

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110320\
 Data File : VD067502.D
 Acq On : 03 Nov 2020 10:43
 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: Nov 04 00:27:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:25:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	323215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	482682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	432840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	223150	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	31582	11.17	ug/l	0.00
Spiked Amount			Recovery	=	22.34%	
35) Dibromofluoromethane	7.93	113	31584	10.86	ug/l	0.00
Spiked Amount			Recovery	=	21.72%	
50) Toluene-d8	10.35	98	115335	11.29	ug/l	0.00
Spiked Amount			Recovery	=	22.58%	
62) 4-Bromofluorobenzene	12.64	95	39096	11.08	ug/l	0.00
Spiked Amount			Recovery	=	22.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	35172	11.900	ug/l	93
3) Chloromethane	2.21	50	22984	11.419	ug/l	93
4) Vinyl Chloride	2.36	62	23645	10.537	ug/l #	85
5) Bromomethane	2.78	94	20176	11.093	ug/l	85
6) Chloroethane	2.93	64	15360	11.103	ug/l	98
7) Trichlorofluoromethane	3.28	101	64254	11.059	ug/l	97
8) Diethyl Ether	3.71	74	11723	10.013	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	31725	10.817	ug/l	99
10) Methyl Iodide	4.30	142	29265	9.310	ug/l	95
11) Tert butyl alcohol	5.22	59	6591	46.059	ug/l #	94
12) 1,1-Dichloroethene	4.08	96	29023	10.758	ug/l	95
13) Acrolein	3.93	56	3529	34.368	ug/l	99
14) Allyl chloride	4.72	41	30062	10.412	ug/l	95
15) Acrylonitrile	5.43	53	22691	52.431	ug/l	97
16) Acetone	4.16	43	21508	50.856	ug/l #	88
17) Carbon Disulfide	4.42	76	88397	10.693	ug/l	96
18) Methyl Acetate	4.72	43	9131	10.448	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	53082	9.975	ug/l	94
20) Methylene Chloride	4.97	84	33428	11.189	ug/l	93
21) trans-1,2-Dichloroethene	5.48	96	33209	10.569	ug/l	97
22) Diisopropyl ether	6.37	45	58095	10.325	ug/l	97
23) Vinyl Acetate	6.31	43	145331	49.252	ug/l	96
24) 1,1-Dichloroethane	6.27	63	50433	10.957	ug/l	98
25) 2-Butanone	7.21	43	23272	51.498	ug/l	93
26) 2,2-Dichloropropane	7.21	77	51254	10.551	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	34101	10.456	ug/l	96
28) Bromochloromethane	7.56	49	16995	10.380	ug/l	100
29) Tetrahydrofuran	7.57	42	13898	51.343	ug/l	96
30) Chloroform	7.72	83	59758	10.882	ug/l	99
31) Cyclohexane	8.00	56	46465	11.336	ug/l #	96
32) 1,1,1-Trichloroethane	7.91	97	62375	11.009	ug/l	96
36) 1,1-Dichloropropene	8.12	75	43859	10.615	ug/l	99
37) Ethyl Acetate	7.29	43	11558	10.775	ug/l	96
38) Carbon Tetrachloride	8.10	117	58329	10.866	ug/l	91

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Quant Time: Nov 04 00:27:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:25:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.37	83	50608	10.407	ug/l	95
40) Benzene	8.36	78	118983	10.631	ug/l	99
41) Methacrylonitrile	7.52	41	4521	8.379	ug/l #	13
42) 1,2-Dichloroethane	8.43	62	36366	10.517	ug/l	100
43) Isopropyl Acetate	8.46	43	21727	10.242	ug/l	96
44) Trichloroethene	9.12	130	38371	10.427	ug/l	92
45) 1,2-Dichloropropane	9.39	63	25527	10.550	ug/l	94
46) Dibromomethane	9.48	93	16185	10.520	ug/l	98
47) Bromodichloromethane	9.67	83	43040	10.292	ug/l	100
48) Methyl methacrylate	9.47	41	10748	9.813	ug/l	89
49) 1,4-Dioxane	9.47	88	3741	239.520	ug/l #	94
51) 4-Methyl-2-Pentanone	10.24	43	51422	50.684	ug/l	97
52) Toluene	10.41	92	77150	10.292	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	36462	10.181	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	44342	10.421	ug/l	92
55) 1,1,2-Trichloroethane	10.81	97	21574	10.598	ug/l #	89
56) Ethyl methacrylate	10.67	69	21923	10.429	ug/l	93
57) 1,3-Dichloropropane	10.95	76	34438	10.513	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.95	63	46931	47.874	ug/l	98
59) 2-Hexanone	10.99	43	35708	50.337	ug/l	94
60) Dibromochloromethane	11.14	129	32478	10.785	ug/l	98
61) 1,2-Dibromoethane	11.25	107	21628	10.586	ug/l	100
64) Tetrachloroethene	10.88	164	34631	10.803	ug/l	94
65) Chlorobenzene	11.68	112	89358	10.717	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	35352	10.758	ug/l	97
67) Ethyl Benzene	11.75	91	145674	10.210	ug/l	98
68) m/p-Xylenes	11.86	106	114526	20.633	ug/l	100
69) o-Xylene	12.18	106	49922	10.074	ug/l	96
70) Styrene	12.20	104	90899	10.526	ug/l	97
71) Bromoform	12.37	173	17613	10.509	ug/l #	86
73) Isopropylbenzene	12.48	105	143813	9.972	ug/l	100
74) N-amyl acetate	12.30	43	18784	9.898	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	20307	10.326	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	27908	19.832	ug/l #	100
77) Bromobenzene	12.77	156	36669	10.353	ug/l	98
78) n-propylbenzene	12.83	91	168257	10.200	ug/l	99
79) 2-Chlorotoluene	12.91	91	94547	10.090	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	125143	10.158	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	7607	11.473	ug/l #	87
82) 4-Chlorotoluene	13.01	91	105408	10.488	ug/l	98
83) tert-Butylbenzene	13.23	119	102374	9.805	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	124643	10.164	ug/l	97
85) sec-Butylbenzene	13.41	105	141685	10.052	ug/l	99
86) p-Isopropyltoluene	13.53	119	140571	10.328	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	72024	10.657	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	74191	10.842	ug/l	98
89) n-Butylbenzene	13.85	91	116171	9.881	ug/l	99
90) Hexachloroethane	14.12	117	25544	9.966	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	60539	10.350	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3864	11.097	ug/l	94

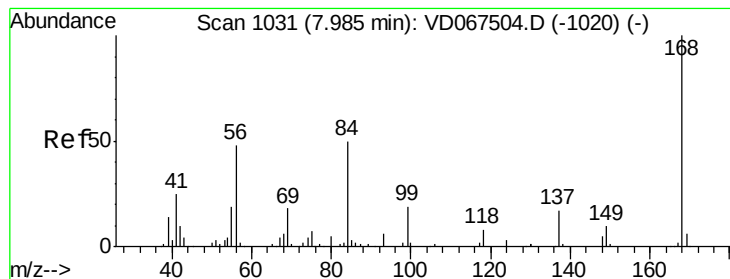
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110320\
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Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:25:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	39460	9.940	ug/l	98
94) Hexachlorobutadiene	15.27	225	27073	10.190	ug/l	97
95) Naphthalene	15.41	128	55630	9.080	ug/l	96
96) 1,2,3-Trichlorobenzene	15.60	180	32814	9.653	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

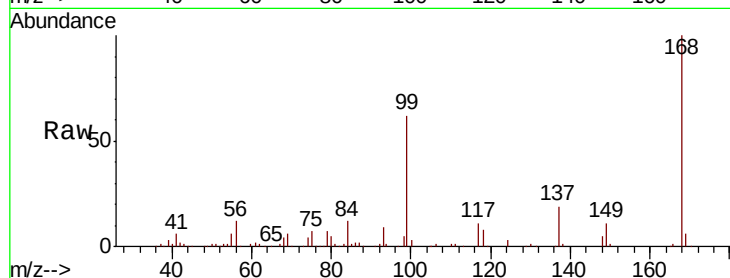
VSTDIC010

Tot Ion:168 Resp: 323215

Ion Ratio Lower Upper

168 100

99 61.4 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

150000

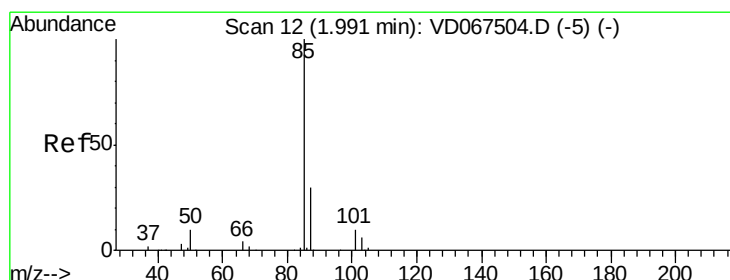
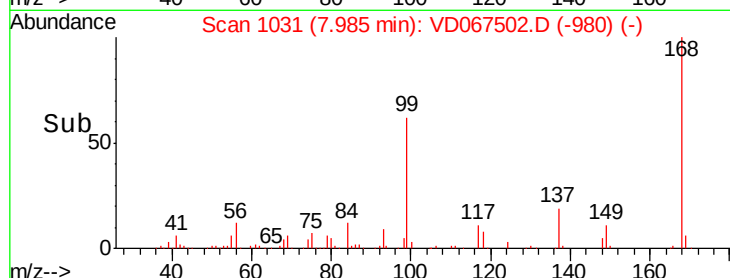
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 11.900 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD067502.D

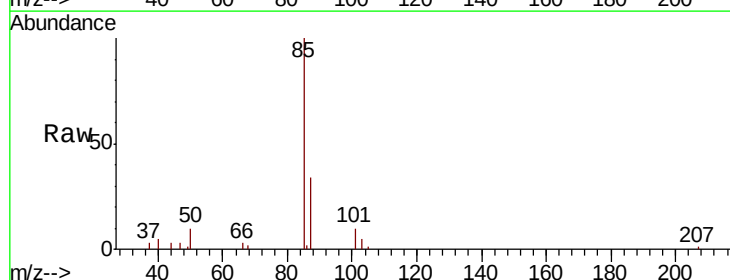
Acq: 03 Nov 2020 10:43

Tgt Ion: 85 Resp: 35172

Ion Ratio Lower Upper

85 100

87 34.5 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

30000

25000

20000

15000

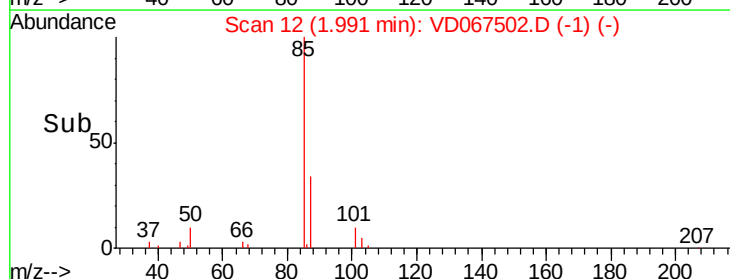
10000

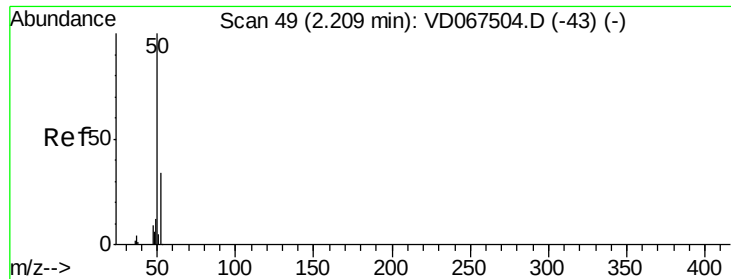
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 11.419 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

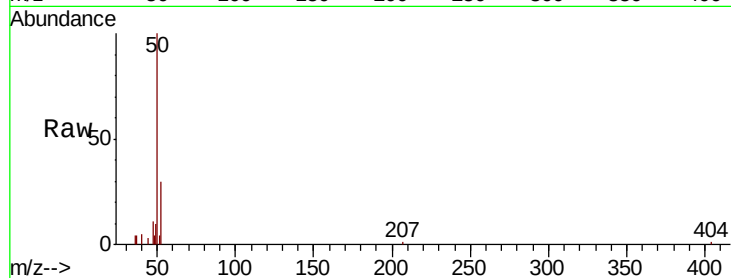
VSTDIC010

Tot Ion: 50 Resp: 22984

Ion Ratio Lower Upper

50 100

52 30.1 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

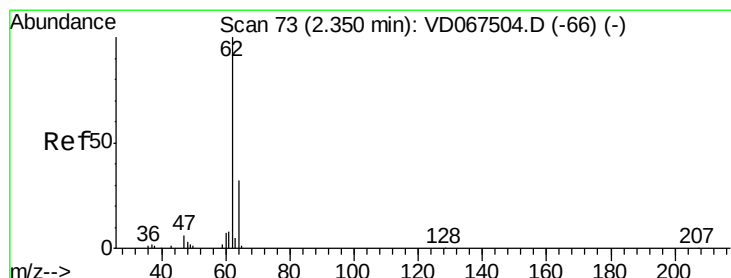
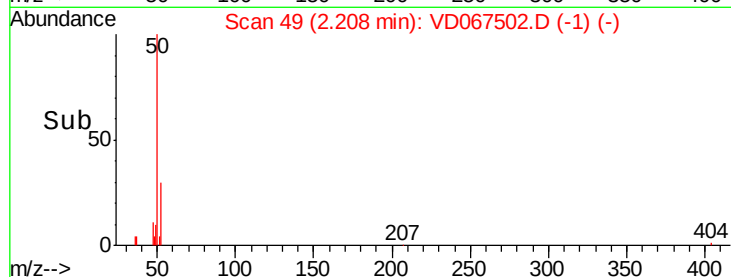
15000

10000

5000

0

Time-->



#4

Vinyl Chloride

Concen: 10.537 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067502.D

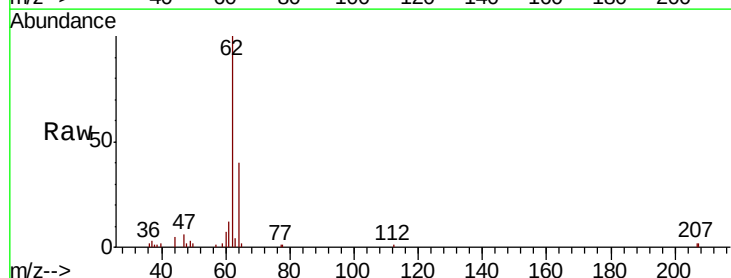
Acq: 03 Nov 2020 10:43

Tgt Ion: 62 Resp: 23645

Ion Ratio Lower Upper

62 100

64 40.2 25.6 38.4#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.36

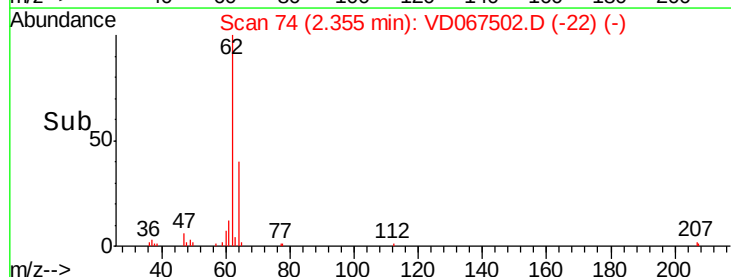
15000

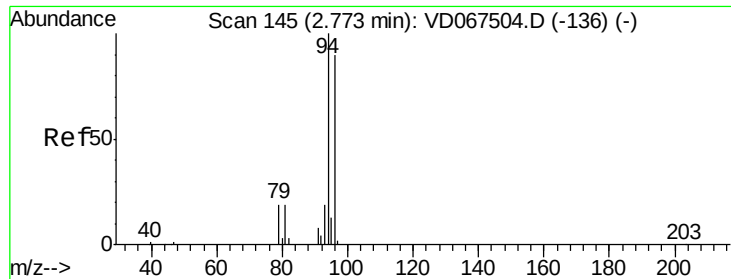
10000

5000

0

Time-->





#5

Bromomethane

Concen: 11.093 ug/l

RT: 2.78 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

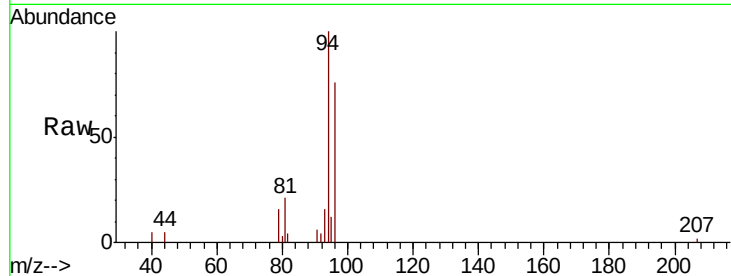
VSTDIC010

Tot Ion: 94 Resp: 20176

Ion Ratio Lower Upper

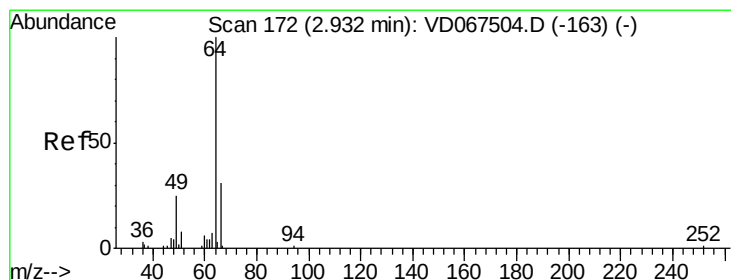
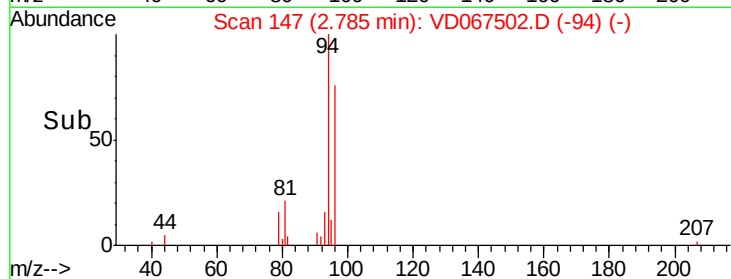
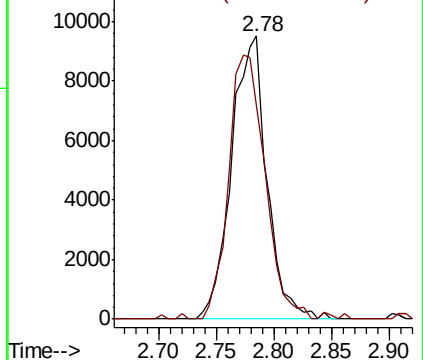
94 100

96 75.8 72.2 108.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 11.103 ug/l

RT: 2.93 min Scan# 172

Delta R.T. -0.00 min

Lab File: VD067502.D

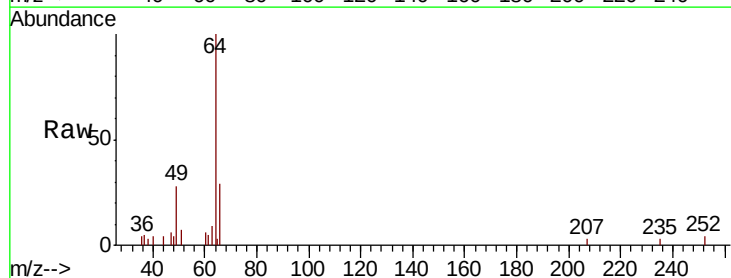
Acq: 03 Nov 2020 10:43

Tgt Ion: 64 Resp: 15360

Ion Ratio Lower Upper

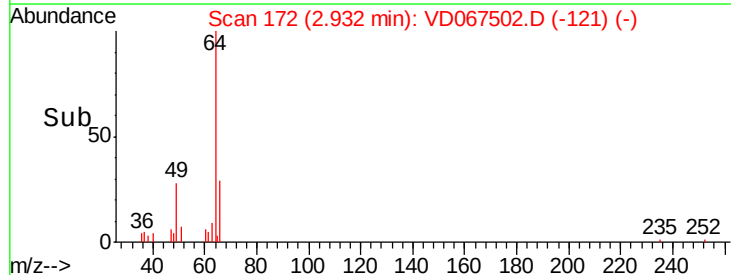
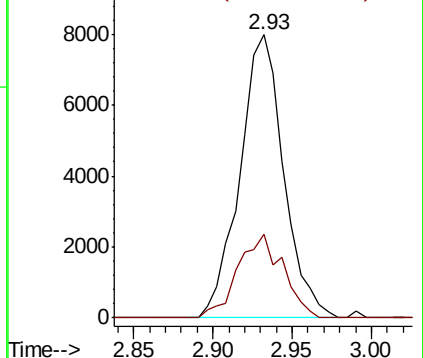
64 100

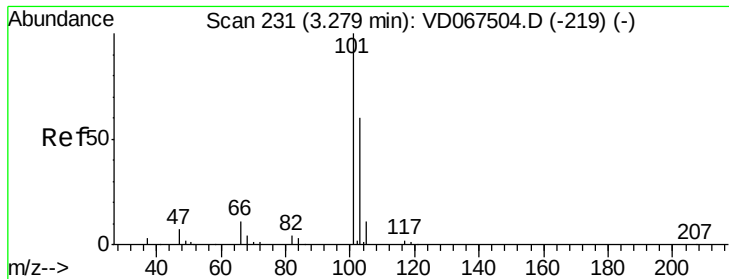
66 29.4 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



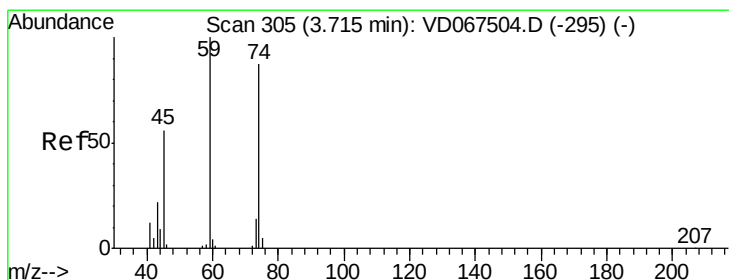
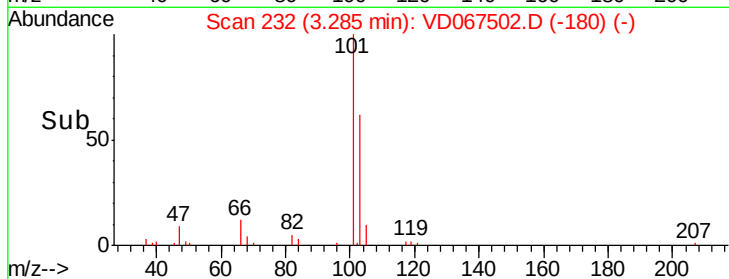
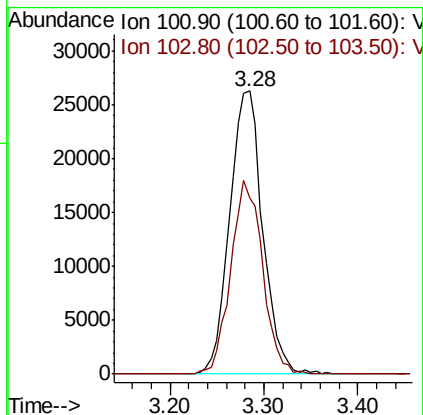
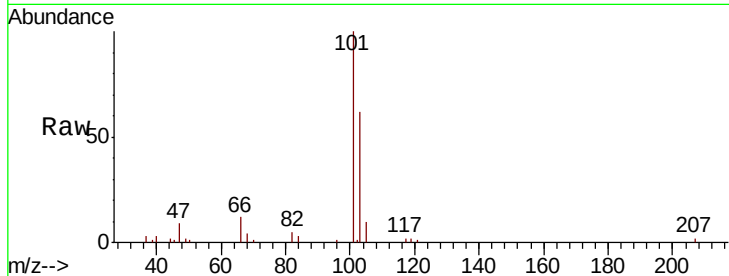


#7

Trichlorofluoromethane
 Concen: 11.059 ug/l
 RT: 3.28 min Scan# 232
 Delta R.T. 0.01 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

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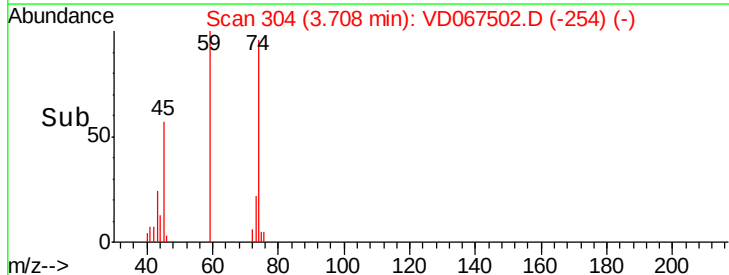
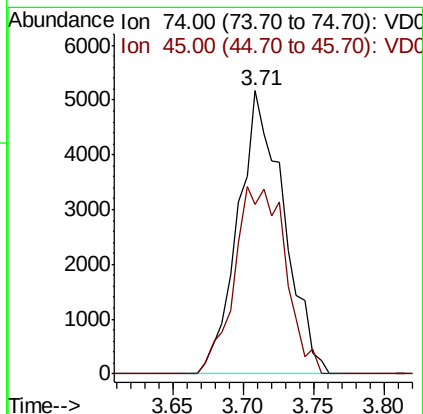
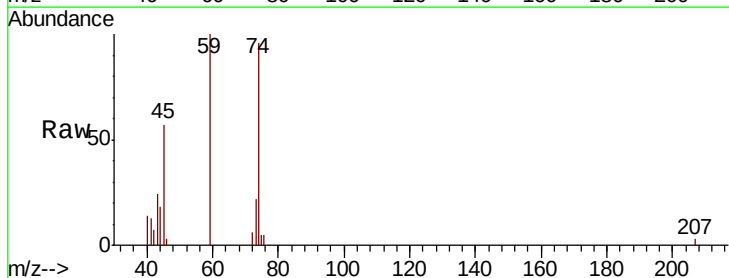
Tot Ion:101 Resp: 64254
 Ion Ratio Lower Upper
 101 100
 103 62.2 48.1 72.1

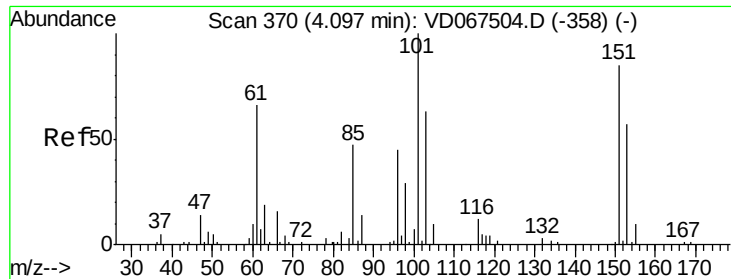


#8

Diethyl Ether
 Concen: 10.013 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.01 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Tgt Ion: 74 Resp: 11723
 Ion Ratio Lower Upper
 74 100
 45 73.3 38.2 114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.817 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

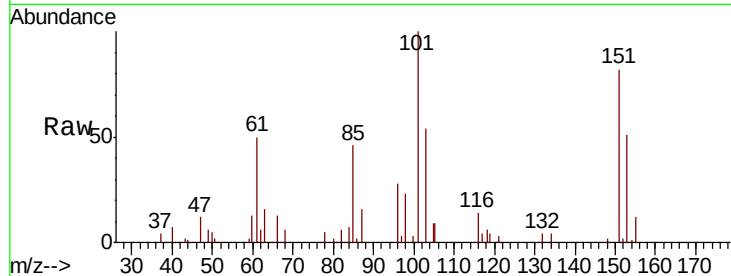
Tot Ion:101 Resp: 31725

Ion Ratio Lower Upper

101 100

85 43.9 34.4 51.6

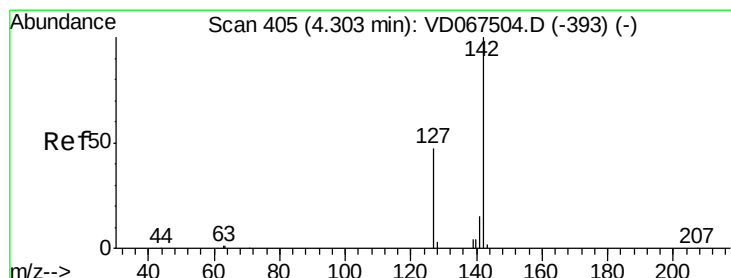
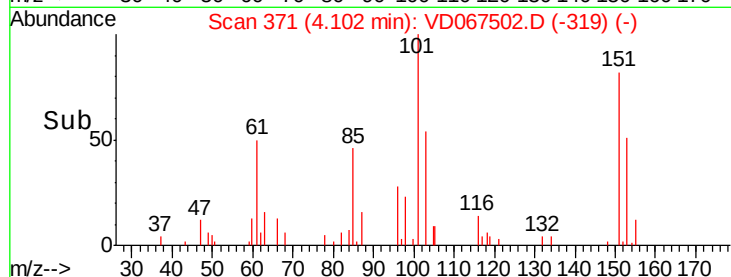
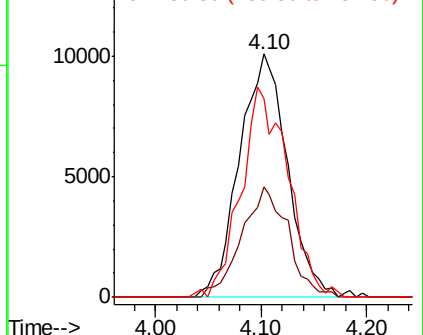
151 84.8 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VDC

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 9.310 ug/l

RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

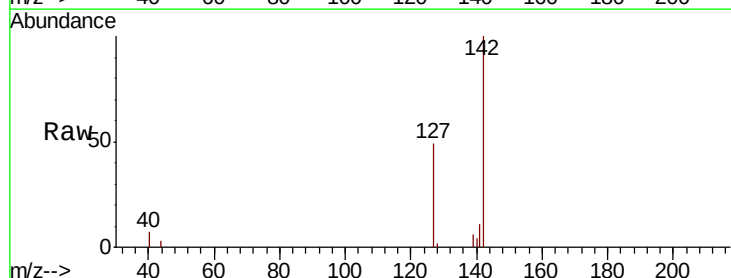
Tgt Ion:142 Resp: 29265

Ion Ratio Lower Upper

142 100

127 53.7 40.0 60.0

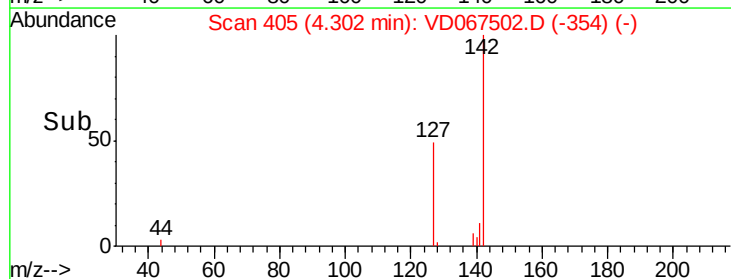
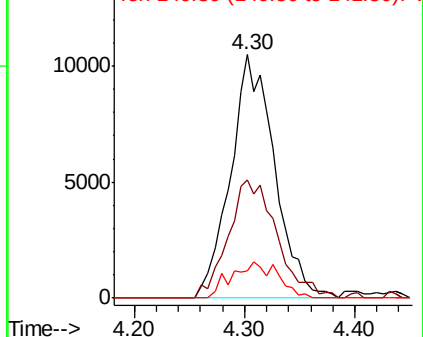
141 15.5 11.7 17.5

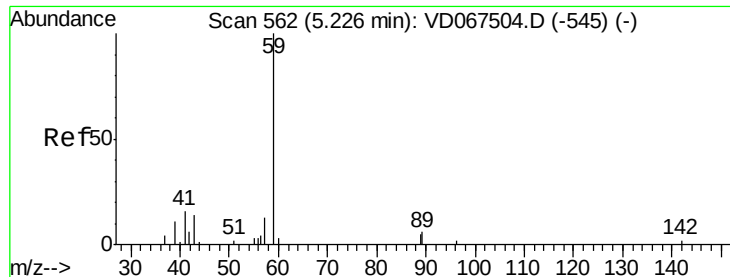


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

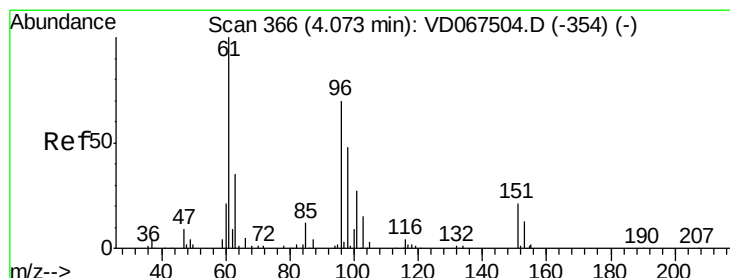
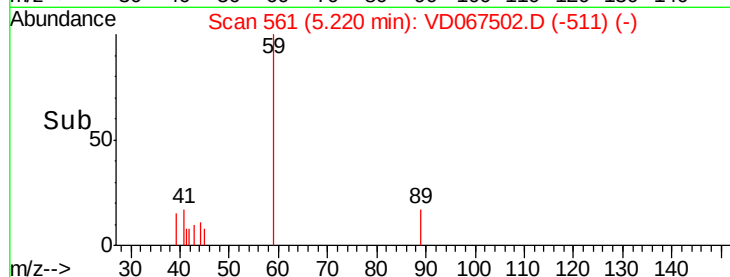
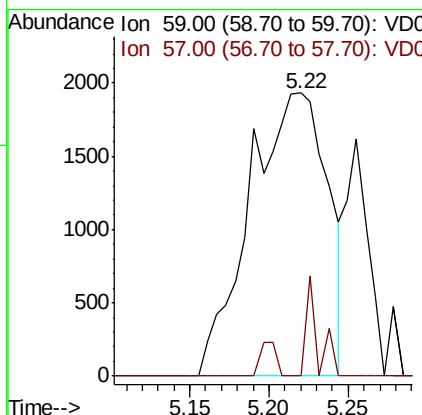
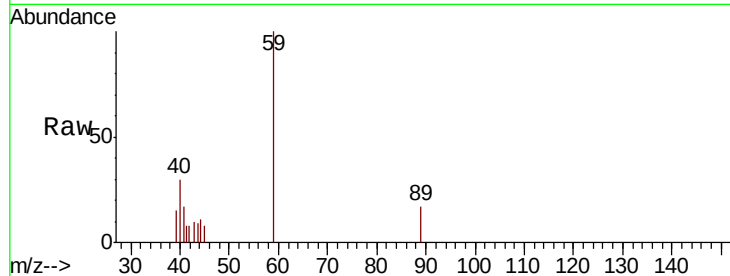




#11
Tert butyl alcohol
Concen: 46.059 ug/l
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

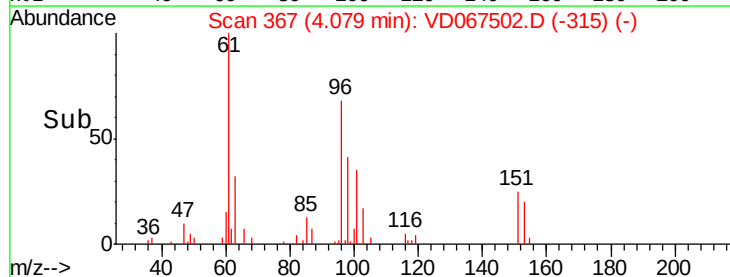
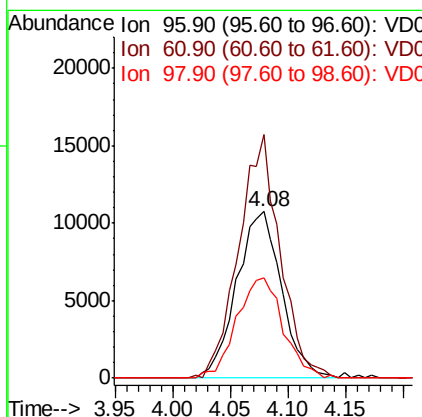
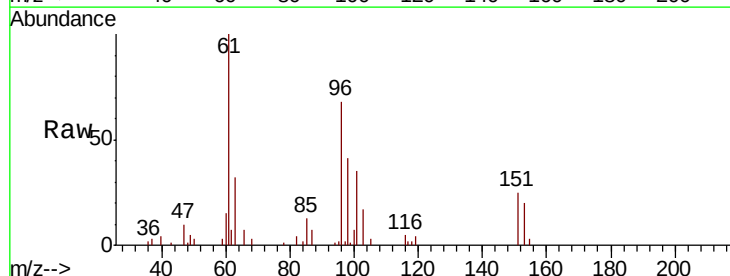
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

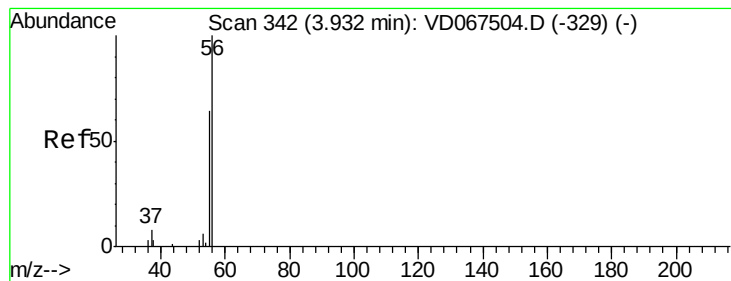
Tot Ion: 59 Resp: 6591
Ion Ratio Lower Upper
59 100
57 5.4 5.9 8.9#



#12
1,1-Dichloroethene
Concen: 10.758 ug/l
RT: 4.08 min Scan# 367
Delta R.T. 0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion: 96 Resp: 29023
Ion Ratio Lower Upper
96 100
61 146.0 114.5 171.7
98 60.2 54.5 81.7





#13

Acrolein

Concen: 34.368 ug/l

RT: 3.93 min Scan# 342

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

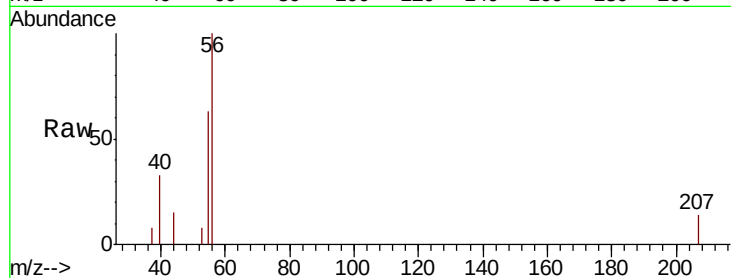
VSTDIC010

Tot Ion: 56 Resp: 3529

Ion Ratio Lower Upper

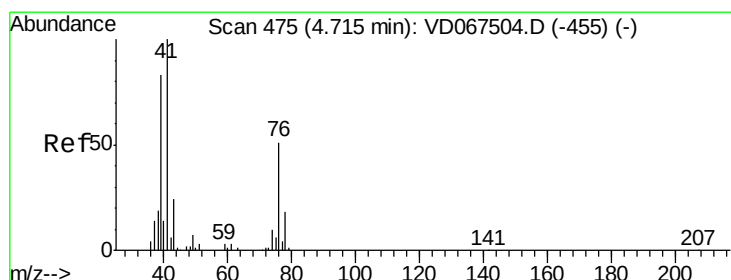
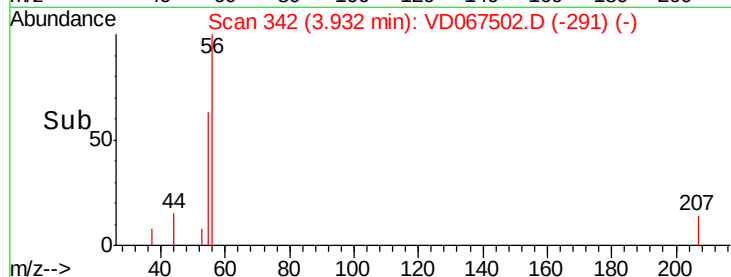
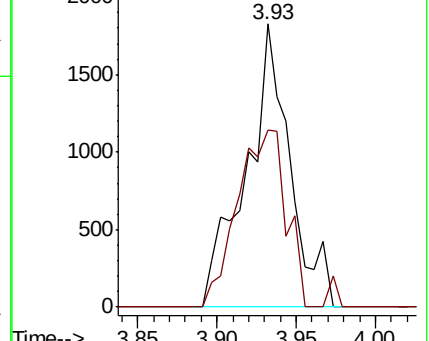
56 100

55 69.2 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 10.412 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

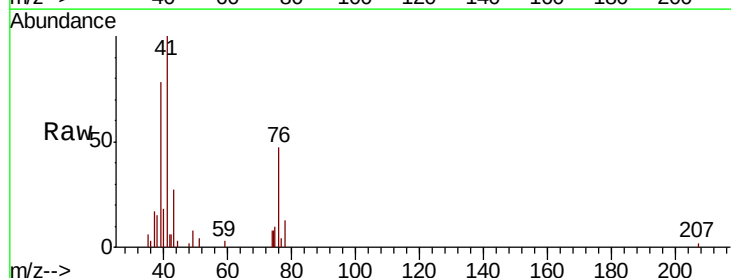
Tgt Ion: 41 Resp: 30062

Ion Ratio Lower Upper

41 100

39 79.0 67.4 101.0

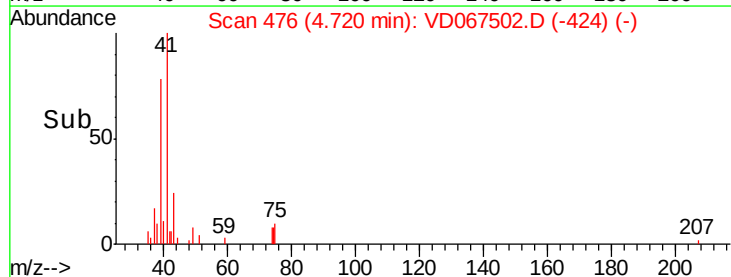
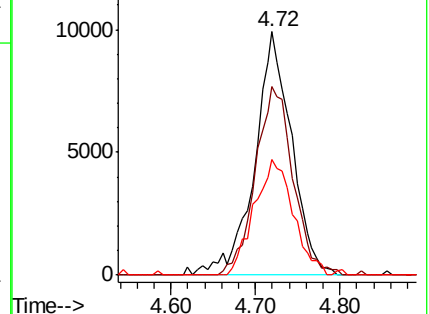
76 50.1 42.2 63.2

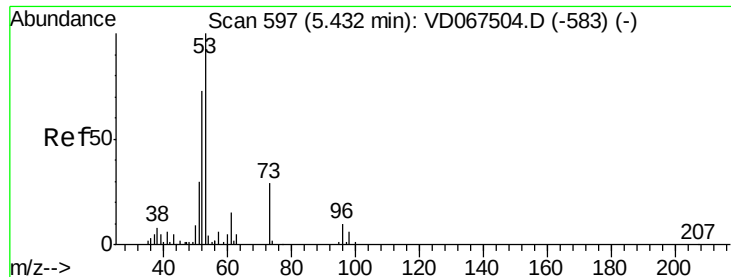


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 52.431 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

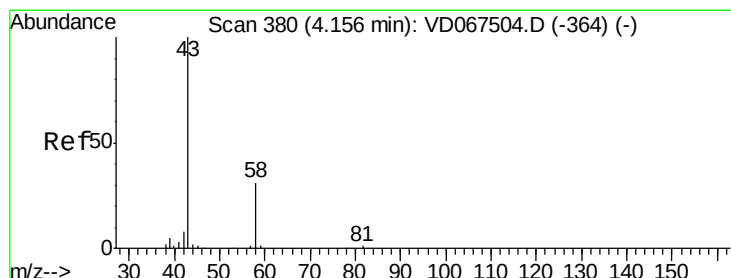
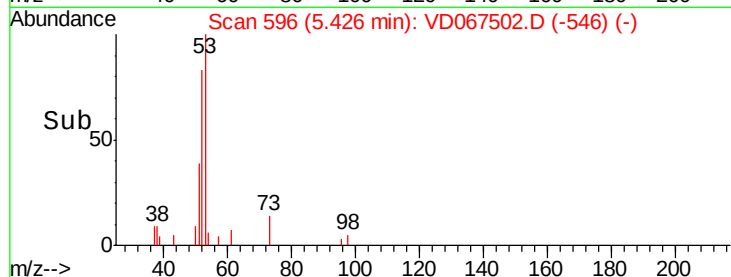
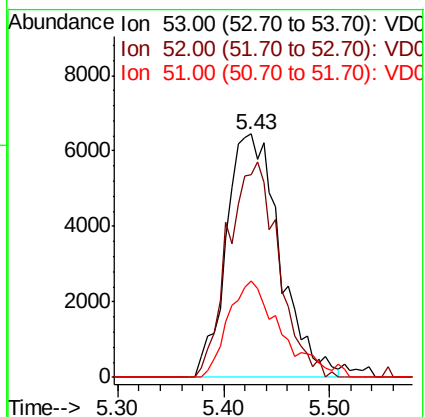
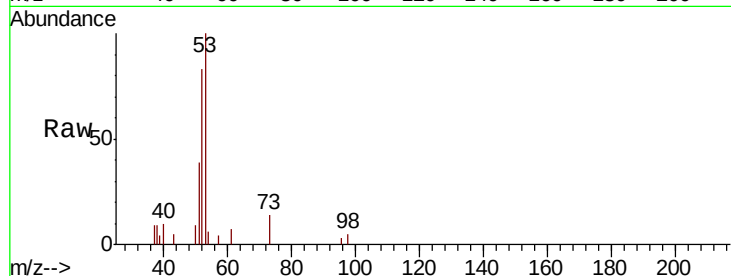
Tot Ion: 53 Resp: 22691

Ion Ratio Lower Upper

53 100

52 83.7 64.8 97.2

51 38.2 29.5 44.3



#16

Acetone

Concen: 50.856 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067502.D

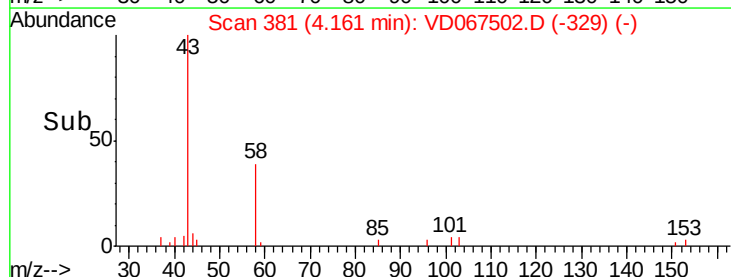
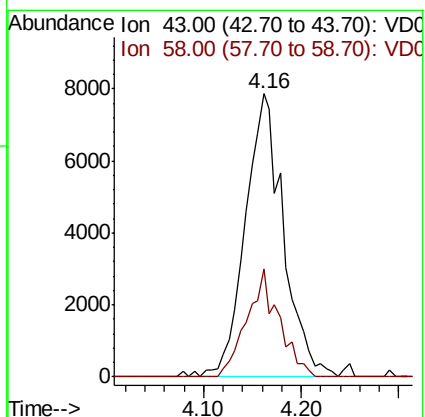
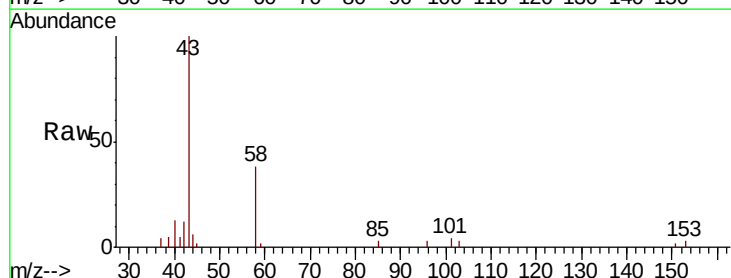
Acq: 03 Nov 2020 10:43

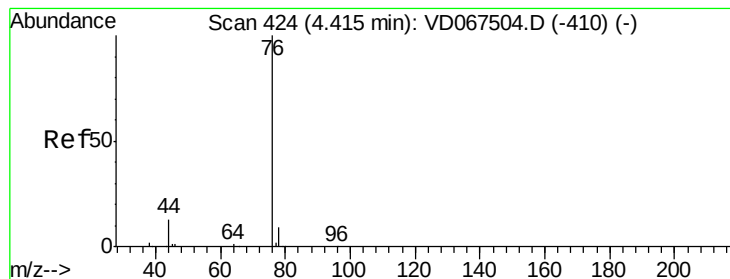
Tgt Ion: 43 Resp: 21508

Ion Ratio Lower Upper

43 100

58 38.2 25.2 37.8#





#17

Carbon Disulfide

Concen: 10.693 ug/l

RT: 4.42 min Scan# 425

Delta R.T. 0.01 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

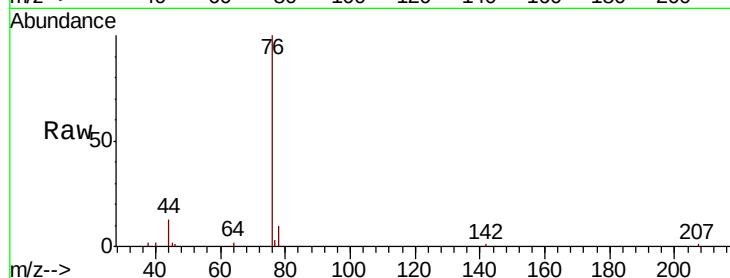
VSTDIC010

Tot Ion: 76 Resp: 88397

Ion Ratio Lower Upper

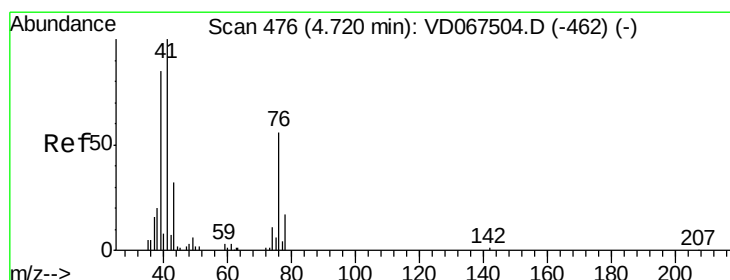
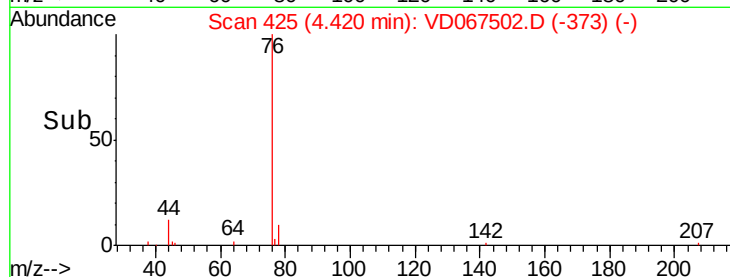
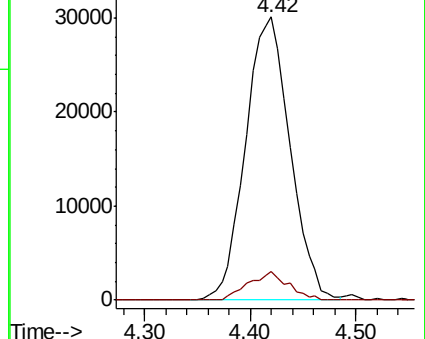
76 100

78 10.3 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 10.448 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD067502.D

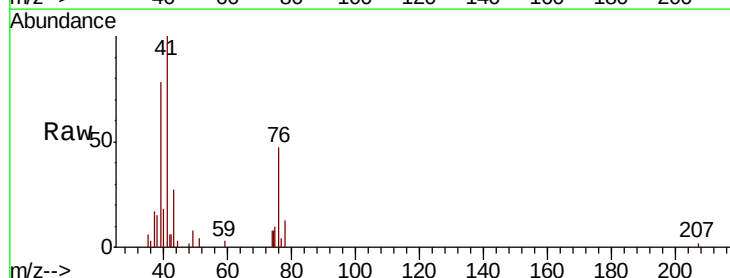
Acq: 03 Nov 2020 10:43

Tgt Ion: 43 Resp: 9131

Ion Ratio Lower Upper

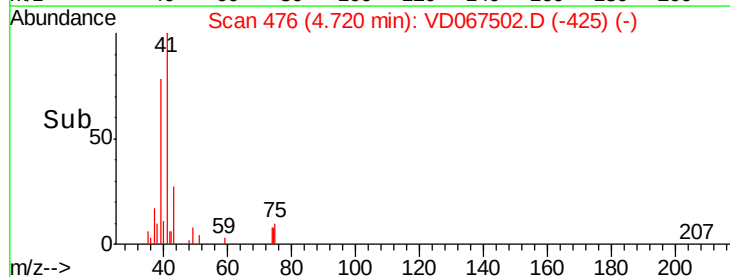
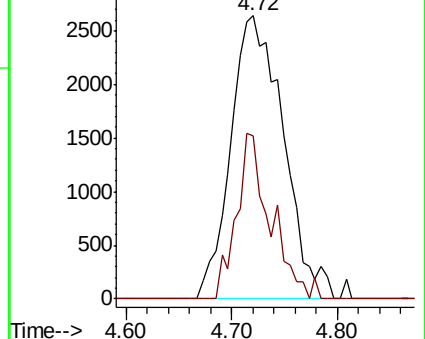
43 100

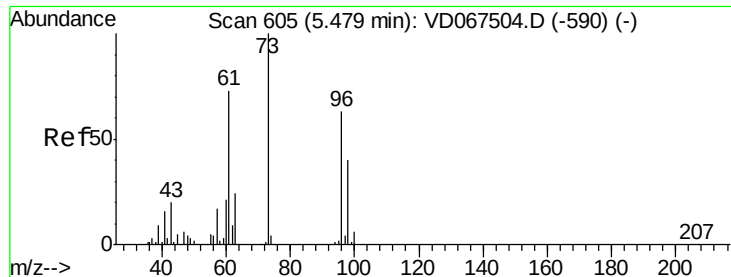
74 36.8 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

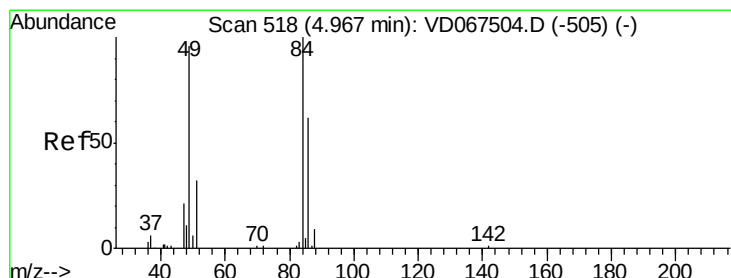
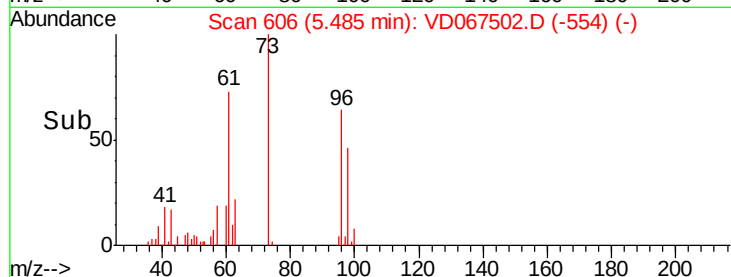
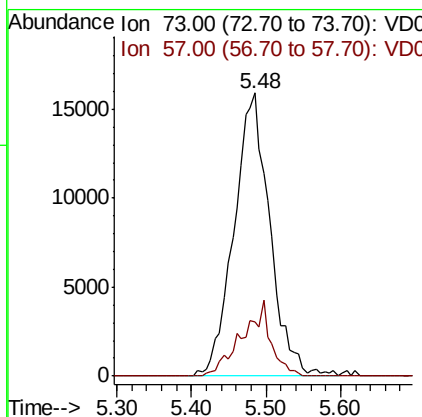
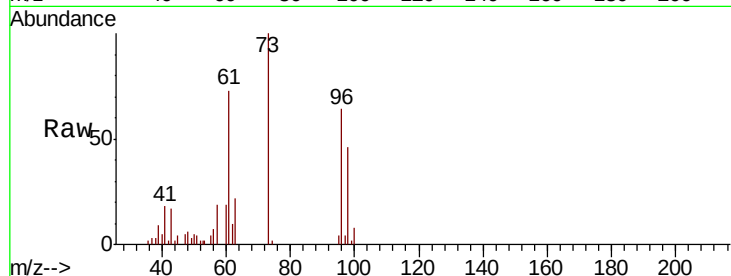




#19
Methyl tert-butyl Ether
Concen: 9.975 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

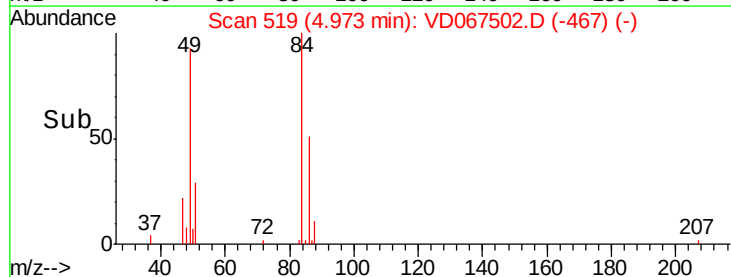
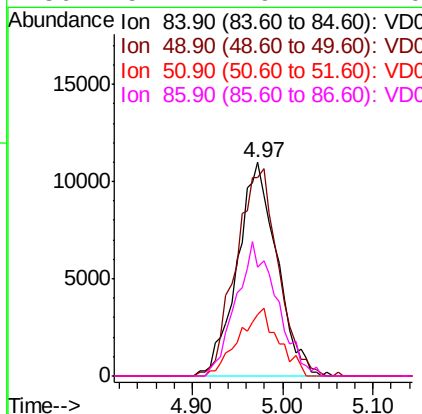
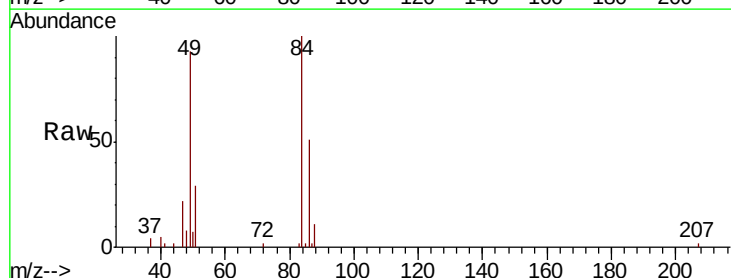
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

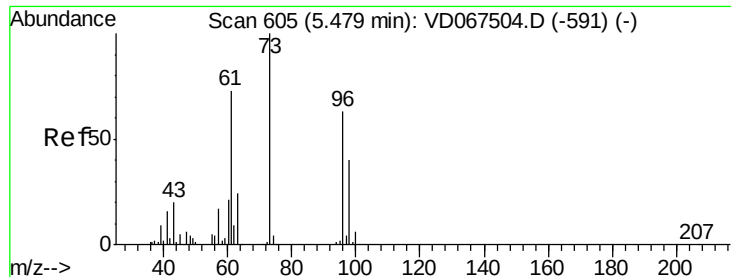
Tot Ion: 73 Resp: 53082
Ion Ratio Lower Upper
73 100
57 19.3 13.4 20.0



#20
Methylene Chloride
Concen: 11.189 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion: 84 Resp: 33428
Ion Ratio Lower Upper
84 100
49 93.1 77.0 115.4
51 29.0 25.4 38.2
86 51.1 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 10.569 ug/l

RT: 5.48 min Scan# 605

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

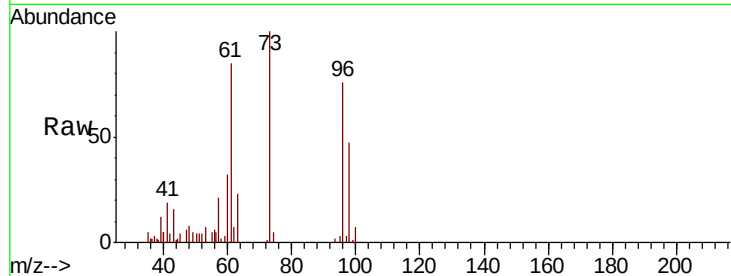
Tot Ion: 96 Resp: 33209

Ion Ratio Lower Upper

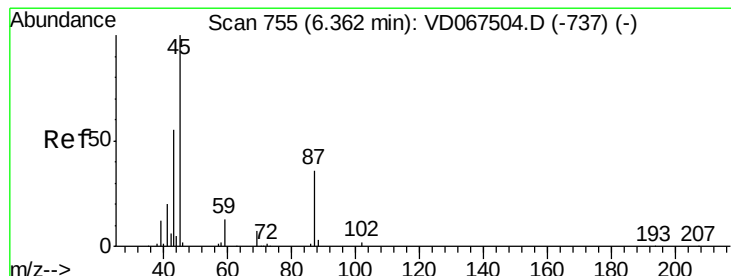
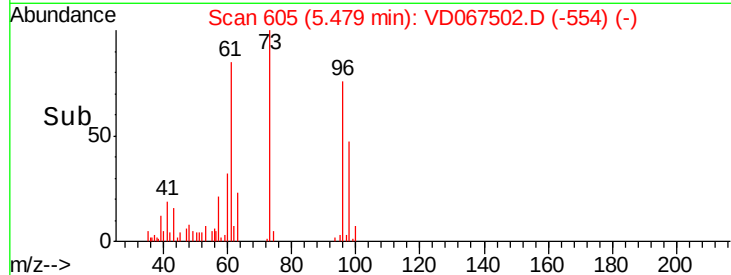
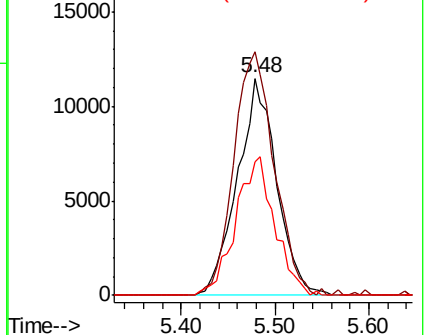
96 100

61 112.3 93.0 139.6

98 61.6 50.9 76.3



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



#22

Diisopropyl ether

Concen: 10.325 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Tgt Ion: 45 Resp: 58095

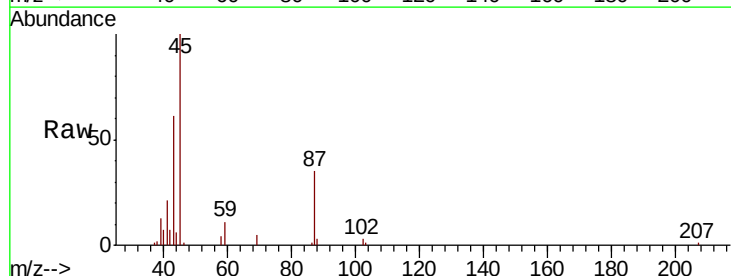
Ion Ratio Lower Upper

45 100

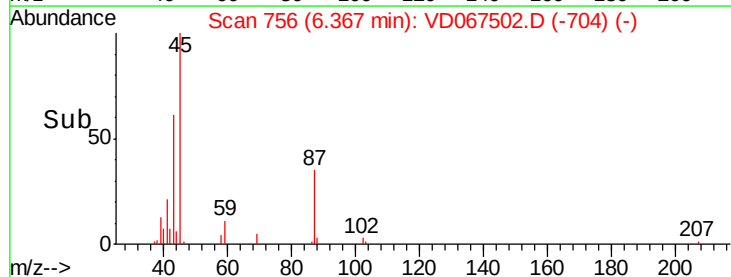
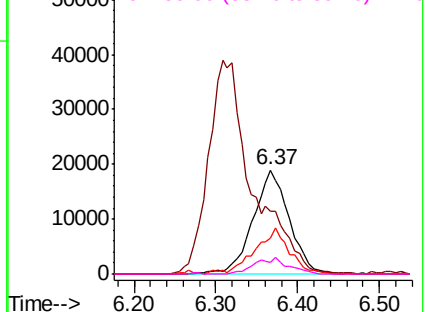
43 59.4 46.2 69.4

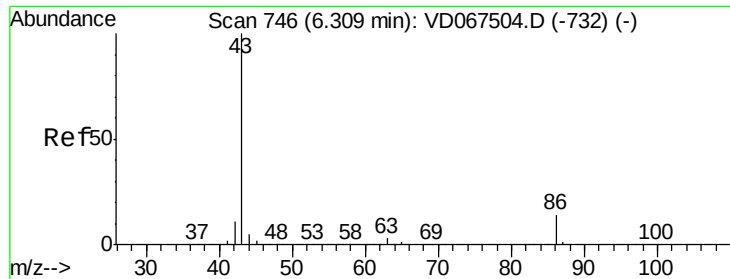
87 34.9 29.4 44.2

59 11.0 10.8 16.2



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: 49.252 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

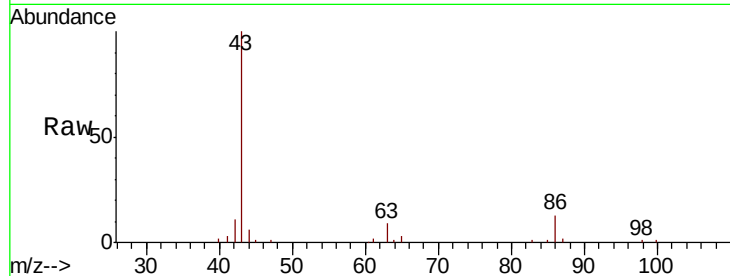
VSTDIC010

Tot Ion: 43 Resp: 145331

Ion Ratio Lower Upper

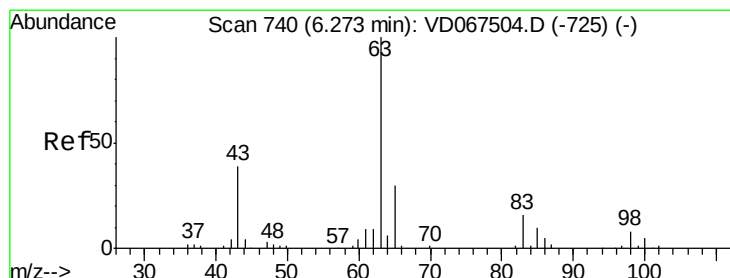
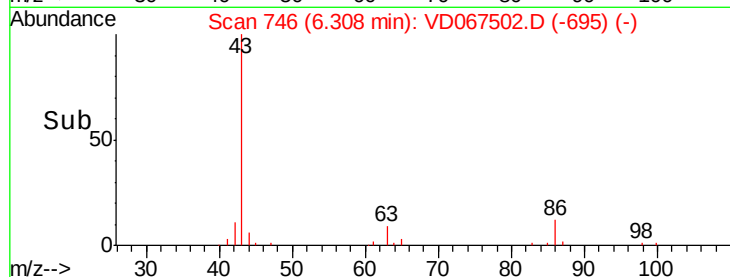
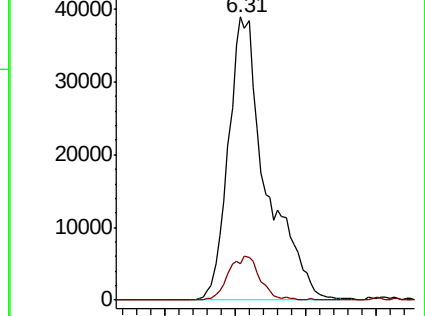
43 100

86 12.9 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 10.957 ug/l

RT: 6.27 min Scan# 740

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

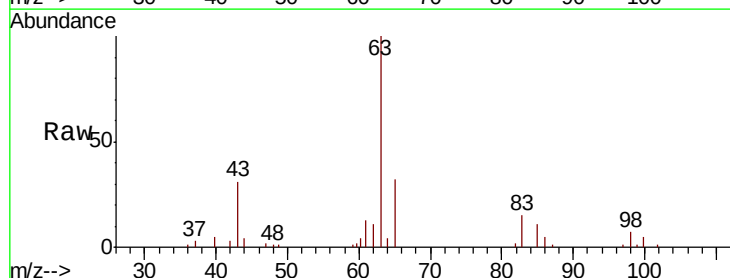
Tgt Ion: 63 Resp: 50433

Ion Ratio Lower Upper

63 100

98 6.6 3.9 11.5

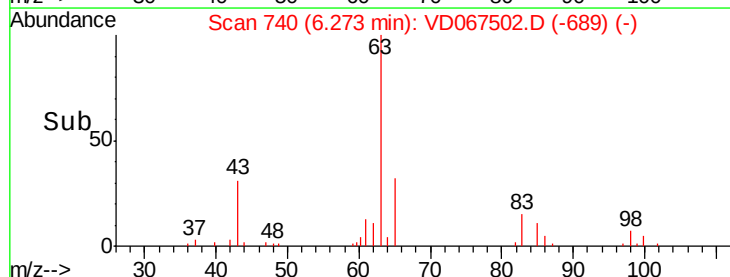
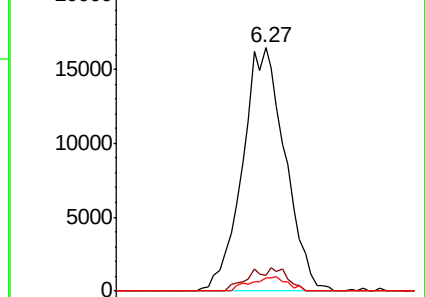
100 5.3 2.6 7.8

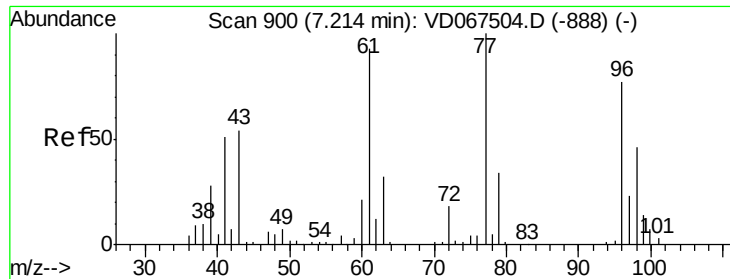


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 51.498 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

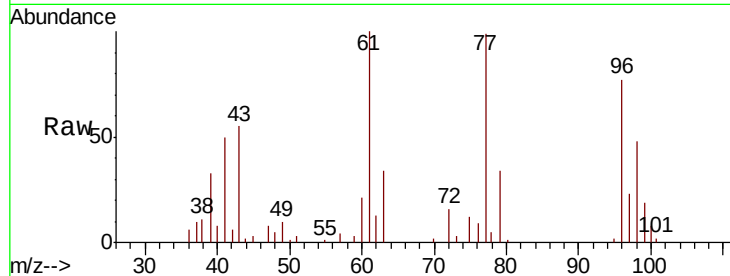
VSTDIC010

Tot Ion: 43 Resp: 23272

Ion Ratio Lower Upper

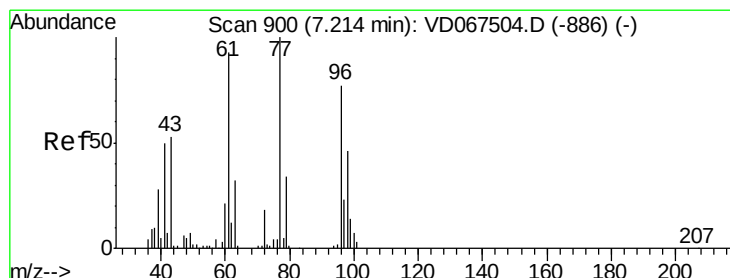
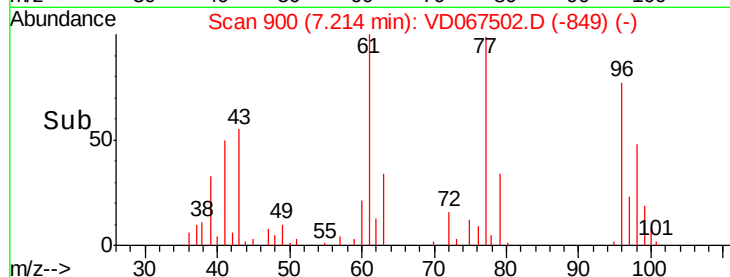
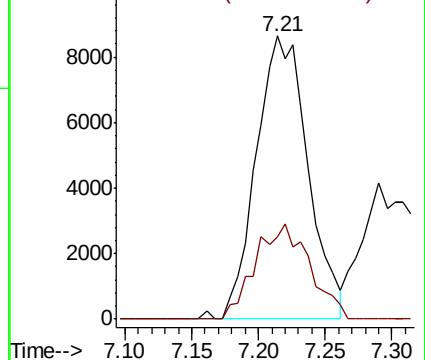
43 100

72 29.1 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 10.551 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067502.D

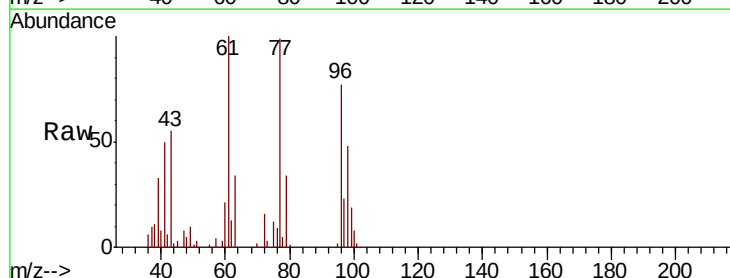
Acq: 03 Nov 2020 10:43

Tgt Ion: 77 Resp: 51254

Ion Ratio Lower Upper

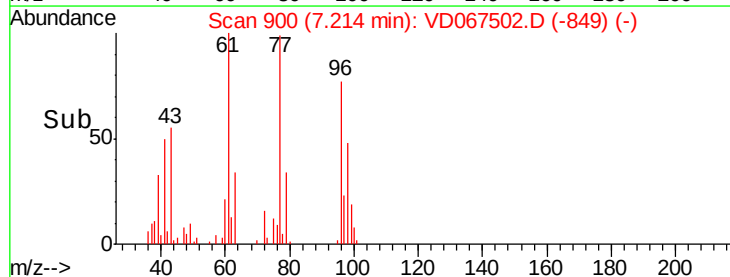
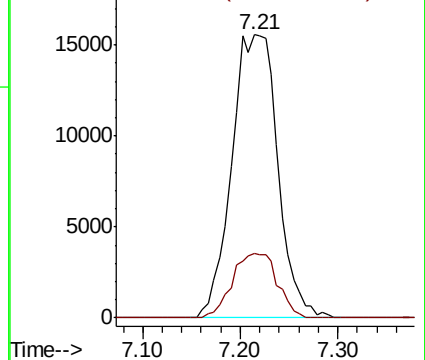
77 100

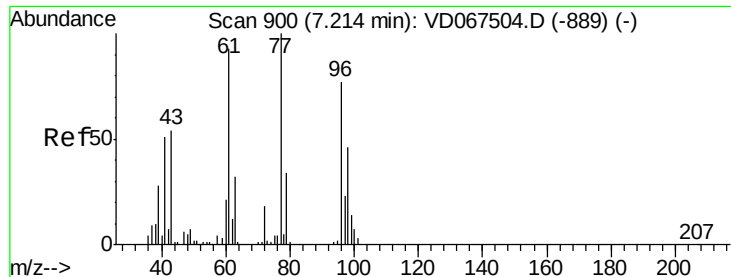
97 22.1 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



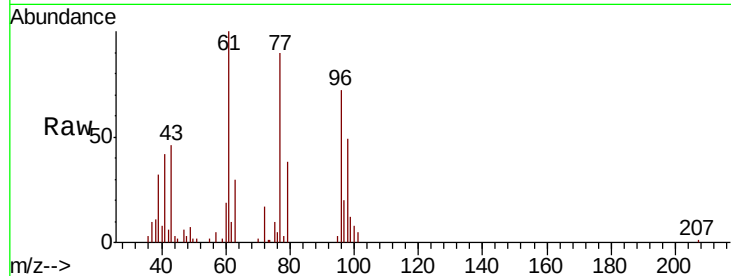


#27

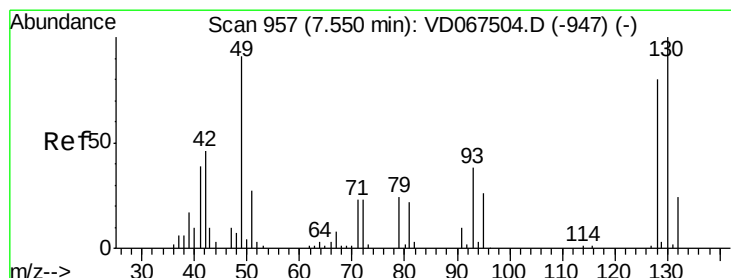
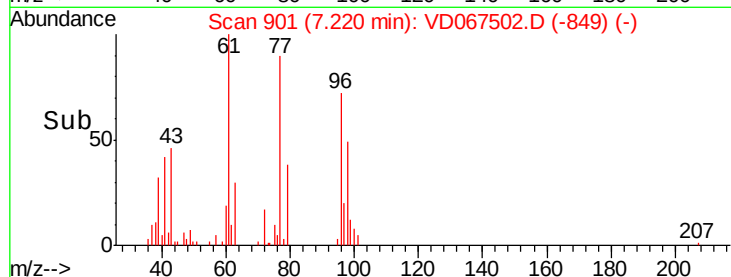
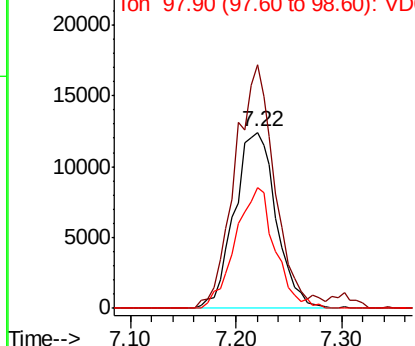
cis-1,2-Dichloroethene
Concen: 10.456 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 96 Resp: 34101
Ion Ratio Lower Upper
96 100
61 132.7 0.0 251.6
98 64.9 0.0 128.0



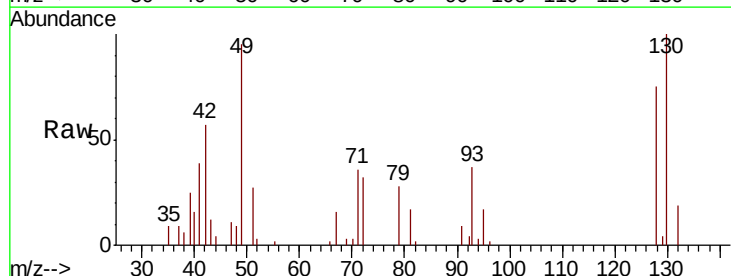
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



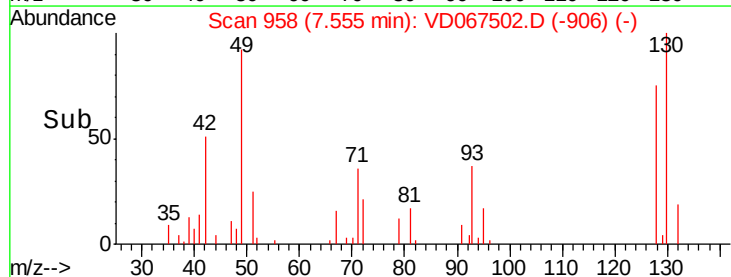
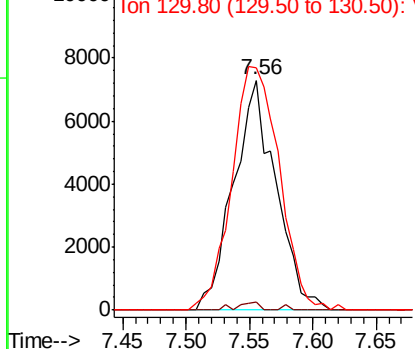
#28

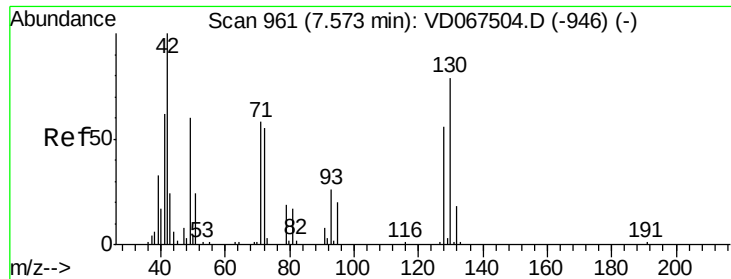
Bromochloromethane
Concen: 10.380 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion: 49 Resp: 16995
Ion Ratio Lower Upper
49 100
129 1.8 0.0 6.4
130 118.6 94.6 142.0



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

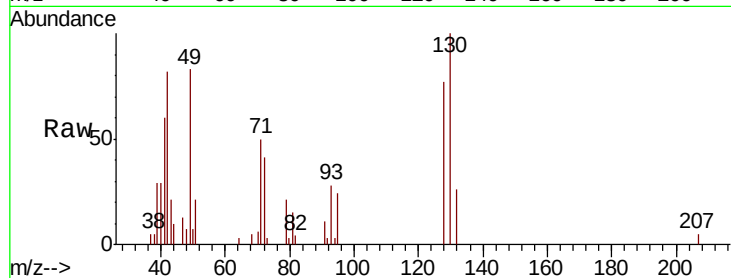




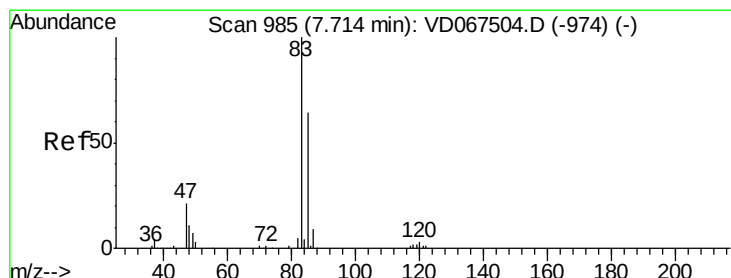
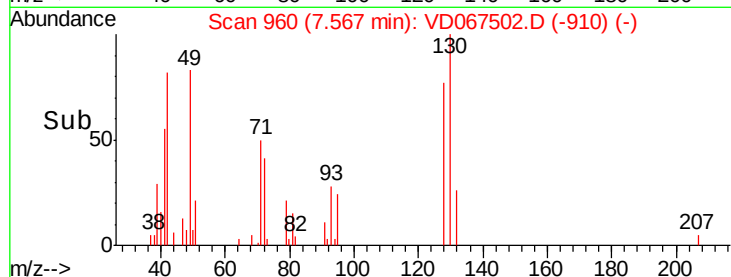
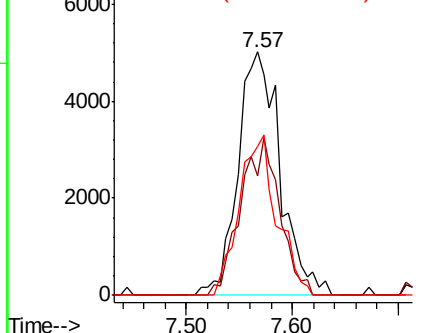
#29
Tetrahydrofuran
Concen: 51.343 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 42 Resp: 13898
Ion Ratio Lower Upper
42 100
72 60.1 46.3 69.5
71 58.9 44.0 66.0

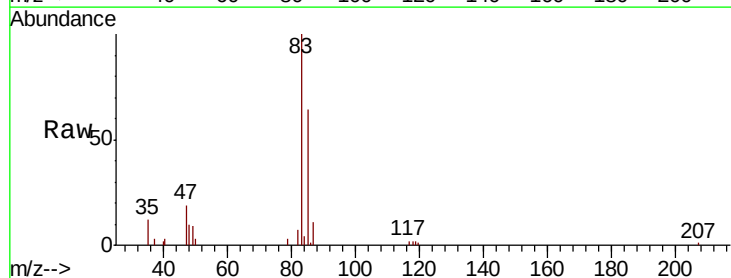


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

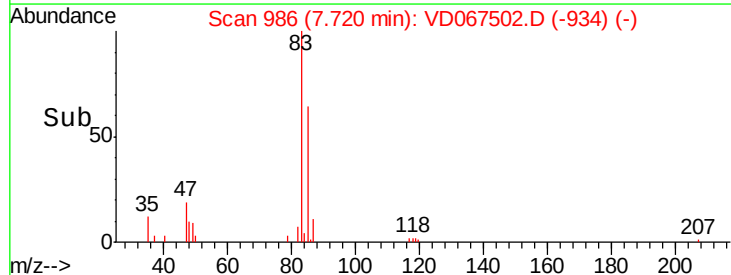
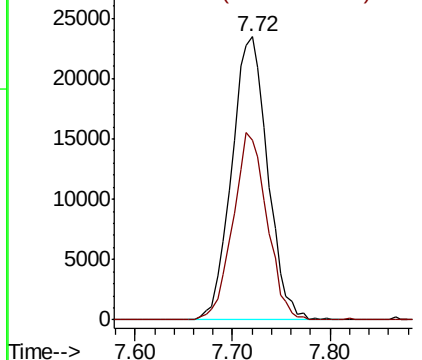


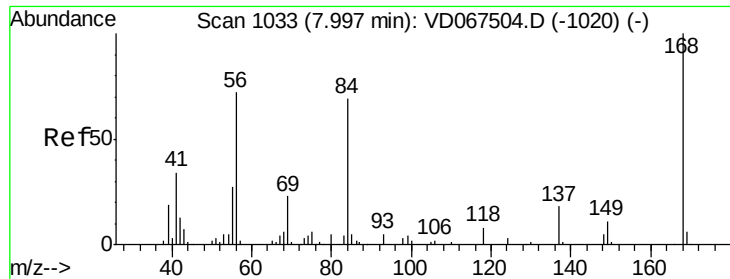
#30
Chloroform
Concen: 10.882 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion: 83 Resp: 59758
Ion Ratio Lower Upper
83 100
85 63.6 51.5 77.3



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

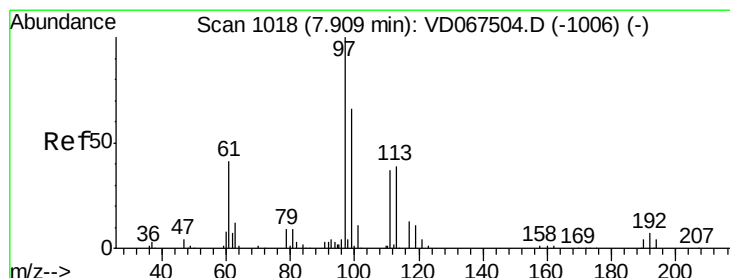
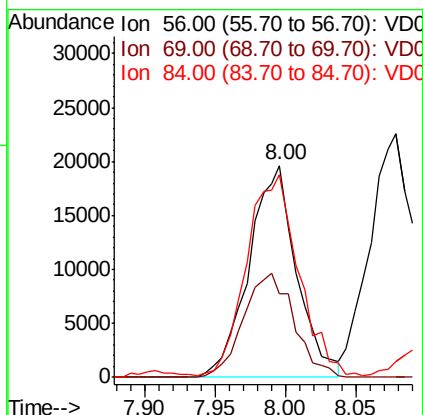
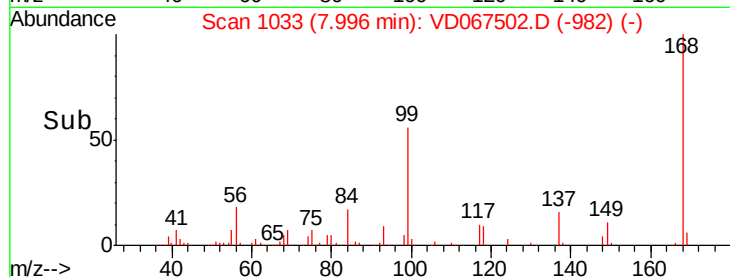
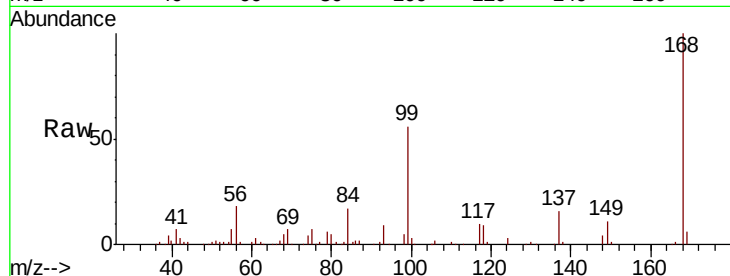




#31
Cyclohexane
Concen: 11.336 ug/l
RT: 8.00 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

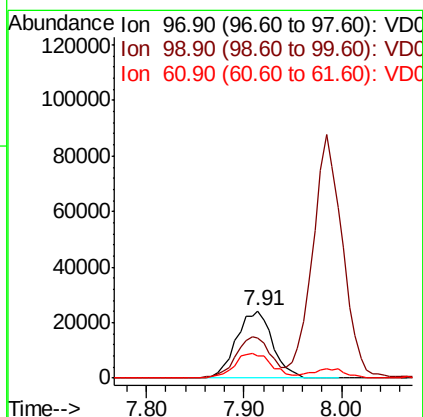
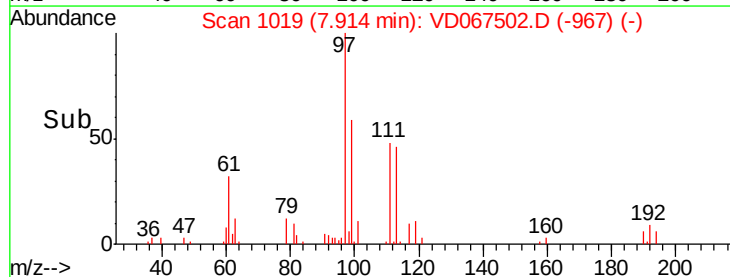
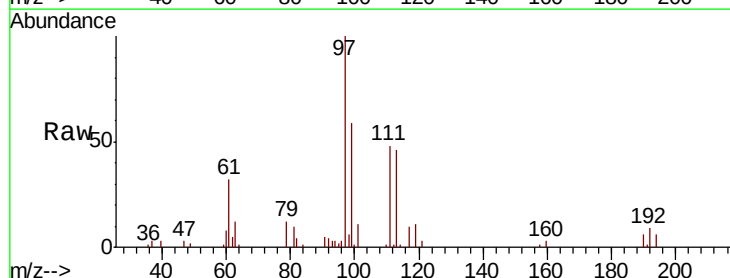
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

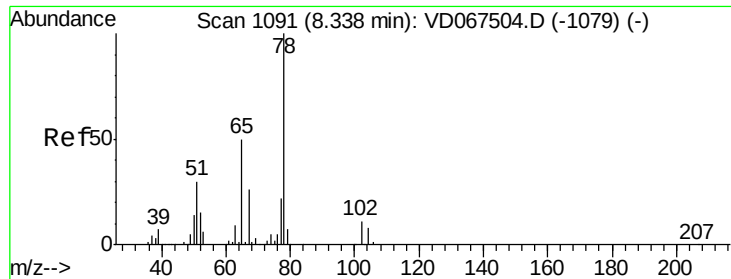
Tot Ion: 56 Resp: 46465
Ion Ratio Lower Upper
56 100
69 39.4 25.9 38.9#
84 94.0 76.2 114.4



#32
1,1,1-Trichloroethane
Concen: 11.009 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion: 97 Resp: 62375
Ion Ratio Lower Upper
97 100
99 60.4 51.8 77.6
61 38.4 30.5 45.7

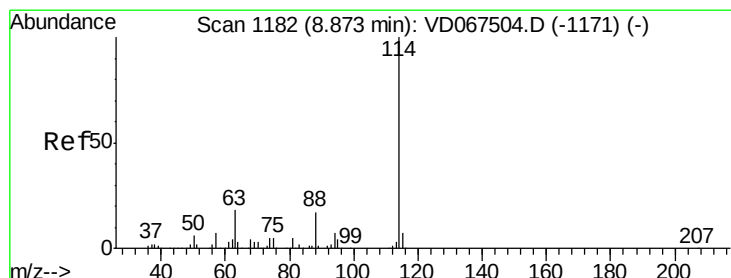
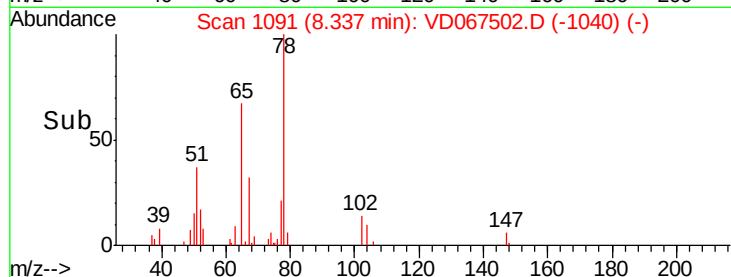
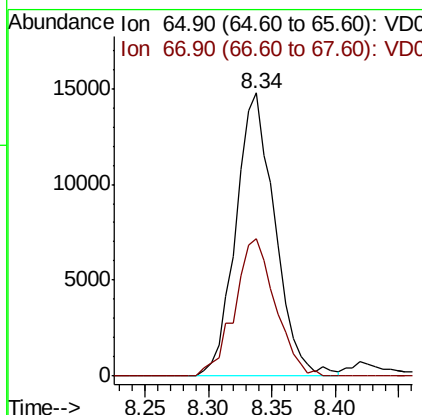
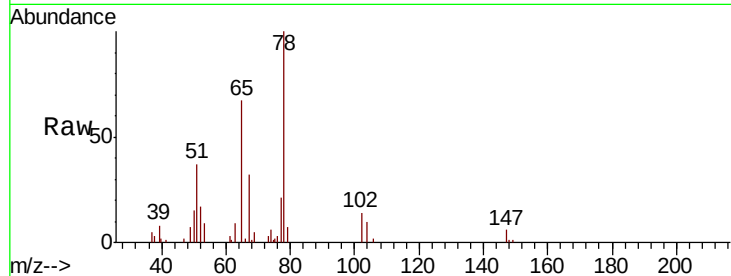




#33
 1,2-Dichloroethane-d4
 Concen: 11.175 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

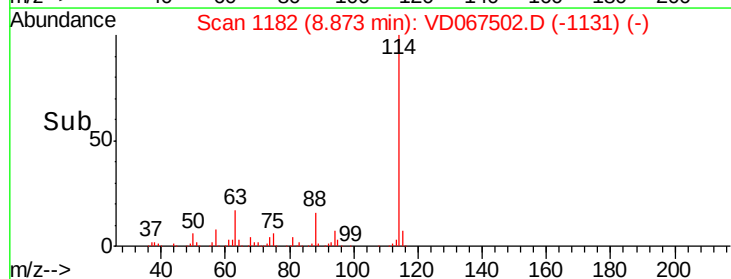
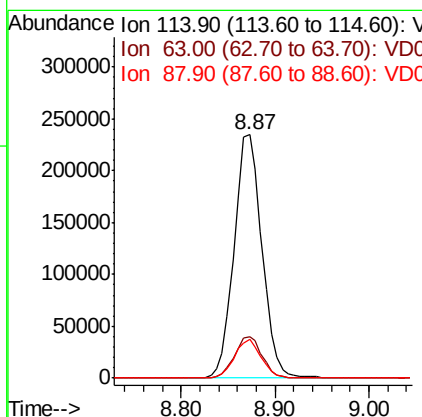
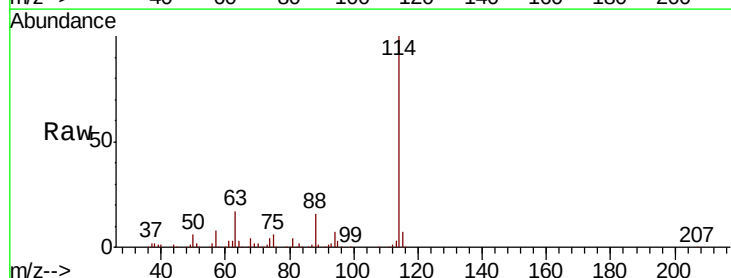
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

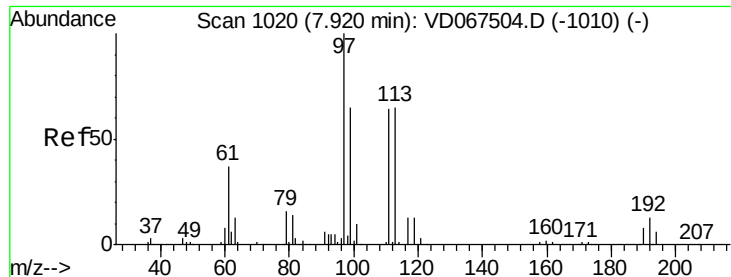
Tot Ion: 65 Resp: 31582
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Tgt Ion: 114 Resp: 482682
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 35.0
 88 16.1 0.0 33.0

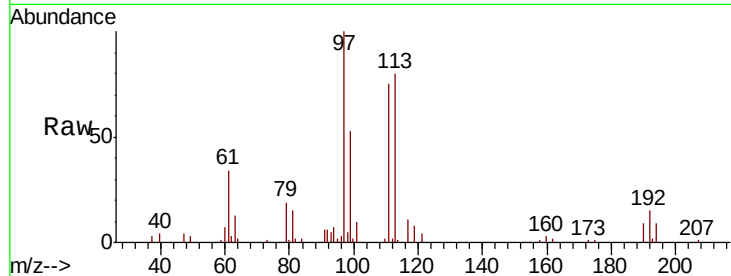




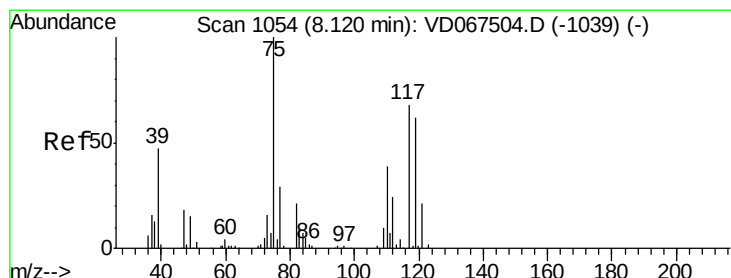
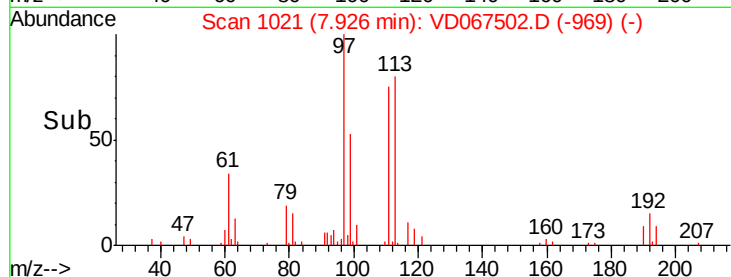
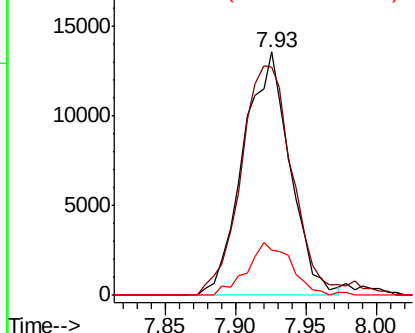
#35
 Dibromofluoromethane
 Concen: 10.861 ug/l
 RT: 7.93 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:113 Resp: 31584
 Ion Ratio Lower Upper
 113 100
 111 103.4 80.0 120.0
 192 20.2 16.3 24.5

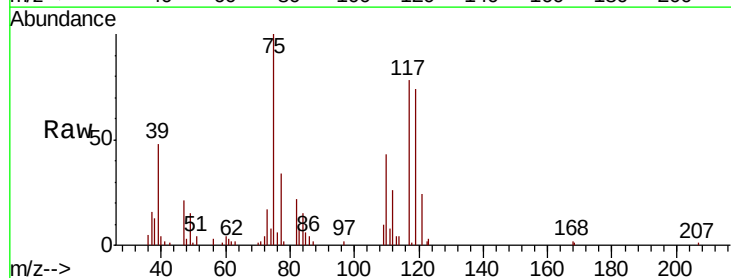


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

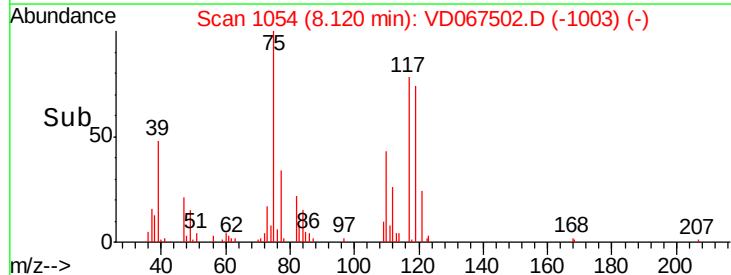
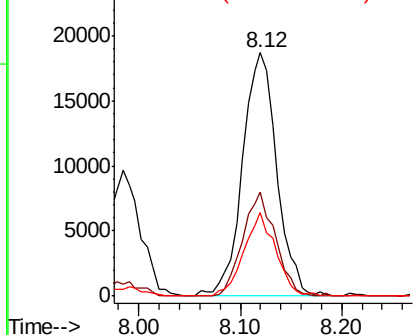


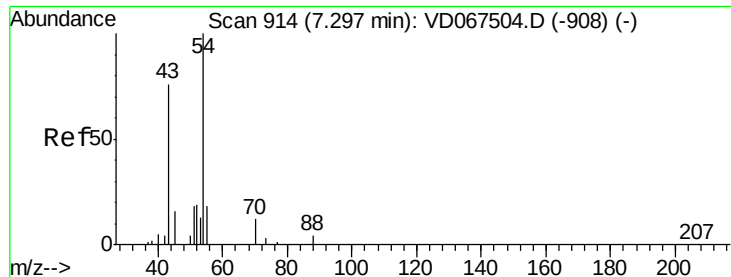
#36
 1,1-Dichloropropene
 Concen: 10.615 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Tgt Ion: 75 Resp: 43859
 Ion Ratio Lower Upper
 75 100
 110 40.6 19.9 59.7
 77 31.8 24.8 37.2



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

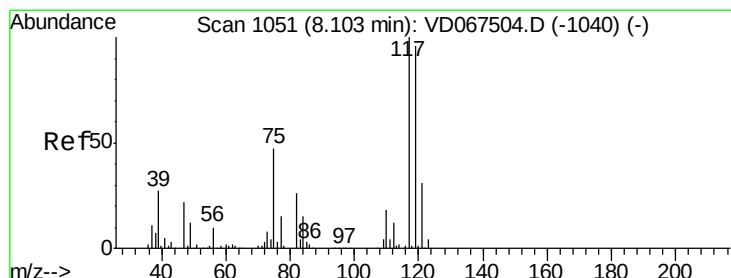
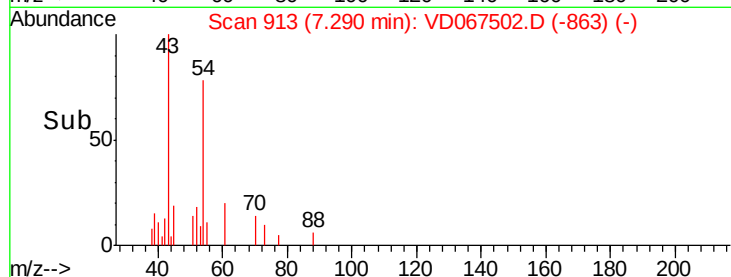
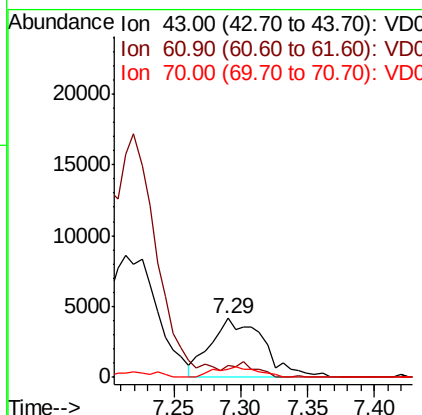
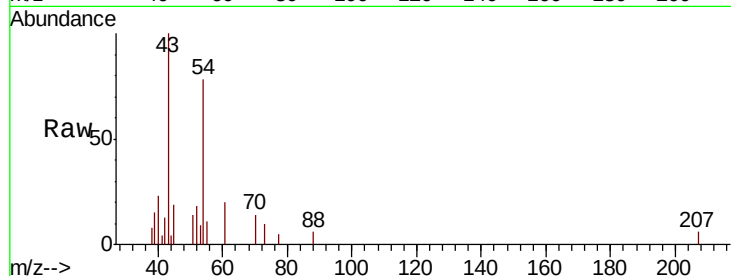




#37
Ethyl Acetate
Concen: 10.775 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

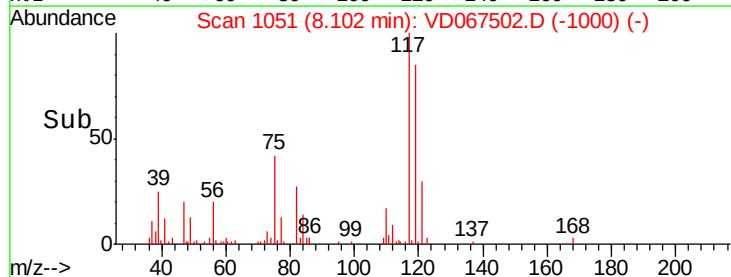
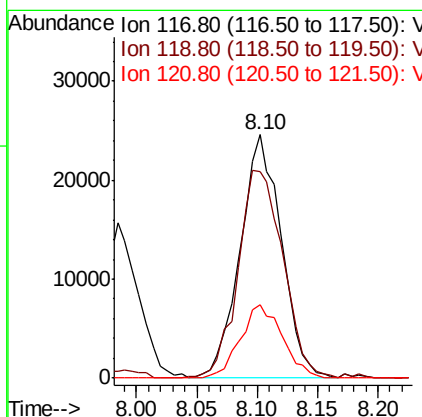
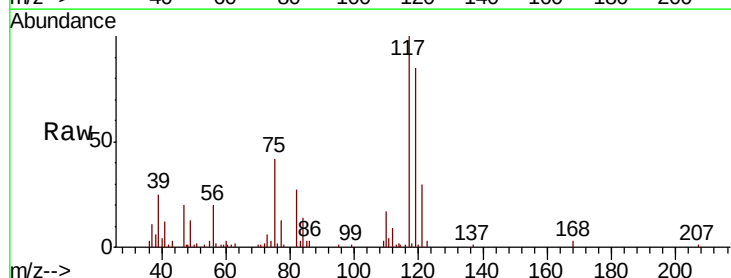
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

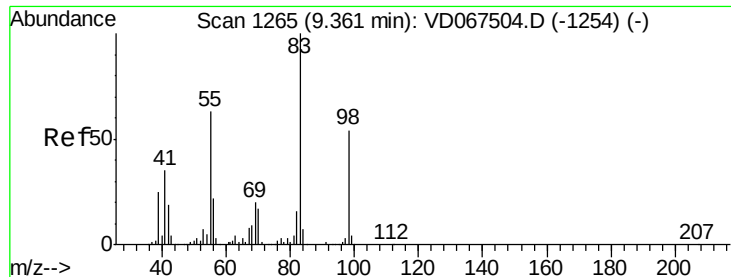
Tot Ion: 43 Resp: 11558
Ion Ratio Lower Upper
43 100
61 12.9 12.8 19.2
70 14.3 11.7 17.5



#38
Carbon Tetrachloride
Concen: 10.866 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion: 117 Resp: 58329
Ion Ratio Lower Upper
117 100
119 84.6 76.9 115.3
121 30.2 24.5 36.7

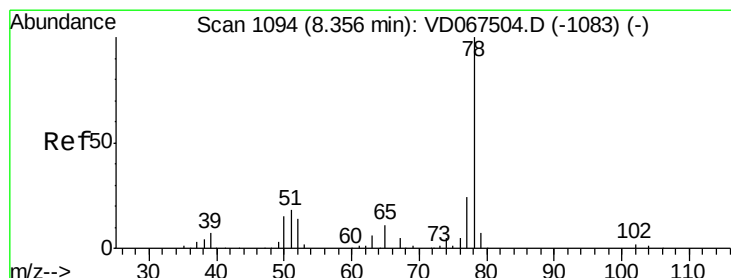
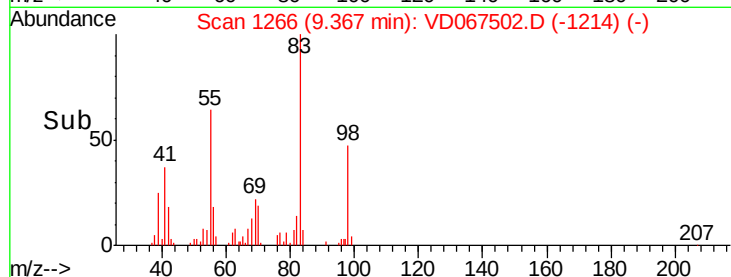
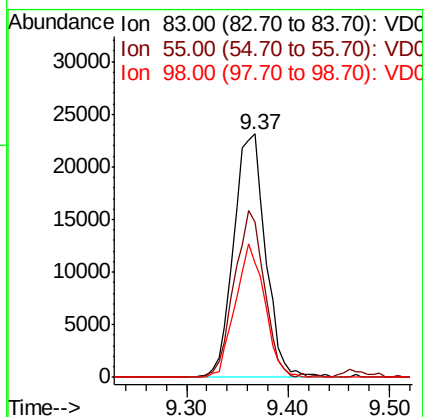
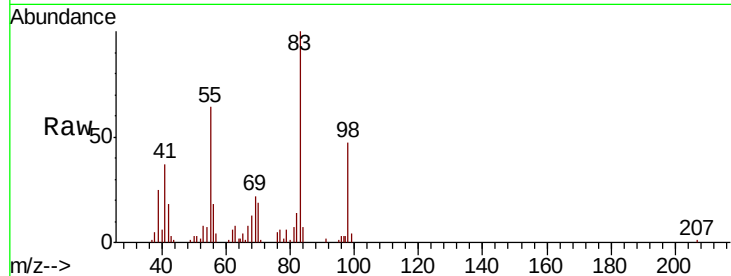




#39
Methylvlcyclohexane
Concen: 10.407 ug/l
RT: 9.37 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

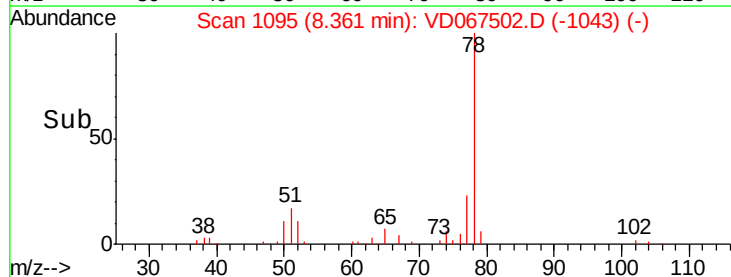
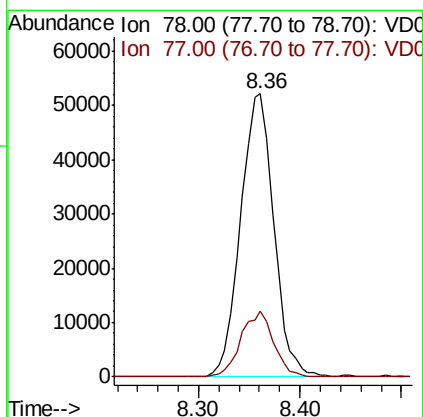
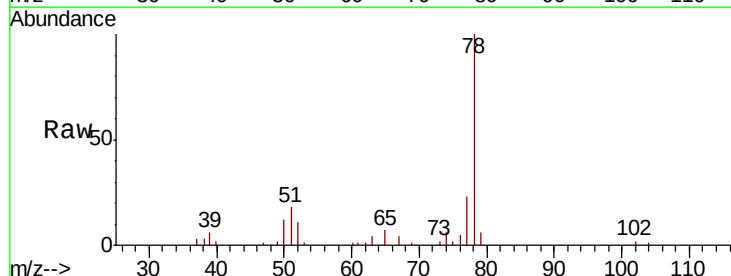
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

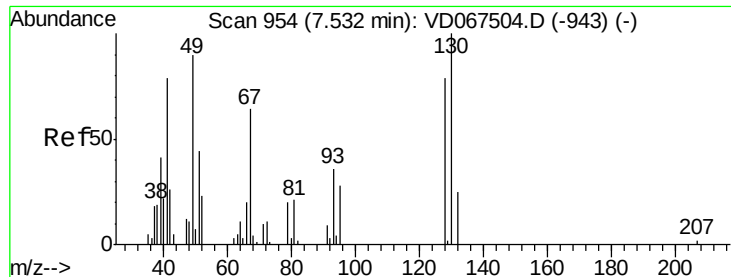
Tot Ion: 83 Resp: 50608
Ion Ratio Lower Upper
83 100
55 63.6 50.5 75.7
98 46.9 43.4 65.0



#40
Benzene
Concen: 10.631 ug/l
RT: 8.36 min Scan# 1095
Delta R.T. 0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion: 78 Resp: 118983
Ion Ratio Lower Upper
78 100
77 23.2 19.1 28.7





#41

Methacrylonitrile

Concen: 8.379 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 4521

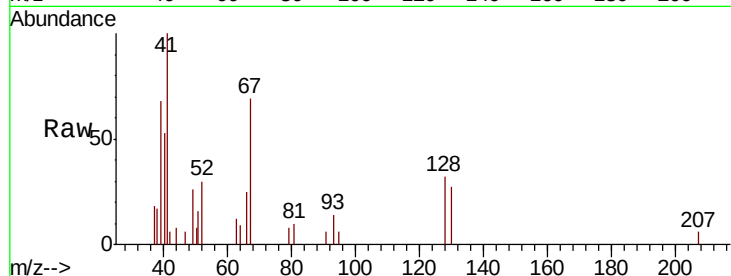
Ion Ratio Lower Upper

41 100

39 0.0 51.3 76.9#

67 0.0 78.9 118.3#

52 0.0 31.4 47.2#

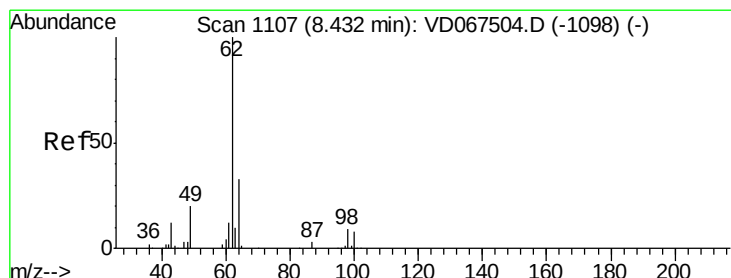
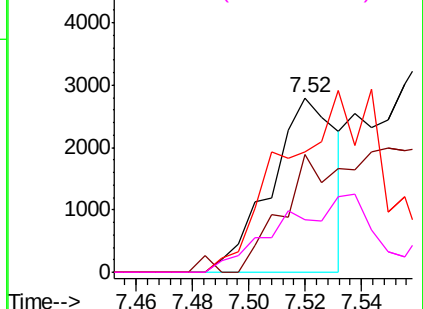
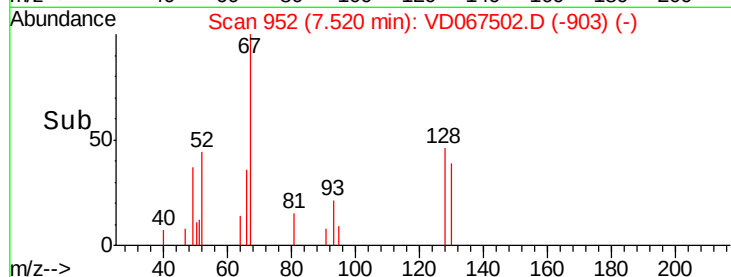


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 10.517 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD067502.D

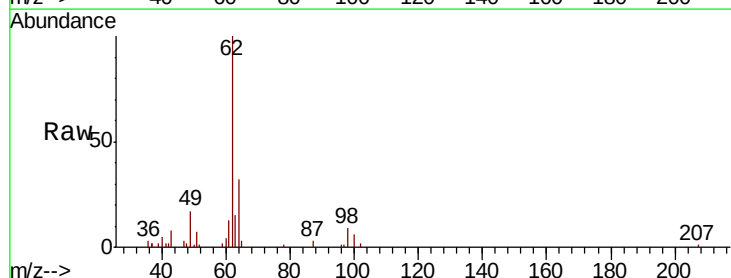
Acq: 03 Nov 2020 10:43

Tgt Ion: 62 Resp: 36366

Ion Ratio Lower Upper

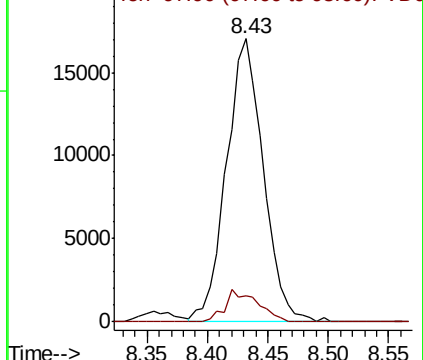
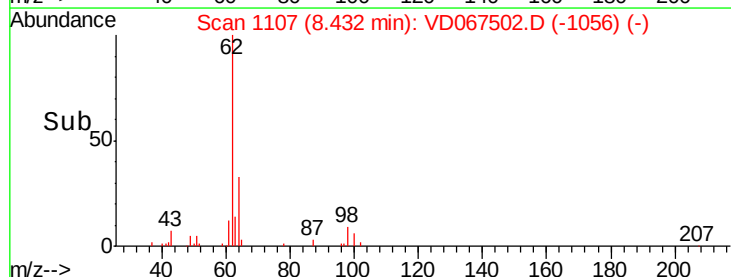
62 100

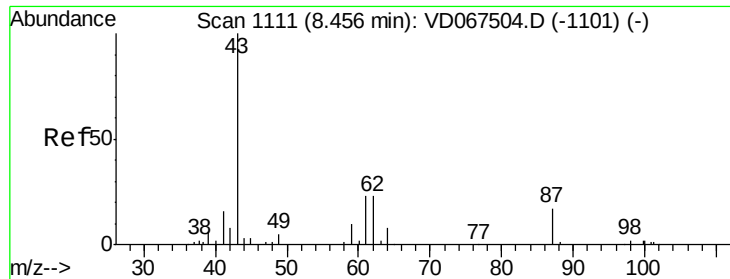
98 10.0 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 10.242 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

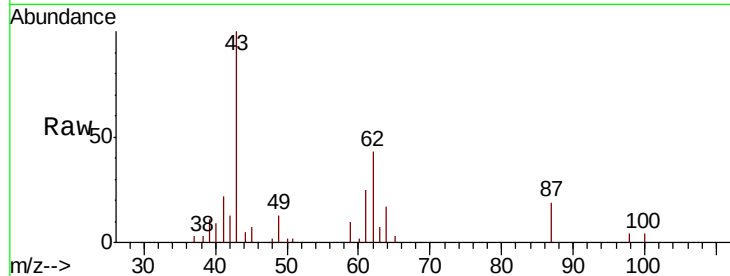
Tot Ion: 43 Resp: 21727

Ion Ratio Lower Upper

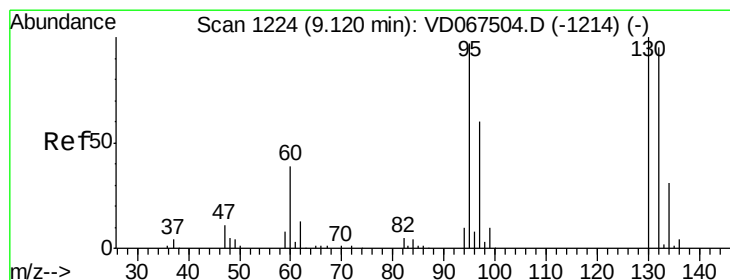
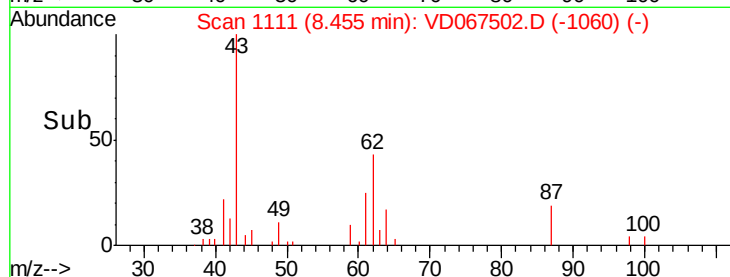
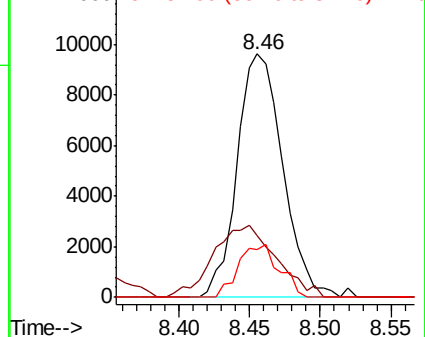
43 100

61 40.9 30.5 45.7

87 19.4 14.7 22.1



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: 10.427 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD067502.D

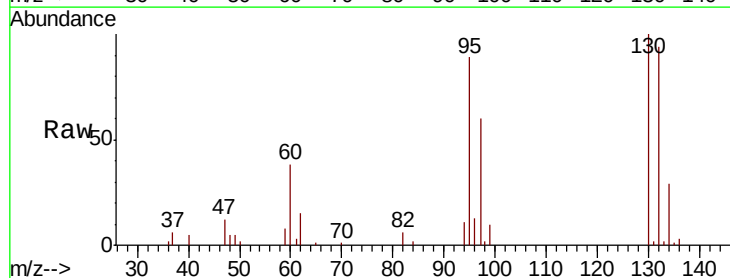
Acq: 03 Nov 2020 10:43

Tgt Ion:130 Resp: 38371

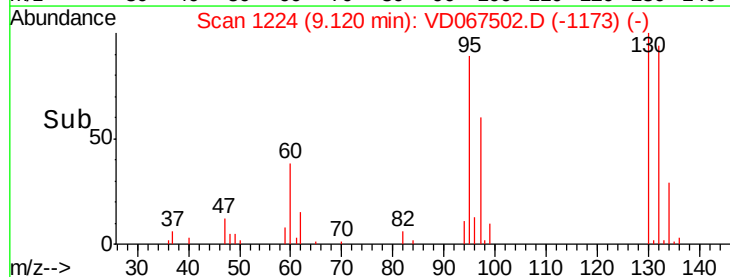
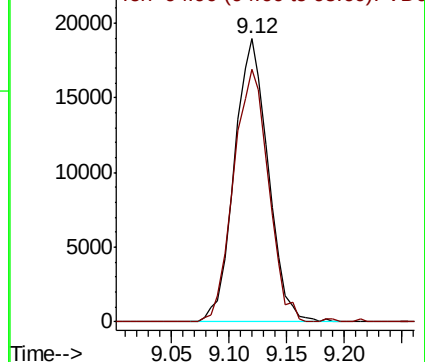
Ion Ratio Lower Upper

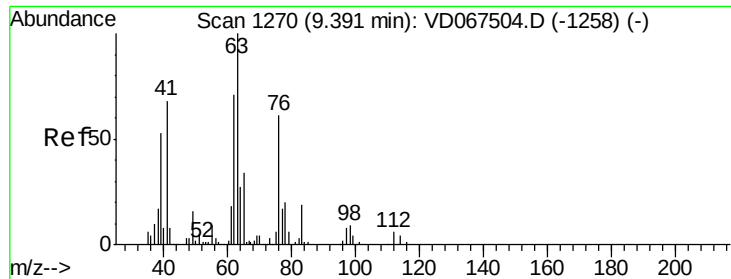
130 100

95 89.3 0.0 194.4



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

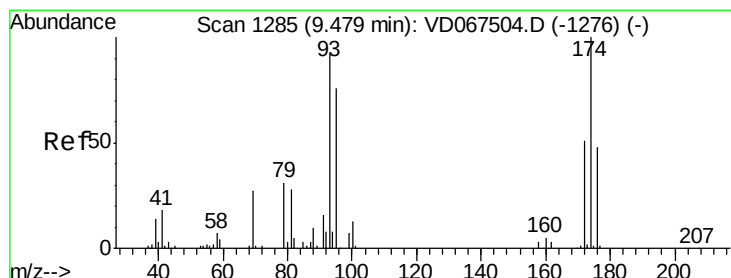
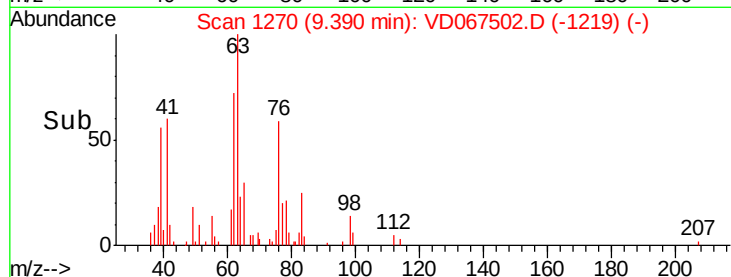
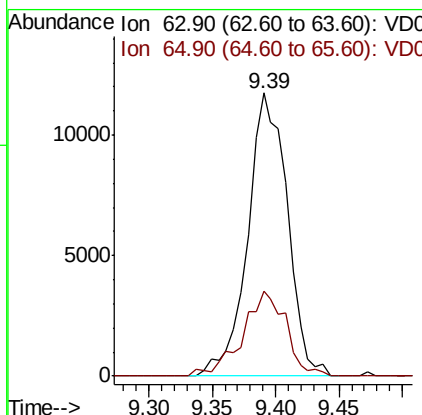
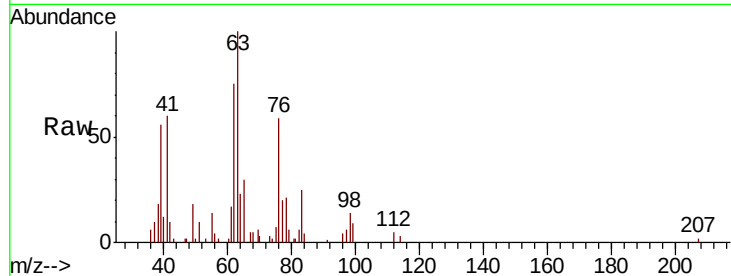




#45
 1,2-Dichloropropane
 Concen: 10.550 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

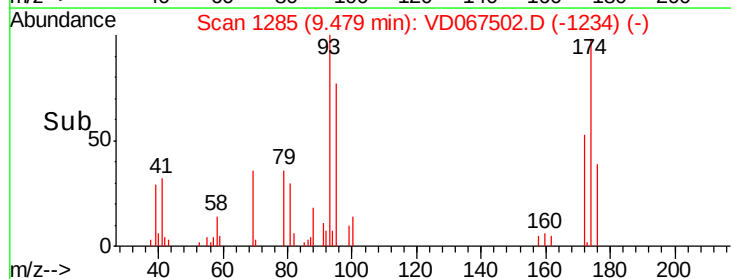
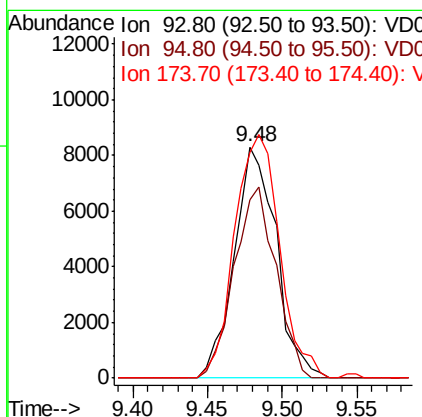
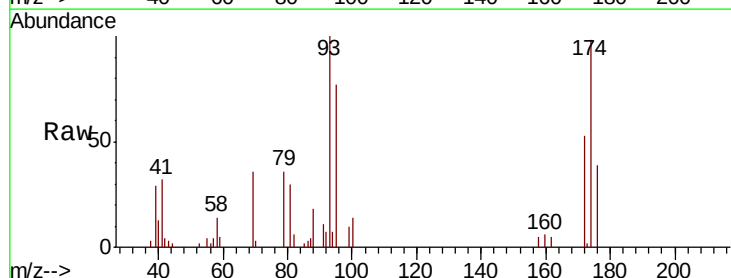
Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC010

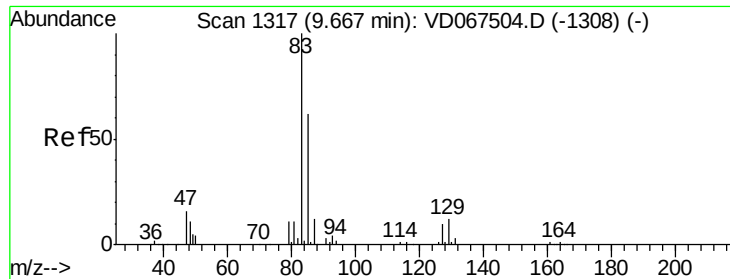
Tot Ion: 63 Resp: 25527
 Ion Ratio Lower Upper
 63 100
 65 30.2 26.9 40.3



#46
 Dibromomethane
 Concen: 10.520 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Tgt Ion: 93 Resp: 16185
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.4 99.6
 174 113.1 88.2 132.4





#47

Bromodichloromethane

Concen: 10.292 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

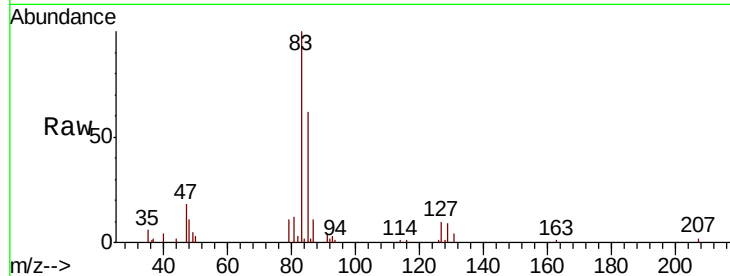
Tot Ion: 83 Resp: 43040

Ion Ratio Lower Upper

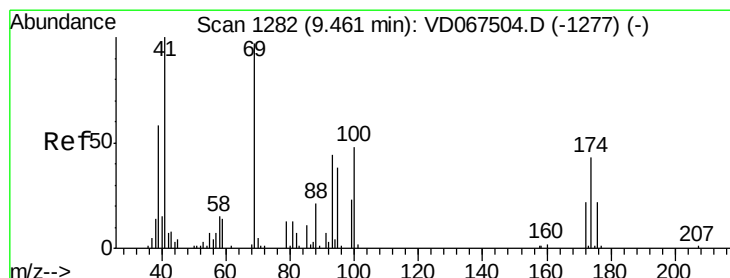
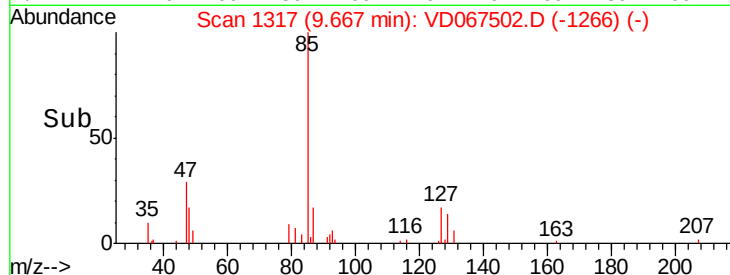
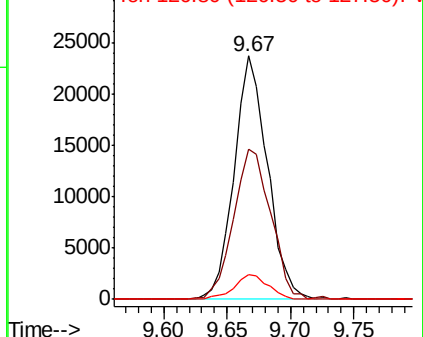
83 100

85 61.8 49.4 74.2

127 10.3 7.7 11.5



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: 9.813 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

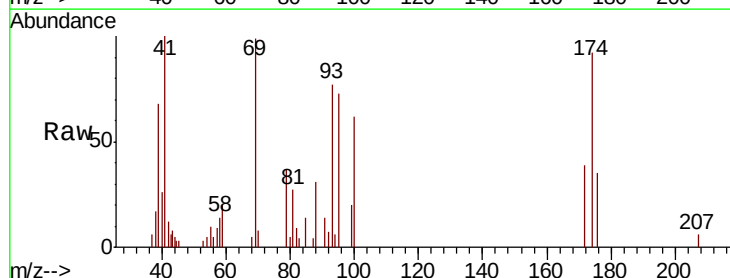
Tgt Ion: 41 Resp: 10748

Ion Ratio Lower Upper

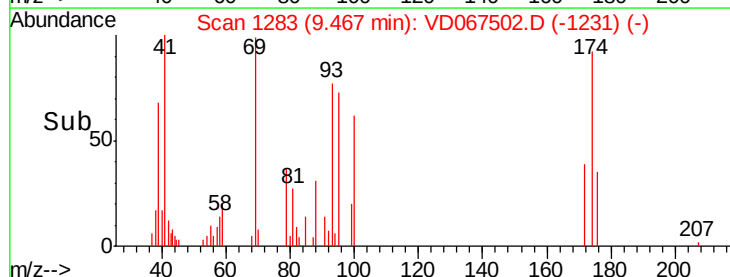
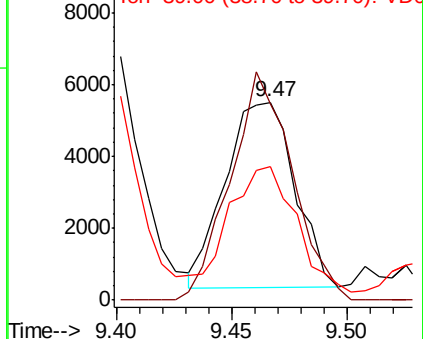
41 100

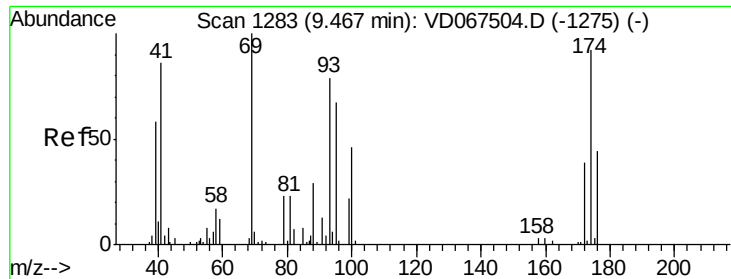
69 110.5 80.6 121.0

39 73.8 50.2 75.4



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: 239.520 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

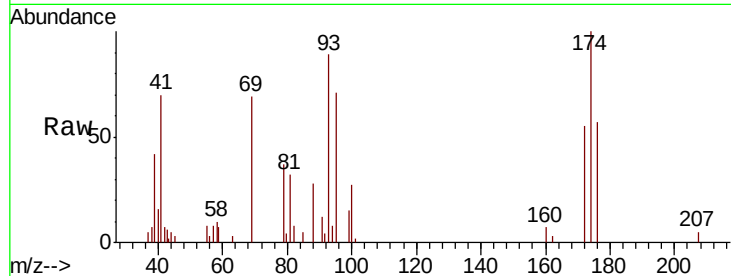
Tot Ion: 88 Resp: 3741

Ion Ratio Lower Upper

88 100

43 23.1 23.6 35.4#

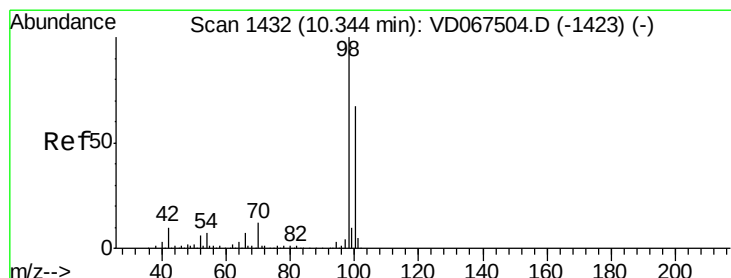
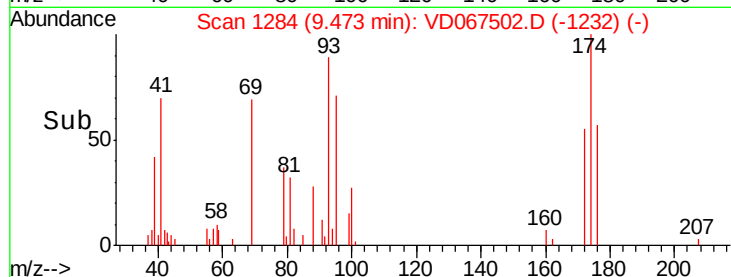
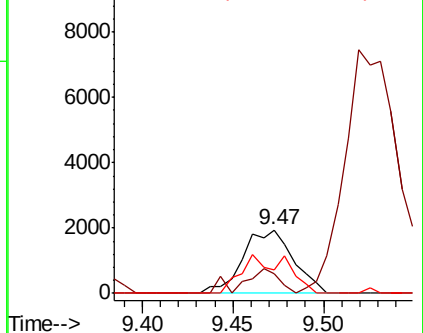
58 54.0 44.7 67.1



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: 11.285 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.01 min

Lab File: VD067502.D

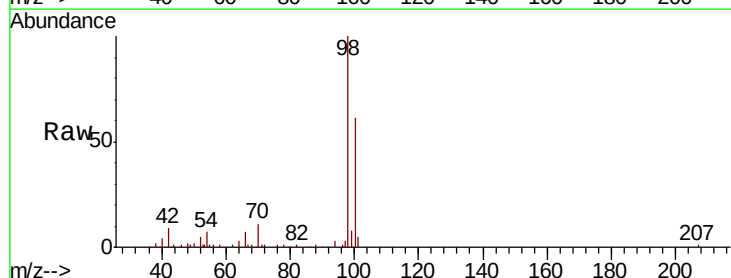
Acq: 03 Nov 2020 10:43

Tgt Ion: 98 Resp: 115335

Ion Ratio Lower Upper

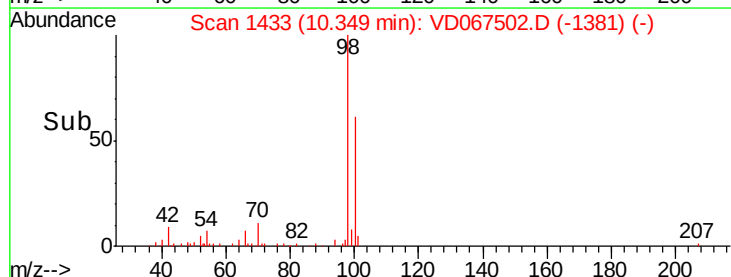
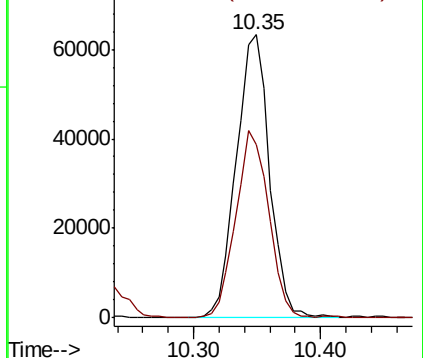
98 100

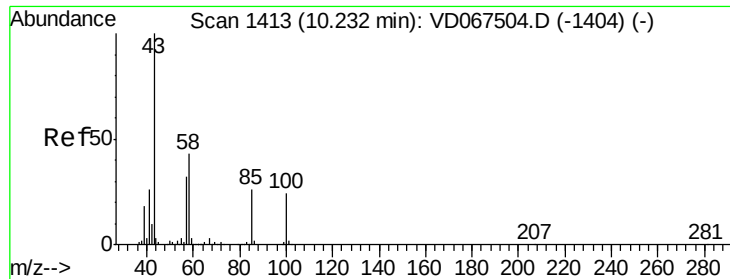
100 65.6 53.0 79.6



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: 50.684 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

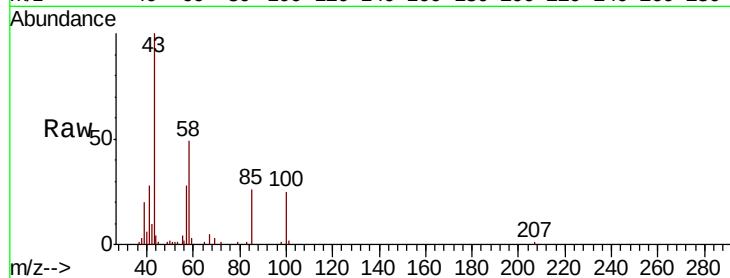
VSTDIC010

Tot Ion: 43 Resp: 51422

Ion Ratio Lower Upper

43 100

58 46.3 35.6 53.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.24

25000

20000

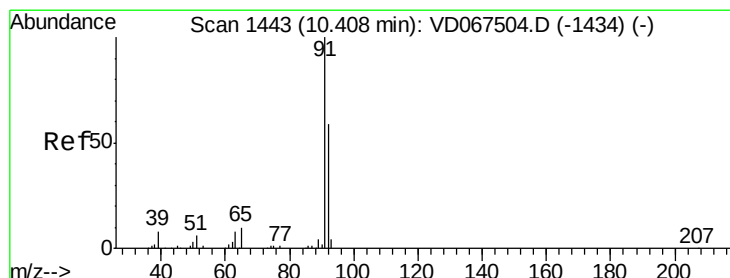
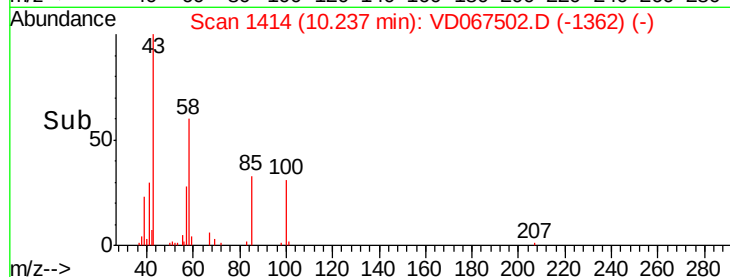
15000

10000

5000

0

Time--> 10.15 10.20 10.25 10.30



#52

Toluene

Concen: 10.292 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067502.D

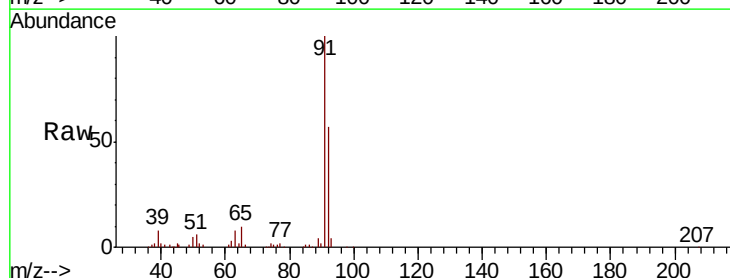
Acq: 03 Nov 2020 10:43

Tgt Ion: 92 Resp: 77150

Ion Ratio Lower Upper

92 100

91 176.2 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

80000

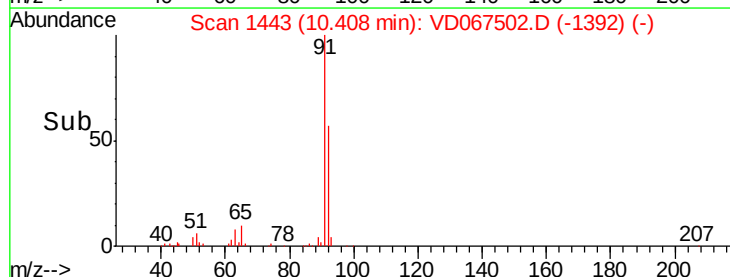
60000

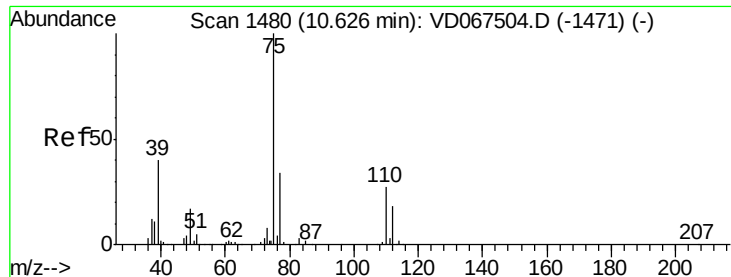
40000

20000

0

Time--> 10.40 10.50





#53

t-1,3-Dichloropropene

Concen: 10.181 ug/l

RT: 10.63 min Scan# 1481

Delta R.T. 0.01 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

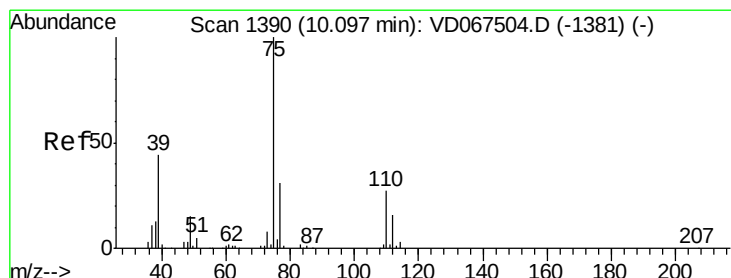
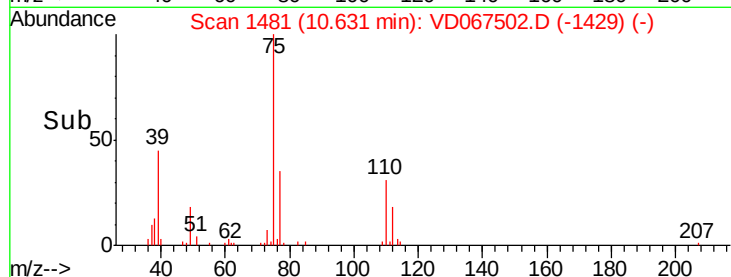
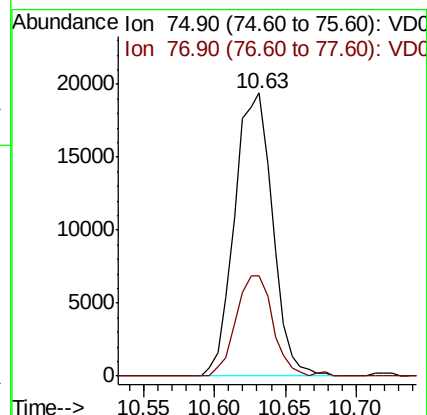
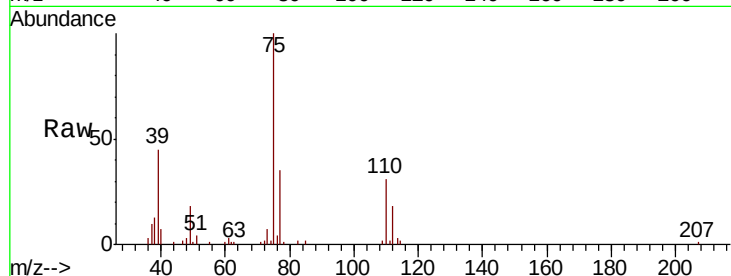
VSTDIC010

Tot Ion: 75 Resp: 36462

Ion Ratio Lower Upper

75 100

77 35.4 27.0 40.6



#54

cis-1,3-Dichloropropene

Concen: 10.421 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

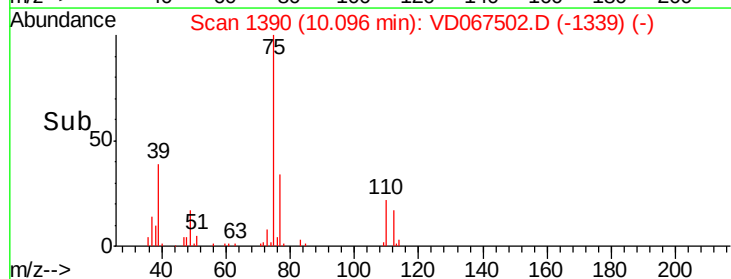
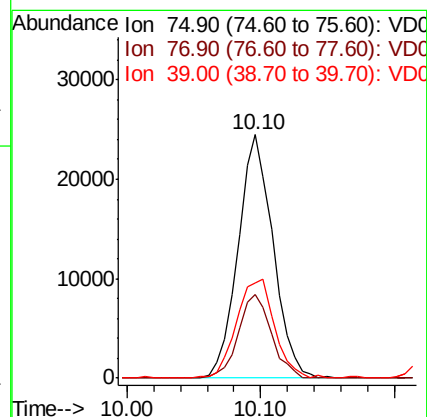
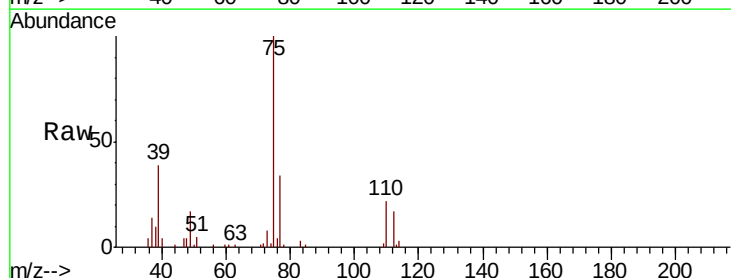
Tgt Ion: 75 Resp: 44342

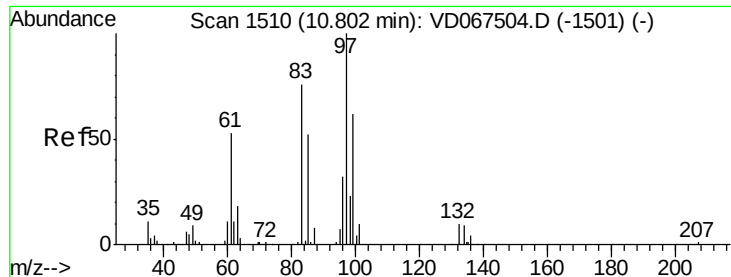
Ion Ratio Lower Upper

75 100

77 34.3 24.4 36.6

39 39.2 35.6 53.4

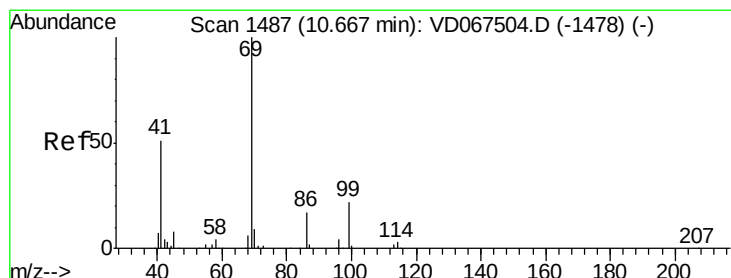
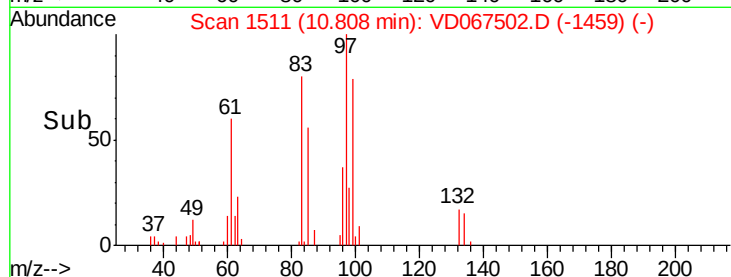
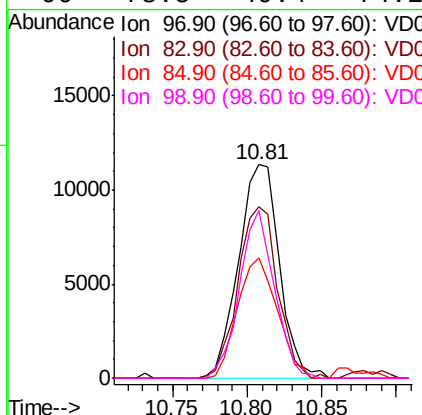
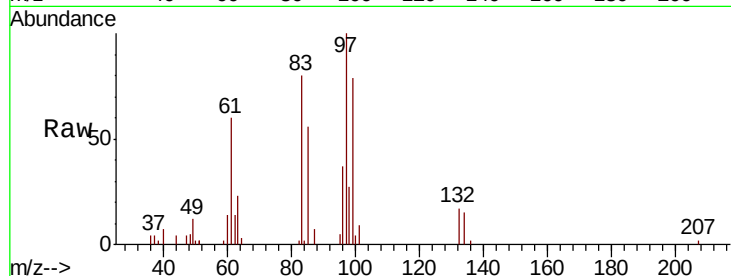




#55
 1,1,2-Trichloroethane
 Concen: 10.598 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

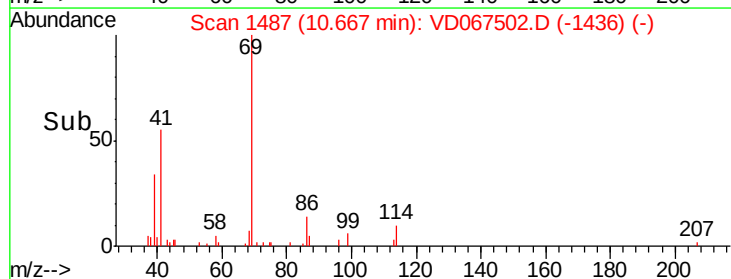
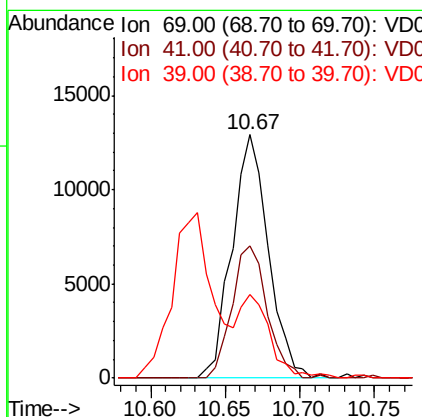
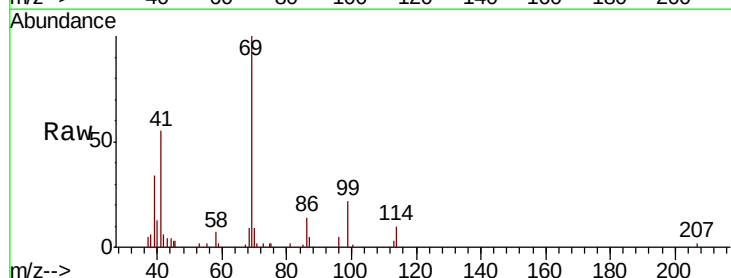
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

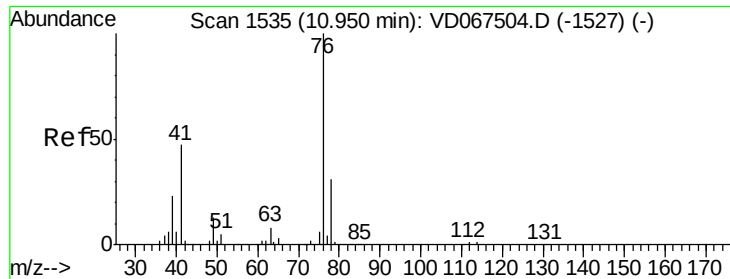
Tot Ion: 97 Resp: 21574
 Ion Ratio Lower Upper
 97 100
 83 80.2 61.0 91.6
 85 56.1 41.5 62.3
 99 78.5 49.4 74.2#



#56
 Ethyl methacrylate
 Concen: 10.429 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Tgt Ion: 69 Resp: 21923
 Ion Ratio Lower Upper
 69 100
 41 52.6 45.4 68.0
 39 28.6 27.4 41.0





#57

1,3-Dichloropropane

Concen: 10.513 ug/l

RT: 10.95 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

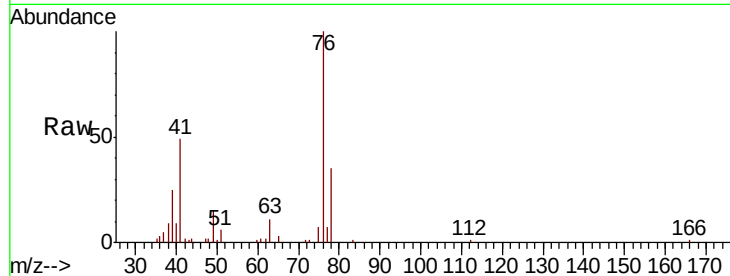
VSTDIC010

Tot Ion: 76 Resp: 34438

Ion Ratio Lower Upper

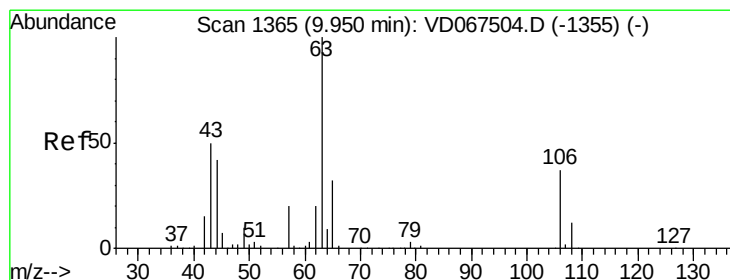
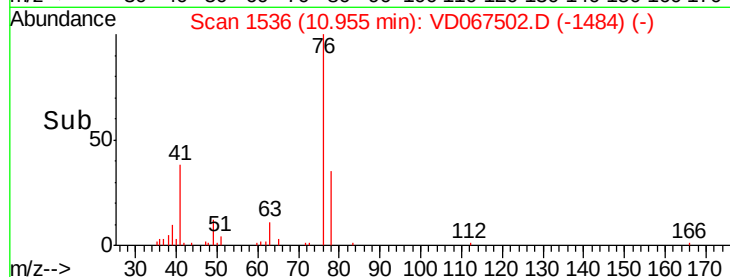
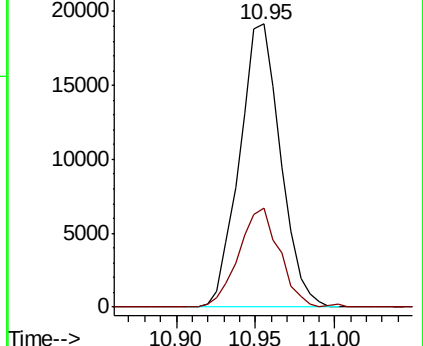
76 100

78 34.8 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 47.874 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD067502.D

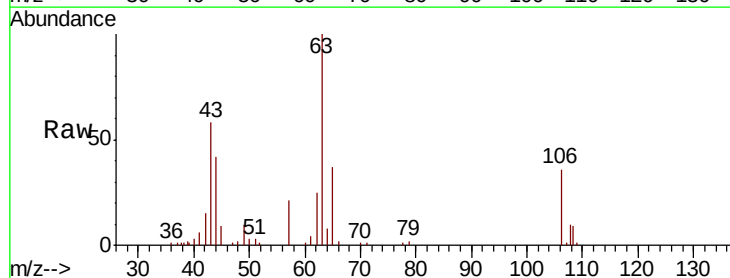
Acq: 03 Nov 2020 10:43

Tgt Ion: 63 Resp: 46931

Ion Ratio Lower Upper

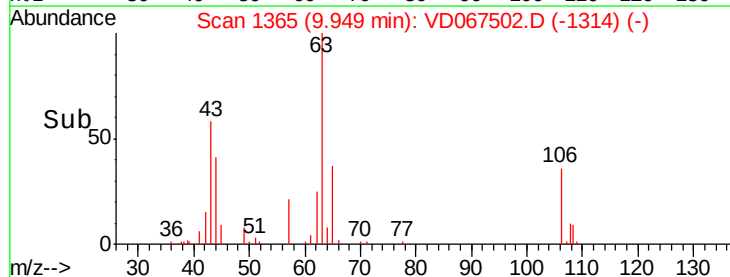
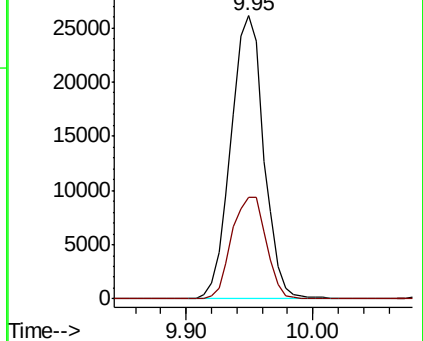
63 100

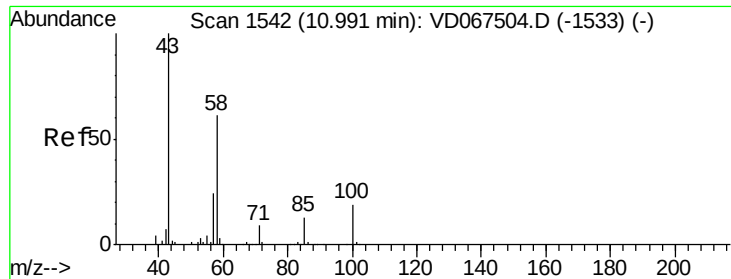
106 37.6 29.2 43.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

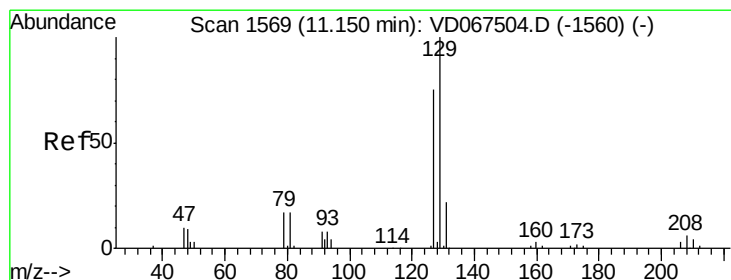
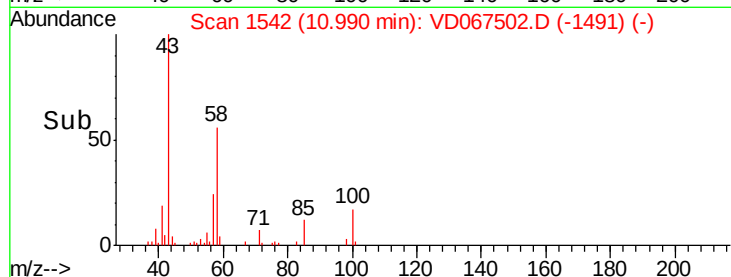
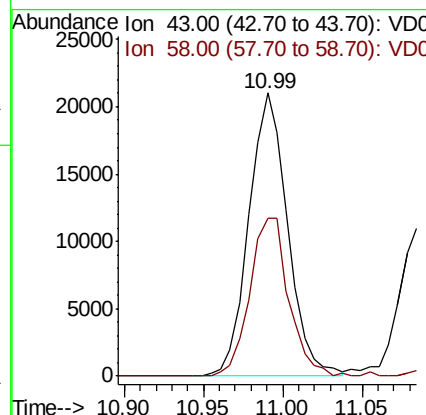
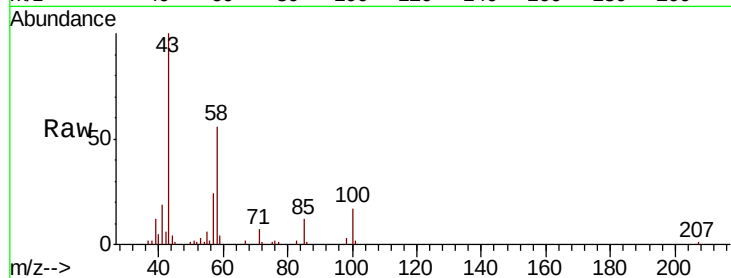




#59
2-Hexanone
Concen: 50.337 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

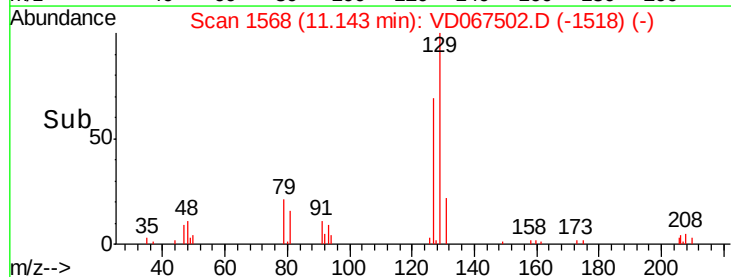
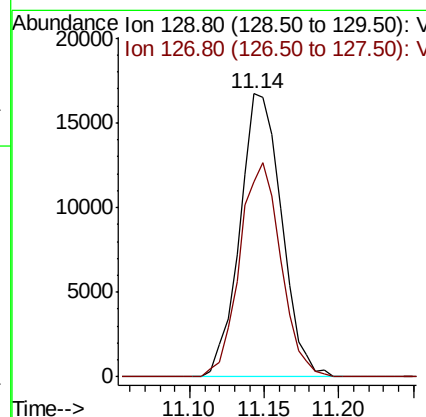
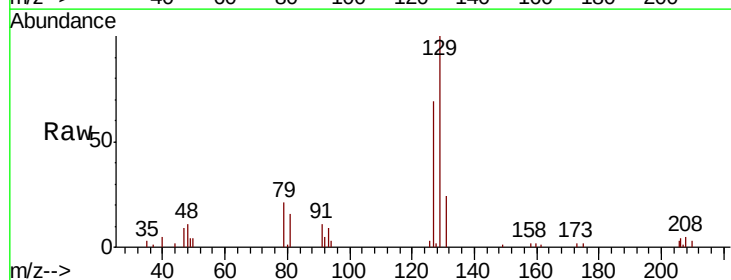
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

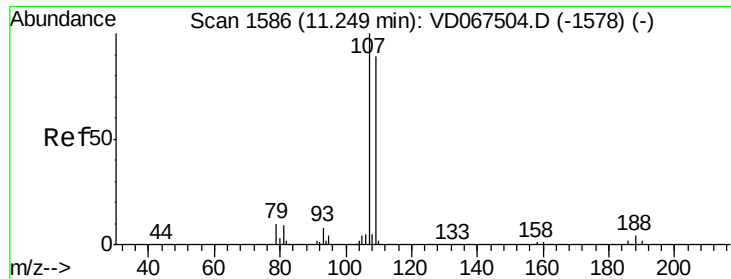
Tot Ion: 43 Resp: 35708
Ion Ratio Lower Upper
43 100
58 56.3 30.3 90.9



#60
Dibromochloromethane
Concen: 10.785 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion: 129 Resp: 32478
Ion Ratio Lower Upper
129 100
127 74.3 38.0 114.1

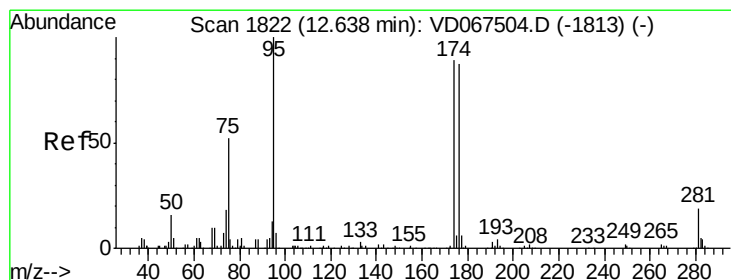
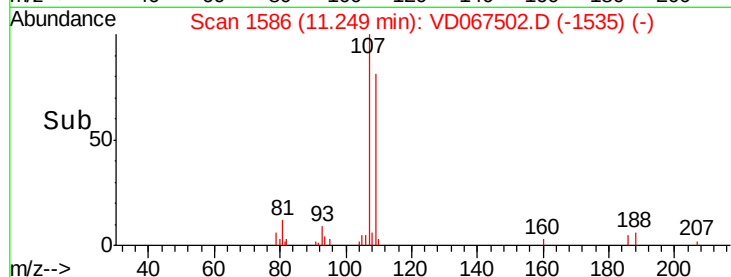
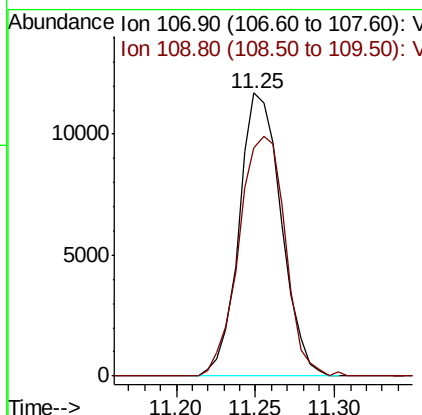
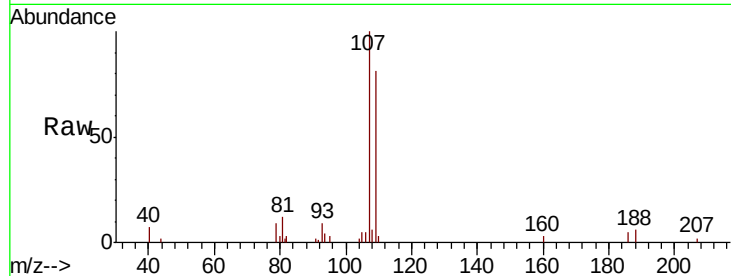




#61
 1,2-Dibromoethane
 Concen: 10.586 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

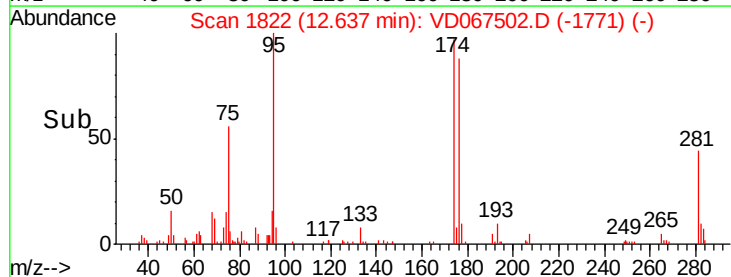
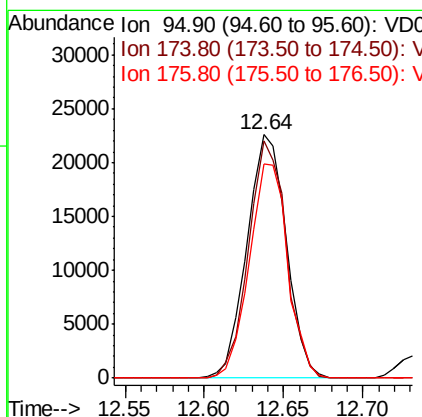
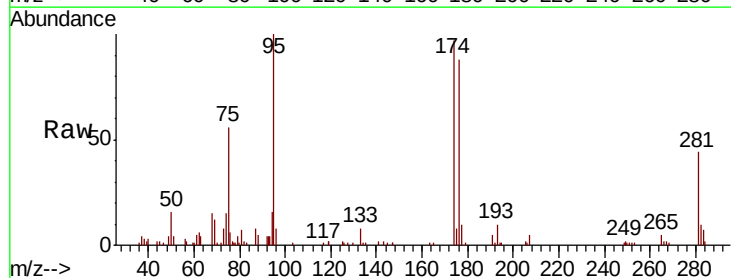
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

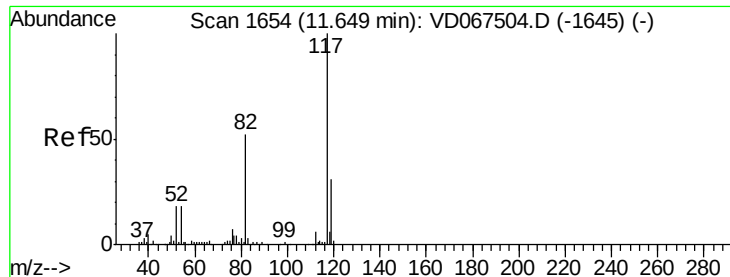
Tot Ion:107 Resp: 21628
 Ion Ratio Lower Upper
 107 100
 109 93.0 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 11.080 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Tgt Ion: 95 Resp: 39096
 Ion Ratio Lower Upper
 95 100
 174 92.9 0.0 177.8
 176 85.9 0.0 172.0

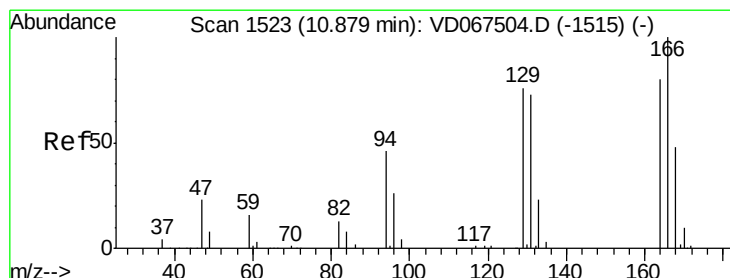
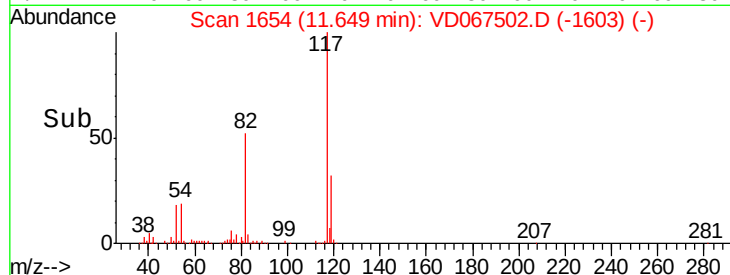
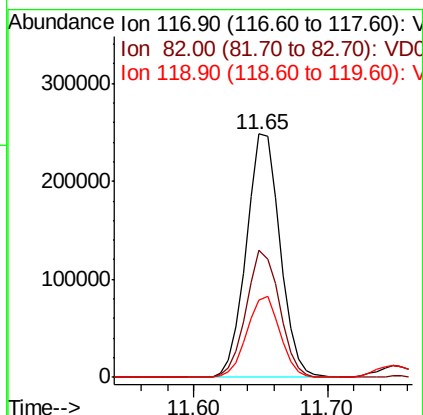
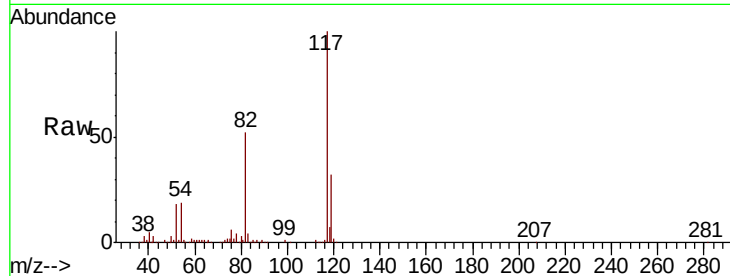




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

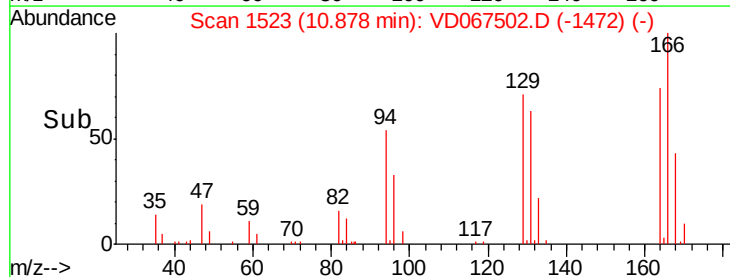
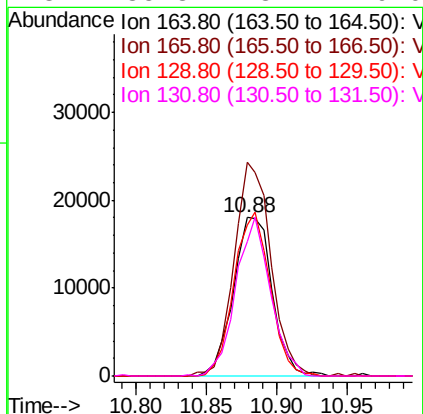
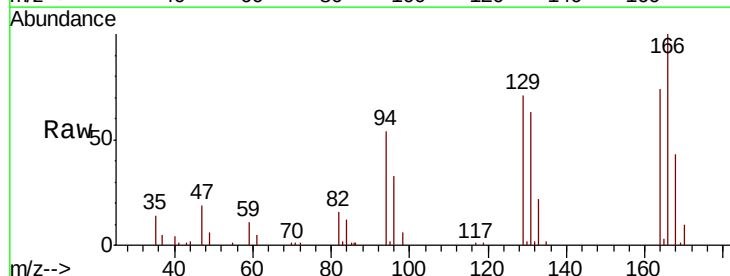
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

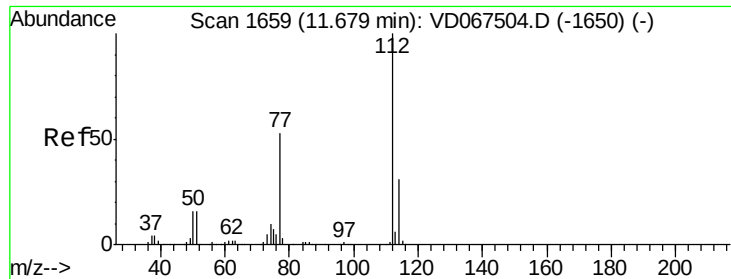
Tot Ion:117 Resp: 432840
Ion Ratio Lower Upper
117 100
82 52.0 41.6 62.4
119 31.8 25.1 37.7



#64
Tetrachloroethene
Concen: 10.803 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion:164 Resp: 34631
Ion Ratio Lower Upper
164 100
166 134.9 99.9 149.9
129 95.7 75.5 113.3
131 85.3 73.4 110.0

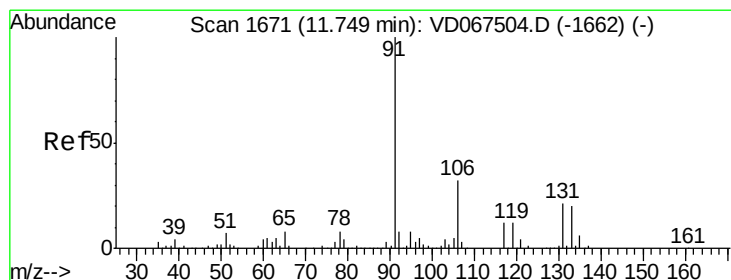
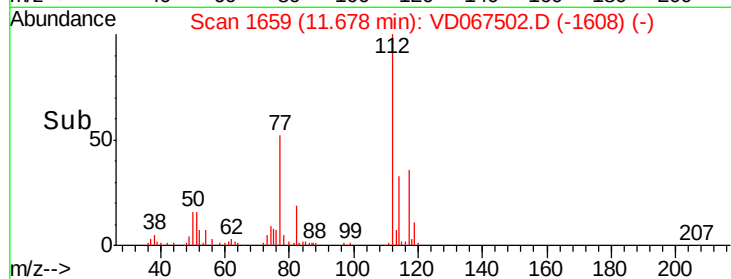
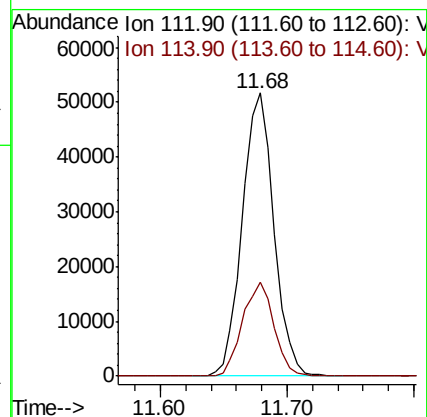
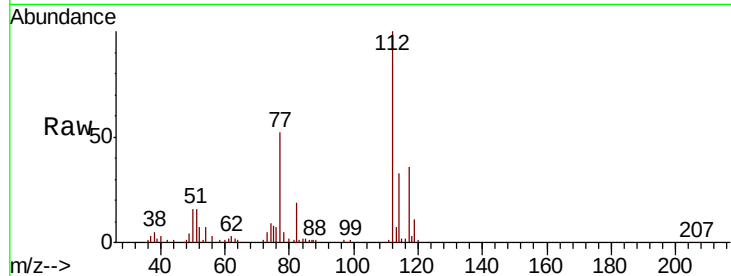




#65
Chlorobenzene
Concen: 10.717 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

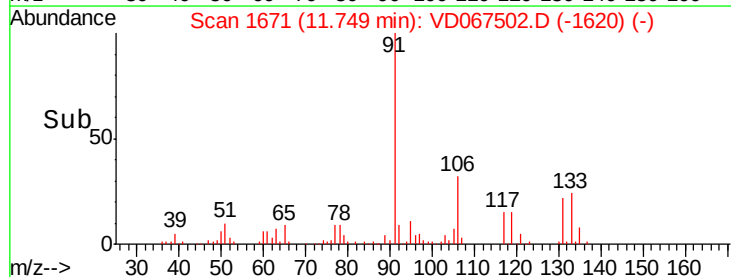
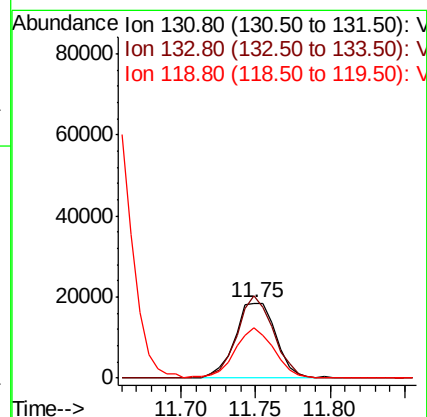
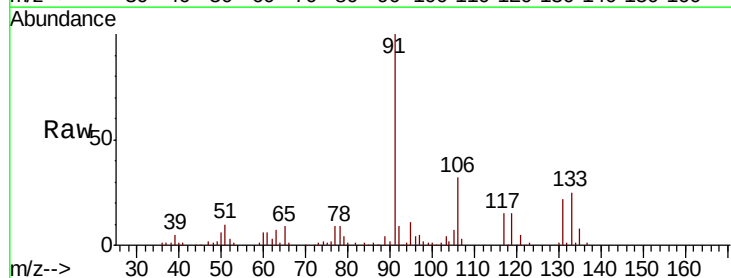
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

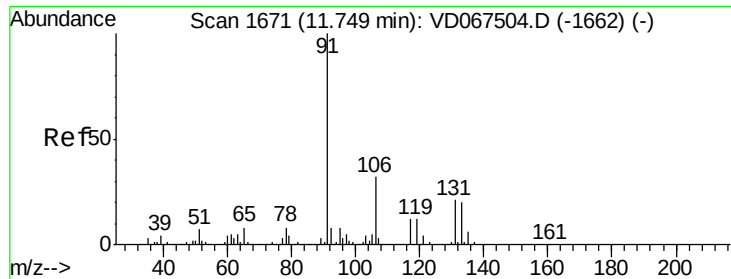
Tot Ion:112 Resp: 89358
Ion Ratio Lower Upper
112 100
114 33.1 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 10.758 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion:131 Resp: 35352
Ion Ratio Lower Upper
131 100
133 98.1 48.0 144.0
119 63.3 30.1 90.5

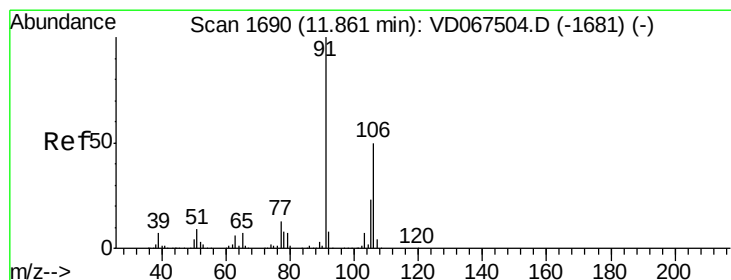
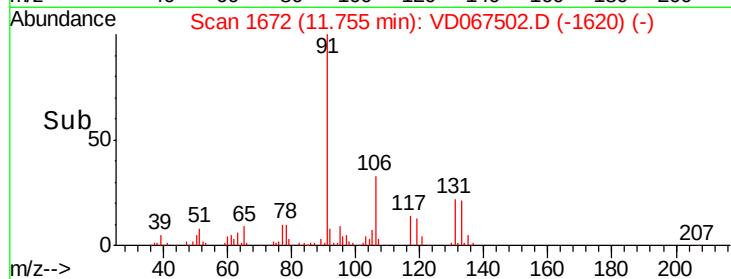
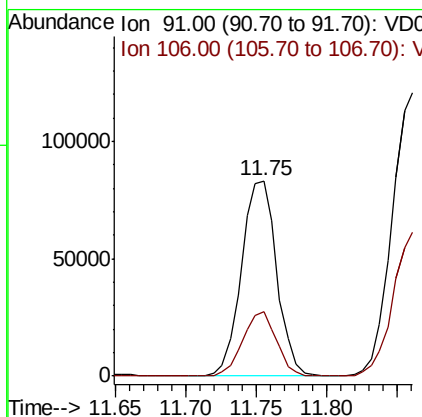
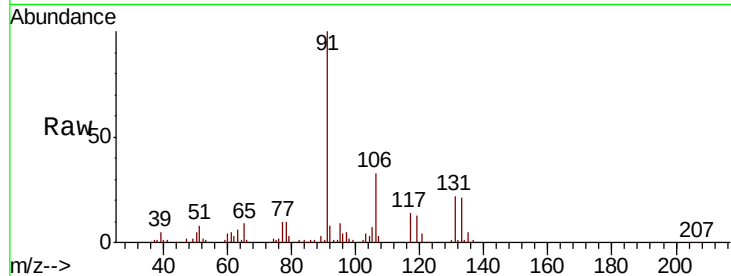




#67
Ethyl Benzene
Concen: 10.210 ug/l
RT: 11.75 min Scan# 1672
Delta R.T. 0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

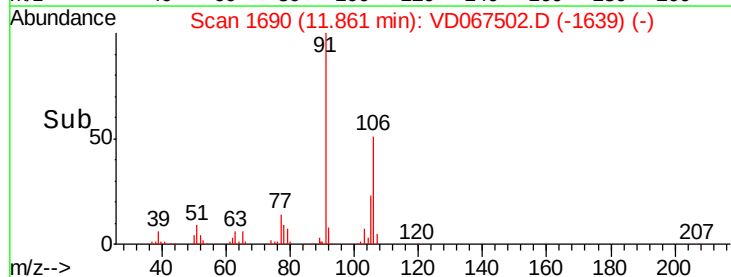
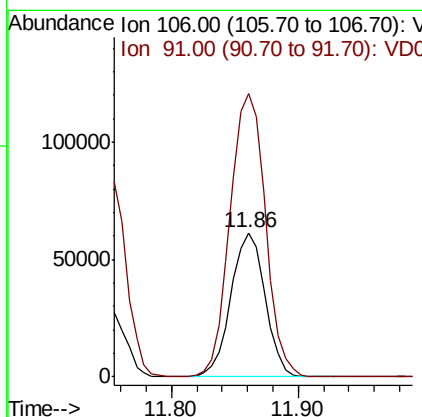
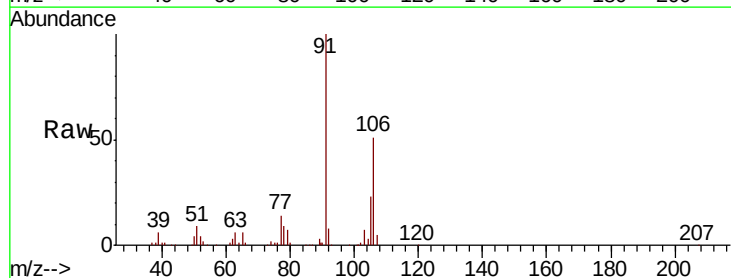
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

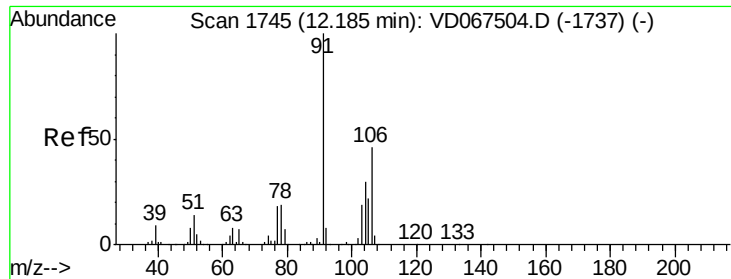
Tot Ion: 91 Resp: 145674
Ion Ratio Lower Upper
91 100
106 33.2 25.7 38.5



#68
m/p-Xylenes
Concen: 20.633 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion: 106 Resp: 114526
Ion Ratio Lower Upper
106 100
91 203.7 162.6 244.0

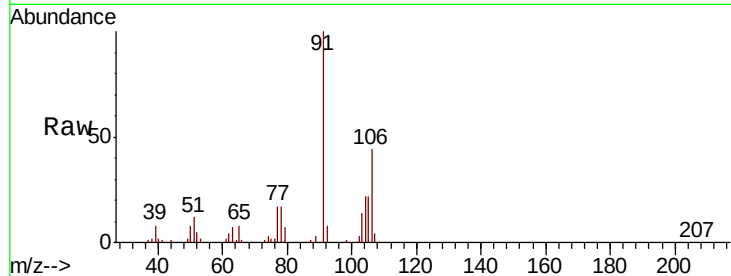




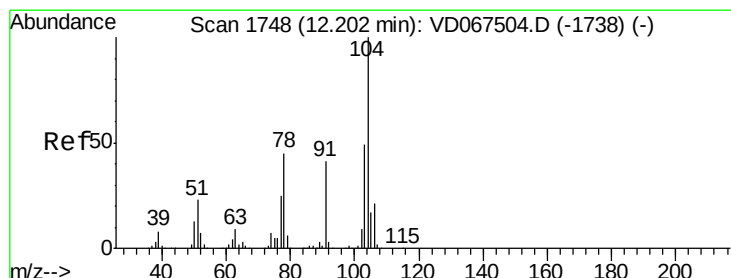
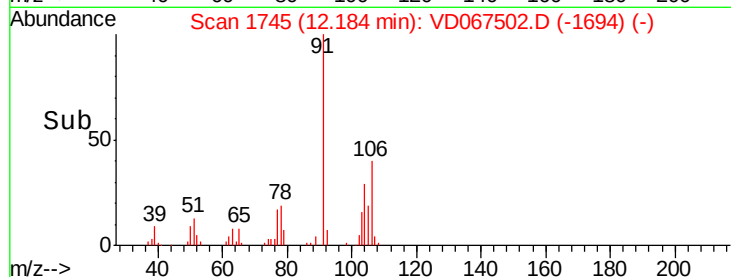
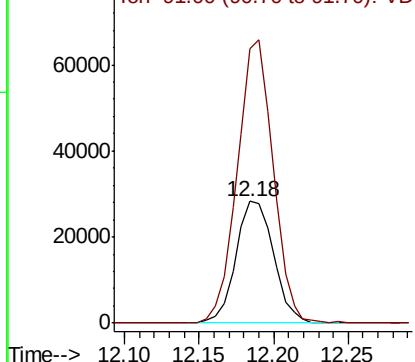
#69
o-Xylene
Concen: 10.074 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 49922
Ion Ratio Lower Upper
106 100
91 220.4 107.1 321.1

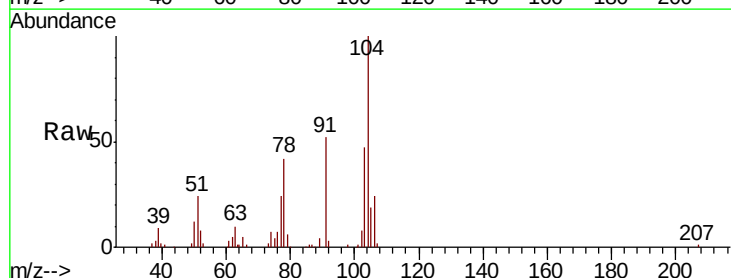


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

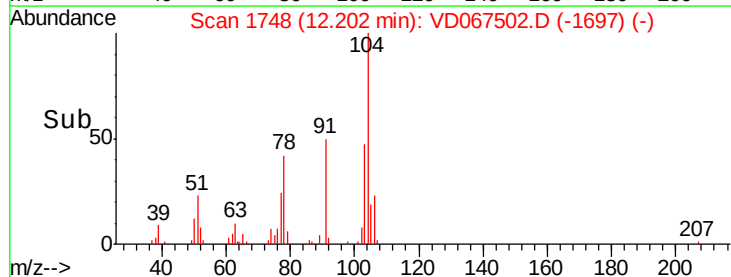
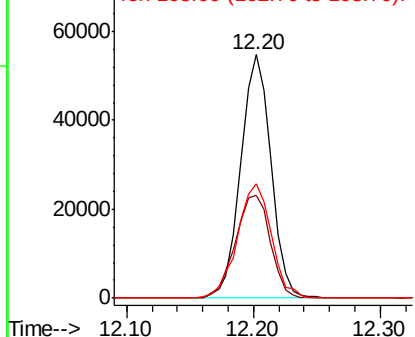


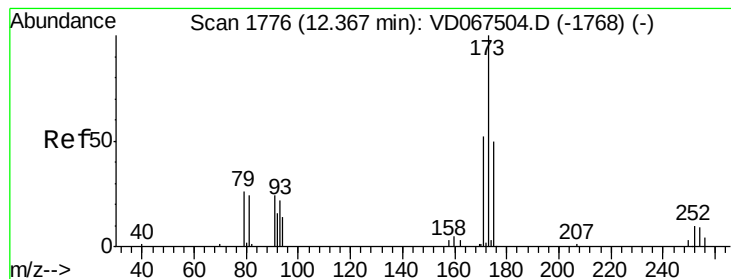
#70
Styrene
Concen: 10.526 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion:104 Resp: 90899
Ion Ratio Lower Upper
104 100
78 48.3 39.8 59.8
103 52.5 43.9 65.9



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





#71

Bromoform

Concen: 10.509 ug/l

RT: 12.37 min Scan# 1777

Delta R.T. 0.01 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

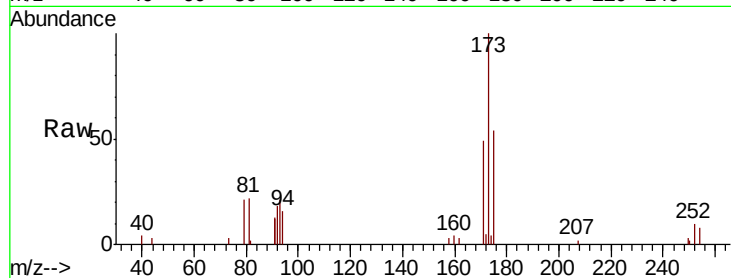
Tot Ion:173 Resp: 17613

Ion Ratio Lower Upper

173 100

175 57.4 24.1 72.2

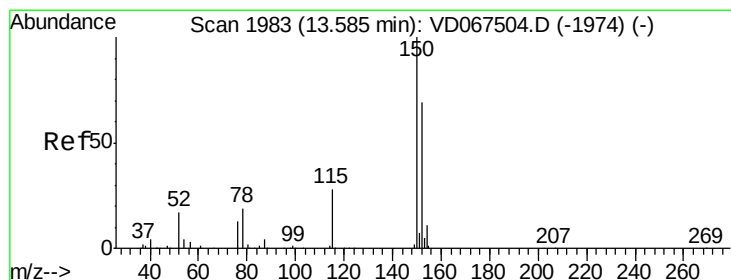
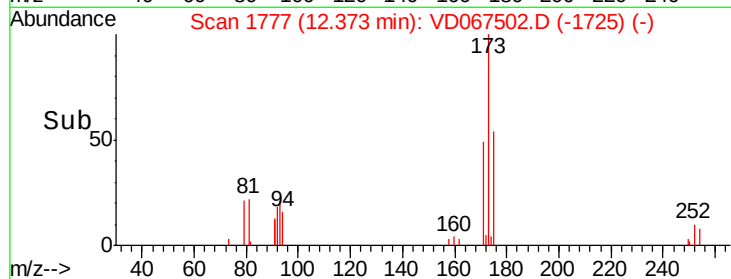
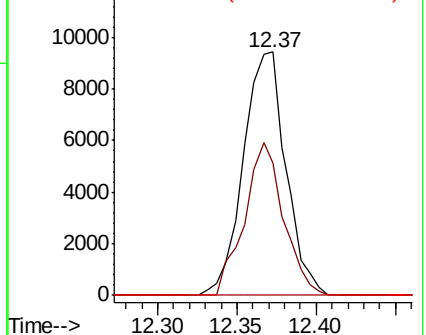
254 0.0 0.0 0.0



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# 1983

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

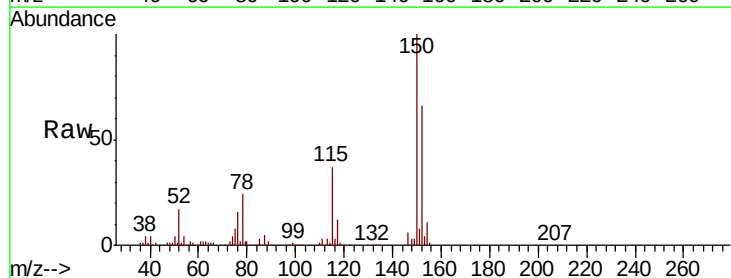
Tgt Ion:152 Resp: 223150

Ion Ratio Lower Upper

152 100

115 58.8 29.3 88.0

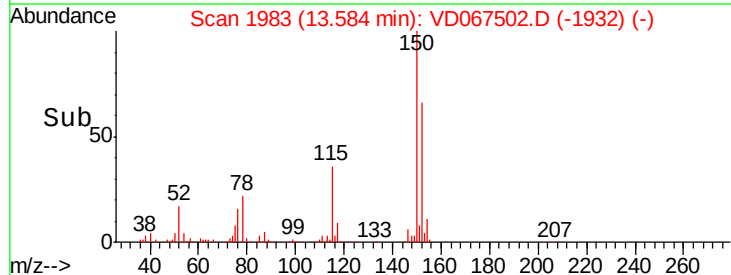
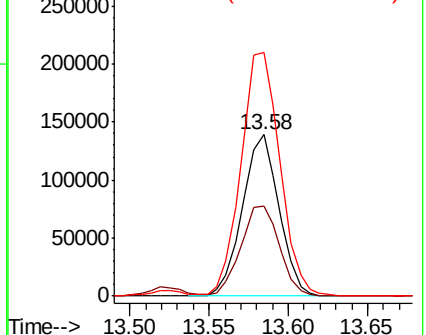
150 160.7 0.0 338.2

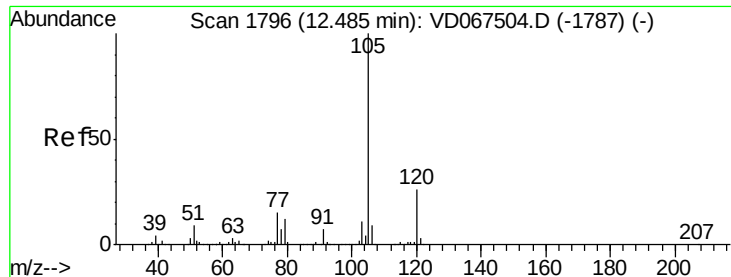


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 9.972 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

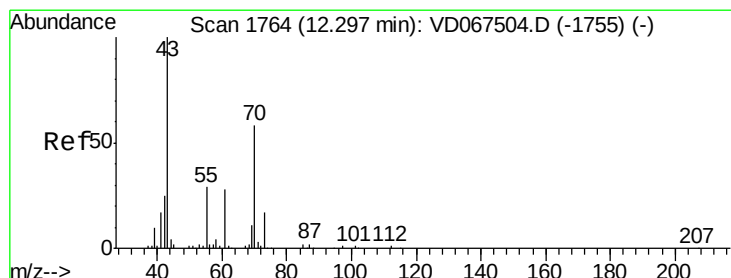
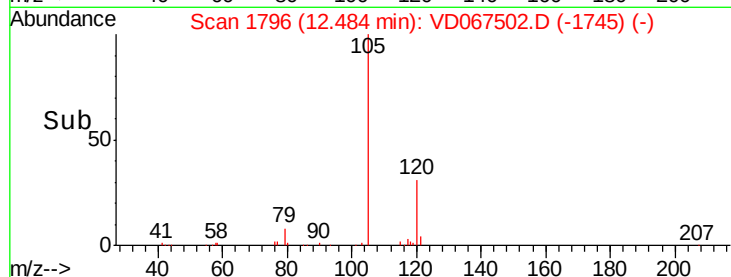
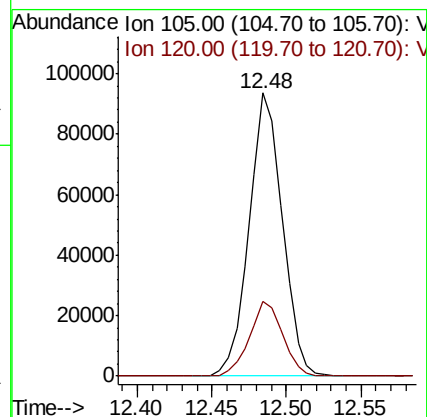
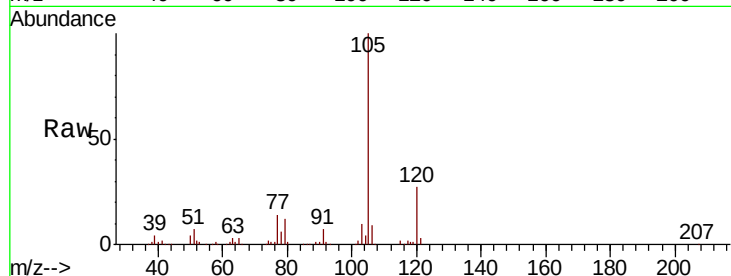
VSTDIC010

Tot Ion:105 Resp: 143813

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6



#74

N-ethyl acetate

Concen: 9.898 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Tgt Ion: 43 Resp: 18784

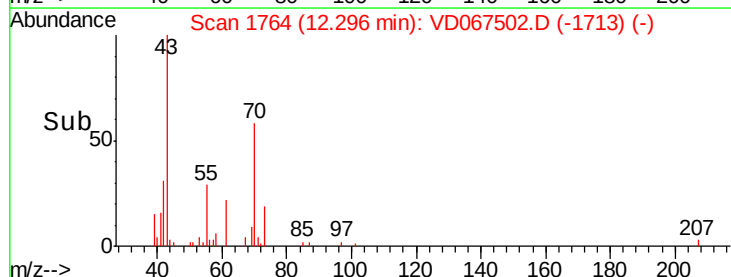
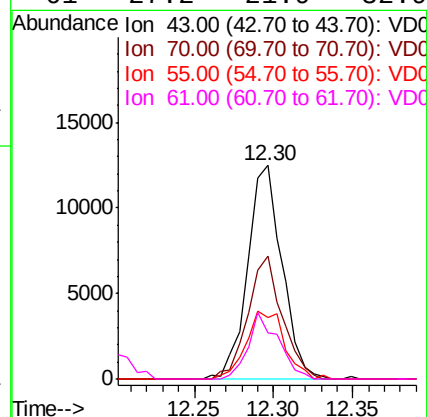
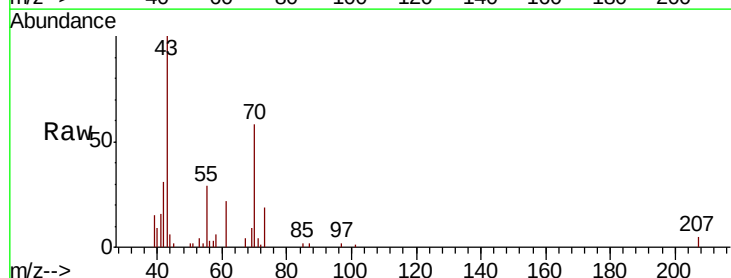
Ion Ratio Lower Upper

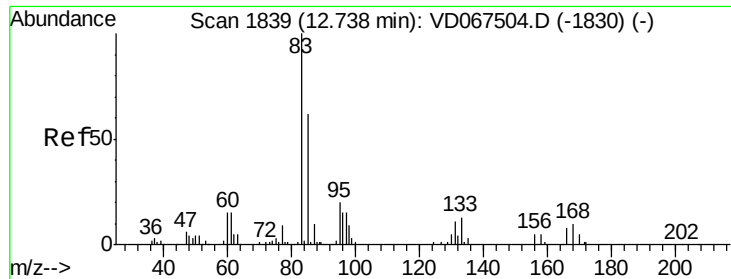
43 100

70 57.5 42.6 64.0

55 35.6 23.7 35.5#

61 27.2 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 10.326 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

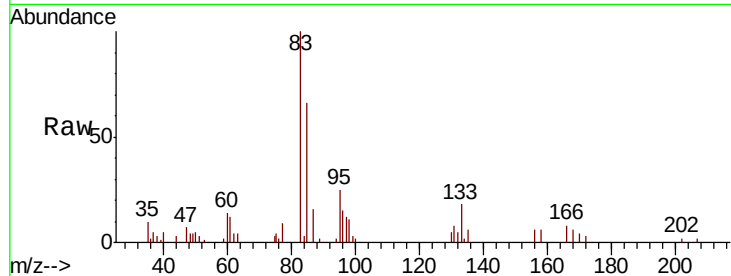
Tot Ion: 83 Resp: 20307

Ion Ratio Lower Upper

83 100

131 12.9 7.1 21.3

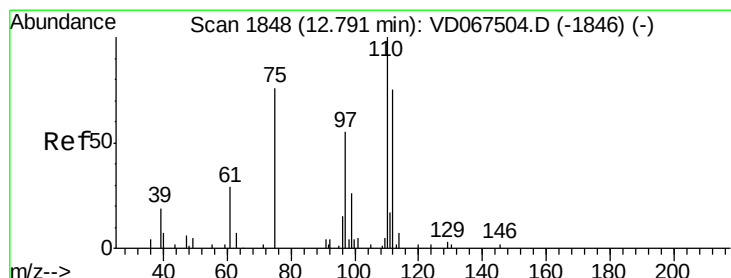
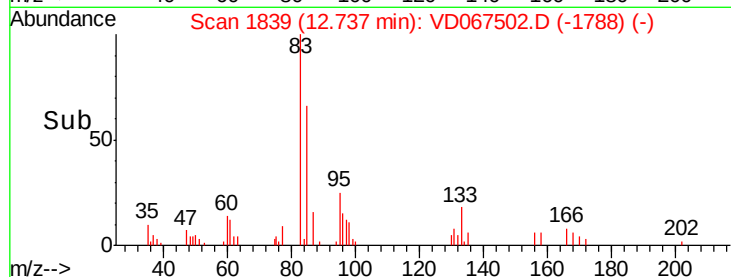
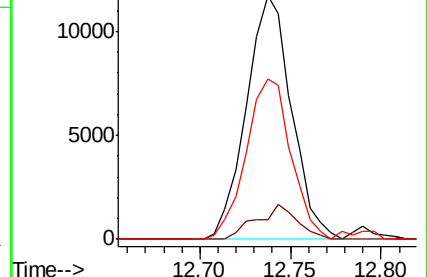
85 65.4 32.9 98.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 19.832 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD067502.D

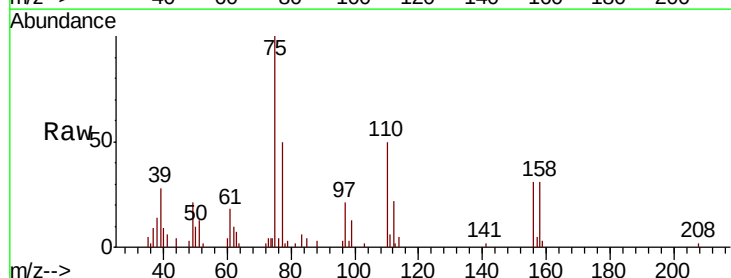
Acq: 03 Nov 2020 10:43

Tgt Ion: 75 Resp: 27908

Ion Ratio Lower Upper

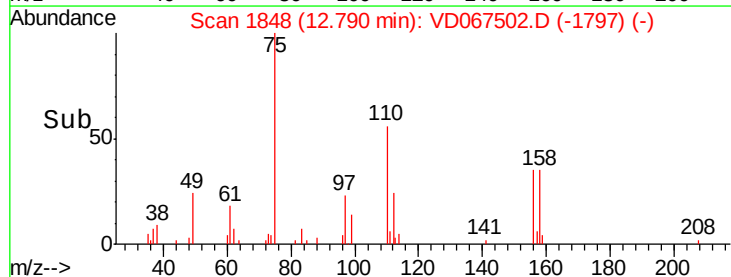
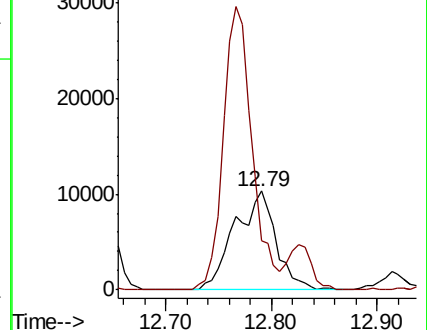
75 100

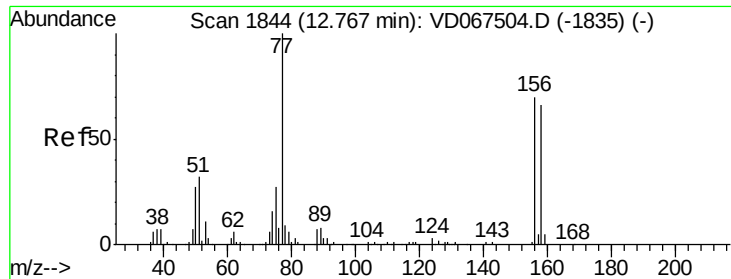
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 10.353 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

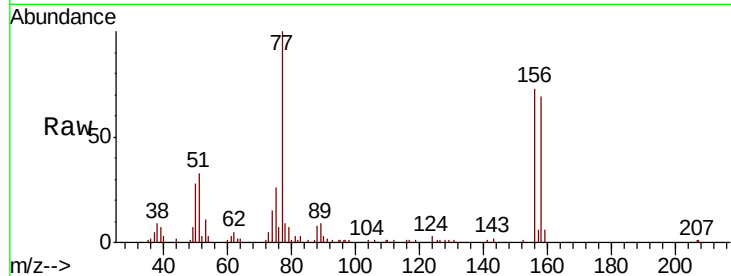
Tot Ion:156 Resp: 36669

Ion Ratio Lower Upper

156 100

77 153.2 77.8 233.5

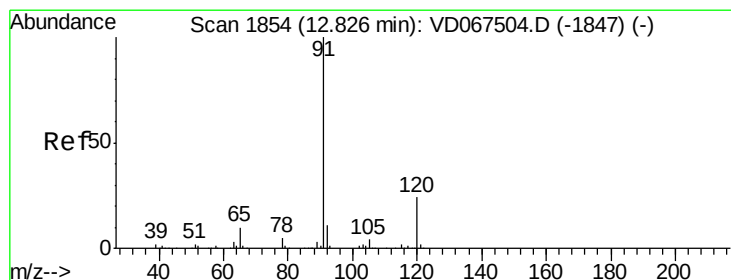
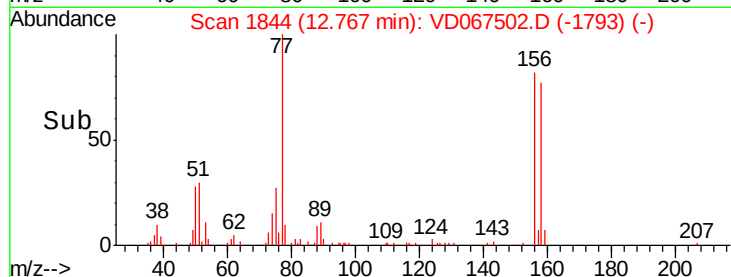
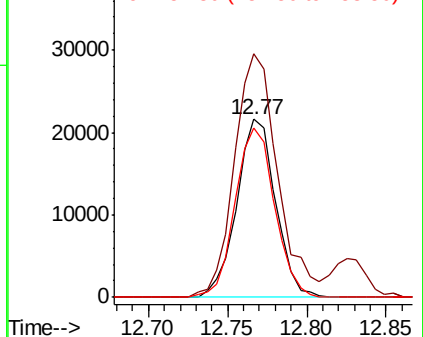
158 96.9 47.9 143.7



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



#78

n-propylbenzene

Concen: 10.200 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067502.D

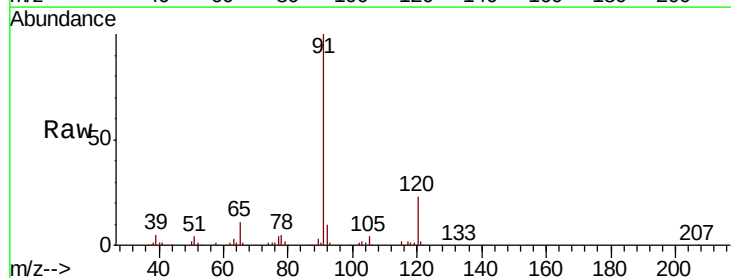
Acq: 03 Nov 2020 10:43

Tgt Ion: 91 Resp: 168257

Ion Ratio Lower Upper

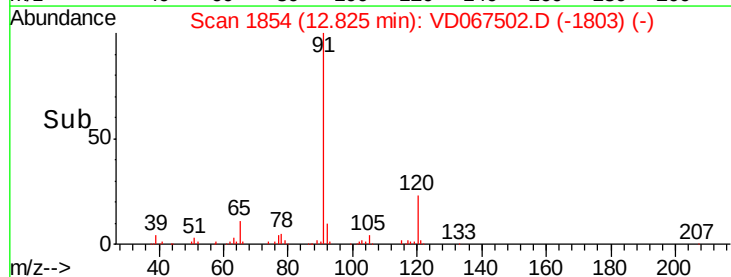
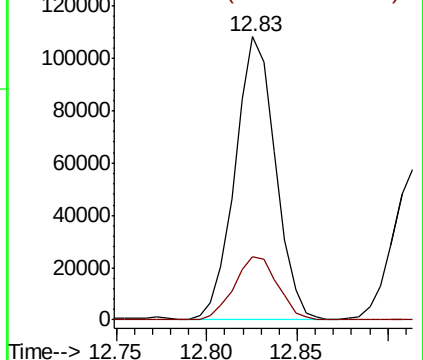
91 100

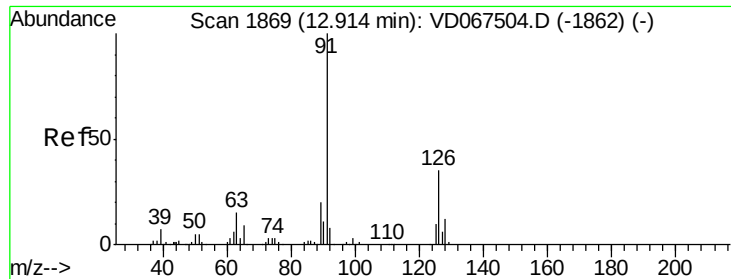
120 23.7 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

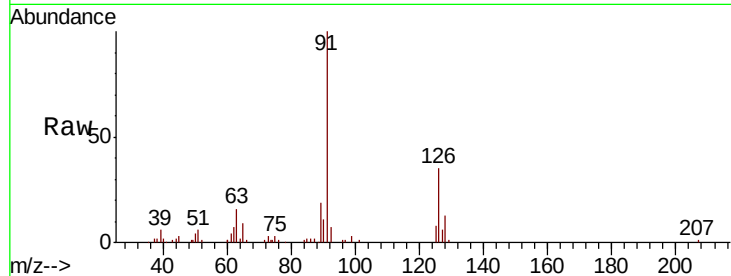




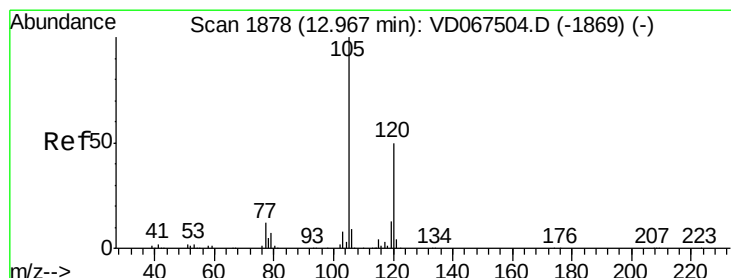
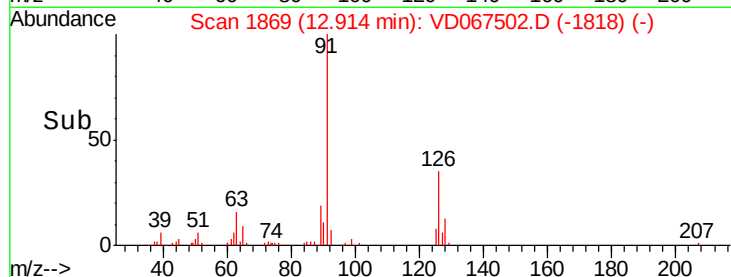
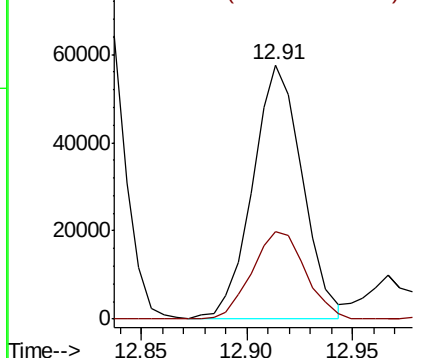
#79
2-Chlorotoluene
Concen: 10.090 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 94547
Ion Ratio Lower Upper
91 100
126 37.2 17.8 53.4

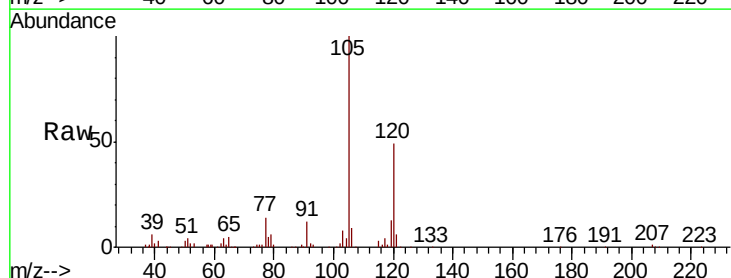


Abundance Ion 91.00 (90.70 to 91.70): VD
Ion 125.90 (125.60 to 126.60): V

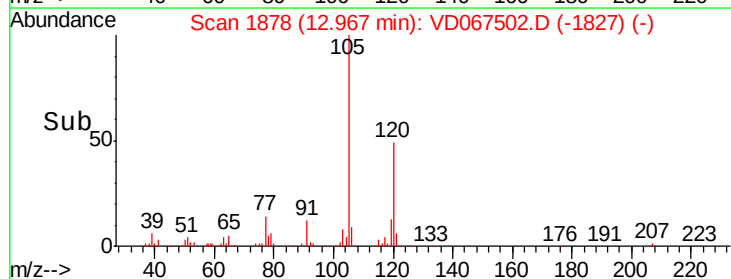
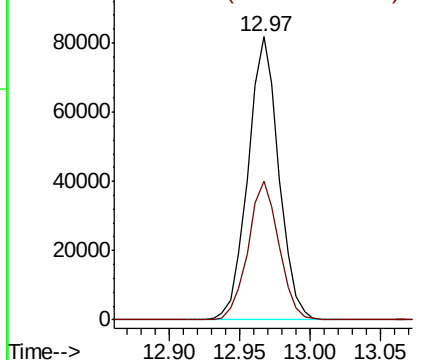


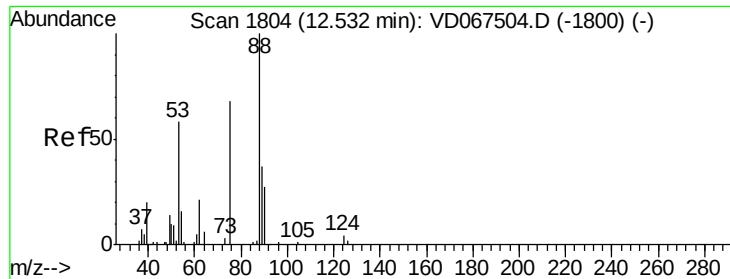
#80
1,3,5-Trimethylbenzene
Concen: 10.158 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion:105 Resp: 125143
Ion Ratio Lower Upper
105 100
120 49.1 24.3 72.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 11.473 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

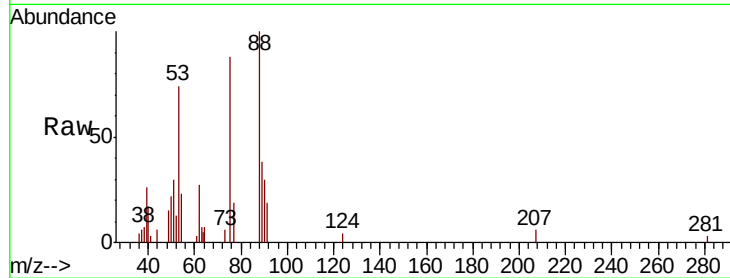
Tot Ion: 75 Resp: 7607

Ion Ratio Lower Upper

75 100

53 86.4 75.9 113.9

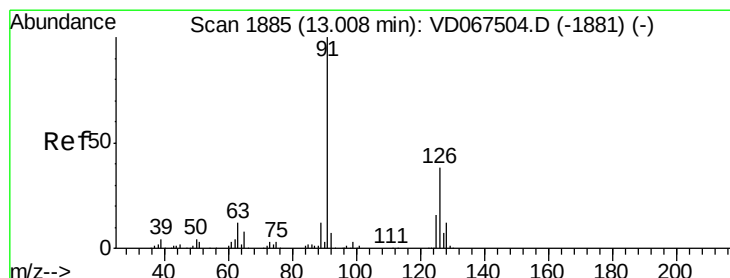
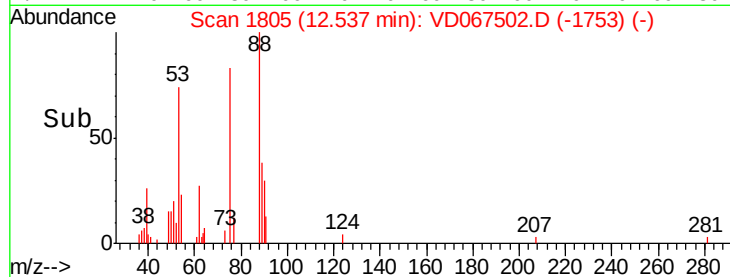
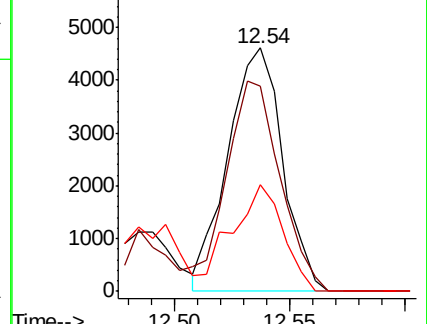
89 41.6 44.6 67.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 10.488 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD067502.D

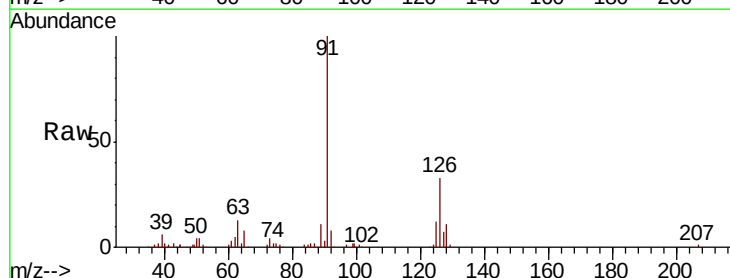
Acq: 03 Nov 2020 10:43

Tgt Ion: 91 Resp: 105408

Ion Ratio Lower Upper

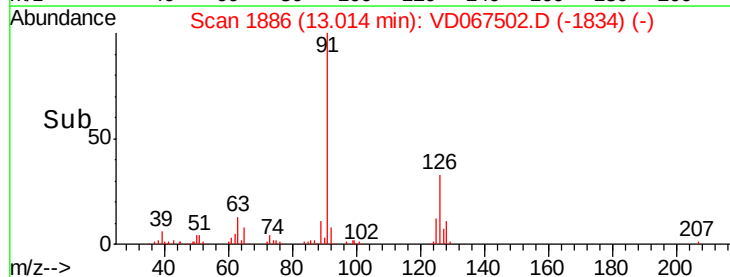
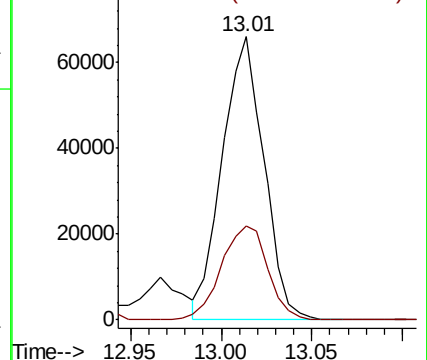
91 100

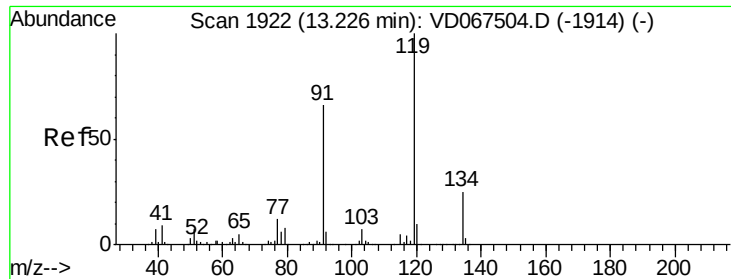
126 36.8 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

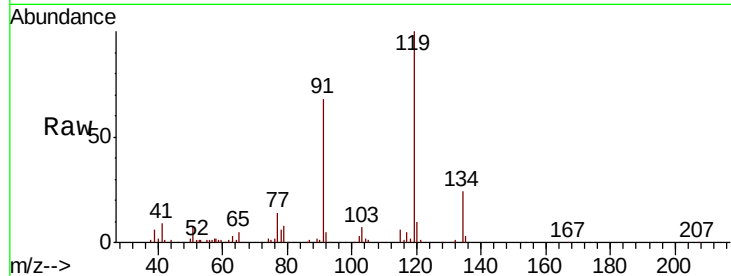




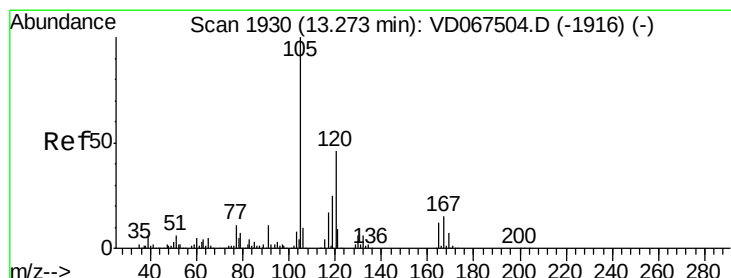
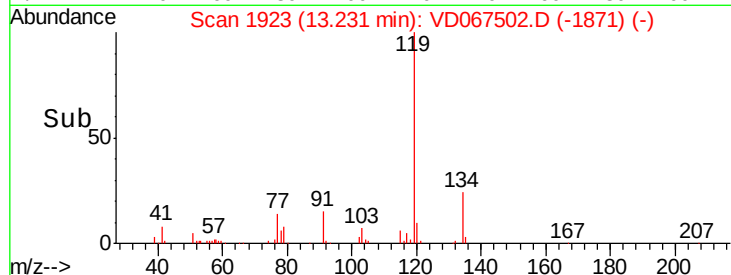
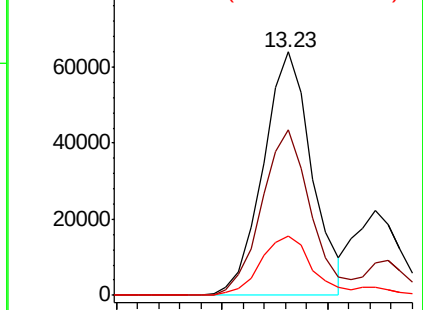
#83
 tert-Butylbenzene
 Concen: 9.805 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:119 Resp: 102374
 Ion Ratio Lower Upper
 119 100
 91 69.0 32.7 98.1
 134 25.5 13.4 40.2

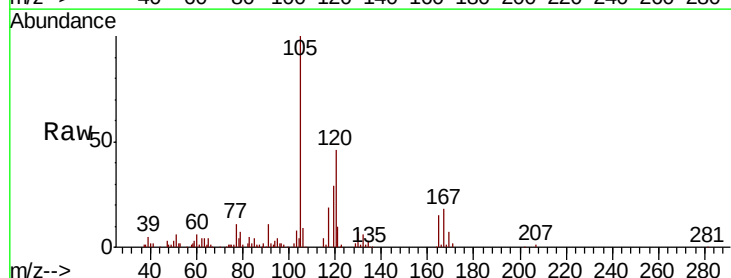


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

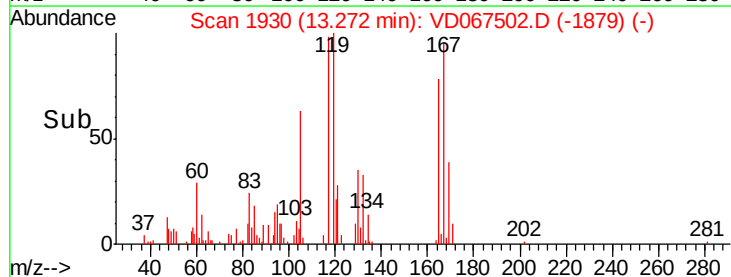
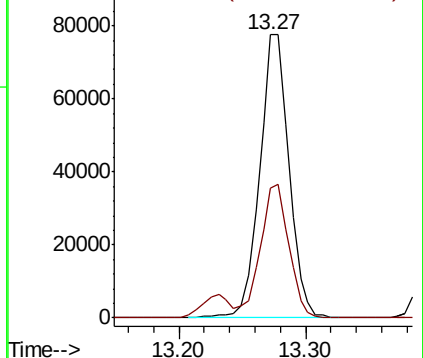


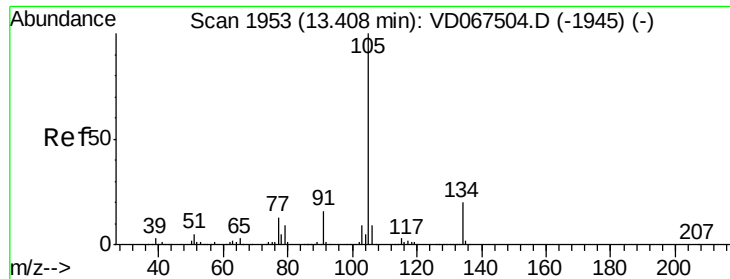
#84
 1,2,4-Trimethylbenzene
 Concen: 10.164 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Tgt Ion:105 Resp: 124643
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.1 66.1



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

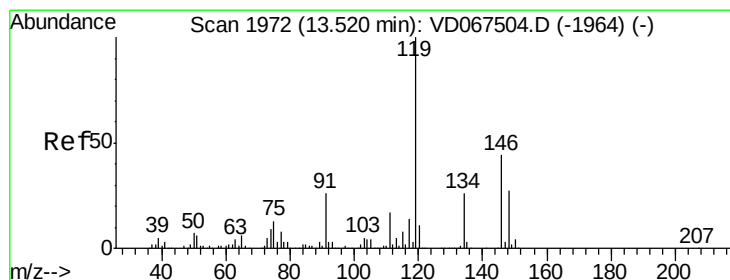
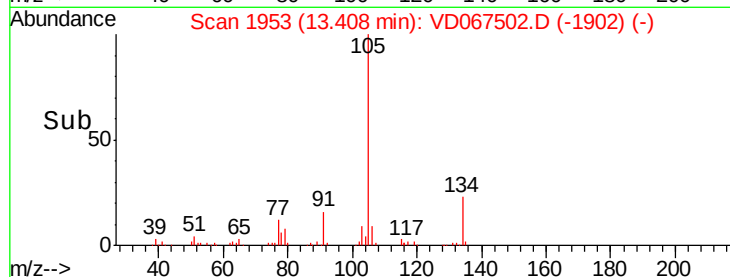
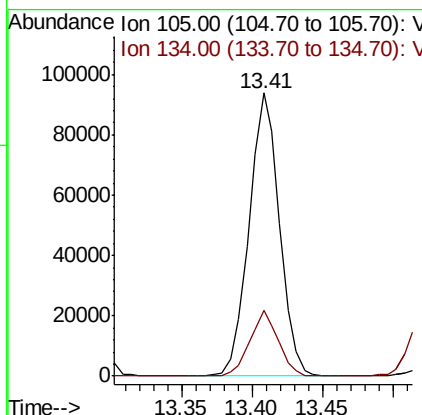
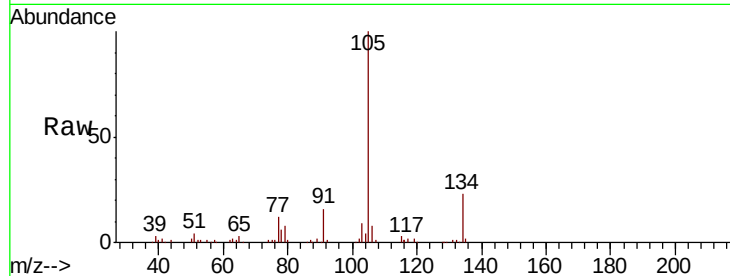




#85
 sec-Butylbenzene
 Concen: 10.052 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

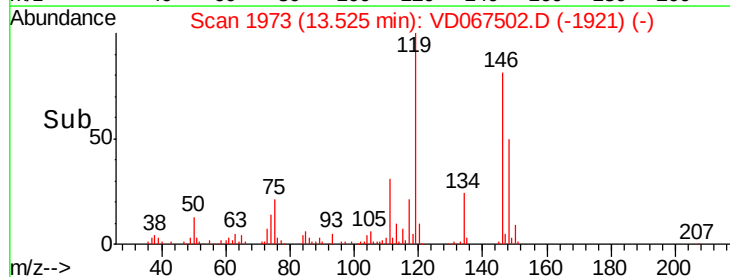
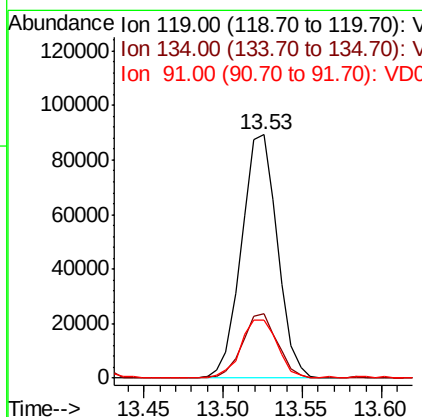
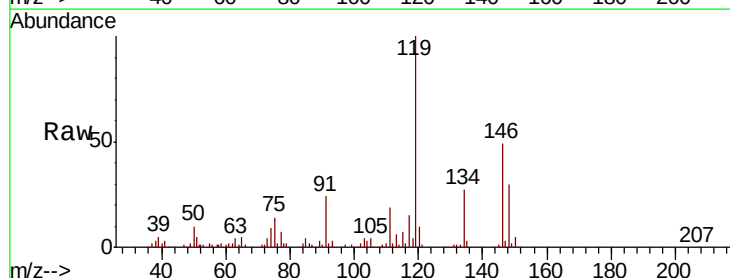
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC010

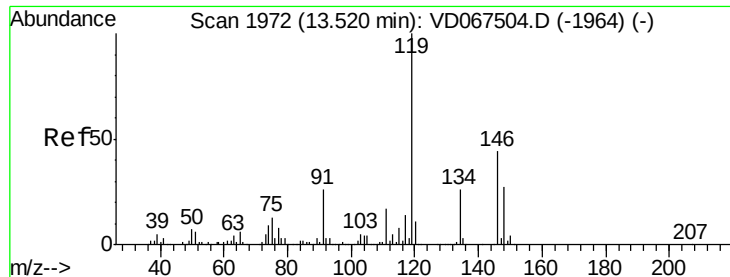
Tot Ion:105 Resp: 141685
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 10.328 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Tgt Ion:119 Resp: 140571
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.1 39.3
 91 24.8 12.2 36.4

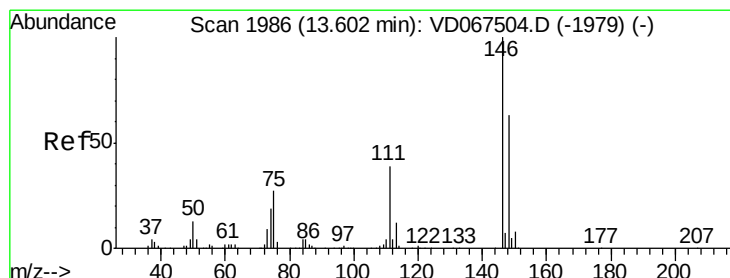
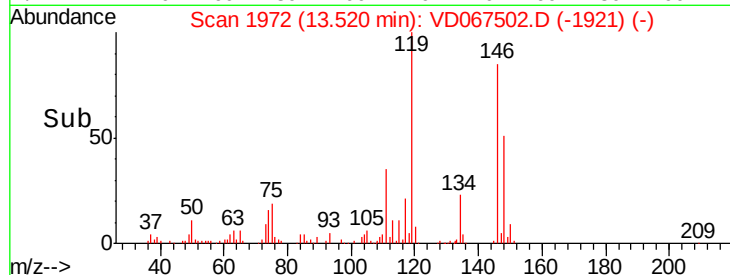
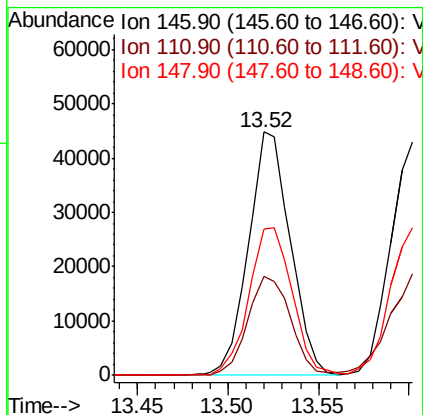
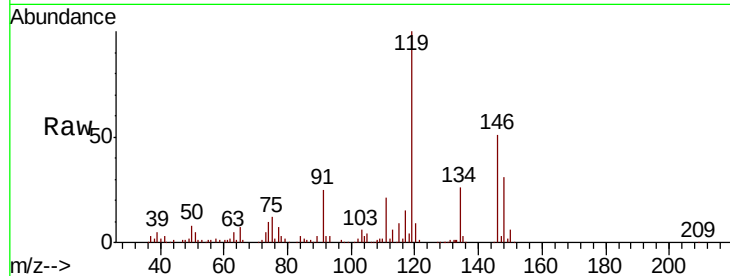




#87
 1,3-Dichlorobenzene
 Concen: 10.657 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

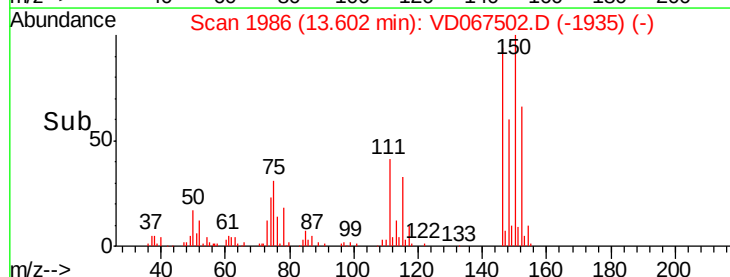
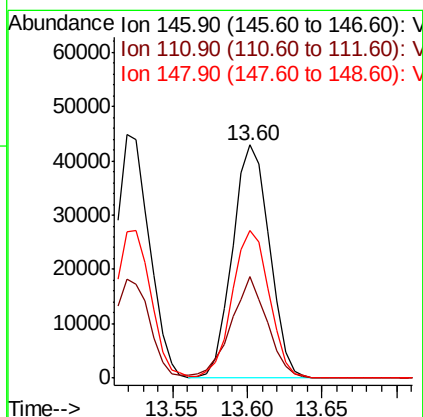
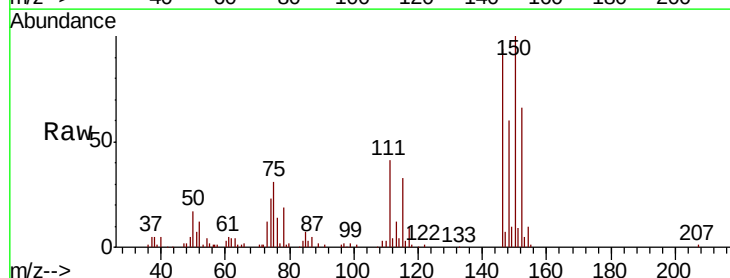
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

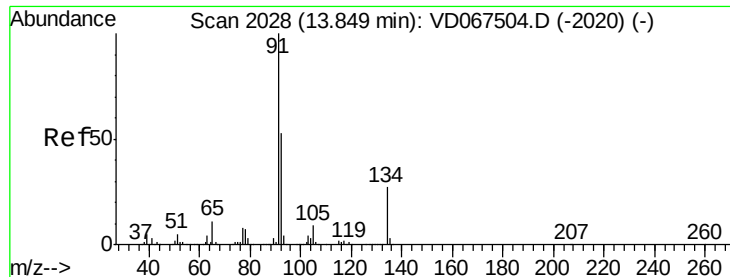
Tot Ion:146 Resp: 72024
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.3 60.8
 148 62.5 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 10.842 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Tgt Ion:146 Resp: 74191
 Ion Ratio Lower Upper
 146 100
 111 42.7 19.6 58.7
 148 63.6 31.8 95.4





#89

n-Butylbenzene

Concen: 9.881 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

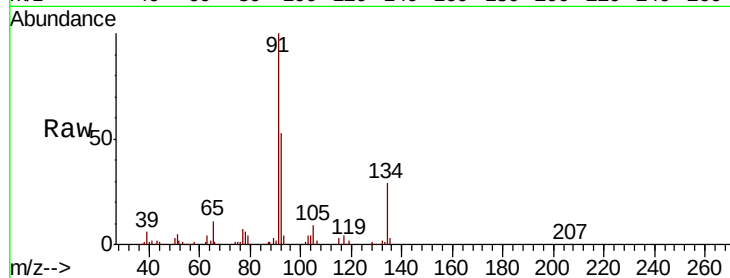
Tot Ion: 91 Resp: 116171

Ion Ratio Lower Upper

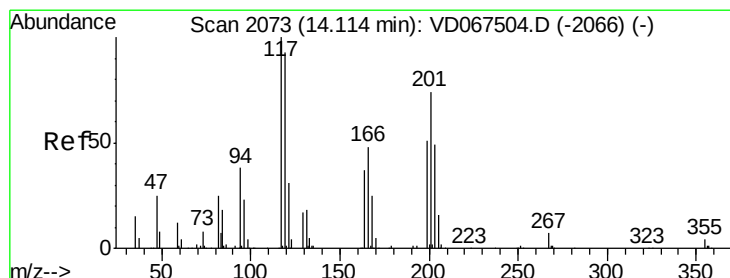
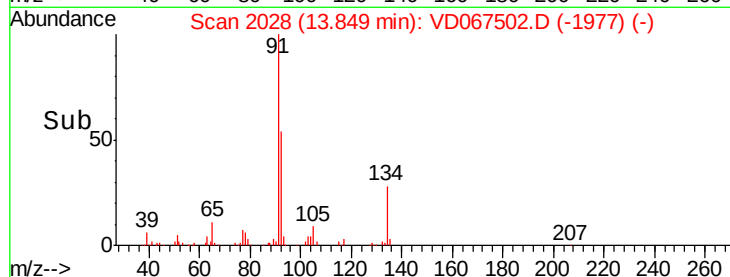
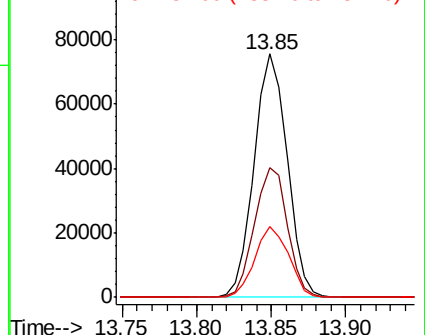
91 100

92 52.8 26.6 79.8

134 29.5 14.1 42.2



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



#90

Hexachloroethane

Concen: 9.966 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.01 min

Lab File: VD067502.D

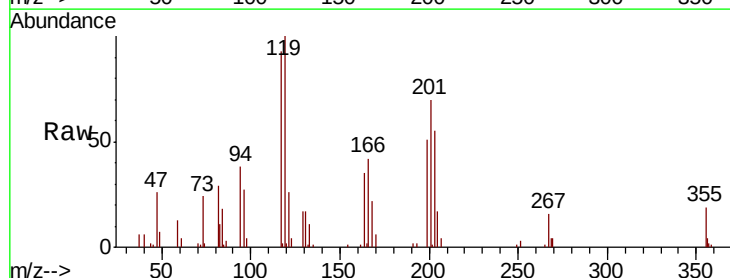
Acq: 03 Nov 2020 10:43

Tgt Ion: 117 Resp: 25544

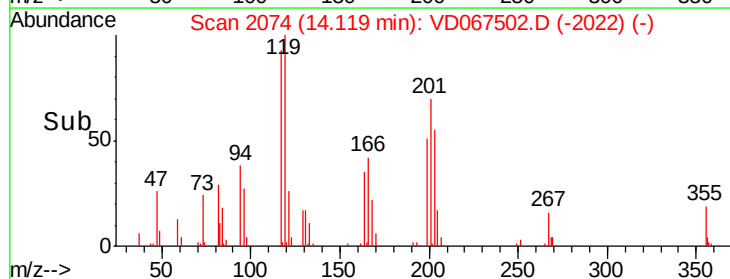
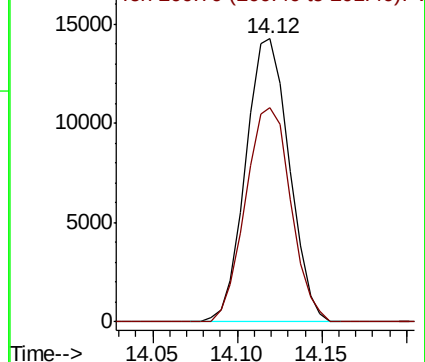
Ion Ratio Lower Upper

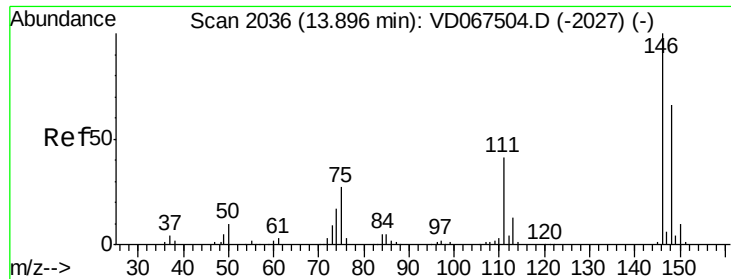
117 100

201 78.8 40.7 122.1



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

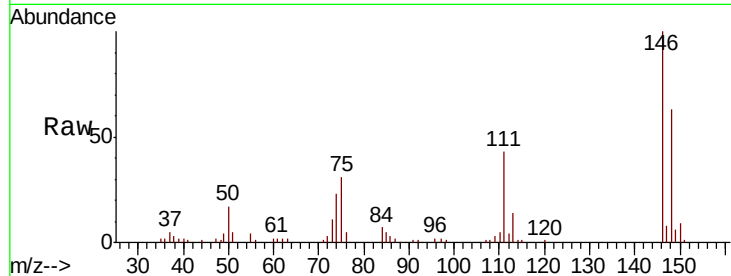




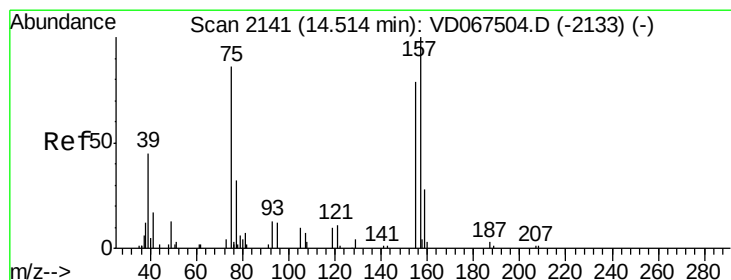
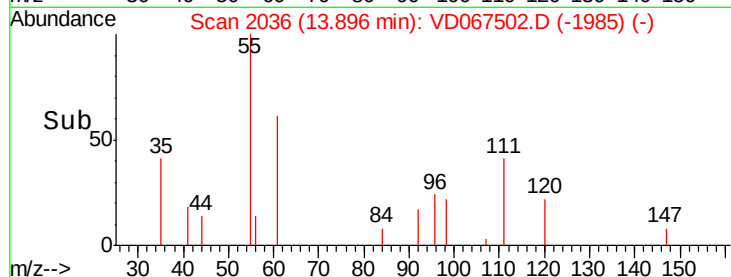
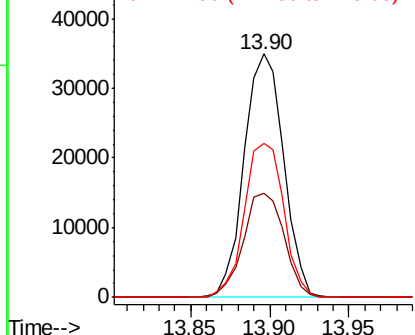
#91
 1,2-Dichlorobenzene
 Concen: 10.350 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:146 Resp: 60539
 Ion Ratio Lower Upper
 146 100
 111 44.3 20.7 62.1
 148 63.3 31.5 94.5

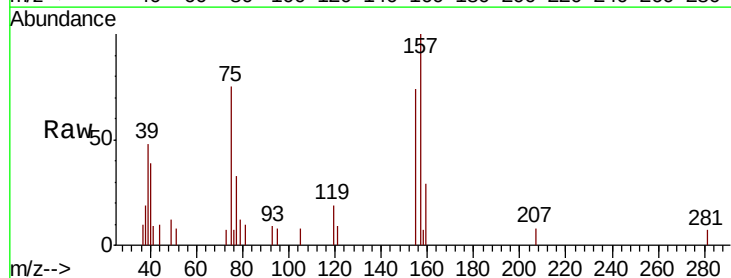


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

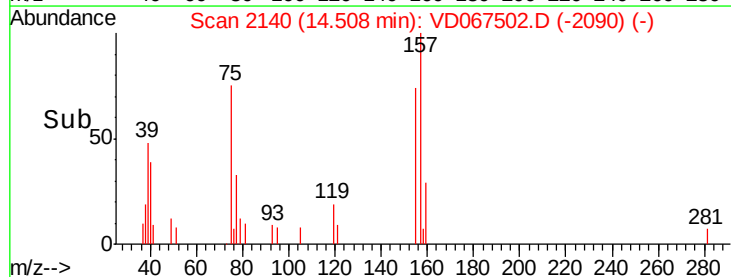
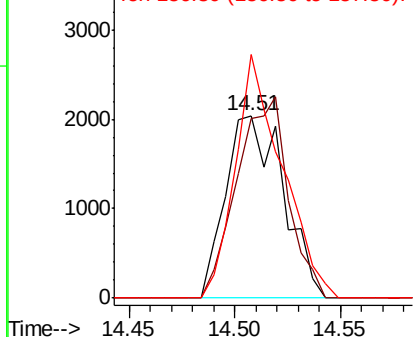


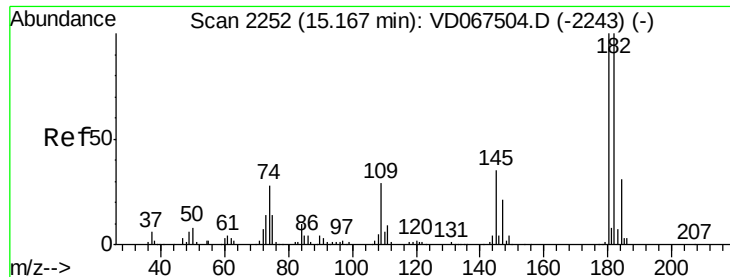
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.097 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Tgt Ion: 75 Resp: 3864
 Ion Ratio Lower Upper
 75 100
 155 97.7 46.6 139.8
 157 108.6 58.1 174.2



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

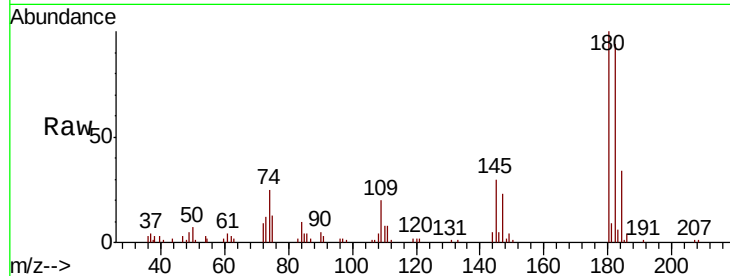




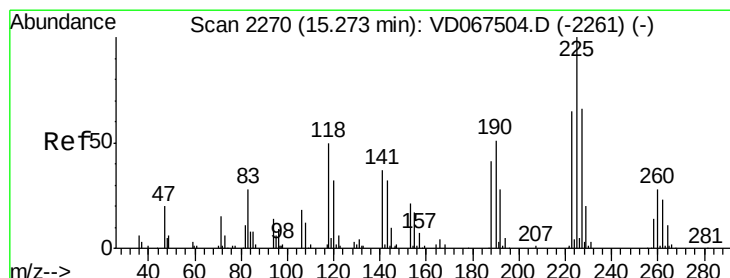
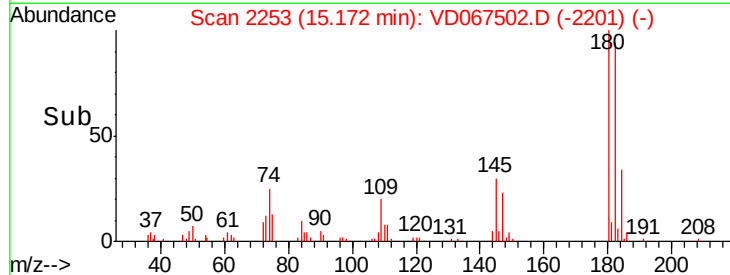
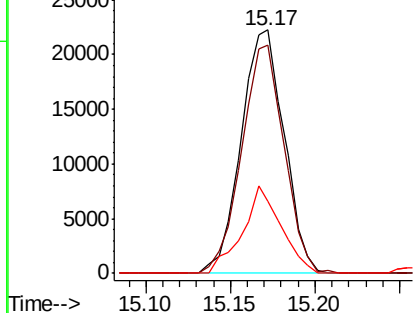
#93
 1,2,4-Trichlorobenzene
 Concen: 9.940 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.4	142.3
145	32.2	16.2	48.6

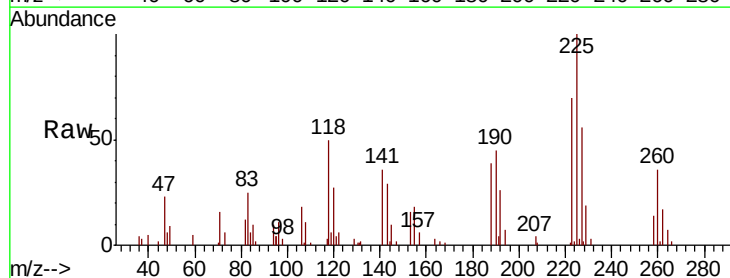


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

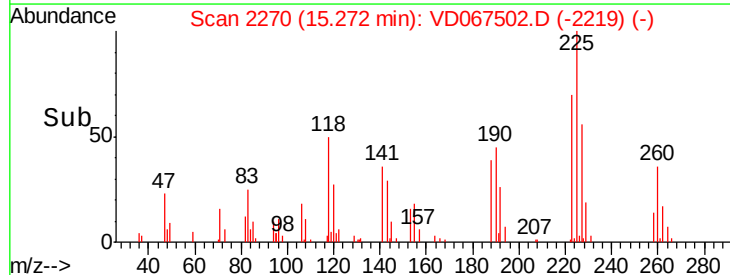
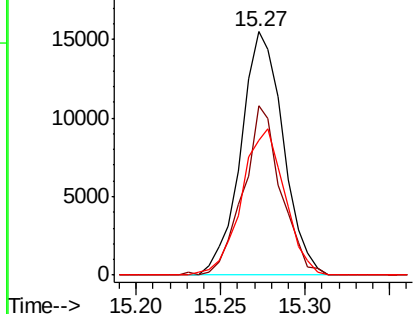


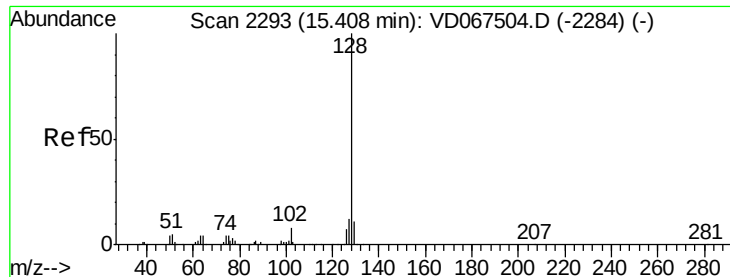
#94
 Hexachlorobutadiene
 Concen: 10.190 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.9	95.5
227	61.3	32.5	97.4



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

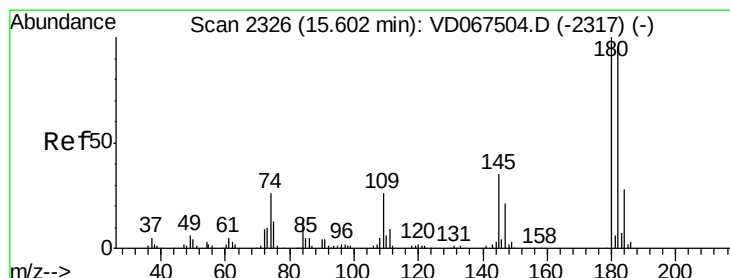
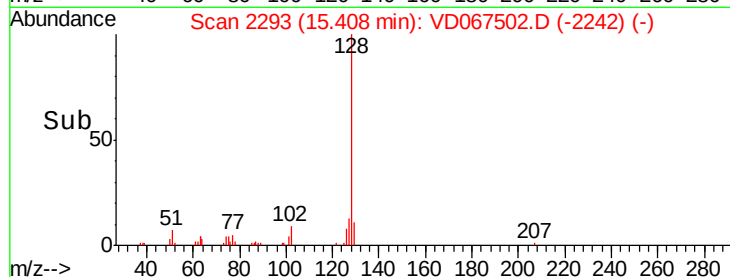
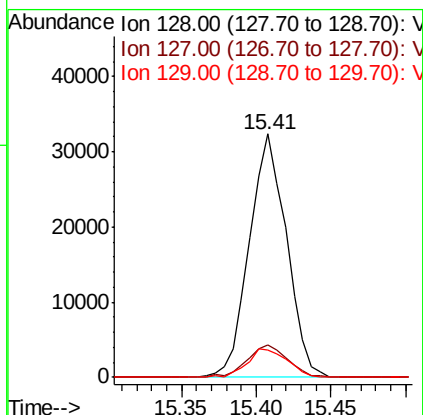
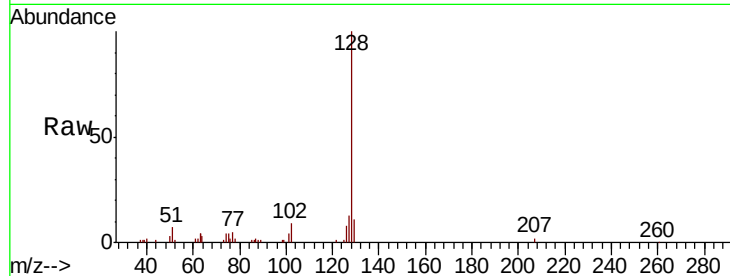




#95
Naphthalene
Concen: 9.080 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:128 Resp: 55630
Ion Ratio Lower Upper
128 100
127 14.4 10.2 15.4
129 12.5 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 9.653 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion:180 Resp: 32814
Ion Ratio Lower Upper
180 100
182 99.5 46.9 140.8
145 34.9 17.1 51.2

