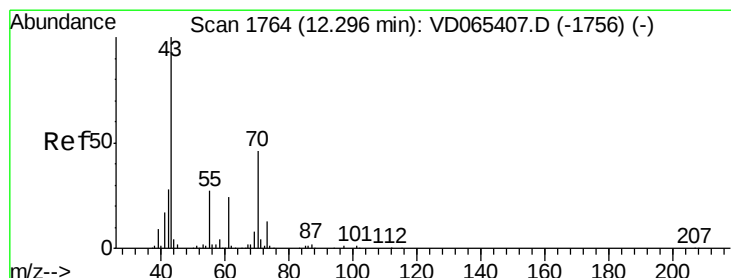
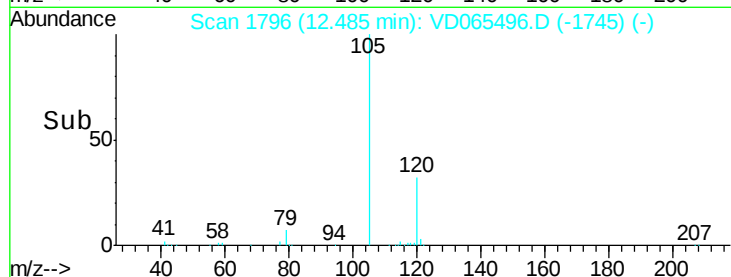
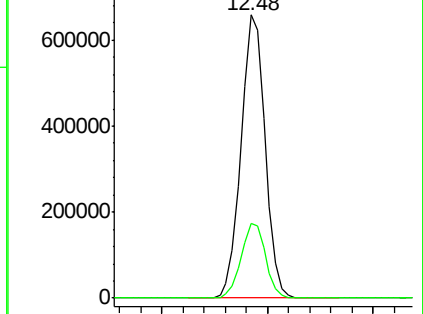
105 100

120 26.8 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: 53.89 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Tgt Ion: 43 Resp: 220555

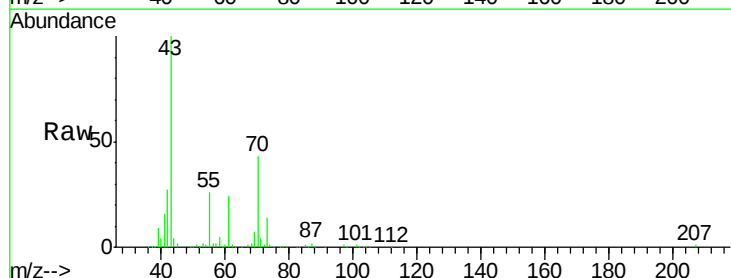
Ion Ratio Lower Upper

43 100

70 44.8 36.1 54.1

55 27.7 21.6 32.4

61 24.6 19.6 29.4

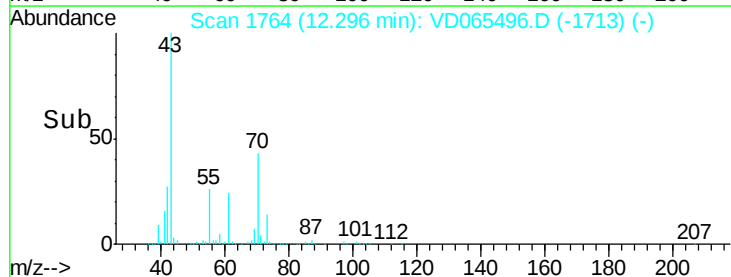
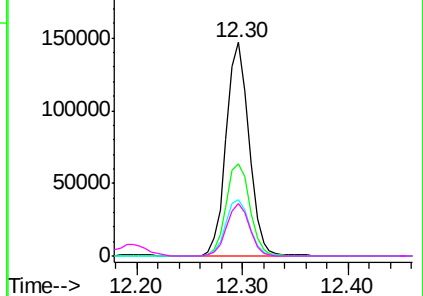


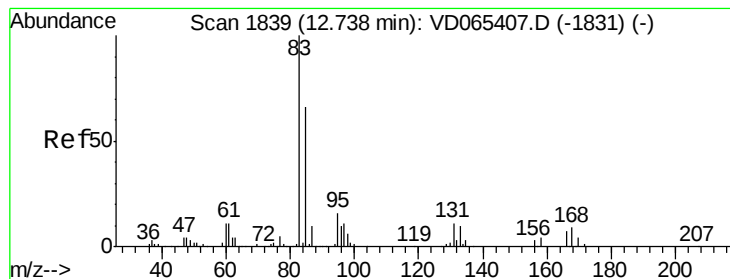
Abundance Ion 43.00 (42.70 to 43.70): V

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: 52.08 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

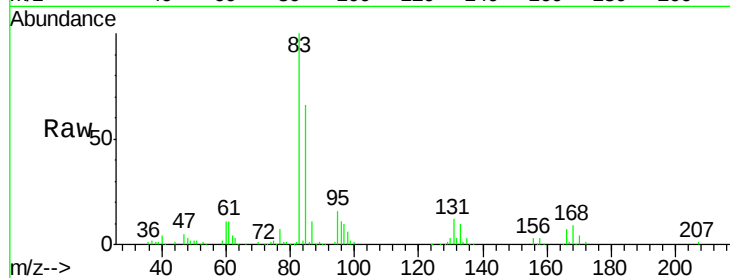
Tgt Ion: 83 Resp: 182984

Ion Ratio Lower Upper

83 100

131 11.4 5.4 16.2

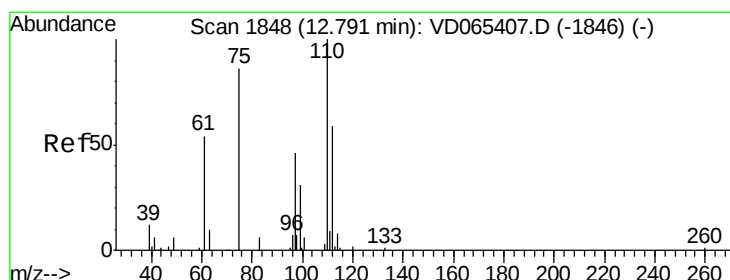
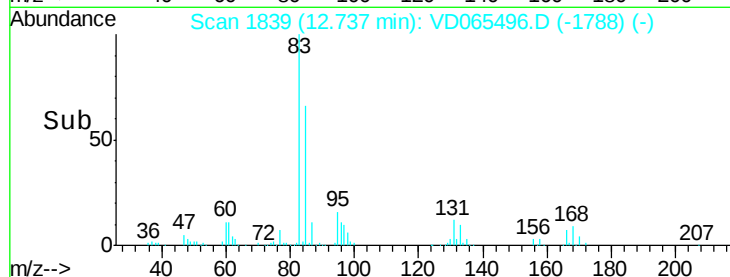
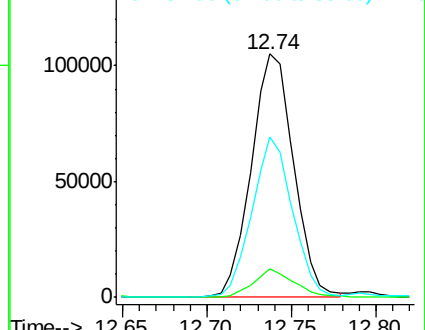
85 63.0 33.0 98.9



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: 95.08 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065496.D

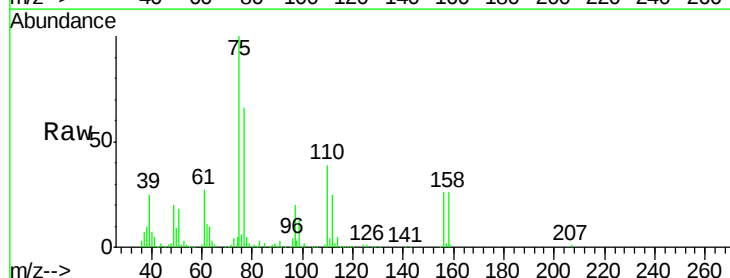
Acq: 12 Mar 2020 21:09

Tgt Ion: 75 Resp: 228017

Ion Ratio Lower Upper

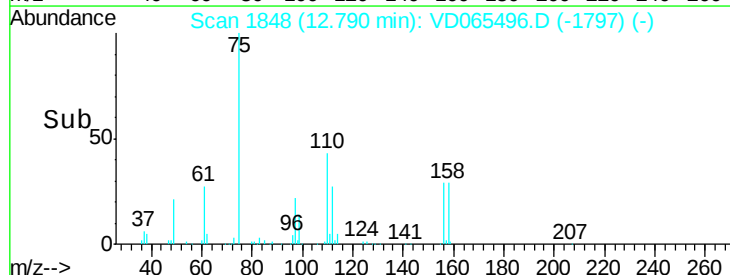
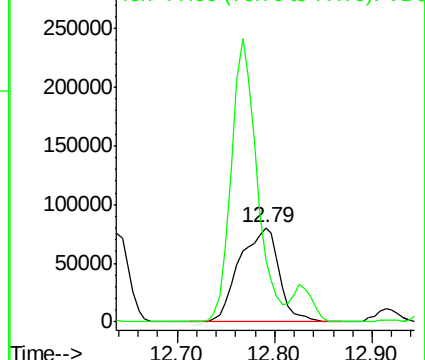
75 100

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: 52.14 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

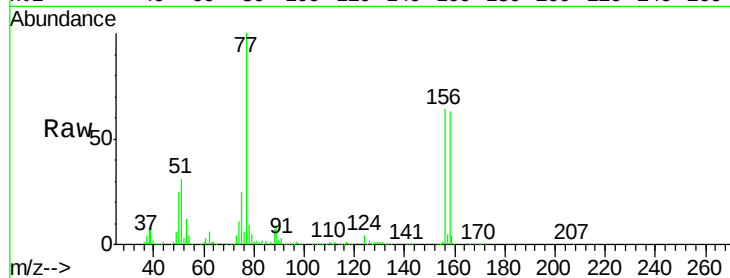
Tgt Ion:156 Resp: 258973

Ion Ratio Lower Upper

156 100

77 170.9 84.9 254.6

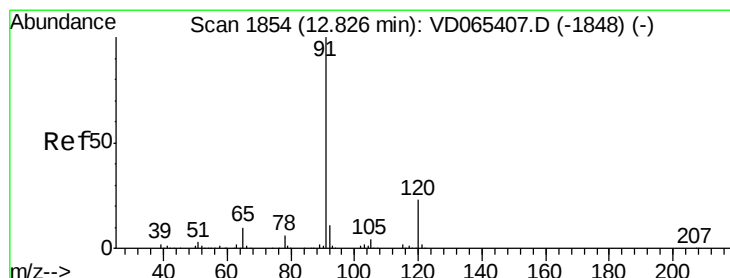
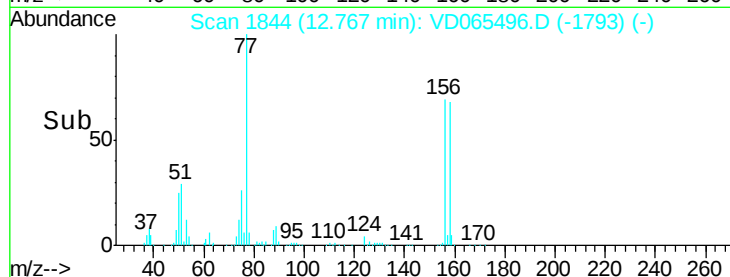
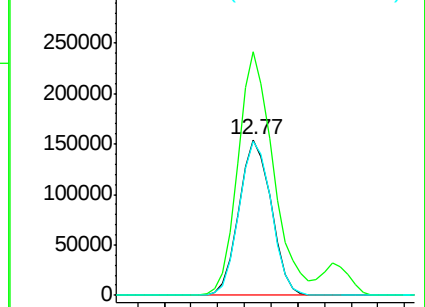
158 98.9 49.0 147.2



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: 51.54 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065496.D

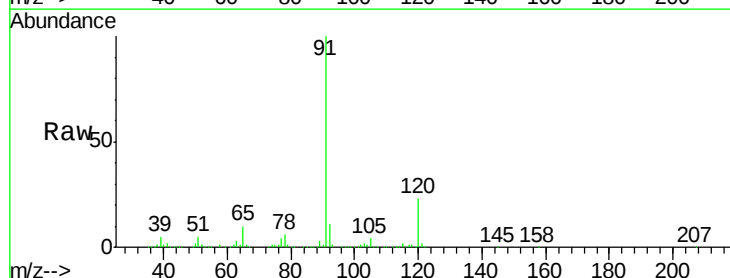
Acq: 12 Mar 2020 21:09

Tgt Ion: 91 Resp: 1222360

Ion Ratio Lower Upper

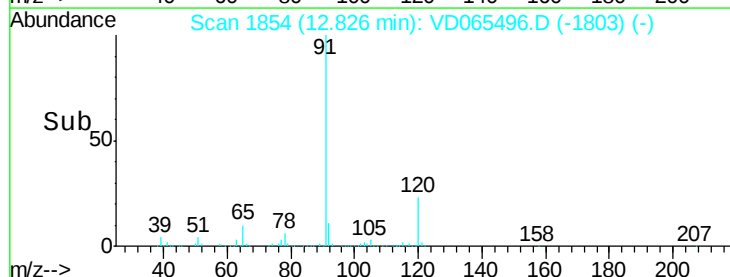
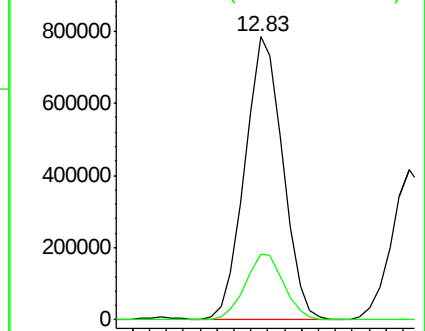
91 100

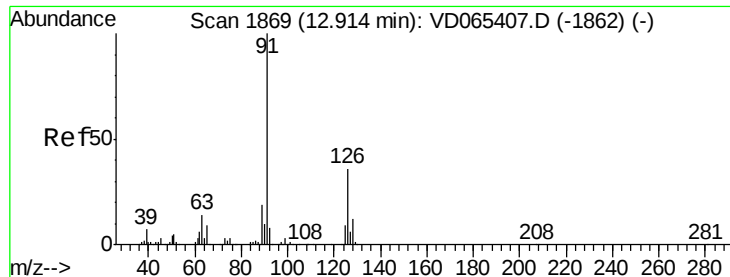
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

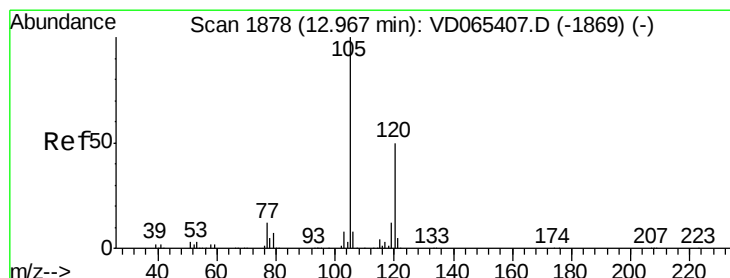
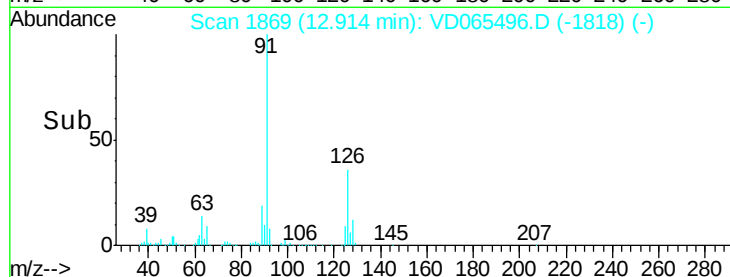
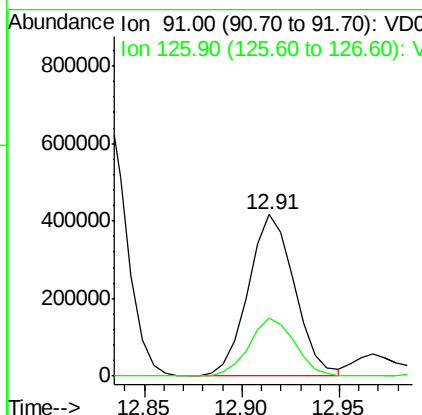
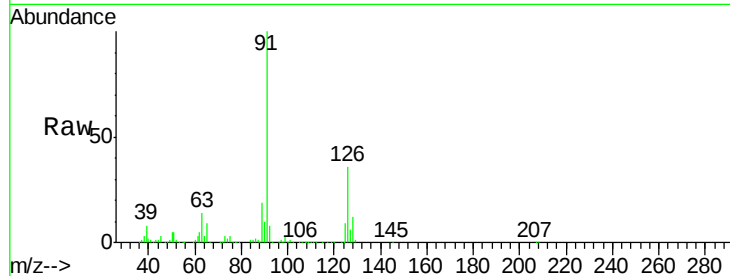




#79
 2-Chlorotoluene
 Concen: 51.25 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

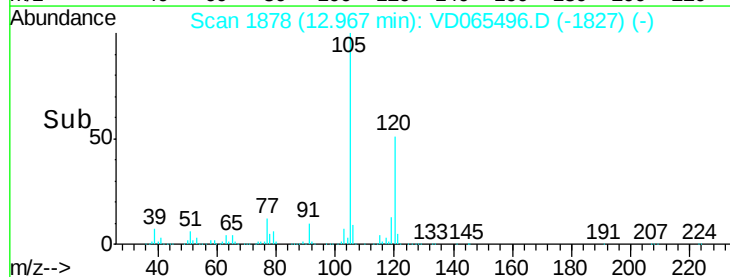
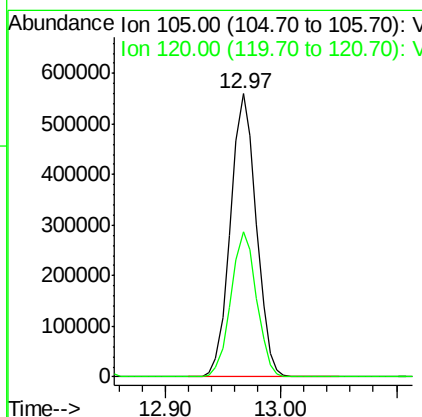
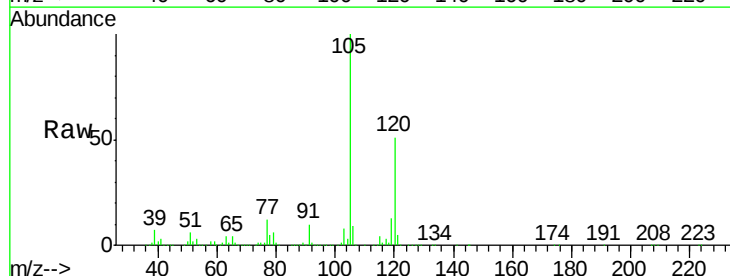
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

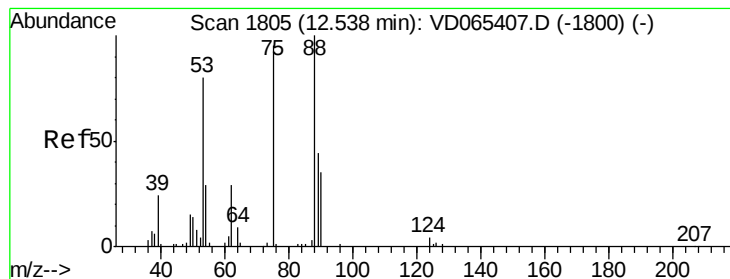
Tgt Ion: 91 Resp: 685007
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 52.68 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Tgt Ion: 105 Resp: 865778
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 48.88 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

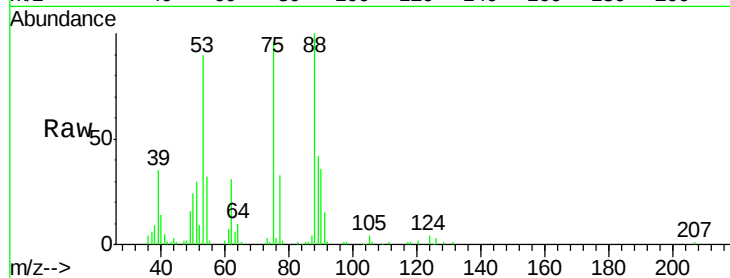
Tgt Ion: 75 Resp: 55551

Ion Ratio Lower Upper

75 100

53 93.5 71.3 106.9

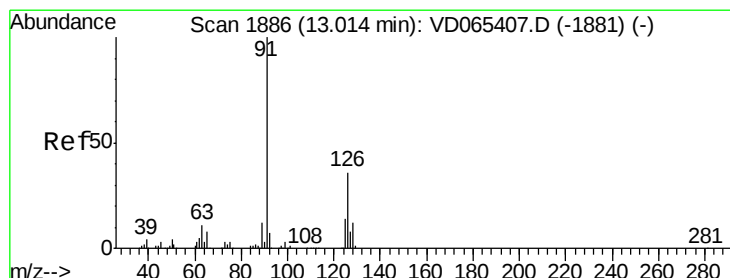
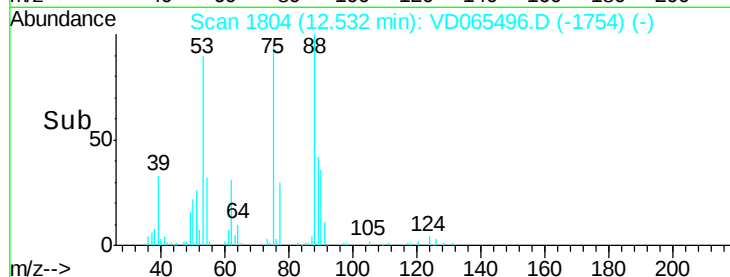
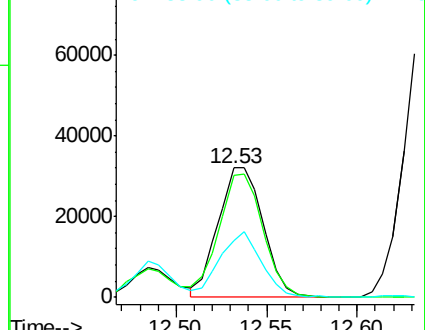
89 46.5 37.0 55.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 51.61 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065496.D

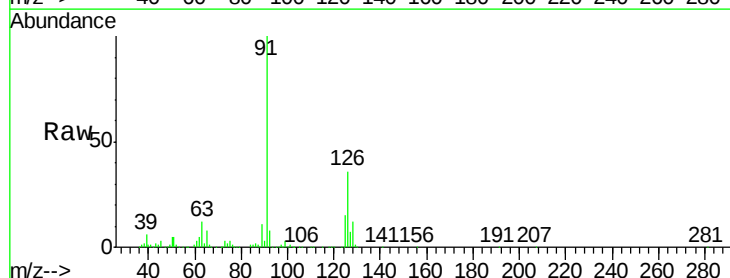
Acq: 12 Mar 2020 21:09

Tgt Ion: 91 Resp: 724887

Ion Ratio Lower Upper

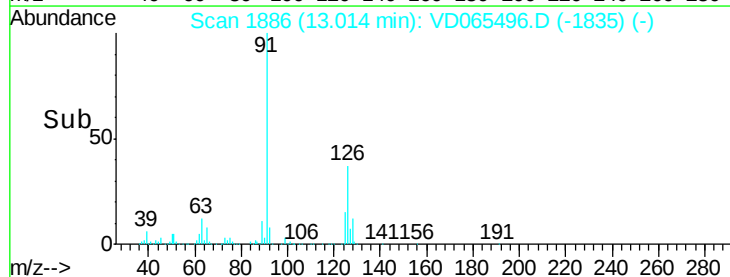
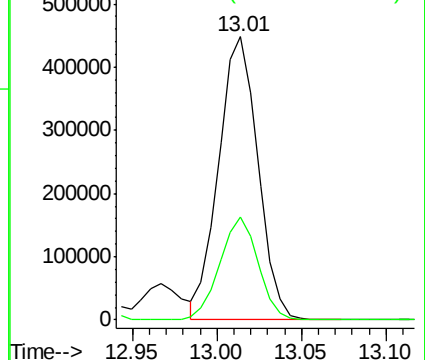
91 100

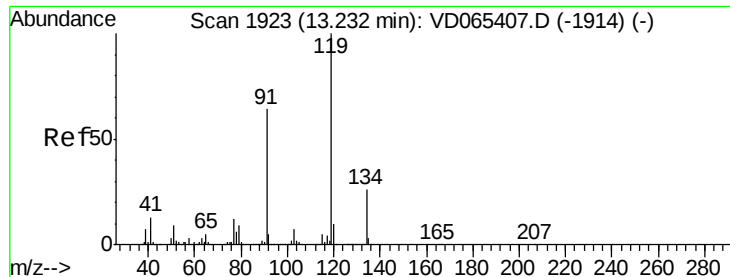
126 35.7 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

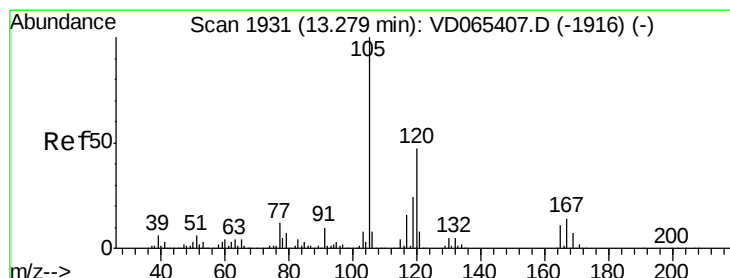
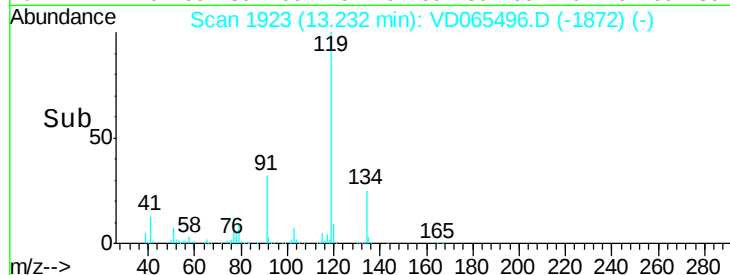
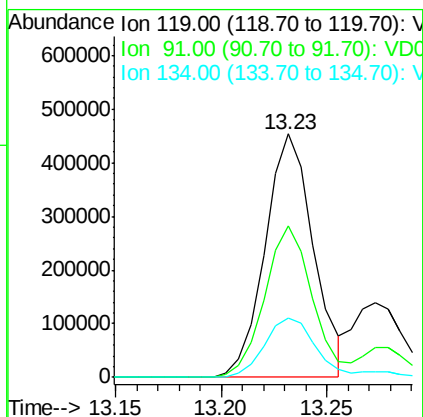
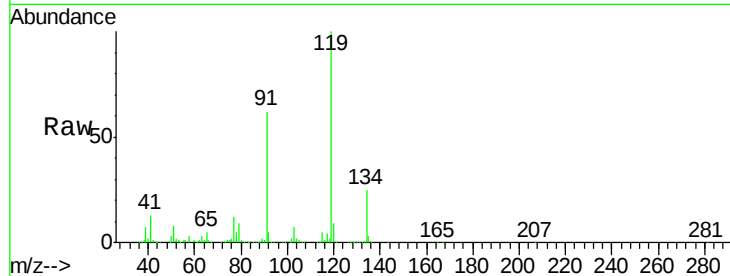




#83
 tert-Butylbenzene
 Concen: 51.93 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

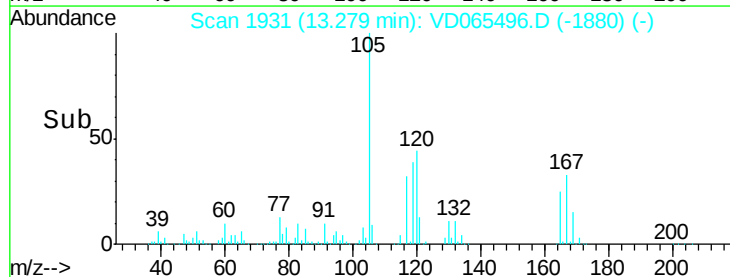
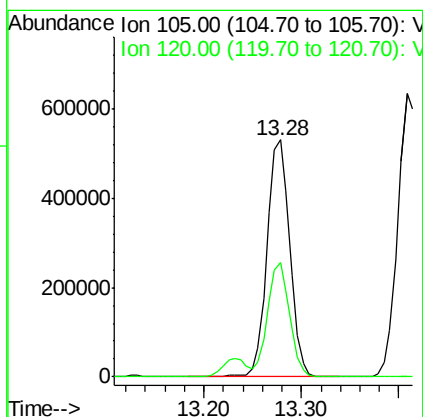
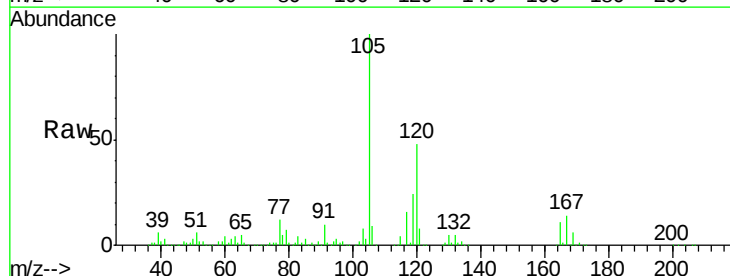
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:119 Resp: 721956
 Ion Ratio Lower Upper
 119 100
 91 61.8 31.6 95.0
 134 27.6 14.2 42.8



#84
 1,2,4-Trimethylbenzene
 Concen: 53.62 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Tgt Ion:105 Resp: 868582
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.4 70.3

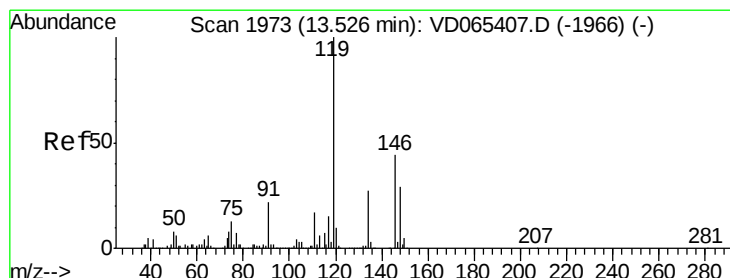
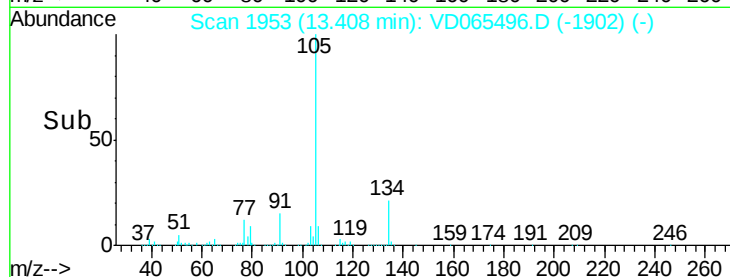
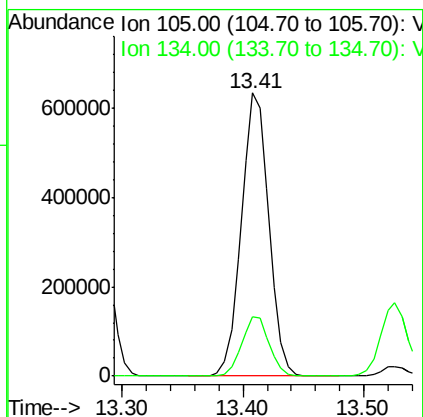
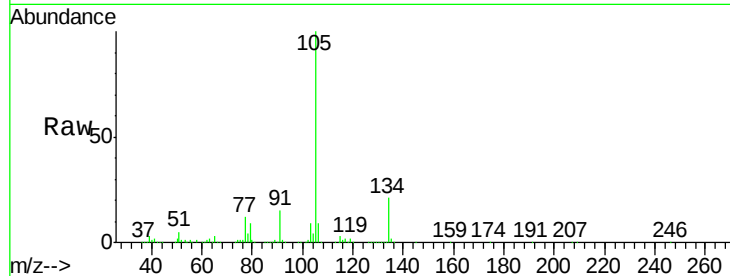




#85
 sec-Butylbenzene
 Concen: 50.51 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

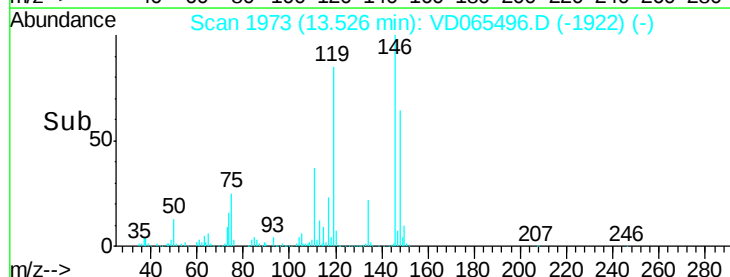
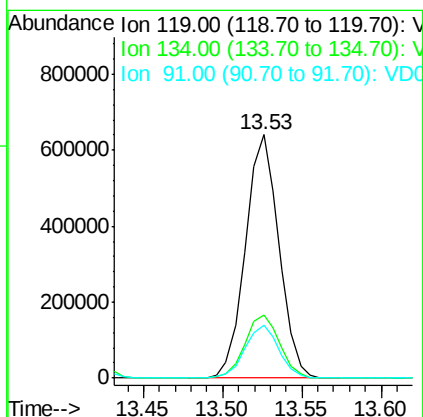
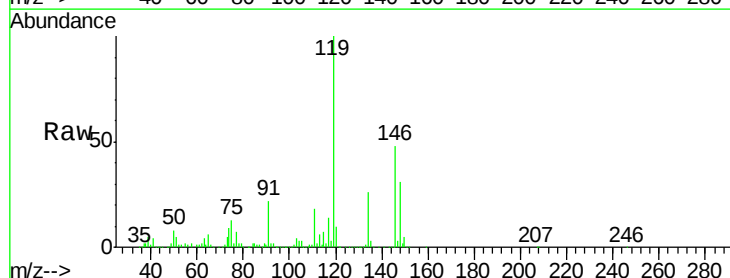
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

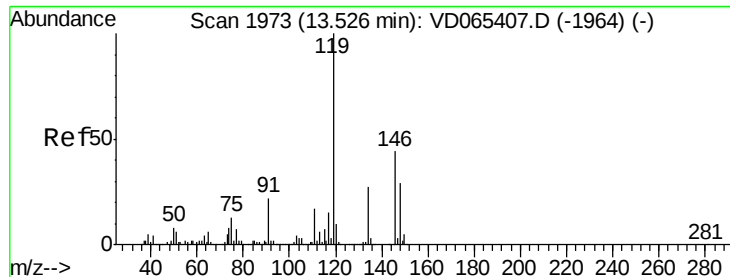
Tgt Ion:105 Resp: 1002491
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 51.84 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Tgt Ion:119 Resp: 938691
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.9
 91 21.8 10.9 32.6

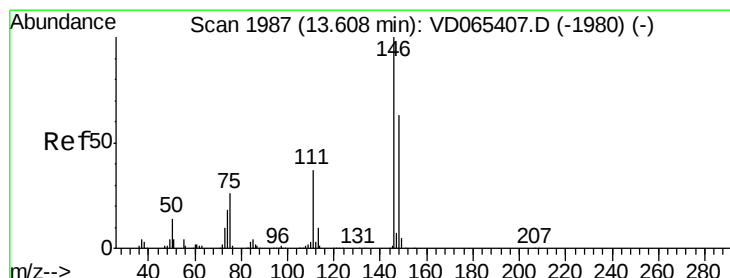
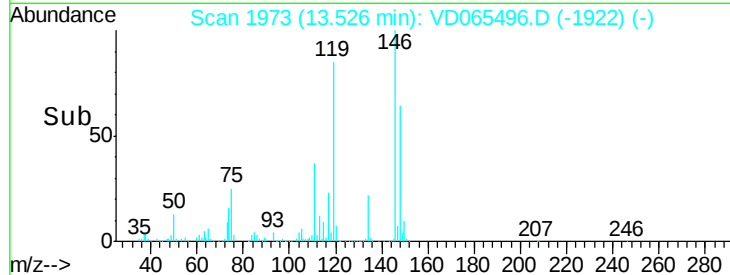
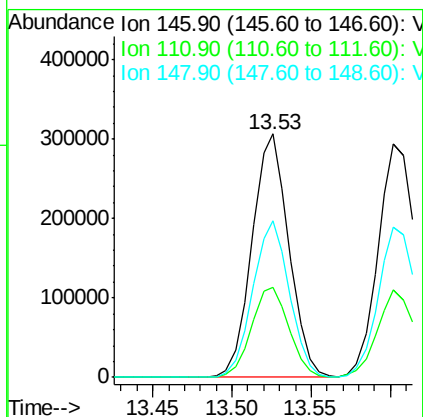
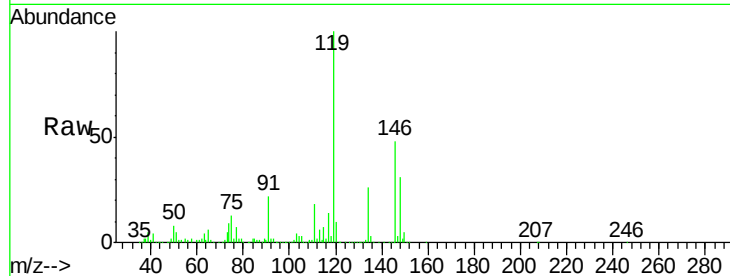




#87
 1,3-Dichlorobenzene
 Concen: 51.90 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

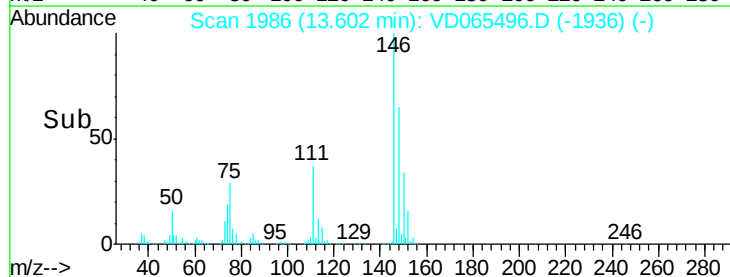
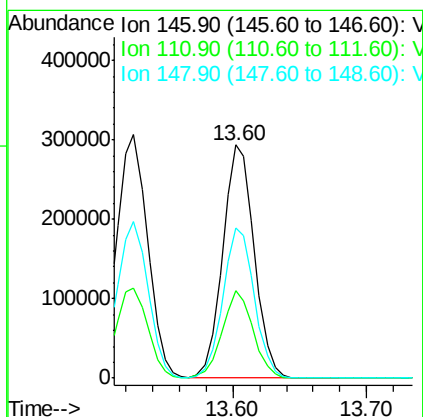
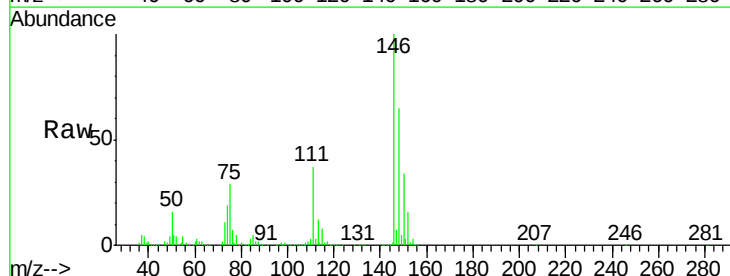
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

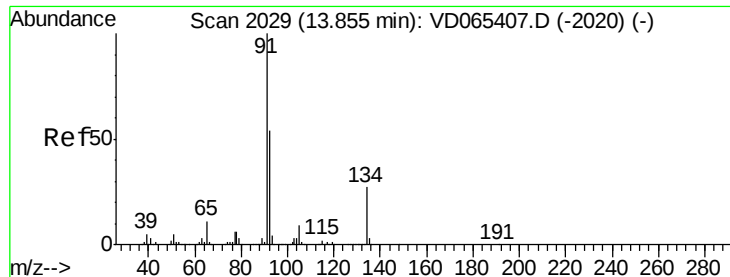
Tgt Ion:146 Resp: 495533
 Ion Ratio Lower Upper
 146 100
 111 37.5 19.1 57.1
 148 64.0 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 50.97 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Tgt Ion:146 Resp: 484133
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.5 55.5
 148 64.3 32.0 96.0





#89

n-Butylbenzene

Concen: 51.28 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

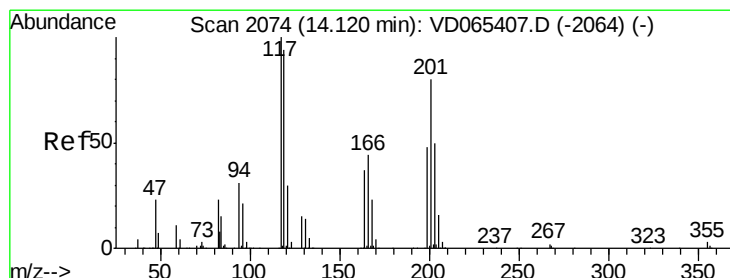
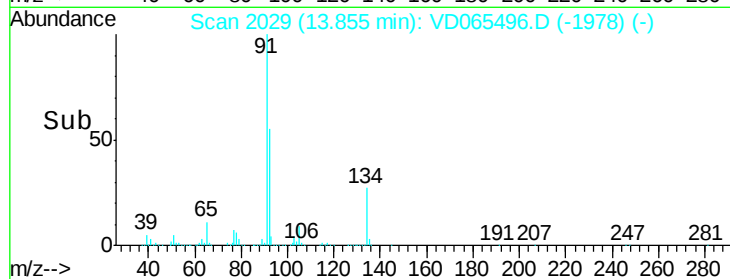
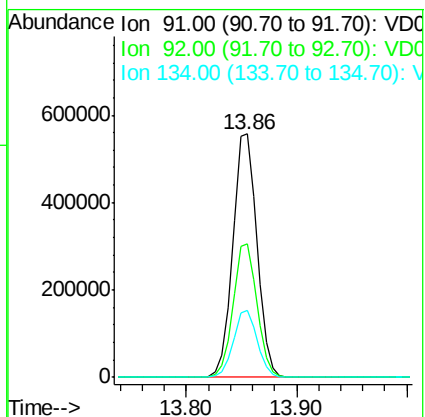
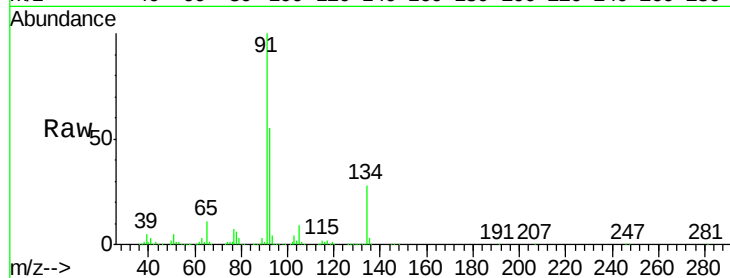
Tgt Ion: 91 Resp: 858487

Ion Ratio Lower Upper

91 100

92 54.2 26.8 80.4

134 27.0 13.4 40.2



#90

Hexachloroethane

Concen: 49.02 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD065496.D

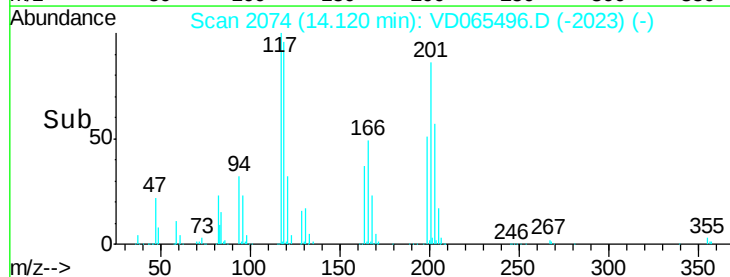
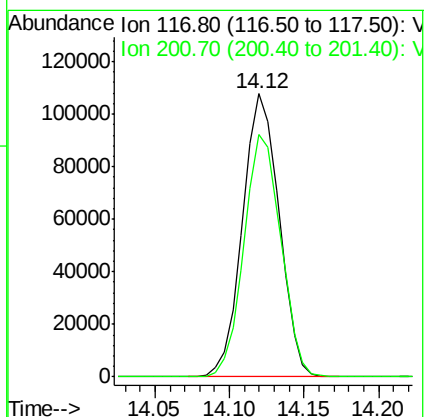
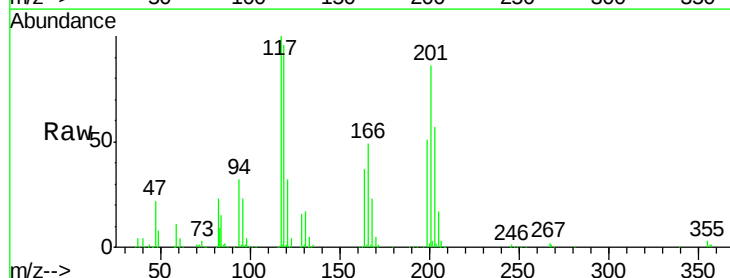
Acq: 12 Mar 2020 21:09

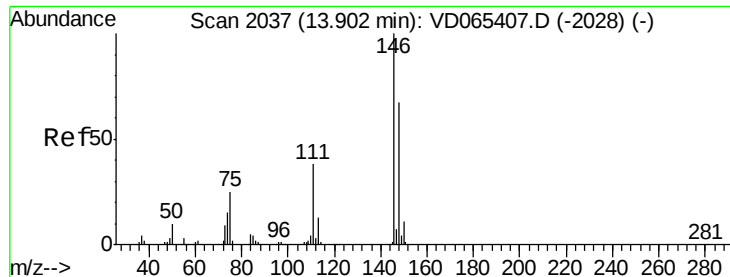
Tgt Ion: 117 Resp: 182804

Ion Ratio Lower Upper

117 100

201 86.1 41.9 125.6





#91

1,2-Dichlorobenzene

Concen: 52.32 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

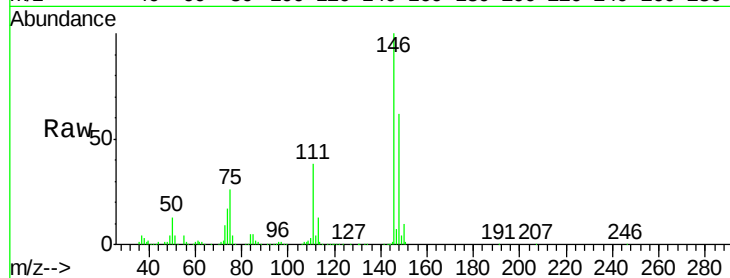
Tgt Ion:146 Resp: 425123

Ion Ratio Lower Upper

146 100

111 39.4 19.8 59.3

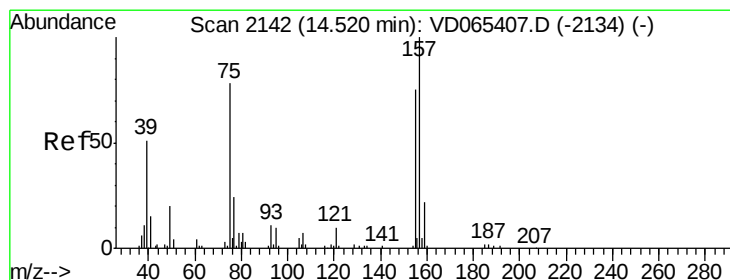
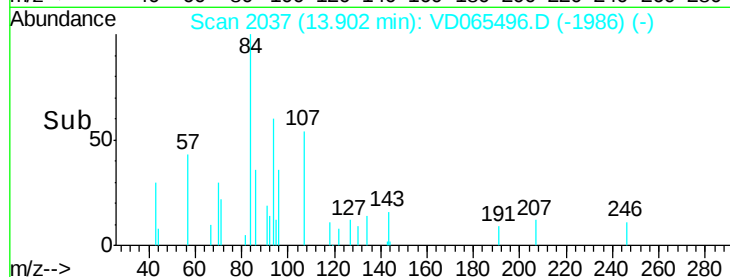
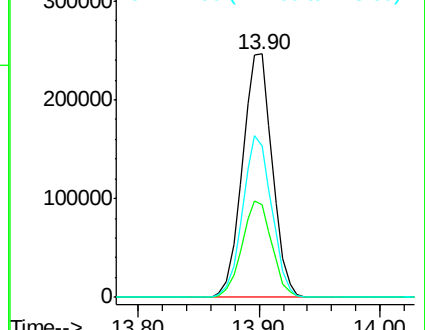
148 64.8 32.6 97.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.40 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

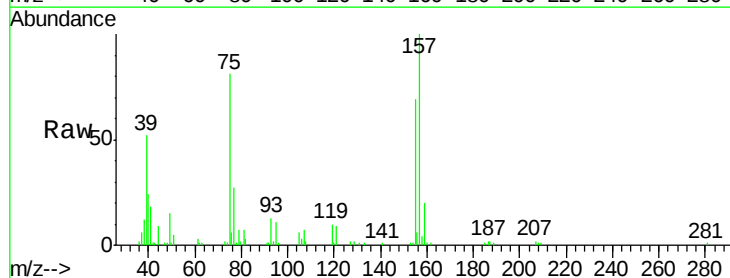
Tgt Ion: 75 Resp: 27507

Ion Ratio Lower Upper

75 100

155 91.6 46.4 139.1

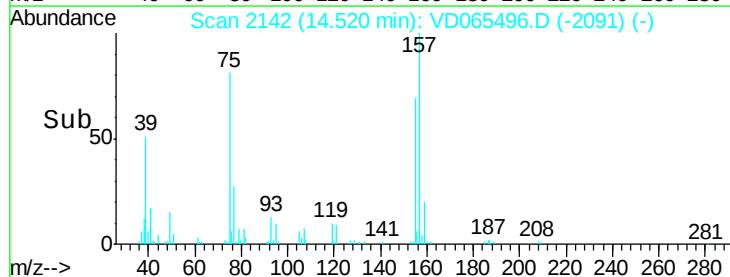
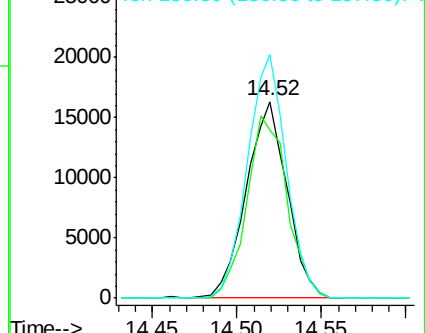
157 117.9 60.2 180.4

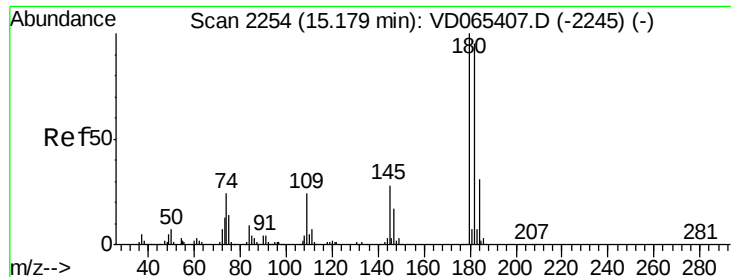


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

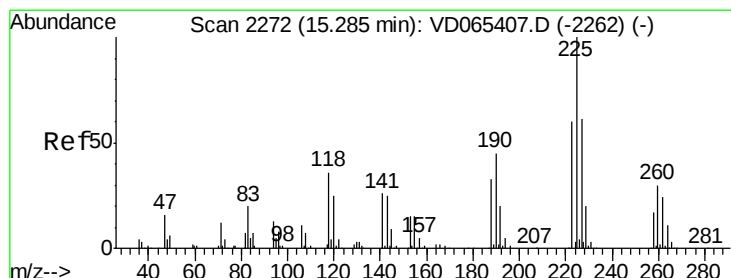
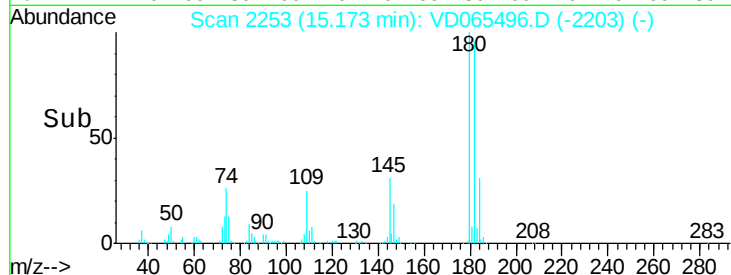
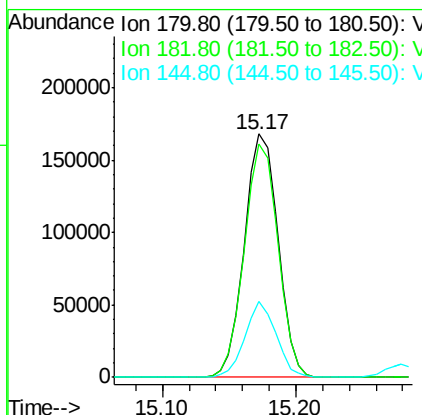
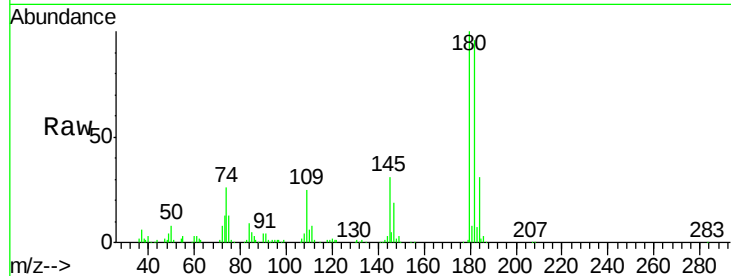




#93
 1,2,4-Trichlorobenzene
 Concen: 53.11 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

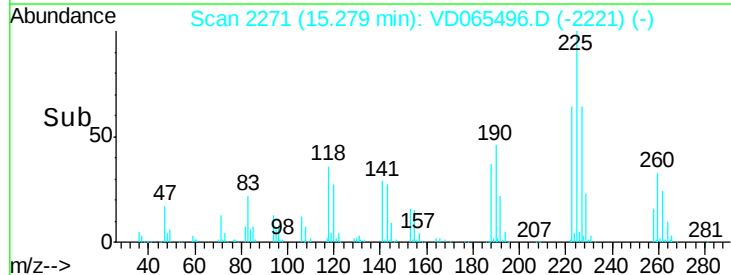
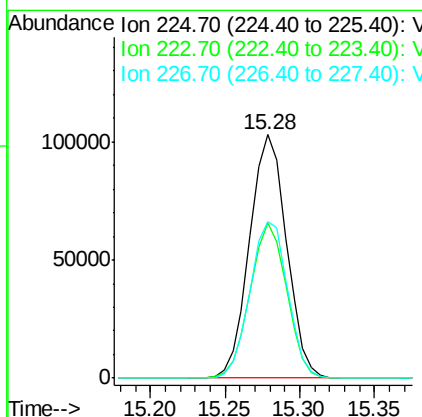
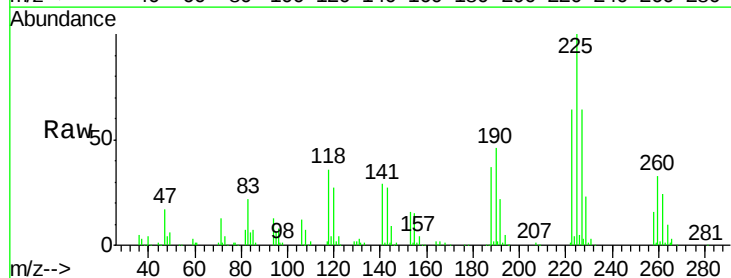
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

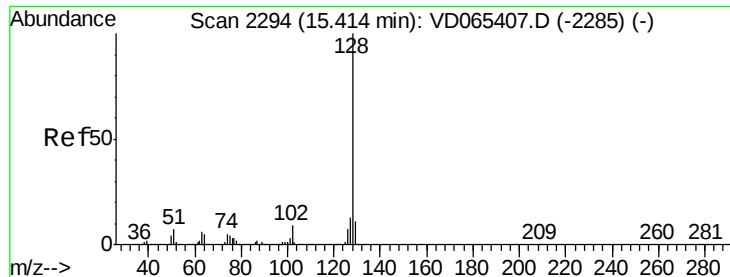
Tgt Ion:180 Resp: 292478
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.3 144.9
 145 28.8 14.4 43.4



#94
 Hexachlorobutadiene
 Concen: 48.66 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Tgt Ion:225 Resp: 176071
 Ion Ratio Lower Upper
 225 100
 223 63.2 30.9 92.5
 227 65.5 31.6 94.7

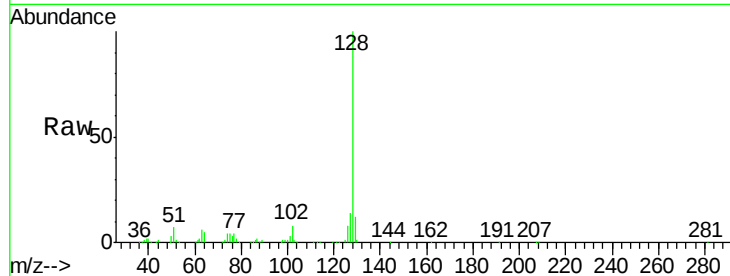




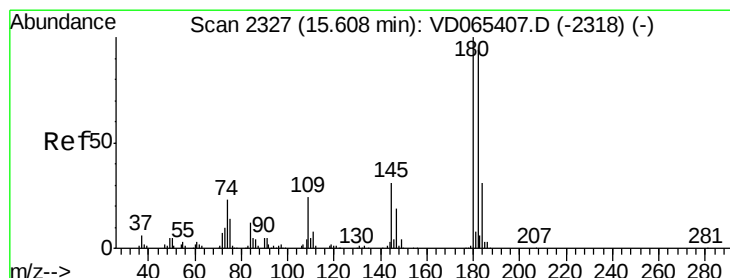
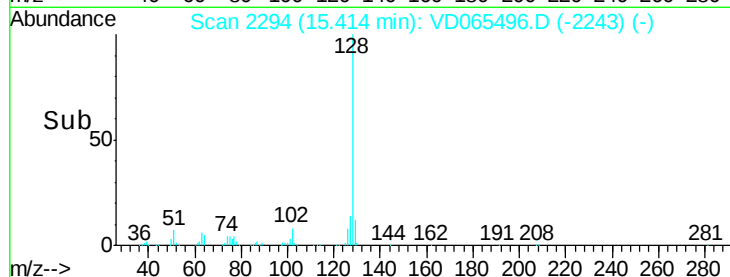
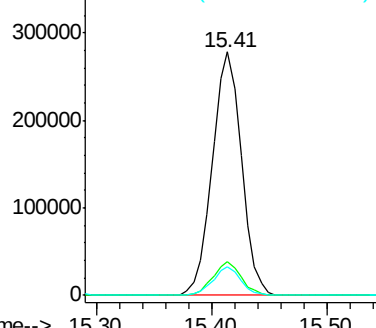
#95
Naphthalene
Concen: 49.77 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 488333
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 11.1 8.7 13.1

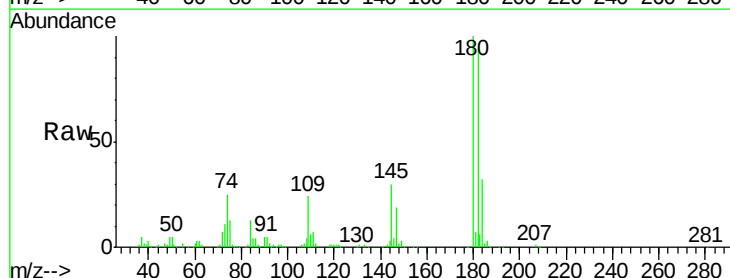


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 54.54 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Tgt Ion:180 Resp: 259554
Ion Ratio Lower Upper
180 100
182 93.9 46.9 140.6
145 30.1 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

