

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060520\
 Data File : VD065771.D
 Acq On : 05 Jun 2020 12:18
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Jun 05 12:46:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 12:42:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	238131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	369464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	349180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	178418	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	241880	101.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.94%	
35) Dibromofluoromethane	7.91	113	240725	102.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.58%	
50) Toluene-d8	10.34	98	935862	109.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	219.64%	
62) 4-Bromofluorobenzene	12.64	95	321294	111.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	222.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	150715	77.64	ug/l	98
3) Chloromethane	2.21	50	259113	78.57	ug/l	100
4) Vinyl Chloride	2.35	62	309575	82.22	ug/l	100
5) Bromomethane	2.76	94	216713	82.25	ug/l	93
6) Chloroethane	2.91	64	211563	83.35	ug/l	97
7) Trichlorofluoromethane	3.27	101	349085	82.48	ug/l	99
8) Diethyl Ether	3.71	74	101950	95.13	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	210020	83.55	ug/l	100
10) Methyl Iodide	4.30	142	249037	113.58	ug/l	100
11) Tert butyl alcohol	5.22	59	63501	328.77	ug/l	98
12) 1,1-Dichloroethene	4.07	96	198635	88.07	ug/l	95
13) Acrolein	3.93	56	59651	420.75	ug/l	94
14) Allyl chloride	4.71	41	348202	95.16	ug/l	99
15) Acrylonitrile	5.42	53	234573	483.29	ug/l	99
16) Acetone	4.16	43	220820	489.06	ug/l	99
17) Carbon Disulfide	4.41	76	661394	86.95	ug/l	99
18) Methyl Acetate	4.71	43	98237	79.07	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	488586	98.42	ug/l	98
20) Methylene Chloride	4.96	84	230020	77.79	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	239170	91.68	ug/l	98
22) Diisopropyl ether	6.36	45	712696	96.91	ug/l	95
23) Vinyl Acetate	6.30	43	2146416	532.85	ug/l	98
24) 1,1-Dichloroethane	6.27	63	417778	91.73	ug/l	99
25) 2-Butanone	7.21	43	309162	497.41	ug/l	96
26) 2,2-Dichloropropane	7.21	77	369582	91.33	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	265958	95.72	ug/l	100
28) Bromochloromethane	7.55	49	173509	101.01	ug/l	96
29) Tetrahydrofuran	7.56	42	195531	499.79	ug/l	98
30) Chloroform	7.71	83	437499	92.93	ug/l	100
31) Cyclohexane	7.98	56	373913	83.44	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	397246	91.55	ug/l	98
36) 1,1-Dichloropropene	8.11	75	335483	92.36	ug/l	99
37) Ethyl Acetate	7.29	43	138927	98.35	ug/l	99
38) Carbon Tetrachloride	8.10	117	352041	92.40	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	407321	96.58	ug/l	99
40) Benzene	8.36	78	945192	96.29	ug/l	98
41) Methacrylonitrile	7.53	41	68081	77.29	ug/l #	69
42) 1,2-Dichloroethane	8.43	62	280824	93.46	ug/l	100
43) Isopropyl Acetate	8.46	43	279897	100.98	ug/l	98
44) Trichloroethene	9.11	130	261293	95.85	ug/l	99
45) 1,2-Dichloropropane	9.39	63	234645	94.56	ug/l	98
46) Dibromomethane	9.48	93	128810	96.26	ug/l	98
47) Bromodichloromethane	9.67	83	341470	94.76	ug/l	98
48) Methyl methacrylate	9.46	41	127928	94.30	ug/l	91
49) 1,4-Dioxane	9.47	88	28772	2045.83	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	703411	520.58	ug/l	98
52) Toluene	10.41	92	629357	100.09	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	326883	102.95	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	385087	102.36	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	175483	98.73	ug/l	97
56) Ethyl methacrylate	10.66	69	219716	109.07	ug/l	96
57) 1,3-Dichloropropane	10.95	76	305601	99.26	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	515966	546.42	ug/l	100
59) 2-Hexanone	10.99	43	485220	538.79	ug/l	98
60) Dibromochloromethane	11.14	129	239722	100.25	ug/l	98
61) 1,2-Dibromoethane	11.25	107	176127	101.74	ug/l	99
64) Tetrachloroethene	10.88	164	220510	91.22	ug/l	96
65) Chlorobenzene	11.67	112	660002	95.53	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	250567	97.91	ug/l	100
67) Ethyl Benzene	11.75	91	1197095	98.00	ug/l	97
68) m/p-Xylenes	11.86	106	926444	197.01	ug/l	99
69) o-Xylene	12.18	106	430307	103.11	ug/l	99
70) Styrene	12.20	104	754424	104.64	ug/l	99
71) Bromoform	12.37	173	140872	100.75	ug/l #	98
73) Isopropylbenzene	12.48	105	1162041	96.69	ug/l	100
74) N-amyl acetate	12.30	43	265339	99.53	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	189863	90.89	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	254310	181.96	ug/l #	100
77) Bromobenzene	12.77	156	277632	97.43	ug/l	99
78) n-propylbenzene	12.83	91	1391464	95.41	ug/l	99
79) 2-Chlorotoluene	12.91	91	765904	95.67	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	976665	97.73	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	66206	104.53	ug/l	94
82) 4-Chlorotoluene	13.01	91	814473	94.18	ug/l	100
83) tert-Butylbenzene	13.23	119	847773	98.05	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	980693	98.03	ug/l	98
85) sec-Butylbenzene	13.41	105	1170490	96.57	ug/l	100
86) p-Isopropyltoluene	13.52	119	1088938	98.95	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	535154	94.09	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	527143	92.90	ug/l	99
89) n-Butylbenzene	13.85	91	1028541	97.21	ug/l	99
90) Hexachloroethane	14.12	117	212277	94.93	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	465176	95.37	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	32926	95.28	ug/l	95

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Quant Title : SW846 8260
QLast Update : Fri Jun 05 12:42:03 2020
Response via : Initial Calibration

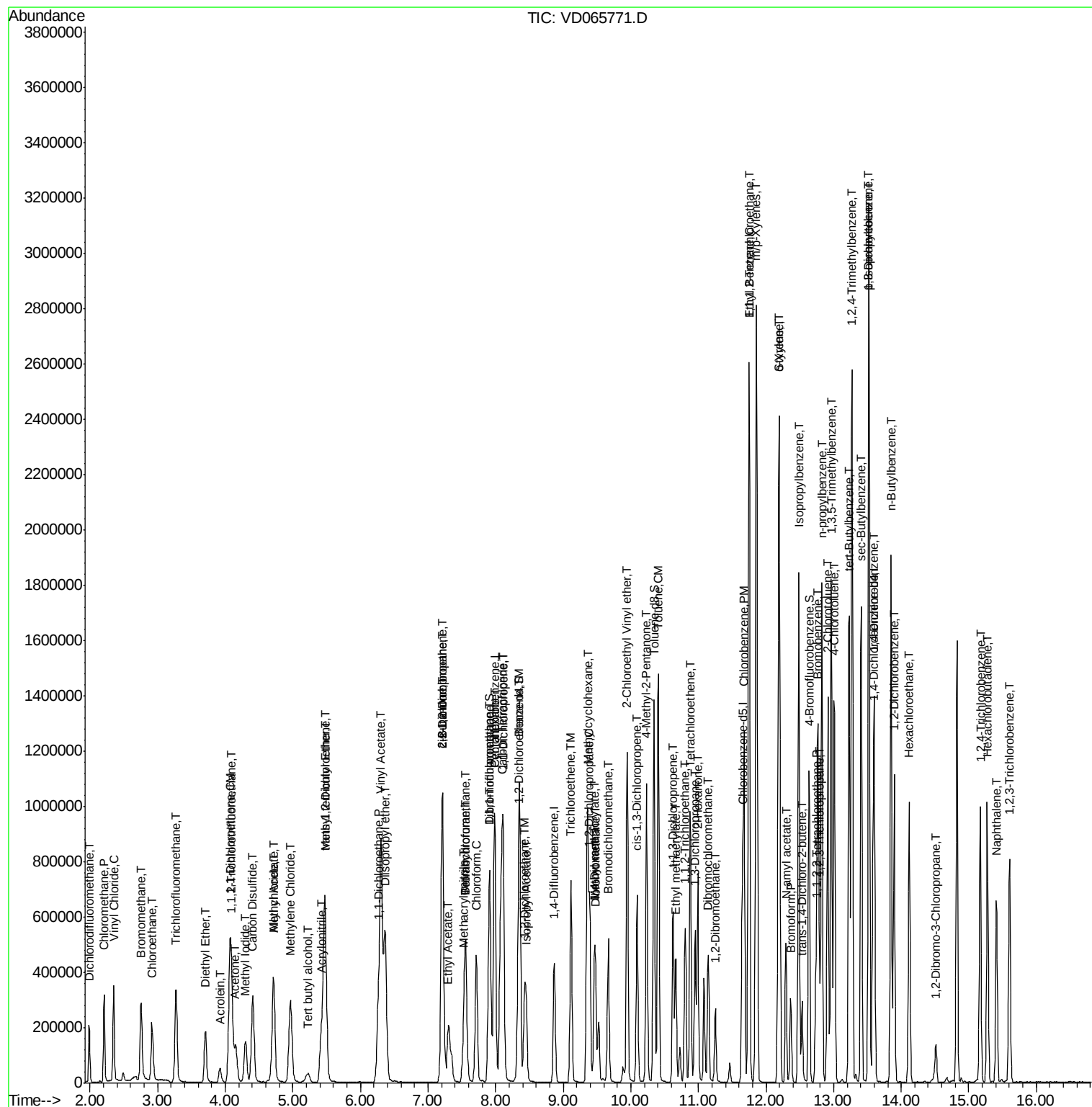
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	332324	102.84	ug/l	99
94) Hexachlorobutadiene	15.28	225	189986	95.47	ug/l	100
95) Naphthalene	15.41	128	581085	107.75	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	285911	102.92	ug/l	99

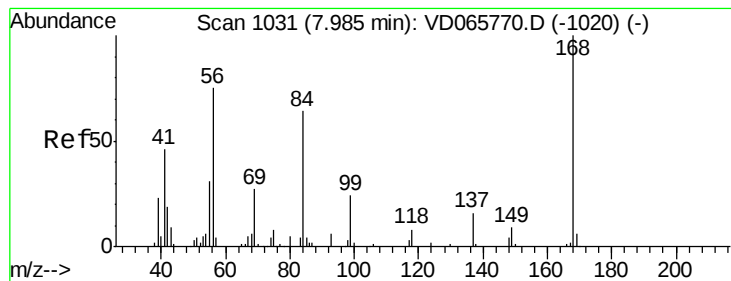
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD060520\
Data File : VD065771.D
Acq On : 05 Jun 2020 12:18
Operator : VA/SY
Sample : VSTDIC100
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Quant Time: Jun 05 12:46:39 2020
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Quant Title : SW846 8260
QLast Update : Fri Jun 05 12:42:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

Instrument :

MSVOA_D

ClientSampleId :

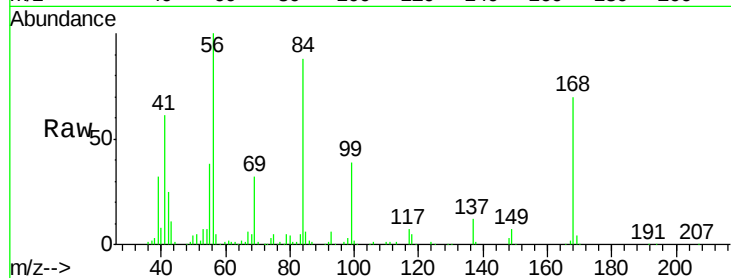
VSTDIC100

Tgt Ion: 168 Resp: 238131

Ion Ratio Lower Upper

168 100

99 55.5 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

60000

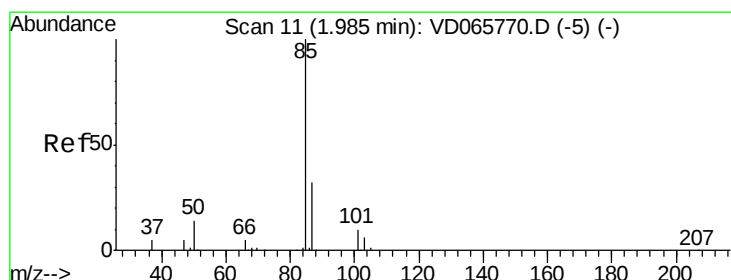
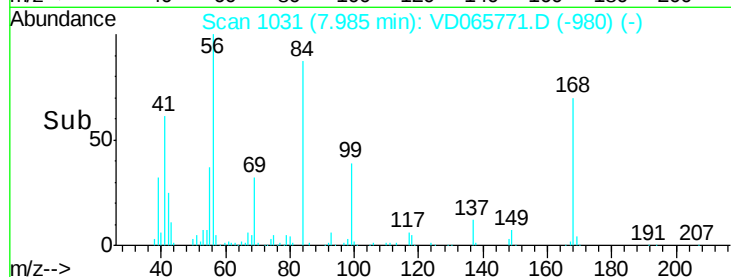
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 77.64 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065771.D

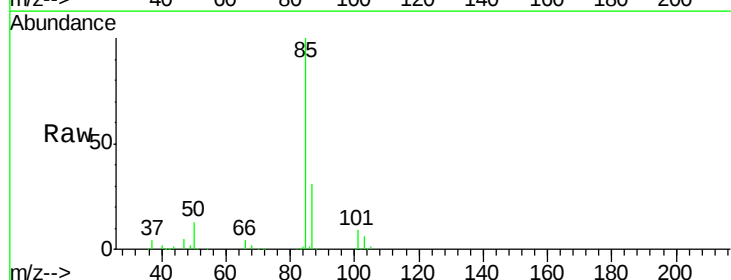
Acq: 05 Jun 2020 12:18

Tgt Ion: 85 Resp: 150715

Ion Ratio Lower Upper

85 100

87 31.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

120000

100000

80000

60000

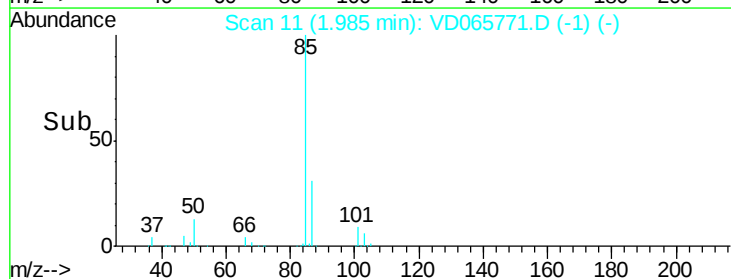
40000

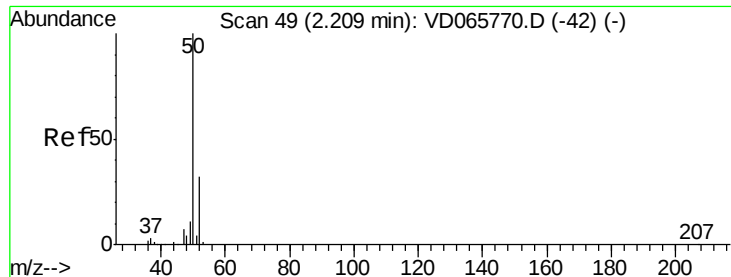
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 78.57 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

Instrument :

MSVOA_D

ClientSampleId :

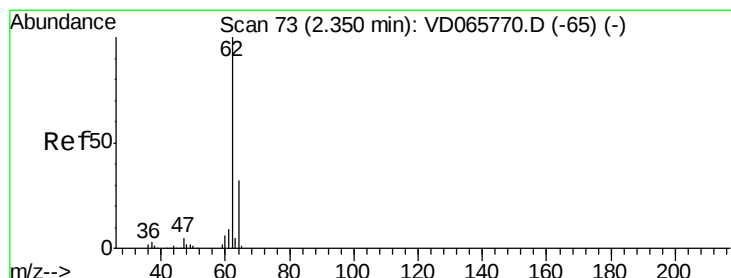
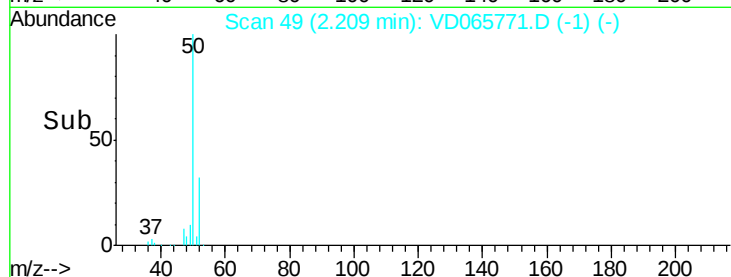
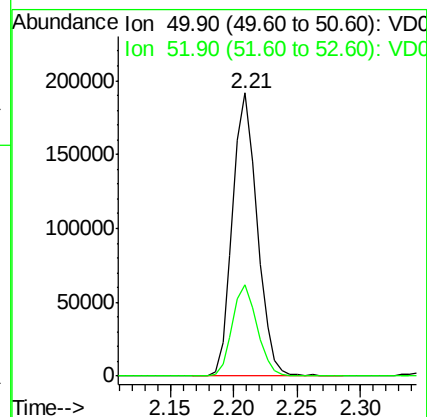
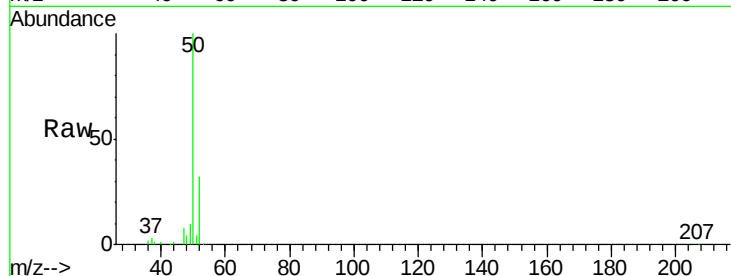
VSTDIC100

Tgt Ion: 50 Resp: 259113

Ion Ratio Lower Upper

50 100

52 32.2 25.6 38.4



#4

Vinyl Chloride

Concen: 82.22 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065771.D

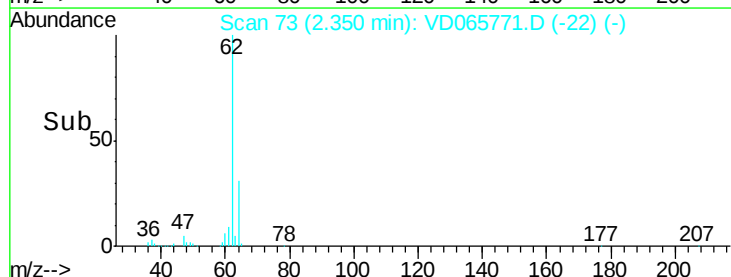
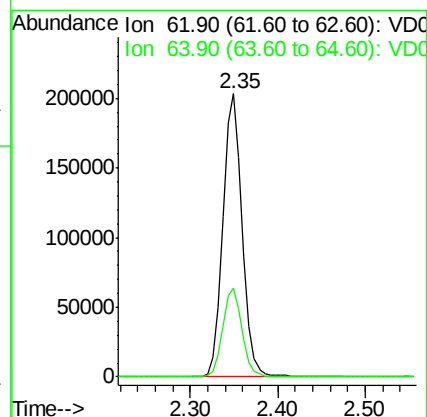
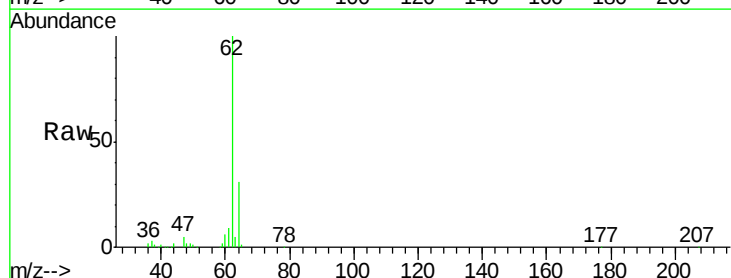
Acq: 05 Jun 2020 12:18

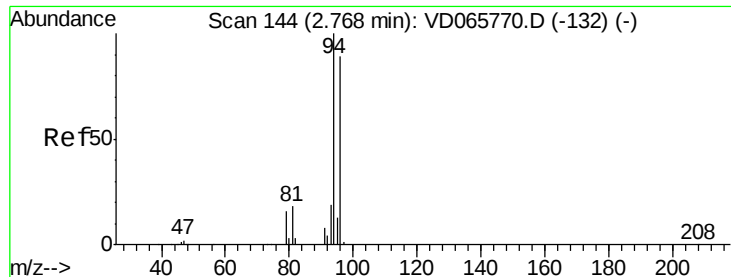
Tgt Ion: 62 Resp: 309575

Ion Ratio Lower Upper

62 100

64 31.4 25.3 37.9





#5

Bromomethane

Concen: 82.25 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

Instrument :

MSVOA_D

ClientSampleId :

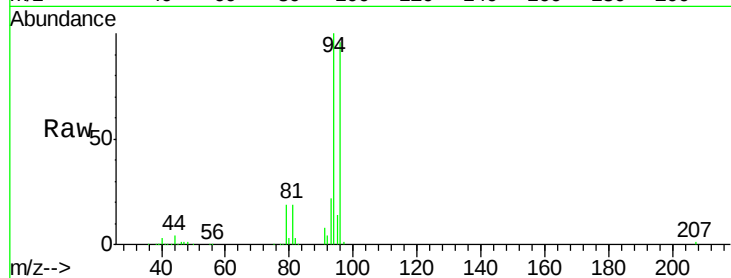
VSTDIC100

Tgt Ion: 94 Resp: 216713

Ion Ratio Lower Upper

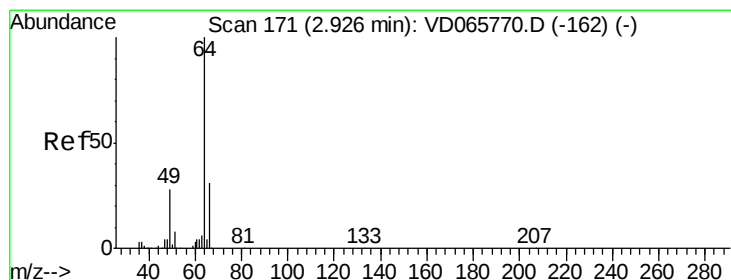
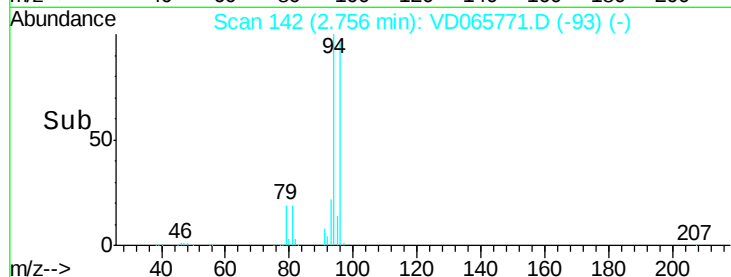
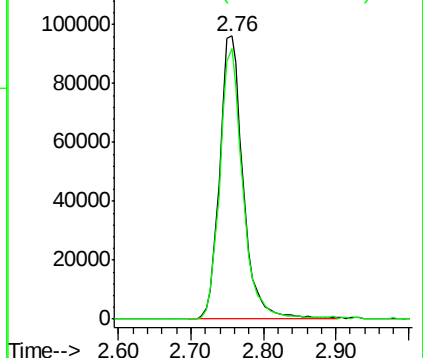
94 100

96 95.7 71.4 107.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 83.35 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065771.D

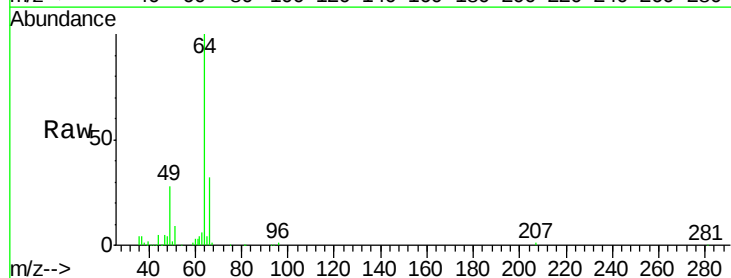
Acq: 05 Jun 2020 12:18

Tgt Ion: 64 Resp: 211563

Ion Ratio Lower Upper

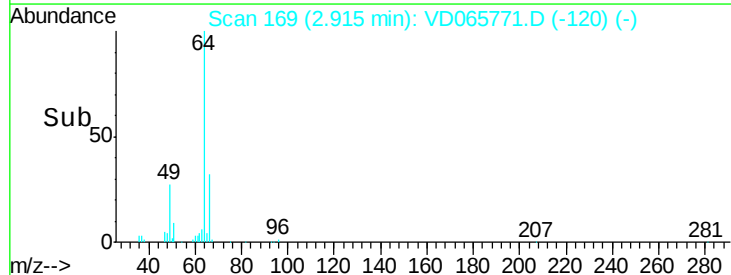
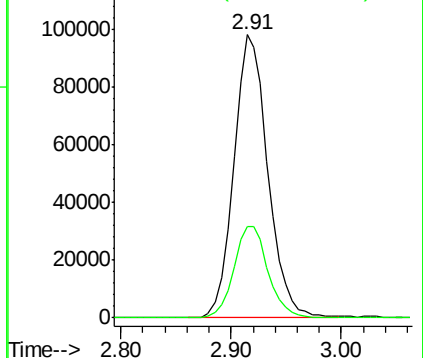
64 100

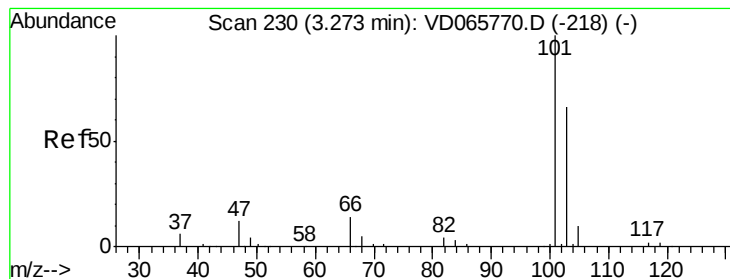
66 32.3 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



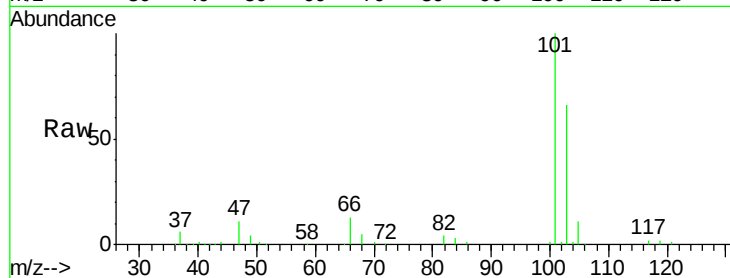


#7

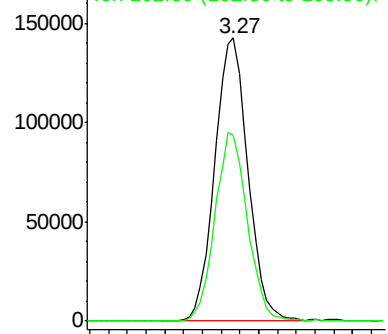
Trichlorofluoromethane
Concen: 82.48 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065771.D
Acq: 05 Jun 2020 12:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

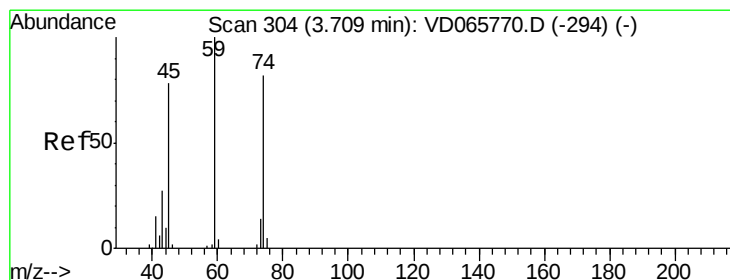
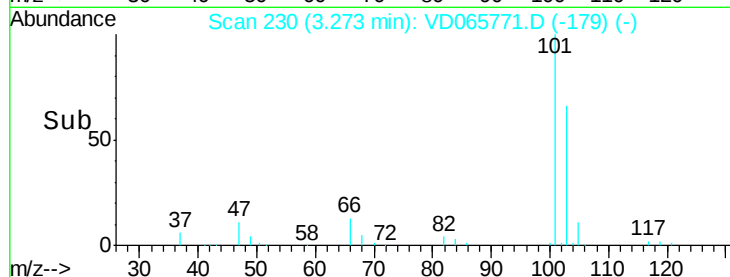
Tgt Ion: 101 Resp: 349085
Ion Ratio Lower Upper
101 100
103 65.5 53.1 79.7



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



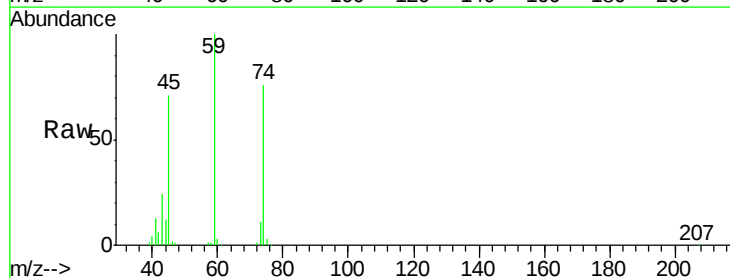
Time-->



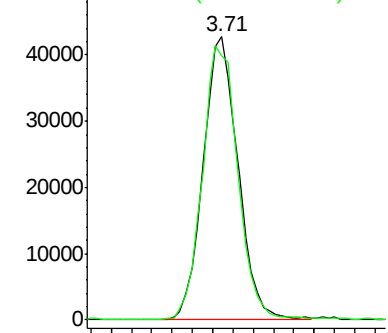
#8

Diethyl Ether
Concen: 95.13 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065771.D
Acq: 05 Jun 2020 12:18

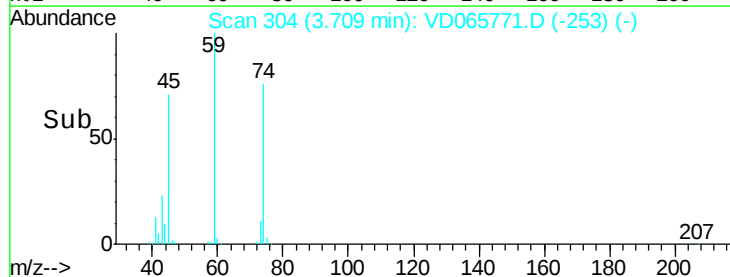
Tgt Ion: 74 Resp: 101950
Ion Ratio Lower Upper
74 100
45 98.9 47.9 143.8

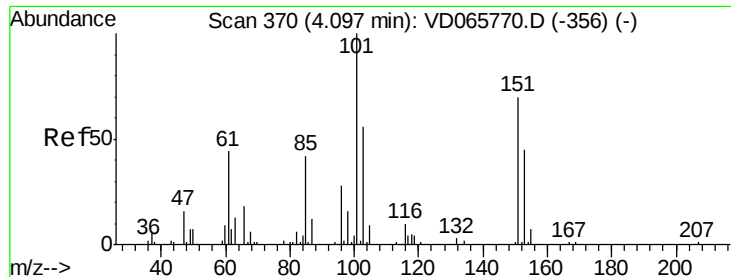


Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 83.55 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

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VSTDIC100

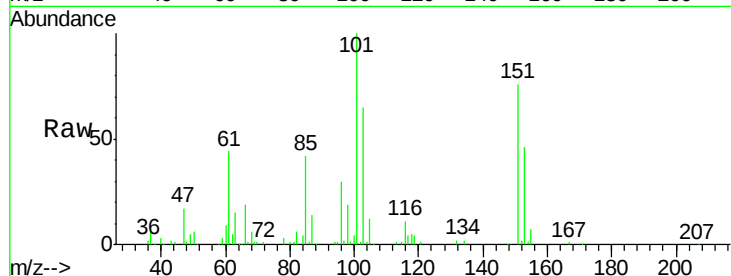
Tgt Ion:101 Resp: 210020

Ion Ratio Lower Upper

101 100

85 45.1 36.5 54.7

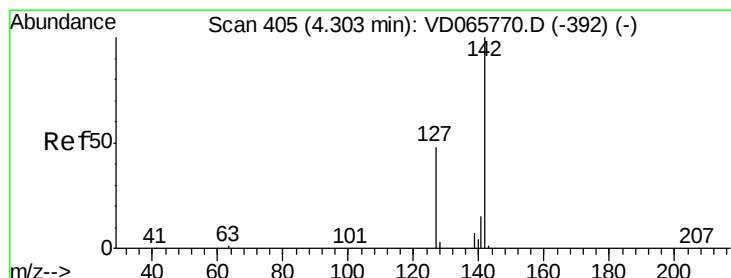
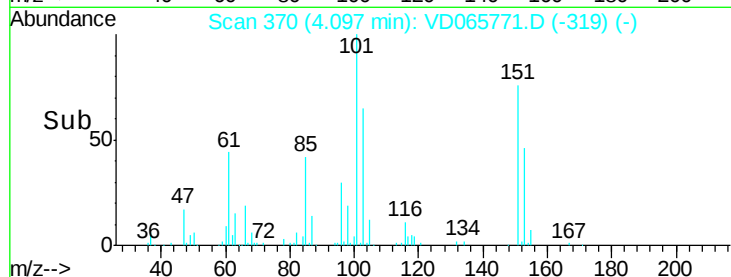
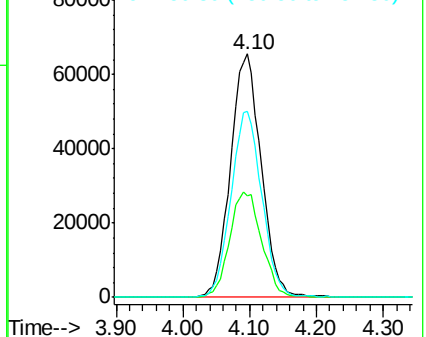
151 76.9 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 113.58 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

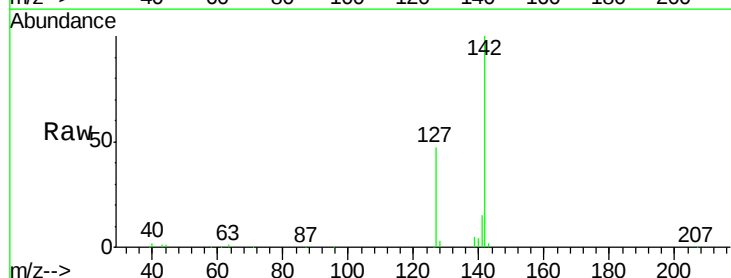
Tgt Ion:142 Resp: 249037

Ion Ratio Lower Upper

142 100

127 46.9 37.6 56.4

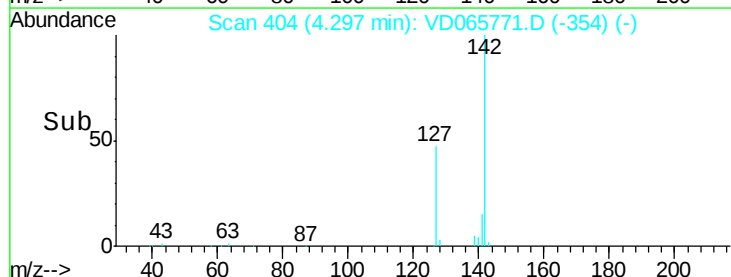
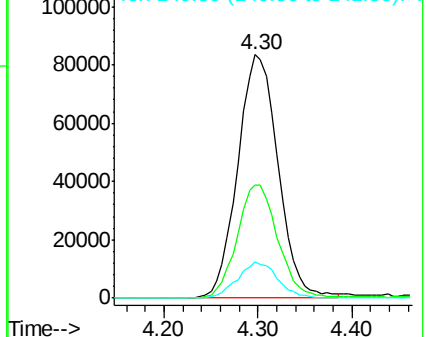
141 14.6 12.1 18.1

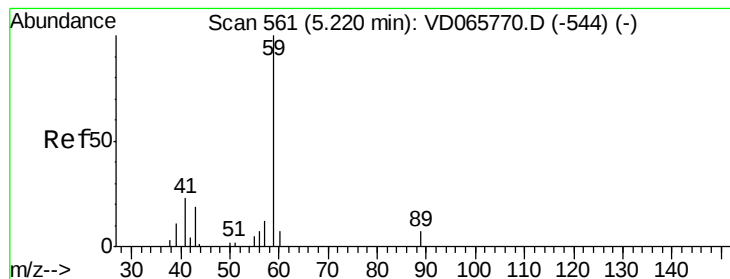


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 328.77 ug/l

RT: 5.22 min Scan# 561

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

Instrument :

MSVOA_D

ClientSampleId :

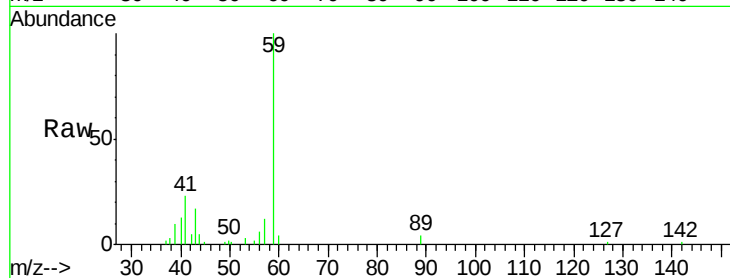
VSTDIC100

Tgt Ion: 59 Resp: 63501

Ion Ratio Lower Upper

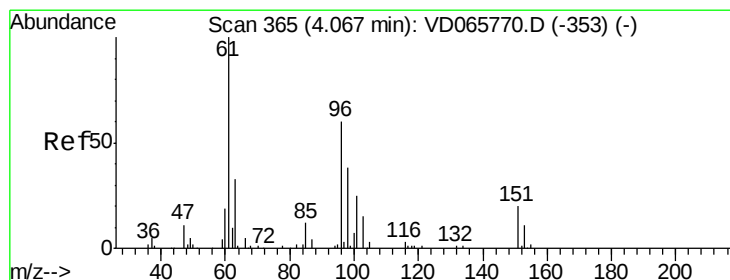
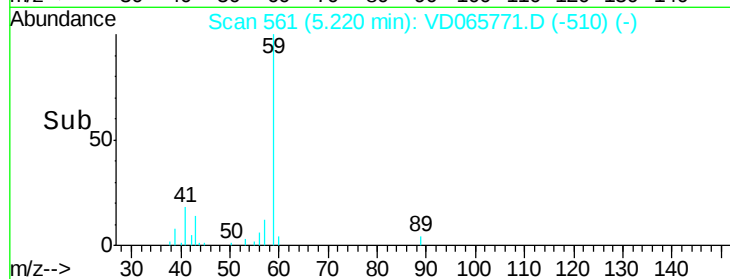
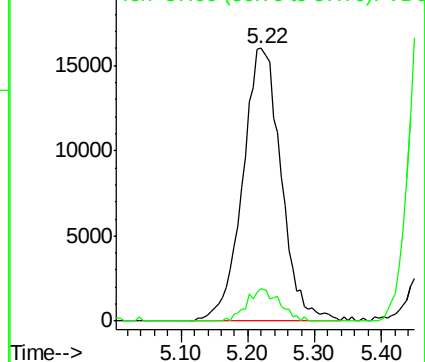
59 100

57 10.1 7.5 11.3



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 88.07 ug/l

RT: 4.07 min Scan# 365

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

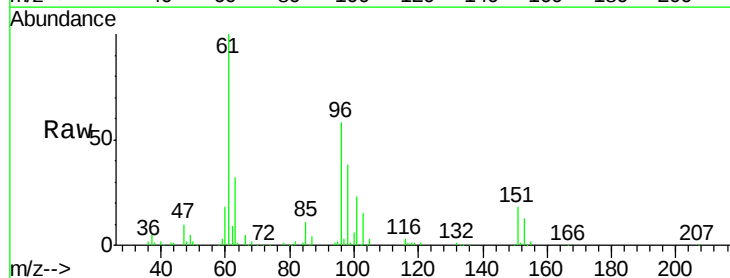
Tgt Ion: 96 Resp: 198635

Ion Ratio Lower Upper

96 100

61 173.3 132.3 198.5

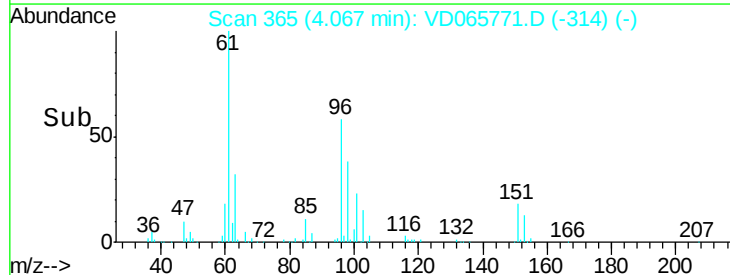
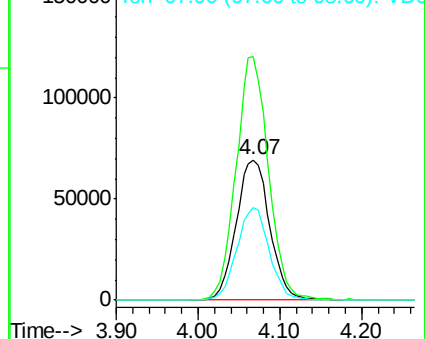
98 65.8 50.7 76.1

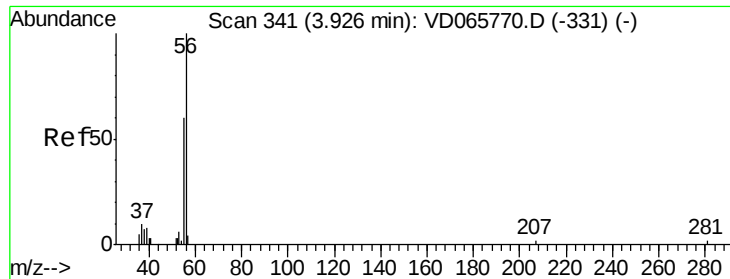


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 420.75 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

Instrument :

MSVOA_D

ClientSampleId :

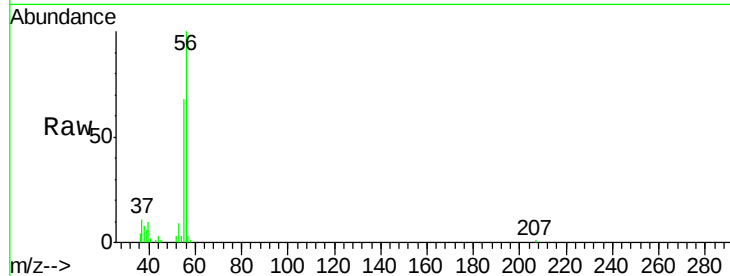
VSTDIC100

Tgt Ion: 56 Resp: 59651

Ion Ratio Lower Upper

56 100

55 73.0 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

25000

20000

15000

10000

5000

0

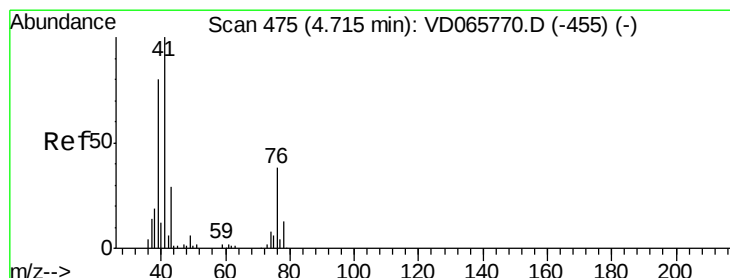
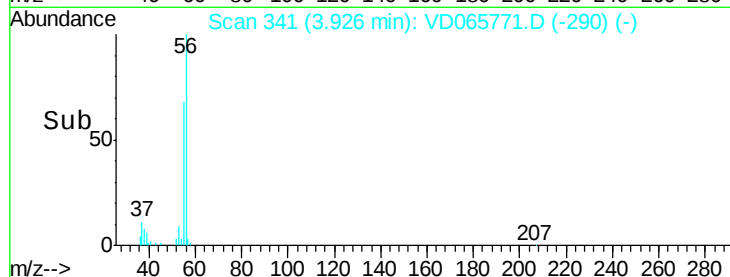
3.93

3.80

3.90

4.00

Time-->



#14

Allyl chloride

Concen: 95.16 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

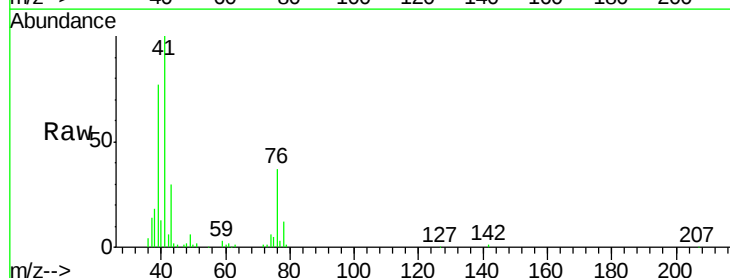
Tgt Ion: 41 Resp: 348202

Ion Ratio Lower Upper

41 100

39 76.7 60.9 91.3

76 35.8 28.9 43.3



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

150000

100000

50000

0

4.71

4.50

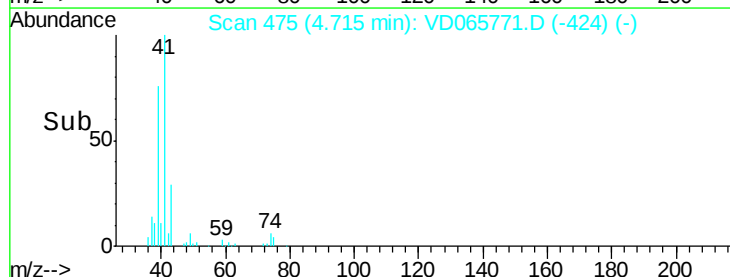
4.60

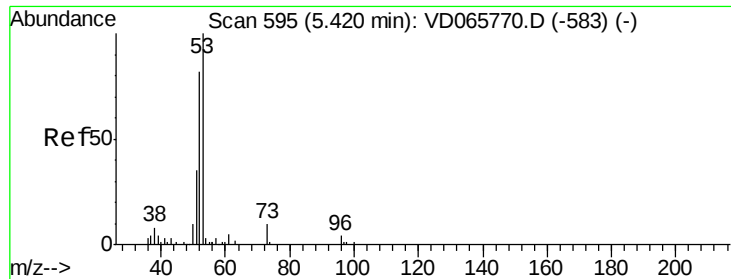
4.70

4.80

4.90

Time-->





#15

Acrylonitrile

Concen: 483.29 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

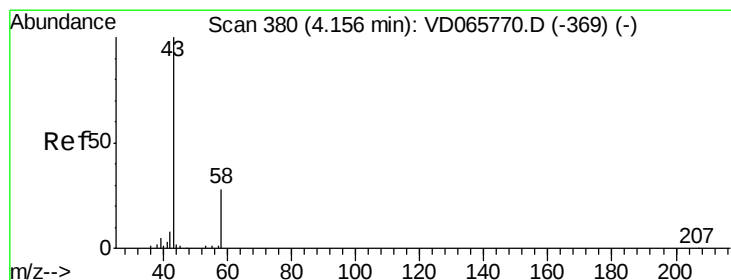
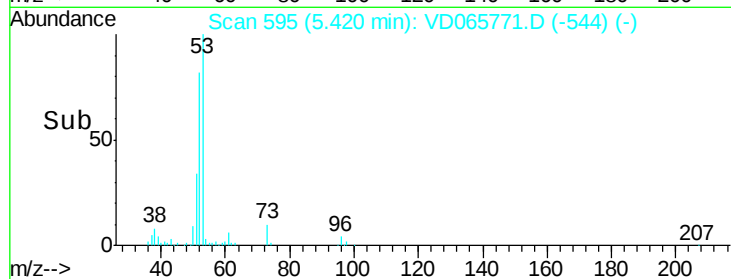
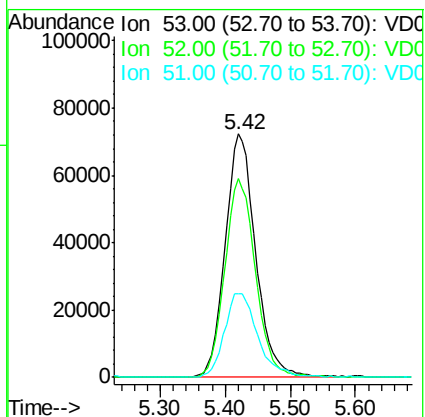
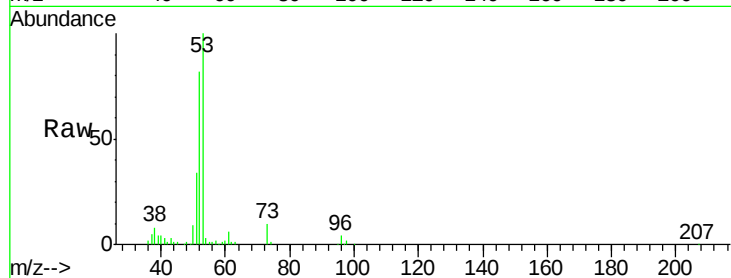
Tgt Ion: 53 Resp: 234573

Ion Ratio Lower Upper

53 100

52 82.3 66.2 99.2

51 37.6 30.7 46.1



#16

Acetone

Concen: 489.06 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD065771.D

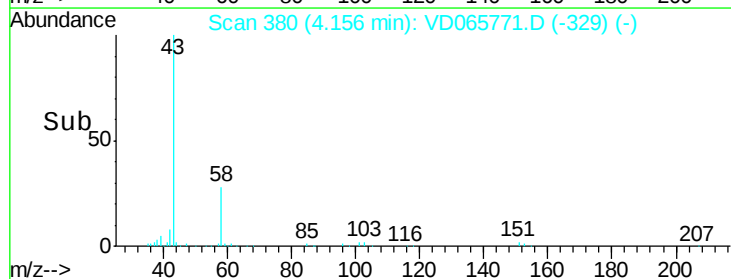
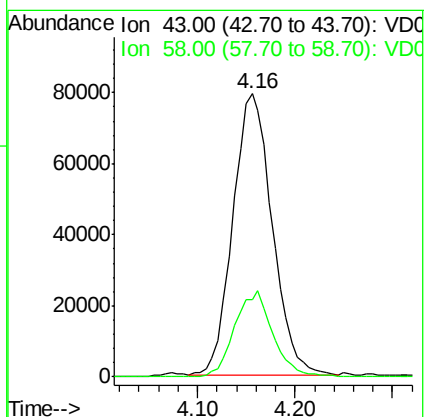
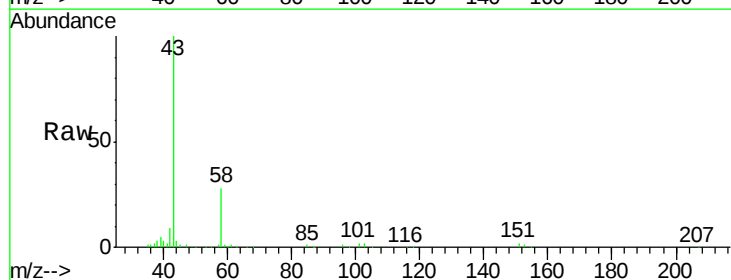
Acq: 05 Jun 2020 12:18

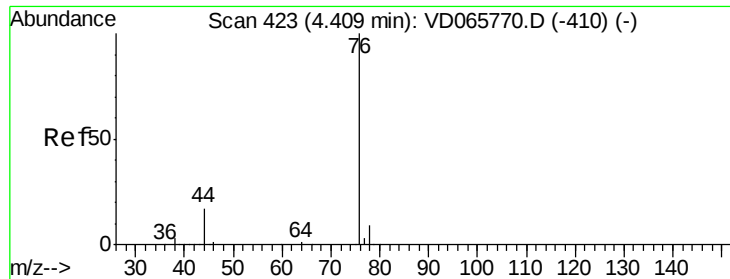
Tgt Ion: 43 Resp: 220820

Ion Ratio Lower Upper

43 100

58 27.5 22.3 33.5

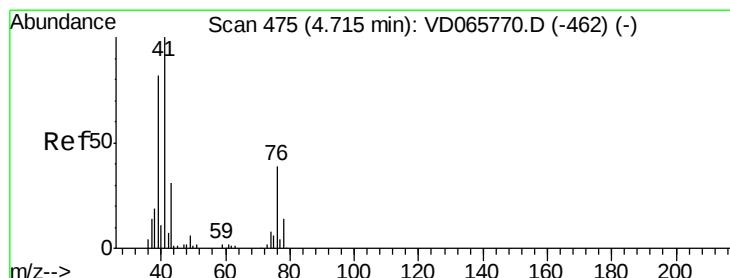
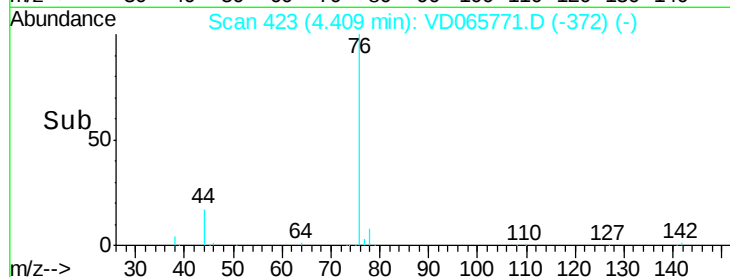
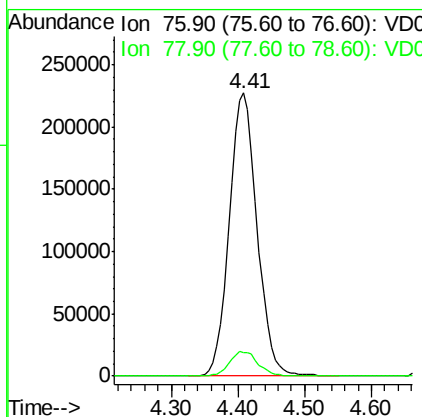
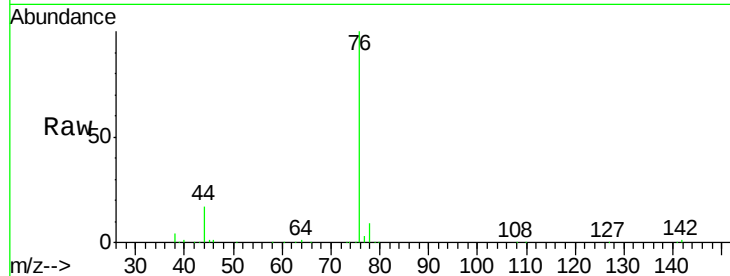




#17
Carbon Disulfide
Concen: 86.95 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD065771.D
Acq: 05 Jun 2020 12:18

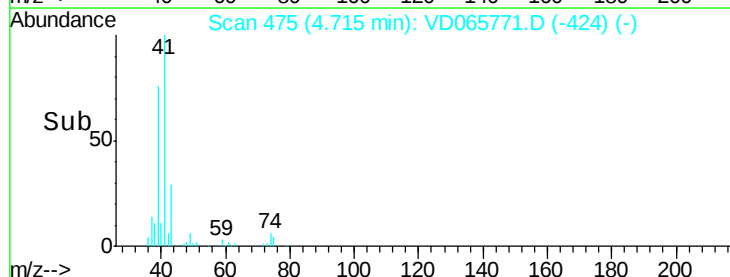
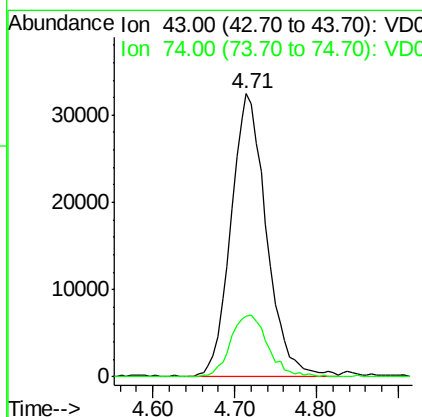
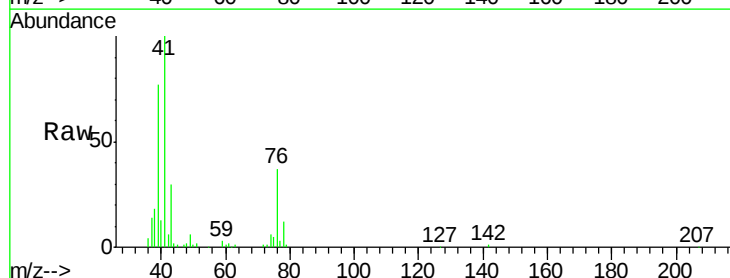
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

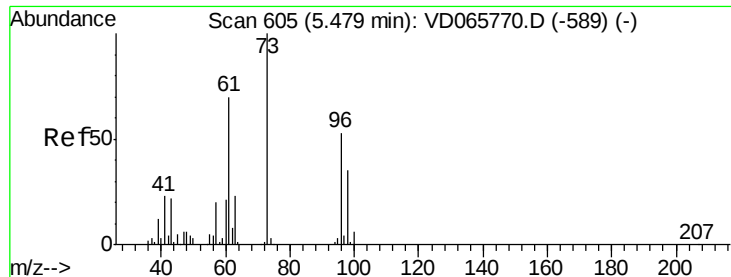
Tgt Ion: 76 Resp: 661394
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7



#18
Methyl Acetate
Concen: 79.07 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD065771.D
Acq: 05 Jun 2020 12:18

Tgt Ion: 43 Resp: 98237
Ion Ratio Lower Upper
43 100
74 22.8 18.7 28.1

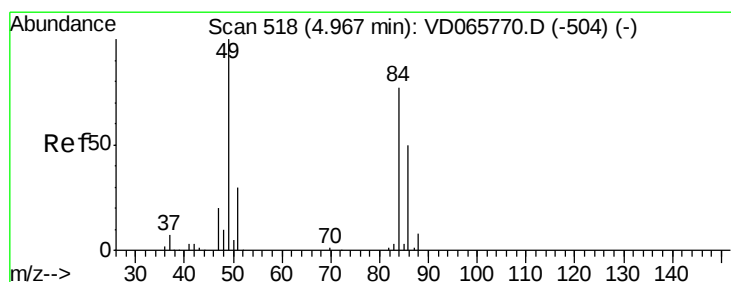
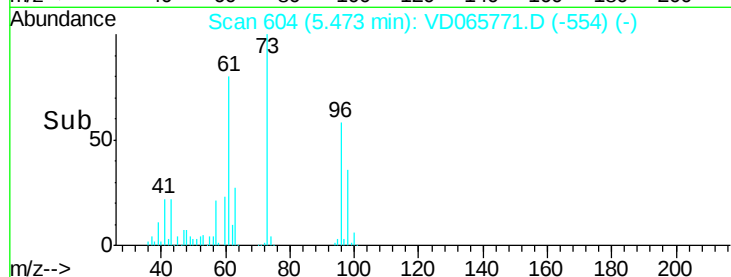
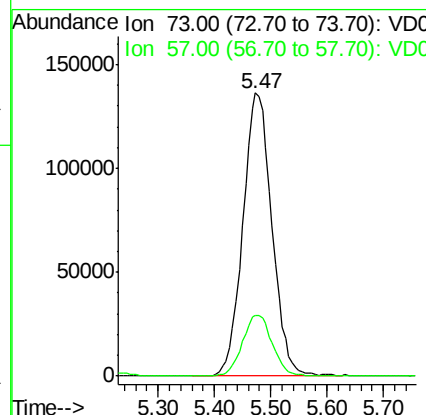
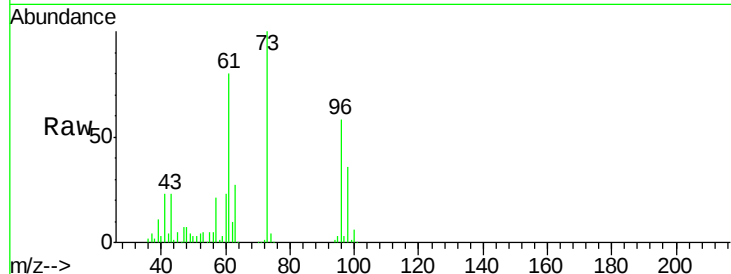




#19
Methyl tert-butyl Ether
Concen: 98.42 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065771.D
Acq: 05 Jun 2020 12:18

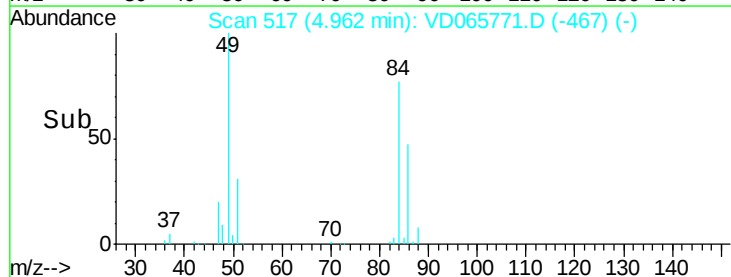
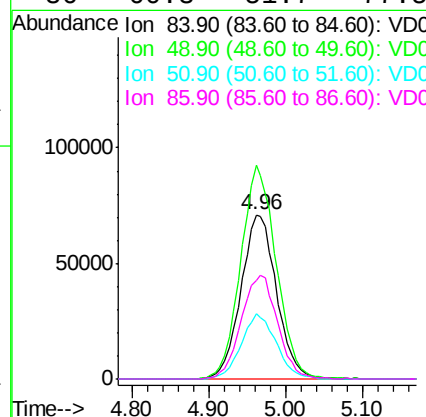
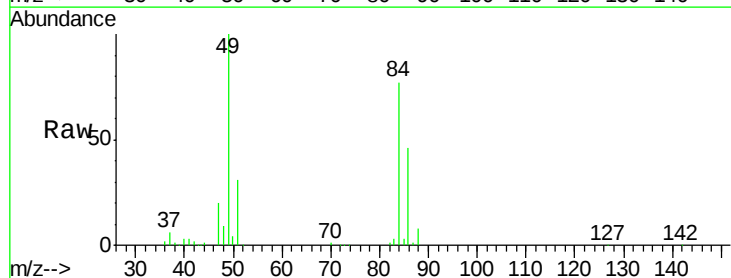
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

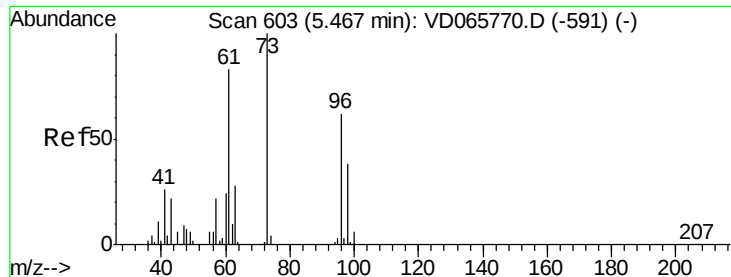
Tgt Ion: 73 Resp: 488586
Ion Ratio Lower Upper
73 100
57 21.3 16.2 24.2



#20
Methylene Chloride
Concen: 77.79 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065771.D
Acq: 05 Jun 2020 12:18

Tgt Ion: 84 Resp: 230020
Ion Ratio Lower Upper
84 100
49 129.9 103.4 155.0
51 39.8 31.4 47.2
86 60.3 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 91.68 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

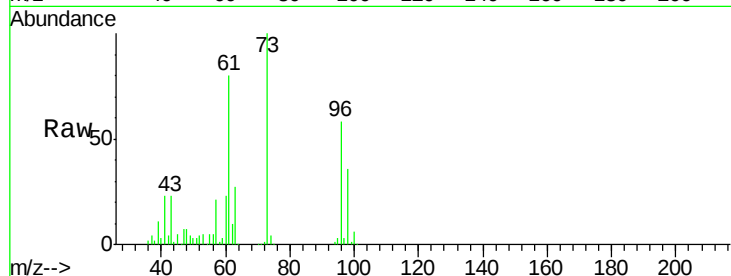
Tgt Ion: 96 Resp: 239170

Ion Ratio Lower Upper

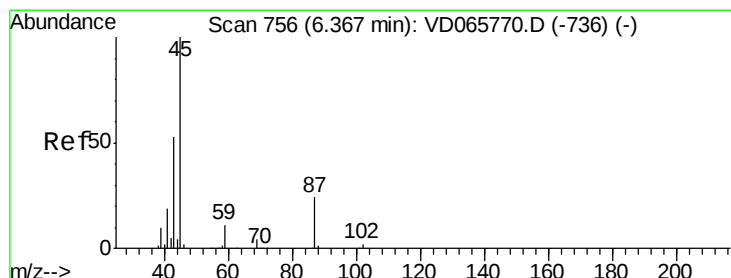
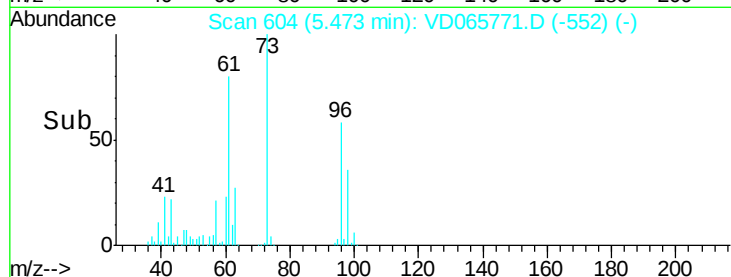
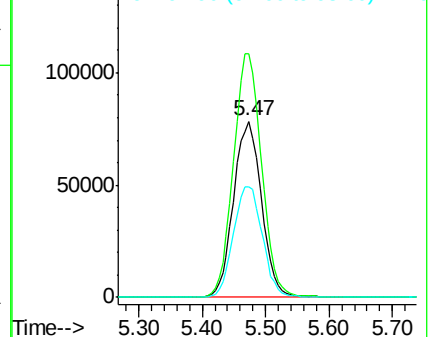
96 100

61 138.1 107.7 161.5

98 62.5 49.3 73.9



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: 96.91 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

Tgt Ion: 45 Resp: 712696

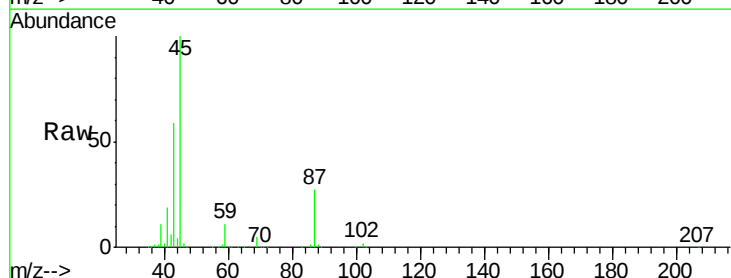
Ion Ratio Lower Upper

45 100

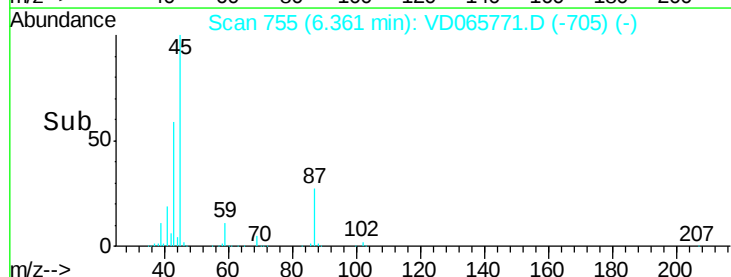
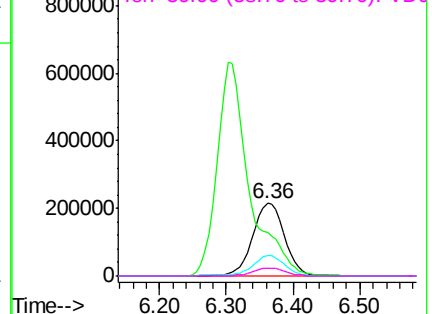
43 58.4 43.4 65.0

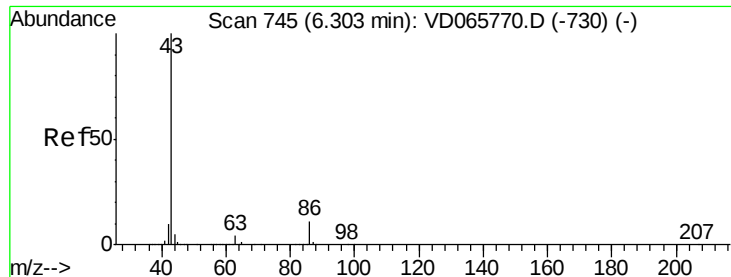
87 27.3 20.2 30.4

59 11.3 9.4 14.0



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: 532.85 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

Instrument :

MSVOA_D

ClientSampleId :

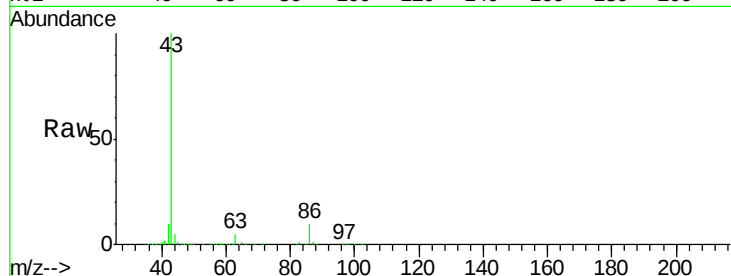
VSTDIC100

Tgt Ion: 43 Resp: 2146416

Ion Ratio Lower Upper

43 100

86 10.0 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

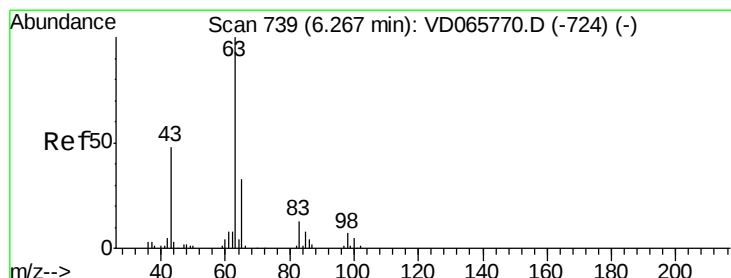
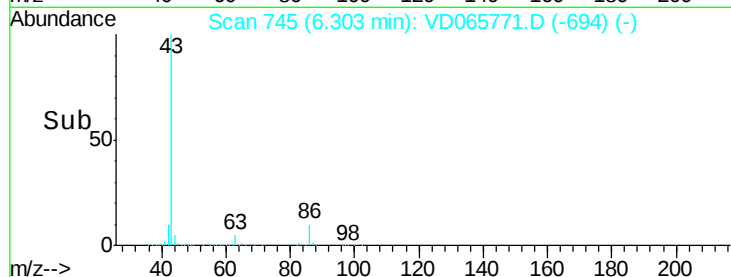
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 91.73 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

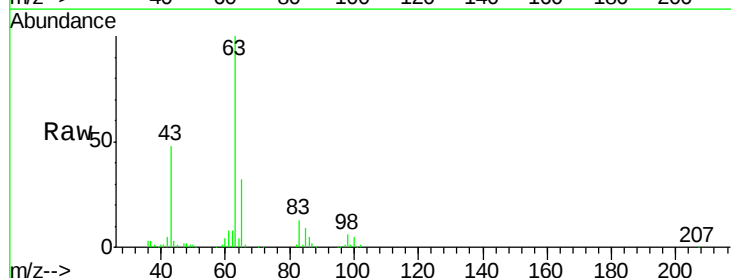
Tgt Ion: 63 Resp: 417778

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.5

100 4.8 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

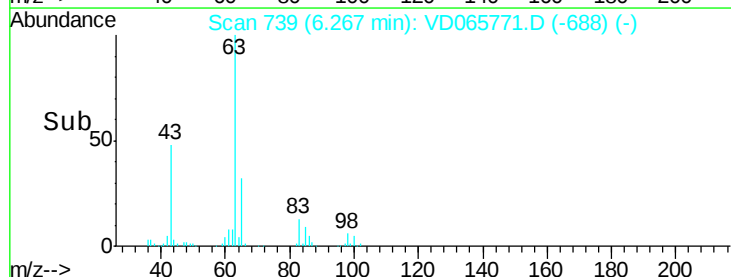
150000

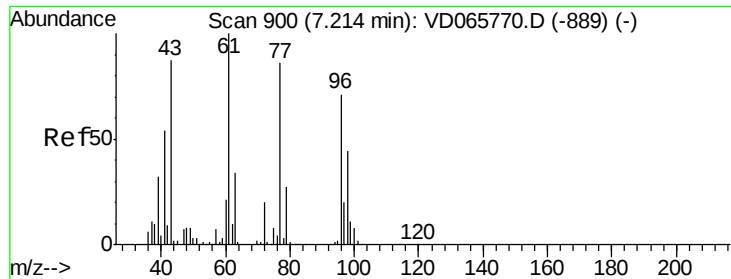
100000

50000

0

Time-->





#25

2-Butanone

Concen: 497.41 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

Instrument :

MSVOA_D

ClientSampleId :

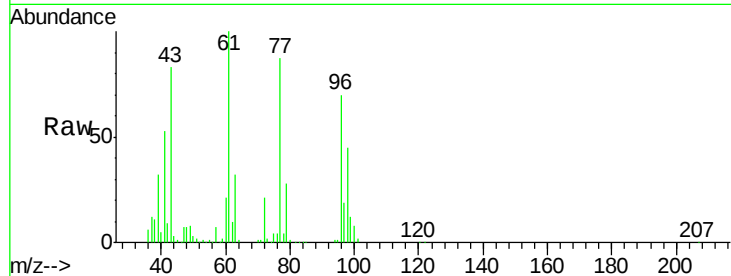
VSTDIC100

Tgt Ion: 43 Resp: 309162

Ion Ratio Lower Upper

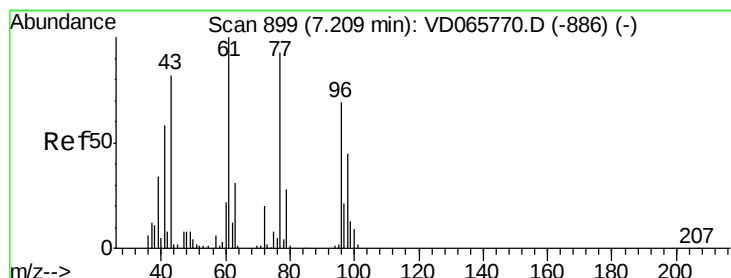
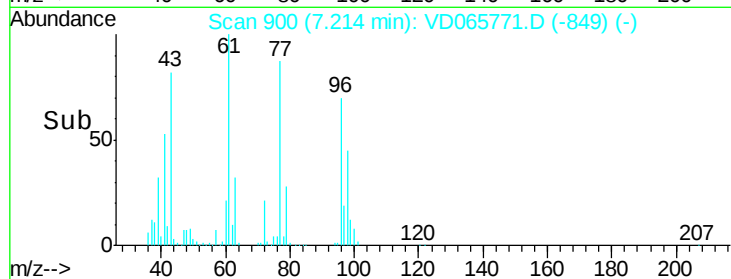
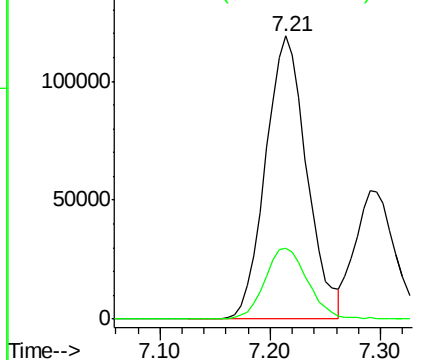
43 100

72 25.1 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 91.33 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065771.D

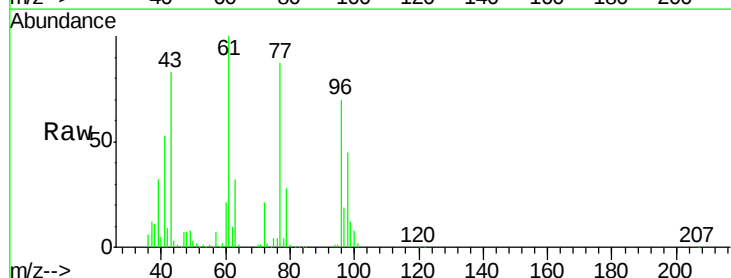
Acq: 05 Jun 2020 12:18

Tgt Ion: 77 Resp: 369582

Ion Ratio Lower Upper

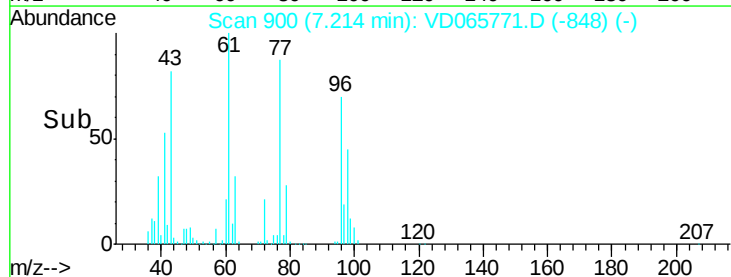
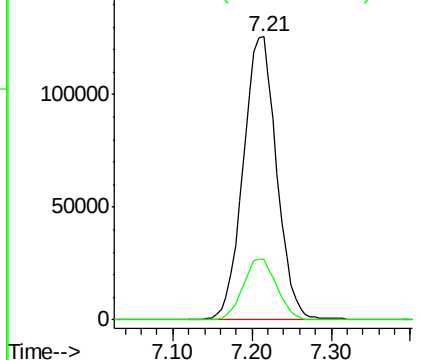
77 100

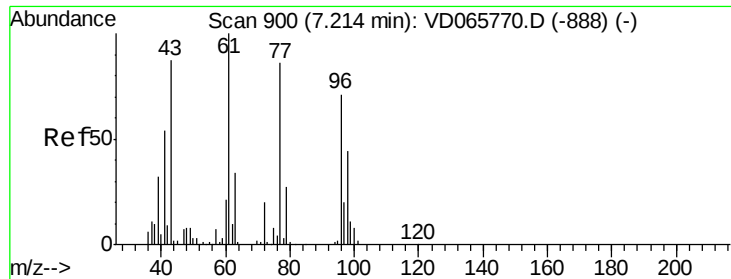
97 21.7 10.9 32.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

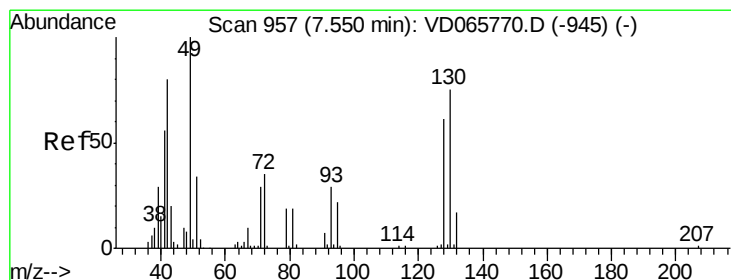
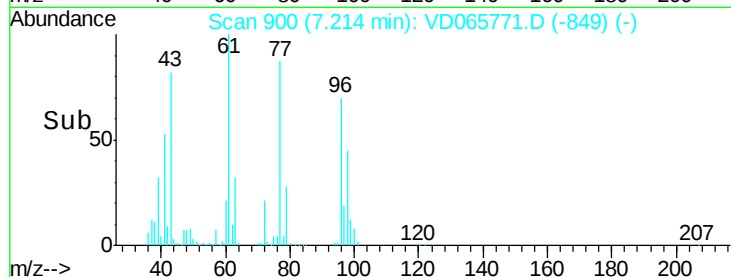
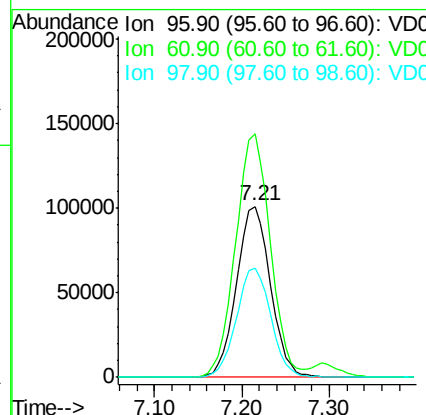
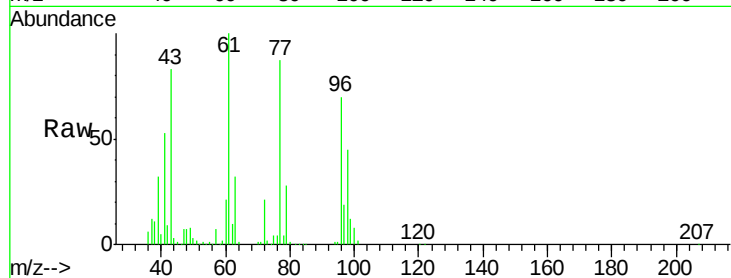




#27
 cis-1,2-Dichloroethene
 Concen: 95.72 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065771.D
 Acq: 05 Jun 2020 12:18

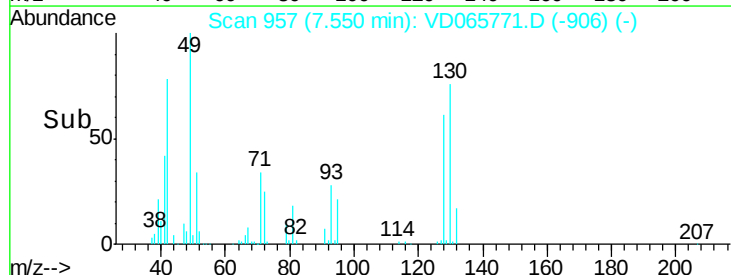
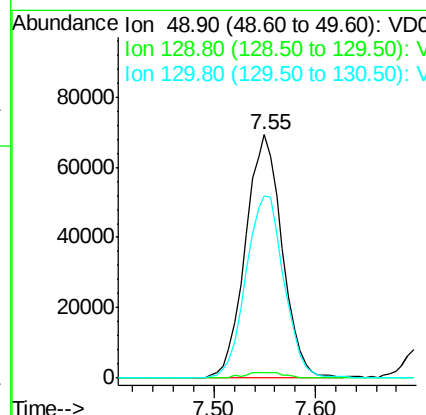
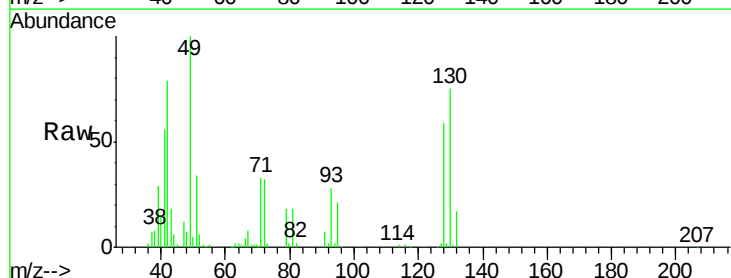
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

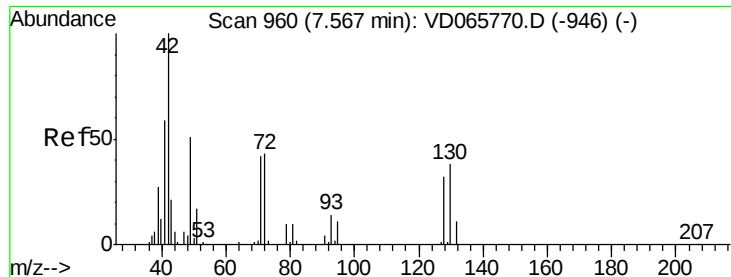
Tgt Ion: 96 Resp: 265958
 Ion Ratio Lower Upper
 96 100
 61 145.1 0.0 291.2
 98 64.6 0.0 128.8



#28
 Bromochloromethane
 Concen: 101.01 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065771.D
 Acq: 05 Jun 2020 12:18

Tgt Ion: 49 Resp: 173509
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 4.6
 130 77.9 59.5 89.3

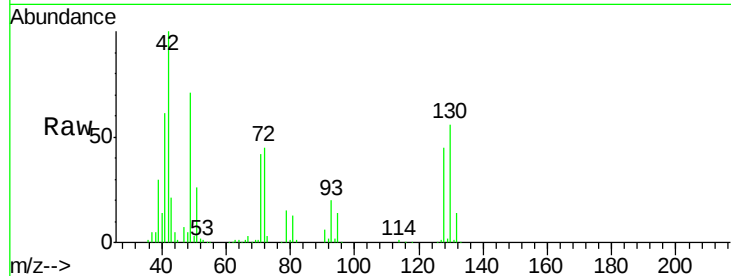




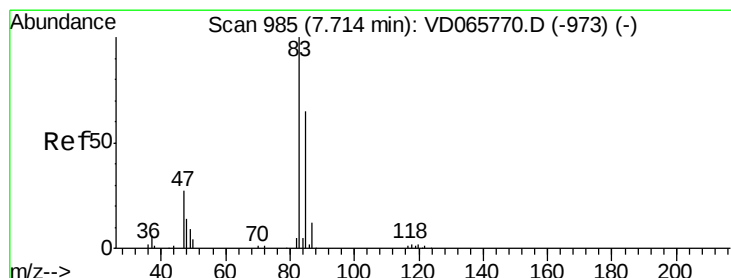
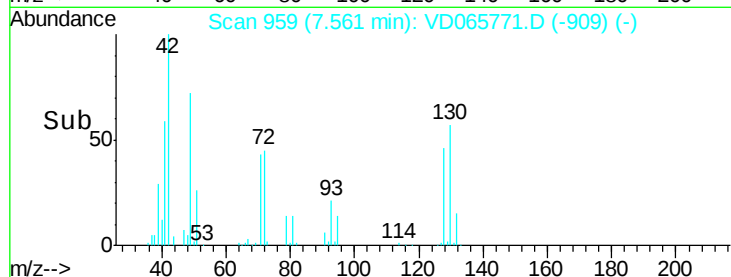
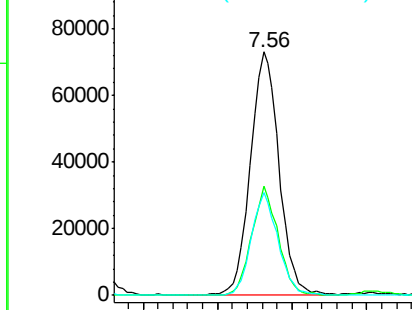
#29
Tetrahydrofuran
Concen: 499.79 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065771.D
Acq: 05 Jun 2020 12:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 42 Resp: 195531
Ion Ratio Lower Upper
42 100
72 41.3 34.9 52.3
71 39.6 31.2 46.8

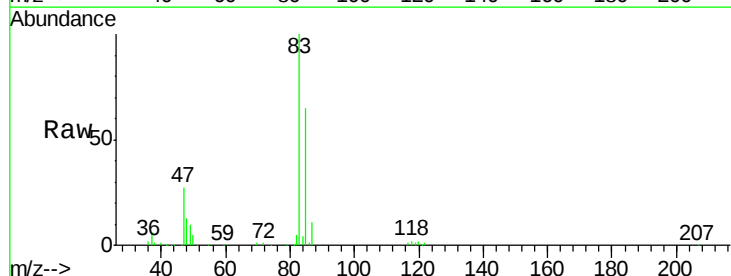


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

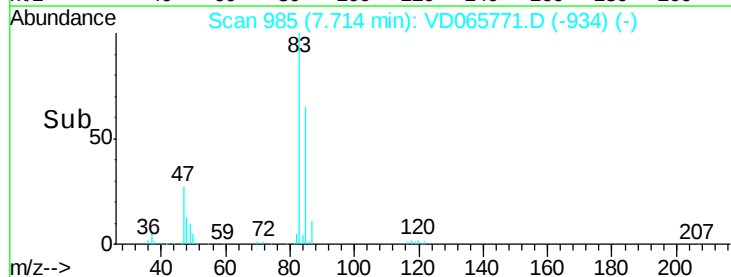
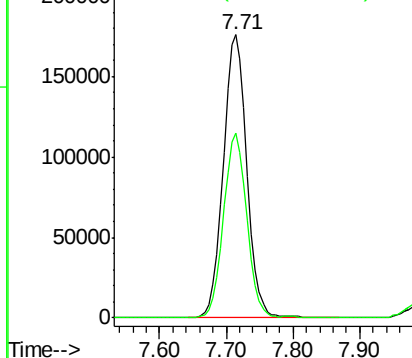


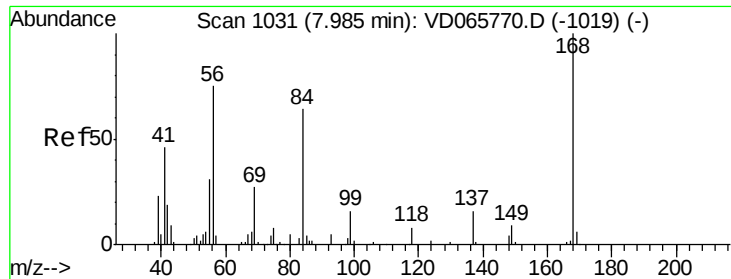
#30
Chloroform
Concen: 92.93 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065771.D
Acq: 05 Jun 2020 12:18

Tgt Ion: 83 Resp: 437499
Ion Ratio Lower Upper
83 100
85 65.3 51.9 77.9



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

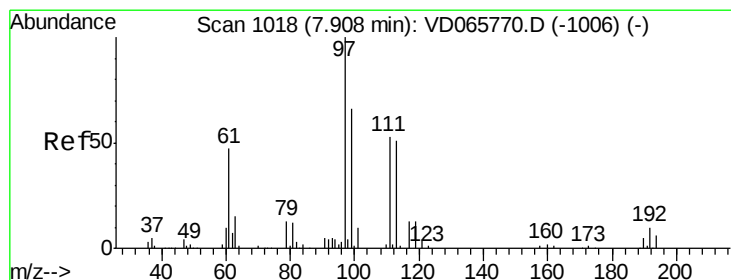
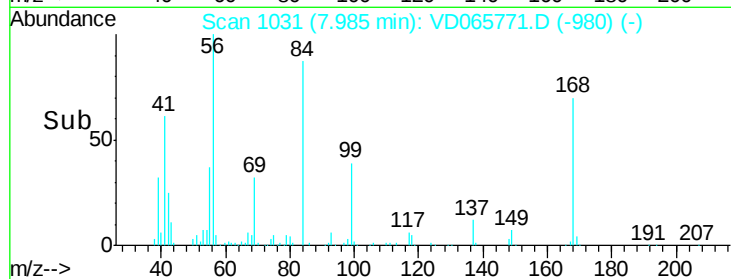
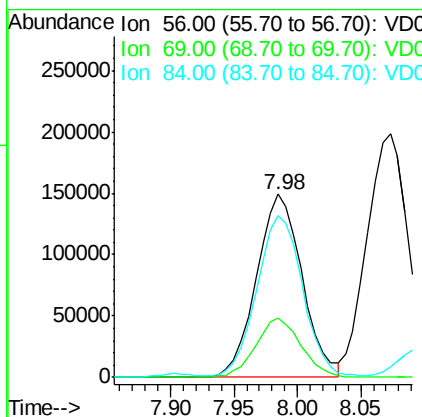
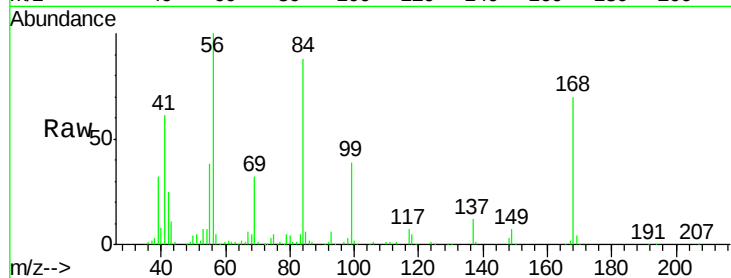




#31
Cyclohexane
Concen: 83.44 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065771.D
Acq: 05 Jun 2020 12:18

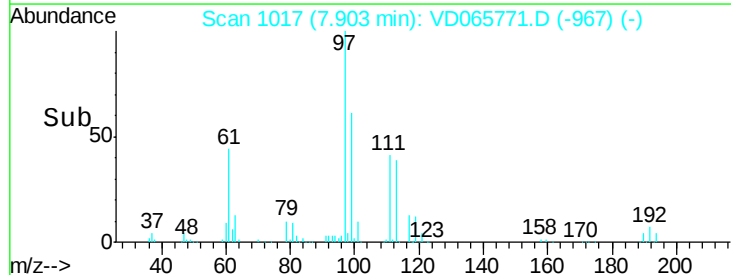
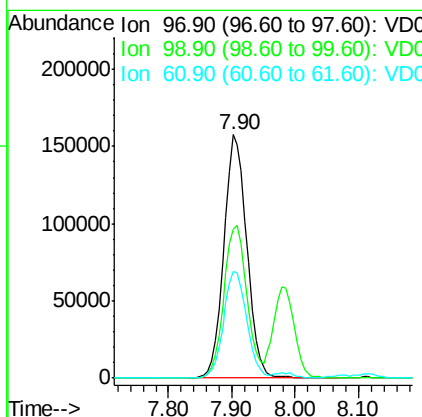
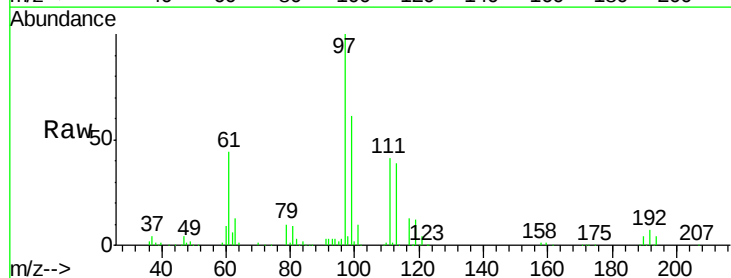
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

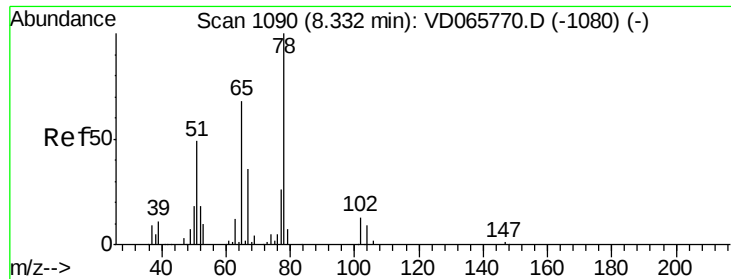
Tgt Ion: 56 Resp: 373913
Ion Ratio Lower Upper
56 100
69 32.4 28.5 42.7
84 86.7 68.4 102.6



#32
1,1,1-Trichloroethane
Concen: 91.55 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065771.D
Acq: 05 Jun 2020 12:18

Tgt Ion: 97 Resp: 397246
Ion Ratio Lower Upper
97 100
99 63.3 49.2 73.8
61 44.2 36.0 54.0

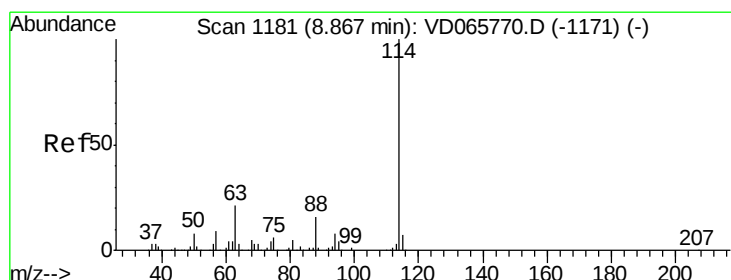
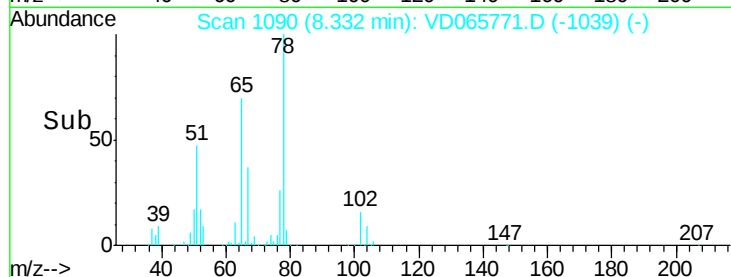
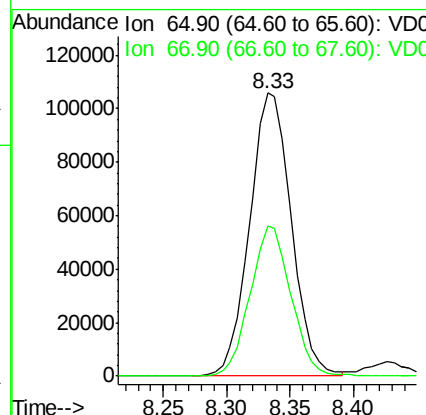
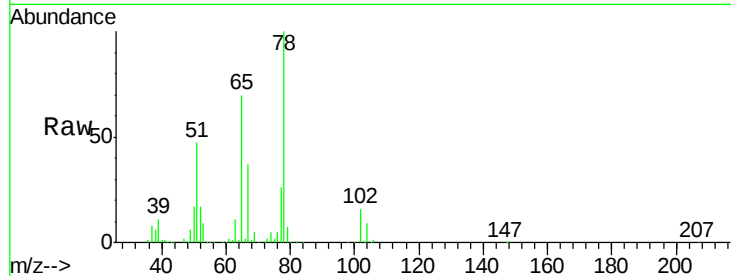




#33
 1,2-Dichloroethane-d4
 Concen: 101.47 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065771.D
 Acq: 05 Jun 2020 12:18

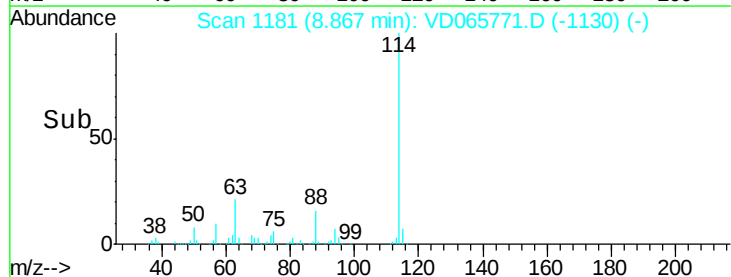
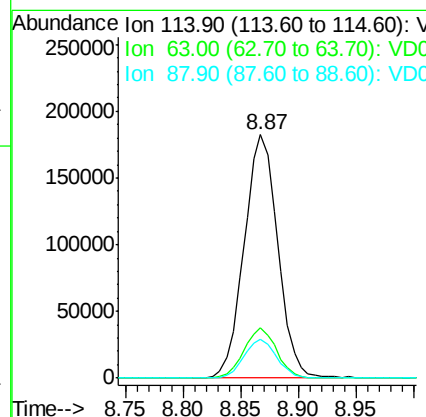
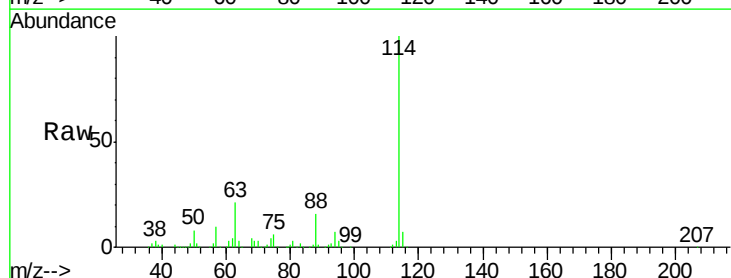
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

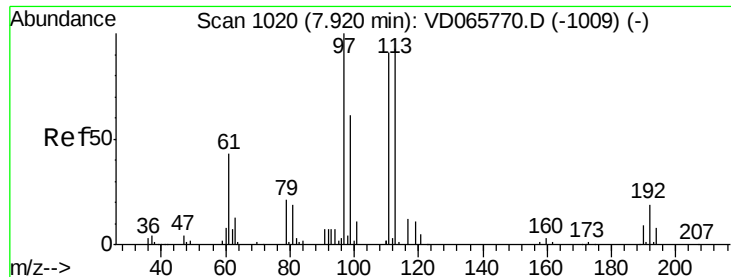
Tgt Ion: 65 Resp: 241880
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065771.D
 Acq: 05 Jun 2020 12:18

Tgt Ion: 114 Resp: 369464
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.8
 88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 102.79 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

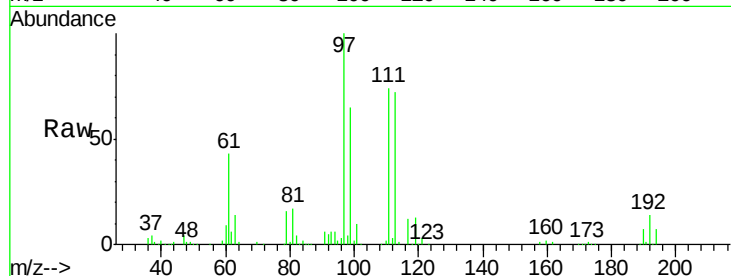
Tgt Ion:113 Resp: 240725

Ion Ratio Lower Upper

113 100

111 103.3 83.4 125.0

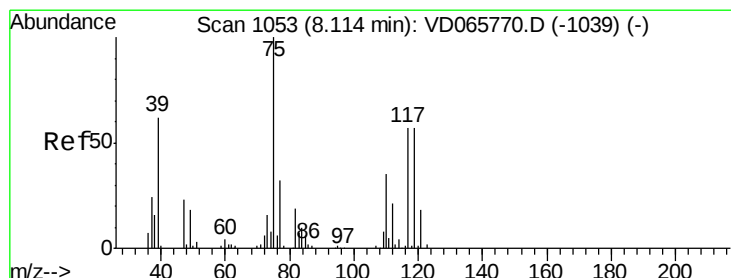
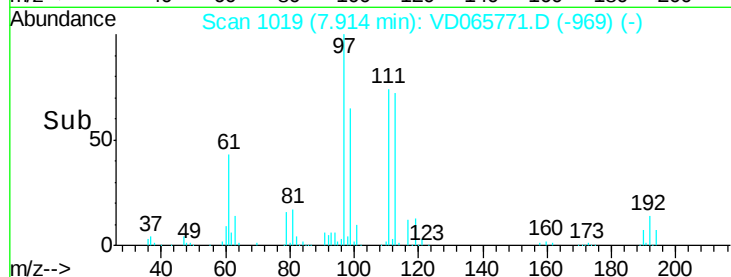
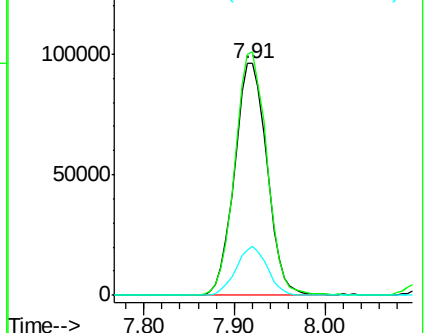
192 20.4 15.7 23.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 92.36 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

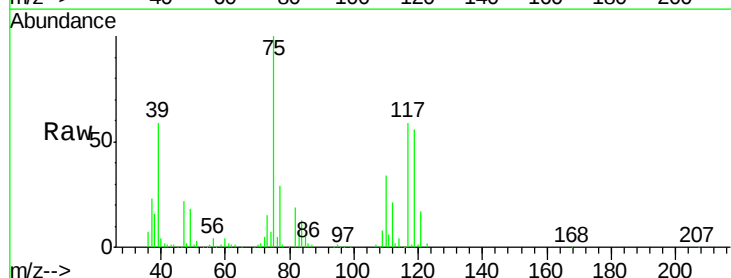
Tgt Ion: 75 Resp: 335483

Ion Ratio Lower Upper

75 100

110 35.4 17.6 52.8

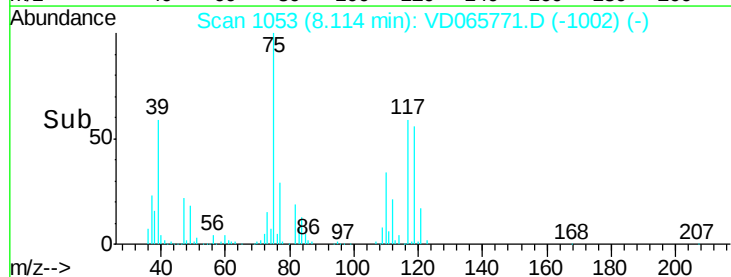
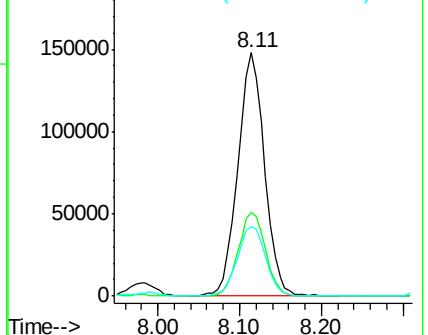
77 30.8 25.1 37.7

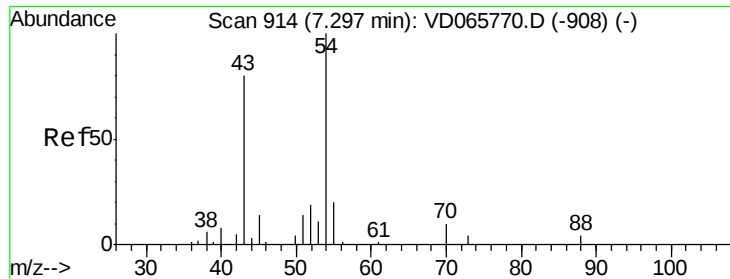


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

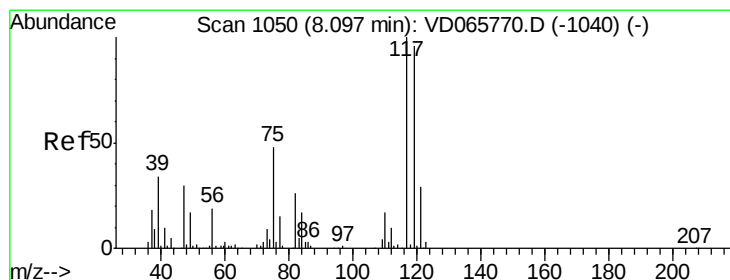
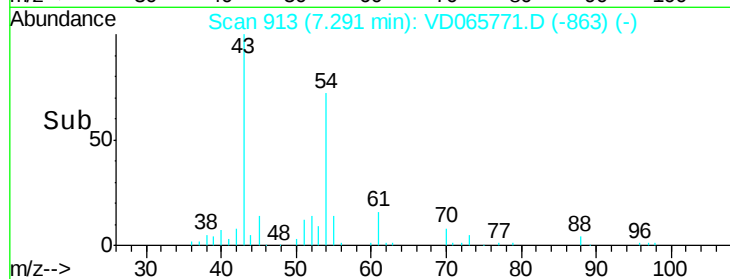
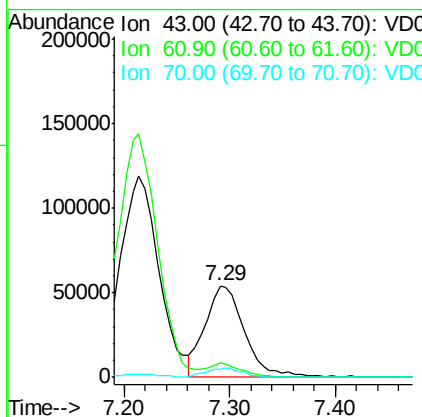
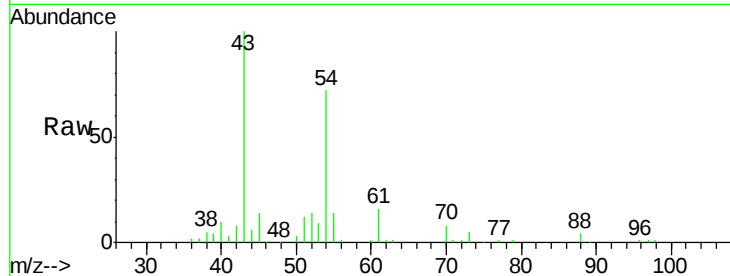




#37
Ethyl Acetate
Concen: 98.35 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD065771.D
Acq: 05 Jun 2020 12:18

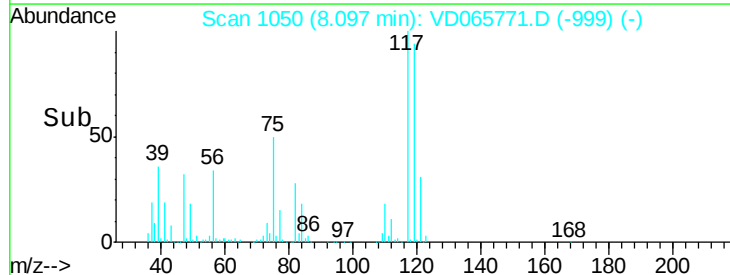
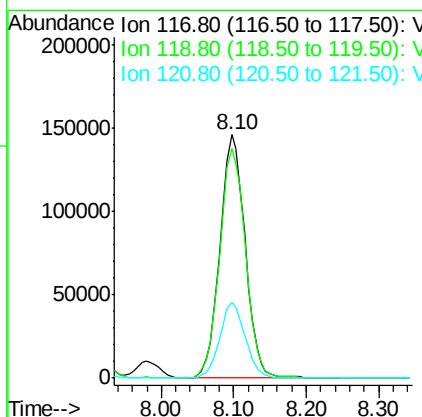
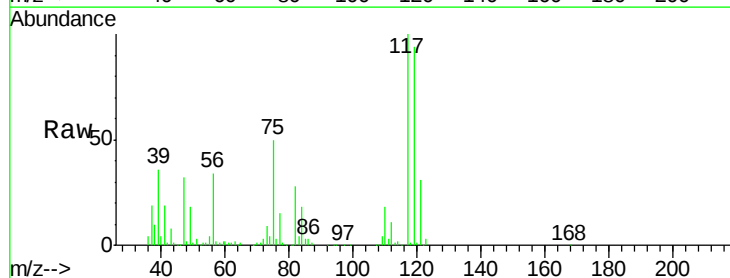
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

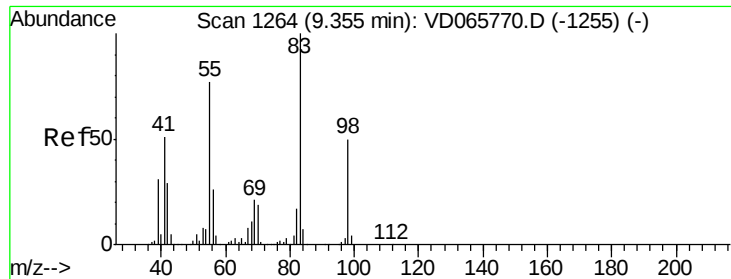
Tgt Ion: 43 Resp: 138927
Ion Ratio Lower Upper
43 100
61 13.9 10.6 15.8
70 9.8 7.5 11.3



#38
Carbon Tetrachloride
Concen: 92.40 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065771.D
Acq: 05 Jun 2020 12:18

Tgt Ion: 117 Resp: 352041
Ion Ratio Lower Upper
117 100
119 94.5 76.8 115.2
121 31.0 23.4 35.2

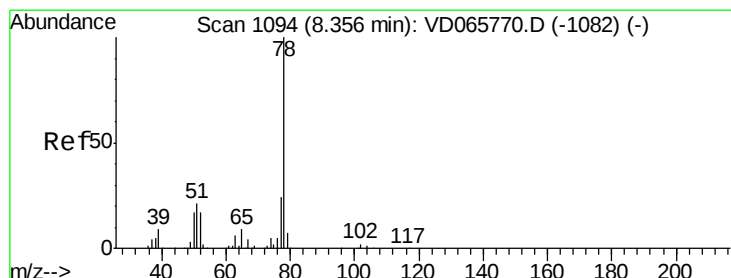
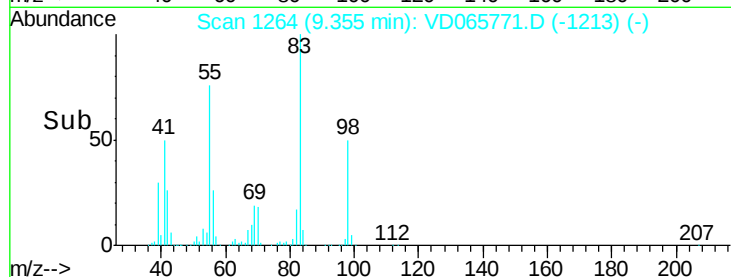
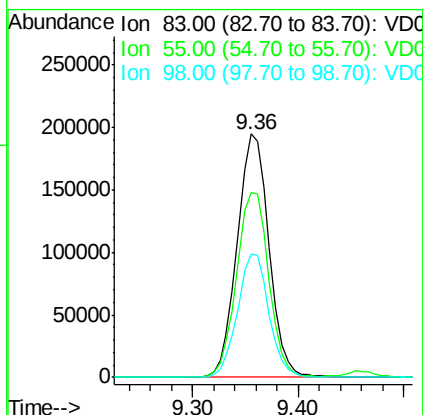
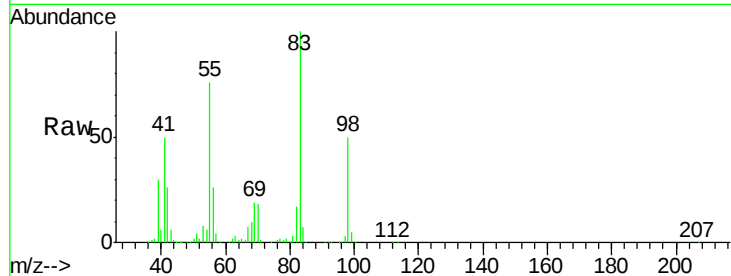




#39
Methylcyclohexane
Concen: 96.58 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065771.D
Acq: 05 Jun 2020 12:18

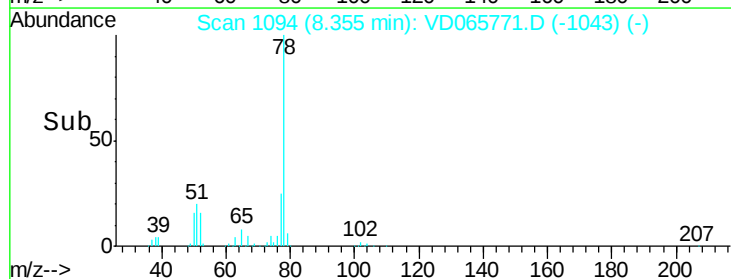
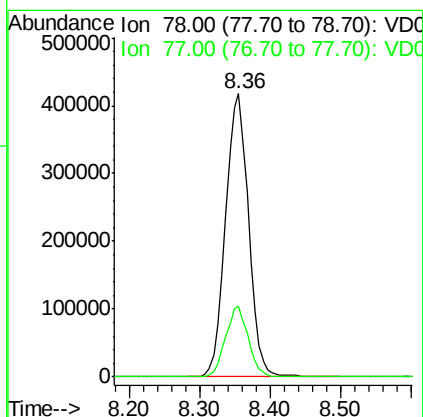
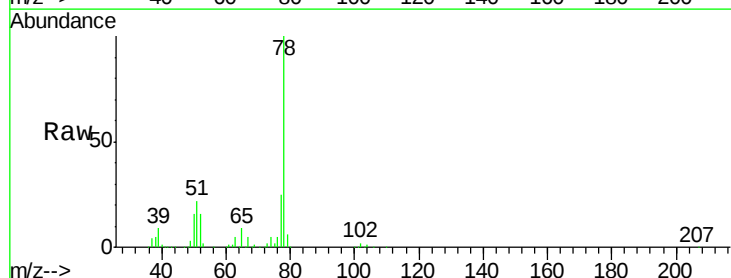
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

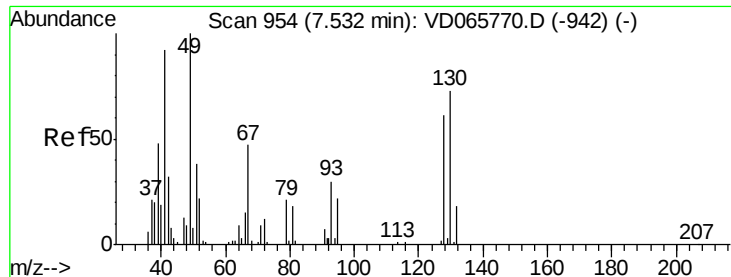
Tgt Ion: 83 Resp: 407321
Ion Ratio Lower Upper
83 100
55 75.7 61.6 92.4
98 50.4 40.2 60.2



#40
Benzene
Concen: 96.29 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065771.D
Acq: 05 Jun 2020 12:18

Tgt Ion: 78 Resp: 945192
Ion Ratio Lower Upper
78 100
77 25.2 19.2 28.8





#41

Methacrylonitrile

Concen: 77.29 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 68081

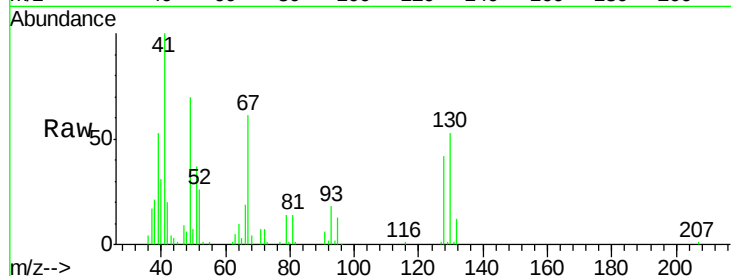
Ion Ratio Lower Upper

41 100

39 76.2 38.3 57.5#

67 83.0 49.8 74.6#

52 37.3 21.7 32.5#

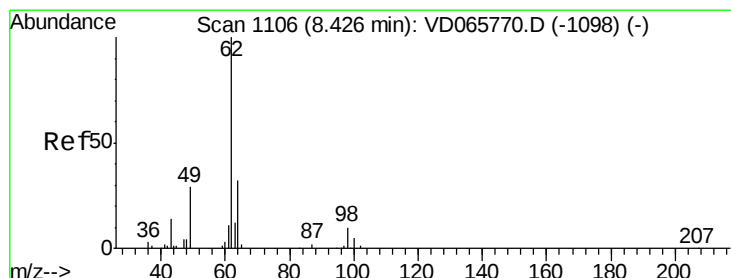
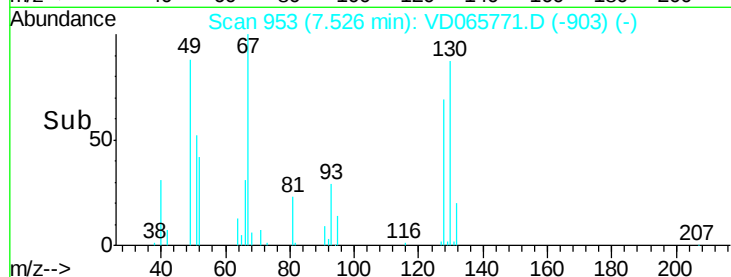
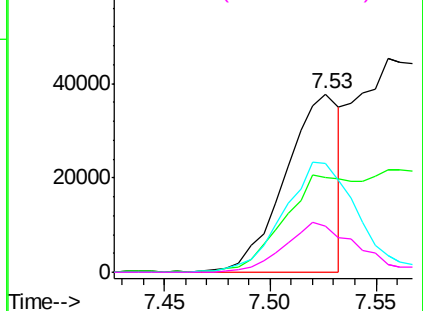


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 93.46 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD065771.D

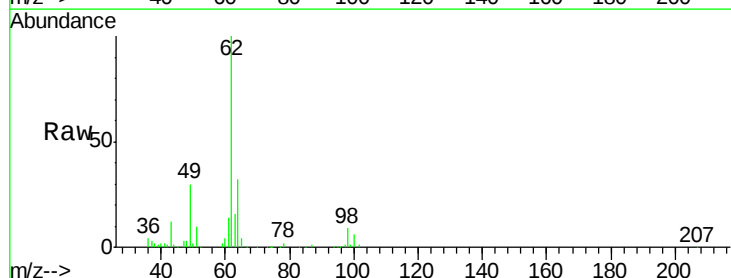
Acq: 05 Jun 2020 12:18

Tgt Ion: 62 Resp: 280824

Ion Ratio Lower Upper

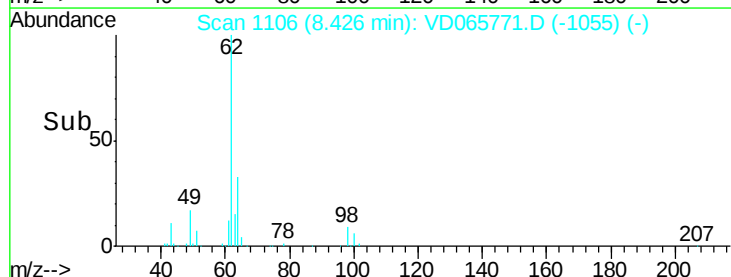
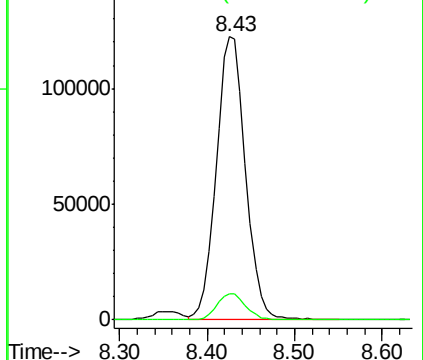
62 100

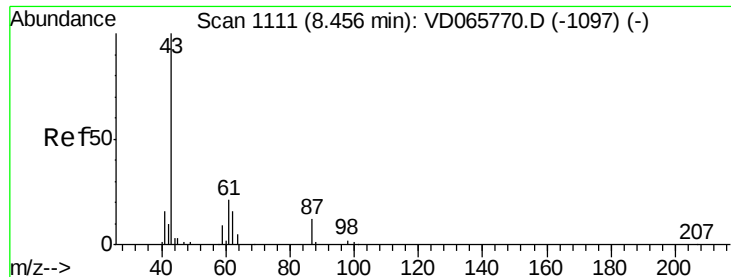
98 9.2 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 100.98 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

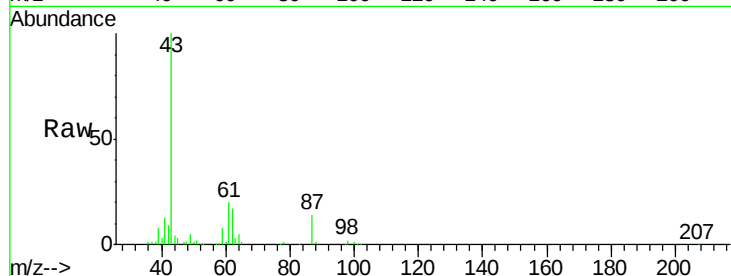
Tgt Ion: 43 Resp: 279897

Ion Ratio Lower Upper

43 100

61 29.1 24.2 36.4

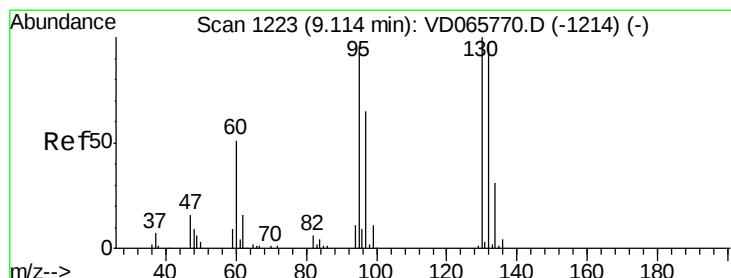
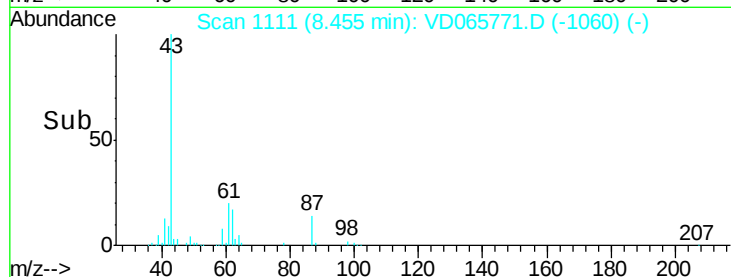
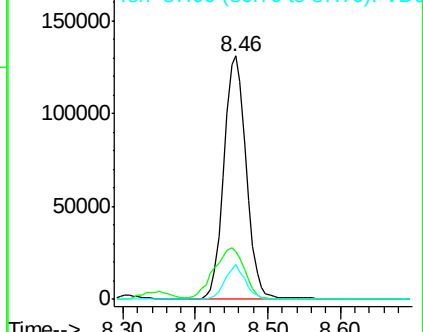
87 12.9 9.5 14.3



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: 95.85 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065771.D

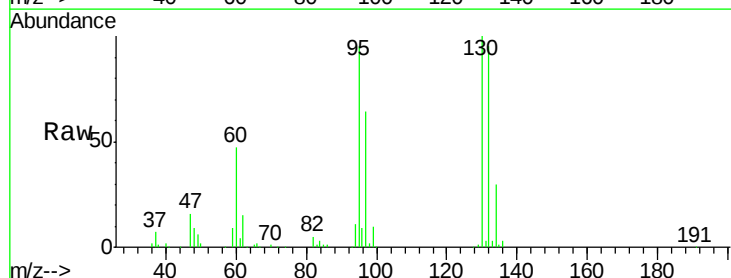
Acq: 05 Jun 2020 12:18

Tgt Ion: 130 Resp: 261293

Ion Ratio Lower Upper

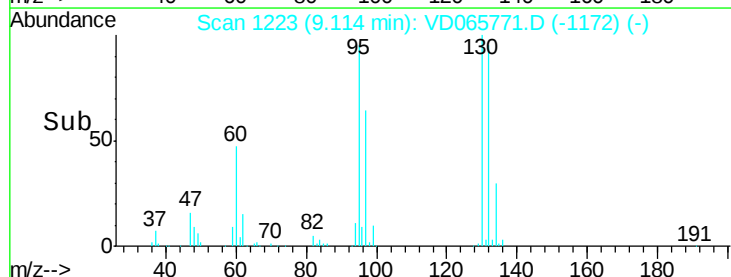
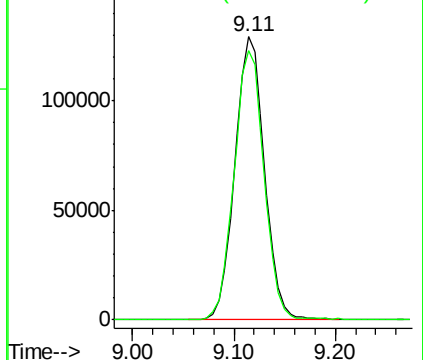
130 100

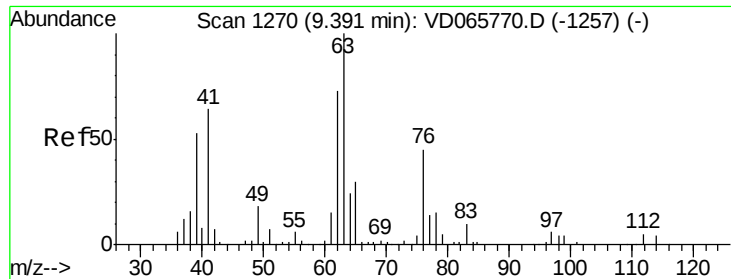
95 95.3 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 94.56 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

Instrument :

MSVOA_D

ClientSampleId :

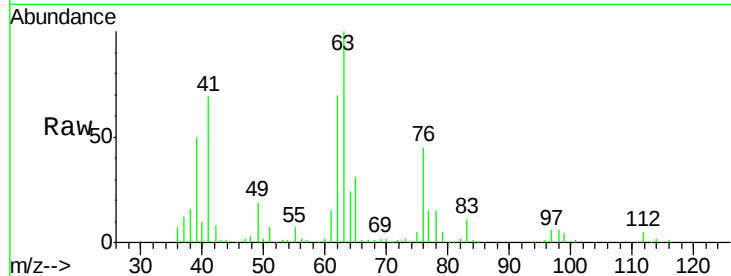
VSTDIC100

Tgt Ion: 63 Resp: 234645

Ion Ratio Lower Upper

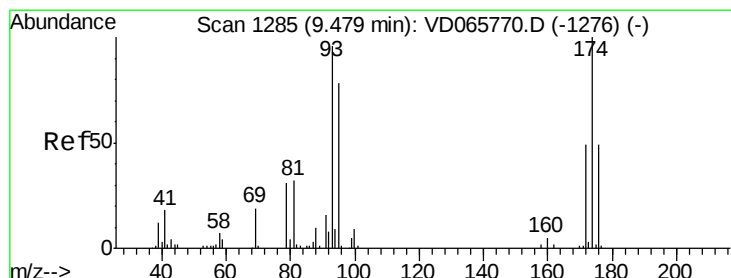
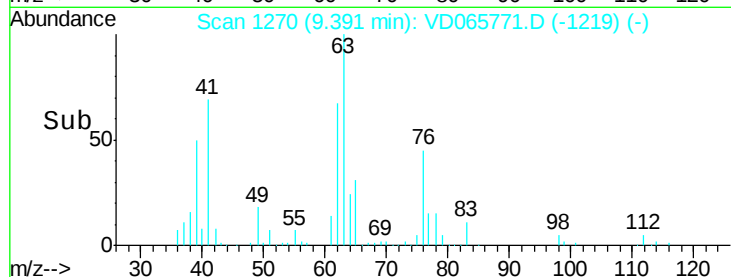
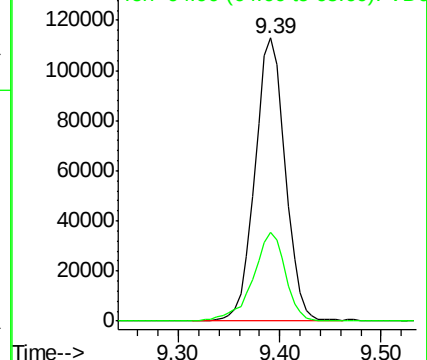
63 100

65 31.2 24.2 36.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 96.26 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

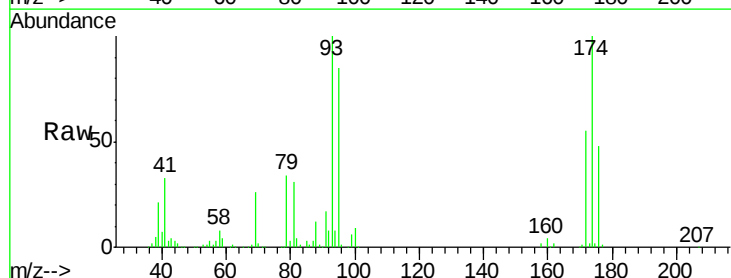
Tgt Ion: 93 Resp: 128810

Ion Ratio Lower Upper

93 100

95 83.3 65.8 98.6

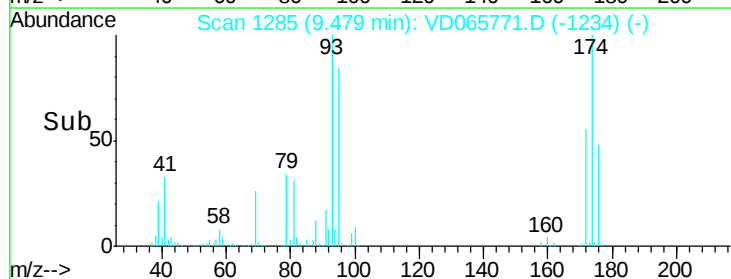
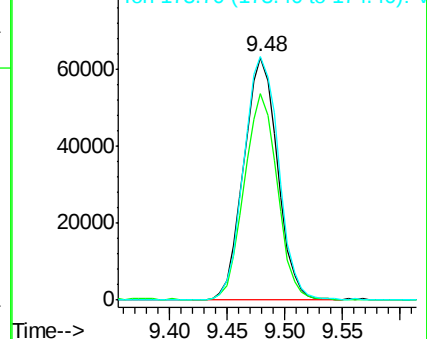
174 103.5 80.9 121.3

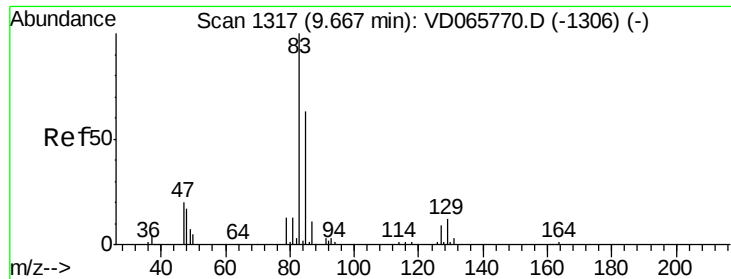


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 94.76 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

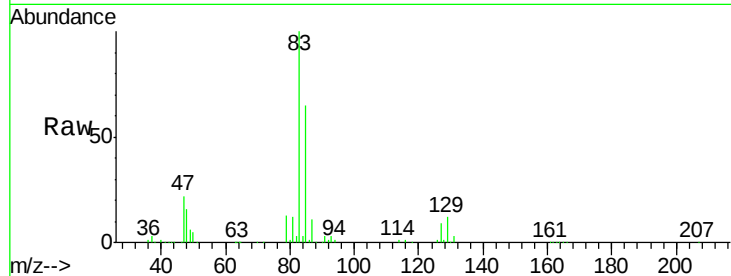
Tgt Ion: 83 Resp: 341470

Ion Ratio Lower Upper

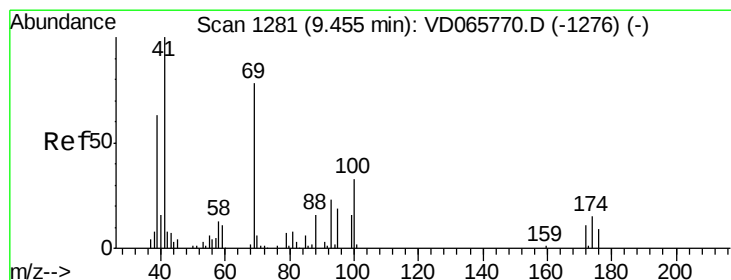
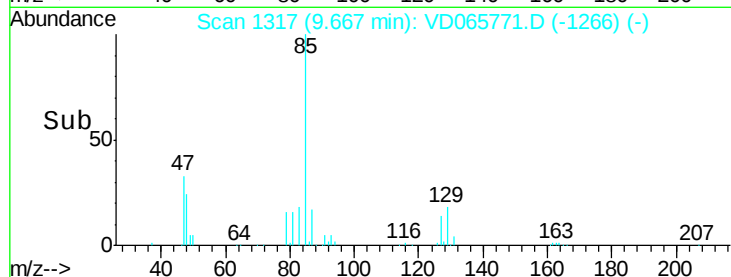
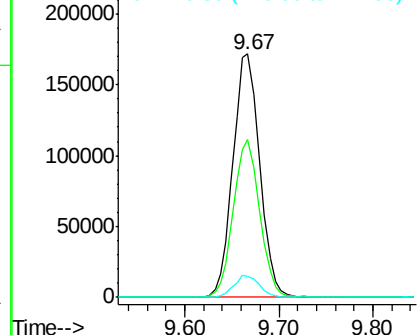
83 100

85 64.8 50.7 76.1

127 8.7 7.1 10.7



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



#48

Methyl methacrylate

Concen: 94.30 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

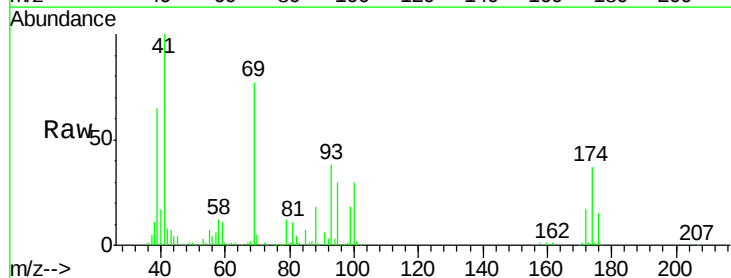
Tgt Ion: 41 Resp: 127928

Ion Ratio Lower Upper

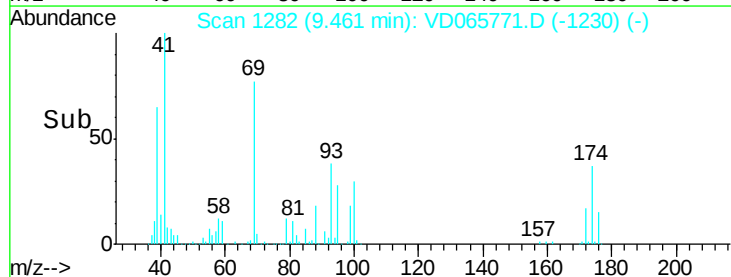
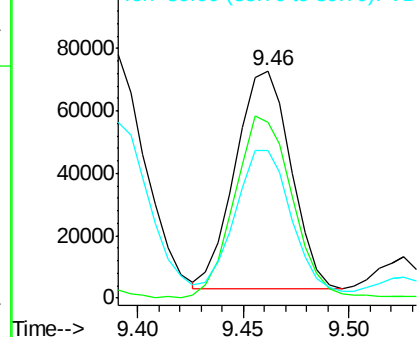
41 100

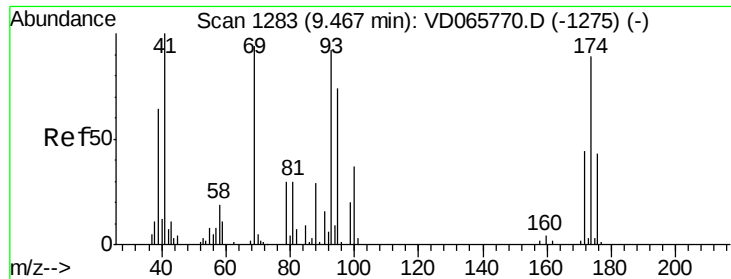
69 85.5 60.9 91.3

39 64.4 48.1 72.1



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





#49

1,4-Dioxane

Concen: 2045.83 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

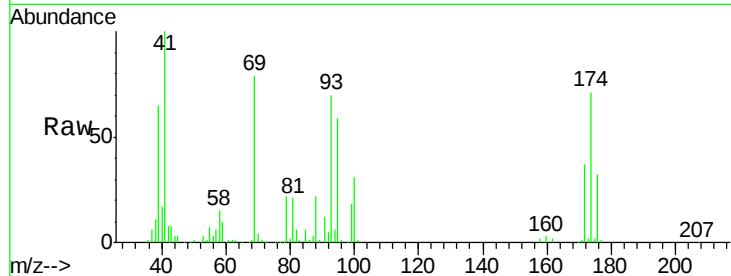
Tgt Ion: 88 Resp: 28772

Ion Ratio Lower Upper

88 100

43 34.3 32.2 48.4

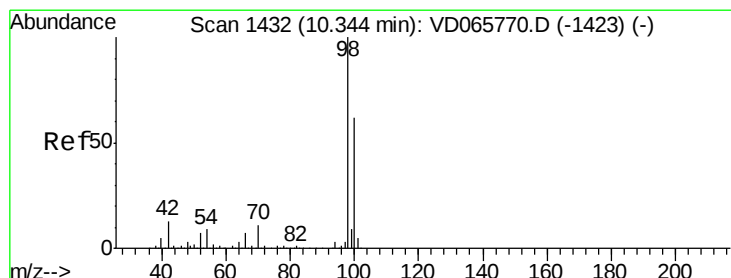
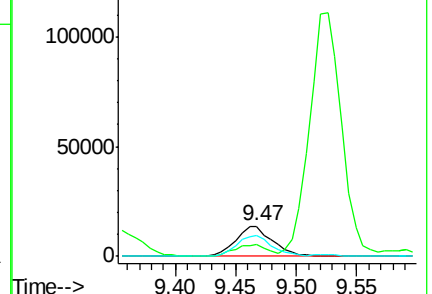
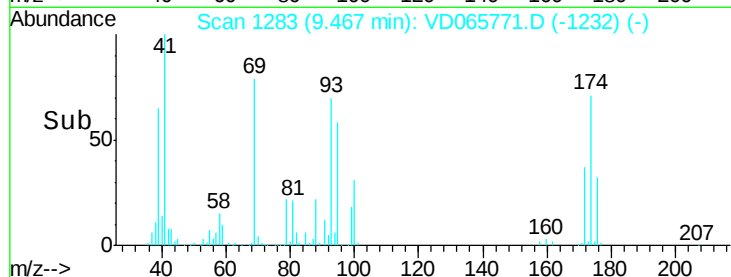
58 67.7 54.9 82.3



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: 109.82 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065771.D

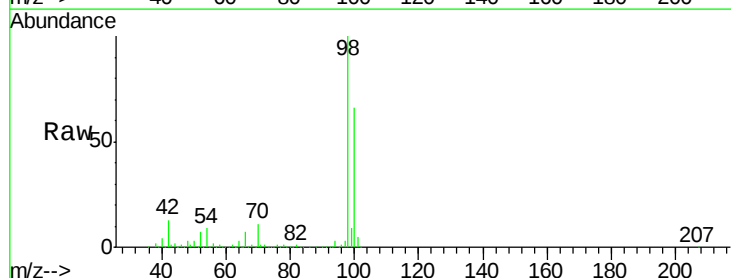
Acq: 05 Jun 2020 12:18

Tgt Ion: 98 Resp: 935862

Ion Ratio Lower Upper

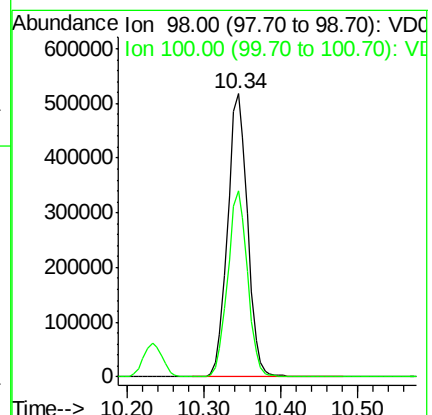
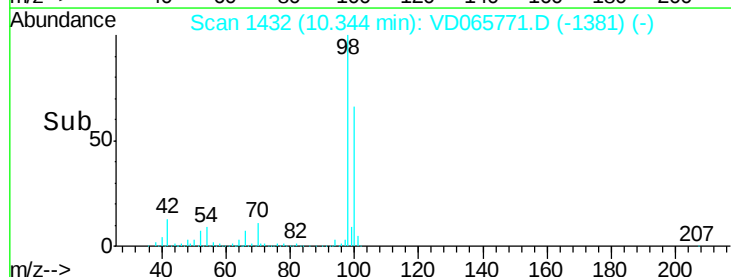
98 100

100 65.6 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

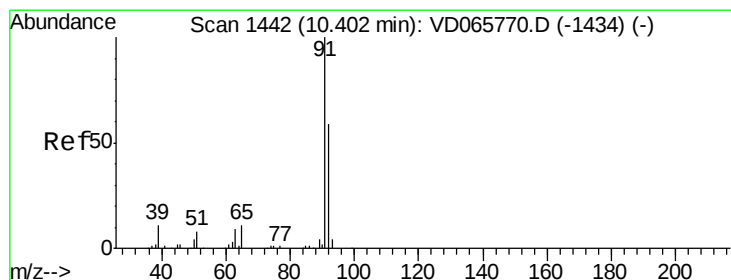
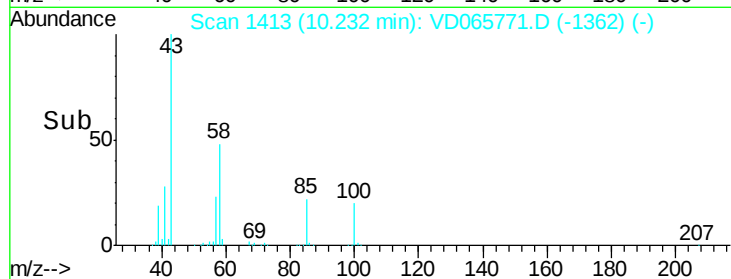
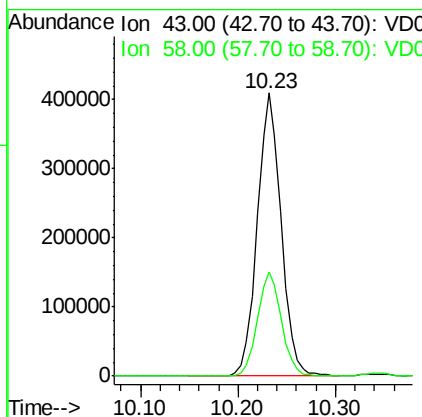
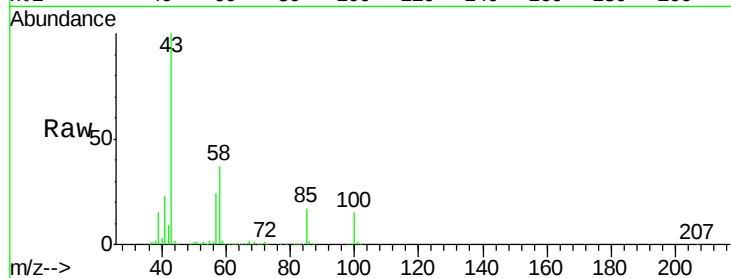




#51
 4-Methyl-2-Pentanone
 Concen: 520.58 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD065771.D
 Acq: 05 Jun 2020 12:18

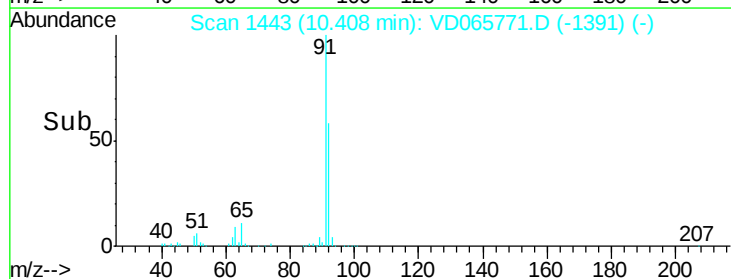
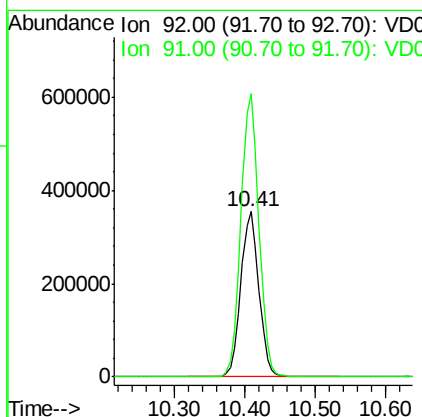
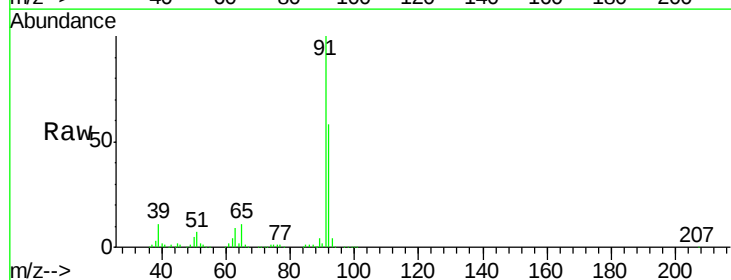
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

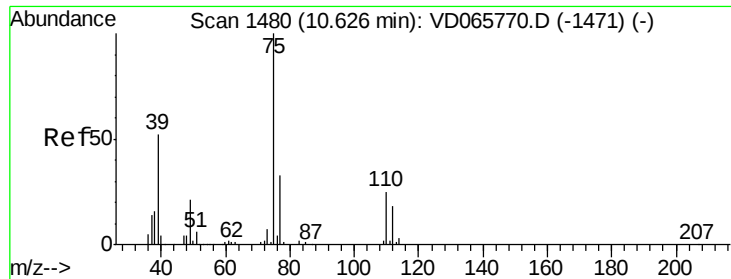
Tgt Ion: 43 Resp: 703411
 Ion Ratio Lower Upper
 43 100
 58 37.2 30.7 46.1



#52
 Toluene
 Concen: 100.09 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: VD065771.D
 Acq: 05 Jun 2020 12:18

Tgt Ion: 92 Resp: 629357
 Ion Ratio Lower Upper
 92 100
 91 171.3 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 102.95 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

Instrument :

MSVOA_D

ClientSampleId :

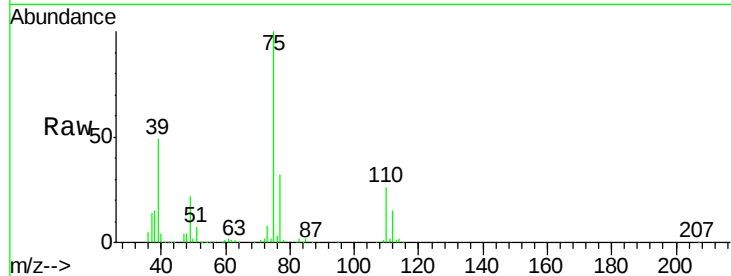
VSTDIC100

Tgt Ion: 75 Resp: 326883

Ion Ratio Lower Upper

75 100

77 31.9 26.4 39.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

200000

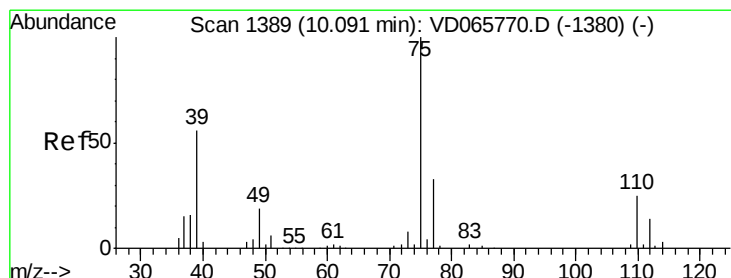
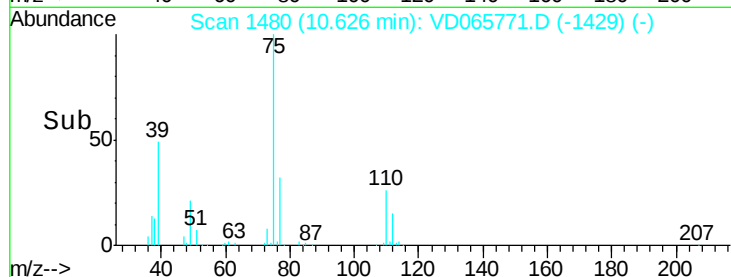
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 102.36 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

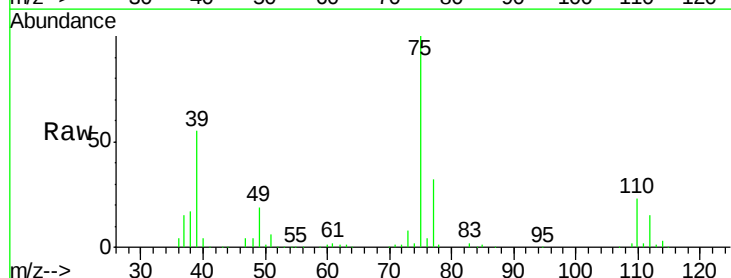
Tgt Ion: 75 Resp: 385087

Ion Ratio Lower Upper

75 100

77 31.7 26.0 39.0

39 54.8 45.0 67.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.09

250000

200000

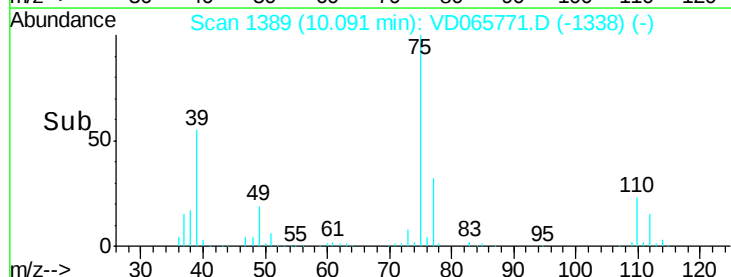
150000

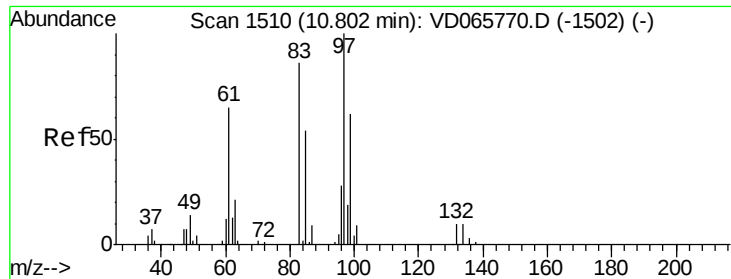
100000

50000

0

Time-->

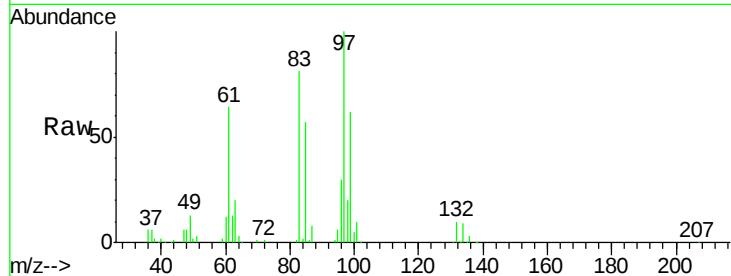




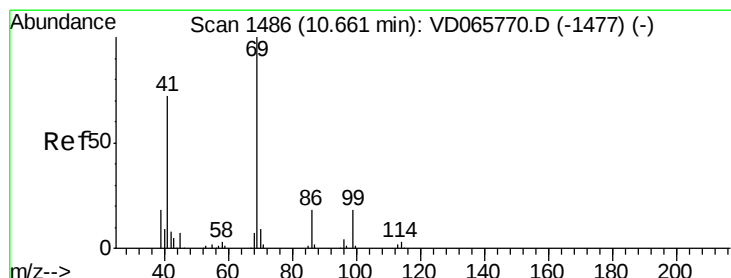
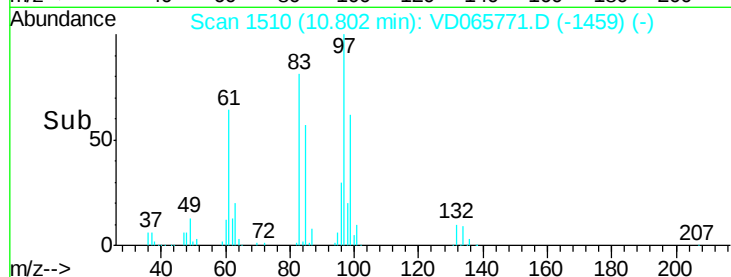
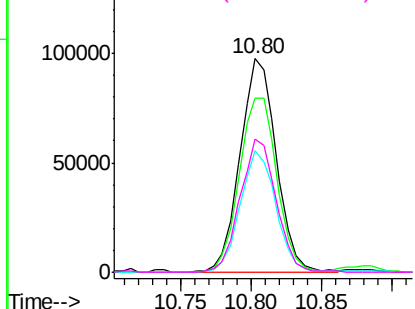
#55
 1,1,2-Trichloroethane
 Concen: 98.73 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065771.D
 Acq: 05 Jun 2020 12:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 97 Resp: 175483
 Ion Ratio Lower Upper
 97 100
 83 81.3 68.7 103.1
 85 56.6 43.0 64.6
 99 62.1 49.8 74.6

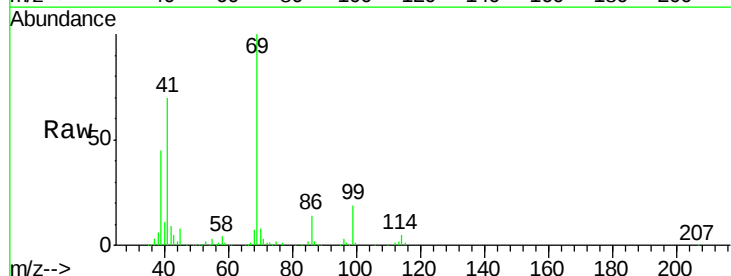


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

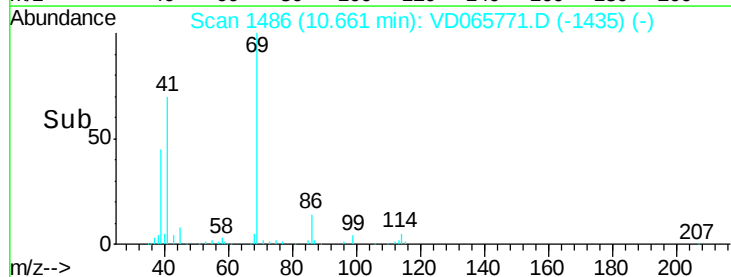
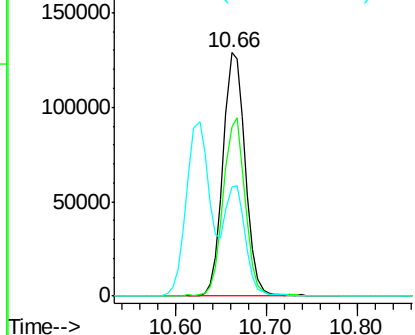


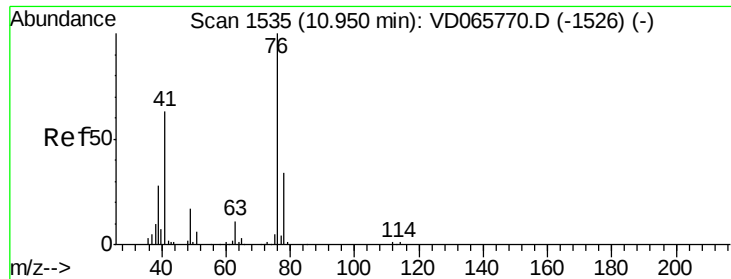
#56
 Ethyl methacrylate
 Concen: 109.07 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD065771.D
 Acq: 05 Jun 2020 12:18

Tgt Ion: 69 Resp: 219716
 Ion Ratio Lower Upper
 69 100
 41 72.3 56.9 85.3
 39 40.0 36.0 54.0



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

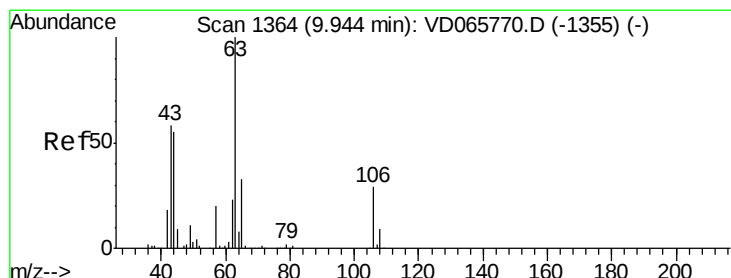
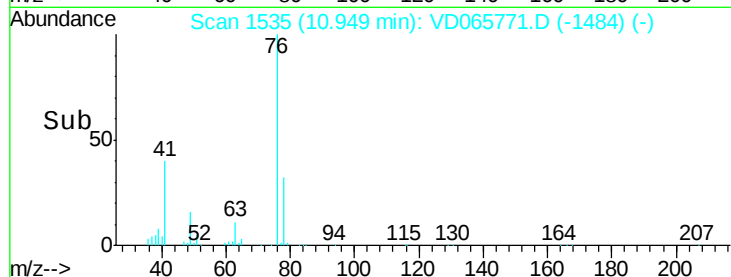
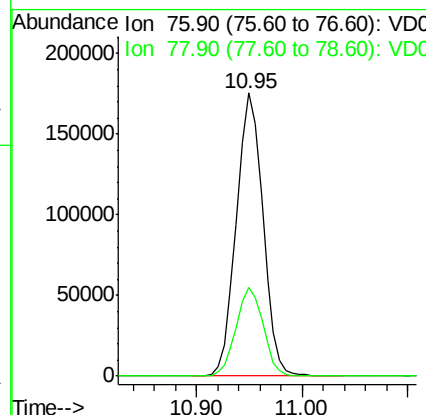
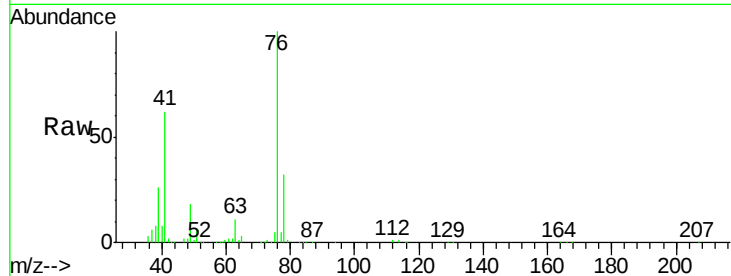




#57
 1,3-Dichloropropane
 Concen: 99.26 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065771.D
 Acq: 05 Jun 2020 12:18

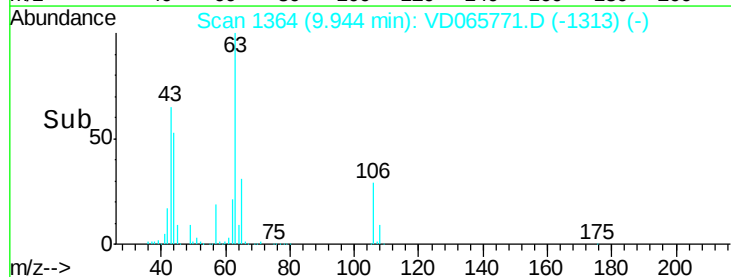
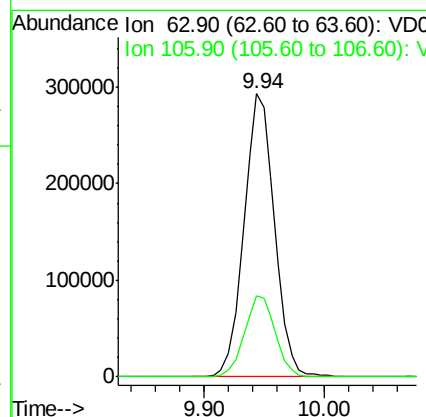
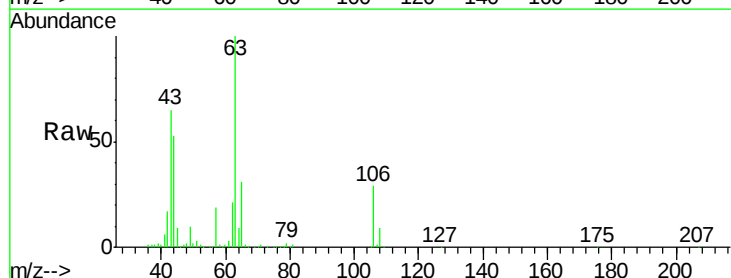
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

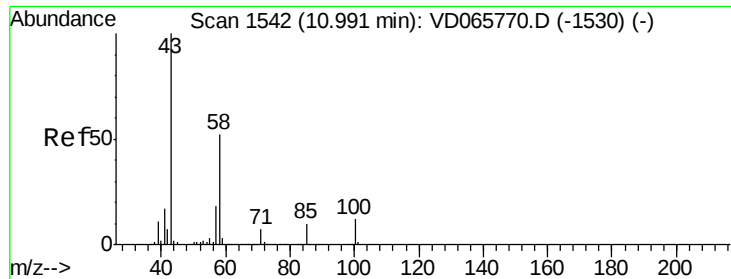
Tgt Ion: 76 Resp: 305601
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 546.42 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065771.D
 Acq: 05 Jun 2020 12:18

Tgt Ion: 63 Resp: 515966
 Ion Ratio Lower Upper
 63 100
 106 29.0 23.2 34.8

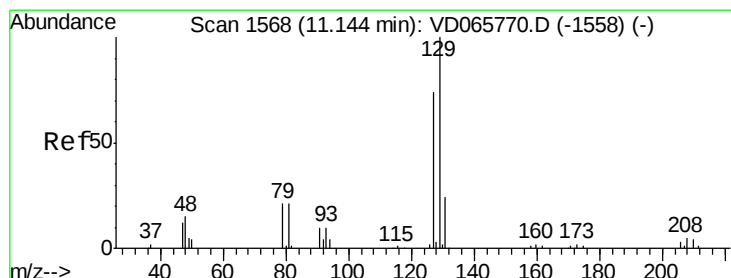
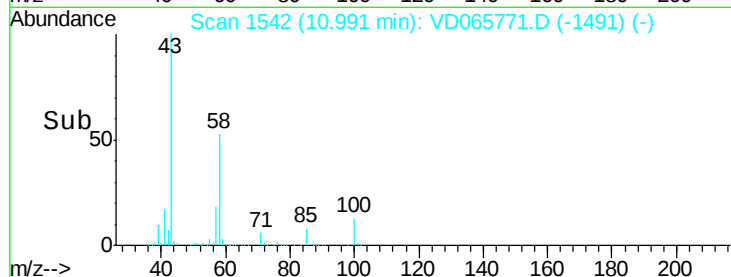
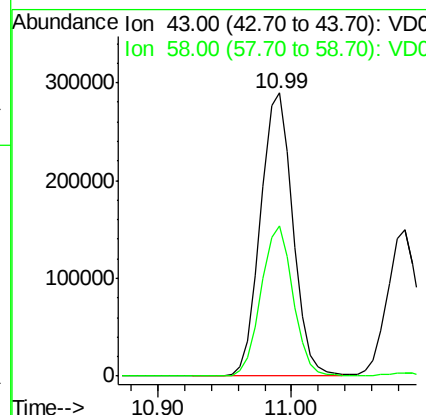
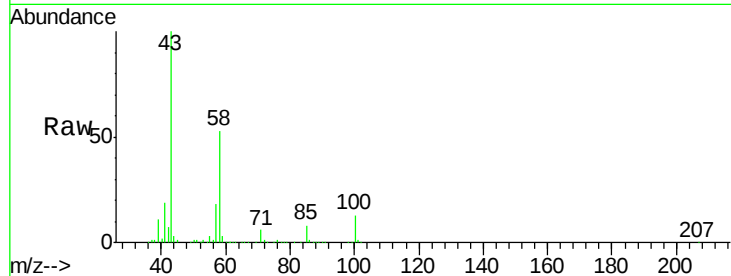




#59
2-Hexanone
Concen: 538.79 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065771.D
Acq: 05 Jun 2020 12:18

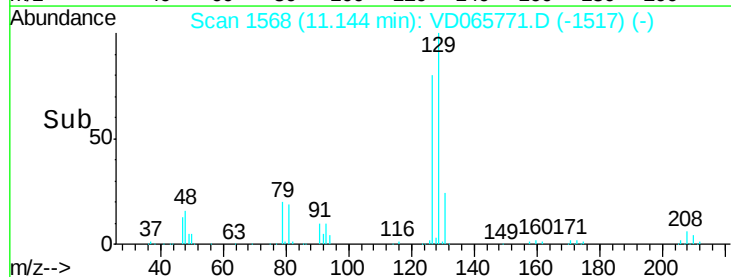
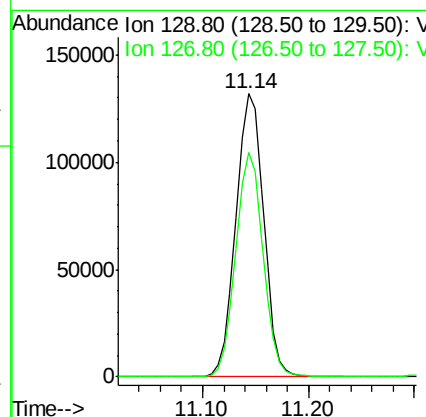
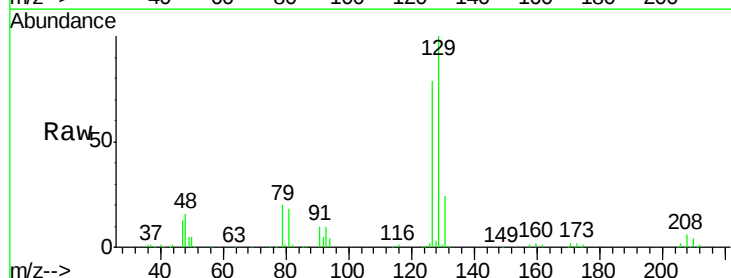
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

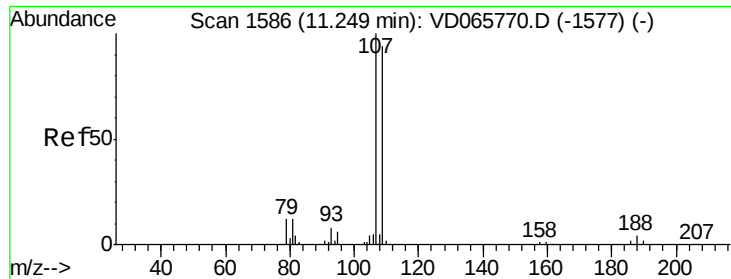
Tgt Ion: 43 Resp: 485220
Ion Ratio Lower Upper
43 100
58 52.7 25.7 77.0



#60
Dibromochloromethane
Concen: 100.25 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065771.D
Acq: 05 Jun 2020 12:18

Tgt Ion: 129 Resp: 239722
Ion Ratio Lower Upper
129 100
127 78.0 38.0 113.9

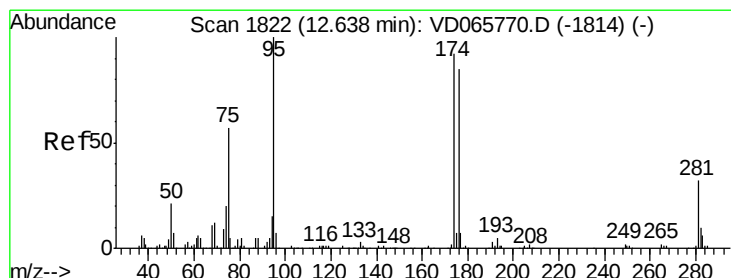
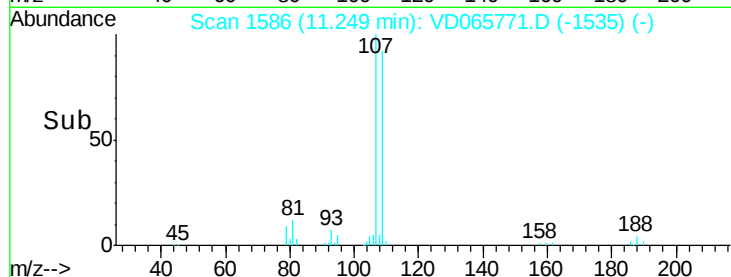
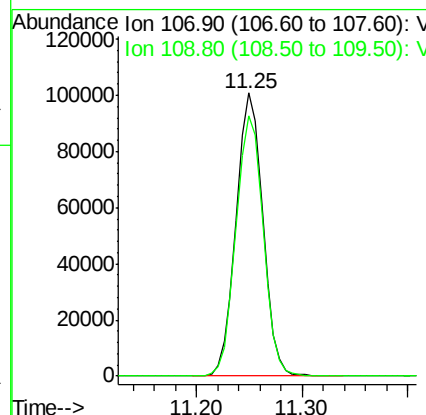
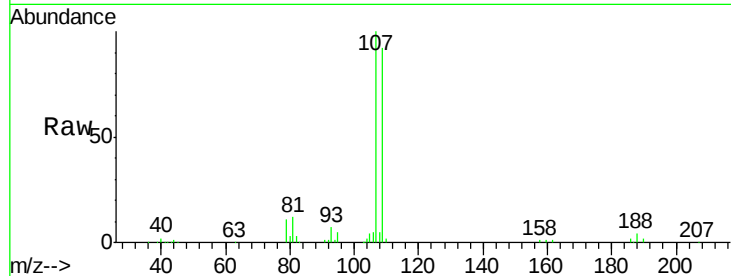




#61
 1,2-Dibromoethane
 Concen: 101.74 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065771.D
 Acq: 05 Jun 2020 12:18

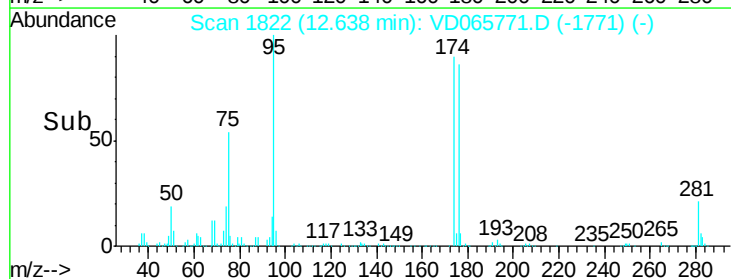
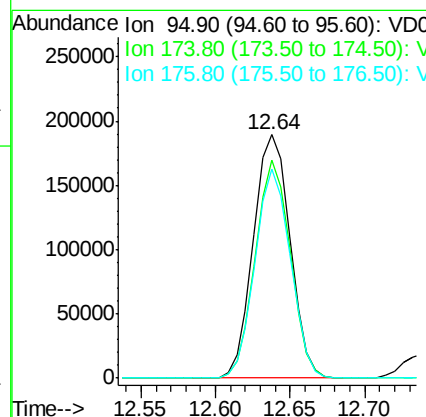
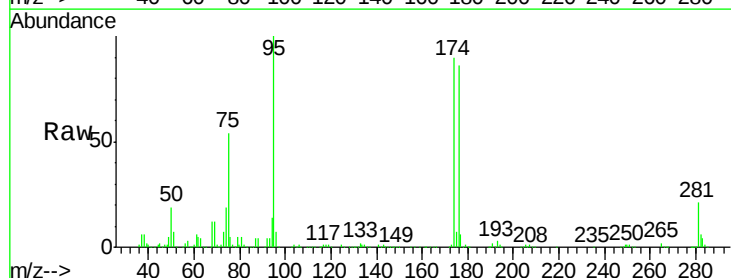
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

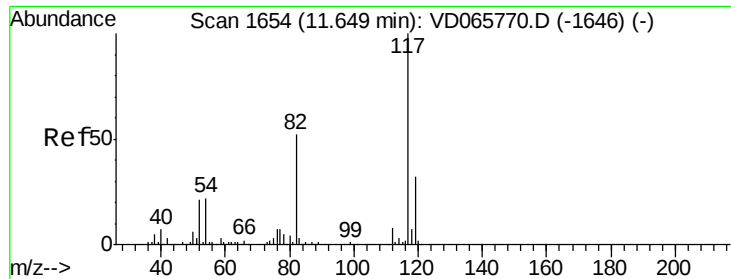
Tgt Ion: 107 Resp: 176127
 Ion Ratio Lower Upper
 107 100
 109 94.1 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 111.12 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065771.D
 Acq: 05 Jun 2020 12:18

Tgt Ion: 95 Resp: 321294
 Ion Ratio Lower Upper
 95 100
 174 85.7 0.0 175.2
 176 83.2 0.0 163.0

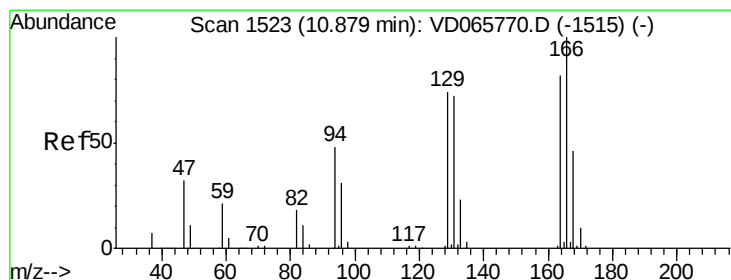
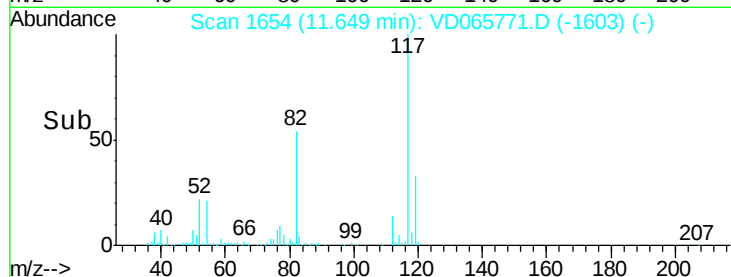
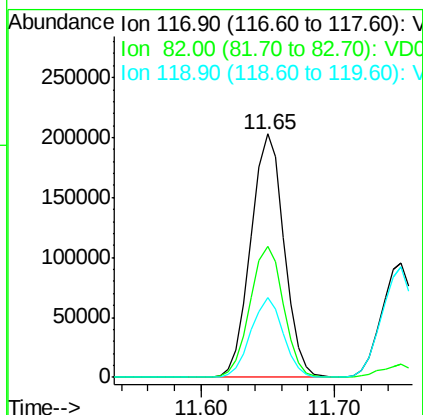
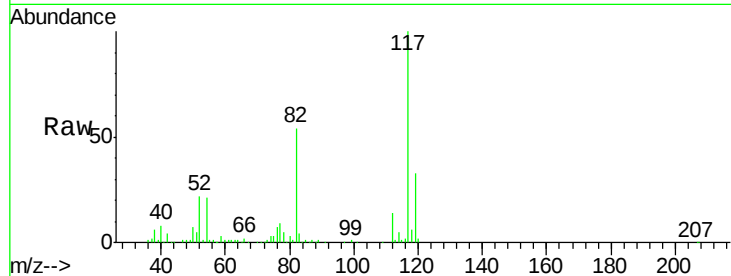




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065771.D
Acq: 05 Jun 2020 12:18

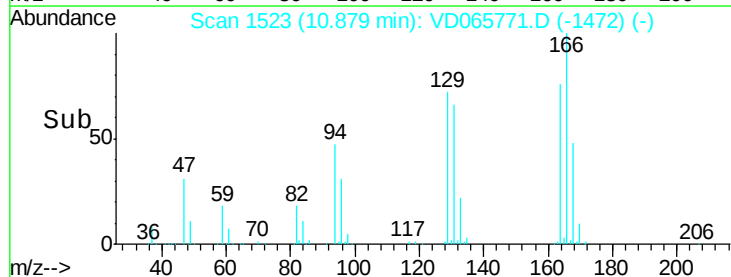
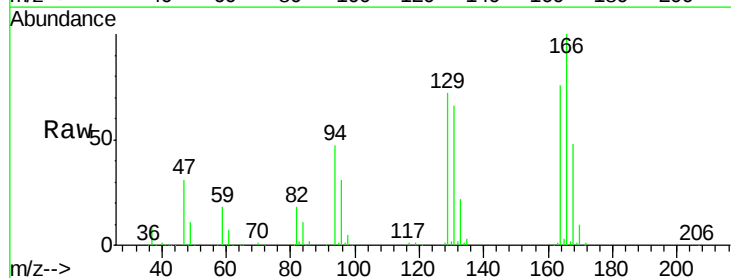
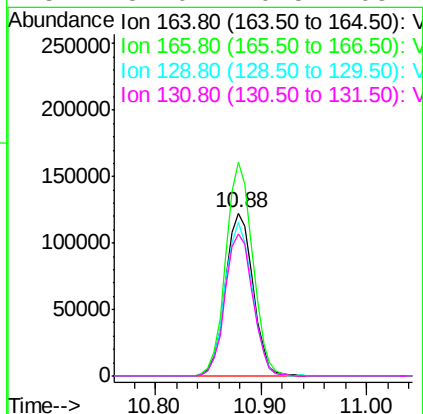
Instrument :
MSVOA_D
ClientSampled :
VSTDIC100

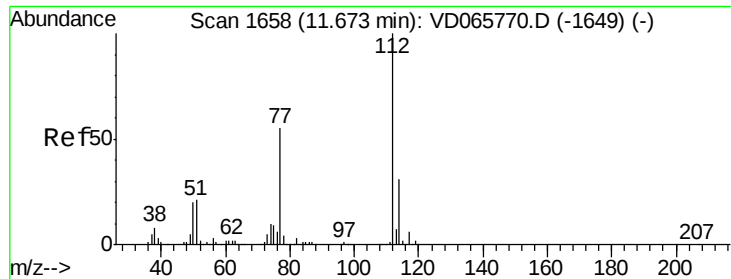
Tgt Ion:117 Resp: 349180
Ion Ratio Lower Upper
117 100
82 53.5 41.9 62.9
119 32.9 25.3 37.9



#64
Tetrachloroethene
Concen: 91.22 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065771.D
Acq: 05 Jun 2020 12:18

Tgt Ion:164 Resp: 220510
Ion Ratio Lower Upper
164 100
166 130.9 98.2 147.2
129 94.0 72.3 108.5
131 87.0 70.5 105.7





#65

Chlorobenzene

Concen: 95.53 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

Instrument :

MSVOA_D

ClientSampleId :

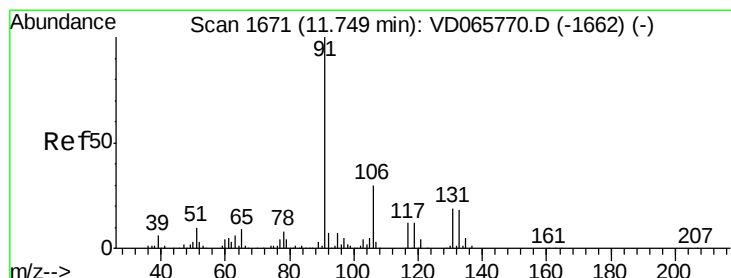
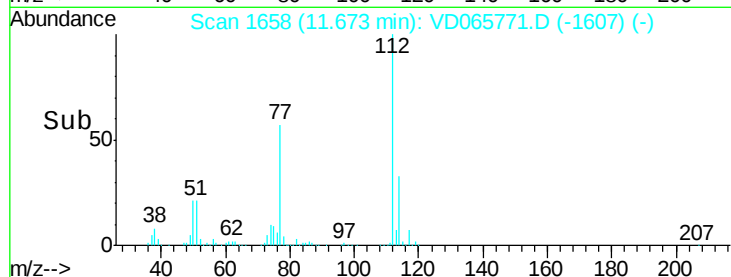
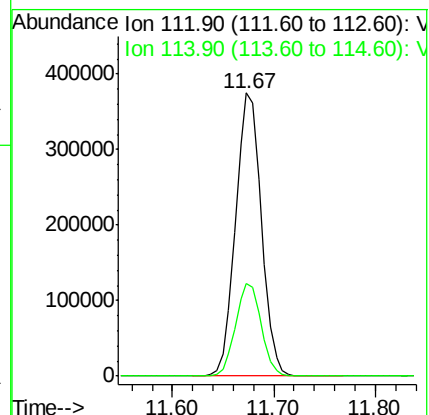
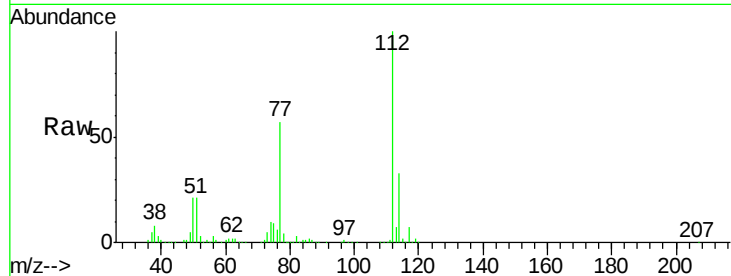
VSTDIC100

Tgt Ion:112 Resp: 660002

Ion Ratio Lower Upper

112 100

114 32.6 24.7 37.1



#66

1,1,1,2-Tetrachloroethane

Concen: 97.91 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

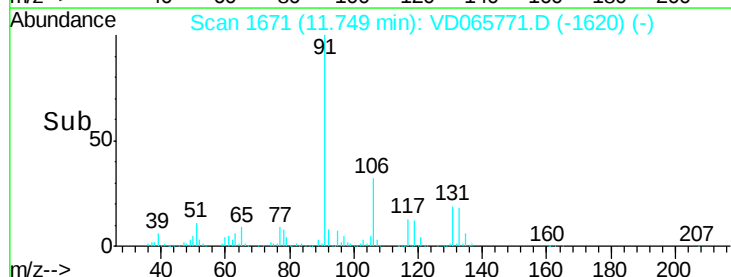
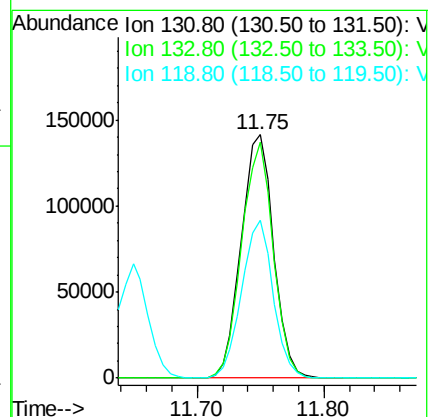
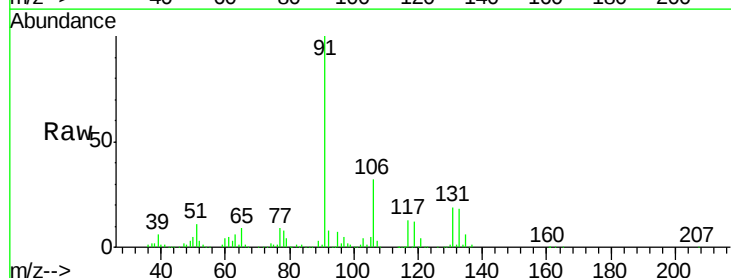
Tgt Ion:131 Resp: 250567

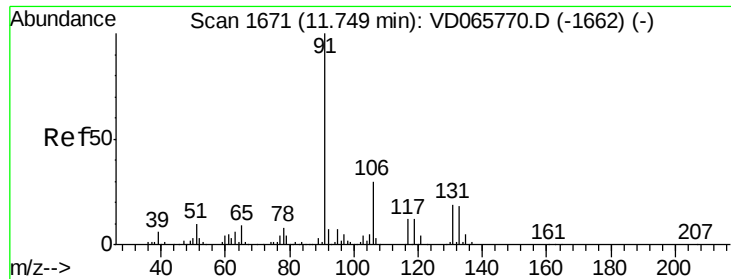
Ion Ratio Lower Upper

131 100

133 94.6 47.3 141.9

119 63.1 31.6 94.8

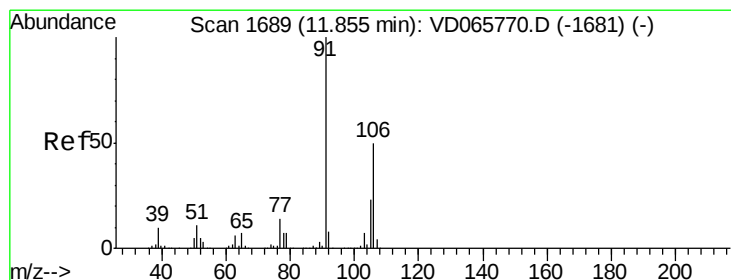
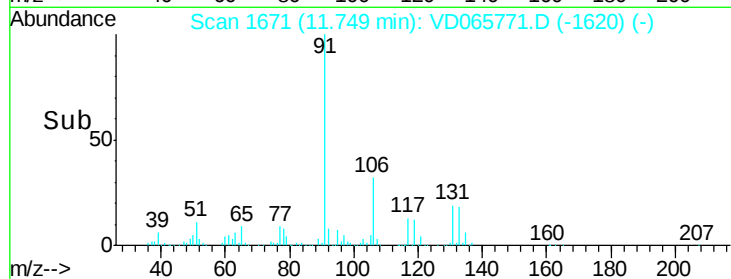
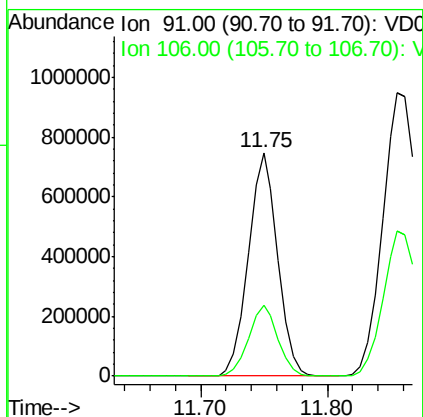
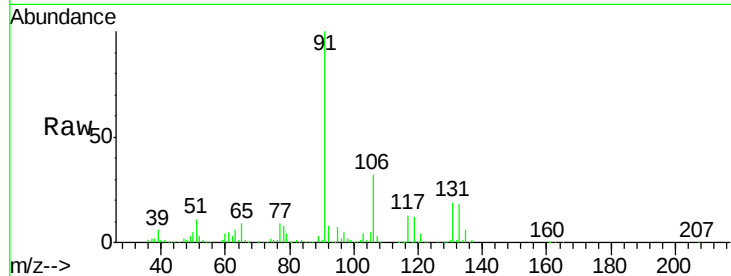




#67
Ethyl Benzene
Concen: 98.00 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065771.D
Acq: 05 Jun 2020 12:18

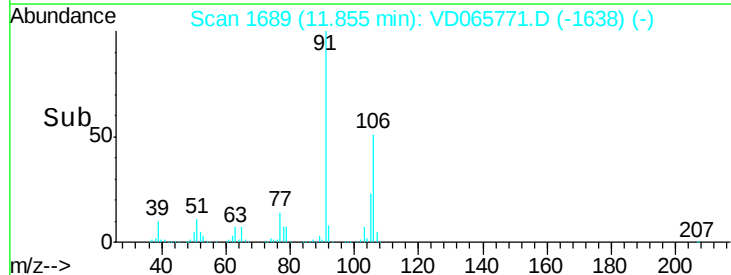
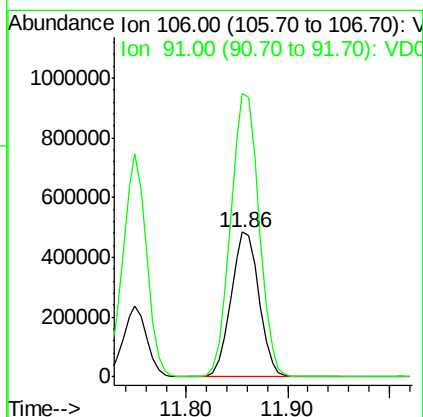
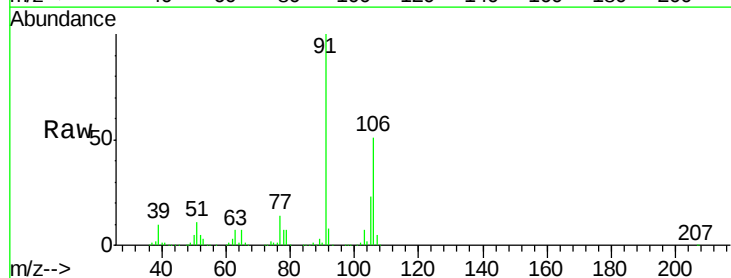
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

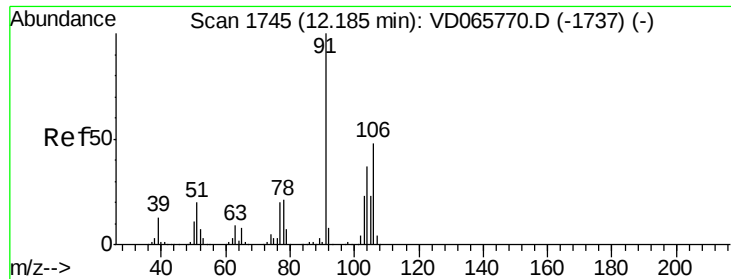
Tgt Ion: 91 Resp: 1197095
Ion Ratio Lower Upper
91 100
106 31.6 24.1 36.1



#68
m/p-Xylenes
Concen: 197.01 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD065771.D
Acq: 05 Jun 2020 12:18

Tgt Ion: 106 Resp: 926444
Ion Ratio Lower Upper
106 100
91 198.5 159.4 239.2

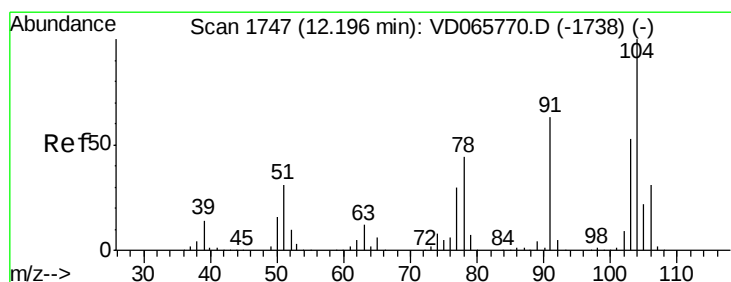
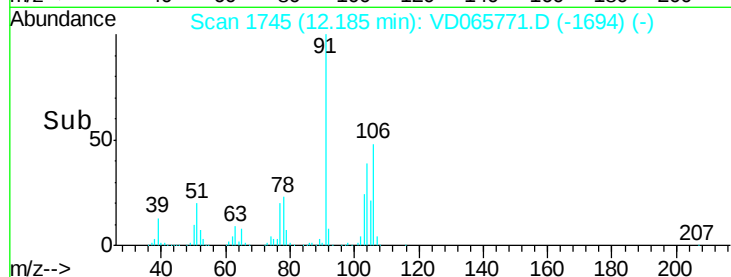
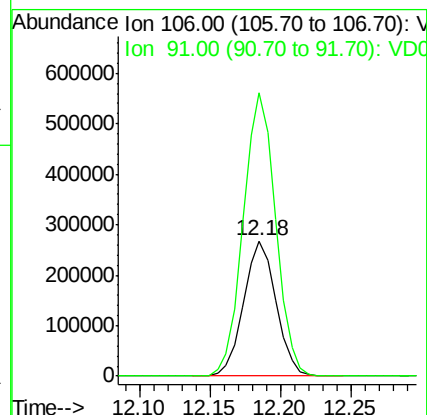
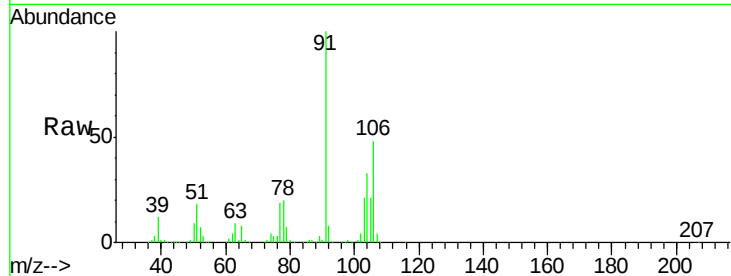




#69
o-Xylene
Concen: 103.11 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065771.D
Acq: 05 Jun 2020 12:18

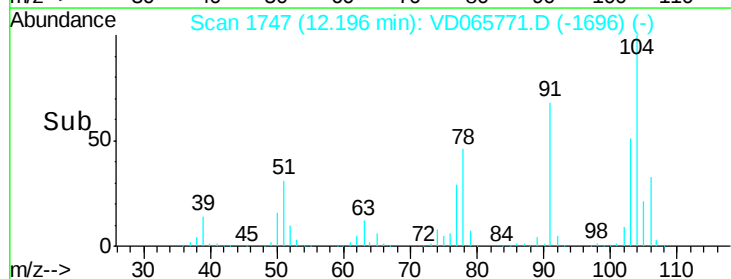
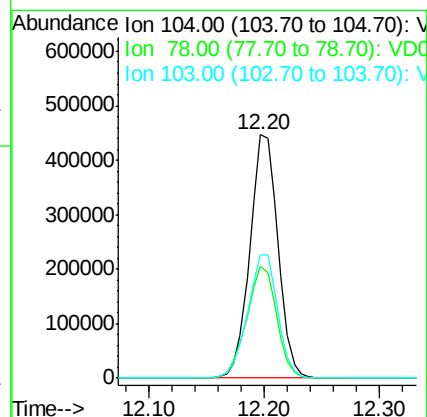
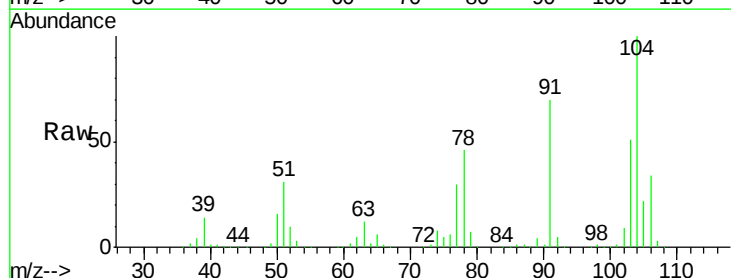
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

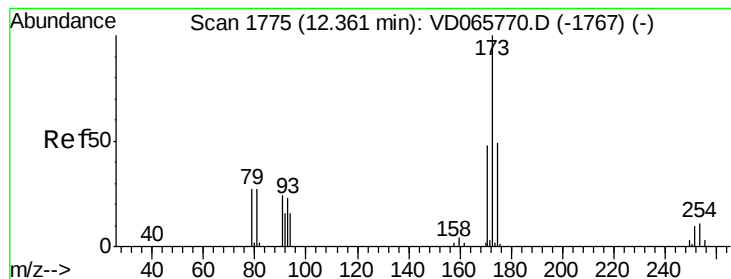
Tgt Ion:106 Resp: 430307
Ion Ratio Lower Upper
106 100
91 209.2 105.3 315.8



#70
Styrene
Concen: 104.64 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065771.D
Acq: 05 Jun 2020 12:18

Tgt Ion:104 Resp: 754424
Ion Ratio Lower Upper
104 100
78 49.0 38.6 58.0
103 54.3 43.9 65.9





#71

Bromoform

Concen: 100.75 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

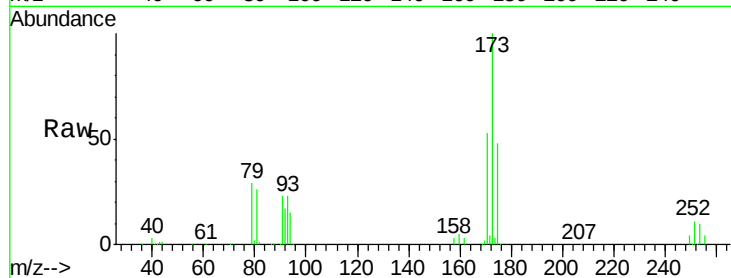
Tgt Ion:173 Resp: 140872

Ion Ratio Lower Upper

173 100

175 48.0 24.8 74.4

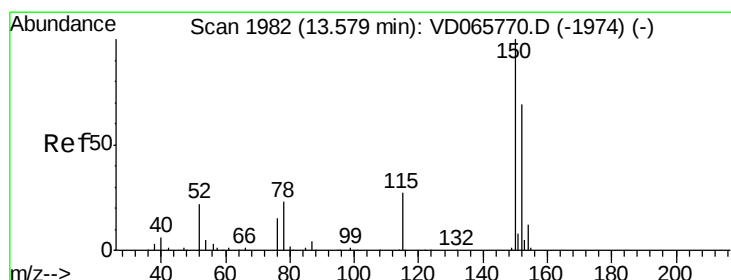
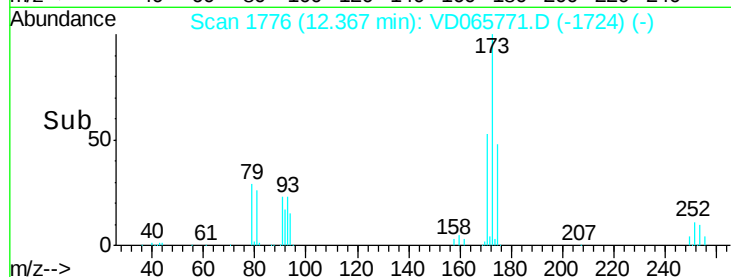
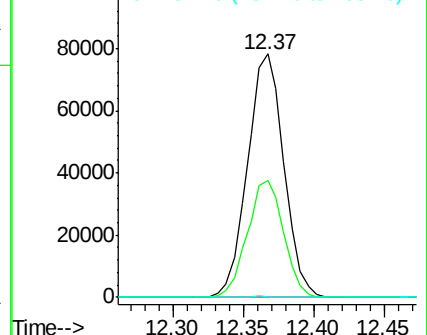
254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

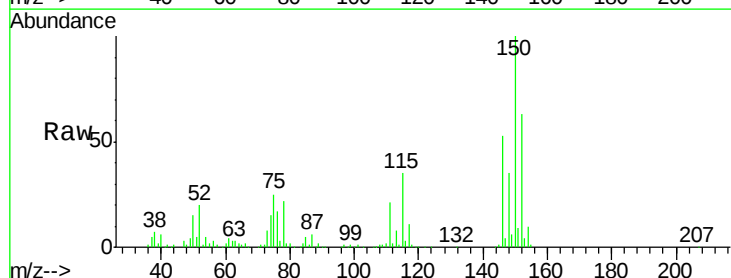
Tgt Ion:152 Resp: 178418

Ion Ratio Lower Upper

152 100

115 55.9 28.7 86.1

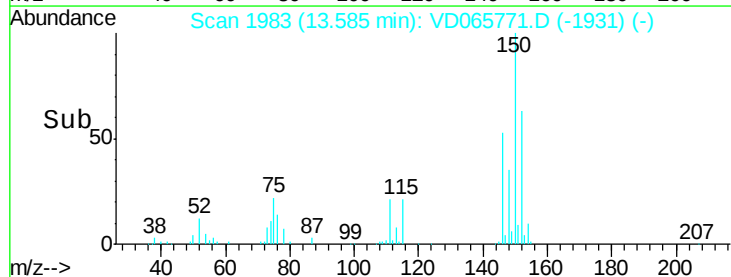
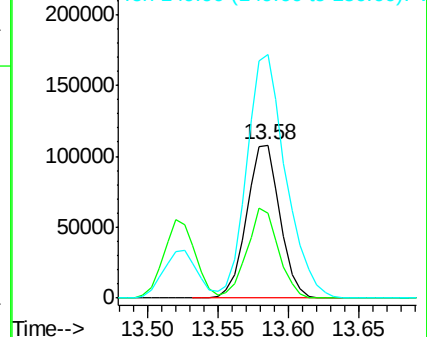
150 184.8 0.0 348.0

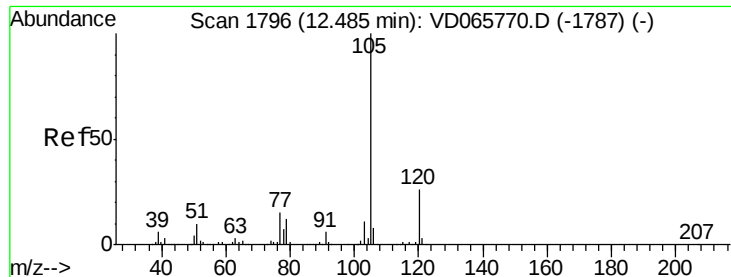


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 96.69 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

Instrument :

MSVOA_D

ClientSampleId :

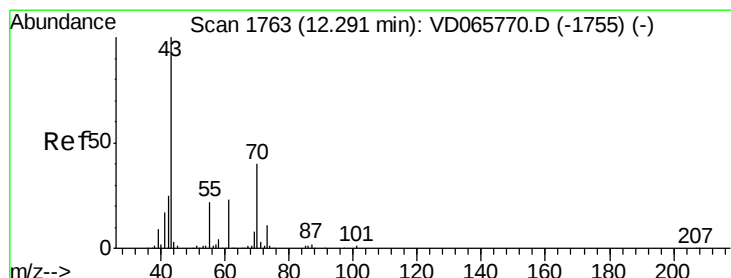
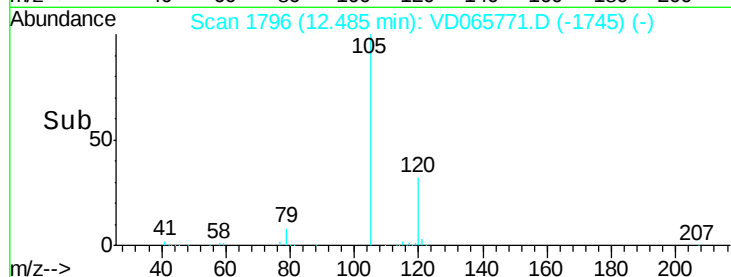
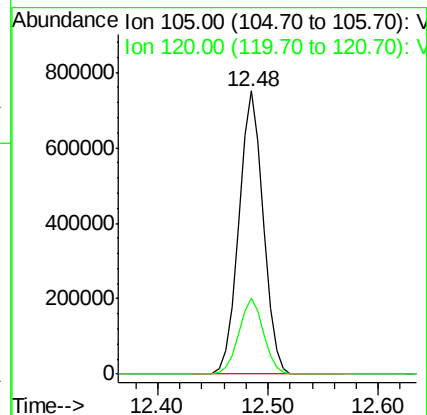
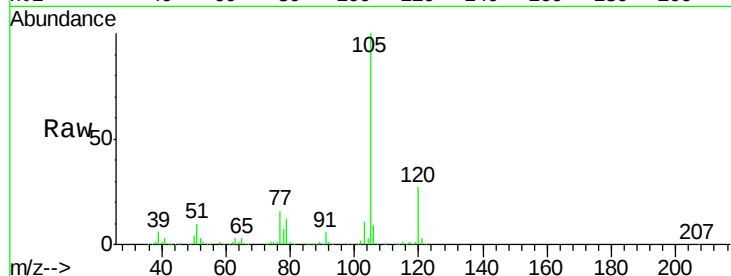
VSTDIC100

Tgt Ion: 105 Resp: 1162041

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.5



#74

N-ethyl acetate

Concen: 99.53 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

Tgt Ion: 43 Resp: 265339

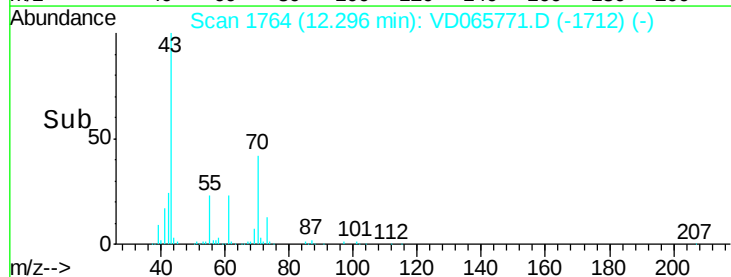
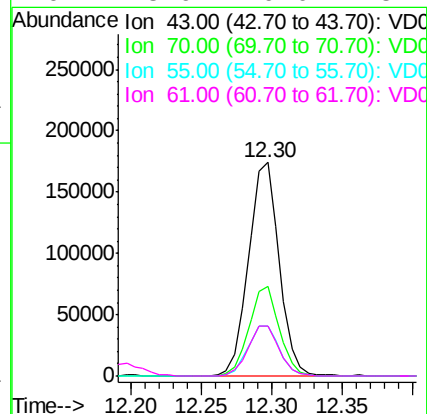
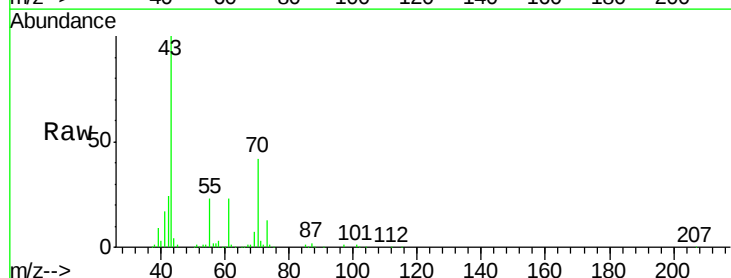
Ion Ratio Lower Upper

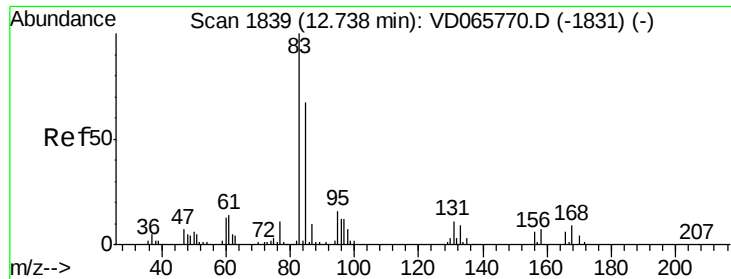
43 100

70 41.4 32.3 48.5

55 24.2 19.0 28.4

61 23.9 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 90.89 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

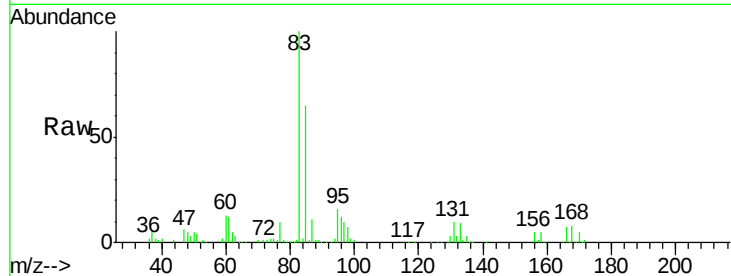
Tgt Ion: 83 Resp: 189863

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.4

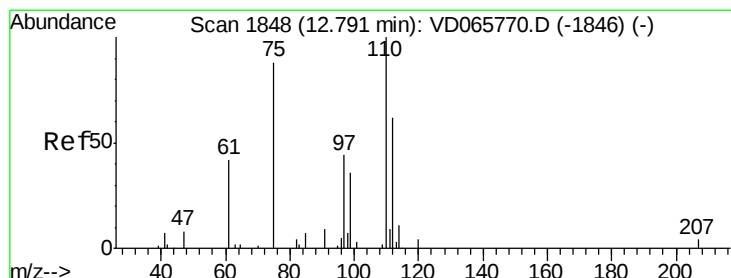
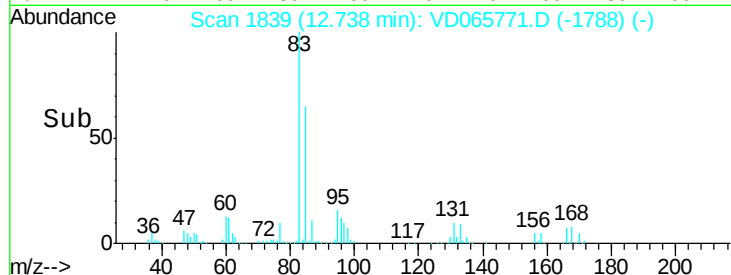
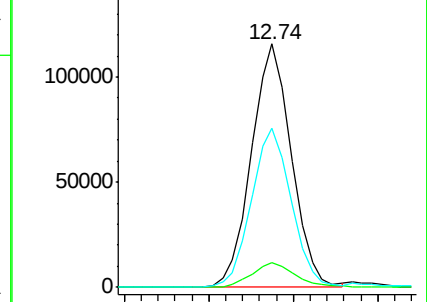
85 65.3 32.5 97.5



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: 181.96 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065771.D

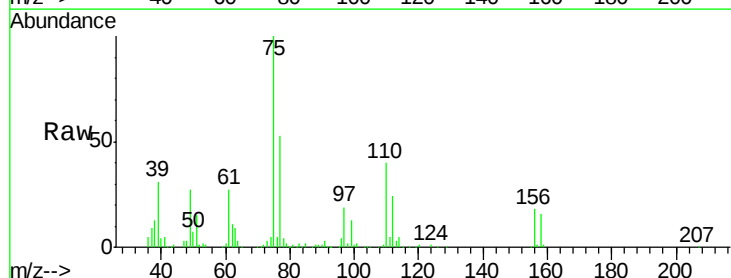
Acq: 05 Jun 2020 12:18

Tgt Ion: 75 Resp: 254310

Ion Ratio Lower Upper

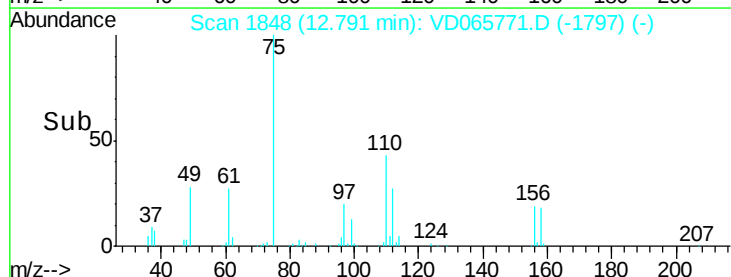
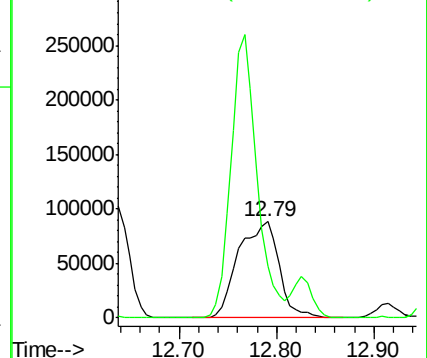
75 100

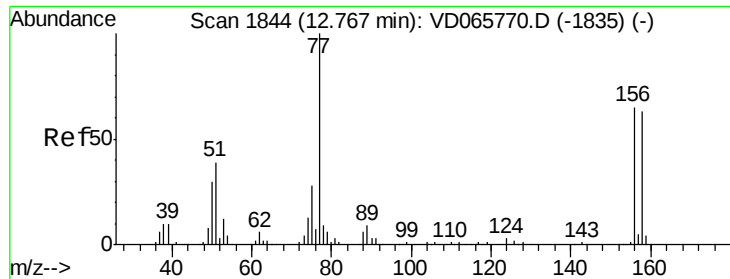
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 97.43 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

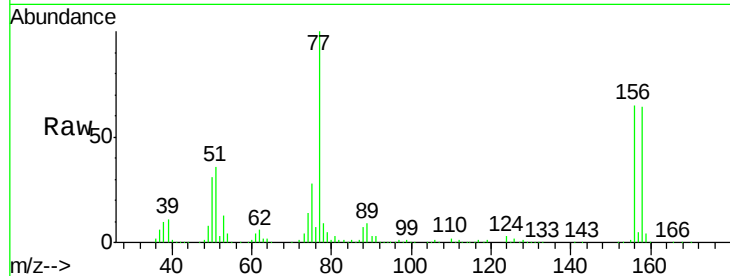
Tgt Ion:156 Resp: 277632

Ion Ratio Lower Upper

156 100

77 173.7 87.3 261.8

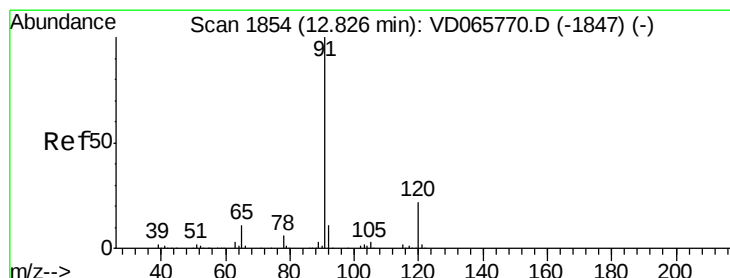
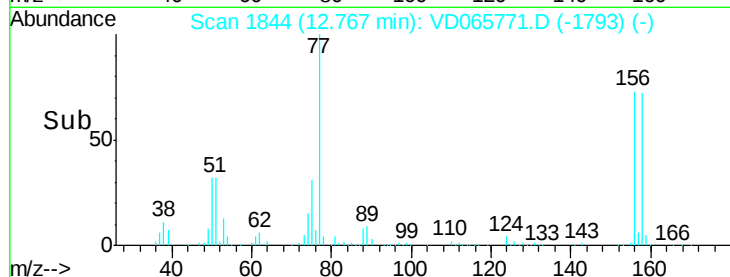
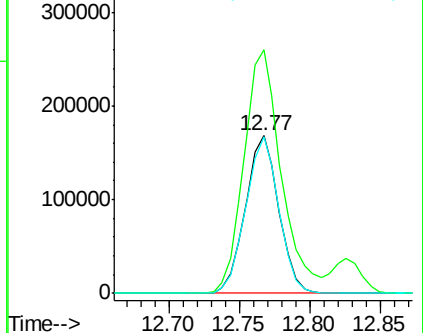
158 98.7 48.0 144.0



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: 95.41 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065771.D

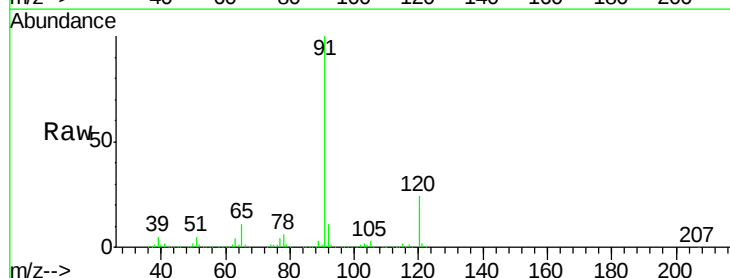
Acq: 05 Jun 2020 12:18

Tgt Ion: 91 Resp: 1391464

Ion Ratio Lower Upper

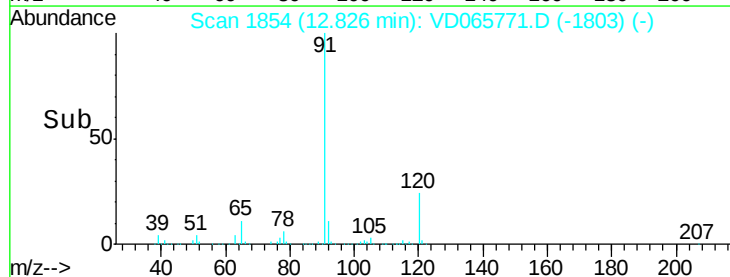
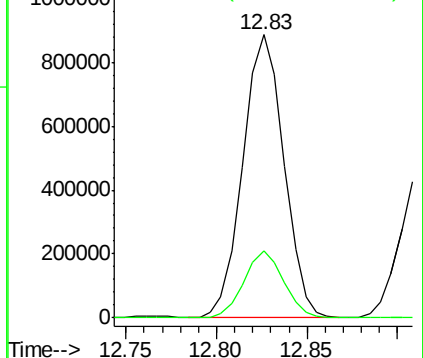
91 100

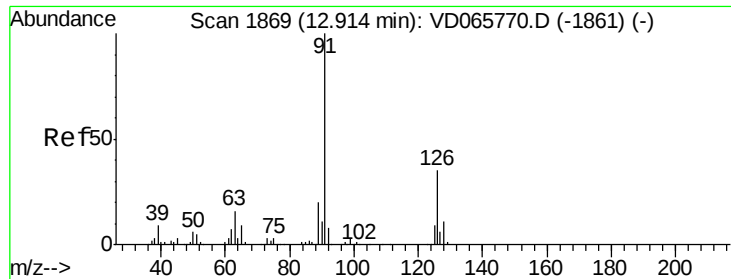
120 22.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

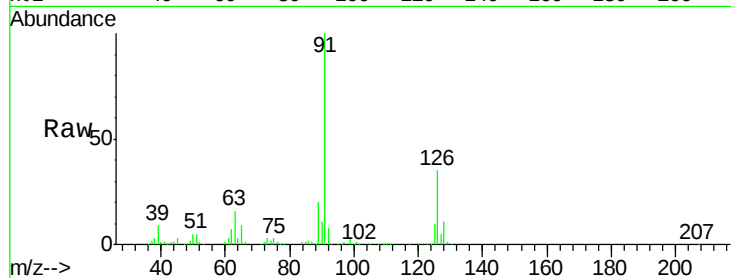




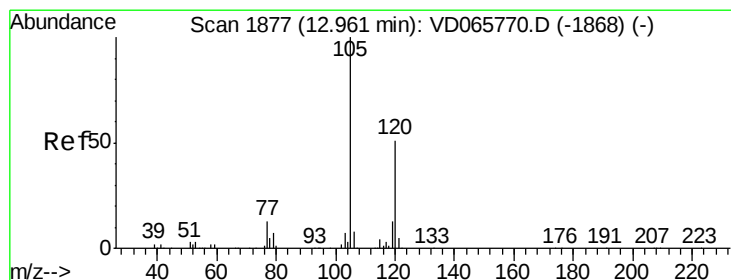
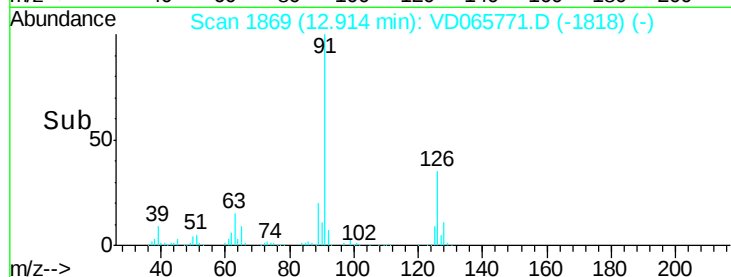
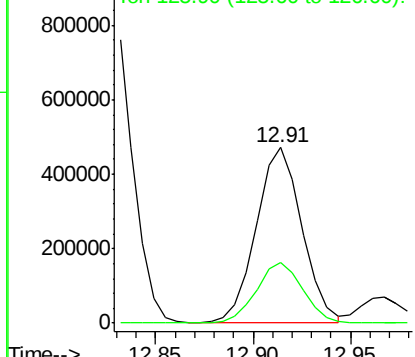
#79
 2-Chlorotoluene
 Concen: 95.67 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065771.D
 Acq: 05 Jun 2020 12:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 91 Resp: 765904
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.5 52.6

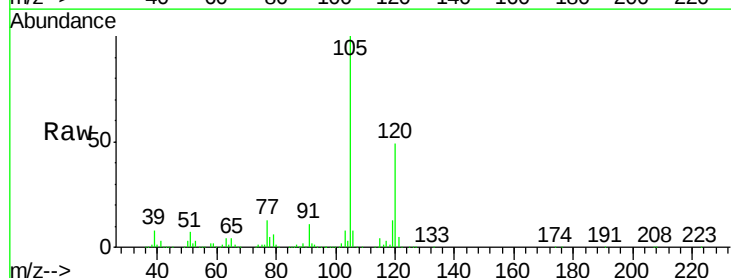


Abundance Ion 91.00 (90.70 to 91.70): VD
 Ion 125.90 (125.60 to 126.60): V

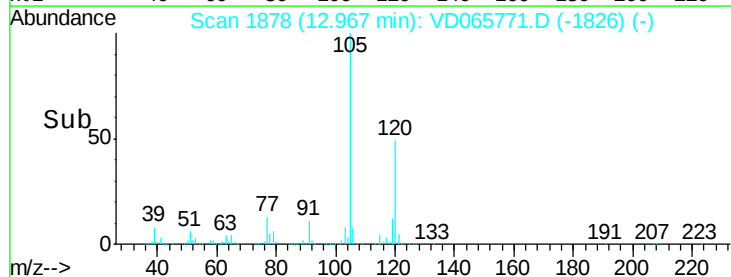
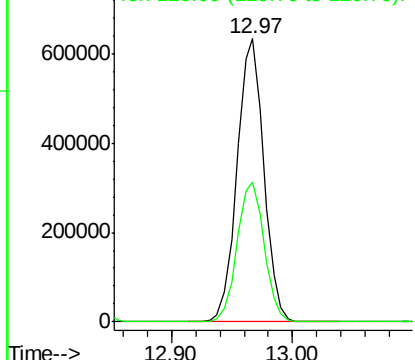


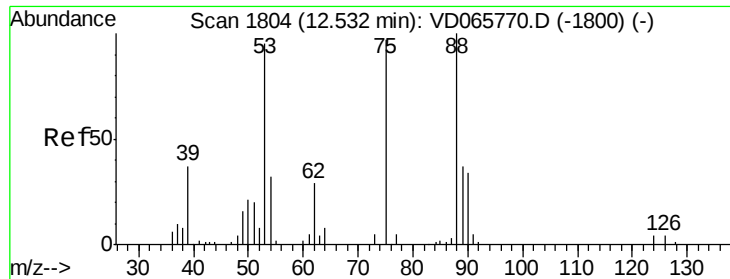
#80
 1,3,5-Trimethylbenzene
 Concen: 97.73 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD065771.D
 Acq: 05 Jun 2020 12:18

Tgt Ion: 105 Resp: 976665
 Ion Ratio Lower Upper
 105 100
 120 50.2 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 104.53 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

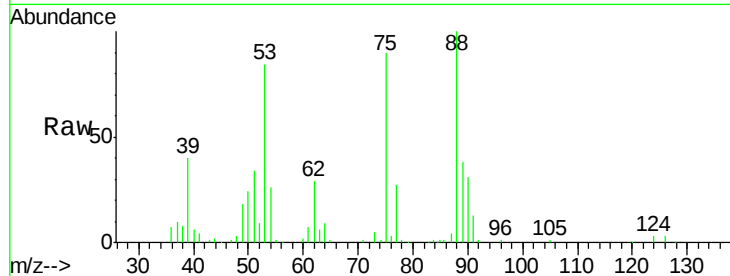
Tgt Ion: 75 Resp: 66206

Ion Ratio Lower Upper

75 100

53 94.3 82.6 123.8

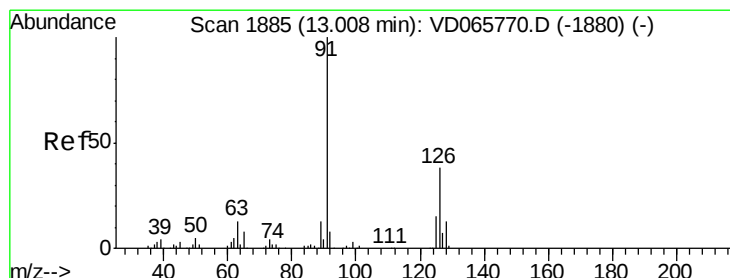
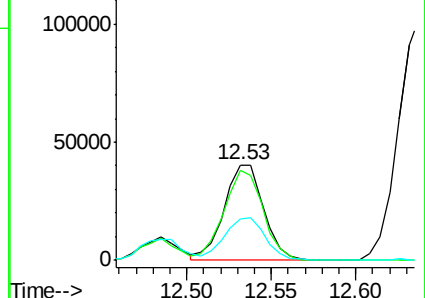
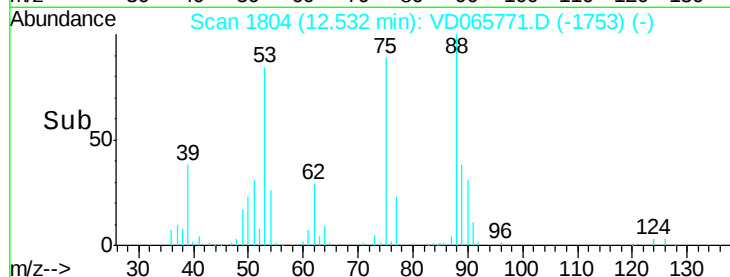
89 45.1 35.9 53.9



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 94.18 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD065771.D

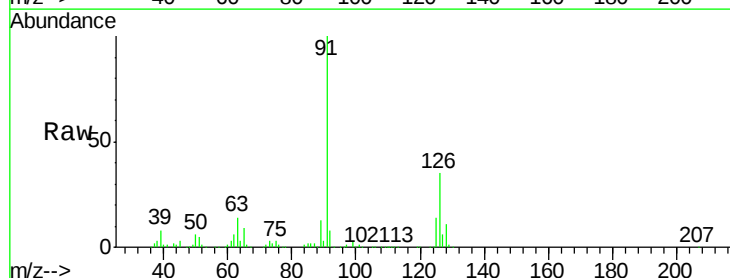
Acq: 05 Jun 2020 12:18

Tgt Ion: 91 Resp: 814473

Ion Ratio Lower Upper

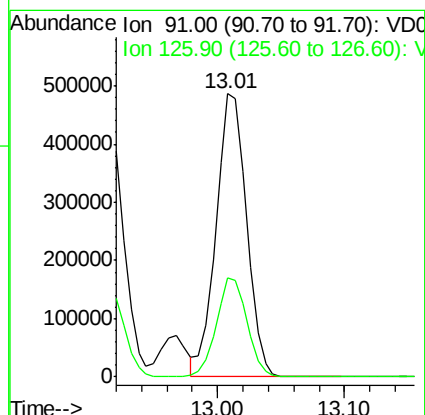
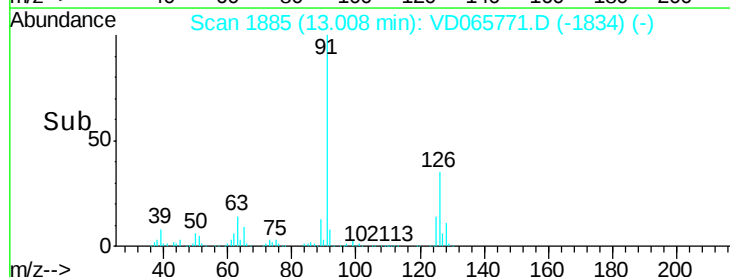
91 100

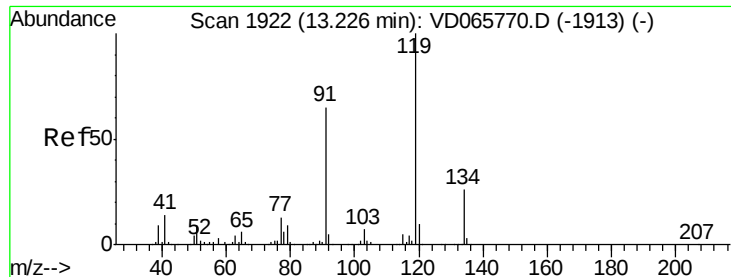
126 35.0 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

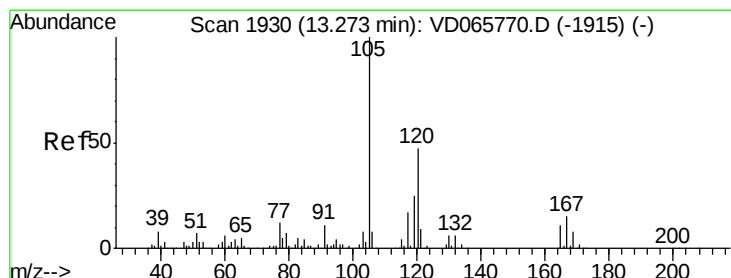
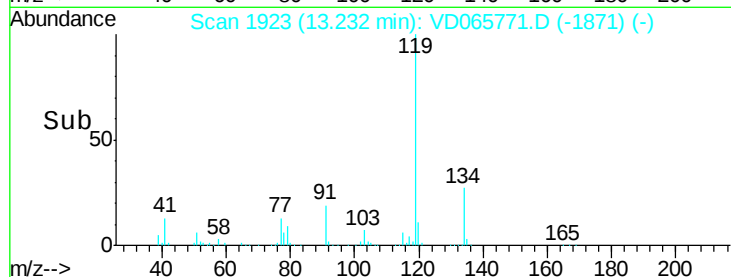
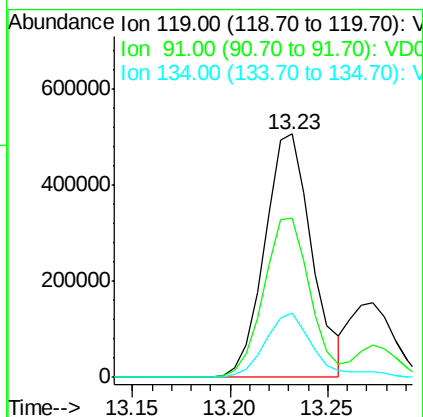
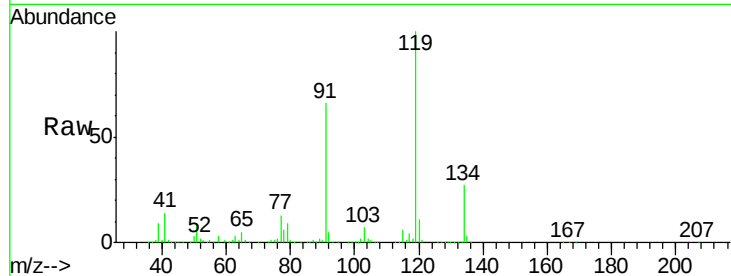




#83
 tert-Butylbenzene
 Concen: 98.05 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD065771.D
 Acq: 05 Jun 2020 12:18

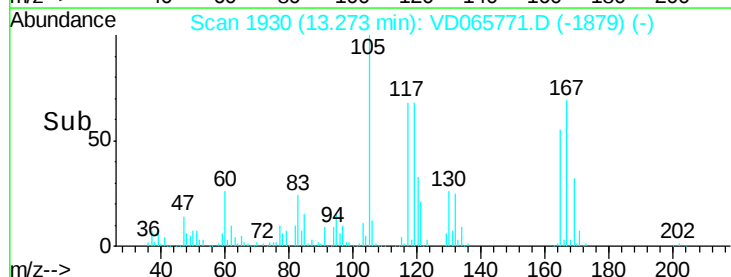
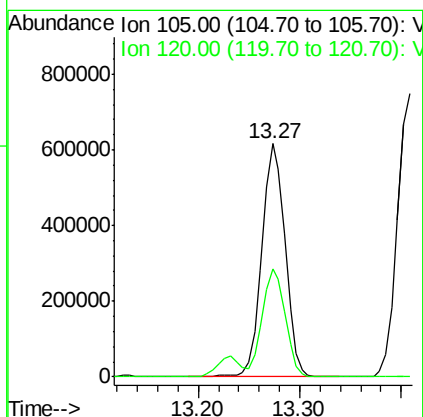
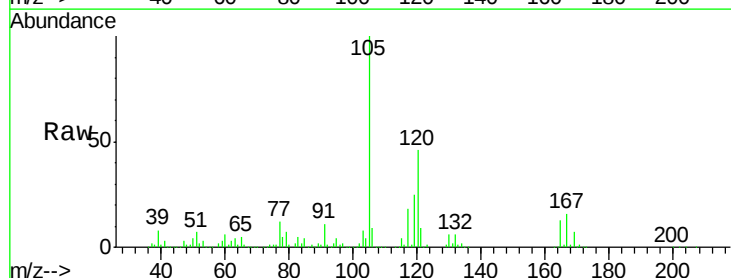
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

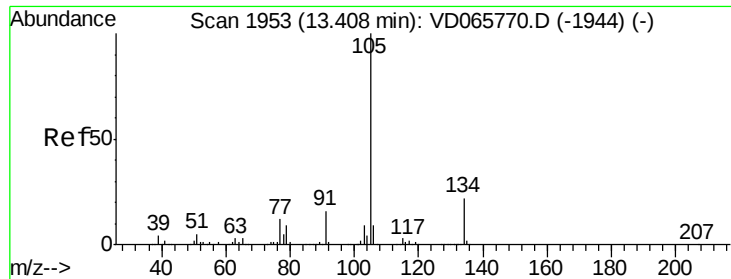
Tgt Ion:119 Resp: 847773
 Ion Ratio Lower Upper
 119 100
 91 64.0 32.0 96.0
 134 27.4 13.8 41.4



#84
 1,2,4-Trimethylbenzene
 Concen: 98.03 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD065771.D
 Acq: 05 Jun 2020 12:18

Tgt Ion:105 Resp: 980693
 Ion Ratio Lower Upper
 105 100
 120 45.4 23.3 69.8

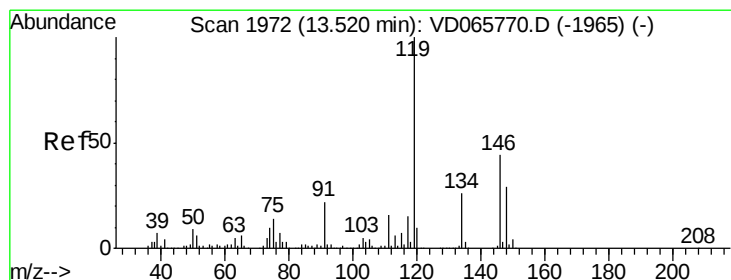
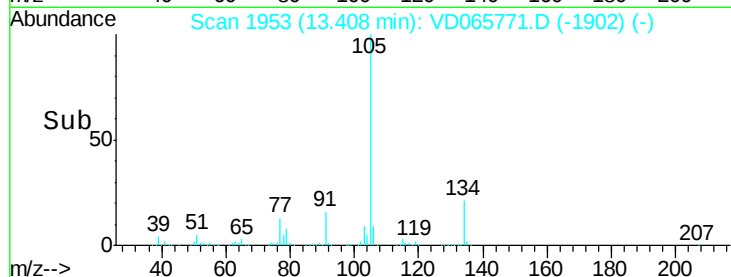
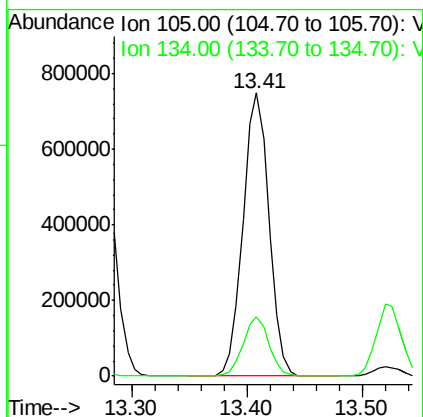
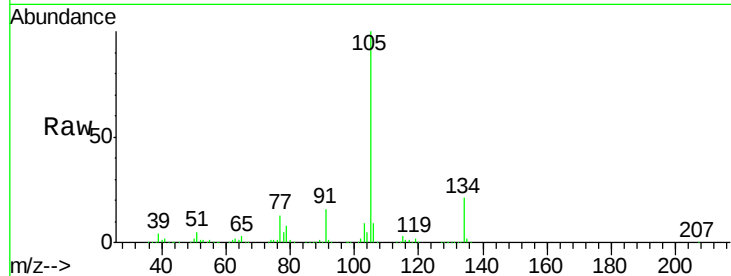




#85
 sec-Butylbenzene
 Concen: 96.57 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065771.D
 Acq: 05 Jun 2020 12:18

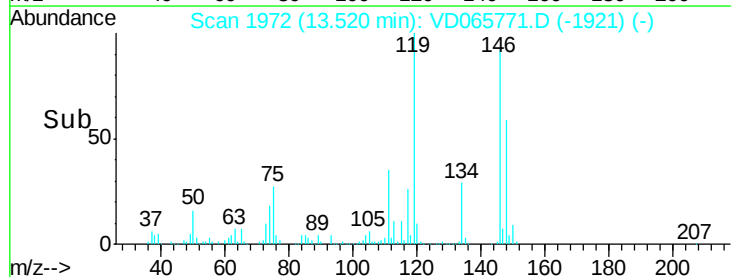
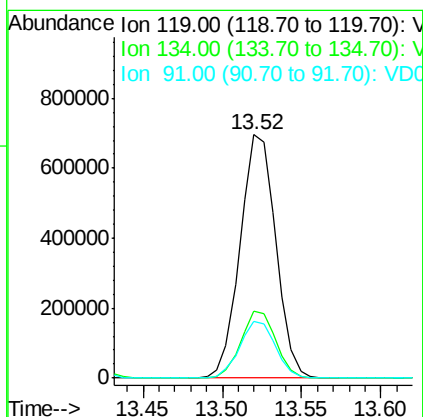
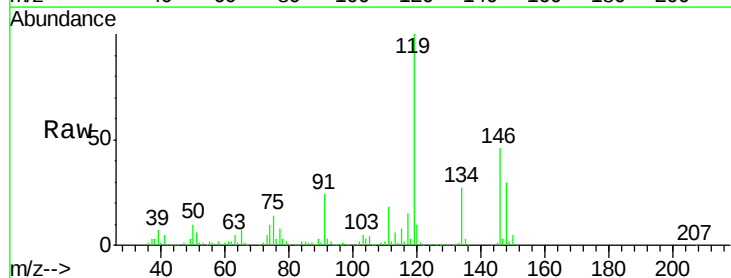
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

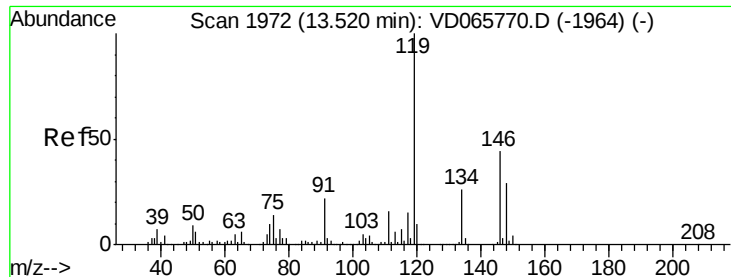
Tgt Ion:105 Resp: 1170490
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 98.95 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD065771.D
 Acq: 05 Jun 2020 12:18

Tgt Ion:119 Resp: 1088938
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.3 39.9
 91 23.3 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 94.09 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

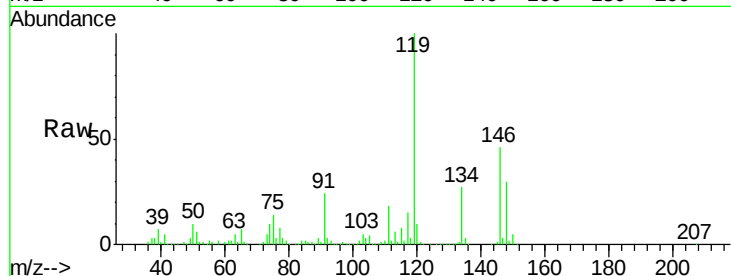
Tgt Ion:146 Resp: 535154

Ion Ratio Lower Upper

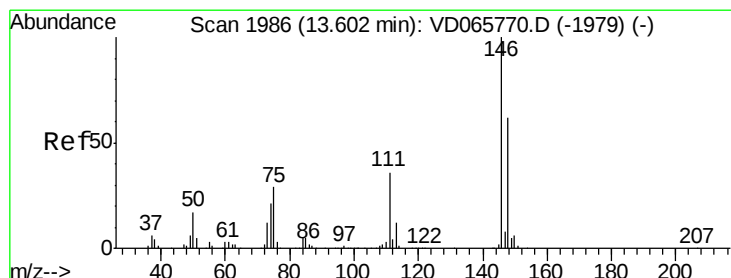
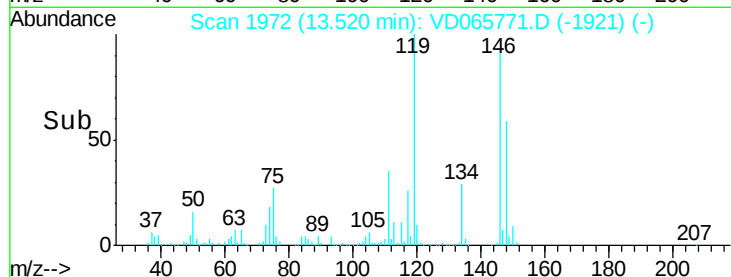
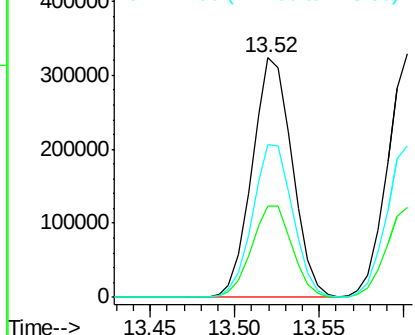
146 100

111 38.6 19.2 57.6

148 63.8 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 92.90 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

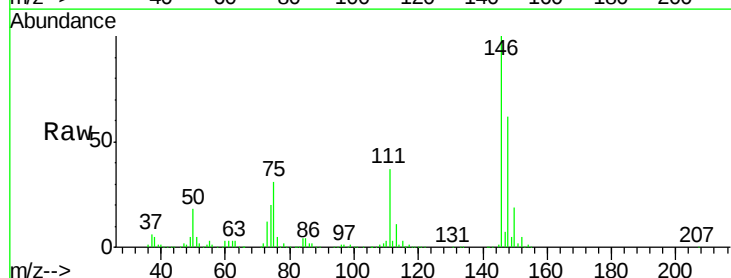
Tgt Ion:146 Resp: 527143

Ion Ratio Lower Upper

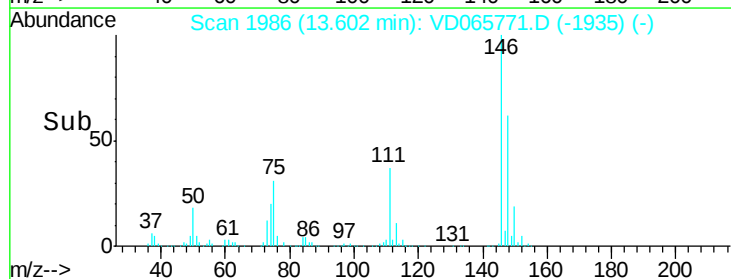
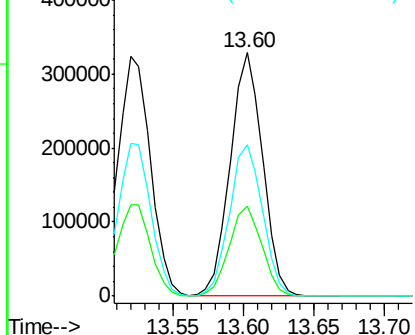
146 100

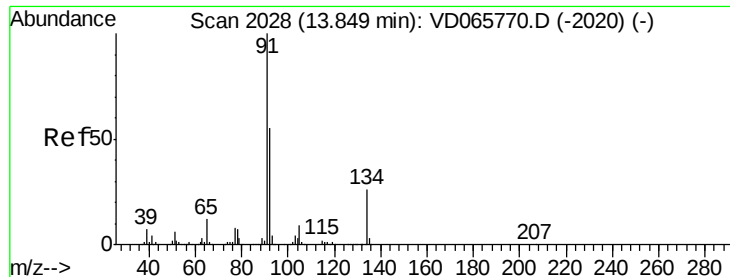
111 37.3 18.9 56.7

148 63.5 31.6 94.7



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





#89

n-Butylbenzene

Concen: 97.21 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

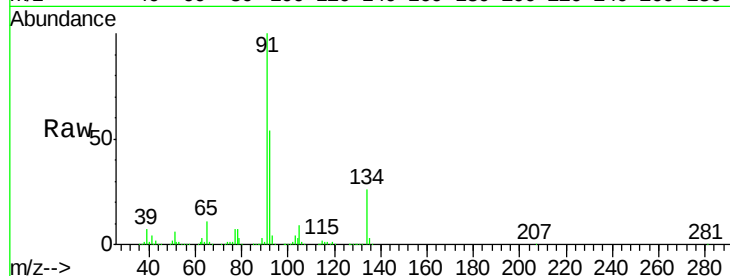
Tgt Ion: 91 Resp: 1028541

Ion Ratio Lower Upper

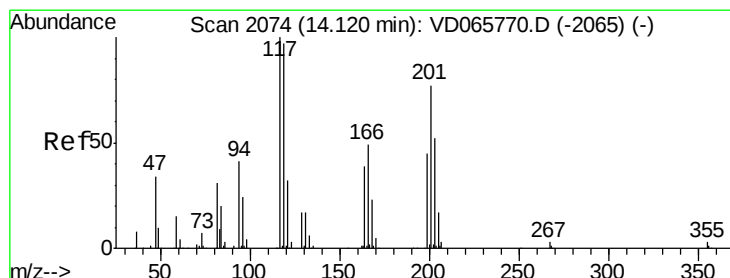
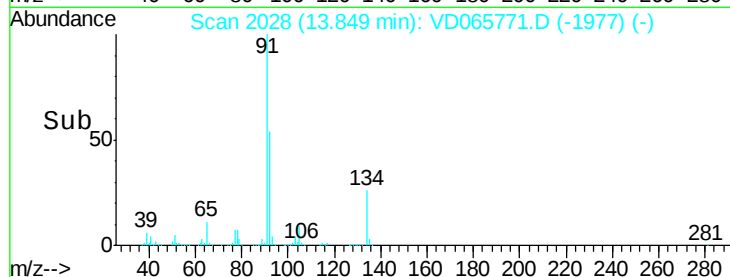
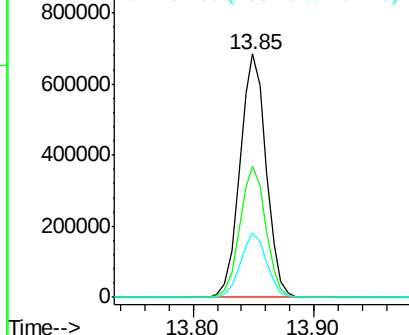
91 100

92 53.4 27.0 81.0

134 26.4 13.0 39.0



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



#90

Hexachloroethane

Concen: 94.93 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD065771.D

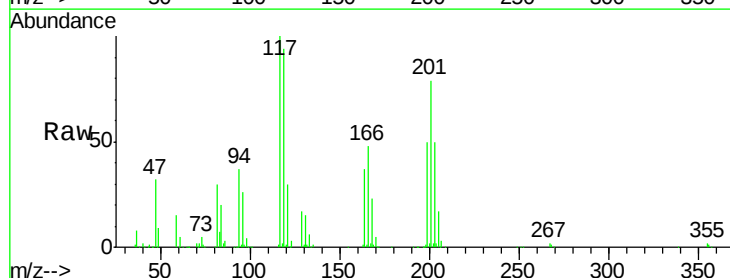
Acq: 05 Jun 2020 12:18

Tgt Ion: 117 Resp: 212277

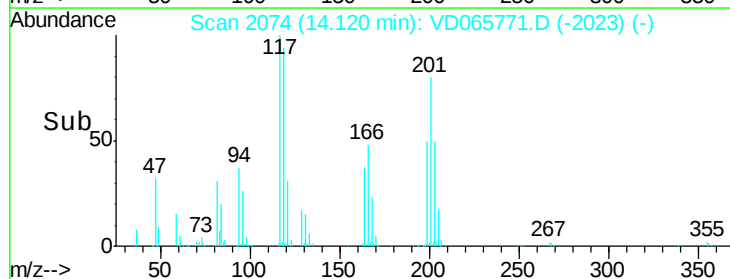
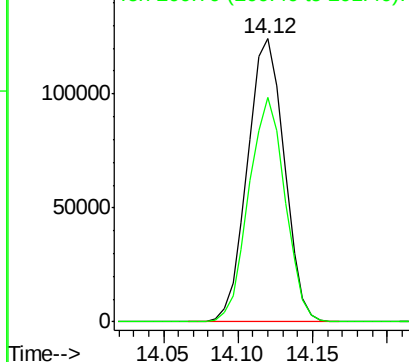
Ion Ratio Lower Upper

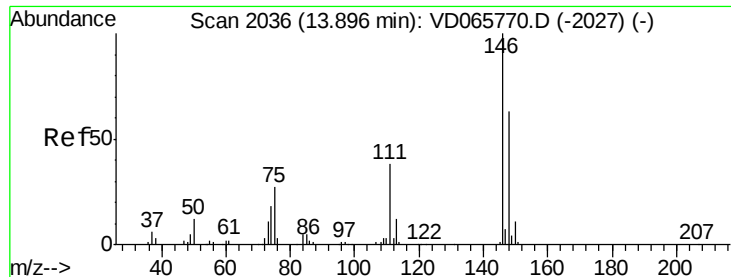
117 100

201 77.9 37.1 111.5



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

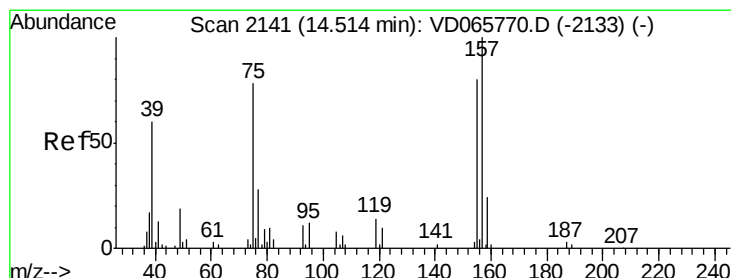
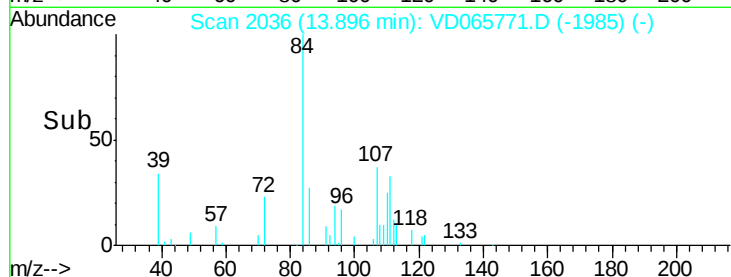
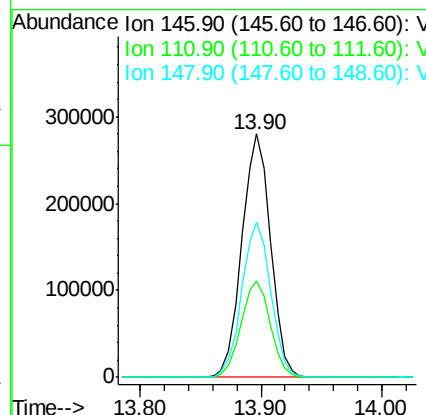
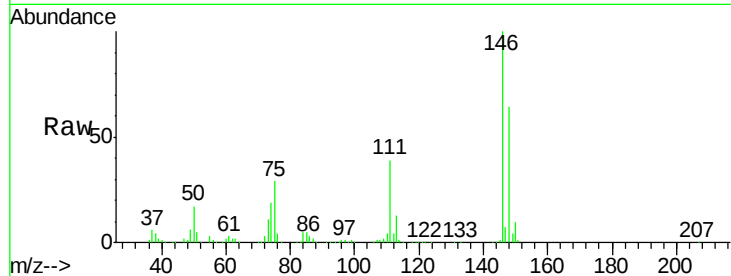




#91
 1,2-Dichlorobenzene
 Concen: 95.37 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065771.D
 Acq: 05 Jun 2020 12:18

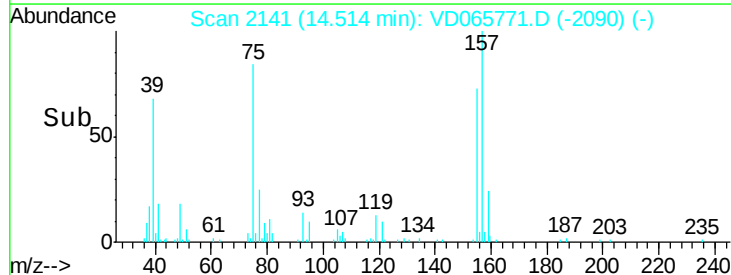
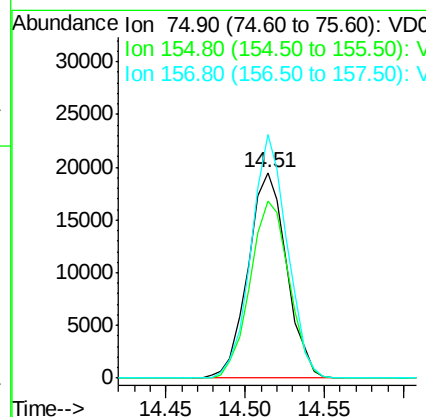
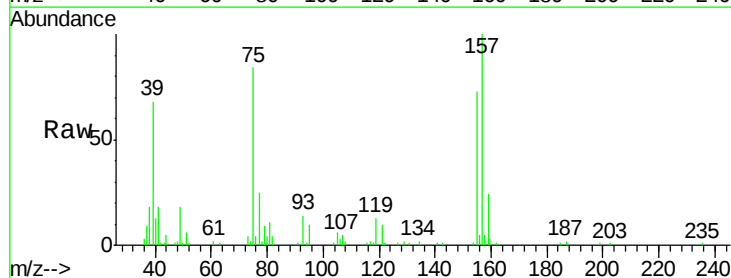
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

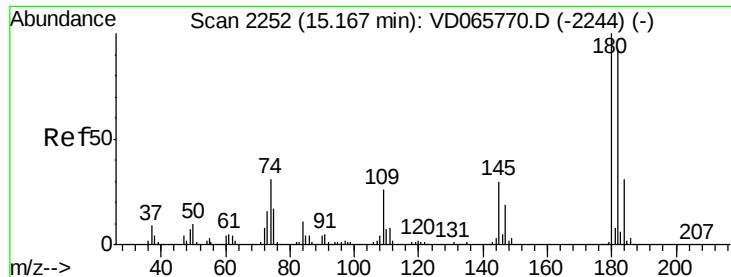
Tgt Ion:146 Resp: 465176
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.8 59.4
 148 64.3 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 95.28 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD065771.D
 Acq: 05 Jun 2020 12:18

Tgt Ion: 75 Resp: 32926
 Ion Ratio Lower Upper
 75 100
 155 87.4 46.3 138.9
 157 110.7 58.1 174.3

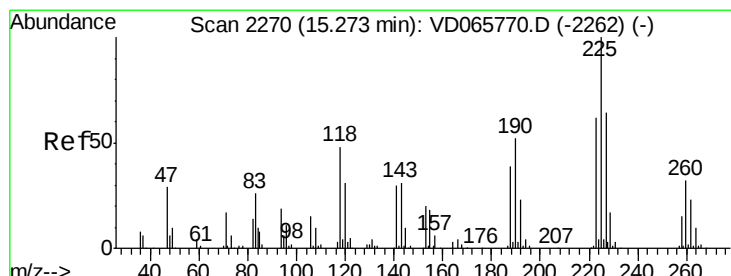
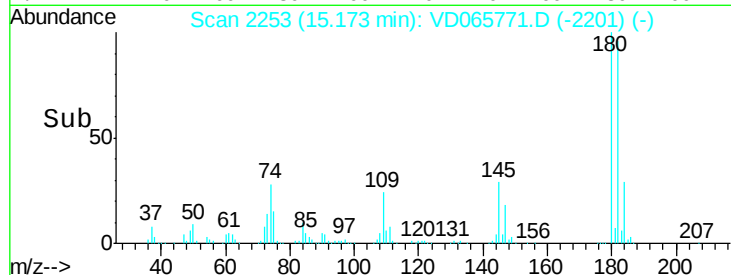
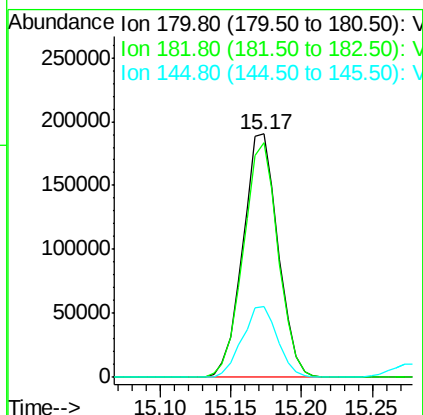
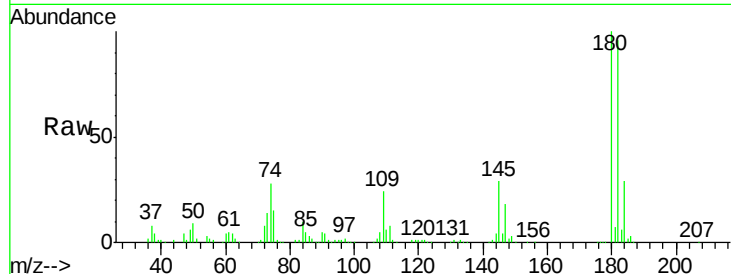




#93
 1,2,4-Trichlorobenzene
 Concen: 102.84 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD065771.D
 Acq: 05 Jun 2020 12:18

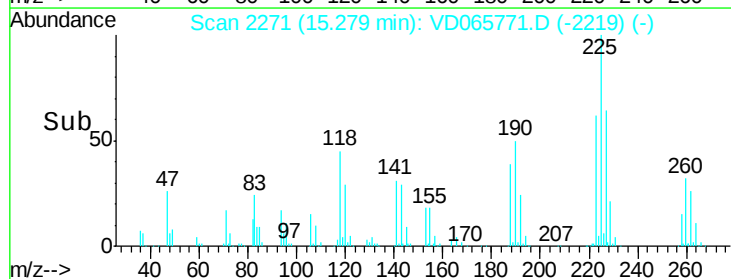
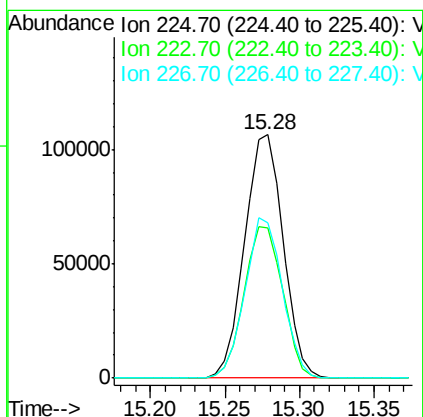
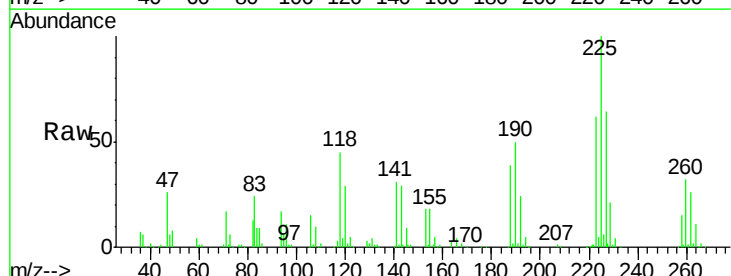
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

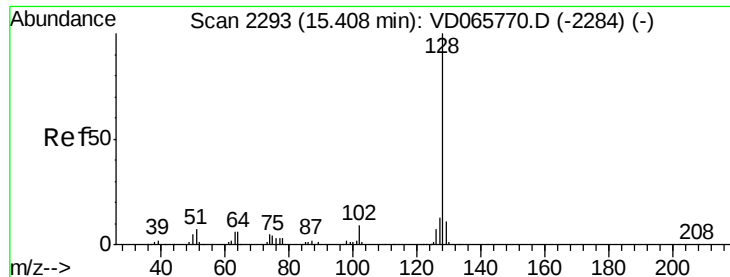
Tgt Ion:180 Resp: 332324
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.0 144.2
 145 29.2 14.9 44.9



#94
 Hexachlorobutadiene
 Concen: 95.47 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD065771.D
 Acq: 05 Jun 2020 12:18

Tgt Ion:225 Resp: 189986
 Ion Ratio Lower Upper
 225 100
 223 62.4 30.9 92.7
 227 63.9 31.9 95.7





#95

Naphthalene

Concen: 107.75 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

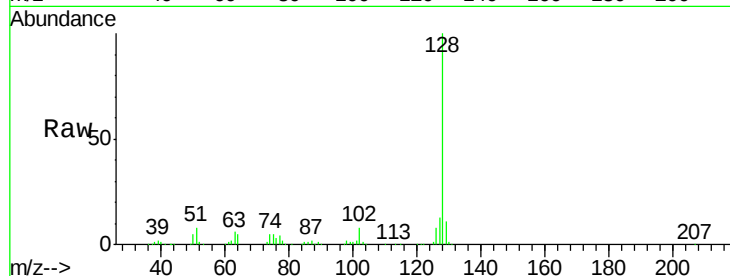
Tgt Ion:128 Resp: 581085

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

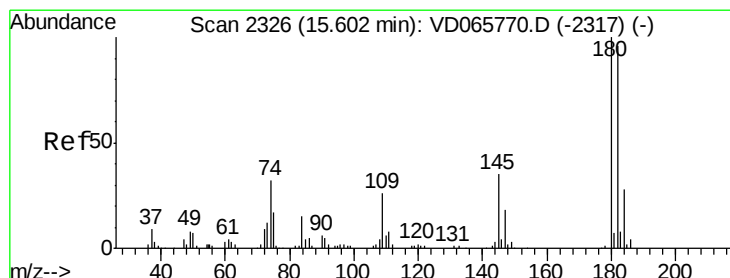
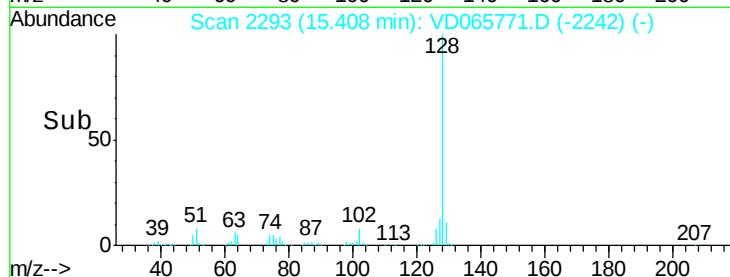
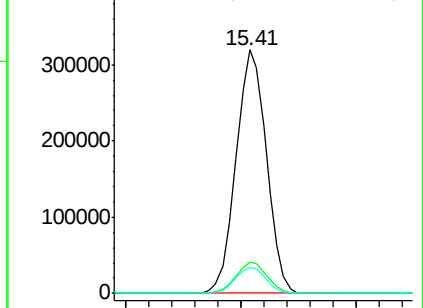
129 10.8 8.6 12.8



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: 102.92 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD065771.D

Acq: 05 Jun 2020 12:18

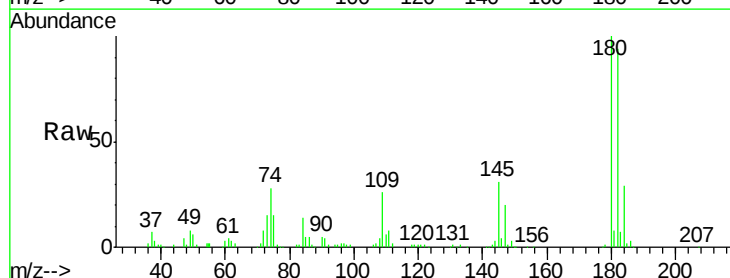
Tgt Ion:180 Resp: 285911

Ion Ratio Lower Upper

180 100

182 94.6 47.0 141.2

145 31.5 16.2 48.6



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

