

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070720\
 Data File : VD065921.D
 Acq On : 07 Jul 2020 14:07
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Jul 08 09:20:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:18:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	439192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	677049	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	623621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304385	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	39735	10.21	ug/l	0.00
Spiked Amount			Recovery	=	20.42%	
35) Dibromofluoromethane	7.92	113	39083	9.36	ug/l	0.00
Spiked Amount			Recovery	=	18.72%	
50) Toluene-d8	10.34	98	150776	9.89	ug/l	0.00
Spiked Amount			Recovery	=	19.78%	
62) 4-Bromofluorobenzene	12.64	95	50131	9.58	ug/l	0.00
Spiked Amount			Recovery	=	19.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	45740	11.715	ug/l	98
3) Chloromethane	2.21	50	43093	11.134	ug/l	95
4) Vinyl Chloride	2.35	62	38731	10.898	ug/l	97
5) Bromomethane	2.76	94	24790	11.012	ug/l	84
6) Chloroethane	2.93	64	21498	10.119	ug/l #	87
7) Trichlorofluoromethane	3.27	101	81953	10.759	ug/l	99
8) Diethyl Ether	3.71	74	20732	9.921	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	47392	10.402	ug/l	99
10) Methyl Iodide	4.30	142	37425	8.649	ug/l	96
11) Tert butyl alcohol	5.20	59	16309	59.149	ug/l #	71
12) 1,1-Dichloroethene	4.07	96	42993	10.101	ug/l	83
13) Acrolein	3.92	56	13221	57.573	ug/l	100
14) Allyl chloride	4.71	41	73550	10.197	ug/l	99
15) Acrylonitrile	5.42	53	45139	49.337	ug/l	98
16) Acetone	4.16	43	47653	52.241	ug/l	100
17) Carbon Disulfide	4.41	76	141669	10.446	ug/l	97
18) Methyl Acetate	4.71	43	20967	9.806	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	91363	10.139	ug/l	99
20) Methylene Chloride	4.97	84	86748	13.387	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	49638	10.365	ug/l	96
22) Diisopropyl ether	6.36	45	137992	10.180	ug/l	90
23) Vinyl Acetate	6.30	43	385229	49.788	ug/l	96
24) 1,1-Dichloroethane	6.27	63	82001	10.145	ug/l	99
25) 2-Butanone	7.21	43	62658	51.983	ug/l	93
26) 2,2-Dichloropropane	7.21	77	74097	10.479	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	52598	10.222	ug/l	98
28) Bromochloromethane	7.55	49	34864	11.418	ug/l	96
29) Tetrahydrofuran	7.56	42	38501	50.232	ug/l	97
30) Chloroform	7.71	83	84343	10.293	ug/l	100
31) Cyclohexane	7.98	56	83973	10.559	ug/l #	87
32) 1,1,1-Trichloroethane	7.90	97	76226	10.193	ug/l	97
36) 1,1-Dichloropropene	8.11	75	68324	10.218	ug/l	99
37) Ethyl Acetate	7.30	43	29531	10.540	ug/l #	83
38) Carbon Tetrachloride	8.10	117	74299	10.366	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	81193	9.890	ug/l	96
40) Benzene	8.35	78	186244	10.082	ug/l	98
41) Methacrylonitrile	7.52	41	16976	10.194	ug/l	97
42) 1,2-Dichloroethane	8.43	62	53292	10.183	ug/l	100
43) Isopropyl Acetate	8.45	43	51816	9.936	ug/l	98
44) Trichloroethene	9.11	130	56856	10.475	ug/l	93
45) 1,2-Dichloropropane	9.39	63	46412	10.123	ug/l	96
46) Dibromomethane	9.48	93	23726	9.939	ug/l	97
47) Bromodichloromethane	9.67	83	64032	10.000	ug/l #	93
48) Methyl methacrylate	9.46	41	26035	9.917	ug/l	96
49) 1,4-Dioxane	9.46	88	5431	191.481	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	131975	50.055	ug/l	98
52) Toluene	10.40	92	118654	10.096	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	57431	9.539	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	70212	9.651	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	34213	10.403	ug/l	95
56) Ethyl methacrylate	10.66	69	37566	9.352	ug/l	97
57) 1,3-Dichloropropane	10.94	76	56801	9.876	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	100429	51.623	ug/l	99
59) 2-Hexanone	10.98	43	88950	49.054	ug/l	97
60) Dibromochloromethane	11.14	129	44430	9.888	ug/l	99
61) 1,2-Dibromoethane	11.25	107	32139	9.801	ug/l	97
64) Tetrachloroethene	10.88	164	45522	10.038	ug/l	99
65) Chlorobenzene	11.67	112	125690	10.001	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	46589	9.912	ug/l	99
67) Ethyl Benzene	11.75	91	221810	9.935	ug/l	97
68) m/p-Xylenes	11.86	106	166987	19.687	ug/l	98
69) o-Xylene	12.18	106	76414	9.889	ug/l	99
70) Styrene	12.20	104	128850	9.660	ug/l	99
71) Bromoform	12.36	173	27059	10.174	ug/l #	98
73) Isopropylbenzene	12.48	105	212776	10.016	ug/l	99
74) N-amyl acetate	12.29	43	46745	9.806	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	35957	10.195	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	47726	18.768	ug/l #	100
77) Bromobenzene	12.76	156	50811	9.862	ug/l	95
78) n-propylbenzene	12.82	91	246509	9.898	ug/l	99
79) 2-Chlorotoluene	12.91	91	139160	9.849	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	172850	9.948	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	11843	9.966	ug/l	98
82) 4-Chlorotoluene	13.01	91	151364	10.211	ug/l	100
83) tert-Butylbenzene	13.23	119	145671	9.840	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	171326	9.906	ug/l	99
85) sec-Butylbenzene	13.40	105	208254	9.927	ug/l	100
86) p-Isopropyltoluene	13.52	119	189956	9.899	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	97972	10.162	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	97252	10.111	ug/l	98
89) n-Butylbenzene	13.85	91	177989	9.878	ug/l	100
90) Hexachloroethane	14.11	117	38716	10.005	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	84229	9.996	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5553	9.416	ug/l	89

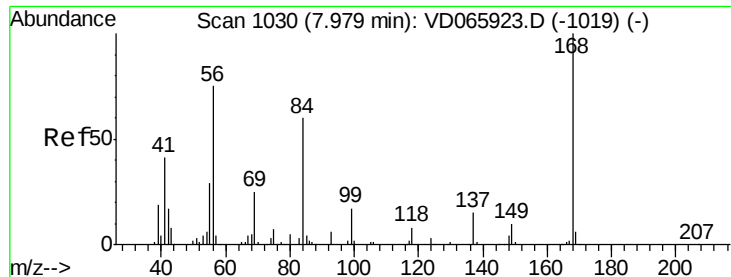
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070720\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	57179	9.521	ug/l	99
94) Hexachlorobutadiene	15.27	225	34531	9.505	ug/l	94
95) Naphthalene	15.40	128	95320	9.463	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	50922	9.830	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

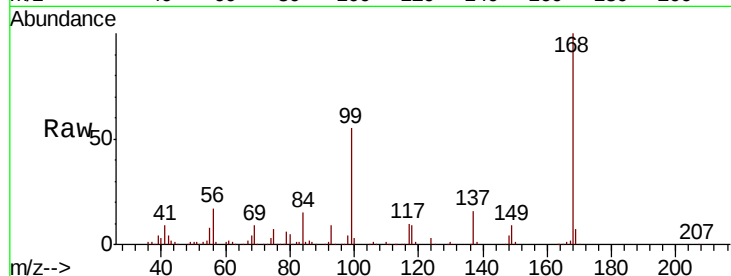
VSTDIC010

Tot Ion:168 Resp: 439192

Ion Ratio Lower Upper

168 100

99 55.0 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

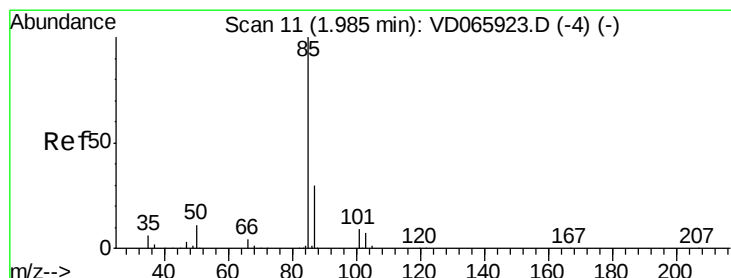
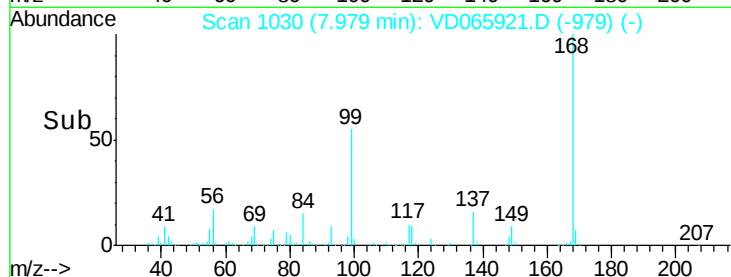
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 11.715 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065921.D

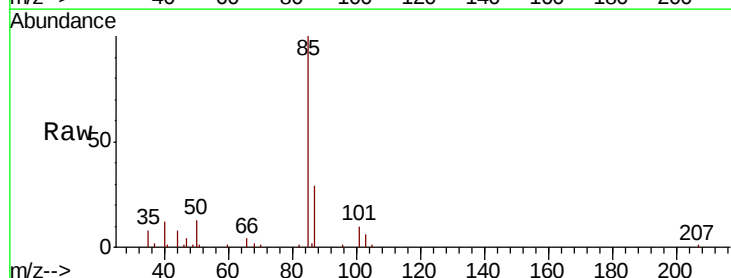
Acq: 07 Jul 2020 14:07

Tgt Ion: 85 Resp: 45740

Ion Ratio Lower Upper

85 100

87 28.7 14.9 44.9



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

40000

30000

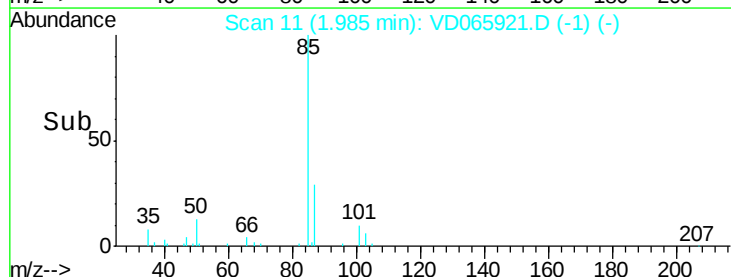
20000

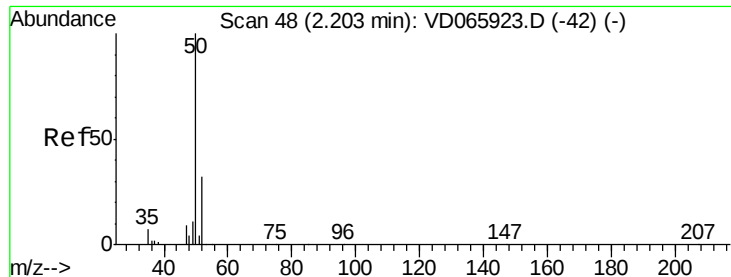
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 11.134 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

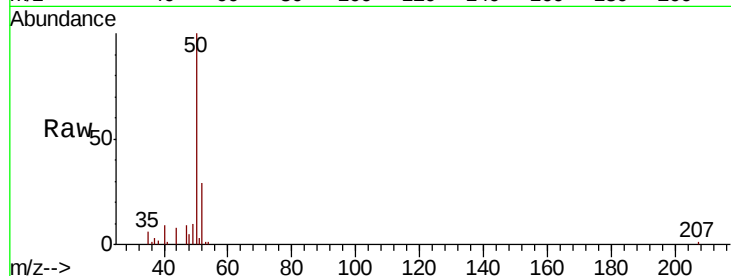
VSTDIC010

Tot Ion: 50 Resp: 43093

Ion Ratio Lower Upper

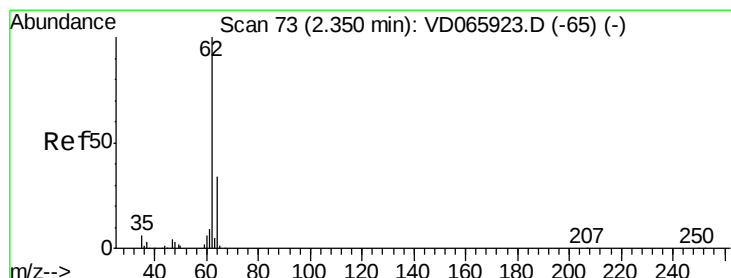
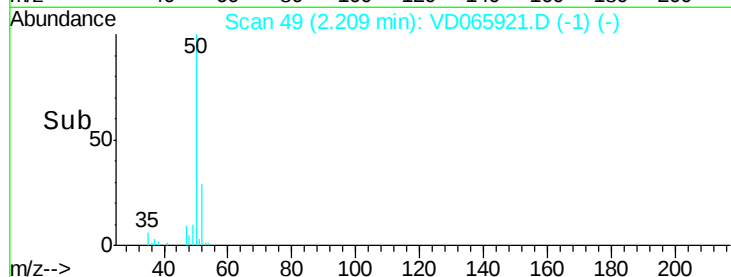
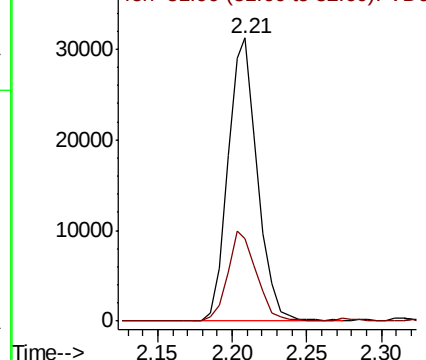
50 100

52 29.3 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 10.898 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065921.D

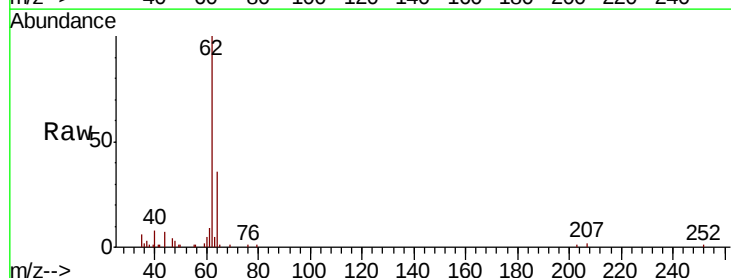
Acq: 07 Jul 2020 14:07

Tgt Ion: 62 Resp: 38731

Ion Ratio Lower Upper

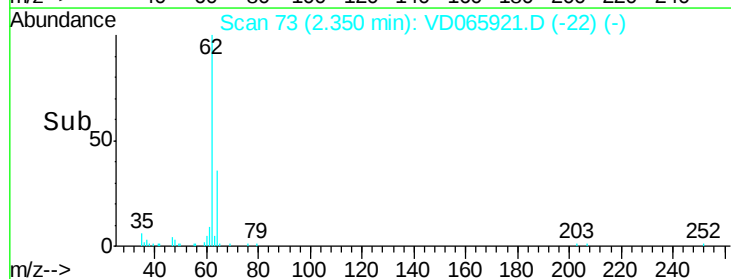
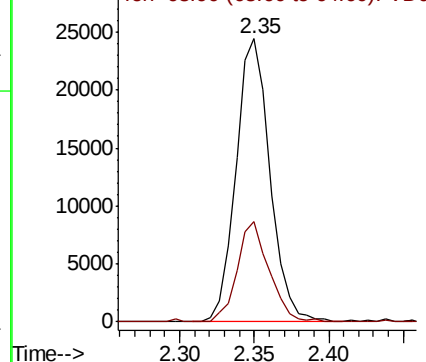
62 100

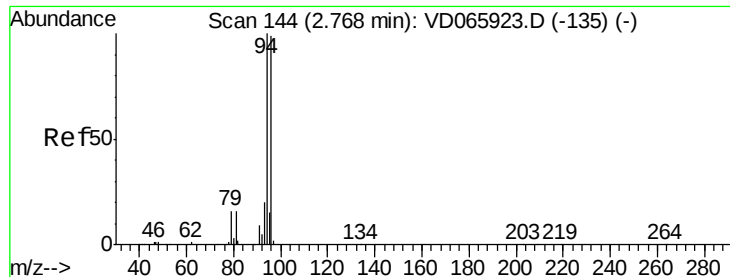
64 35.6 27.2 40.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 11.012 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

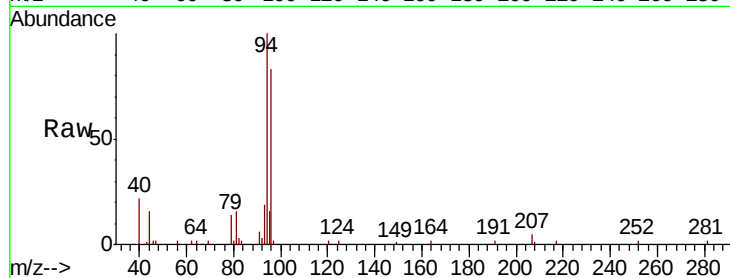
VSTDIC010

Tot Ion: 94 Resp: 24790

Ion Ratio Lower Upper

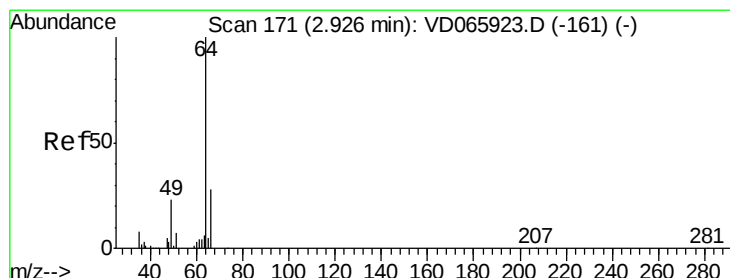
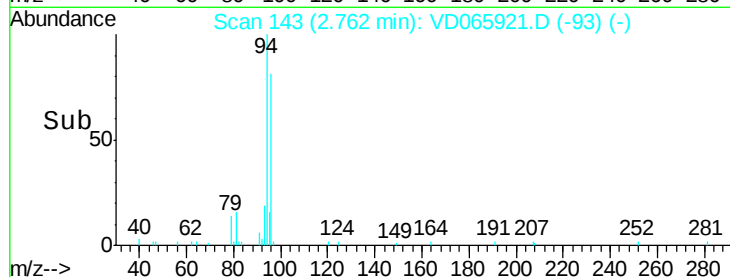
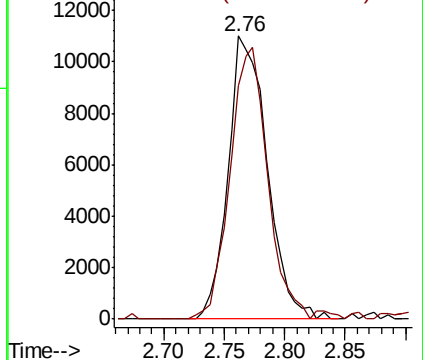
94 100

96 82.6 78.8 118.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 10.119 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065921.D

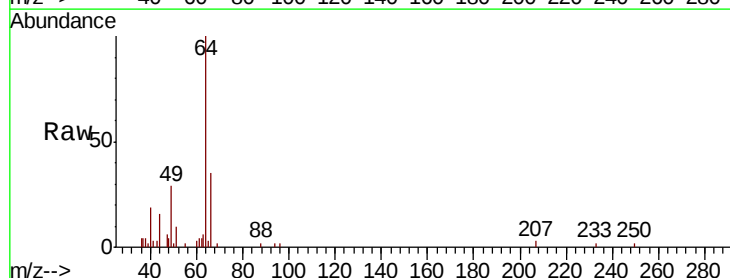
Acq: 07 Jul 2020 14:07

Tgt Ion: 64 Resp: 21498

Ion Ratio Lower Upper

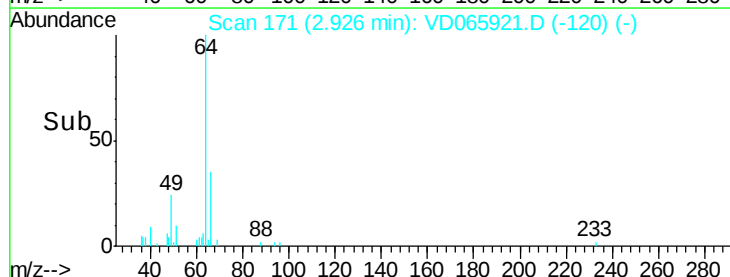
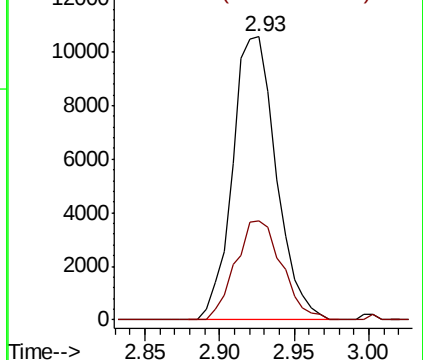
64 100

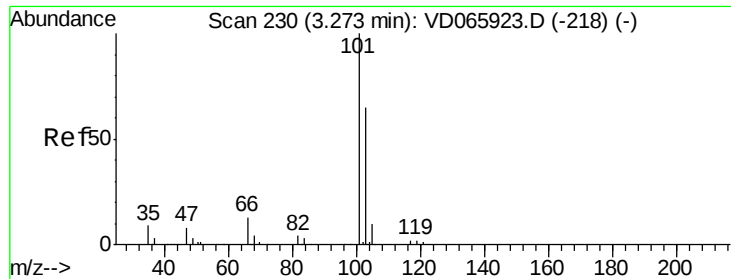
66 34.8 22.6 33.8#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



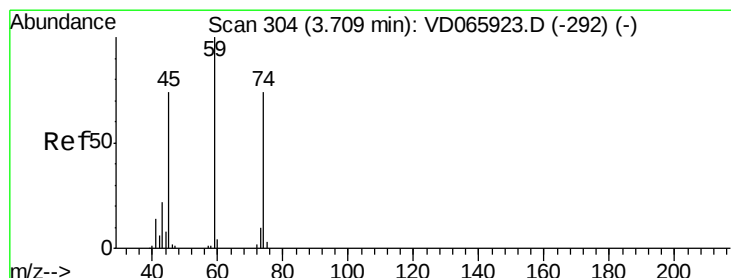
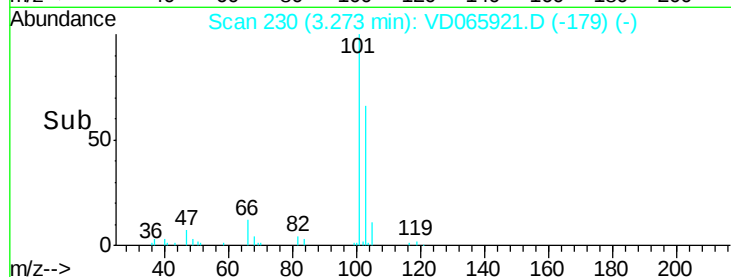
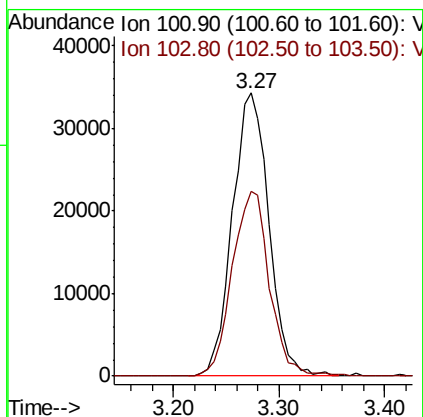
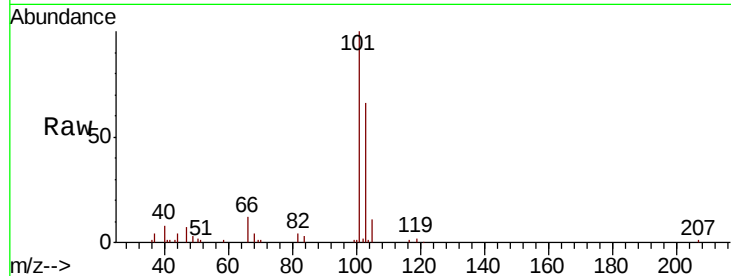


#7

Trichlorofluoromethane
 Concen: 10.759 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

Instrument :
 MSVOA_D
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 VSTDIC010

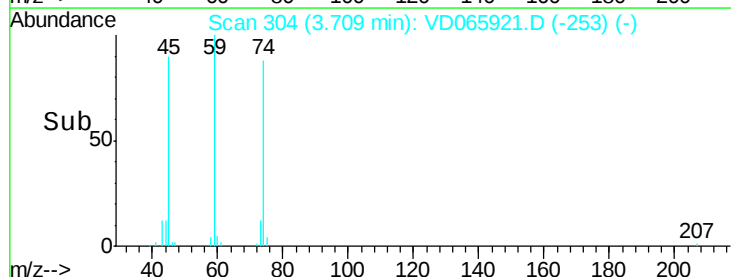
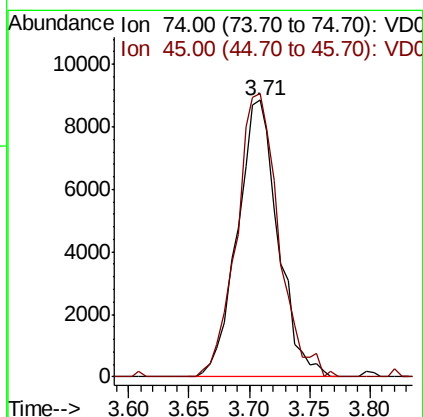
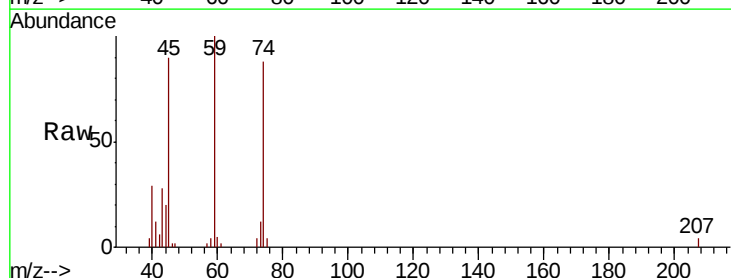
Tot Ion:101 Resp: 81953
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.7 77.5

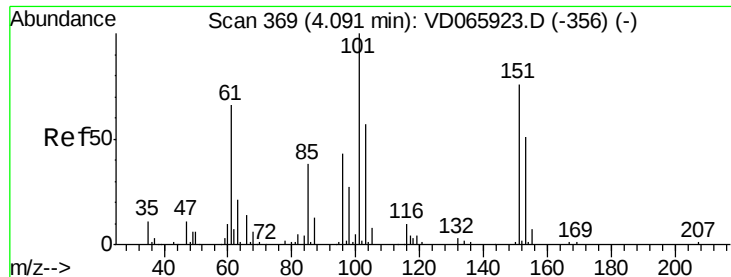


#8

Diethyl Ether
 Concen: 9.921 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

Tgt Ion: 74 Resp: 20732
 Ion Ratio Lower Upper
 74 100
 45 105.9 51.1 153.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.402 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

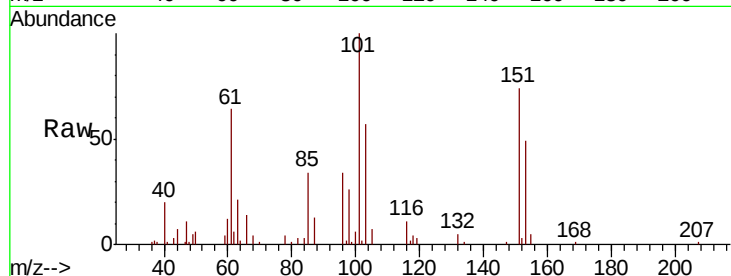
Tot Ion:101 Resp: 47392

Ion Ratio Lower Upper

101 100

85 42.5 33.8 50.8

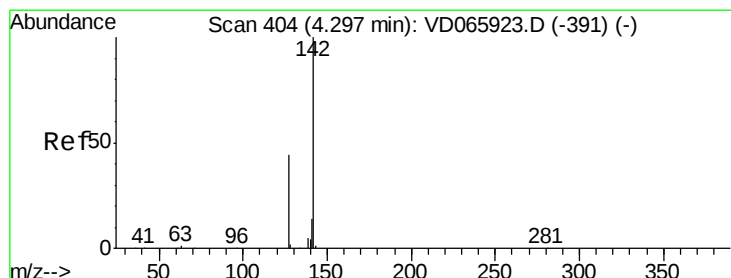
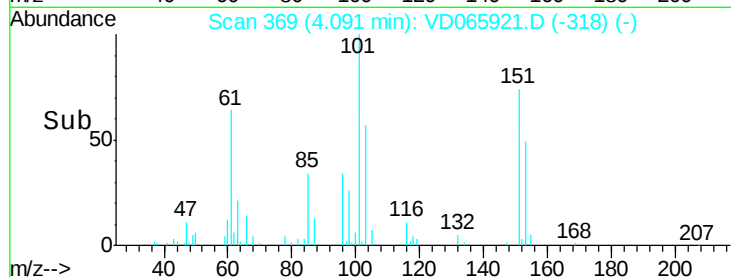
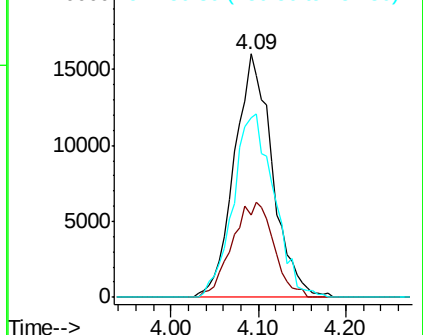
151 81.1 64.1 96.1



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: 8.649 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

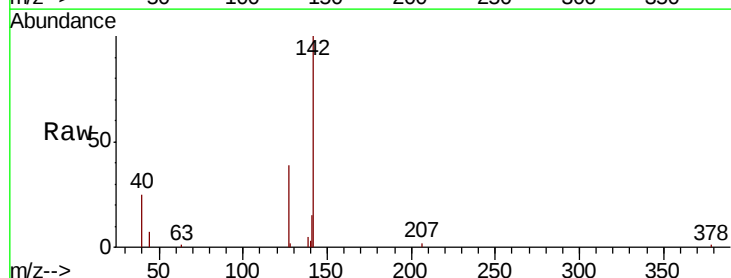
Tgt Ion:142 Resp: 37425

Ion Ratio Lower Upper

142 100

127 40.0 34.6 51.8

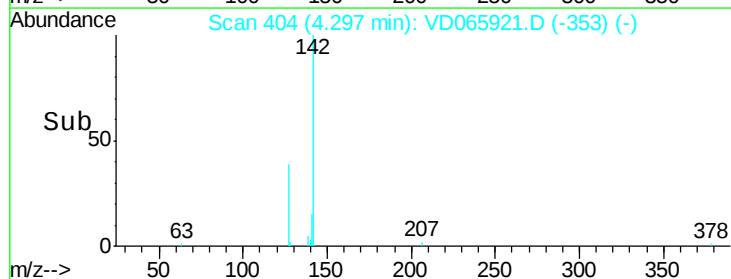
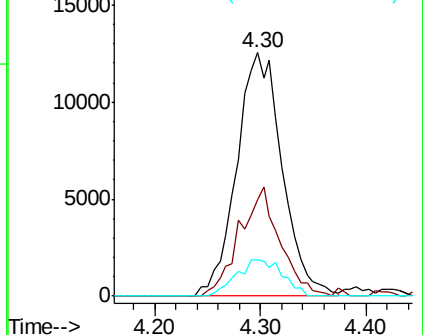
141 15.1 11.6 17.4

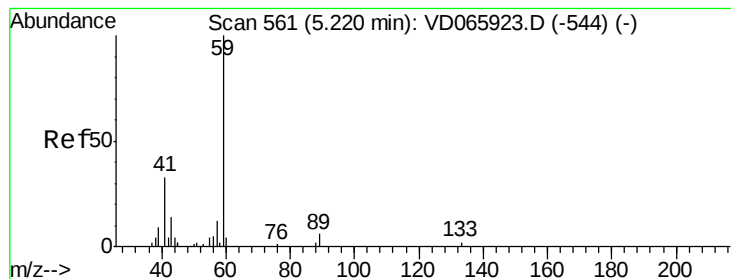


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 59.149 ug/l

RT: 5.20 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

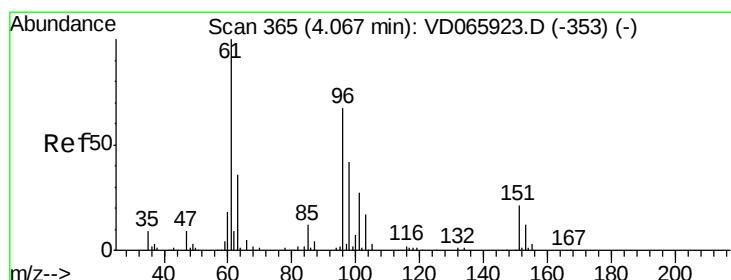
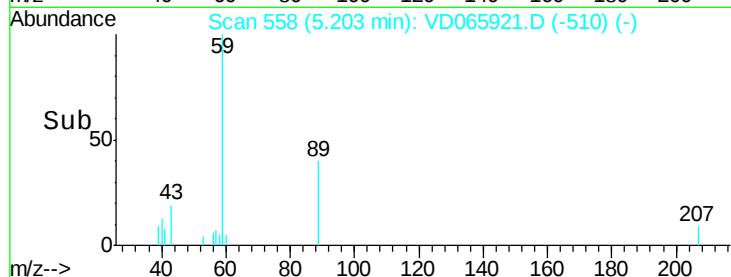
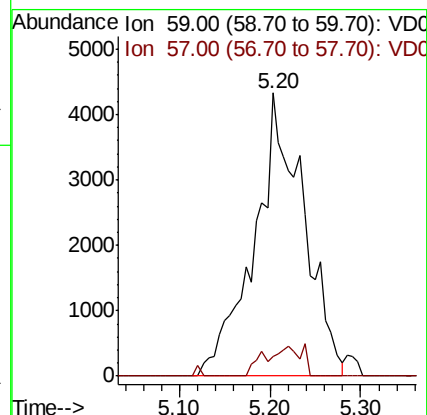
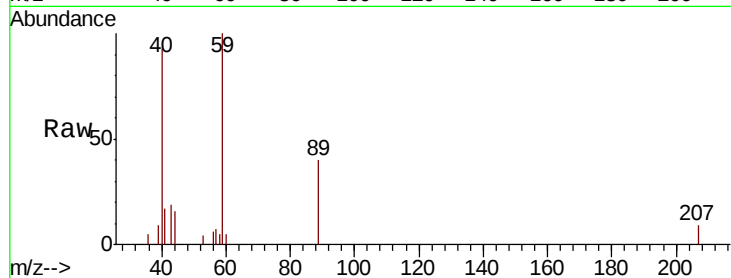
VSTDIC010

Tot Ion: 59 Resp: 16309

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#12

1,1-Dichloroethene

Concen: 10.101 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

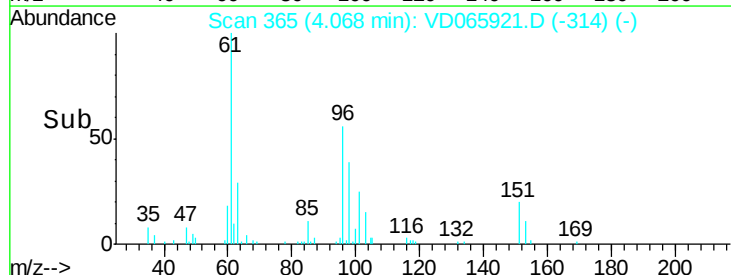
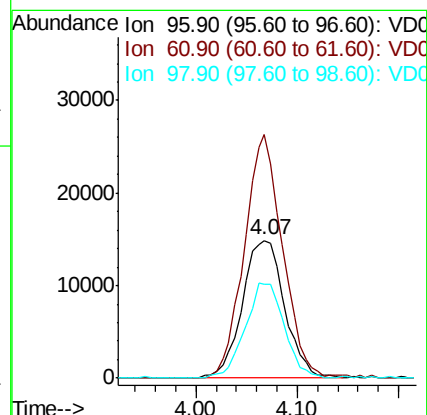
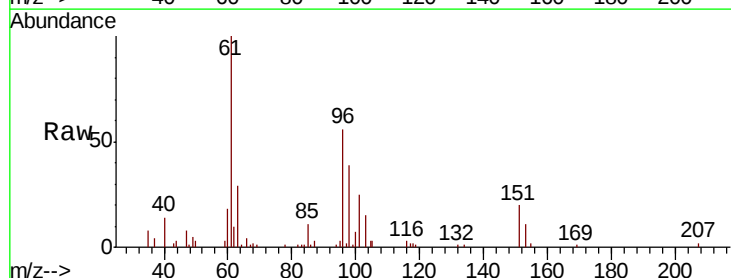
Tgt Ion: 96 Resp: 42993

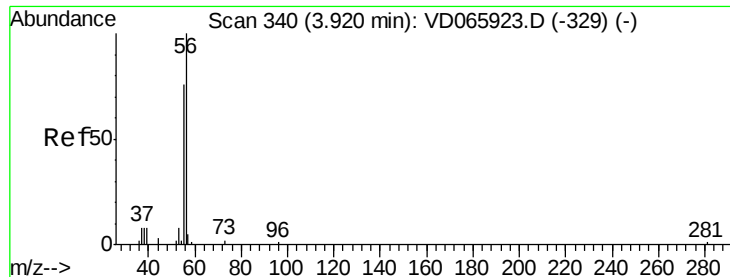
Ion Ratio Lower Upper

96 100

61 177.0 120.2 180.2

98 68.4 50.6 76.0





#13

Acrolein

Concen: 57.573 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

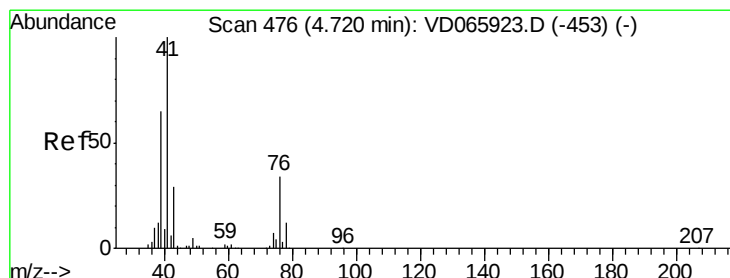
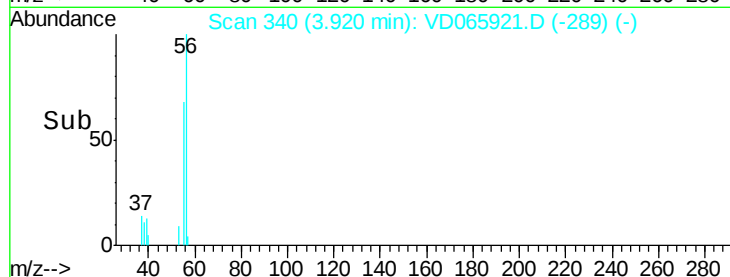
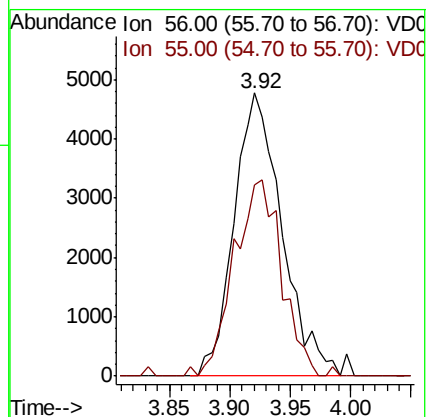
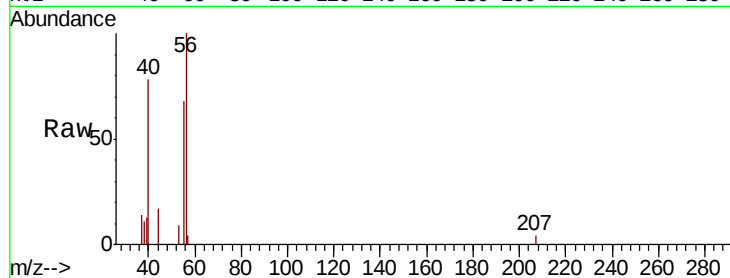
VSTDIC010

Tot Ion: 56 Resp: 13221

Ion Ratio Lower Upper

56 100

55 68.5 55.0 82.6



#14

Allyl chloride

Concen: 10.197 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

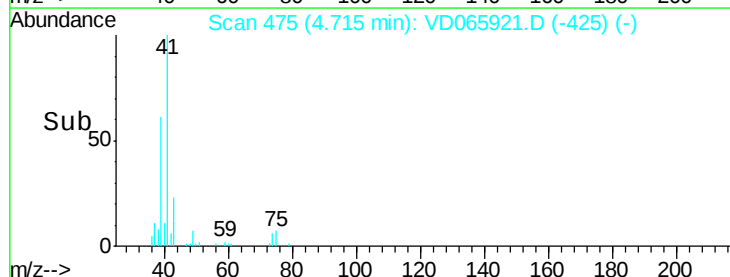
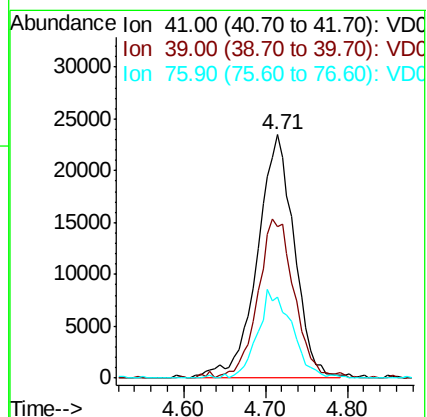
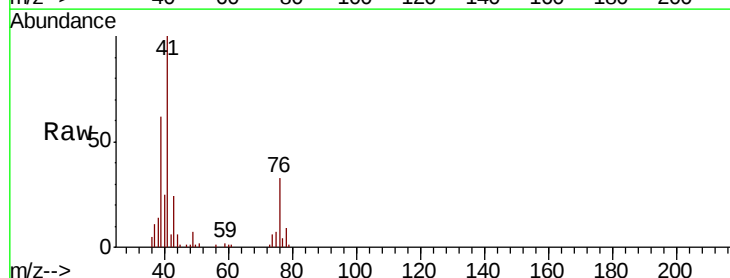
Tgt Ion: 41 Resp: 73550

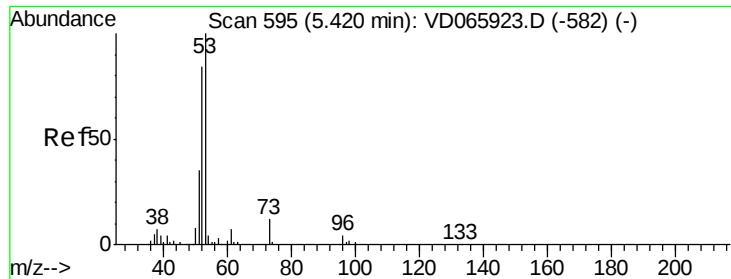
Ion Ratio Lower Upper

41 100

39 65.0 52.2 78.4

76 33.7 28.1 42.1





#15

Acrylonitrile

Concen: 49.337 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

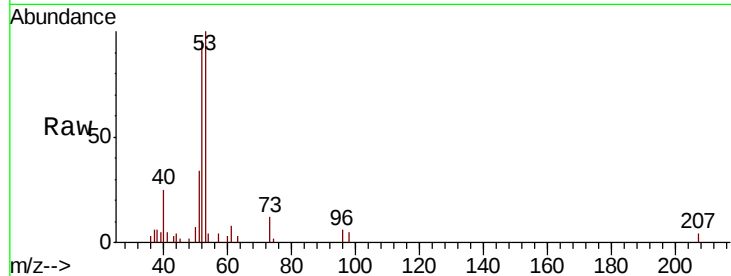
Tot Ion: 53 Resp: 45139

Ion Ratio Lower Upper

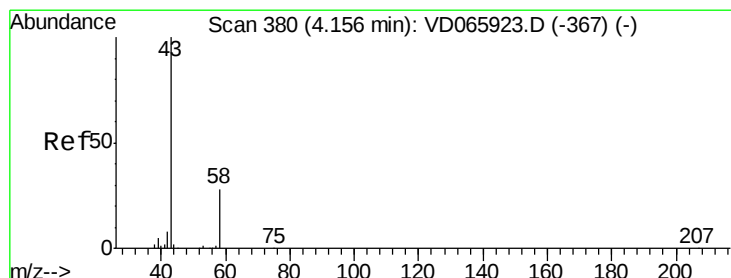
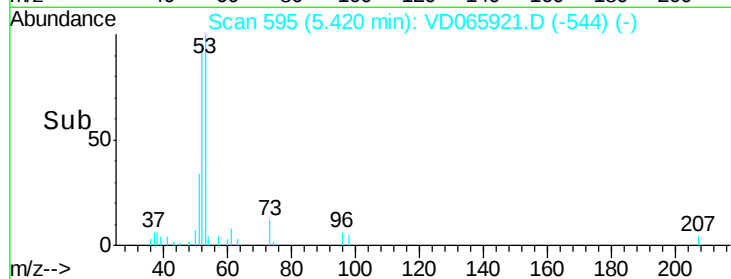
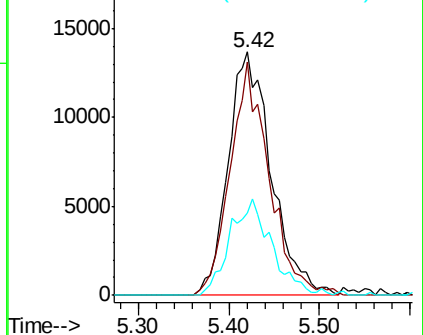
53 100

52 85.4 66.3 99.5

51 38.1 29.8 44.8



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: 52.241 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065921.D

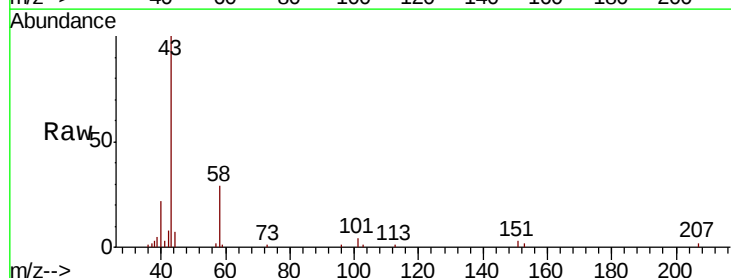
Acq: 07 Jul 2020 14:07

Tgt Ion: 43 Resp: 47653

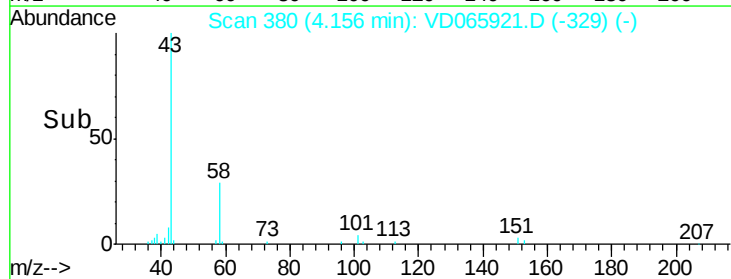
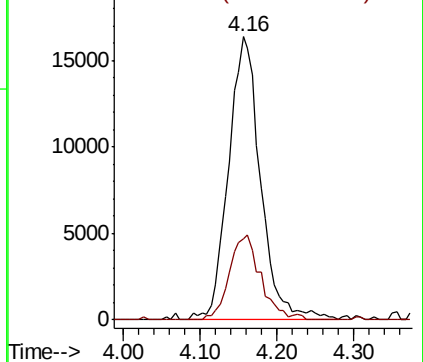
Ion Ratio Lower Upper

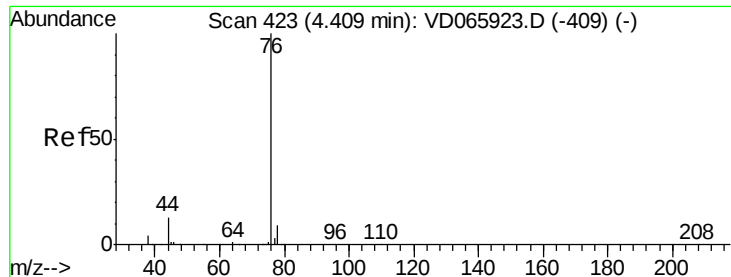
43 100

58 28.5 22.7 34.1



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

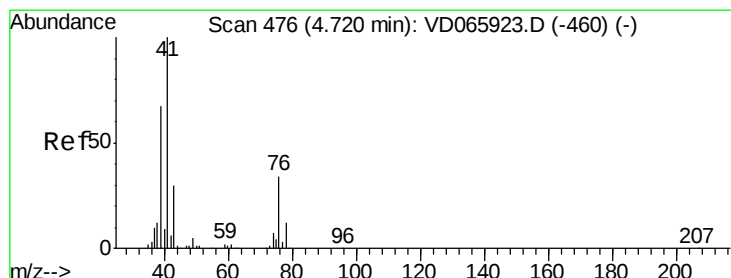
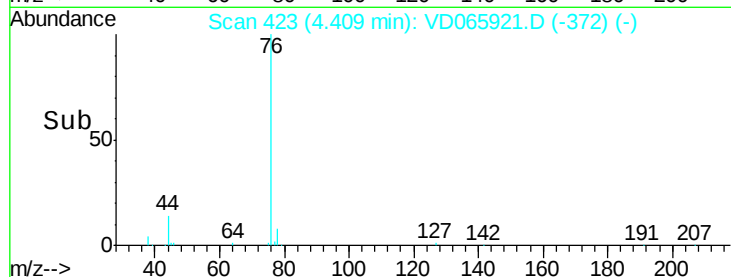
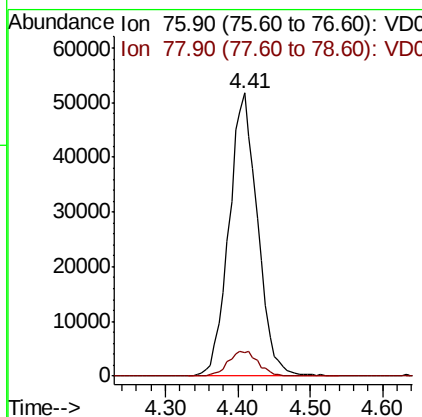
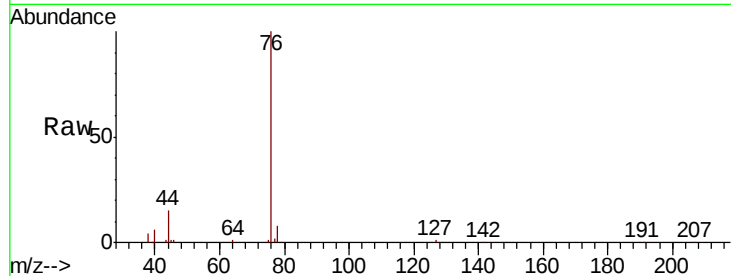




#17
Carbon Disulfide
Concen: 10.446 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

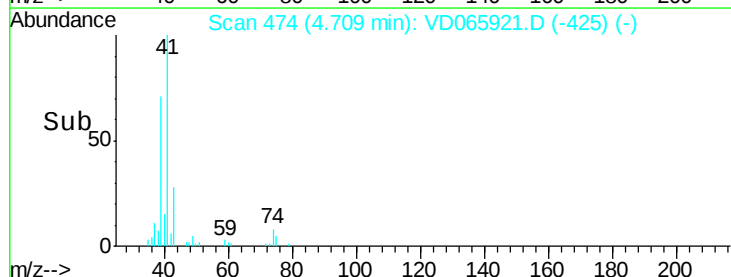
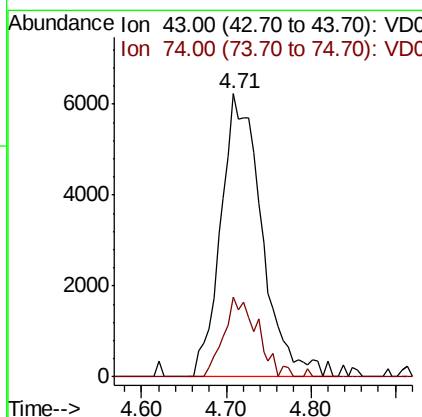
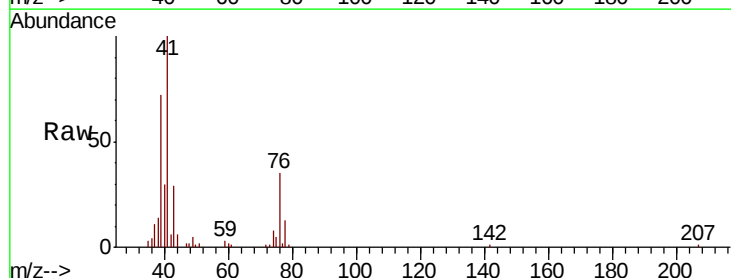
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

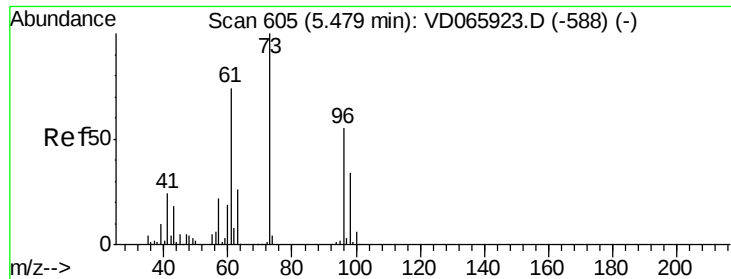
Tot Ion: 76 Resp: 141669
Ion Ratio Lower Upper
76 100
78 8.2 7.5 11.3



#18
Methyl Acetate
Concen: 9.806 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion: 43 Resp: 20967
Ion Ratio Lower Upper
43 100
74 22.9 17.8 26.8

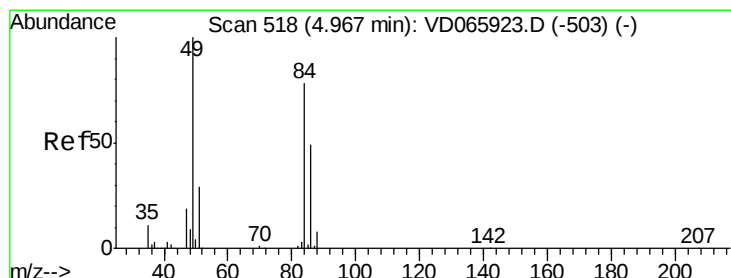
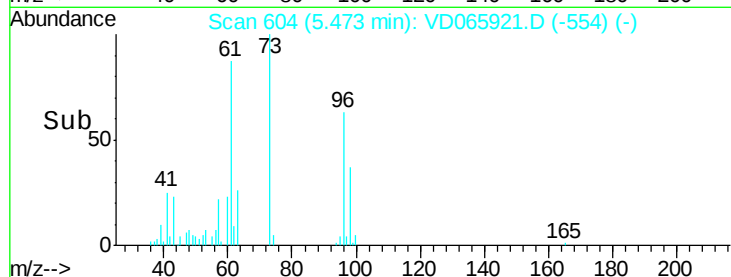
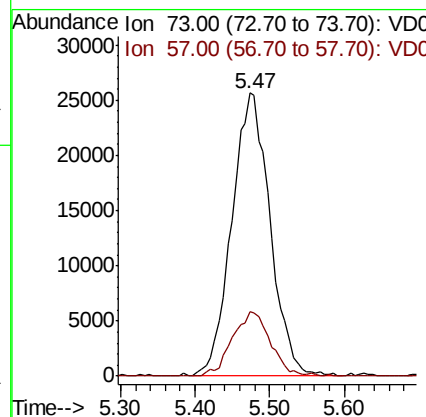
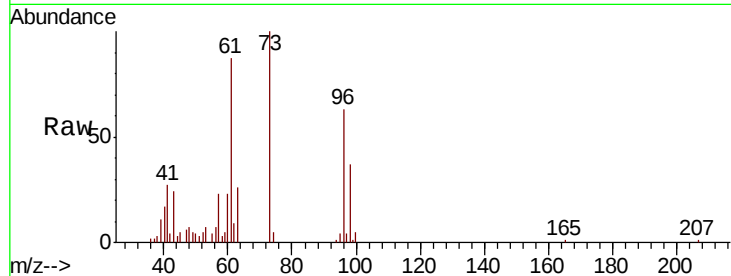




#19
Methyl tert-butyl Ether
Concen: 10.139 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

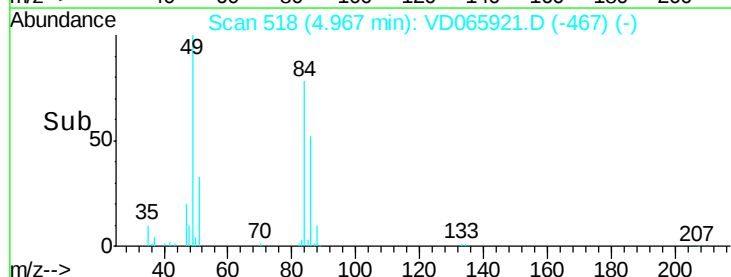
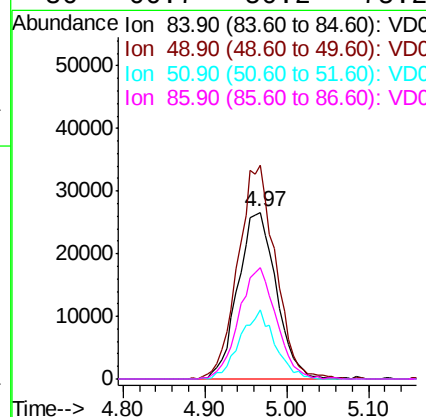
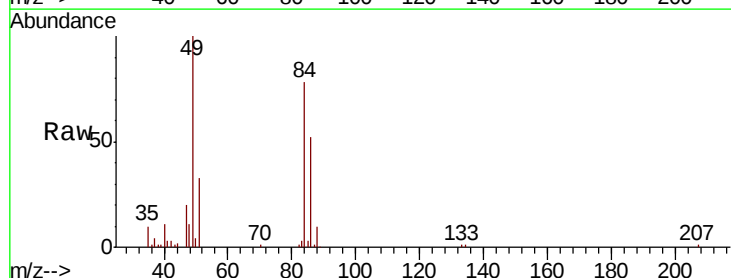
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

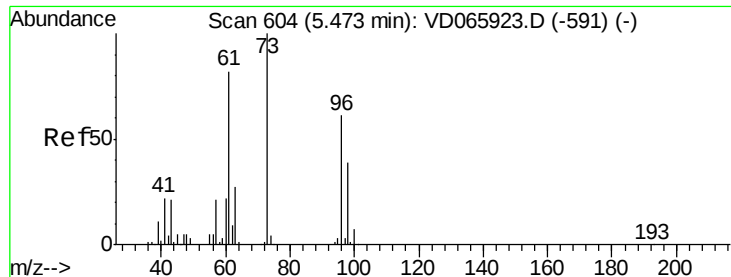
Tot Ion: 73 Resp: 91363
Ion Ratio Lower Upper
73 100
57 22.7 17.7 26.5



#20
Methylene Chloride
Concen: 13.387 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion: 84 Resp: 86748
Ion Ratio Lower Upper
84 100
49 127.4 102.2 153.2
51 41.6 29.8 44.6
86 66.7 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 10.365 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

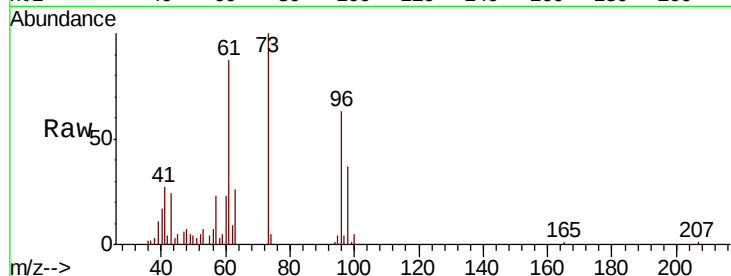
Tot Ion: 96 Resp: 49638

Ion Ratio Lower Upper

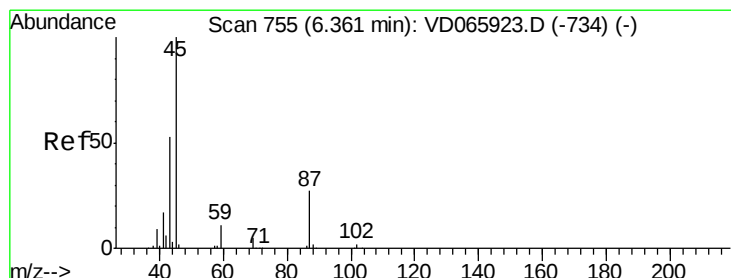
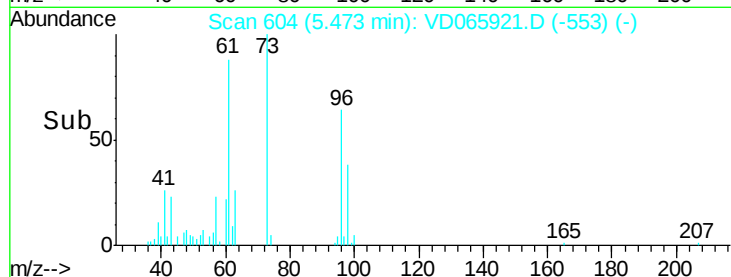
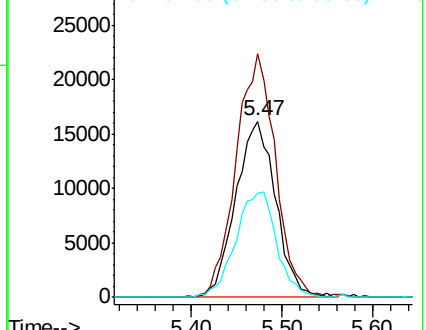
96 100

61 137.4 106.6 160.0

98 59.1 51.0 76.6



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



#22

Diisopropyl ether

Concen: 10.180 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Tgt Ion: 45 Resp: 137992

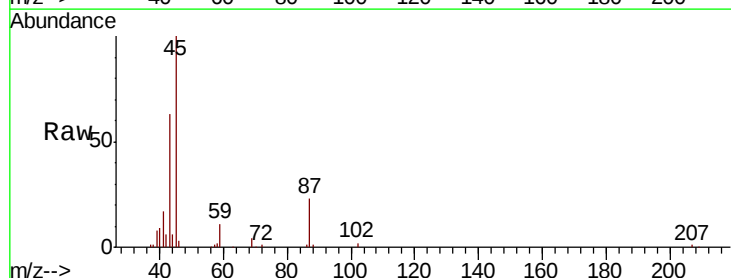
Ion Ratio Lower Upper

45 100

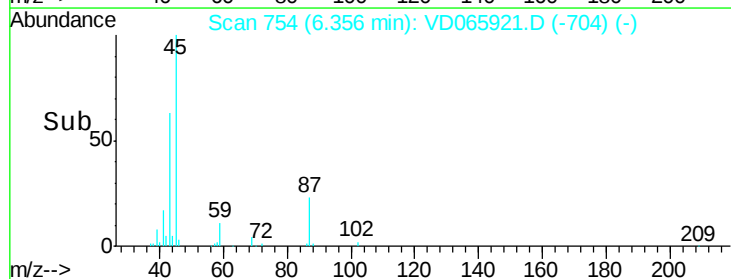
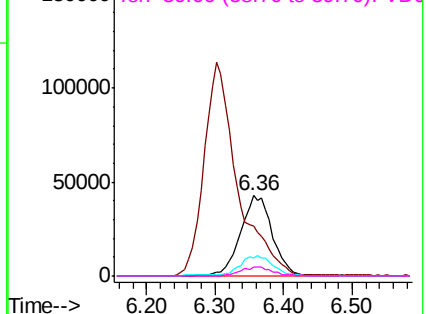
43 61.3 42.5 63.7

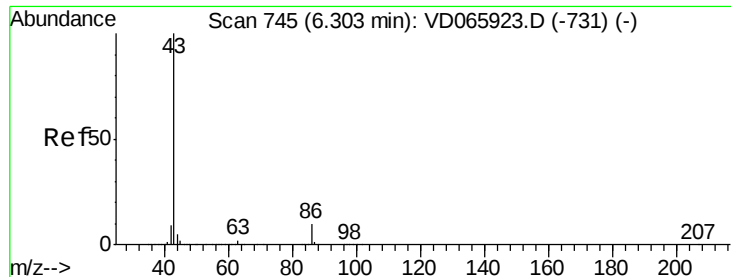
87 22.6 22.2 33.2

59 10.8 8.9 13.3



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





#23

Vinyl Acetate

Concen: 49.788 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

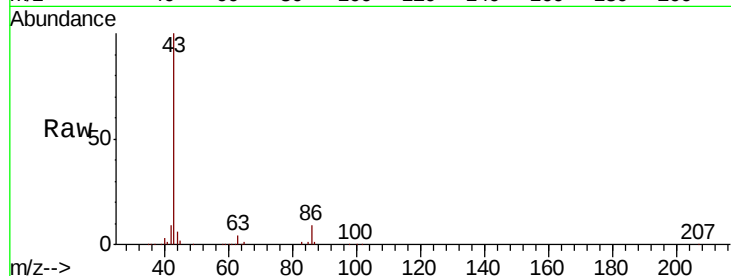
VSTDIC010

Tot Ion: 43 Resp: 385229

Ion Ratio Lower Upper

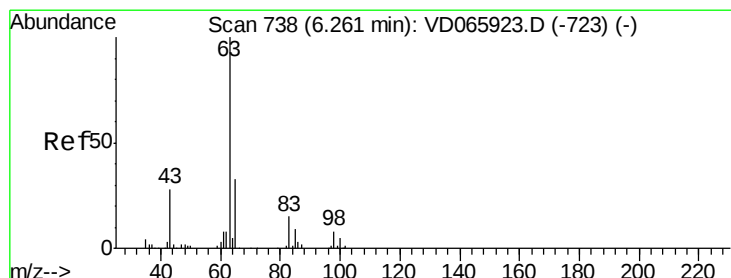
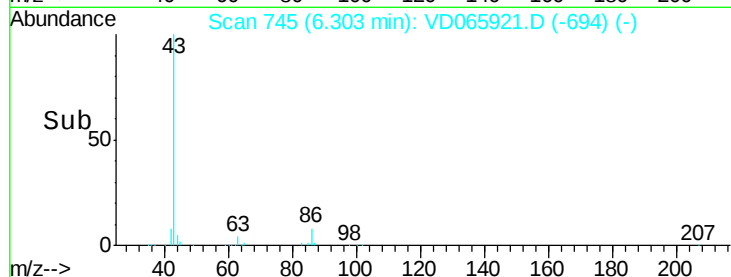
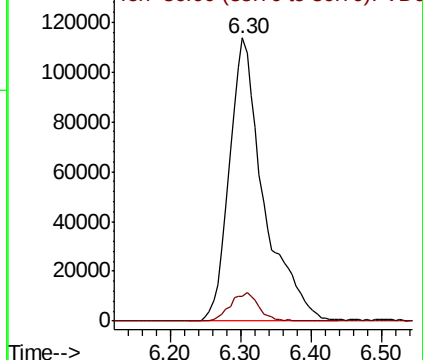
43 100

86 8.8 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 10.145 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

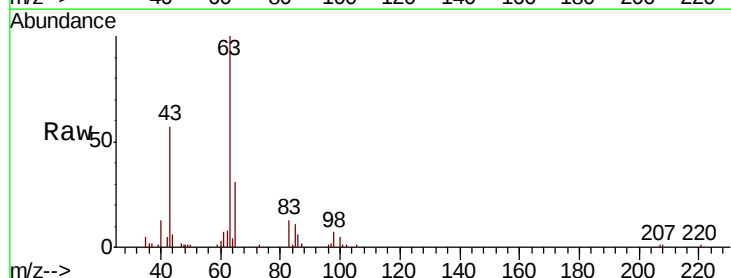
Tgt Ion: 63 Resp: 82001

Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.4

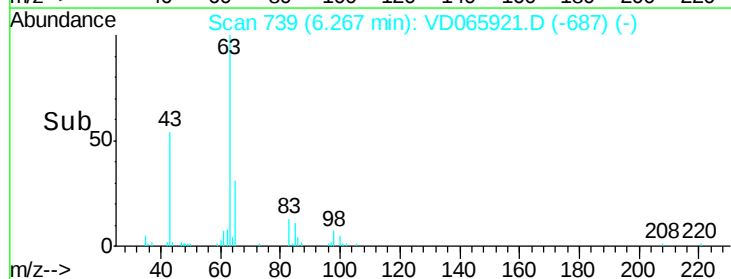
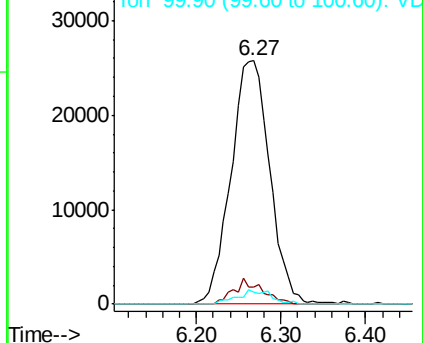
100 5.1 2.5 7.5

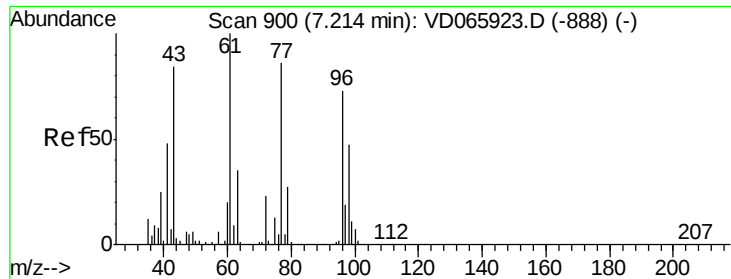


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 51.983 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

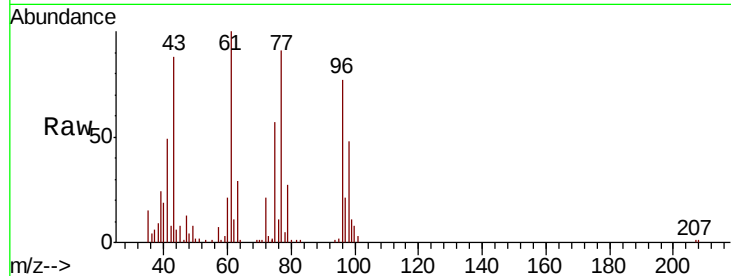
VSTDIC010

Tot Ion: 43 Resp: 62658

Ion Ratio Lower Upper

43 100

72 24.0 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.21

25000

20000

15000

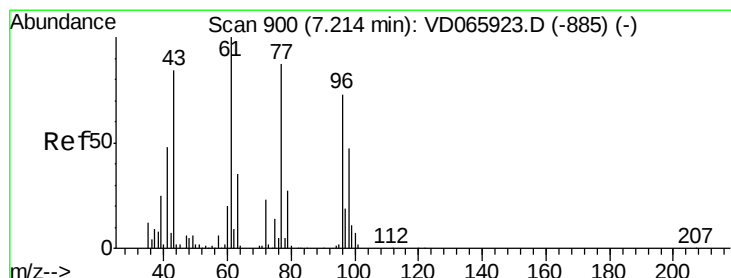
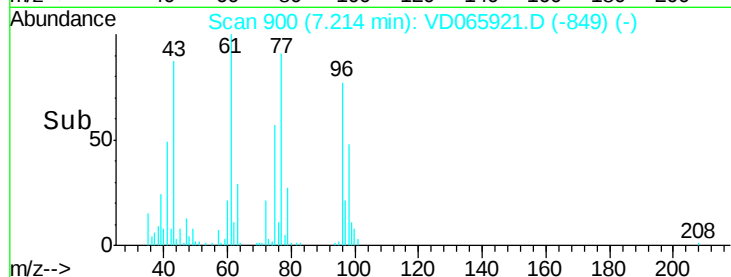
10000

5000

0

Time-->

7.10 7.15 7.20 7.25 7.30



#26

2,2-Dichloropropane

Concen: 10.479 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065921.D

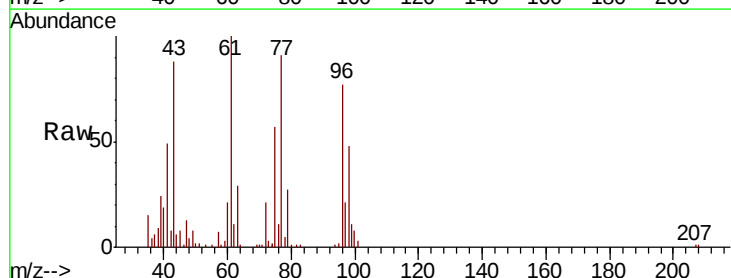
Acq: 07 Jul 2020 14:07

Tgt Ion: 77 Resp: 74097

Ion Ratio Lower Upper

77 100

97 22.5 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

25000

20000

15000

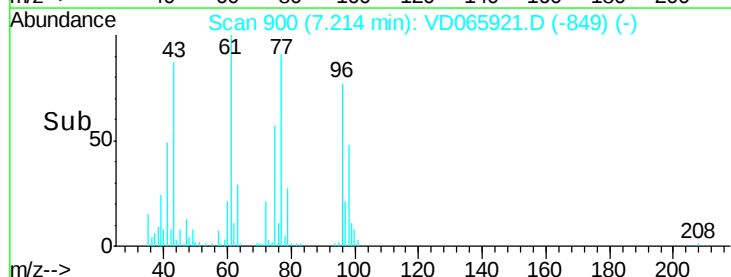
10000

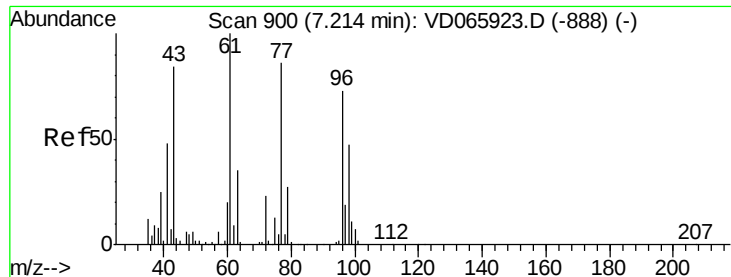
5000

0

Time-->

7.10 7.20 7.30



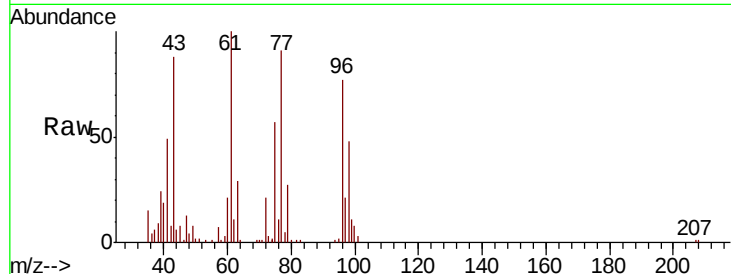


#27

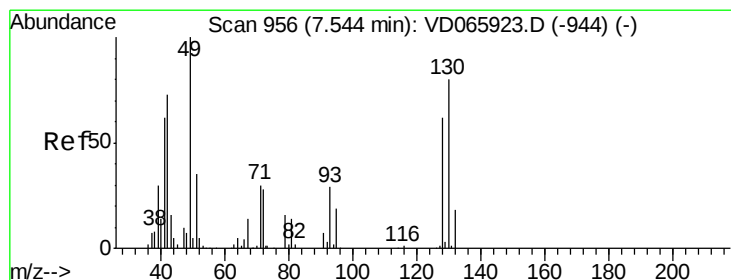
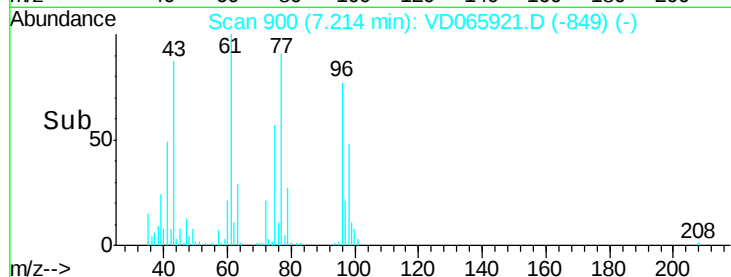
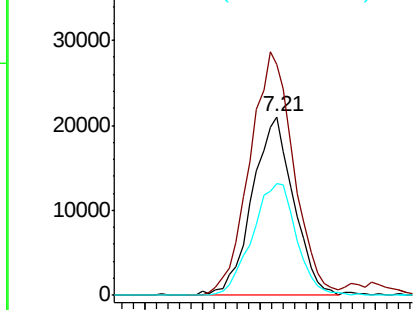
cis-1,2-Dichloroethene
Concen: 10.222 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 96 Resp: 52598
Ion Ratio Lower Upper
96 100
61 144.6 0.0 286.6
98 66.7 0.0 128.2



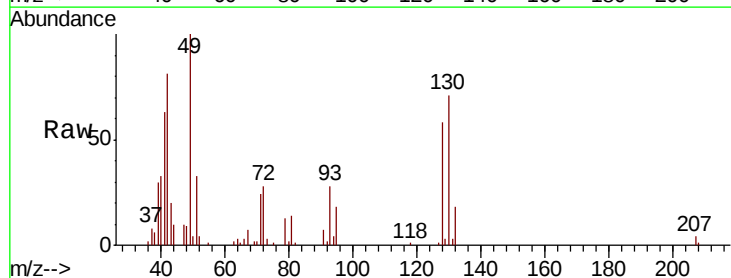
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



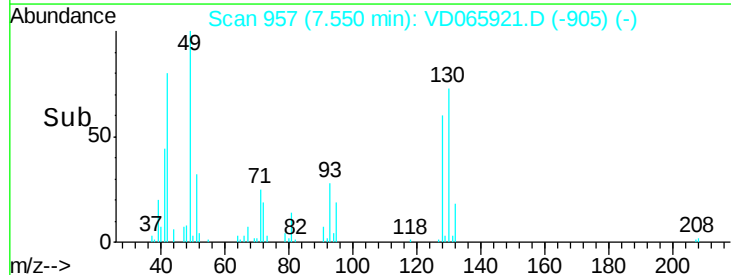
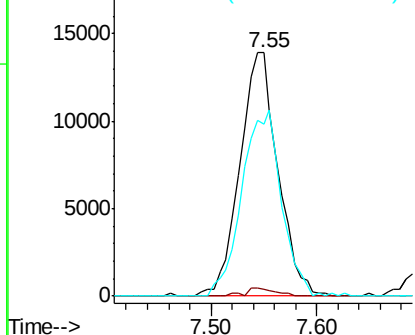
#28

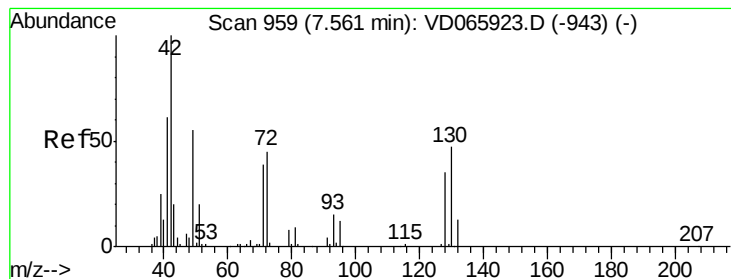
Bromochloromethane
Concen: 11.418 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion: 49 Resp: 34864
Ion Ratio Lower Upper
49 100
129 2.6 0.0 4.8
130 79.0 65.8 98.8



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: 50.232 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

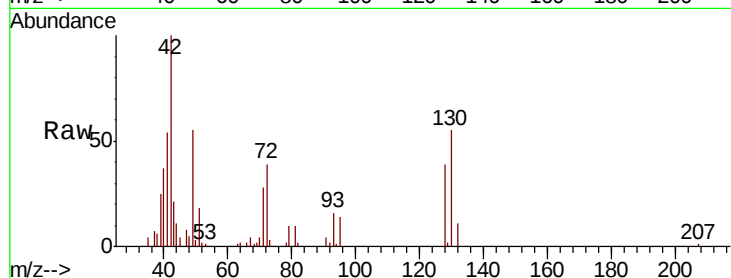
Tot Ion: 42 Resp: 38501

Ion Ratio Lower Upper

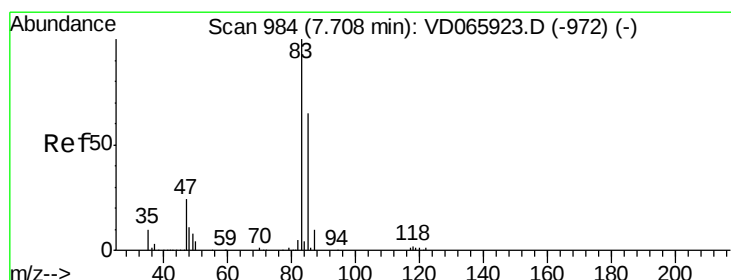
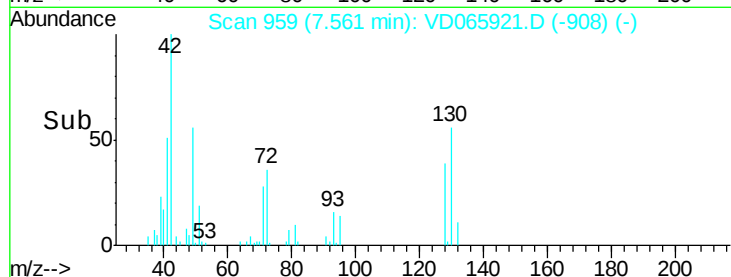
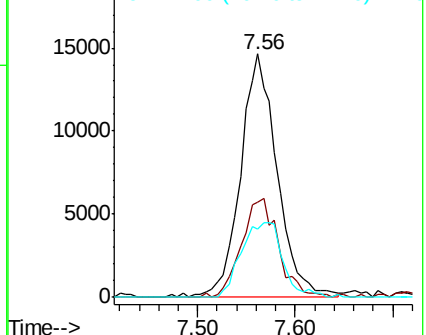
42 100

72 40.8 32.8 49.2

71 34.8 31.0 46.4



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



#30

Chloroform

Concen: 10.293 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.01 min

Lab File: VD065921.D

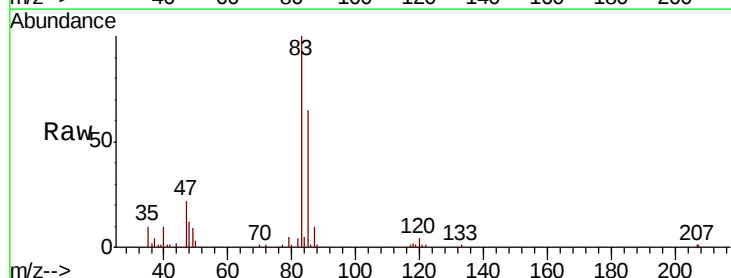
Acq: 07 Jul 2020 14:07

Tgt Ion: 83 Resp: 84343

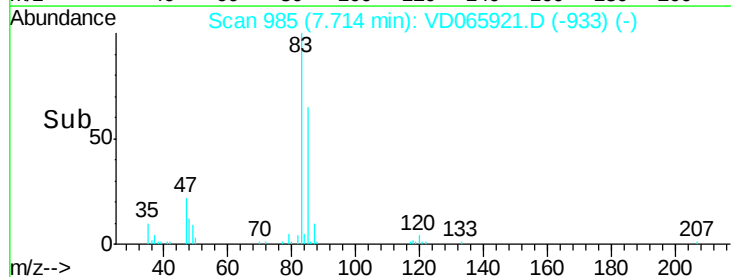
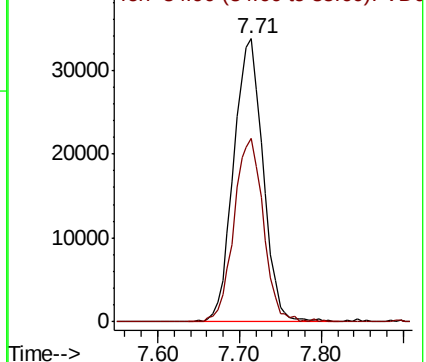
Ion Ratio Lower Upper

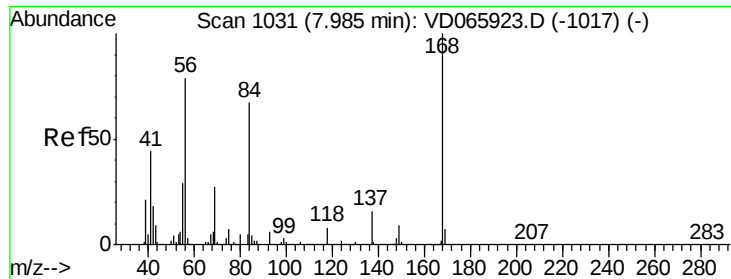
83 100

85 64.7 51.6 77.4



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

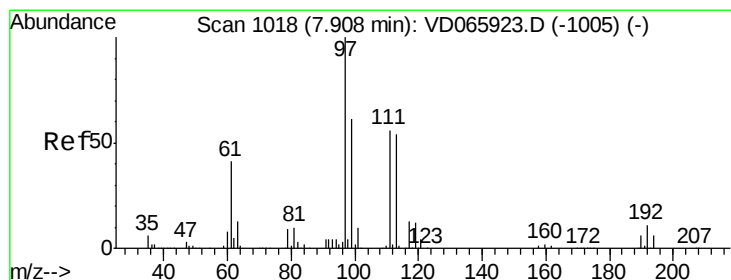
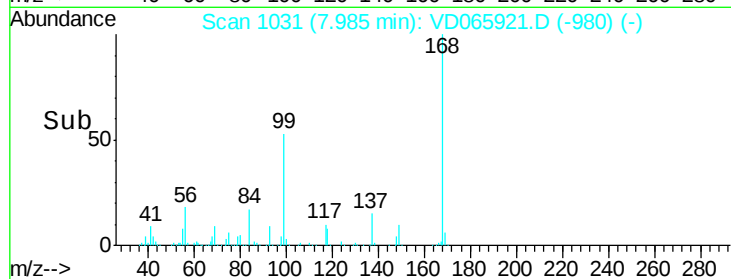
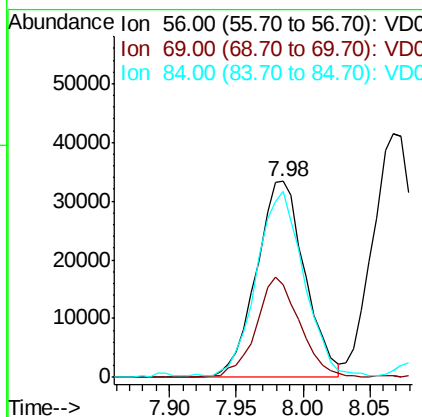
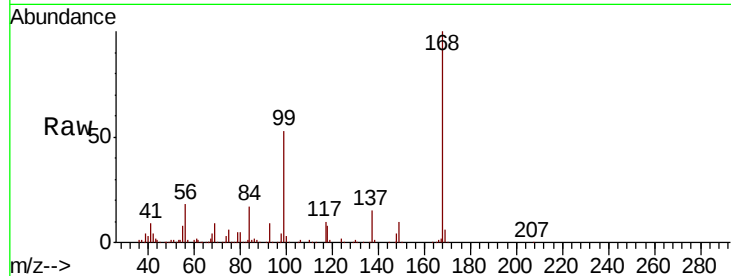




#31
Cyclohexane
Concen: 10.559 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

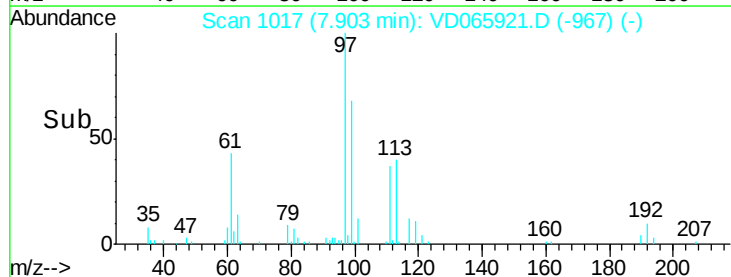
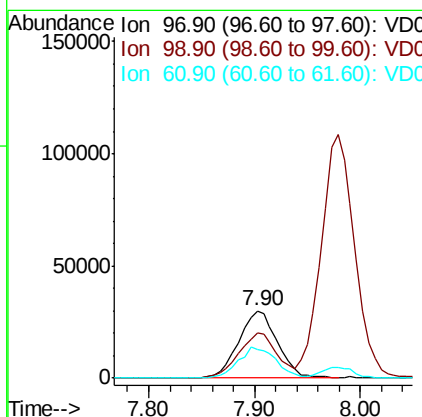
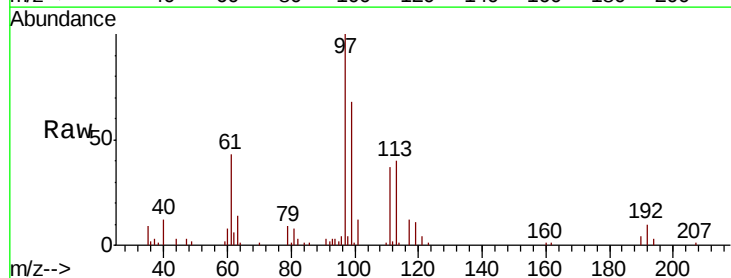
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

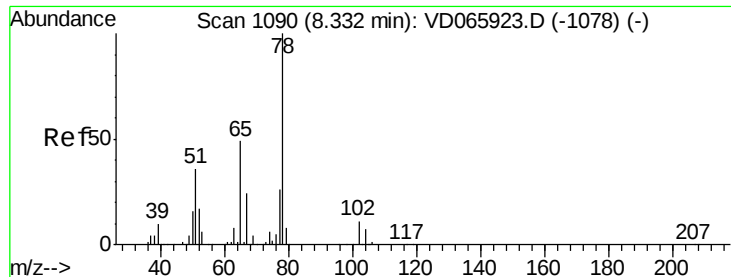
Tot Ion: 56 Resp: 83973
Ion Ratio Lower Upper
56 100
69 46.7 27.4 41.0#
84 94.3 68.6 102.8



#32
1,1,1-Trichloroethane
Concen: 10.193 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion: 97 Resp: 76226
Ion Ratio Lower Upper
97 100
99 66.6 51.6 77.4
61 45.0 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 10.209 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

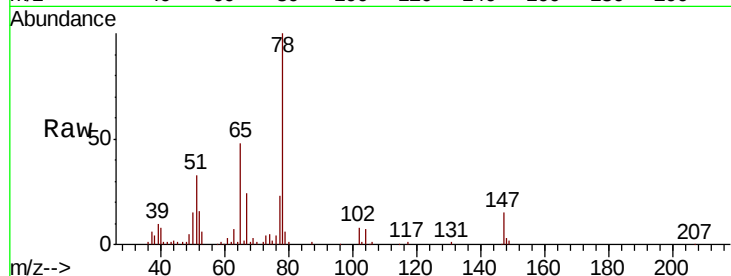
VSTDIC010

Tot Ion: 65 Resp: 39735

Ion Ratio Lower Upper

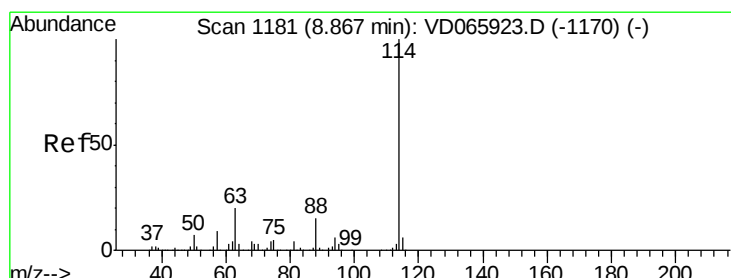
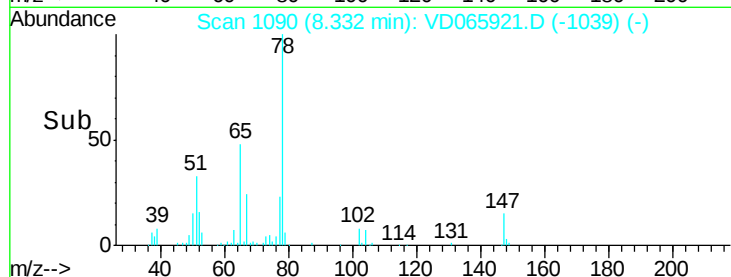
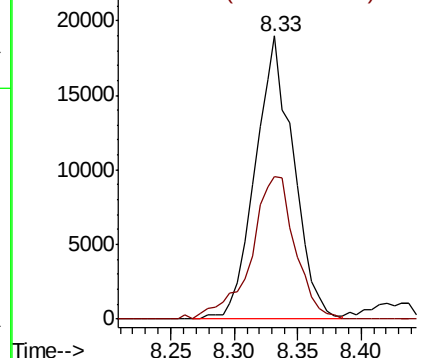
65 100

67 58.0 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

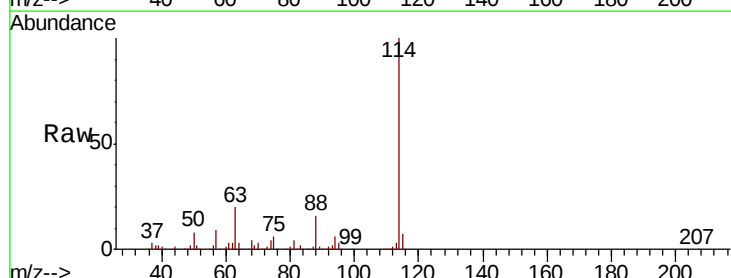
Tgt Ion: 114 Resp: 677049

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.2

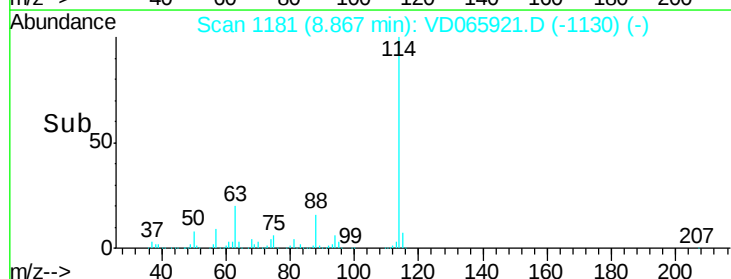
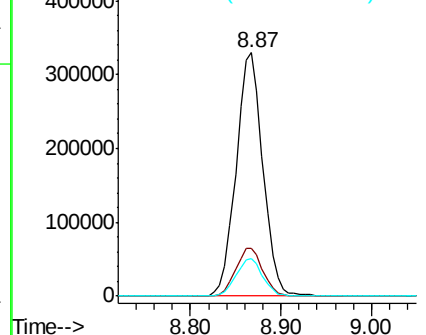
88 15.5 0.0 30.0

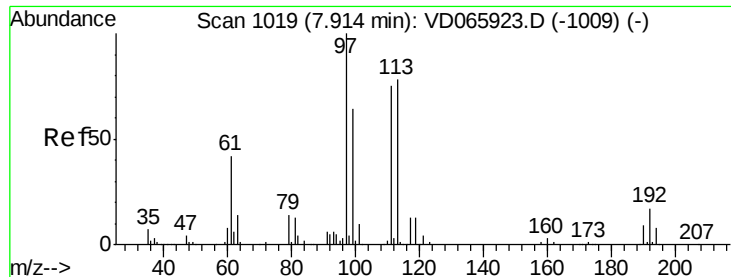


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

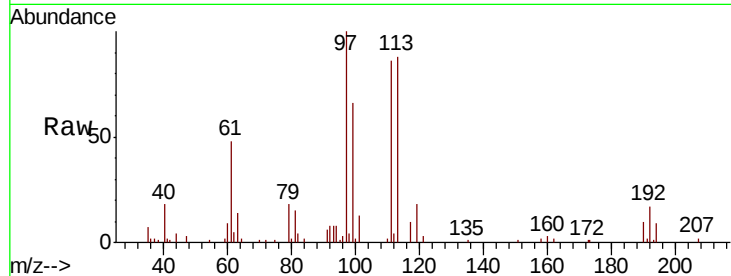




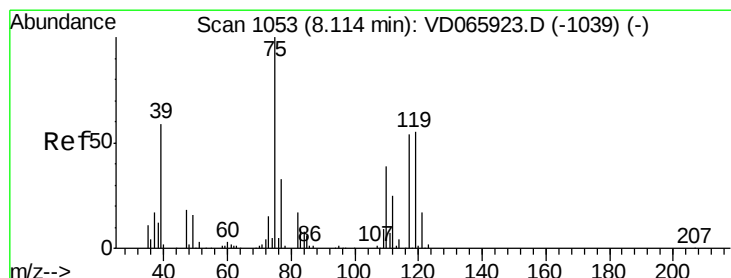
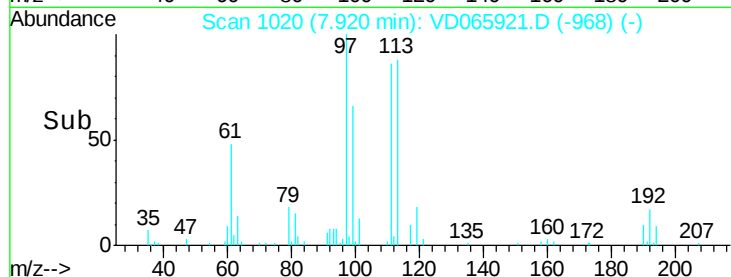
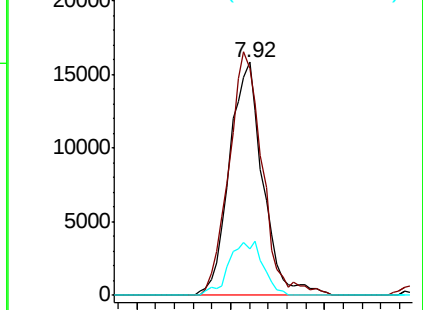
#35
Dibromofluoromethane
Concen: 9.358 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:113 Resp: 39083
Ion Ratio Lower Upper
113 100
111 104.3 80.9 121.3
192 23.5 17.1 25.7

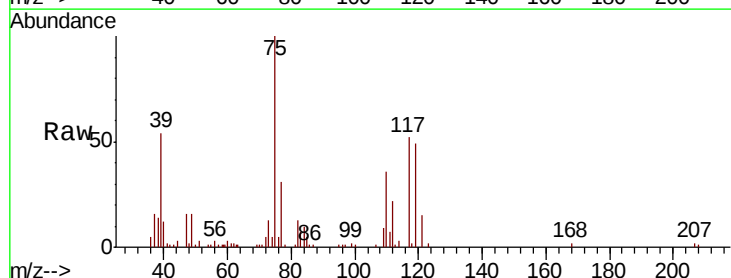


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

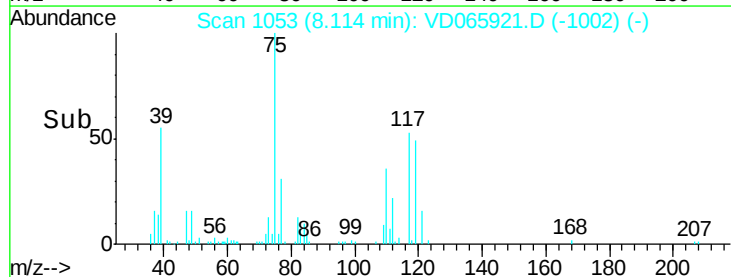
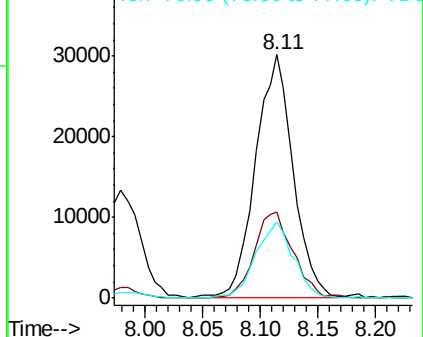


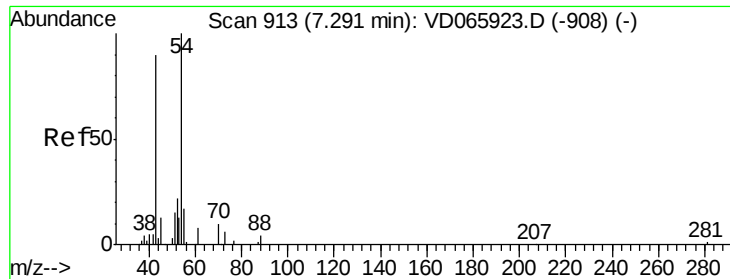
#36
1,1-Dichloropropene
Concen: 10.218 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion: 75 Resp: 68324
Ion Ratio Lower Upper
75 100
110 36.7 18.5 55.5
77 31.4 25.6 38.4



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

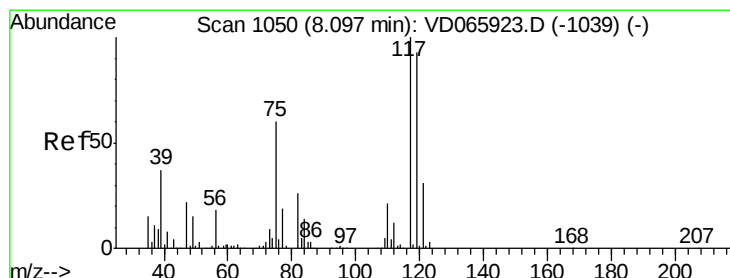
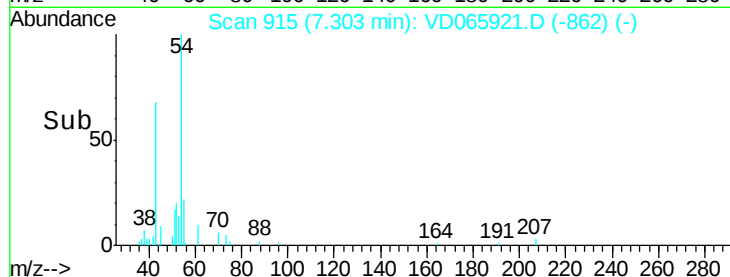
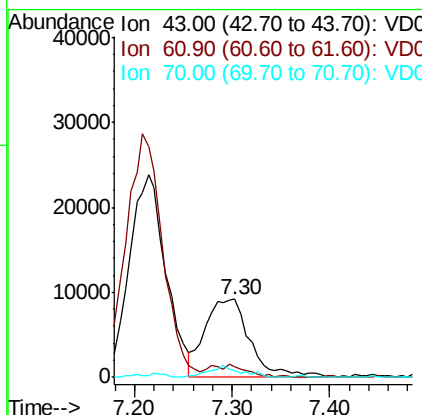
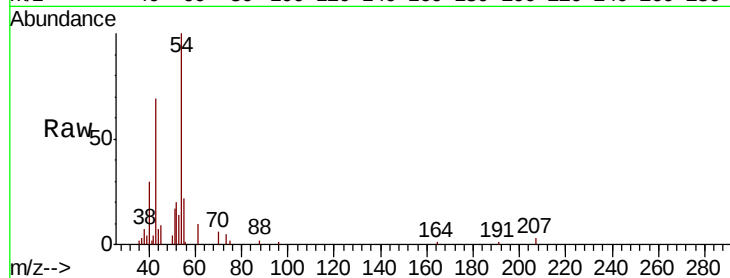




#37
Ethyl Acetate
Concen: 10.540 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

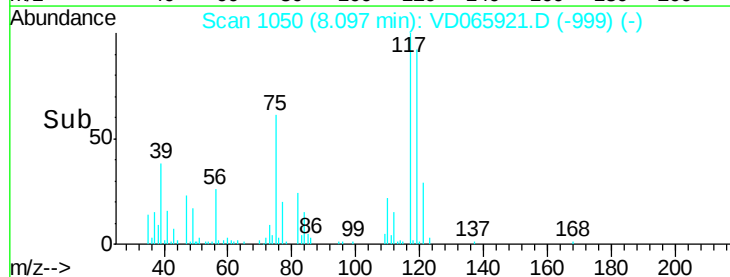
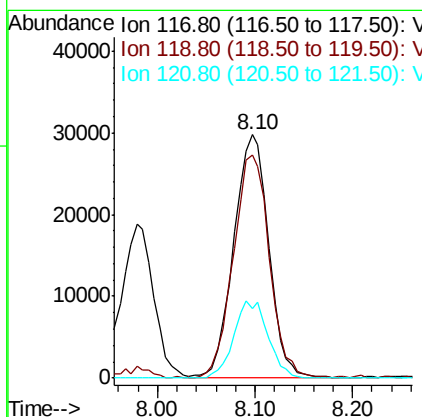
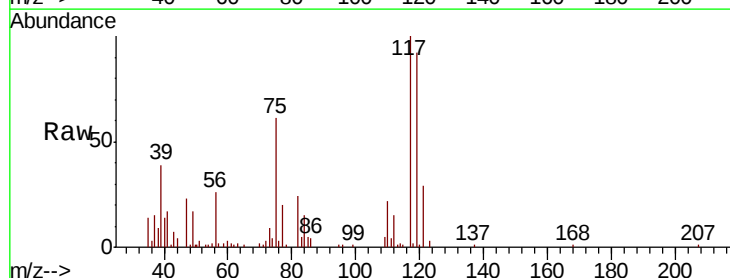
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

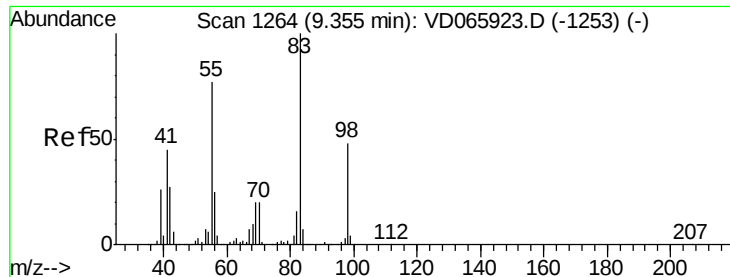
Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.4	14.0#
70	10.9	8.3	12.5



#38
Carbon Tetrachloride
Concen: 10.366 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.7	74.7	112.1
121	28.8	24.9	37.3

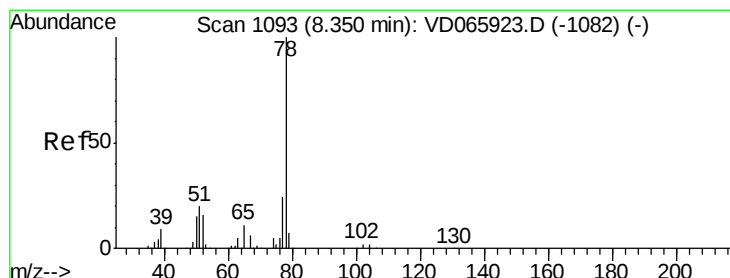
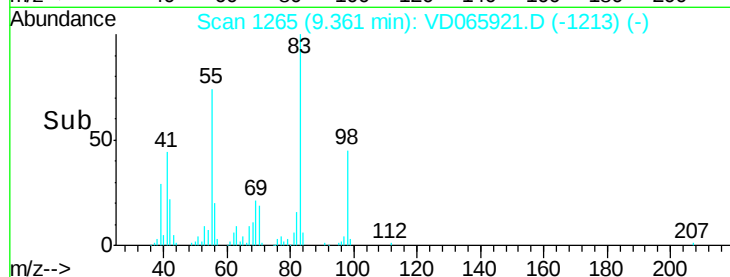
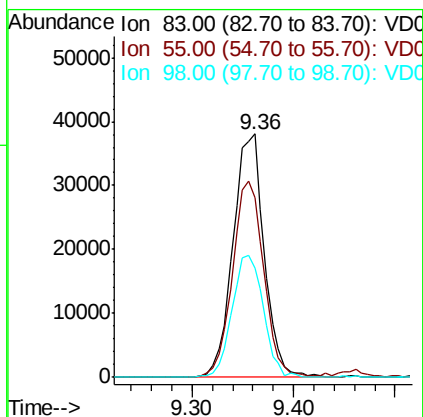
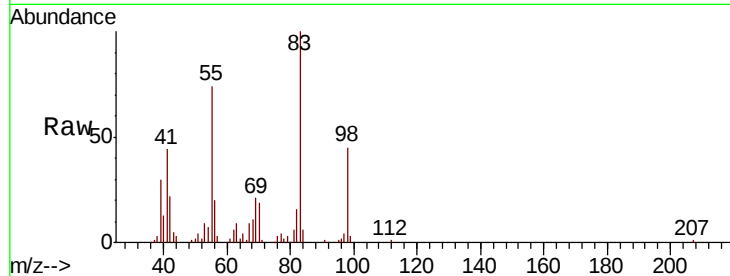




#39
Methvlcvclohexane
Concen: 9.890 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

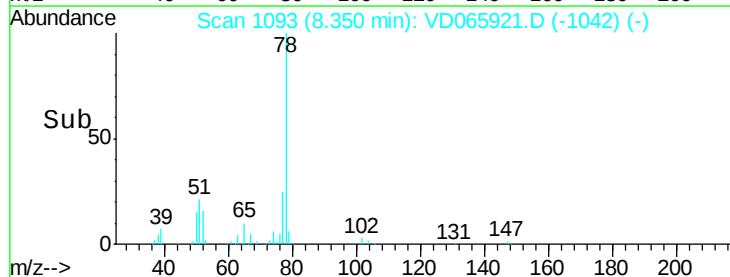
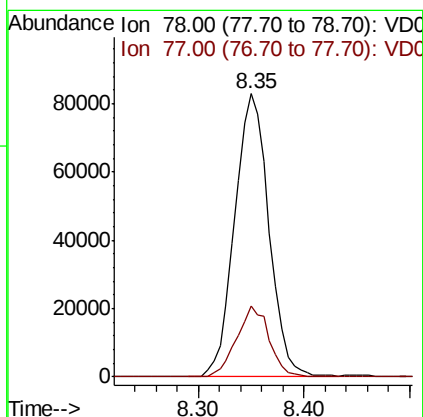
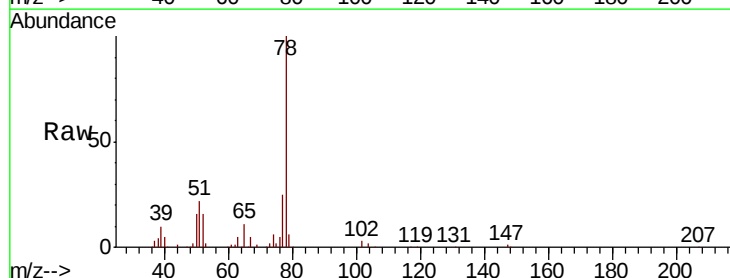
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

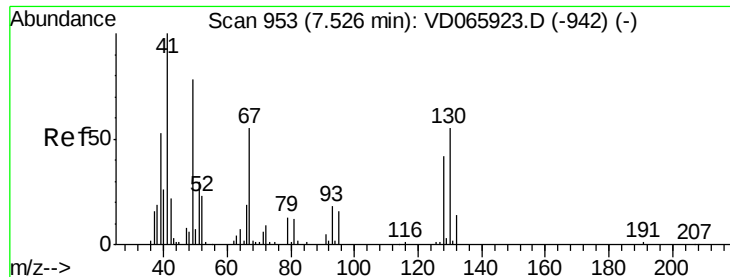
Tot Ion: 83 Resp: 81193
Ion Ratio Lower Upper
83 100
55 74.0 61.7 92.5
98 45.0 38.6 58.0



#40
Benzene
Concen: 10.082 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion: 78 Resp: 186244
Ion Ratio Lower Upper
78 100
77 25.1 19.4 29.0

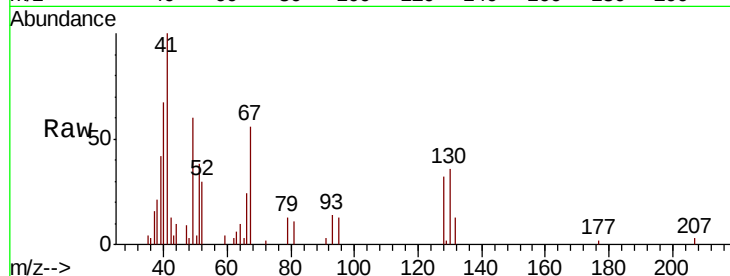




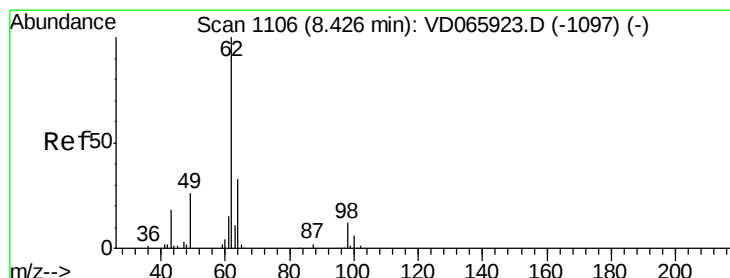
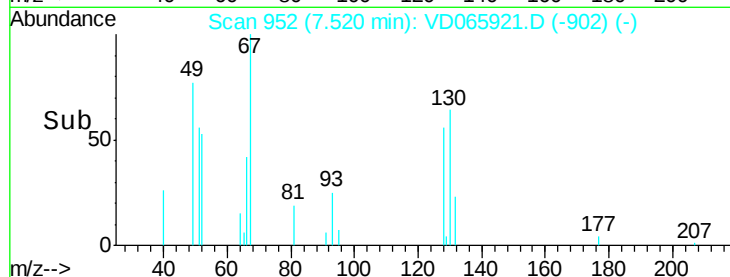
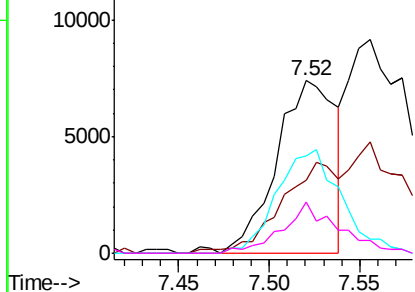
#41
Methacrylonitrile
Concen: 10.194 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:	41	Resp:	16976
Ion	Ratio	Lower	Upper
41	100		
39	49.7	42.4	63.6
67	65.1	53.6	80.4
52	27.8	22.2	33.2

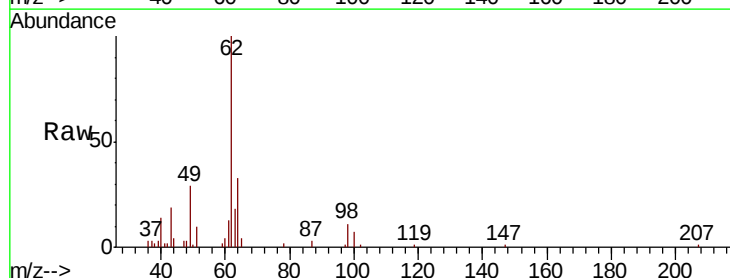


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

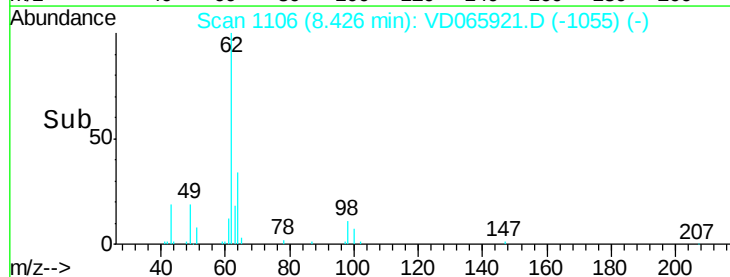
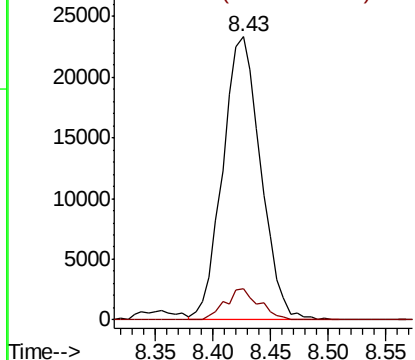


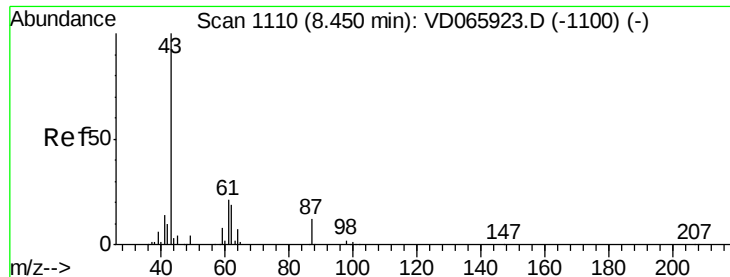
#42
1,2-Dichloroethane
Concen: 10.183 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion:	62	Resp:	53292
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 9.936 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

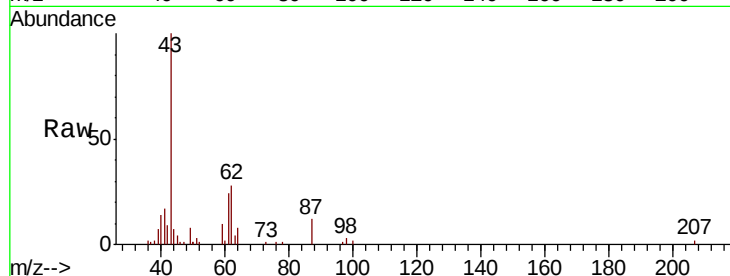
Tot Ion: 43 Resp: 51816

Ion Ratio Lower Upper

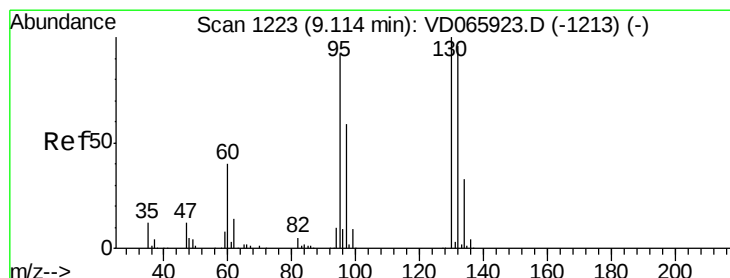
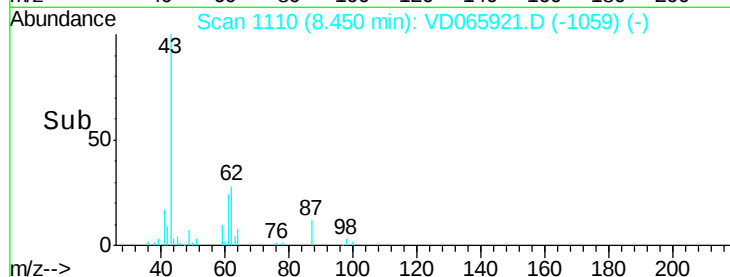
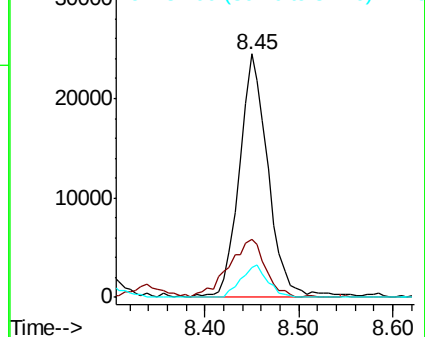
43 100

61 30.5 23.2 34.8

87 12.3 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 10.475 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065921.D

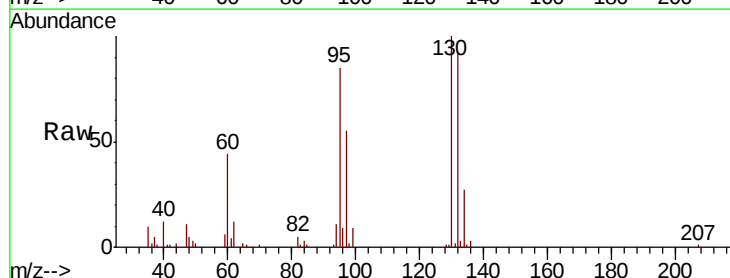
Acq: 07 Jul 2020 14:07

Tgt Ion: 130 Resp: 56856

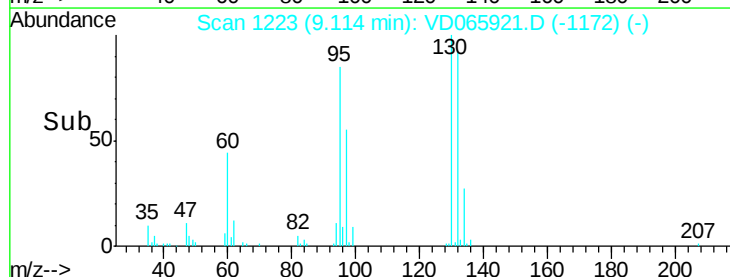
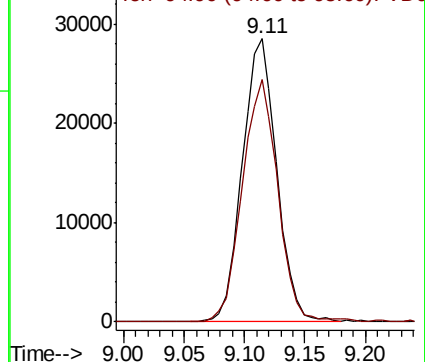
Ion Ratio Lower Upper

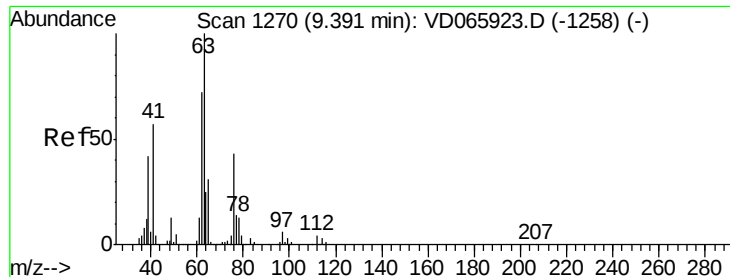
130 100

95 85.5 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 10.123 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

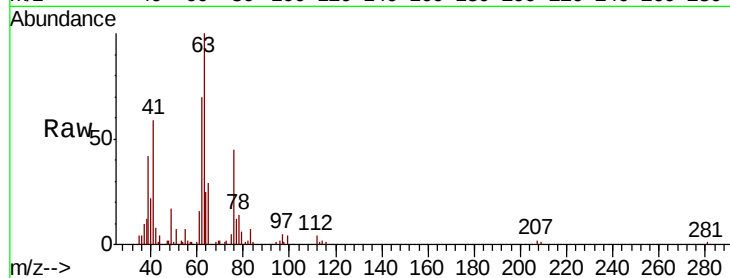
VSTDIC010

Tot Ion: 63 Resp: 46412

Ion Ratio Lower Upper

63 100

65 29.0 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

25000

20000

15000

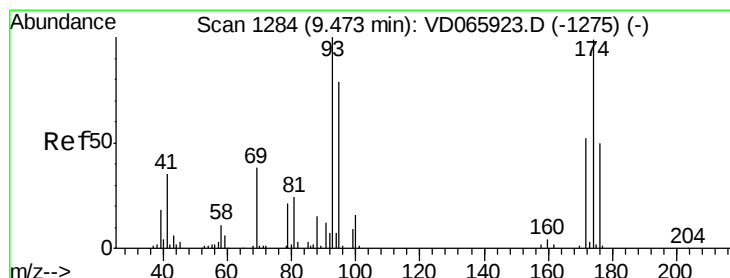
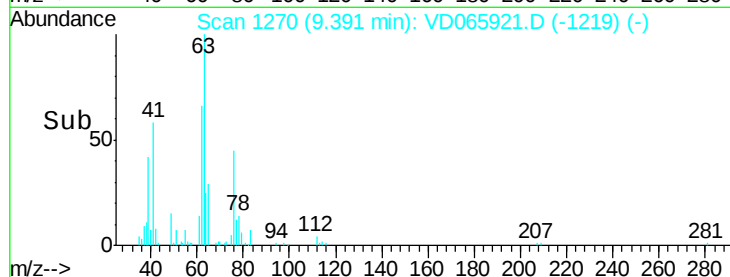
10000

5000

0

Time-->

9.30 9.40 9.50



#46

Dibromomethane

Concen: 9.939 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

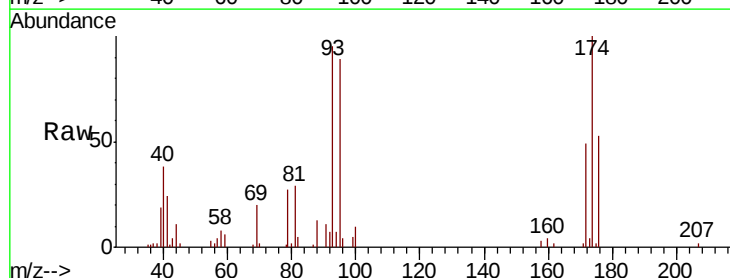
Tgt Ion: 93 Resp: 23726

Ion Ratio Lower Upper

93 100

95 87.4 68.2 102.2

174 106.8 88.0 132.0



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

15000

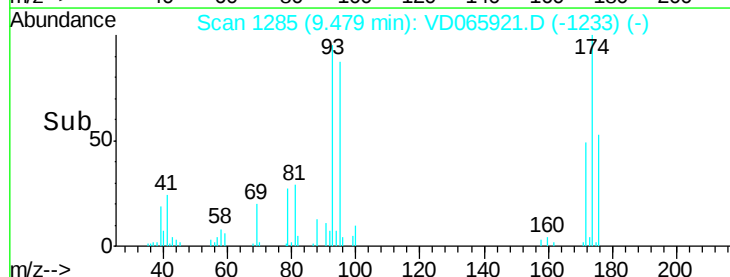
10000

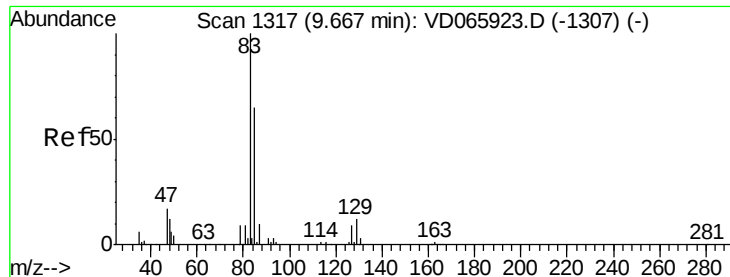
5000

0

Time-->

9.40 9.45 9.50 9.55





#47

Bromodichloromethane

Concen: 10.000 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

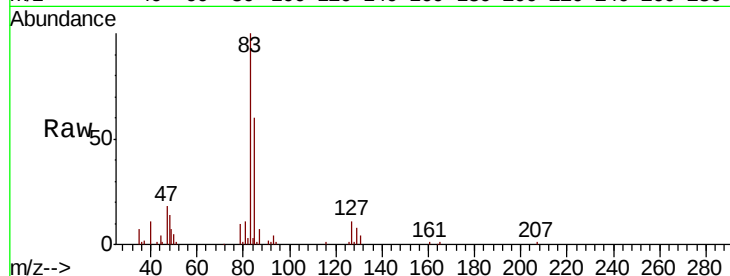
Tot Ion: 83 Resp: 64032

Ion Ratio Lower Upper

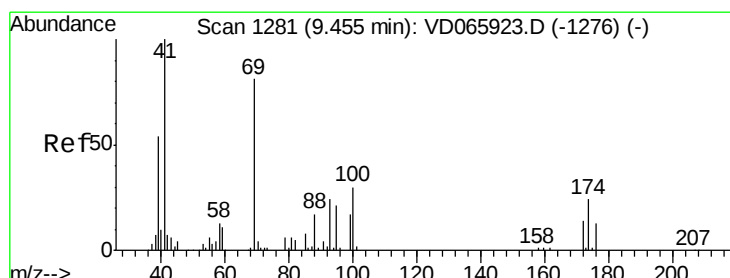
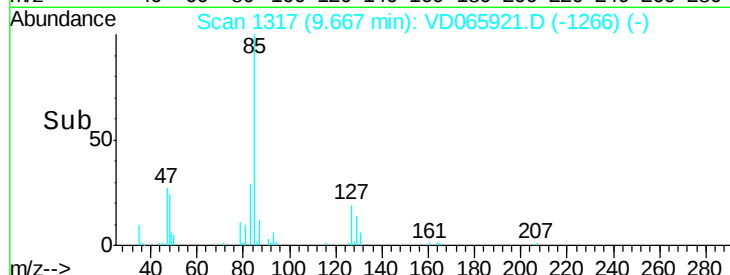
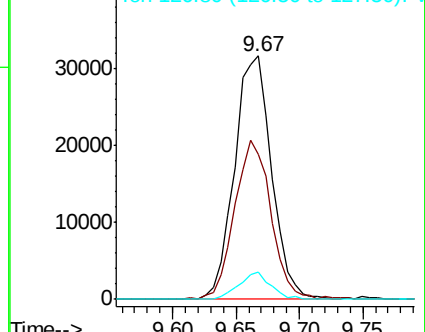
83 100

85 59.0 51.6 77.4

127 11.2 7.2 10.8#



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



#48

Methyl methacrylate

Concen: 9.917 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

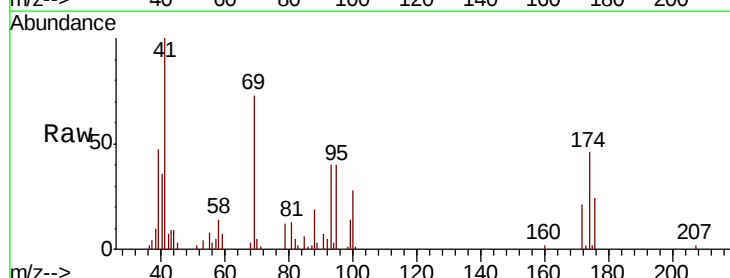
Tgt Ion: 41 Resp: 26035

Ion Ratio Lower Upper

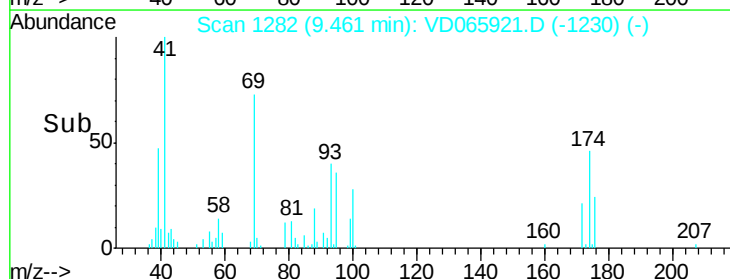
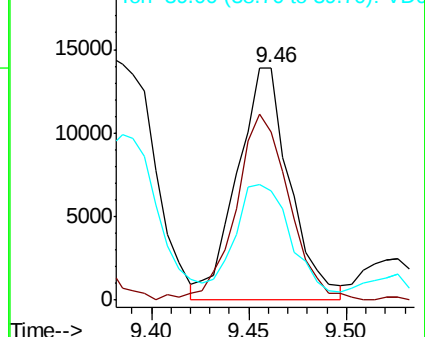
41 100

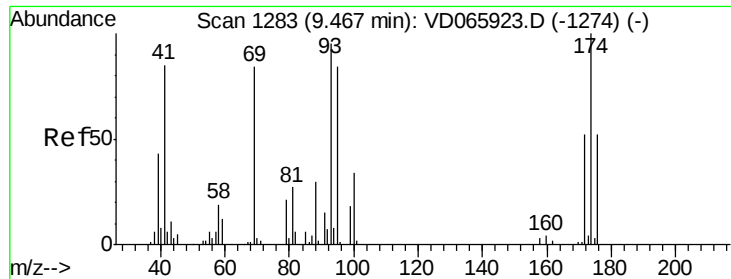
69 81.0 62.2 93.4

39 46.9 39.9 59.9



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





#49

1,4-Dioxane

Concen: 191.481 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

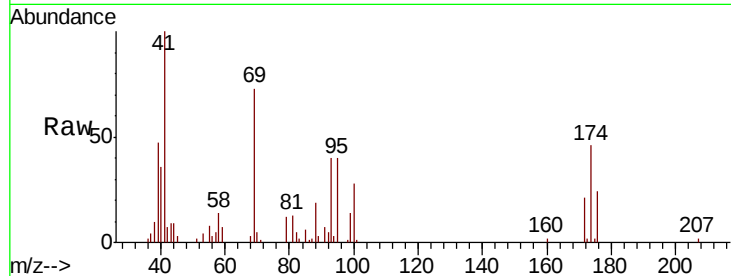
Tot Ion: 88 Resp: 5431

Ion Ratio Lower Upper

88 100

43 40.9 28.2 42.4

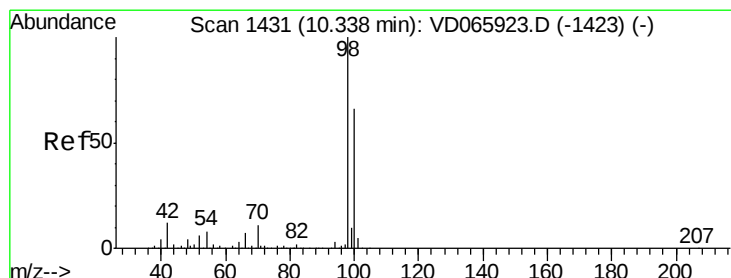
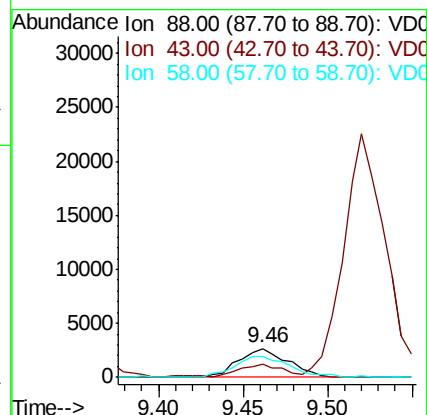
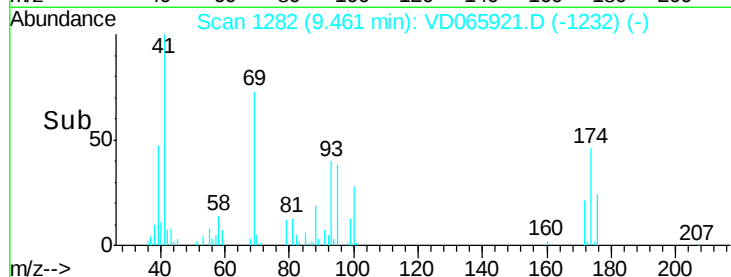
58 81.8 58.6 87.8



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: 9.894 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD065921.D

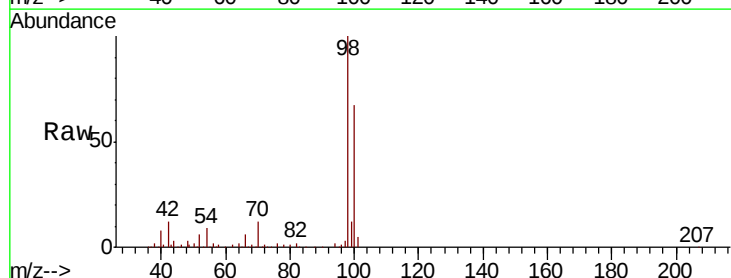
Acq: 07 Jul 2020 14:07

Tgt Ion: 98 Resp: 150776

Ion Ratio Lower Upper

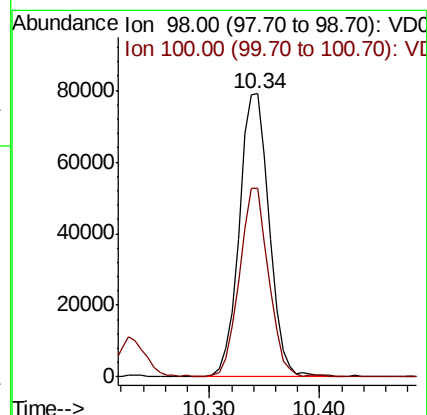
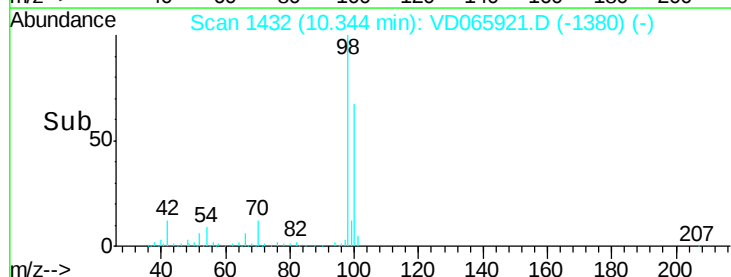
98 100

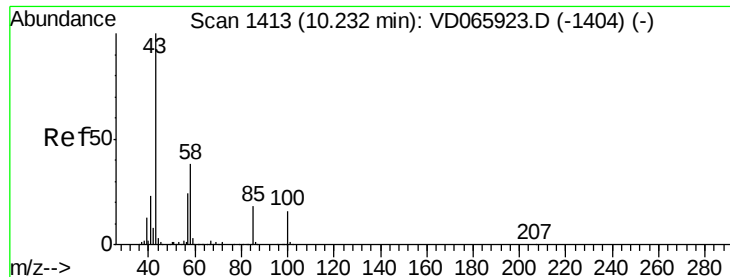
100 65.2 53.1 79.7



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: 50.055 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

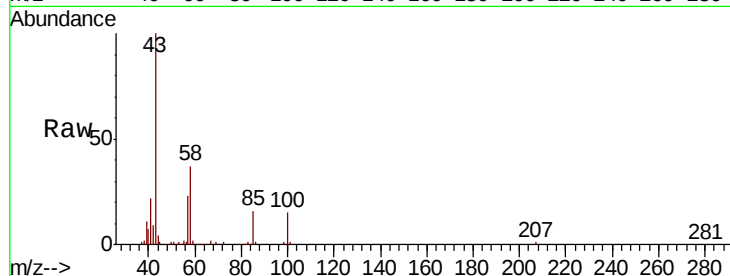
VSTDIC010

Tot Ion: 43 Resp: 131975

Ion Ratio Lower Upper

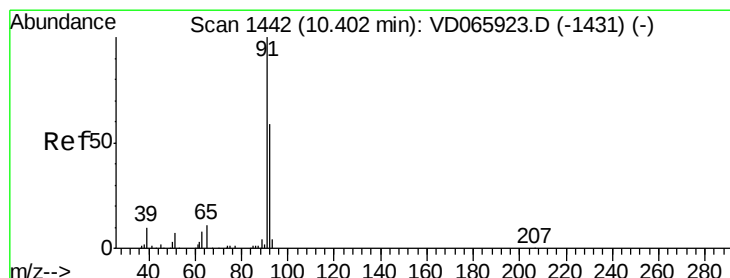
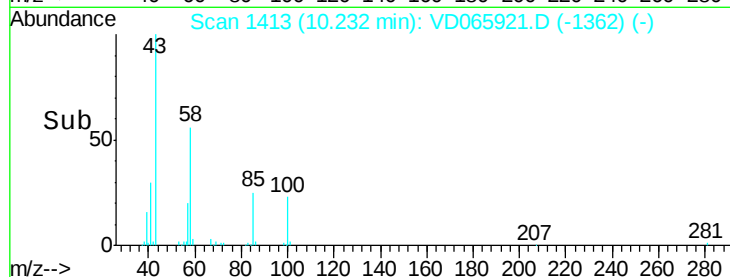
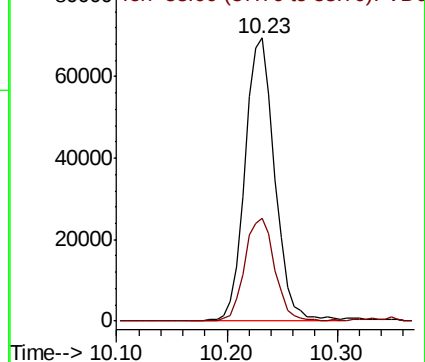
43 100

58 36.8 30.5 45.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 10.096 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD065921.D

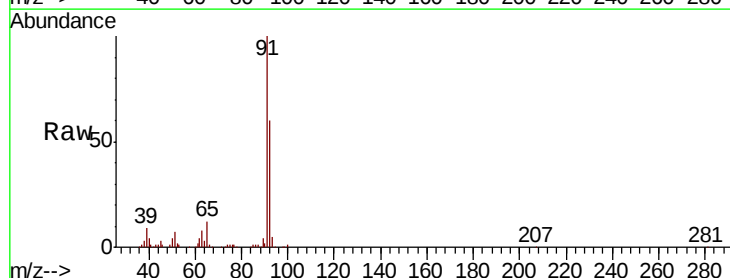
Acq: 07 Jul 2020 14:07

Tgt Ion: 92 Resp: 118654

Ion Ratio Lower Upper

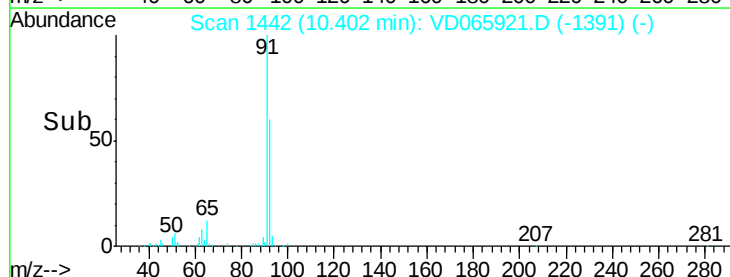
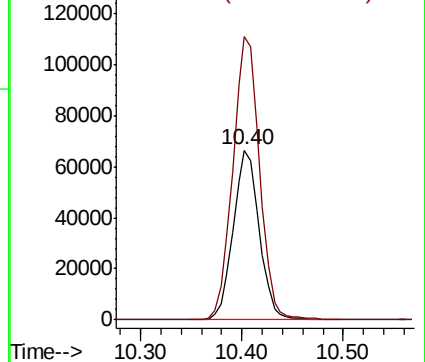
92 100

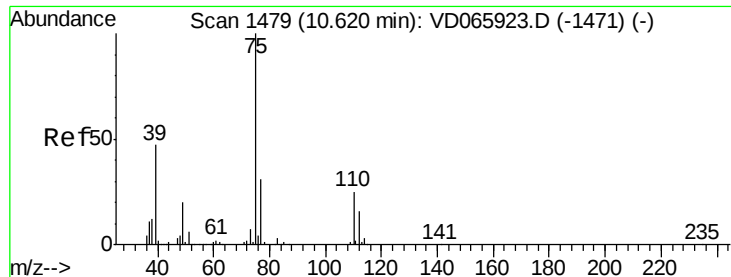
91 171.2 136.0 204.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 9.539 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

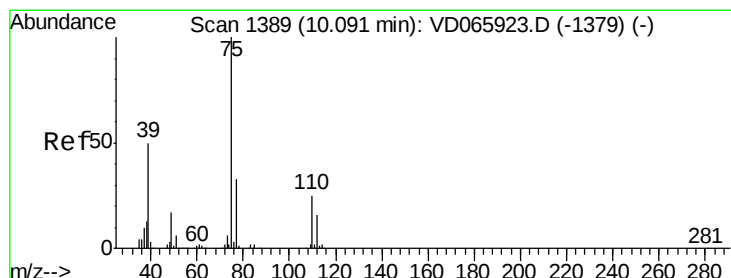
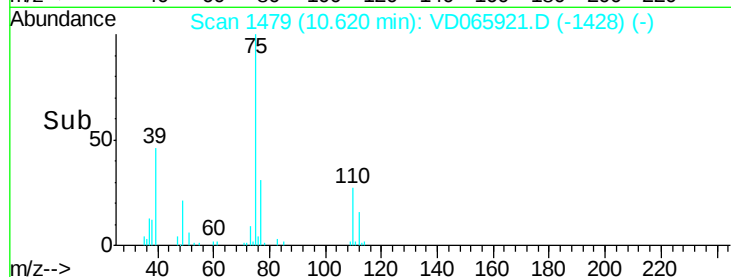
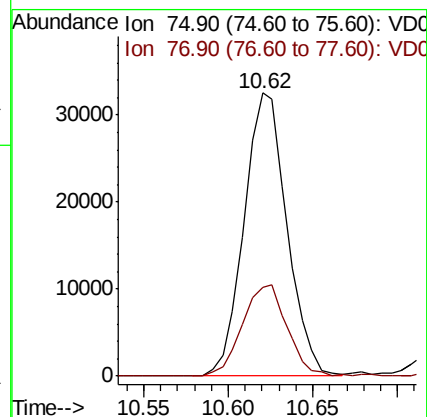
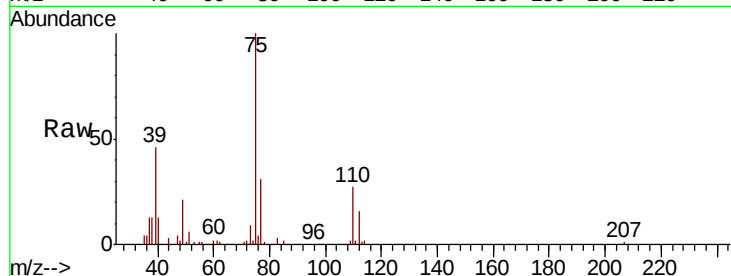
VSTDIC010

Tot Ion: 75 Resp: 57431

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 9.651 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

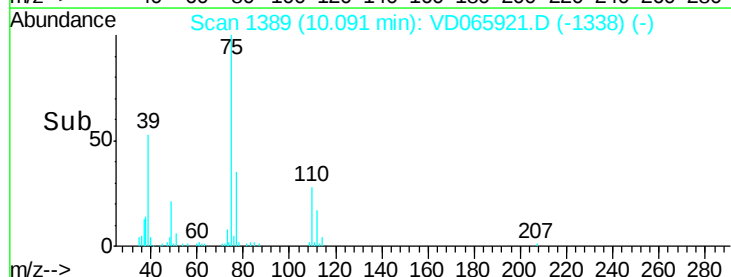
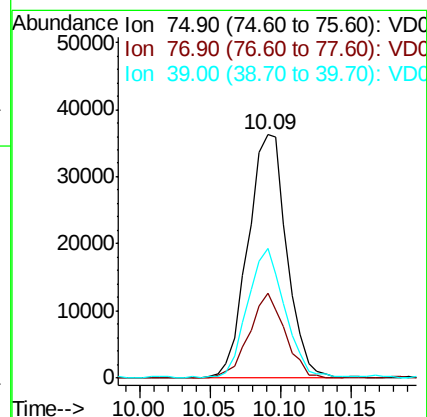
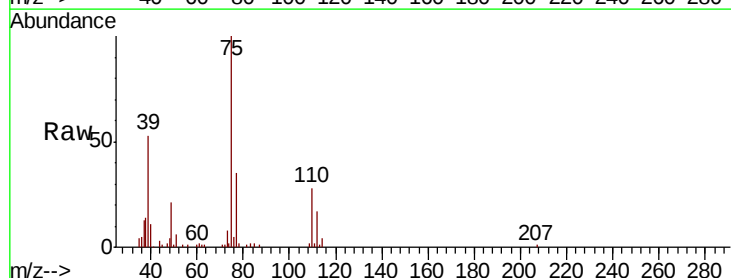
Tgt Ion: 75 Resp: 70212

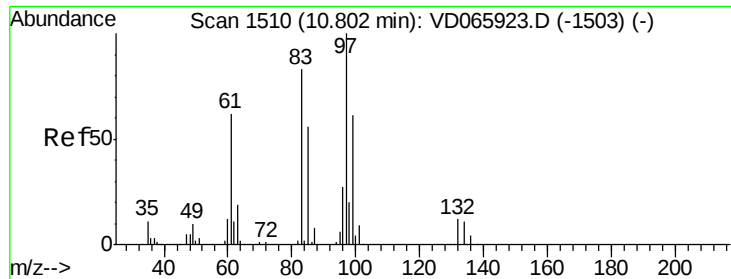
Ion Ratio Lower Upper

75 100

77 34.8 26.6 39.8

39 52.4 39.6 59.4





#55

1,1,2-Trichloroethane

Concen: 10.403 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 97 Resp: 34213

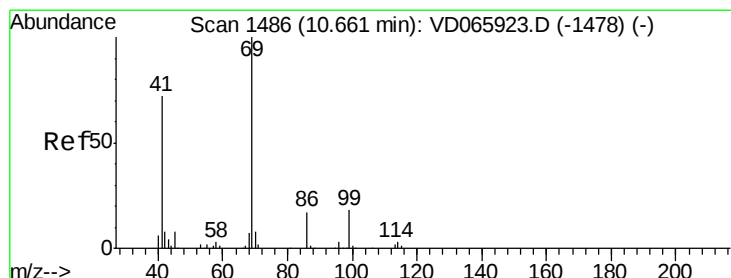
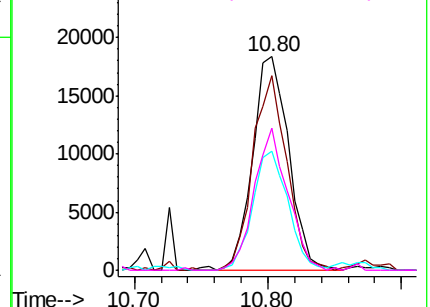
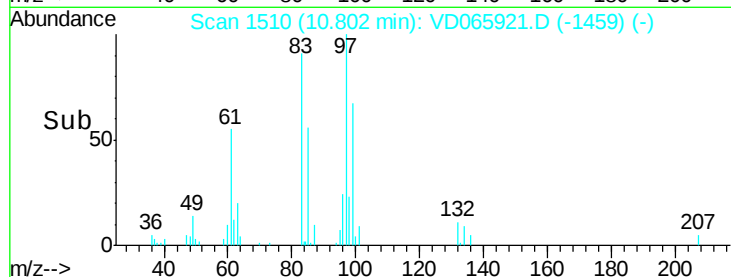
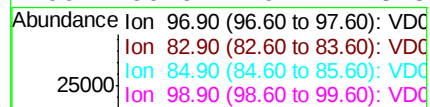
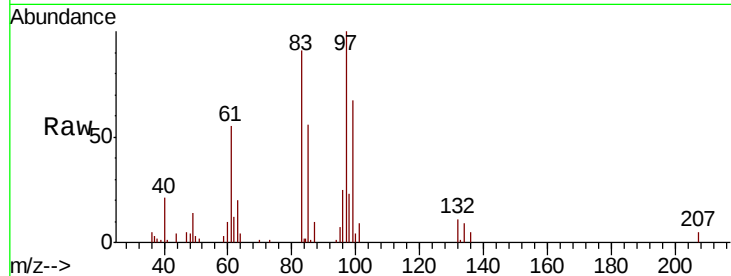
Ion	Ratio	Lower	Upper
97	100		
83	89.5	66.9	100.3
85	56.0	44.5	66.7
99	66.6	49.2	73.8

97 100

83 89.5 66.9 100.3

85 56.0 44.5 66.7

99 66.6 49.2 73.8



#56

Ethyl methacrylate

Concen: 9.352 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

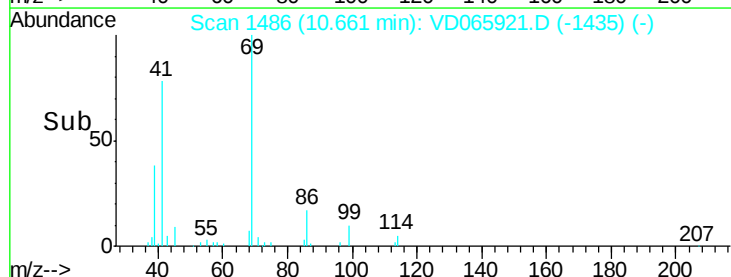
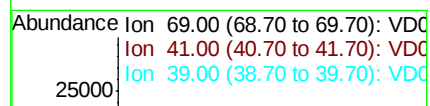
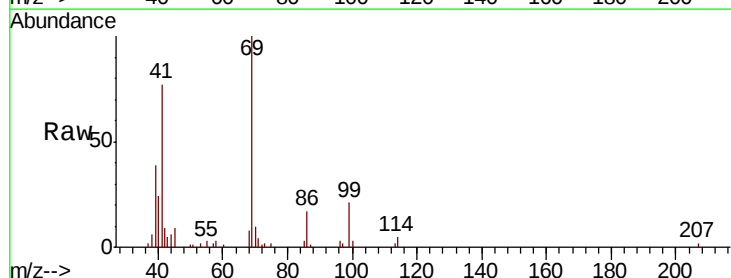
Tgt Ion: 69 Resp: 37566

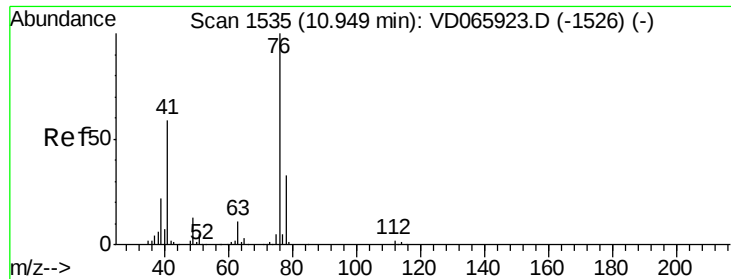
Ion	Ratio	Lower	Upper
69	100		
41	73.2	56.5	84.7
39	38.7	29.2	43.8

69 100

41 73.2 56.5 84.7

39 38.7 29.2 43.8

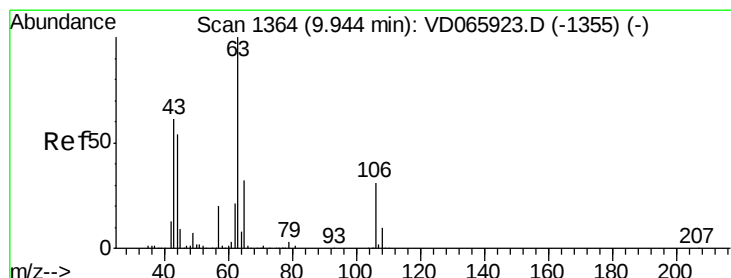
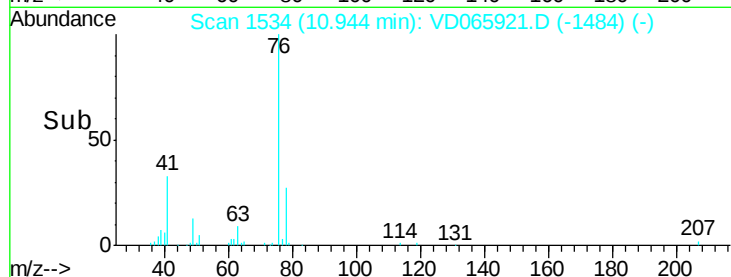
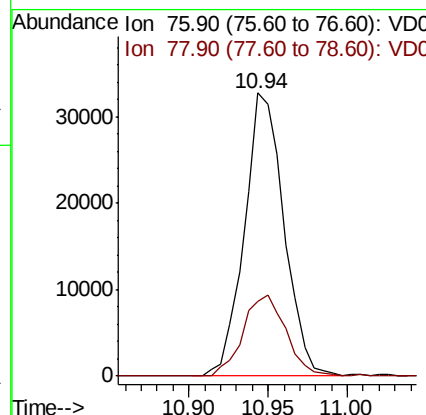
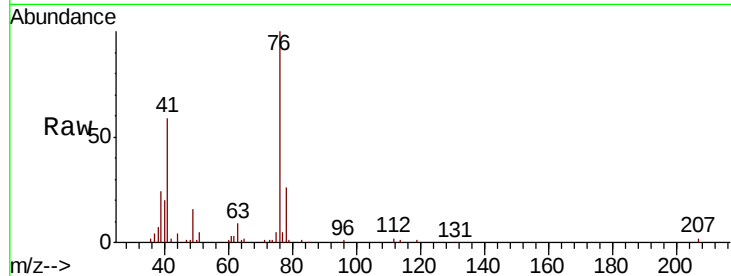




#57
 1,3-Dichloropropane
 Concen: 9.876 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

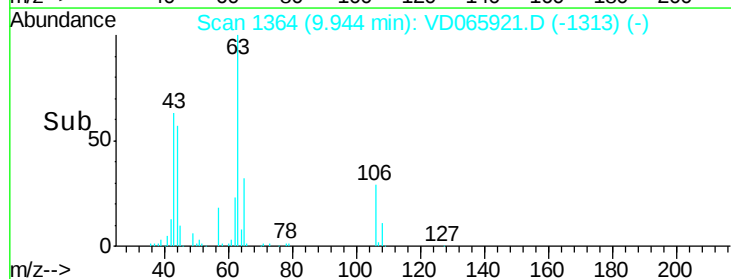
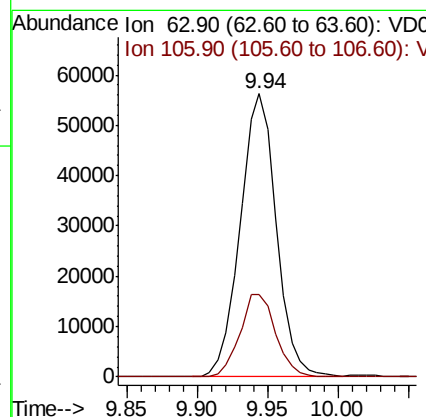
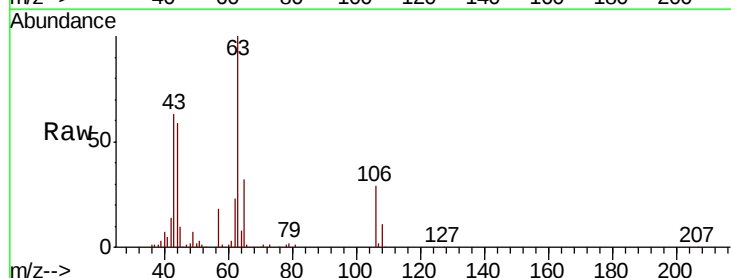
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

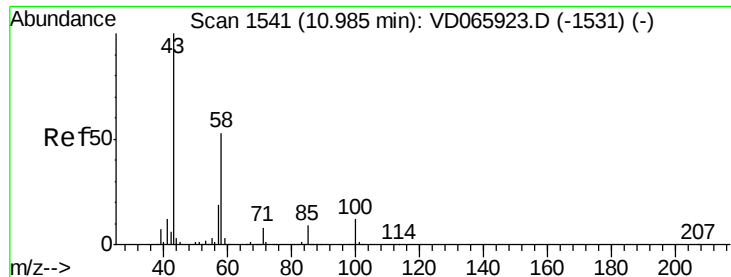
Tot Ion: 76 Resp: 56801
 Ion Ratio Lower Upper
 76 100
 78 31.1 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 51.623 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

Tgt Ion: 63 Resp: 100429
 Ion Ratio Lower Upper
 63 100
 106 29.0 23.8 35.6

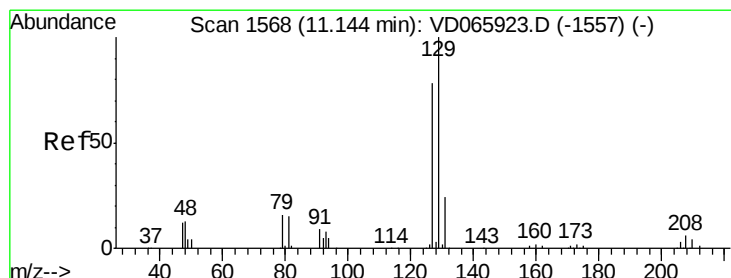
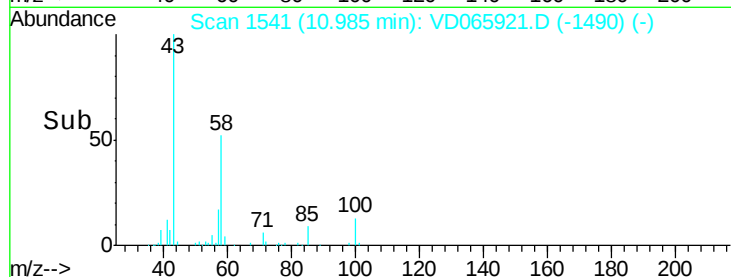
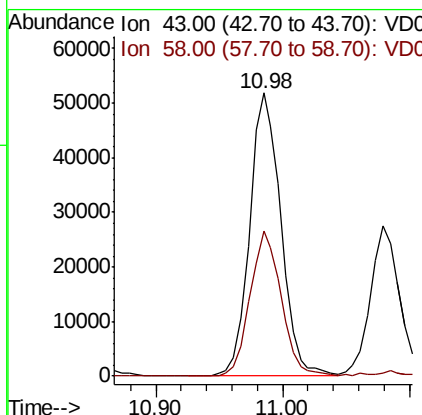
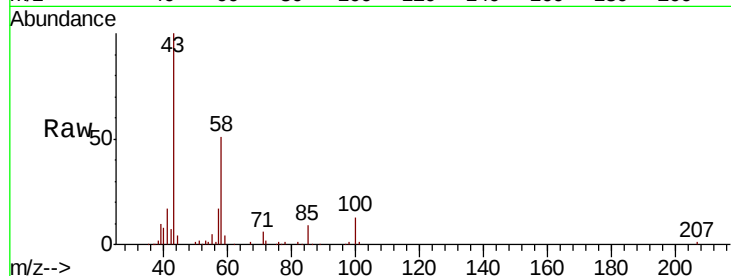




#59
2-Hexanone
Concen: 49.054 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

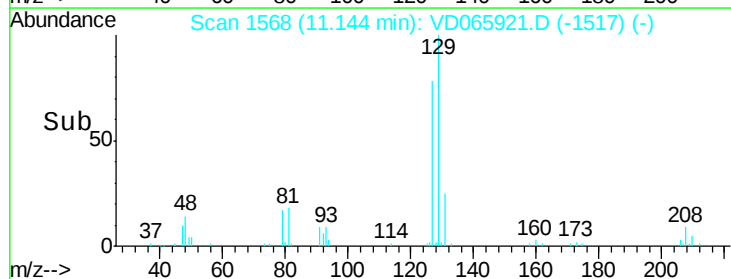
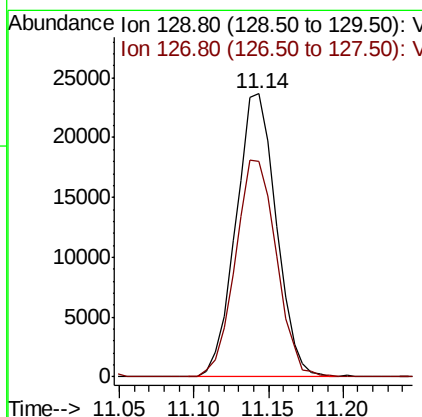
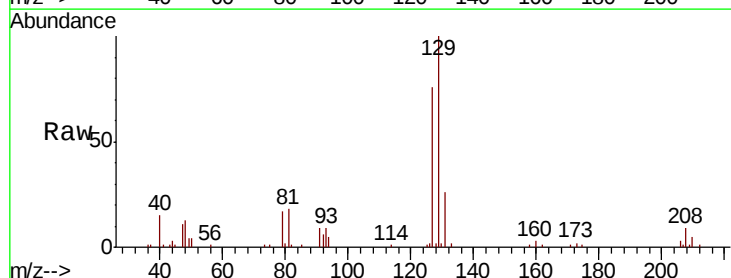
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

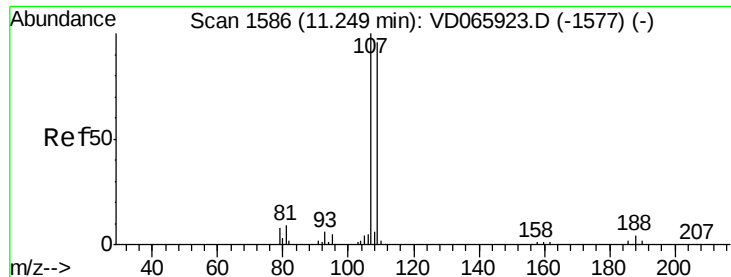
Tot Ion: 43 Resp: 88950
Ion Ratio Lower Upper
43 100
58 51.3 26.6 79.8



#60
Dibromochloromethane
Concen: 9.888 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion: 129 Resp: 44430
Ion Ratio Lower Upper
129 100
127 78.0 38.8 116.4

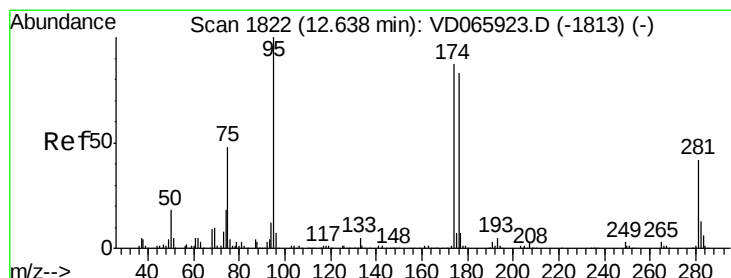
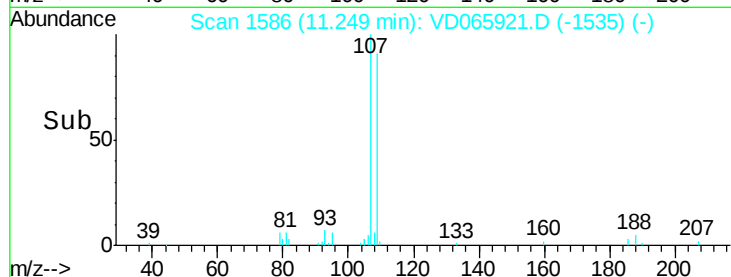
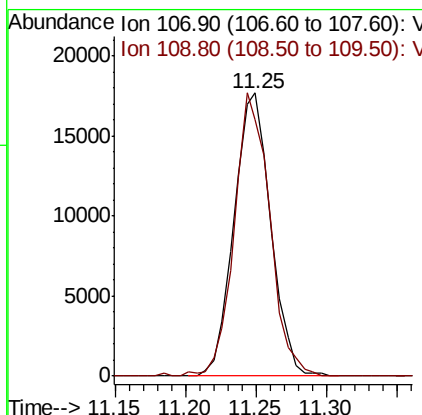
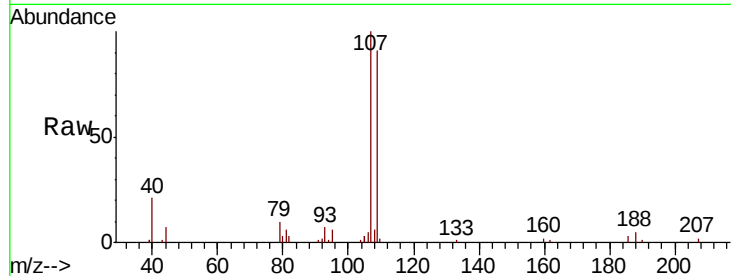




#61
 1,2-Dibromoethane
 Concen: 9.801 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

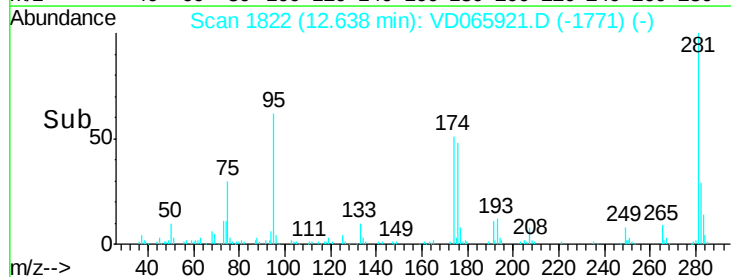
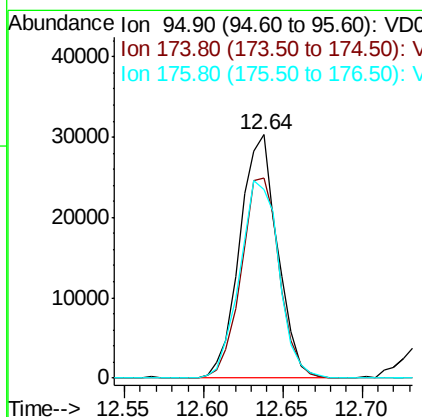
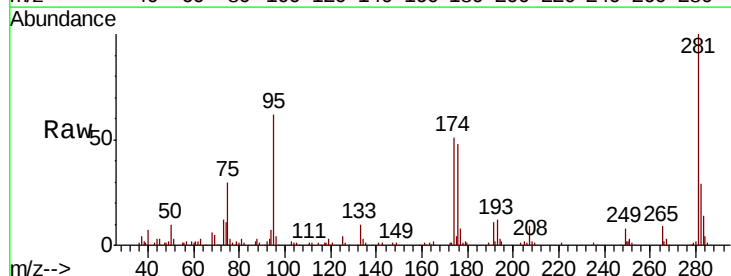
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

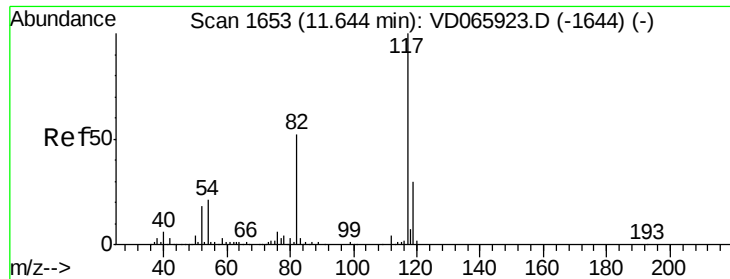
Tot Ion:107 Resp: 32139
 Ion Ratio Lower Upper
 107 100
 109 96.7 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 9.579 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

Tgt Ion: 95 Resp: 50131
 Ion Ratio Lower Upper
 95 100
 174 82.8 0.0 169.4
 176 84.1 0.0 164.0

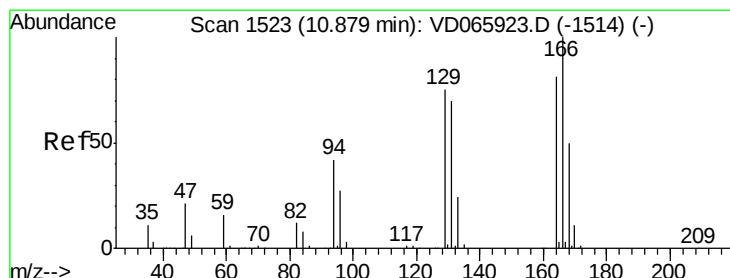
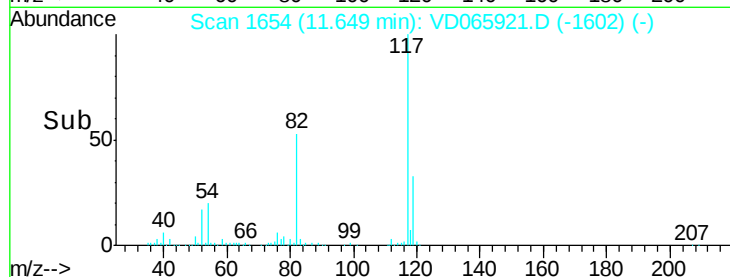
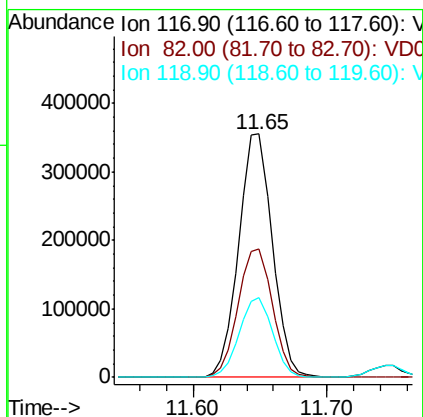
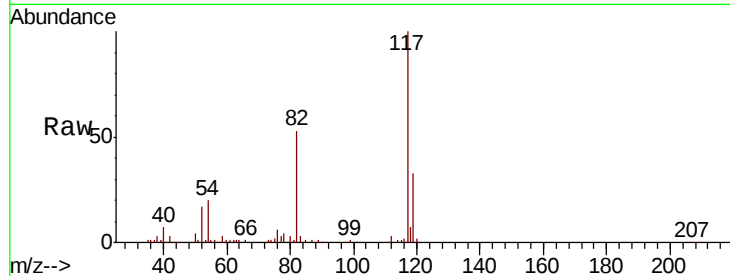




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

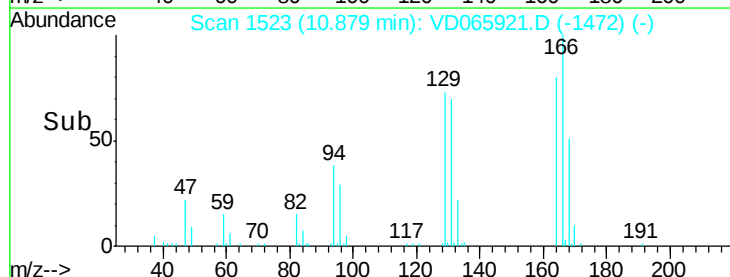
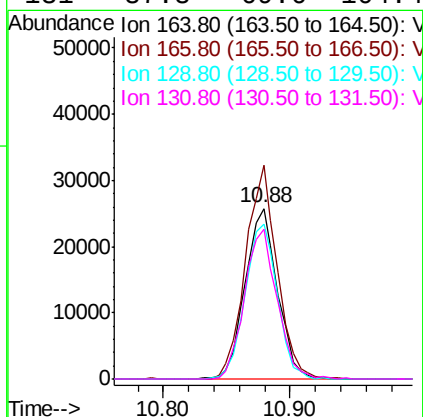
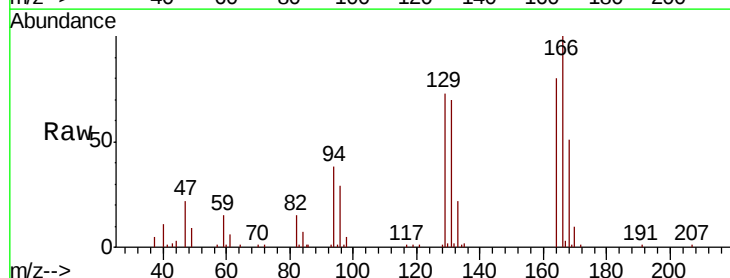
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

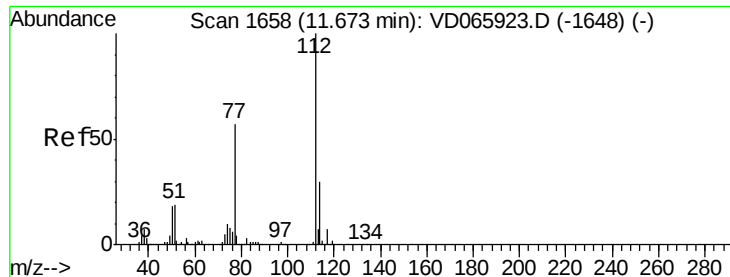
Tot Ion:117 Resp: 623621
Ion Ratio Lower Upper
117 100
82 52.9 41.8 62.8
119 33.0 24.3 36.5



#64
Tetrachloroethene
Concen: 10.038 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion:164 Resp: 45522
Ion Ratio Lower Upper
164 100
166 125.4 99.0 148.4
129 91.0 73.9 110.9
131 87.8 69.6 104.4





#65

Chlorobenzene

Concen: 10.001 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

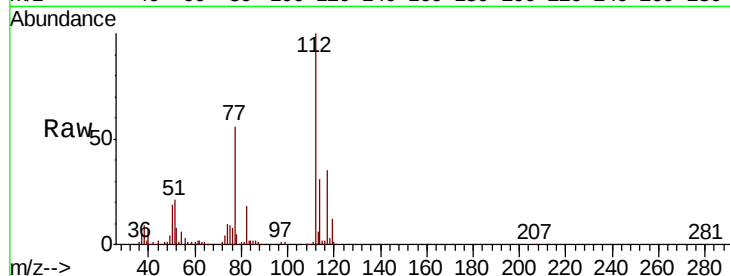
VSTDIC010

Tot Ion:112 Resp: 125690

Ion Ratio Lower Upper

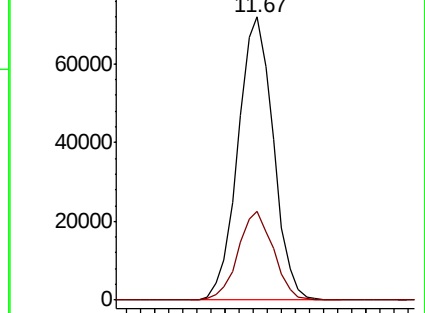
112 100

114 31.3 24.2 36.4

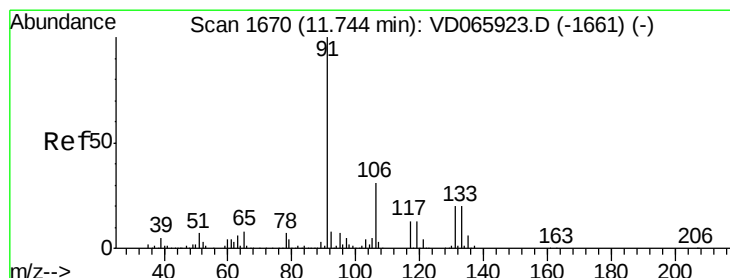
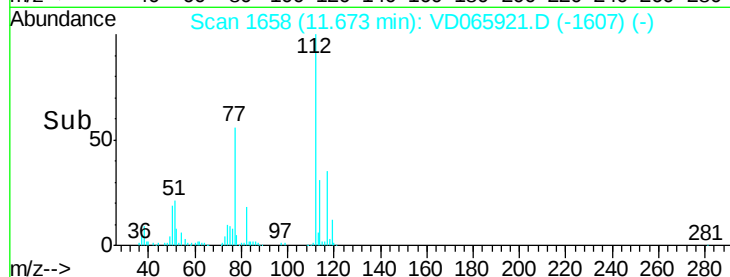


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 9.912 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

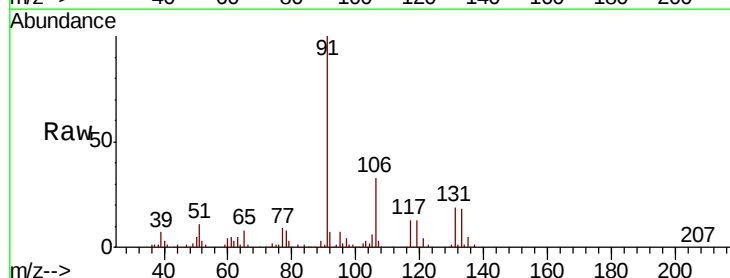
Tgt Ion:131 Resp: 46589

Ion Ratio Lower Upper

131 100

133 95.0 47.9 143.6

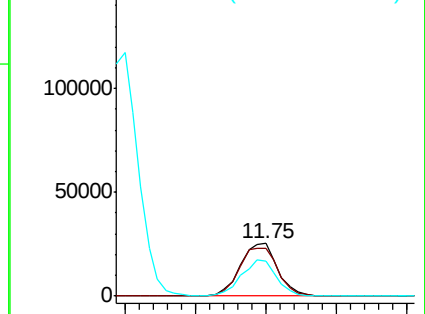
119 64.4 31.9 95.9



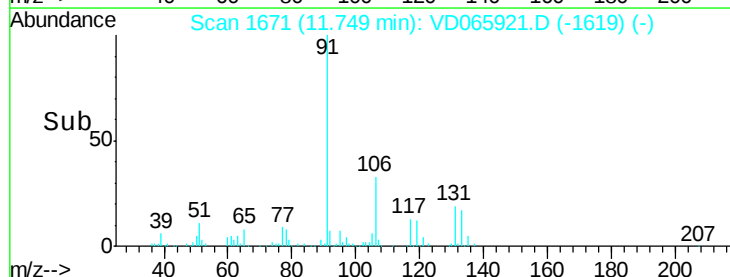
Abundance Ion 130.80 (130.50 to 131.50): V

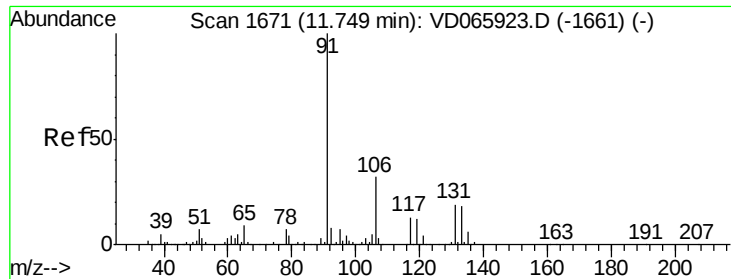
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->

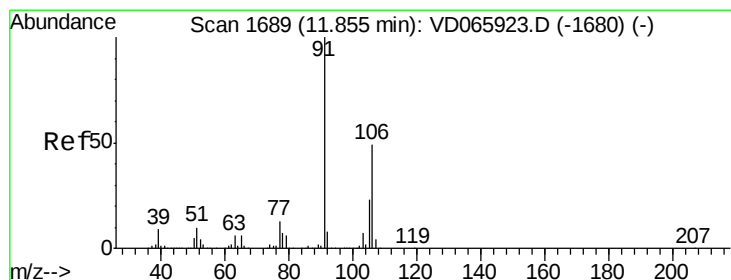
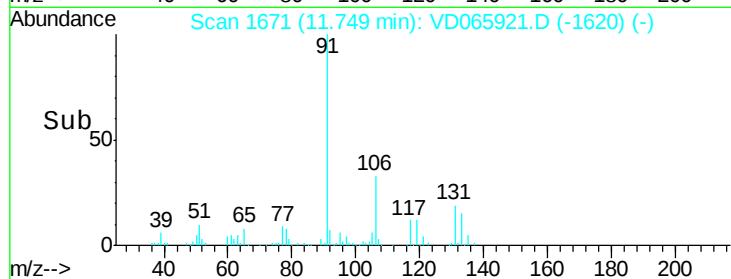
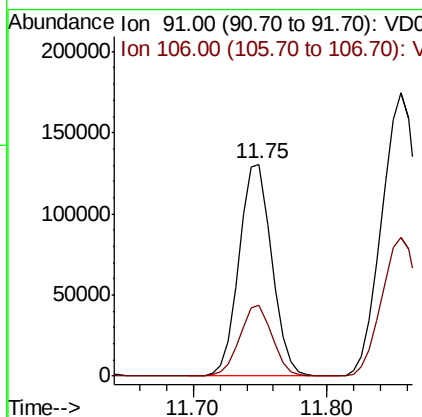
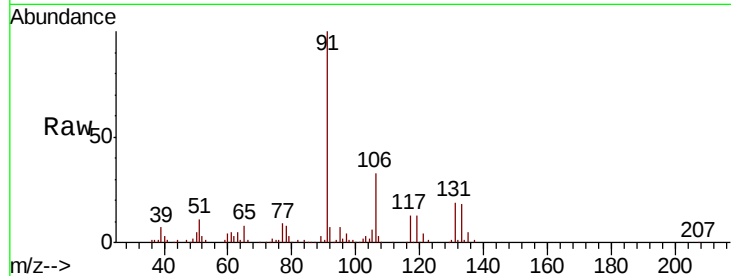




#67
Ethyl Benzene
Concen: 9.935 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

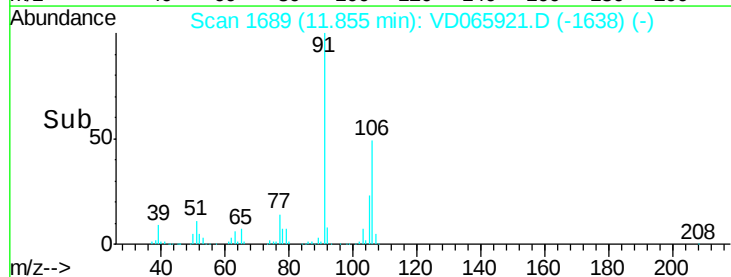
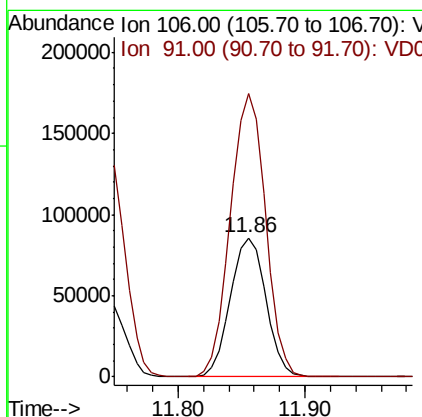
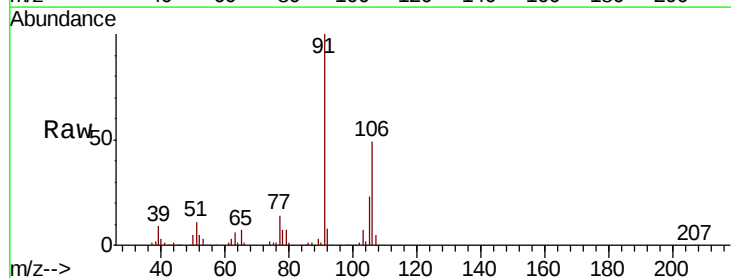
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

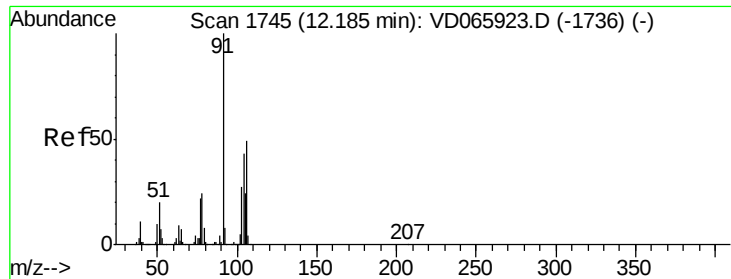
Tot Ion: 91 Resp: 221810
Ion Ratio Lower Upper
91 100
106 33.2 25.2 37.8



#68
m/p-Xylenes
Concen: 19.687 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion: 106 Resp: 166987
Ion Ratio Lower Upper
106 100
91 200.9 158.2 237.2

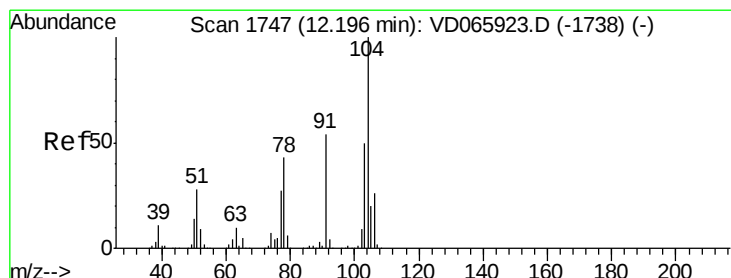
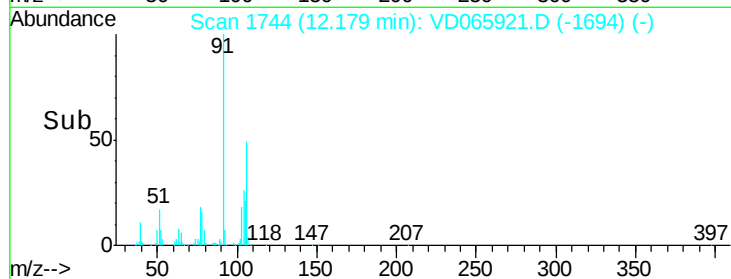
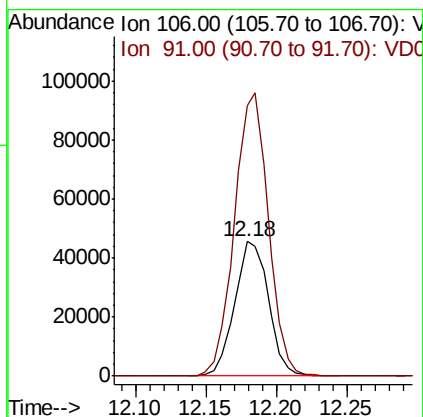
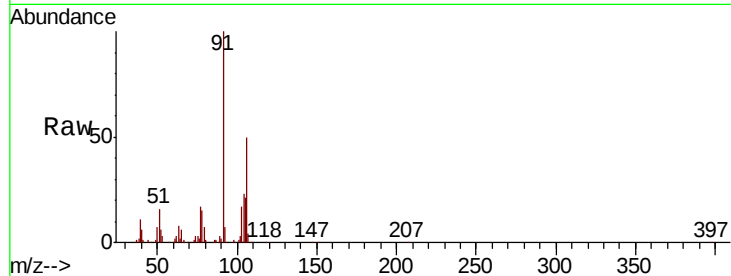




#69
o-Xylene
Concen: 9.889 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

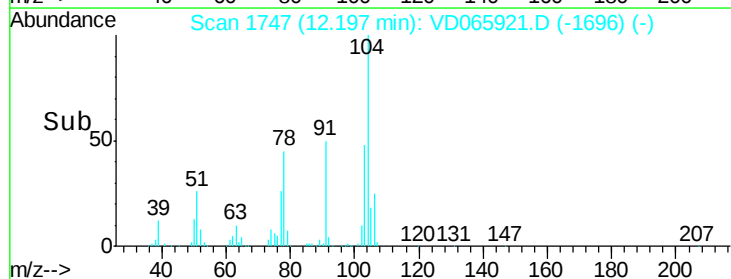
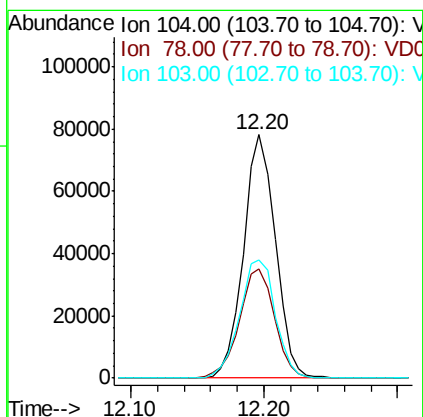
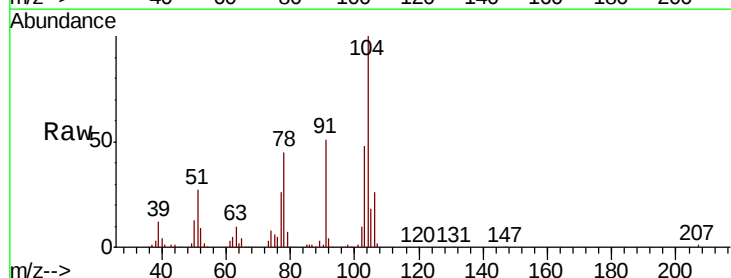
Instrument :
MSVOA_D
ClientSampleID :
VSTDIC010

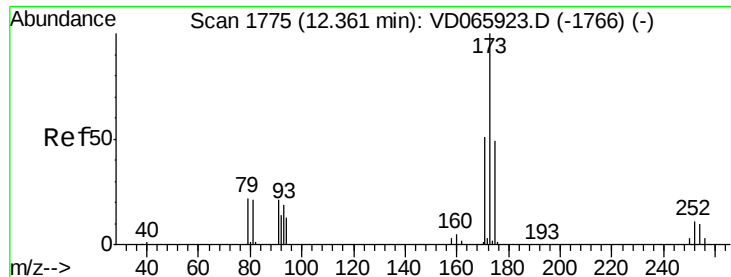
Tot Ion:106 Resp: 76414
Ion Ratio Lower Upper
106 100
91 210.4 104.1 312.2



#70
Styrene
Concen: 9.660 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion:104 Resp: 128850
Ion Ratio Lower Upper
104 100
78 49.6 38.8 58.2
103 54.6 43.6 65.4

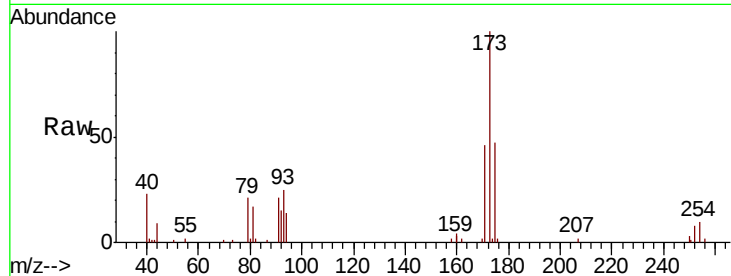




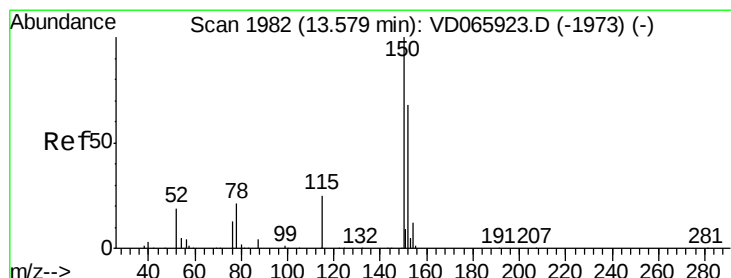
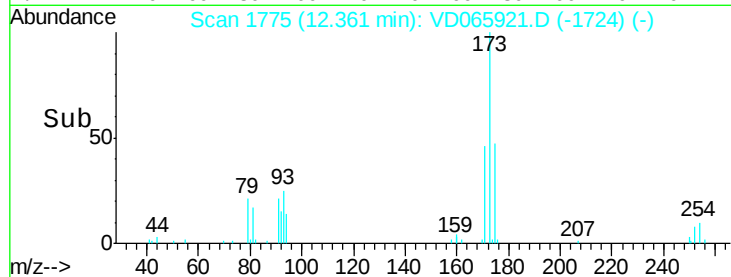
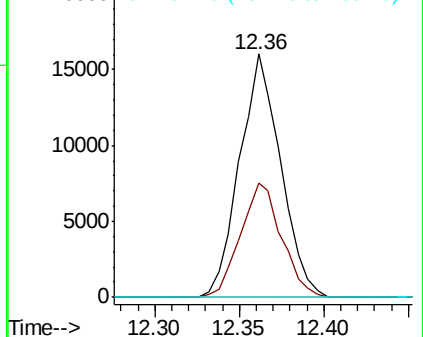
#71
Bromoform
Concen: 10.174 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:173 Resp: 27059
Ion Ratio Lower Upper
173 100
175 47.0 24.2 72.6
254 0.0 0.0 0.0

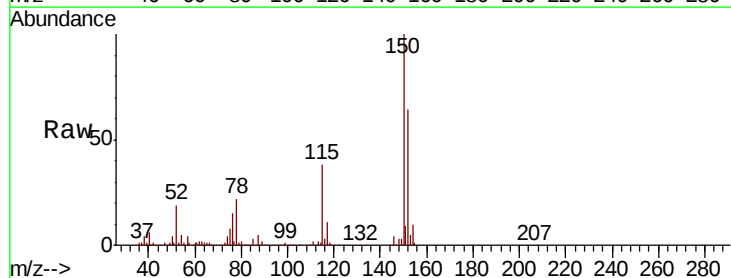


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

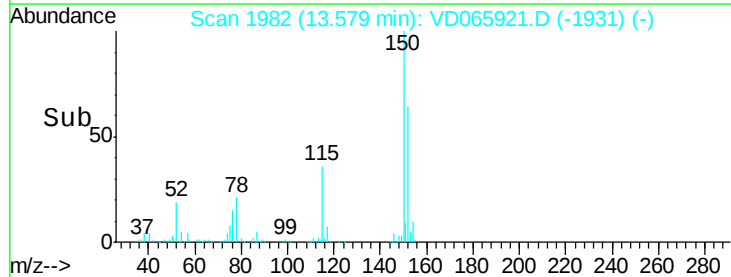
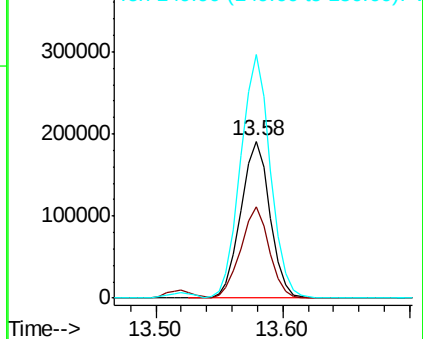


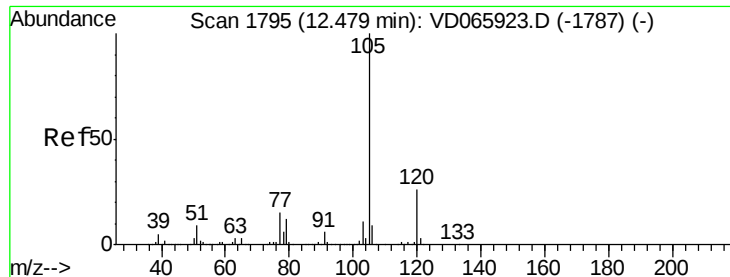
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion:152 Resp: 304385
Ion Ratio Lower Upper
152 100
115 57.1 27.8 83.3
150 158.7 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 10.016 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

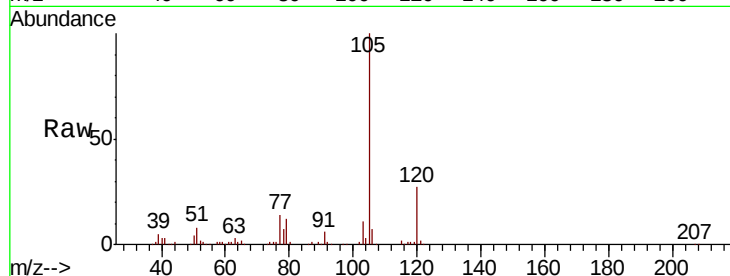
VSTDIC010

Tot Ion:105 Resp: 212776

Ion Ratio Lower Upper

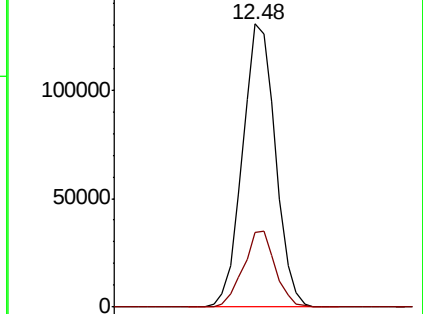
105 100

120 25.9 13.3 39.8

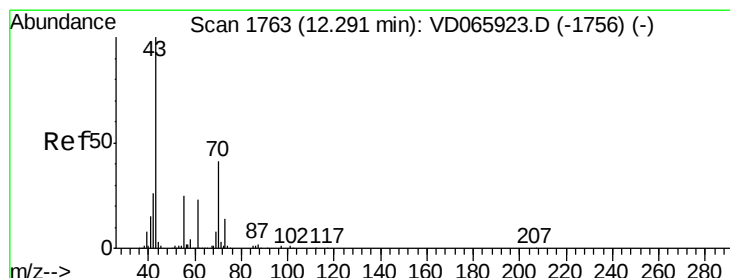
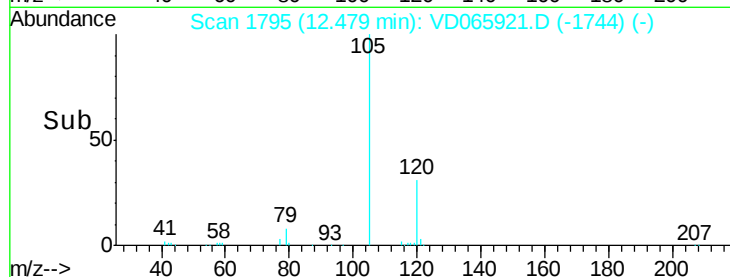


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 9.806 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Tgt Ion: 43 Resp: 46745

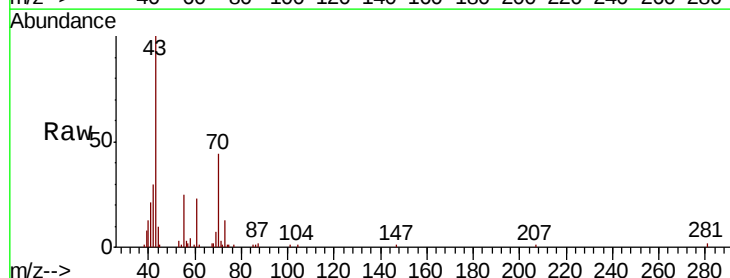
Ion Ratio Lower Upper

43 100

70 39.9 33.6 50.4

55 26.0 20.1 30.1

61 21.9 18.9 28.3

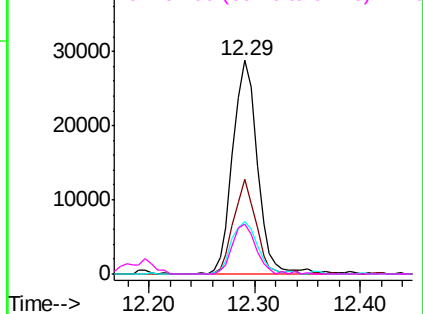


Abundance Ion 43.00 (42.70 to 43.70): VDC

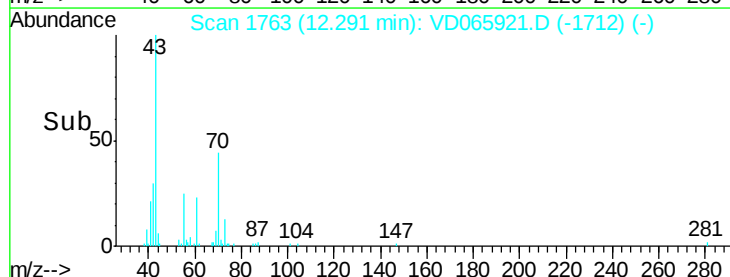
Ion 70.00 (69.70 to 70.70): VDC

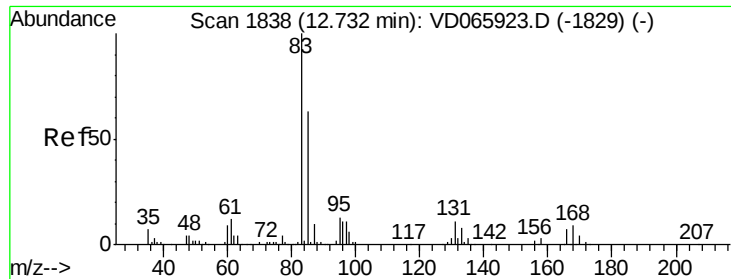
Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 10.195 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

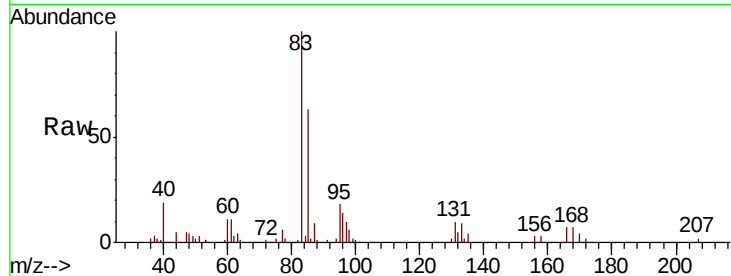
Tot Ion: 83 Resp: 35957

Ion Ratio Lower Upper

83 100

131 10.8 5.6 16.8

85 64.4 32.6 98.0

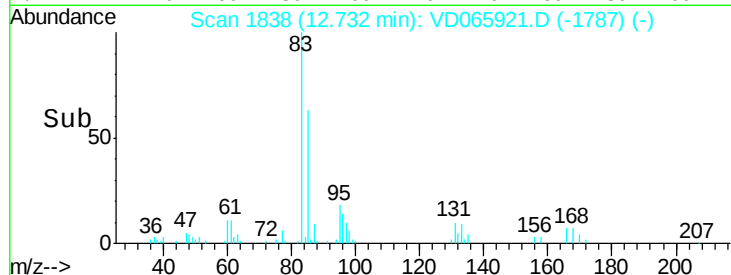


Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC

Time-->



25000

20000

15000

10000

5000

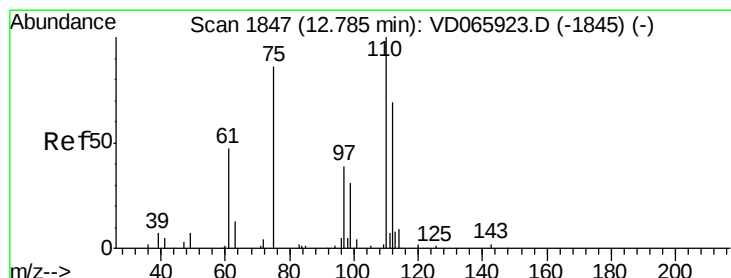
0

12.65

12.70

12.75

12.80



#76

1,2,3-Trichloropropane

Concen: 18.768 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD065921.D

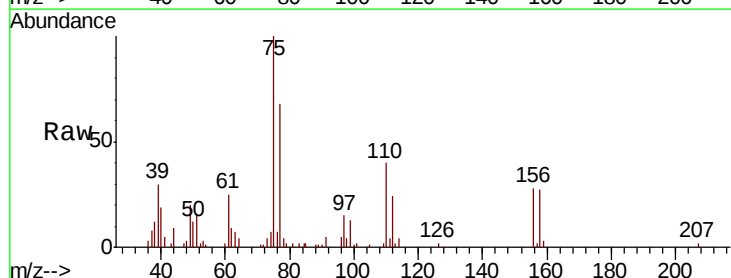
Acq: 07 Jul 2020 14:07

Tgt Ion: 75 Resp: 47726

Ion Ratio Lower Upper

75 100

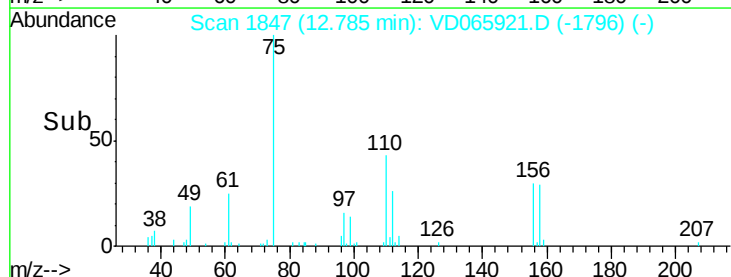
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

Time-->



50000

40000

30000

20000

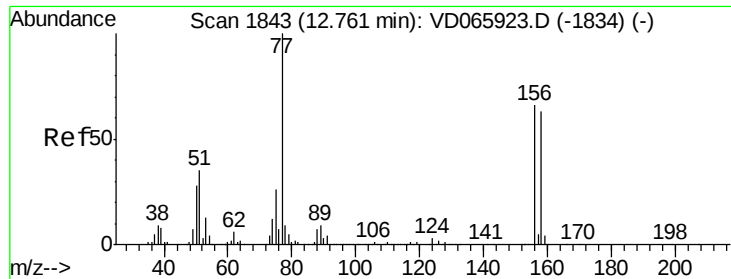
10000

0

12.70

12.80

12.90



#77

Bromobenzene

Concen: 9.862 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

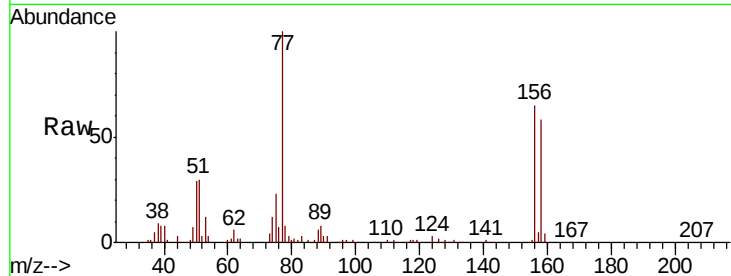
Tot Ion:156 Resp: 50811

Ion Ratio Lower Upper

156 100

77 179.1 85.0 255.0

158 95.6 49.0 147.0

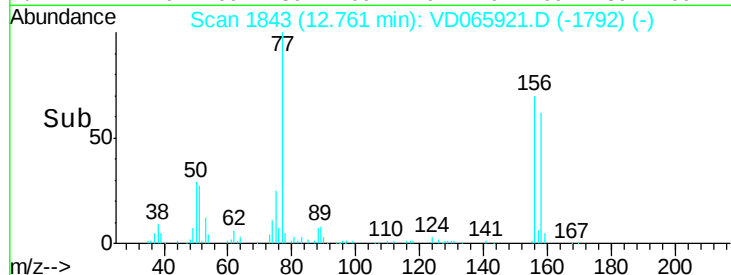


Abundance Ion 155.80 (155.50 to 156.50): V

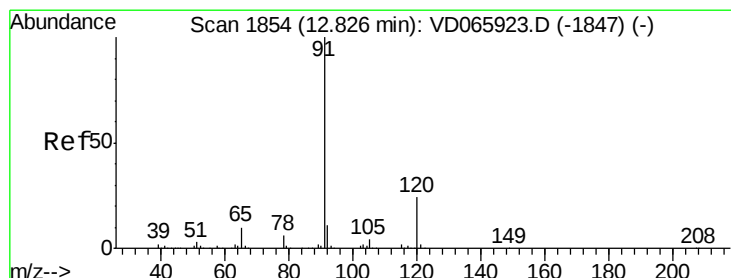
Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V

Time-->



Time-->



#78

n-propylbenzene

Concen: 9.898 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VD065921.D

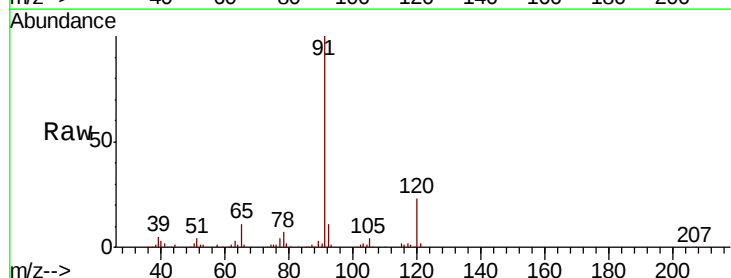
Acq: 07 Jul 2020 14:07

Tgt Ion: 91 Resp: 246509

Ion Ratio Lower Upper

91 100

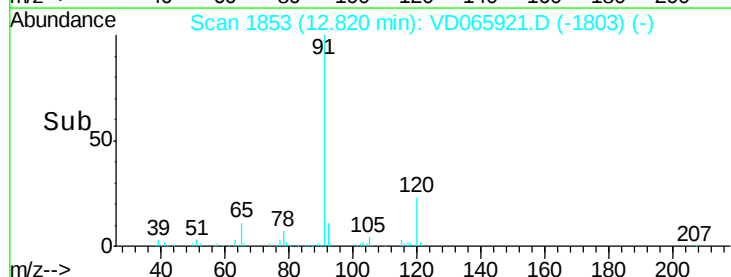
120 23.2 11.8 35.4



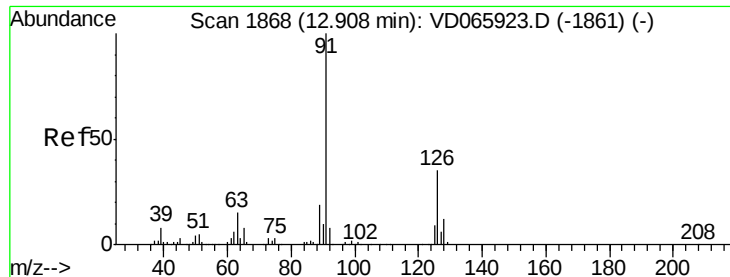
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

Time-->



Time-->



#79

2-Chlorotoluene

Concen: 9.849 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

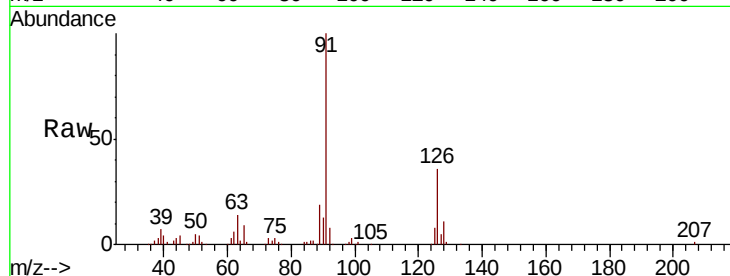
VSTDIC010

Tot Ion: 91 Resp: 139160

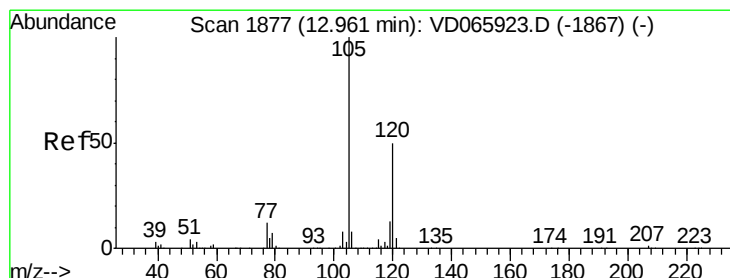
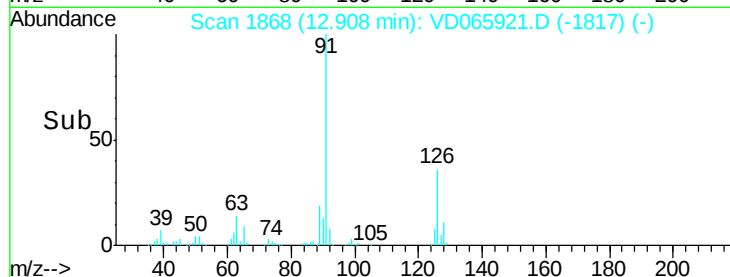
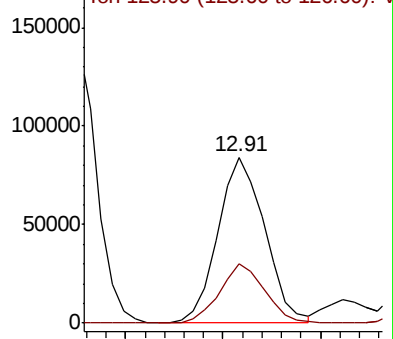
Ion Ratio Lower Upper

91 100

126 34.7 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 9.948 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD065921.D

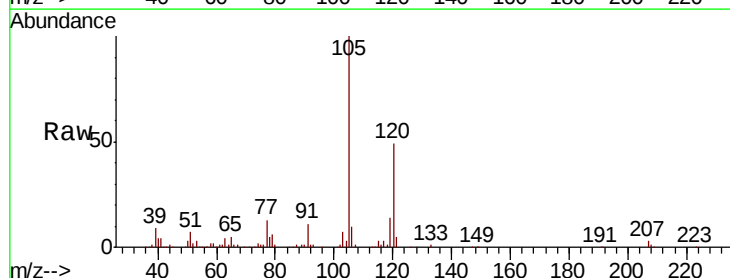
Acq: 07 Jul 2020 14:07

Tgt Ion:105 Resp: 172850

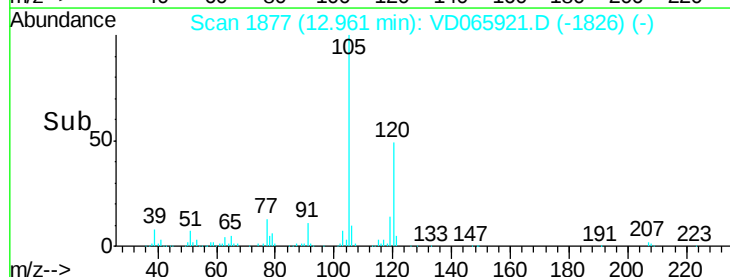
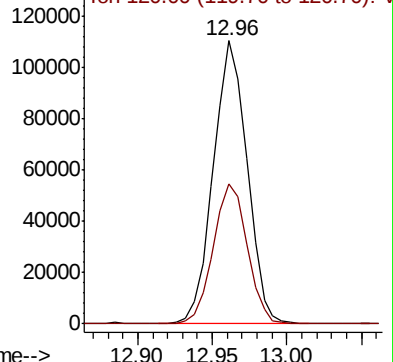
Ion Ratio Lower Upper

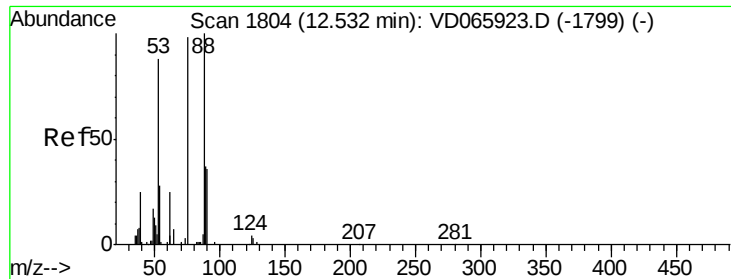
105 100

120 49.8 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 9.966 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

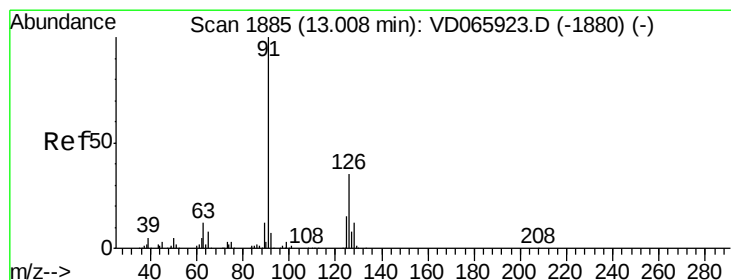
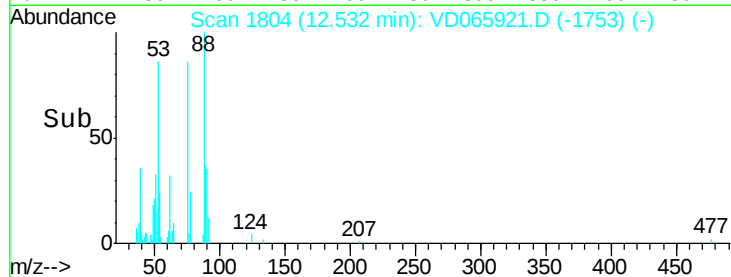
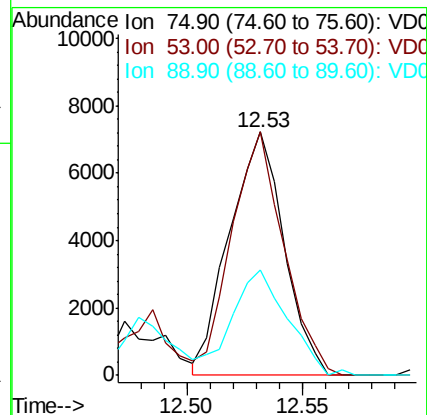
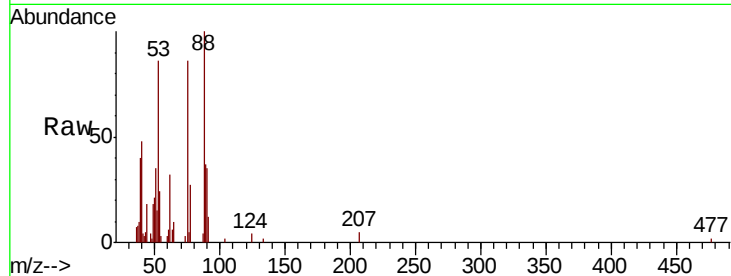
Tot Ion: 75 Resp: 11843

Ion Ratio Lower Upper

75 100

53 96.0 75.8 113.8

89 44.5 37.5 56.3



#82

4-Chlorotoluene

Concen: 10.211 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD065921.D

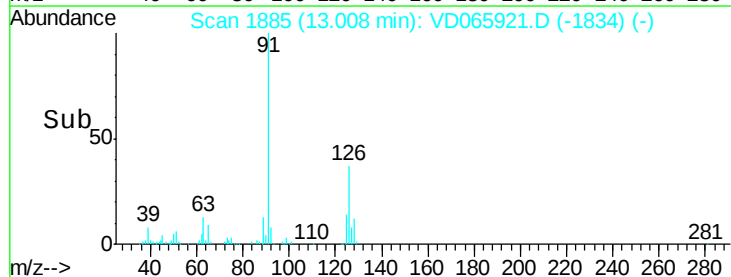
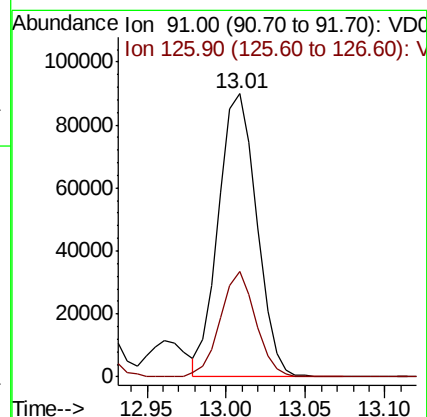
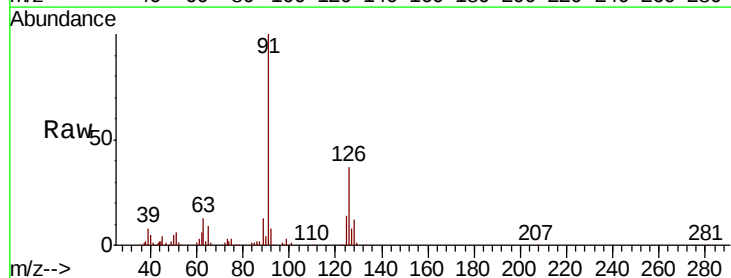
Acq: 07 Jul 2020 14:07

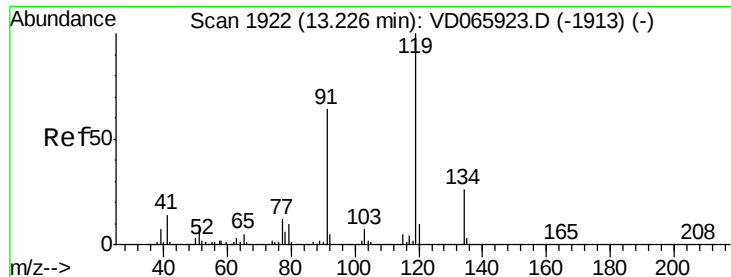
Tgt Ion: 91 Resp: 151364

Ion Ratio Lower Upper

91 100

126 34.4 17.3 51.7

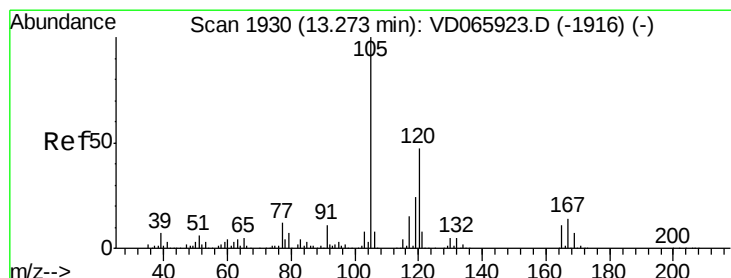
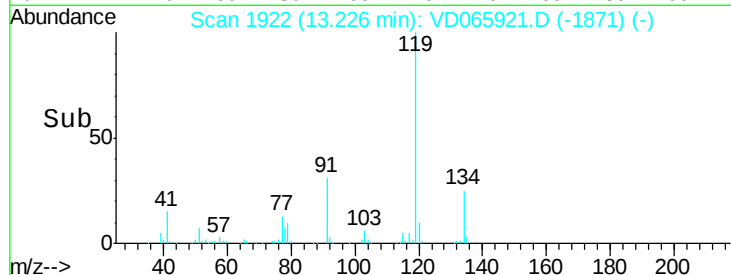
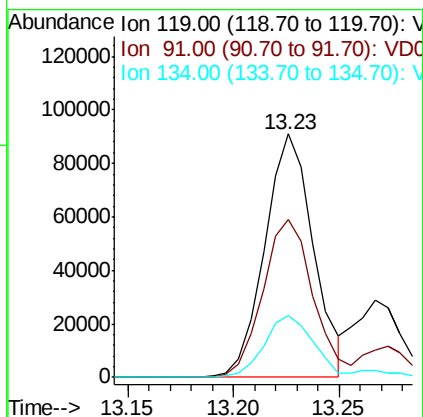
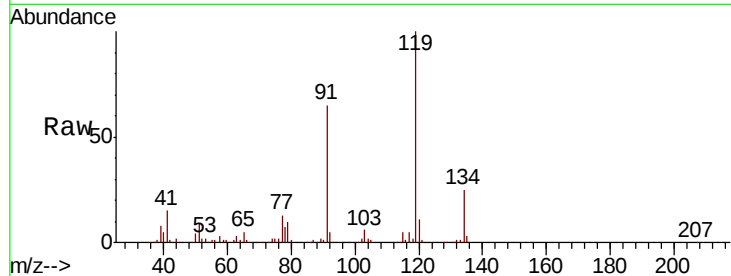




#83
tert-Butylbenzene
Concen: 9.840 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

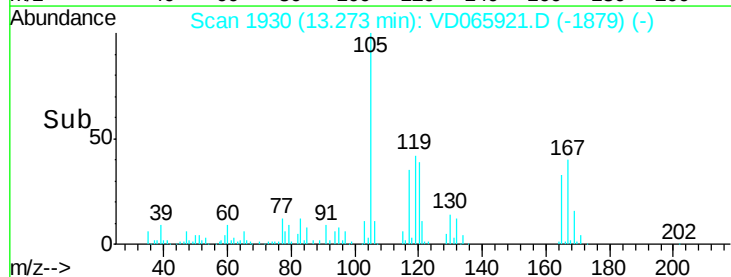
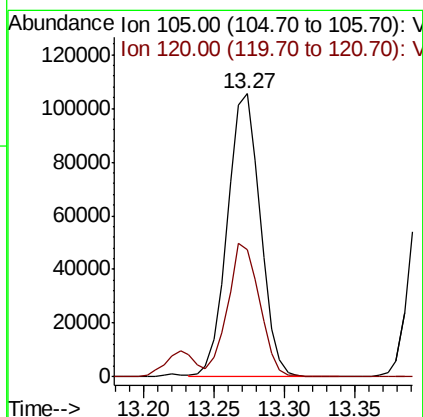
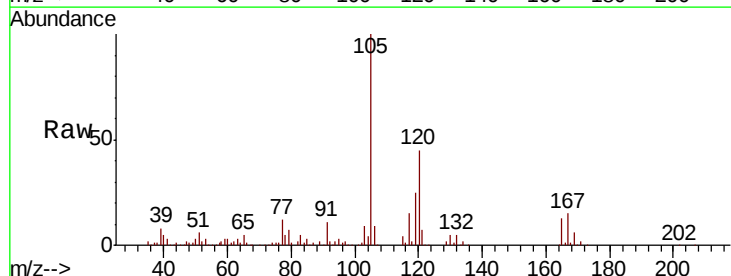
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

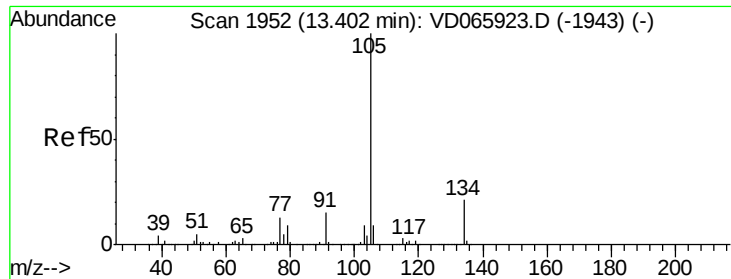
Tot Ion:119 Resp: 145671
Ion Ratio Lower Upper
119 100
91 67.0 32.4 97.2
134 25.8 14.1 42.4



#84
1,2,4-Trimethylbenzene
Concen: 9.906 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion:105 Resp: 171326
Ion Ratio Lower Upper
105 100
120 45.7 23.2 69.5





#85

sec-Butylbenzene

Concen: 9.927 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

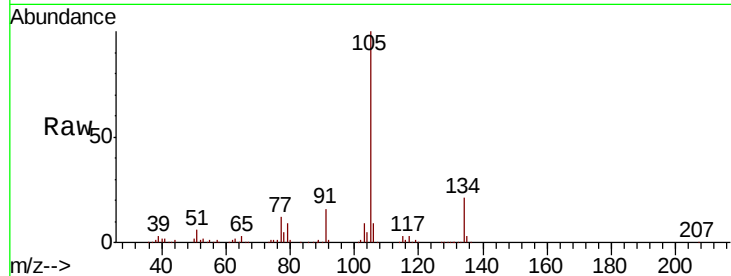
VSTDIC010

Tot Ion:105 Resp: 208254

Ion Ratio Lower Upper

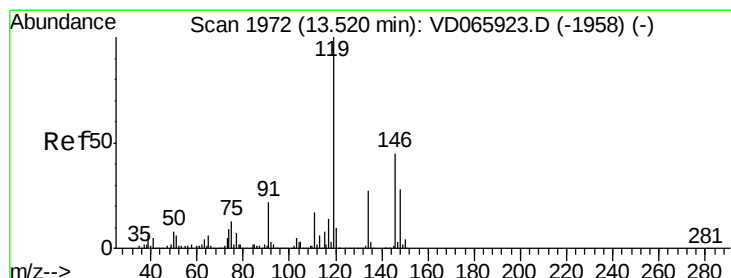
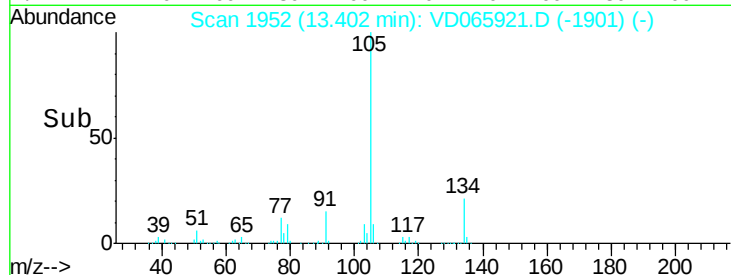
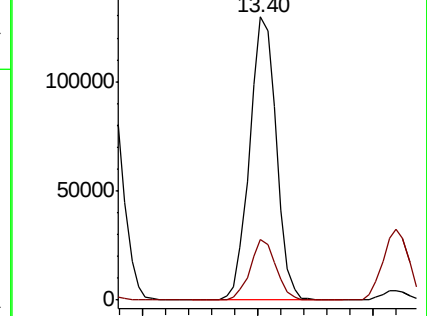
105 100

134 20.6 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 9.899 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

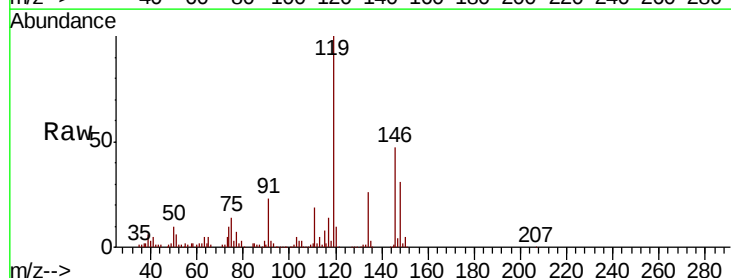
Tgt Ion:119 Resp: 189956

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

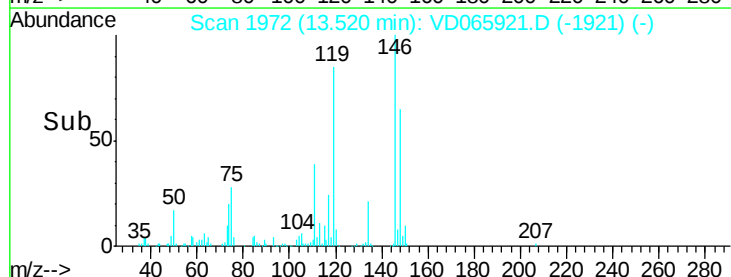
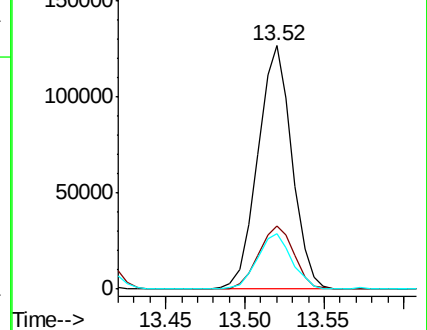
91 23.1 11.3 33.8

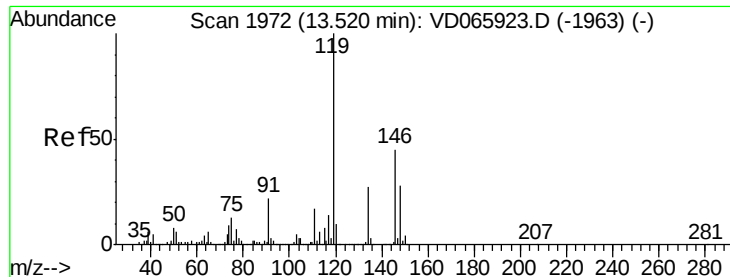


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

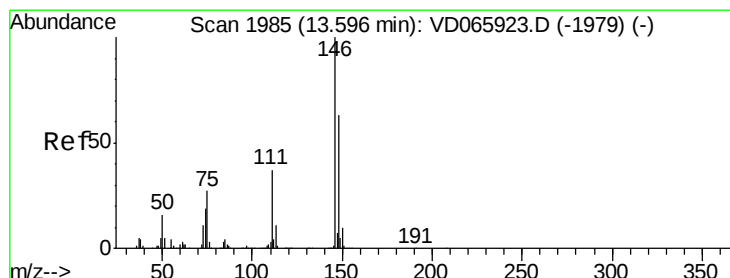
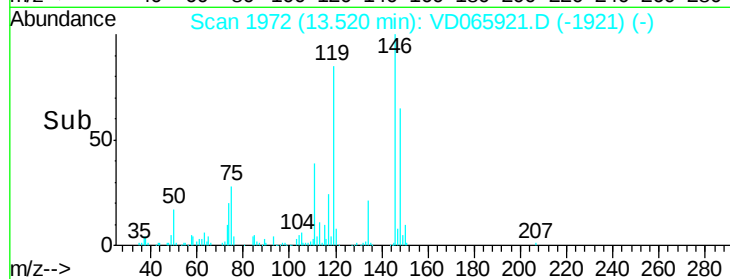
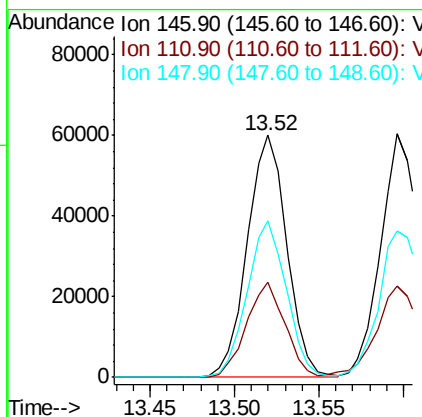
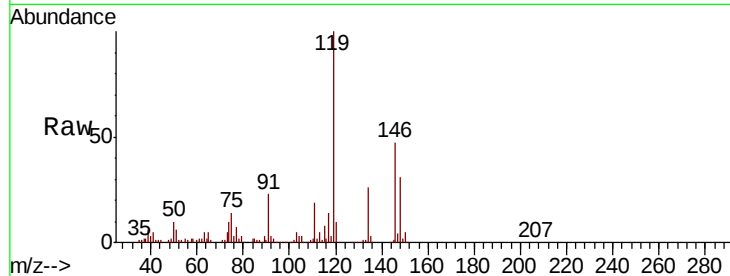




#87
 1,3-Dichlorobenzene
 Concen: 10.162 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

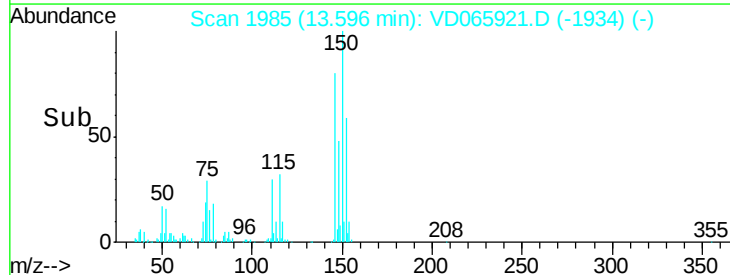
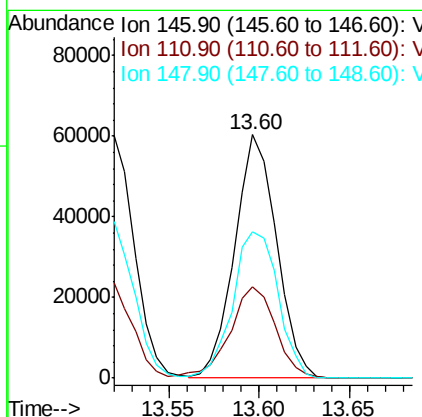
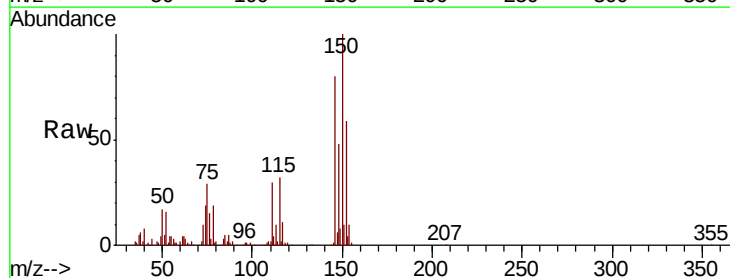
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

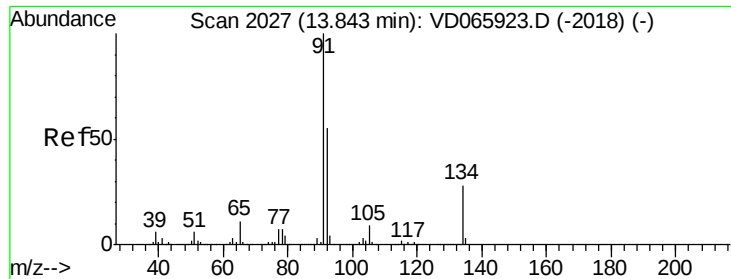
Tot Ion:146 Resp: 97972
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.3 57.8
 148 64.2 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 10.111 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

Tgt Ion:146 Resp: 97252
 Ion Ratio Lower Upper
 146 100
 111 40.4 18.9 56.7
 148 65.1 32.1 96.3

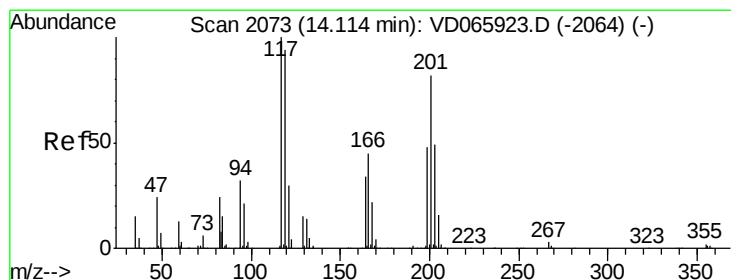
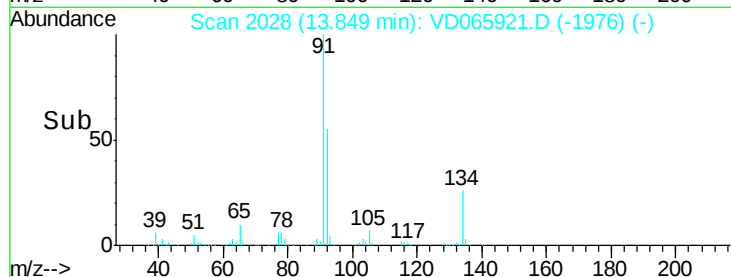
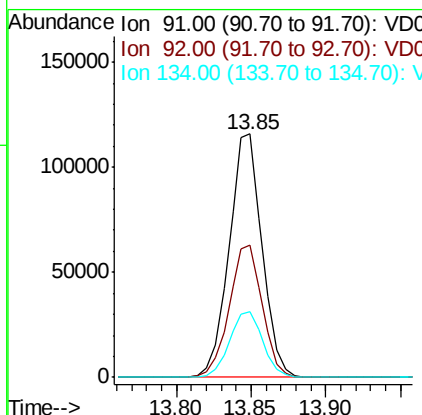
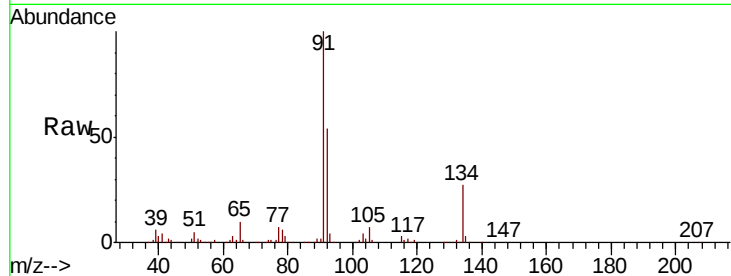




#89
n-Butylbenzene
Concen: 9.878 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

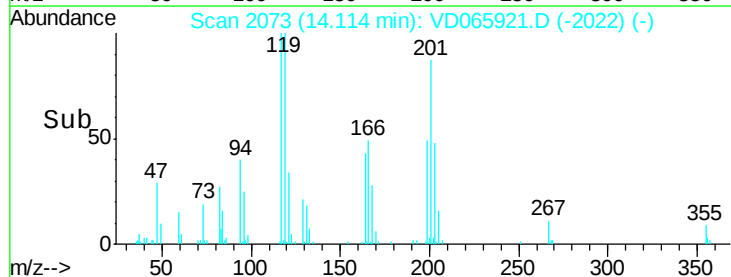
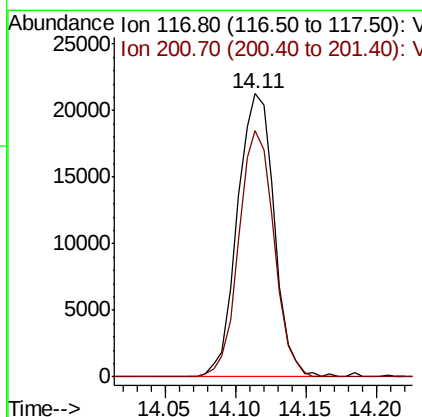
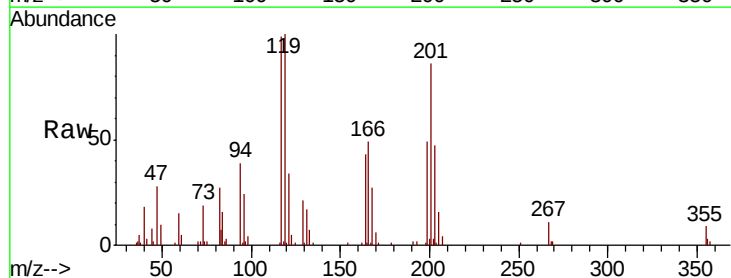
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

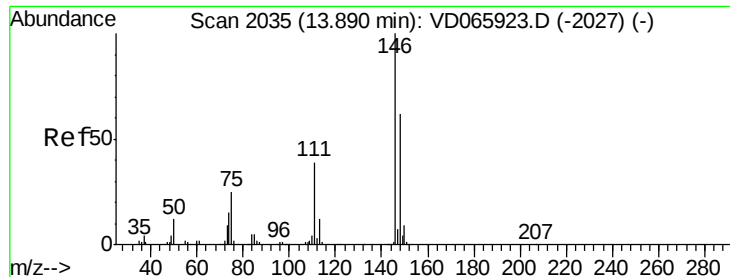
Tot Ion: 91 Resp: 177989
Ion Ratio Lower Upper
91 100
92 54.5 27.2 81.6
134 27.5 13.8 41.3



#90
Hexachloroethane
Concen: 10.005 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion: 117 Resp: 38716
Ion Ratio Lower Upper
117 100
201 83.4 40.0 120.0





#91

1,2-Dichlorobenzene

Concen: 9.996 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

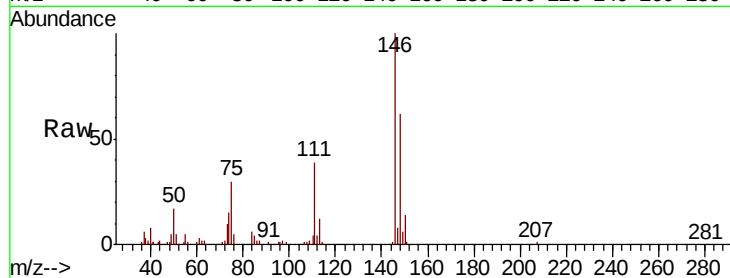
Tot Ion:146 Resp: 84229

Ion Ratio Lower Upper

146 100

111 38.9 19.7 59.0

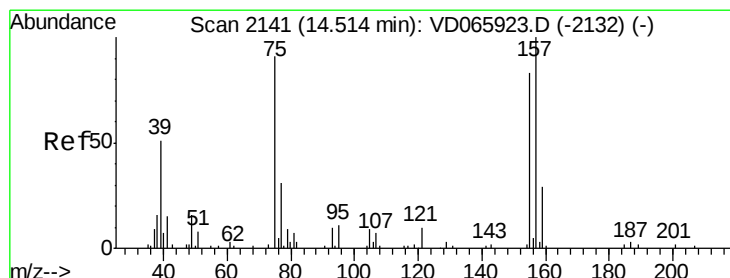
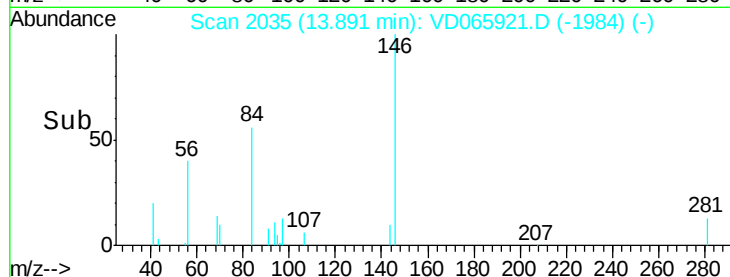
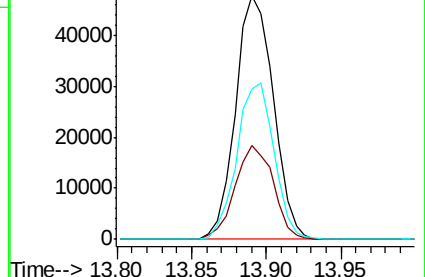
148 63.2 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 9.416 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD065921.D

Acq: 07 Jul 2020 14:07

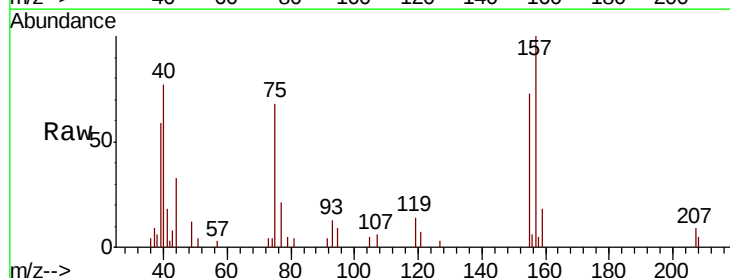
Tgt Ion: 75 Resp: 5553

Ion Ratio Lower Upper

75 100

155 97.9 45.3 135.8

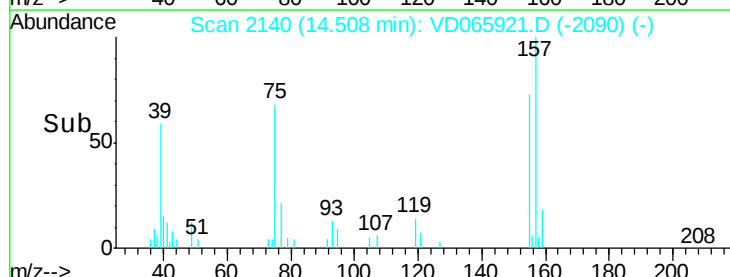
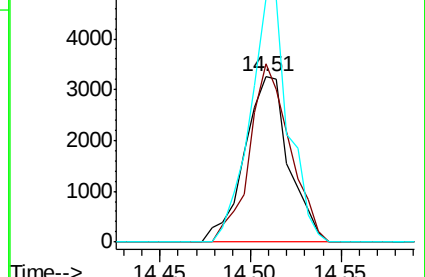
157 129.2 56.9 170.6

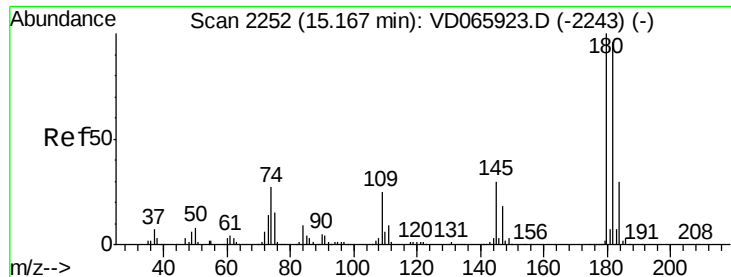


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

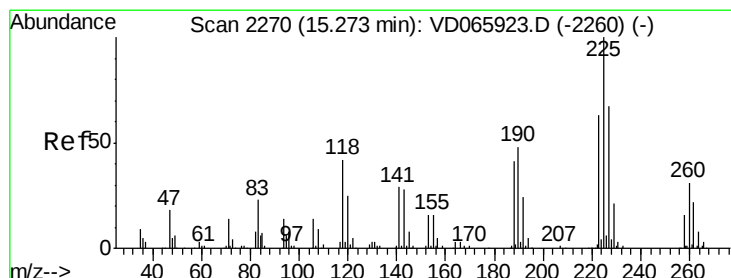
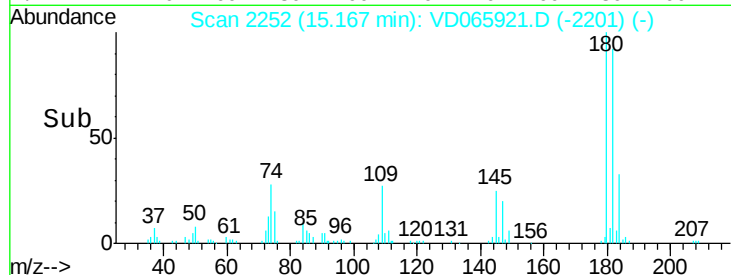
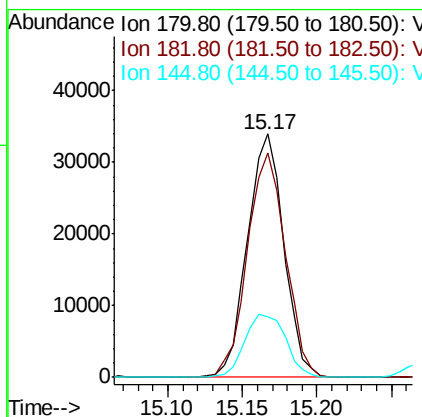
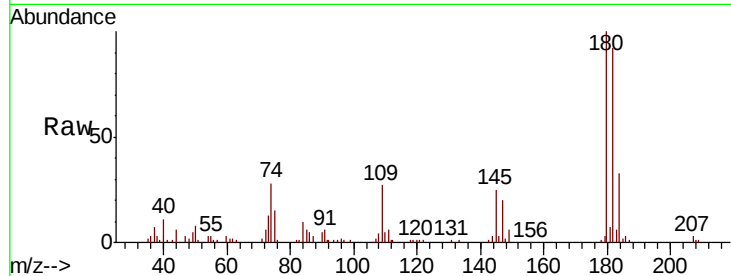




#93
 1,2,4-Trichlorobenzene
 Concen: 9.521 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

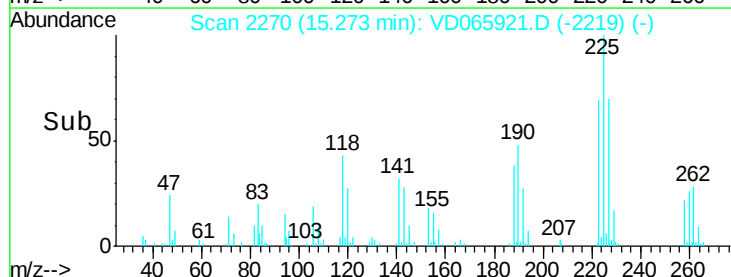
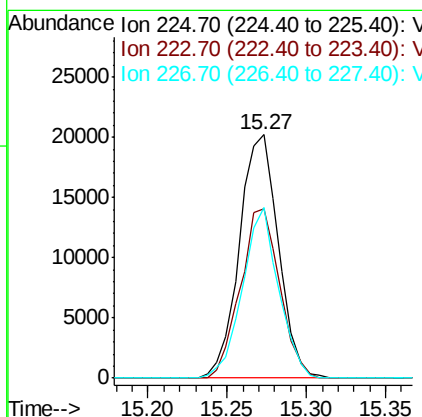
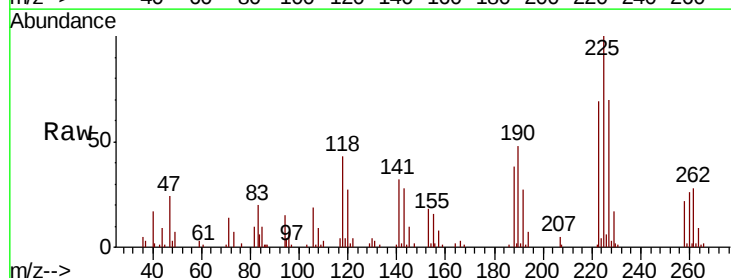
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

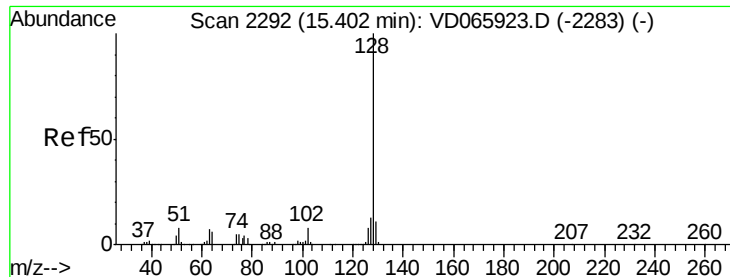
Tot Ion:180 Resp: 57179
 Ion Ratio Lower Upper
 180 100
 182 96.4 48.5 145.6
 145 29.2 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 9.505 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD065921.D
 Acq: 07 Jul 2020 14:07

Tgt Ion:225 Resp: 34531
 Ion Ratio Lower Upper
 225 100
 223 70.0 31.1 93.2
 227 64.9 31.6 95.0

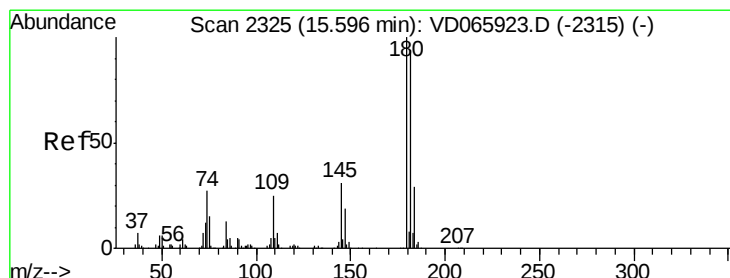
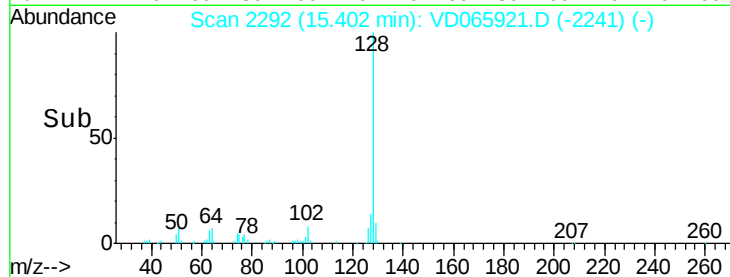
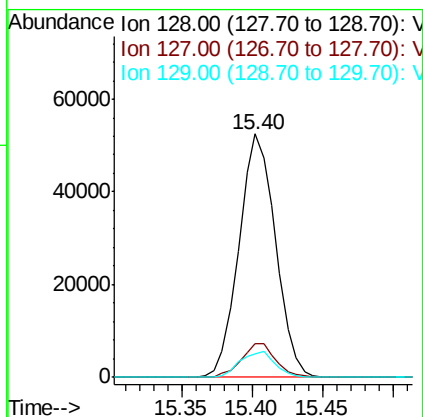
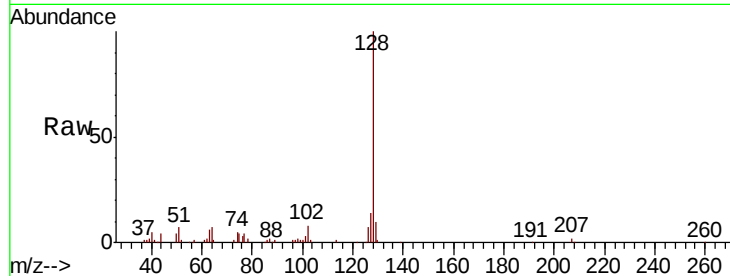




#95
Naphthalene
Concen: 9.463 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:128 Resp: 95320
Ion Ratio Lower Upper
128 100
127 13.1 10.8 16.2
129 10.3 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 9.830 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VD065921.D
Acq: 07 Jul 2020 14:07

Tgt Ion:180 Resp: 50922
Ion Ratio Lower Upper
180 100
182 96.1 47.6 142.8
145 32.0 16.1 48.2

