

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072120\
 Data File : VD065985.D
 Acq On : 21 Jul 2020 17:34
 Operator : VA/SY
 Sample : VD0721SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBS01

Quant Time: Jul 22 01:37:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	343978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	515033	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	482995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	244242	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	151759	54.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.44%	
35) Dibromofluoromethane	7.91	113	160758	51.46	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.92%	
50) Toluene-d8	10.34	98	618475	53.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.30%	
62) 4-Bromofluorobenzene	12.64	95	214087	53.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	62206	23.830	ug/l	97
3) Chloromethane	2.20	50	47988	22.526	ug/l	98
4) Vinyl Chloride	2.35	62	44730	22.049	ug/l	94
5) Bromomethane	2.76	94	30900	18.497	ug/l	92
6) Chloroethane	2.92	64	26215	21.647	ug/l #	88
7) Trichlorofluoromethane	3.27	101	107336	21.752	ug/l	98
8) Diethyl Ether	3.70	74	31550	23.132	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	67014	22.492	ug/l	100
10) Methyl Iodide	4.30	142	60605	25.400	ug/l	98
11) Tert butyl alcohol	5.22	59	20289	98.815	ug/l	100
12) 1,1-Dichloroethene	4.07	96	61423	21.597	ug/l	93
13) Acrolein	3.93	56	23556	99.892	ug/l	94
14) Allyl chloride	4.72	41	98587	22.176	ug/l	99
15) Acrylonitrile	5.42	53	67827	116.401	ug/l	99
16) Acetone	4.16	43	55293	97.598	ug/l	91
17) Carbon Disulfide	4.41	76	201698	21.864	ug/l	100
18) Methyl Acetate	4.72	43	29706	22.540	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	138078	23.630	ug/l	97
20) Methylene Chloride	4.97	84	81884	24.635	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	71718	22.312	ug/l	96
22) Diisopropyl ether	6.36	45	201585	23.867	ug/l	98
23) Vinyl Acetate	6.31	43	567080	119.051	ug/l	99
24) 1,1-Dichloroethane	6.27	63	117781	23.015	ug/l	99
25) 2-Butanone	7.21	43	82833	110.187	ug/l	97
26) 2,2-Dichloropropane	7.21	77	99617	21.646	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	79406	23.332	ug/l	97
28) Bromochloromethane	7.55	49	48386	22.277	ug/l	98
29) Tetrahydrofuran	7.57	42	55146	118.892	ug/l	99
30) Chloroform	7.71	83	123579	23.085	ug/l	94
31) Cyclohexane	7.99	56	109890	21.826	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	111118	22.440	ug/l	98
36) 1,1-Dichloropropene	8.11	75	95828	21.801	ug/l	98
37) Ethyl Acetate	7.30	43	37047	22.069	ug/l	95
38) Carbon Tetrachloride	8.10	117	102029	21.392	ug/l	92

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
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 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	114207	21.455	ug/l	98
40) Benzene	8.35	78	270159	21.969	ug/l	97
41) Methacrylonitrile	7.56	41	53033	55.148	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	77659	23.046	ug/l	100
43) Isopropyl Acetate	8.46	43	72044	21.974	ug/l	99
44) Trichloroethene	9.11	130	84306	22.655	ug/l	93
45) 1,2-Dichloropropane	9.39	63	67679	22.724	ug/l	98
46) Dibromomethane	9.48	93	37230	23.221	ug/l	98
47) Bromodichloromethane	9.67	83	93493	22.054	ug/l #	95
48) Methyl methacrylate	9.46	41	36054	21.800	ug/l	94
49) 1,4-Dioxane	9.46	88	9142	492.161	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	189303	114.592	ug/l	99
52) Toluene	10.41	92	182444	22.750	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	87621	22.185	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	111605	23.311	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	52467	23.074	ug/l	92
56) Ethyl methacrylate	10.66	69	60477	22.875	ug/l	97
57) 1,3-Dichloropropane	10.95	76	86368	22.944	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	150795	119.401	ug/l	99
59) 2-Hexanone	10.98	43	130876	114.322	ug/l	98
60) Dibromochloromethane	11.14	129	71446	23.303	ug/l	100
61) 1,2-Dibromoethane	11.25	107	49788	22.709	ug/l	97
64) Tetrachloroethene	10.88	164	72555	22.132	ug/l	96
65) Chlorobenzene	11.67	112	200065	22.623	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	74848	22.922	ug/l	99
67) Ethyl Benzene	11.75	91	335841	22.068	ug/l	98
68) m/p-Xylenes	11.86	106	272091	46.516	ug/l	97
69) o-Xylene	12.18	106	121300	22.800	ug/l	98
70) Styrene	12.20	104	212776	23.277	ug/l	99
71) Bromoform	12.36	173	42684	22.316	ug/l #	96
73) Isopropylbenzene	12.48	105	323072	21.860	ug/l	100
74) N-amyl acetate	12.29	43	69755	22.764	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	56374	23.081	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	69332	37.701	ug/l #	100
77) Bromobenzene	12.77	156	84842	22.463	ug/l	97
78) n-propylbenzene	12.83	91	385575	22.483	ug/l	100
79) 2-Chlorotoluene	12.91	91	218170	22.267	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	275604	22.698	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	17933	22.376	ug/l	97
82) 4-Chlorotoluene	13.01	91	230941	22.331	ug/l	99
83) tert-Butylbenzene	13.23	119	239528	22.544	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	274488	22.914	ug/l	99
85) sec-Butylbenzene	13.41	105	327168	22.355	ug/l	99
86) p-Isopropyltoluene	13.52	119	305376	22.968	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	162047	23.108	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	158766	22.396	ug/l	99
89) n-Butylbenzene	13.85	91	269137	21.770	ug/l	99
90) Hexachloroethane	14.12	117	59070	21.461	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	139038	22.881	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9234	23.068	ug/l	95

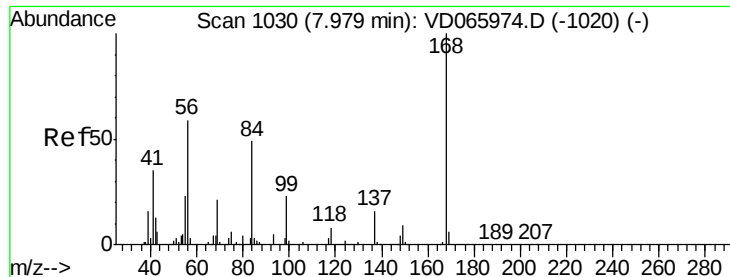
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072120\
Data File : VD065985.D
Acq On : 21 Jul 2020 17:34
Operator : VA/SY
Sample : VD0721SBSD01
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	100456	23.031	ug/l	99
94) Hexachlorobutadiene	15.27	225	59203	21.955	ug/l	98
95) Naphthalene	15.41	128	157570	22.421	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	85888	22.651	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

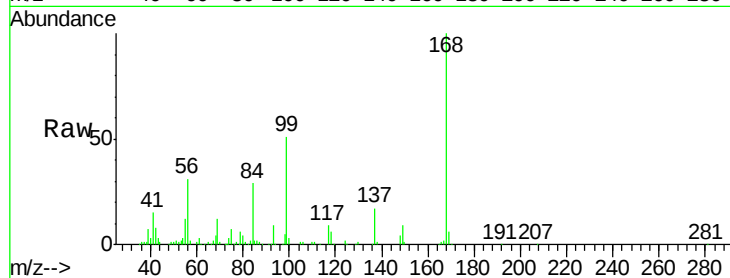
VD0721SBS01

Tot Ion:168 Resp: 343978

Ion Ratio Lower Upper

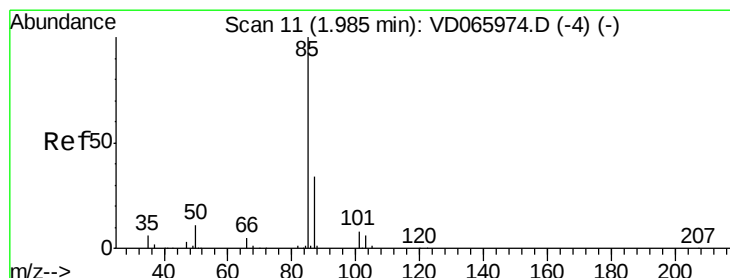
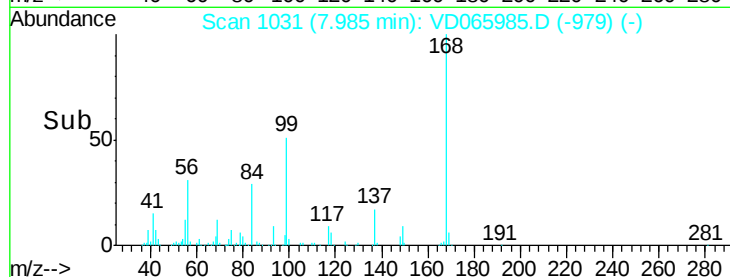
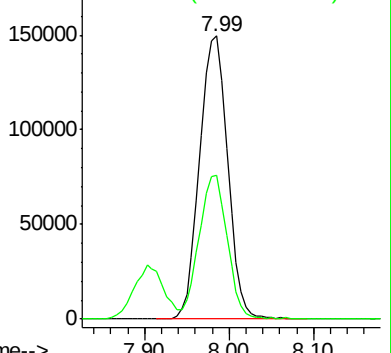
168 100

99 50.4 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 23.830 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065985.D

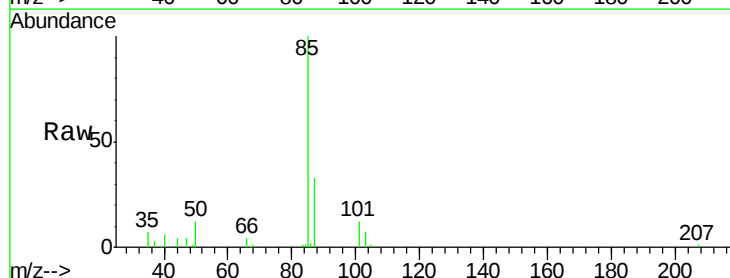
Acq: 21 Jul 2020 17:34

Tgt Ion: 85 Resp: 62206

Ion Ratio Lower Upper

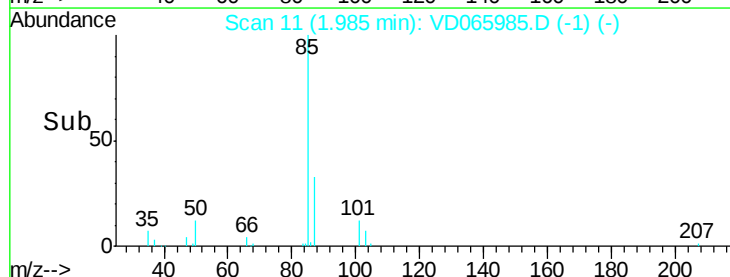
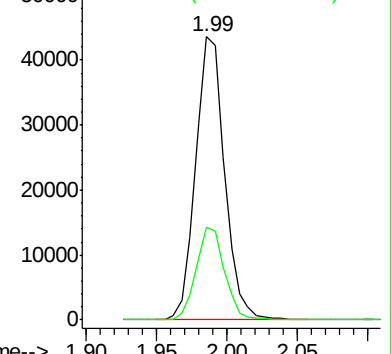
85 100

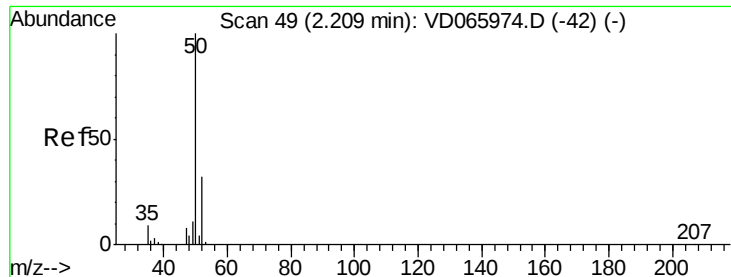
87 32.6 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.526 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

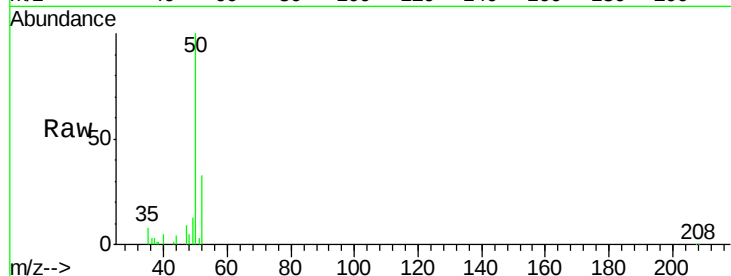
VD0721SBSD01

Tot Ion: 50 Resp: 47988

Ion Ratio Lower Upper

50 100

52 33.4 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.20

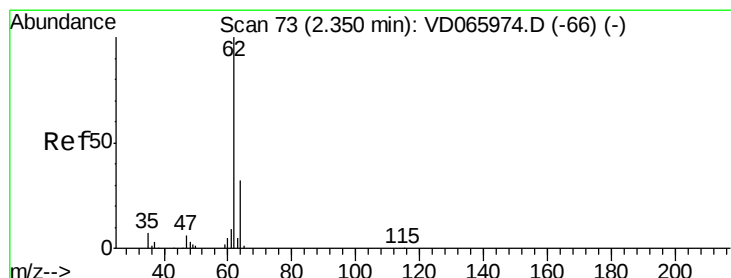
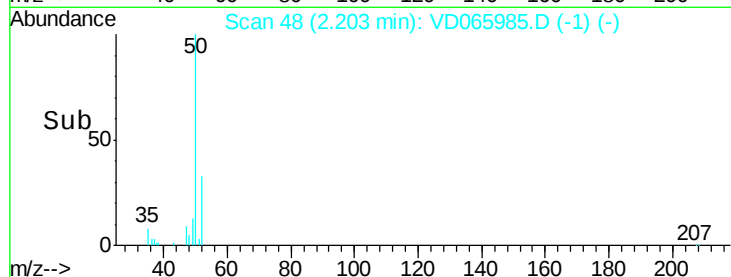
30000

20000

10000

0

Time--> 2.15 2.20 2.25



#4

Vinyl Chloride

Concen: 22.049 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065985.D

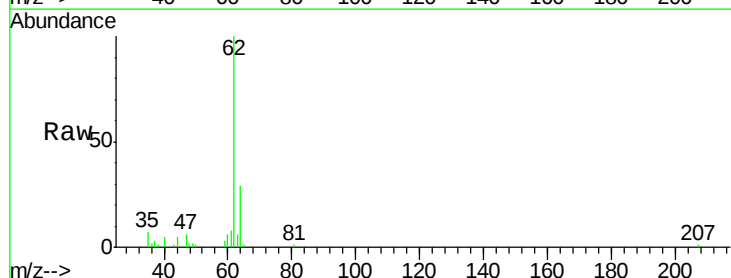
Acq: 21 Jul 2020 17:34

Tgt Ion: 62 Resp: 44730

Ion Ratio Lower Upper

62 100

64 28.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

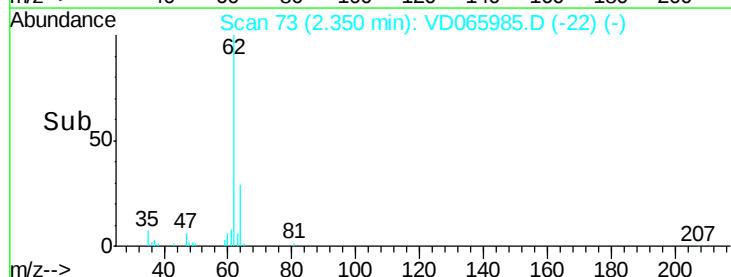
30000

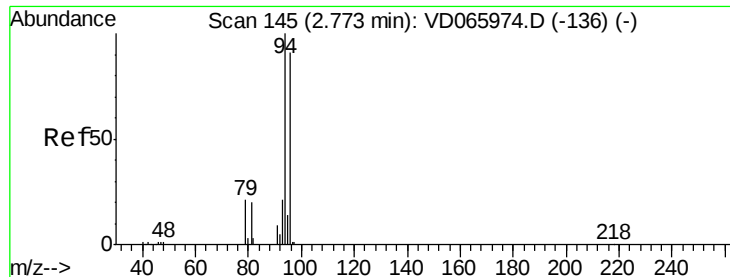
20000

10000

0

Time--> 2.30 2.35 2.40





#5

Bromomethane

Concen: 18.497 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

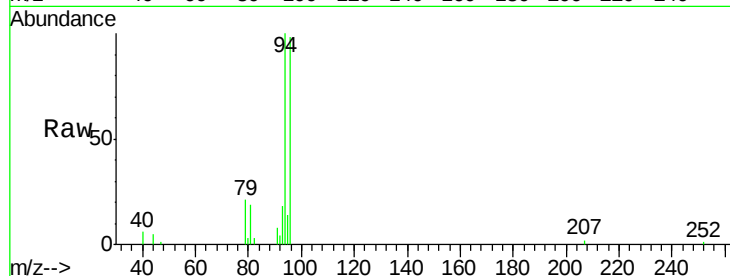
VD0721SBS01

Tot Ion: 94 Resp: 30900

Ion Ratio Lower Upper

94 100

96 98.4 73.0 109.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

15000

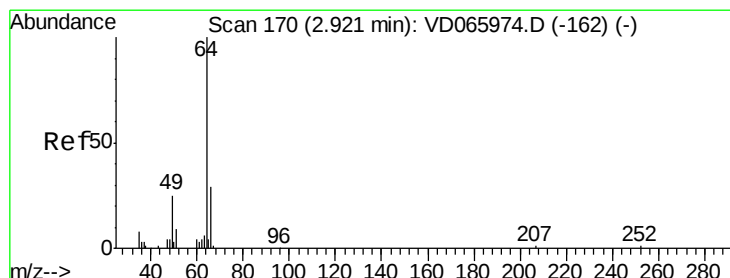
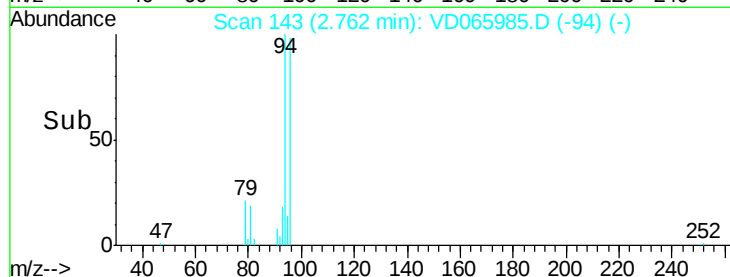
10000

5000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 21.647 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065985.D

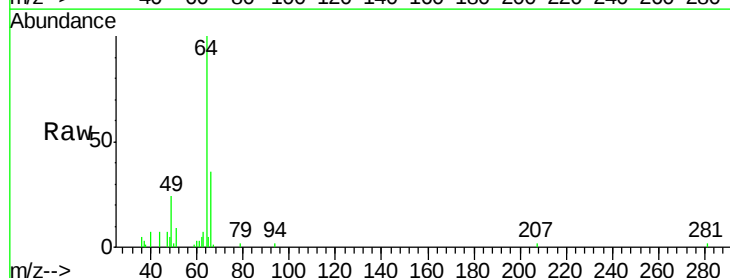
Acq: 21 Jul 2020 17:34

Tgt Ion: 64 Resp: 26215

Ion Ratio Lower Upper

64 100

66 35.6 23.4 35.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

15000

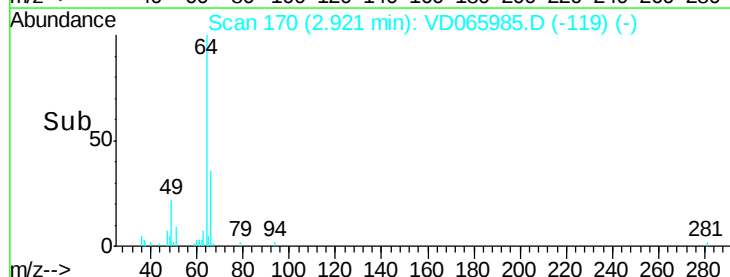
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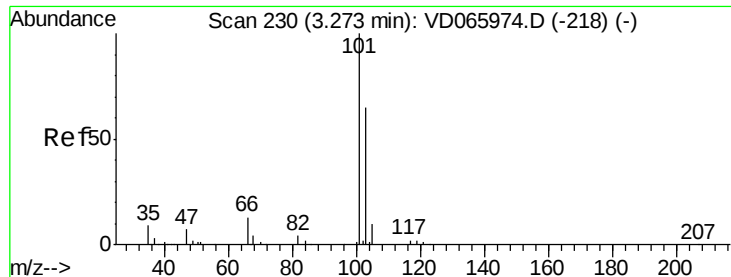
5000

0

Time-->

2.85 2.90 2.95 3.00



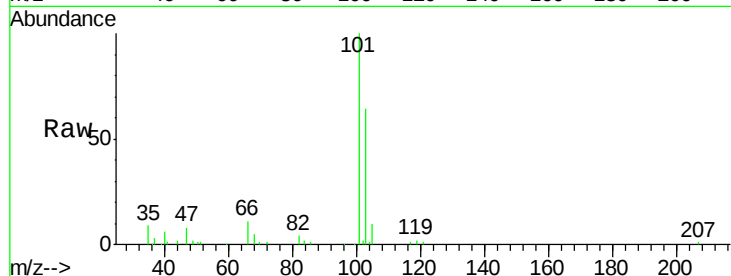


#7

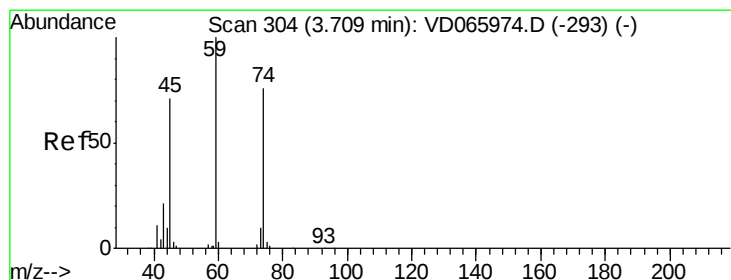
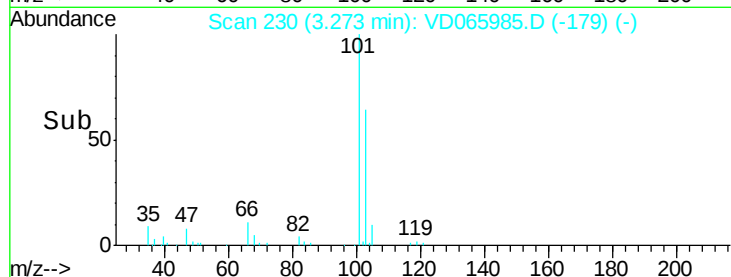
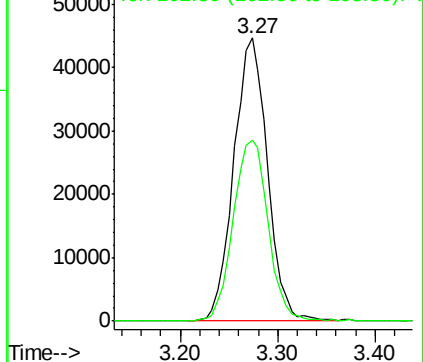
Trichlorofluoromethane
Concen: 21.752 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBSD01

Tot Ion:101 Resp: 107336
Ion Ratio Lower Upper
101 100
103 63.8 52.1 78.1



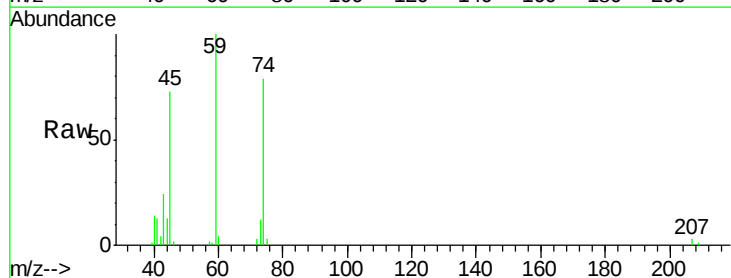
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



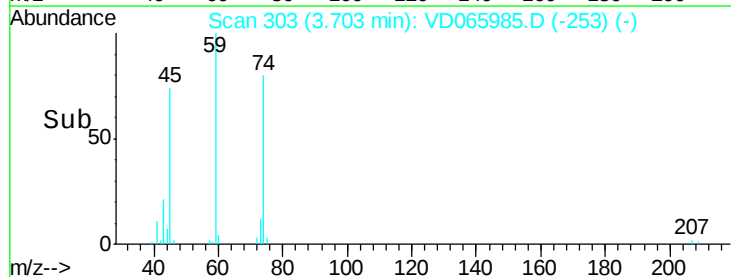
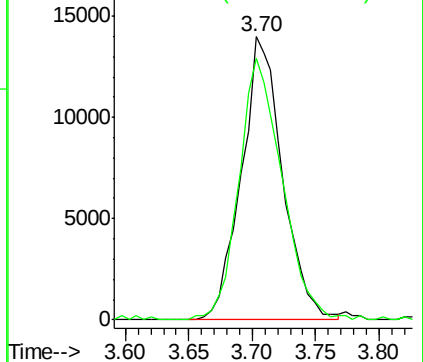
#8

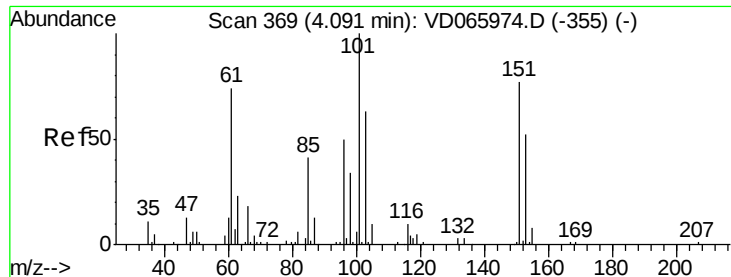
Diethyl Ether
Concen: 23.132 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion: 74 Resp: 31550
Ion Ratio Lower Upper
74 100
45 96.9 49.9 149.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.492 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

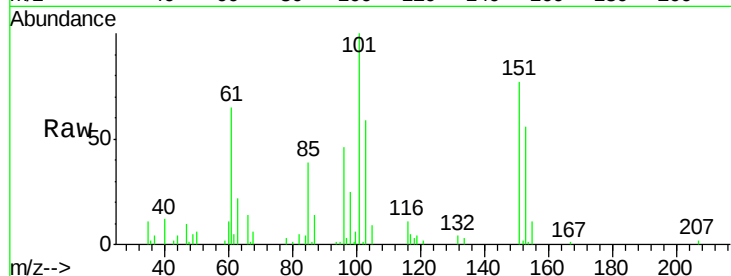
Tot Ion:101 Resp: 67014

Ion Ratio Lower Upper

101 100

85 42.0 33.6 50.4

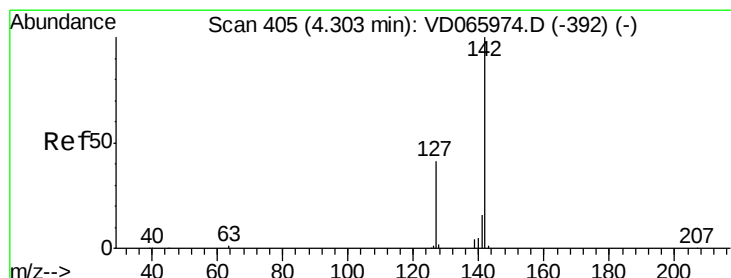
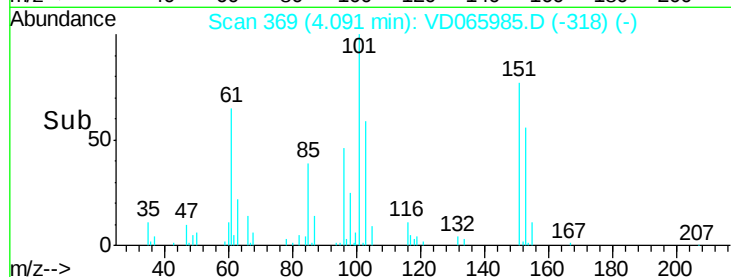
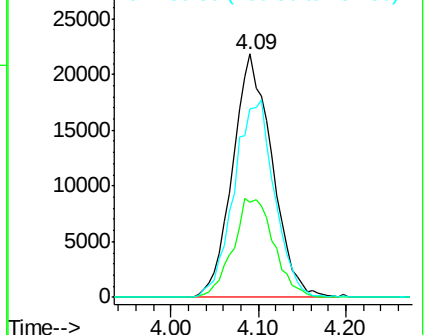
151 83.0 66.6 99.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 25.400 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

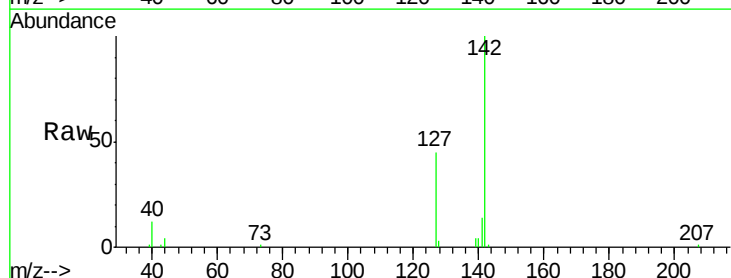
Tgt Ion:142 Resp: 60605

Ion Ratio Lower Upper

142 100

127 42.5 32.9 49.3

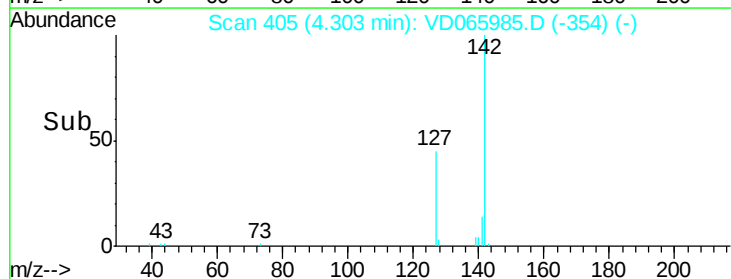
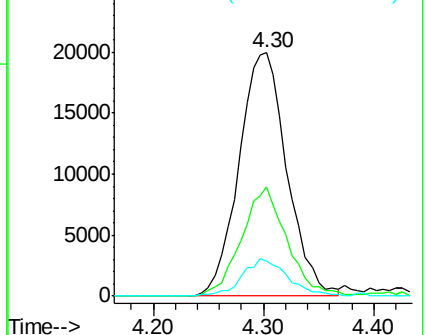
141 14.7 11.8 17.6

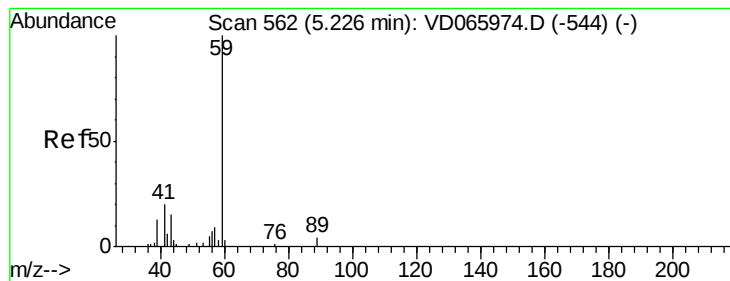


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



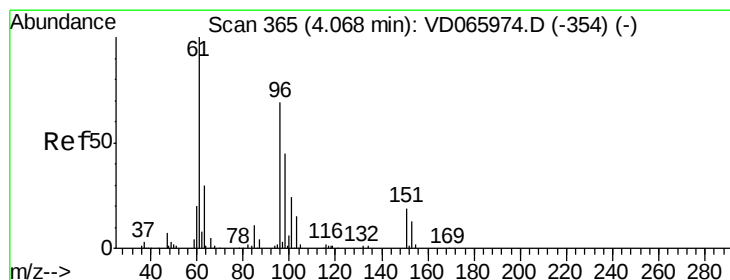
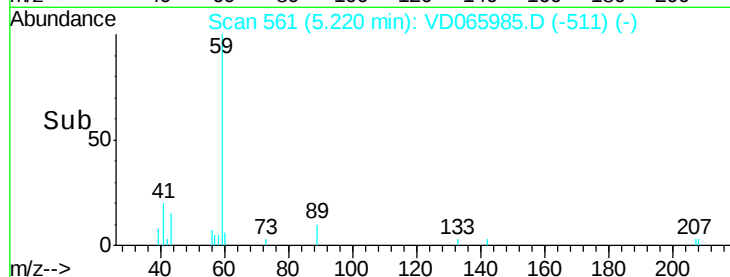
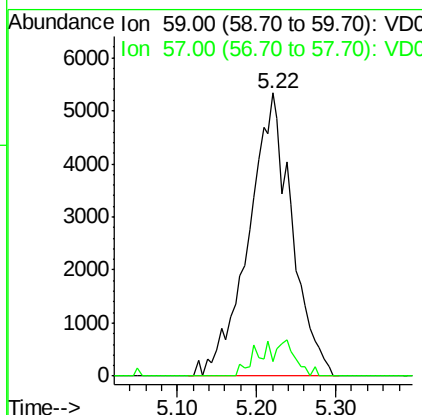
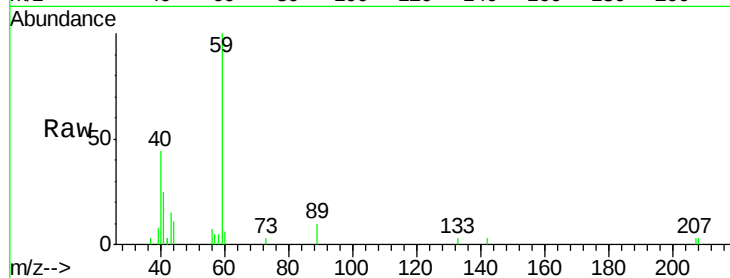


#11

Tert butyl alcohol
Concen: 98.815 ug/l
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

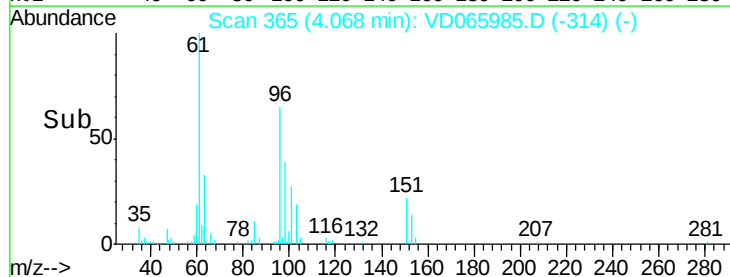
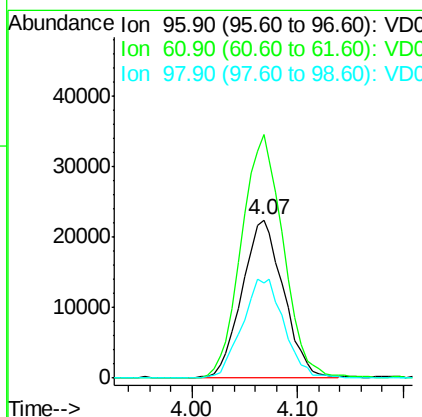
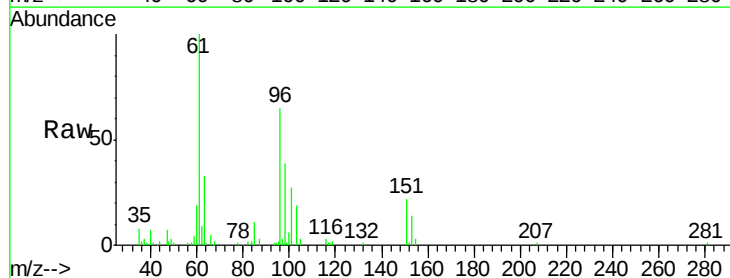
Tot Ion: 59 Resp: 20289
Ion Ratio Lower Upper
59 100
57 5.5 4.5 6.7

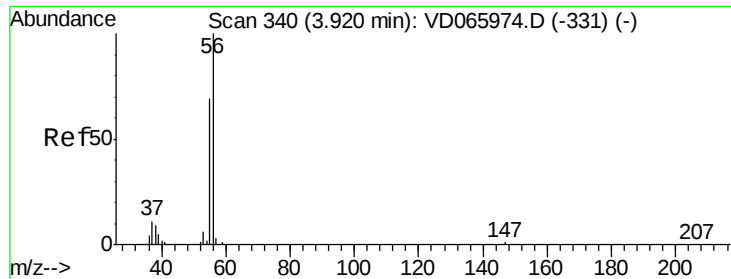


#12

1,1-Dichloroethene
Concen: 21.597 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion: 96 Resp: 61423
Ion Ratio Lower Upper
96 100
61 154.0 115.4 173.0
98 60.0 51.5 77.3





#13

Acrolein

Concen: 99.892 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

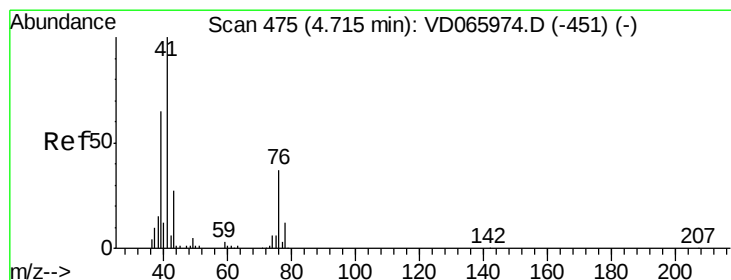
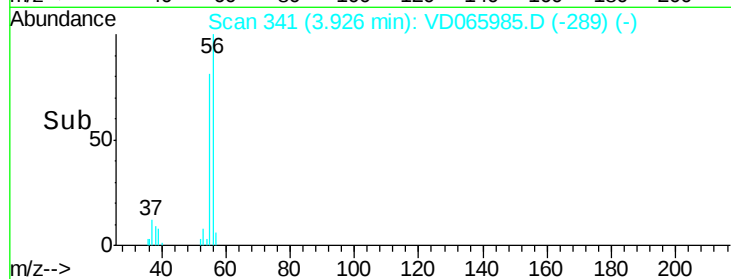
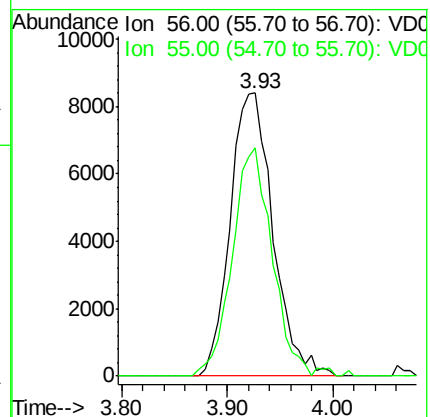
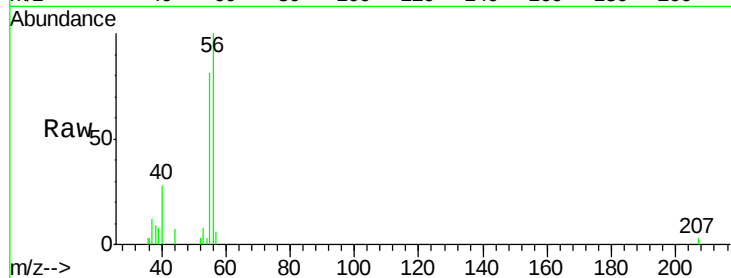
VD0721SBSD01

Tot Ion: 56 Resp: 23556

Ion Ratio Lower Upper

56 100

55 74.6 55.8 83.8



#14

Allyl chloride

Concen: 22.176 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

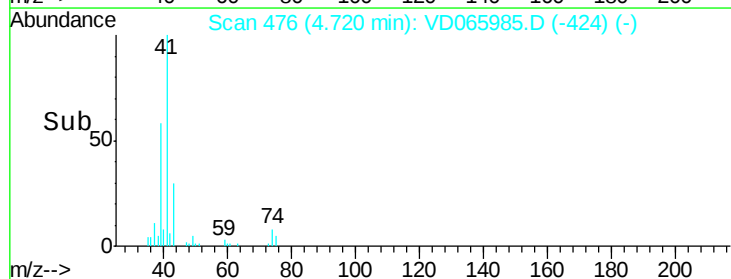
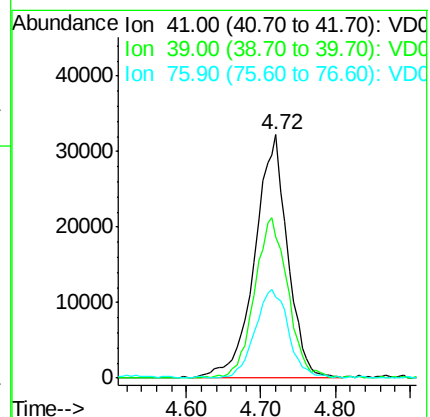
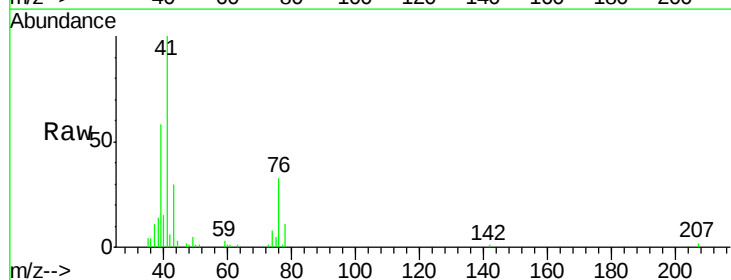
Tgt Ion: 41 Resp: 98587

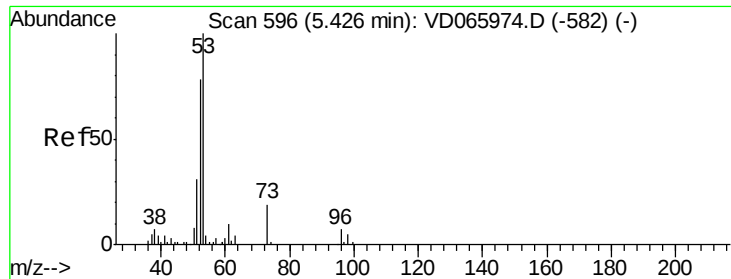
Ion Ratio Lower Upper

41 100

39 66.6 53.4 80.2

76 37.1 29.1 43.7





#15

Acrylonitrile

Concen: 116.401 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

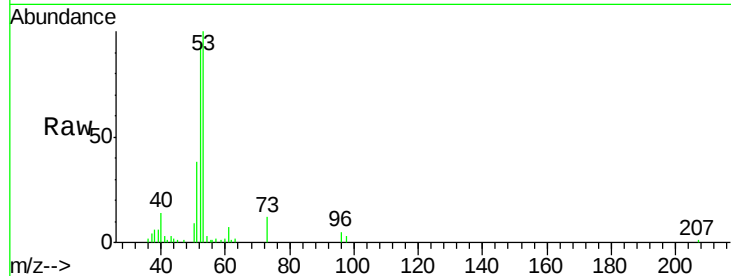
Tot Ion: 53 Resp: 67827

Ion Ratio Lower Upper

53 100

52 82.7 67.1 100.7

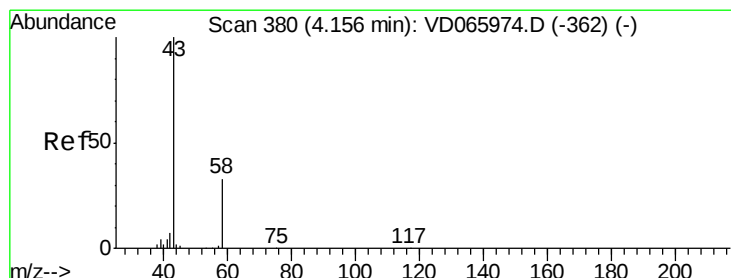
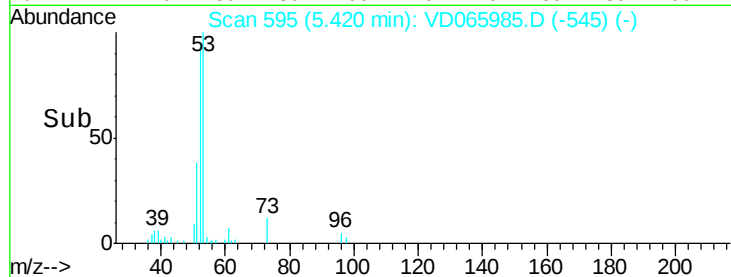
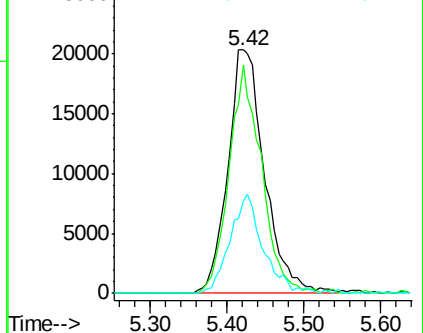
51 36.7 28.7 43.1



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: 97.598 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065985.D

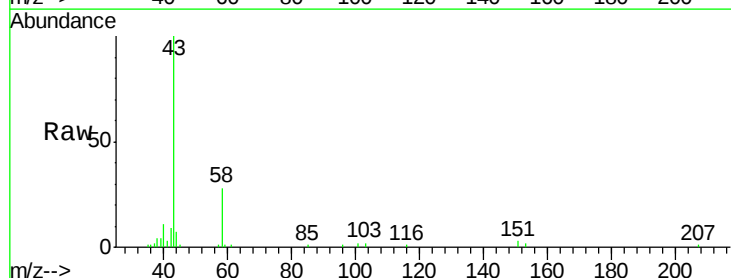
Acq: 21 Jul 2020 17:34

Tgt Ion: 43 Resp: 55293

Ion Ratio Lower Upper

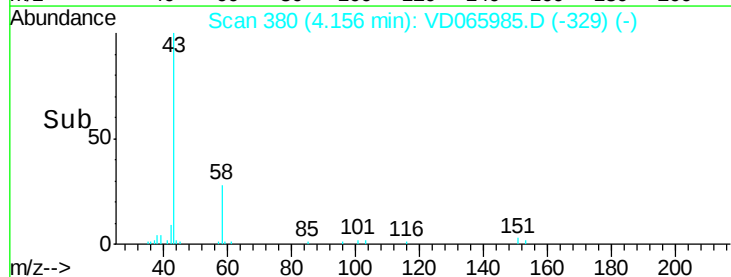
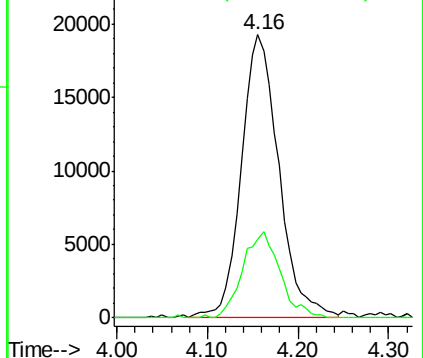
43 100

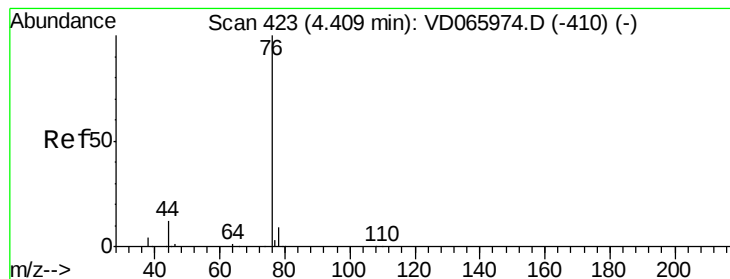
58 27.7 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 21.864 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

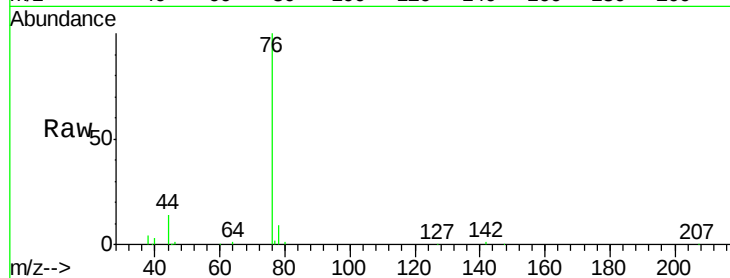
VD0721SBS01

Tot Ion: 76 Resp: 201698

Ion Ratio Lower Upper

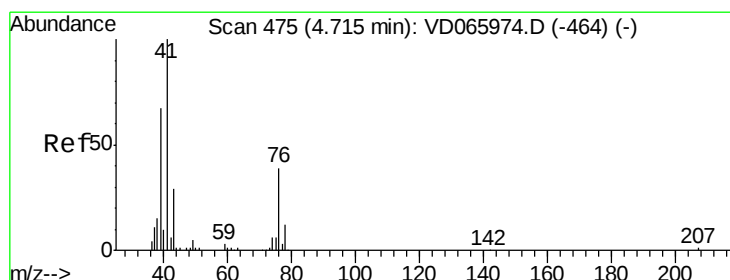
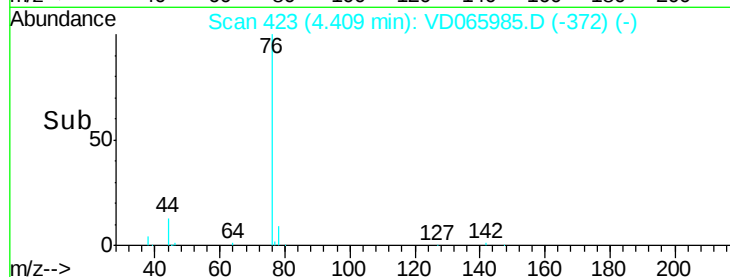
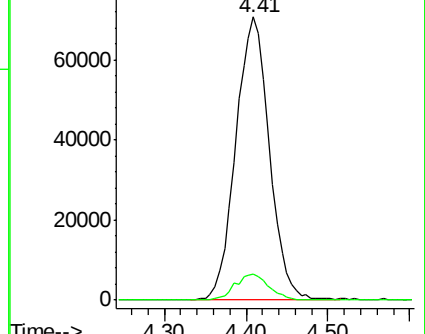
76 100

78 9.4 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 22.540 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065985.D

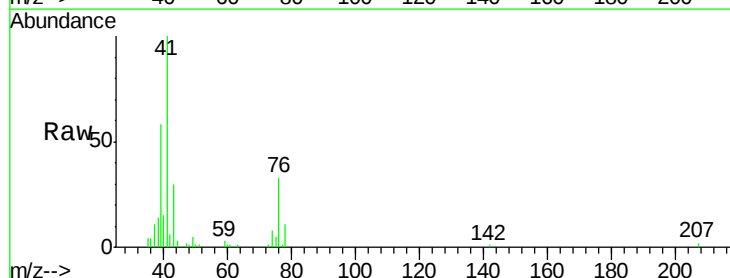
Acq: 21 Jul 2020 17:34

Tgt Ion: 43 Resp: 29706

Ion Ratio Lower Upper

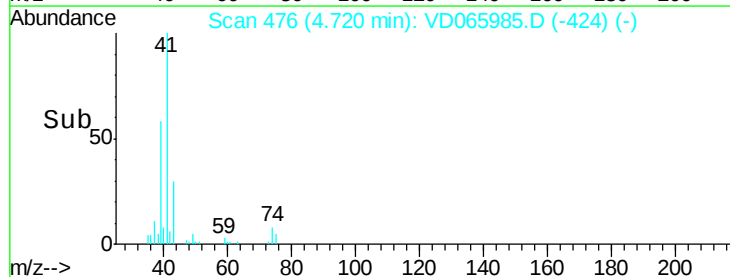
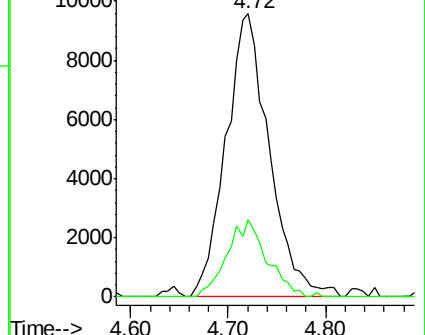
43 100

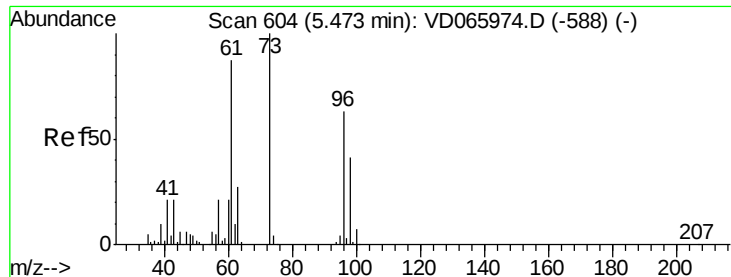
74 24.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



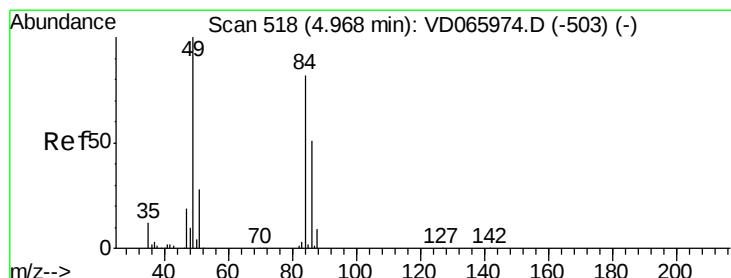
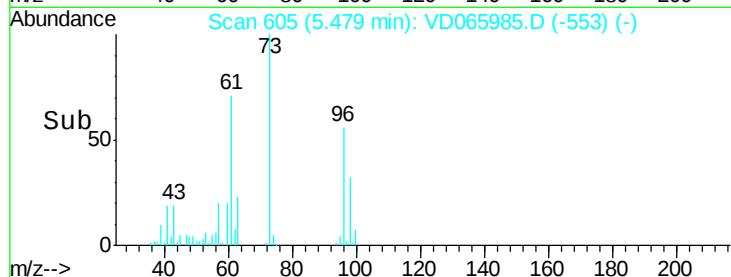
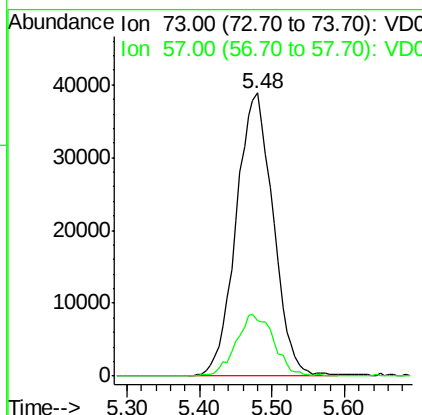
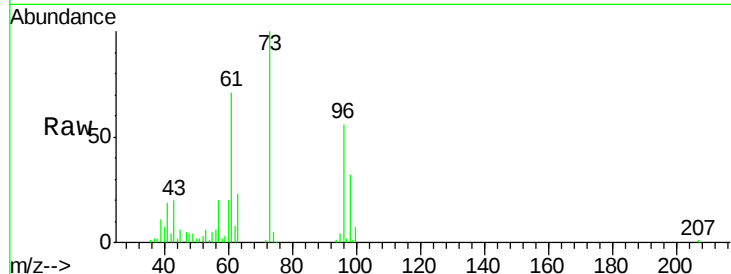


#19

Methyl tert-butyl Ether
 Concen: 23.630 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBS01

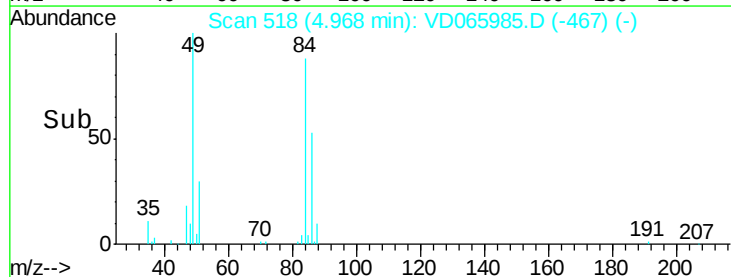
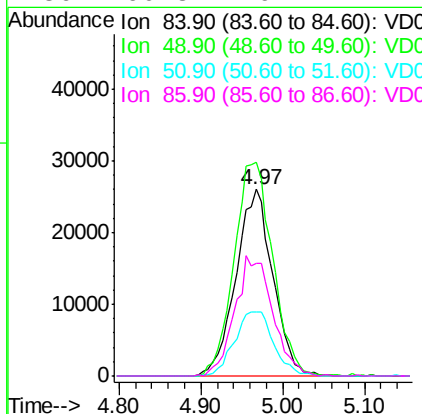
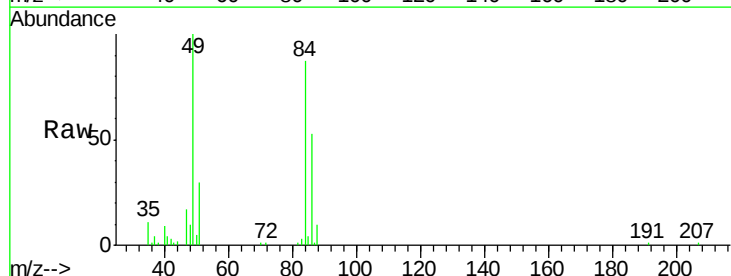
Tot Ion: 73 Resp: 138078
 Ion Ratio Lower Upper
 73 100
 57 19.7 17.0 25.4

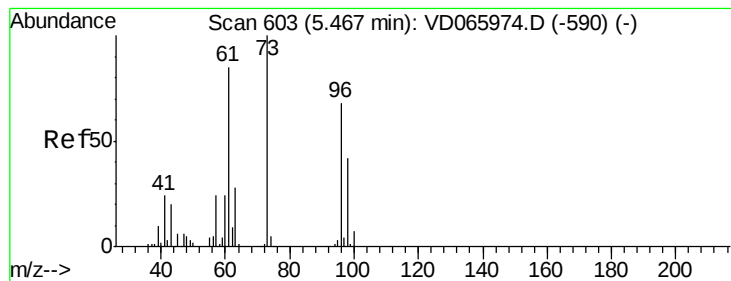


#20

Methylene Chloride
 Concen: 24.635 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Tgt Ion: 84 Resp: 81884
 Ion Ratio Lower Upper
 84 100
 49 114.4 97.7 146.5
 51 34.5 27.4 41.2
 86 60.3 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 22.312 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

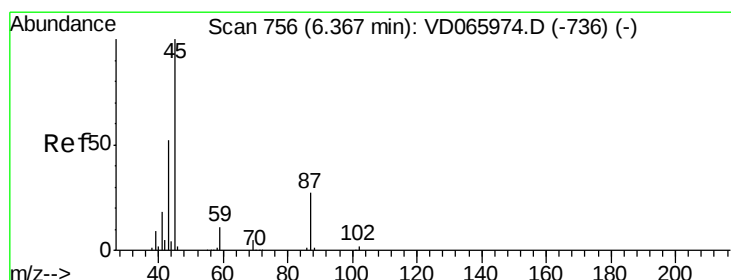
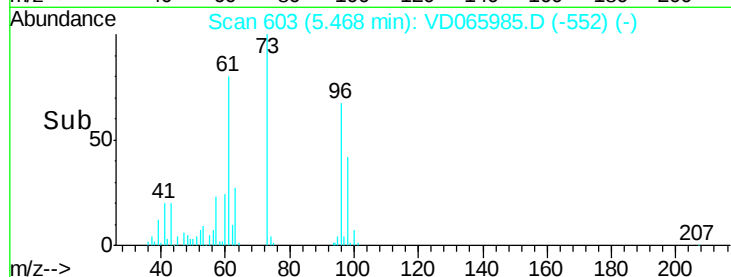
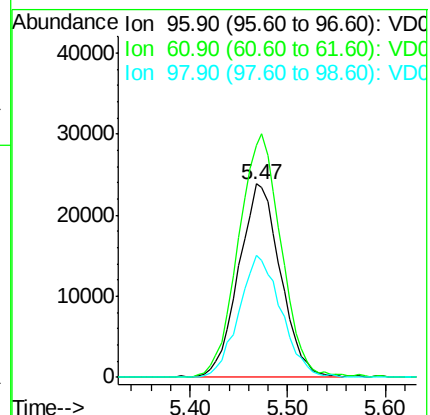
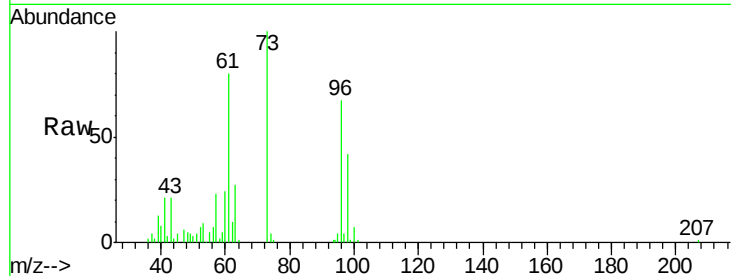
Tot Ion: 96 Resp: 71718

Ion Ratio Lower Upper

96 100

61 120.0 100.5 150.7

98 62.9 49.7 74.5



#22

Diisopropyl ether

Concen: 23.867 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Tgt Ion: 45 Resp: 201585

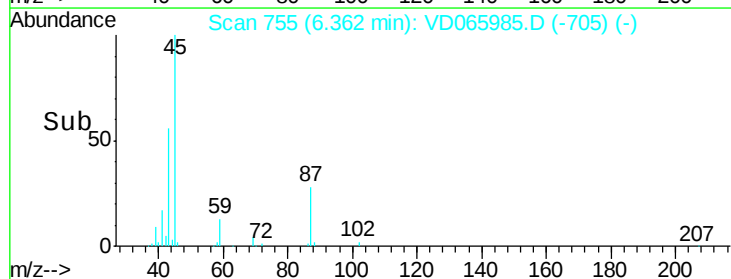
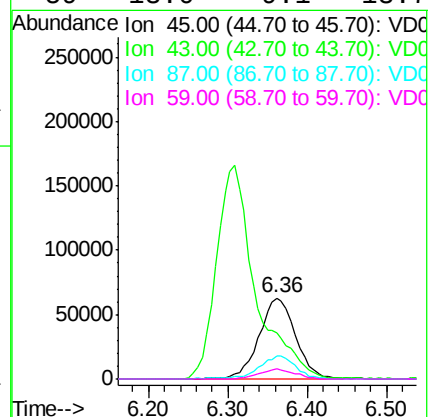
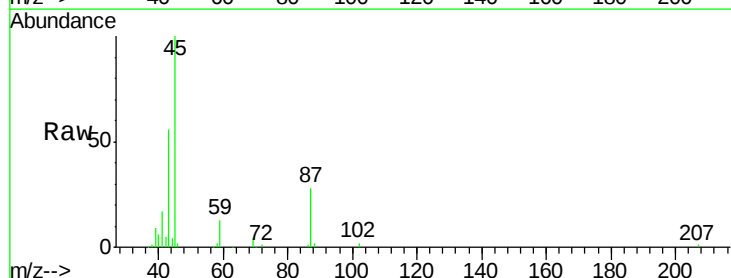
Ion Ratio Lower Upper

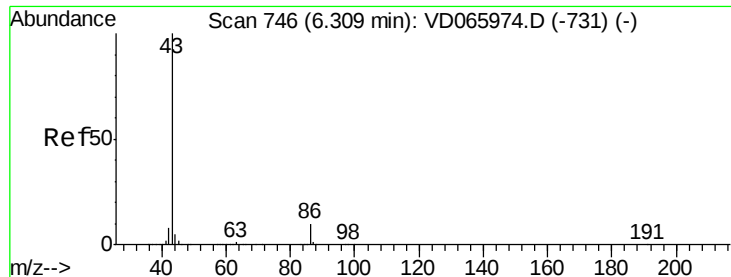
45 100

43 54.6 43.0 64.4

87 28.3 22.0 33.0

59 13.0 9.1 13.7





#23

Vinyl Acetate

Concen: 119.051 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

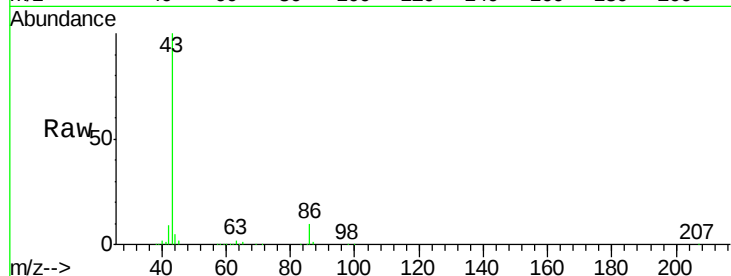
VD0721SBS01

Tot Ion: 43 Resp: 567080

Ion Ratio Lower Upper

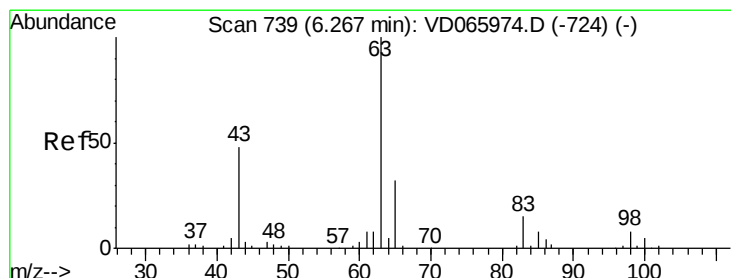
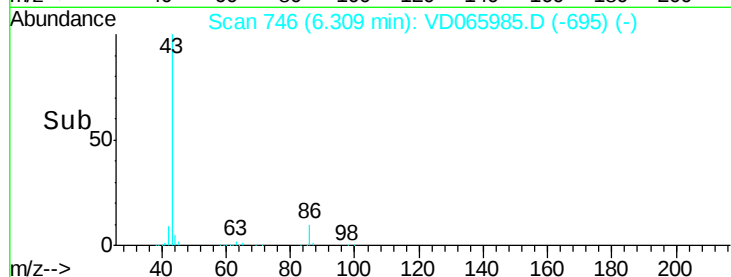
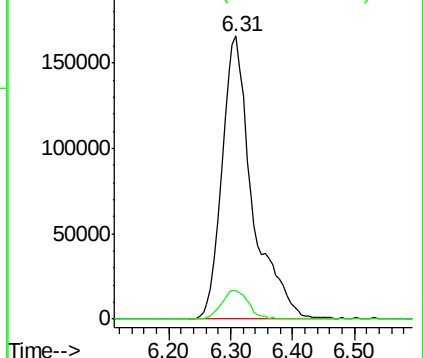
43 100

86 10.4 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 23.015 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

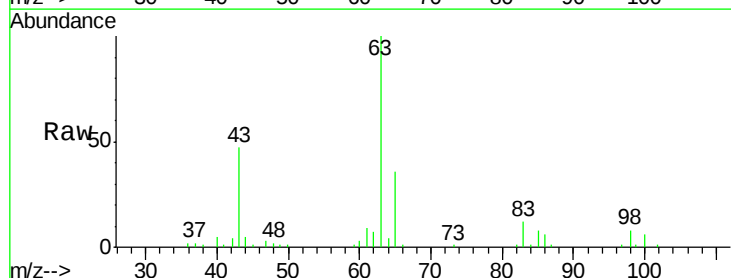
Tgt Ion: 63 Resp: 117781

Ion Ratio Lower Upper

63 100

98 8.1 4.3 12.8

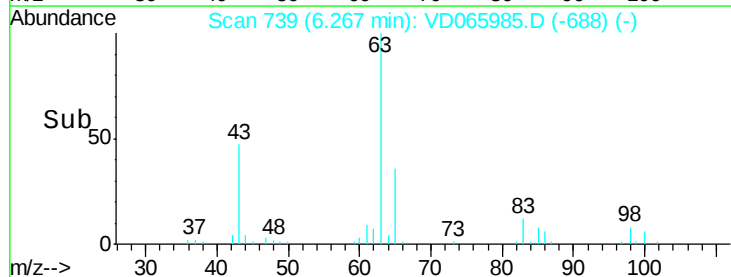
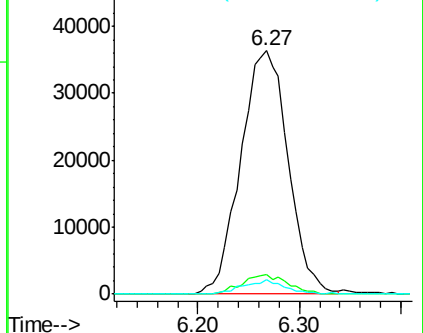
100 5.7 2.5 7.5

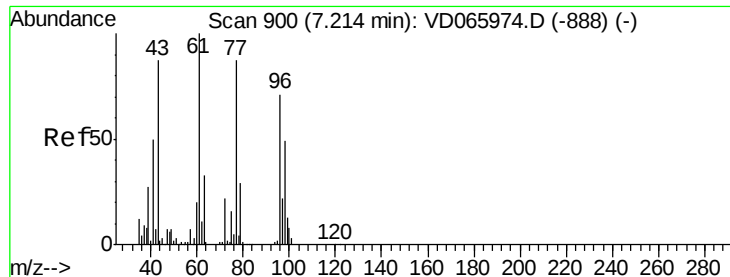


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 110.187 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

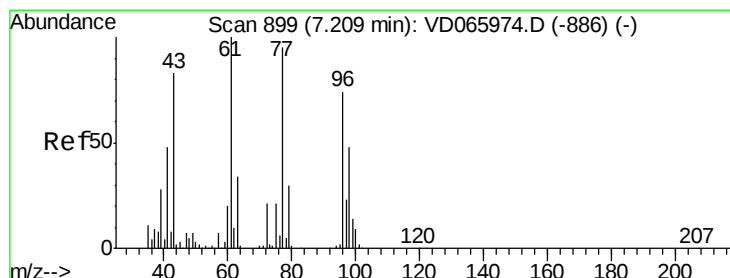
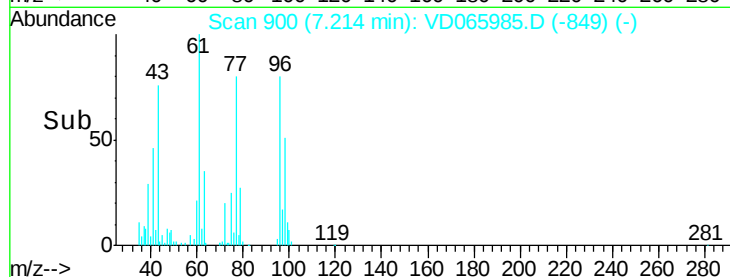
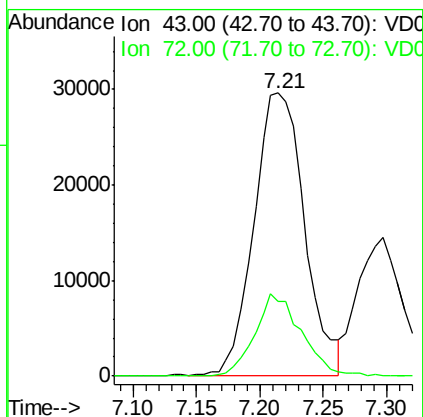
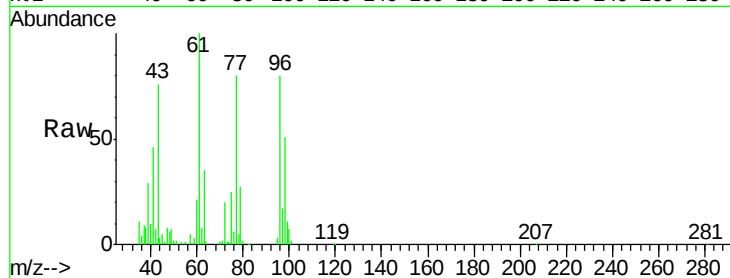
VD0721SBSD01

Tot Ion: 43 Resp: 82833

Ion Ratio Lower Upper

43 100

72 26.6 20.2 30.2



#26

2,2-Dichloropropane

Concen: 21.646 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065985.D

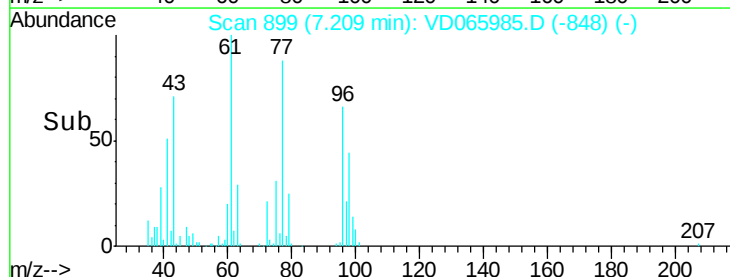
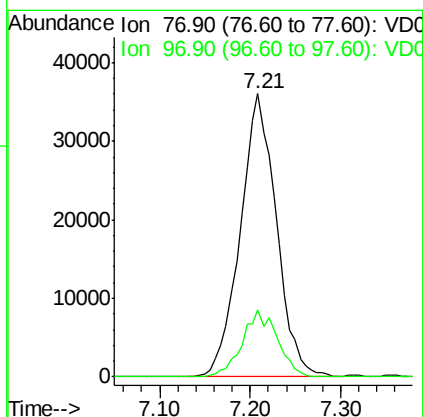
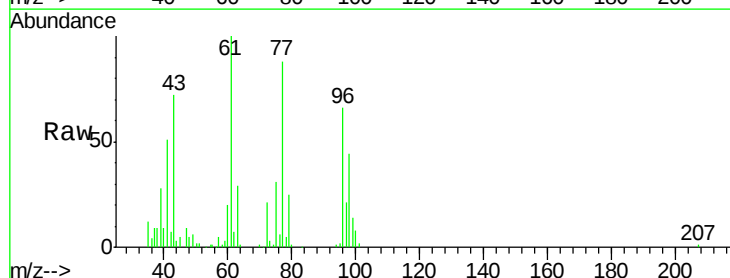
Acq: 21 Jul 2020 17:34

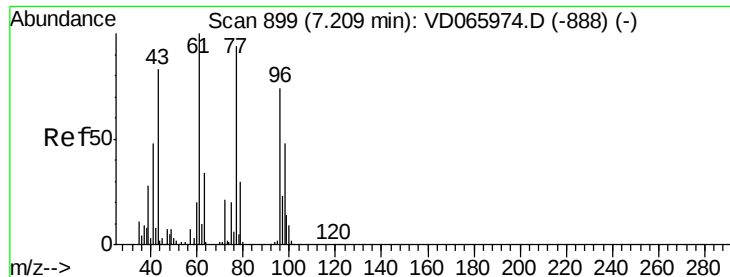
Tgt Ion: 77 Resp: 99617

Ion Ratio Lower Upper

77 100

97 22.9 11.6 34.7



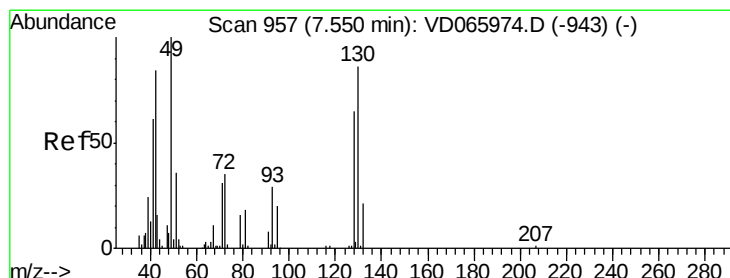
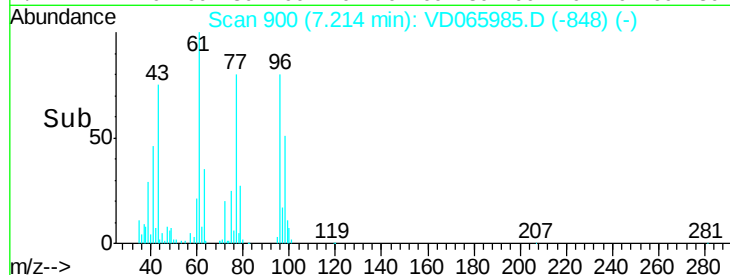
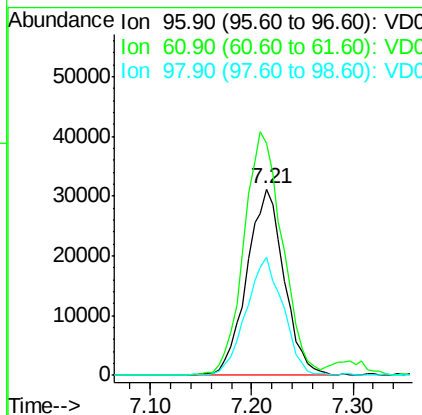
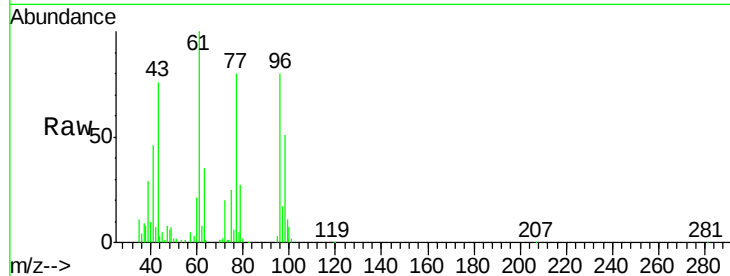


#27

cis-1,2-Dichloroethene
Concen: 23.332 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

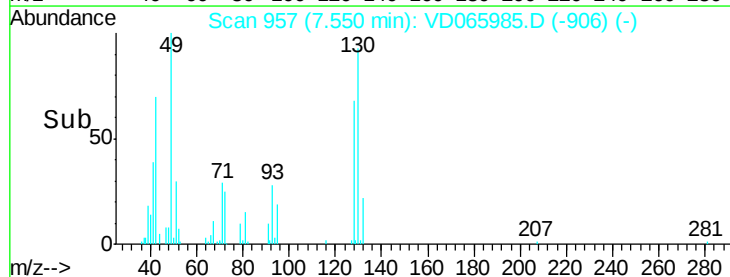
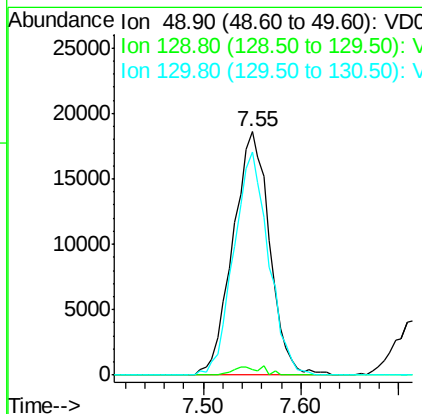
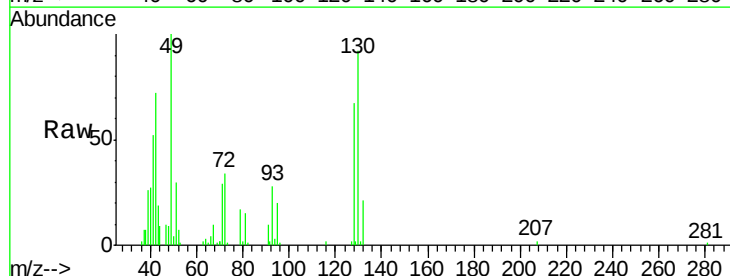
Tot Ion: 96 Resp: 79406
Ion Ratio Lower Upper
96 100
61 135.1 0.0 276.6
98 62.9 0.0 130.8

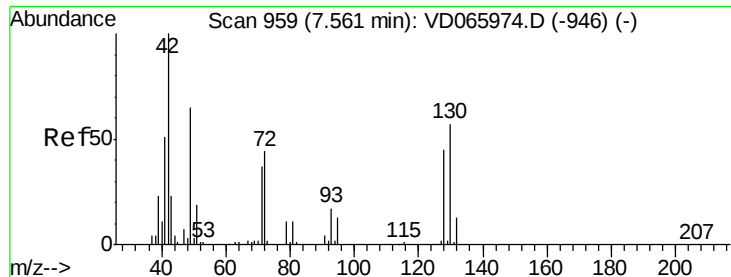


#28

Bromochloromethane
Concen: 22.277 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion: 49 Resp: 48386
Ion Ratio Lower Upper
49 100
129 2.8 0.0 4.8
130 87.4 68.4 102.6

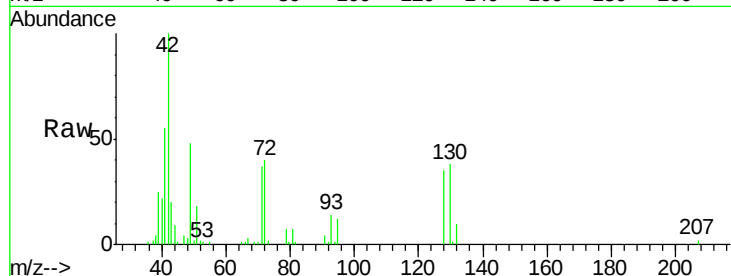




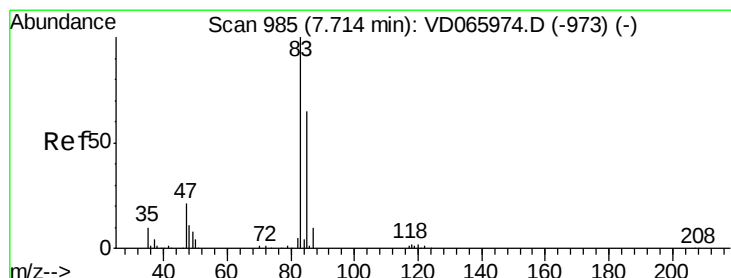
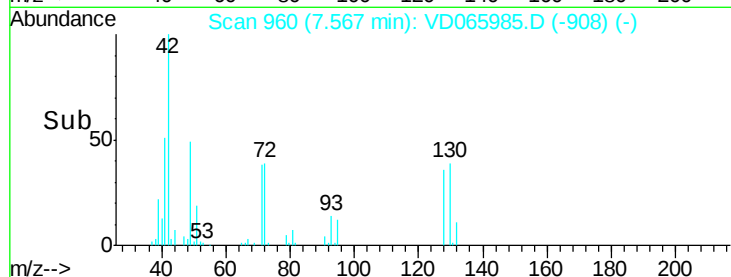
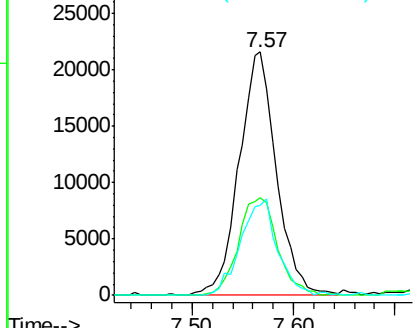
#29
Tetrahydrofuran
Concen: 118.892 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion: 42 Resp: 55146
Ion Ratio Lower Upper
42 100
72 41.9 34.2 51.2
71 39.0 31.4 47.2

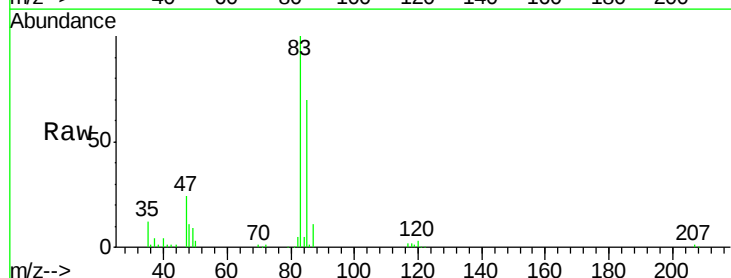


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

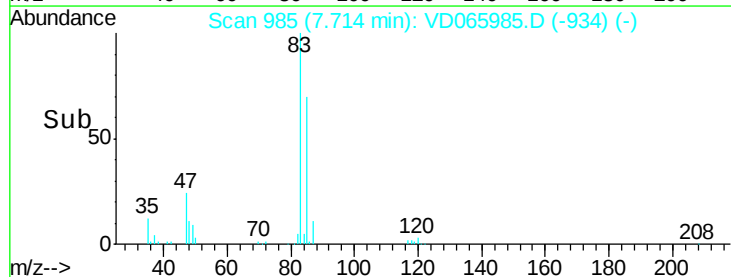
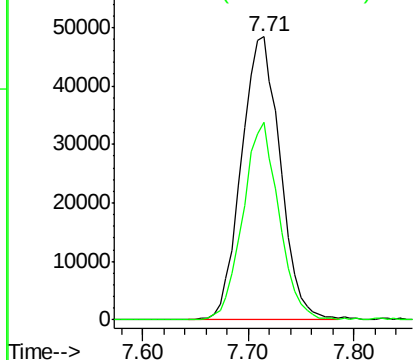


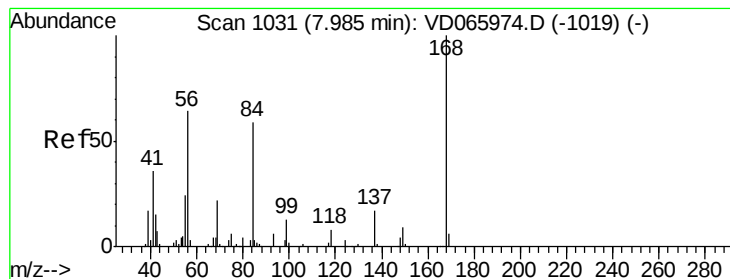
#30
Chloroform
Concen: 23.085 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion: 83 Resp: 123579
Ion Ratio Lower Upper
83 100
85 69.8 52.1 78.1



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





#31

Cvclohexane

Concen: 21.826 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

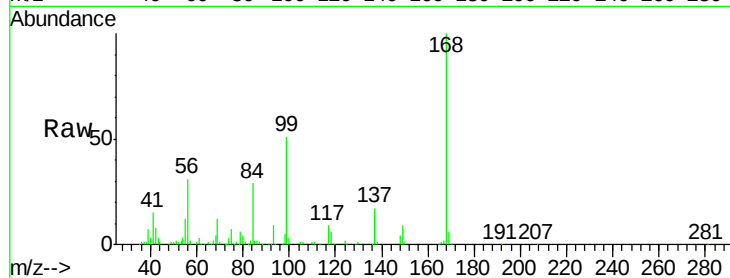
Tot Ion: 56 Resp: 109890

Ion Ratio Lower Upper

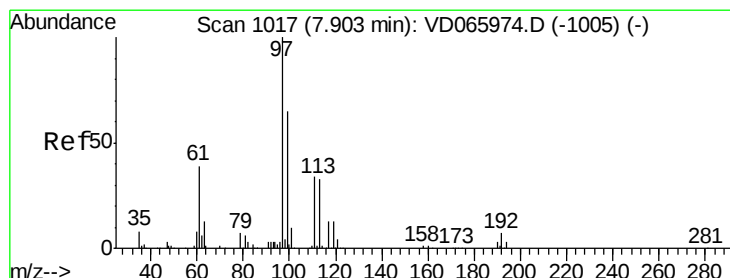
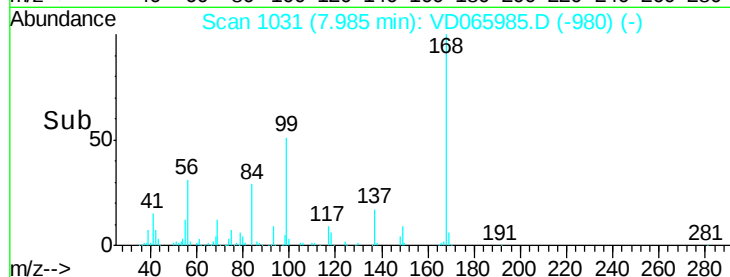
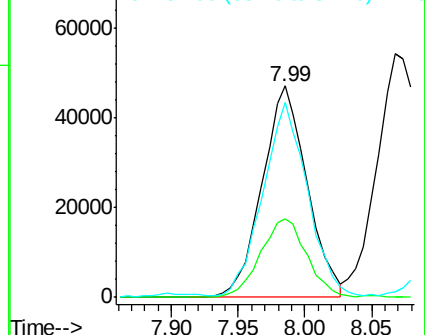
56 100

69 37.5 28.0 42.0

84 90.8 72.6 109.0



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



#32

1,1,1-Trichloroethane

Concen: 22.440 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

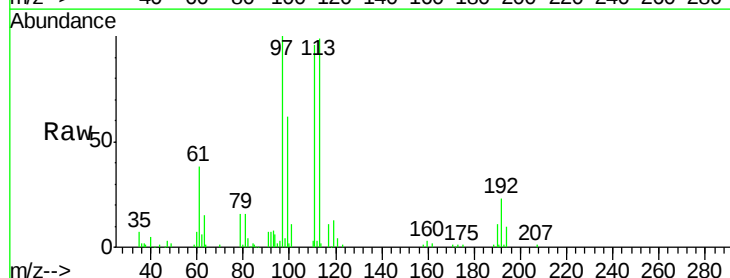
Tgt Ion: 97 Resp: 111118

Ion Ratio Lower Upper

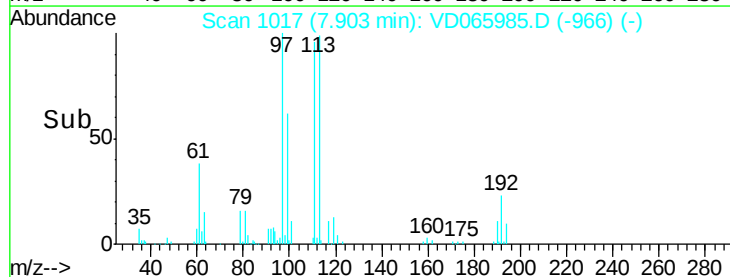
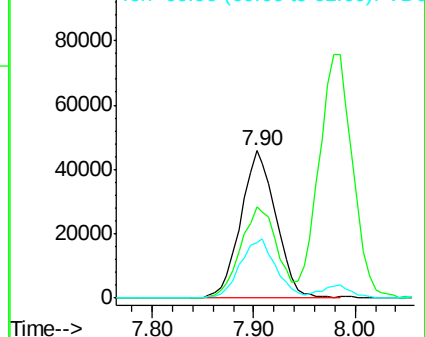
97 100

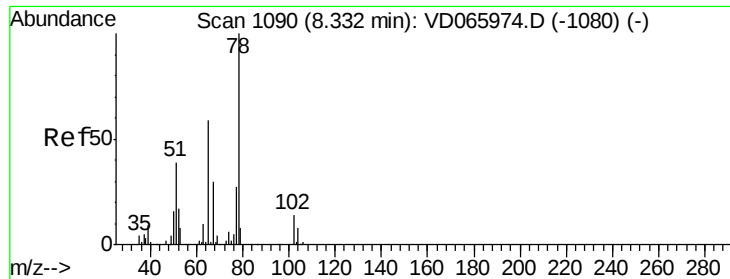
99 63.2 51.8 77.6

61 40.4 33.3 49.9



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: 54.221 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

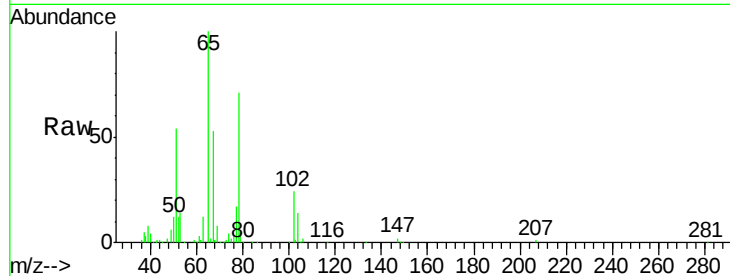
VD0721SBS01

Tot Ion: 65 Resp: 151759

Ion Ratio Lower Upper

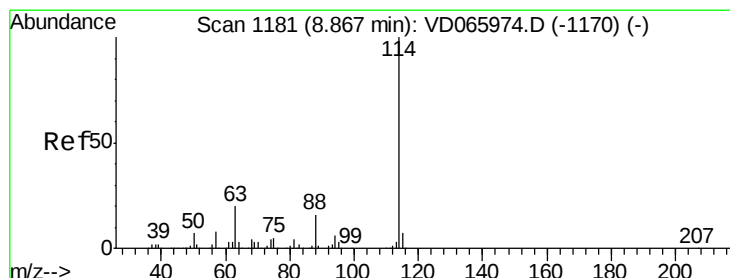
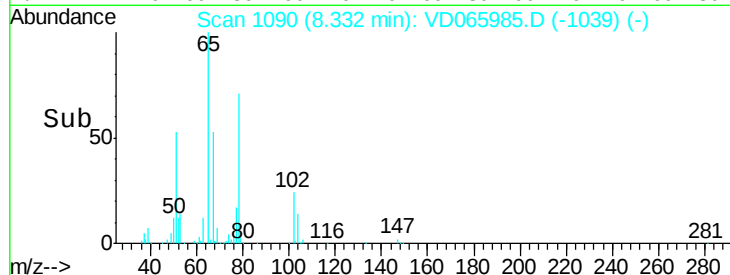
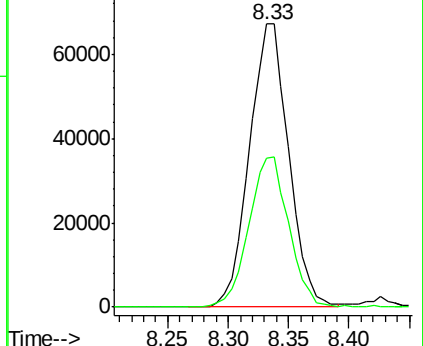
65 100

67 53.9 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

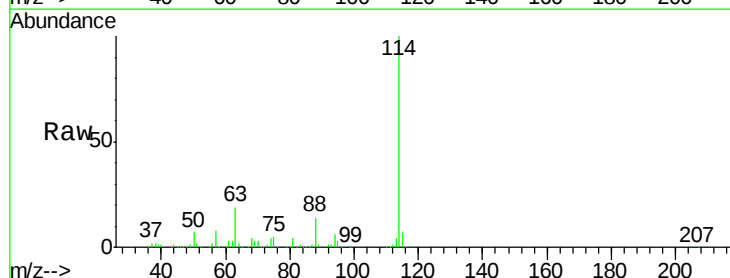
Tgt Ion: 114 Resp: 515033

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

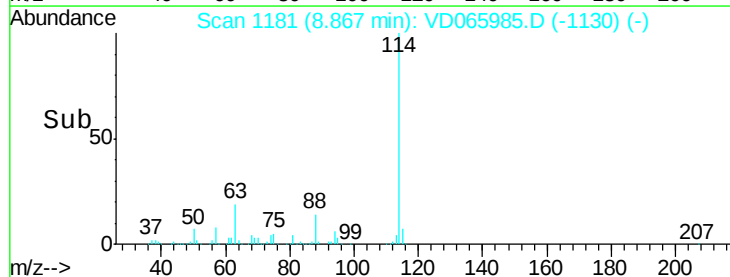
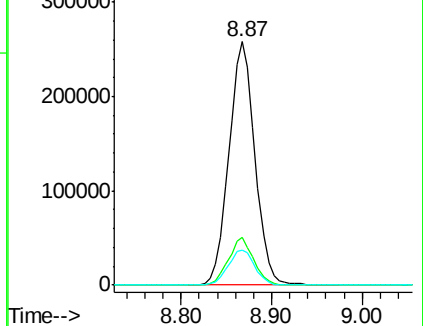
88 14.2 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

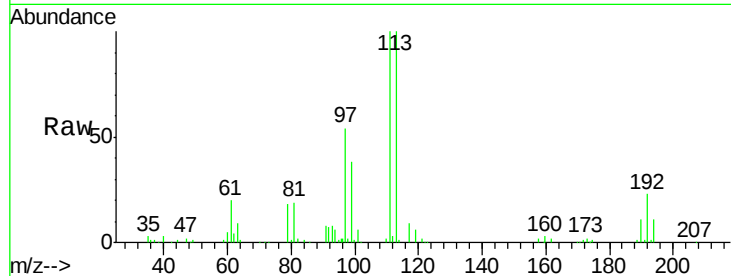




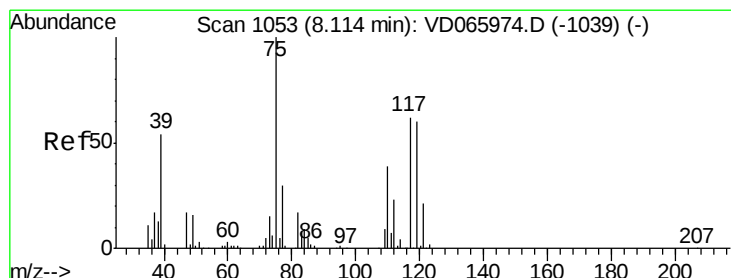
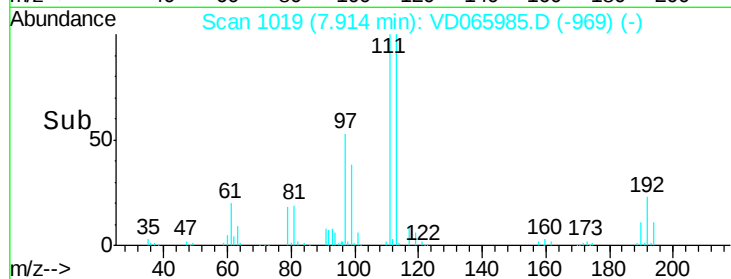
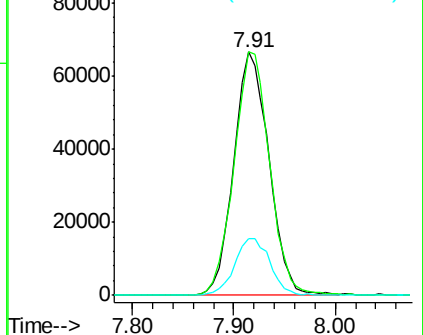
#35
 Dibromofluoromethane
 Concen: 51.462 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBS01

Tot Ion:113 Resp: 160758
 Ion Ratio Lower Upper
 113 100
 111 101.4 83.2 124.8
 192 23.7 18.7 28.1

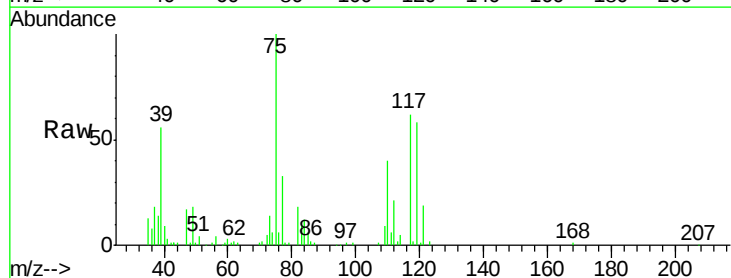


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

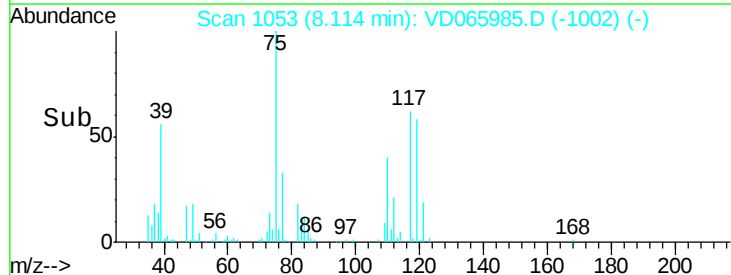
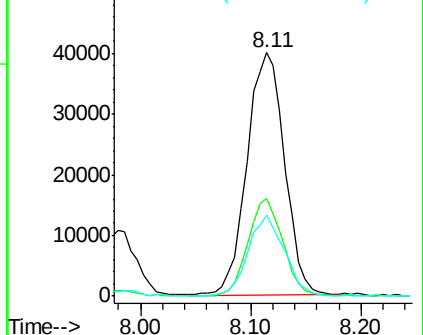


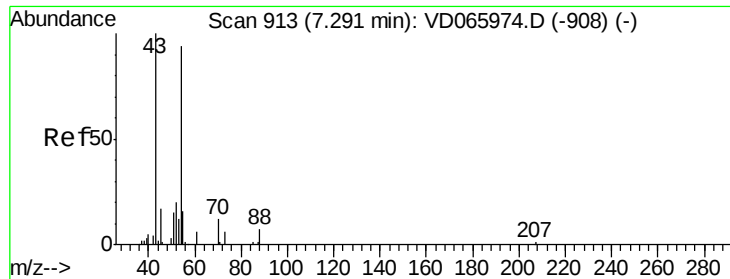
#36
 1,1-Dichloropropene
 Concen: 21.801 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Tgt Ion: 75 Resp: 95828
 Ion Ratio Lower Upper
 75 100
 110 37.2 19.5 58.5
 77 31.8 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC

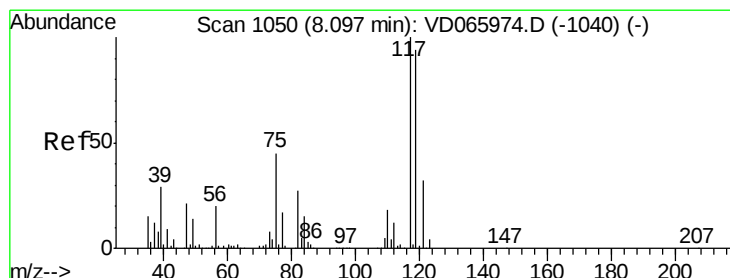
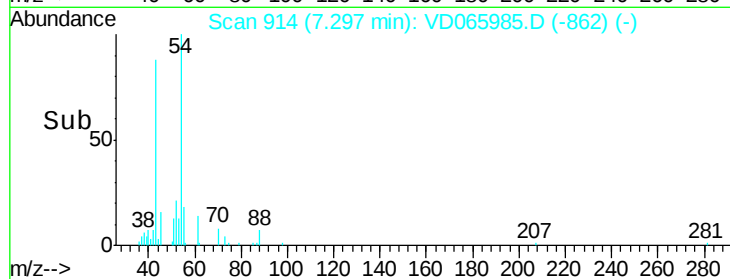
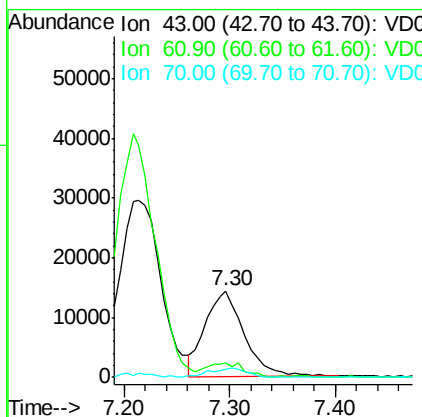
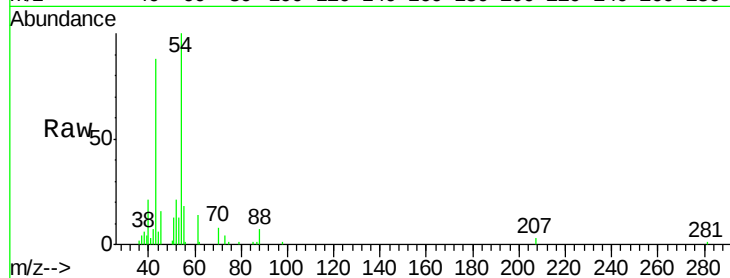




#37
Ethyl Acetate
Concen: 22.069 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

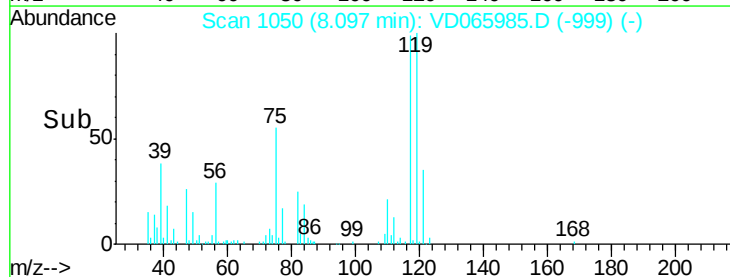
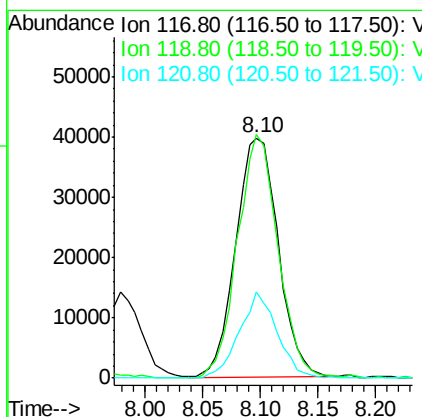
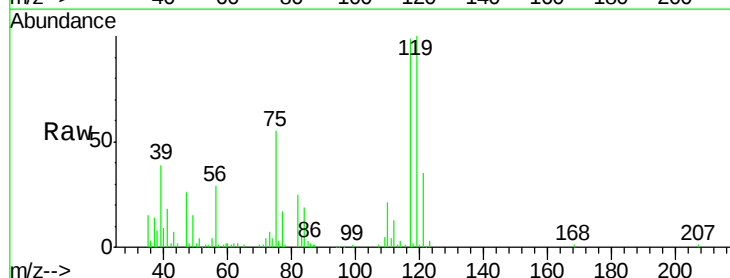
Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

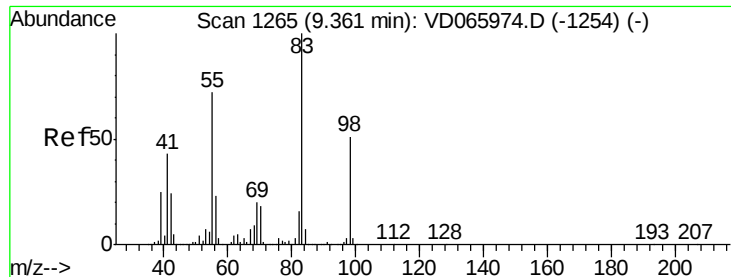
Tot Ion: 43 Resp: 37047
Ion Ratio Lower Upper
43 100
61 16.4 11.4 17.0
70 9.8 9.3 13.9



#38
Carbon Tetrachloride
Concen: 21.392 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion: 117 Resp: 102029
Ion Ratio Lower Upper
117 100
119 101.8 75.0 112.6
121 35.8 25.5 38.3

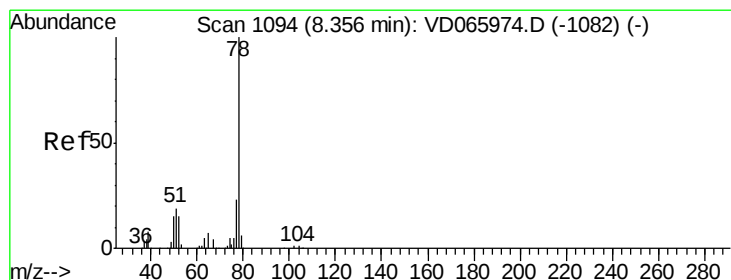
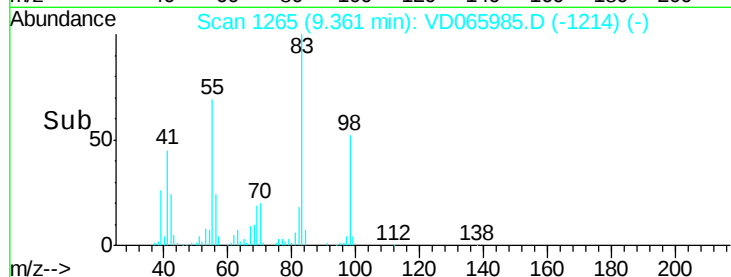
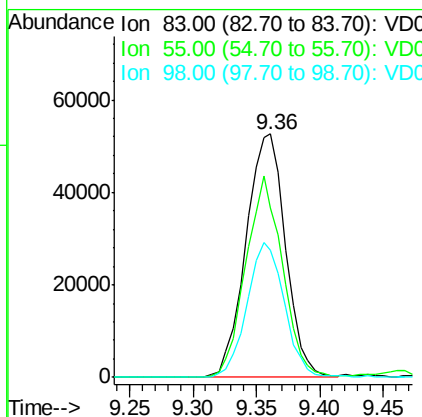
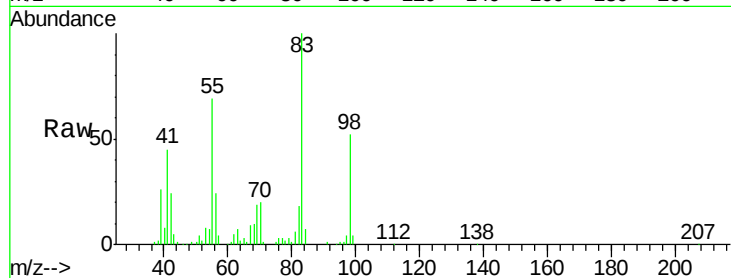




#39
Methvlcvclohexane
Concen: 21.455 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

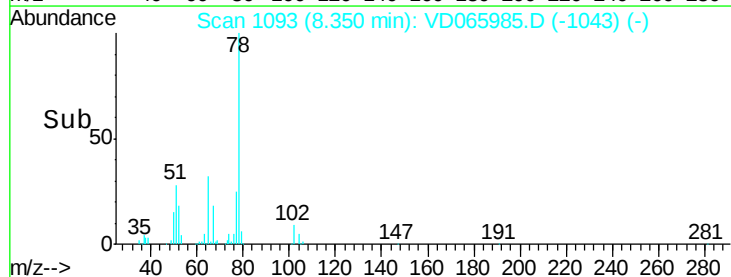
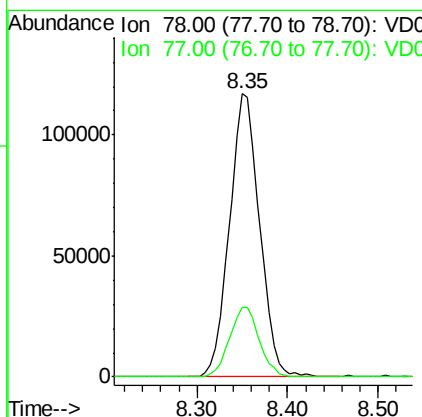
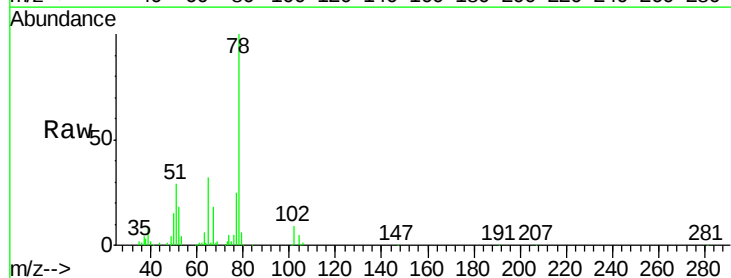
Instrument :
MSVOA_D
ClientSampleId :
VD0721SBSD01

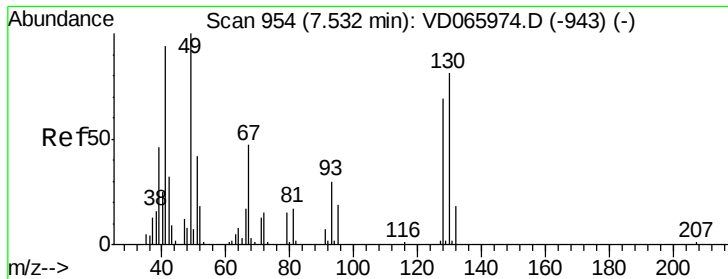
Tot Ion: 83 Resp: 114207
Ion Ratio Lower Upper
83 100
55 69.4 57.3 85.9
98 52.0 41.0 61.6



#40
Benzene
Concen: 21.969 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion: 78 Resp: 270159
Ion Ratio Lower Upper
78 100
77 24.7 18.6 27.8





#41

Methacrylonitrile

Concen: 55.148 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.03 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion: 41 Resp: 53033

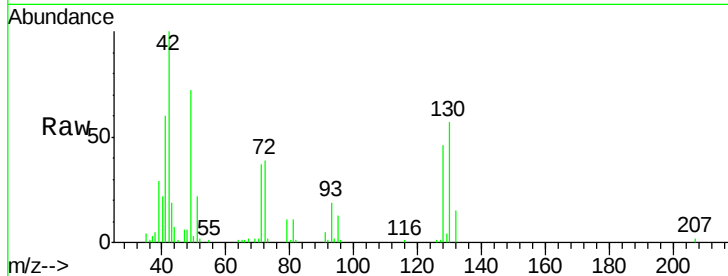
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

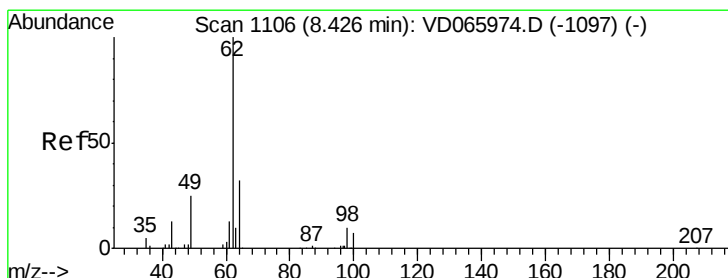
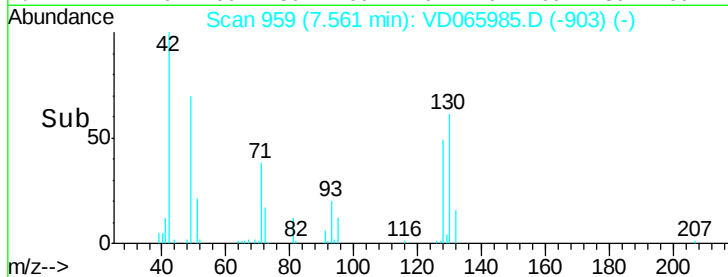
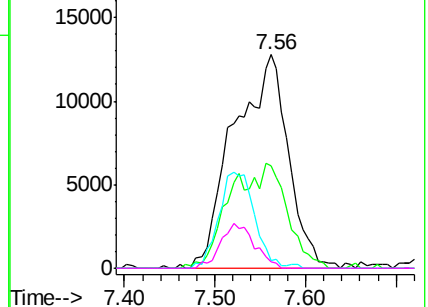


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 23.046 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD065985.D

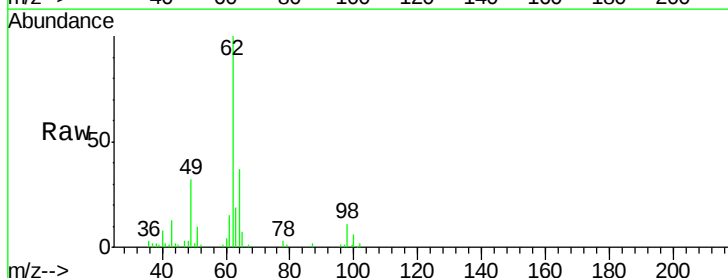
Acq: 21 Jul 2020 17:34

Tgt Ion: 62 Resp: 77659

Ion Ratio Lower Upper

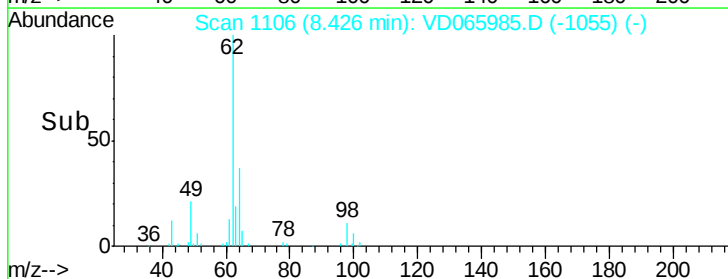
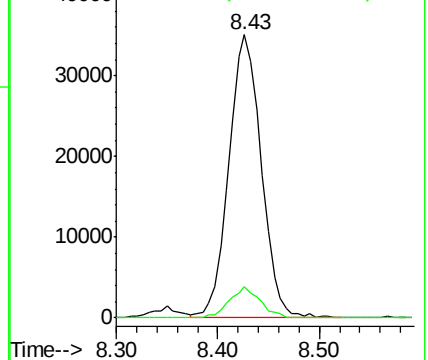
62 100

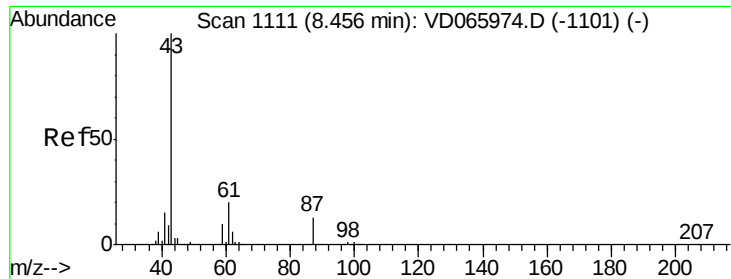
98 10.4 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

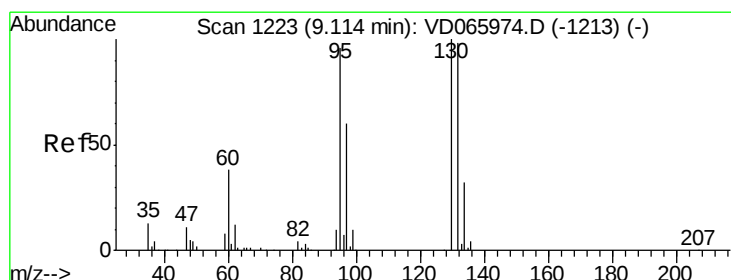
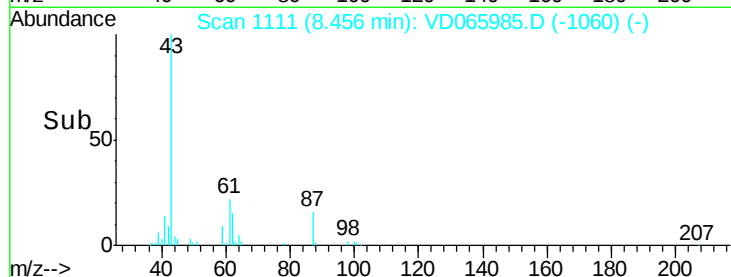
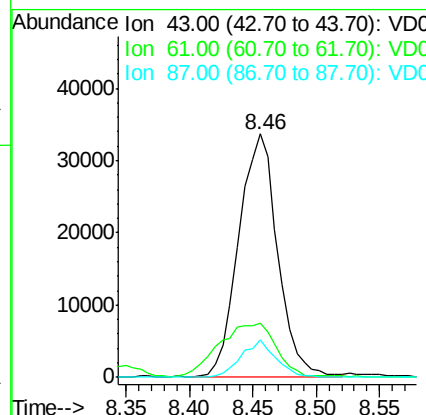
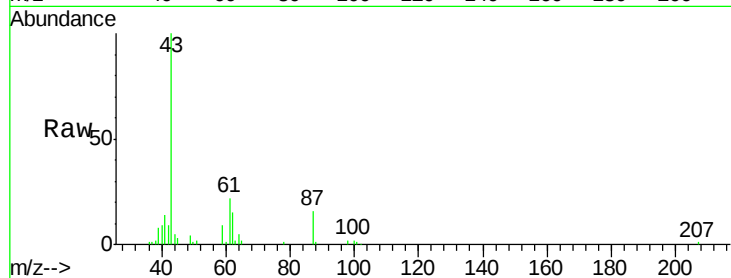




#43
Isopropyl Acetate
Concen: 21.974 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

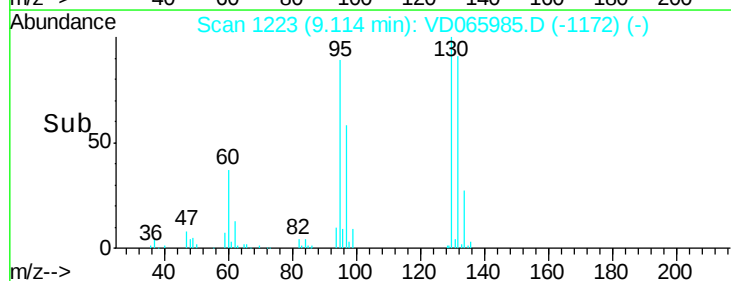
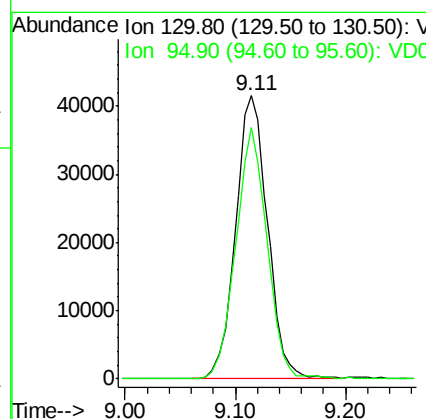
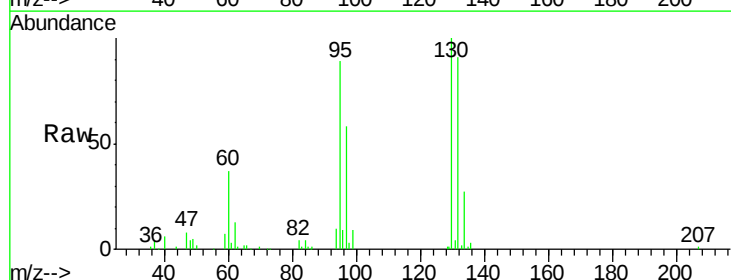
Instrument :
MSVOA_D
ClientSampleId :
VD0721SBSD01

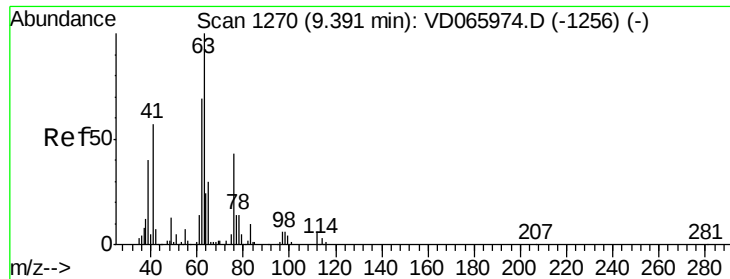
Tot Ion: 43 Resp: 72044
Ion Ratio Lower Upper
43 100
61 33.2 25.8 38.8
87 13.6 10.9 16.3



#44
Trichloroethene
Concen: 22.655 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion: 130 Resp: 84306
Ion Ratio Lower Upper
130 100
95 88.9 0.0 191.6

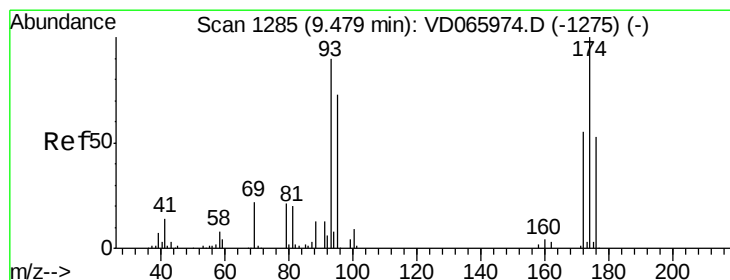
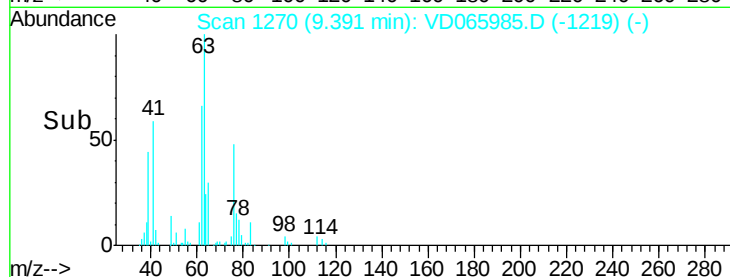
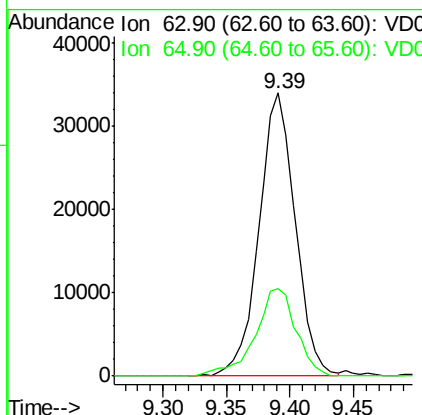
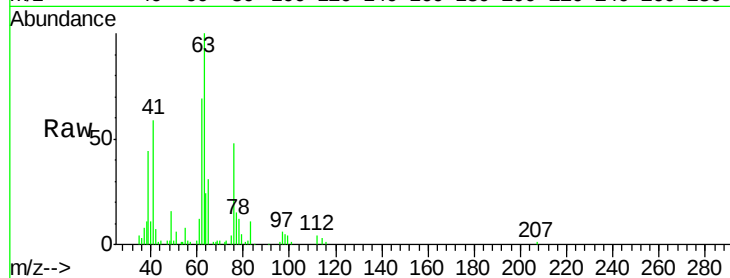




#45
 1,2-Dichloropropane
 Concen: 22.724 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

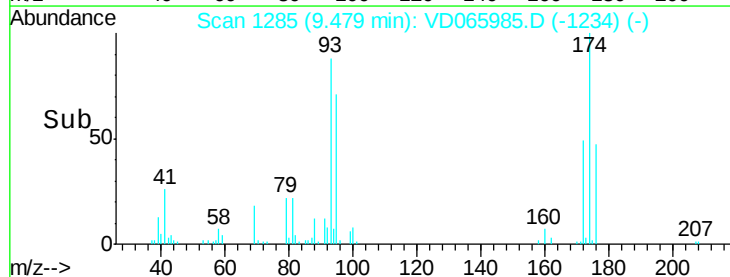
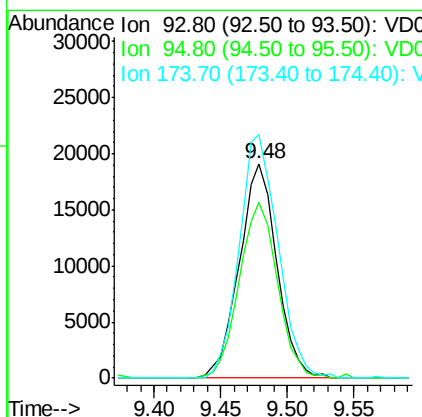
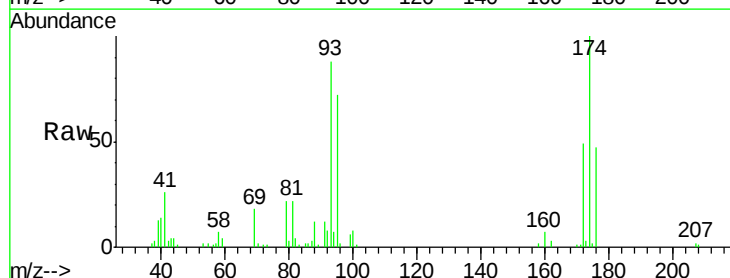
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBSD01

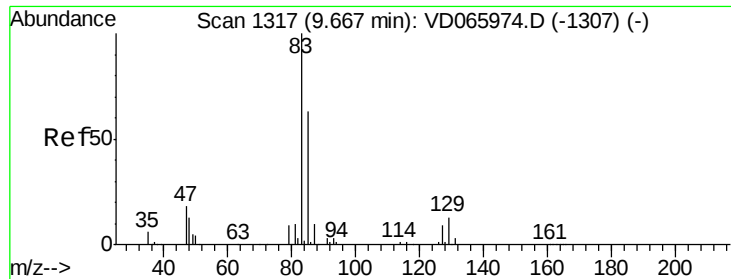
Tot Ion: 63 Resp: 67679
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.0 36.0



#46
 Dibromomethane
 Concen: 23.221 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Tgt Ion: 93 Resp: 37230
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.2 99.4
 174 117.1 91.5 137.3





#47

Bromodichloromethane

Concen: 22.054 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBSD01

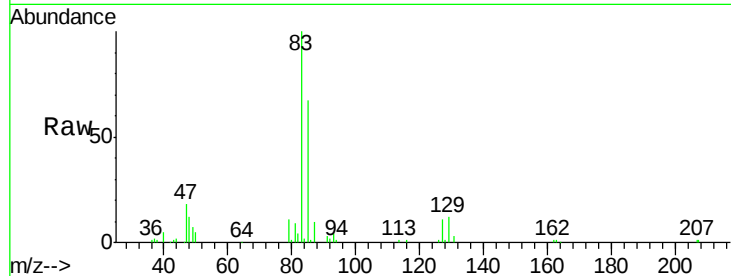
Tot Ion: 83 Resp: 93493

Ion Ratio Lower Upper

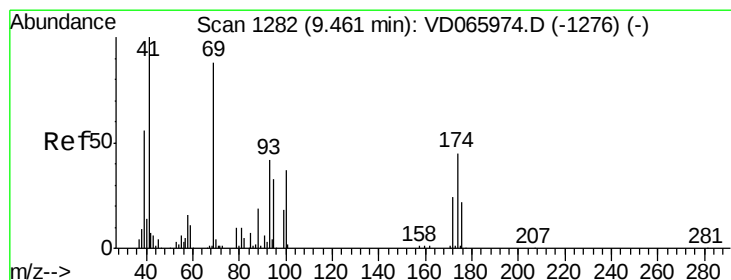
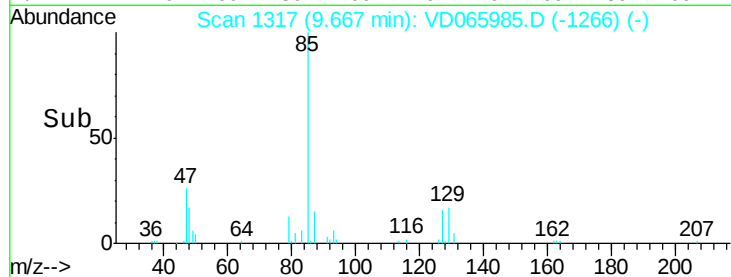
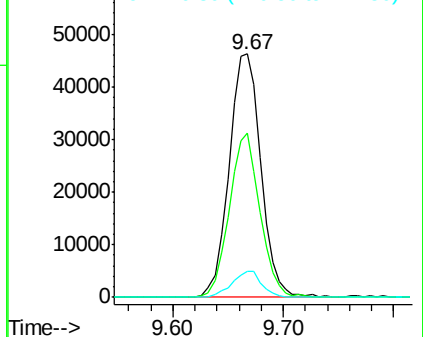
83 100

85 67.4 50.6 75.8

127 10.9 7.1 10.7#



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



#48

Methyl methacrylate

Concen: 21.800 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

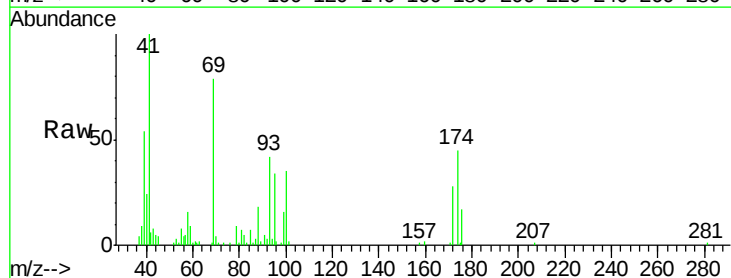
Tgt Ion: 41 Resp: 36054

Ion Ratio Lower Upper

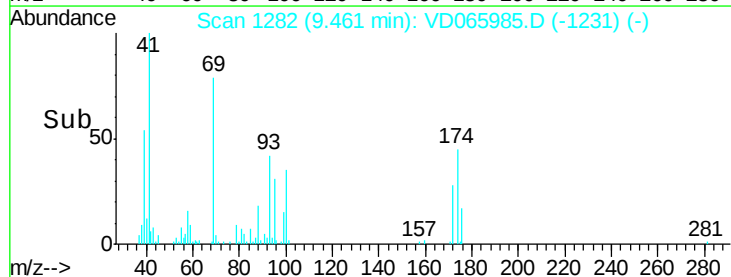
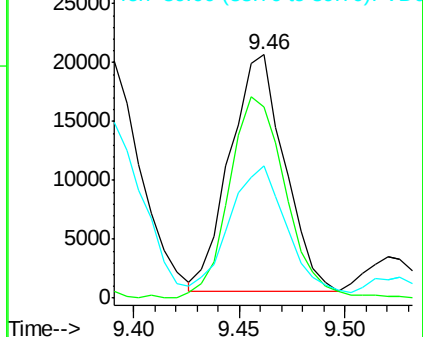
41 100

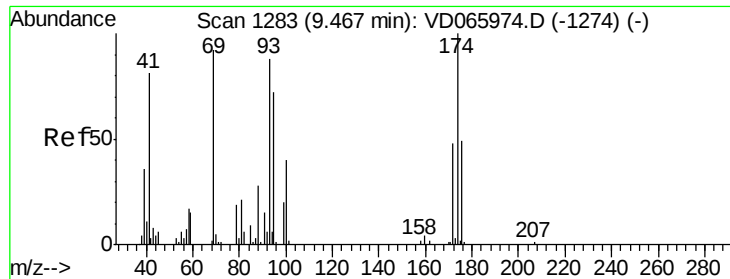
69 88.1 65.1 97.7

39 54.8 41.5 62.3



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: 492.161 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

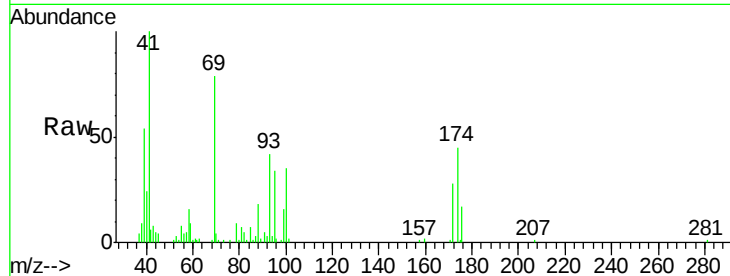
Tot Ion: 88 Resp: 9142

Ion Ratio Lower Upper

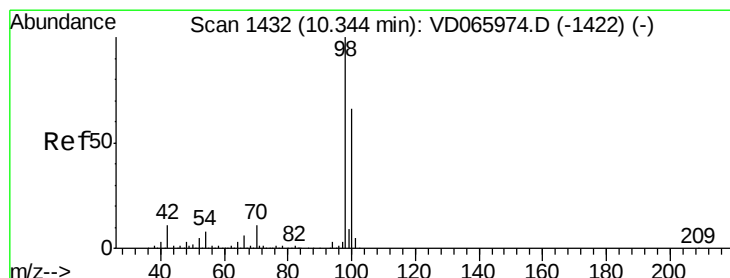
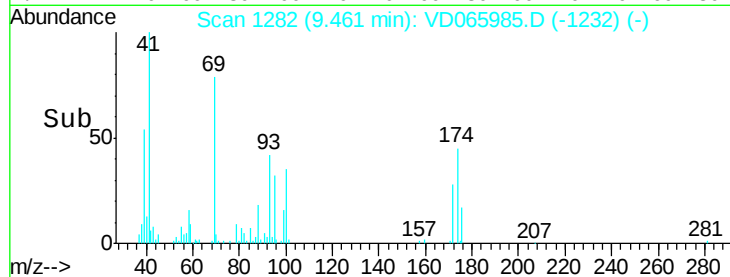
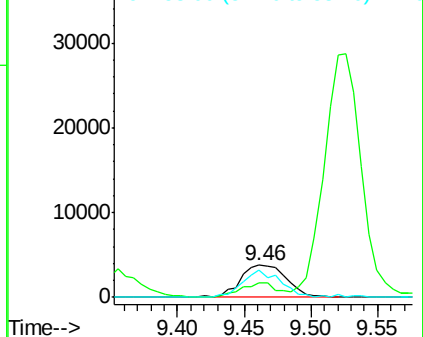
88 100

43 37.4 29.0 43.6

58 68.6 57.0 85.4



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



#50

Toluene-d8

Concen: 53.147 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065985.D

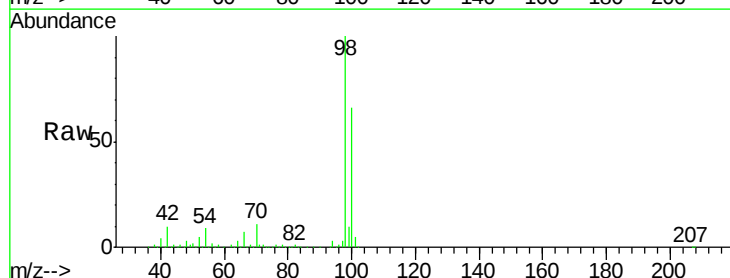
Acq: 21 Jul 2020 17:34

Tgt Ion: 98 Resp: 618475

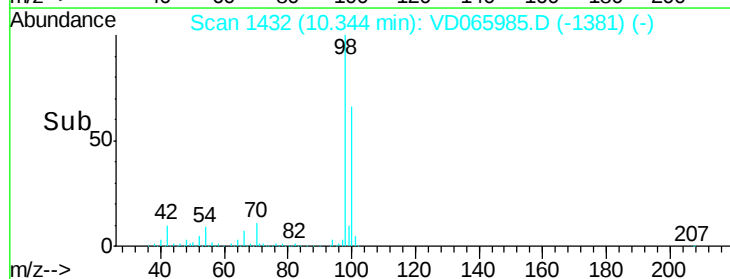
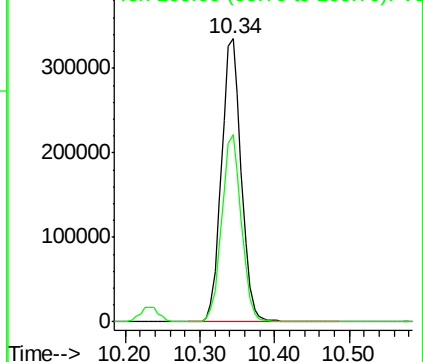
Ion Ratio Lower Upper

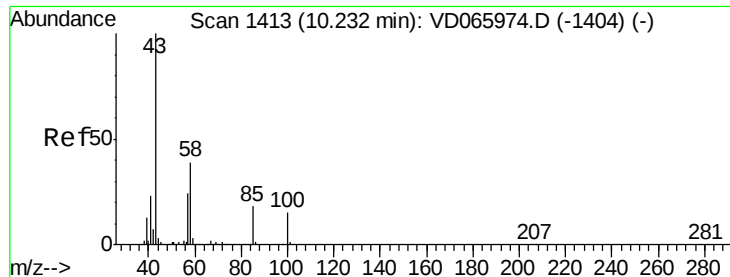
98 100

100 65.6 52.7 79.1



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





#51

4-Methyl-2-Pentanone

Concen: 114.592 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

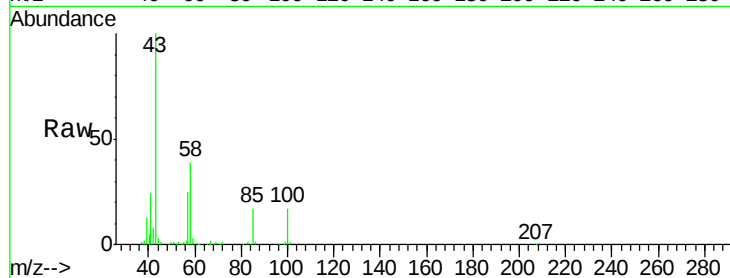
VD0721SBS01

Tot Ion: 43 Resp: 189303

Ion Ratio Lower Upper

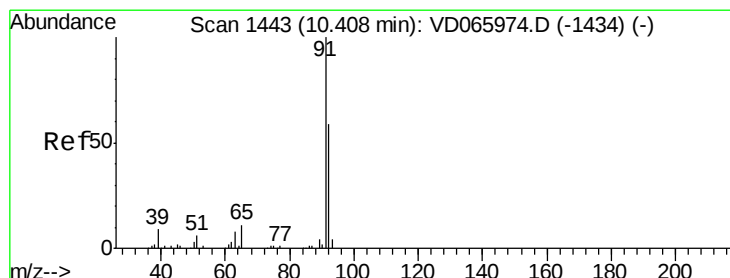
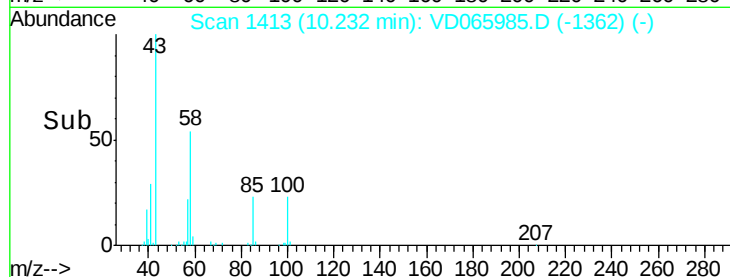
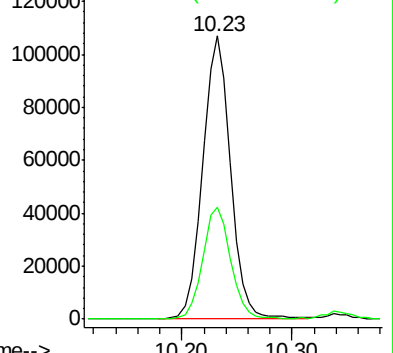
43 100

58 39.7 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 22.750 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065985.D

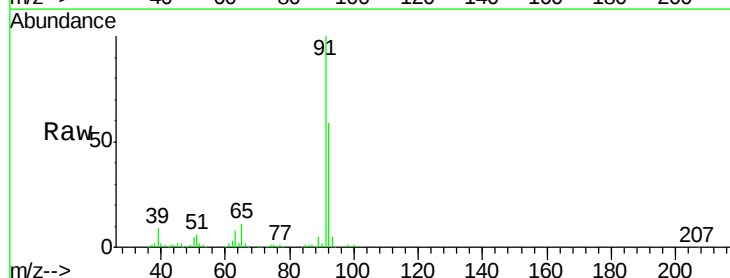
Acq: 21 Jul 2020 17:34

Tgt Ion: 92 Resp: 182444

Ion Ratio Lower Upper

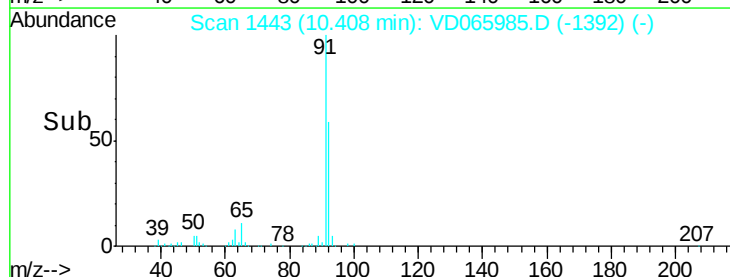
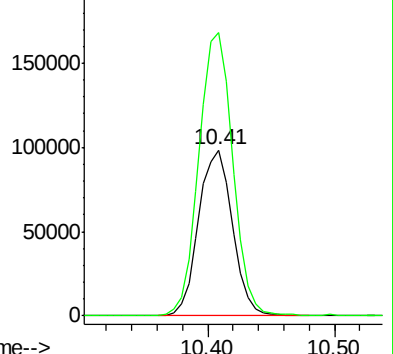
92 100

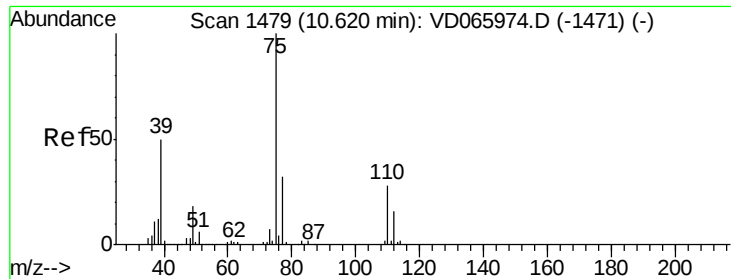
91 170.9 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 22.185 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

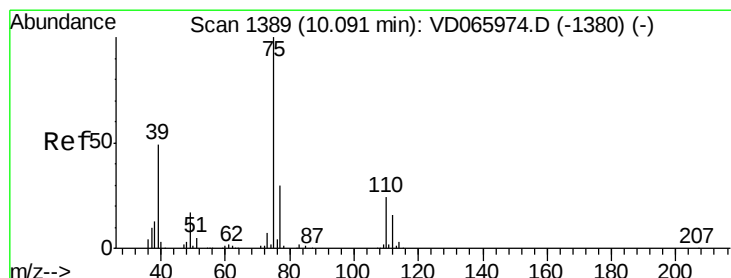
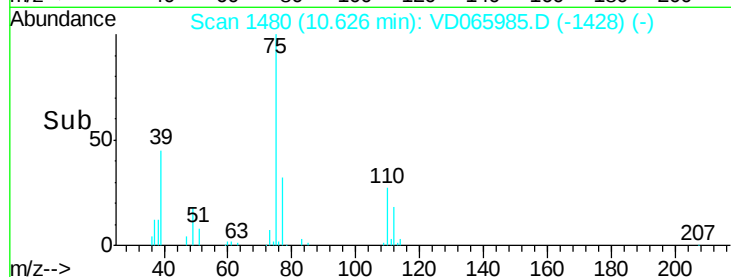
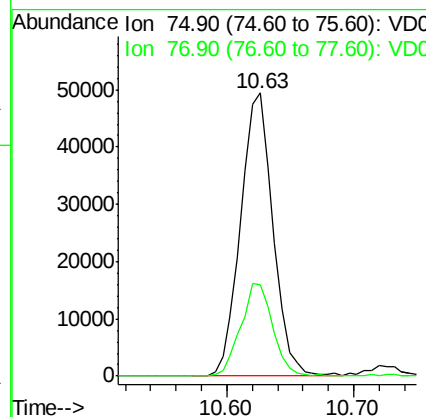
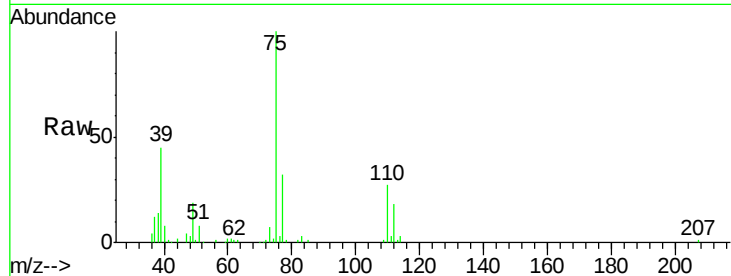
VD0721SBS01

Tot Ion: 75 Resp: 87621

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 23.311 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

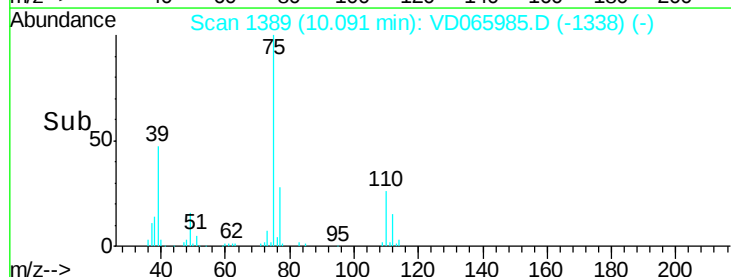
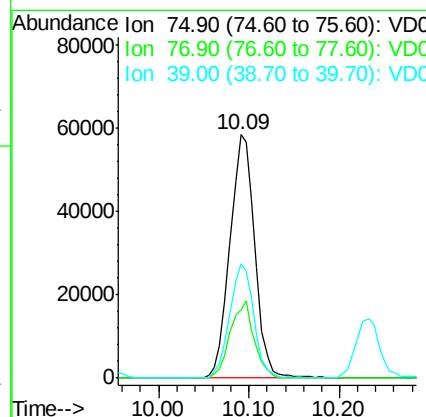
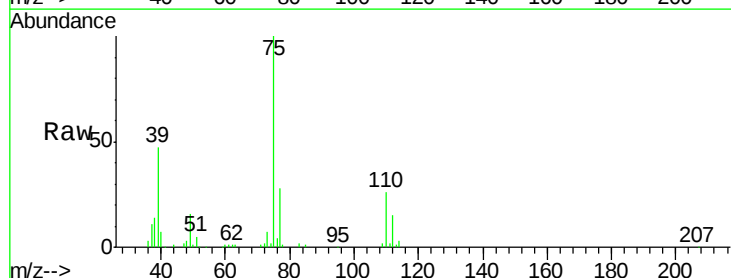
Tgt Ion: 75 Resp: 111605

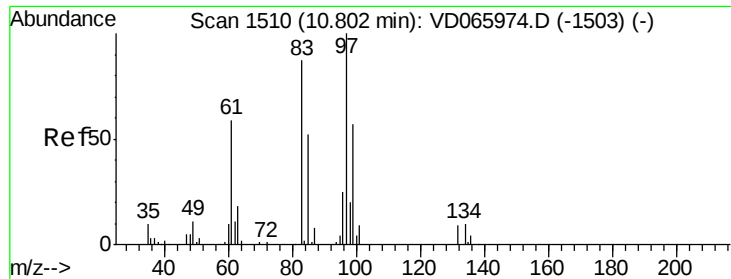
Ion Ratio Lower Upper

75 100

77 28.2 23.8 35.8

39 46.9 38.8 58.2





#55

1,1,2-Trichloroethane

Concen: 23.074 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion: 97 Resp: 52467

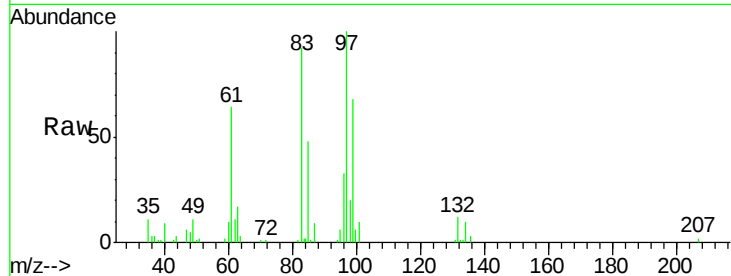
Ion	Ratio	Lower	Upper
97	100		
83	92.0	69.7	104.5
85	47.9	41.6	62.4
99	67.7	45.9	68.9

97 100

83 92.0 69.7 104.5

85 47.9 41.6 62.4

99 67.7 45.9 68.9



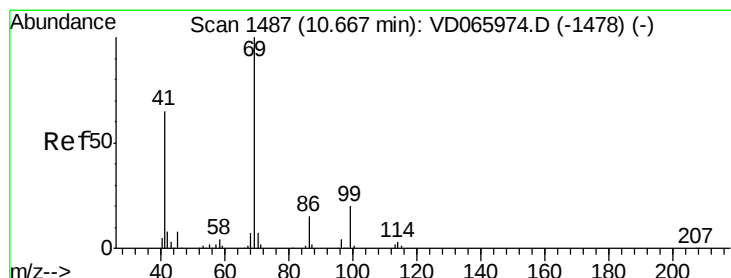
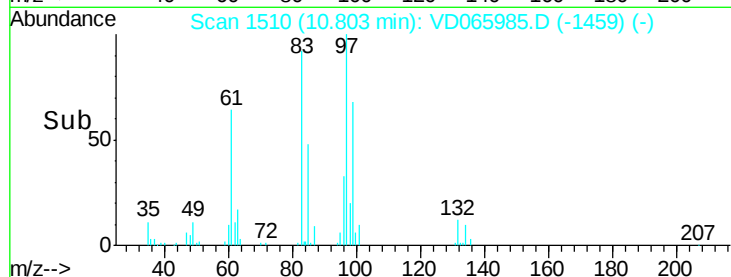
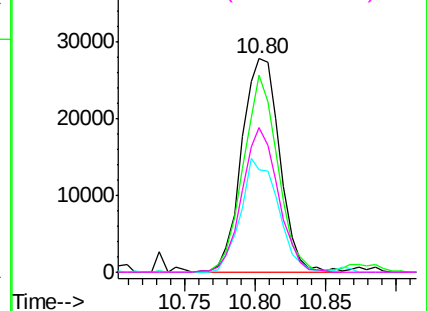
Abundance

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: 22.875 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

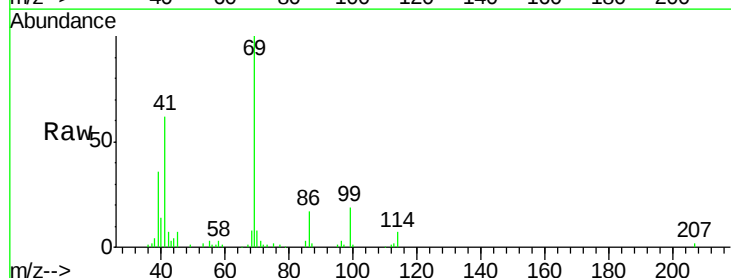
Tgt Ion: 69 Resp: 60477

Ion	Ratio	Lower	Upper
69	100		
41	68.5	52.3	78.5
39	31.2	25.2	37.8

69 100

41 68.5 52.3 78.5

39 31.2 25.2 37.8

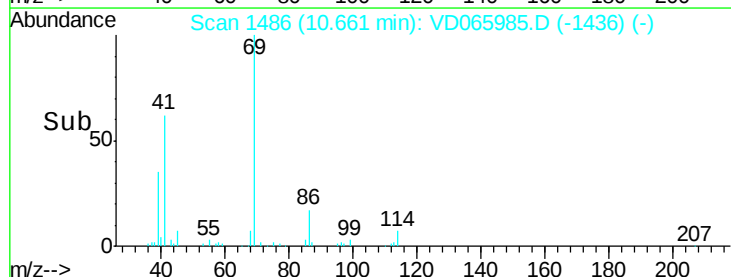
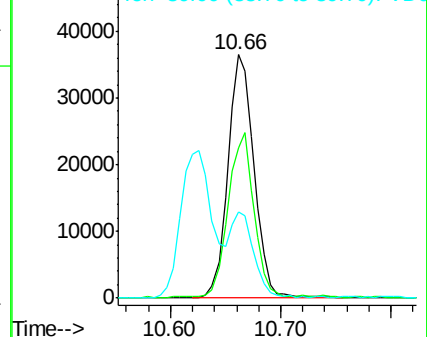


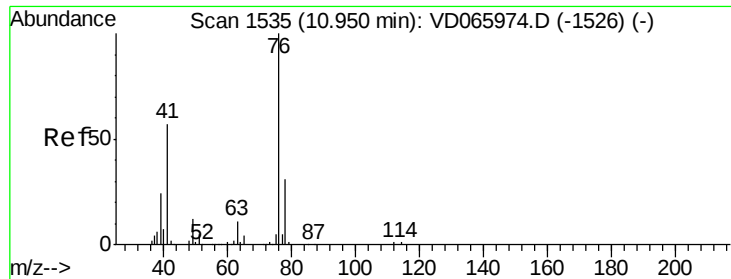
Abundance

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

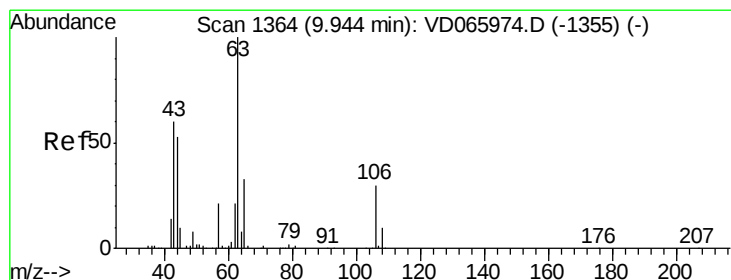
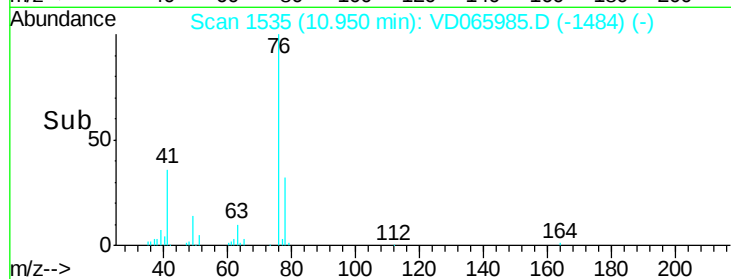
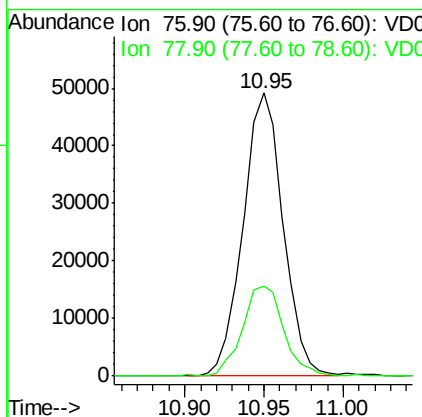
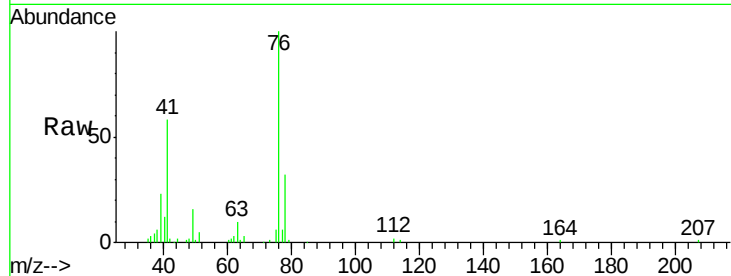




#57
 1,3-Dichloropropane
 Concen: 22.944 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

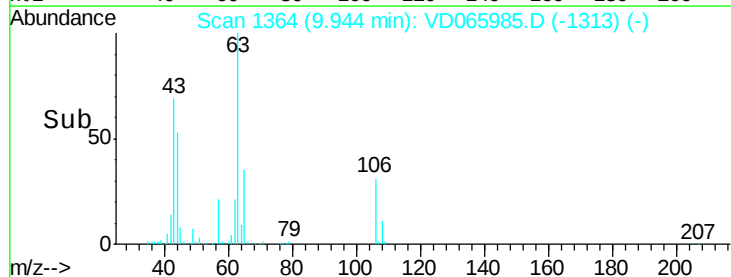
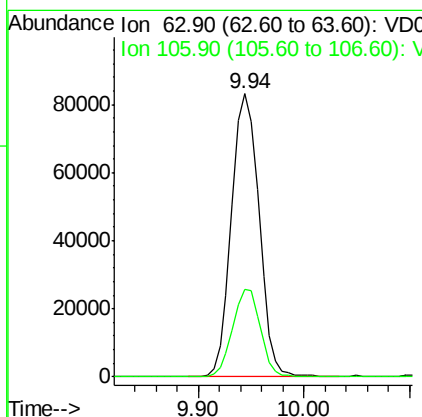
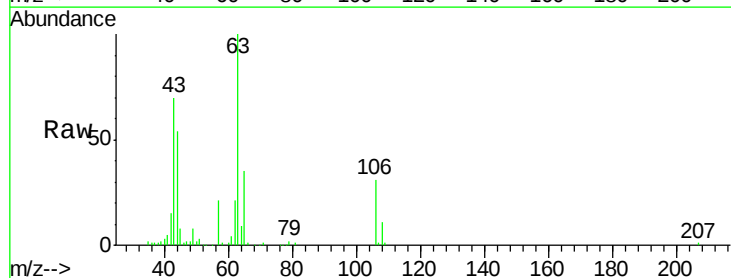
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBS01

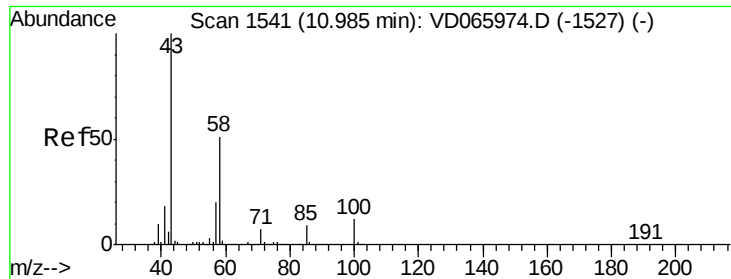
Tot Ion: 76 Resp: 86368
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 119.401 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Tgt Ion: 63 Resp: 150795
 Ion Ratio Lower Upper
 63 100
 106 30.9 24.4 36.6

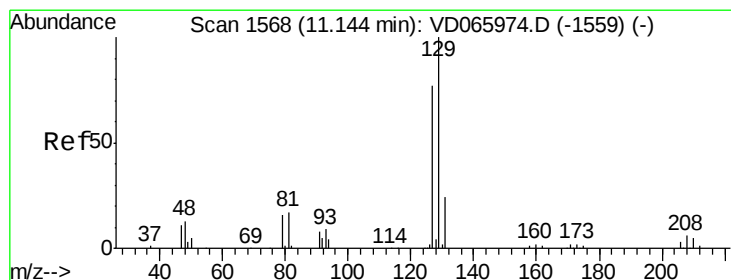
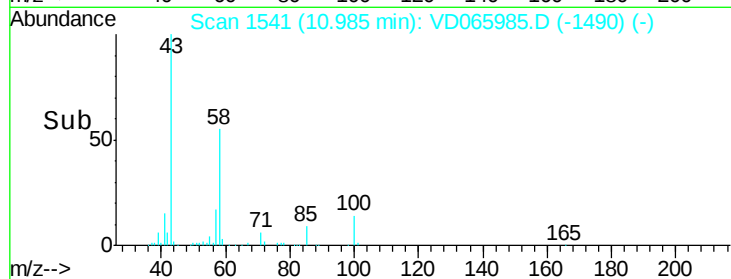
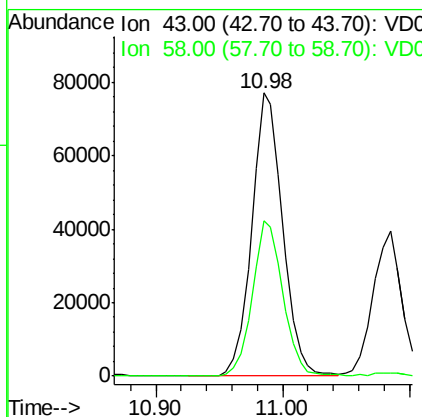
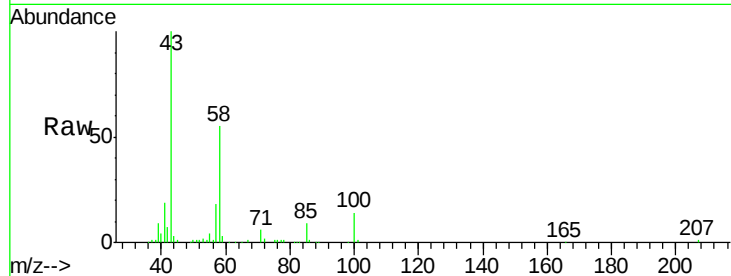




#59
2-Hexanone
Concen: 114.322 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

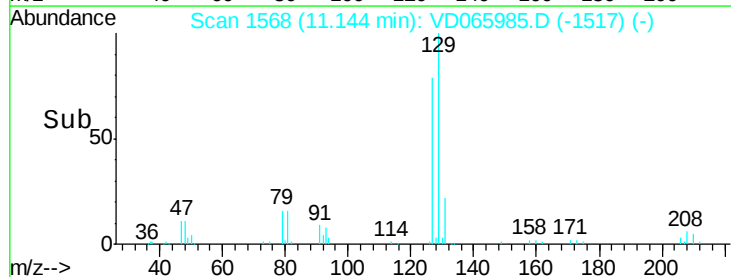
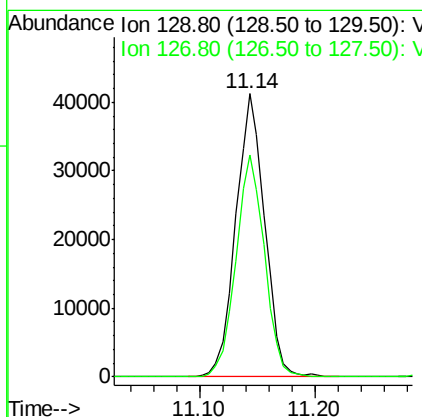
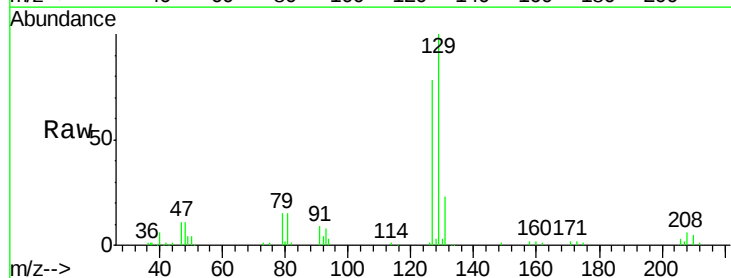
Instrument :
MSVOA_D
ClientSampleId :
VD0721SBSD01

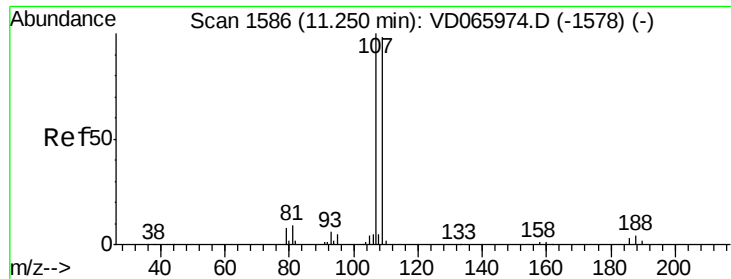
Tot Ion: 43 Resp: 130876
Ion Ratio Lower Upper
43 100
58 54.2 26.2 78.6



#60
Dibromochloromethane
Concen: 23.303 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion: 129 Resp: 71446
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.7

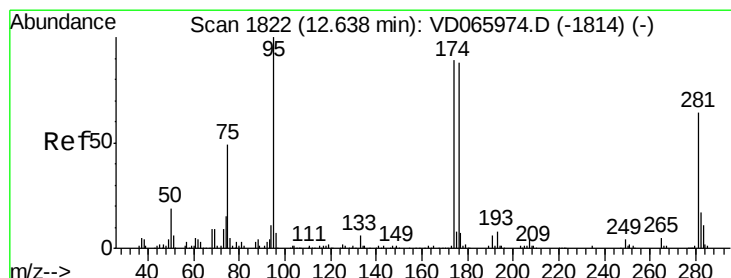
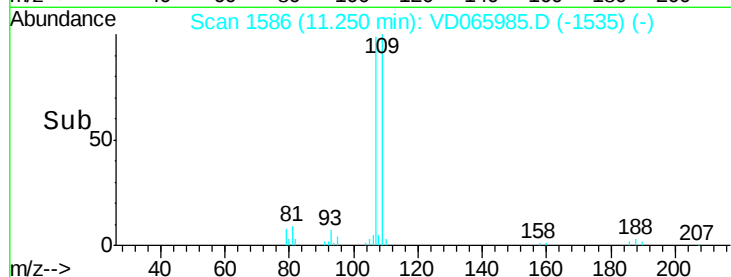
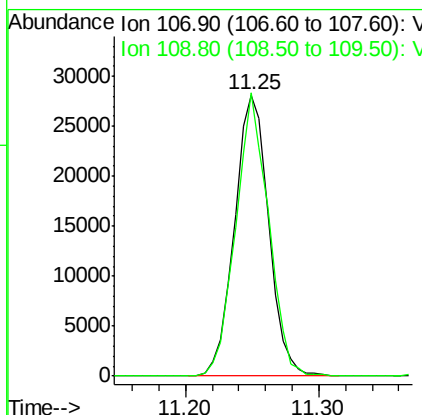
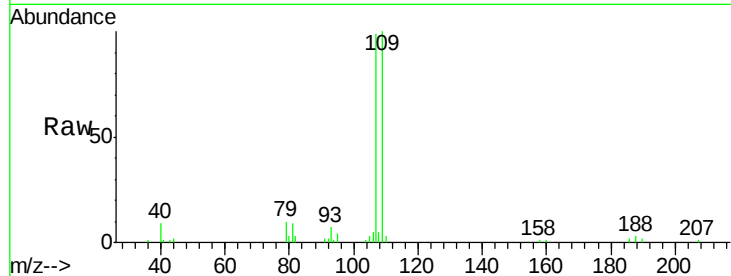




#61
 1,2-Dibromoethane
 Concen: 22.709 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

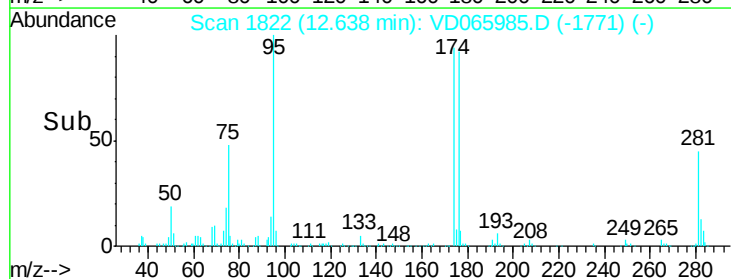
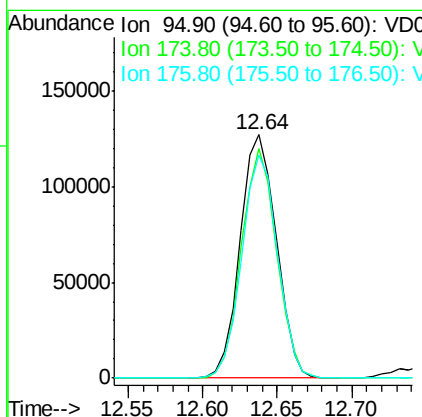
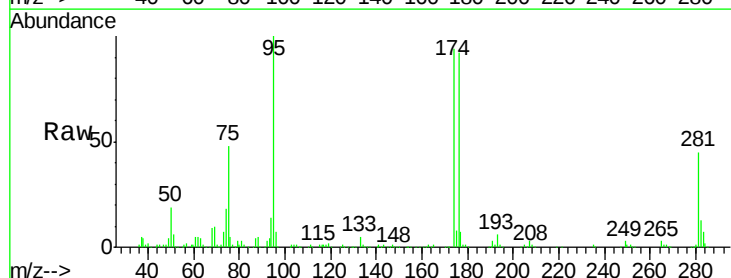
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBS01

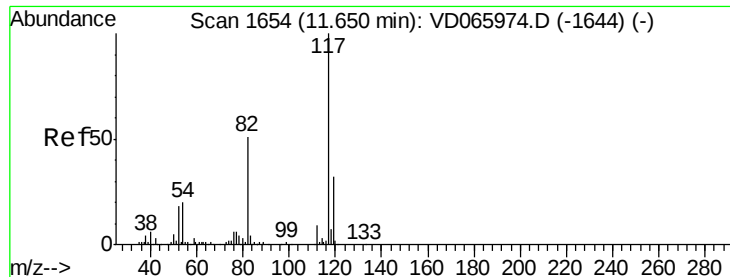
Tot Ion:107 Resp: 49788
 Ion Ratio Lower Upper
 107 100
 109 96.6 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 53.057 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Tgt Ion: 95 Resp: 214087
 Ion Ratio Lower Upper
 95 100
 174 91.4 0.0 178.8
 176 90.2 0.0 172.6

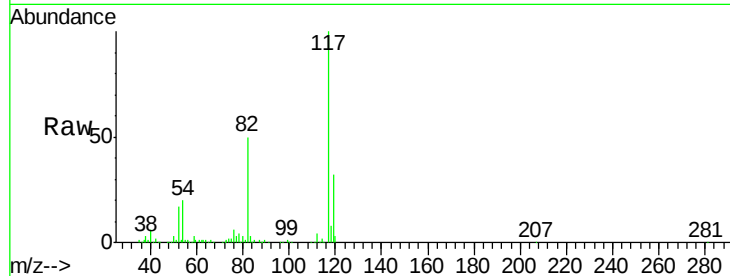




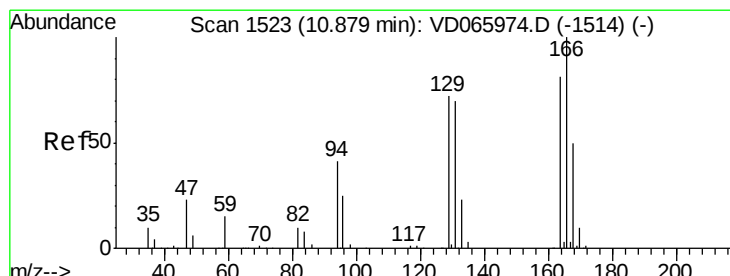
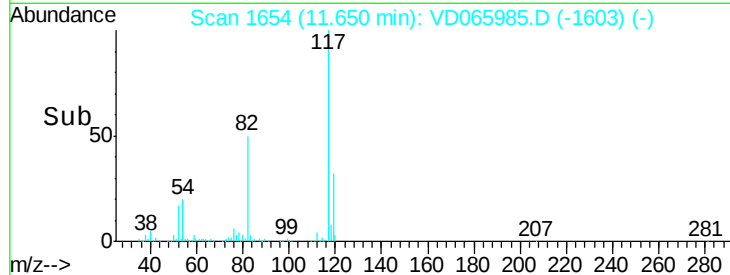
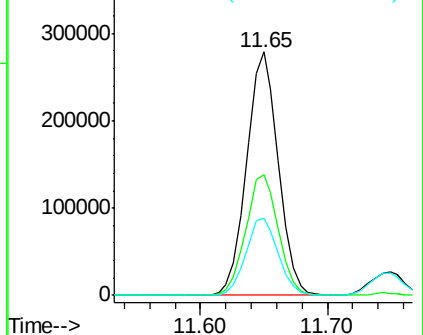
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBSD01

Tot Ion:117 Resp: 482995
Ion Ratio Lower Upper
117 100
82 49.7 41.1 61.7
119 31.9 25.9 38.9

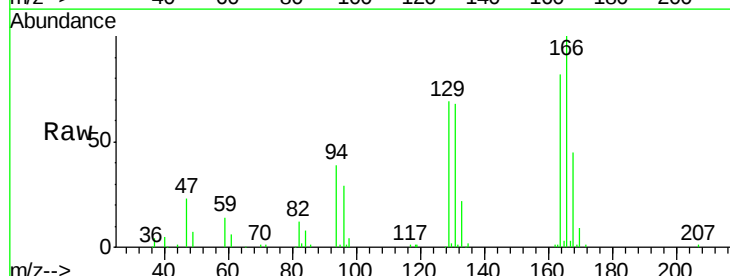


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

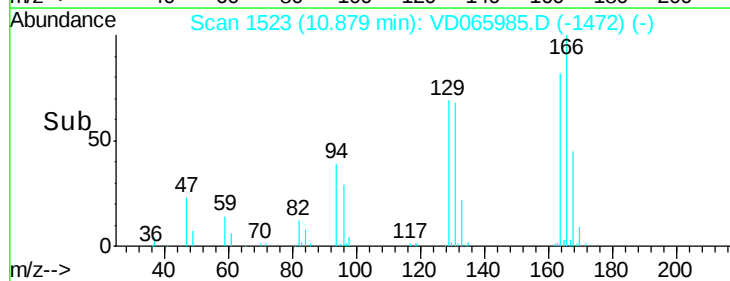
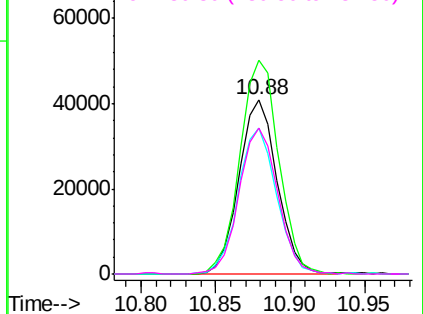


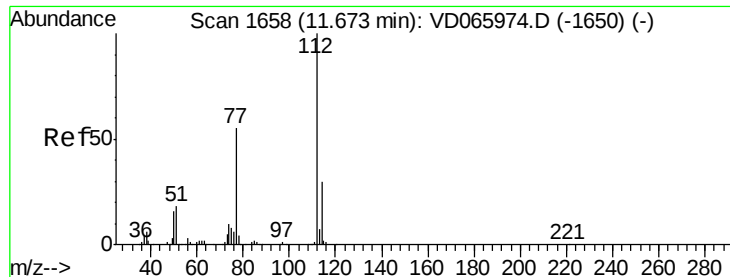
#64
Tetrachloroethene
Concen: 22.132 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion:164 Resp: 72555
Ion Ratio Lower Upper
164 100
166 122.3 99.1 148.7
129 83.8 71.5 107.3
131 83.5 69.8 104.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 22.623 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

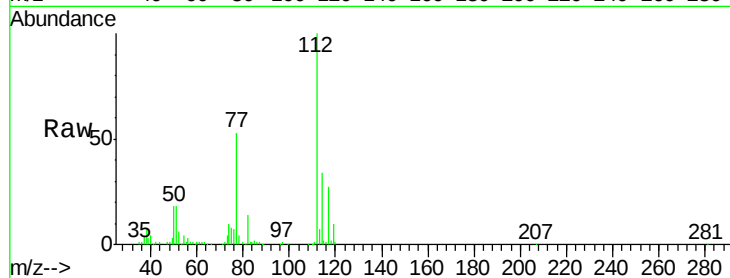
VD0721SBS01

Tot Ion:112 Resp: 200065

Ion Ratio Lower Upper

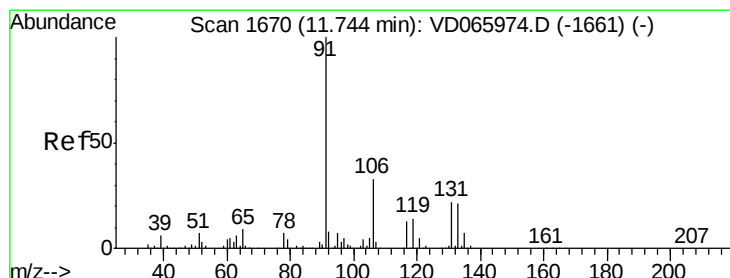
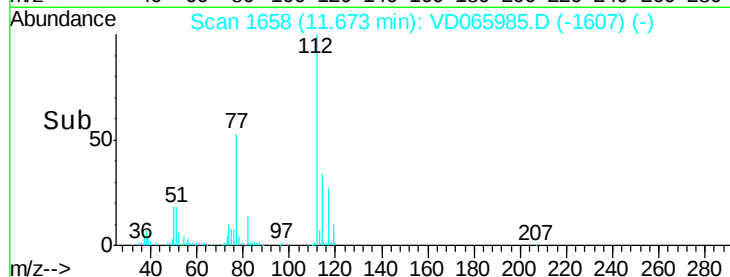
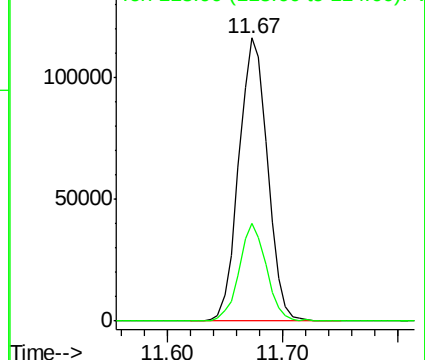
112 100

114 34.4 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: 22.922 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

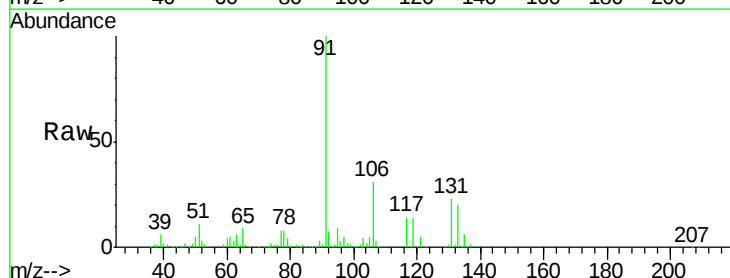
Tgt Ion:131 Resp: 74848

Ion Ratio Lower Upper

131 100

133 96.3 47.3 142.0

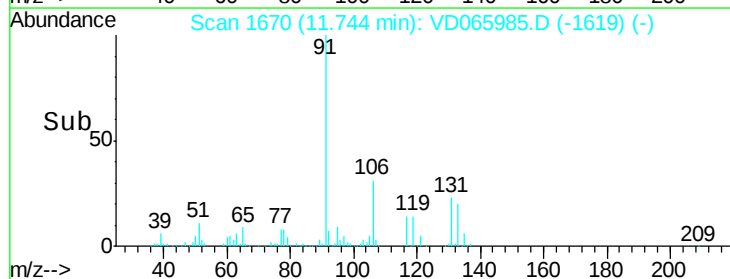
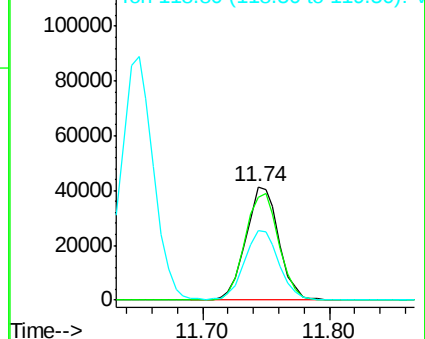
119 64.0 31.7 95.1

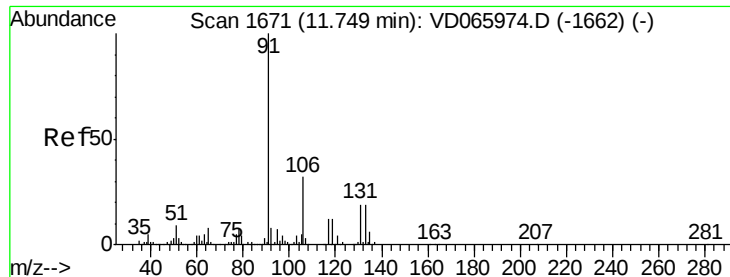


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 22.068 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

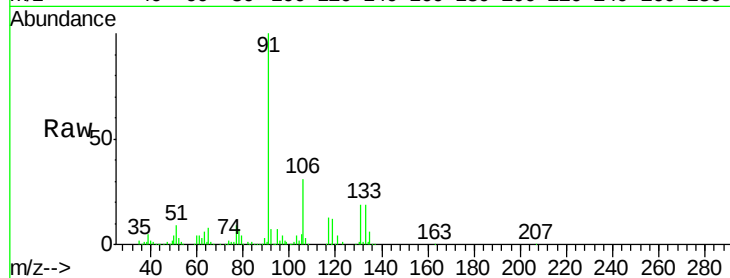
VD0721SBS01

Tot Ion: 91 Resp: 335841

Ion Ratio Lower Upper

91 100

106 31.0 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VD065974.D (-1662) (-)

Ion 106.00 (105.70 to 106.70): VD065974.D (-1662) (-)

250000

200000

150000

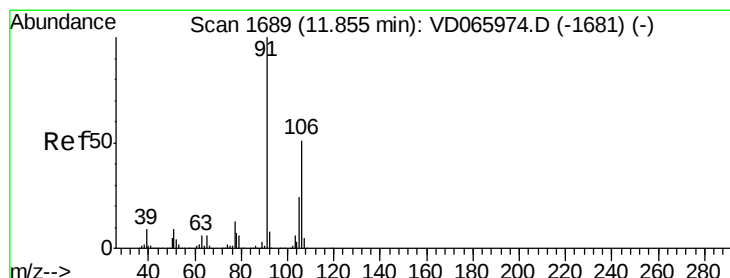
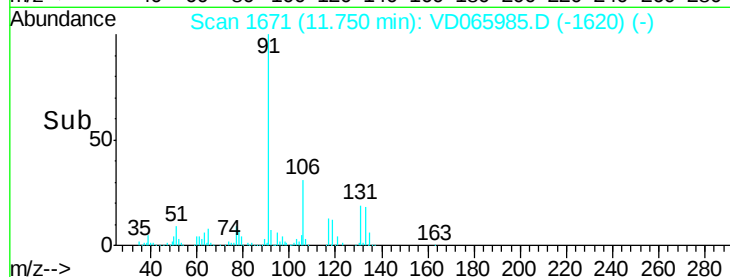
100000

50000

0

11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 46.516 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065985.D

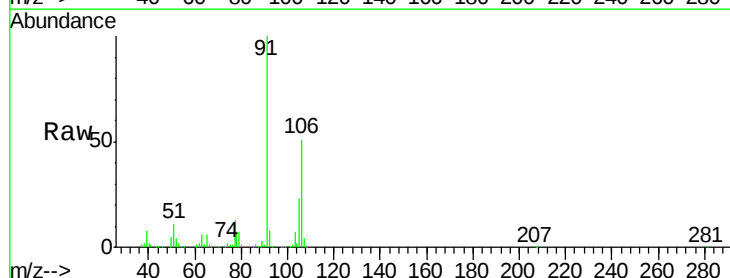
Acq: 21 Jul 2020 17:34

Tgt Ion: 106 Resp: 272091

Ion Ratio Lower Upper

106 100

91 191.5 157.0 235.6



Abundance Ion 106.00 (105.70 to 106.70): VD065974.D (-1681) (-)

Ion 91.00 (90.70 to 91.70): VD065974.D (-1681) (-)

300000

250000

200000

150000

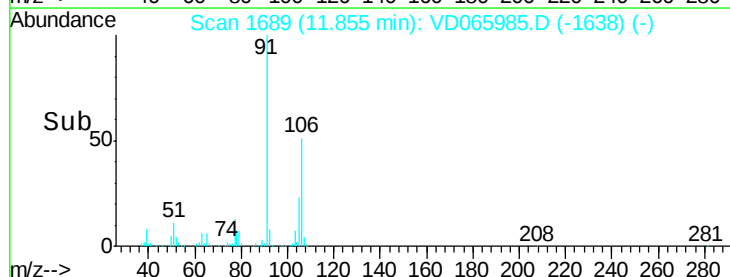
100000

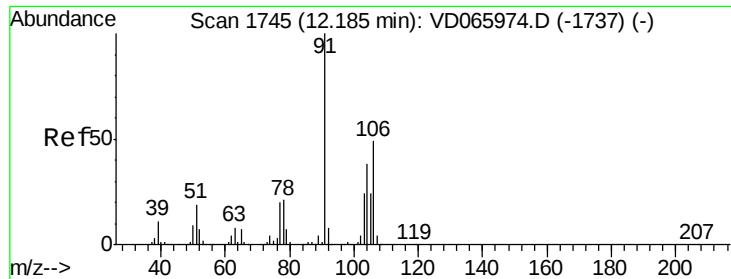
50000

0

11.80 11.85 11.90

Time-->

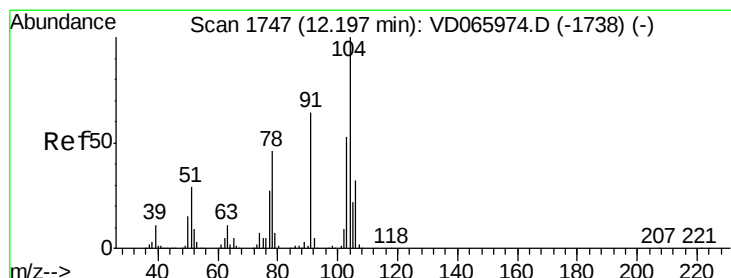
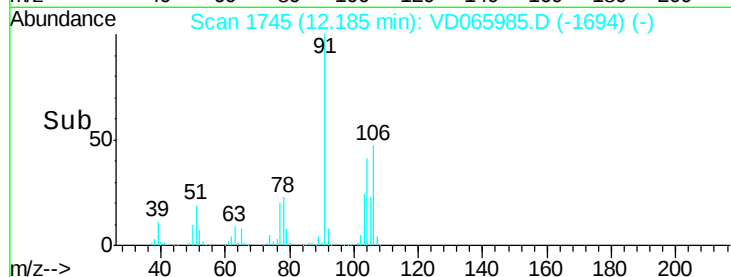
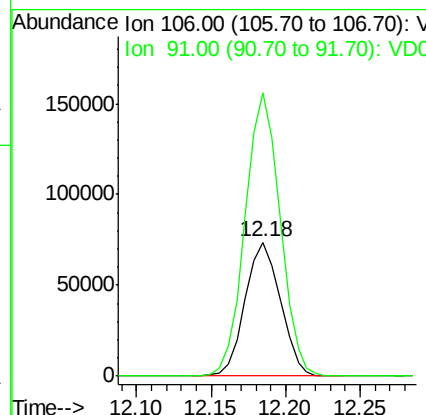
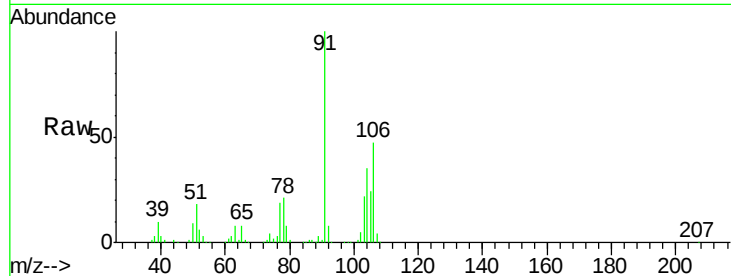




#69
o-Xylene
Concen: 22.800 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

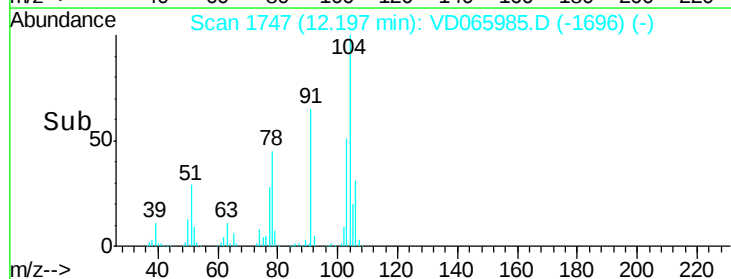
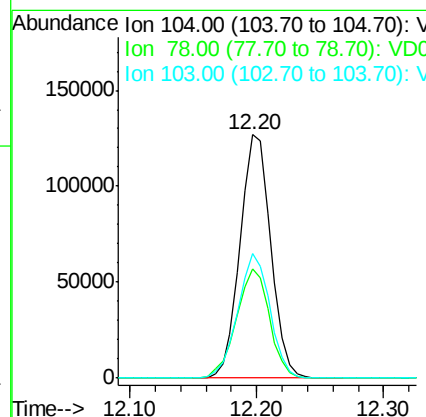
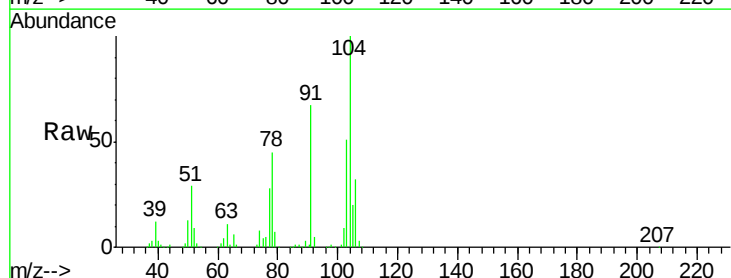
Instrument :
MSVOA_D
ClientSampleId :
VD0721SBSD01

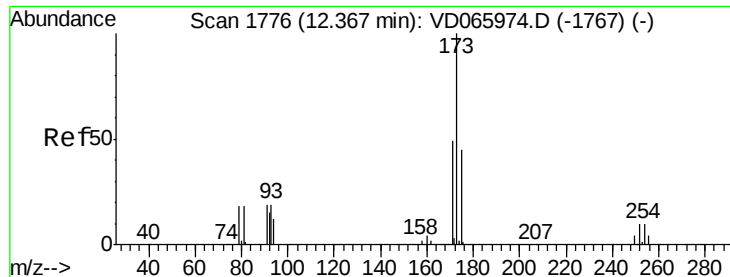
Tot Ion:106 Resp: 121300
Ion Ratio Lower Upper
106 100
91 209.0 103.1 309.3



#70
Styrene
Concen: 23.277 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion:104 Resp: 212776
Ion Ratio Lower Upper
104 100
78 48.0 38.3 57.5
103 53.7 43.8 65.8





#71

Bromoform

Concen: 22.316 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBSD01

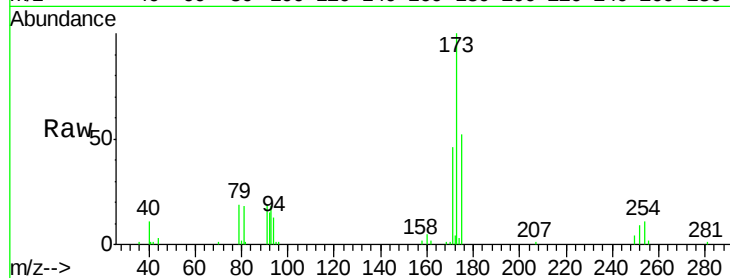
Tot Ion:173 Resp: 42684

Ion Ratio Lower Upper

173 100

175 51.2 24.1 72.3

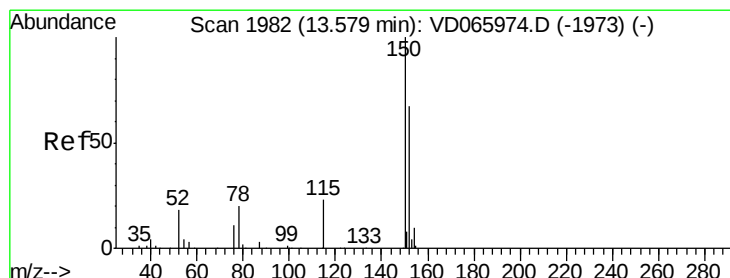
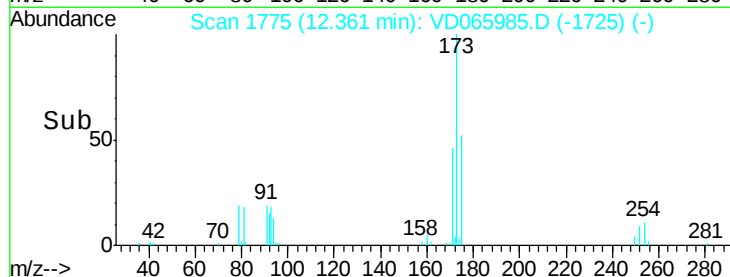
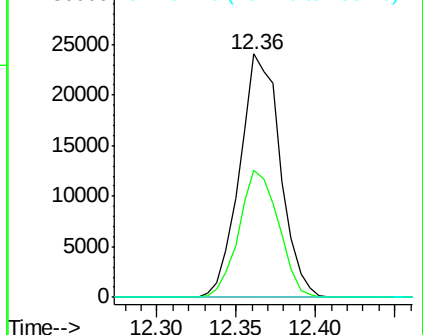
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

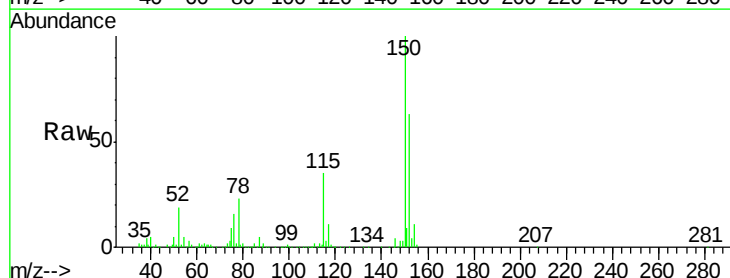
Tgt Ion:152 Resp: 244242

Ion Ratio Lower Upper

152 100

115 55.0 27.9 83.7

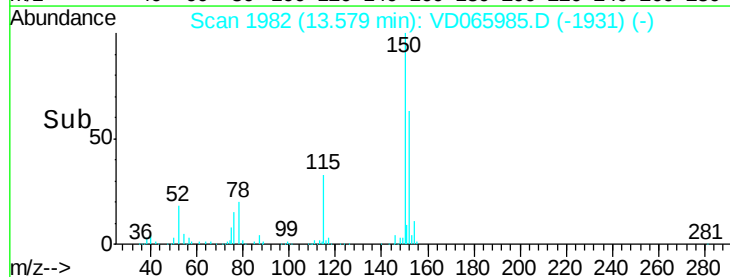
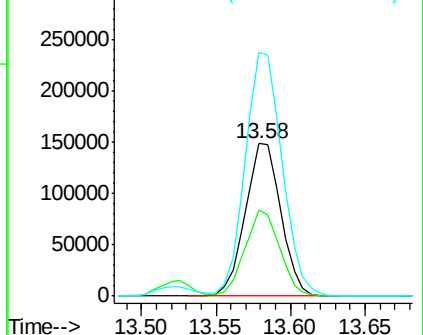
150 166.4 0.0 348.2

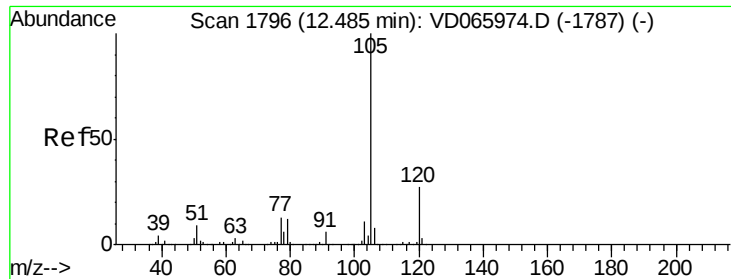


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.860 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

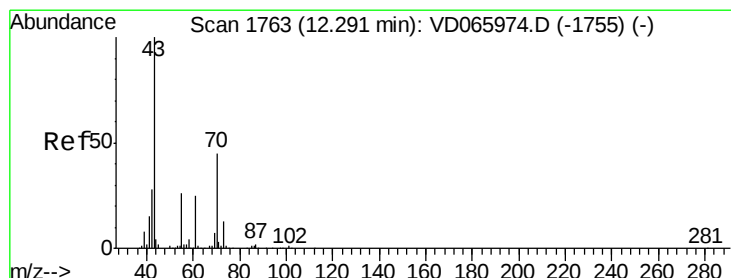
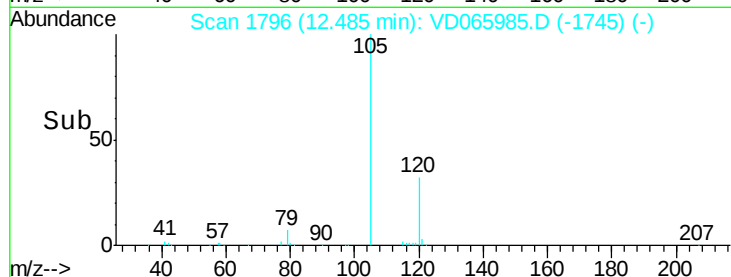
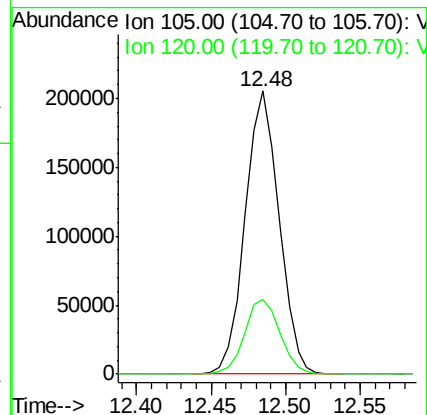
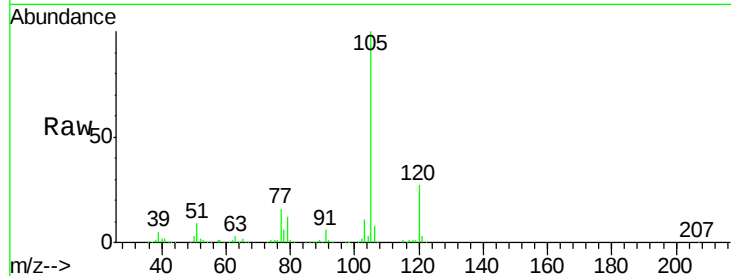
VD0721SBS01

Tot Ion:105 Resp: 323072

Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.8



#74

N-ethyl acetate

Concen: 22.764 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Tgt Ion: 43 Resp: 69755

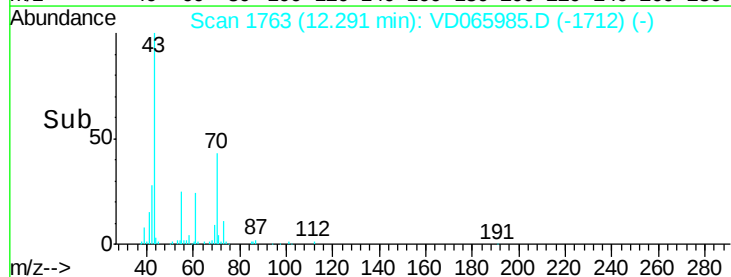
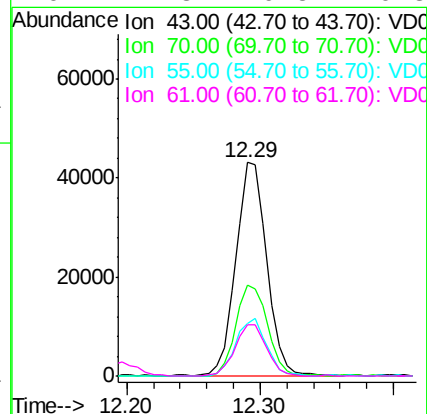
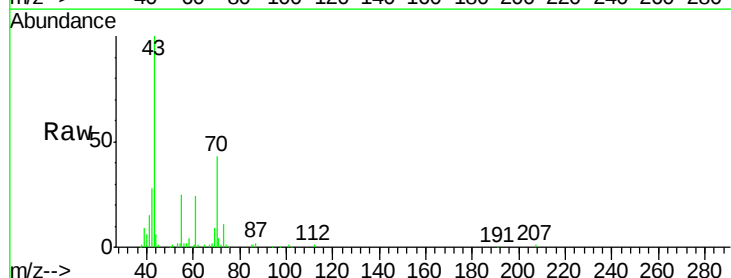
Ion Ratio Lower Upper

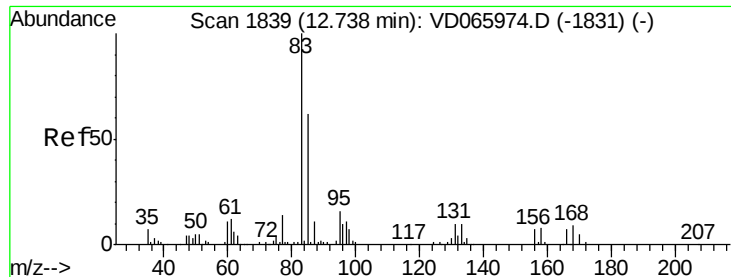
43 100

70 43.5 34.6 51.8

55 26.5 20.3 30.5

61 24.3 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 23.081 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBSD01

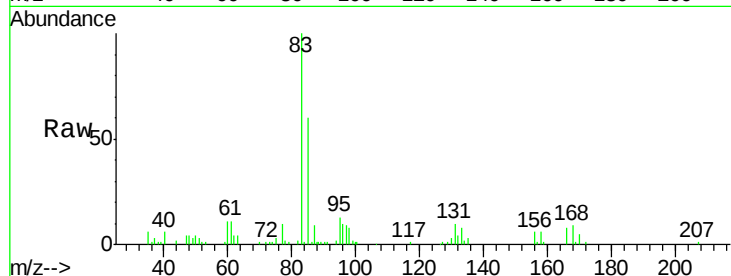
Tot Ion: 83 Resp: 56374

Ion Ratio Lower Upper

83 100

131 12.0 5.7 17.1

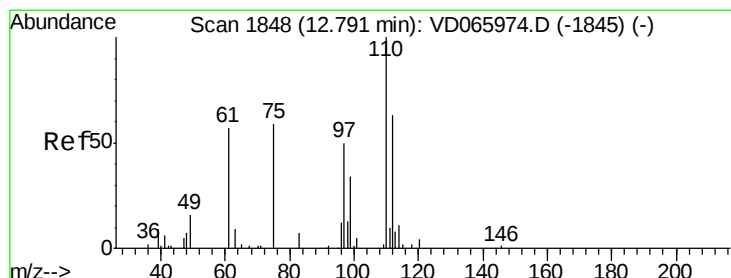
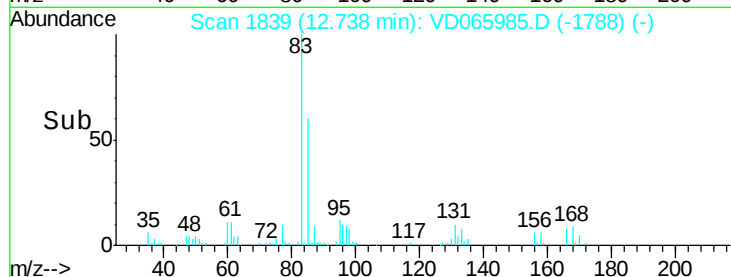
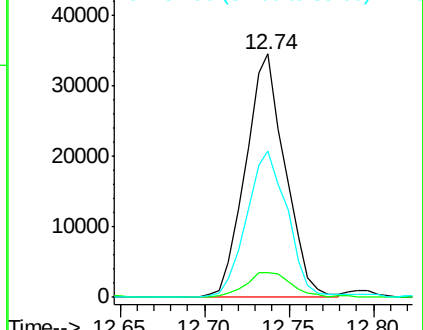
85 62.9 31.9 95.5



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: 37.701 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065985.D

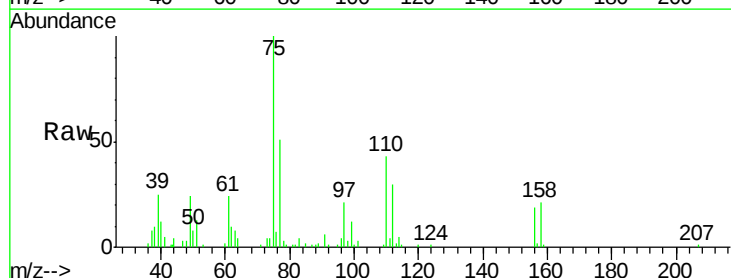
Acq: 21 Jul 2020 17:34

Tgt Ion: 75 Resp: 69332

Ion Ratio Lower Upper

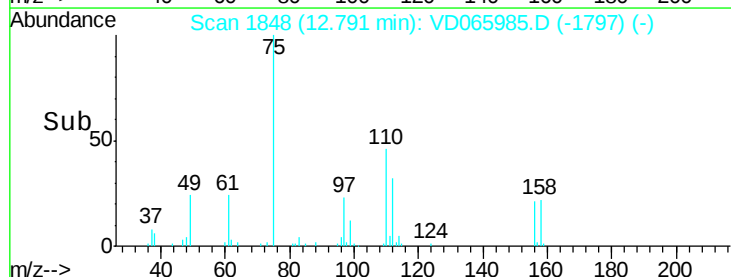
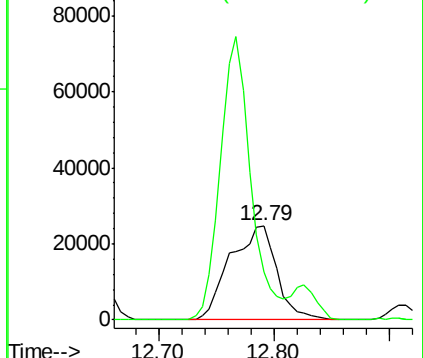
75 100

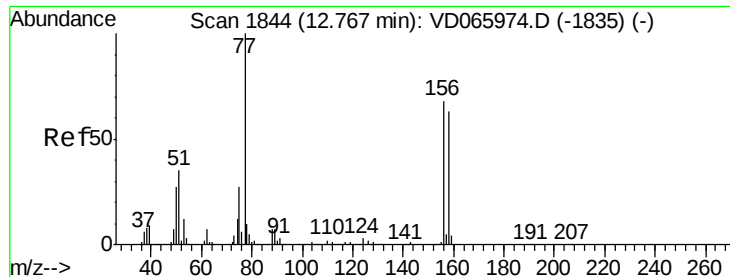
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 22.463 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

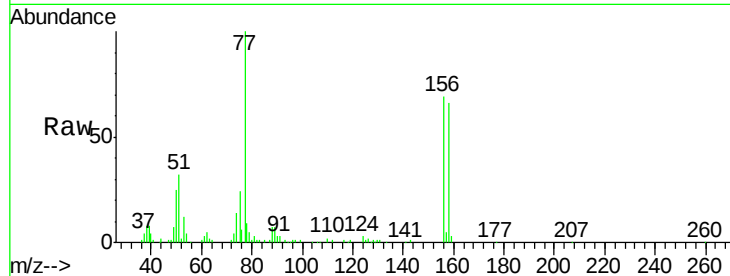
Tot Ion:156 Resp: 84842

Ion Ratio Lower Upper

156 100

77 161.7 83.0 249.0

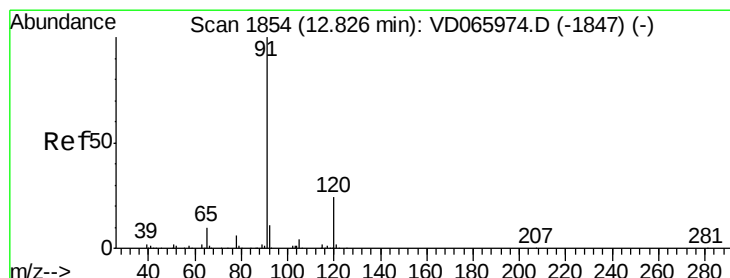
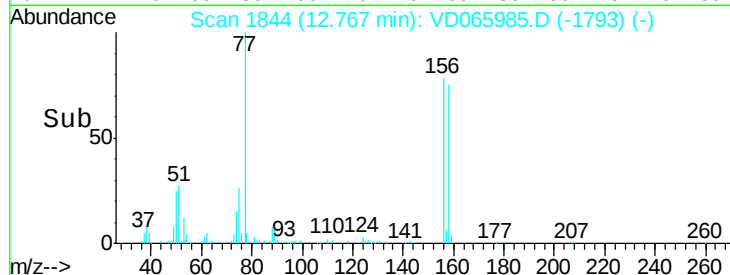
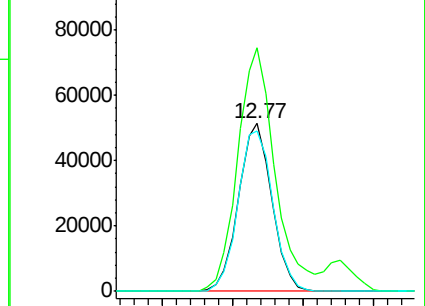
158 99.6 48.2 144.6



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: 22.483 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065985.D

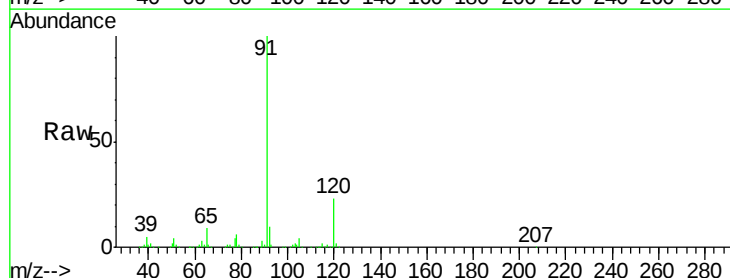
Acq: 21 Jul 2020 17:34

Tgt Ion: 91 Resp: 385575

Ion Ratio Lower Upper

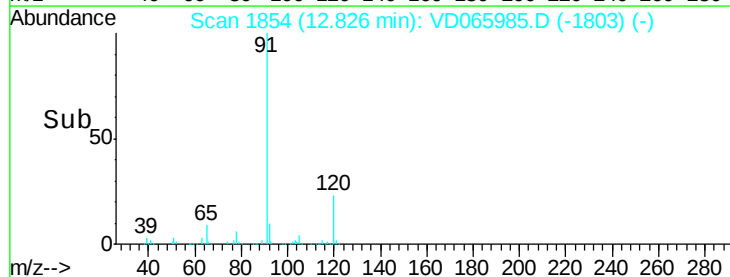
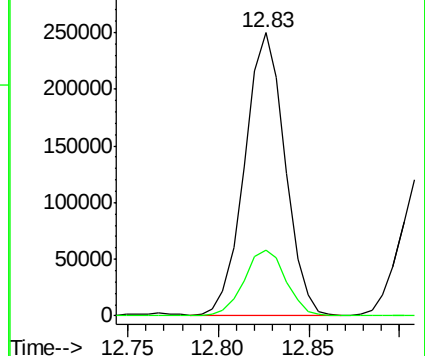
91 100

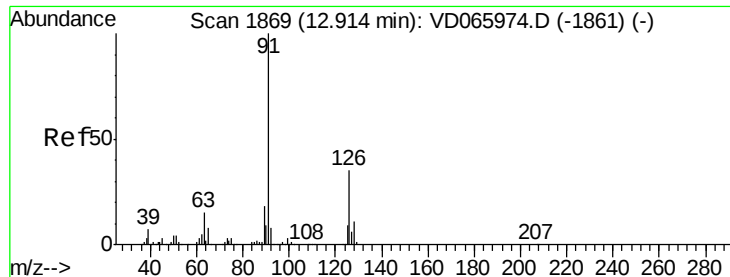
120 24.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.267 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

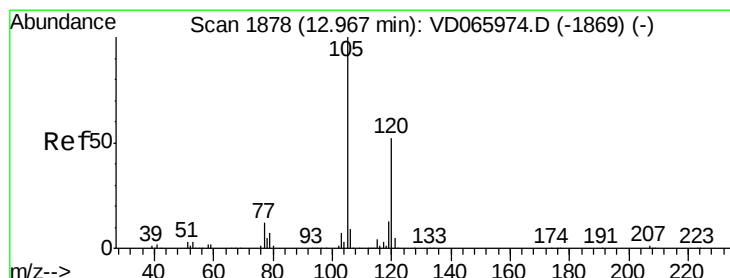
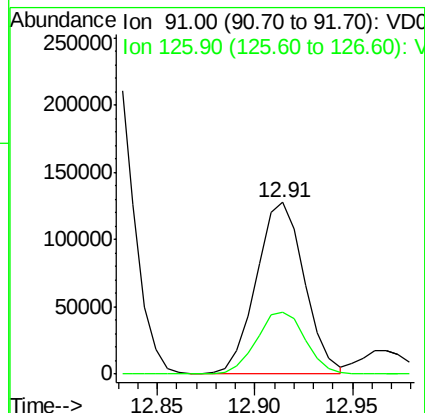
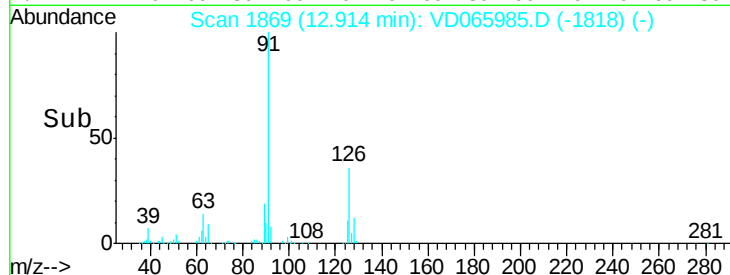
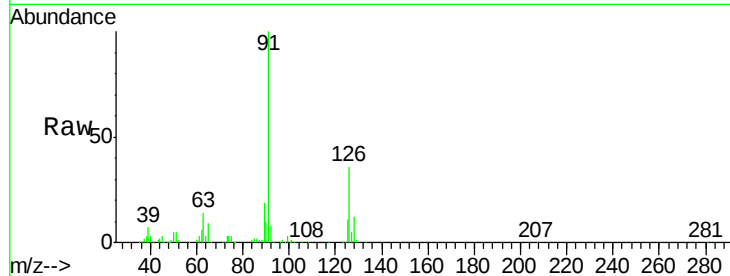
VD0721SBS01

Tot Ion: 91 Resp: 218170

Ion Ratio Lower Upper

91 100

126 36.5 17.7 53.1



#80

1,3,5-Trimethylbenzene

Concen: 22.698 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065985.D

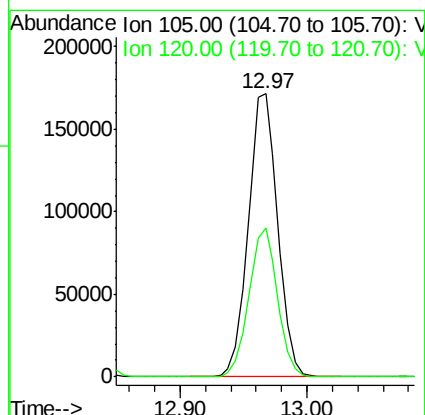
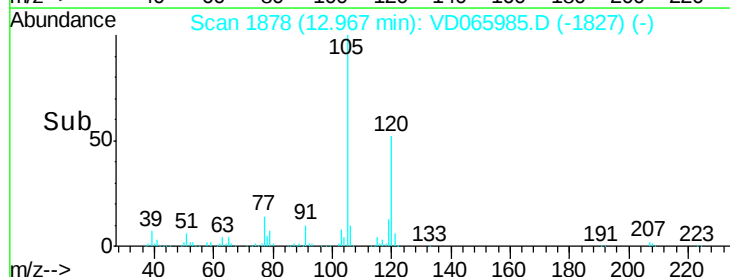
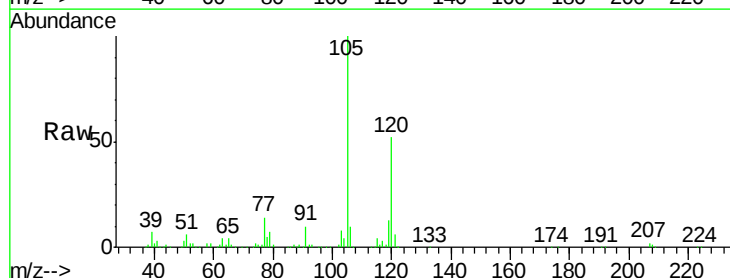
Acq: 21 Jul 2020 17:34

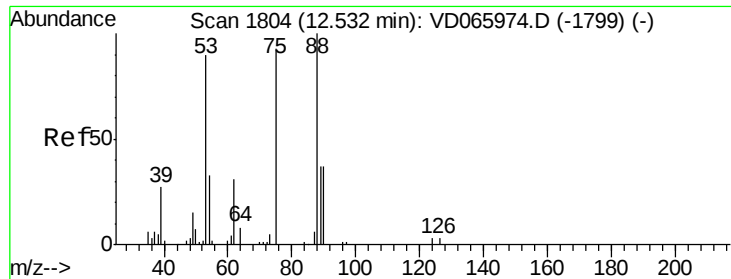
Tgt Ion: 105 Resp: 275604

Ion Ratio Lower Upper

105 100

120 51.2 25.6 76.6





#81

trans-1,4-Dichloro-2-butene

Concen: 22.376 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

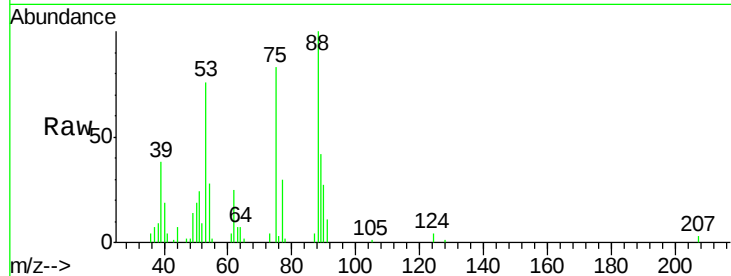
Tot Ion: 75 Resp: 17933

Ion Ratio Lower Upper

75 100

53 94.7 76.8 115.2

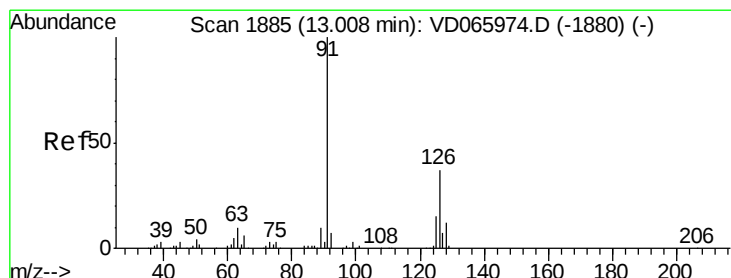
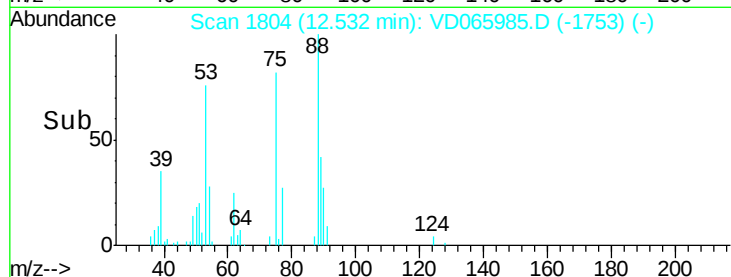
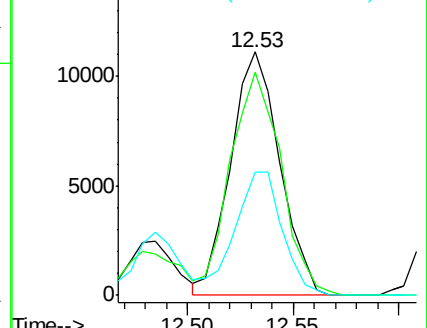
89 49.6 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 22.331 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD065985.D

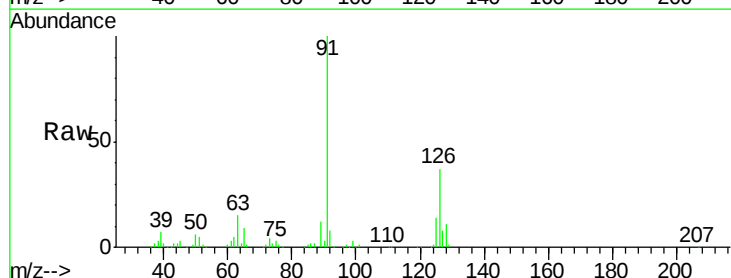
Acq: 21 Jul 2020 17:34

Tgt Ion: 91 Resp: 230941

Ion Ratio Lower Upper

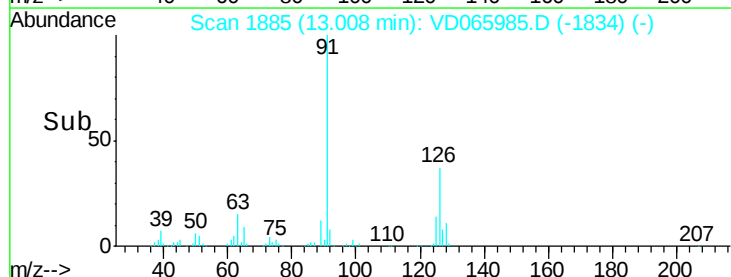
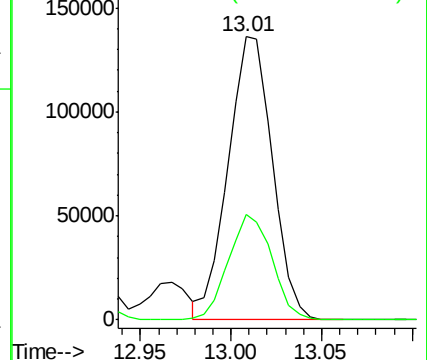
91 100

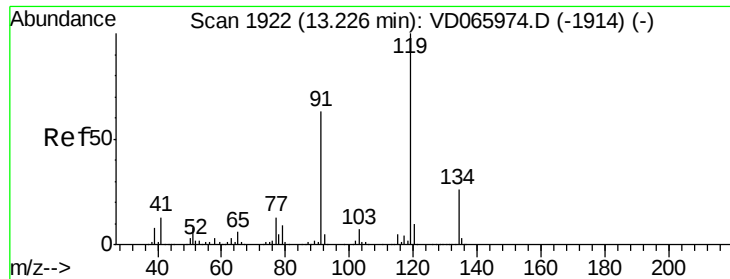
126 36.6 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

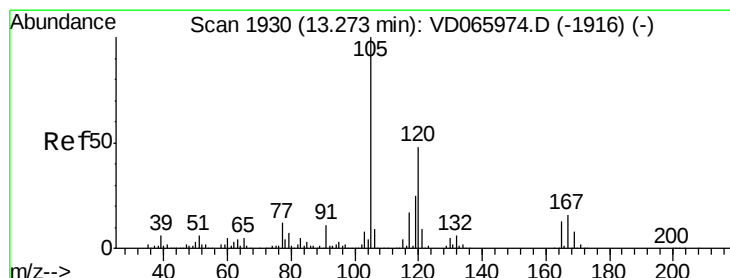
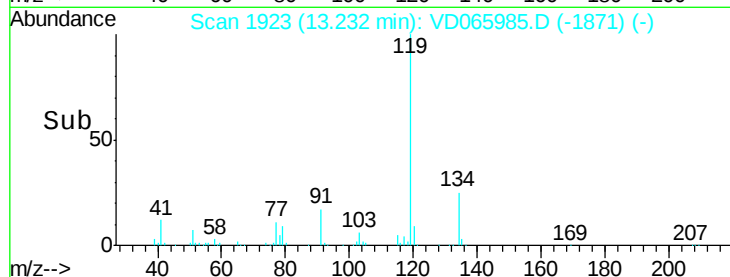
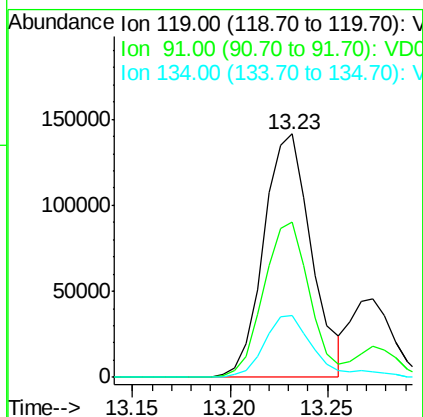
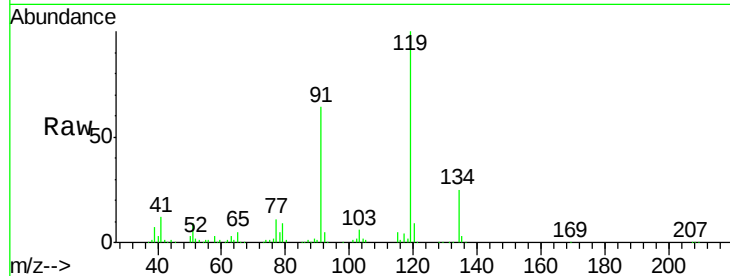




#83
 tert-Butylbenzene
 Concen: 22.544 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

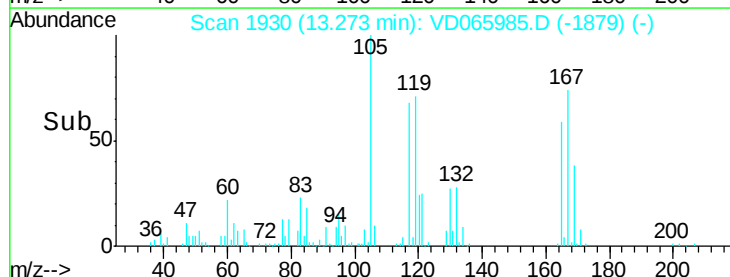
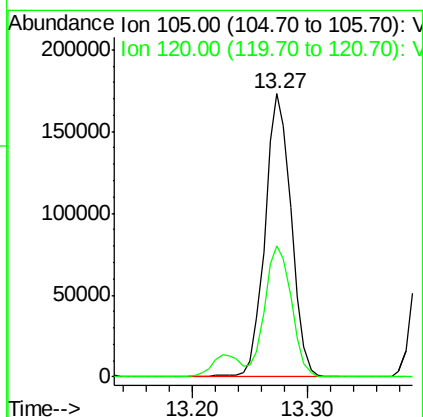
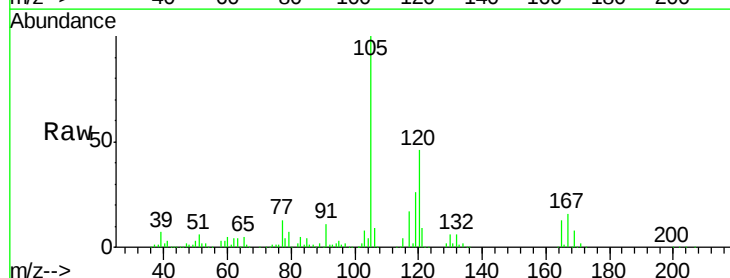
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBS01

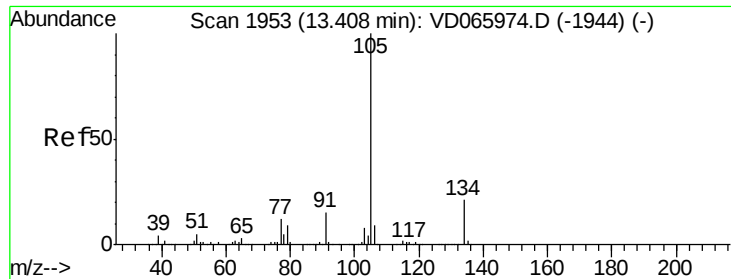
Tot Ion:119 Resp: 239528
 Ion Ratio Lower Upper
 119 100
 91 61.4 30.6 91.6
 134 27.0 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 22.914 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Tgt Ion:105 Resp: 274488
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.9 71.8





#85

sec-Butylbenzene

Concen: 22.355 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

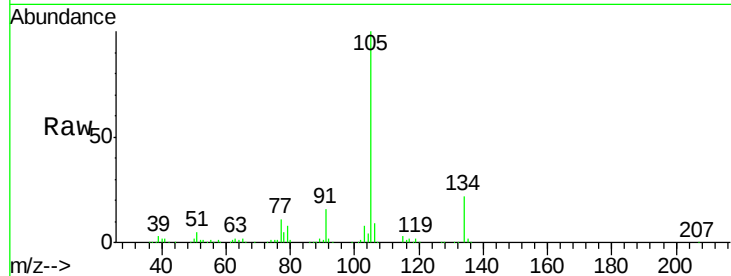
VD0721SBS01

Tot Ion:105 Resp: 327168

Ion Ratio Lower Upper

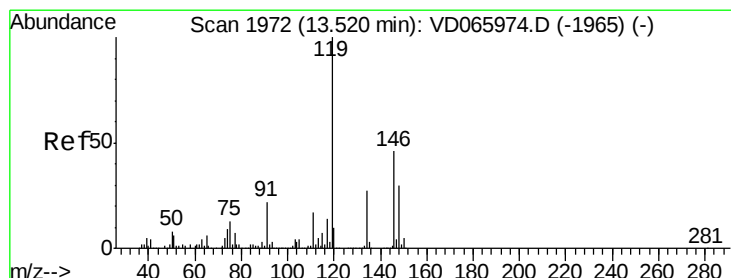
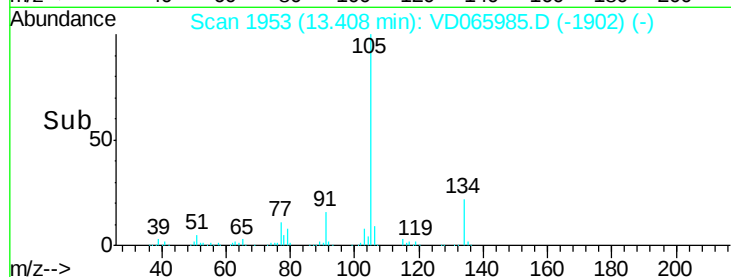
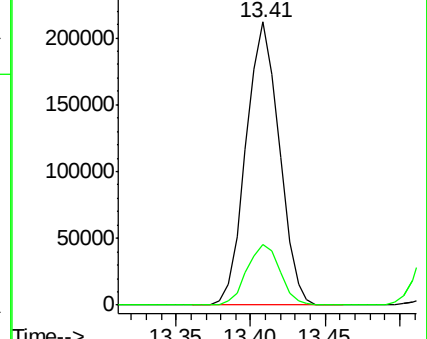
105 100

134 21.4 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.968 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

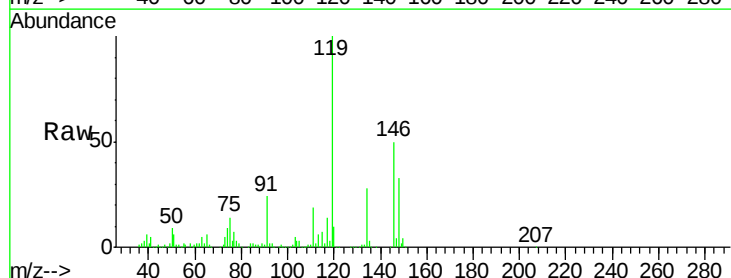
Tgt Ion:119 Resp: 305376

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

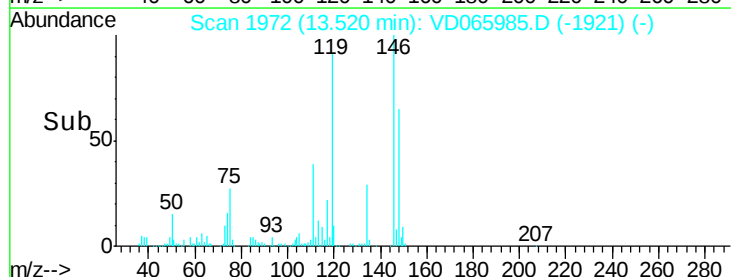
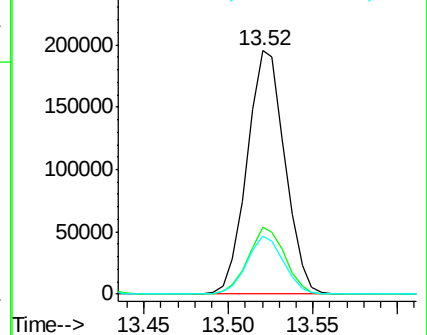
91 23.1 11.1 33.3

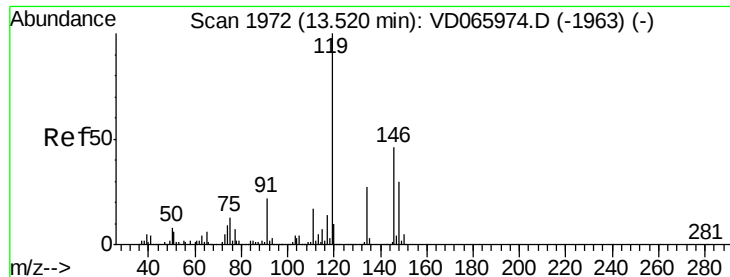


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

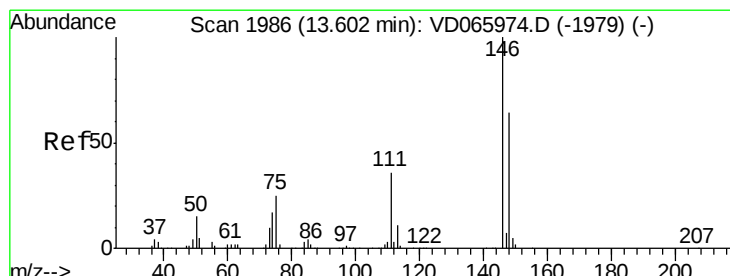
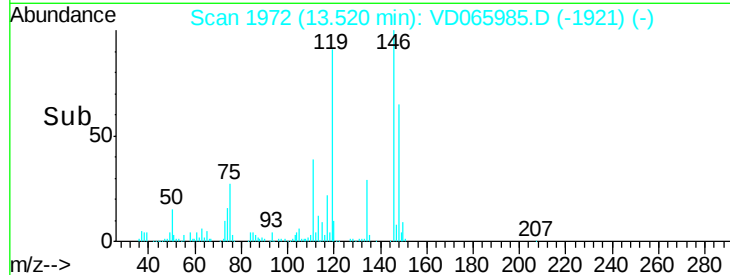
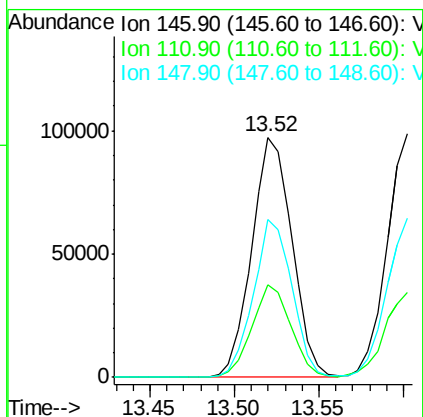
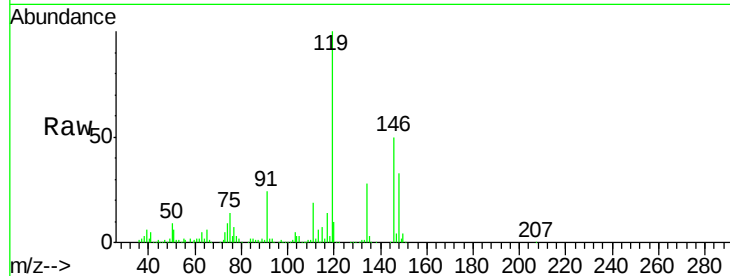




#87
 1,3-Dichlorobenzene
 Concen: 23.108 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

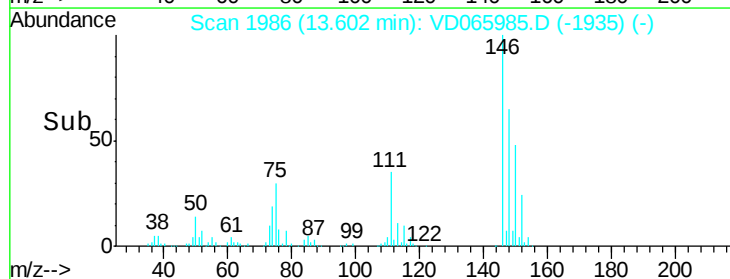
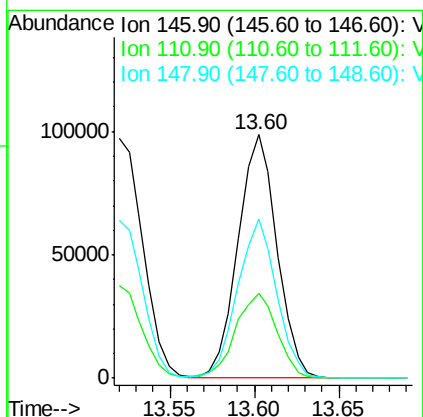
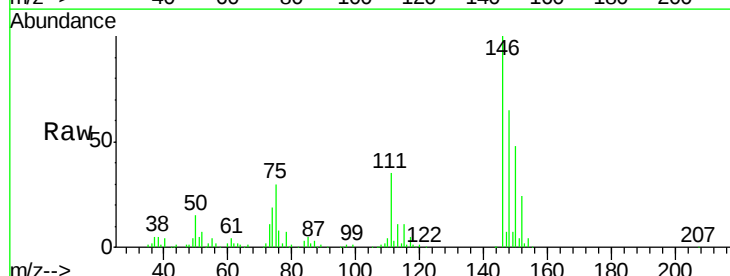
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBSD01

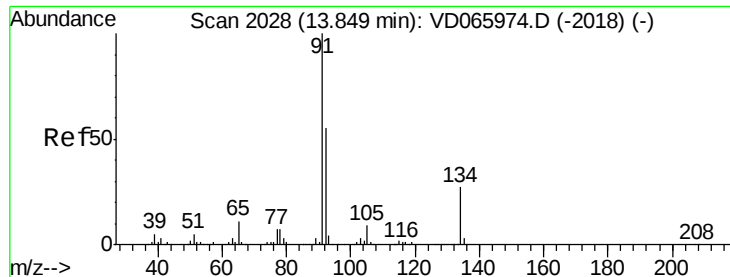
Tot Ion:146 Resp: 162047
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.6 55.6
 148 62.8 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 22.396 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Tgt Ion:146 Resp: 158766
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.8 56.4
 148 65.4 32.2 96.6

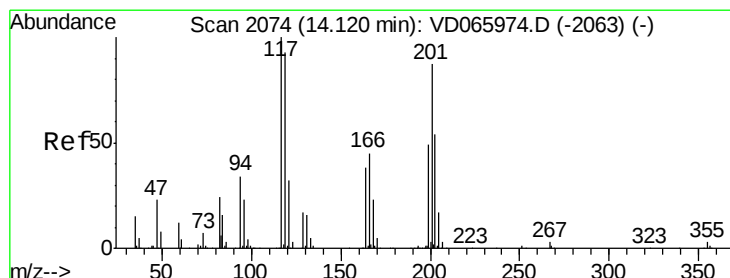
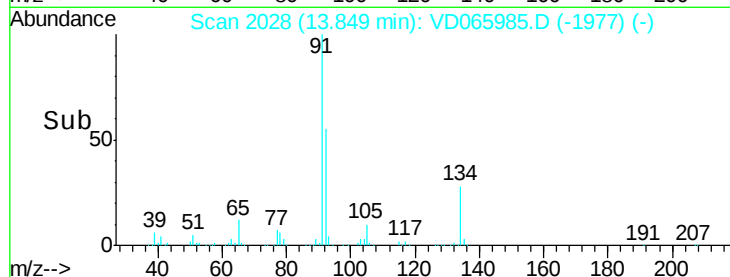
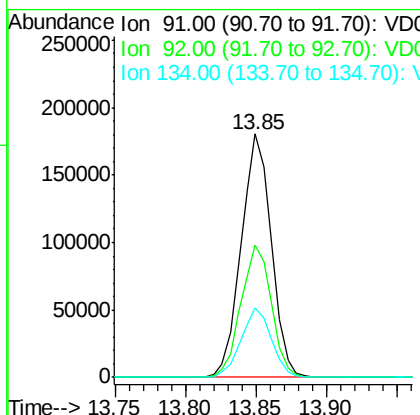
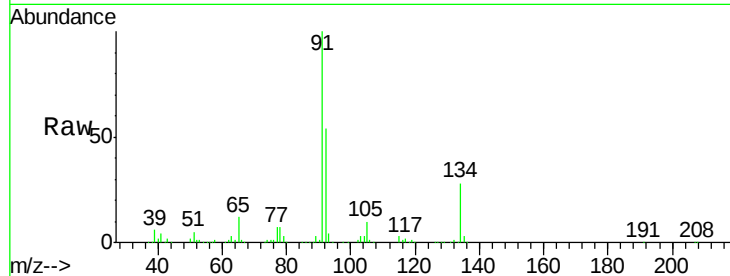




#89
n-Butylbenzene
Concen: 21.770 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

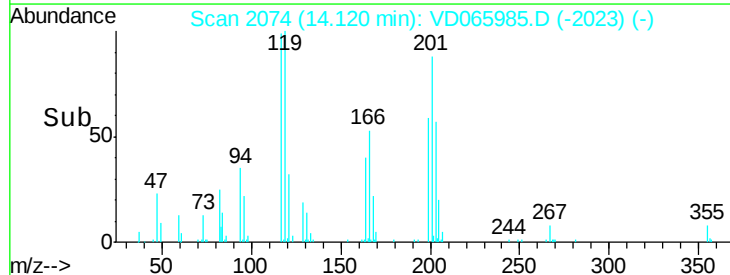
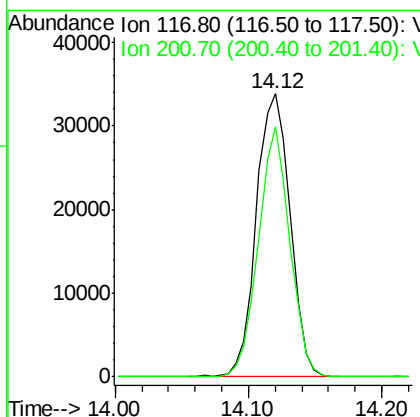
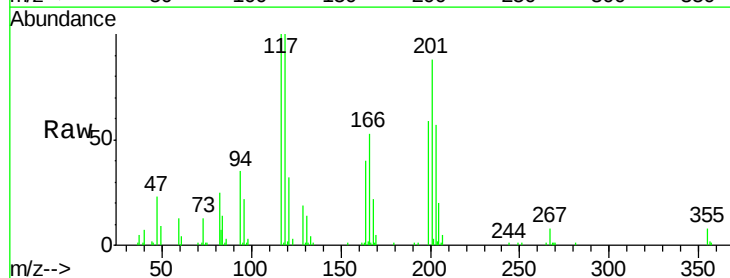
Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

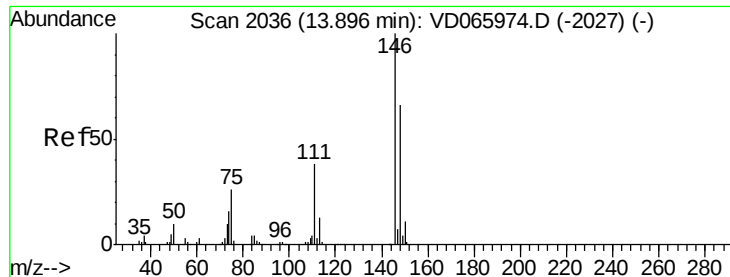
Tot Ion: 91 Resp: 269137
Ion Ratio Lower Upper
91 100
92 54.8 27.2 81.6
134 28.7 13.8 41.4



#90
Hexachloroethane
Concen: 21.461 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion: 117 Resp: 59070
Ion Ratio Lower Upper
117 100
201 82.5 42.0 126.1

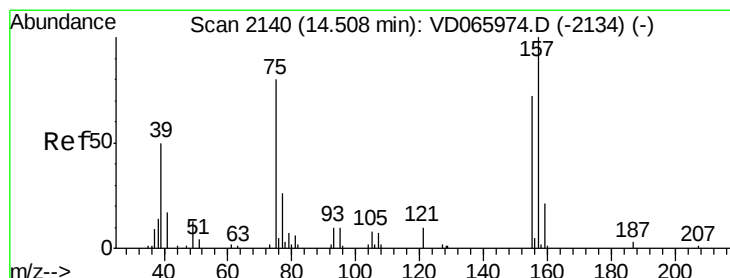
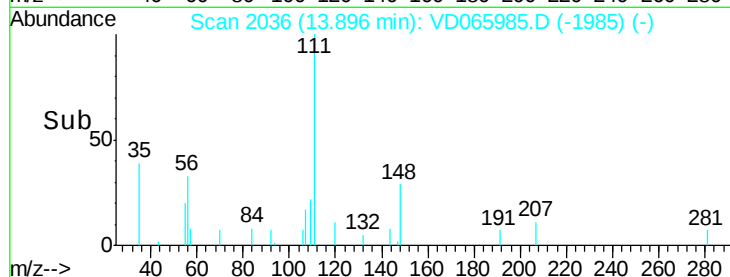
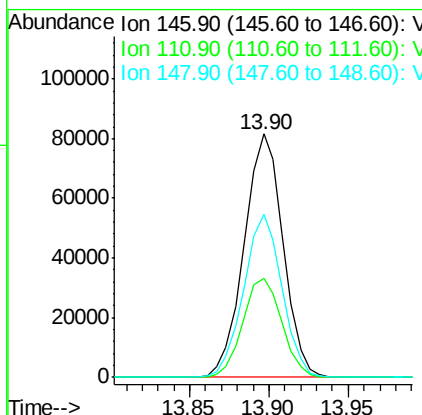
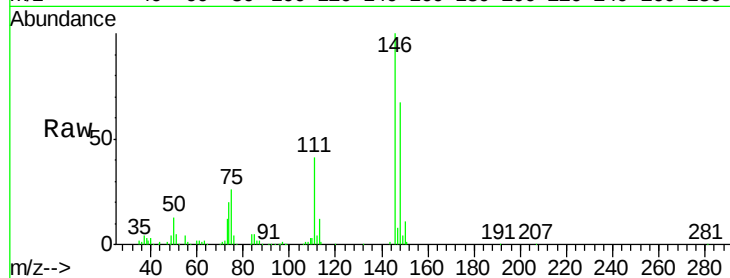




#91
 1,2-Dichlorobenzene
 Concen: 22.881 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

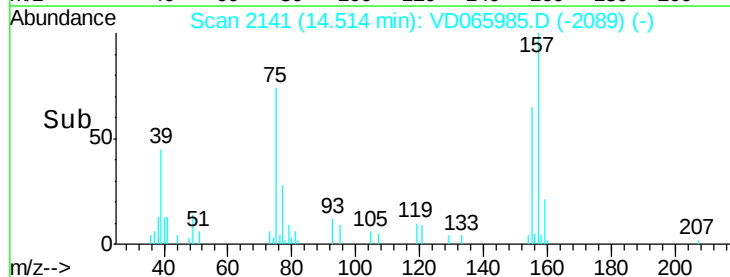
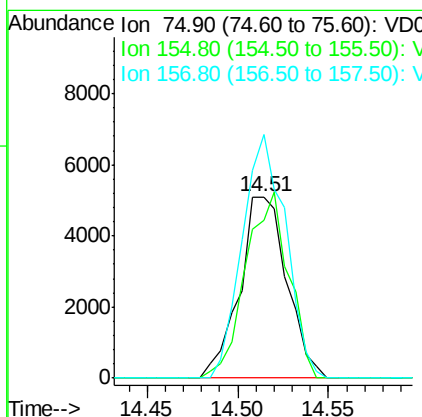
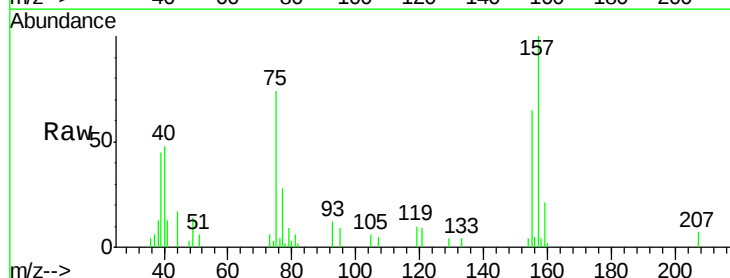
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBSD01

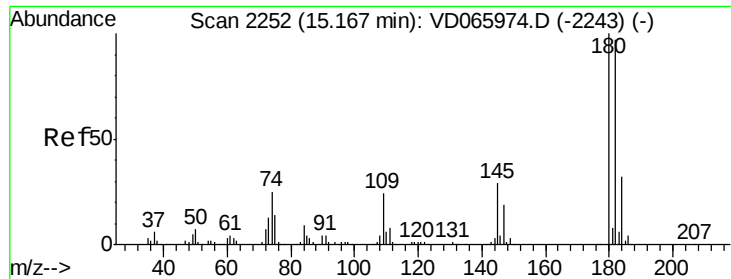
Tot Ion:146 Resp: 139038
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.3 57.9
 148 65.9 32.7 98.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.068 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Tgt Ion: 75 Resp: 9234
 Ion Ratio Lower Upper
 75 100
 155 93.3 48.5 145.5
 157 123.2 64.7 194.1

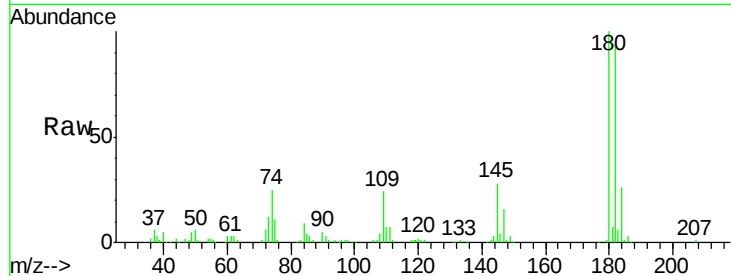




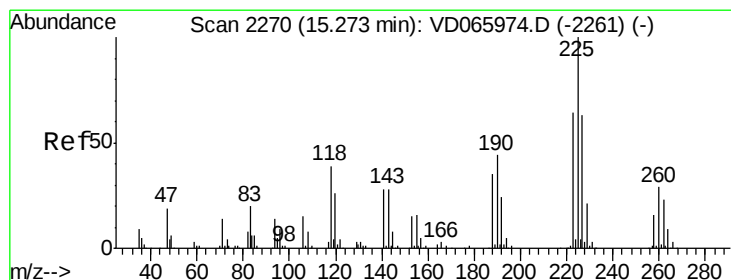
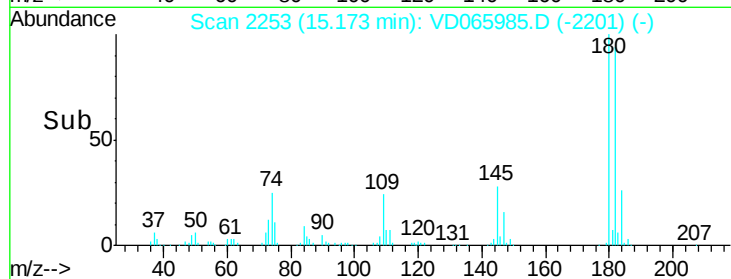
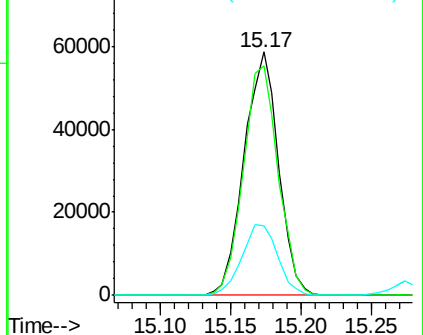
#93
1,2,4-Trichlorobenzene
Concen: 23.031 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. 0.01 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.1	144.3
145	30.2	14.7	44.1

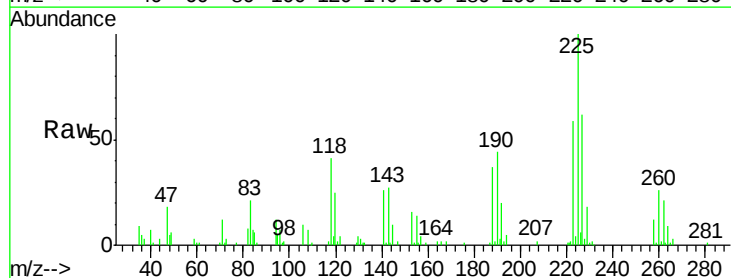


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

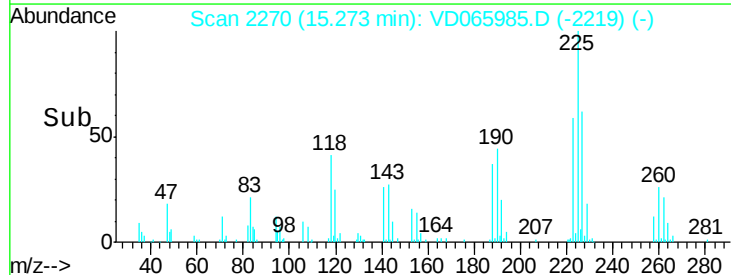
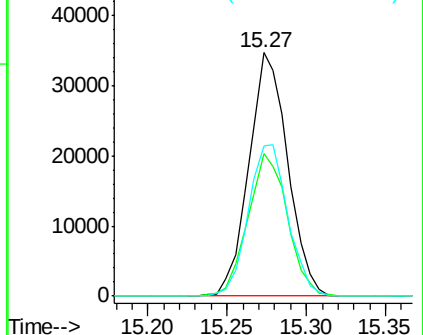


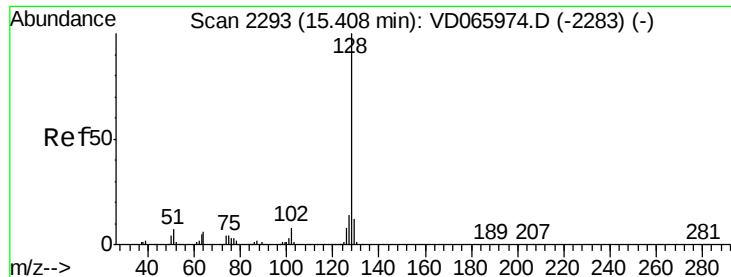
#94
Hexachlorobutadiene
Concen: 21.955 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.5	31.2	93.6
227	63.0	31.6	94.8



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 22.421 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

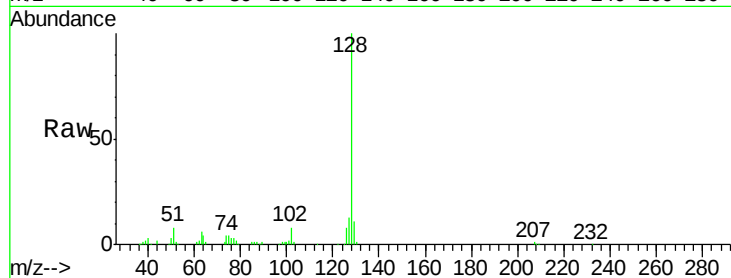
Tot Ion:128 Resp: 157570

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

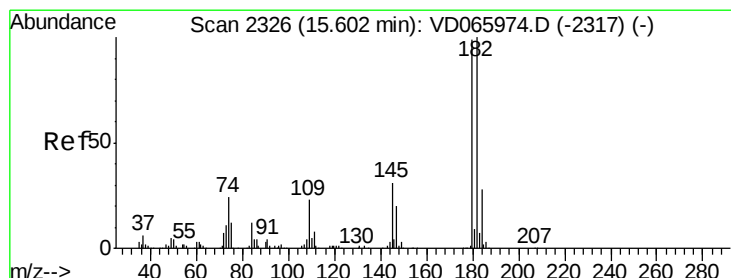
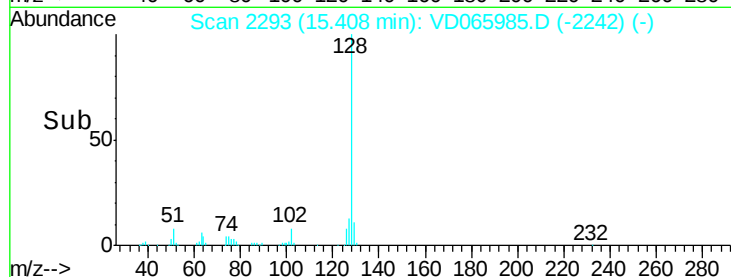
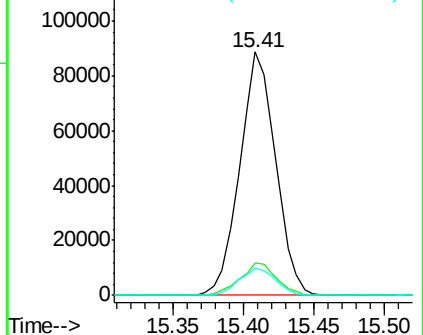
129 11.6 8.9 13.3



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: 22.651 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

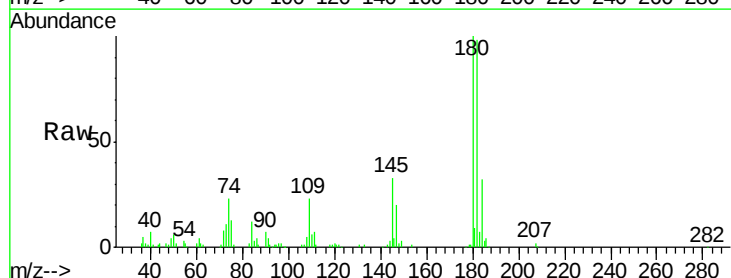
Tgt Ion:180 Resp: 85888

Ion Ratio Lower Upper

180 100

182 97.7 47.9 143.6

145 32.0 15.4 46.2



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

