

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060520\
 Data File : VD065769.D
 Acq On : 05 Jun 2020 11:24
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Jun 05 12:45:29 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	216656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	343709	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	316162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	158668	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	42246	19.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.96%	
35) Dibromofluoromethane	7.91	113	40865	18.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.52%	
50) Toluene-d8	10.34	98	150079	18.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.86%	
62) 4-Bromofluorobenzene	12.64	95	52087	19.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	38157	21.61	ug/l	98
3) Chloromethane	2.21	50	63627	21.21	ug/l	99
4) Vinyl Chloride	2.35	62	73124	21.35	ug/l	99
5) Bromomethane	2.76	94	49869	20.80	ug/l	90
6) Chloroethane	2.91	64	48770	21.12	ug/l	99
7) Trichlorofluoromethane	3.27	101	81521	21.17	ug/l	92
8) Diethyl Ether	3.71	74	19199	19.69	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	47142	20.61	ug/l	99
10) Methyl Iodide	4.30	142	43070	21.59	ug/l	99
11) Tert butyl alcohol	5.23	59	15230	86.67	ug/l #	74
12) 1,1-Dichloroethene	4.07	96	43070	20.99	ug/l	97
13) Acrolein	3.91	56	13005	100.82	ug/l	96
14) Allyl chloride	4.71	41	68941	20.71	ug/l	97
15) Acrylonitrile	5.43	53	44779	101.40	ug/l	98
16) Acetone	4.16	43	39204	95.43	ug/l	90
17) Carbon Disulfide	4.40	76	145923	21.09	ug/l #	94
18) Methyl Acetate	4.72	43	19709	17.44	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	94539	20.93	ug/l	98
20) Methylene Chloride	4.96	84	50056	18.61	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	47210	19.89	ug/l	92
22) Diisopropyl ether	6.37	45	139899	20.91	ug/l	100
23) Vinyl Acetate	6.31	43	396218	108.11	ug/l	98
24) 1,1-Dichloroethane	6.27	63	84854	20.48	ug/l	96
25) 2-Butanone	7.21	43	55626	98.37	ug/l	96
26) 2,2-Dichloropropane	7.21	77	73726	20.02	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	53139	21.02	ug/l	98
28) Bromochloromethane	7.54	49	30733	19.66	ug/l	99
29) Tetrahydrofuran	7.57	42	36757	103.27	ug/l	98
30) Chloroform	7.71	83	87242	20.37	ug/l	98
31) Cyclohexane	7.98	56	79793	19.57	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	81737	20.70	ug/l	99
36) 1,1-Dichloropropene	8.11	75	69549	20.58	ug/l	99
37) Ethyl Acetate	7.30	43	25304	19.26	ug/l #	91
38) Carbon Tetrachloride	8.10	117	74023	20.88	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	80933	20.63	ug/l	98
40) Benzene	8.35	78	190205	20.83	ug/l	96
41) Methacrylonitrile	7.56	41	38522	47.01	ug/l #	49
42) 1,2-Dichloroethane	8.43	62	56740	20.30	ug/l	99
43) Isopropyl Acetate	8.45	43	53084	20.59	ug/l	98
44) Trichloroethene	9.11	130	51845	20.44	ug/l	96
45) 1,2-Dichloropropane	9.38	63	47282	20.48	ug/l	98
46) Dibromomethane	9.48	93	25210	20.25	ug/l	99
47) Bromodichloromethane	9.66	83	67461	20.12	ug/l	98
48) Methyl methacrylate	9.46	41	26616	21.09	ug/l	97
49) 1,4-Dioxane	9.47	88	5477	418.62	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	131538	104.64	ug/l	97
52) Toluene	10.40	92	122635	20.96	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	61149	20.70	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	72946	20.84	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	34638	20.95	ug/l	91
56) Ethyl methacrylate	10.67	69	39084	20.86	ug/l	98
57) 1,3-Dichloropropane	10.95	76	57933	20.23	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	90030	102.49	ug/l	100
59) 2-Hexanone	10.99	43	88394	105.51	ug/l	99
60) Dibromochloromethane	11.14	129	45367	20.39	ug/l	100
61) 1,2-Dibromoethane	11.25	107	33167	20.59	ug/l	99
64) Tetrachloroethene	10.88	164	43940	20.07	ug/l	93
65) Chlorobenzene	11.67	112	128109	20.48	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	48699	21.02	ug/l	99
67) Ethyl Benzene	11.75	91	232142	20.99	ug/l	97
68) m/p-Xylenes	11.86	106	180478	42.39	ug/l	99
69) o-Xylene	12.18	106	80070	21.19	ug/l	99
70) Styrene	12.20	104	138985	21.29	ug/l	98
71) Bromoform	12.37	173	26594	21.01	ug/l #	92
73) Isopropylbenzene	12.48	105	221945	20.77	ug/l	99
74) N-amyl acetate	12.29	43	49058	20.69	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	37860	20.38	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	48566	39.08	ug/l #	100
77) Bromobenzene	12.76	156	53367	21.06	ug/l	99
78) n-propylbenzene	12.83	91	269596	20.79	ug/l	99
79) 2-Chlorotoluene	12.91	91	148059	20.80	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	184470	20.76	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	11674	20.73	ug/l	97
82) 4-Chlorotoluene	13.01	91	157933	20.54	ug/l	100
83) tert-Butylbenzene	13.23	119	159709	20.77	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	186704	20.98	ug/l	100
85) sec-Butylbenzene	13.41	105	227949	21.15	ug/l	99
86) p-Isopropyltoluene	13.52	119	204136	20.86	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	106347	21.02	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	102207	20.25	ug/l	98
89) n-Butylbenzene	13.85	91	195313	20.76	ug/l	98
90) Hexachloroethane	14.12	117	41242	20.74	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	91669	21.13	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6097	19.84	ug/l	90

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

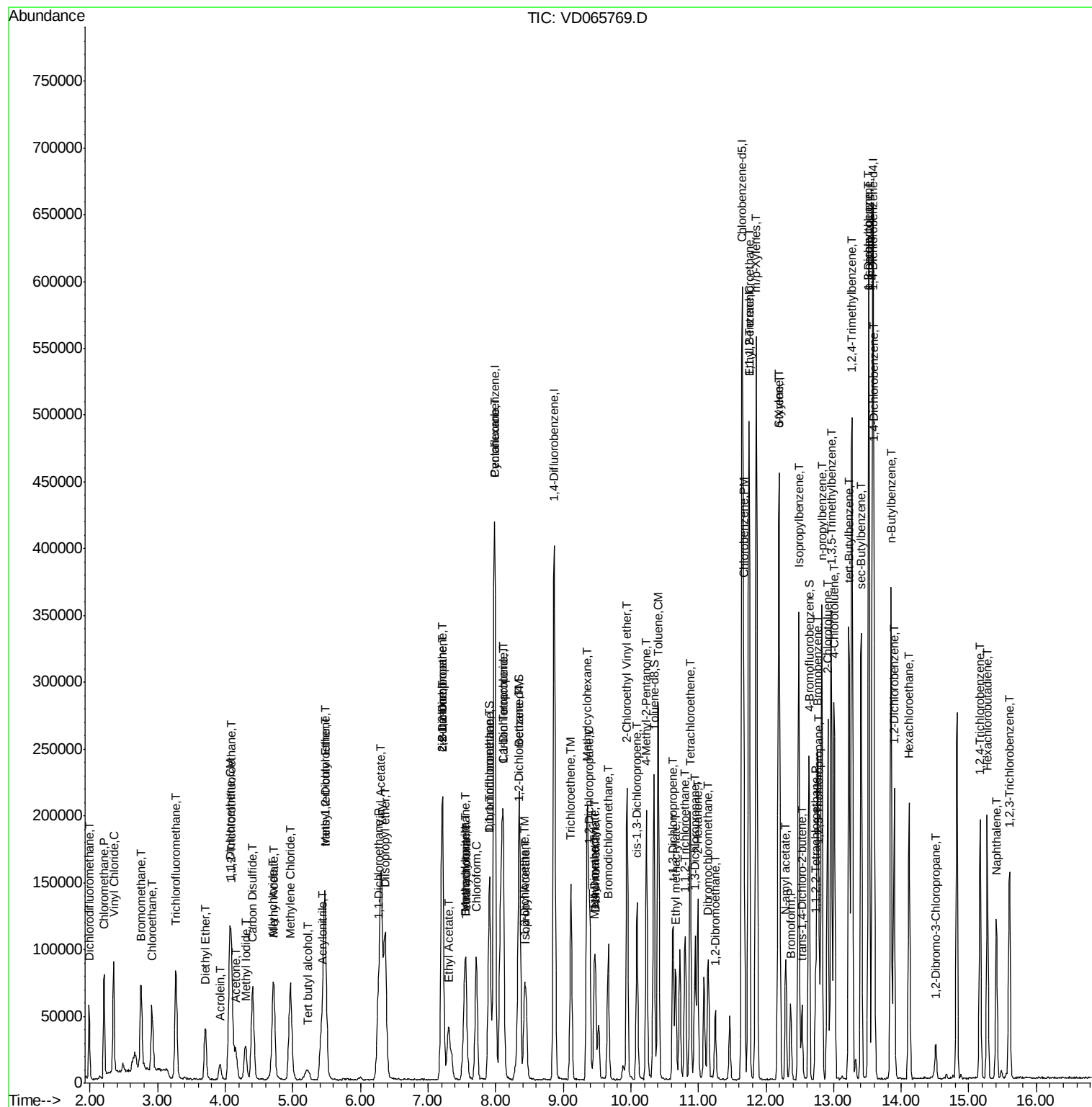
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	59796	20.81	ug/l	98
94) Hexachlorobutadiene	15.27	225	36431	20.59	ug/l	94
95) Naphthalene	15.41	128	100632	20.98	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	52286	21.16	ug/l	98

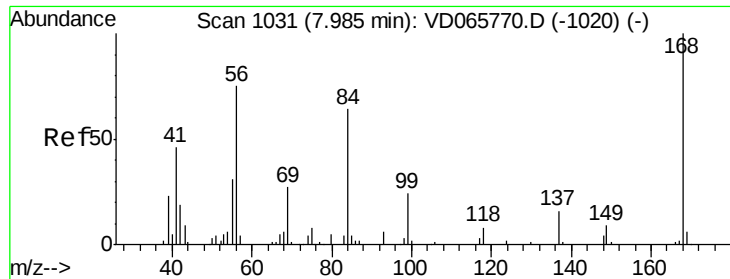
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

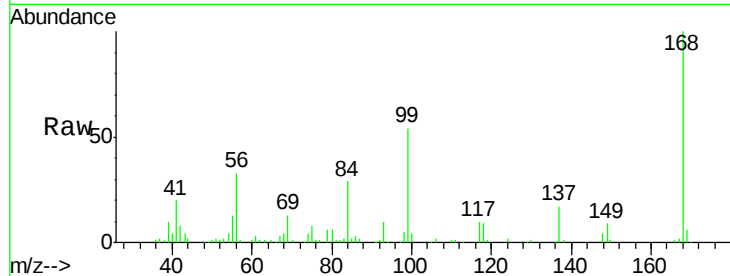
VSTDIC020

Tgt Ion:168 Resp: 216656

Ion Ratio Lower Upper

168 100

99 54.1 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

100000

80000

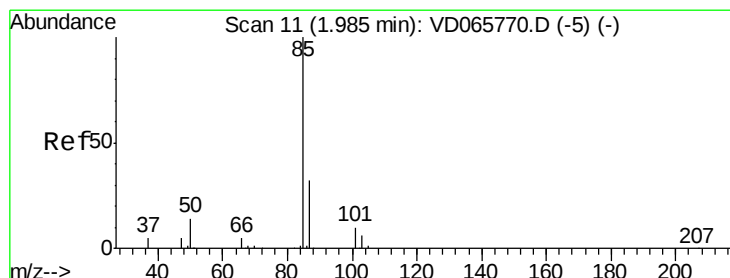
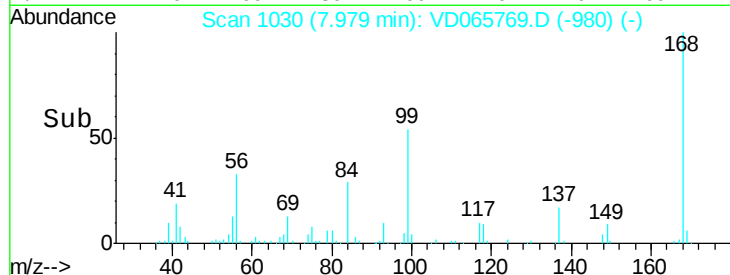
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.61 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065769.D

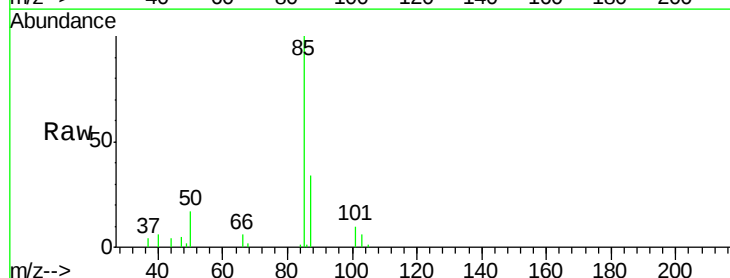
Acq: 05 Jun 2020 11:24

Tgt Ion: 85 Resp: 38157

Ion Ratio Lower Upper

85 100

87 33.5 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

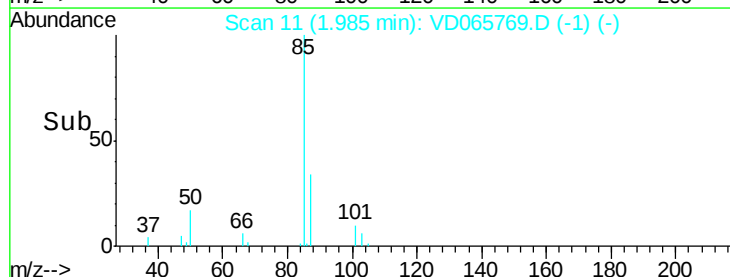
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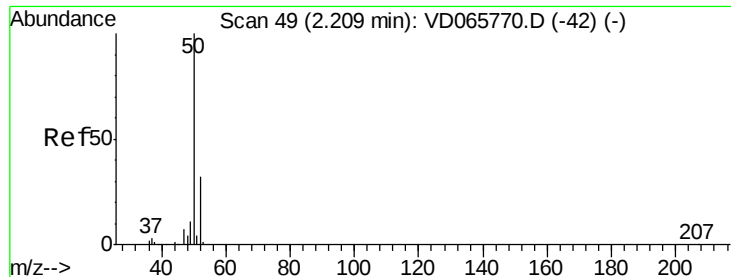
20000

10000

0

Time-->





#3

Chloromethane

Concen: 21.21 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

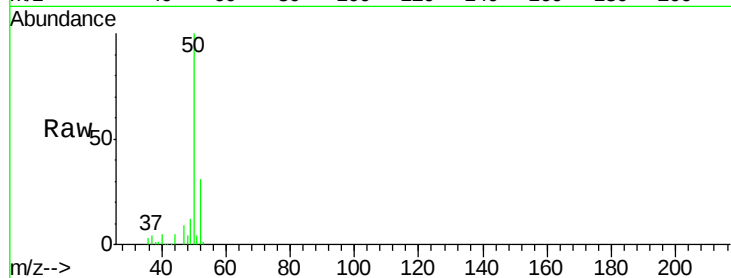
VSTDIC020

Tgt Ion: 50 Resp: 63627

Ion Ratio Lower Upper

50 100

52 31.4 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

50000

40000

30000

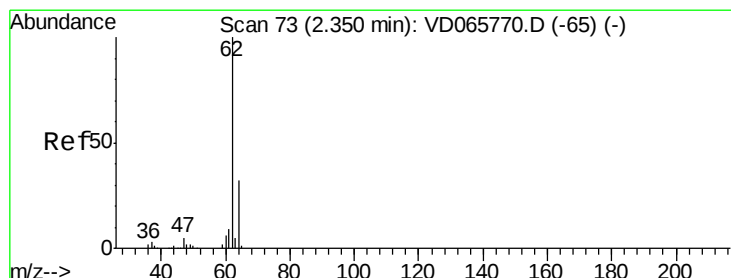
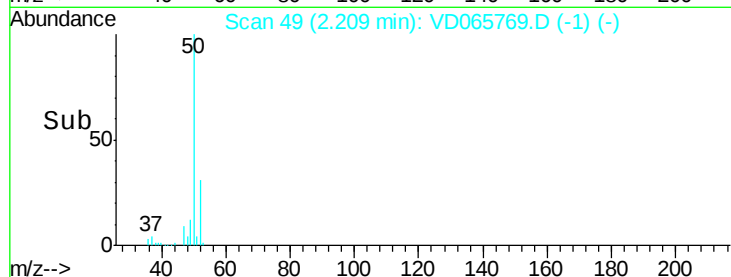
20000

10000

0

Time-->

2.15 2.20 2.25



#4

Vinyl Chloride

Concen: 21.35 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065769.D

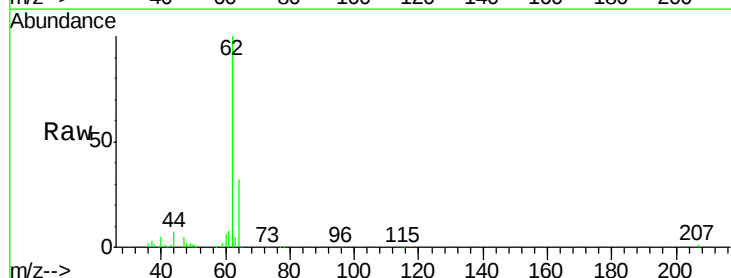
Acq: 05 Jun 2020 11:24

Tgt Ion: 62 Resp: 73124

Ion Ratio Lower Upper

62 100

64 32.3 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

50000

40000

30000

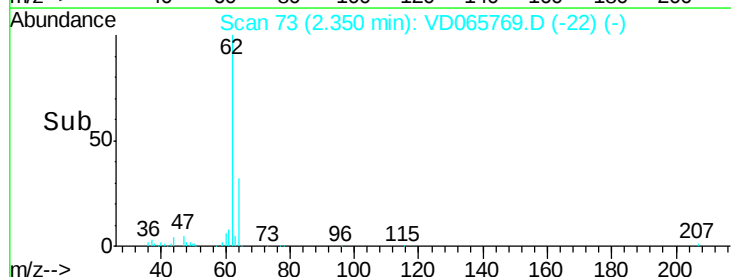
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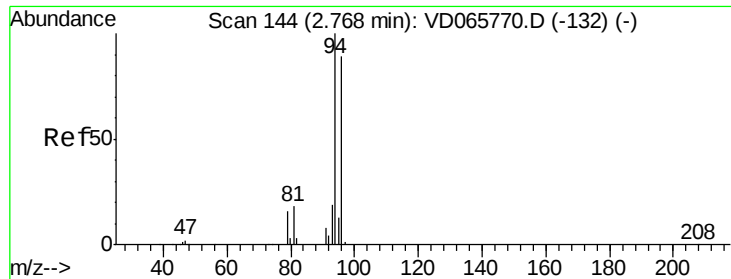
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0

Time-->

2.25 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 20.80 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

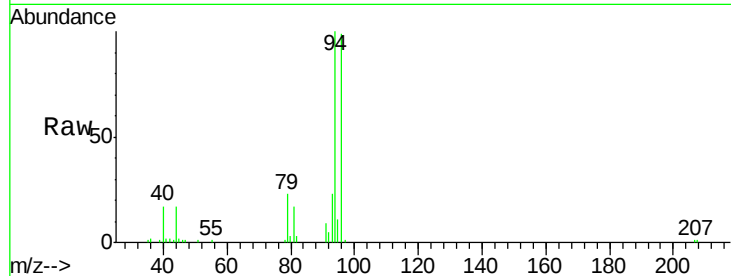
VSTDIC020

Tgt Ion: 94 Resp: 49869

Ion Ratio Lower Upper

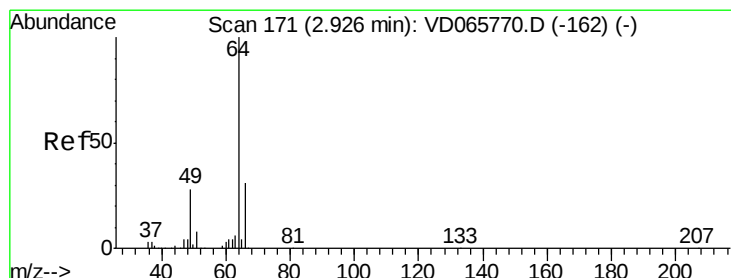
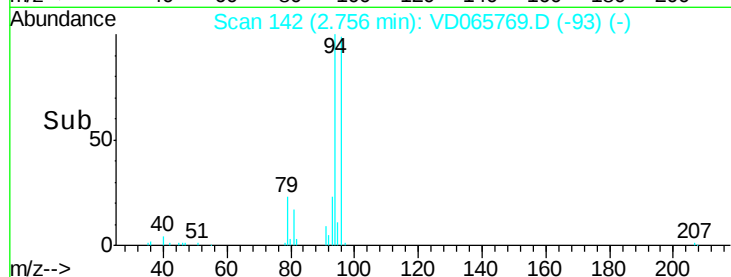
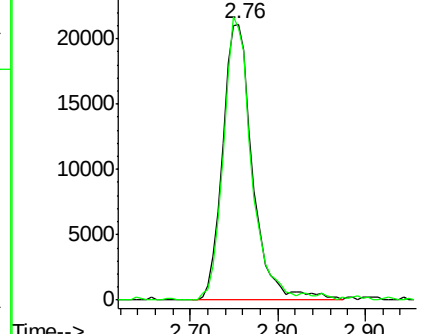
94 100

96 98.7 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: 21.12 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065769.D

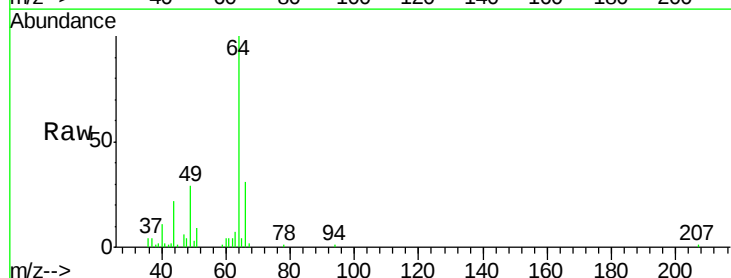
Acq: 05 Jun 2020 11:24

Tgt Ion: 64 Resp: 48770

Ion Ratio Lower Upper

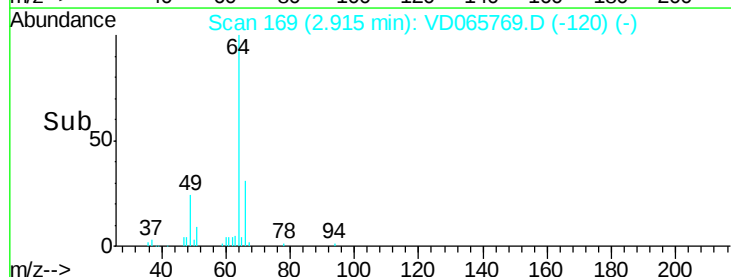
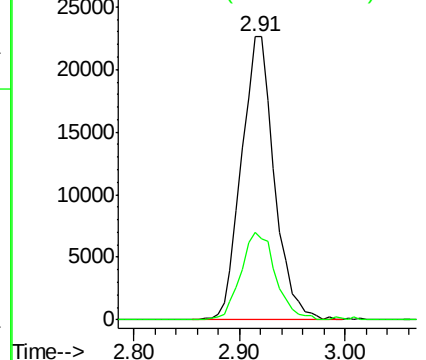
64 100

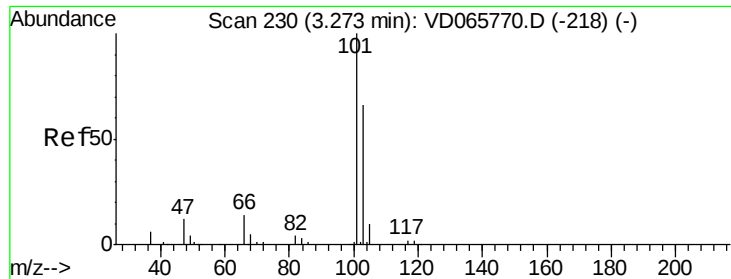
66 31.1 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



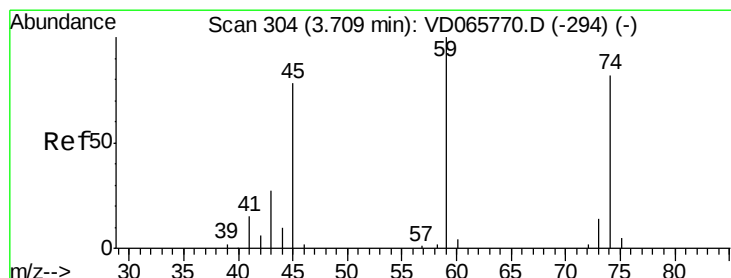
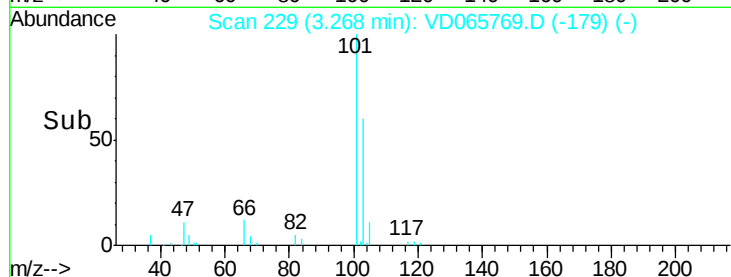
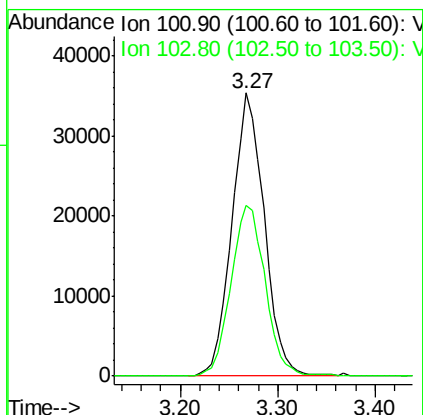
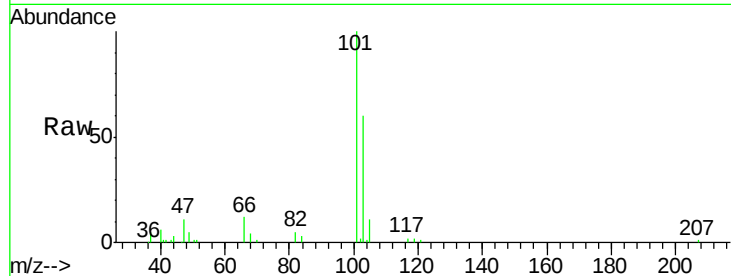


#7

Trichlorofluoromethane
 Concen: 21.17 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065769.D
 Acq: 05 Jun 2020 11:24

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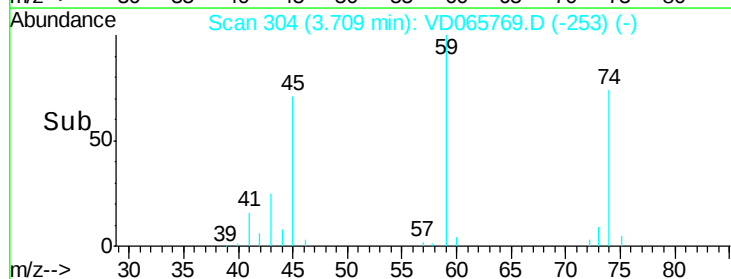
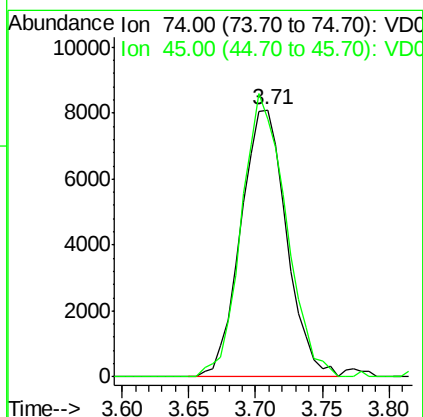
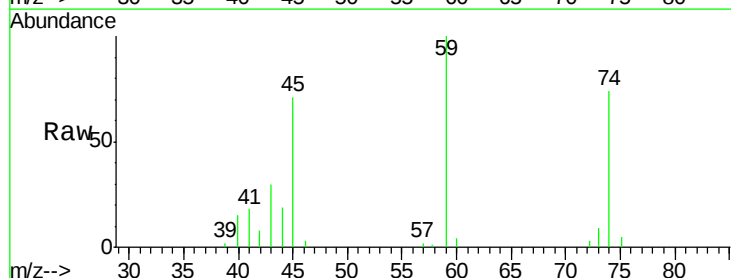
Tgt Ion: 101 Resp: 81521
 Ion Ratio Lower Upper
 101 100
 103 60.1 53.1 79.7

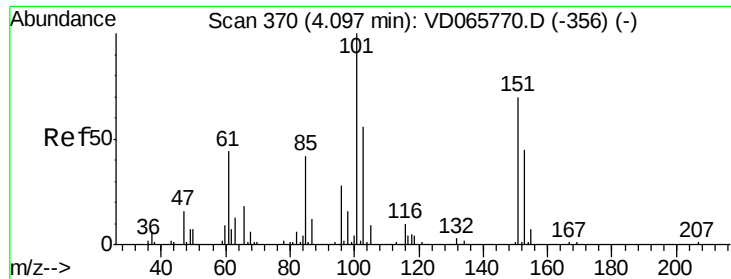


#8

Diethyl Ether
 Concen: 19.69 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065769.D
 Acq: 05 Jun 2020 11:24

Tgt Ion: 74 Resp: 19199
 Ion Ratio Lower Upper
 74 100
 45 103.7 47.9 143.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.61 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

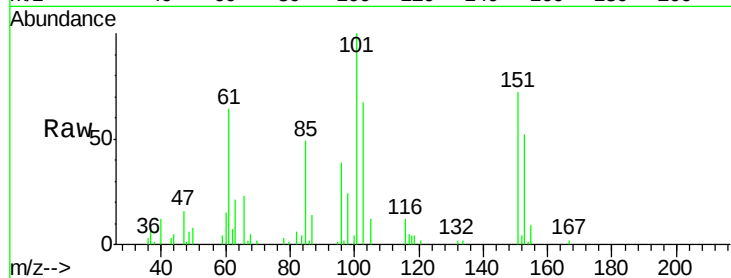
Tgt Ion:101 Resp: 47142

Ion Ratio Lower Upper

101 100

85 46.7 36.5 54.7

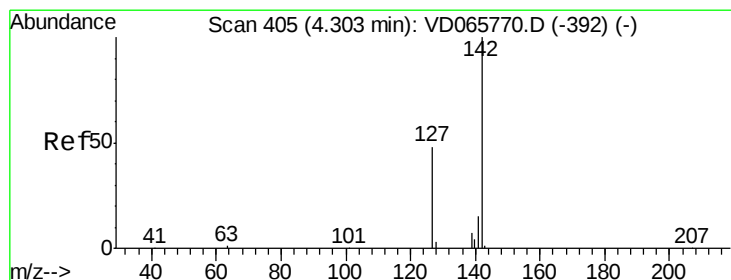
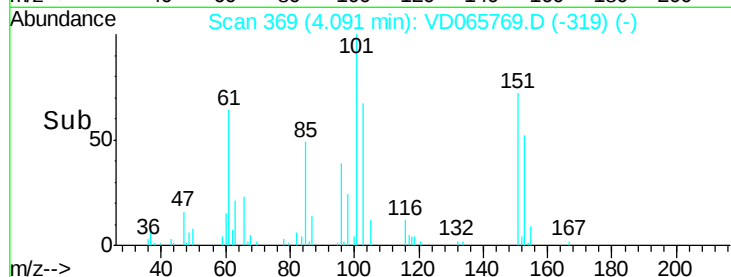
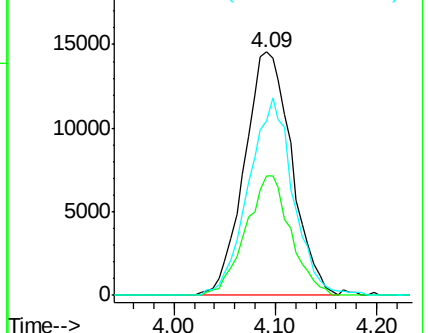
151 76.9 61.8 92.6



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: 21.59 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

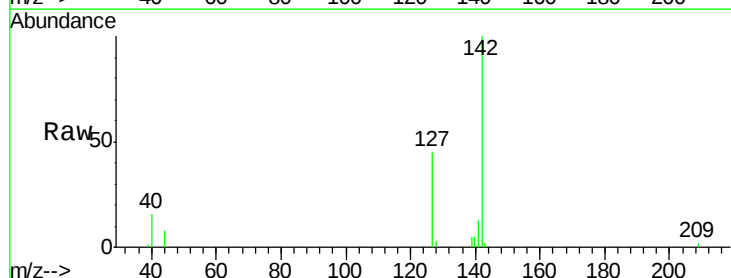
Tgt Ion:142 Resp: 43070

Ion Ratio Lower Upper

142 100

127 46.3 37.6 56.4

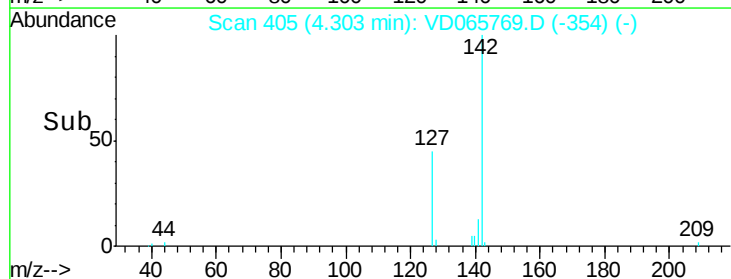
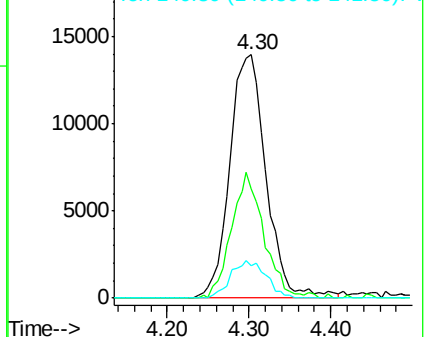
141 14.8 12.1 18.1

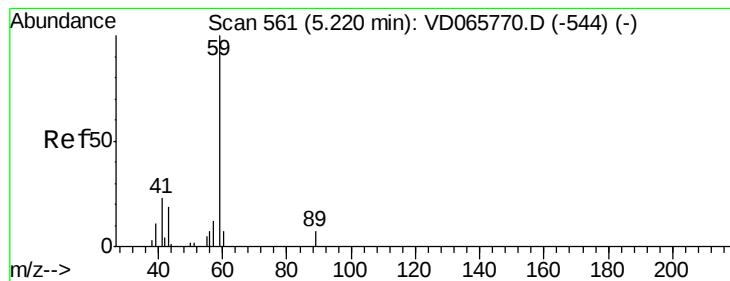


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



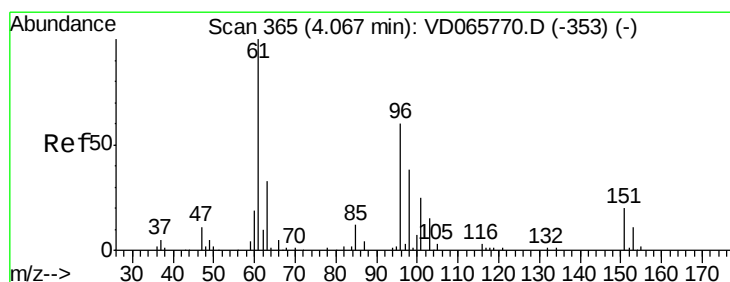
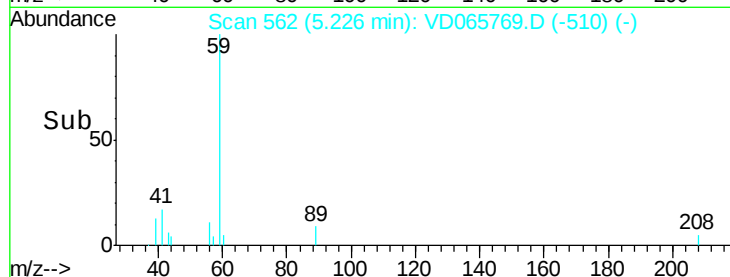
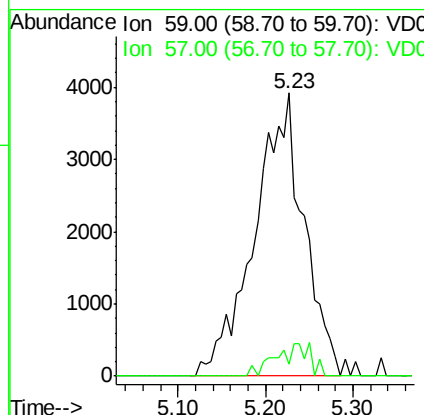
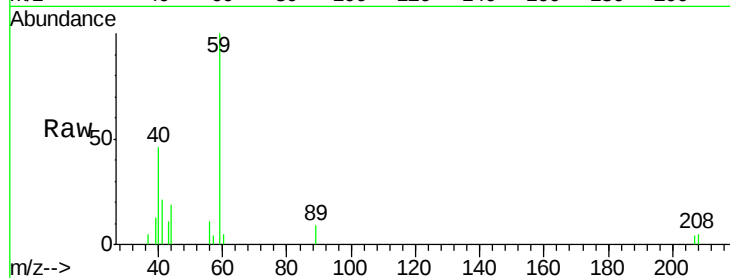


#11

Tert butyl alcohol
 Concen: 86.67 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: VD065769.D
 Acq: 05 Jun 2020 11:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

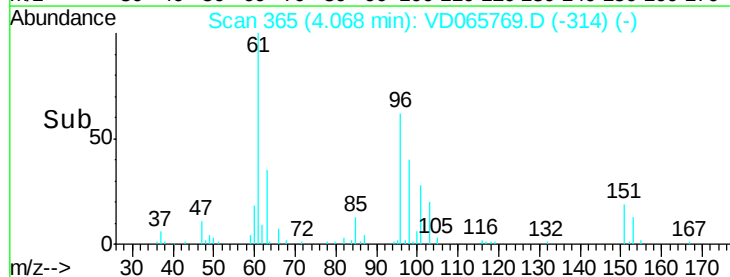
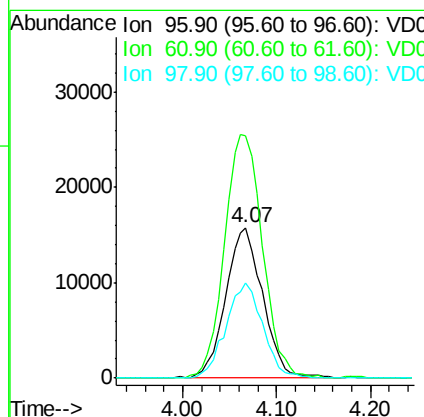
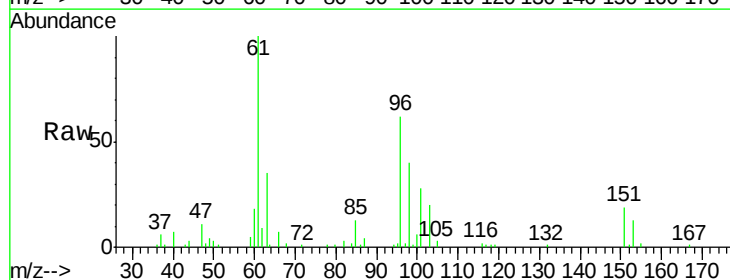
Tgt Ion: 59 Resp: 15230
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.5 11.3#

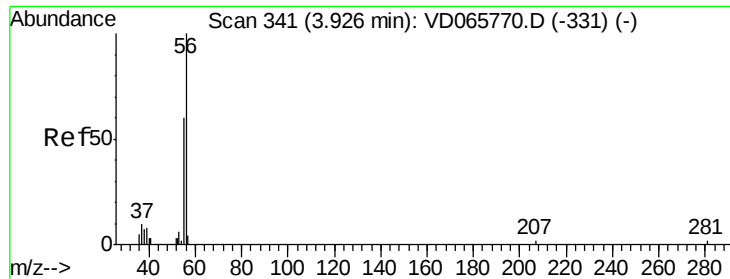


#12

1,1-Dichloroethene
 Concen: 20.99 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD065769.D
 Acq: 05 Jun 2020 11:24

Tgt Ion: 96 Resp: 43070
 Ion Ratio Lower Upper
 96 100
 61 160.6 132.3 198.5
 98 63.4 50.7 76.1





#13

Acrolein

Concen: 100.82 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

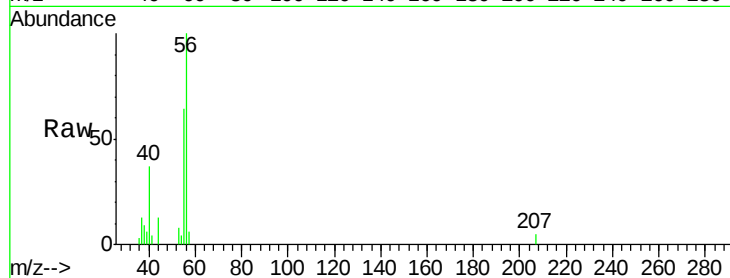
VSTDIC020

Tgt Ion: 56 Resp: 13005

Ion Ratio Lower Upper

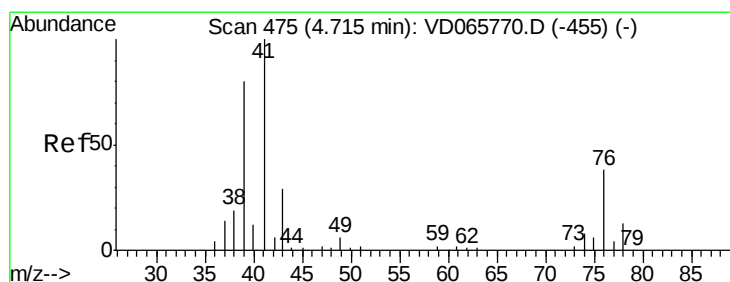
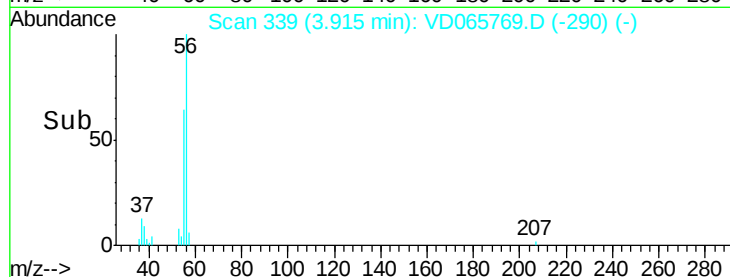
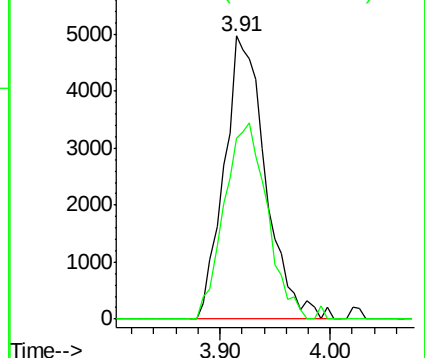
56 100

55 71.9 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.71 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

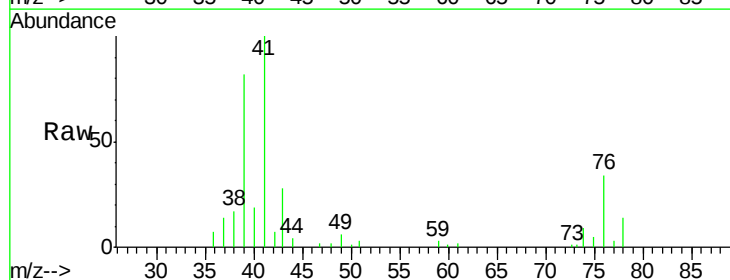
Tgt Ion: 41 Resp: 68941

Ion Ratio Lower Upper

41 100

39 78.6 60.9 91.3

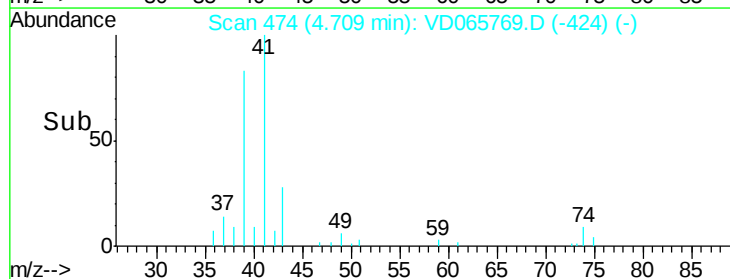
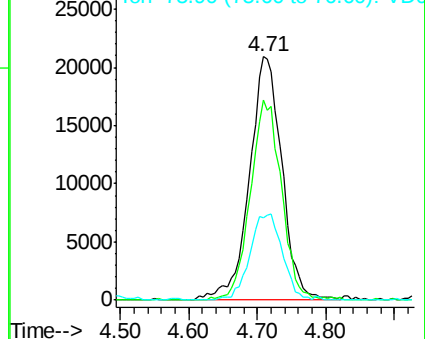
76 35.1 28.9 43.3

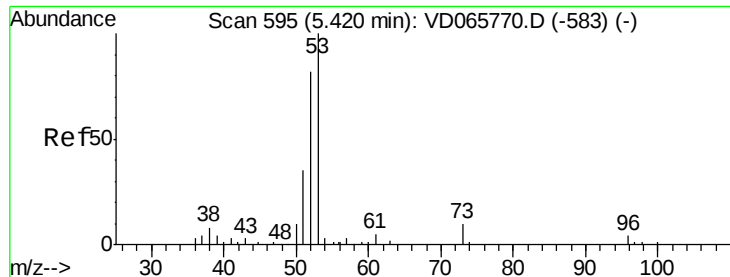


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 101.40 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

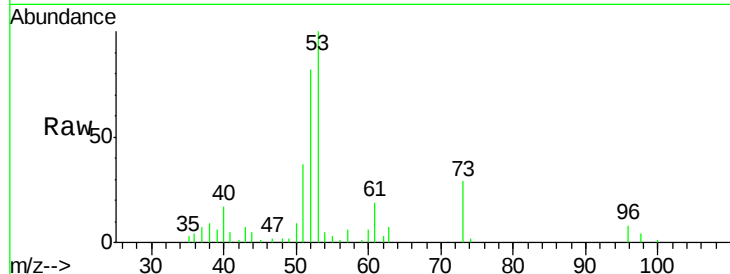
Tgt Ion: 53 Resp: 44779

Ion Ratio Lower Upper

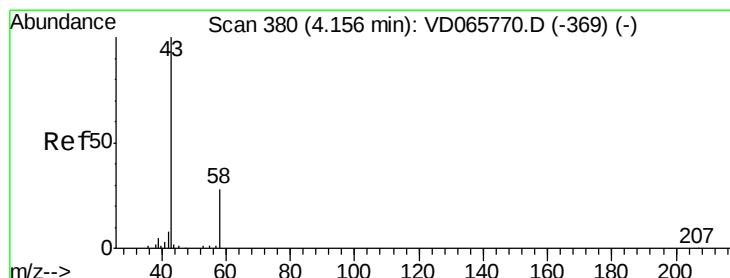
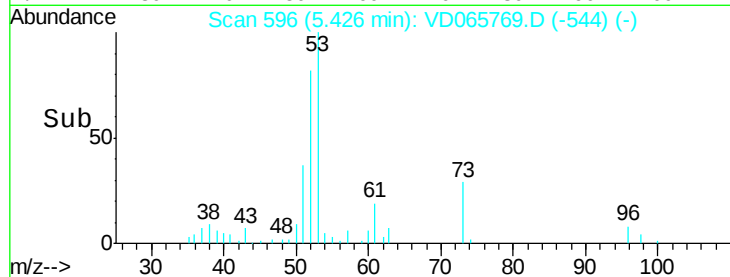
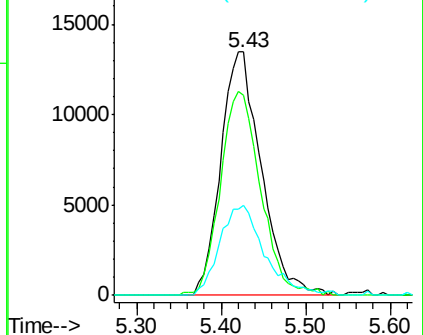
53 100

52 83.4 66.2 99.2

51 41.0 30.7 46.1



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



#16

Acetone

Concen: 95.43 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065769.D

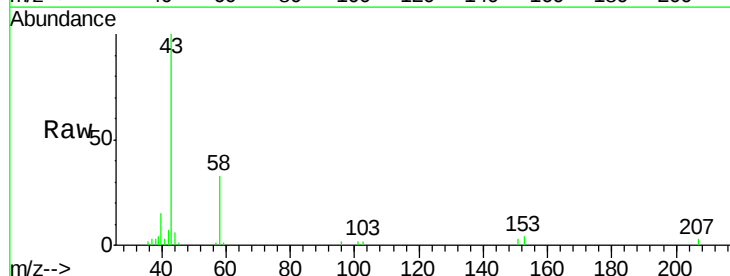
Acq: 05 Jun 2020 11:24

Tgt Ion: 43 Resp: 39204

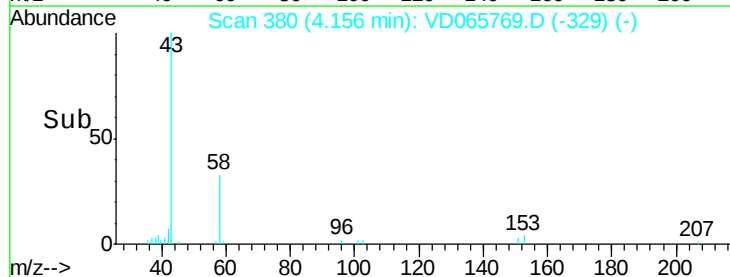
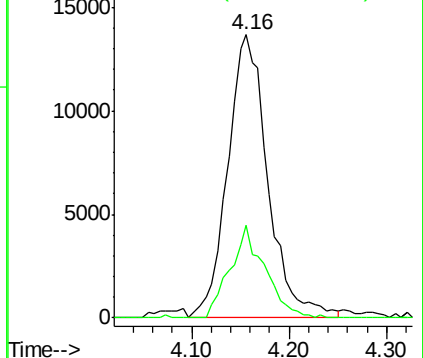
Ion Ratio Lower Upper

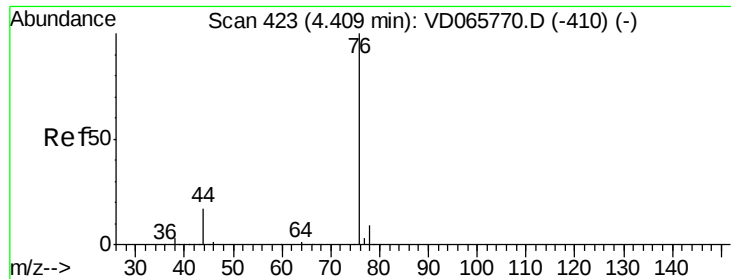
43 100

58 32.9 22.3 33.5



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

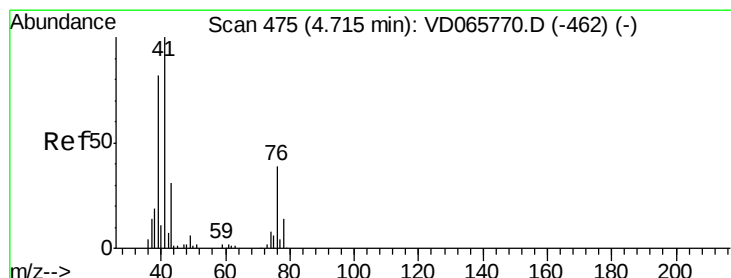
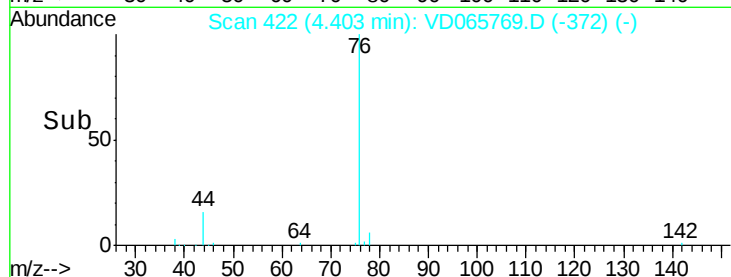
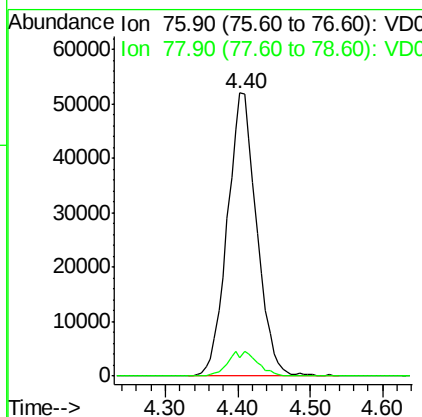
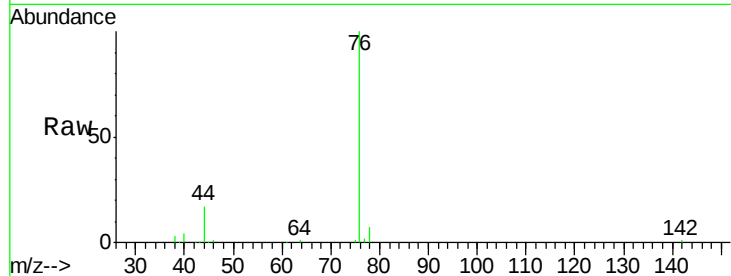




#17
Carbon Disulfide
Concen: 21.09 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

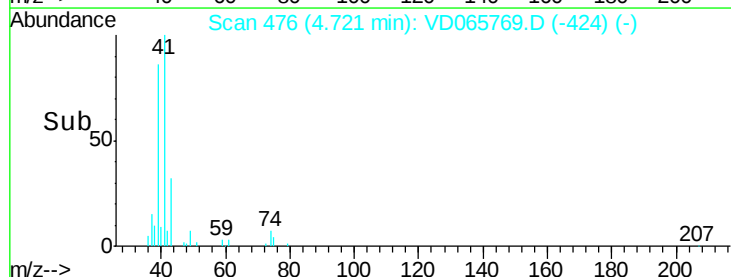
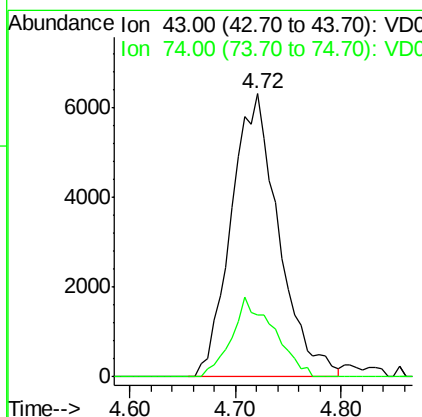
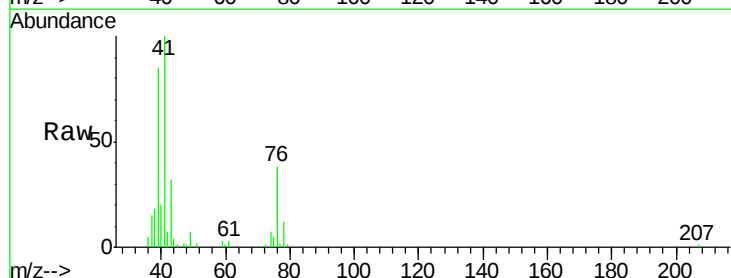
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

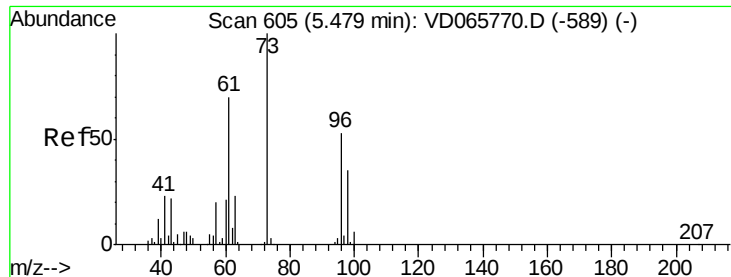
Tgt Ion: 76 Resp: 145923
Ion Ratio Lower Upper
76 100
78 6.7 7.1 10.7#



#18
Methyl Acetate
Concen: 17.44 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

Tgt Ion: 43 Resp: 19709
Ion Ratio Lower Upper
43 100
74 25.1 18.7 28.1

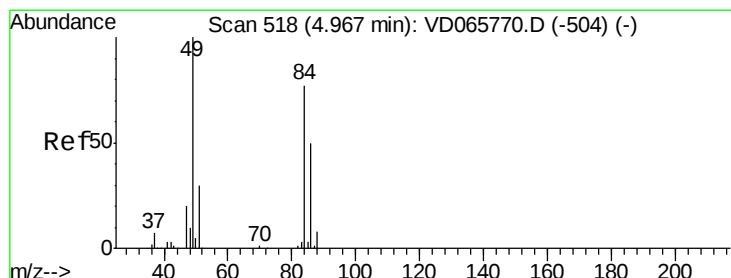
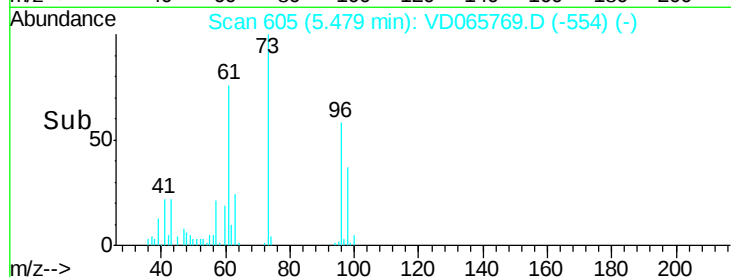
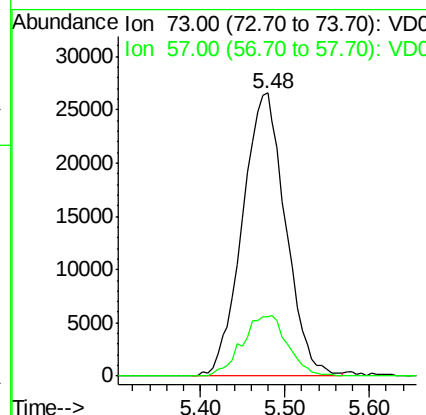
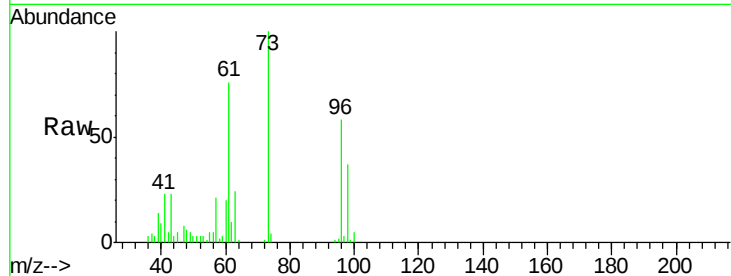




#19
Methyl tert-butyl Ether
Concen: 20.93 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

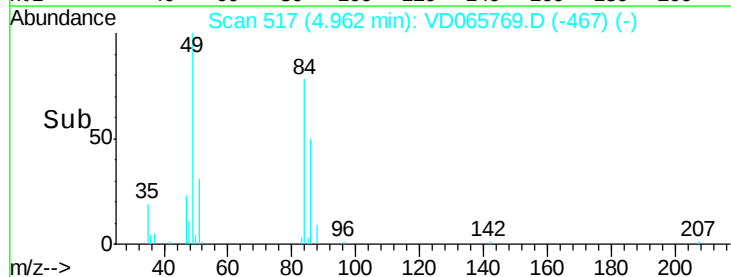
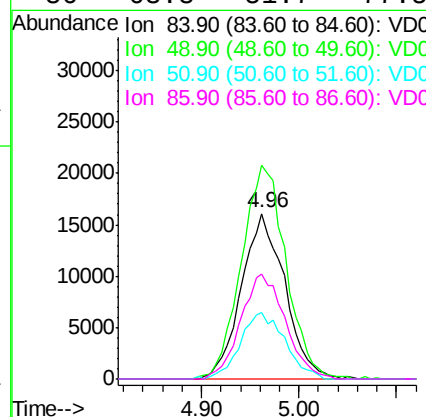
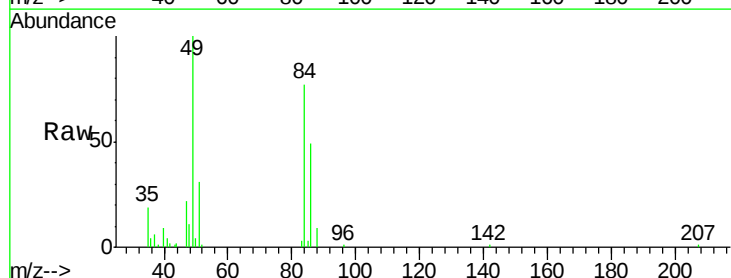
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

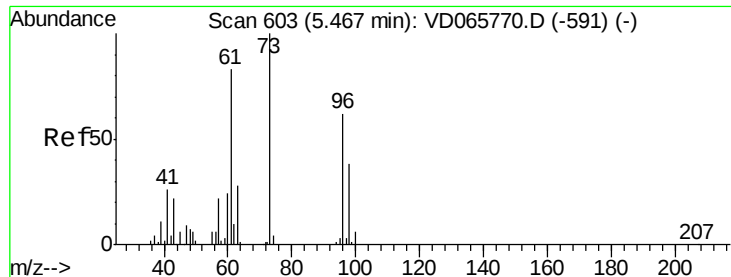
Tgt Ion: 73 Resp: 94539
Ion Ratio Lower Upper
73 100
57 21.0 16.2 24.2



#20
Methylene Chloride
Concen: 18.61 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

Tgt Ion: 84 Resp: 50056
Ion Ratio Lower Upper
84 100
49 129.2 103.4 155.0
51 40.3 31.4 47.2
86 63.8 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 19.89 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

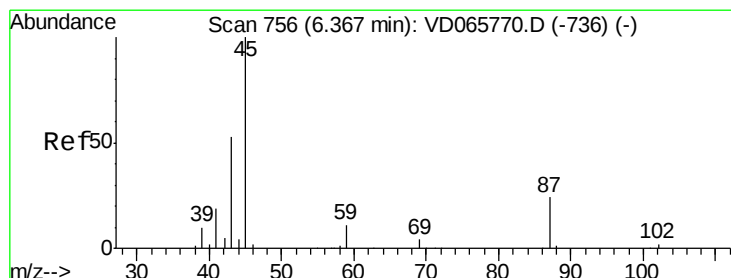
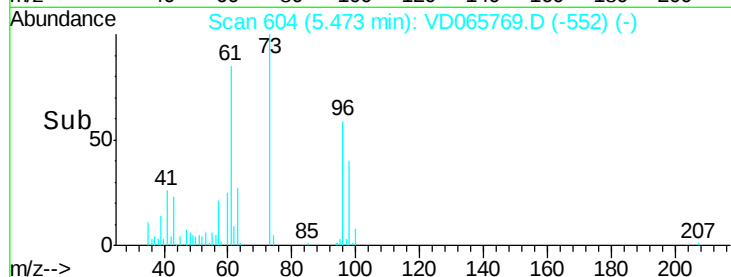
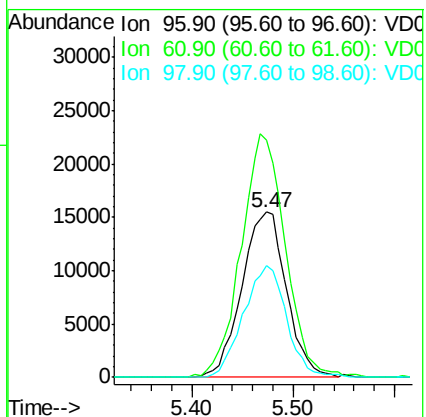
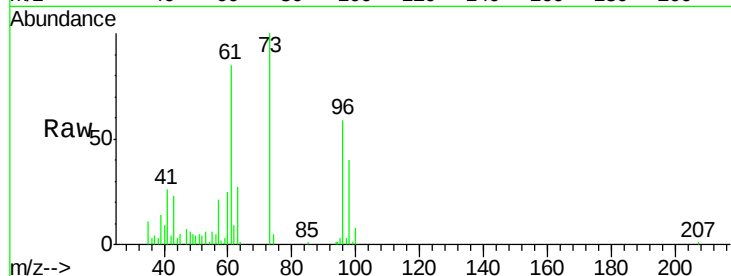
Tgt Ion: 96 Resp: 47210

Ion Ratio Lower Upper

96 100

61 144.0 107.7 161.5

98 67.4 49.3 73.9



#22

Diisopropyl ether

Concen: 20.91 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

Tgt Ion: 45 Resp: 139899

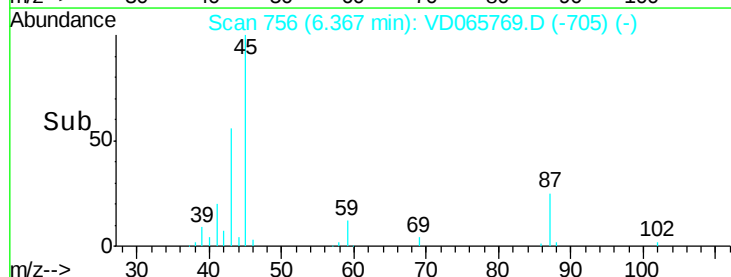
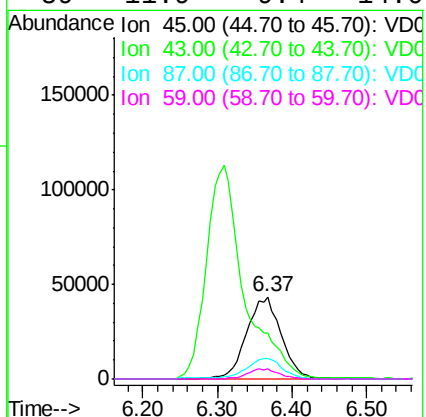
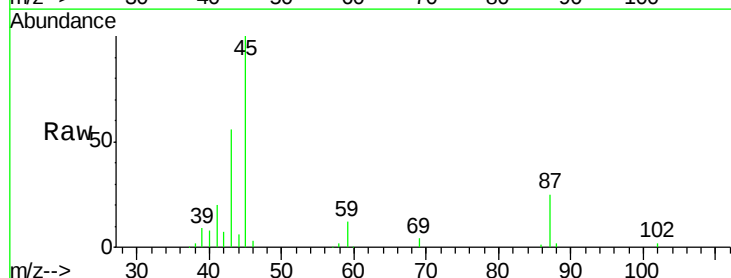
Ion Ratio Lower Upper

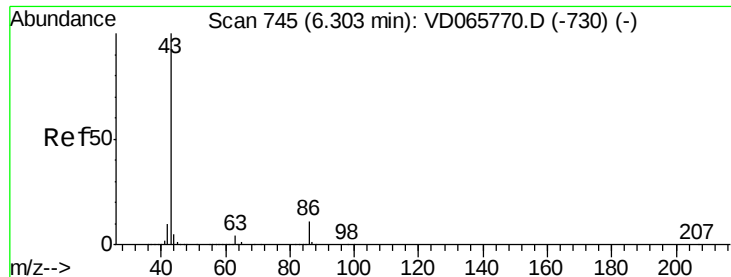
45 100

43 54.5 43.4 65.0

87 25.0 20.2 30.4

59 11.9 9.4 14.0





#23

Vinyl Acetate

Concen: 108.11 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

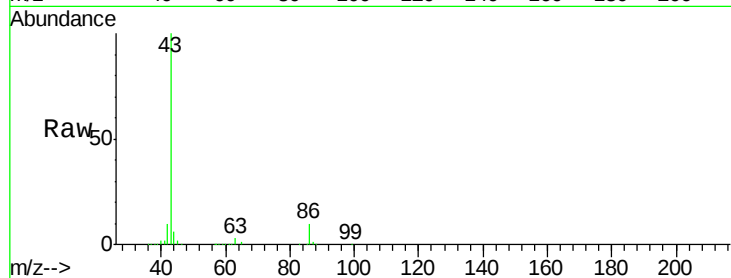
VSTDIC020

Tgt Ion: 43 Resp: 396218

Ion Ratio Lower Upper

43 100

86 9.9 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

120000

100000

80000

60000

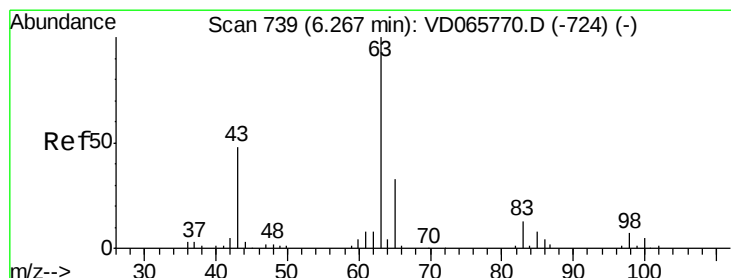
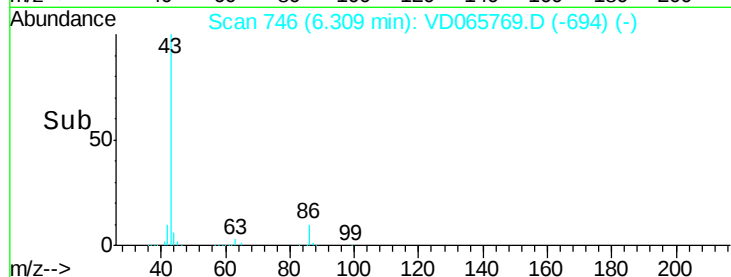
40000

20000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 20.48 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

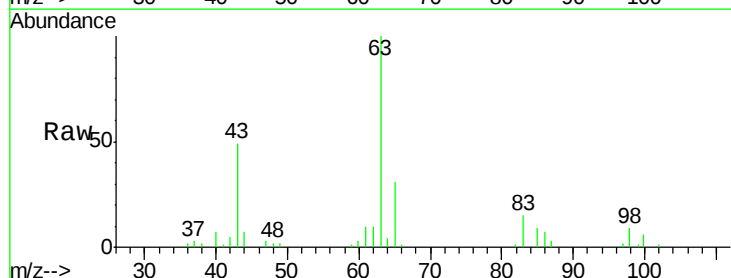
Tgt Ion: 63 Resp: 84854

Ion Ratio Lower Upper

63 100

98 8.6 3.5 10.5

100 5.6 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

30000

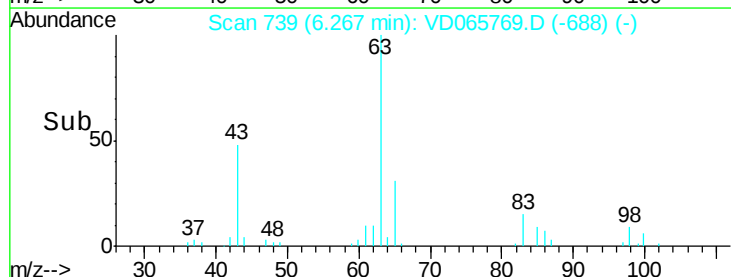
20000

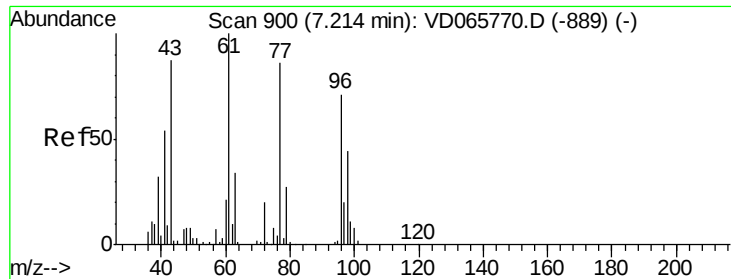
10000

0

Time-->

6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 98.37 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

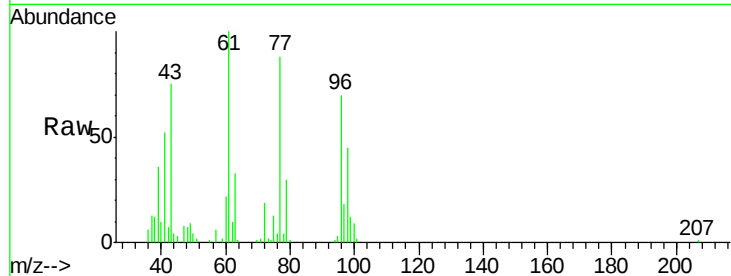
VSTDIC020

Tgt Ion: 43 Resp: 55626

Ion Ratio Lower Upper

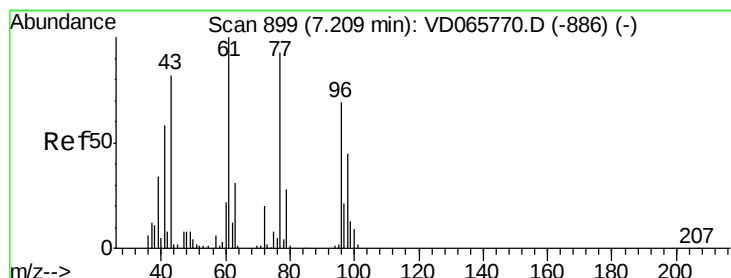
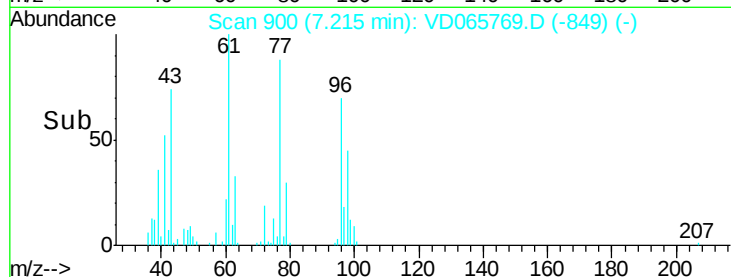
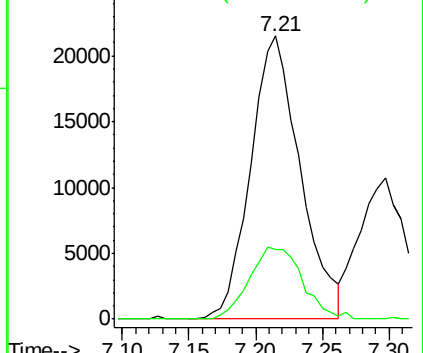
43 100

72 24.8 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: 20.02 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065769.D

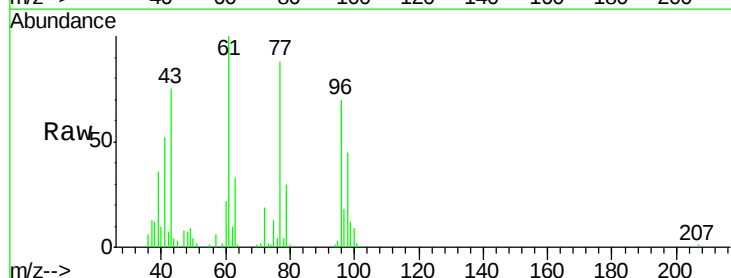
Acq: 05 Jun 2020 11:24

Tgt Ion: 77 Resp: 73726

Ion Ratio Lower Upper

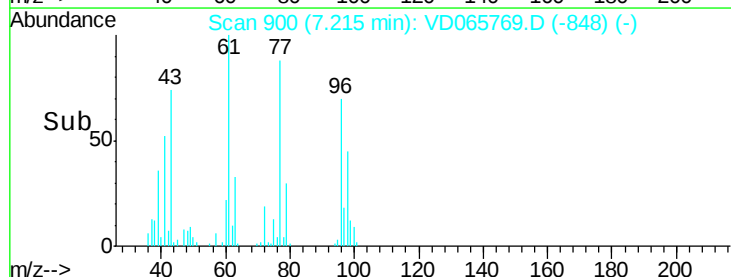
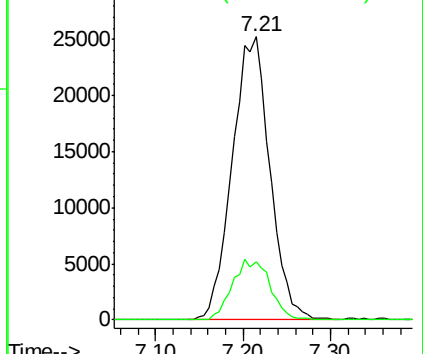
77 100

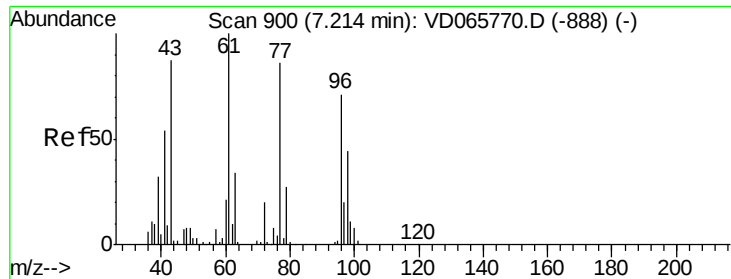
97 21.1 10.9 32.7



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: 21.02 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

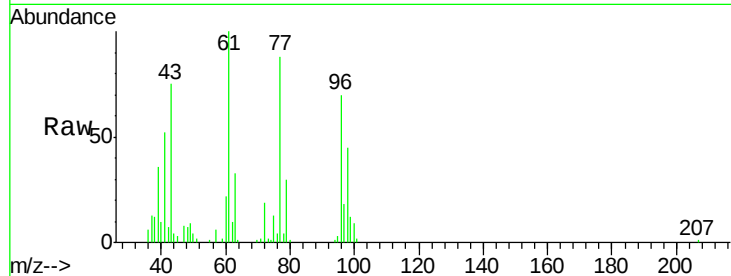
Tgt Ion: 96 Resp: 53139

Ion Ratio Lower Upper

96 100

61 142.1 0.0 291.2

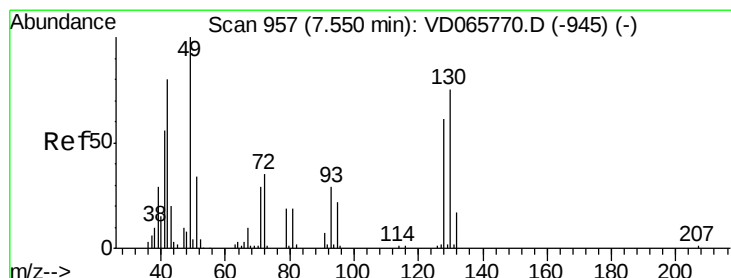
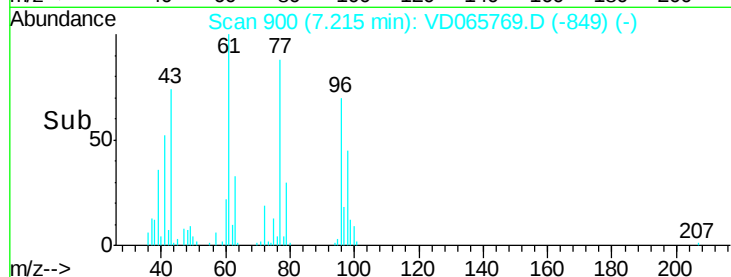
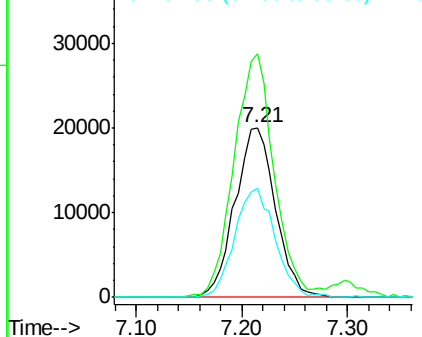
98 64.4 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 19.66 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

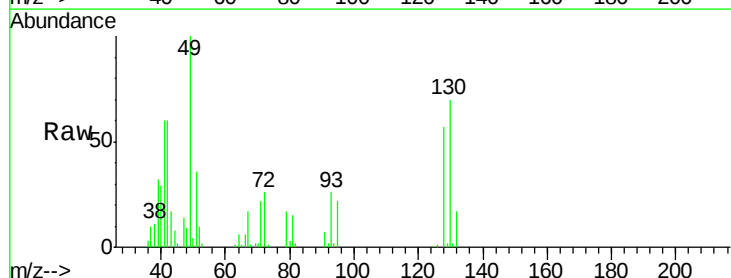
Tgt Ion: 49 Resp: 30733

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.6

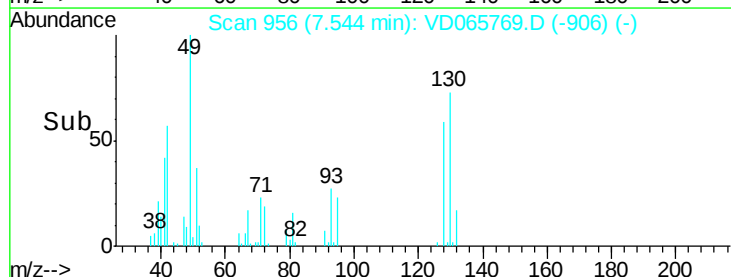
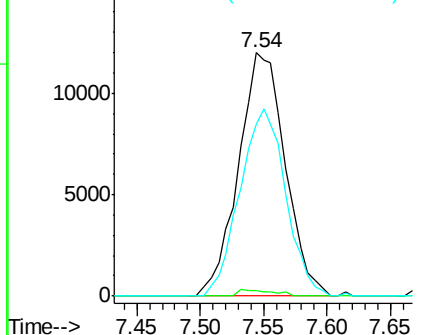
130 75.2 59.5 89.3

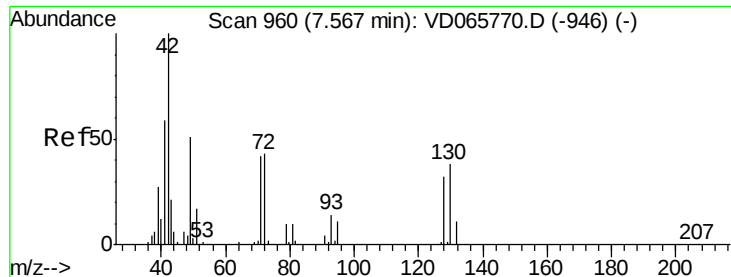


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

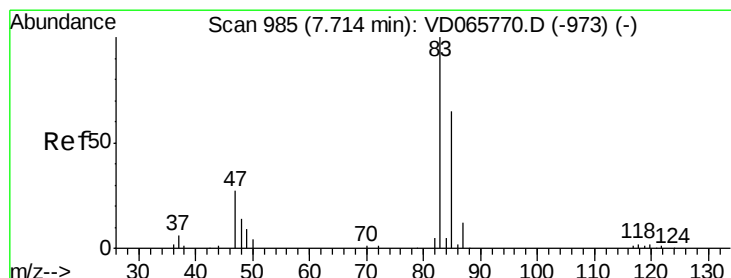
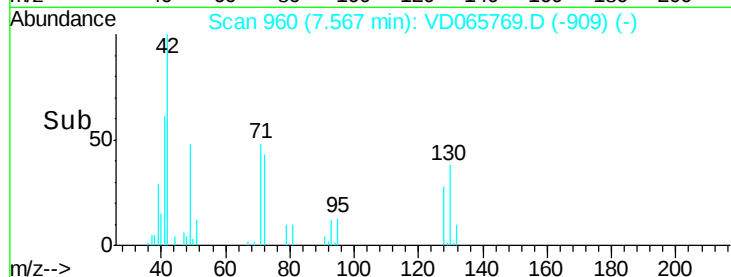
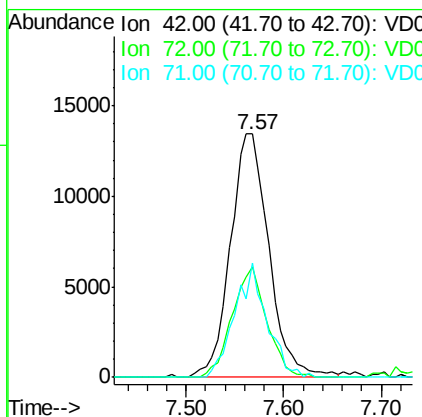
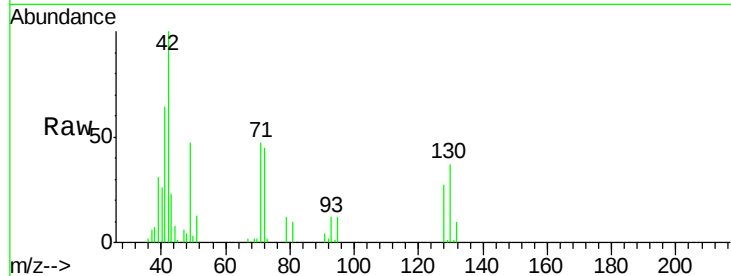




#29
Tetrahydrofuran
Concen: 103.27 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

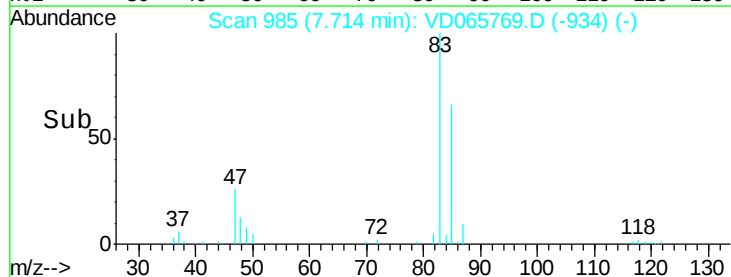
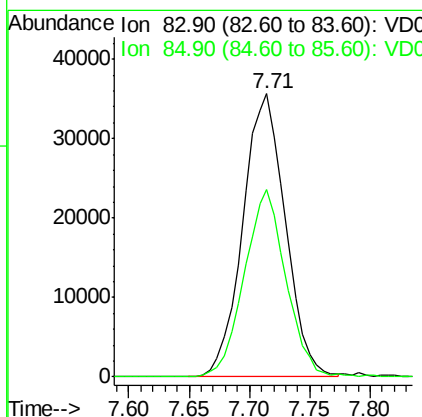
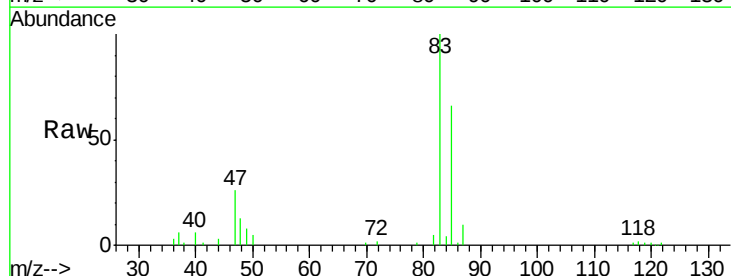
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

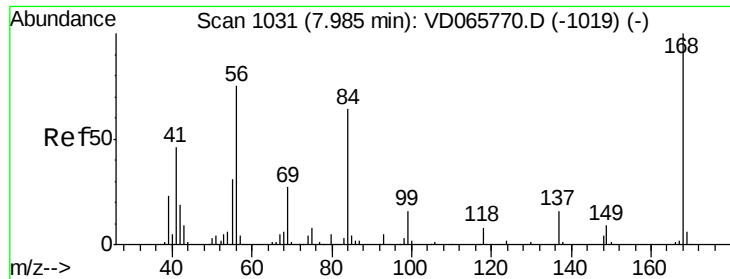
Tgt Ion: 42 Resp: 36757
Ion Ratio Lower Upper
42 100
72 41.0 34.9 52.3
71 39.2 31.2 46.8



#30
Chloroform
Concen: 20.37 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

Tgt Ion: 83 Resp: 87242
Ion Ratio Lower Upper
83 100
85 66.1 51.9 77.9

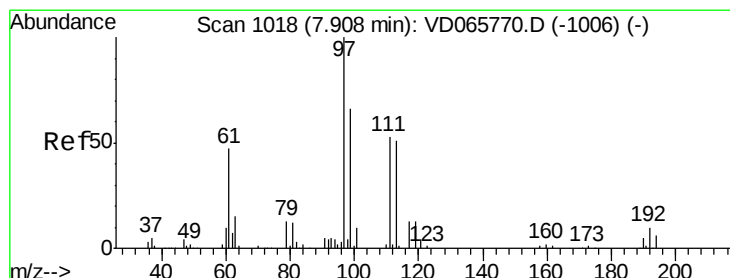
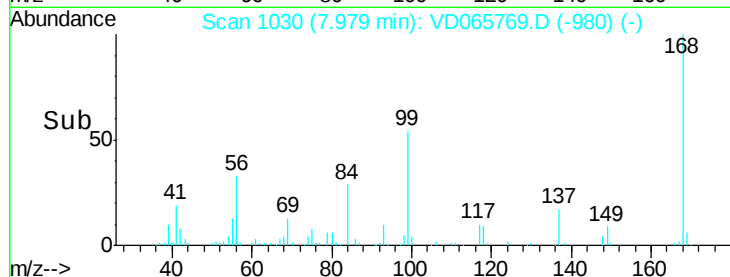
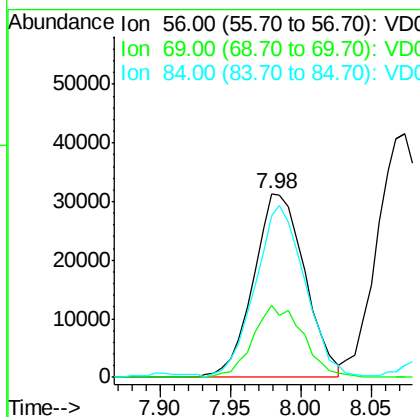
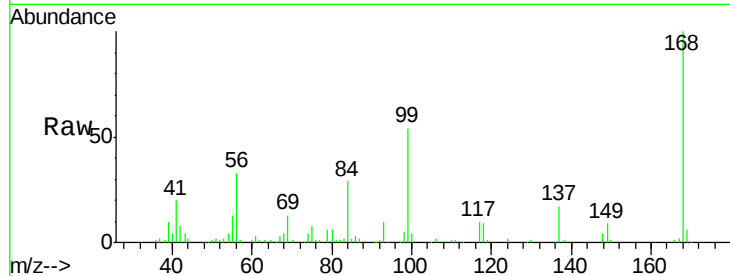




#31
Cyclohexane
Concen: 19.57 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

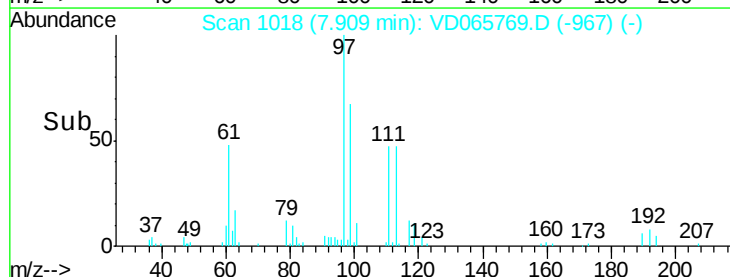
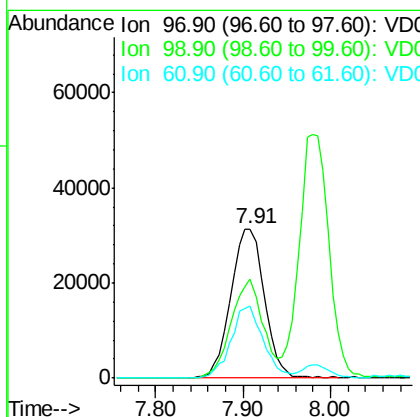
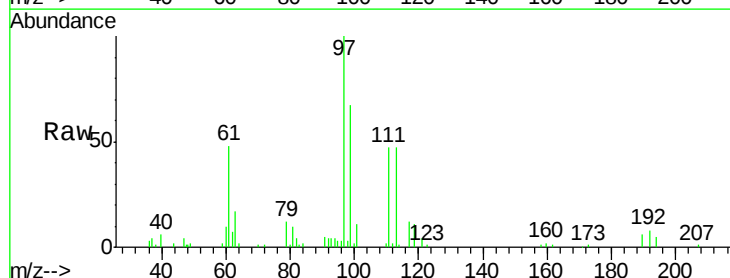
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

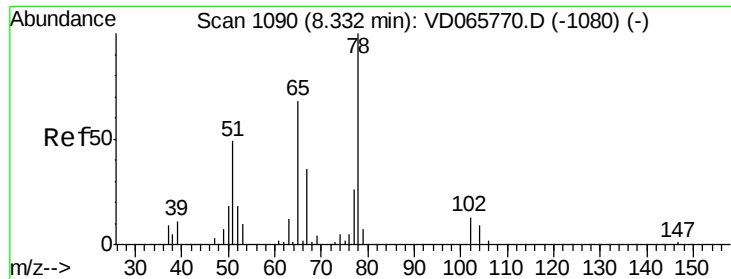
Tgt Ion: 56 Resp: 79793
Ion Ratio Lower Upper
56 100
69 39.1 28.5 42.7
84 87.1 68.4 102.6



#32
1,1,1-Trichloroethane
Concen: 20.70 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

Tgt Ion: 97 Resp: 81737
Ion Ratio Lower Upper
97 100
99 62.4 49.2 73.8
61 45.9 36.0 54.0

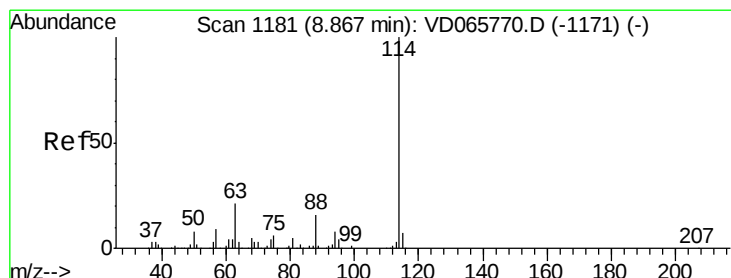
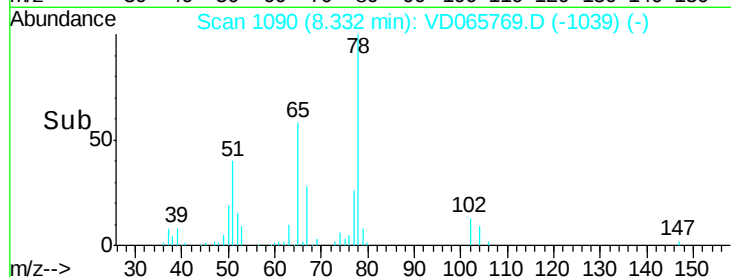
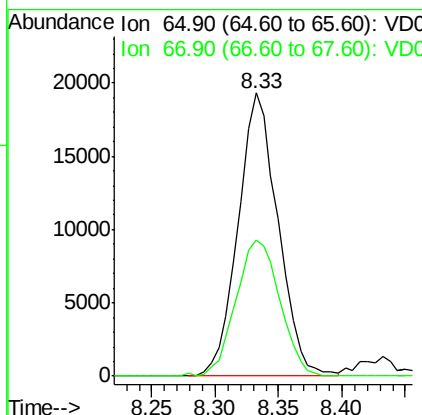
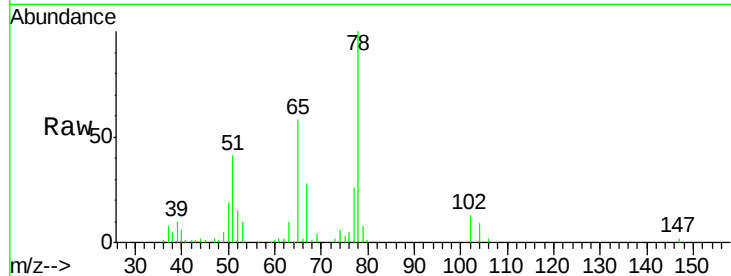




#33
 1,2-Dichloroethane-d4
 Concen: 19.48 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065769.D
 Acq: 05 Jun 2020 11:24

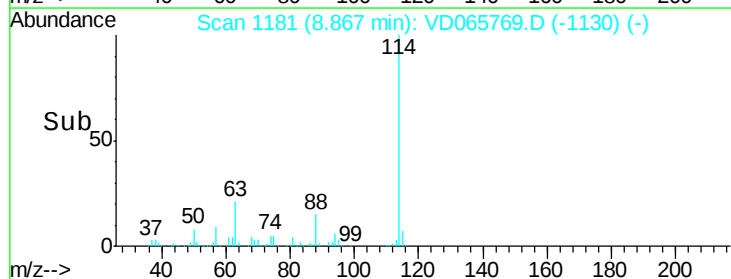
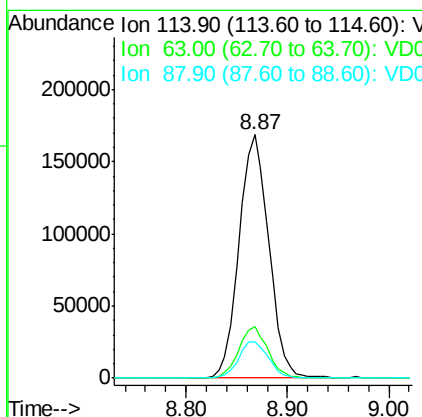
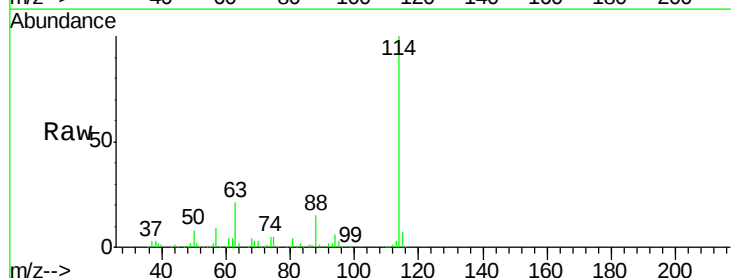
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

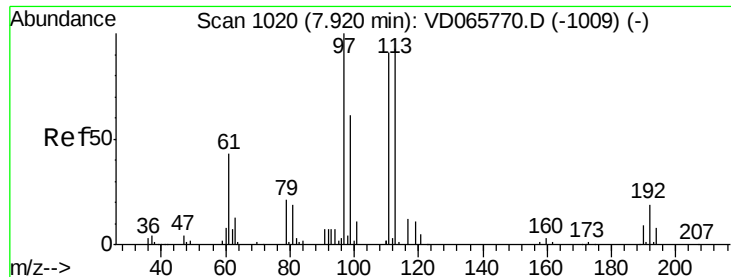
Tgt Ion: 65 Resp: 42246
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065769.D
 Acq: 05 Jun 2020 11:24

Tgt Ion: 114 Resp: 343709
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 41.8
 88 14.7 0.0 32.0





#35

Dibromofluoromethane

Concen: 18.76 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

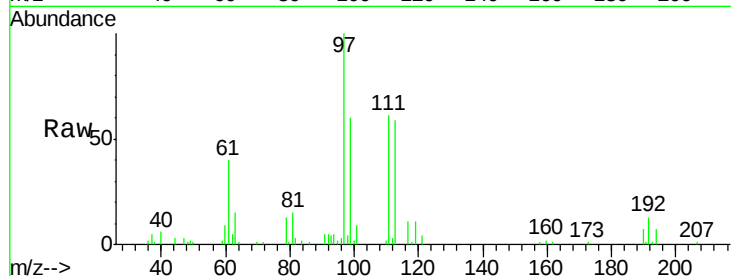
Tgt Ion:113 Resp: 40865

Ion Ratio Lower Upper

113 100

111 106.1 83.4 125.0

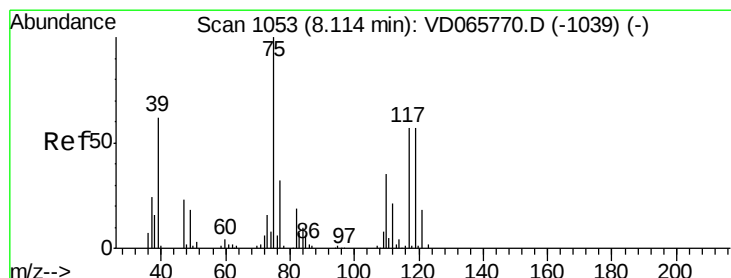
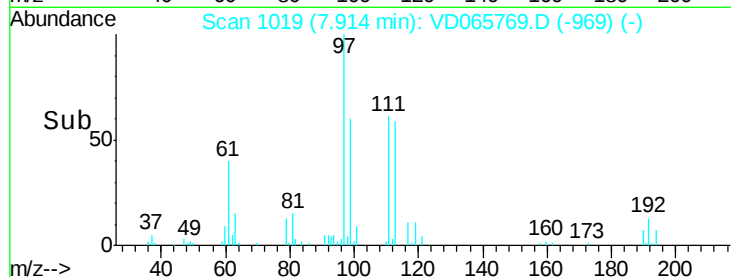
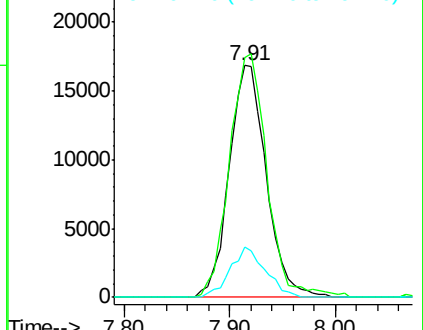
192 20.3 15.7 23.5



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: 20.58 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

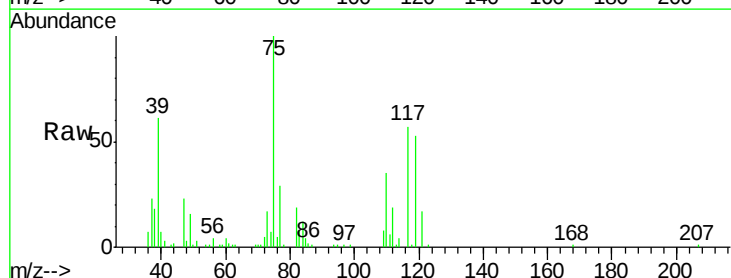
Tgt Ion: 75 Resp: 69549

Ion Ratio Lower Upper

75 100

110 35.2 17.6 52.8

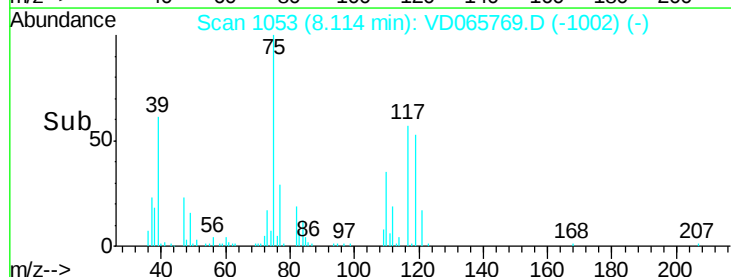
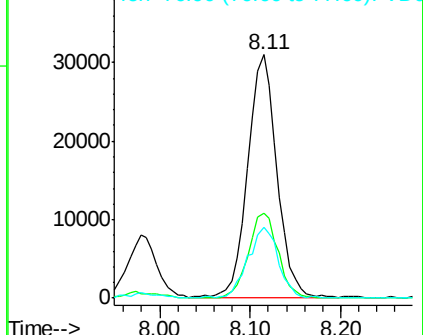
77 30.0 25.1 37.7

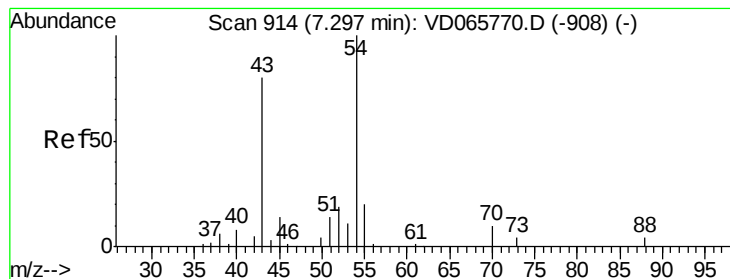


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 19.26 ug/l

RT: 7.30 min Scan# 914

Delta R.T. 0.00 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

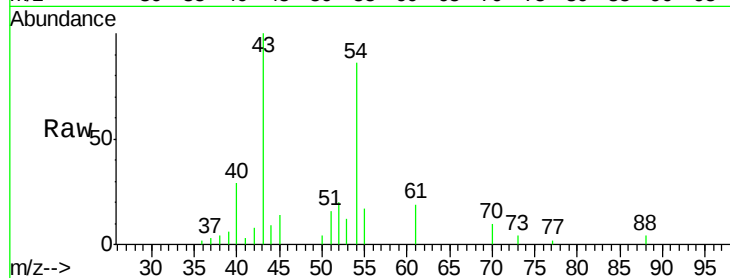
Tgt Ion: 43 Resp: 25304

Ion Ratio Lower Upper

43 100

61 17.7 10.6 15.8#

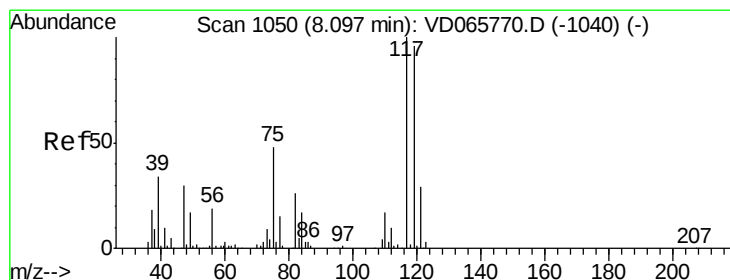
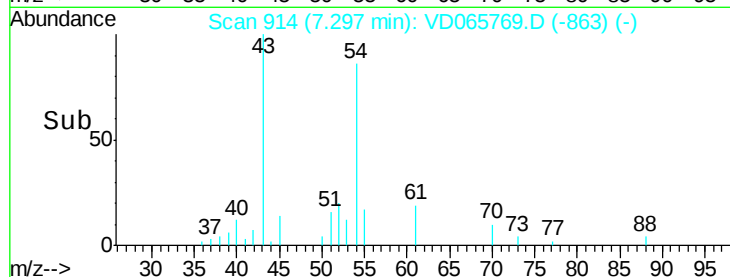
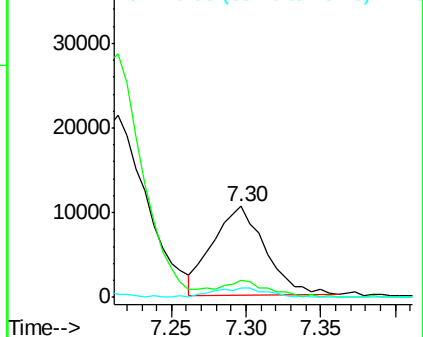
70 11.3 7.5 11.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 20.88 ug/l

RT: 8.10 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

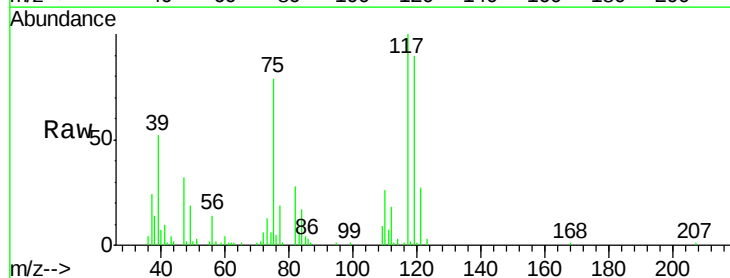
Tgt Ion: 117 Resp: 74023

Ion Ratio Lower Upper

117 100

119 90.0 76.8 115.2

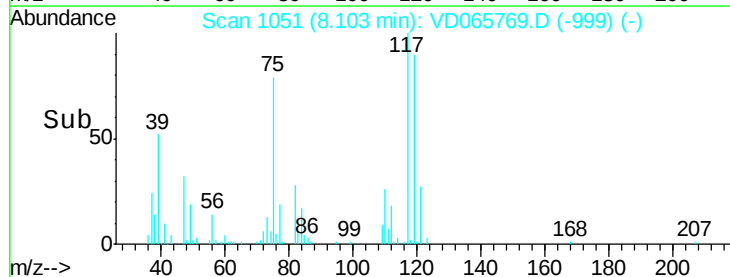
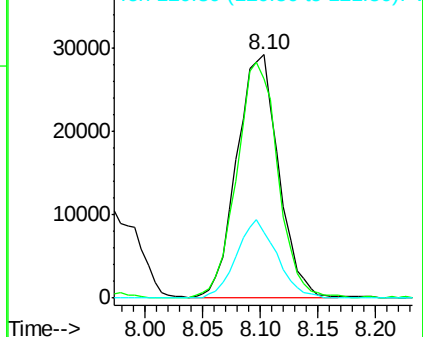
121 27.2 23.4 35.2

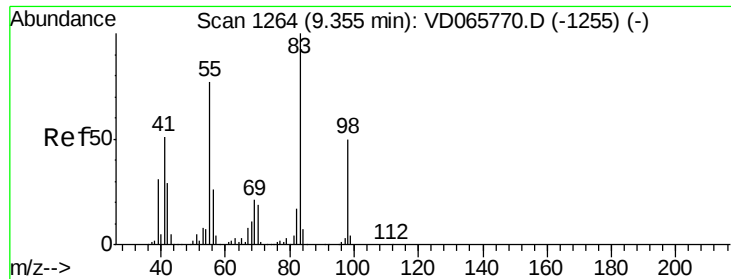


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

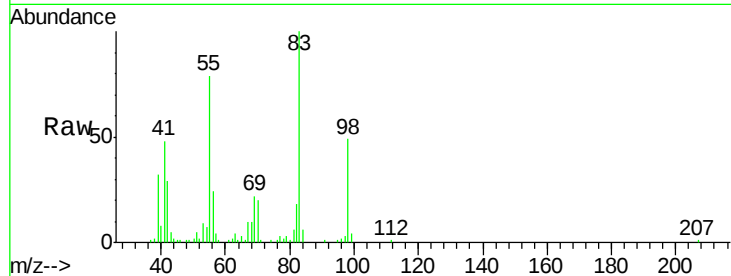




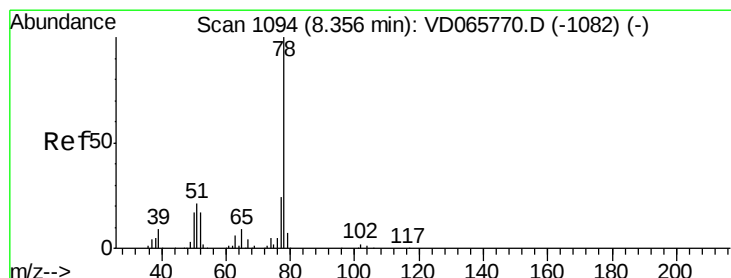
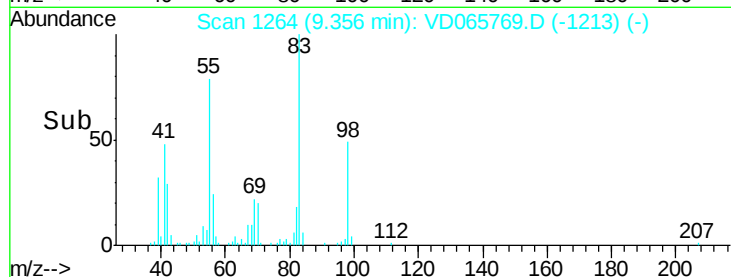
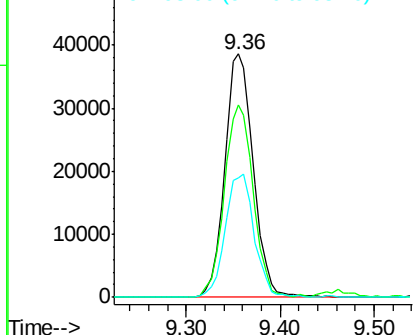
#39
Methylcyclohexane
Concen: 20.63 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 80933
Ion Ratio Lower Upper
83 100
55 78.9 61.6 92.4
98 49.2 40.2 60.2

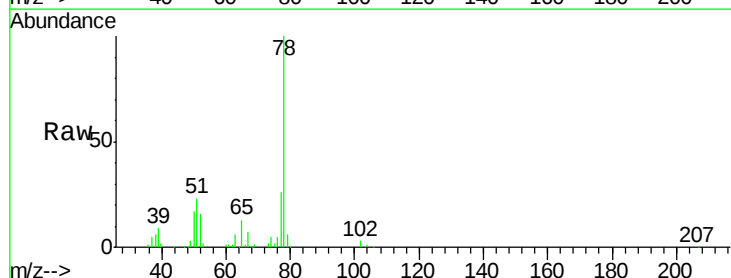


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

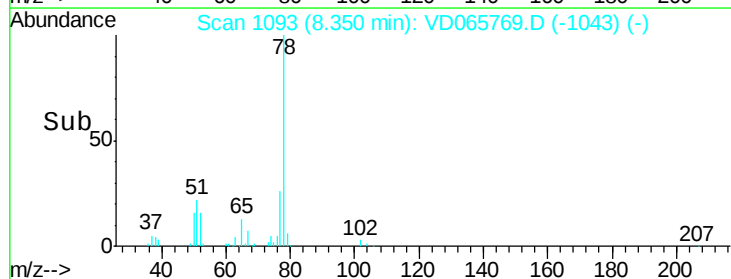
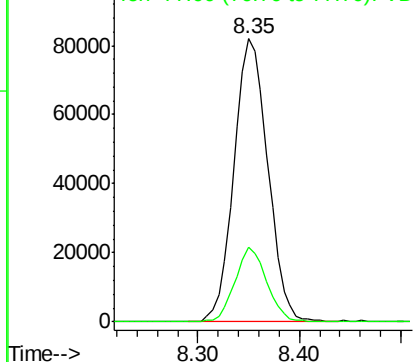


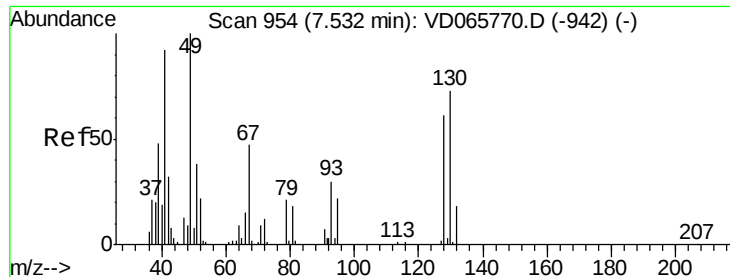
#40
Benzene
Concen: 20.83 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

Tgt Ion: 78 Resp: 190205
Ion Ratio Lower Upper
78 100
77 26.2 19.2 28.8



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





#41

Methacrylonitrile

Concen: 47.01 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.03 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 38522

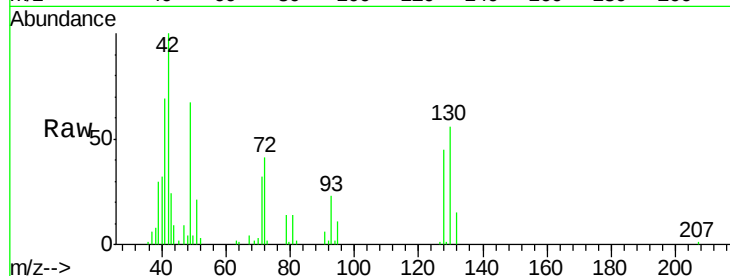
Ion Ratio Lower Upper

41 100

39 55.1 38.3 57.5

67 0.0 49.8 74.6#

52 0.0 21.7 32.5#

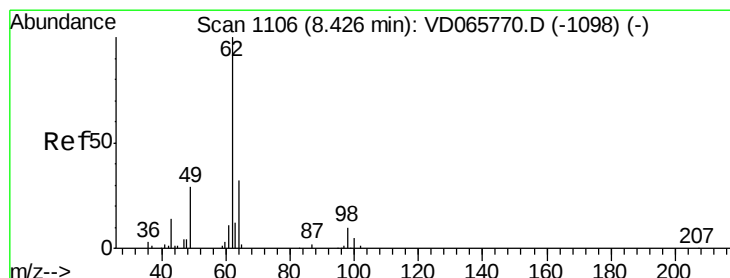
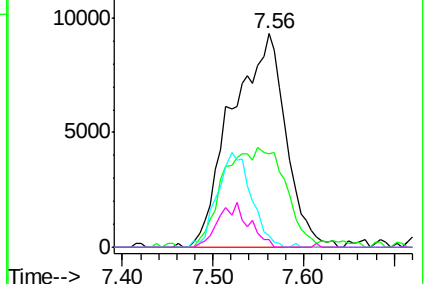
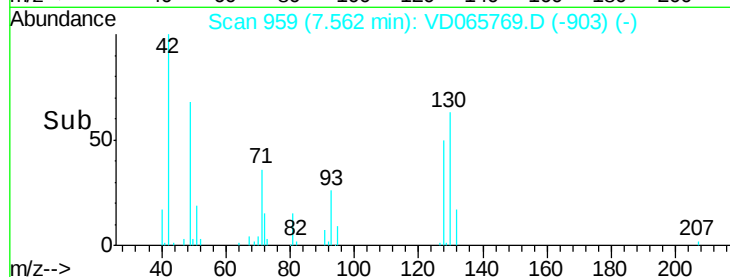


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 20.30 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD065769.D

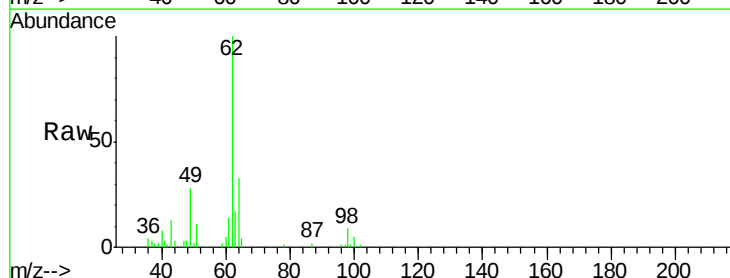
Acq: 05 Jun 2020 11:24

Tgt Ion: 62 Resp: 56740

Ion Ratio Lower Upper

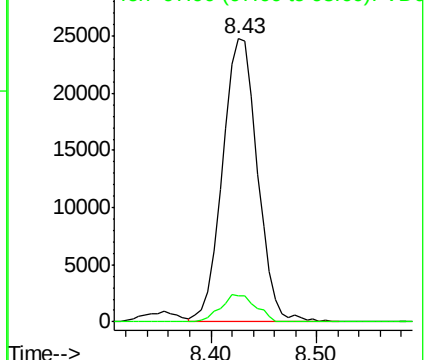
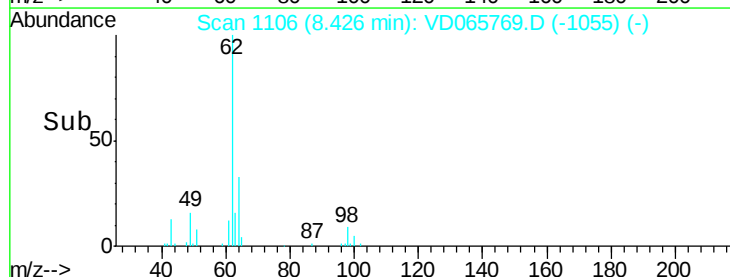
62 100

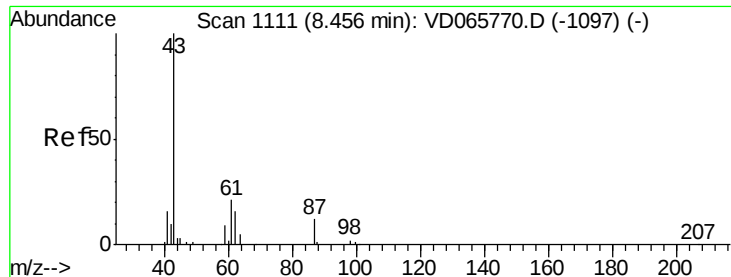
98 9.7 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

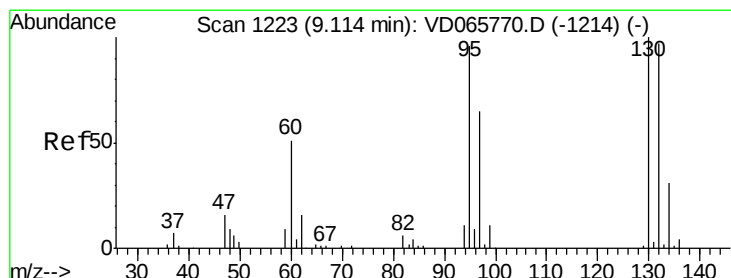
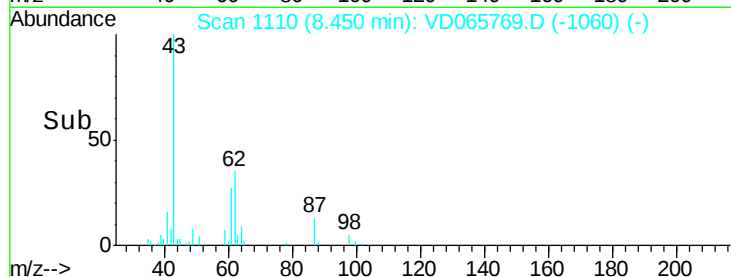
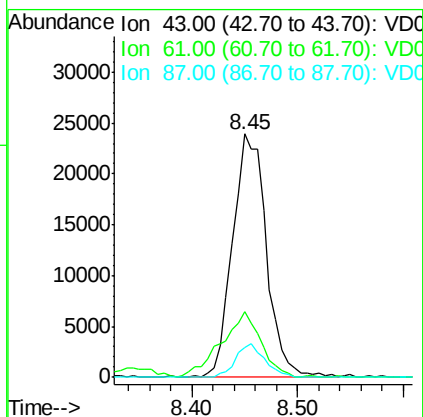
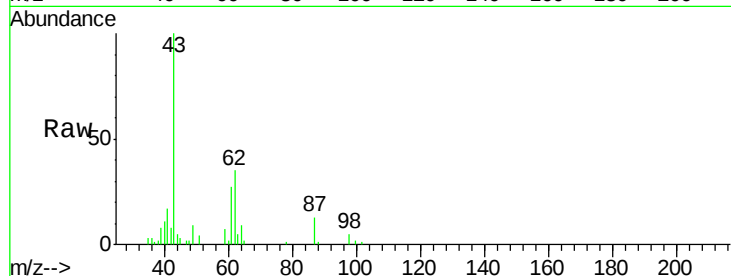




#43
Isopropyl Acetate
Concen: 20.59 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

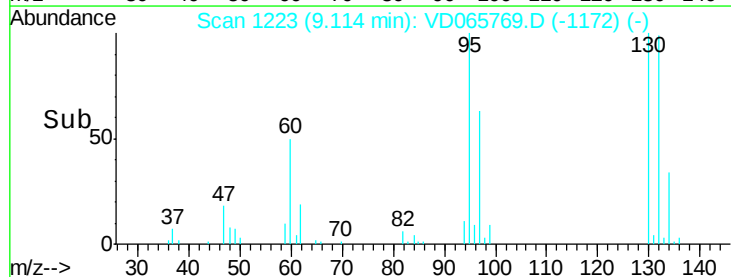
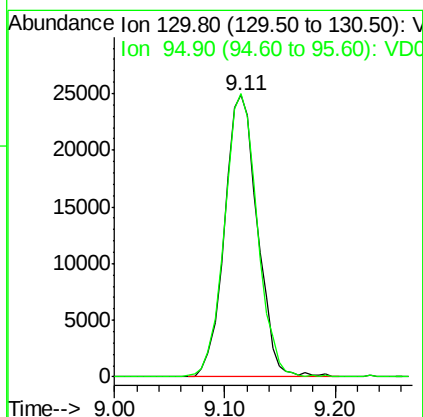
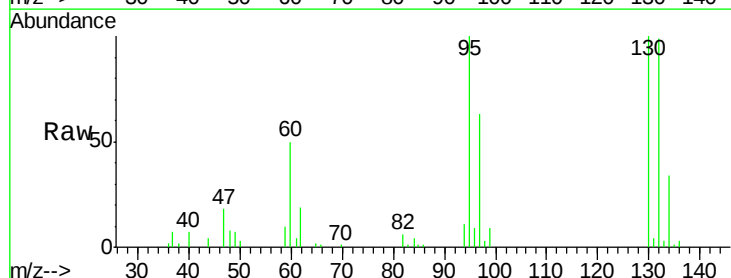
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

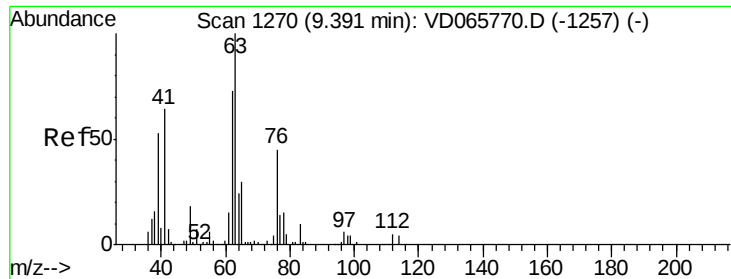
Tgt Ion: 43 Resp: 53084
Ion Ratio Lower Upper
43 100
61 31.6 24.2 36.4
87 11.8 9.5 14.3



#44
Trichloroethene
Concen: 20.44 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

Tgt Ion: 130 Resp: 51845
Ion Ratio Lower Upper
130 100
95 100.5 0.0 192.8





#45

1,2-Dichloropropane

Concen: 20.48 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

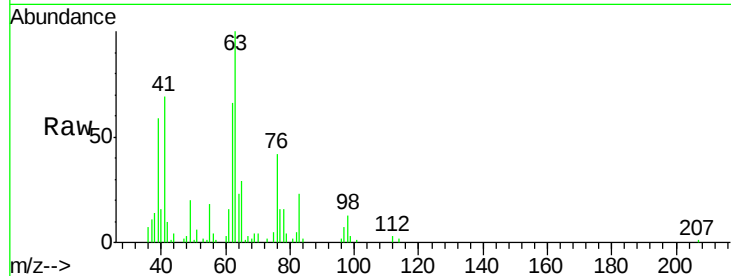
VSTDIC020

Tgt Ion: 63 Resp: 47282

Ion Ratio Lower Upper

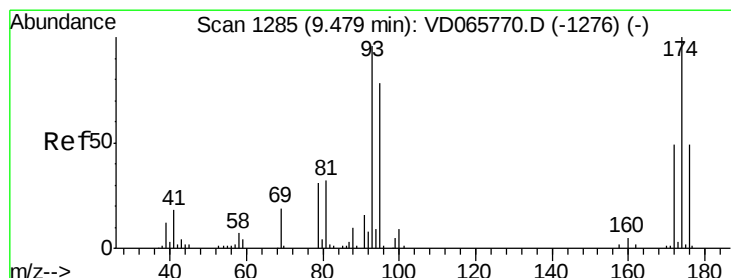
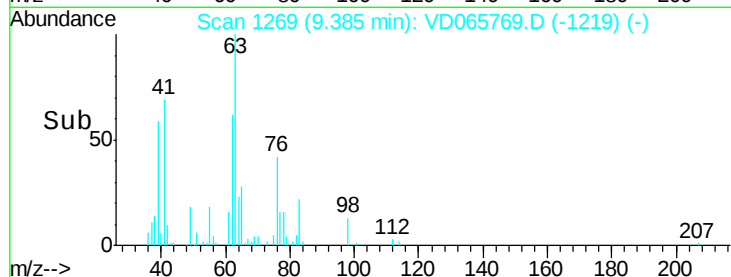
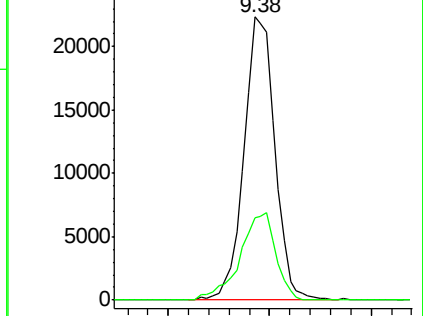
63 100

65 29.3 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: 20.25 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

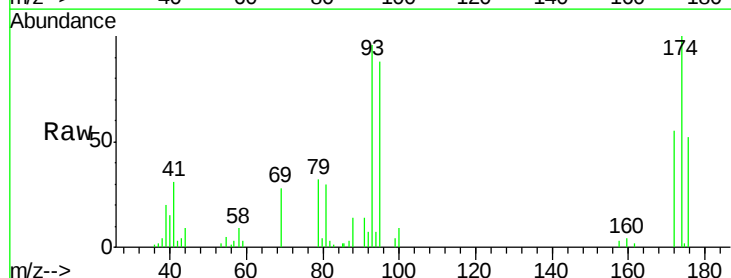
Tgt Ion: 93 Resp: 25210

Ion Ratio Lower Upper

93 100

95 82.5 65.8 98.6

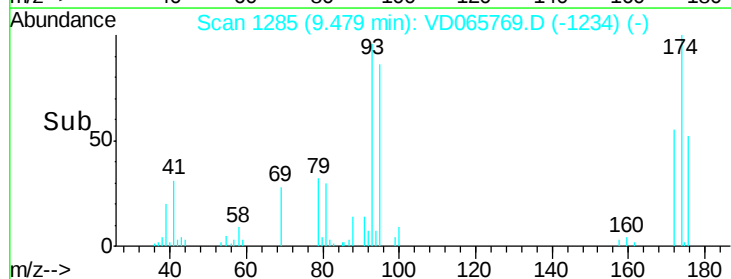
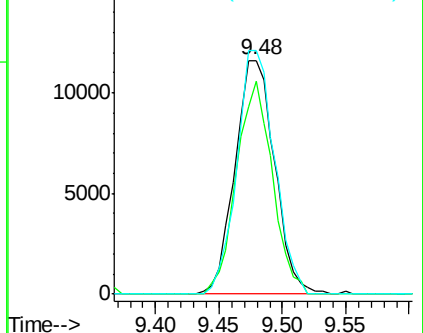
174 98.8 80.9 121.3

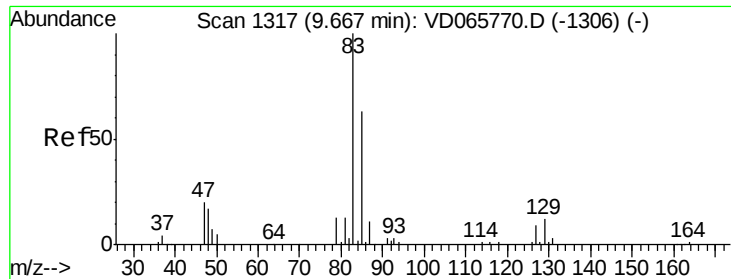


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

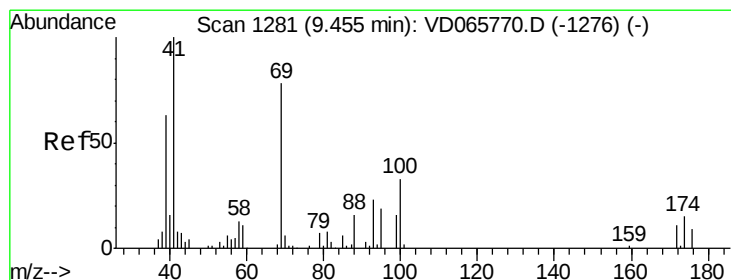
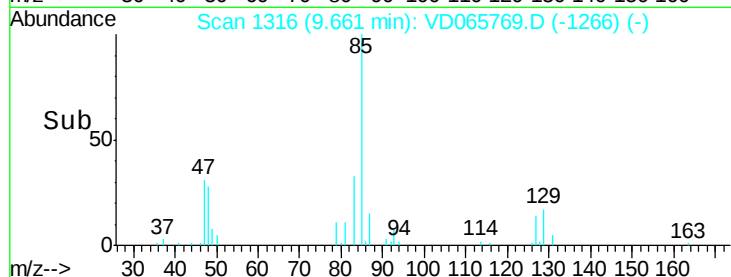
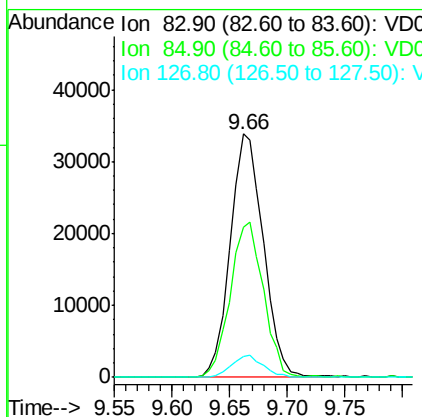
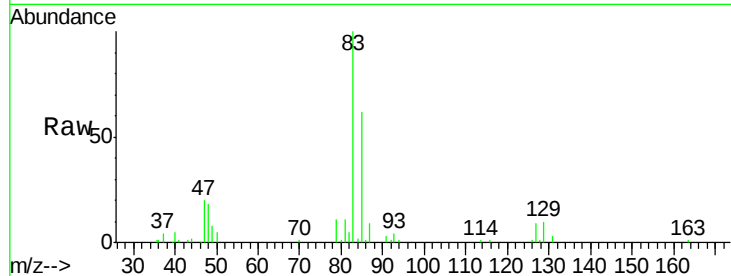




#47
Bromodichloromethane
Concen: 20.12 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

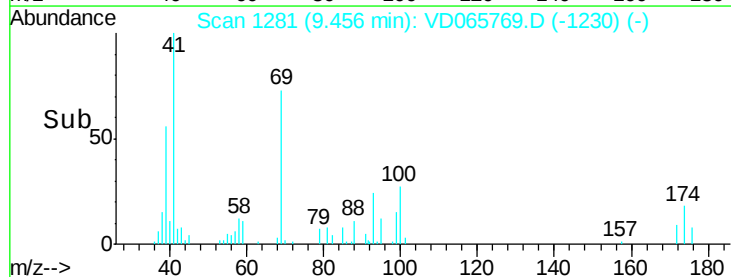
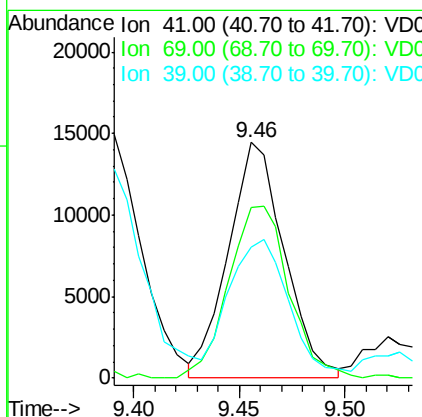
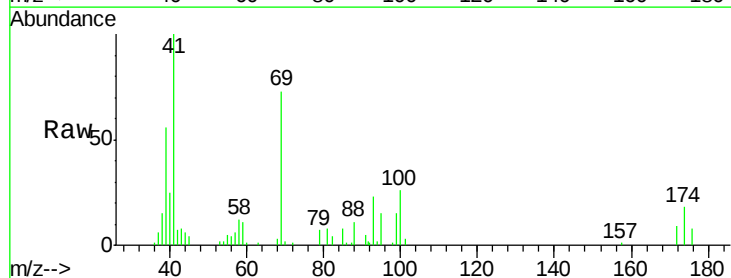
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

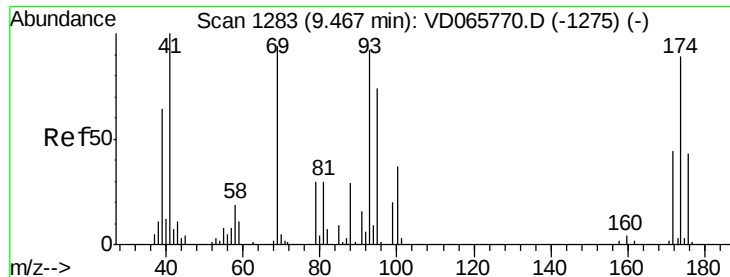
Tgt Ion: 83 Resp: 67461
Ion Ratio Lower Upper
83 100
85 61.8 50.7 76.1
127 8.7 7.1 10.7



#48
Methyl methacrylate
Concen: 21.09 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

Tgt Ion: 41 Resp: 26616
Ion Ratio Lower Upper
41 100
69 78.5 60.9 91.3
39 62.2 48.1 72.1





#49

1,4-Dioxane

Concen: 418.62 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

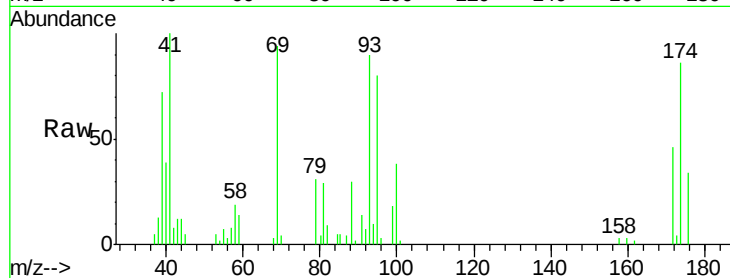
Tgt Ion: 88 Resp: 5477

Ion Ratio Lower Upper

88 100

43 38.3 32.2 48.4

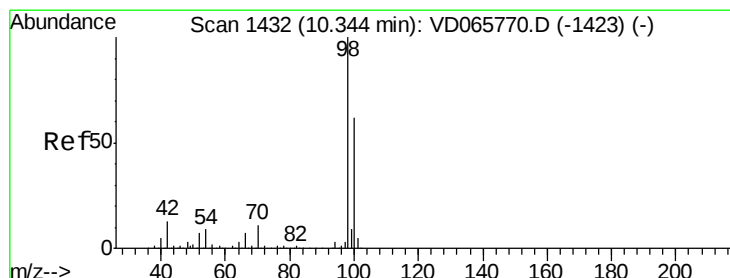
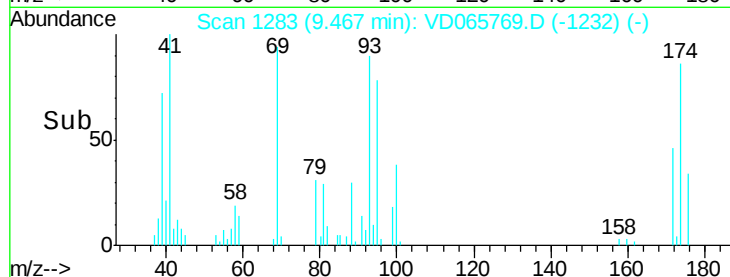
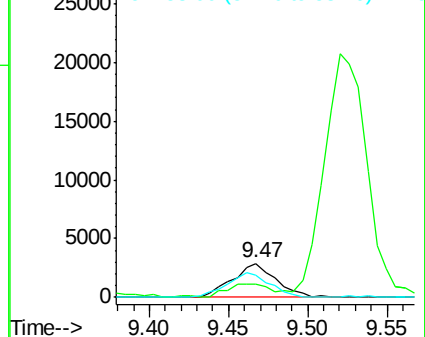
58 71.4 54.9 82.3



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: 18.93 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065769.D

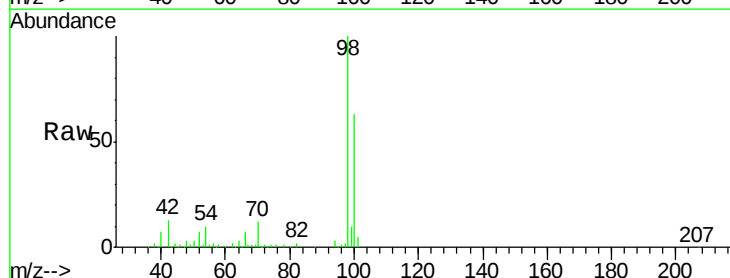
Acq: 05 Jun 2020 11:24

Tgt Ion: 98 Resp: 150079

Ion Ratio Lower Upper

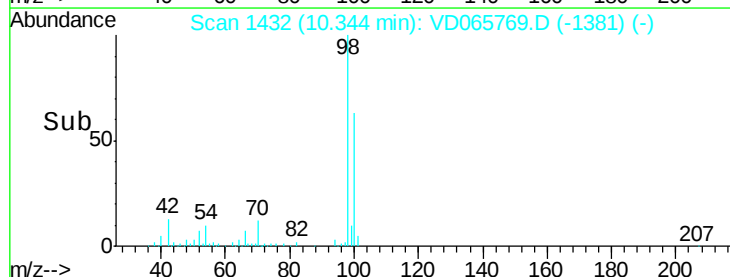
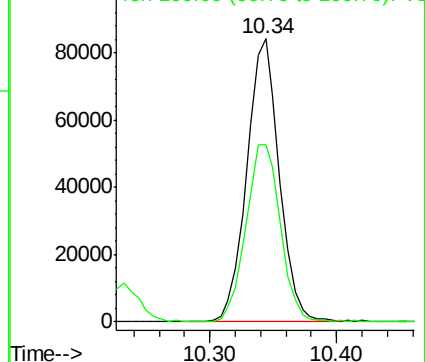
98 100

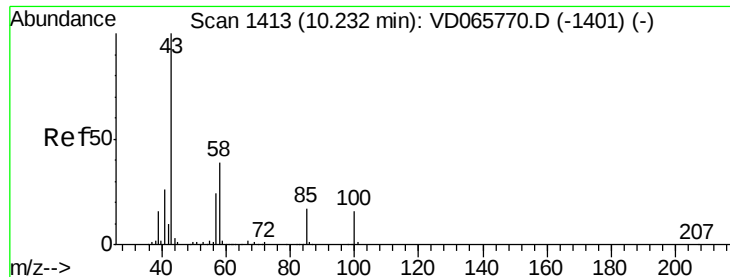
100 66.7 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

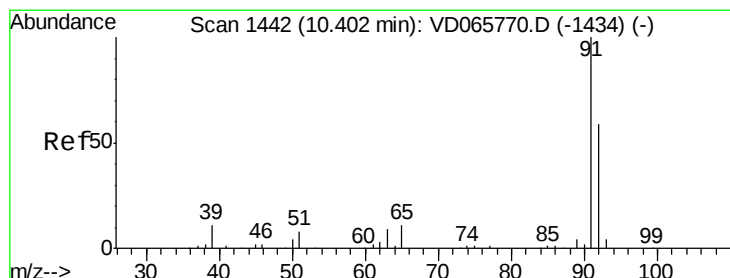
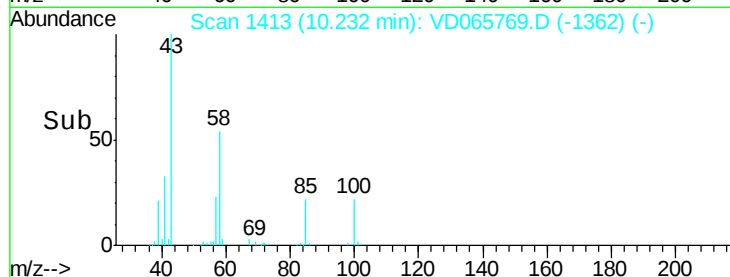
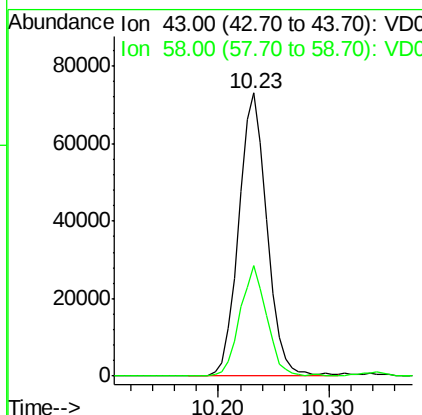
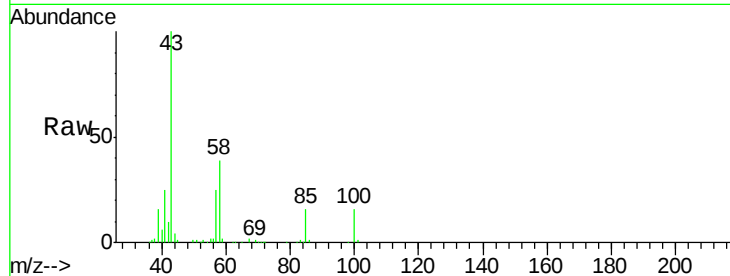




#51
4-Methyl-2-Pentanone
Concen: 104.64 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

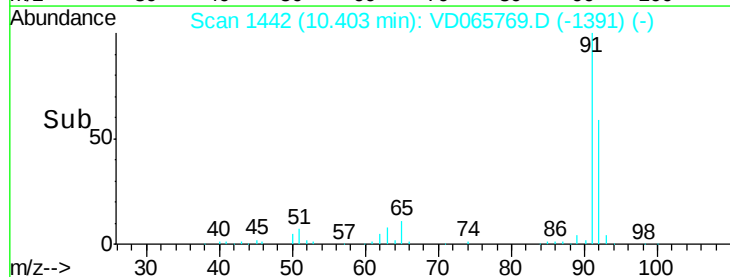
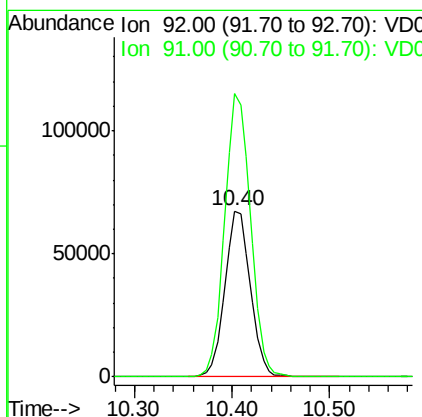
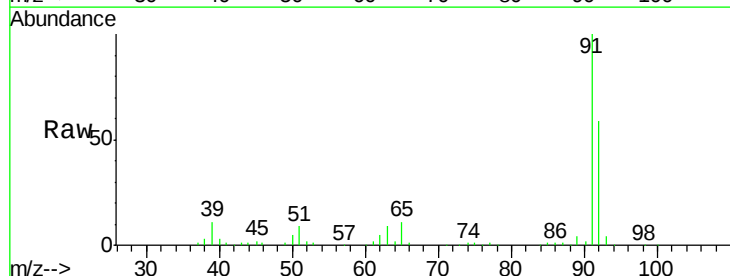
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

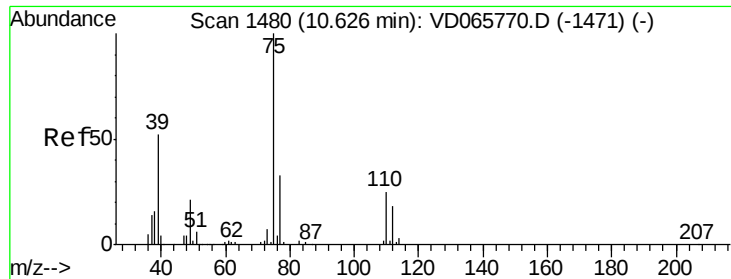
Tgt Ion: 43 Resp: 131538
Ion Ratio Lower Upper
43 100
58 36.8 30.7 46.1



#52
Toluene
Concen: 20.96 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

Tgt Ion: 92 Resp: 122635
Ion Ratio Lower Upper
92 100
91 172.8 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 20.70 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

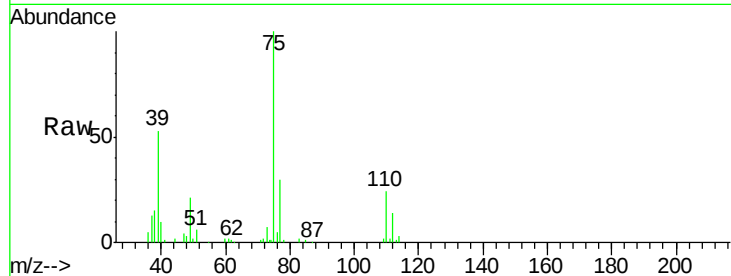
VSTDIC020

Tgt Ion: 75 Resp: 61149

Ion Ratio Lower Upper

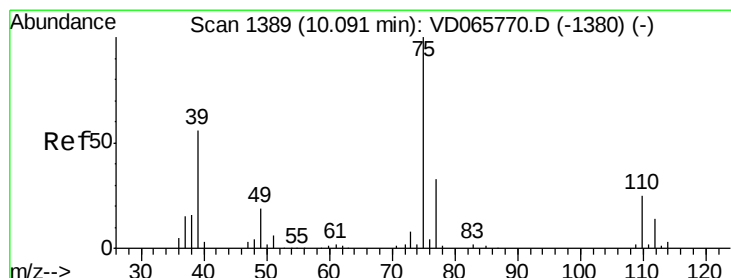
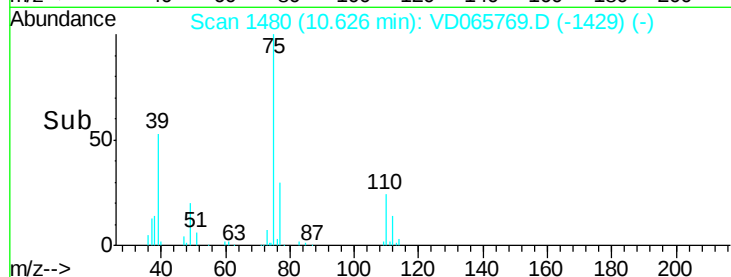
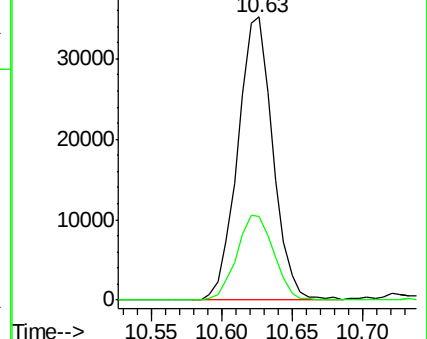
75 100

77 29.5 26.4 39.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.84 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

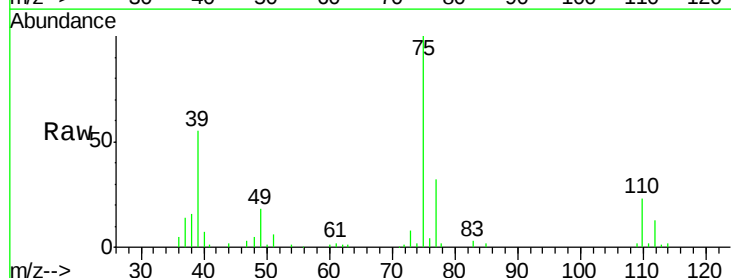
Tgt Ion: 75 Resp: 72946

Ion Ratio Lower Upper

75 100

77 32.4 26.0 39.0

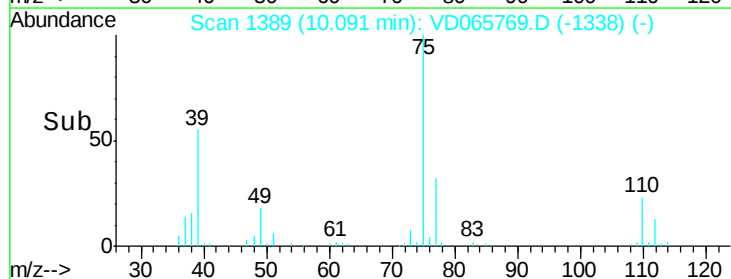
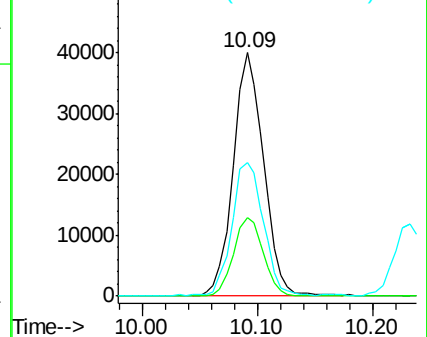
39 54.5 45.0 67.6

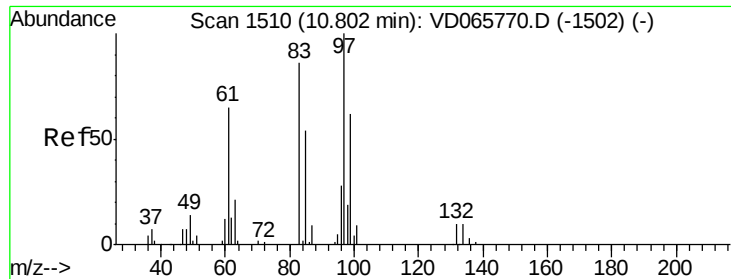


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 20.95 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 34638

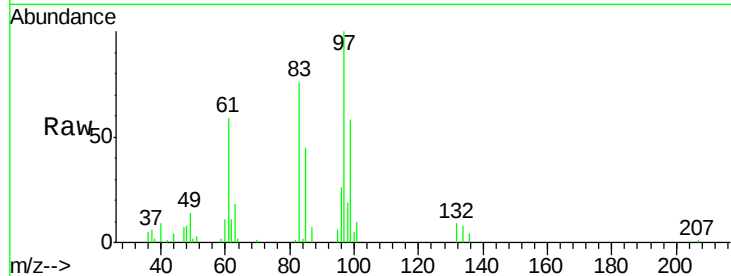
Ion Ratio Lower Upper

97 100

83 75.8 68.7 103.1

85 45.3 43.0 64.6

99 58.1 49.8 74.6

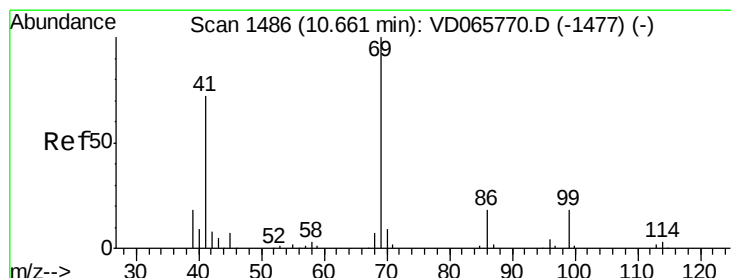
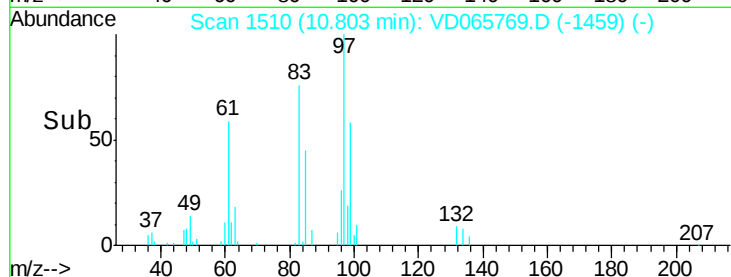
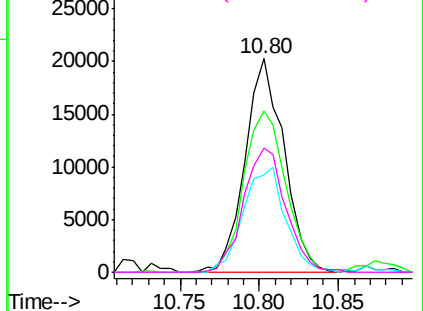


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 20.86 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

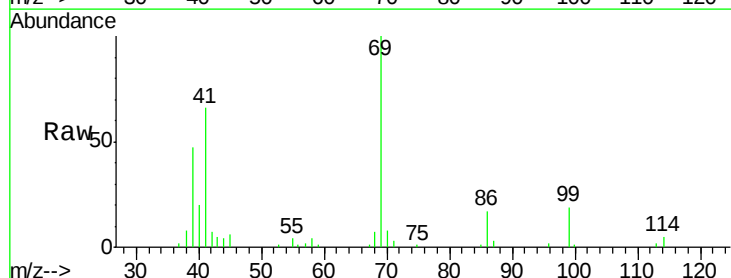
Tgt Ion: 69 Resp: 39084

Ion Ratio Lower Upper

69 100

41 72.4 56.9 85.3

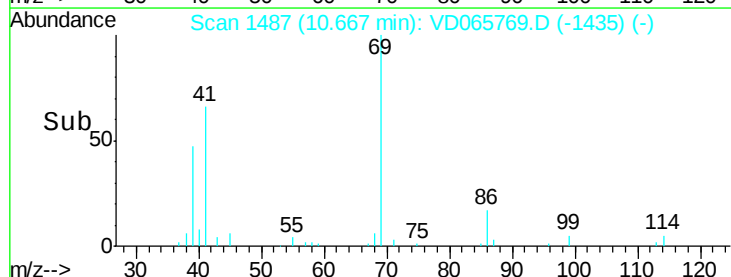
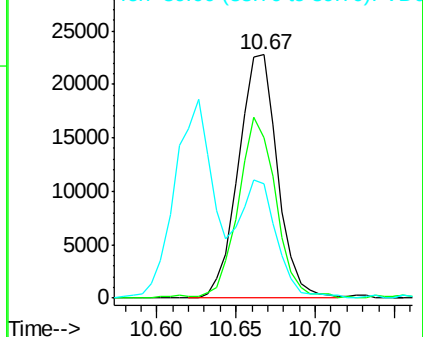
39 46.6 36.0 54.0

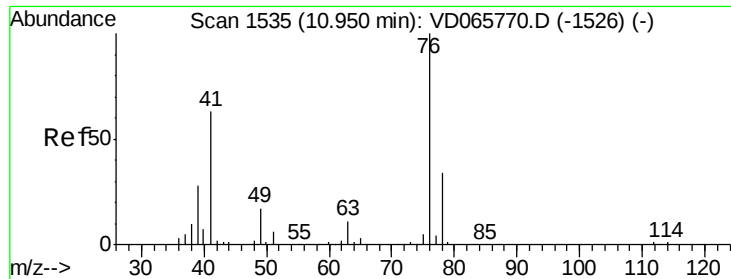


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

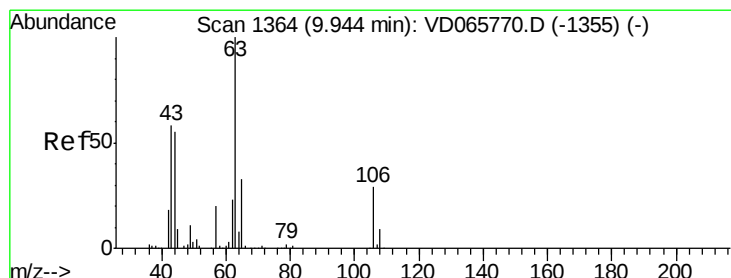
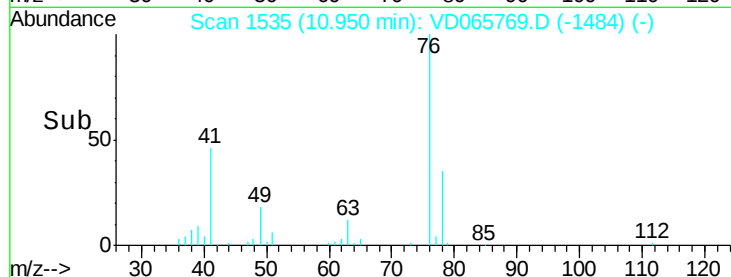
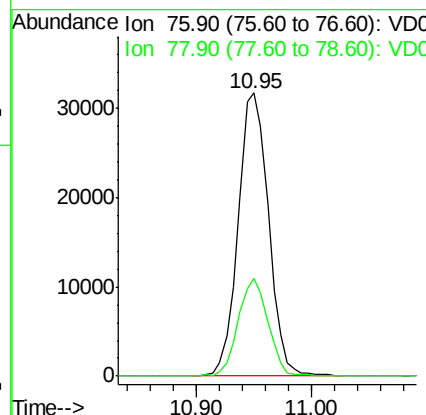
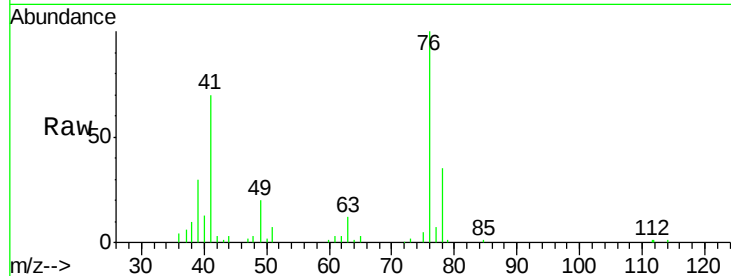




#57
 1,3-Dichloropropane
 Concen: 20.23 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065769.D
 Acq: 05 Jun 2020 11:24

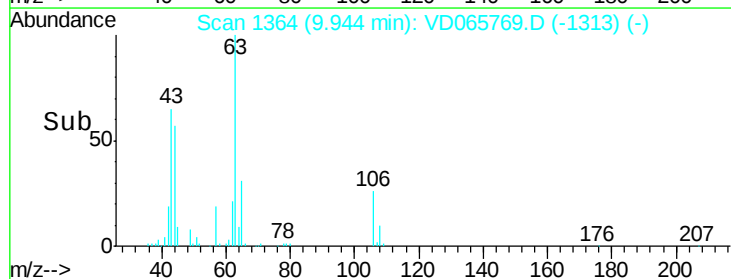
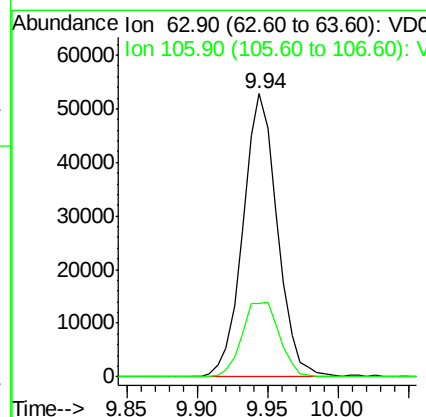
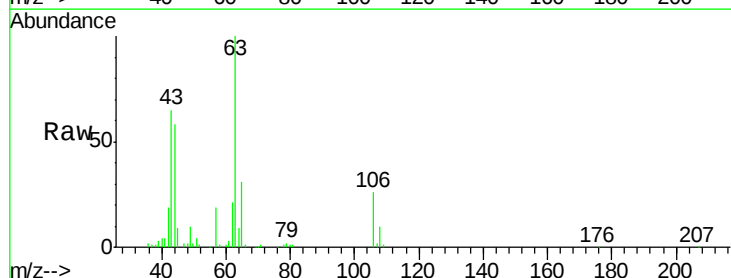
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

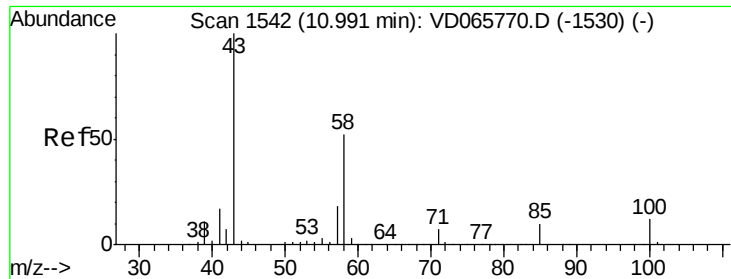
Tgt Ion: 76 Resp: 57933
 Ion Ratio Lower Upper
 76 100
 78 34.0 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.49 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065769.D
 Acq: 05 Jun 2020 11:24

Tgt Ion: 63 Resp: 90030
 Ion Ratio Lower Upper
 63 100
 106 29.0 23.2 34.8

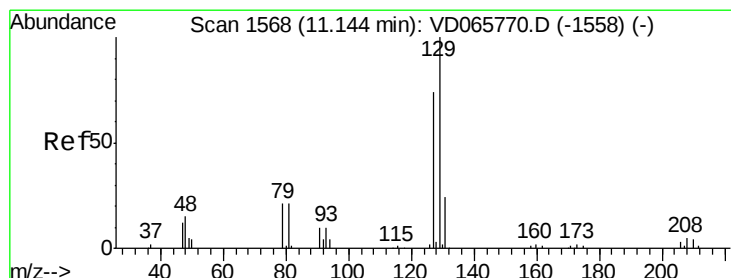
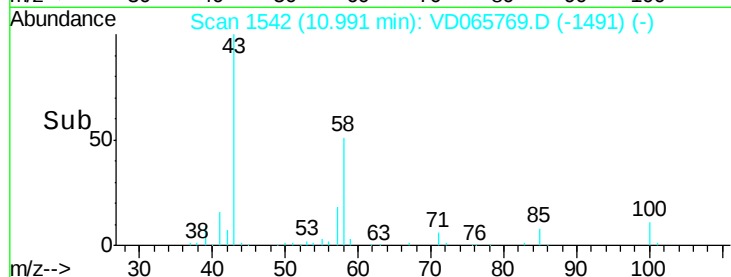
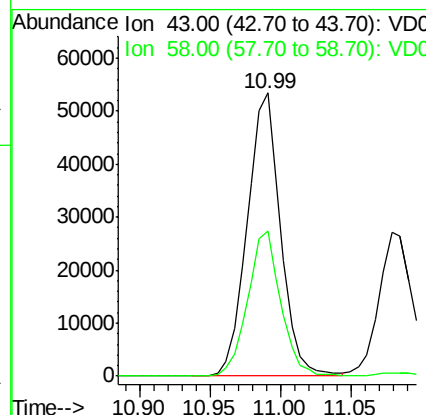
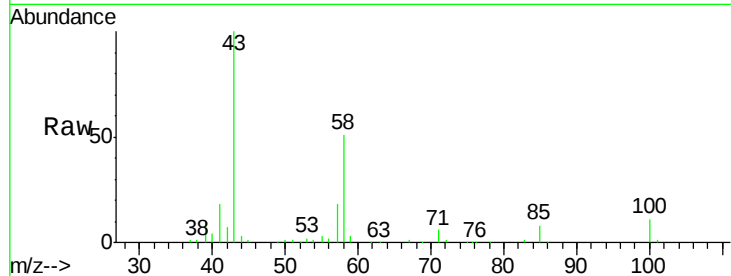




#59
2-Hexanone
Concen: 105.51 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

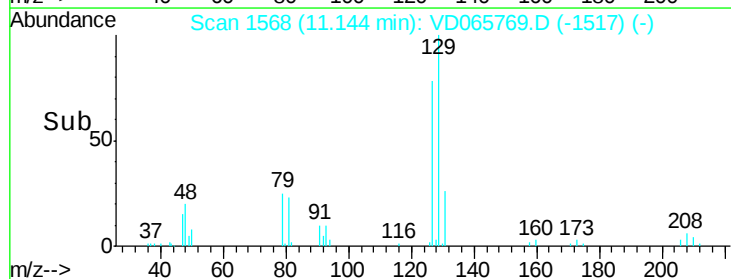
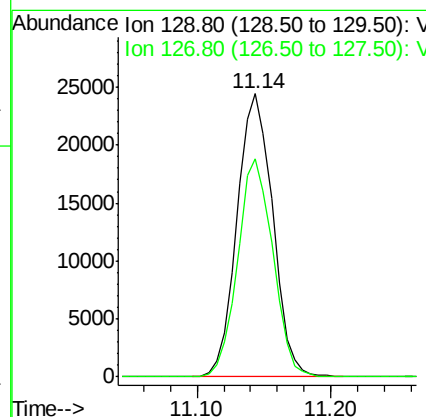
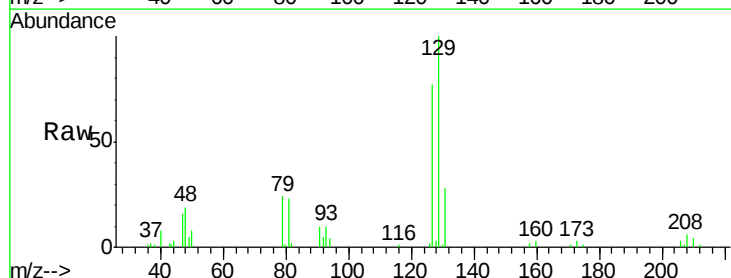
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

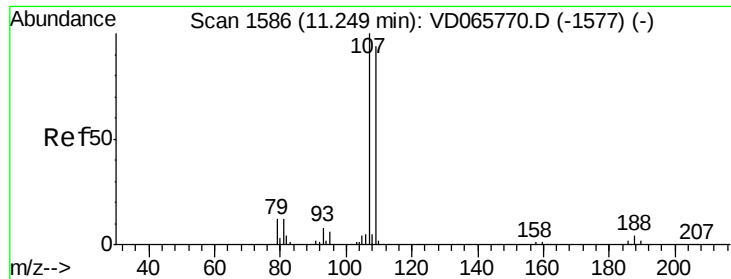
Tgt Ion: 43 Resp: 88394
Ion Ratio Lower Upper
43 100
58 50.8 25.7 77.0



#60
Dibromochloromethane
Concen: 20.39 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

Tgt Ion: 129 Resp: 45367
Ion Ratio Lower Upper
129 100
127 75.6 38.0 113.9





#61

1,2-Dibromoethane

Concen: 20.59 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

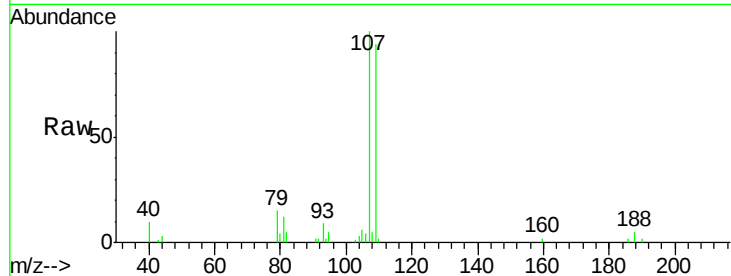
VSTDIC020

Tgt Ion: 107 Resp: 33167

Ion Ratio Lower Upper

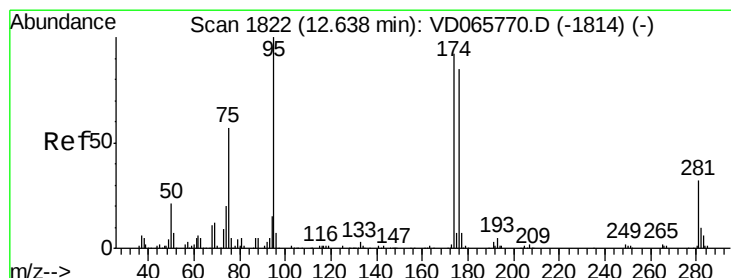
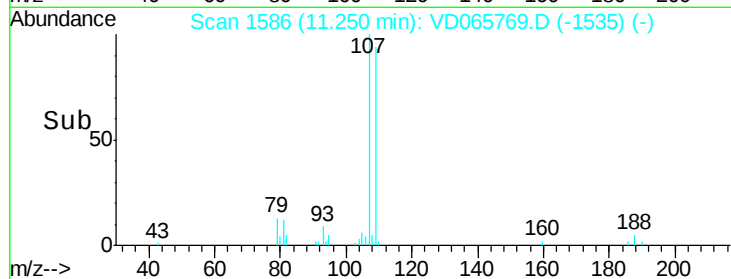
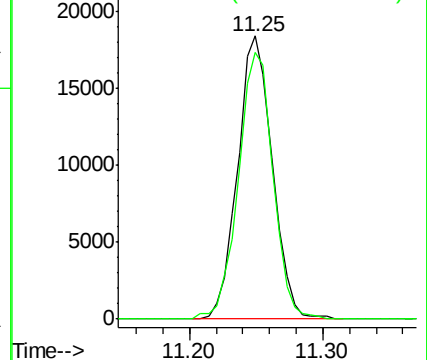
107 100

109 93.9 74.4 111.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.36 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

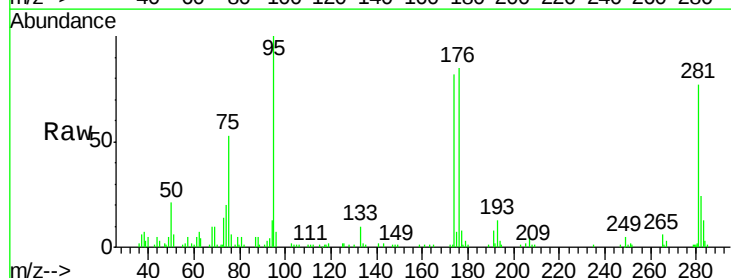
Tgt Ion: 95 Resp: 52087

Ion Ratio Lower Upper

95 100

174 83.0 0.0 175.2

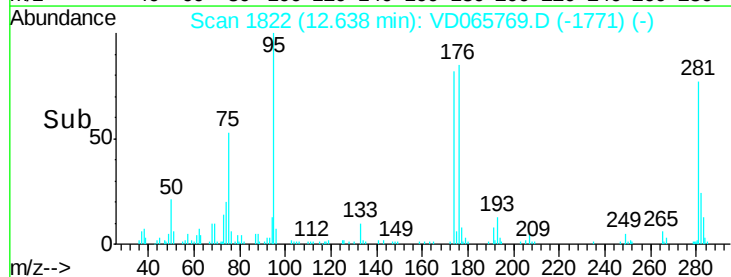
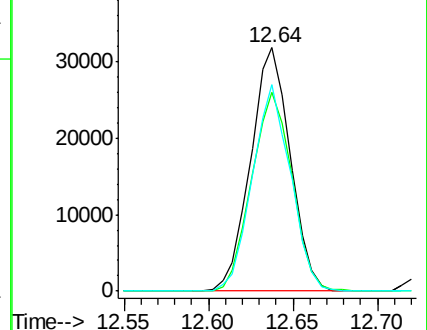
176 81.7 0.0 163.0

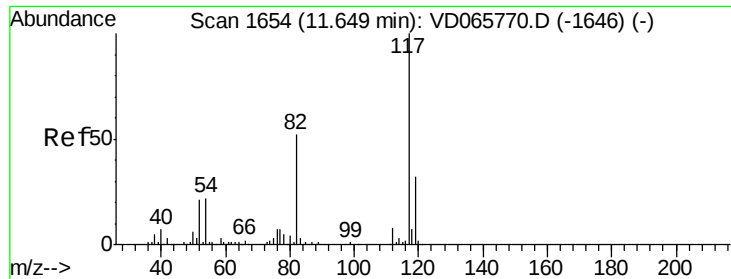


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

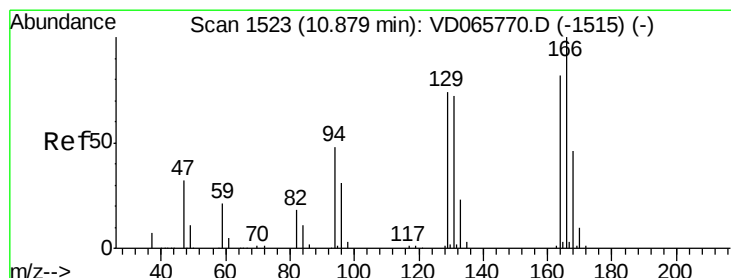
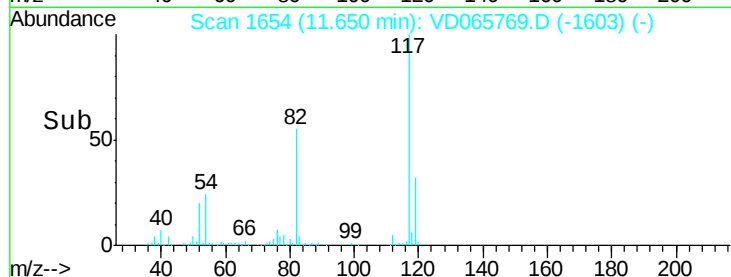
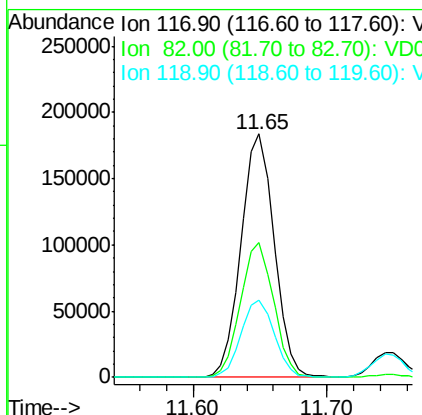
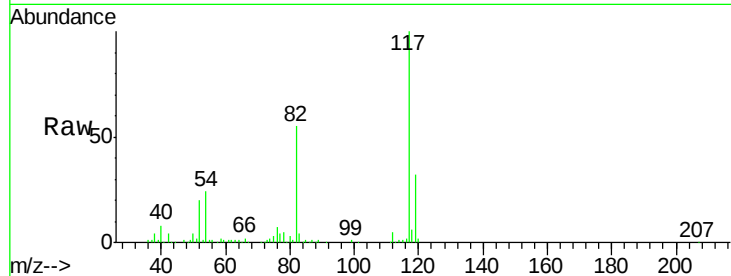




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

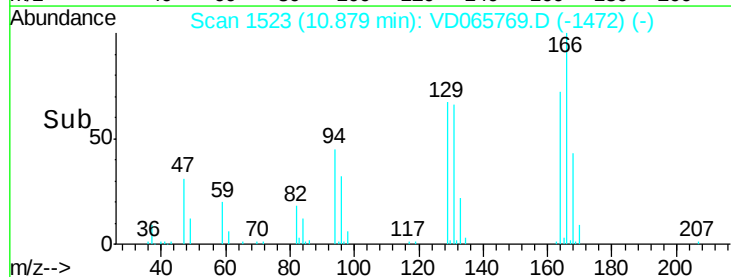
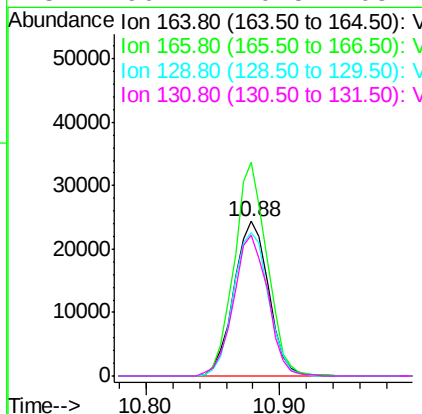
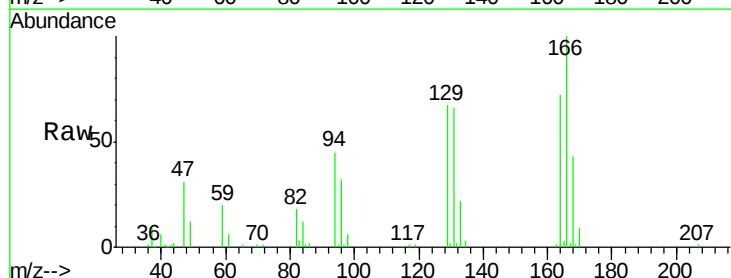
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

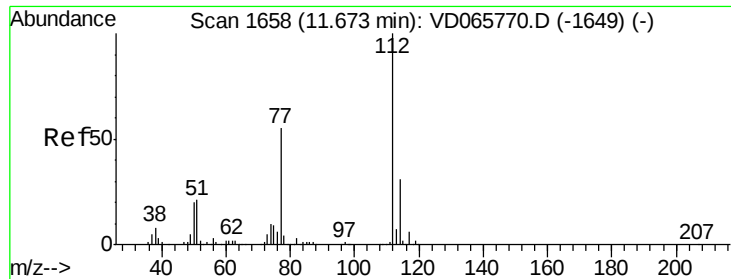
Tgt Ion:117 Resp: 316162
Ion Ratio Lower Upper
117 100
82 55.3 41.9 62.9
119 31.8 25.3 37.9



#64
Tetrachloroethene
Concen: 20.07 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

Tgt Ion:164 Resp: 43940
Ion Ratio Lower Upper
164 100
166 138.1 98.2 147.2
129 92.7 72.3 108.5
131 90.7 70.5 105.7

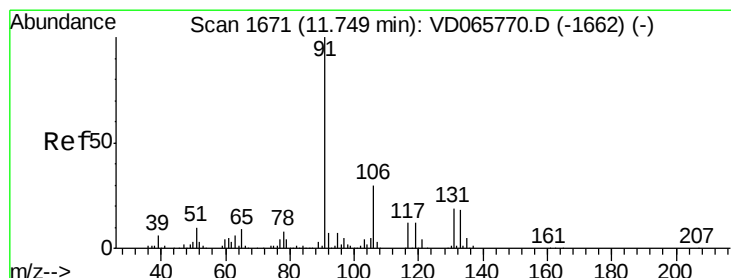
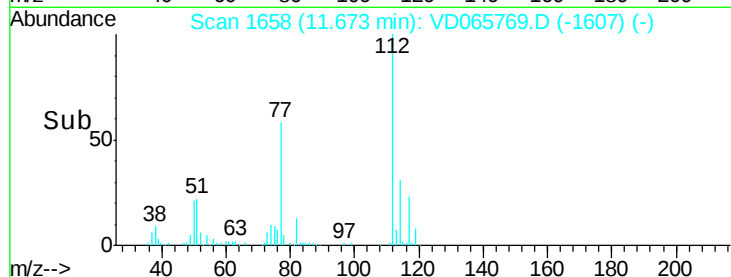
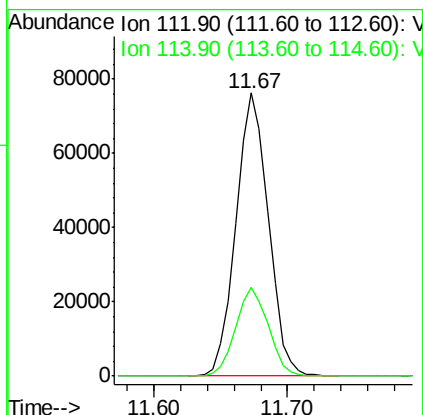
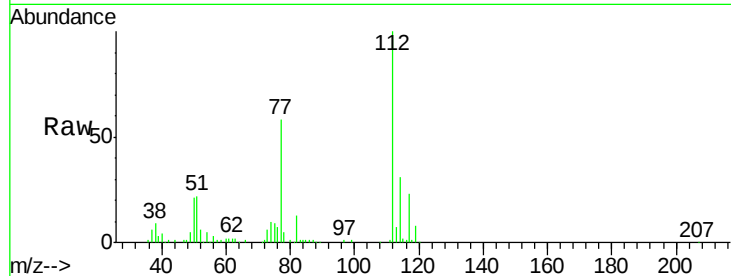




#65
Chlorobenzene
Concen: 20.48 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

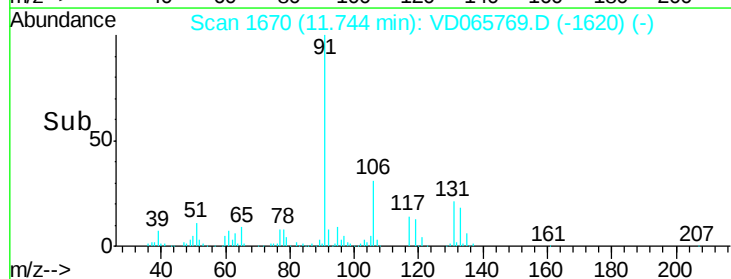
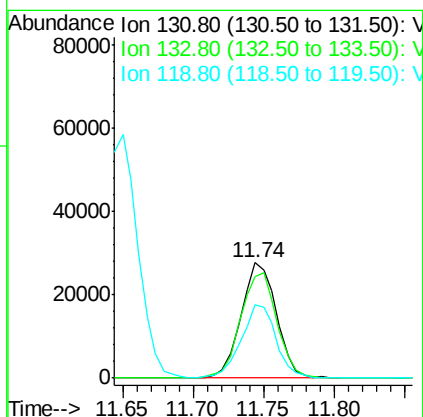
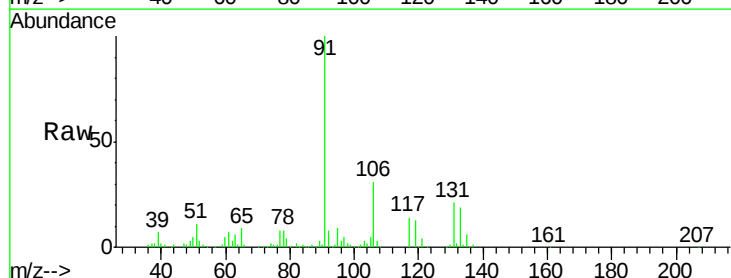
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

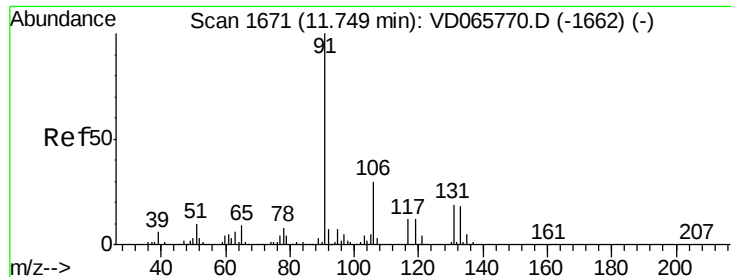
Tgt Ion:112 Resp: 128109
Ion Ratio Lower Upper
112 100
114 31.2 24.7 37.1



#66
1,1,1,2-Tetrachloroethane
Concen: 21.02 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

Tgt Ion:131 Resp: 48699
Ion Ratio Lower Upper
131 100
133 93.4 47.3 141.9
119 62.7 31.6 94.8





#67

Ethyl Benzene

Concen: 20.99 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

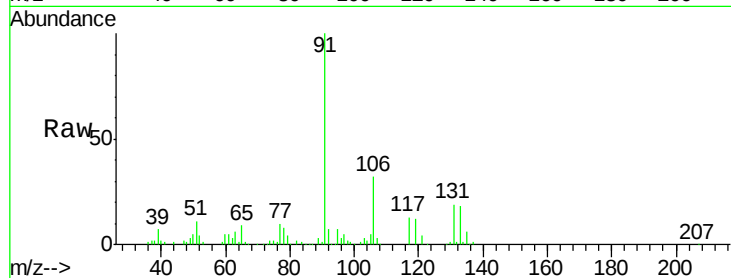
VSTDIC020

Tgt Ion: 91 Resp: 232142

Ion Ratio Lower Upper

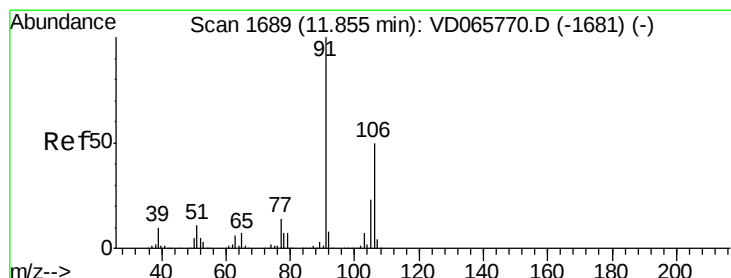
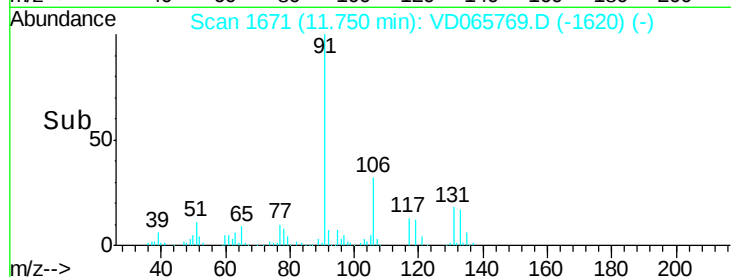
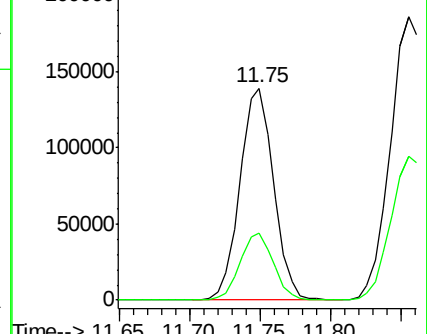
91 100

106 31.8 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 42.39 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065769.D

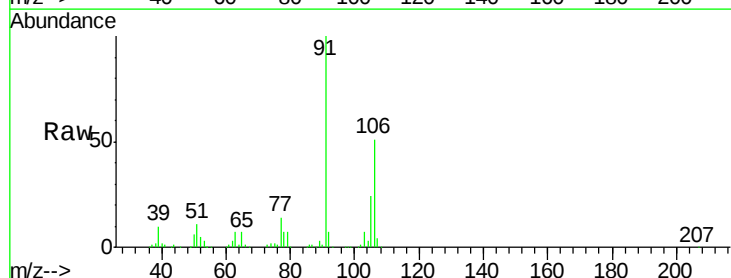
Acq: 05 Jun 2020 11:24

Tgt Ion: 106 Resp: 180478

Ion Ratio Lower Upper

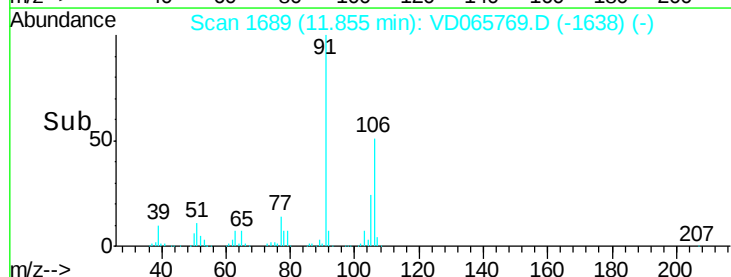
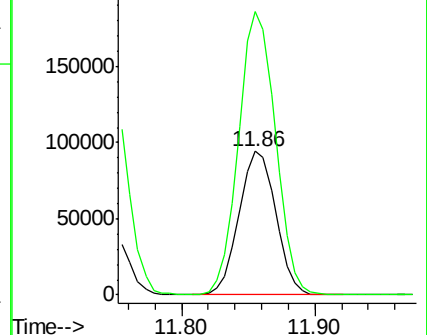
106 100

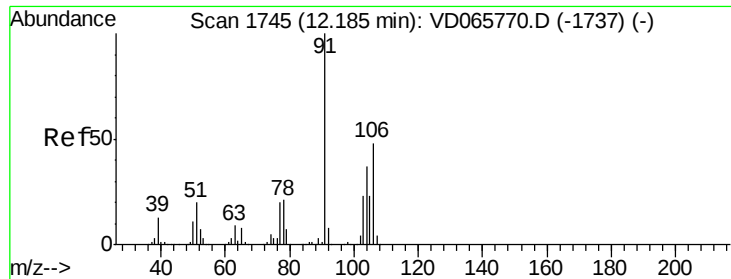
91 197.5 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

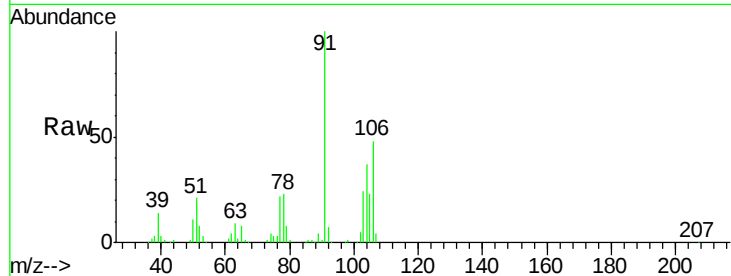




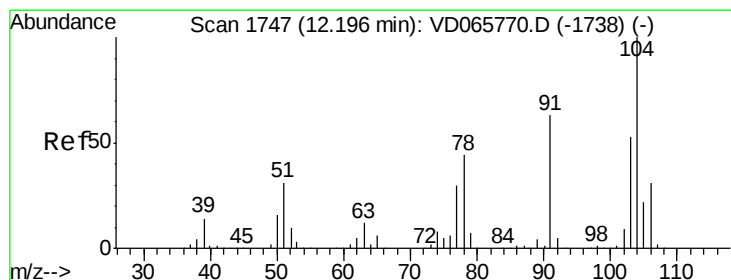
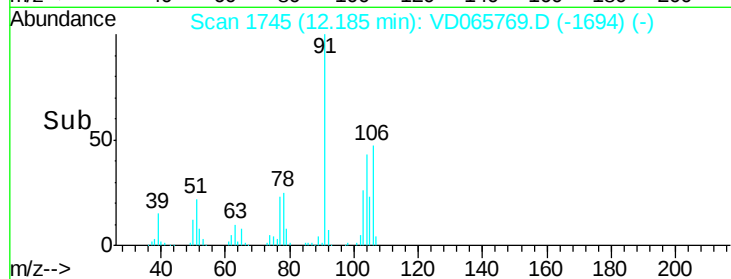
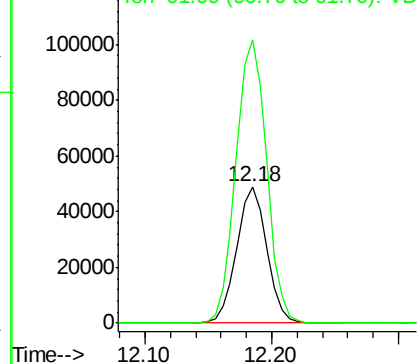
#69
o-Xylene
Concen: 21.19 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 80070
Ion Ratio Lower Upper
106 100
91 212.5 105.3 315.8

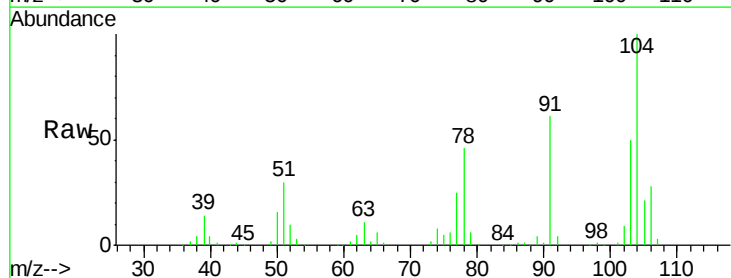


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

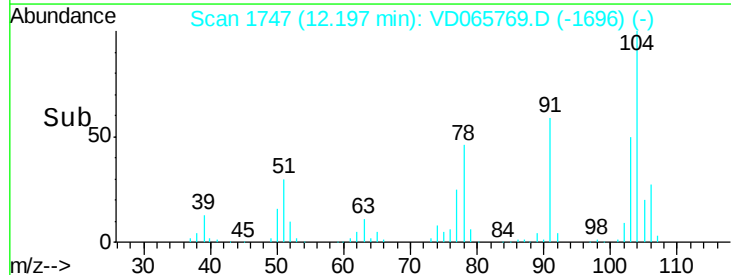
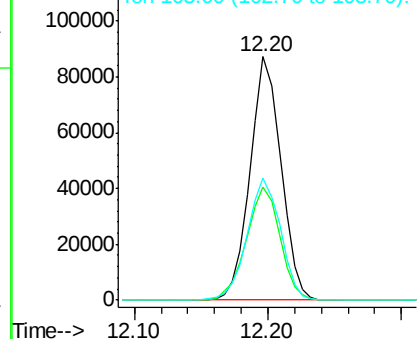


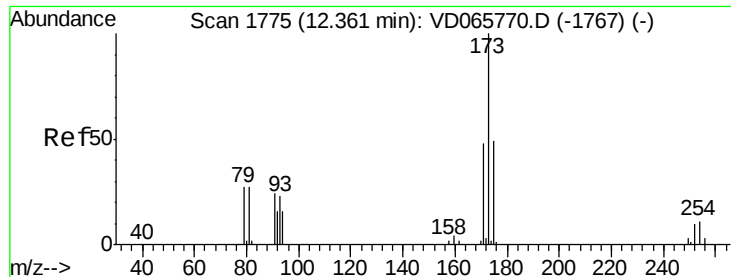
#70
Styrene
Concen: 21.29 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

Tgt Ion:104 Resp: 138985
Ion Ratio Lower Upper
104 100
78 50.6 38.6 58.0
103 54.2 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 21.01 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

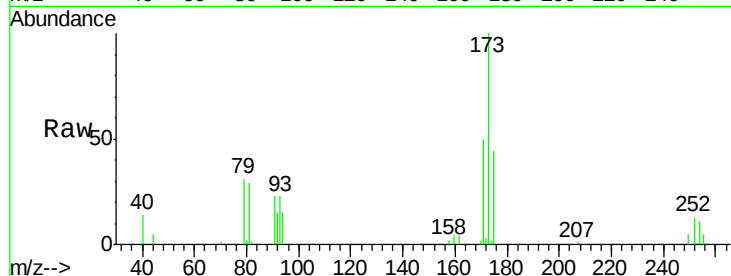
Tgt Ion:173 Resp: 26594

Ion Ratio Lower Upper

173 100

175 44.3 24.8 74.4

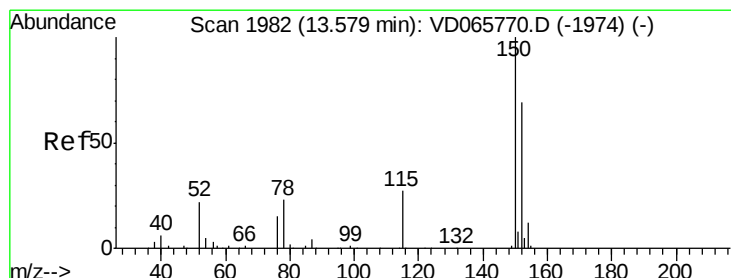
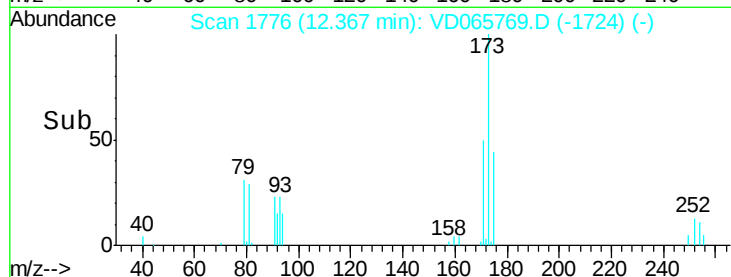
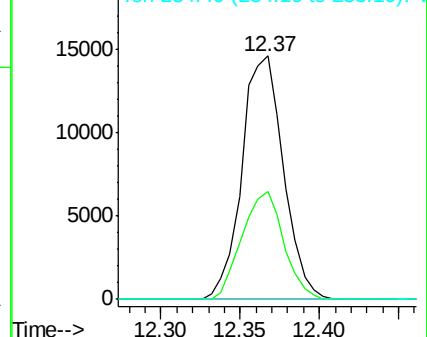
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

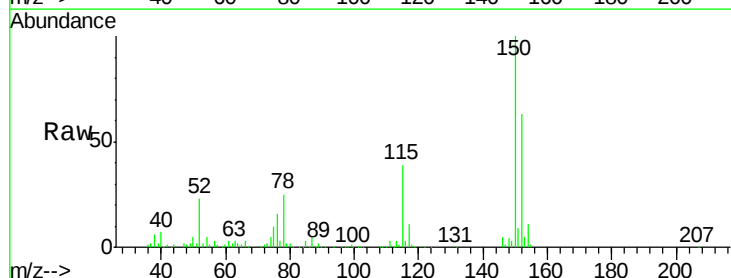
Tgt Ion:152 Resp: 158668

Ion Ratio Lower Upper

152 100

115 59.7 28.7 86.1

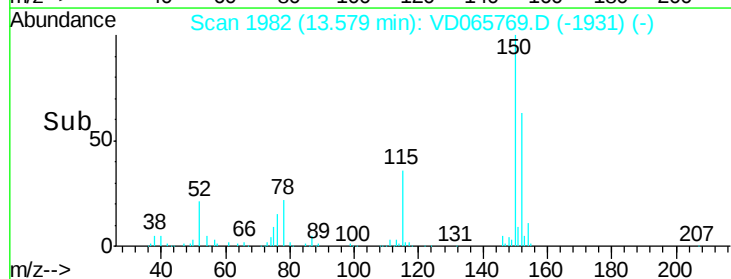
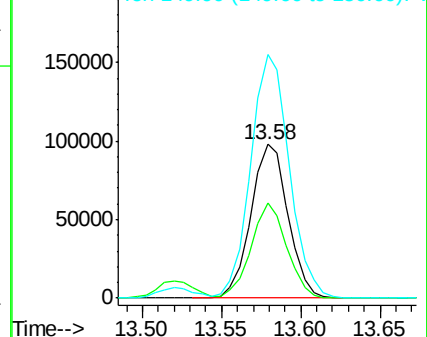
150 165.8 0.0 348.0

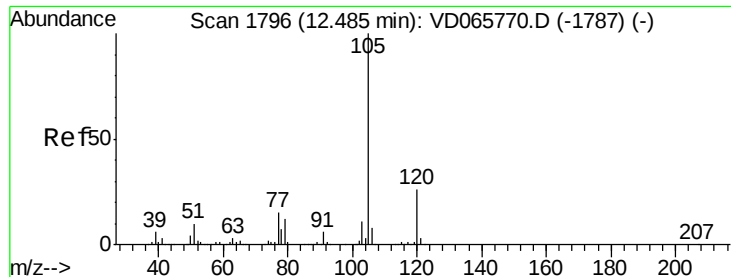


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.77 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

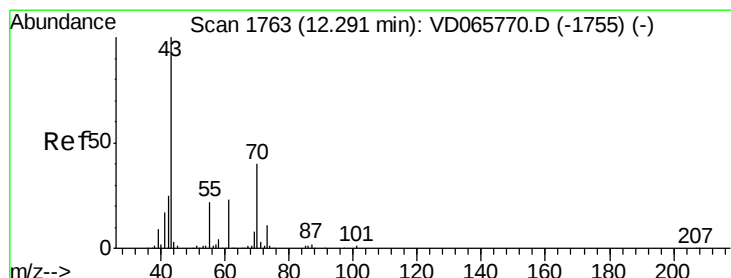
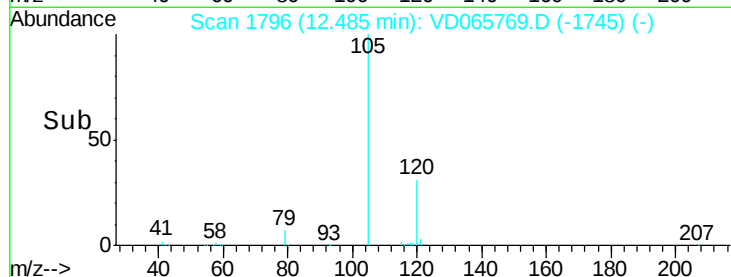
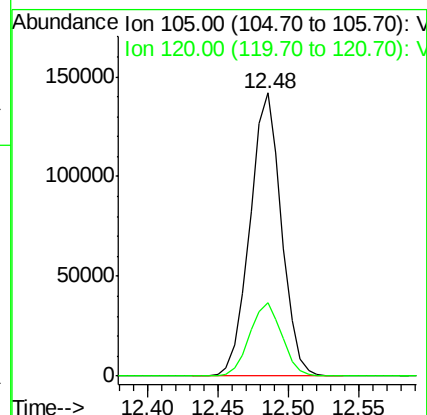
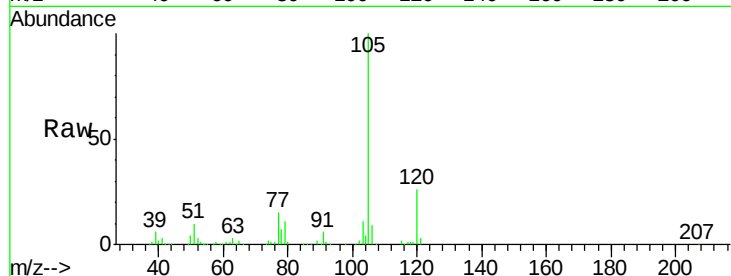
VSTDIC020

Tgt Ion: 105 Resp: 221945

Ion Ratio Lower Upper

105 100

120 26.5 13.5 40.5



#74

N-ethyl acetate

Concen: 20.69 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

Tgt Ion: 43 Resp: 49058

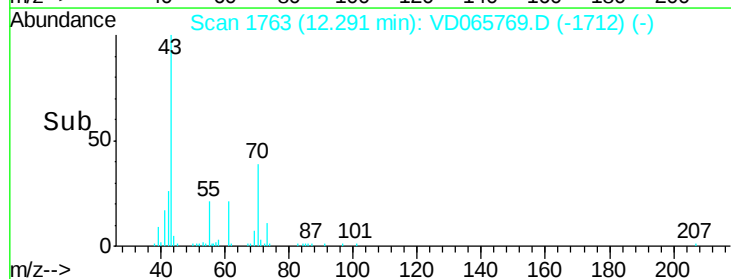
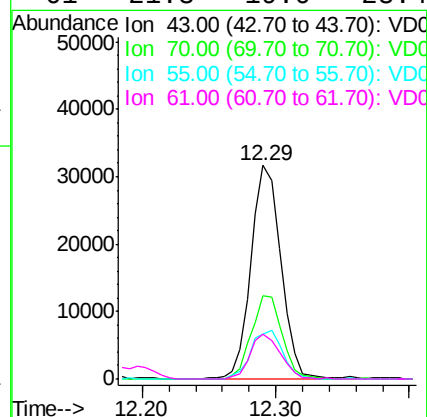
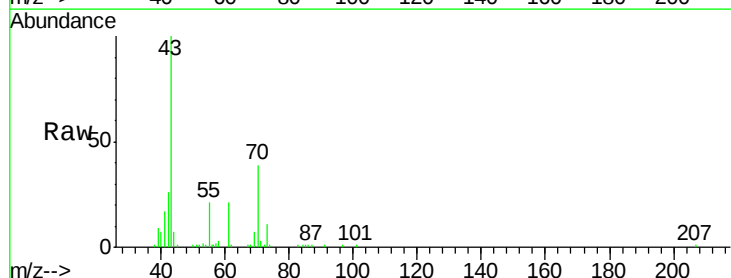
Ion Ratio Lower Upper

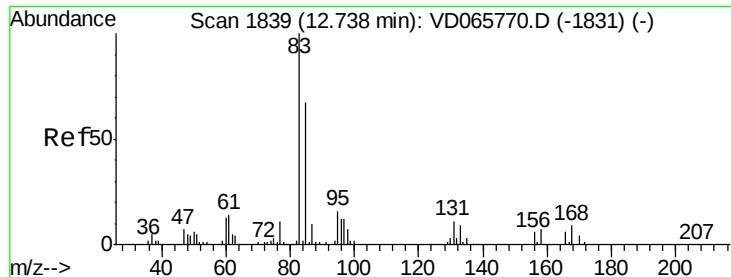
43 100

70 39.4 32.3 48.5

55 24.0 19.0 28.4

61 21.3 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.38 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

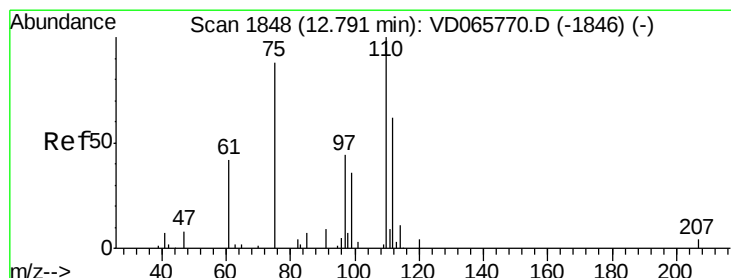
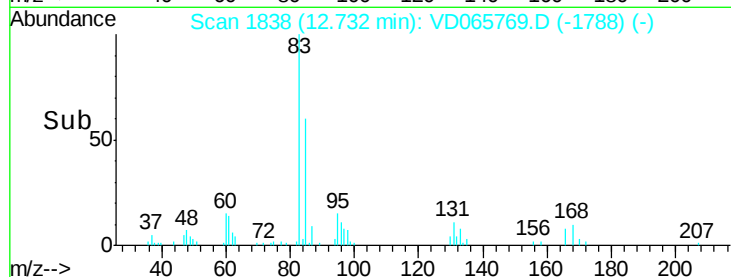
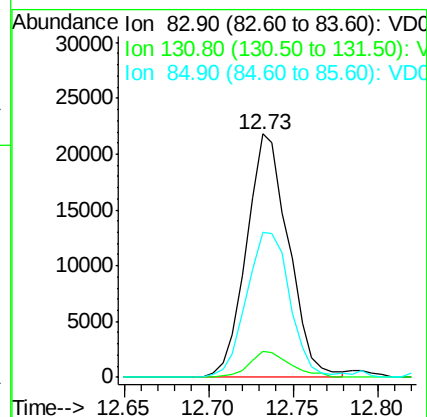
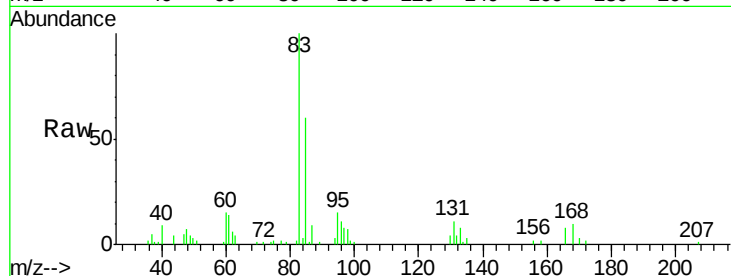
Tgt Ion: 83 Resp: 37860

Ion Ratio Lower Upper

83 100

131 10.5 5.5 16.4

85 61.2 32.5 97.5



#76

1,2,3-Trichloropropane

Concen: 39.08 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD065769.D

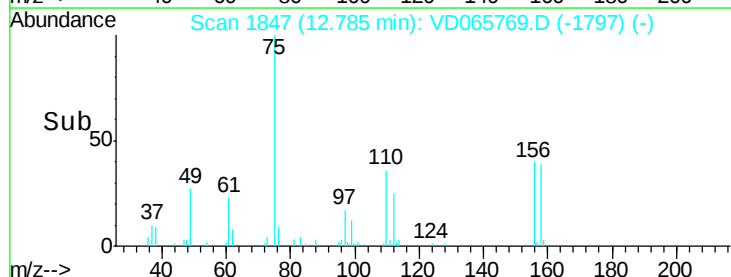
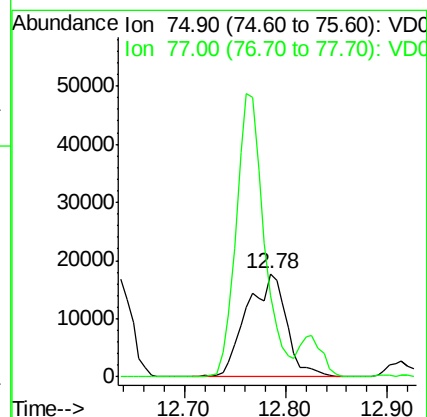
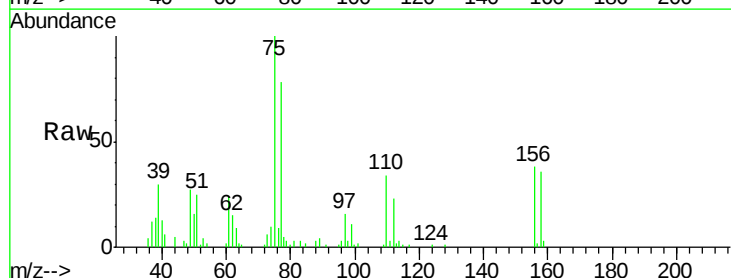
Acq: 05 Jun 2020 11:24

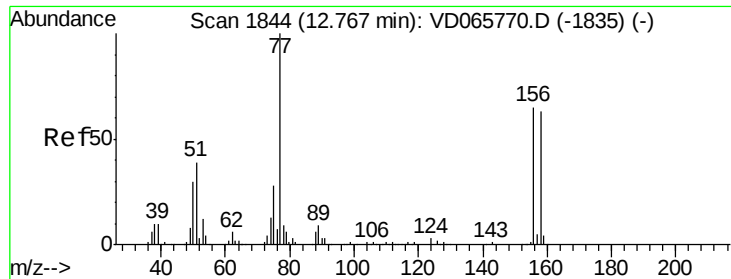
Tgt Ion: 75 Resp: 48566

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.06 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

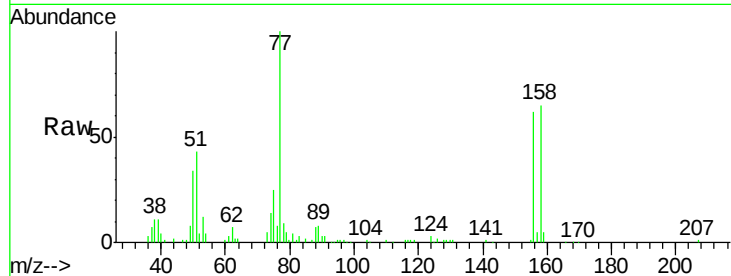
Tgt Ion:156 Resp: 53367

Ion Ratio Lower Upper

156 100

77 175.9 87.3 261.8

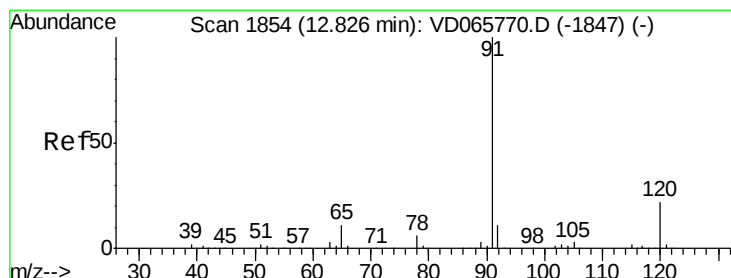
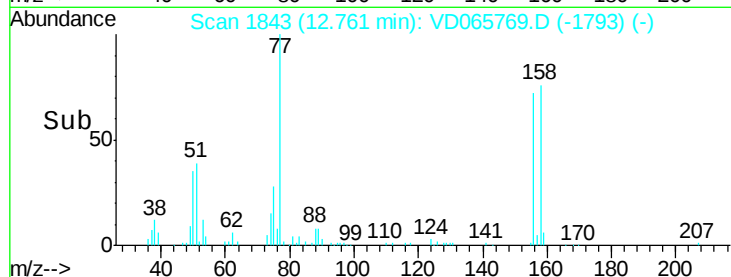
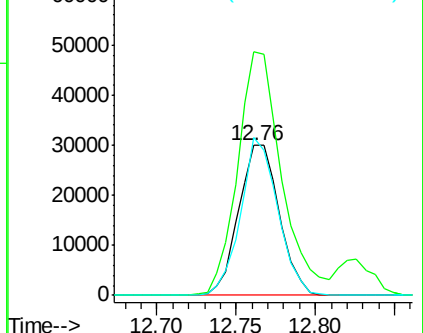
158 96.1 48.0 144.0



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: 20.79 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065769.D

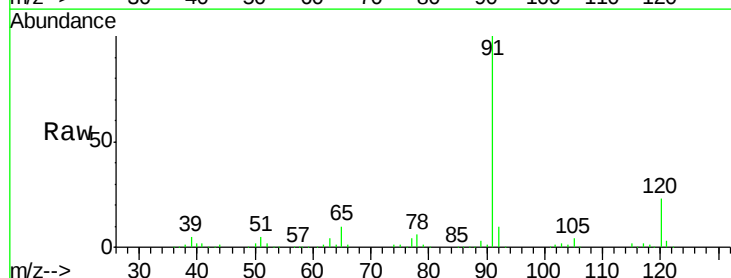
Acq: 05 Jun 2020 11:24

Tgt Ion: 91 Resp: 269596

Ion Ratio Lower Upper

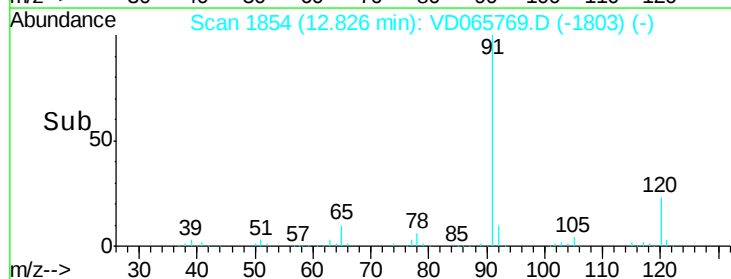
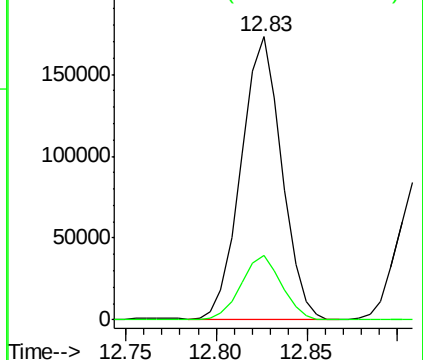
91 100

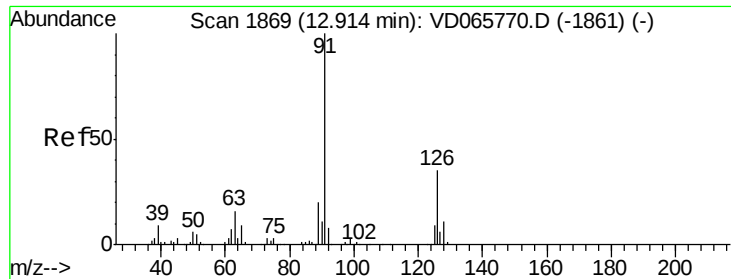
120 22.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

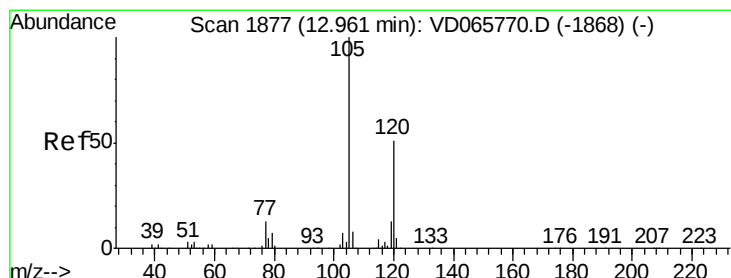
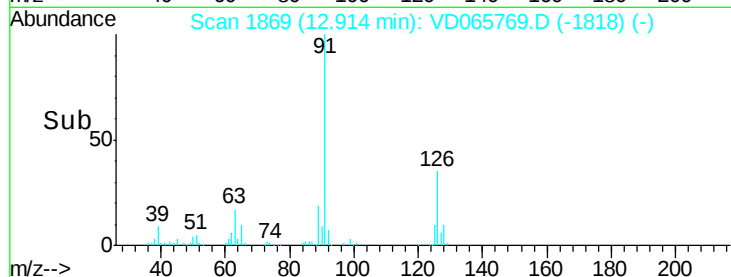
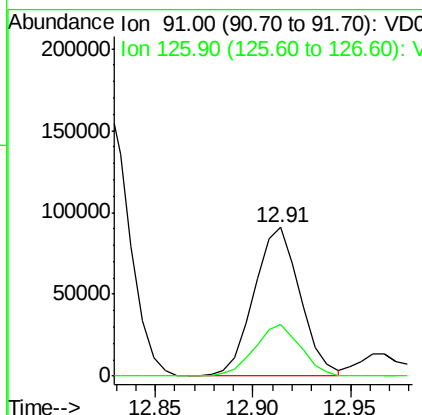
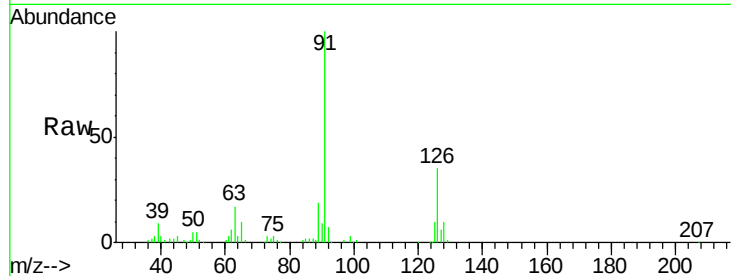




#79
 2-Chlorotoluene
 Concen: 20.80 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065769.D
 Acq: 05 Jun 2020 11:24

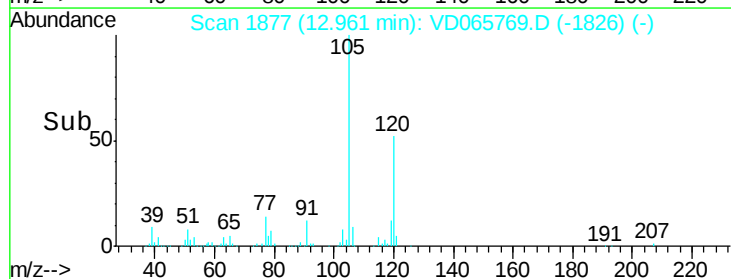
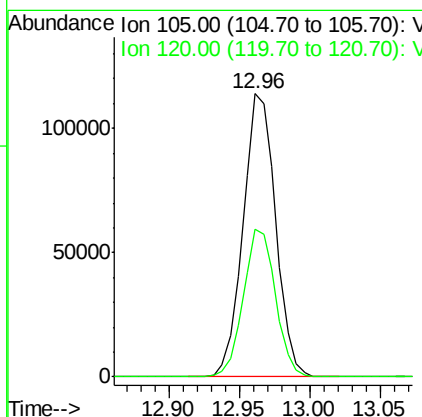
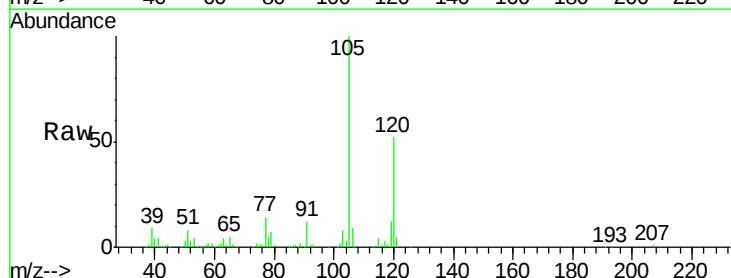
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

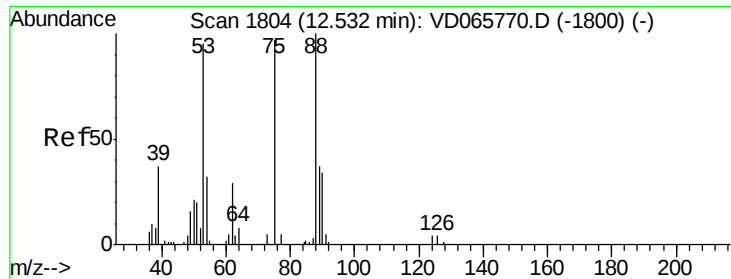
Tgt Ion: 91 Resp: 148059
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.76 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD065769.D
 Acq: 05 Jun 2020 11:24

Tgt Ion: 105 Resp: 184470
 Ion Ratio Lower Upper
 105 100
 120 51.5 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.73 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD065769.D

Acq: 05 Jun 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

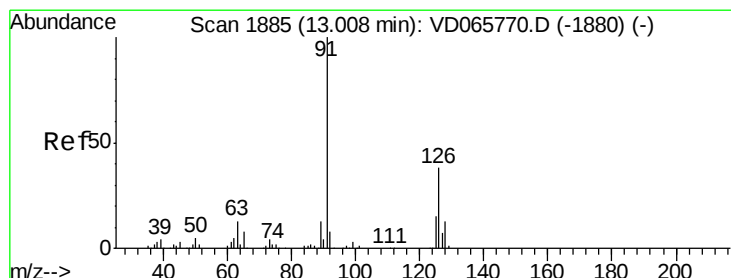
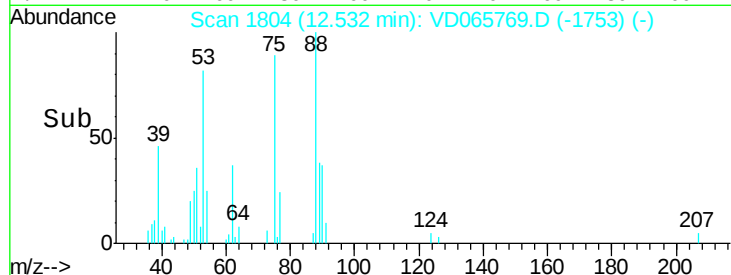
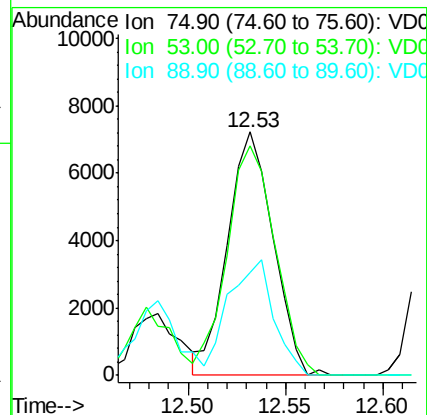
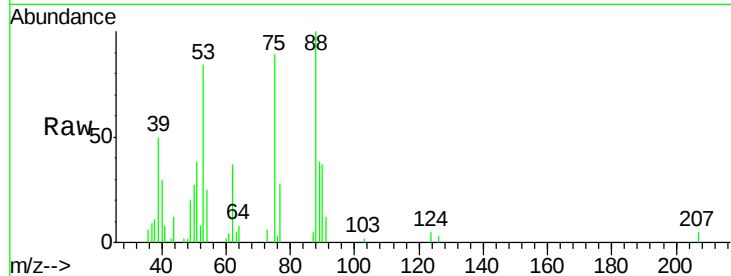
Tgt Ion: 75 Resp: 11674

Ion Ratio Lower Upper

75 100

53 99.7 82.6 123.8

89 47.1 35.9 53.9



#82

4-Chlorotoluene

Concen: 20.54 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD065769.D

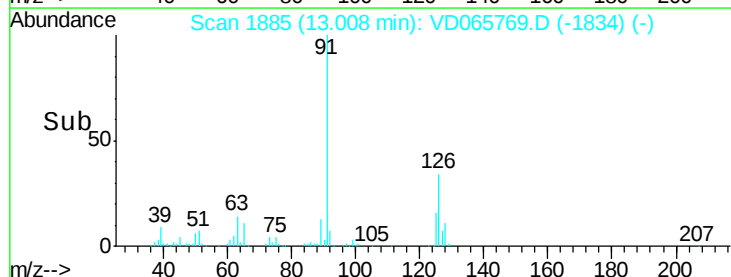
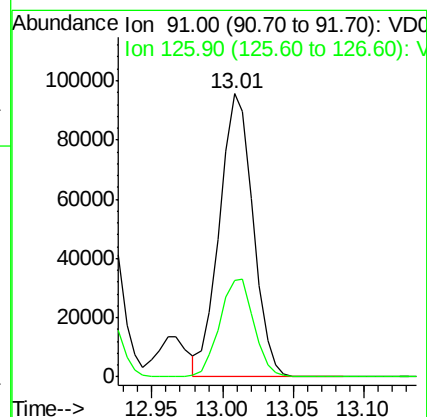
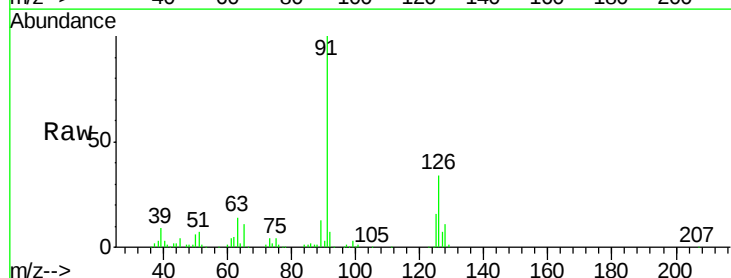
Acq: 05 Jun 2020 11:24

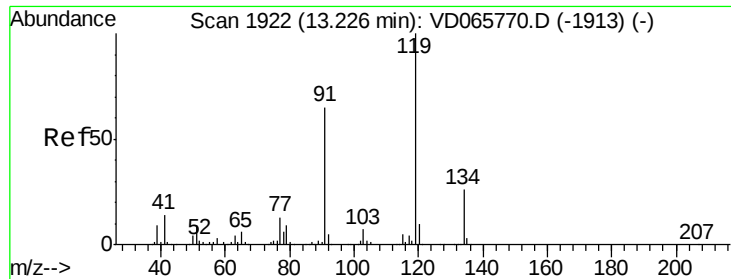
Tgt Ion: 91 Resp: 157933

Ion Ratio Lower Upper

91 100

126 35.1 17.6 52.8

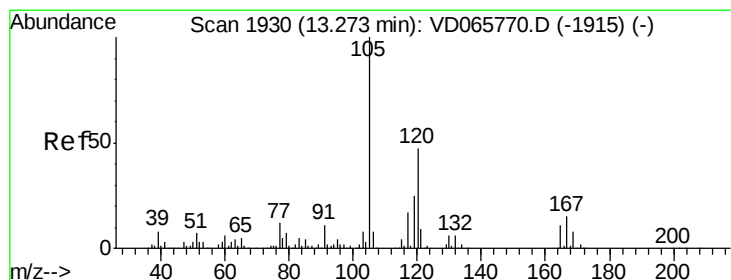
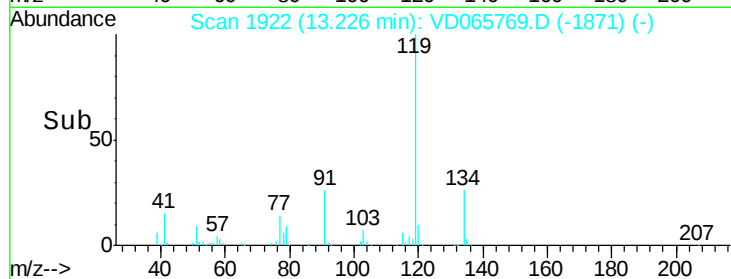
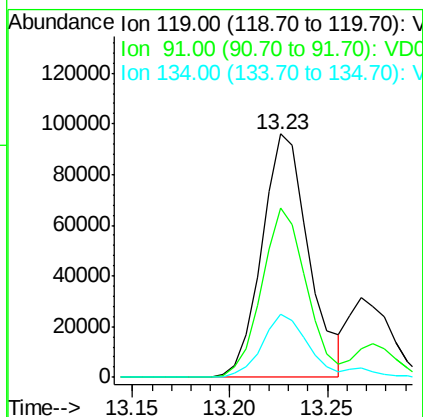
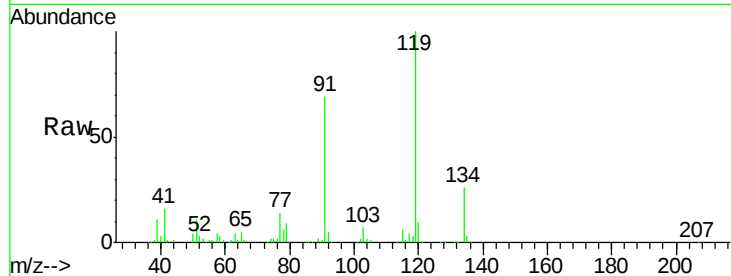




#83
 tert-Butylbenzene
 Concen: 20.77 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD065769.D
 Acq: 05 Jun 2020 11:24

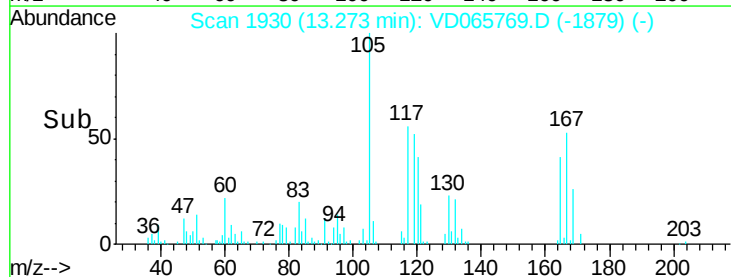
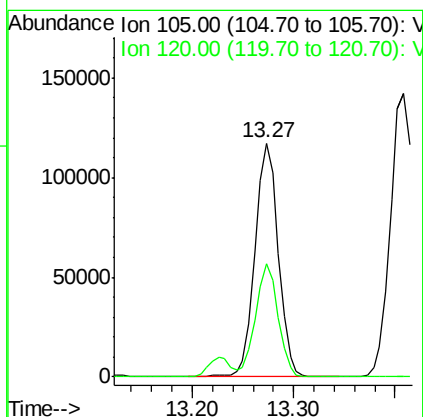
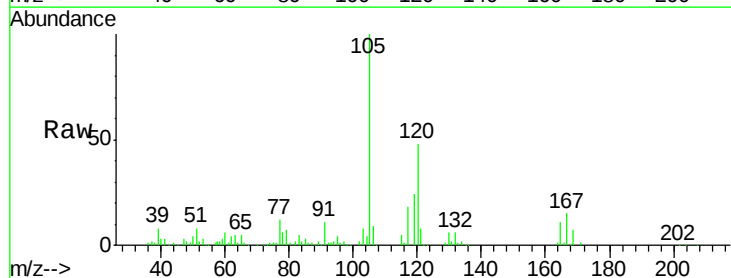
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

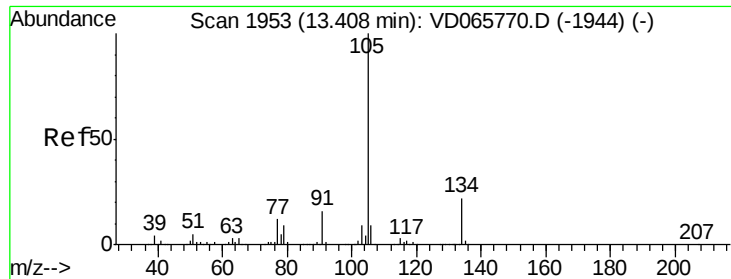
Tgt Ion:119 Resp: 159709
 Ion Ratio Lower Upper
 119 100
 91 66.2 32.0 96.0
 134 27.4 13.8 41.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.98 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD065769.D
 Acq: 05 Jun 2020 11:24

Tgt Ion:105 Resp: 186704
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.3 69.8

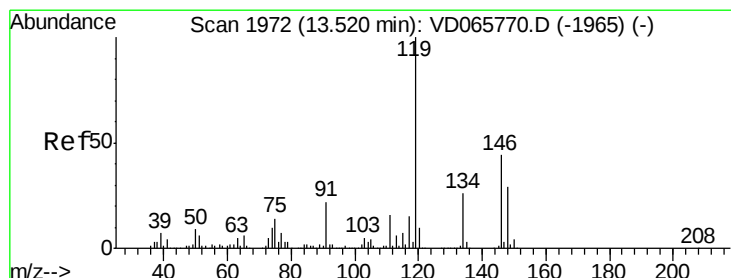
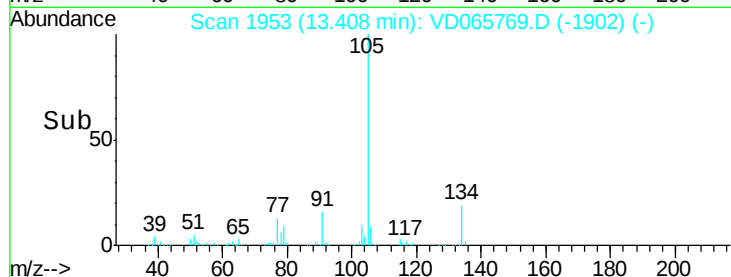
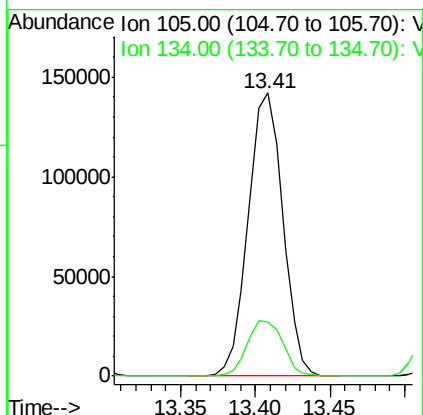
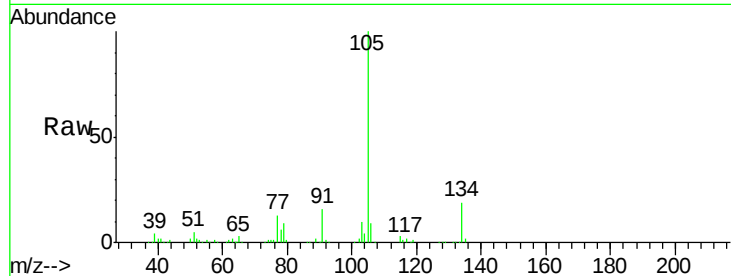




#85
 sec-Butylbenzene
 Concen: 21.15 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065769.D
 Acq: 05 Jun 2020 11:24

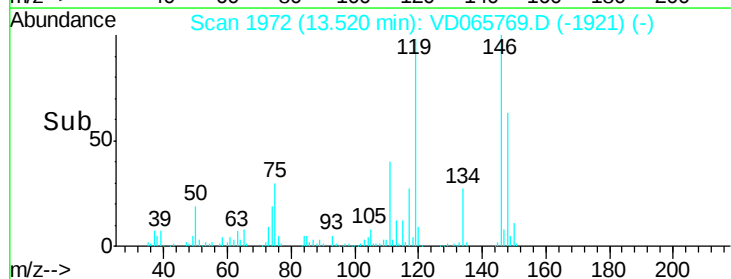
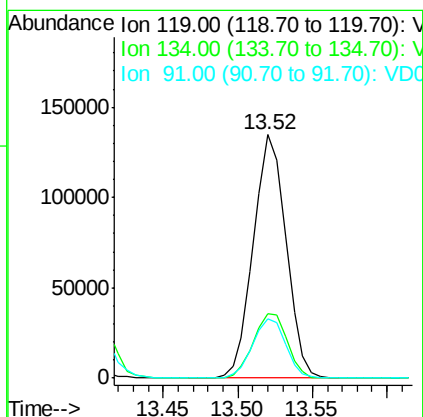
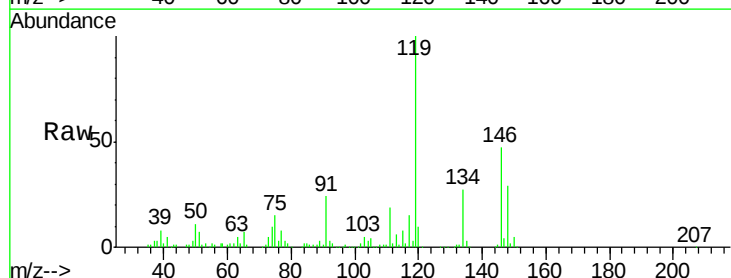
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

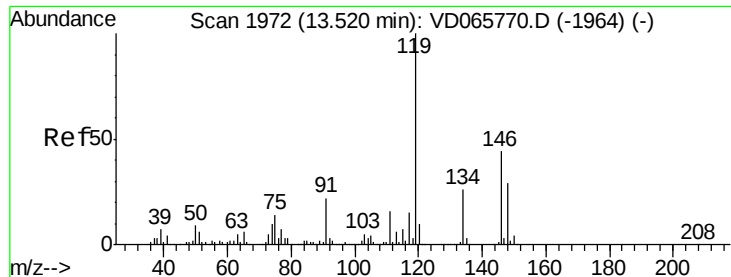
Tgt Ion:105 Resp: 227949
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 20.86 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065769.D
 Acq: 05 Jun 2020 11:24

Tgt Ion:119 Resp: 204136
 Ion Ratio Lower Upper
 119 100
 134 27.6 13.3 39.9
 91 24.8 11.8 35.4

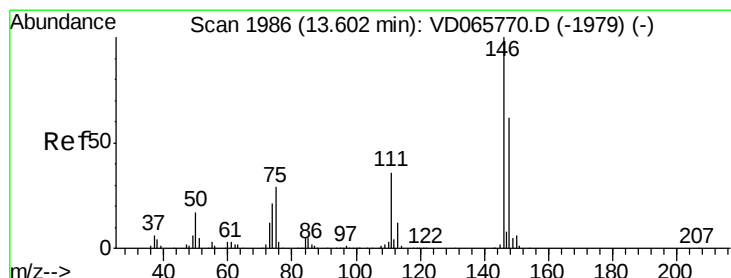
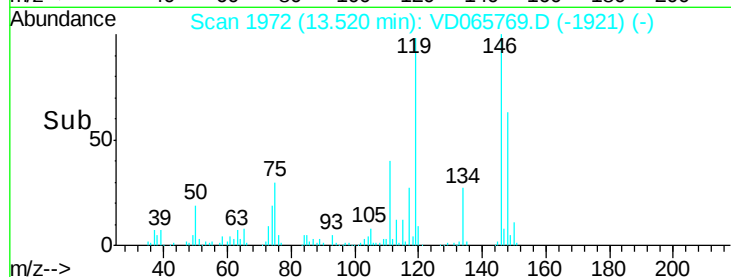
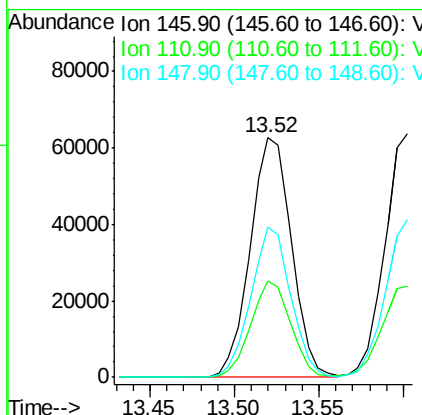
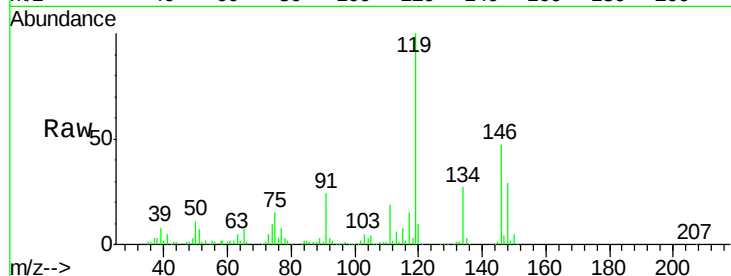




#87
 1,3-Dichlorobenzene
 Concen: 21.02 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065769.D
 Acq: 05 Jun 2020 11:24

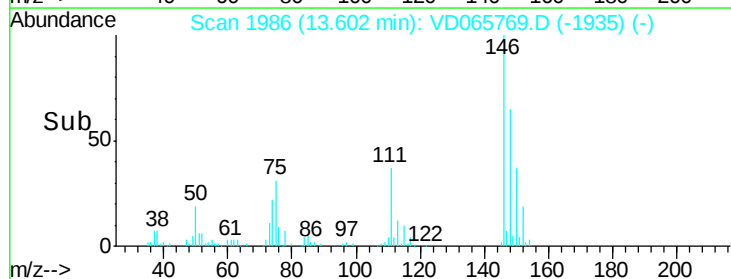
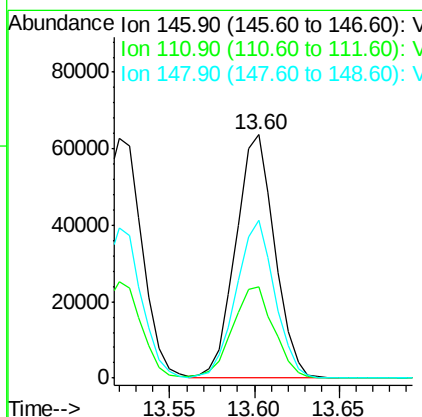
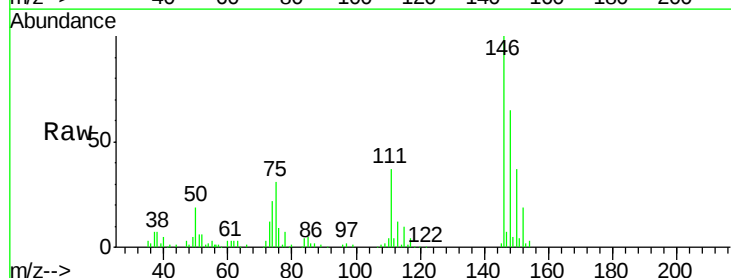
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

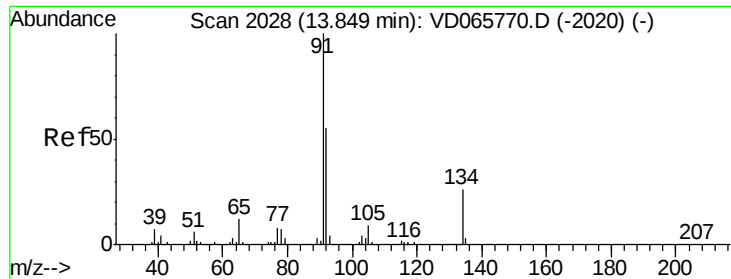
Tgt Ion:146 Resp: 106347
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.2 57.6
 148 60.5 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 20.25 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065769.D
 Acq: 05 Jun 2020 11:24

Tgt Ion:146 Resp: 102207
 Ion Ratio Lower Upper
 146 100
 111 39.7 18.9 56.7
 148 64.3 31.6 94.7

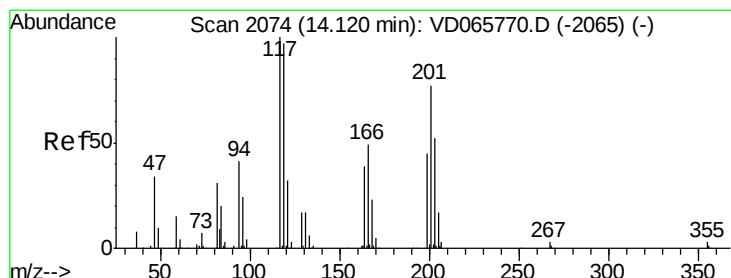
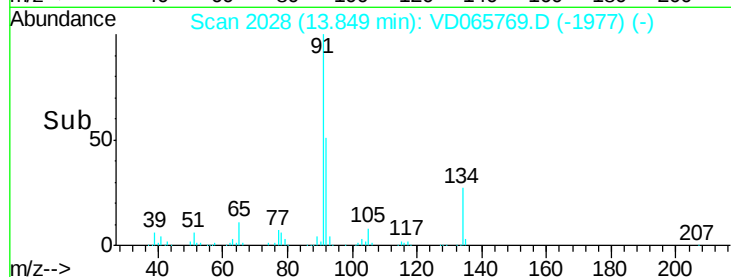
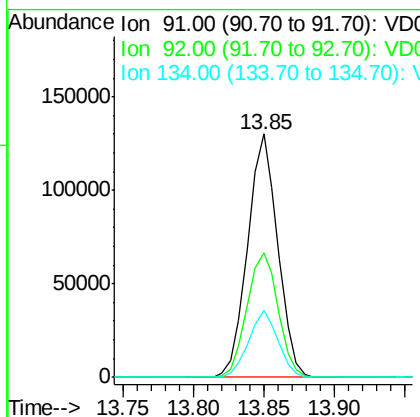
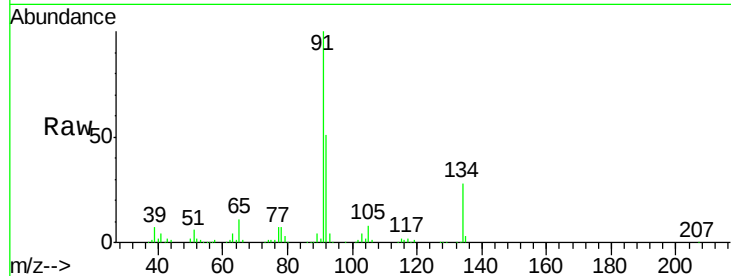




#89
n-Butylbenzene
Concen: 20.76 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

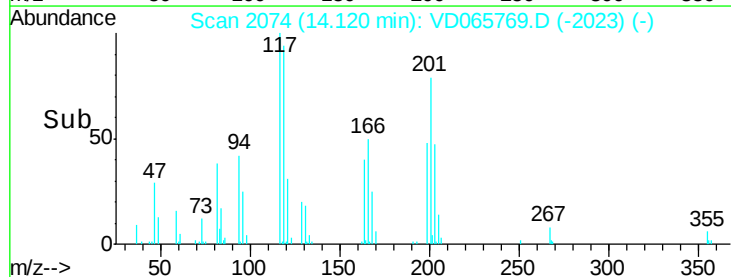
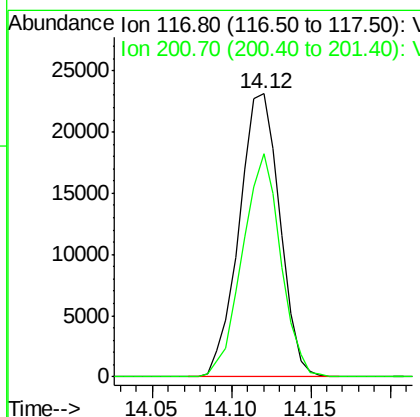
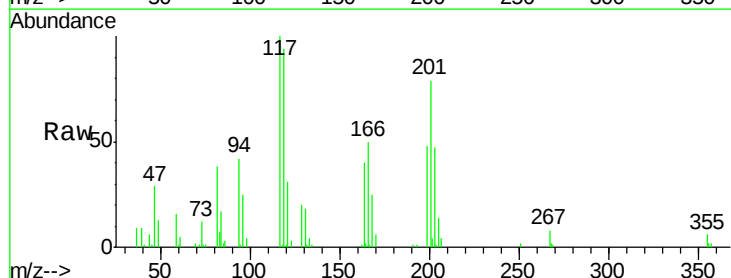
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MSVOA_D
ClientSampleId :
VSTDIC020

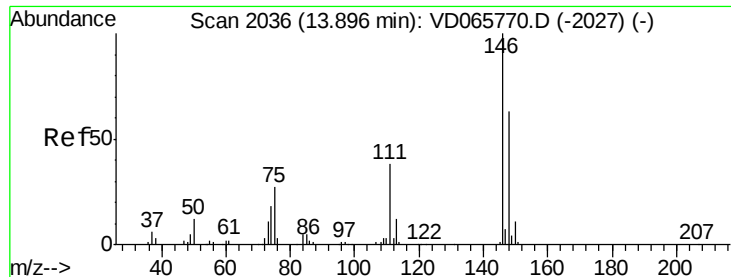
Tgt Ion: 91 Resp: 195313
Ion Ratio Lower Upper
91 100
92 52.9 27.0 81.0
134 26.7 13.0 39.0



#90
Hexachloroethane
Concen: 20.74 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

Tgt Ion: 117 Resp: 41242
Ion Ratio Lower Upper
117 100
201 74.2 37.1 111.5

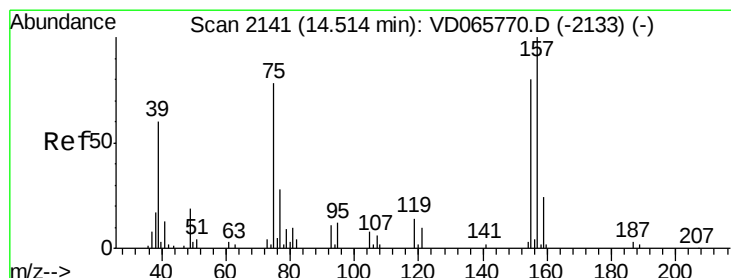
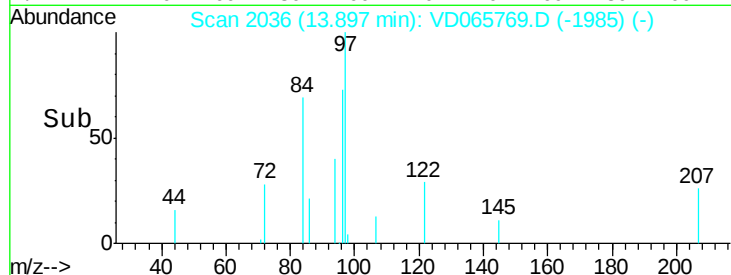
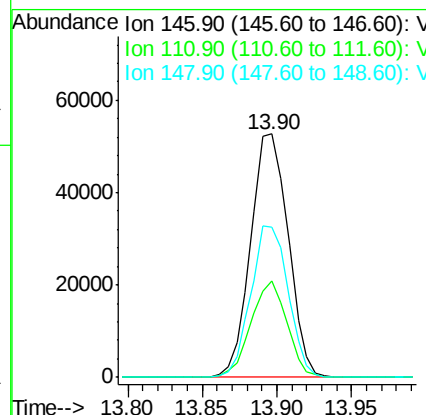
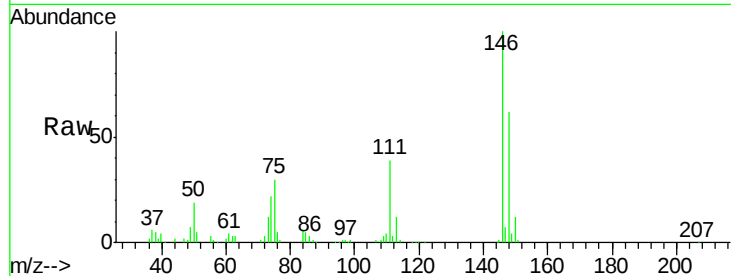




#91
 1,2-Dichlorobenzene
 Concen: 21.13 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065769.D
 Acq: 05 Jun 2020 11:24

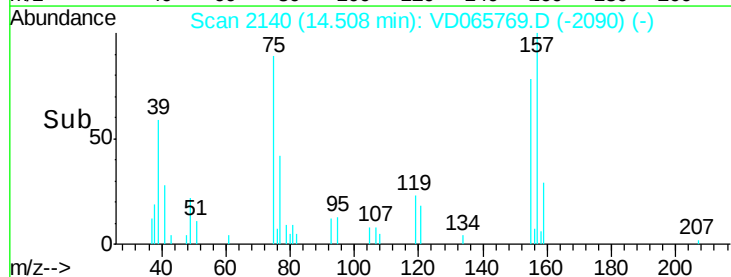
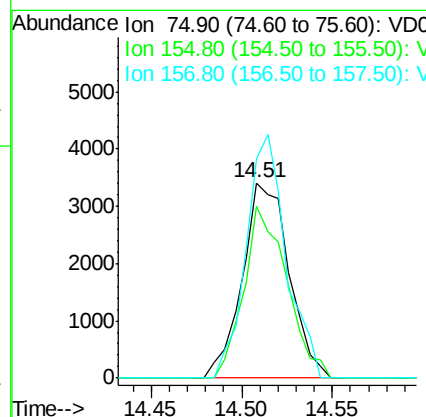
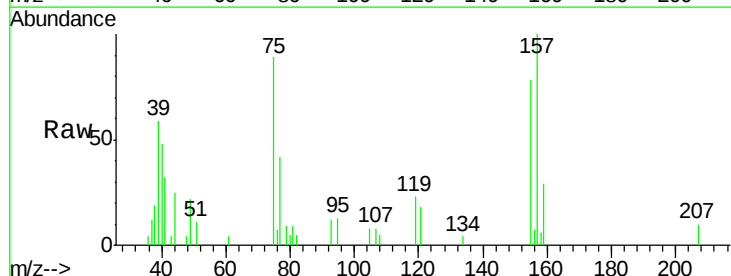
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

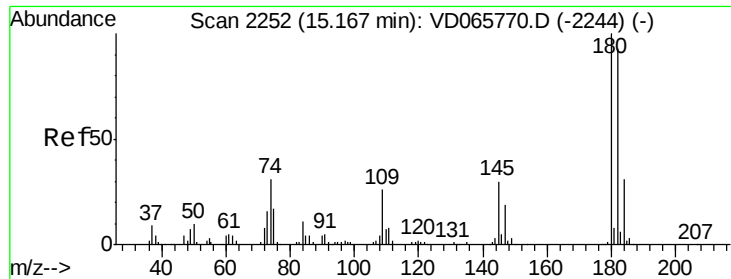
Tgt Ion:146 Resp: 91669
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.8 59.4
 148 62.0 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.84 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD065769.D
 Acq: 05 Jun 2020 11:24

Tgt Ion: 75 Resp: 6097
 Ion Ratio Lower Upper
 75 100
 155 81.2 46.3 138.9
 157 106.7 58.1 174.3

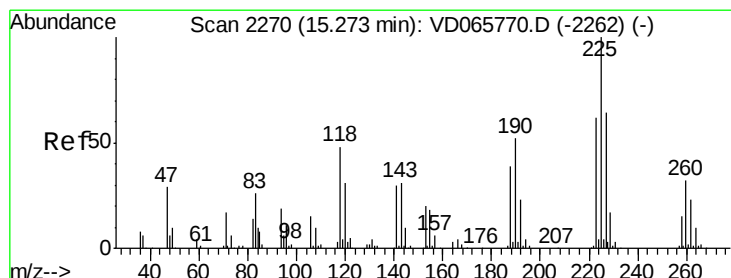
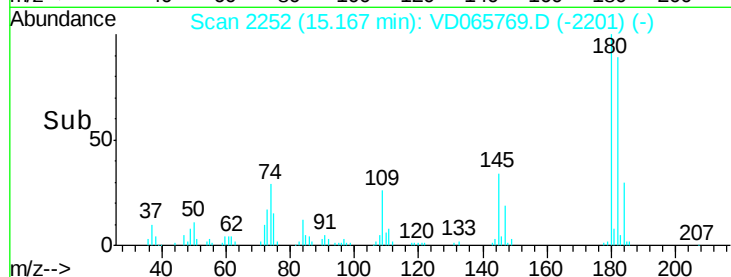
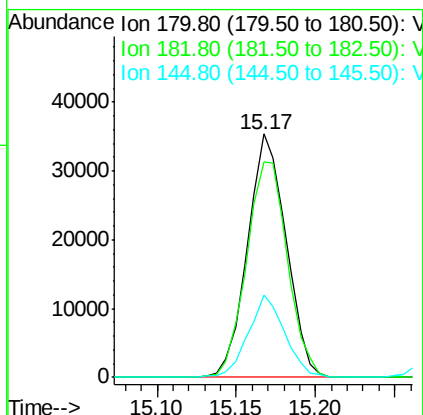
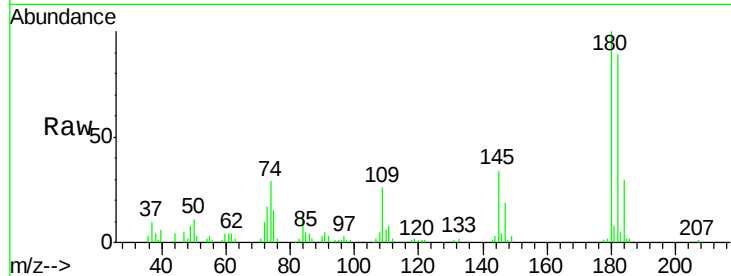




#93
 1,2,4-Trichlorobenzene
 Concen: 20.81 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD065769.D
 Acq: 05 Jun 2020 11:24

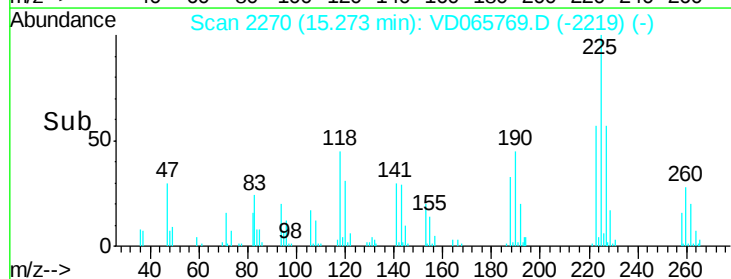
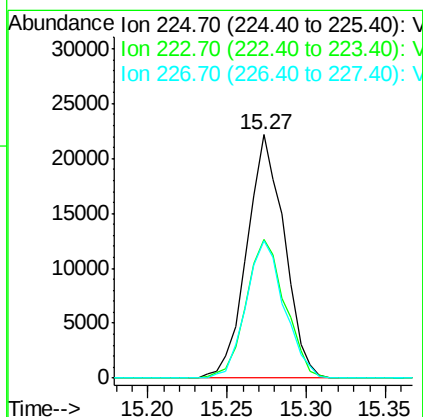
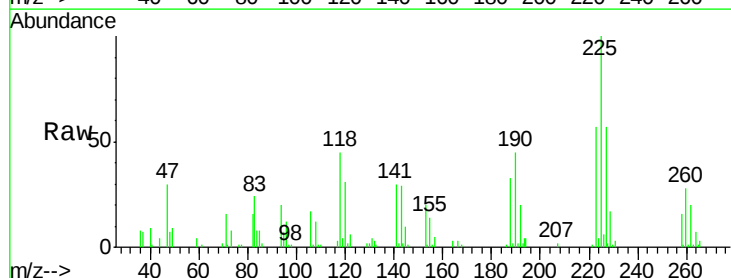
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

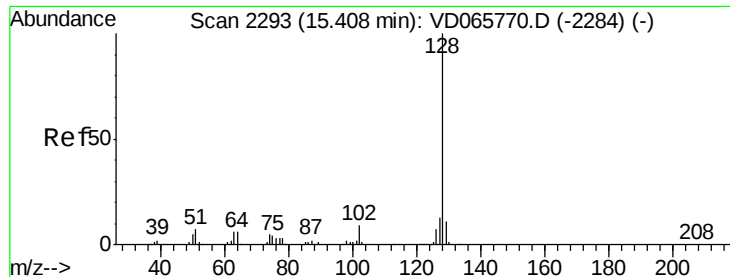
Tgt Ion:180 Resp: 59796
 Ion Ratio Lower Upper
 180 100
 182 94.2 48.0 144.2
 145 32.0 14.9 44.9



#94
 Hexachlorobutadiene
 Concen: 20.59 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD065769.D
 Acq: 05 Jun 2020 11:24

Tgt Ion:225 Resp: 36431
 Ion Ratio Lower Upper
 225 100
 223 59.2 30.9 92.7
 227 57.5 31.9 95.7

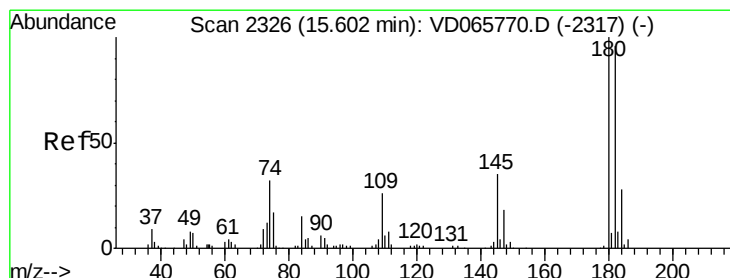
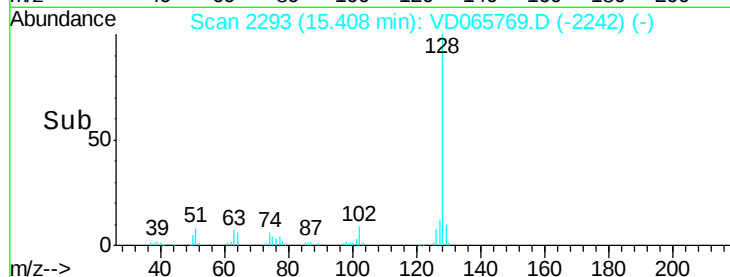
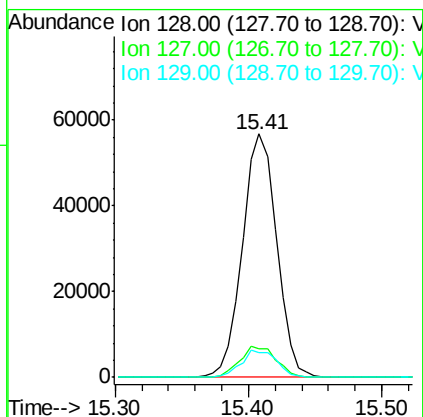
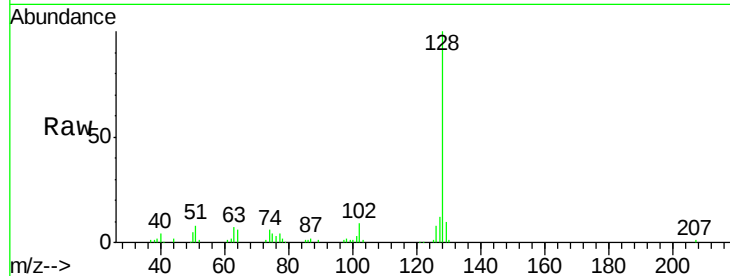




#95
Naphthalene
Concen: 20.98 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 100632
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 11.4 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 21.16 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD065769.D
Acq: 05 Jun 2020 11:24

Tgt Ion:180 Resp: 52286
Ion Ratio Lower Upper
180 100
182 92.1 47.0 141.2
145 30.7 16.2 48.6

