

Data File : VV011502.D
Acq On : 14 Jun 2019 18:33
Operator : SY/MD
Sample : VSTD02053
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02035

Quant Time: Jun 14 18:52:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 14 18:24:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	194683	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	183956	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	86669	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	266890	18.09	ug/L	0.00
7) Chloroethane-d5	1.58	69	171511	13.99	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	511954	17.37	ug/L	0.00
20) 2-Butanone-d5	3.96	46	838656	252.52	ug/L	0.00
24) Chloroform-d	4.40	84	536972	20.69	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	298603	21.27	ug/L	0.00
32) Benzene-d6	5.09	84	1015531	18.45	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	319275	18.84	ug/L	0.00
41) Toluene-d8	7.36	98	930539	18.41	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	125279	19.39	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	701216	256.86	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	256119	22.16	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	325347	19.02	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	320880	16.712	ug/L	99
3) Chloromethane	1.25	50	364708	19.646	ug/L	100
5) Vinyl chloride	1.32	62	342022	19.095	ug/L	99
6) Bromomethane	1.53	94	158696	17.030	ug/L	99
8) Chloroethane	1.59	64	157389	13.751	ug/L	99
9) Trichlorofluoromethane	1.75	101	313856	12.765	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	202232	16.024	ug/L	98
12) 1,1-Dichloroethene	2.13	96	219225	17.873	ug/L	93
13) Acetone	2.22	43	494385	222.020	ug/L	97
14) Carbon disulfide	2.31	76	649858	17.465	ug/L	100
15) Methyl Acetate	2.47	43	128861	21.789	ug/L	100
16) Methylene chloride	2.53	84	243966	19.304	ug/L	96
17) Methyl tert-butyl Ether	2.81	73	697451	21.300	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	257352	18.739	ug/L	98
19) 1,1-Dichloroethane	3.22	63	530823	19.595	ug/L	98
21) 2-Butanone	4.04	43	885501	258.221	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	297893	19.587	ug/L	94
23) Bromochloromethane	4.30	128	113929	19.541	ug/L	97
25) Chloroform	4.42	83	536315	19.170	ug/L	99
27) 1,2-Dichloroethane	5.18	62	375856	21.984	ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	442495	18.860	ug/L	99
30) Cyclohexane	4.72	56	412927	15.873	ug/L	98
31) Carbon tetrachloride	4.87	117	364252	18.575	ug/L	99
33) Benzene	5.14	78	1121569	19.161	ug/L	100
34) Trichloroethene	5.96	95	284493	18.813	ug/L	98
35) Methylcyclohexane	6.17	83	400588	16.018	ug/L	97
37) 1,2-Dichloropropane	6.22	63	293908	20.174	ug/L	99
38) Bromodichloromethane	6.55	83	368860	20.479	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	436334	20.471	ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	2255317	243.095	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1186923	19.025	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	348078	21.480	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	198841	21.322	ug/L	98
47) Tetrachloroethene	8.02	164	197661	18.087	ug/L	97
48) 2-Hexanone	8.19	43	1614871	249.579	ug/L	100
49) Dibromochloromethane	8.29	129	231797	21.882	ug/L	97
50) 1,2-Dibromoethane	8.40	107	190316	21.469	ug/L	99
51) Chlorobenzene	8.92	112	725197	19.061	ug/L	98
52) Ethylbenzene	9.05	91	1299011	18.749	ug/L	99
53) m,p-xylene	9.18	106	480930	18.770	ug/L	99
54) o-xylene	9.59	106	486103	19.332	ug/L	97
55) Styrene	9.60	104	836753	20.432	ug/L	99
56) Isopropylbenzene	9.97	105	1225331	18.106	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	254692	22.527	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	190470	22.415	ug/L	99
61) Bromoform	9.78	173	116113	22.302	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	537544	18.756	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	537998	19.338	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	528332	19.945	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	39938	21.040	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	400117	19.406	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	339081	21.662	ug/L	100
69) Naphthalene	13.55	128	698554	27.264	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	322477	22.974	ug/L	99

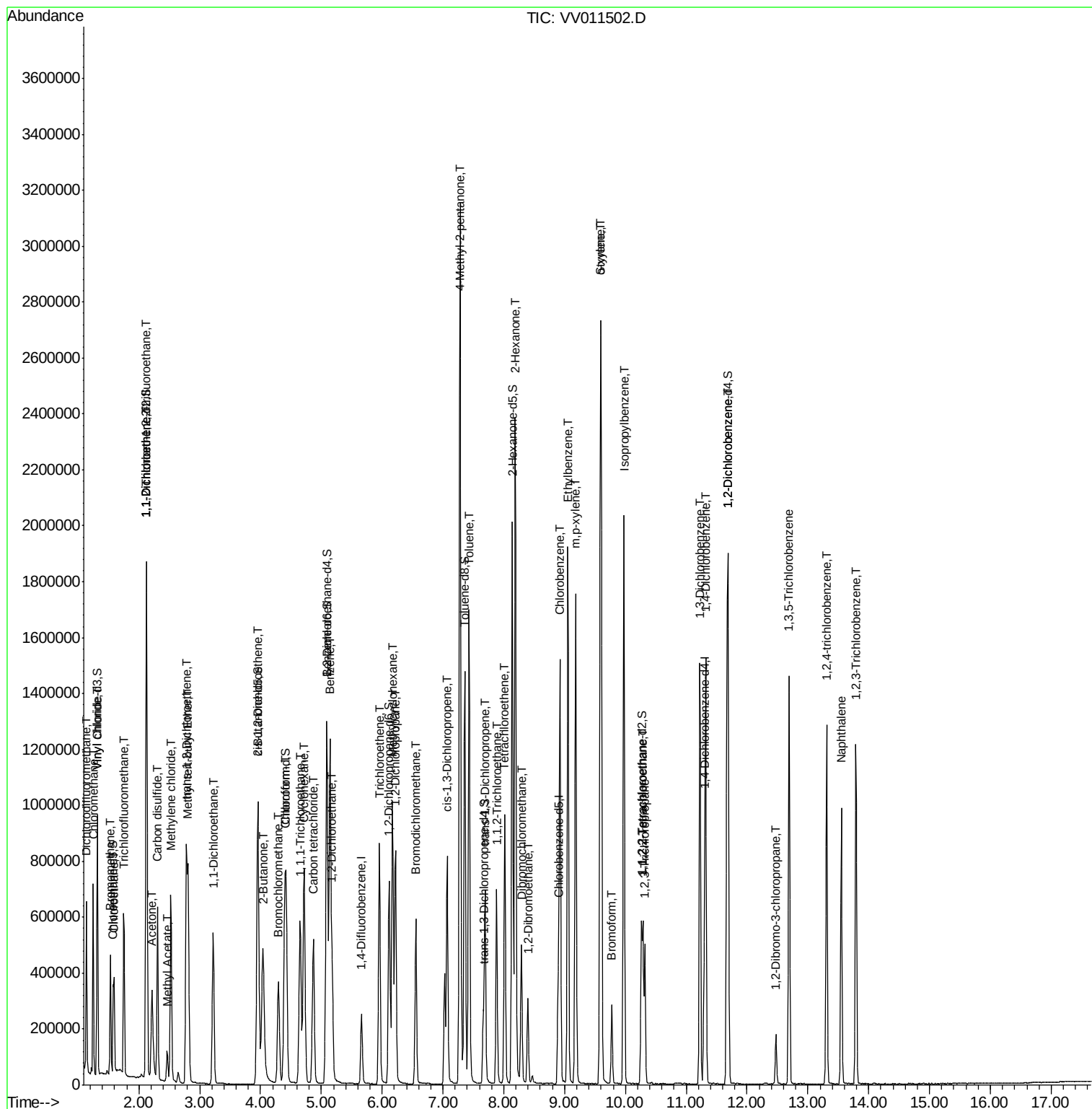
(#) = qualifier out of range (m) = manual integration (+) = signals summed

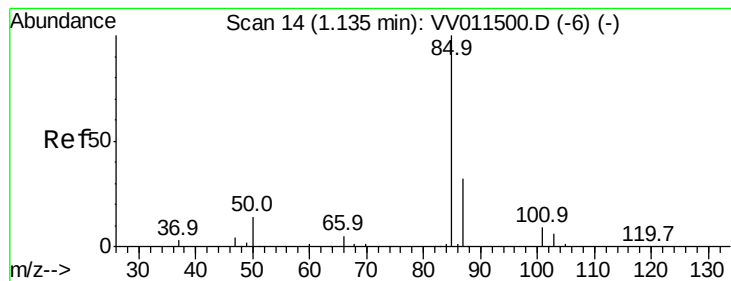
Data File : VV011502.D

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#2

Dichlorodifluoromethane

Concen: 16.712 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV011502.D

Acq: 14 Jun 2019 18:33

Instrument :

MSVOA_V

ClientSampleId :

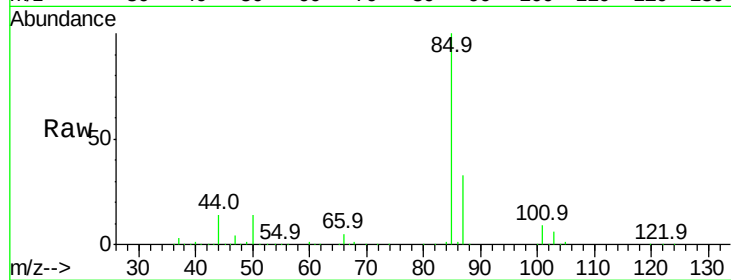
VSTD02035

Tgt Ion: 85 Resp: 320880

Ion Ratio Lower Upper

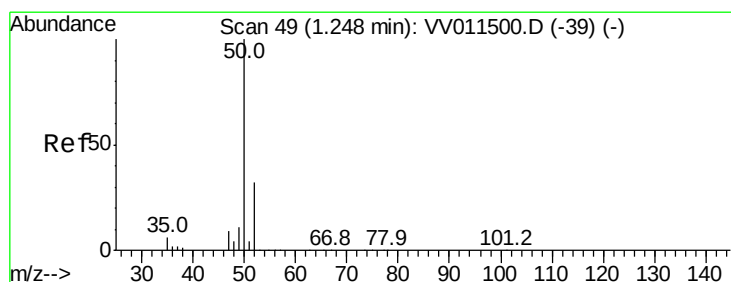
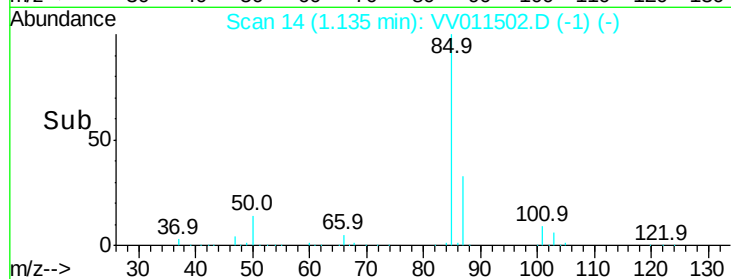
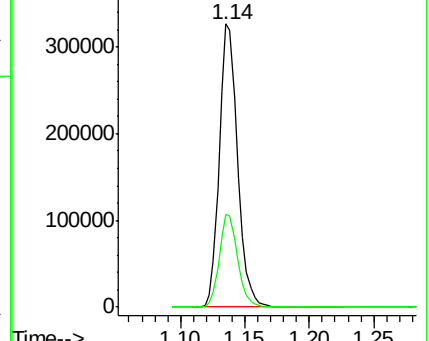
85 100

87 32.7 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 19.646 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011502.D

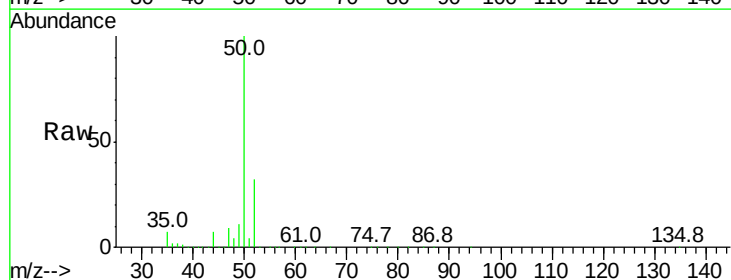
Acq: 14 Jun 2019 18:33

Tgt Ion: 50 Resp: 364708

Ion Ratio Lower Upper

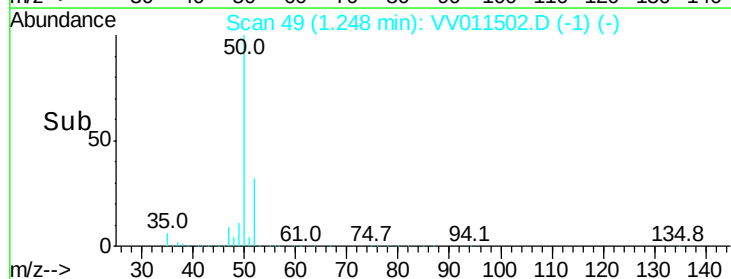
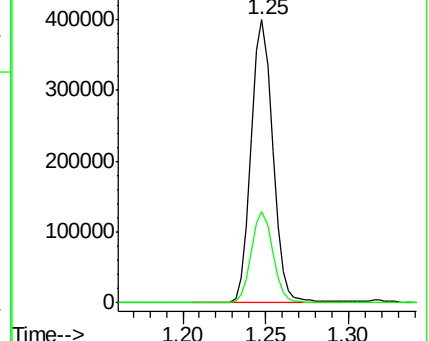
50 100

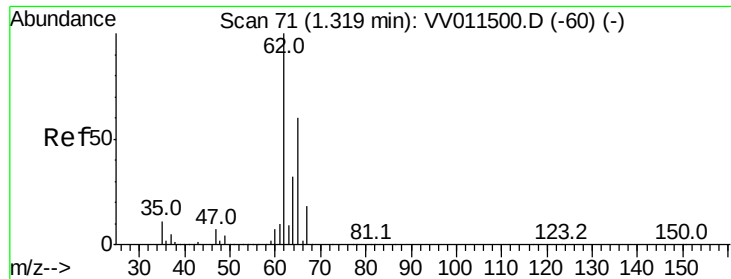
52 32.2 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 19.095 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011502.D

Acq: 14 Jun 2019 18:33

Instrument :

MSVOA_V

ClientSampleId :

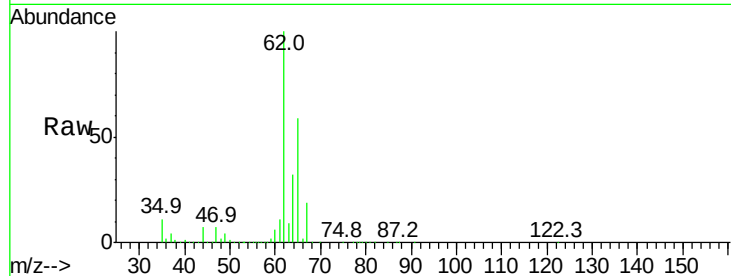
VSTD02035

Tgt Ion: 62 Resp: 342022

Ion Ratio Lower Upper

62 100

64 32.3 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

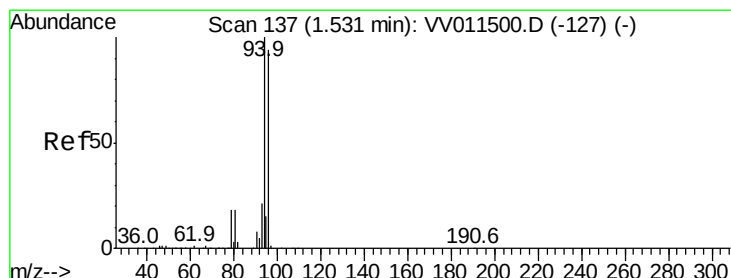
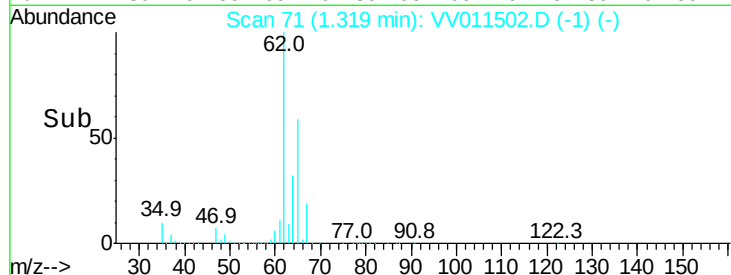
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 17.030 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV011502.D

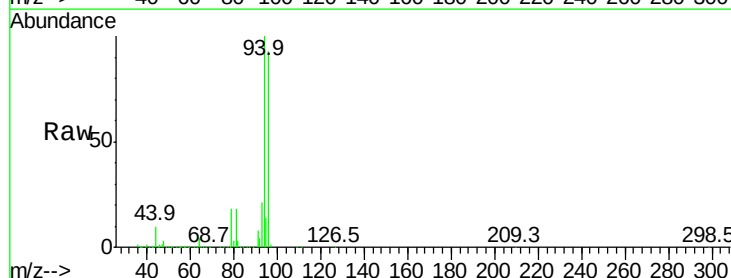
Acq: 14 Jun 2019 18:33

Tgt Ion: 94 Resp: 158696

Ion Ratio Lower Upper

94 100

96 92.9 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

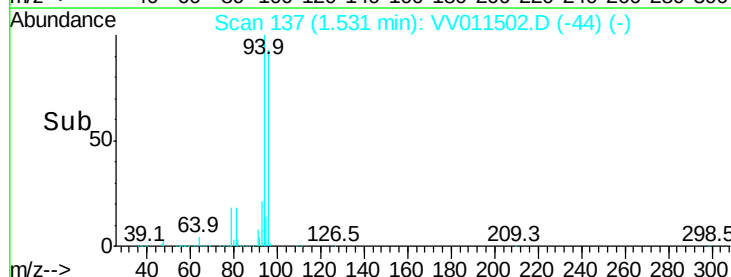
150000

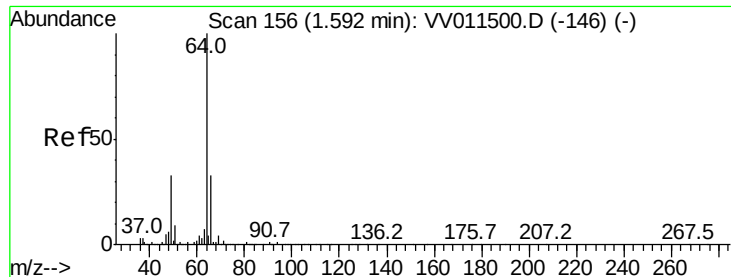
100000

50000

0

Time-->





#8

Chloroethane

Concen: 13.751 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV011502.D

Acq: 14 Jun 2019 18:33

Instrument :

MSVOA_V

ClientSampleId :

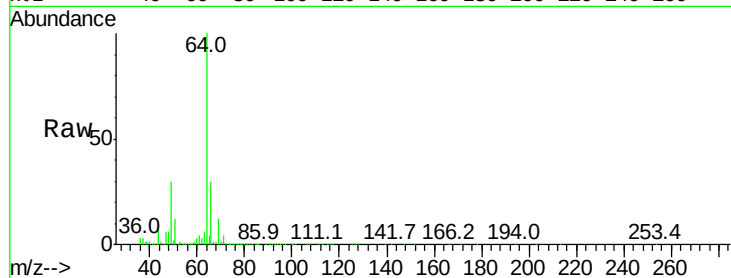
VSTD02035

Tgt Ion: 64 Resp: 157389

Ion Ratio Lower Upper

64 100

66 30.1 21.6 40.2



Abundance Ion 64.10 (63.80 to 64.80): VV011500.D (-146) (-)

Ion 66.05 (65.75 to 66.75): VV011500.D (-146) (-)

1.59

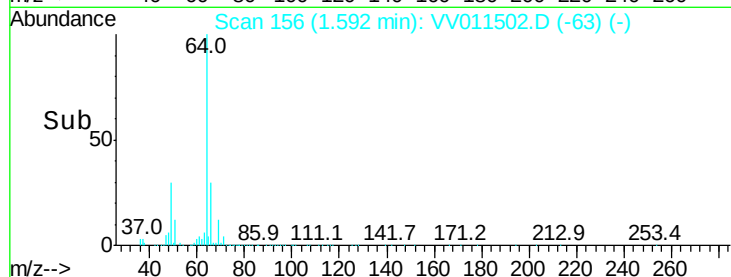
150000

100000

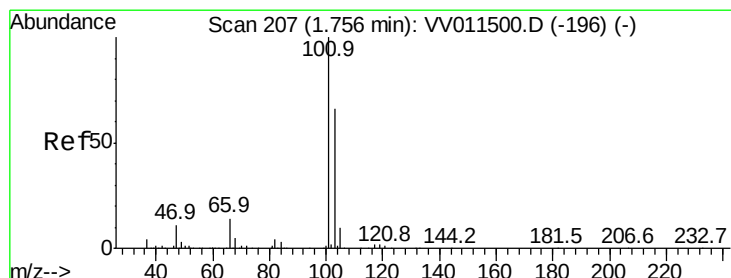
50000

0

Time-->



Time-->



#9

Trichlorofluoromethane

Concen: 12.765 ug/L

RT: 1.75 min Scan# 206

Delta R.T. -0.00 min

Lab File: VV011502.D

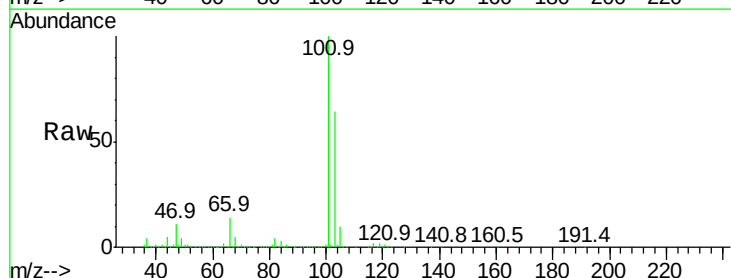
Acq: 14 Jun 2019 18:33

Tgt Ion: 101 Resp: 313856

Ion Ratio Lower Upper

101 100

103 64.2 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV011500.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV011500.D (-196) (-)

1.75

250000

200000

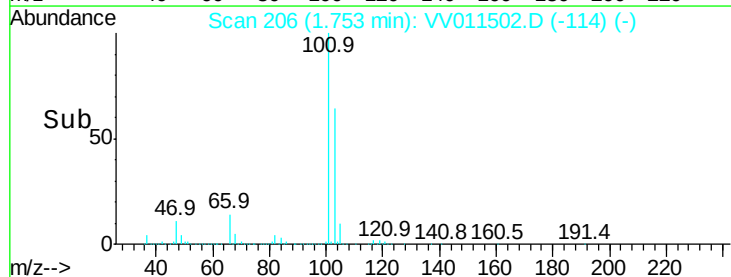
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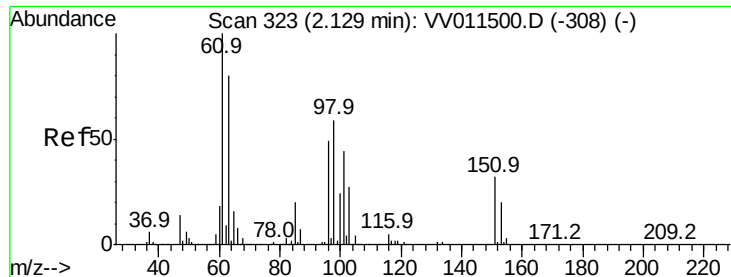
100000

50000

0

Time-->





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 16.024 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV011502.D

Acq: 14 Jun 2019 18:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD02035

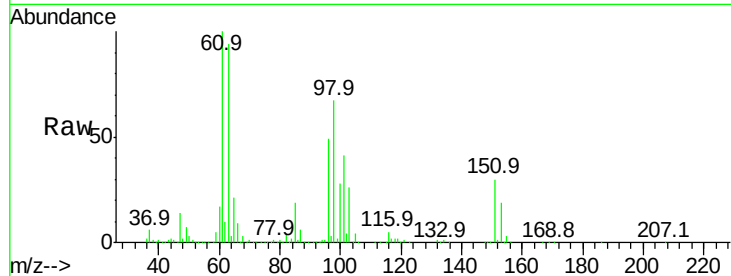
Tgt Ion: 101 Resp: 202232

Ion Ratio Lower Upper

101 100

85 45.6 37.3 55.9

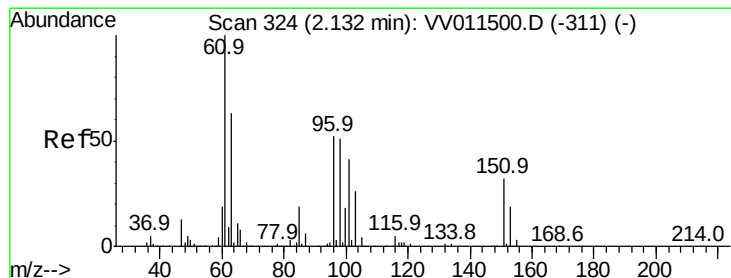
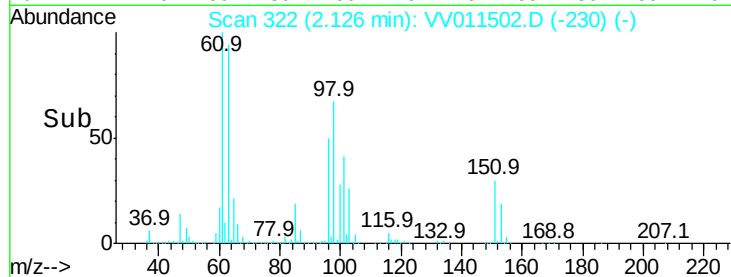
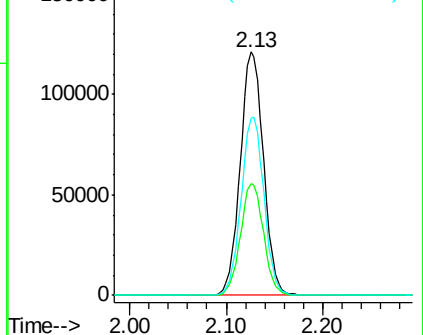
151 72.1 59.4 89.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 17.873 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011502.D

Acq: 14 Jun 2019 18:33

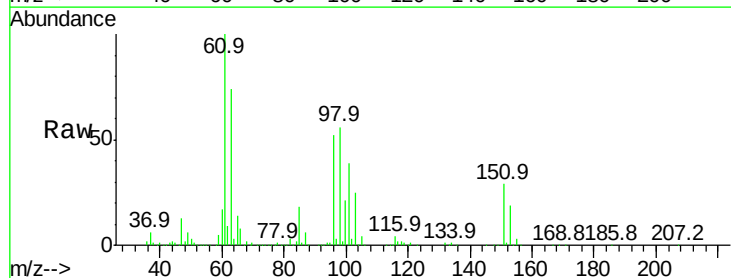
Tgt Ion: 96 Resp: 219225

Ion Ratio Lower Upper

96 100

61 194.0 135.9 252.5

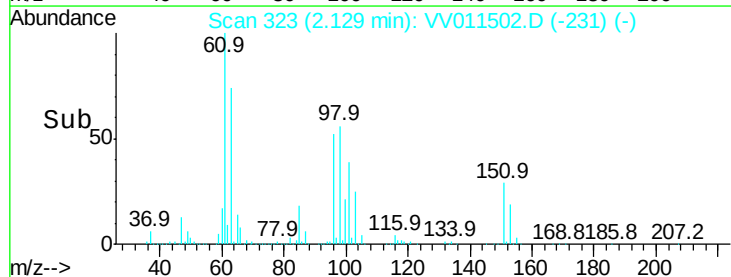
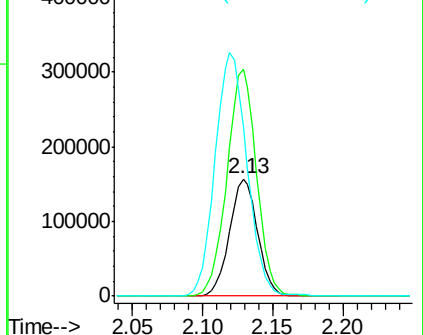
63 143.9 86.2 160.2

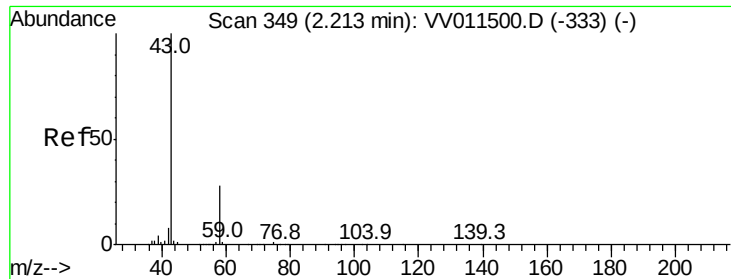


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 222.020 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.00 min

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Instrument :

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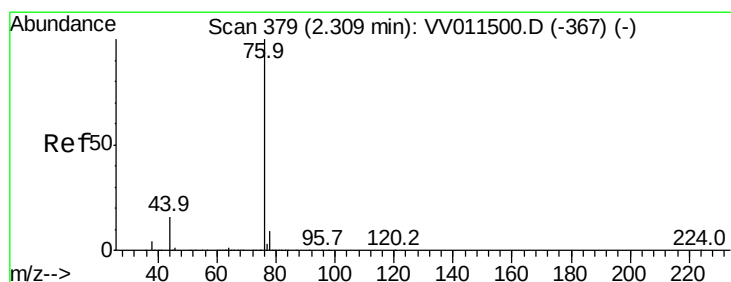
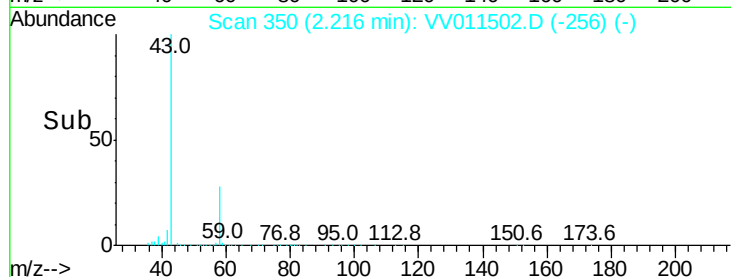
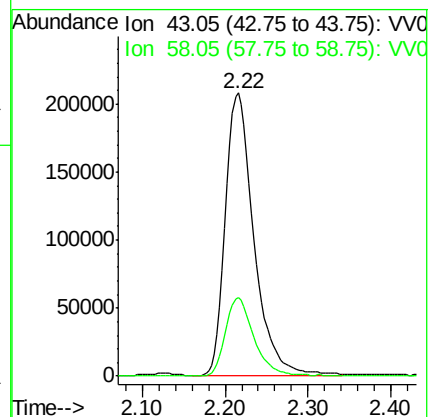
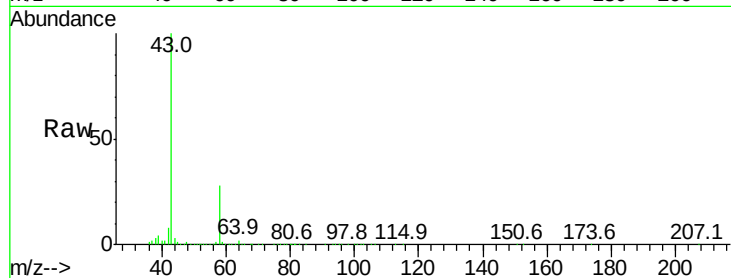
VSTD02035

Tgt Ion: 43 Resp: 494385

Ion Ratio Lower Upper

43 100

58 27.4 0.0 57.8



#14

Carbon disulfide

Concen: 17.465 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV011502.D

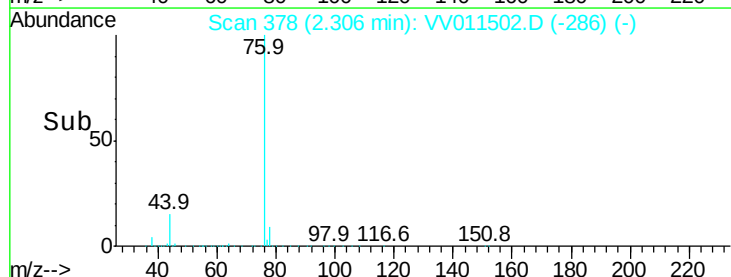
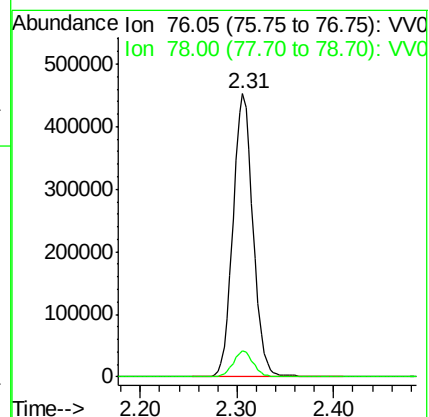
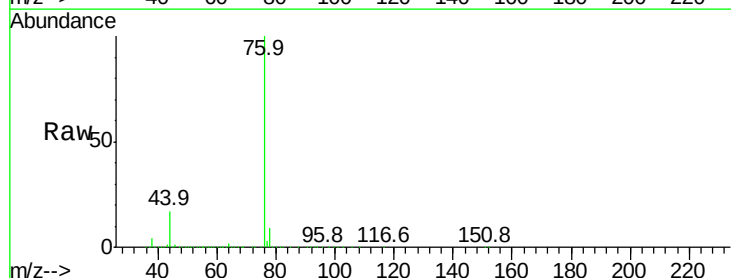
Acq: 14 Jun 2019 18:33

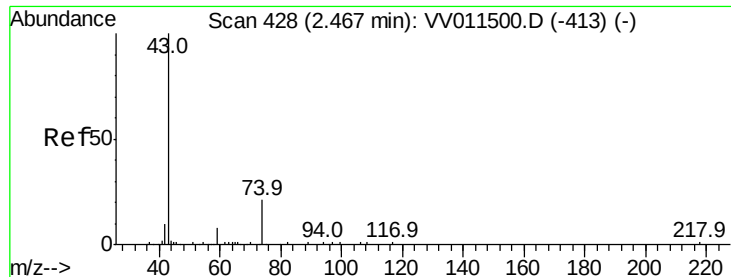
Tgt Ion: 76 Resp: 649858

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2





#15

Methyl Acetate

Concen: 21.789 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.00 min

Lab File: VV011502.D

Acq: 14 Jun 2019 18:33

Instrument :

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ClientSampleId :

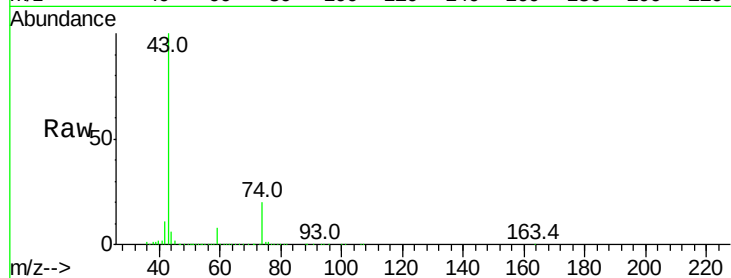
VSTD02035

Tgt Ion: 43 Resp: 128861

Ion Ratio Lower Upper

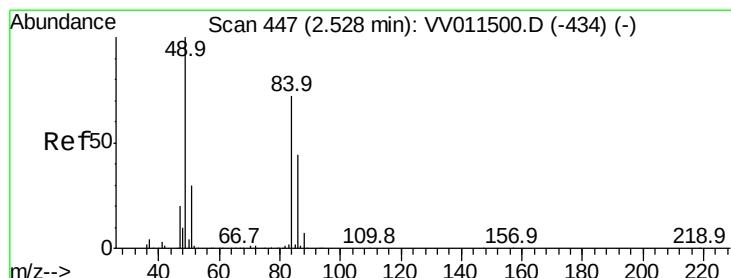
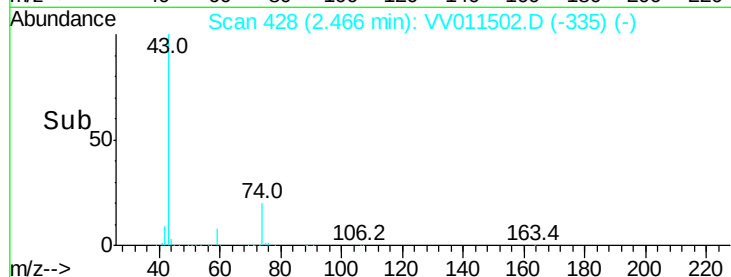
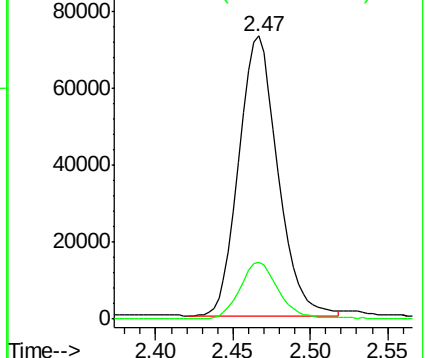
43 100

74 20.5 16.5 24.7



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 19.304 ug/L

RT: 2.53 min Scan# 447

Delta R.T. -0.00 min

Lab File: VV011502.D

Acq: 14 Jun 2019 18:33

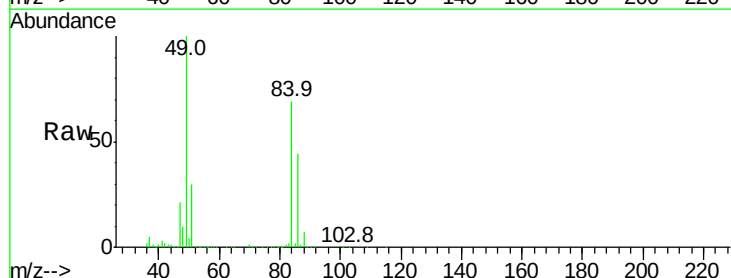
Tgt Ion: 84 Resp: 243966

Ion Ratio Lower Upper

84 100

86 63.2 42.5 78.9

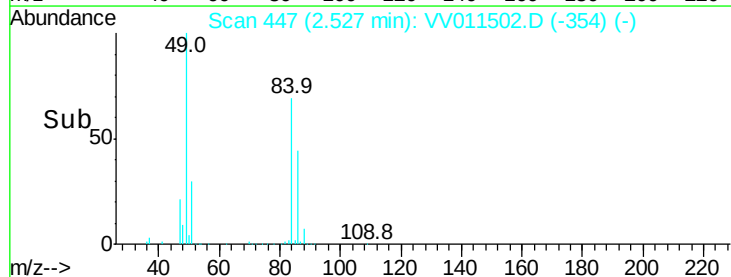
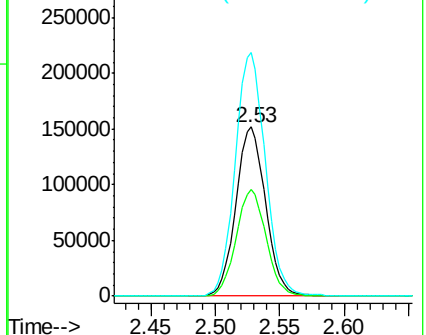
49 144.1 97.7 181.5

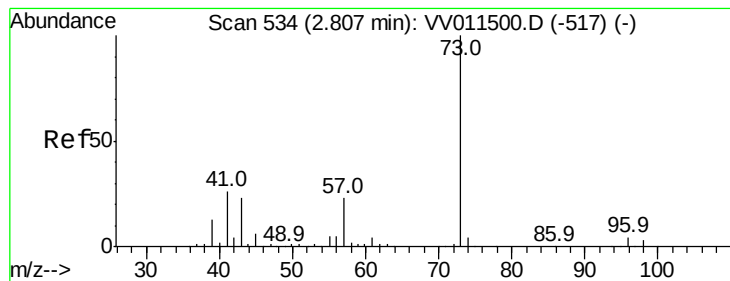


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#17

Methyl tert-butyl Ether

Concen: 21.300 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV011502.D

Acq: 14 Jun 2019 18:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD02035

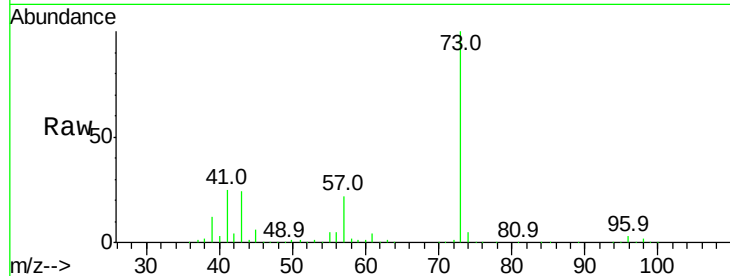
Tgt Ion: 73 Resp: 697451

Ion Ratio Lower Upper

73 100

43 23.2 18.2 27.4

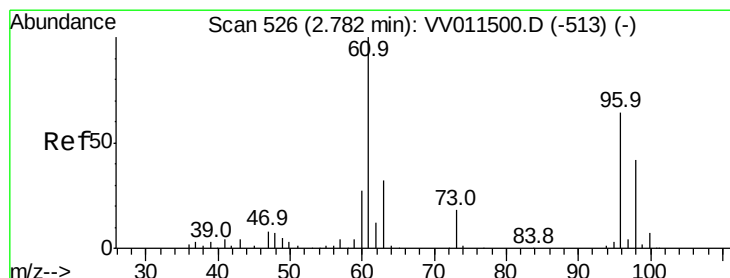
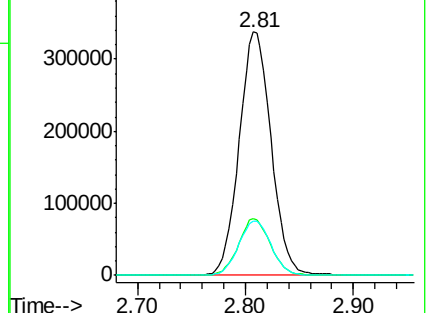
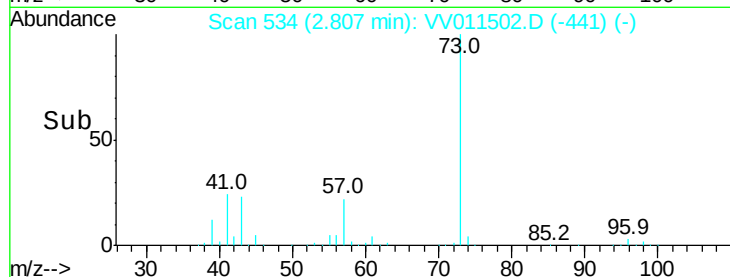
57 22.7 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 18.739 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV011502.D

Acq: 14 Jun 2019 18:33

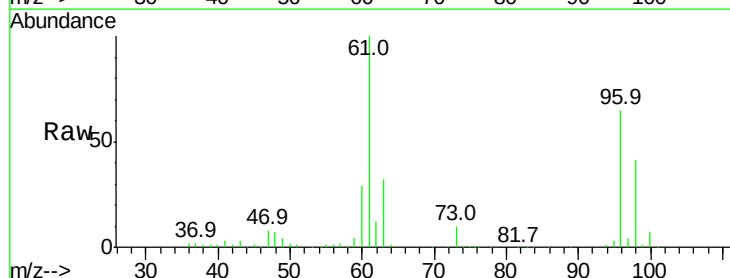
Tgt Ion: 96 Resp: 257352

Ion Ratio Lower Upper

96 100

61 154.0 110.0 204.4

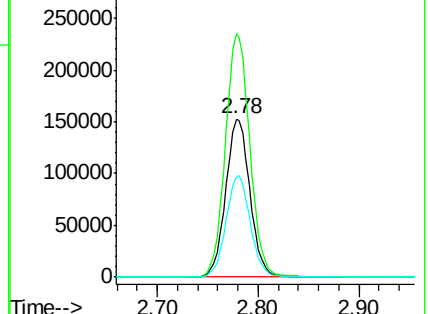
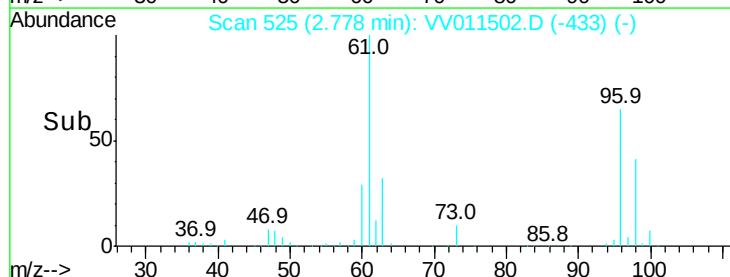
98 63.4 45.8 85.0

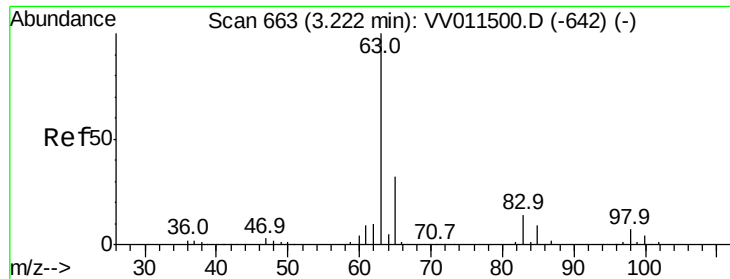


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

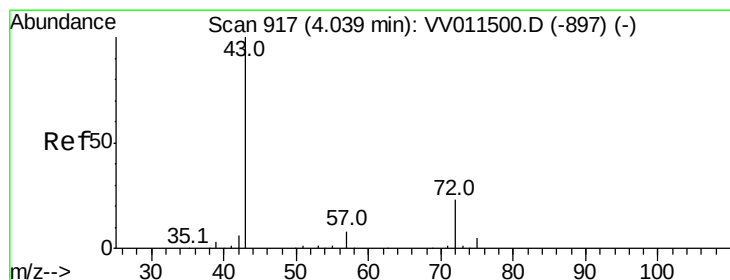
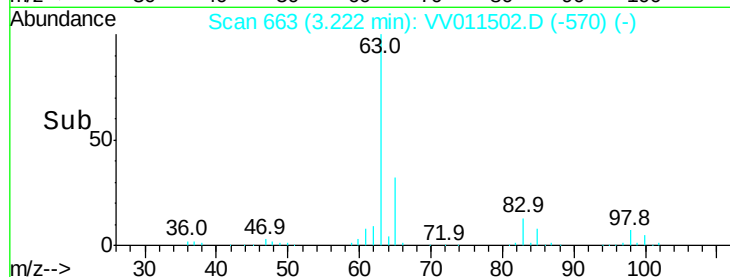
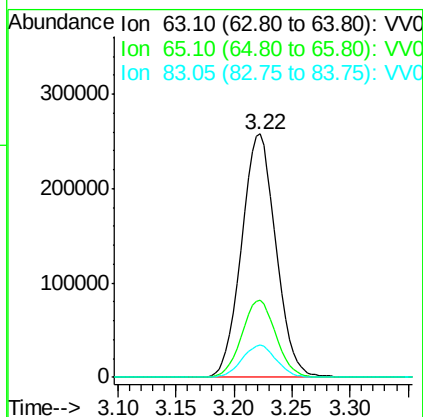
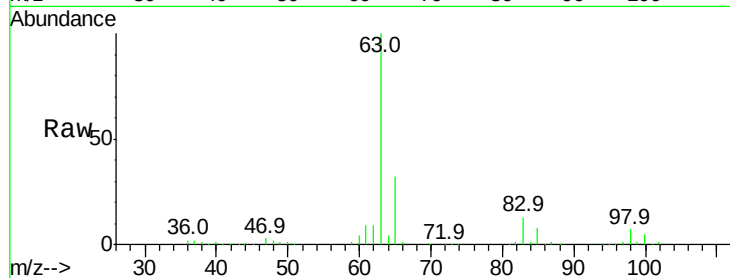




#19
 1,1-Dichloroethane
 Concen: 19.595 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV011502.D
 Acq: 14 Jun 2019 18:33

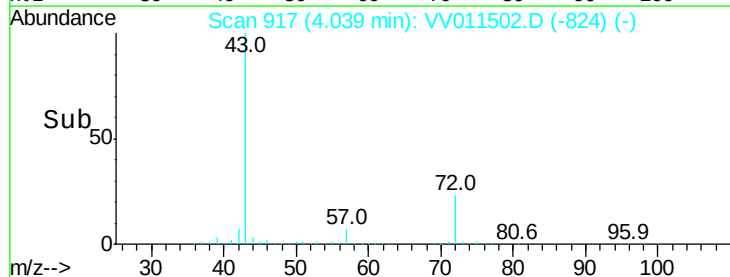
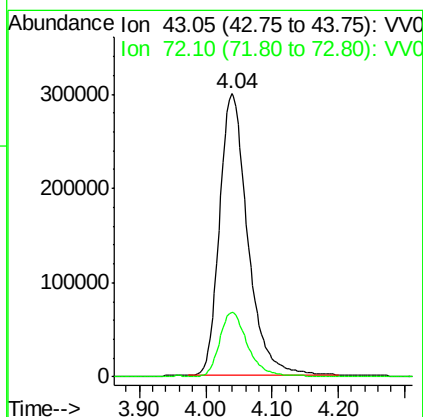
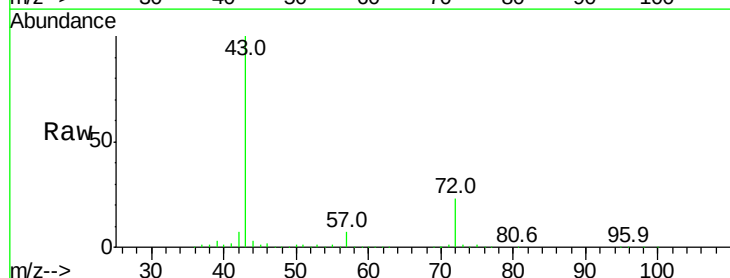
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02035

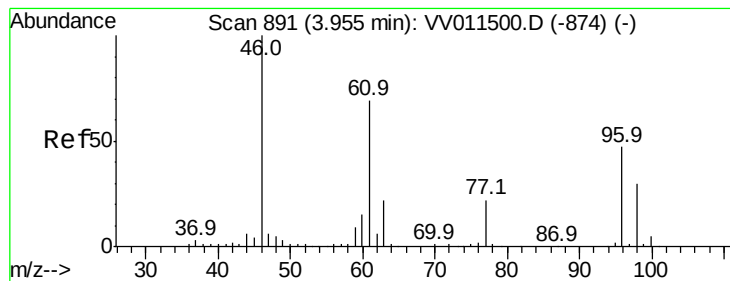
Tgt Ion: 63 Resp: 530823
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.5 41.9
 83 13.4 10.1 18.9



#21
 2-Butanone
 Concen: 258.221 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VV011502.D
 Acq: 14 Jun 2019 18:33

Tgt Ion: 43 Resp: 885501
 Ion Ratio Lower Upper
 43 100
 72 22.7 11.8 35.4



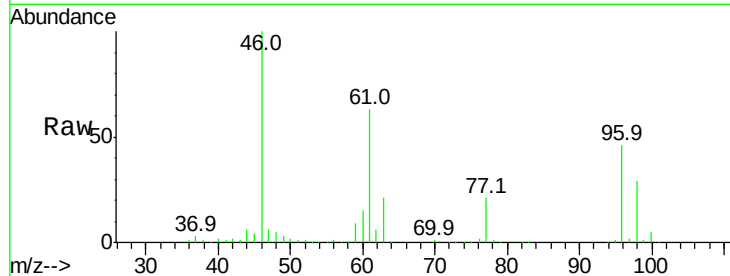


#22

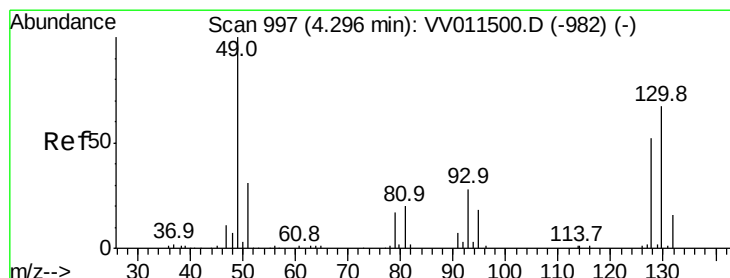
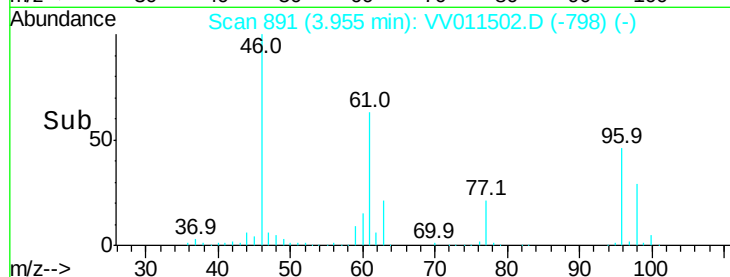
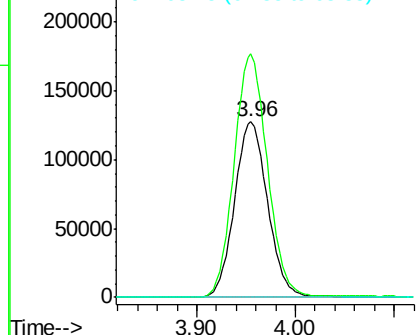
cis-1,2-Dichloroethene
Concen: 19.587 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV011502.D
Acq: 14 Jun 2019 18:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD02035

Tgt Ion: 96 Resp: 297893
Ion Ratio Lower Upper
96 100
61 138.8 102.2 189.8
68 0.0 0.0 0.0



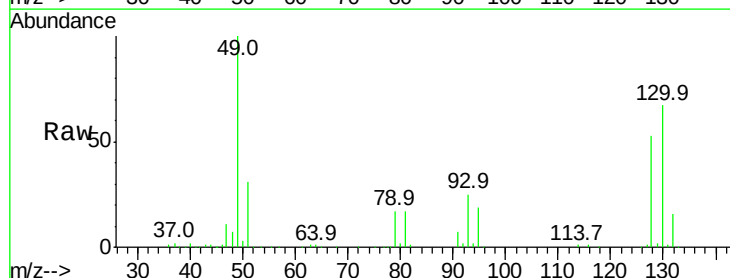
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



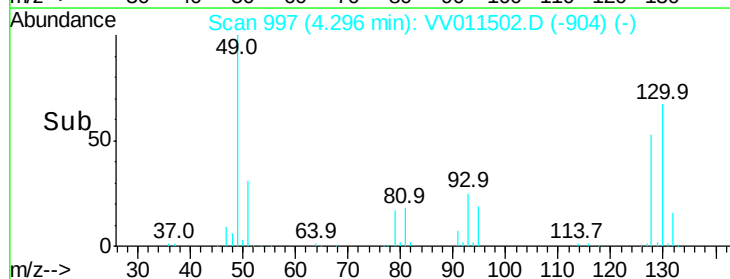
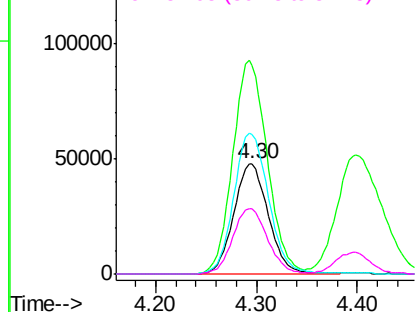
#23

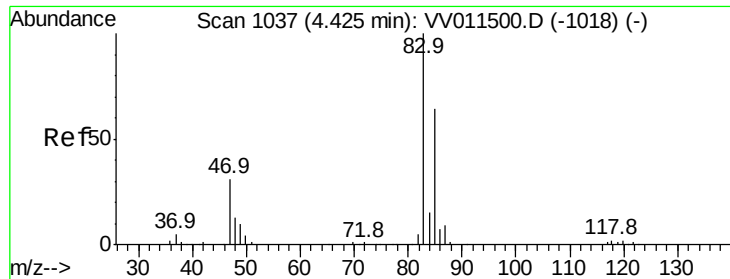
Bromochloromethane
Concen: 19.541 ug/L
RT: 4.30 min Scan# 997
Delta R.T. -0.00 min
Lab File: VV011502.D
Acq: 14 Jun 2019 18:33

Tgt Ion: 128 Resp: 113929
Ion Ratio Lower Upper
128 100
49 189.5 136.2 253.0
130 127.2 91.3 169.5
51 58.9 47.4 71.0



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

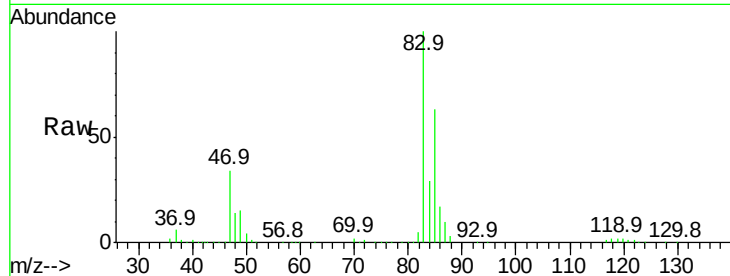




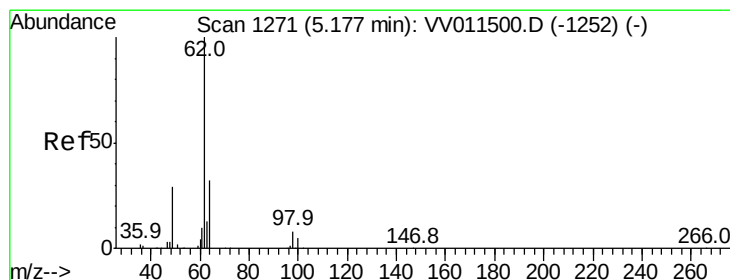
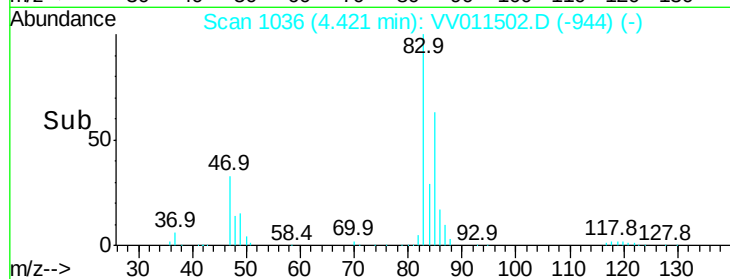
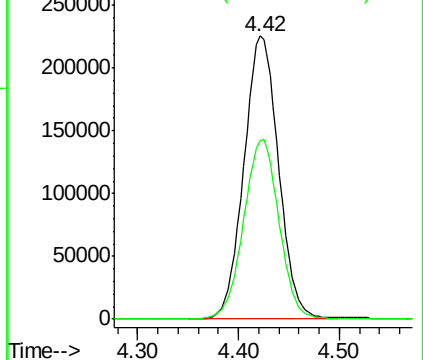
#25
Chloroform
Concen: 19.170 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV011502.D
Acq: 14 Jun 2019 18:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD02035

Tgt Ion: 83 Resp: 536315
Ion Ratio Lower Upper
83 100
85 63.0 44.6 82.8

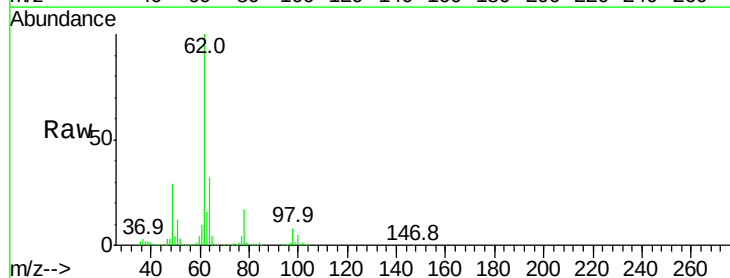


Abundance Ion 83.05 (82.75 to 83.75): VV011502.D (-944) (-)
Ion 85.00 (84.70 to 85.70): VV011502.D (-944) (-)

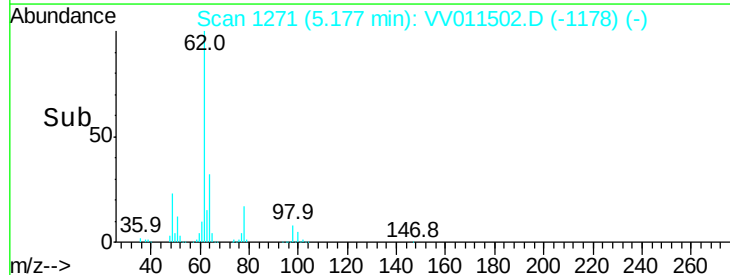
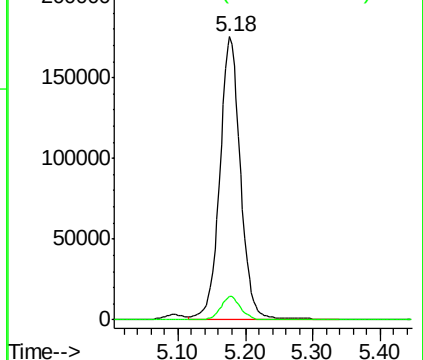


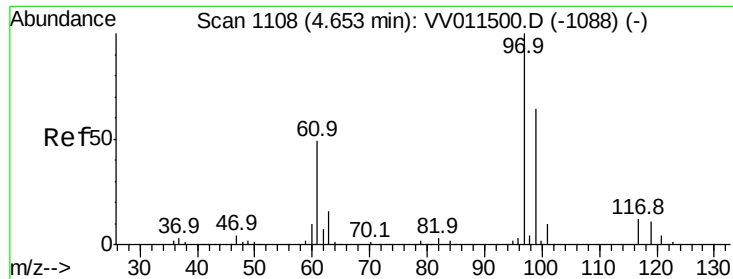
#27
1,2-Dichloroethane
Concen: 21.984 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV011502.D
Acq: 14 Jun 2019 18:33

Tgt Ion: 62 Resp: 375856
Ion Ratio Lower Upper
62 100
98 8.2 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VV011502.D (-1178) (-)
Ion 98.05 (97.75 to 98.75): VV011502.D (-1178) (-)

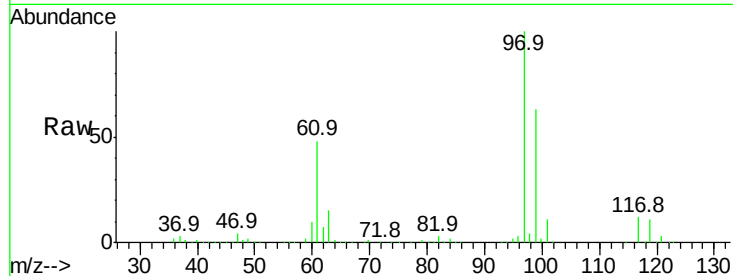




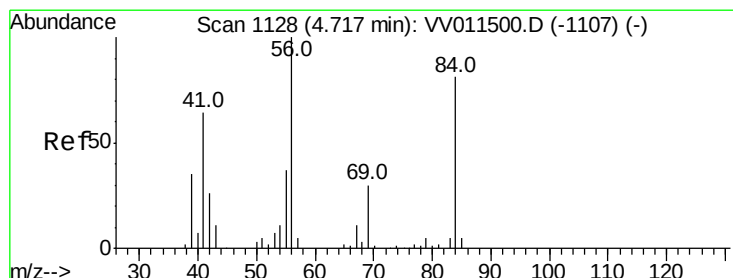
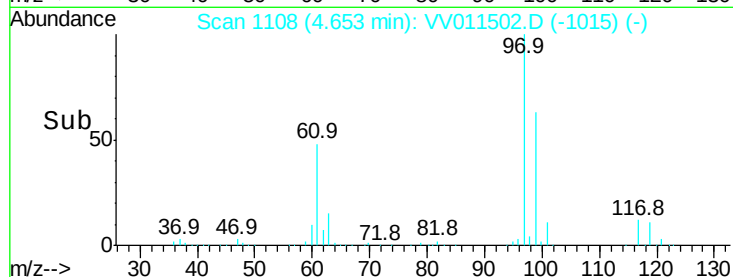
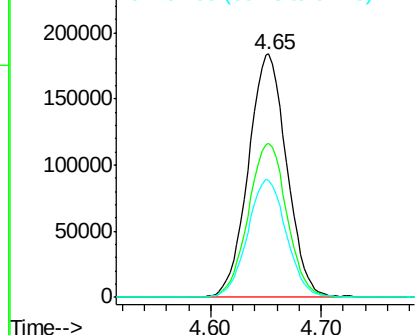
#29
1,1,1-Trichloroethane
Concen: 18.860 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VV011502.D
Acq: 14 Jun 2019 18:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD02035

Tgt Ion: 97 Resp: 442495
Ion Ratio Lower Upper
97 100
99 64.0 51.6 77.4
61 49.2 40.4 60.6

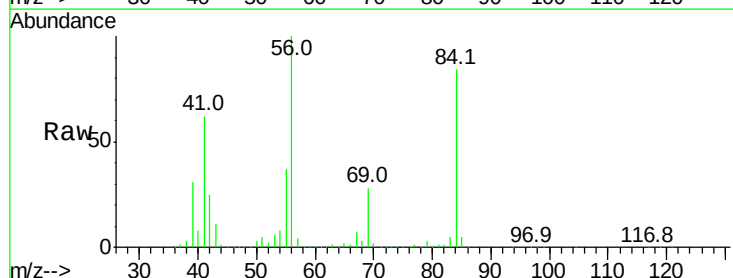


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

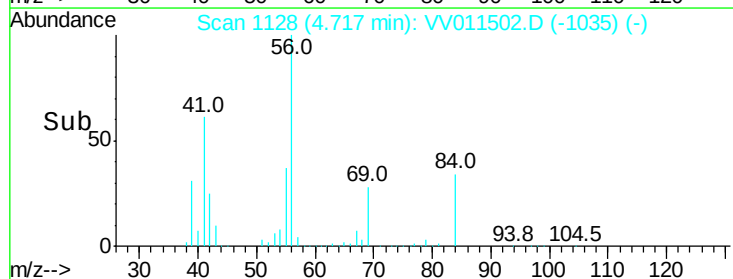
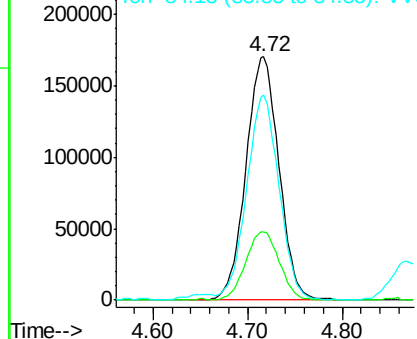


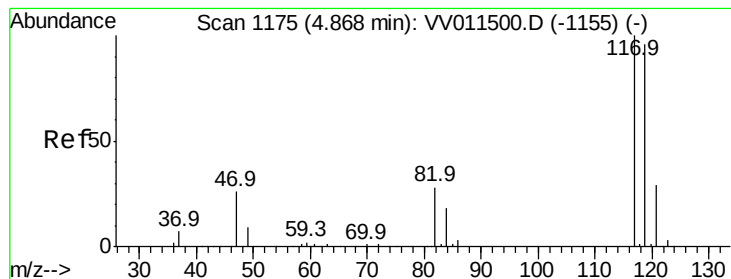
#30
Cyclohexane
Concen: 15.873 ug/L
RT: 4.72 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VV011502.D
Acq: 14 Jun 2019 18:33

Tgt Ion: 56 Resp: 412927
Ion Ratio Lower Upper
56 100
69 28.8 24.1 36.1
84 82.2 66.8 100.2



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 18.575 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV011502.D

Acq: 14 Jun 2019 18:33

Instrument :

MSVOA_V

ClientSampleId :

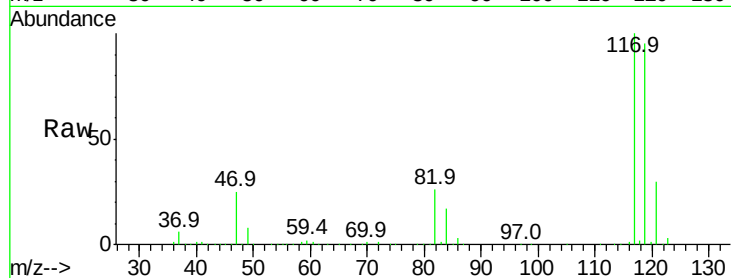
VSTD02035

Tgt Ion:117 Resp: 364252

Ion Ratio Lower Upper

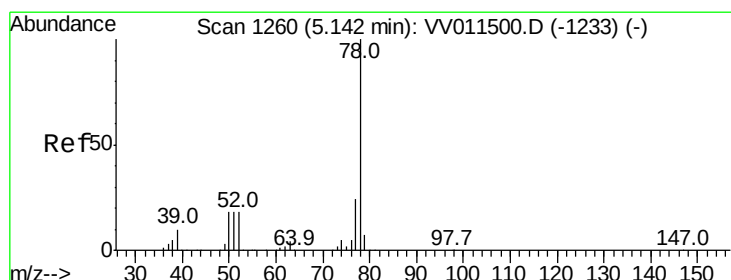
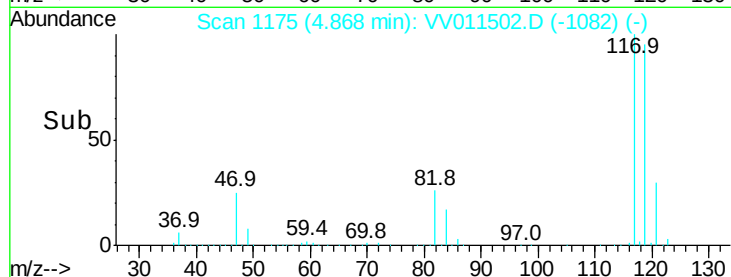
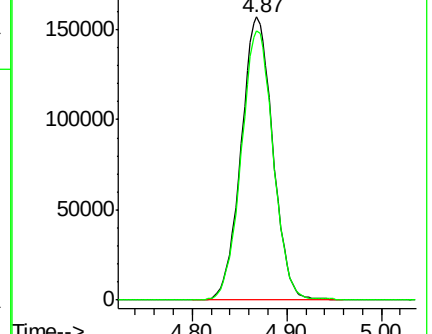
117 100

119 96.2 77.4 116.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 19.161 ug/L

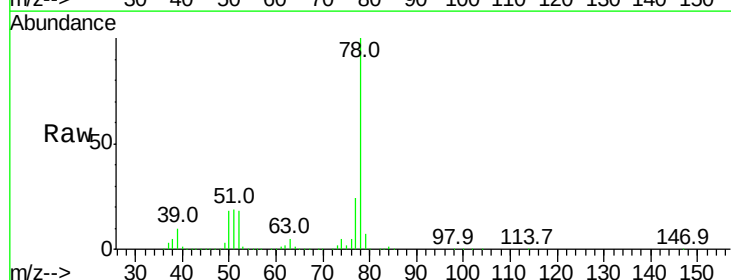
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

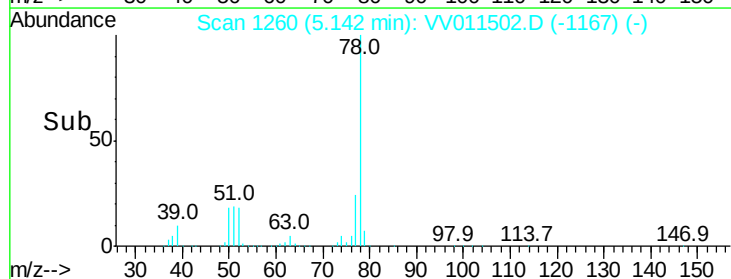
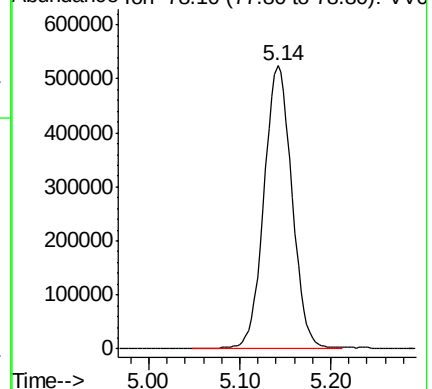
Lab File: VV011502.D

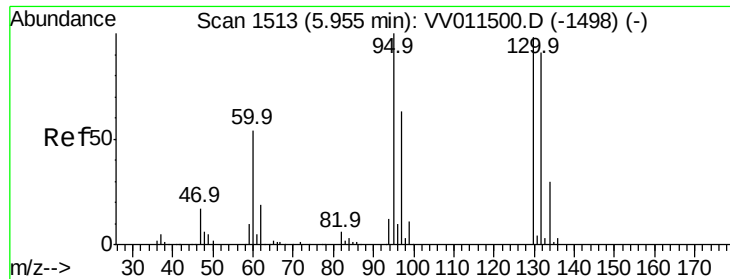
Acq: 14 Jun 2019 18:33

Tgt Ion: 78 Resp: 1121569



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 18.813 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011502.D

Acq: 14 Jun 2019 18:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD02035

Tgt Ion: 95 Resp: 284493

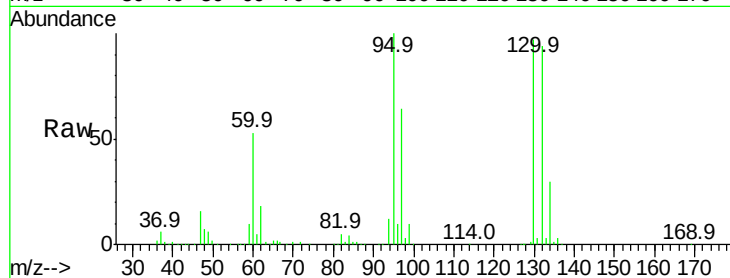
Ion Ratio Lower Upper

95 100

97 63.7 44.4 82.4

132 94.0 63.5 117.9

130 96.8 68.5 127.3

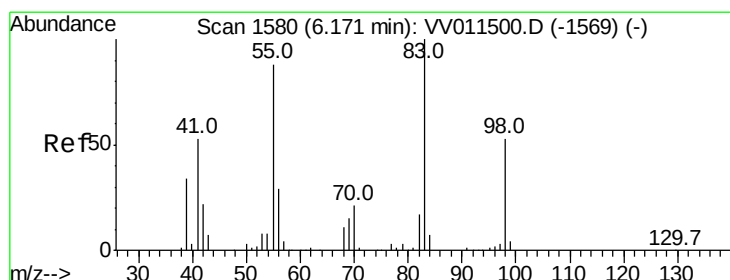
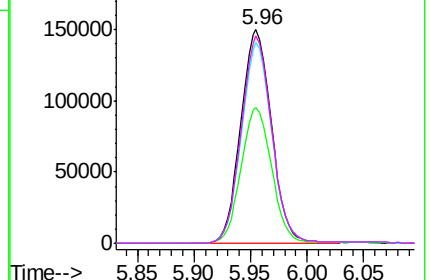
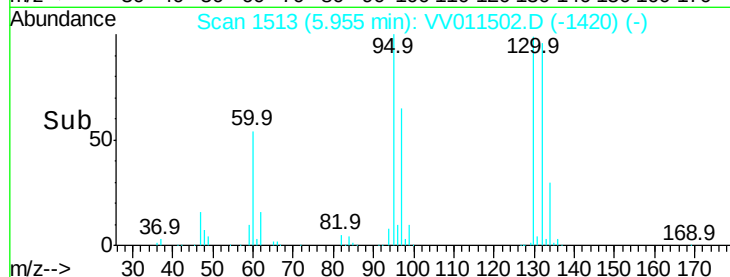


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 16.018 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV011502.D

Acq: 14 Jun 2019 18:33

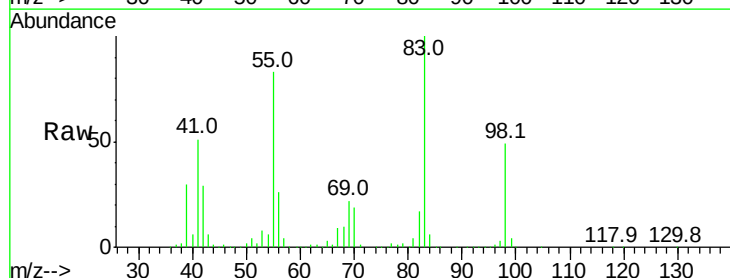
Tgt Ion: 83 Resp: 400588

Ion Ratio Lower Upper

83 100

55 82.2 67.9 101.9

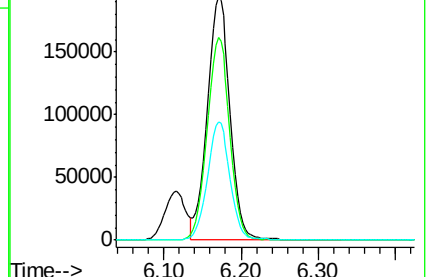
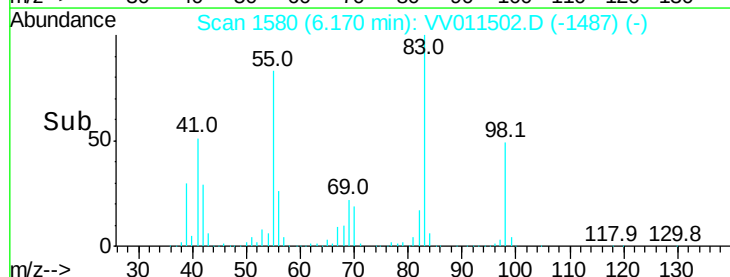
98 47.1 39.6 59.4

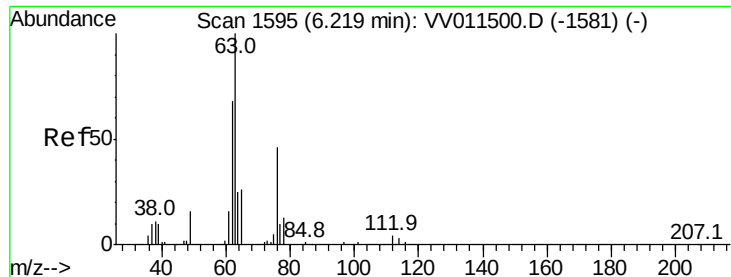


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

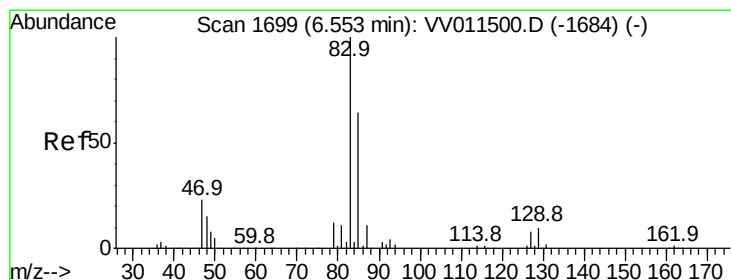
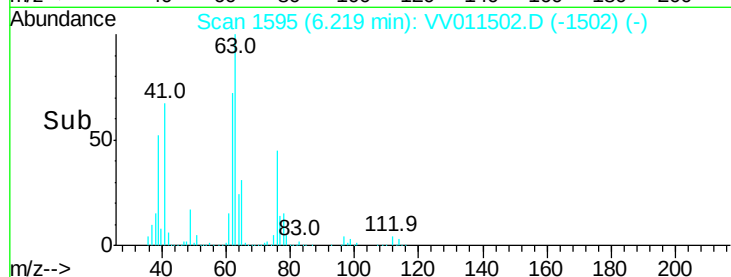
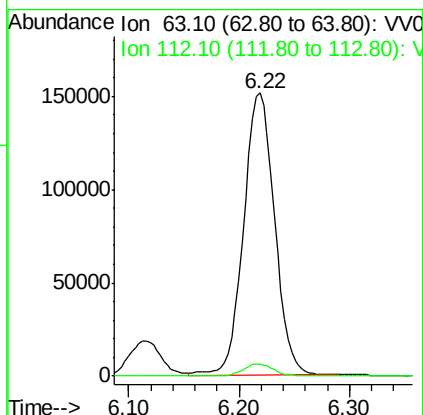
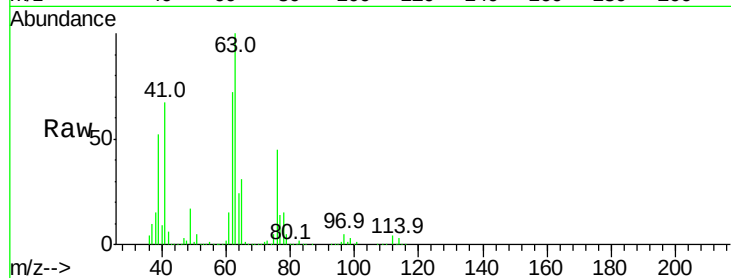




#37
 1,2-Dichloropropane
 Concen: 20.174 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV011502.D
 Acq: 14 Jun 2019 18:33

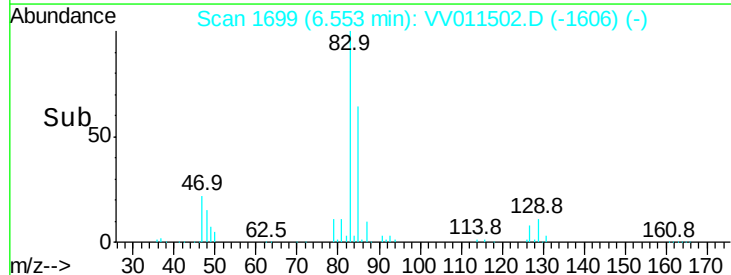
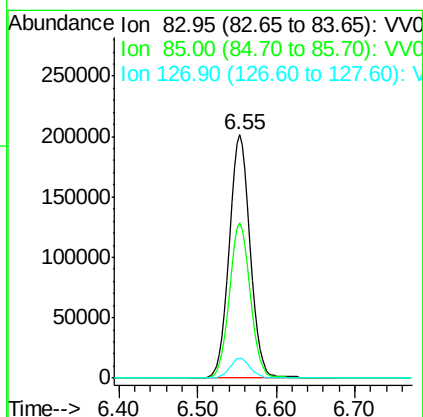
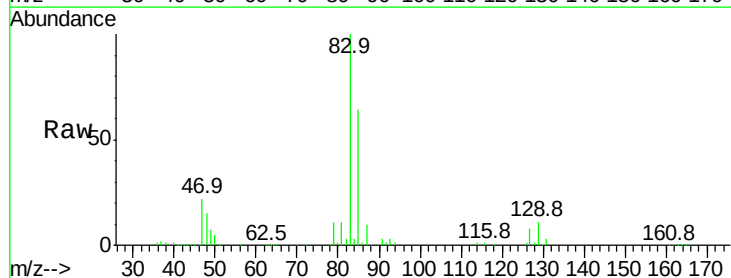
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02035

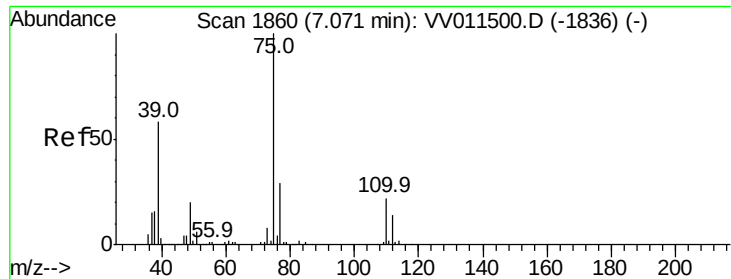
Tgt Ion: 63 Resp: 293908
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.7 5.5



#38
 Bromodichloromethane
 Concen: 20.479 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV011502.D
 Acq: 14 Jun 2019 18:33

Tgt Ion: 83 Resp: 368860
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.7 83.1
 127 8.2 6.2 9.4

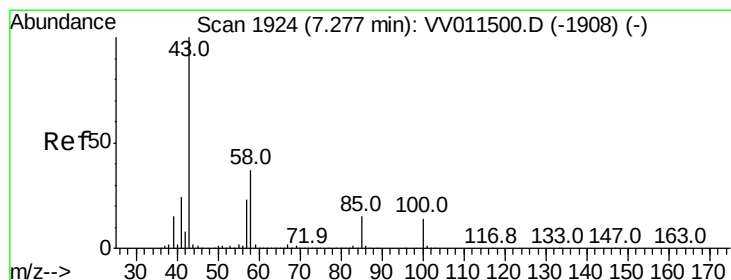
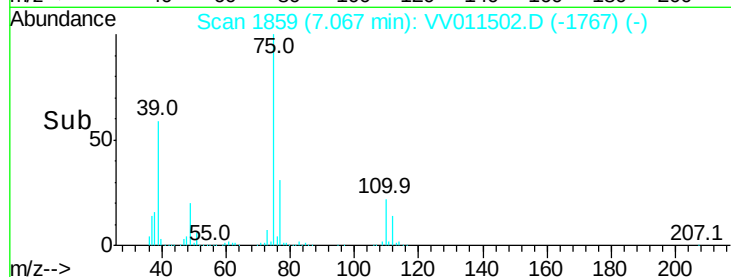
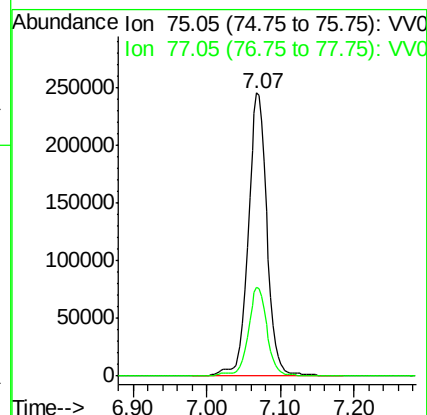
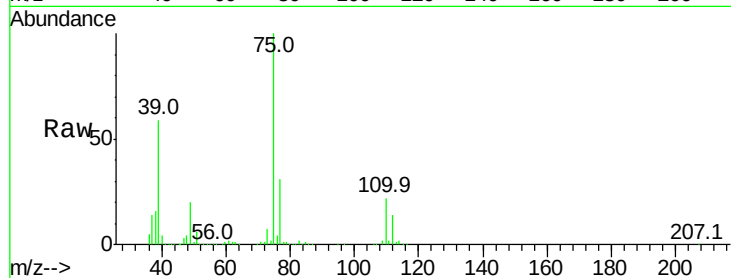




#39
 cis-1,3-Dichloropropene
 Concen: 20.471 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV011502.D
 Acq: 14 Jun 2019 18:33

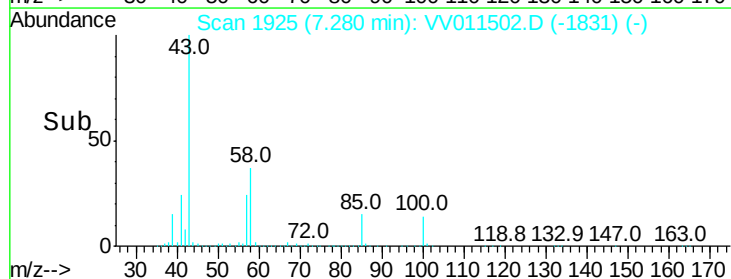
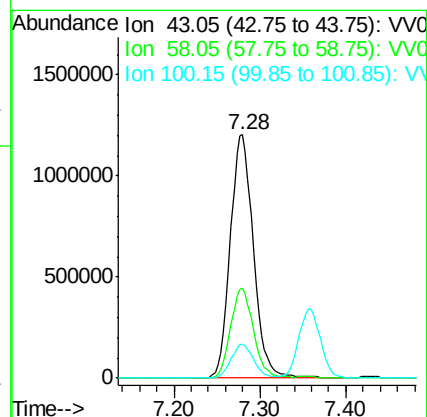
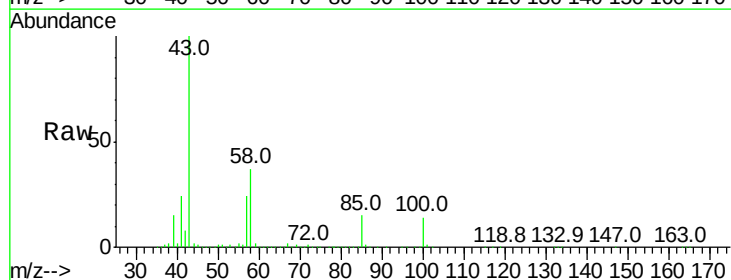
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02035

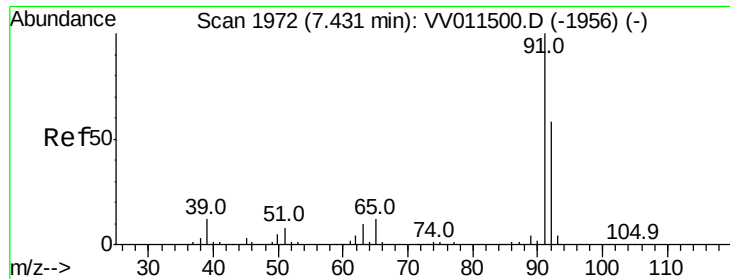
Tgt Ion: 75 Resp: 436334
 Ion Ratio Lower Upper
 75 100
 77 31.5 20.6 38.4



#40
 4-Methyl-2-pentanone
 Concen: 243.095 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV011502.D
 Acq: 14 Jun 2019 18:33

Tgt Ion: 43 Resp: 2255317
 Ion Ratio Lower Upper
 43 100
 58 36.4 28.7 43.1
 100 13.5 10.6 15.8





#42

Toluene

Concen: 19.025 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV011502.D

Acq: 14 Jun 2019 18:33

Instrument :

MSVOA_V

ClientSampleId :

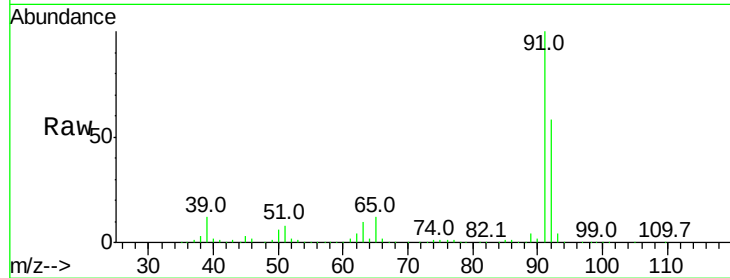
VSTD02035

Tgt Ion: 91 Resp: 1186923

Ion Ratio Lower Upper

91 100

92 58.1 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

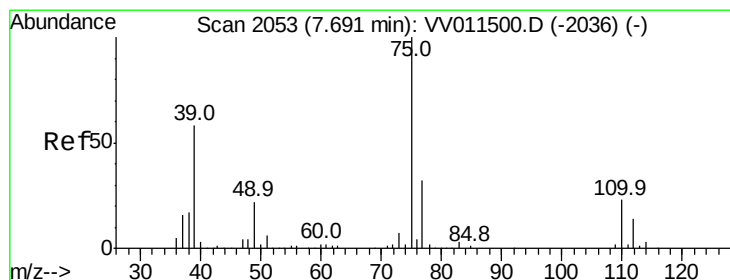
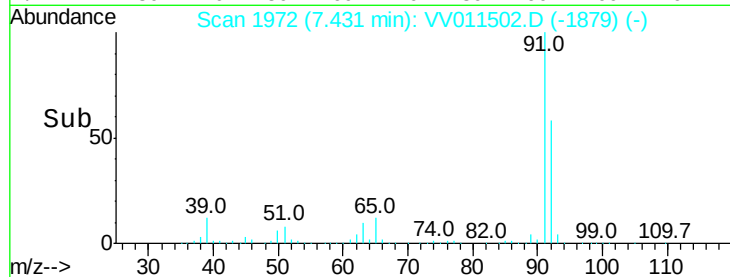
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 21.480 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV011502.D

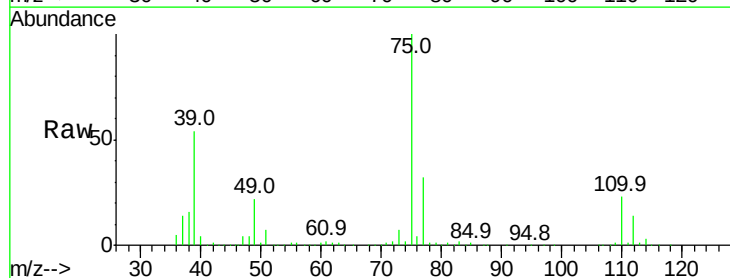
Acq: 14 Jun 2019 18:33

Tgt Ion: 75 Resp: 348078

Ion Ratio Lower Upper

75 100

77 31.5 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

200000

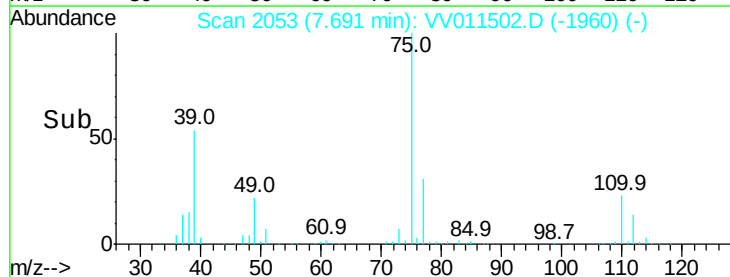
150000

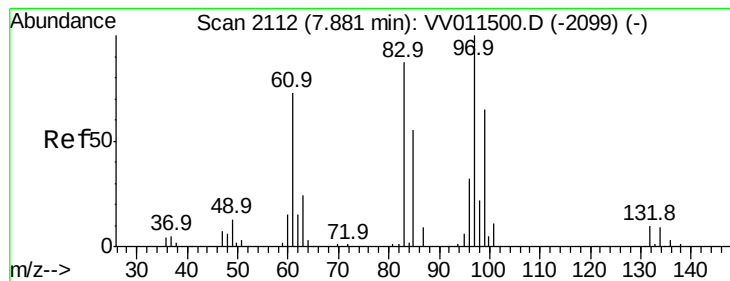
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 21.322 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VV011502.D

Acq: 14 Jun 2019 18:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD02035

Tgt Ion: 97 Resp: 198841

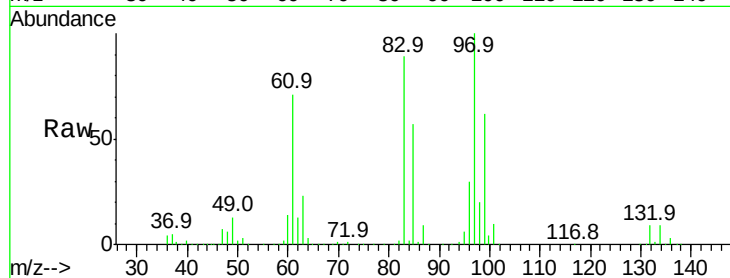
Ion Ratio Lower Upper

97 100

99 62.4 45.4 84.4

83 88.6 60.6 112.6

85 56.5 38.6 71.6

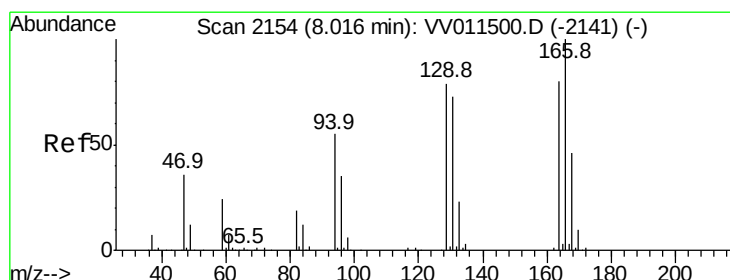
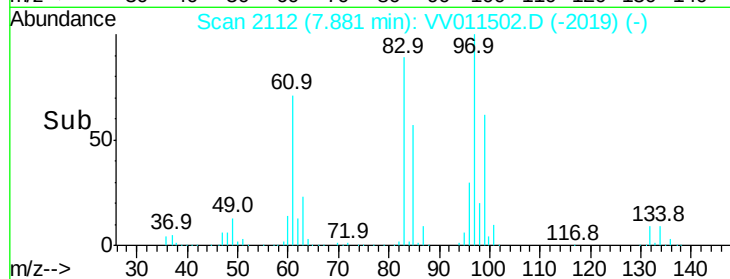
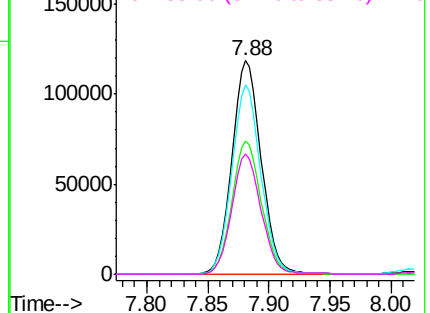


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 18.087 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV011502.D

Acq: 14 Jun 2019 18:33

Tgt Ion:164 Resp: 197661

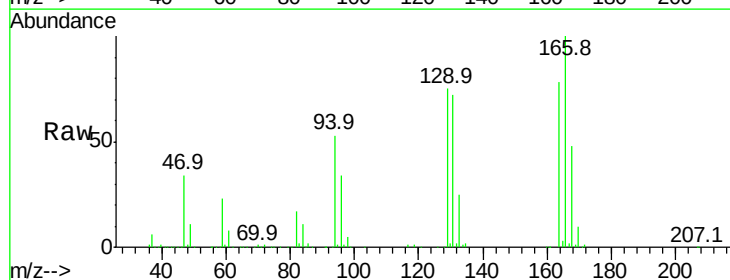
Ion Ratio Lower Upper

164 100

129 95.2 68.8 127.8

131 91.8 63.2 117.4

166 127.7 87.0 161.6

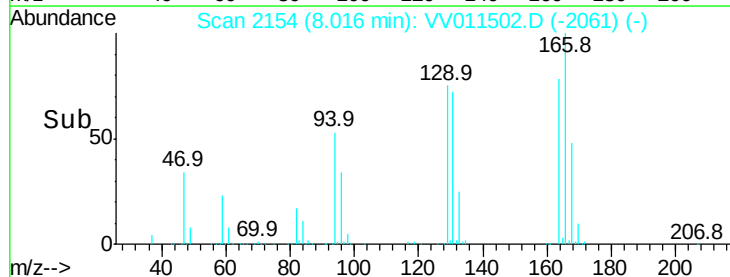
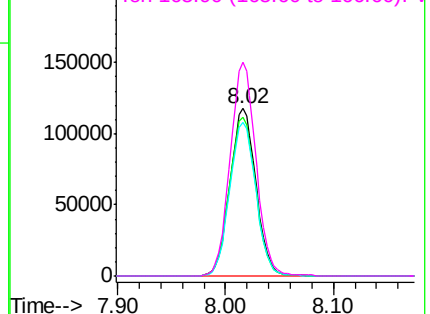


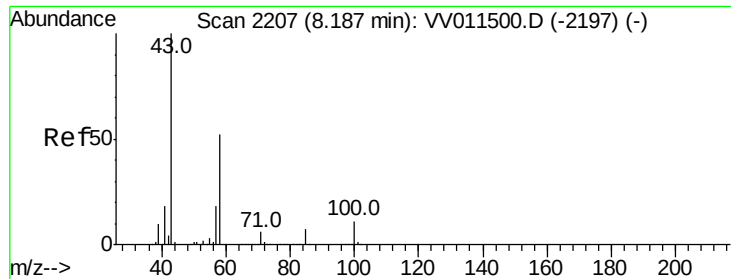
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



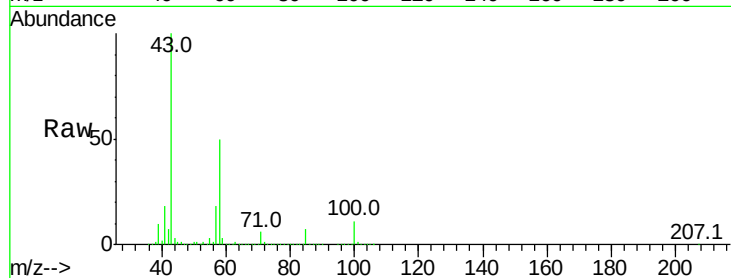


#48
2-Hexanone
Concen: 249.579 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV011502.D
Acq: 14 Jun 2019 18:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD02035

Tgt Ion: 43 Resp: 1614871

Ion	Ratio	Lower	Upper
43	100		
58	50.6	40.6	60.8
57	18.2	14.2	21.4
100	10.7	8.6	12.8

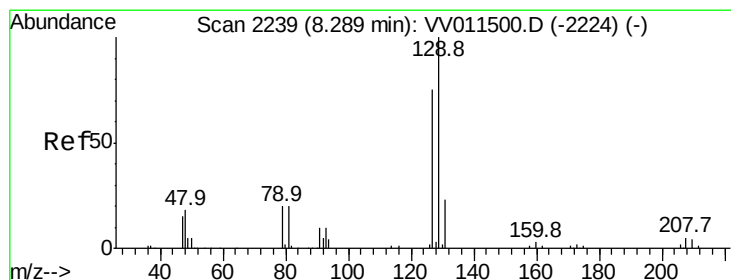
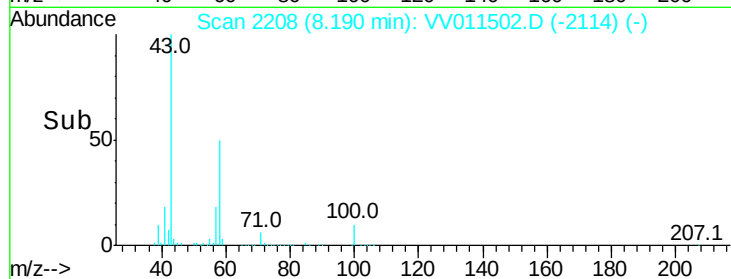
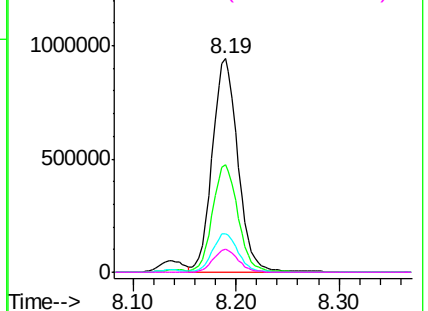


Abundance Ion 43.05 (42.75 to 43.75): VV011502.D (-2114) (-)

Ion 58.05 (57.75 to 58.75): VV011502.D (-2114) (-)

Ion 57.20 (56.90 to 57.90): VV011502.D (-2114) (-)

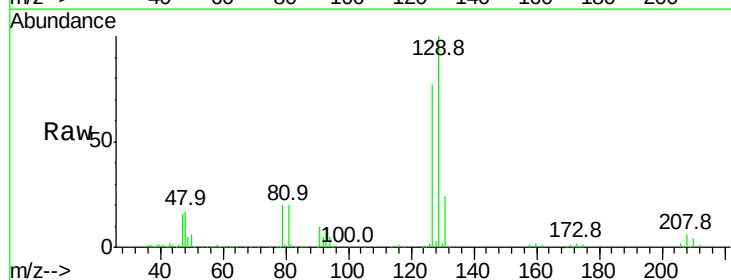
Ion 100.15 (99.85 to 100.85): VV011502.D (-2114) (-)



#49
Dibromochloromethane
Concen: 21.882 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV011502.D
Acq: 14 Jun 2019 18:33

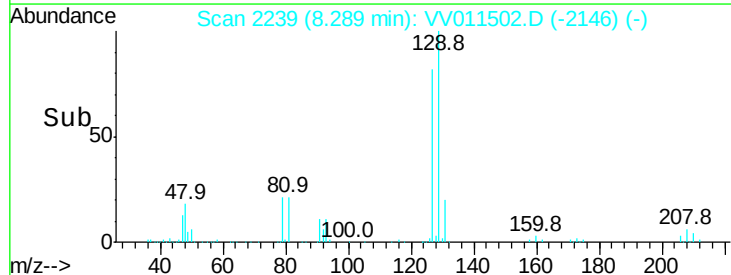
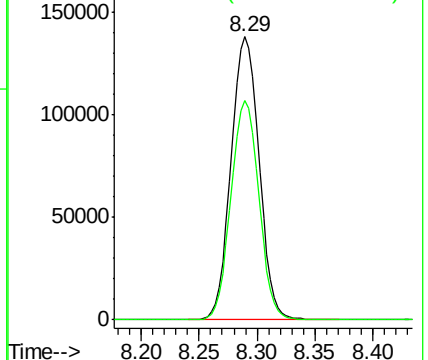
Tgt Ion: 129 Resp: 231797

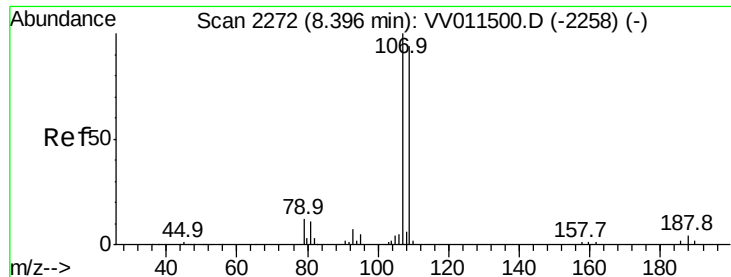
Ion	Ratio	Lower	Upper
129	100		
127	77.4	52.6	97.6



Abundance Ion 128.95 (128.65 to 129.65): VV011502.D (-2146) (-)

Ion 126.90 (126.60 to 127.60): VV011502.D (-2146) (-)

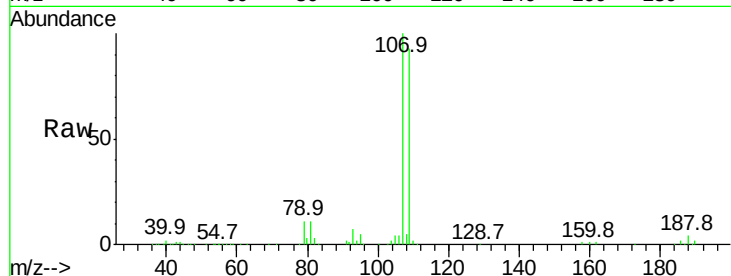




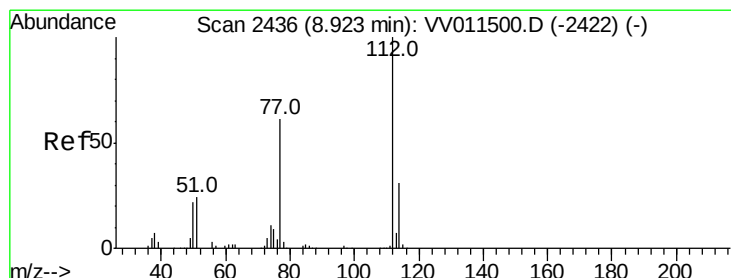
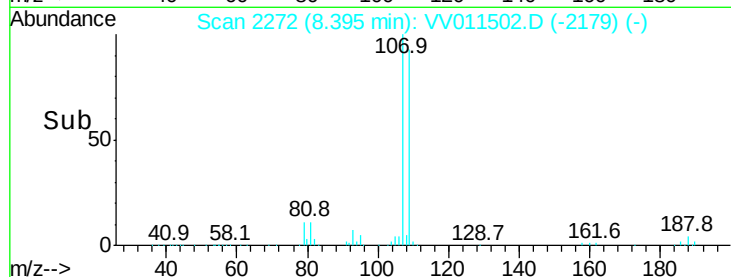
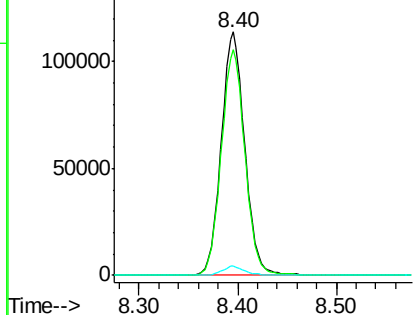
#50
 1,2-Dibromoethane
 Concen: 21.469 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VV011502.D
 Acq: 14 Jun 2019 18:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02035

Tgt Ion:107 Resp: 190316
 Ion Ratio Lower Upper
 107 100
 109 92.9 65.7 121.9
 188 3.9 2.9 4.3

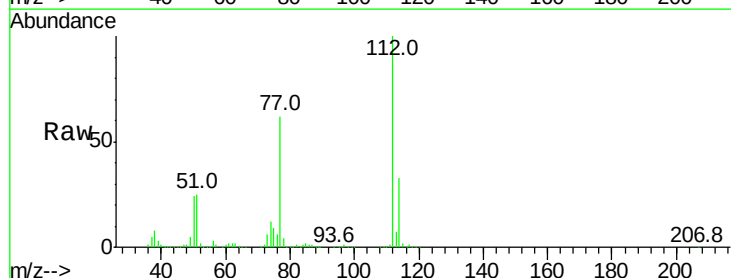


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

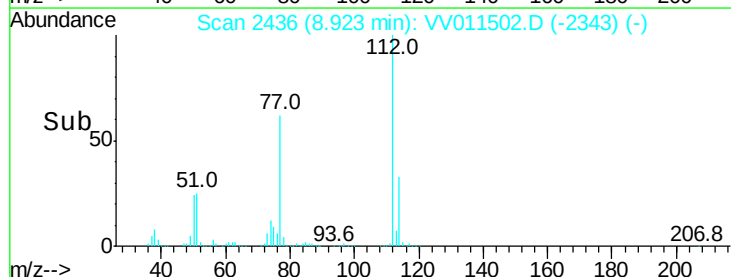
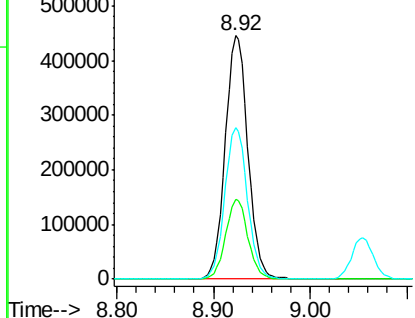


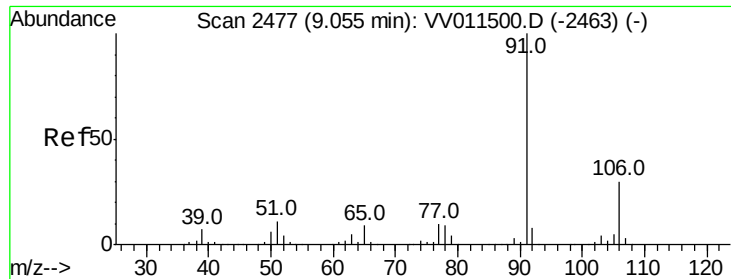
#51
 Chlorobenzene
 Concen: 19.061 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV011502.D
 Acq: 14 Jun 2019 18:33

Tgt Ion:112 Resp: 725197
 Ion Ratio Lower Upper
 112 100
 114 32.6 21.9 40.7
 77 62.5 49.3 73.9



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 18.749 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV011502.D

Acq: 14 Jun 2019 18:33

Instrument :

MSVOA_V

ClientSampleId :

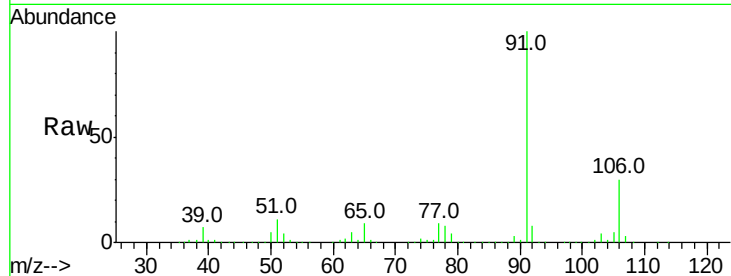
VSTD02035

Tgt Ion: 91 Resp: 1299011

Ion Ratio Lower Upper

91 100

106 29.6 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VV011502.D (-2463) (-)

Ion 106.15 (105.85 to 106.85): VV011502.D (-2463) (-)

9.05

800000

600000

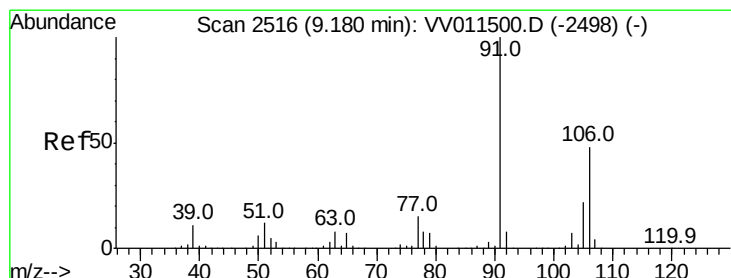
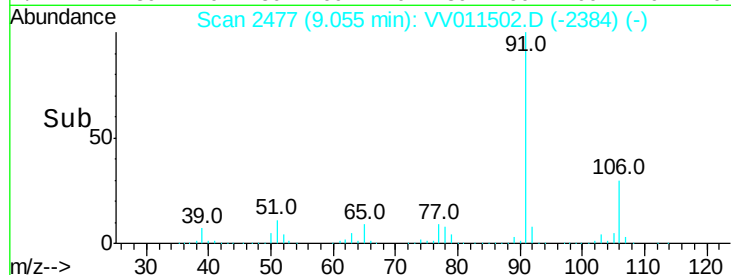
400000

200000

0

Time-->

8.95 9.00 9.05 9.10 9.15



#53

m,p-xylene

Concen: 18.770 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV011502.D

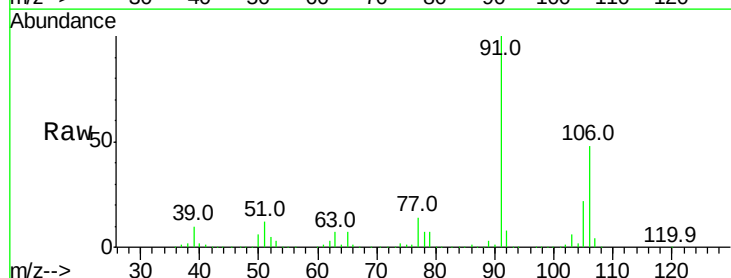
Acq: 14 Jun 2019 18:33

Tgt Ion: 106 Resp: 480930

Ion Ratio Lower Upper

106 100

91 209.3 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): VV011502.D (-2498) (-)

Ion 91.15 (90.85 to 91.85): VV011502.D (-2498) (-)

9.18

600000

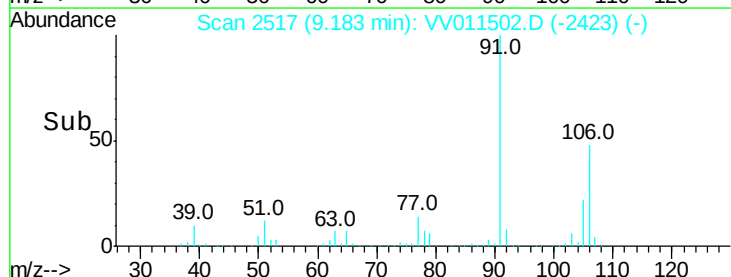
400000

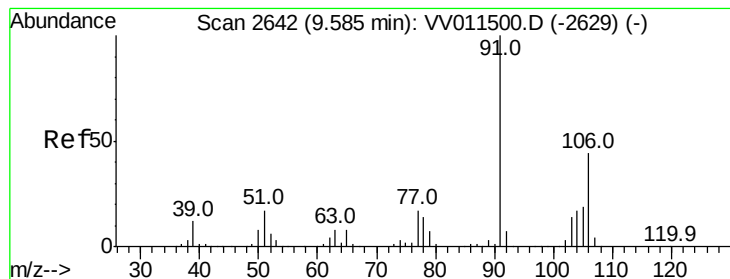
200000

0

Time-->

9.10 9.15 9.20 9.25 9.30





#54

o-xylene

Concen: 19.332 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV011502.D

Acq: 14 Jun 2019 18:33

Instrument :

MSVOA_V

ClientSampleId :

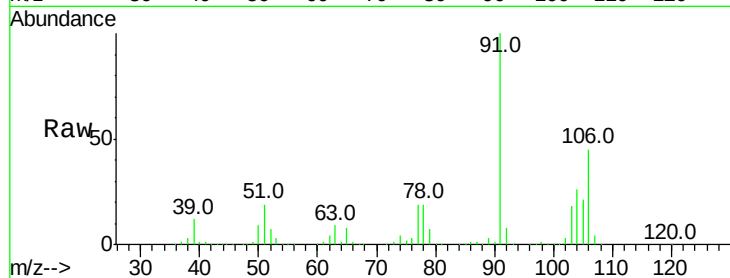
VSTD02035

Tgt Ion:106 Resp: 486103

Ion Ratio Lower Upper

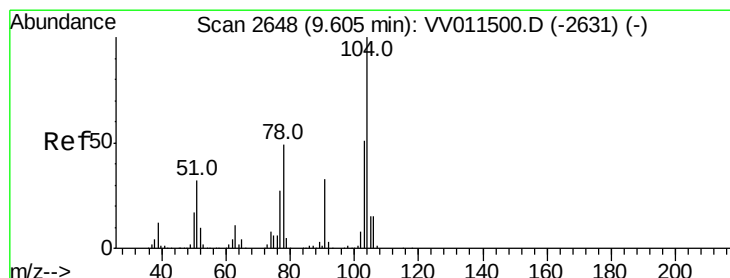
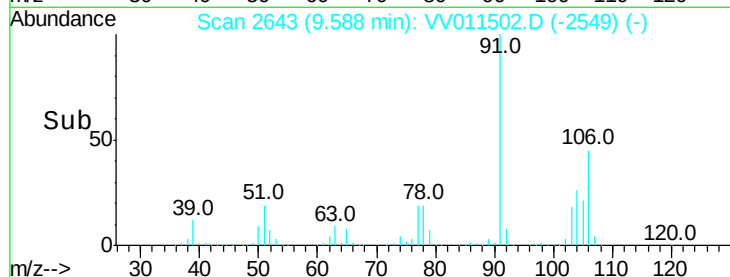
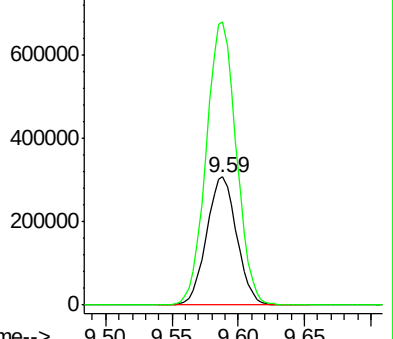
106 100

91 221.2 158.8 294.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 20.432 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV011502.D

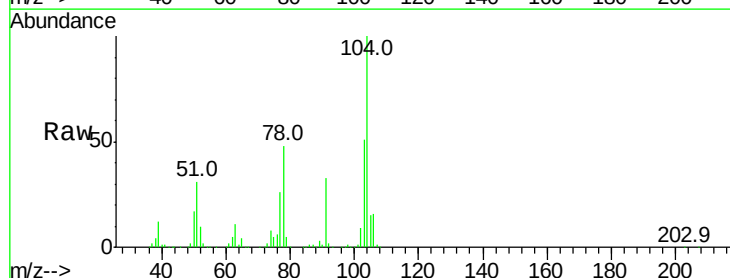
Acq: 14 Jun 2019 18:33

Tgt Ion:104 Resp: 836753

Ion Ratio Lower Upper

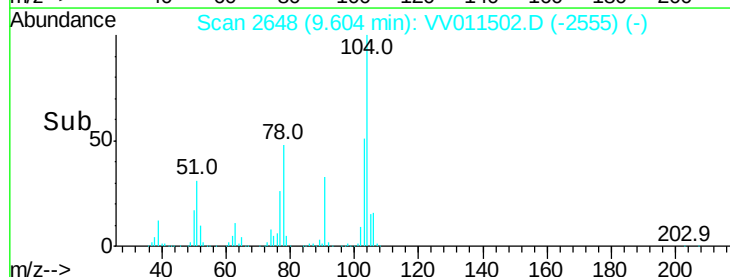
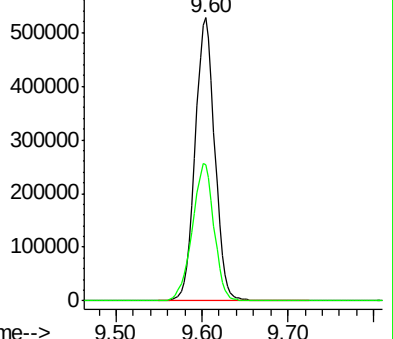
104 100

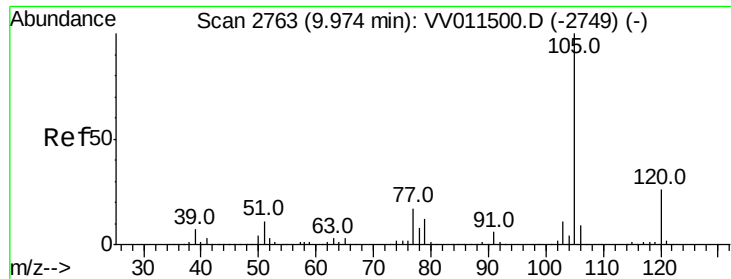
78 48.1 34.0 63.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 18.106 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV011502.D

Acq: 14 Jun 2019 18:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD02035

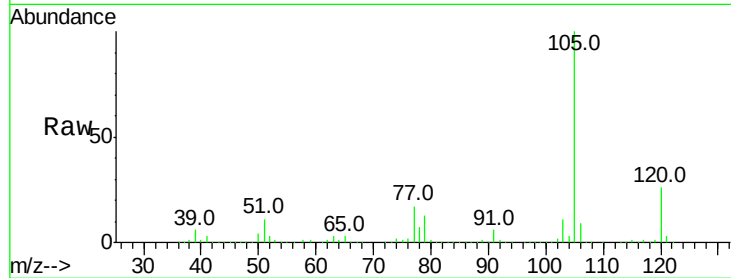
Tgt Ion:105 Resp: 1225331

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

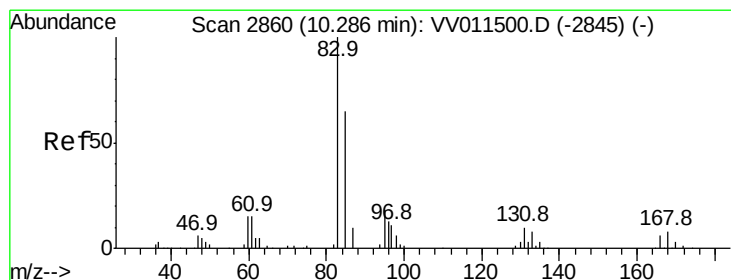
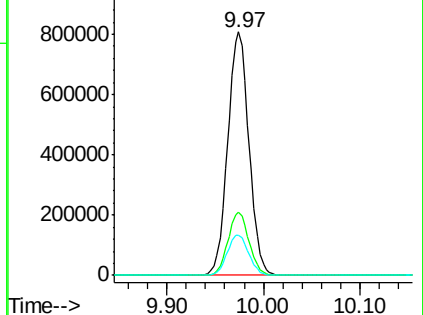
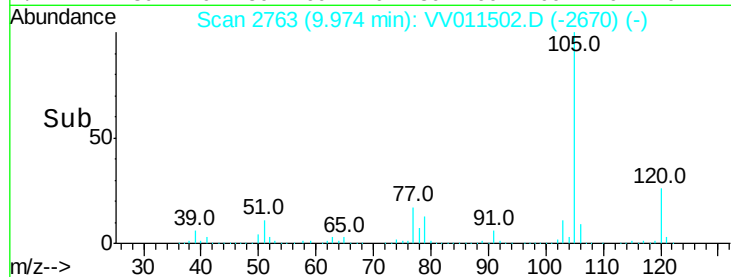
77 16.8 13.8 20.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 22.527 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV011502.D

Acq: 14 Jun 2019 18:33

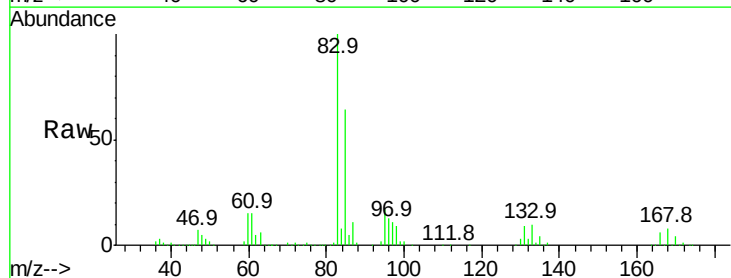
Tgt Ion: 83 Resp: 254692

Ion Ratio Lower Upper

83 100

85 64.3 45.6 84.8

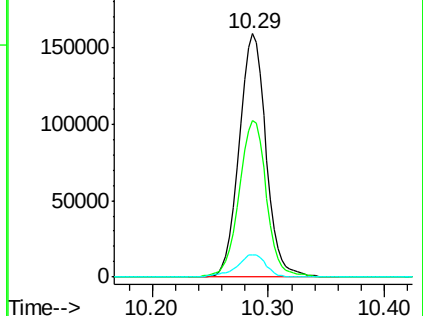
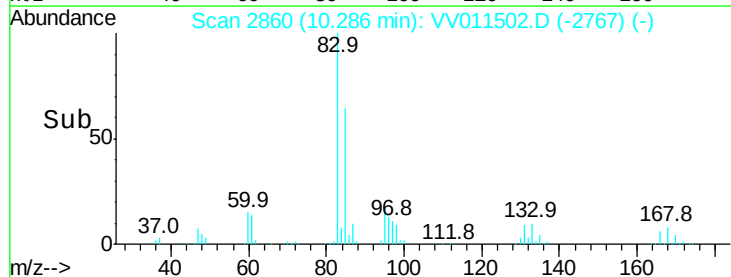
131 9.3 7.9 11.9

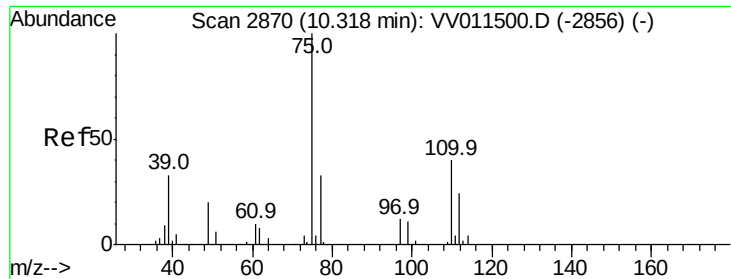


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 22.415 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV011502.D

Acq: 14 Jun 2019 18:33

Instrument :

MSVOA_V

ClientSampleId :

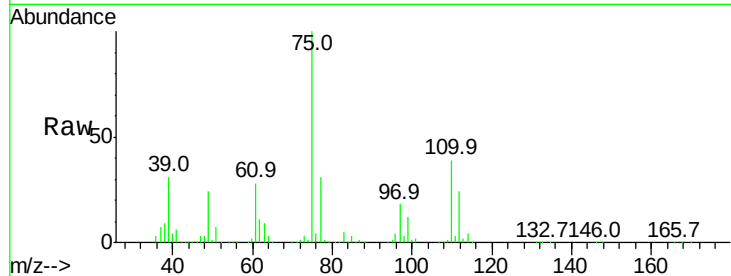
VSTD02035

Tgt Ion: 75 Resp: 190470

Ion Ratio Lower Upper

75 100

77 31.9 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV011500.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV011500.D (-2856) (-)

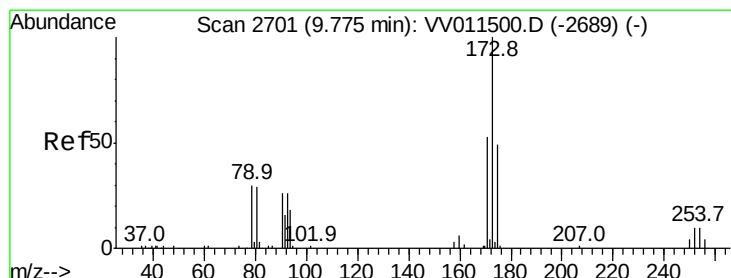
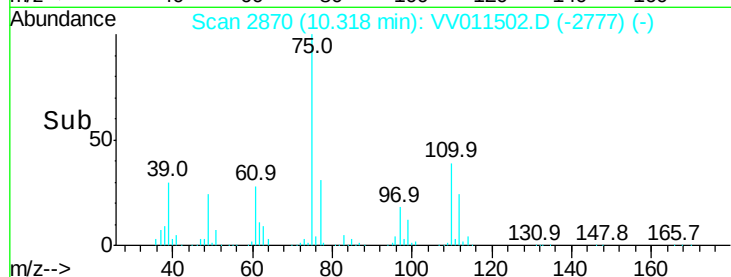
10.32

100000

50000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 22.302 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV011502.D

Acq: 14 Jun 2019 18:33

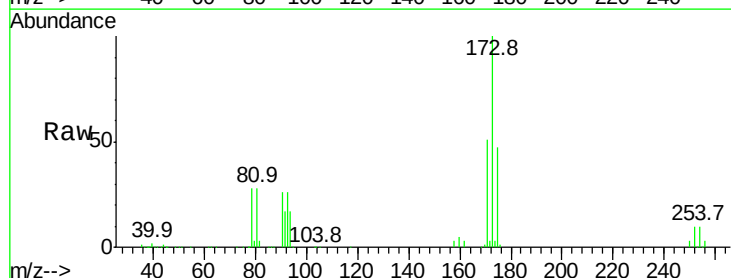
Tgt Ion: 173 Resp: 116113

Ion Ratio Lower Upper

173 100

175 47.8 38.3 57.5

254 9.2 7.9 11.9



Abundance Ion 172.90 (172.60 to 173.60): VV011500.D (-2689) (-)

Ion 174.90 (174.60 to 175.60): VV011500.D (-2689) (-)

Ion 253.75 (253.45 to 254.45): VV011500.D (-2689) (-)

9.78

80000

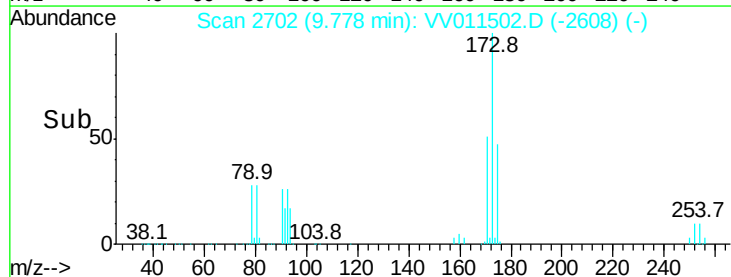
60000

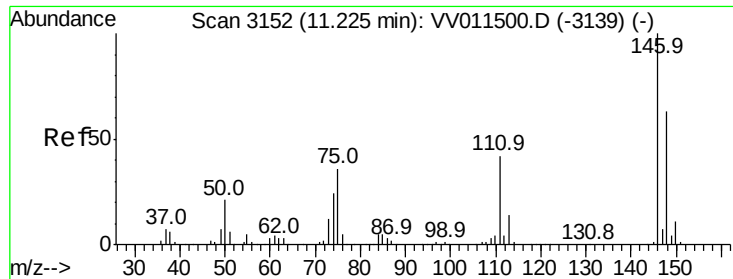
40000

20000

0

Time--> 9.70 9.75 9.80 9.85

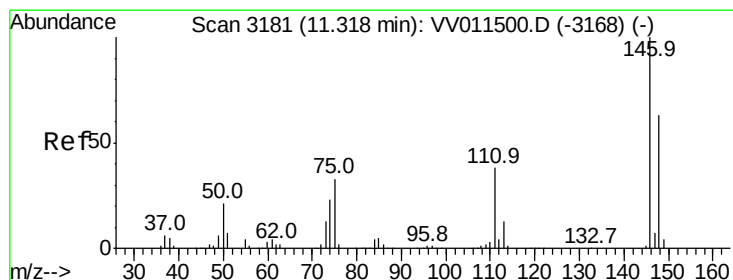
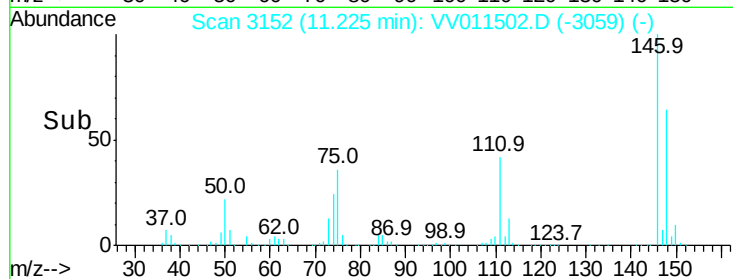
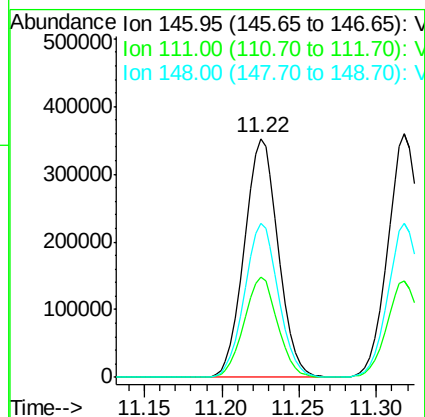
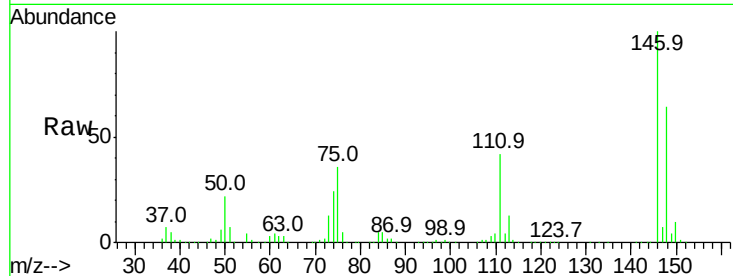




#62
 1,3-Dichlorobenzene
 Concen: 18.756 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV011502.D
 Acq: 14 Jun 2019 18:33

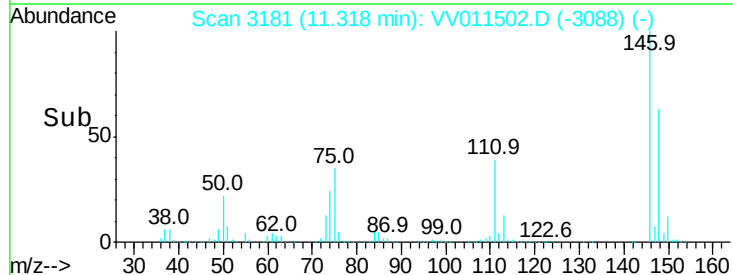
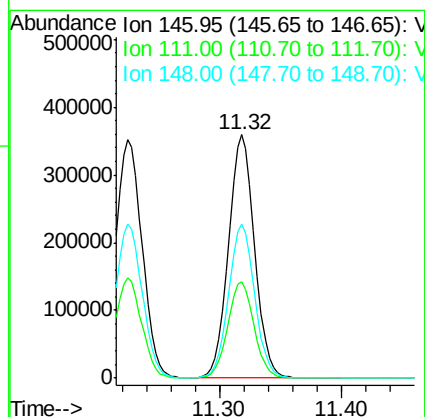
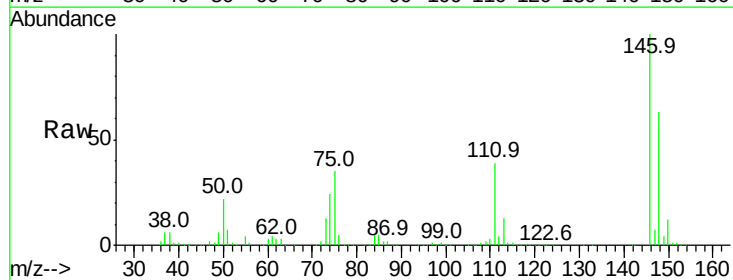
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02035

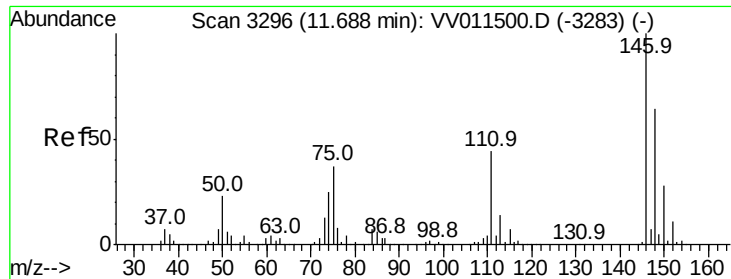
Tgt Ion:146 Resp: 537544
 Ion Ratio Lower Upper
 146 100
 111 42.2 29.2 54.2
 148 64.5 44.3 82.3



#63
 1,4-Dichlorobenzene
 Concen: 19.338 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV011502.D
 Acq: 14 Jun 2019 18:33

Tgt Ion:146 Resp: 537998
 Ion Ratio Lower Upper
 146 100
 111 39.3 26.7 49.7
 148 63.2 44.2 82.2

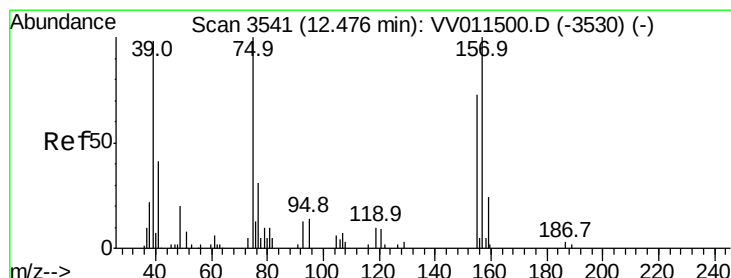
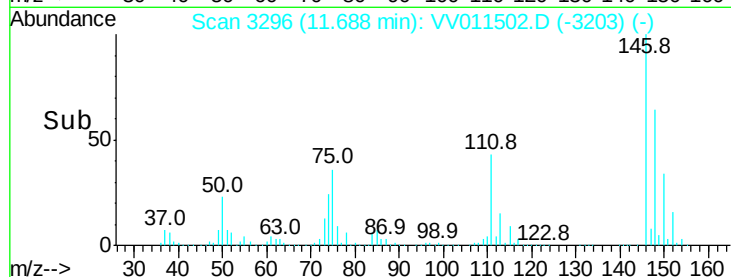
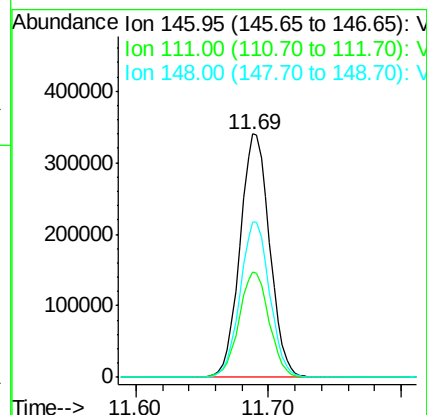
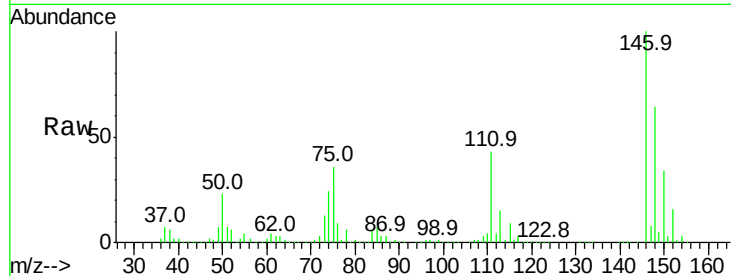




#65
 1,2-Dichlorobenzene
 Concen: 19.945 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV011502.D
 Acq: 14 Jun 2019 18:33

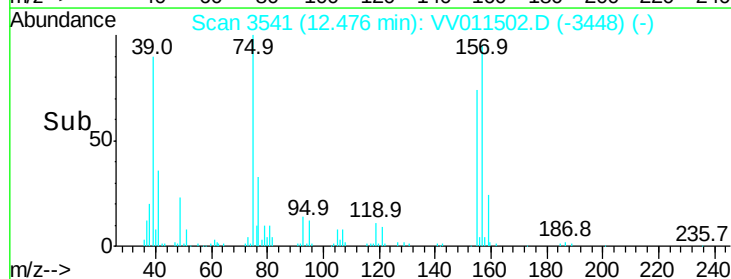
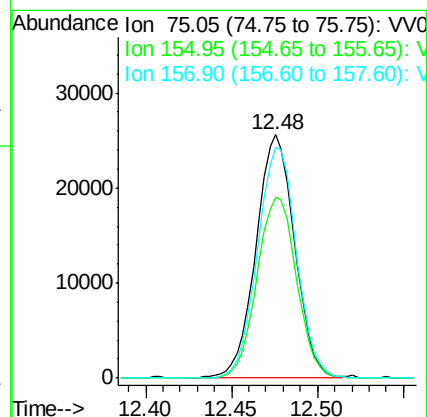
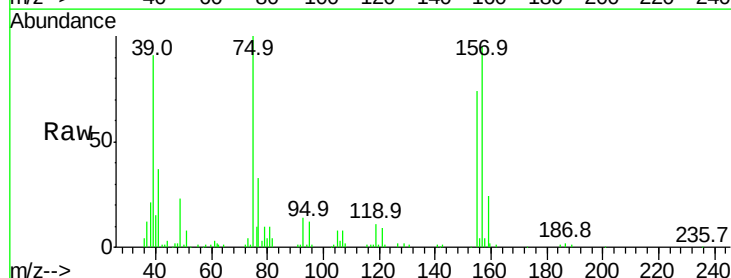
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02035

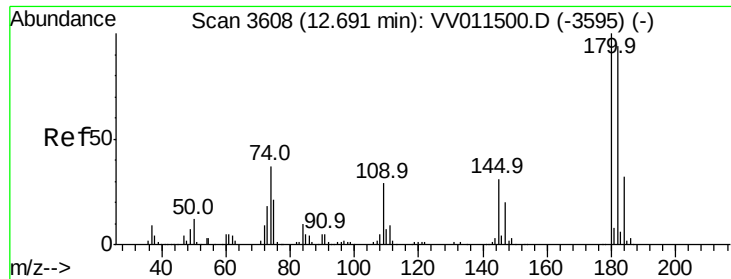
Tgt Ion: 146 Resp: 528332
 Ion Ratio Lower Upper
 146 100
 111 43.3 35.3 52.9
 148 63.9 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.040 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. -0.00 min
 Lab File: VV011502.D
 Acq: 14 Jun 2019 18:33

Tgt Ion: 75 Resp: 39938
 Ion Ratio Lower Upper
 75 100
 155 74.1 58.5 87.7
 157 94.9 79.8 119.6

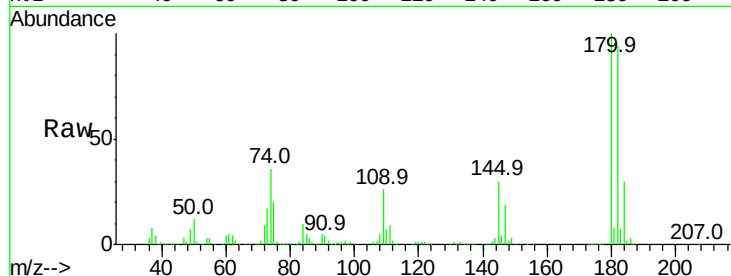




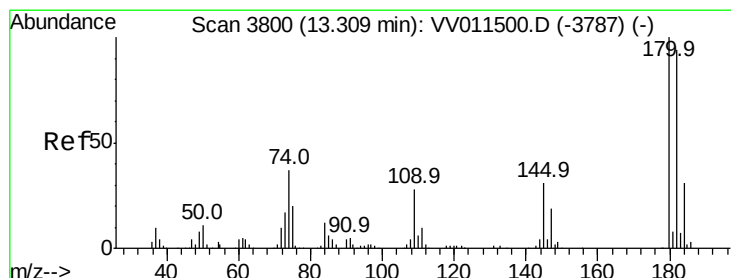
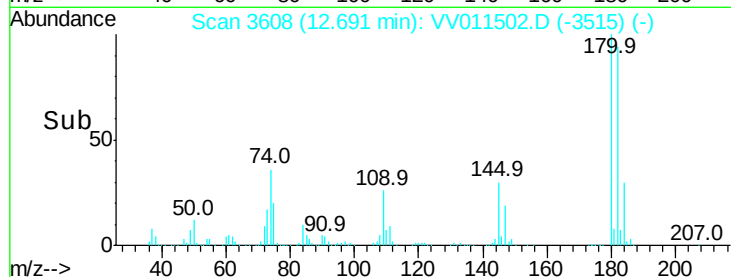
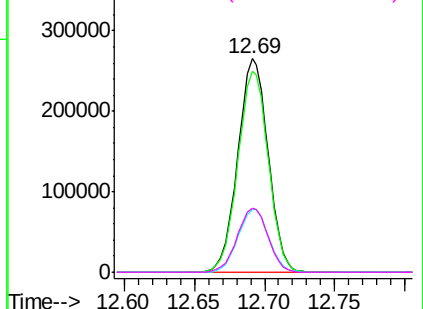
#67
 1,3,5-Trichlorobenzene
 Concen: 19.406 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV011502.D
 Acq: 14 Jun 2019 18:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02035

Tgt Ion:180 Resp: 400117
 Ion Ratio Lower Upper
 180 100
 182 94.3 75.4 113.0
 184 29.9 24.0 36.0
 145 30.5 24.4 36.6

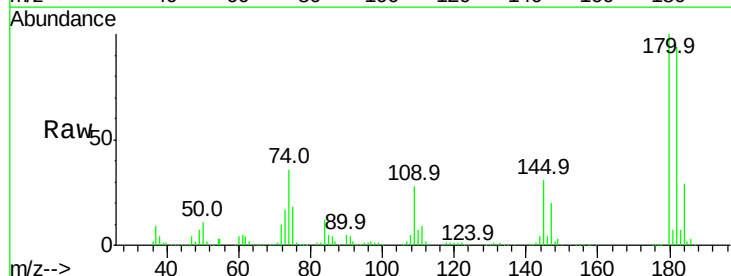


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

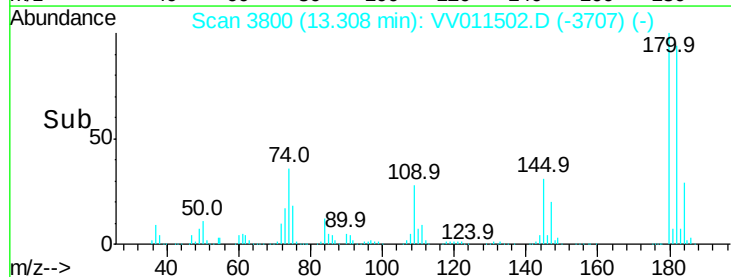
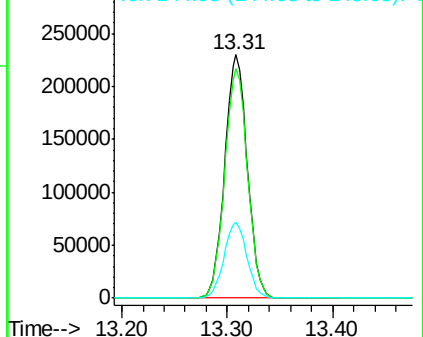


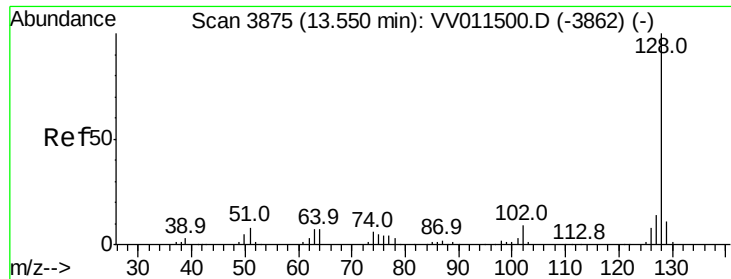
#68
 1,2,4-trichlorobenzene
 Concen: 21.662 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV011502.D
 Acq: 14 Jun 2019 18:33

Tgt Ion:180 Resp: 339081
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.2 114.4
 145 31.5 24.7 37.1



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 27.264 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV011502.D

Acq: 14 Jun 2019 18:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD02035

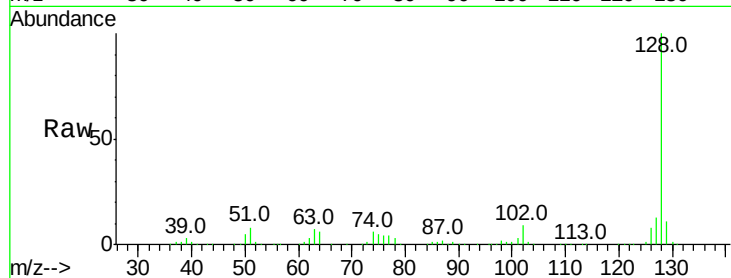
Tgt Ion:128 Resp: 698554

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

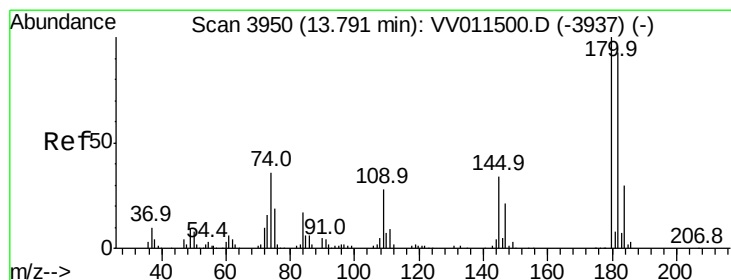
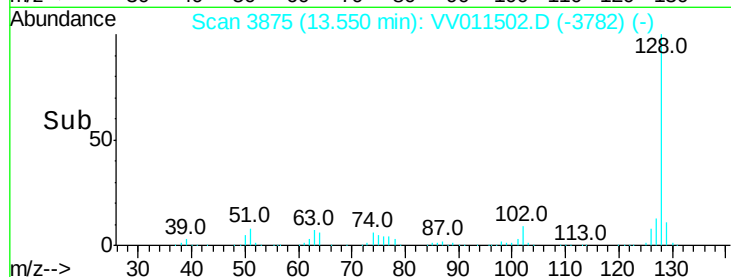
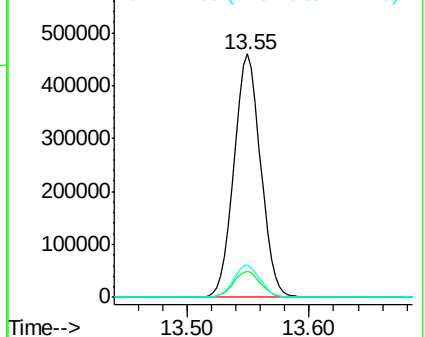
127 13.1 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 22.974 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011502.D

Acq: 14 Jun 2019 18:33

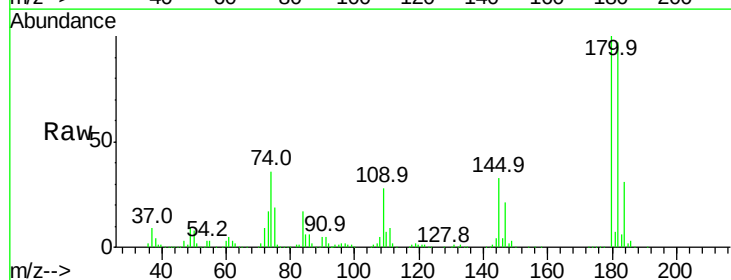
Tgt Ion:180 Resp: 322477

Ion Ratio Lower Upper

180 100

182 96.3 76.6 115.0

145 33.4 27.1 40.7



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

