

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD072220\
 Data File : VD065996.D
 Acq On : 22 Jul 2020 12:43
 Operator : VA/SY
 Sample : VD0722SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Quant Time: Jul 22 15:43:11 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	7.98	168	340066	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	500801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	468501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	239475	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	142156	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
35) Dibromofluoromethane	7.92	113	152550	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	10.34	98	587648	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.64	95	206311	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.99	85	62105	24.065	ug/l 99
3) Chloromethane	2.21	50	48556	23.055	ug/l 100
4) Vinyl Chloride	2.35	62	44540	22.208	ug/l 93
5) Bromomethane	2.76	94	32416	19.969	ug/l 99
6) Chloroethane	2.92	64	27954	23.349	ug/l 97
7) Trichlorofluoromethane	3.27	101	108739	22.290	ug/l 92
8) Diethyl Ether	3.70	74	30273	22.451	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	65202	22.136	ug/l 98
10) Methyl Iodide	4.30	142	63801	26.475	ug/l 99
11) Tert butyl alcohol	5.21	59	23968	124.007	ug/l 99
12) 1,1-Dichloroethene	4.06	96	62810	22.339	ug/l 99
13) Acrolein	3.93	56	22232	95.362	ug/l 97
14) Allyl chloride	4.71	41	95065	21.629	ug/l 96
15) Acrylonitrile	5.42	53	61177	106.197	ug/l 98
16) Acetone	4.16	43	52300	93.377	ug/l 94
17) Carbon Disulfide	4.41	76	195638	21.451	ug/l 99
18) Methyl Acetate	4.72	43	26589	20.407	ug/l 95
19) Methyl tert-butyl Ether	5.48	73	128720	22.282	ug/l # 90
20) Methylene Chloride	4.96	84	75531	22.774	ug/l 92
21) trans-1,2-Dichloroethene	5.48	96	69872	21.988	ug/l 99
22) Diisopropyl ether	6.36	45	189979	22.752	ug/l 97
23) Vinyl Acetate	6.31	43	521248	110.688	ug/l 98
24) 1,1-Dichloroethane	6.26	63	114946	22.719	ug/l 98
25) 2-Butanone	7.21	43	73395	98.755	ug/l 98
26) 2,2-Dichloropropane	7.21	77	100136	22.009	ug/l 99
27) cis-1,2-Dichloroethene	7.21	96	75152	22.336	ug/l 98
28) Bromochloromethane	7.54	49	46026	21.434	ug/l 98
29) Tetrahydrofuran	7.56	42	48911	106.662	ug/l 99
30) Chloroform	7.71	83	119697	22.617	ug/l 99
31) Cyclohexane	7.98	56	106179	21.332	ug/l 98
32) 1,1,1-Trichloroethane	7.90	97	106440	21.743	ug/l 99
36) 1,1-Dichloropropene	8.11	75	92121	21.553	ug/l 99
37) Ethyl Acetate	7.30	43	34924	21.396	ug/l 98
38) Carbon Tetrachloride	8.10	117	101717	21.933	ug/l 98

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Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Quant Time: Jul 22 15:43:11 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)
39) Methylcyclohexane	9.36	83	114967	22.212	ug/l	93
40) Benzene	8.35	78	267120	22.339	ug/l	92
41) Methacrylonitrile	7.52	41	14176	15.160	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	71964	21.963	ug/l	98
43) Isopropyl Acetate	8.46	43	70210	22.023	ug/l	95
44) Trichloroethene	9.11	130	77931	21.537	ug/l	94
45) 1,2-Dichloropropane	9.39	63	65646	22.668	ug/l	95
46) Dibromomethane	9.48	93	34260	21.976	ug/l	99
47) Bromodichloromethane	9.67	83	91302	22.149	ug/l	98
48) Methyl methacrylate	9.46	41	35238	21.912	ug/l	98
49) 1,4-Dioxane	9.47	88	7508	415.681	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	171274	106.625	ug/l	99
52) Toluene	10.41	92	176359	22.616	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	83777	21.815	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	105929	22.755	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	47744	21.593	ug/l	94
56) Ethyl methacrylate	10.67	69	54812	21.322	ug/l	95
57) 1,3-Dichloropropane	10.95	76	82129	22.438	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	136005	110.750	ug/l	98
59) 2-Hexanone	10.99	43	114077	102.480	ug/l	98
60) Dibromochloromethane	11.14	129	67060	22.494	ug/l	98
61) 1,2-Dibromoethane	11.25	107	48470	22.736	ug/l	100
64) Tetrachloroethene	10.88	164	69987	22.009	ug/l	96
65) Chlorobenzene	11.67	112	189818	22.128	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	73318	23.148	ug/l	99
67) Ethyl Benzene	11.75	91	329294	22.307	ug/l	100
68) m/p-Xylenes	11.86	106	260991	45.998	ug/l	100
69) o-Xylene	12.18	106	118115	22.888	ug/l	99
70) Styrene	12.20	104	206535	23.293	ug/l	99
71) Bromoform	12.37	173	39906	21.509	ug/l #	99
73) Isopropylbenzene	12.48	105	326881	22.558	ug/l	100
74) N-amyl acetate	12.29	43	62198	20.702	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	52476	21.913	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	69386	38.481	ug/l #	100
77) Bromobenzene	12.77	156	81299	21.953	ug/l	97
78) n-propylbenzene	12.83	91	376804	22.409	ug/l	98
79) 2-Chlorotoluene	12.91	91	213580	22.233	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	265069	22.265	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	16154	20.558	ug/l	100
82) 4-Chlorotoluene	13.01	91	229471	22.631	ug/l	99
83) tert-Butylbenzene	13.23	119	235470	22.603	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	270746	23.051	ug/l	99
85) sec-Butylbenzene	13.41	105	321713	22.420	ug/l	100
86) p-Isopropyltoluene	13.52	119	304592	23.365	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	156585	22.774	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	156742	22.550	ug/l	99
89) n-Butylbenzene	13.85	91	265307	21.887	ug/l	100
90) Hexachloroethane	14.12	117	58062	21.515	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	137330	23.050	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8126	20.704	ug/l	98

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Instrument :
MSVOA_D
ClientSampleId :
VD0722SBSD01

Quant Time: Jul 22 15:43:11 2020
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Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration

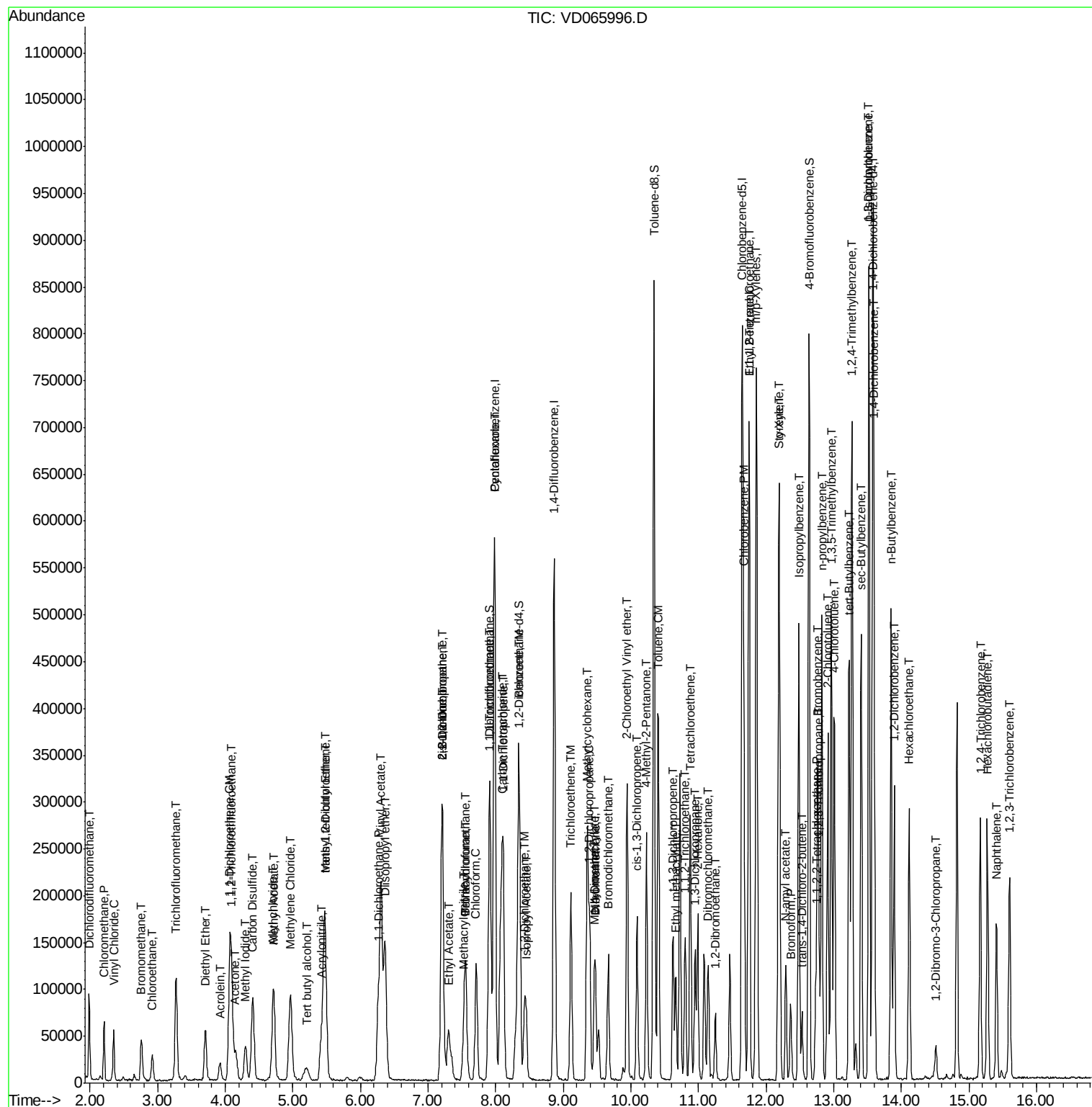
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	97627	22.828	ug/l	99
94) Hexachlorobutadiene	15.27	225	59270	22.417	ug/l	99
95) Naphthalene	15.41	128	148661	21.708	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	81135	21.823	ug/l	98

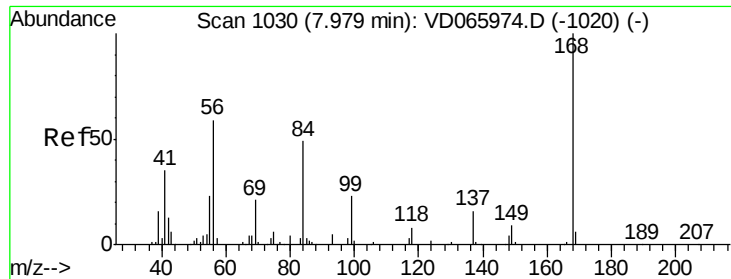
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD072220\
 Data File : VD065996.D
 Acq On : 22 Jul 2020 12:43
 Operator : VA/SY
 Sample : VD0722SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
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 MSVOA_D
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 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

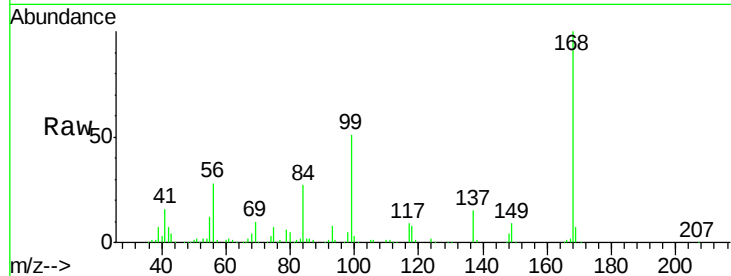
VD0722SBSD01

Tgt Ion:168 Resp: 340066

Ion Ratio Lower Upper

168 100

99 50.2 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

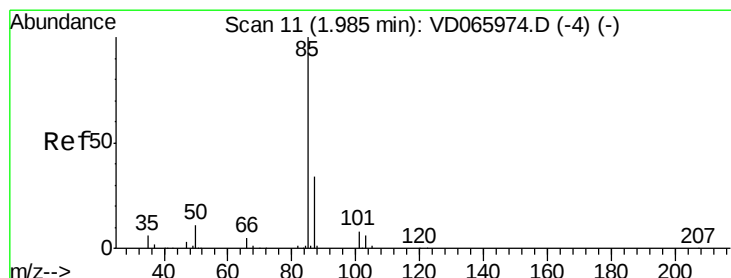
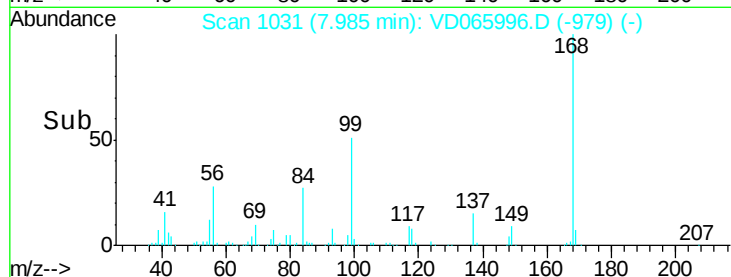
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 24.065 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065996.D

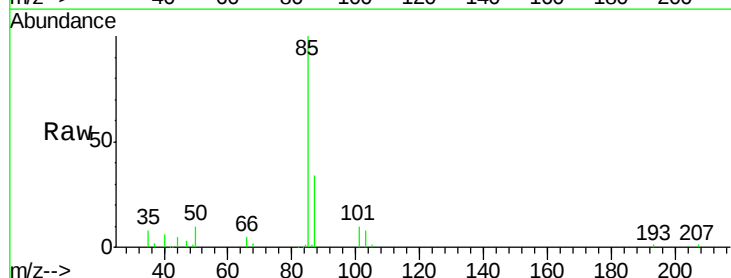
Acq: 22 Jul 2020 12:43

Tgt Ion: 85 Resp: 62105

Ion Ratio Lower Upper

85 100

87 34.0 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

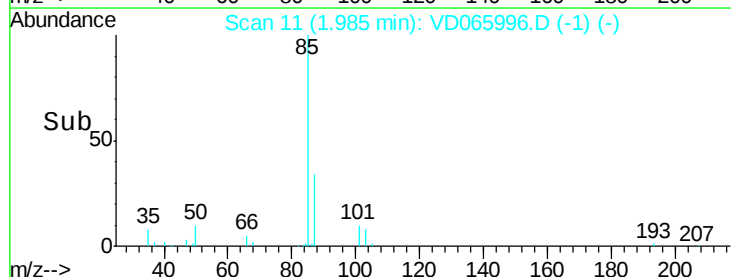
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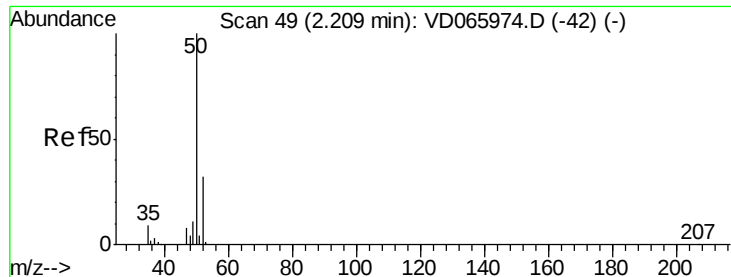
20000

10000

0

Time-->





#3

Chloromethane

Concen: 23.055 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

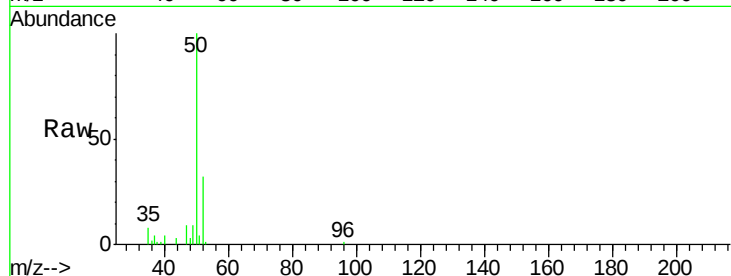
VD0722SBS01

Tgt Ion: 50 Resp: 48556

Ion Ratio Lower Upper

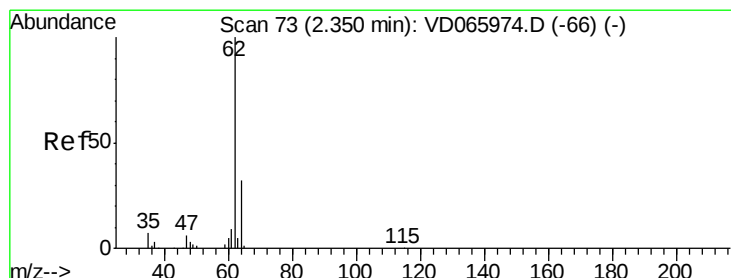
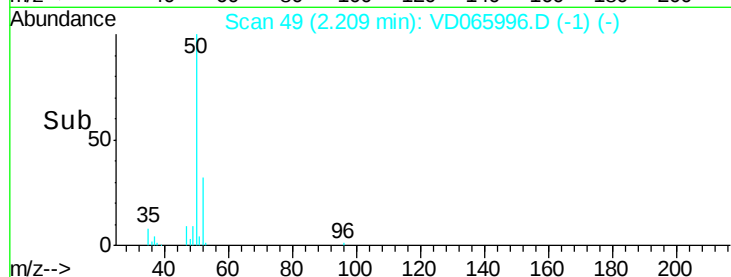
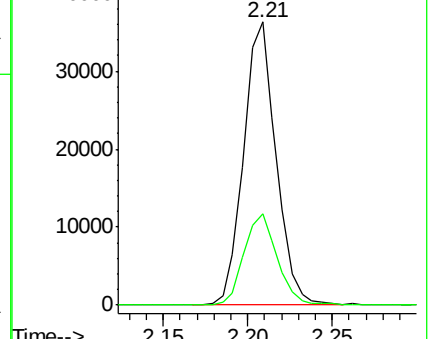
50 100

52 32.3 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.208 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065996.D

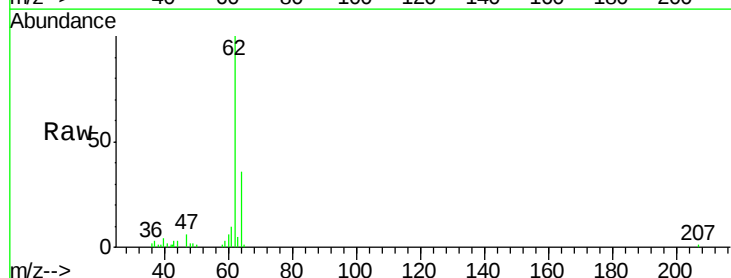
Acq: 22 Jul 2020 12:43

Tgt Ion: 62 Resp: 44540

Ion Ratio Lower Upper

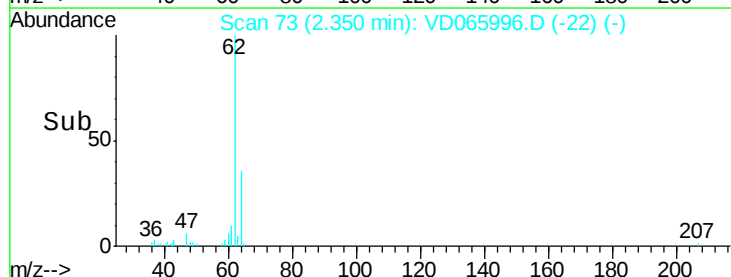
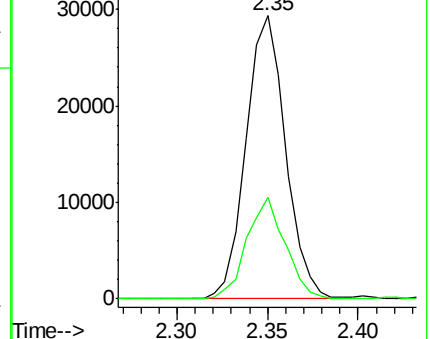
62 100

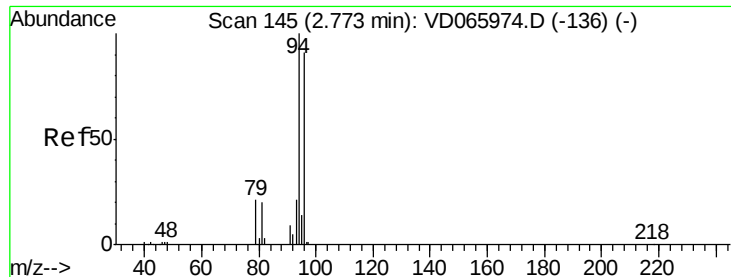
64 36.1 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.969 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

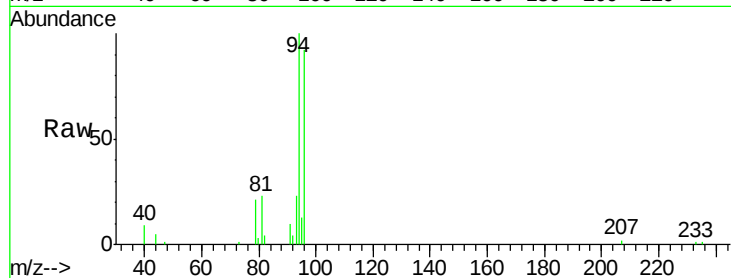
VD0722SBS01

Tgt Ion: 94 Resp: 32416

Ion Ratio Lower Upper

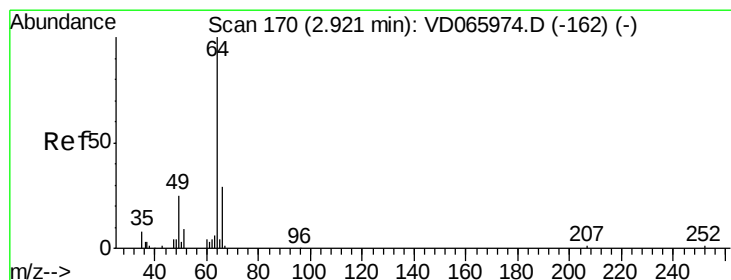
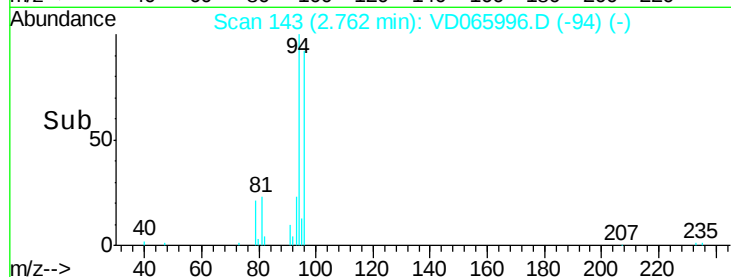
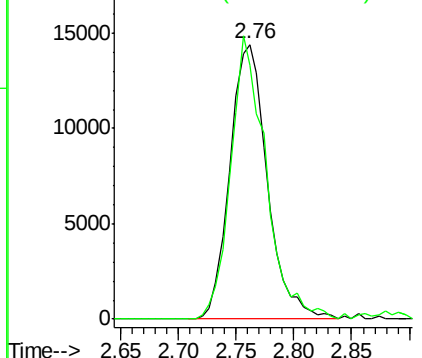
94 100

96 92.3 73.0 109.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 23.349 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD065996.D

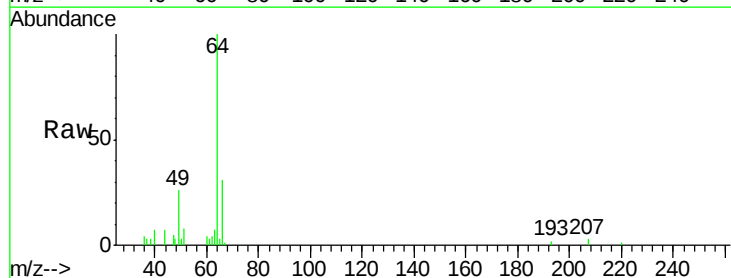
Acq: 22 Jul 2020 12:43

Tgt Ion: 64 Resp: 27954

Ion Ratio Lower Upper

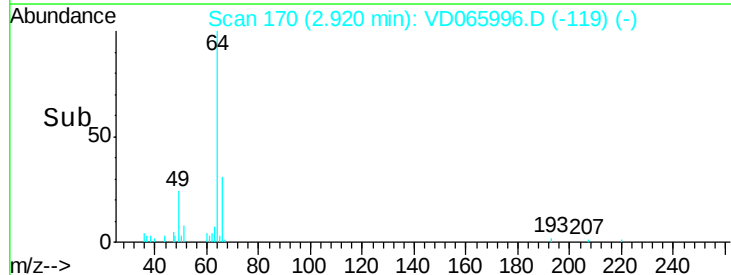
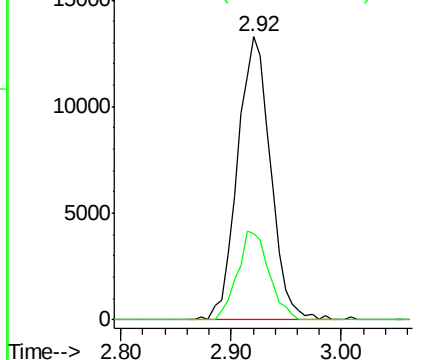
64 100

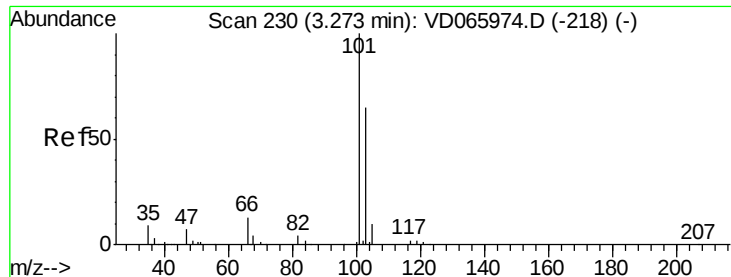
66 30.6 23.4 35.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



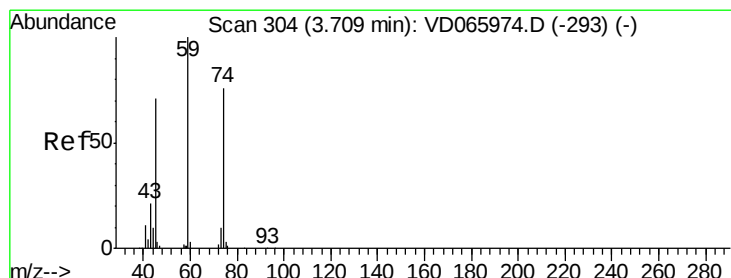
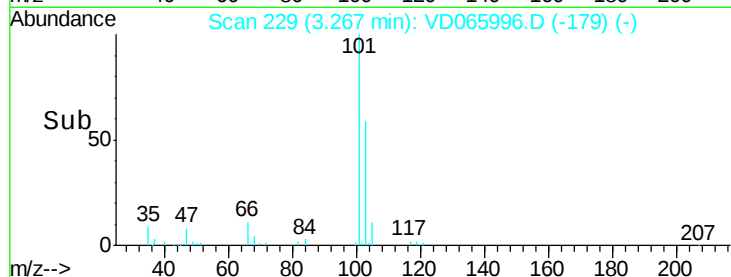
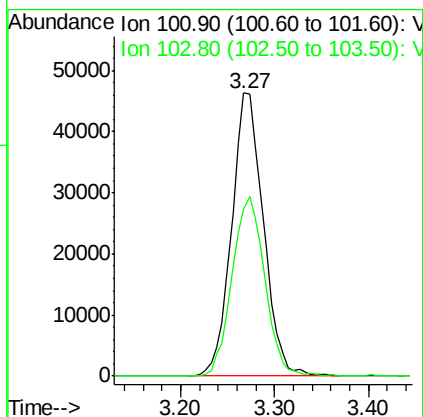
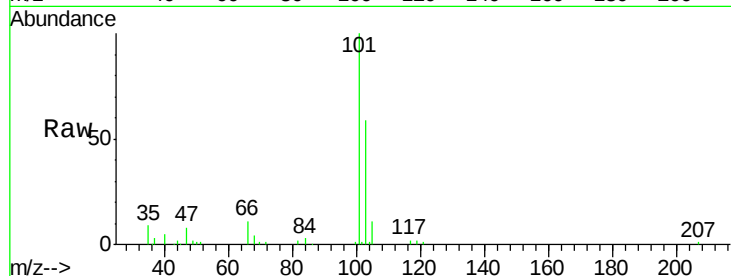


#7

Trichlorofluoromethane
 Concen: 22.290 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

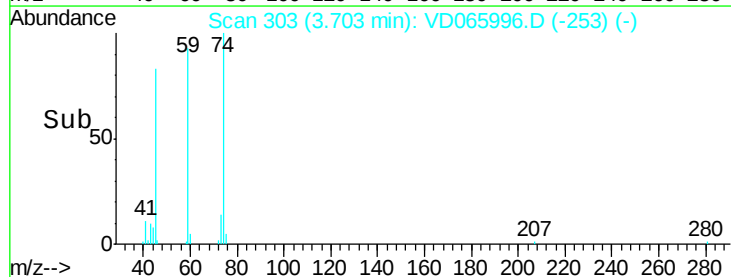
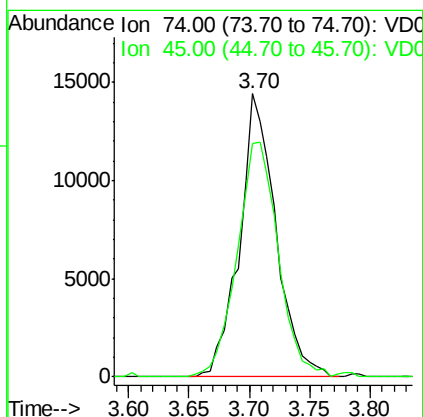
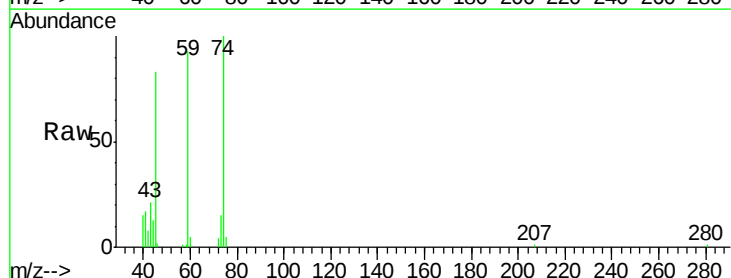
Tgt Ion:101 Resp: 108739
 Ion Ratio Lower Upper
 101 100
 103 58.9 52.1 78.1

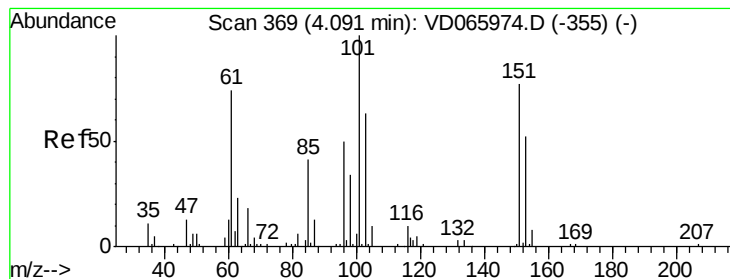


#8

Diethyl Ether
 Concen: 22.451 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Tgt Ion: 74 Resp: 30273
 Ion Ratio Lower Upper
 74 100
 45 93.7 49.9 149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.136 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

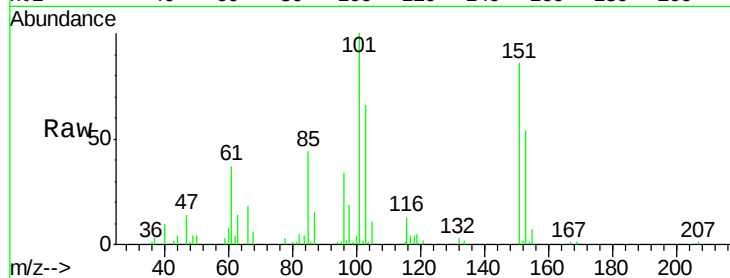
Tgt Ion:101 Resp: 65202

Ion Ratio Lower Upper

101 100

85 40.8 33.6 50.4

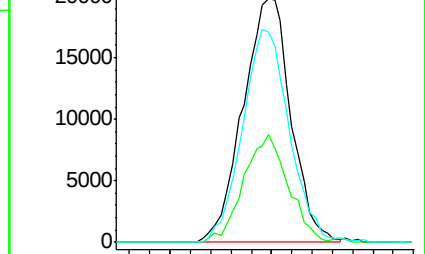
151 85.4 66.6 99.8



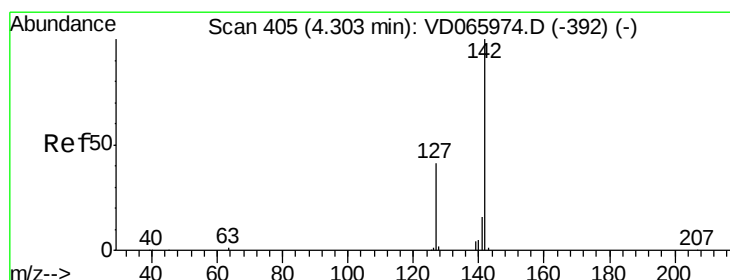
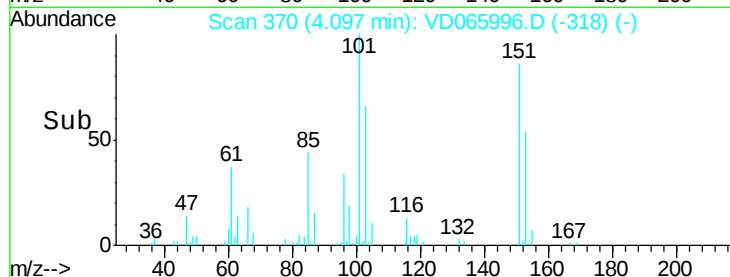
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



Time-->



#10

Methyl Iodide

Concen: 26.475 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

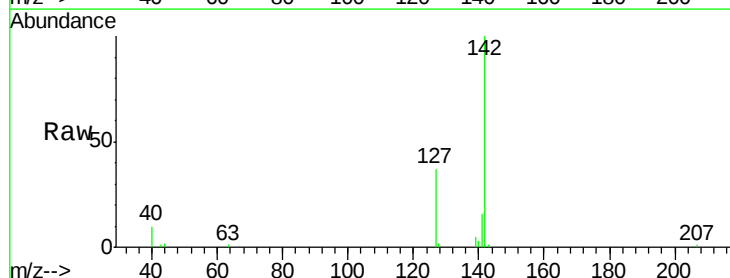
Tgt Ion:142 Resp: 63801

Ion Ratio Lower Upper

142 100

127 41.7 32.9 49.3

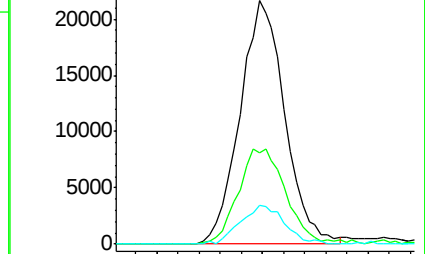
141 15.6 11.8 17.6



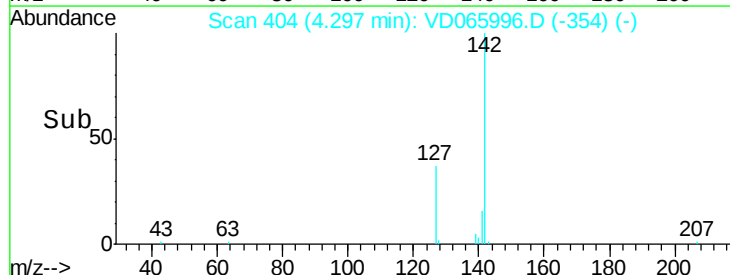
Abundance Ion 141.80 (141.50 to 142.50): V

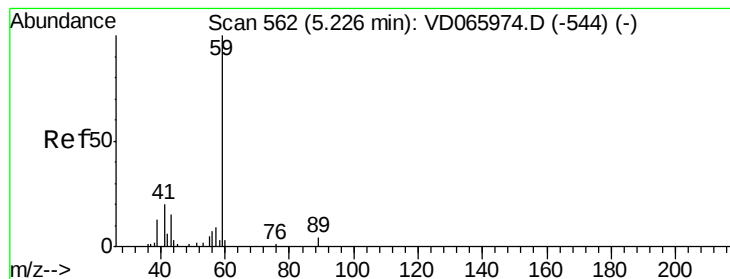
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->





#11

Tert butyl alcohol

Concen: 124.007 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

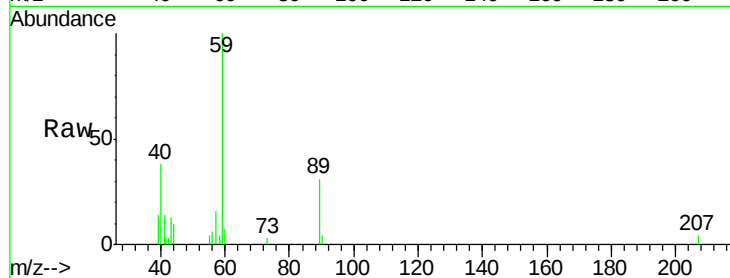
VD0722SBS01

Tgt Ion: 59 Resp: 23968

Ion Ratio Lower Upper

59 100

57 5.2 4.5 6.7



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.21

6000

5000

4000

3000

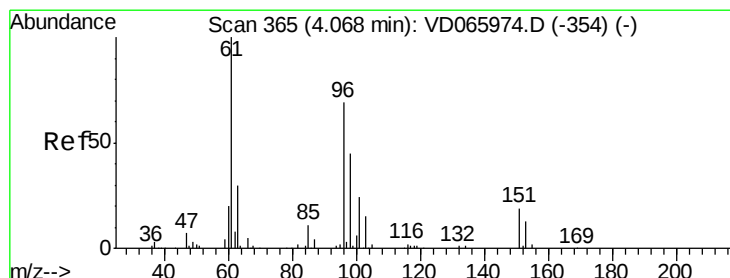
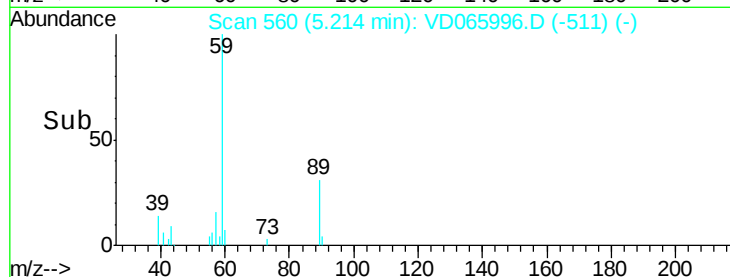
2000

1000

0

Time-->

5.10 5.20 5.30



#12

1,1-Dichloroethene

Concen: 22.339 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

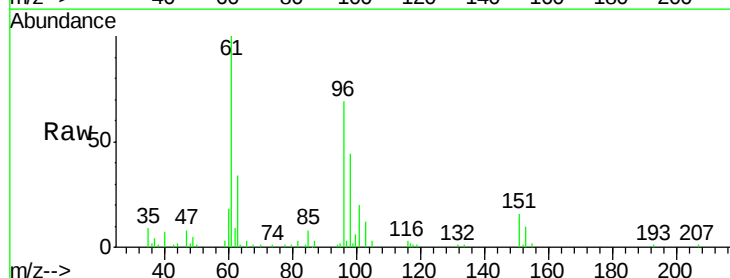
Tgt Ion: 96 Resp: 62810

Ion Ratio Lower Upper

96 100

61 145.5 115.4 173.0

98 63.7 51.5 77.3



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

40000

30000

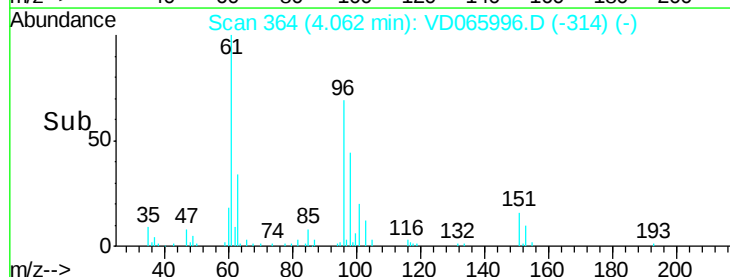
20000

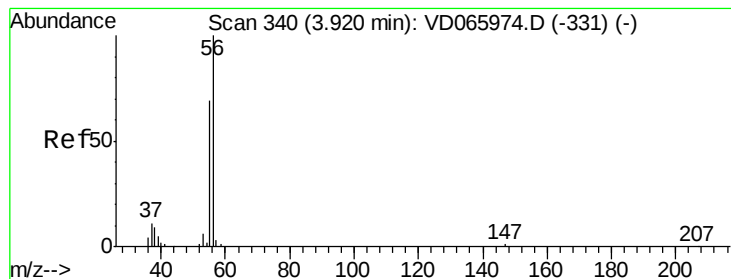
10000

0

Time-->

4.00 4.10 4.20





#13

Acrolein

Concen: 95.362 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

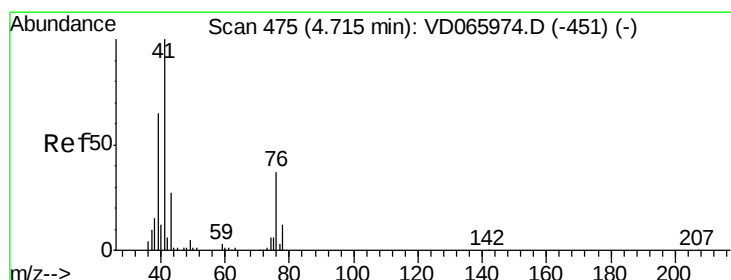
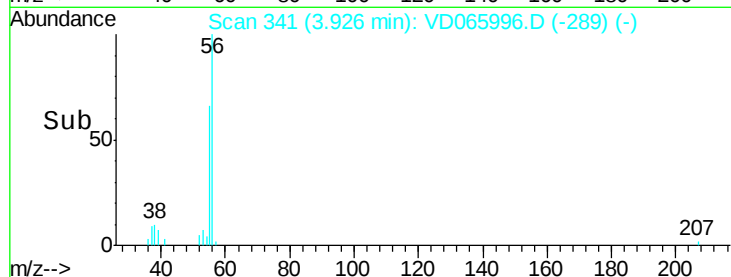
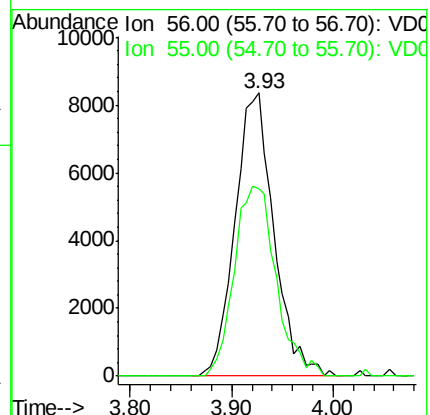
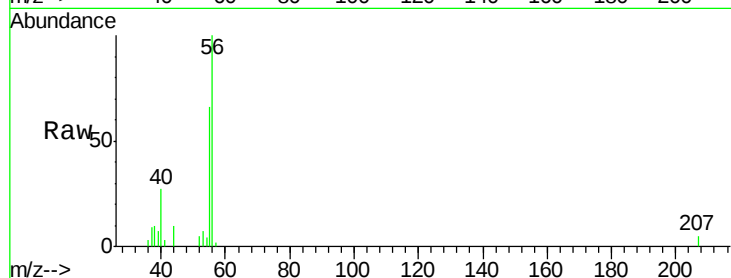
VD0722SBS01

Tgt Ion: 56 Resp: 22232

Ion Ratio Lower Upper

56 100

55 72.4 55.8 83.8



#14

Allyl chloride

Concen: 21.629 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

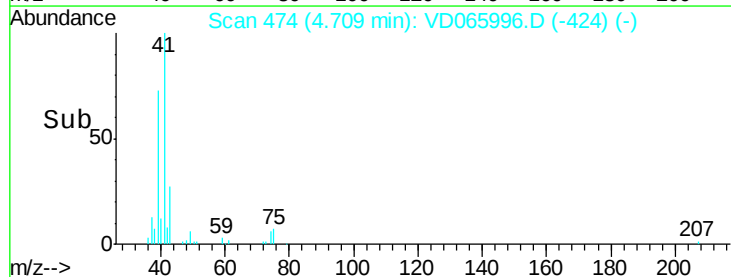
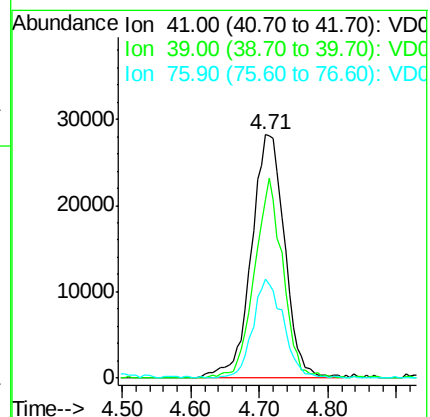
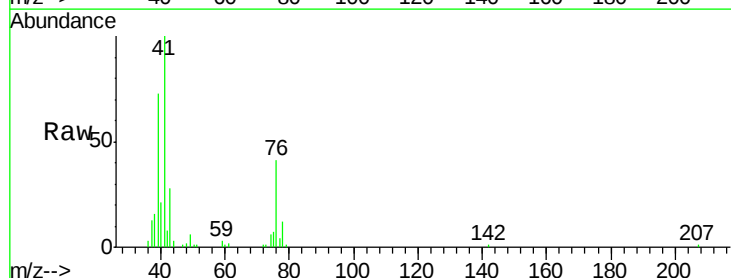
Tgt Ion: 41 Resp: 95065

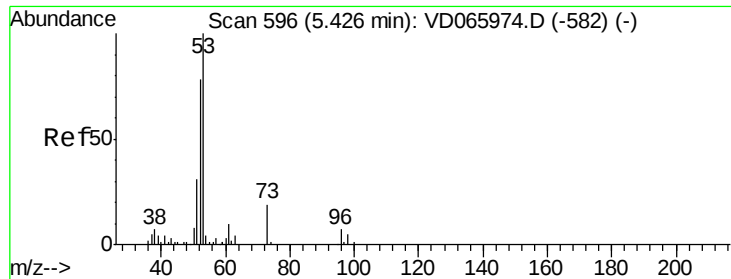
Ion Ratio Lower Upper

41 100

39 70.4 53.4 80.2

76 37.4 29.1 43.7





#15

Acrylonitrile

Concen: 106.197 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

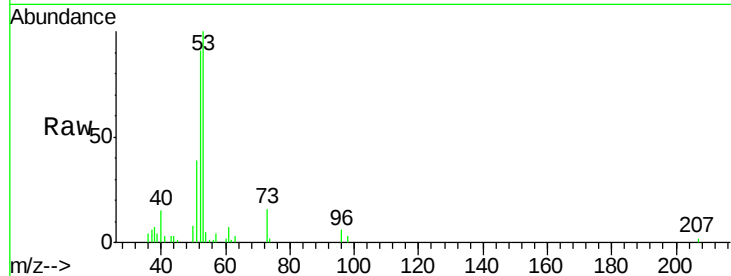
Tgt Ion: 53 Resp: 61177

Ion Ratio Lower Upper

53 100

52 82.3 67.1 100.7

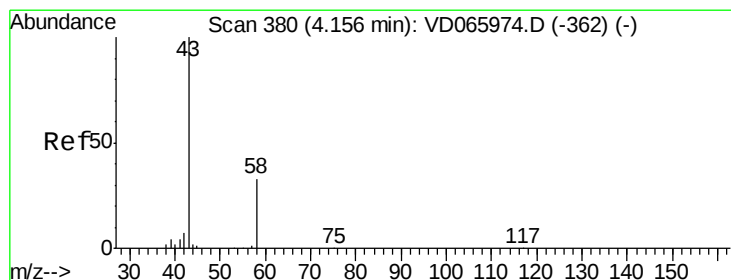
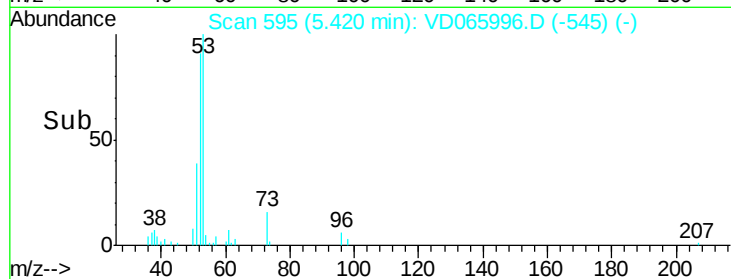
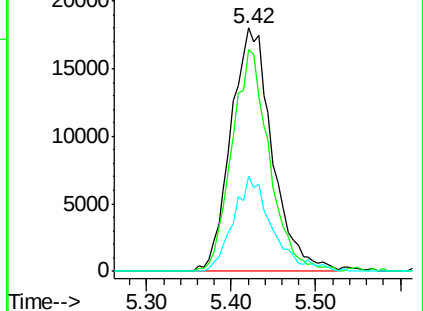
51 34.8 28.7 43.1



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: 93.377 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD065996.D

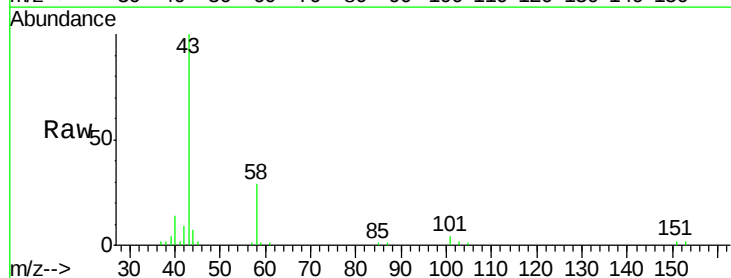
Acq: 22 Jul 2020 12:43

Tgt Ion: 43 Resp: 52300

Ion Ratio Lower Upper

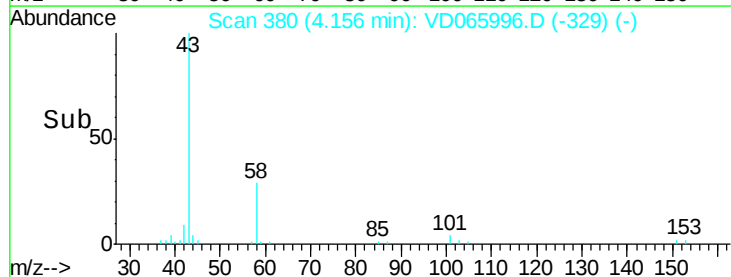
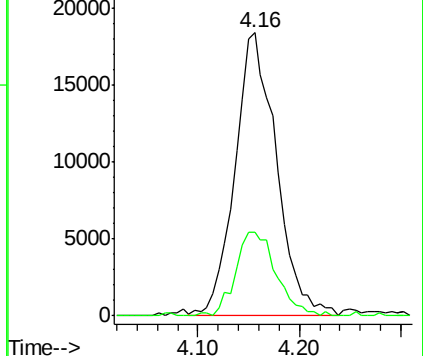
43 100

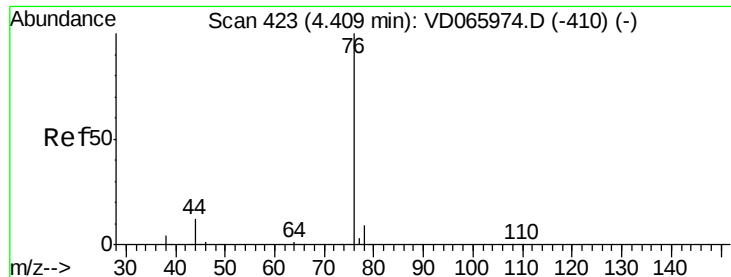
58 29.4 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

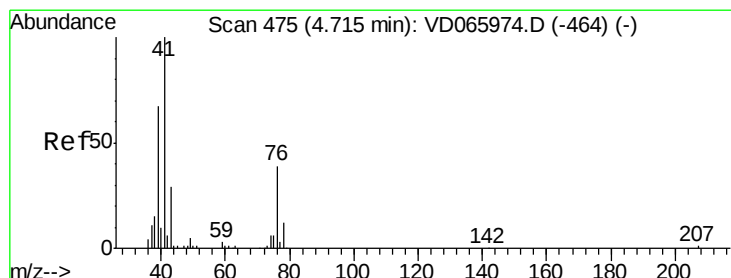
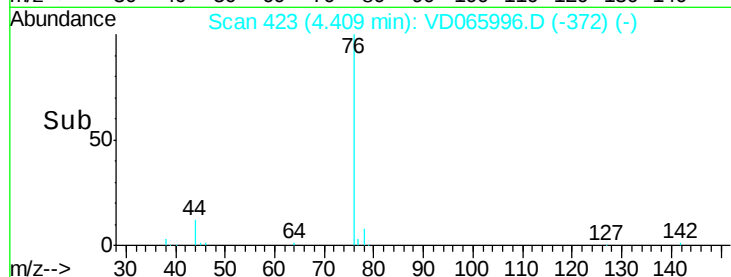
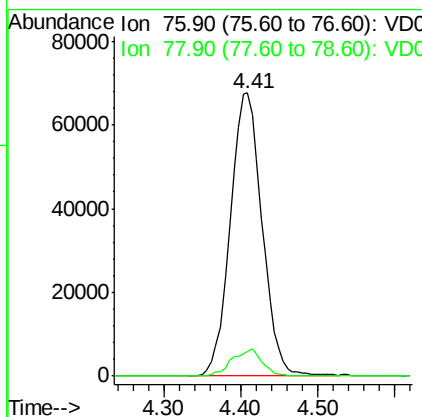
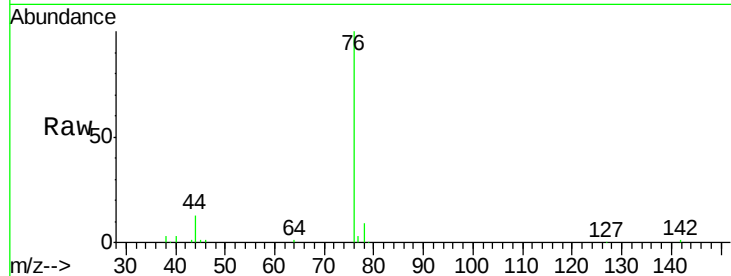




#17
Carbon Disulfide
Concen: 21.451 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

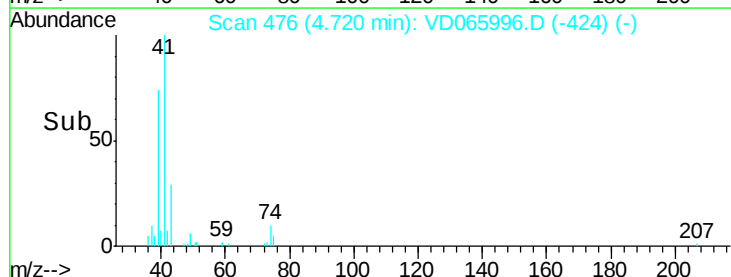
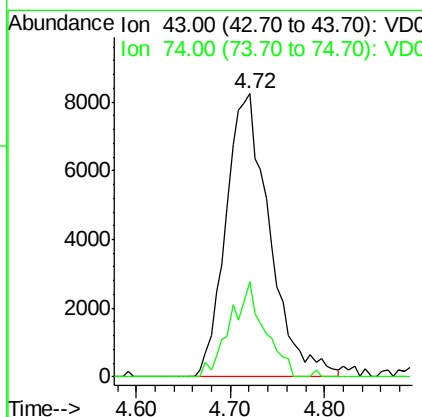
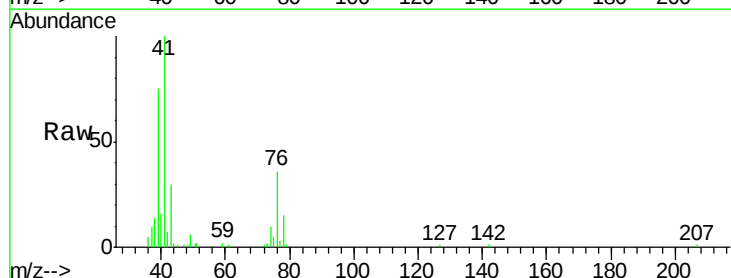
Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

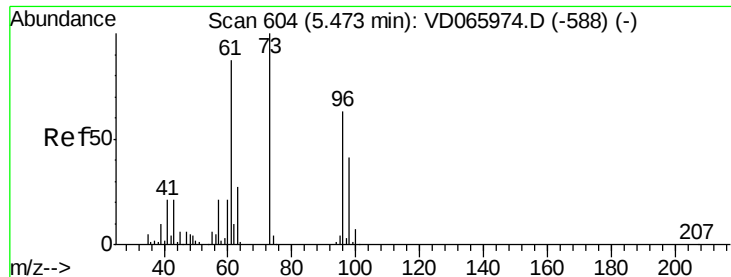
Tgt Ion: 76 Resp: 195638
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#18
Methyl Acetate
Concen: 20.407 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion: 43 Resp: 26589
Ion Ratio Lower Upper
43 100
74 26.3 19.2 28.8





#19

Methyl tert-butyl Ether

Concen: 22.282 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

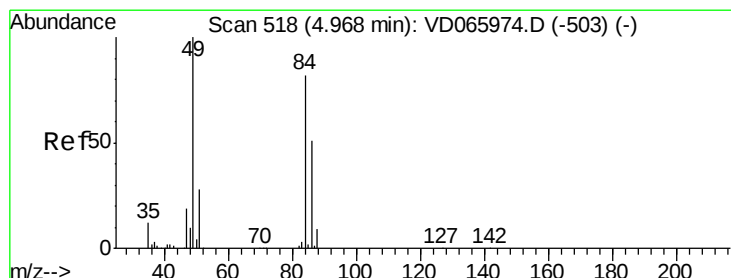
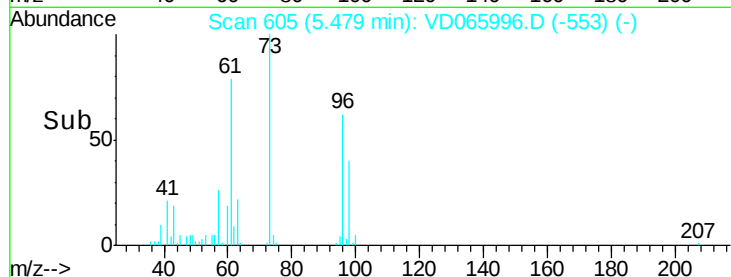
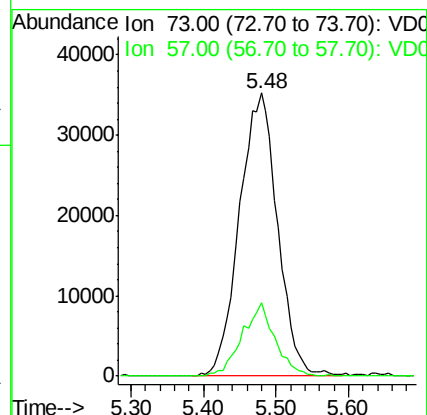
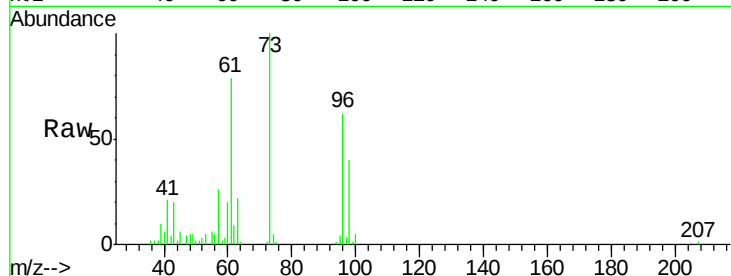
VD0722SBSD01

Tgt Ion: 73 Resp: 128720

Ion Ratio Lower Upper

73 100

57 25.8 17.0 25.4#



#20

Methylene Chloride

Concen: 22.774 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Tgt Ion: 84 Resp: 75531

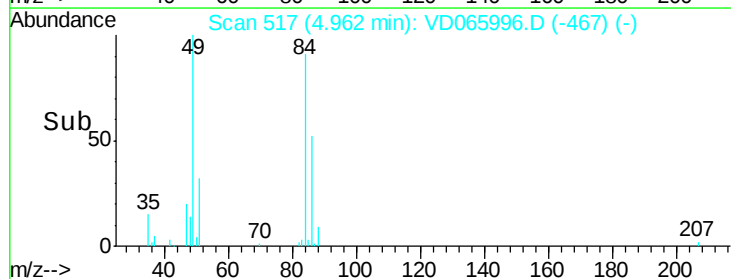
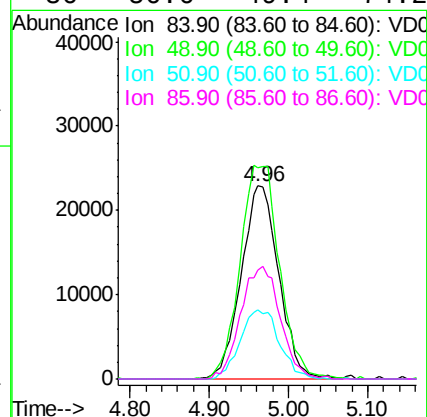
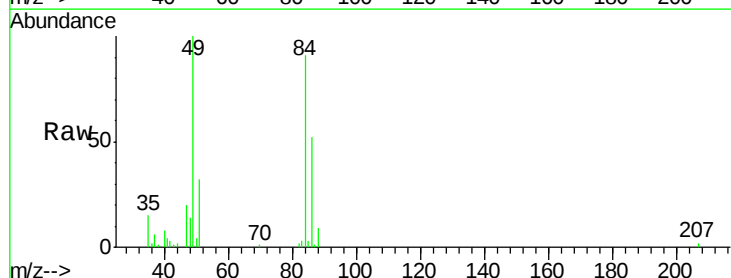
Ion Ratio Lower Upper

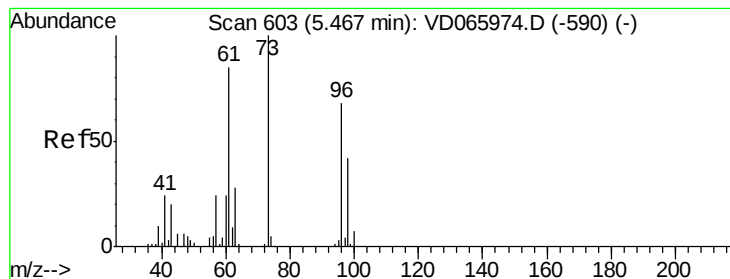
84 100

49 109.9 97.7 146.5

51 35.7 27.4 41.2

86 56.6 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 21.988 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

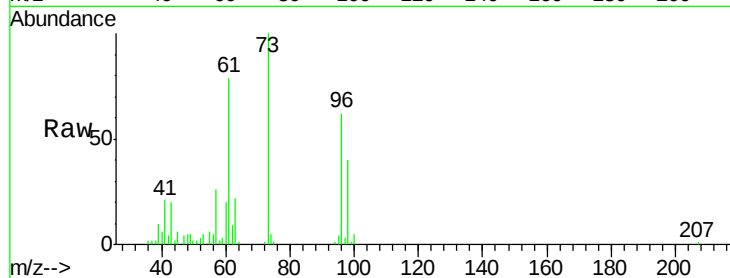
Tgt Ion: 96 Resp: 69872

Ion Ratio Lower Upper

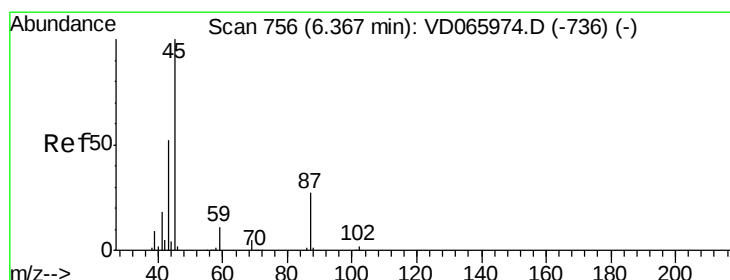
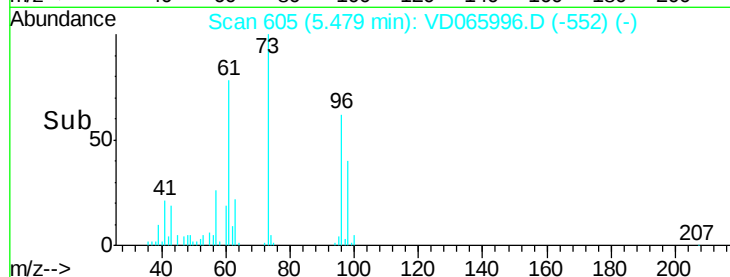
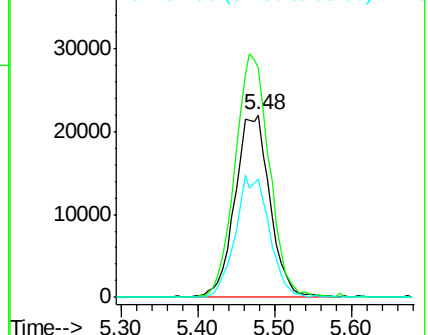
96 100

61 126.0 100.5 150.7

98 64.6 49.7 74.5



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



#22

Diisopropyl ether

Concen: 22.752 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Tgt Ion: 45 Resp: 189979

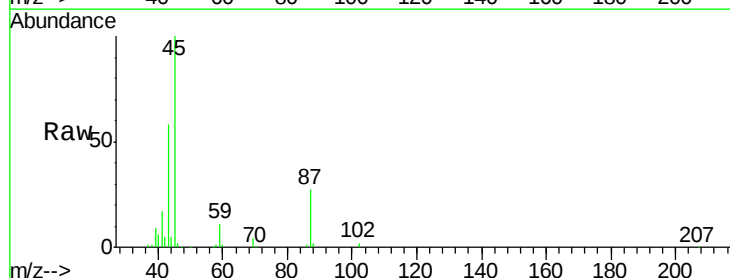
Ion Ratio Lower Upper

45 100

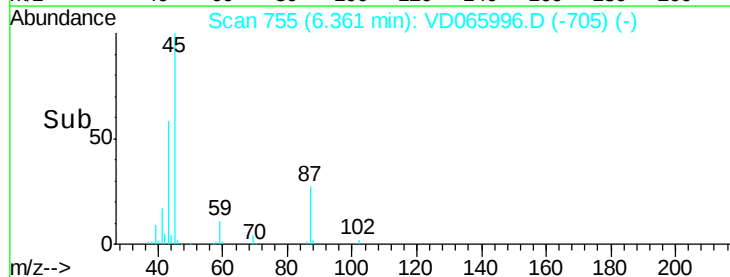
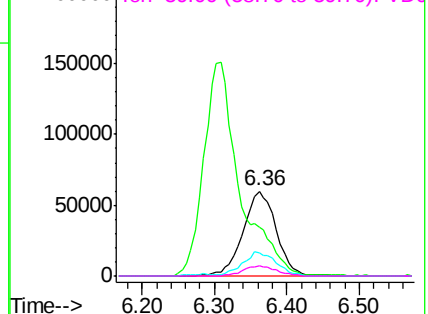
43 56.7 43.0 64.4

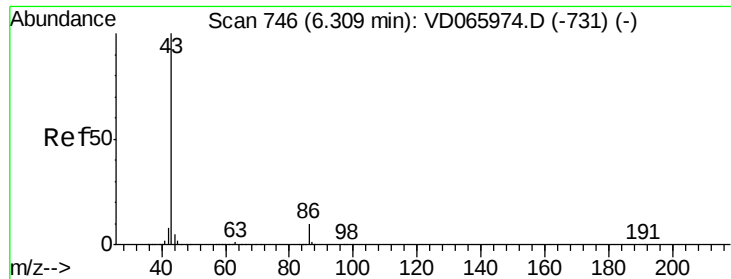
87 26.7 22.0 33.0

59 11.4 9.1 13.7



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





#23

Vinyl Acetate

Concen: 110.688 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

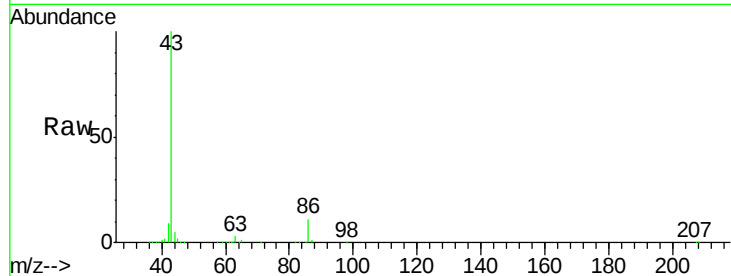
VD0722SBS01

Tgt Ion: 43 Resp: 521248

Ion Ratio Lower Upper

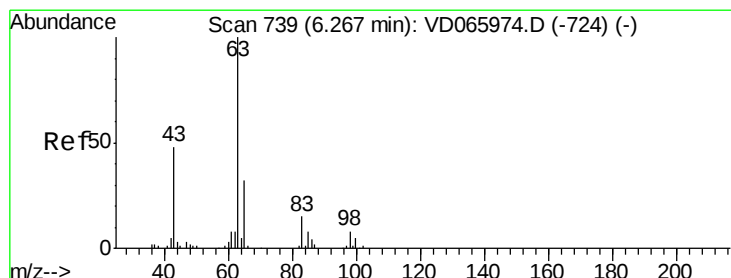
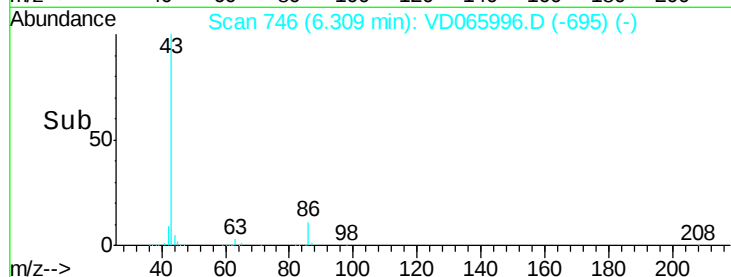
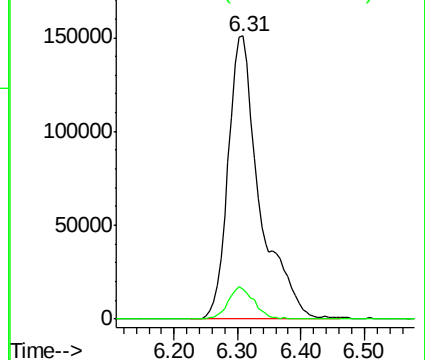
43 100

86 10.7 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: 22.719 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

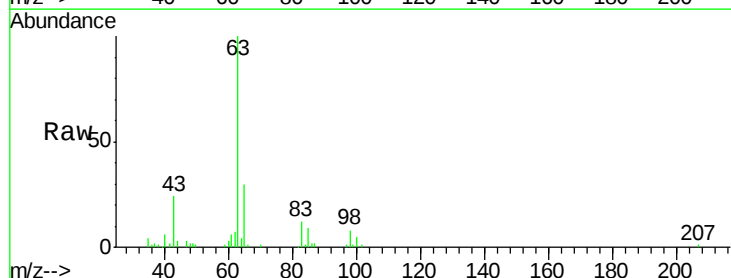
Tgt Ion: 63 Resp: 114946

Ion Ratio Lower Upper

63 100

98 7.5 4.3 12.8

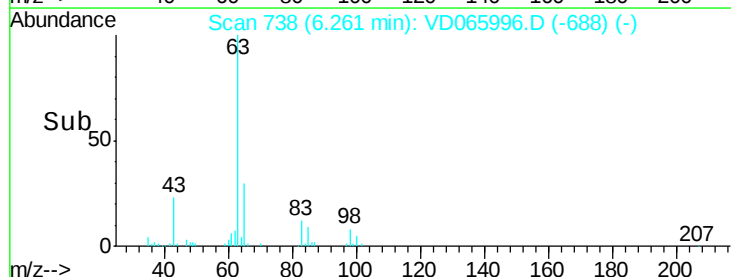
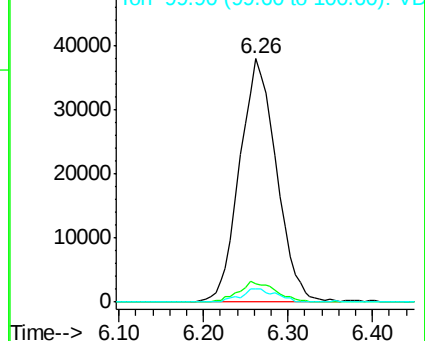
100 5.5 2.5 7.5

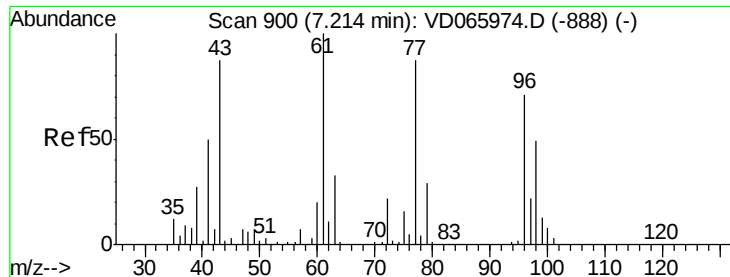


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

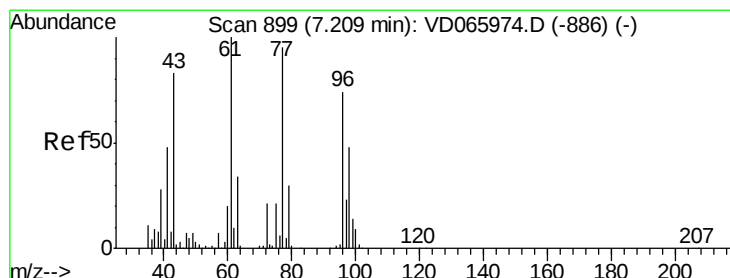
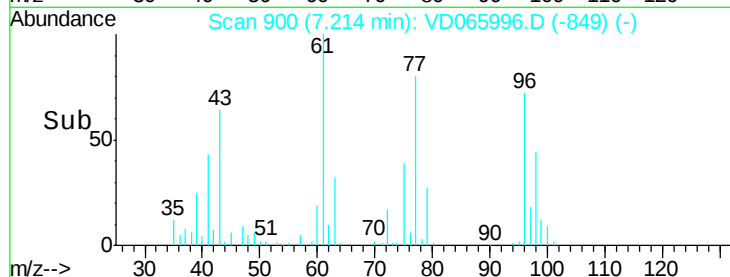
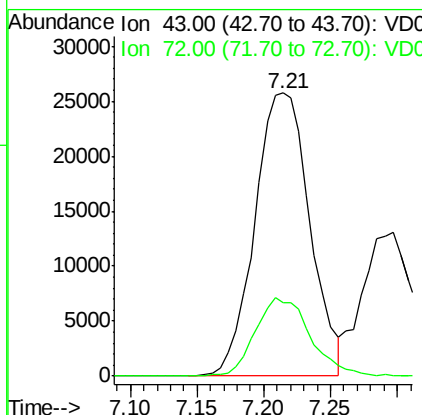
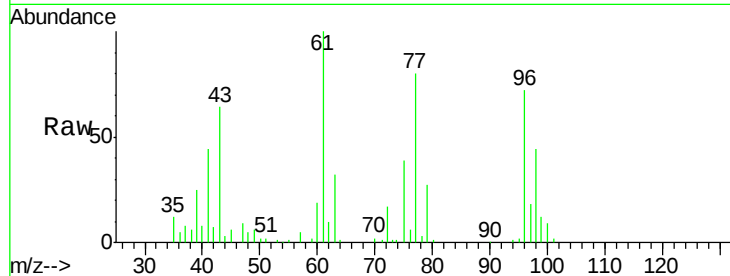




#25
 2-Butanone
 Concen: 98.755 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

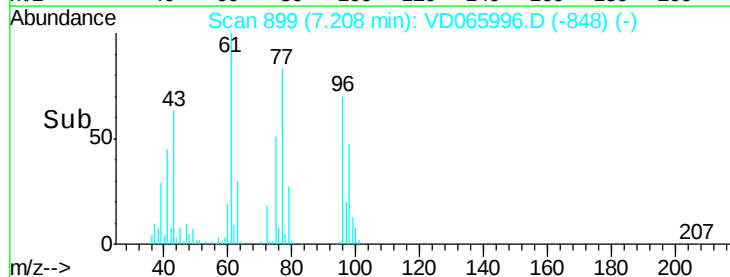
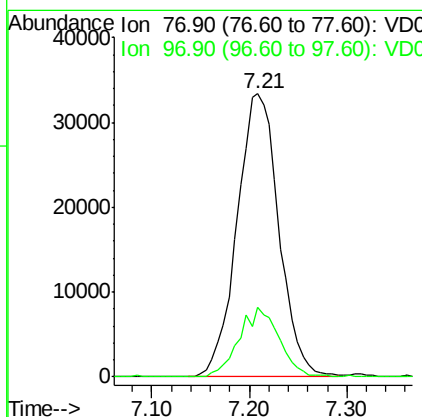
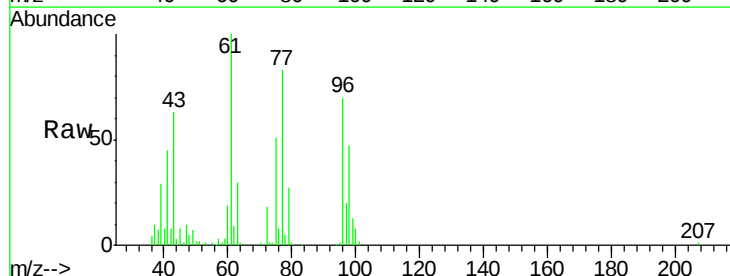
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBSD01

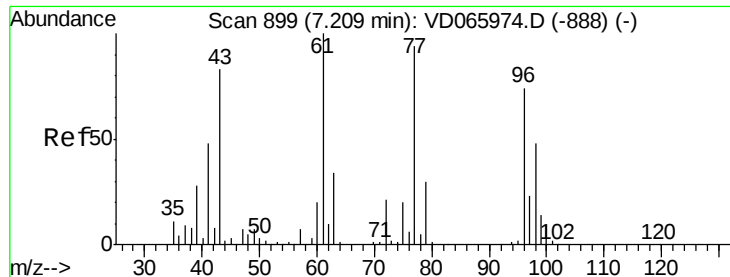
Tgt Ion: 43 Resp: 73395
 Ion Ratio Lower Upper
 43 100
 72 26.0 20.2 30.2



#26
 2,2-Dichloropropane
 Concen: 22.009 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Tgt Ion: 77 Resp: 100136
 Ion Ratio Lower Upper
 77 100
 97 23.4 11.6 34.7



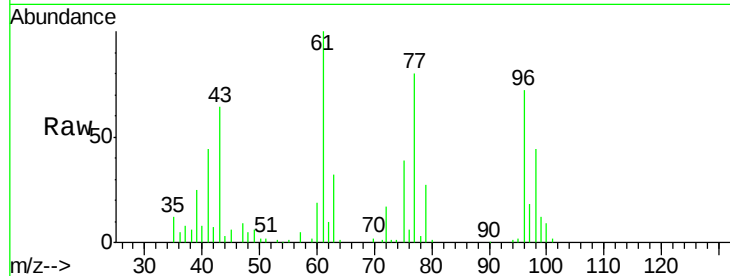


#27

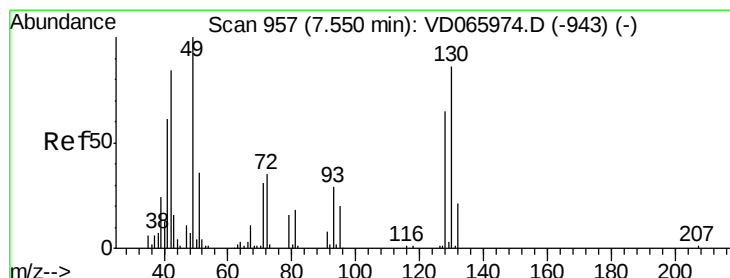
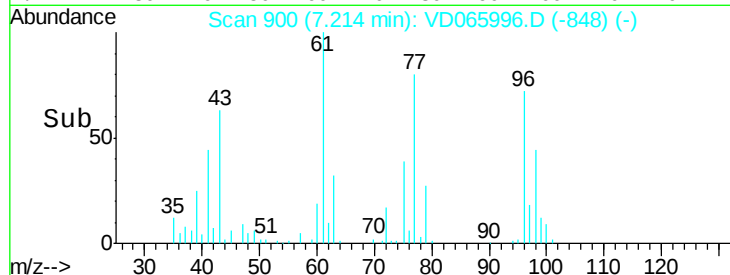
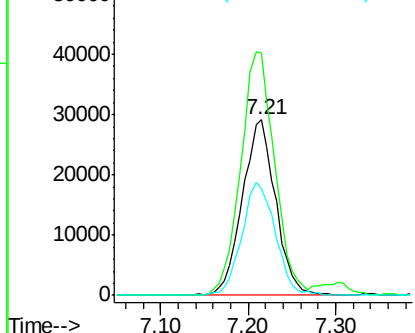
cis-1,2-Dichloroethene
 Concen: 22.336 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Tgt Ion: 96 Resp: 75152
 Ion Ratio Lower Upper
 96 100
 61 141.2 0.0 276.6
 98 64.4 0.0 130.8



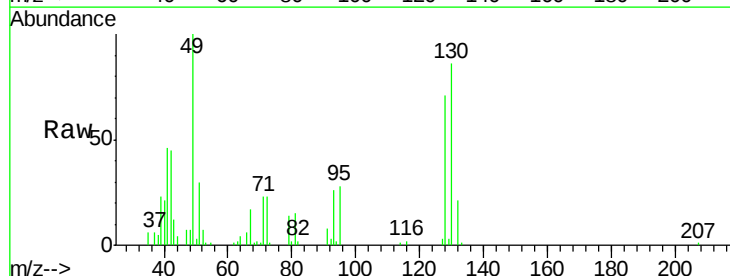
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



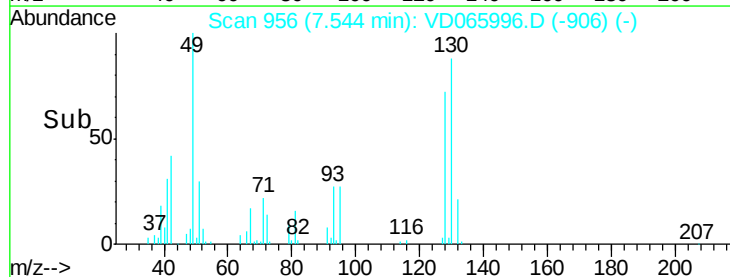
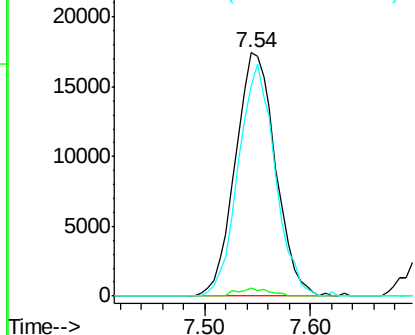
#28

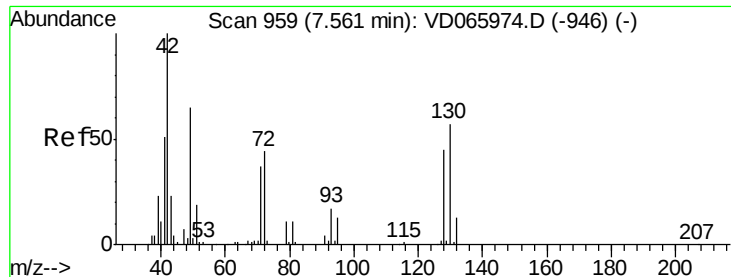
Bromochloromethane
 Concen: 21.434 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Tgt Ion: 49 Resp: 46026
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 4.8
 130 87.3 68.4 102.6



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

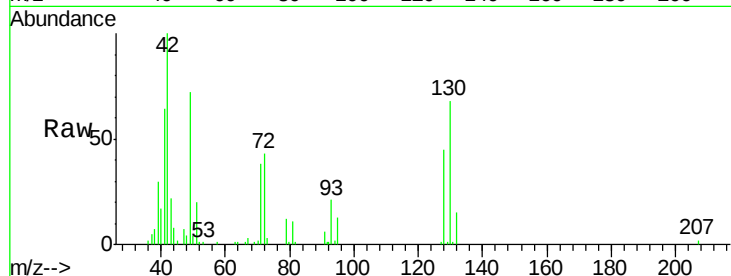




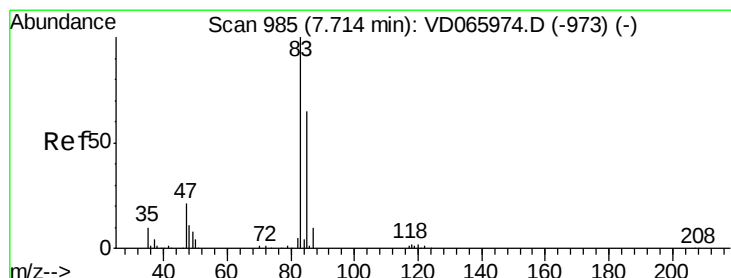
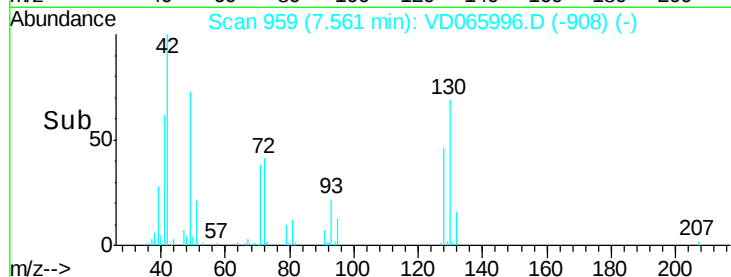
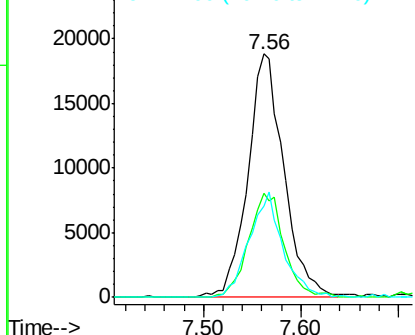
#29
Tetrahydrofuran
Concen: 106.662 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

Tgt Ion: 42 Resp: 48911
Ion Ratio Lower Upper
42 100
72 42.1 34.2 51.2
71 40.5 31.4 47.2

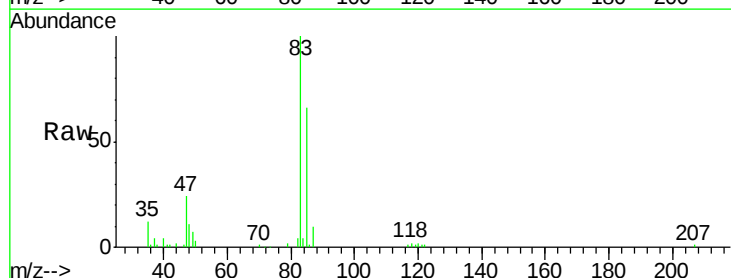


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

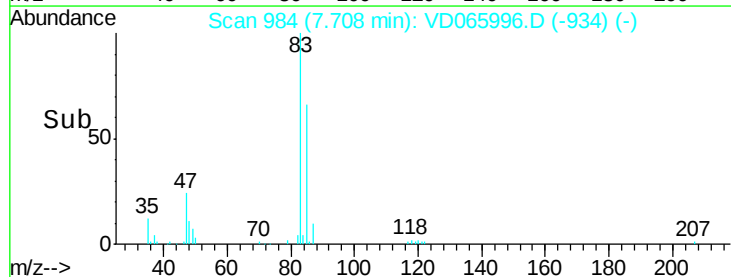
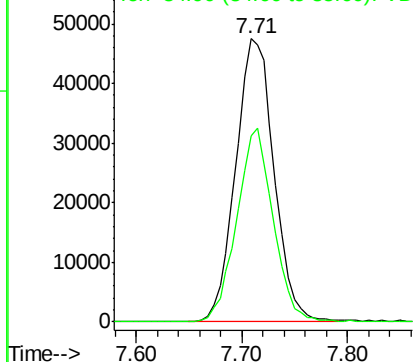


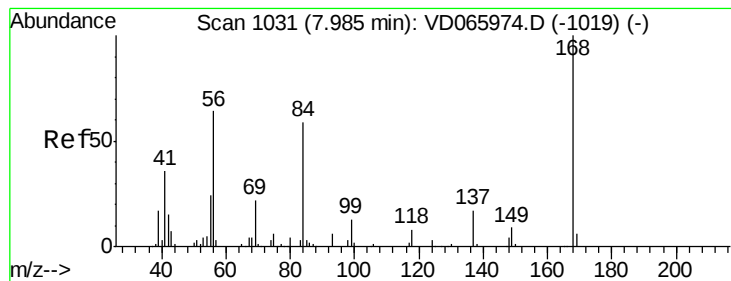
#30
Chloroform
Concen: 22.617 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion: 83 Resp: 119697
Ion Ratio Lower Upper
83 100
85 65.5 52.1 78.1



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





#31

Cyclohexane

Concen: 21.332 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBSD01

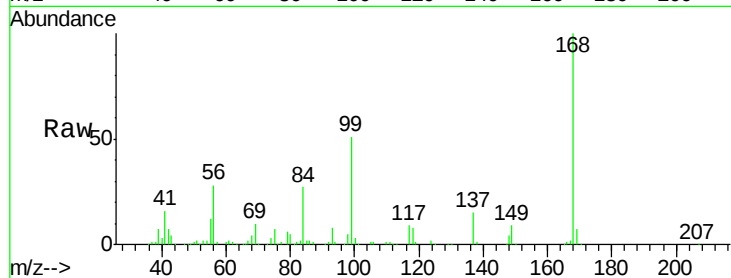
Tgt Ion: 56 Resp: 106179

Ion Ratio Lower Upper

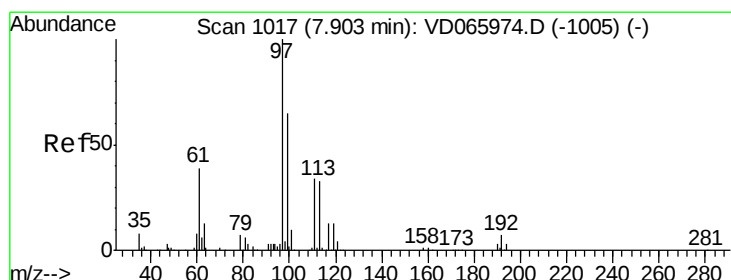
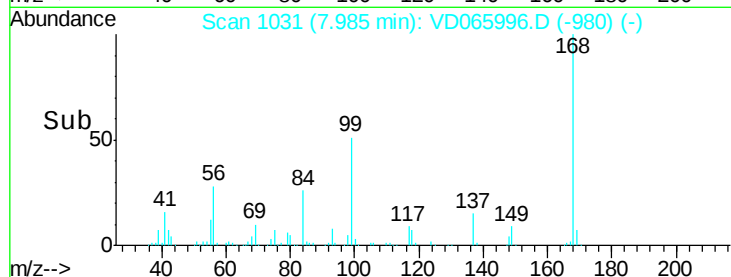
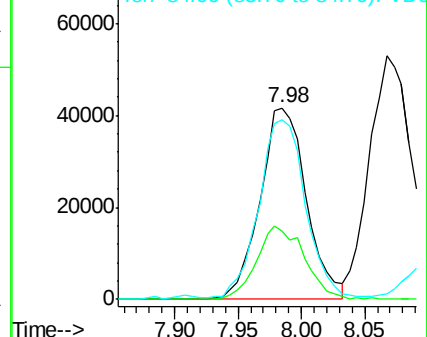
56 100

69 35.3 28.0 42.0

84 92.6 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: 21.743 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

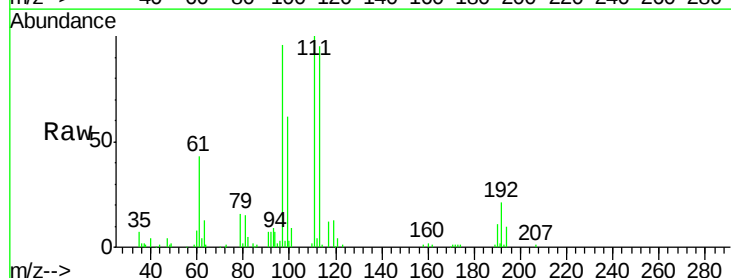
Tgt Ion: 97 Resp: 106440

Ion Ratio Lower Upper

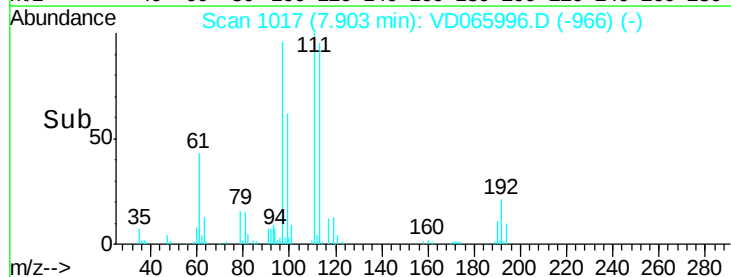
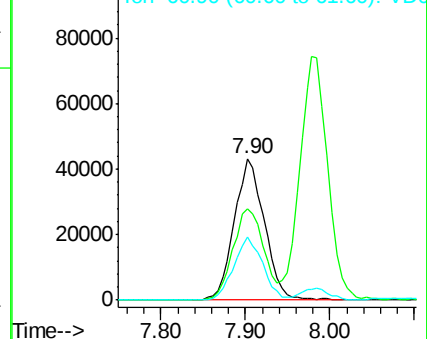
97 100

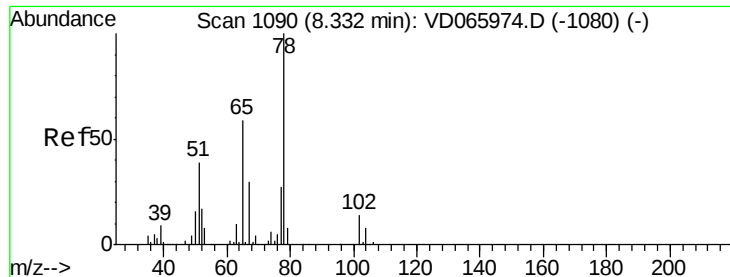
99 65.6 51.8 77.6

61 42.8 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

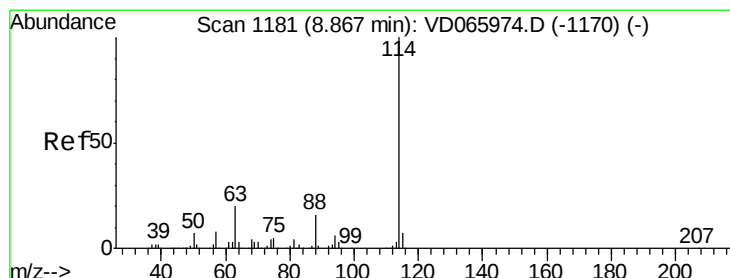
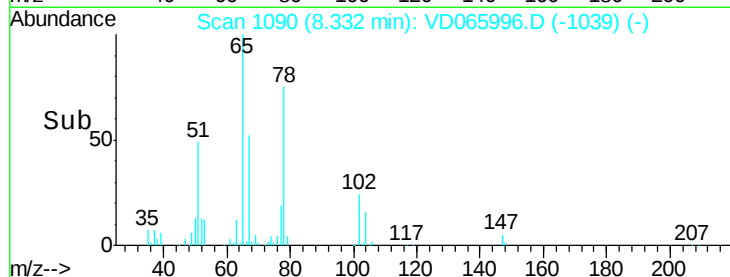
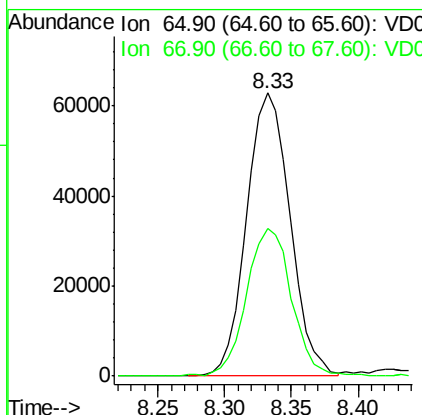
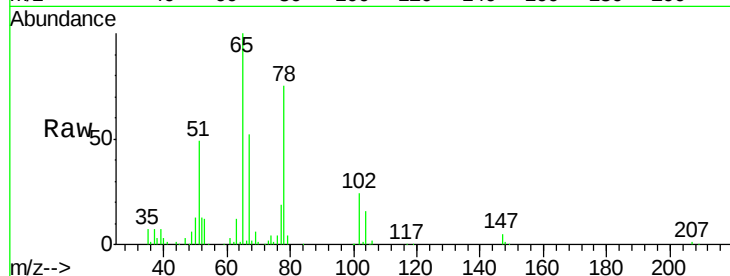




#33
 1,2-Dichloroethane-d4
 Concen: 51.374 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

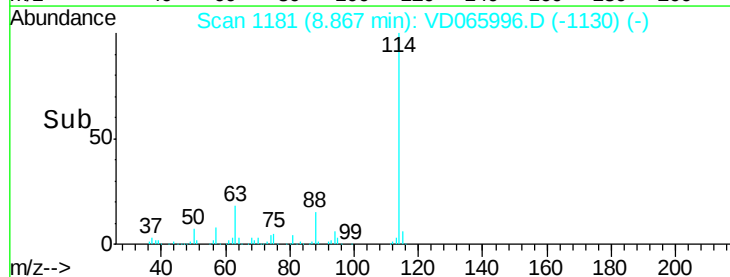
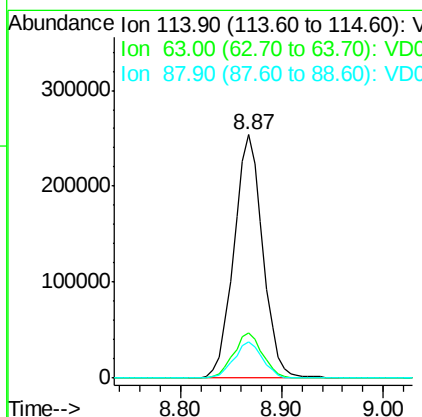
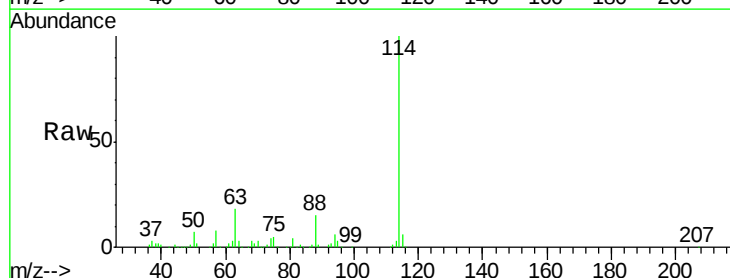
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Tgt Ion: 65 Resp: 142156
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Tgt Ion: 114 Resp: 500801
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 39.6
 88 15.0 0.0 31.2

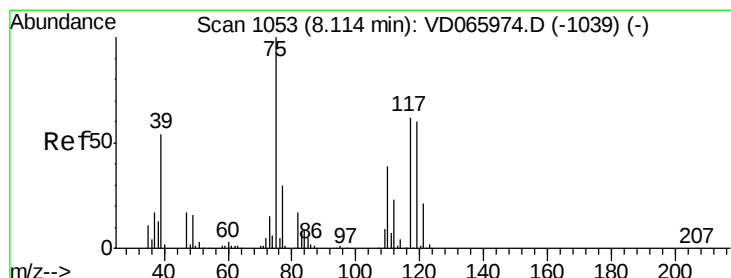
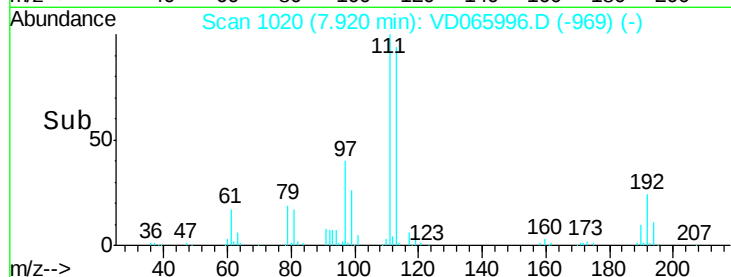
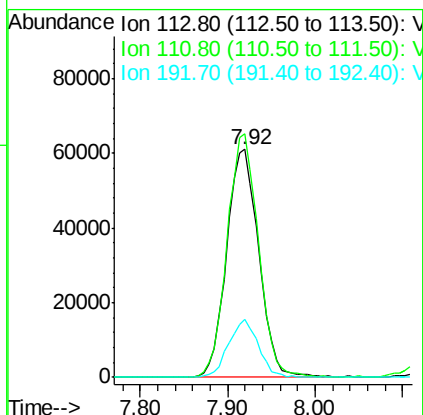
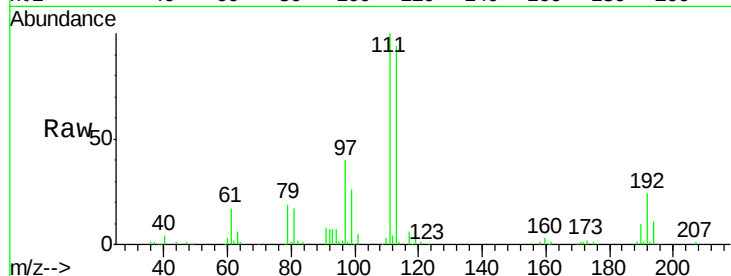




#35
 Dibromofluoromethane
 Concen: 50.222 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

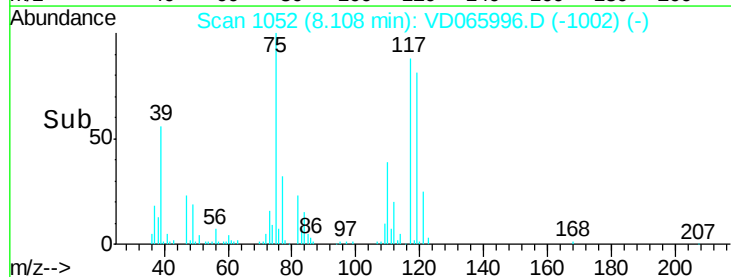
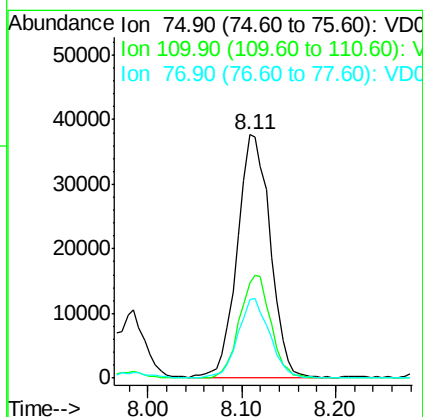
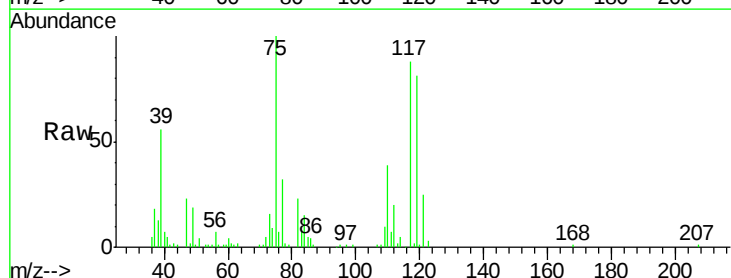
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

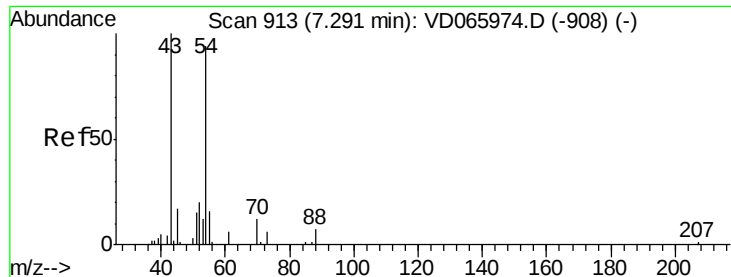
Tgt Ion: 113 Resp: 152550
 Ion Ratio Lower Upper
 113 100
 111 104.2 83.2 124.8
 192 23.6 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 21.553 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Tgt Ion: 75 Resp: 92121
 Ion Ratio Lower Upper
 75 100
 110 39.7 19.5 58.5
 77 31.3 24.7 37.1

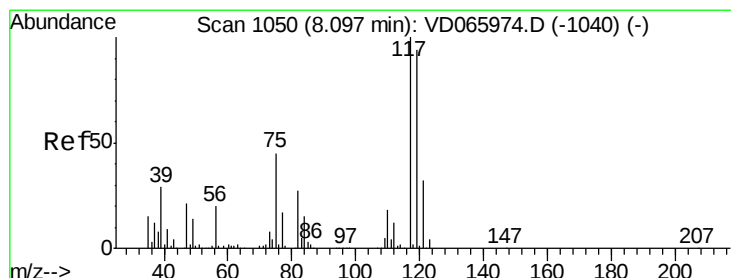
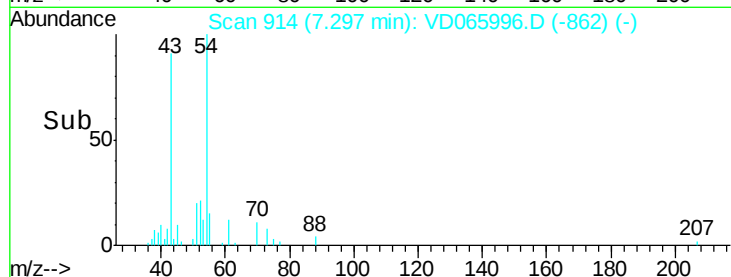
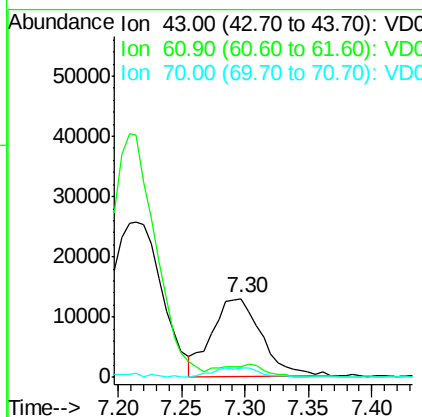
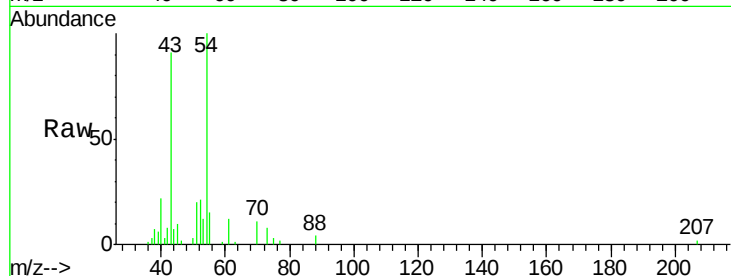




#37
Ethyl Acetate
Concen: 21.396 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

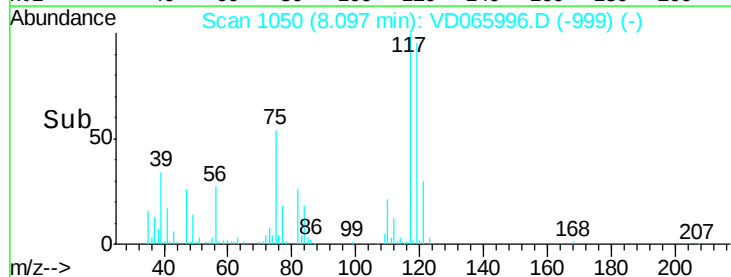
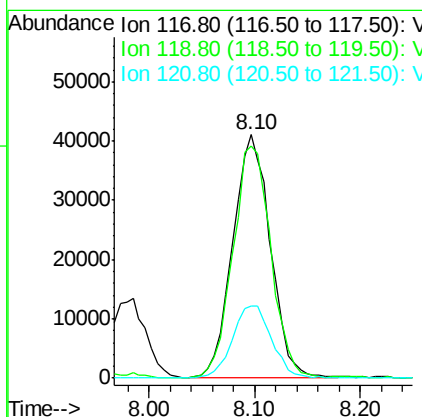
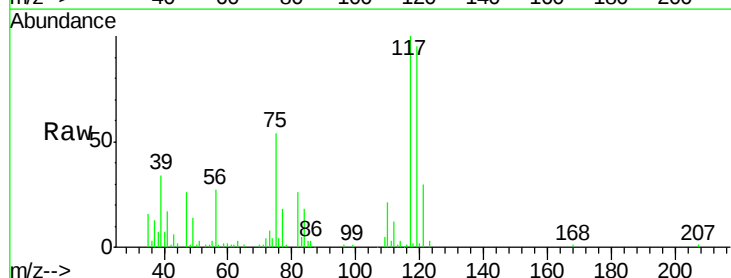
Instrument :
MSVOA_D
ClientSampleId :
VD0722SBSD01

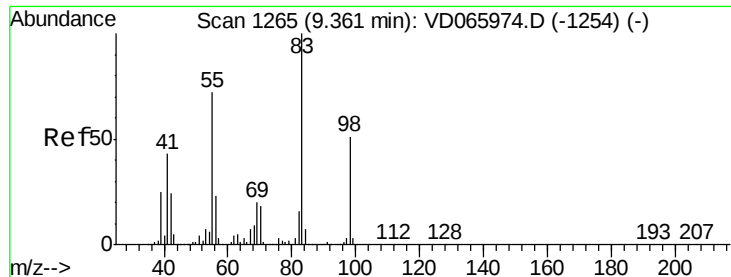
Tgt Ion: 43 Resp: 34924
Ion Ratio Lower Upper
43 100
61 15.6 11.4 17.0
70 11.5 9.3 13.9



#38
Carbon Tetrachloride
Concen: 21.933 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion: 117 Resp: 101717
Ion Ratio Lower Upper
117 100
119 95.1 75.0 112.6
121 29.6 25.5 38.3

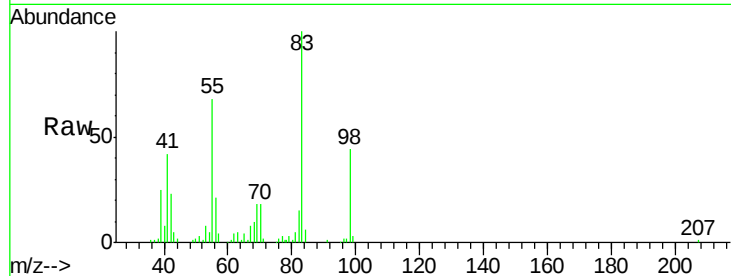




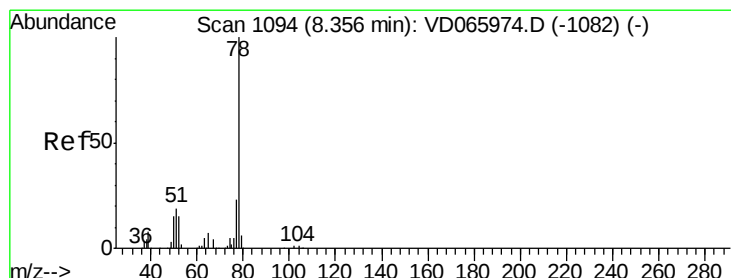
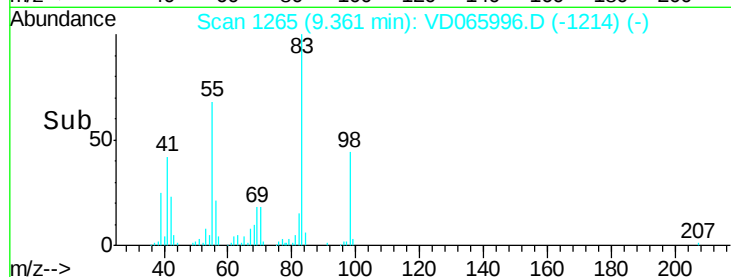
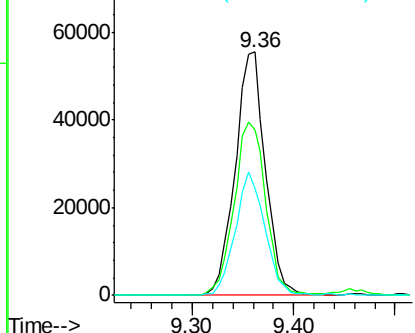
#39
Methylcyclohexane
Concen: 22.212 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBSD01

Tgt Ion: 83 Resp: 114967
Ion Ratio Lower Upper
83 100
55 67.9 57.3 85.9
98 43.6 41.0 61.6

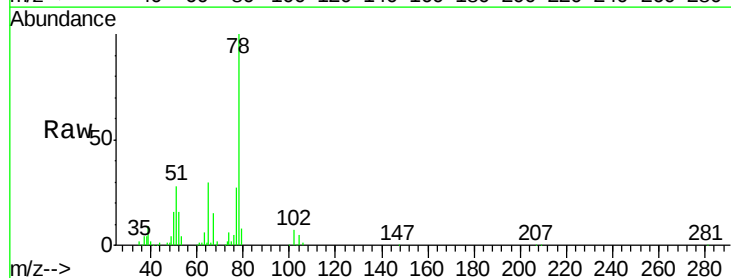


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

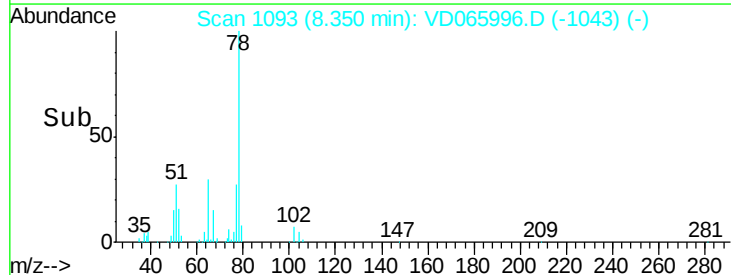
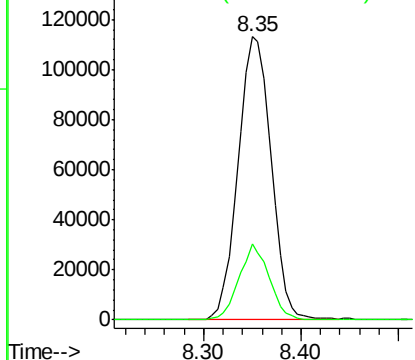


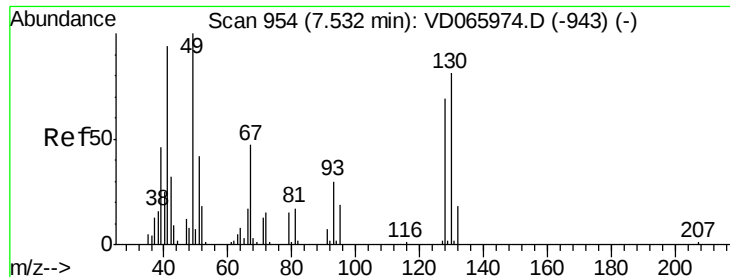
#40
Benzene
Concen: 22.339 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion: 78 Resp: 267120
Ion Ratio Lower Upper
78 100
77 26.9 18.6 27.8



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

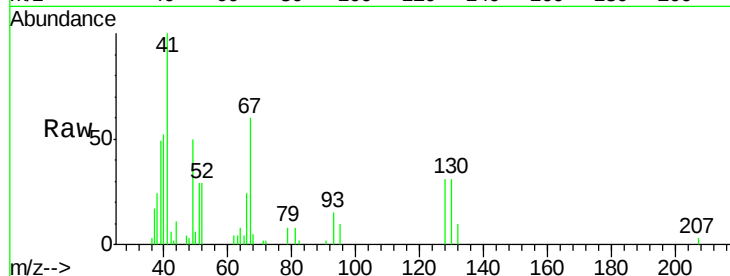




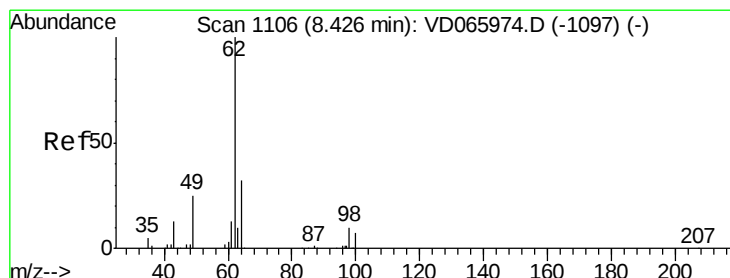
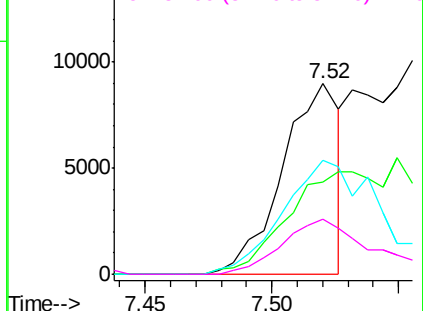
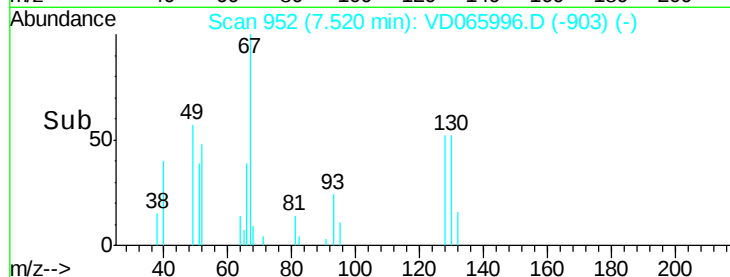
#41
Methacrylonitrile
Concen: 15.160 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBSD01

Tgt Ion:	41	Resp:	14176
Ion	Ratio	Lower	Upper
41	100		
39	86.2	0.0	0.0#
67	99.6	0.0	0.0#
52	44.0	0.0	0.0#

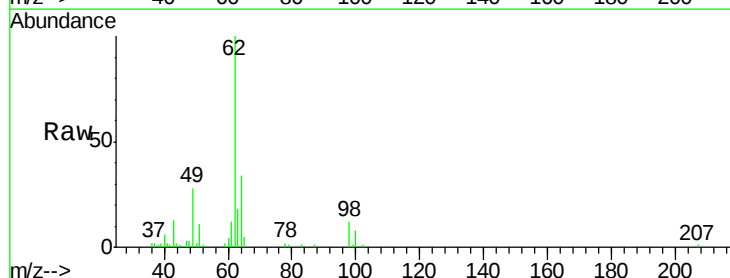


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

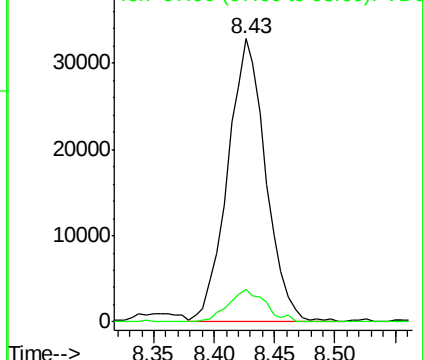
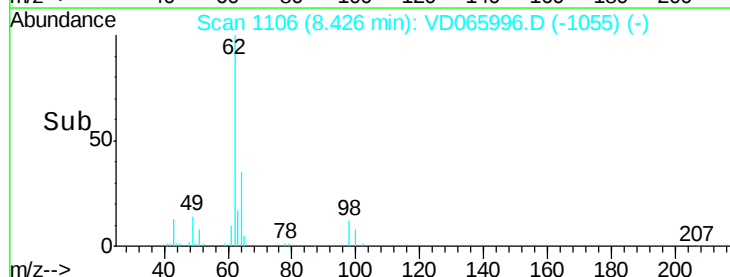


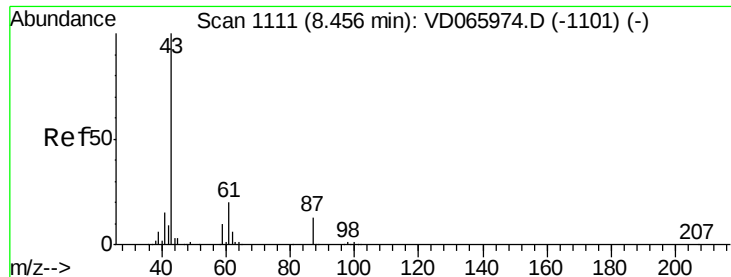
#42
1,2-Dichloroethane
Concen: 21.963 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion:	62	Resp:	71964
Ion	Ratio	Lower	Upper
62	100		
98	11.2	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: 22.023 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

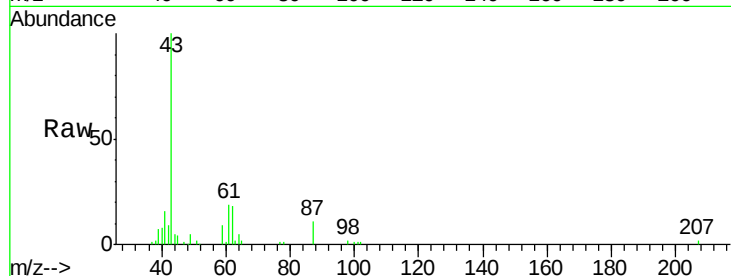
Tgt Ion: 43 Resp: 70210

Ion Ratio Lower Upper

43 100

61 28.6 25.8 38.8

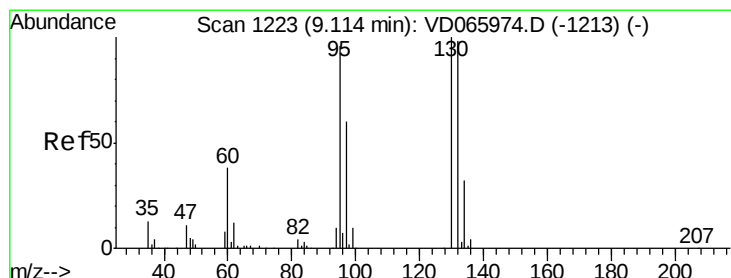
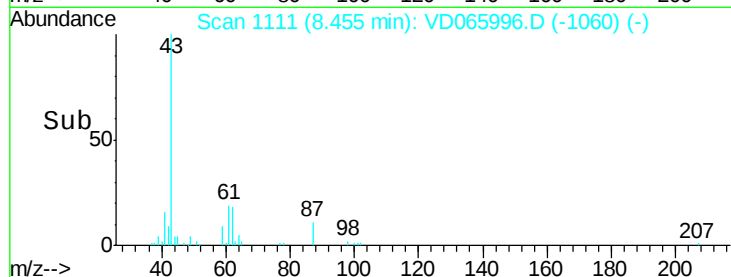
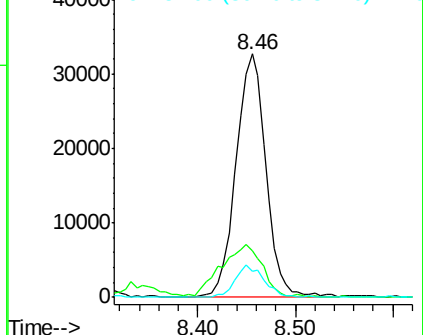
87 12.6 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.537 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065996.D

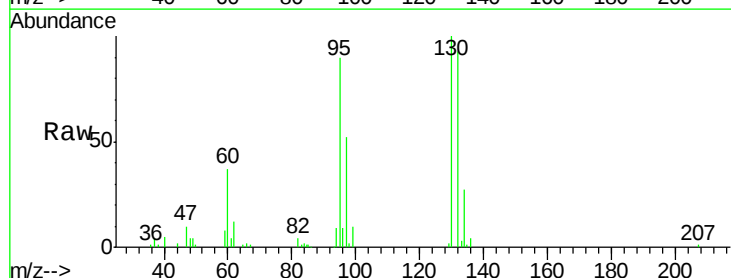
Acq: 22 Jul 2020 12:43

Tgt Ion: 130 Resp: 77931

Ion Ratio Lower Upper

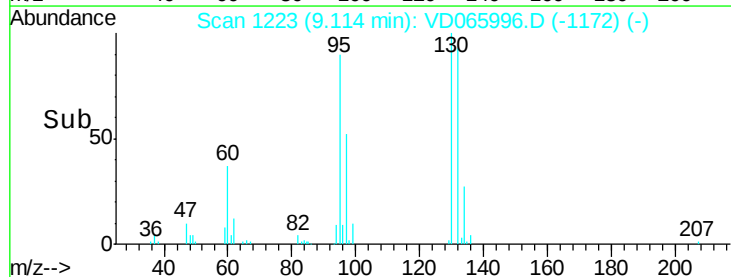
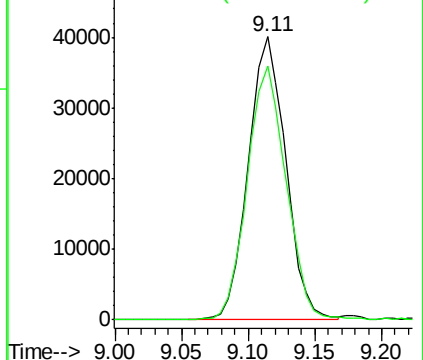
130 100

95 89.8 0.0 191.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

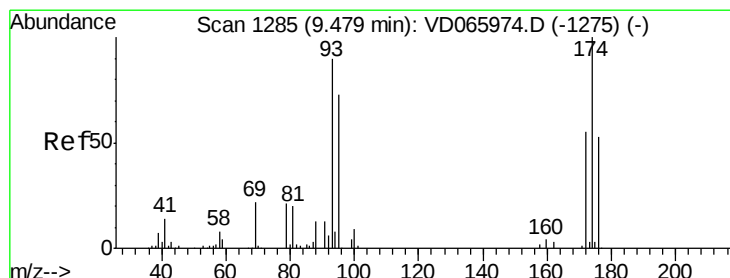
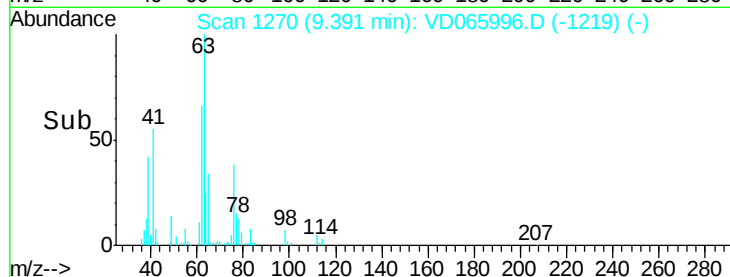
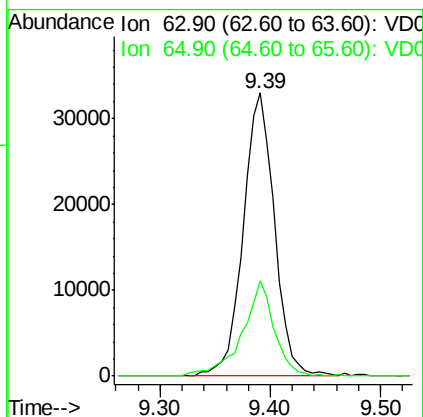
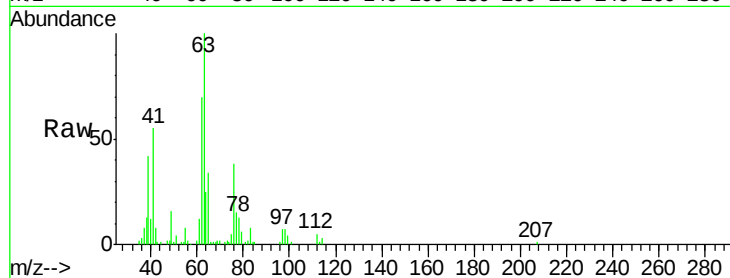




#45
 1,2-Dichloropropane
 Concen: 22.668 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

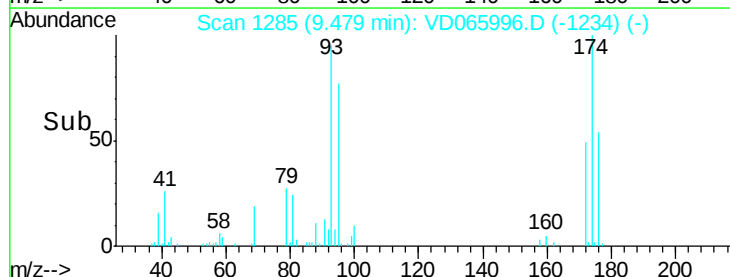
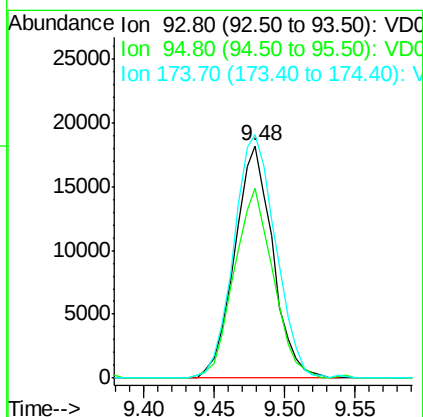
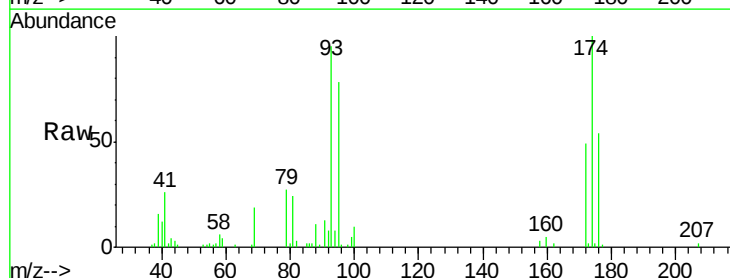
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

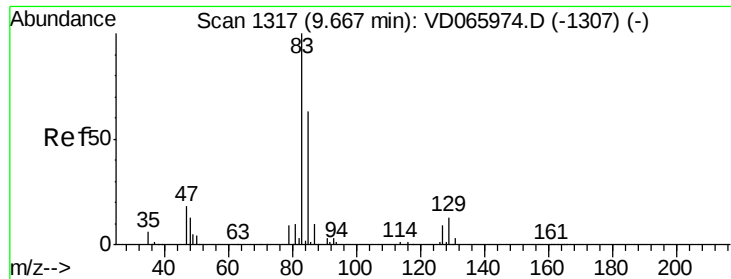
Tgt Ion: 63 Resp: 65646
 Ion Ratio Lower Upper
 63 100
 65 33.0 24.0 36.0



#46
 Dibromomethane
 Concen: 21.976 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Tgt Ion: 93 Resp: 34260
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.2 99.4
 174 115.1 91.5 137.3

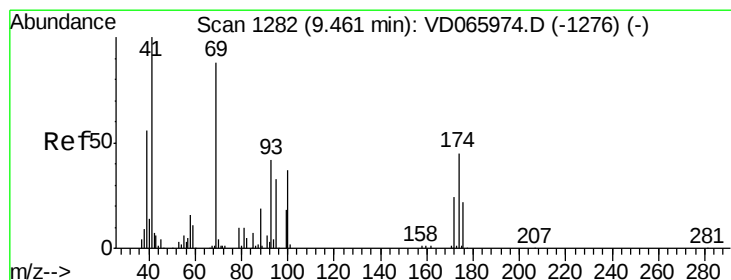
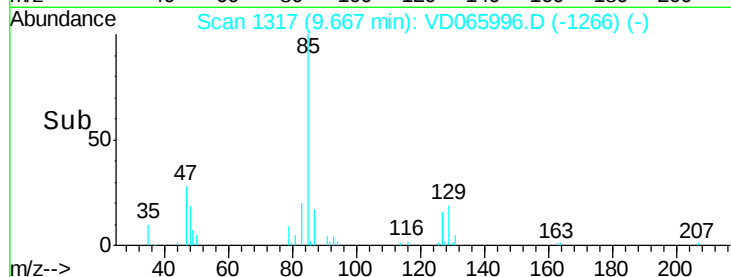
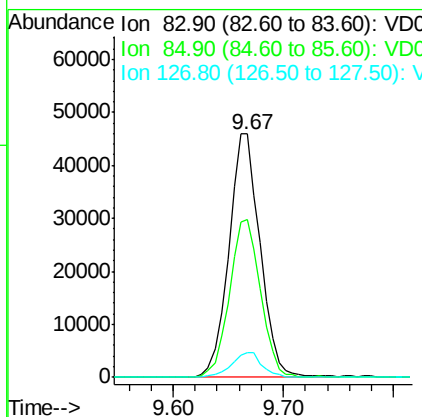
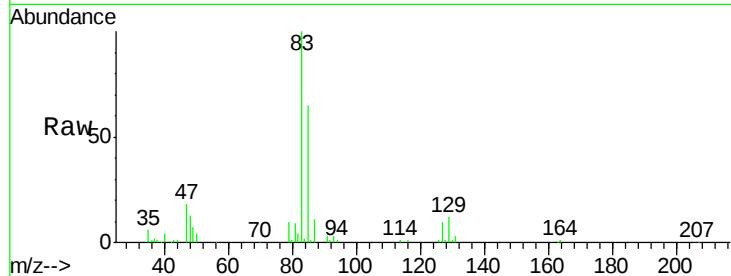




#47
Bromodichloromethane
Concen: 22.149 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

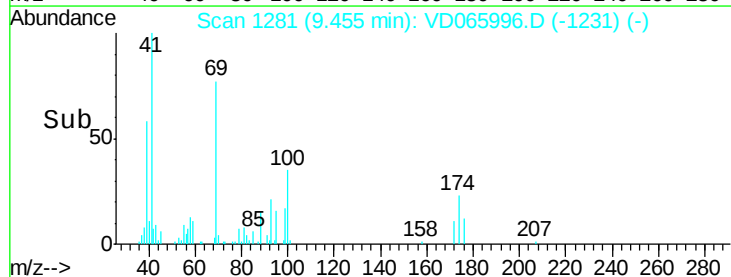
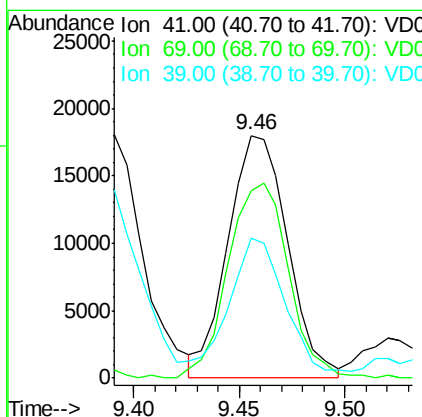
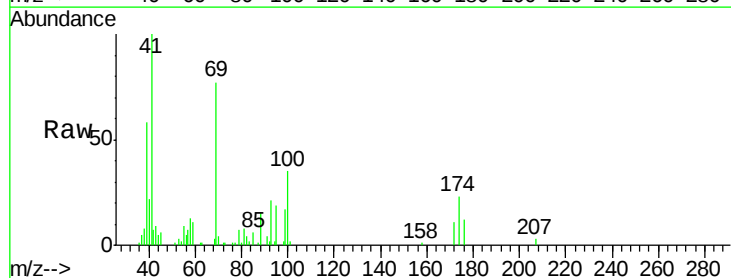
Instrument :
MSVOA_D
ClientSampleId :
VD0722SBSD01

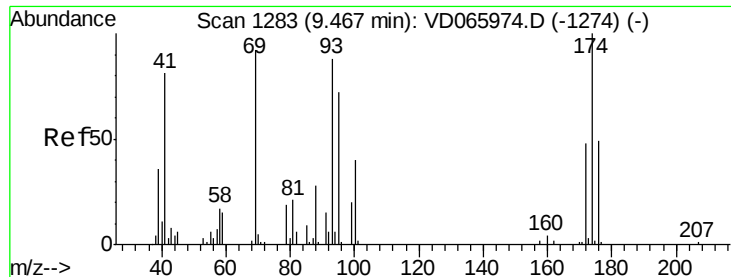
Tgt Ion: 83 Resp: 91302
Ion Ratio Lower Upper
83 100
85 64.9 50.6 75.8
127 10.1 7.1 10.7



#48
Methyl methacrylate
Concen: 21.912 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion: 41 Resp: 35238
Ion Ratio Lower Upper
41 100
69 81.8 65.1 97.7
39 49.1 41.5 62.3





#49

1,4-Dioxane

Concen: 415.681 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

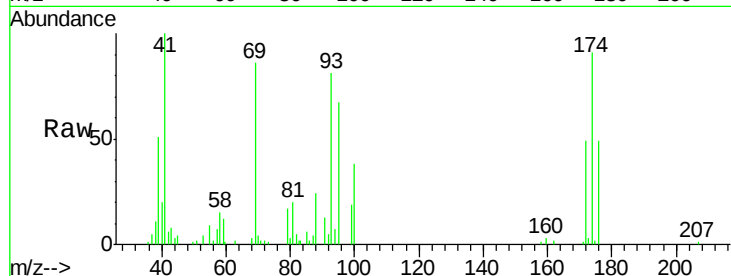
Tgt Ion: 88 Resp: 7508

Ion Ratio Lower Upper

88 100

43 46.0 29.0 43.6#

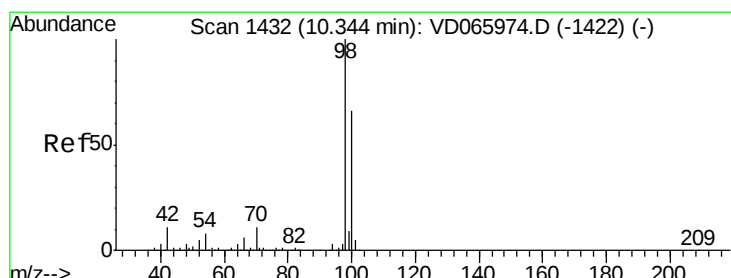
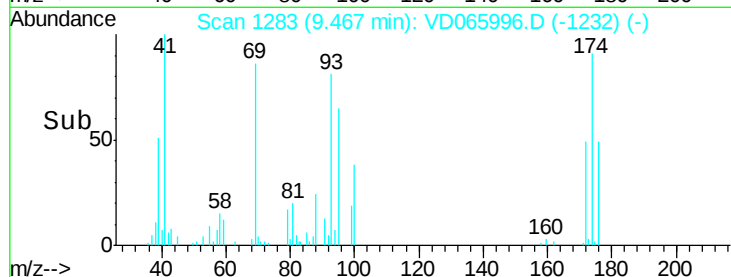
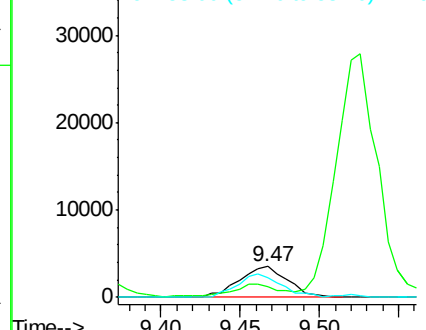
58 69.2 57.0 85.4



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: 51.933 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065996.D

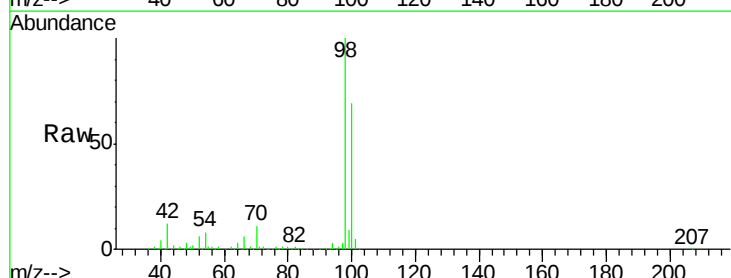
Acq: 22 Jul 2020 12:43

Tgt Ion: 98 Resp: 587648

Ion Ratio Lower Upper

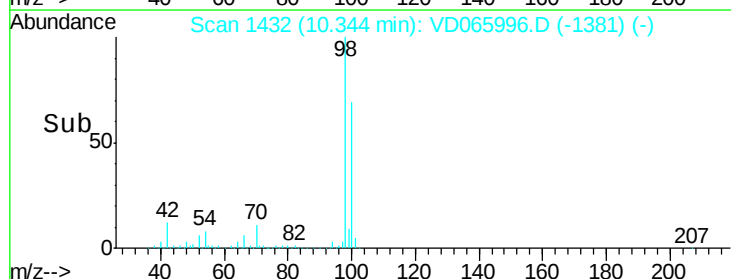
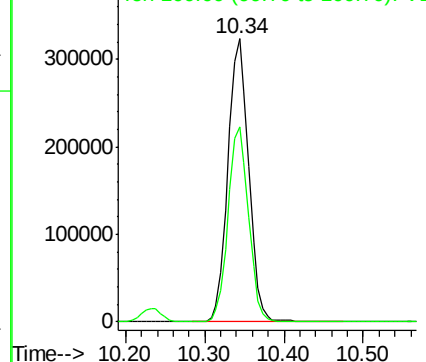
98 100

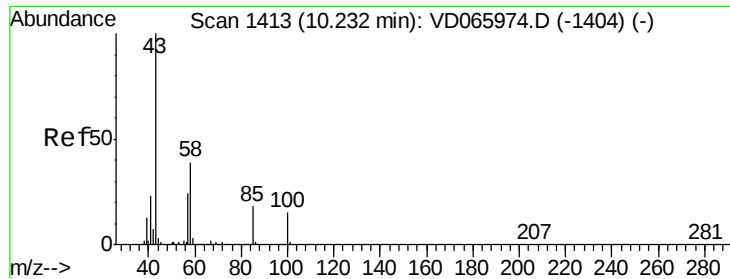
100 68.0 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

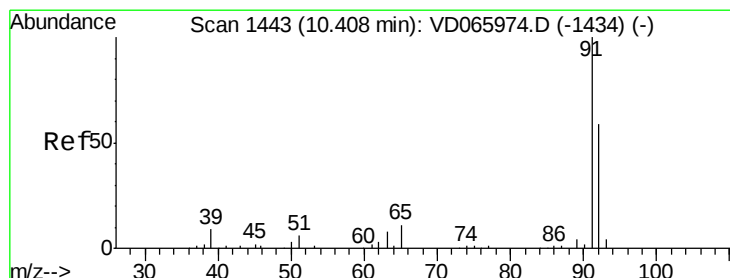
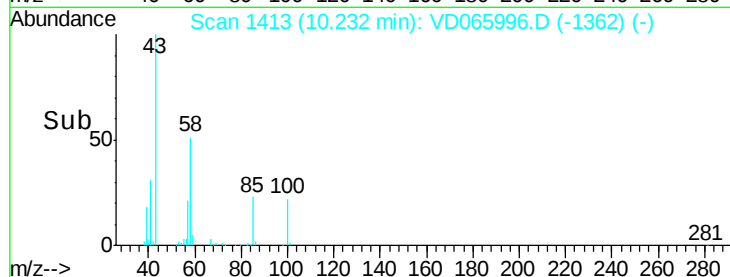
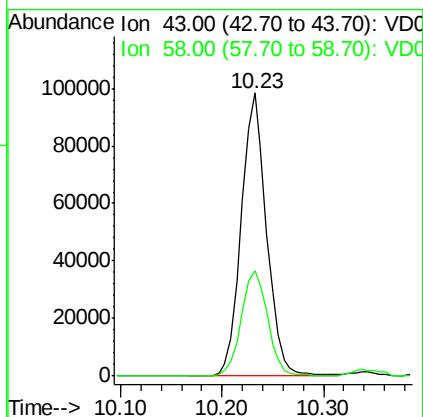
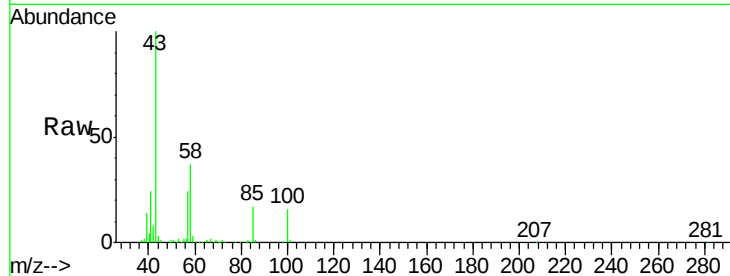




#51
 4-Methyl-2-Pentanone
 Concen: 106.625 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

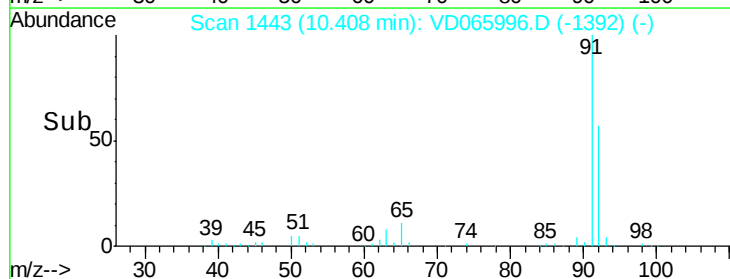
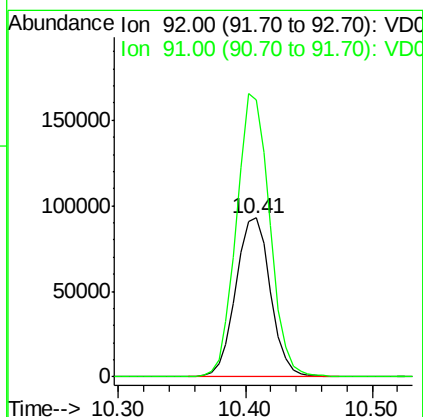
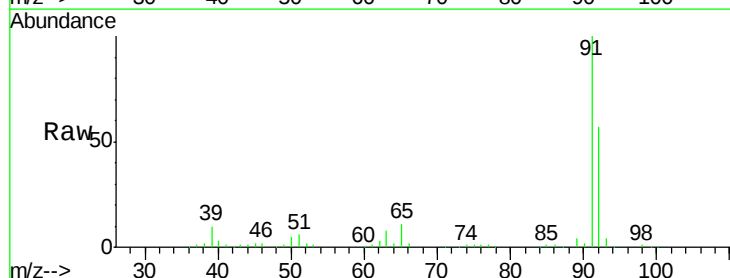
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

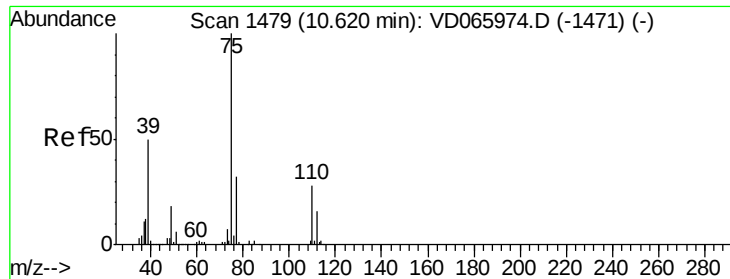
Tgt Ion: 43 Resp: 171274
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.3 46.9



#52
 Toluene
 Concen: 22.616 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Tgt Ion: 92 Resp: 176359
 Ion Ratio Lower Upper
 92 100
 91 171.9 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 21.815 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

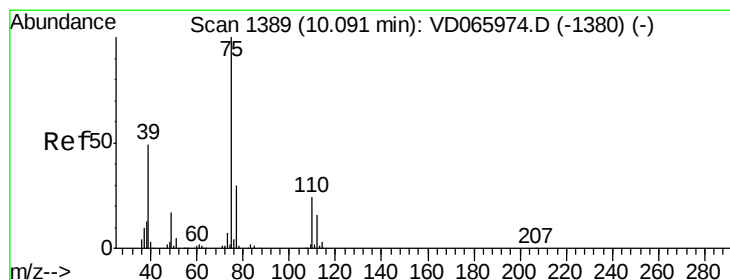
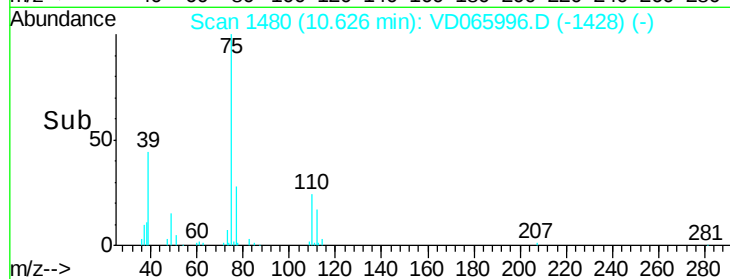
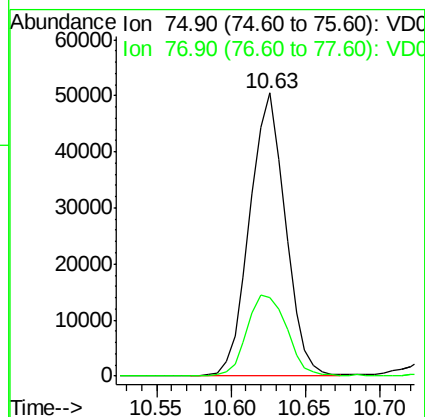
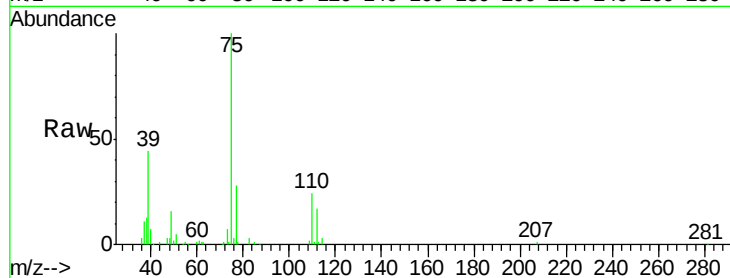
VD0722SBS01

Tgt Ion: 75 Resp: 83777

Ion Ratio Lower Upper

75 100

77 27.9 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 22.755 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

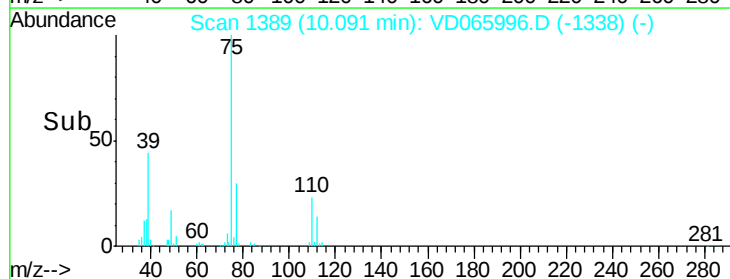
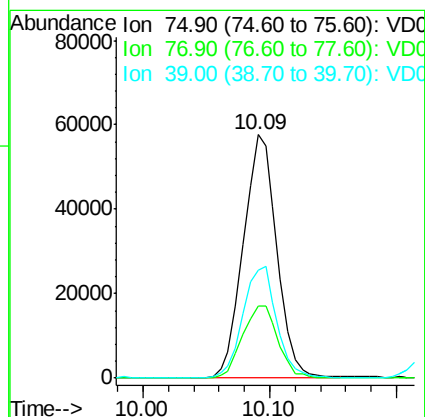
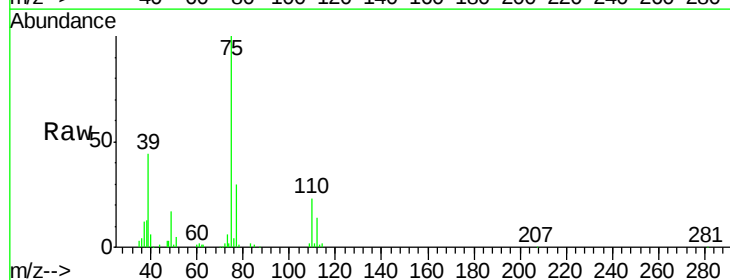
Tgt Ion: 75 Resp: 105929

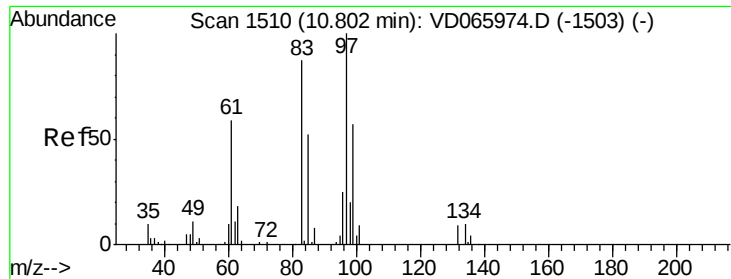
Ion Ratio Lower Upper

75 100

77 29.5 23.8 35.8

39 44.2 38.8 58.2





#55

1,1,2-Trichloroethane

Concen: 21.593 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

Tgt Ion: 97 Resp: 47744

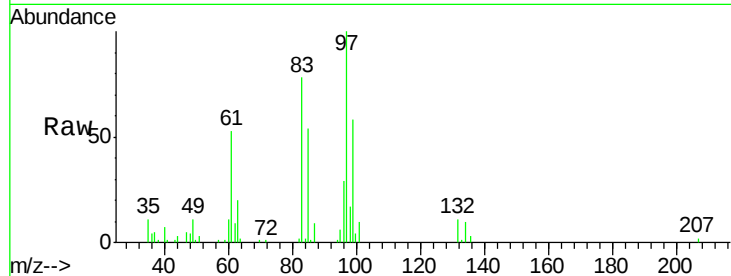
Ion Ratio Lower Upper

97 100

83 77.5 69.7 104.5

85 54.3 41.6 62.4

99 58.2 45.9 68.9

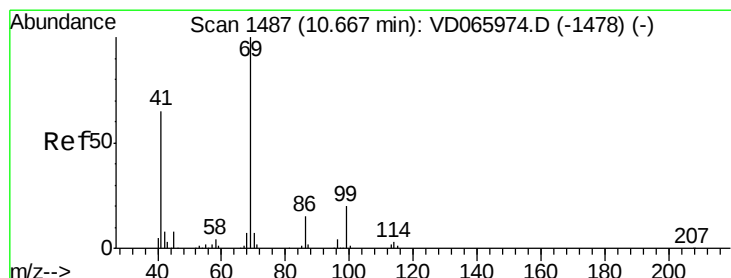
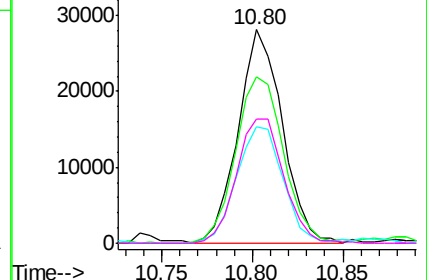
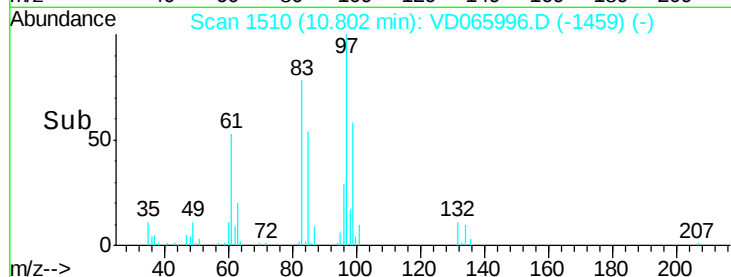


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 21.322 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

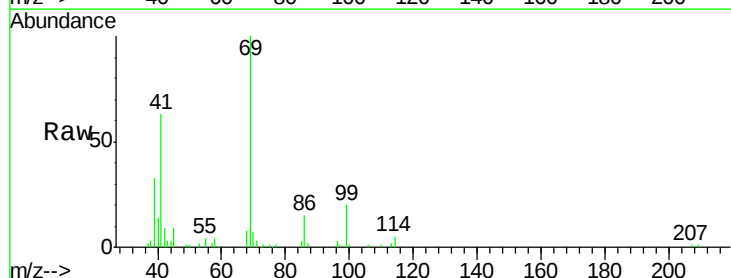
Tgt Ion: 69 Resp: 54812

Ion Ratio Lower Upper

69 100

41 70.3 52.3 78.5

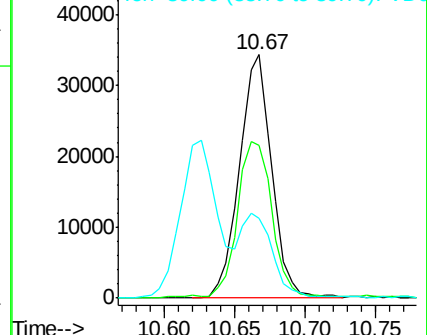
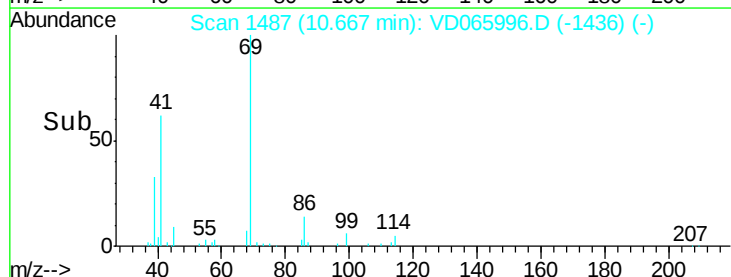
39 32.4 25.2 37.8

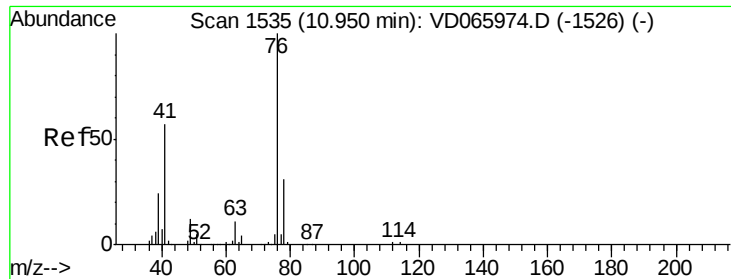


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

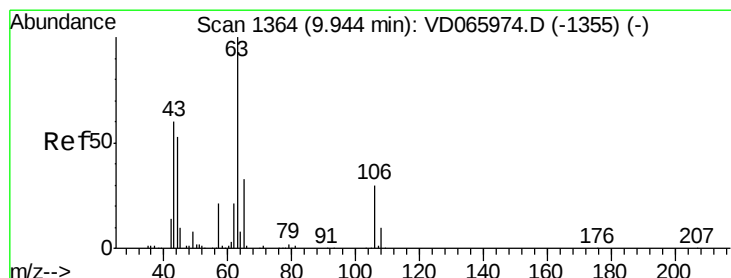
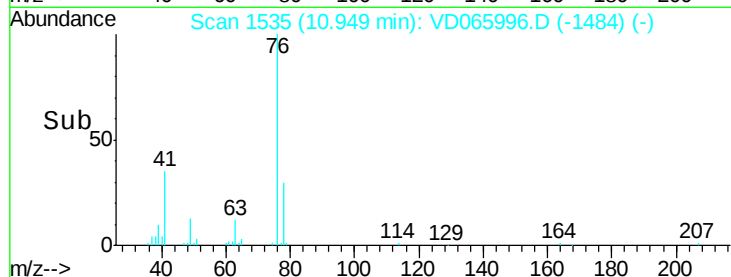
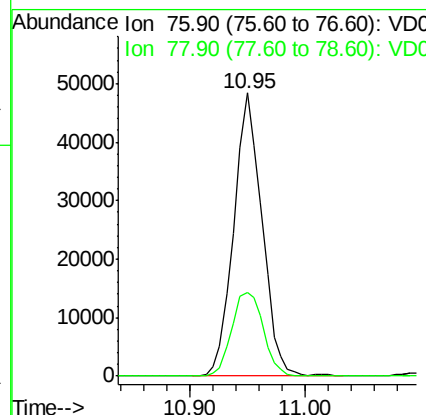
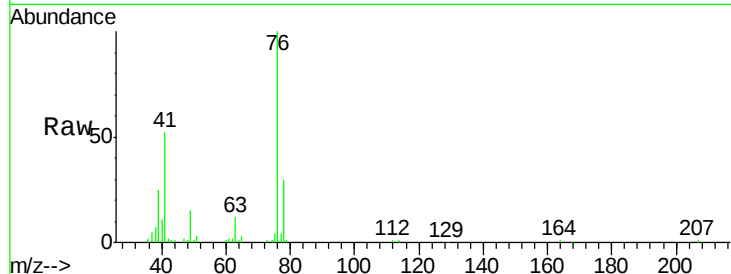




#57
 1,3-Dichloropropane
 Concen: 22.438 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

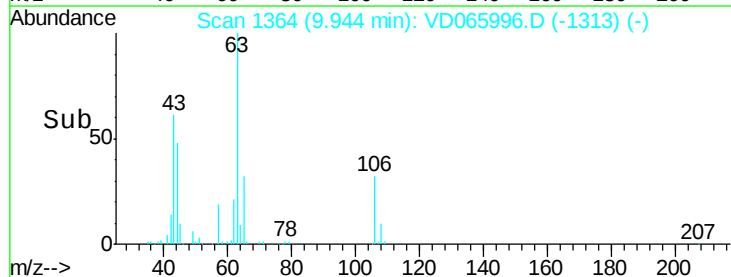
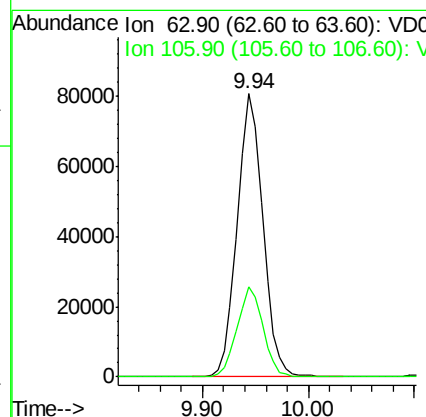
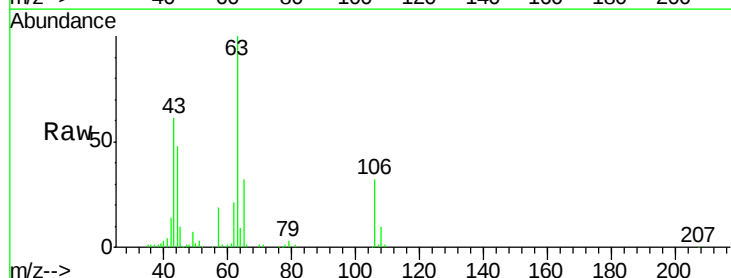
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBSD01

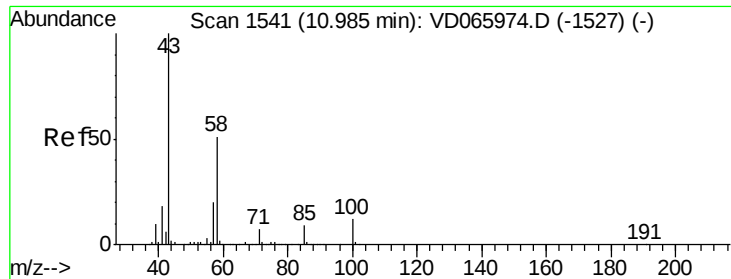
Tgt Ion: 76 Resp: 82129
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.750 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Tgt Ion: 63 Resp: 136005
 Ion Ratio Lower Upper
 63 100
 106 31.8 24.4 36.6

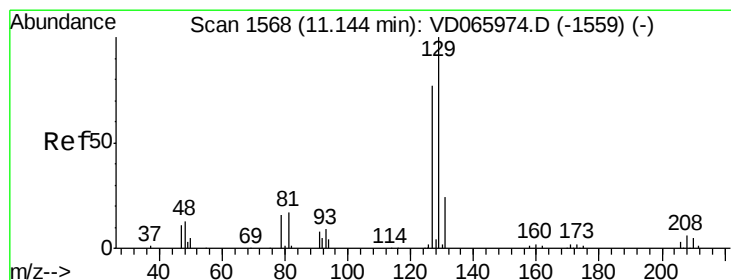
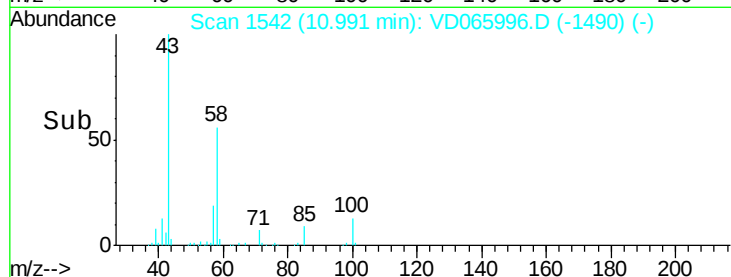
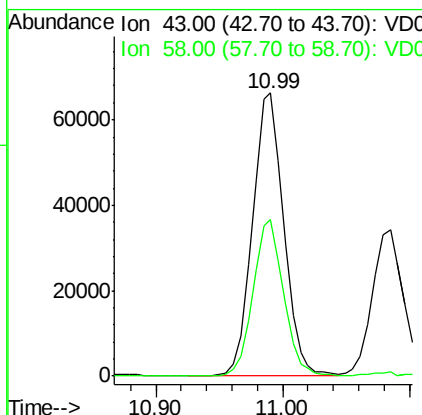
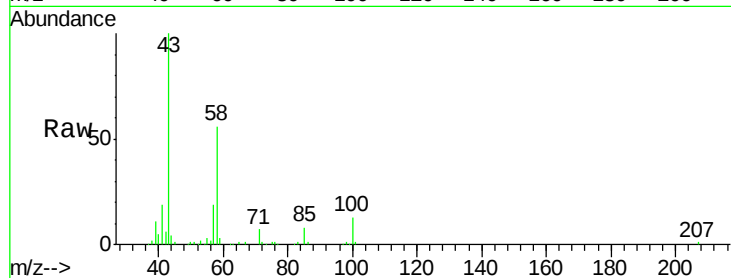




#59
2-Hexanone
Concen: 102.480 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

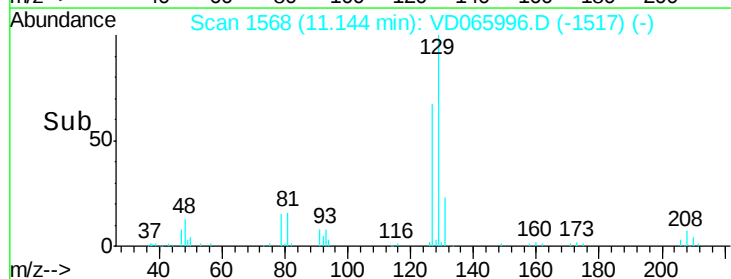
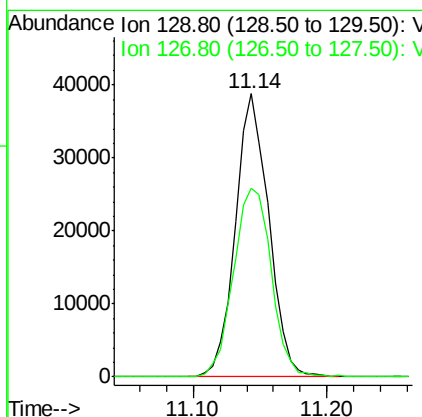
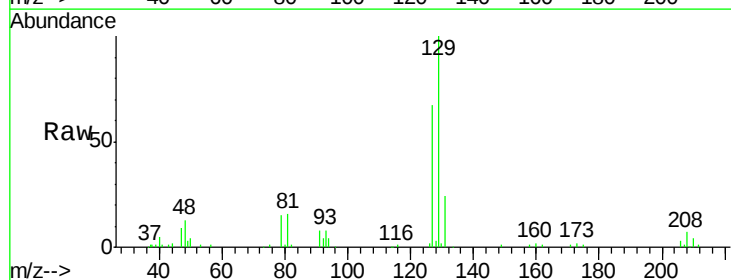
Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

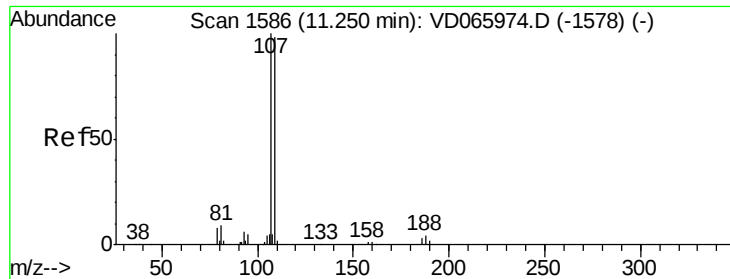
Tgt Ion: 43 Resp: 114077
Ion Ratio Lower Upper
43 100
58 54.2 26.2 78.6



#60
Dibromochloromethane
Concen: 22.494 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion: 129 Resp: 67060
Ion Ratio Lower Upper
129 100
127 75.6 38.6 115.7

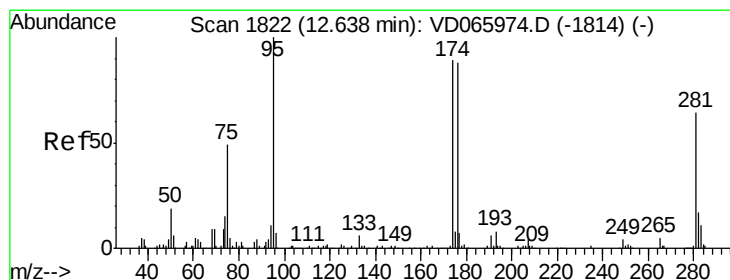
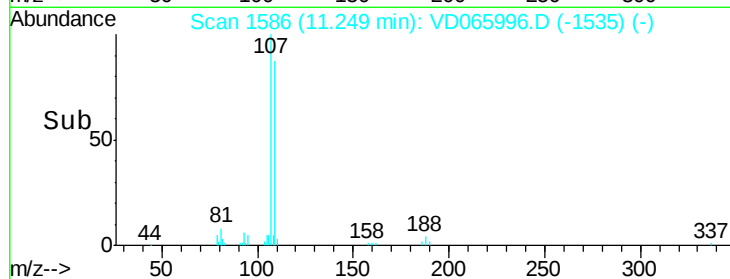
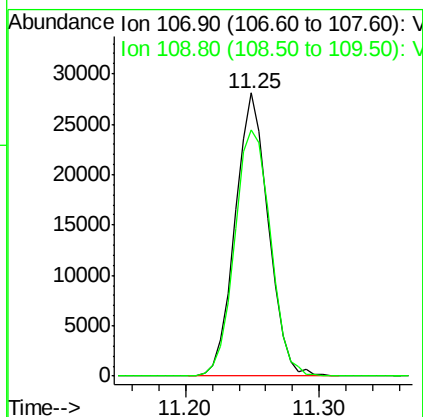
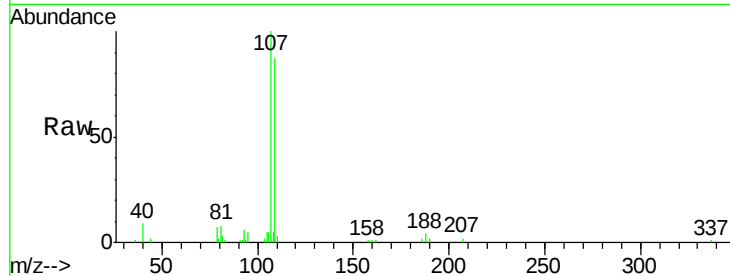




#61
 1,2-Dibromoethane
 Concen: 22.736 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

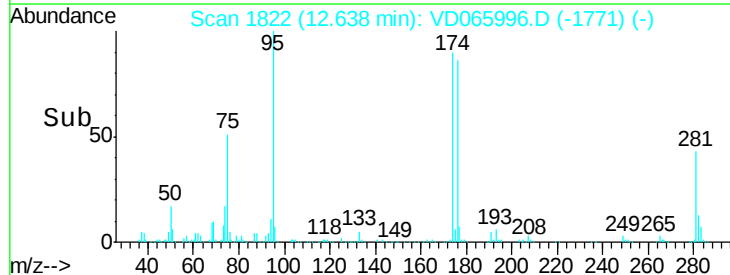
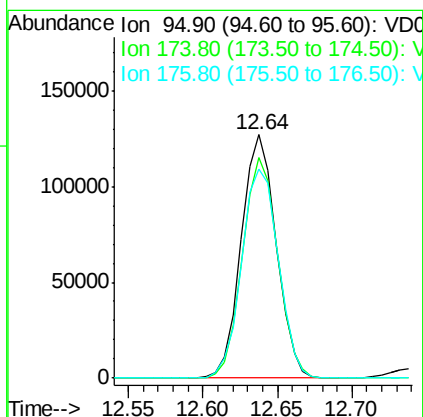
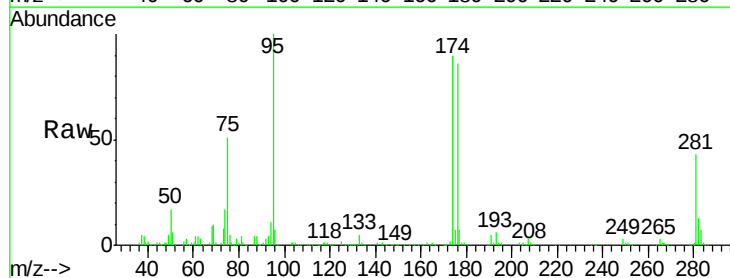
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBSD01

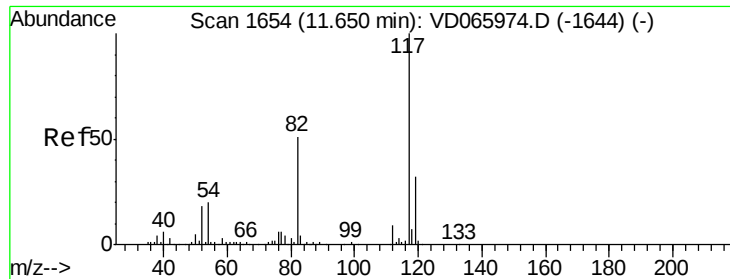
Tgt Ion: 107 Resp: 48470
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 52.583 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Tgt Ion: 95 Resp: 206311
 Ion Ratio Lower Upper
 95 100
 174 91.0 0.0 178.8
 176 90.3 0.0 172.6

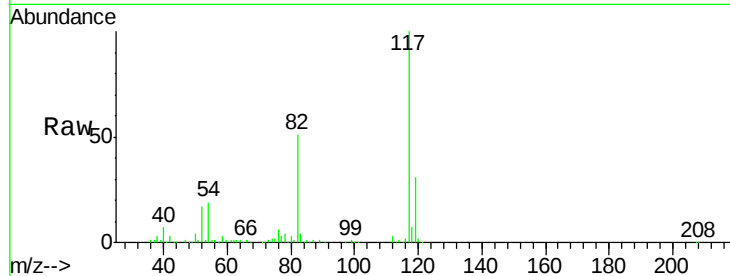




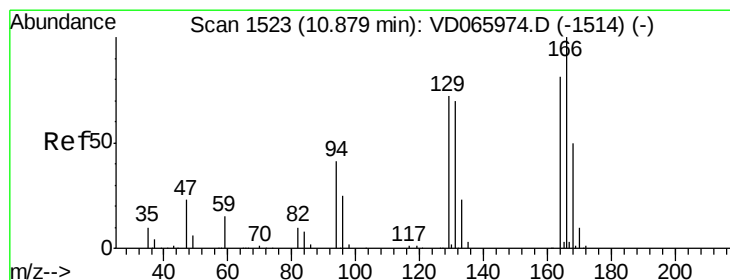
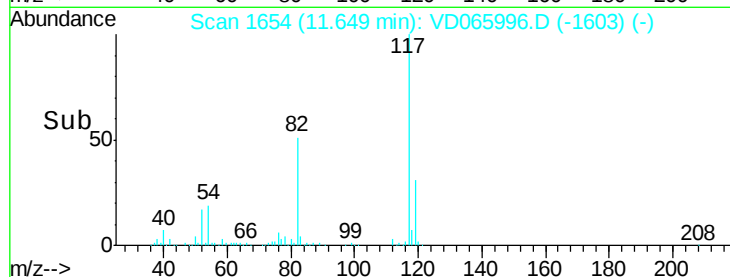
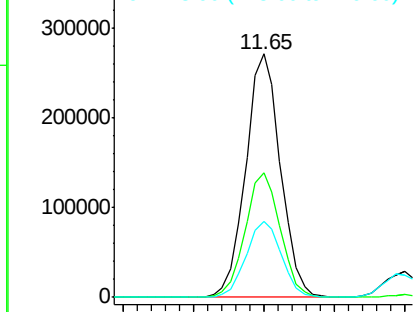
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBSD01

Tgt Ion:117 Resp: 468501
Ion Ratio Lower Upper
117 100
82 51.2 41.1 61.7
119 31.2 25.9 38.9

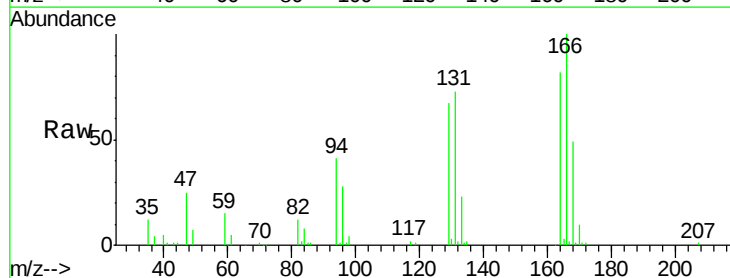


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

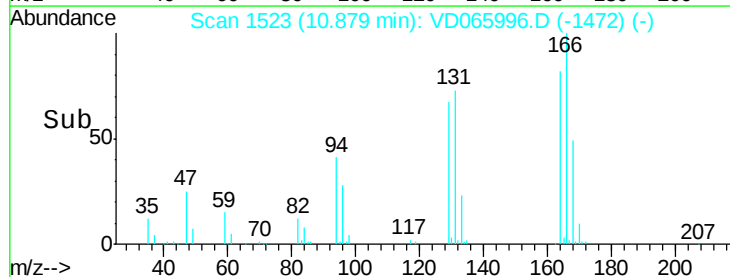
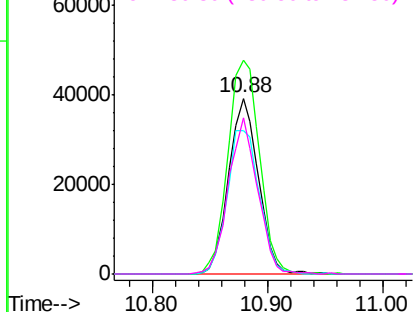


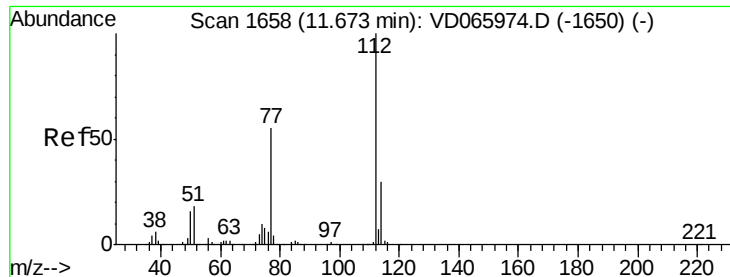
#64
Tetrachloroethene
Concen: 22.009 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion:164 Resp: 69987
Ion Ratio Lower Upper
164 100
166 121.8 99.1 148.7
129 82.0 71.5 107.3
131 89.0 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

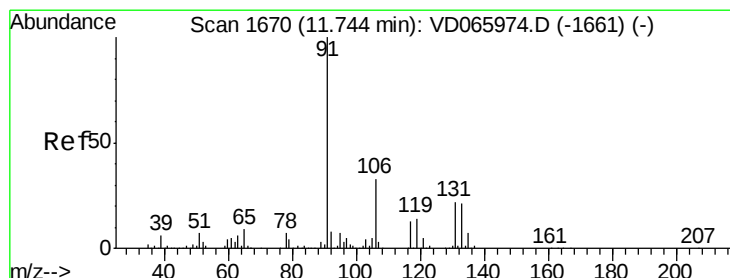
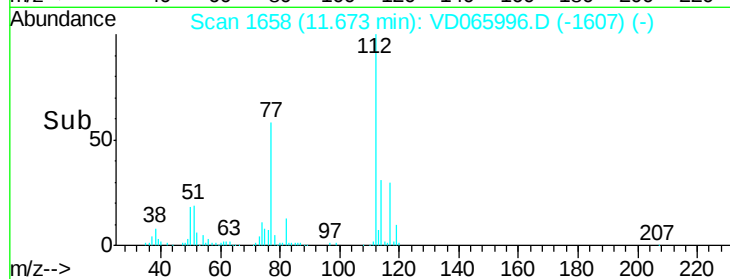
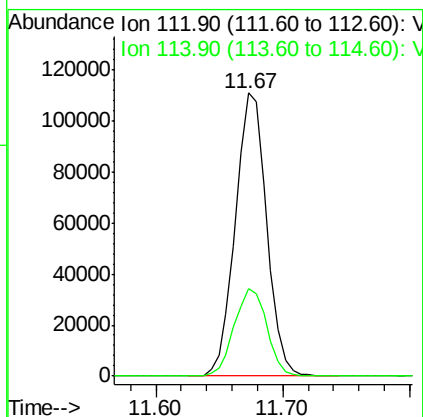
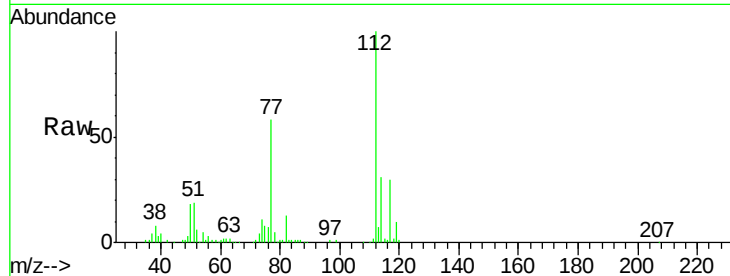




#65
Chlorobenzene
Concen: 22.128 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

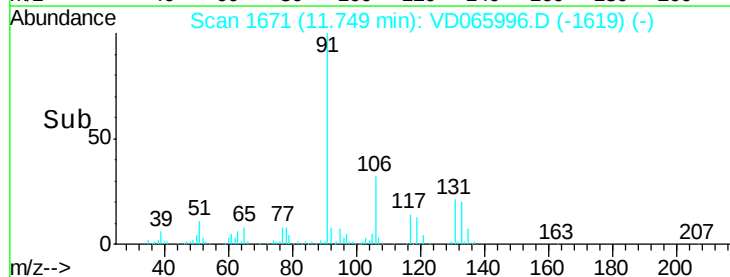
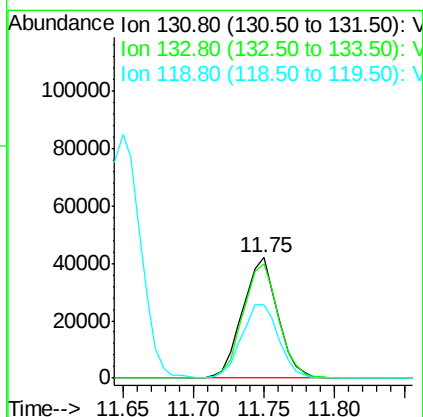
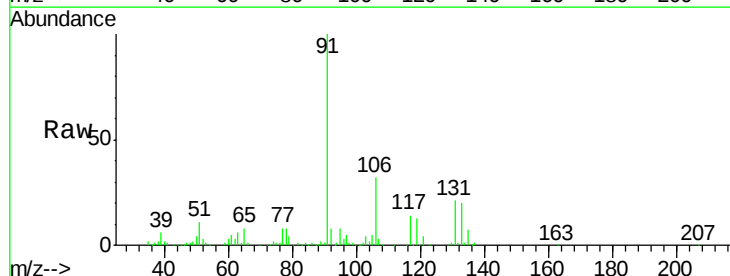
Instrument :
MSVOA_D
ClientSampleId :
VD0722SBSD01

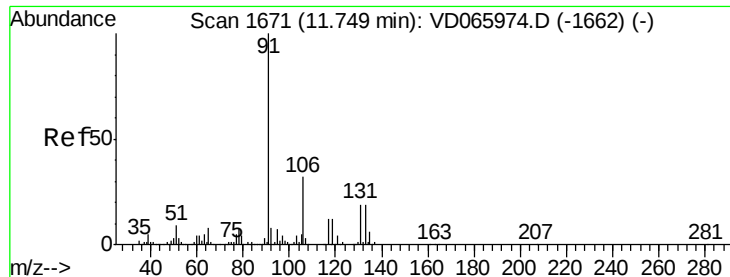
Tgt Ion:112 Resp: 189818
Ion Ratio Lower Upper
112 100
114 30.7 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 23.148 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion:131 Resp: 73318
Ion Ratio Lower Upper
131 100
133 95.6 47.3 142.0
119 65.0 31.7 95.1





#67

Ethyl Benzene

Concen: 22.307 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

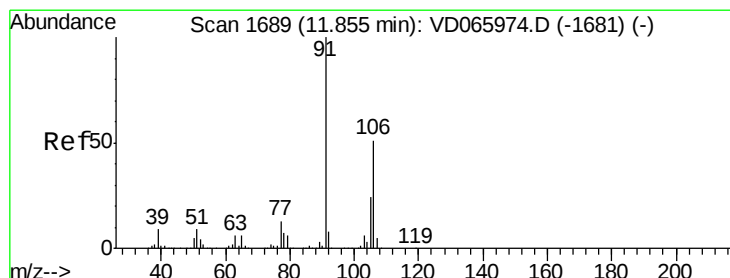
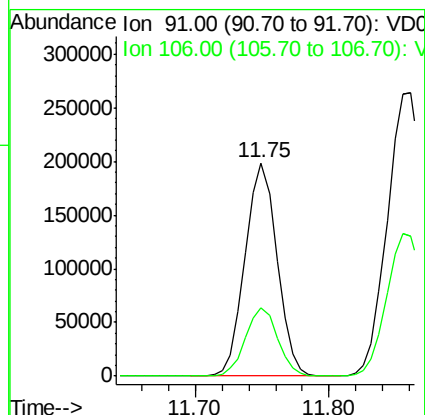
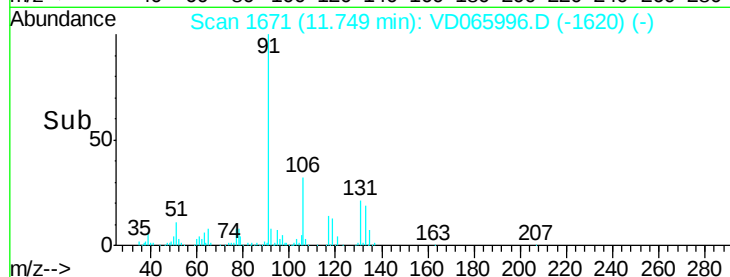
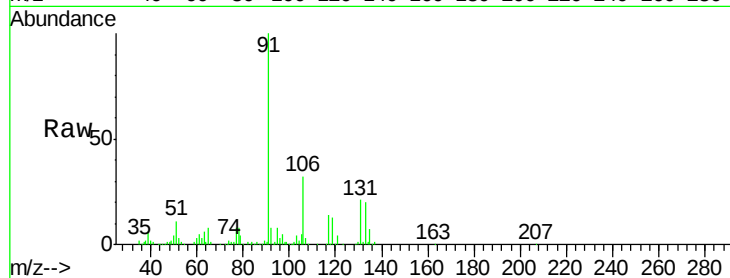
VD0722SBS01

Tgt Ion: 91 Resp: 329294

Ion Ratio Lower Upper

91 100

106 32.2 25.7 38.5



#68

m/p-Xylenes

Concen: 45.998 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065996.D

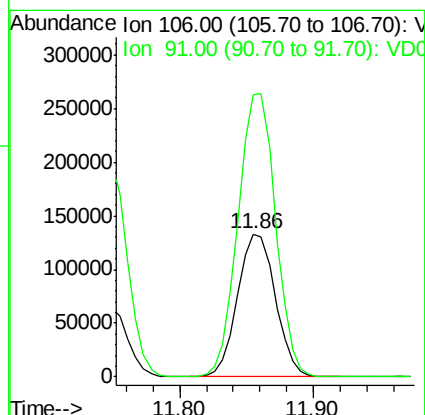
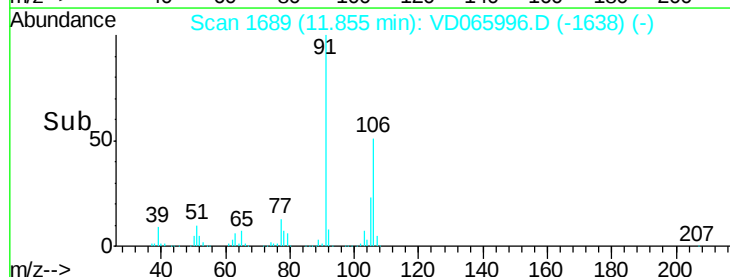
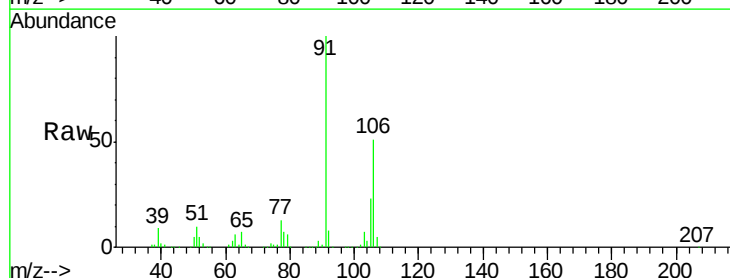
Acq: 22 Jul 2020 12:43

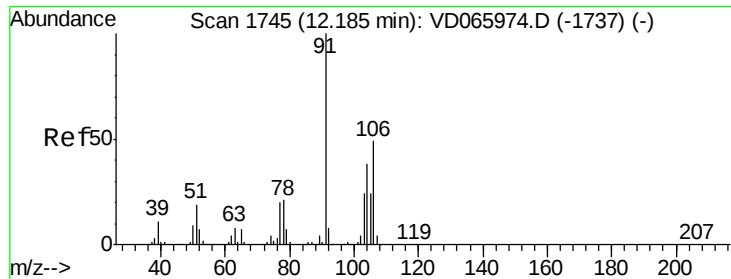
Tgt Ion: 106 Resp: 260991

Ion Ratio Lower Upper

106 100

91 196.9 157.0 235.6

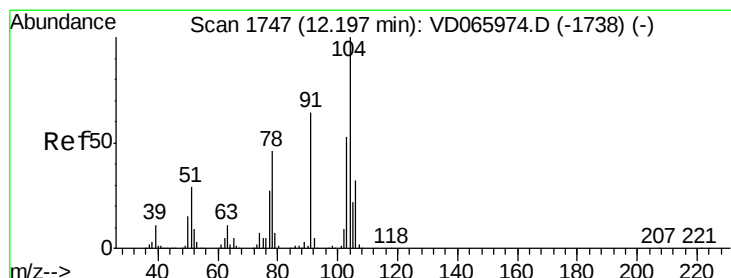
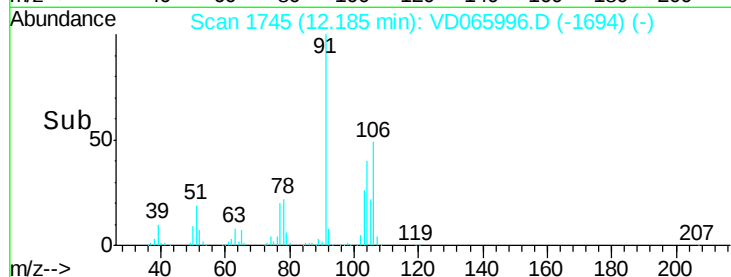
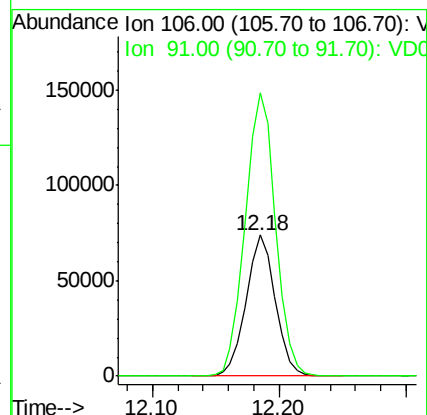
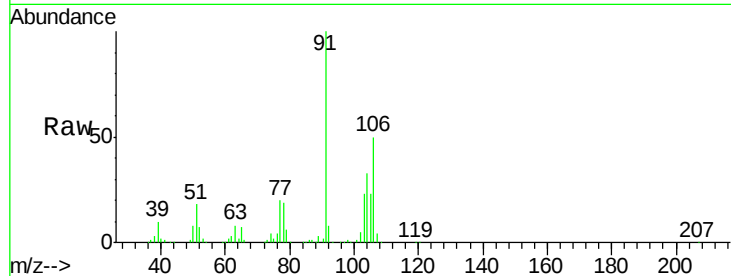




#69
o-Xylene
Concen: 22.888 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

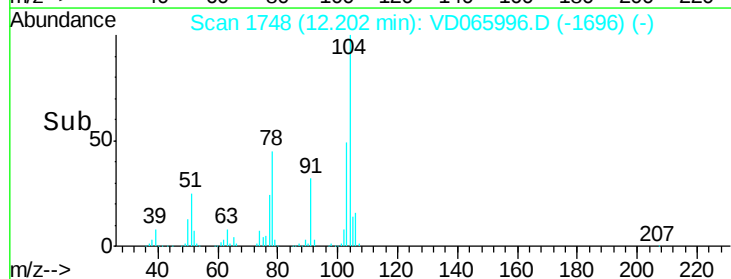
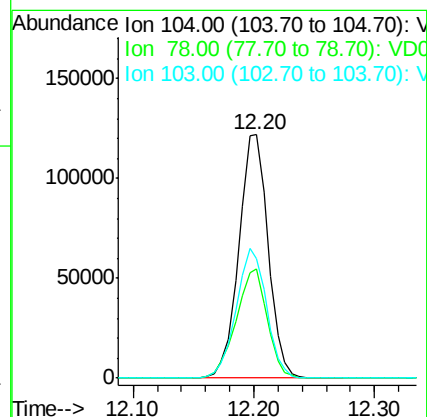
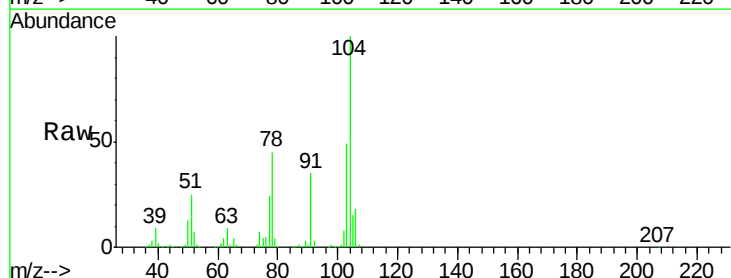
Instrument :
MSVOA_D
ClientSampleId :
VD0722SBS01

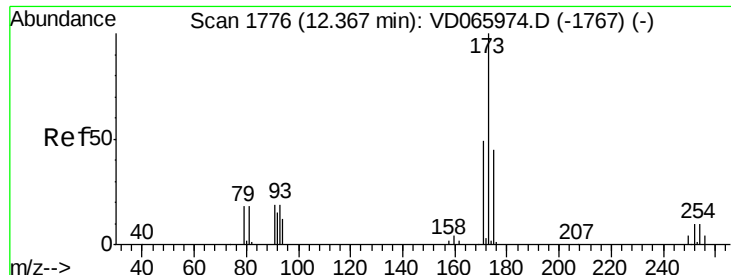
Tgt Ion:106 Resp: 118115
Ion Ratio Lower Upper
106 100
91 208.3 103.1 309.3



#70
Styrene
Concen: 23.293 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion:104 Resp: 206535
Ion Ratio Lower Upper
104 100
78 47.4 38.3 57.5
103 55.2 43.8 65.8

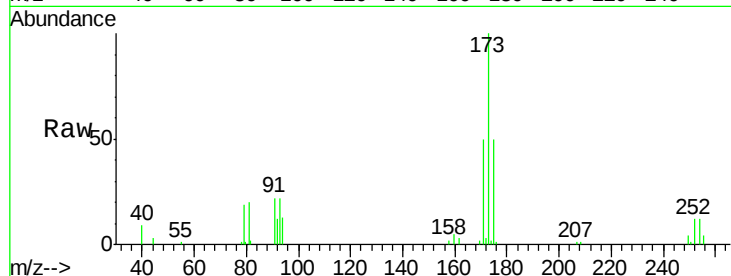




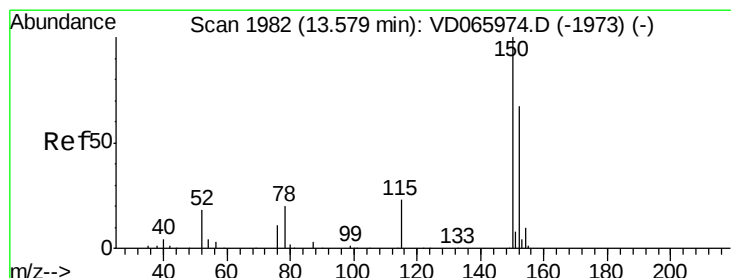
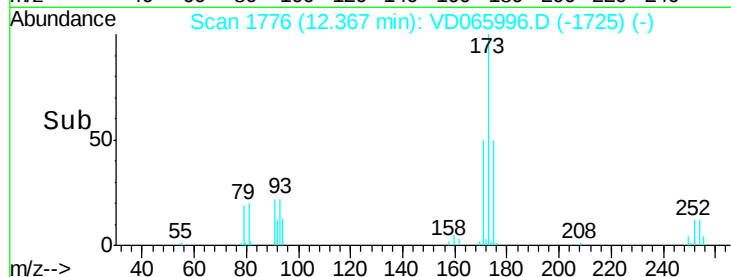
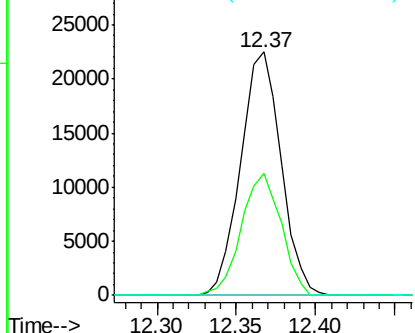
#71
Bromoform
Concen: 21.509 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBSD01

Tgt Ion:173 Resp: 39906
Ion Ratio Lower Upper
173 100
175 49.2 24.1 72.3
254 0.0 0.0 0.0

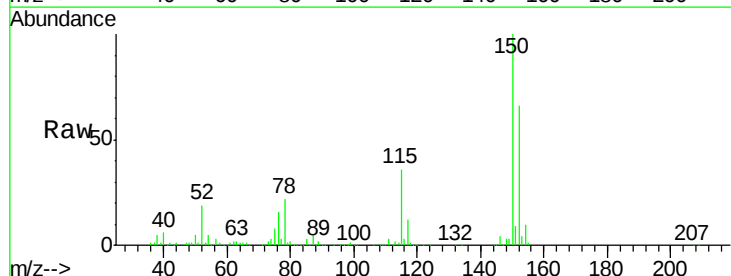


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

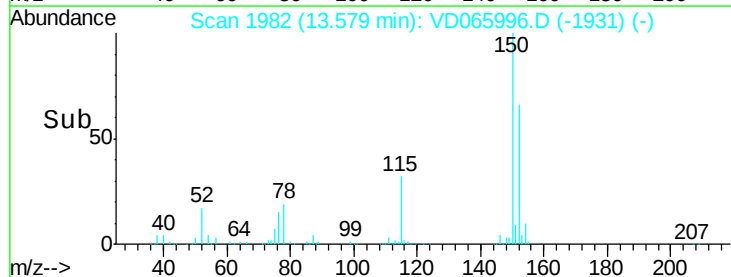
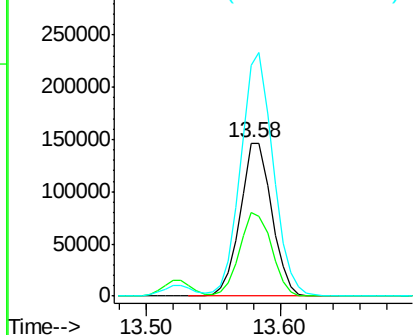


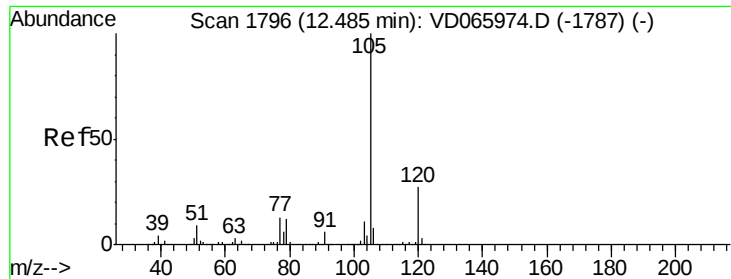
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion:152 Resp: 239475
Ion Ratio Lower Upper
152 100
115 55.1 27.9 83.7
150 163.4 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: 22.558 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

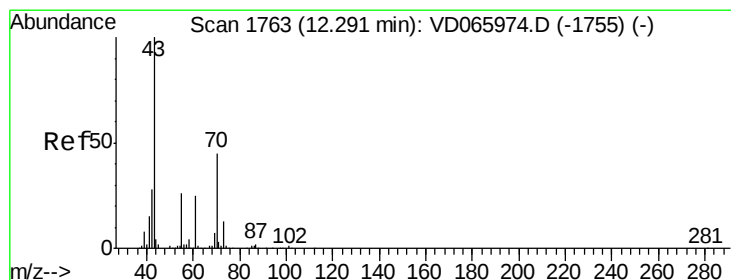
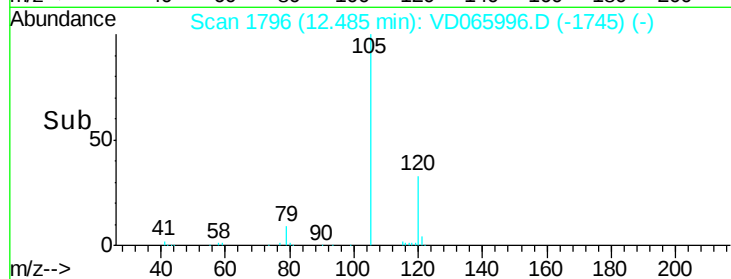
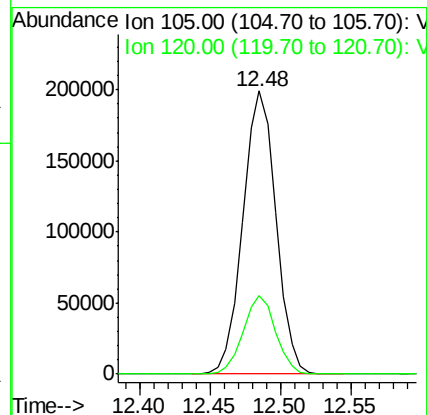
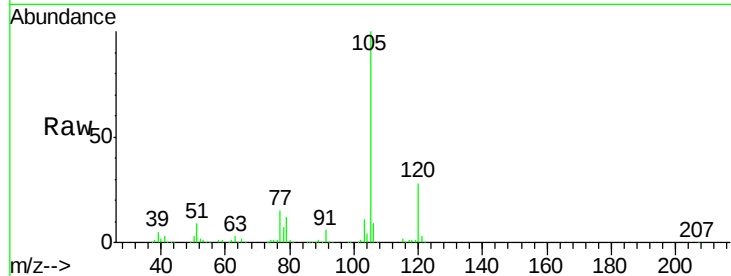
VD0722SBSD01

Tgt Ion: 105 Resp: 326881

Ion Ratio Lower Upper

105 100

120 27.4 13.6 40.8



#74

N-ethyl acetate

Concen: 20.702 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Tgt Ion: 43 Resp: 62198

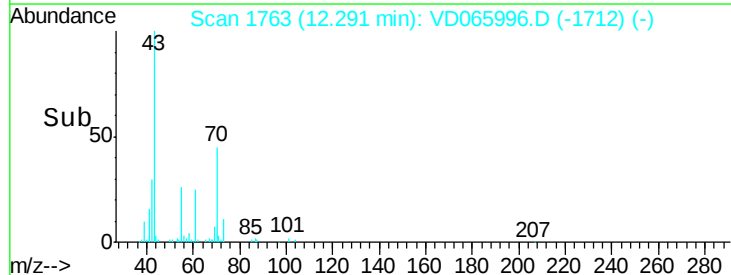
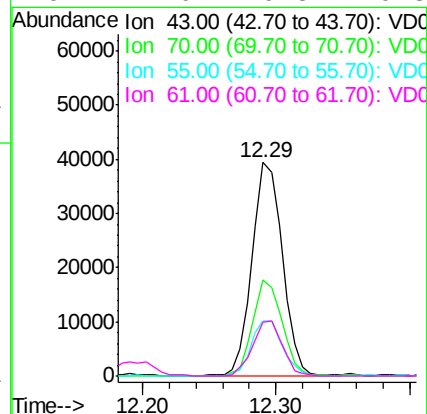
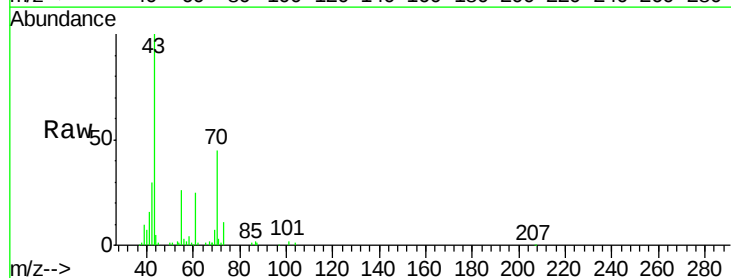
Ion Ratio Lower Upper

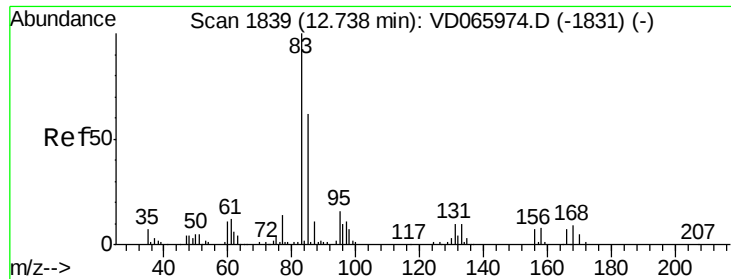
43 100

70 43.2 34.6 51.8

55 26.4 20.3 30.5

61 24.9 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 21.913 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

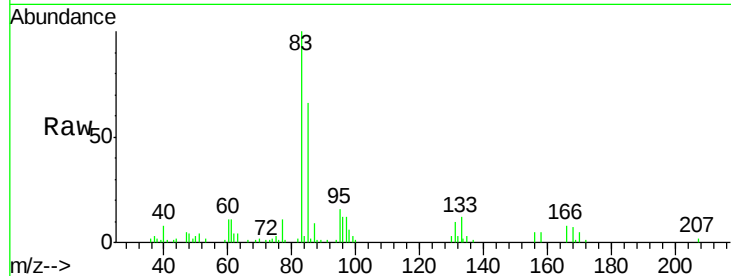
Tgt Ion: 83 Resp: 52476

Ion Ratio Lower Upper

83 100

131 12.1 5.7 17.1

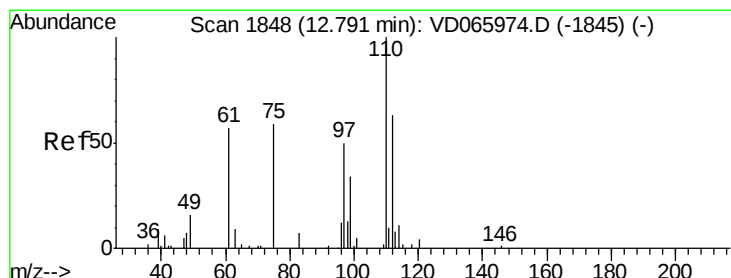
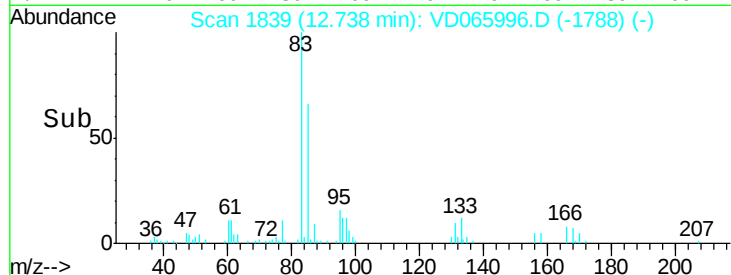
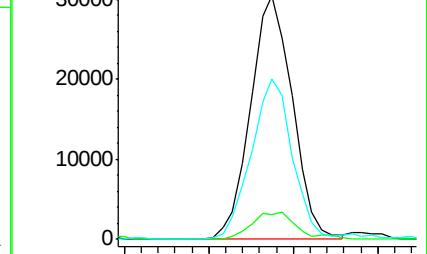
85 64.5 31.9 95.5



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: 38.481 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD065996.D

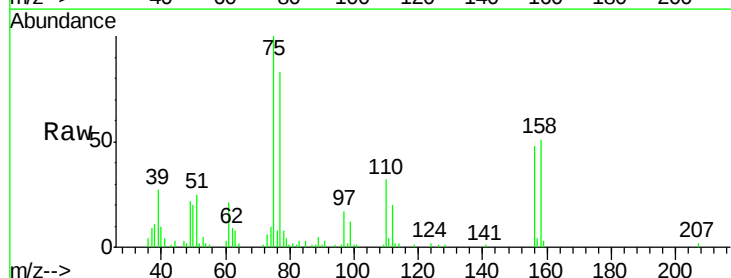
Acq: 22 Jul 2020 12:43

Tgt Ion: 75 Resp: 69386

Ion Ratio Lower Upper

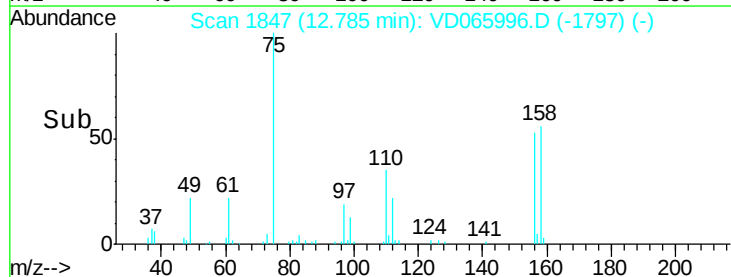
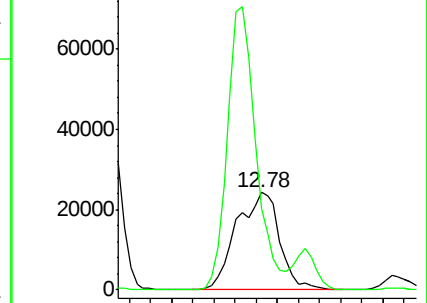
75 100

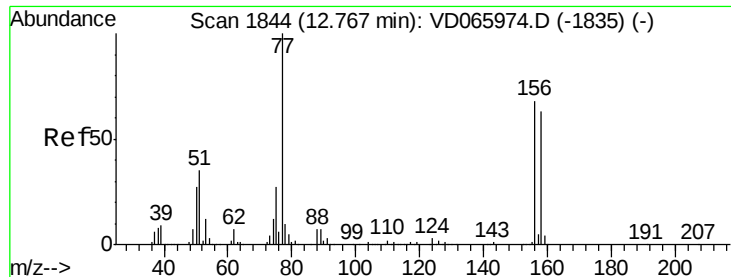
77 191.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.953 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBSD01

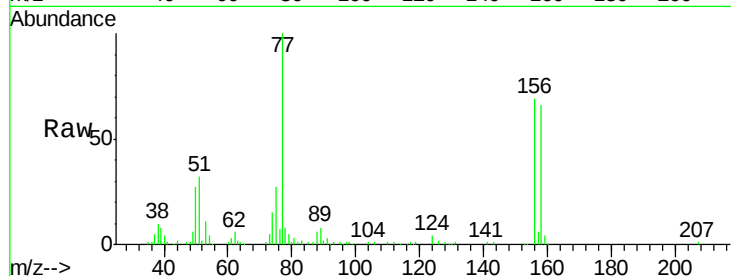
Tgt Ion:156 Resp: 81299

Ion Ratio Lower Upper

156 100

77 163.4 83.0 249.0

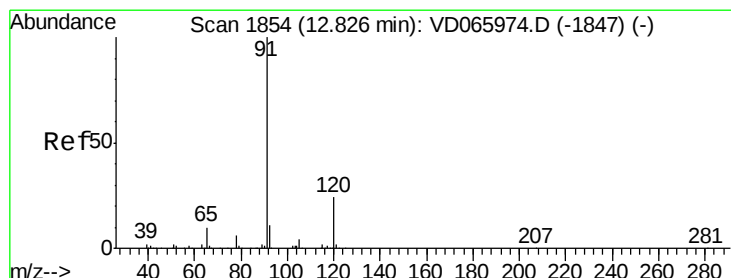
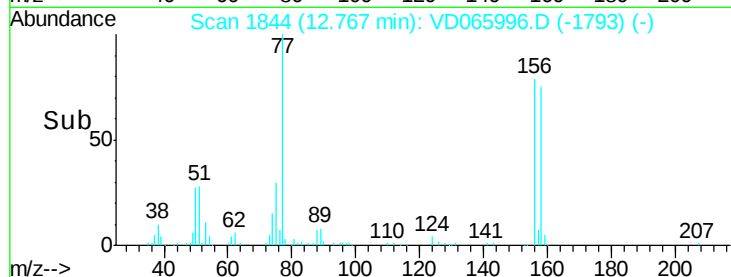
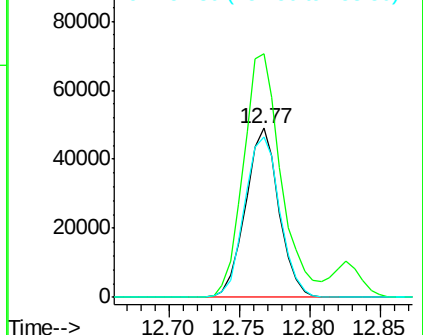
158 100.7 48.2 144.6



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: 22.409 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065996.D

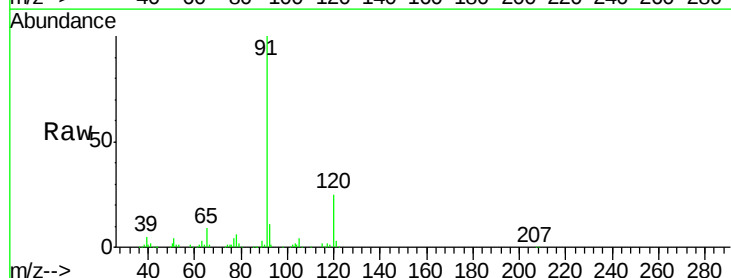
Acq: 22 Jul 2020 12:43

Tgt Ion: 91 Resp: 376804

Ion Ratio Lower Upper

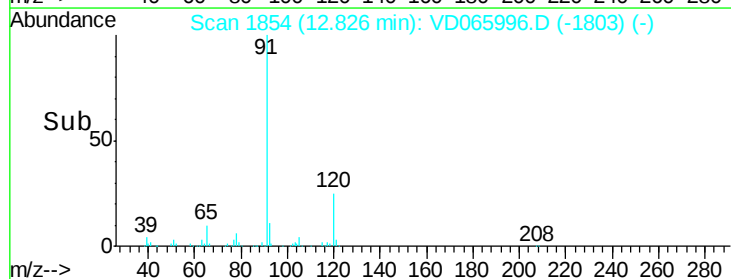
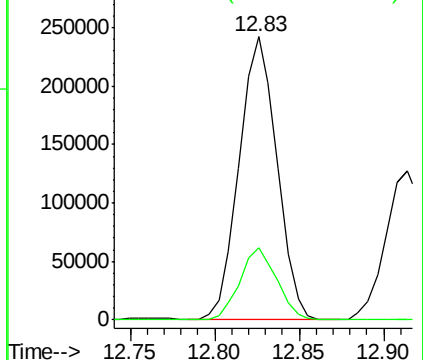
91 100

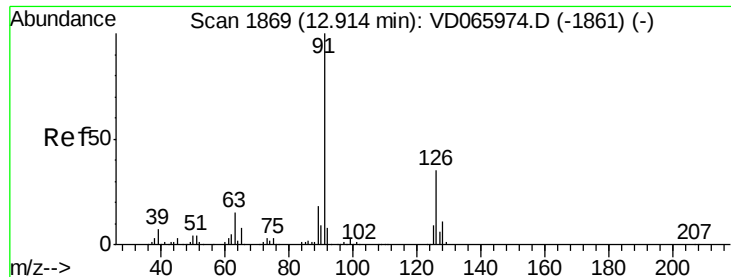
120 25.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.233 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

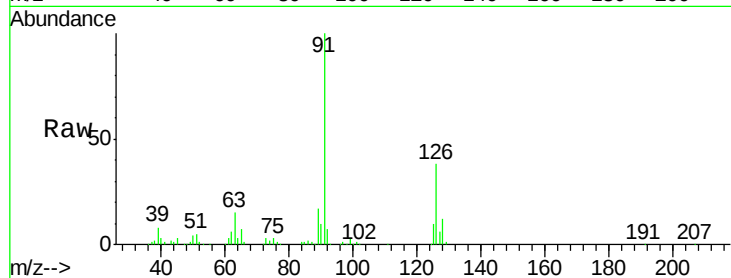
VD0722SBS01

Tgt Ion: 91 Resp: 213580

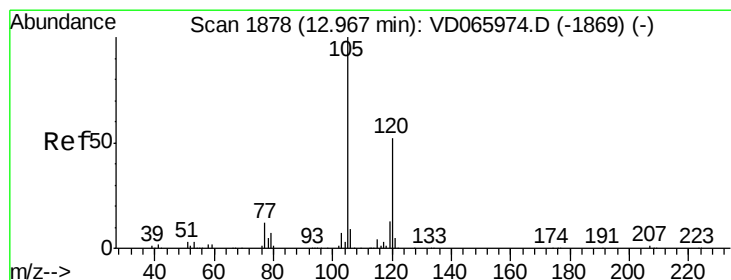
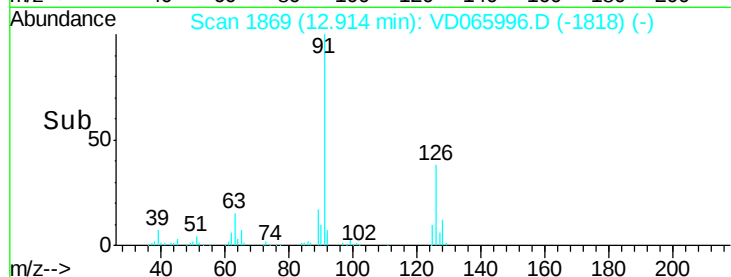
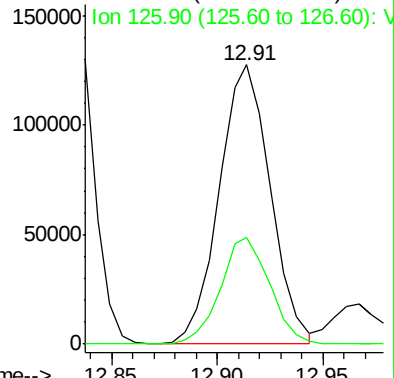
Ion Ratio Lower Upper

91 100

126 36.8 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 22.265 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065996.D

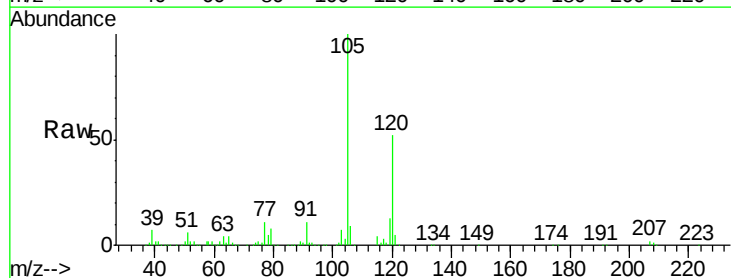
Acq: 22 Jul 2020 12:43

Tgt Ion: 105 Resp: 265069

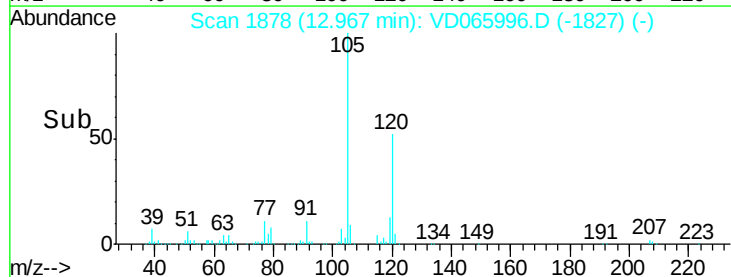
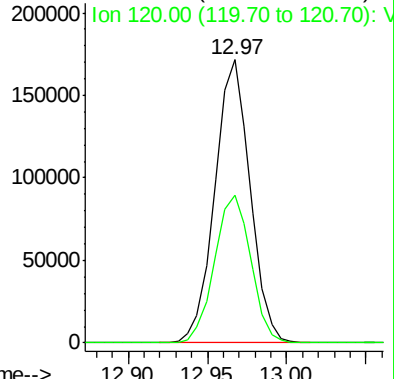
Ion Ratio Lower Upper

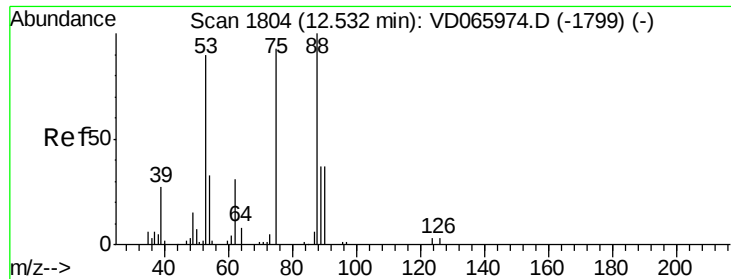
105 100

120 53.5 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): V

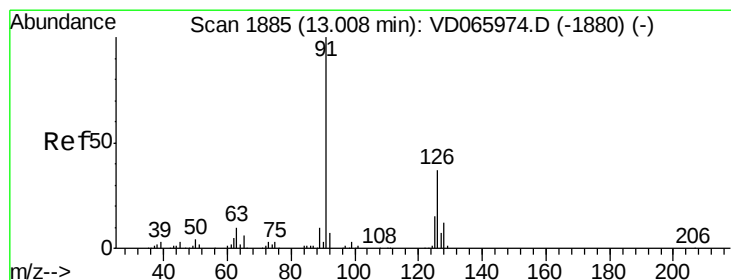
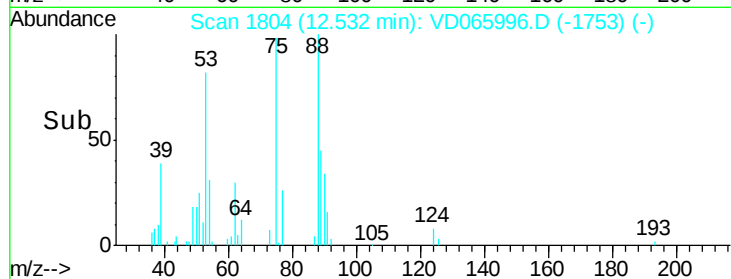
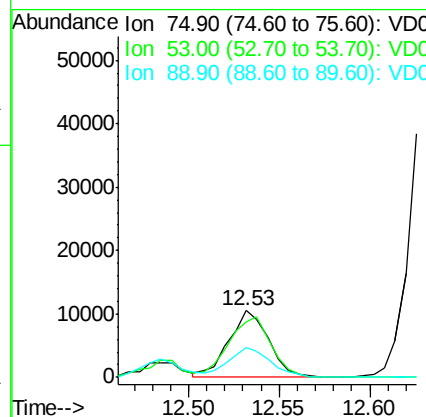
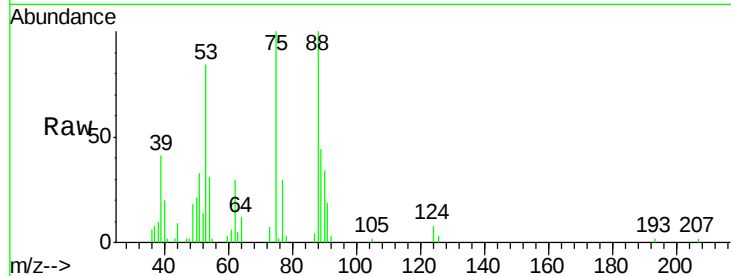




#81
trans-1,4-Dichloro-2-butene
Concen: 20.558 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

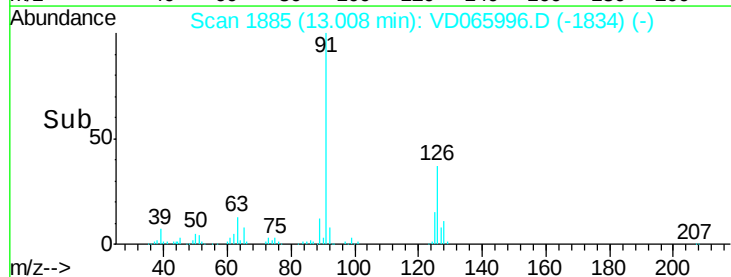
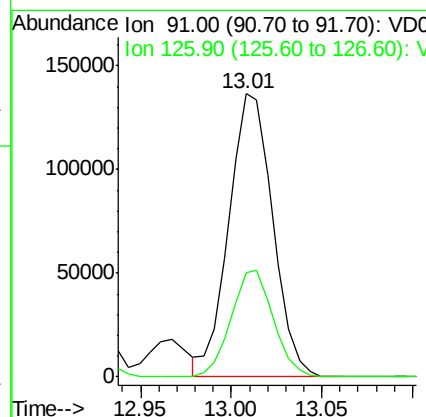
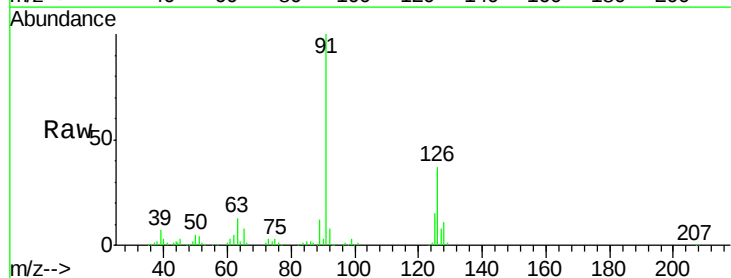
Instrument :
MSVOA_D
ClientSampleId :
VD0722SBSD01

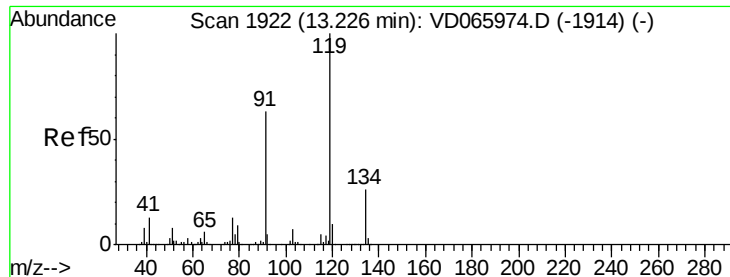
Tgt Ion: 75 Resp: 16154
Ion Ratio Lower Upper
75 100
53 95.5 76.8 115.2
89 45.9 37.0 55.4



#82
4-Chlorotoluene
Concen: 22.631 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD065996.D
Acq: 22 Jul 2020 12:43

Tgt Ion: 91 Resp: 229471
Ion Ratio Lower Upper
91 100
126 36.4 17.8 53.5

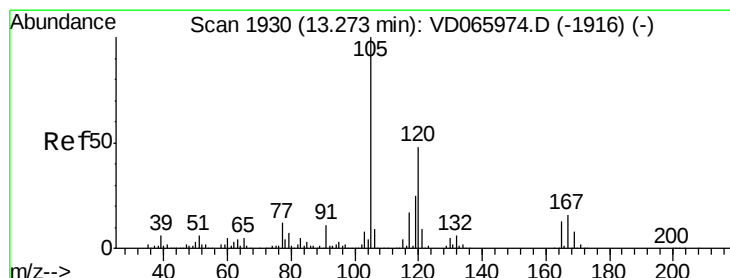
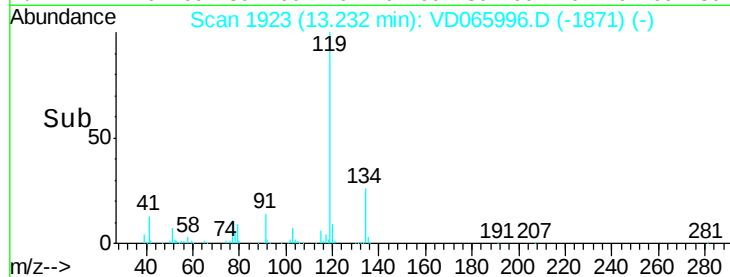
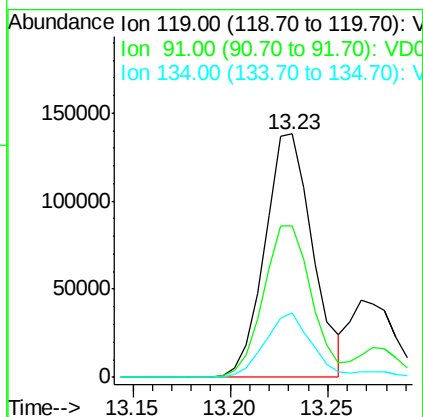
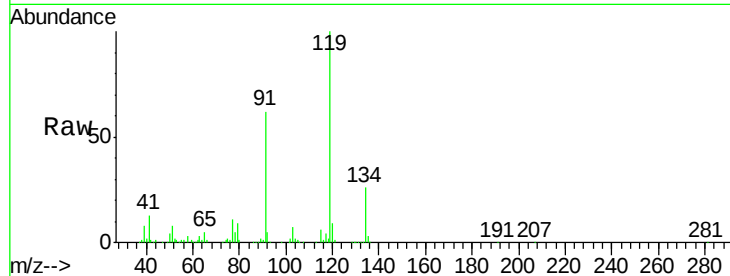




#83
 tert-Butylbenzene
 Concen: 22.603 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

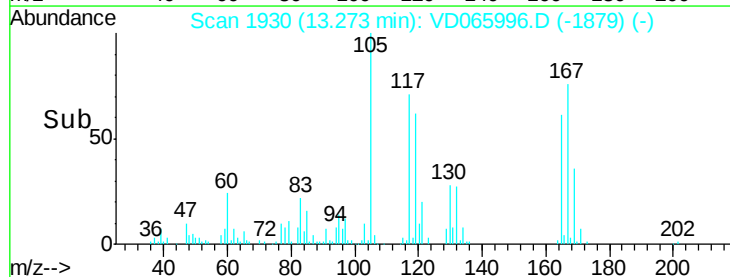
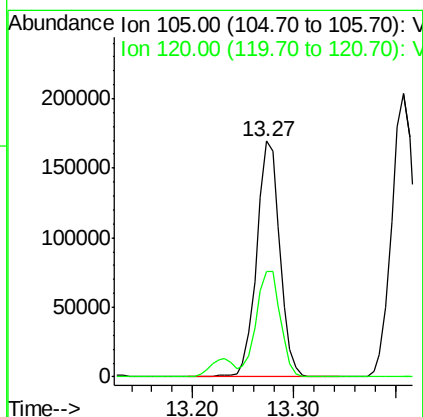
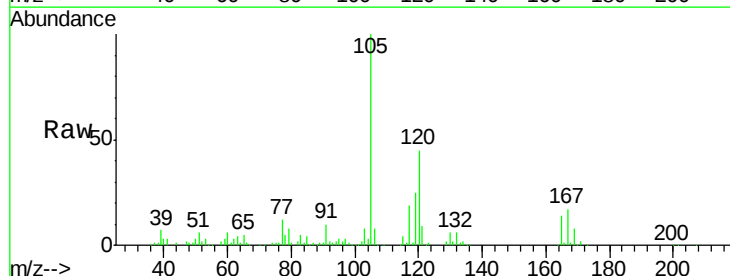
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBSD01

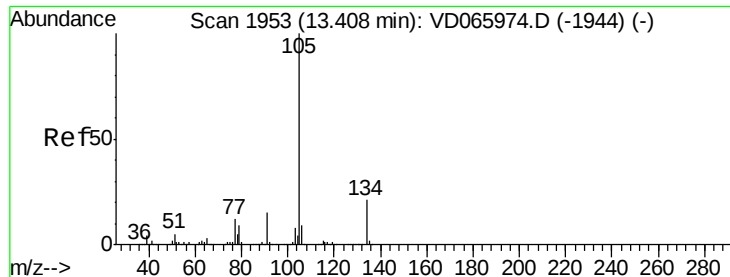
Tgt Ion:119 Resp: 235470
 Ion Ratio Lower Upper
 119 100
 91 63.6 30.6 91.6
 134 25.5 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 23.051 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Tgt Ion:105 Resp: 270746
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.9 71.8

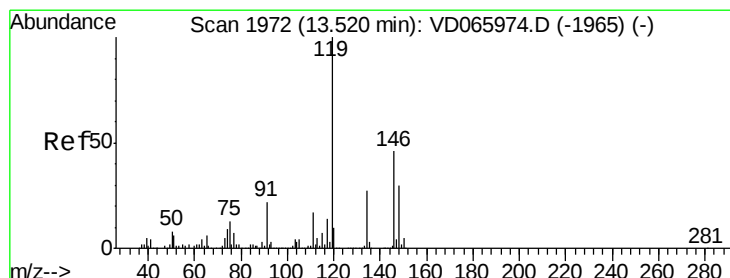
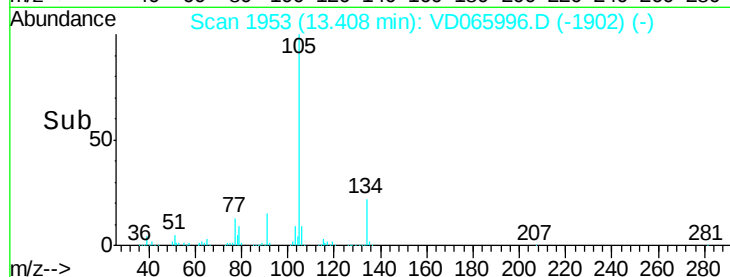
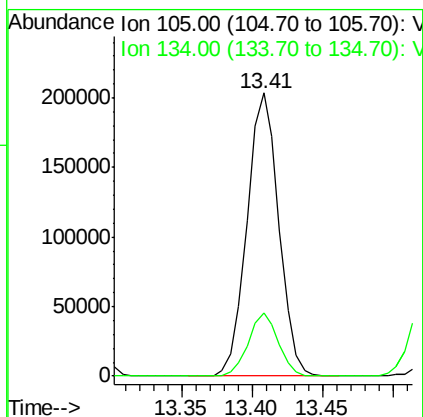
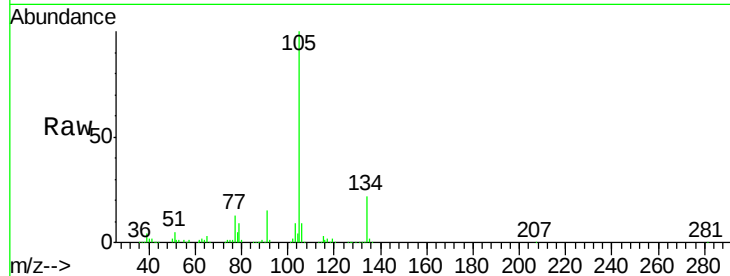




#85
 sec-Butylbenzene
 Concen: 22.420 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

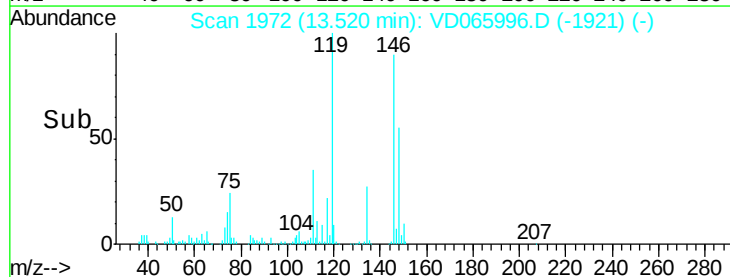
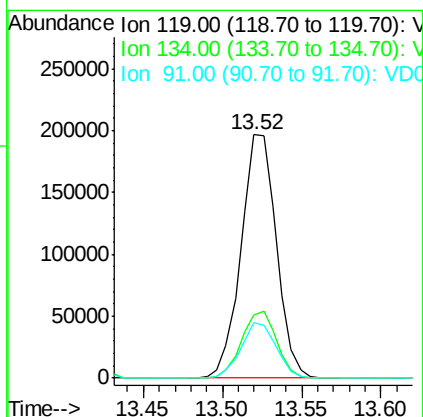
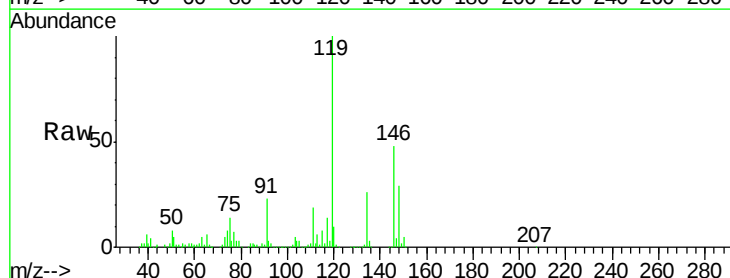
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBSD01

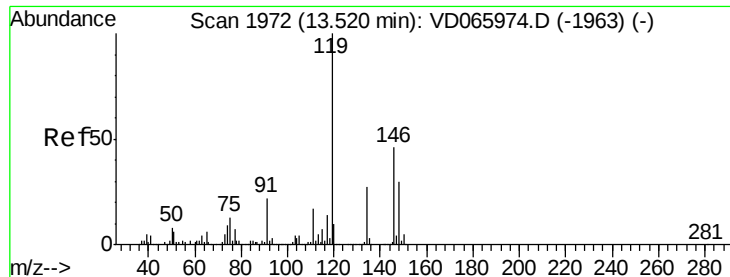
Tgt Ion:105 Resp: 321713
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 23.365 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Tgt Ion:119 Resp: 304592
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.4 40.2
 91 22.9 11.1 33.3

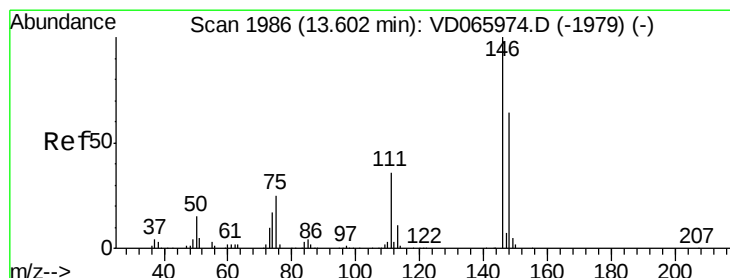
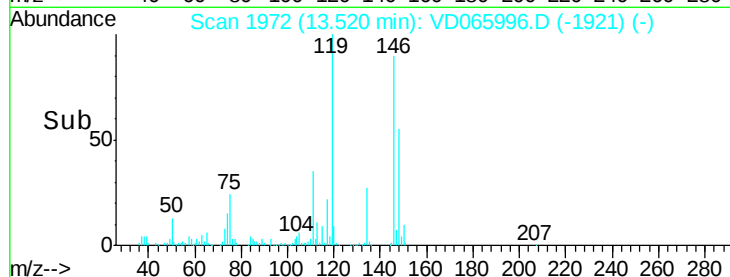
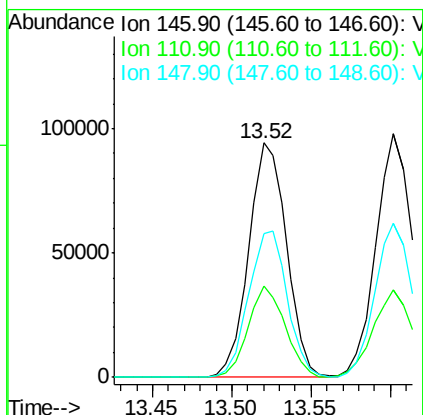
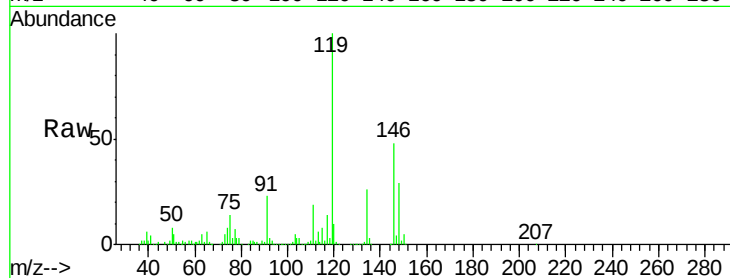




#87
 1,3-Dichlorobenzene
 Concen: 22.774 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

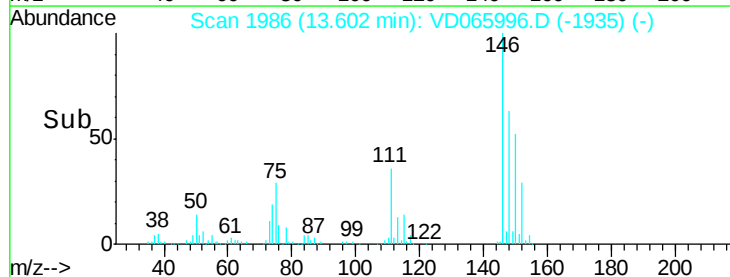
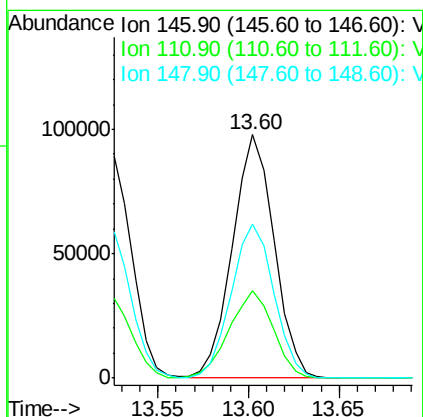
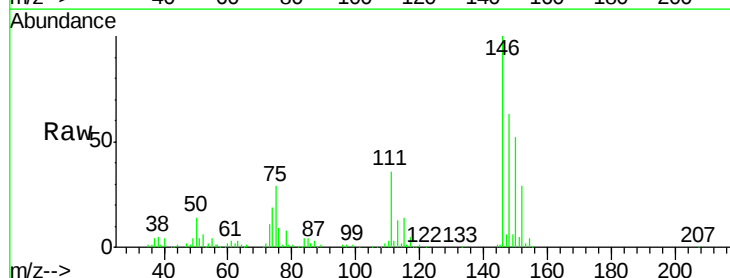
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

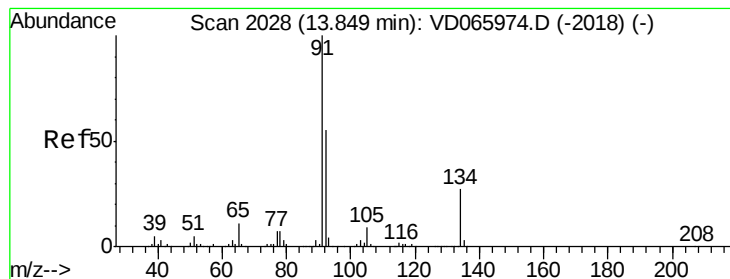
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.6	55.6
148	63.9	32.4	97.0



#88
 1,4-Dichlorobenzene
 Concen: 22.550 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.4
148	64.7	32.2	96.6





#89

n-Butylbenzene

Concen: 21.887 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBS01

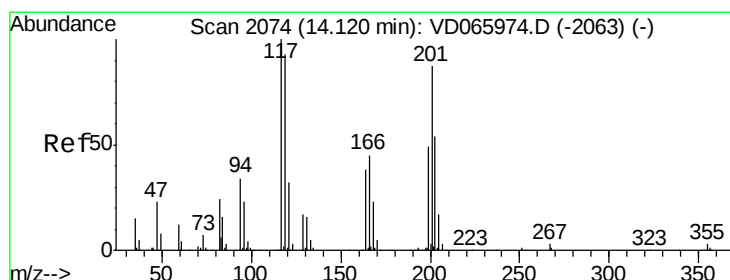
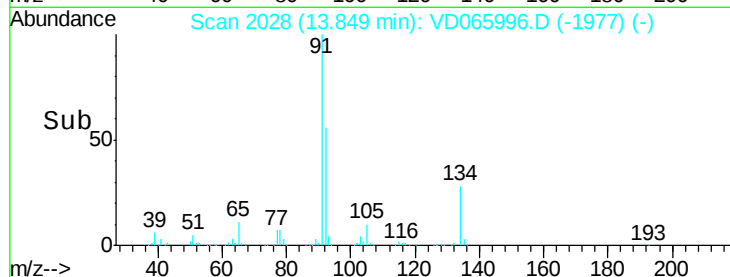
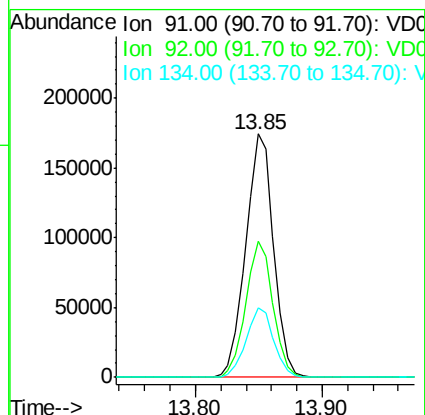
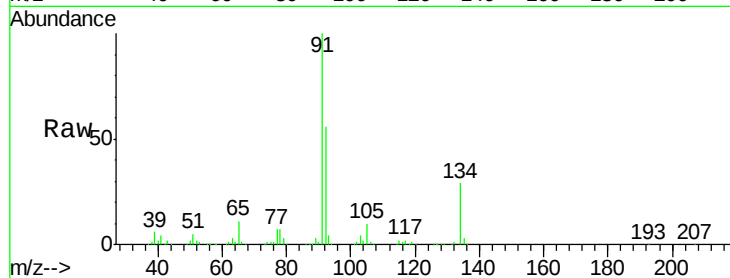
Tgt Ion: 91 Resp: 265307

Ion Ratio Lower Upper

91 100

92 54.5 27.2 81.6

134 28.1 13.8 41.4



#90

Hexachloroethane

Concen: 21.515 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD065996.D

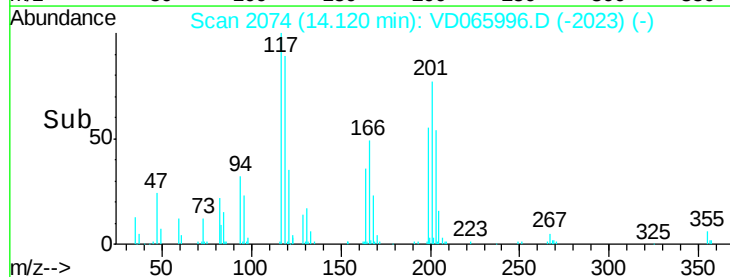
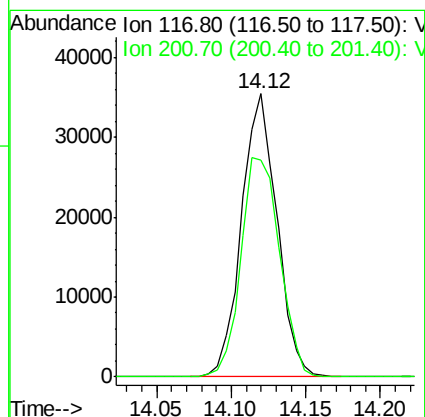
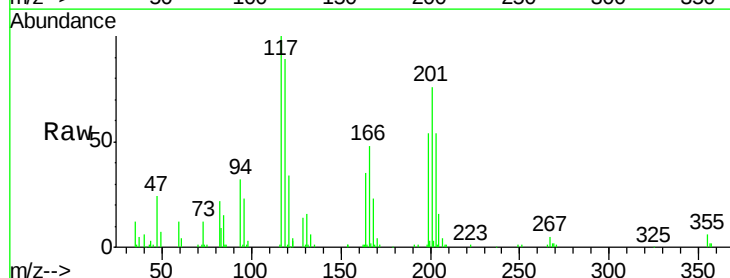
Acq: 22 Jul 2020 12:43

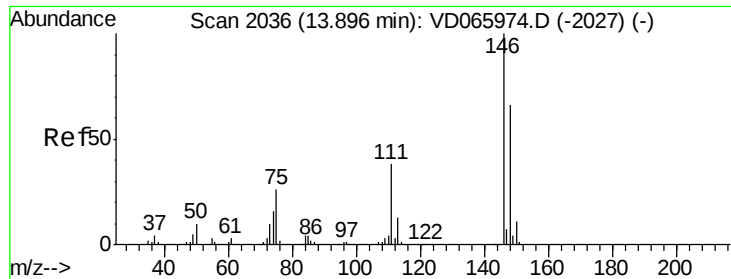
Tgt Ion: 117 Resp: 58062

Ion Ratio Lower Upper

117 100

201 84.8 42.0 126.1

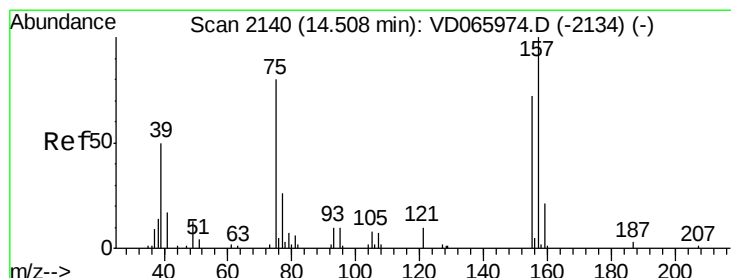
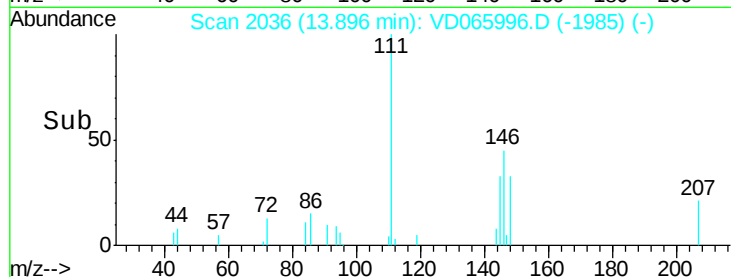
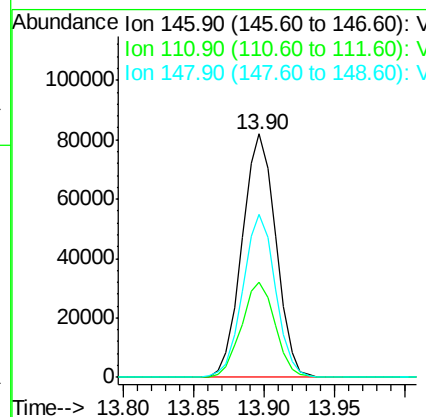
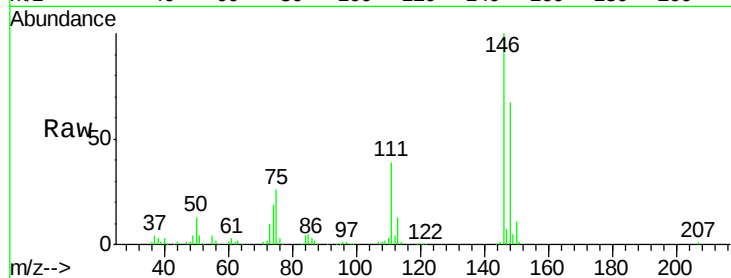




#91
 1,2-Dichlorobenzene
 Concen: 23.050 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

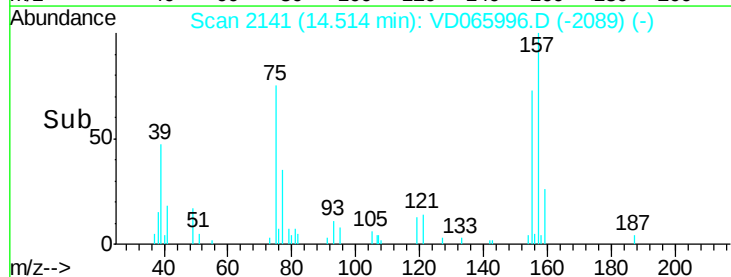
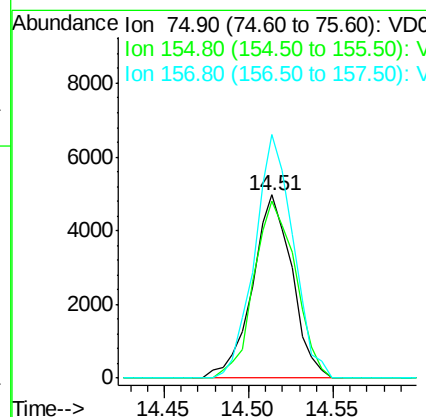
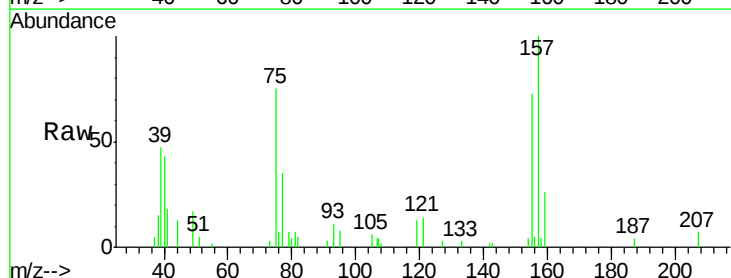
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBSD01

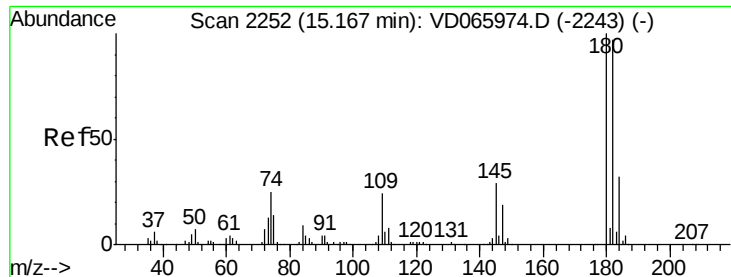
Tgt Ion:146 Resp: 137330
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.3 57.9
 148 64.4 32.7 98.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.704 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Tgt Ion: 75 Resp: 8126
 Ion Ratio Lower Upper
 75 100
 155 101.3 48.5 145.5
 157 129.2 64.7 194.1

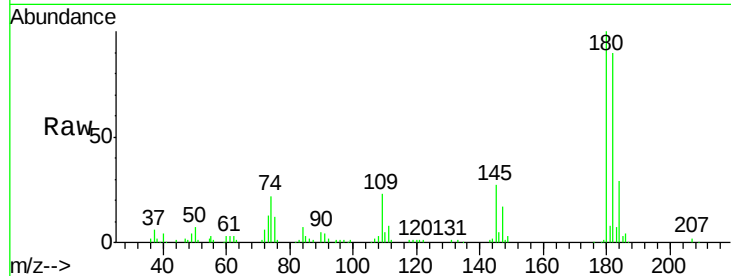




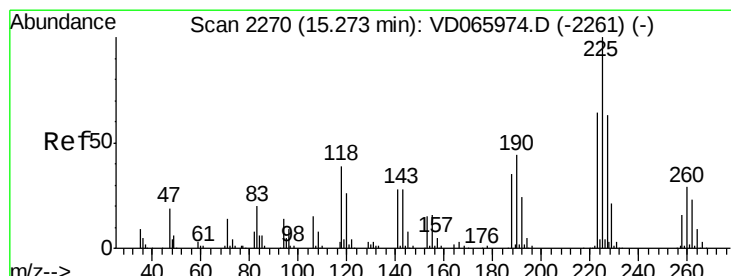
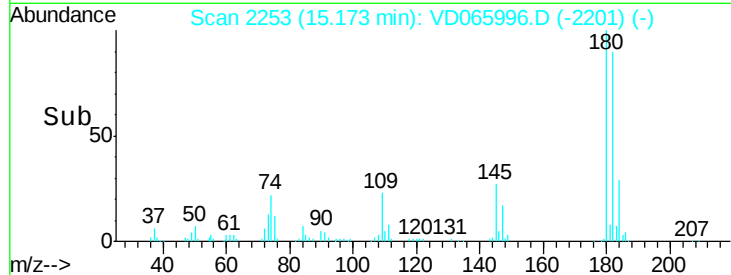
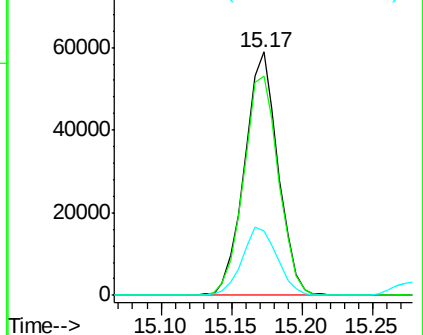
#93
 1,2,4-Trichlorobenzene
 Concen: 22.828 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Tgt Ion:180 Resp: 97627
 Ion Ratio Lower Upper
 180 100
 182 94.4 48.1 144.3
 145 29.4 14.7 44.1

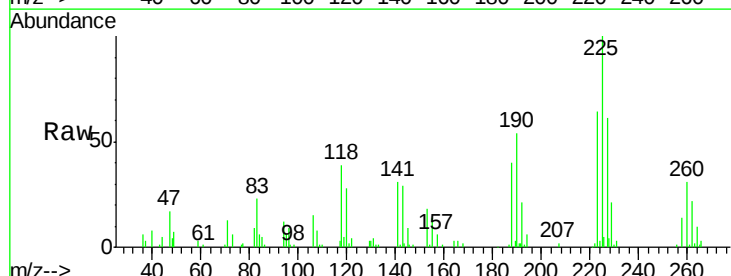


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

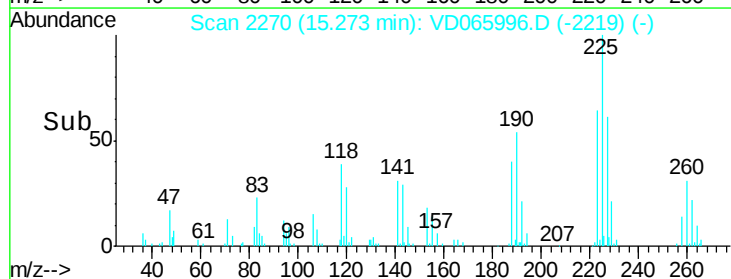
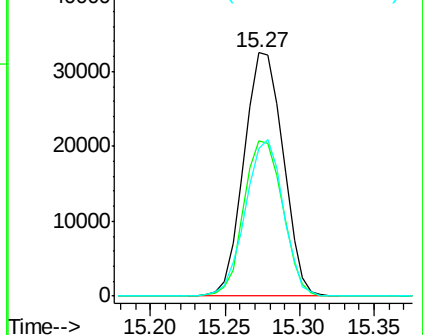


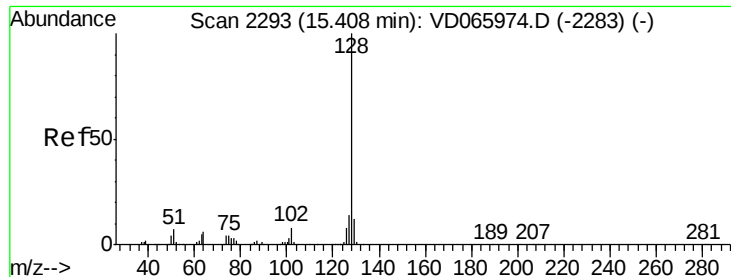
#94
 Hexachlorobutadiene
 Concen: 22.417 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD065996.D
 Acq: 22 Jul 2020 12:43

Tgt Ion:225 Resp: 59270
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.2 93.6
 227 62.0 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: 21.708 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBSD01

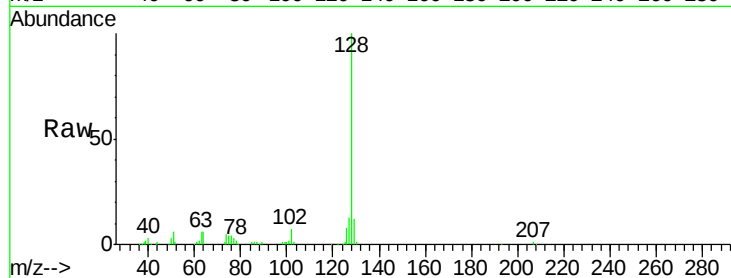
Tgt Ion:128 Resp: 148661

Ion Ratio Lower Upper

128 100

127 13.8 10.8 16.2

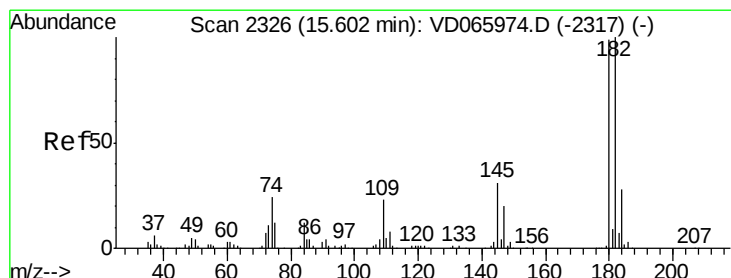
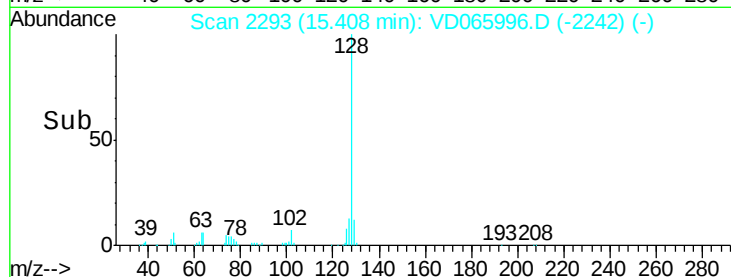
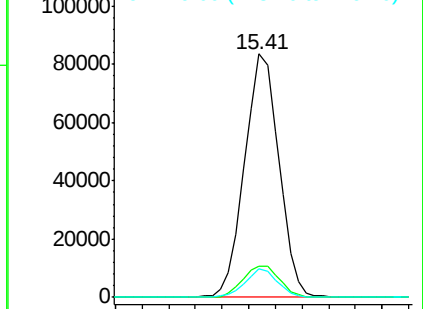
129 11.0 8.9 13.3



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: 21.823 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD065996.D

Acq: 22 Jul 2020 12:43

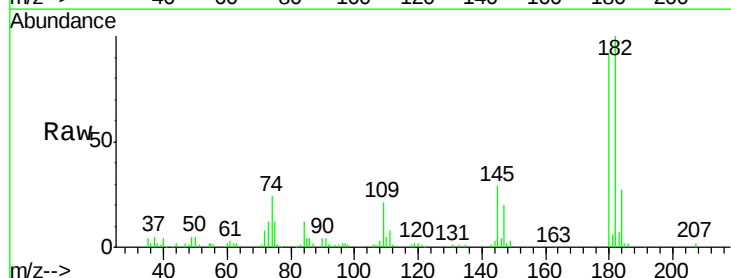
Tgt Ion:180 Resp: 81135

Ion Ratio Lower Upper

180 100

182 97.4 47.9 143.6

145 31.6 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

