

Data File : VV012389.D
Acq On : 24 Aug 2019 02:53
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

Quant Time: Aug 26 08:08:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Aug 26 07:59:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	246122	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	238783	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	119437	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	58454	4.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.00%
7) Chloroethane-d5	1.58	69	43050	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	2.13	63	108116	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.00%
20) 2-Butanone-d5	3.96	46	170197	51.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.68%
24) Chloroform-d	4.40	84	137704	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.08	65	66929	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.10	84	276167	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	6.12	67	84514	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.36	98	254129	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
43) trans-1,3-Dichloropropene-	7.67	79	29920	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	8.14	63	104842	50.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.22%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	57082	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	87920	4.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	111283	5.294	ug/L 99
3) Chloromethane	1.25	50	84217	5.209	ug/L 100
5) Vinyl chloride	1.32	62	80873	5.158	ug/L 99
6) Bromomethane	1.53	94	37196	5.198	ug/L 94
8) Chloroethane	1.60	64	41826	5.315	ug/L 98
9) Trichlorofluoromethane	1.77	101	117820	5.646	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	57242	5.267	ug/L 95
12) 1,1-Dichloroethene	2.14	96	54870	5.558	ug/L 98
13) Acetone	2.23	43	78958	55.054	ug/L 96
14) Carbon disulfide	2.32	76	161185	5.196	ug/L 98
15) Methyl Acetate	2.47	43	19423	5.380	ug/L 100
16) Methylene chloride	2.53	84	55675	5.060	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	160601	5.398	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	78393	5.340	ug/L 99
19) 1,1-Dichloroethane	3.23	63	149931	5.492	ug/L 97
21) 2-Butanone	4.05	43	191649	56.894	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	80752	5.043	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	34925	5.245	ug/L	97
25) Chloroform	4.42	83	151159	4.963	ug/L	100
27) 1,2-Dichloroethane	5.18	62	88718	5.520	ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	123911	5.194	ug/L	97
30) Cyclohexane	4.72	56	126306	5.125	ug/L	99
31) Carbon tetrachloride	4.87	117	111438	5.282	ug/L	99
33) Benzene	5.14	78	327680	5.382	ug/L	100
34) Trichloroethene	5.96	95	84711	5.155	ug/L	99
35) Methylcyclohexane	6.17	83	125144	4.848	ug/L	100
37) 1,2-Dichloropropane	6.22	63	82078	5.320	ug/L	98
38) Bromodichloromethane	6.55	83	99046	5.204	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	103644	4.997	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	466962	56.341	ug/L	98
42) Toluene	7.43	91	339509	5.459	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	80711	5.144	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	54289	5.431	ug/L	97
47) Tetrachloroethene	8.02	164	71048	5.358	ug/L	97
48) 2-Hexanone	8.19	43	346181	58.049	ug/L	93
49) Dibromochloromethane	8.29	129	65120	5.436	ug/L	100
50) 1,2-Dibromoethane	8.40	107	50006	5.291	ug/L	100
51) Chlorobenzene	8.92	112	210423	5.178	ug/L	99
52) Ethylbenzene	9.05	91	349984	5.228	ug/L	99
53) m,p-xylene	9.18	106	135696	5.407	ug/L	99
54) o-xylene	9.59	106	126840	5.311	ug/L	97
55) Styrene	9.60	104	220715	5.524	ug/L	96
56) Isopropylbenzene	9.97	105	342372	5.356	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	57951	5.401	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	45152	5.327	ug/L	99
61) Bromoform	9.77	173	33949	4.955	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	166490	5.133	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	161740	4.979	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	153674	5.152	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	7792	4.557	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	117537	4.733	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	84379	4.875	ug/L	100
69) Naphthalene	13.55	128	108781	4.540	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	81024	4.997	ug/L	96

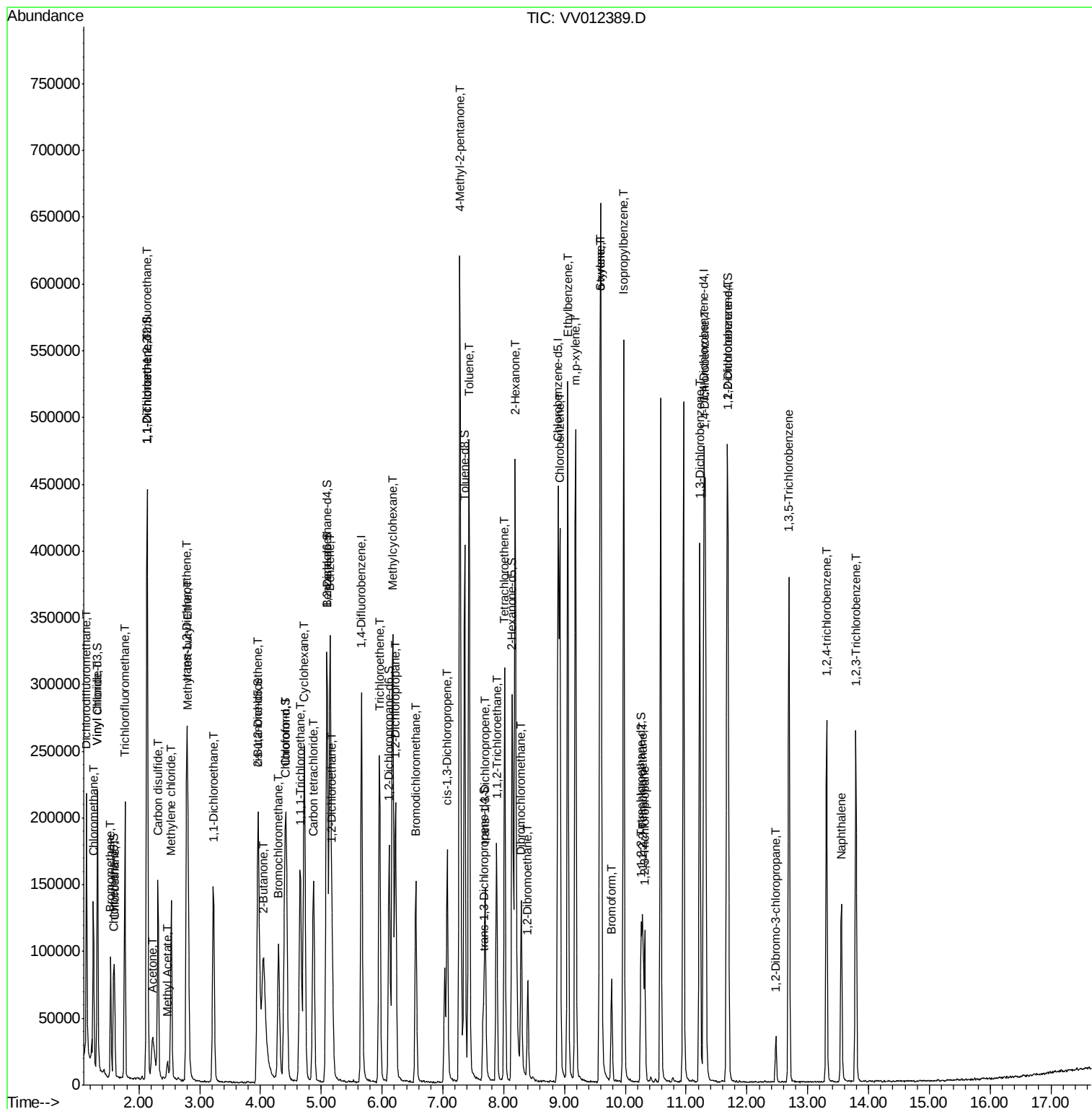
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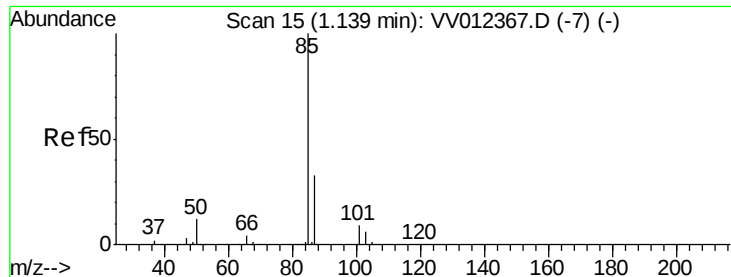
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#2

Dichlorodifluoromethane

Concen: 5.294 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012389.D

Acq: 24 Aug 2019 02:53

Instrument :

MSVOA_V

ClientSampleId :

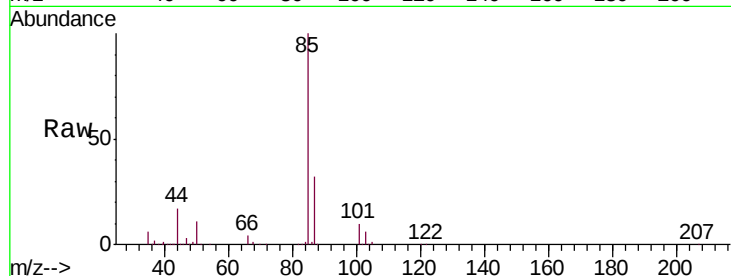
VSTD00550

Tgt Ion: 85 Resp: 111283

Ion Ratio Lower Upper

85 100

87 32.6 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV012367.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV012367.D (-7) (-)

1.14

120000

100000

80000

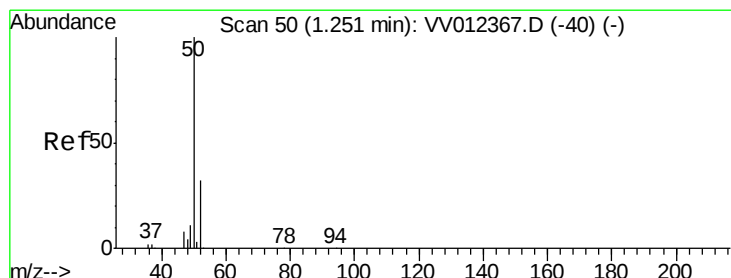
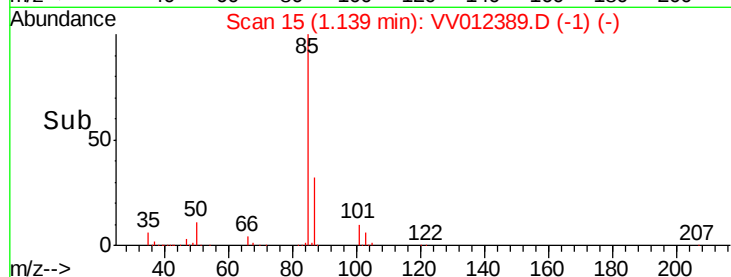
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 5.209 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012389.D

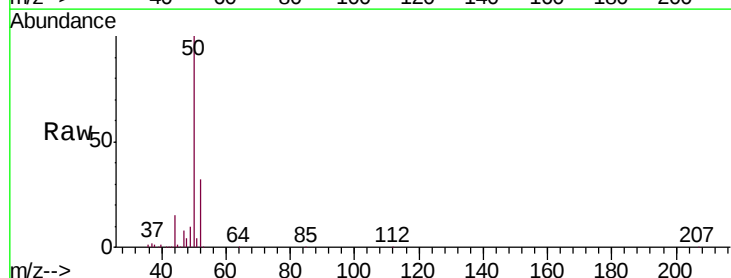
Acq: 24 Aug 2019 02:53

Tgt Ion: 50 Resp: 84217

Ion Ratio Lower Upper

50 100

52 31.5 22.2 41.2



Abundance Ion 50.05 (49.75 to 50.75): VV012367.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV012367.D (-40) (-)

1.25

80000

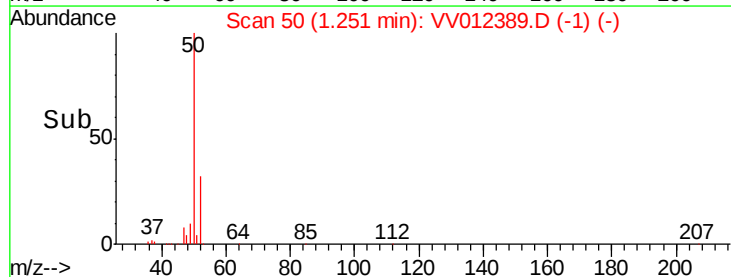
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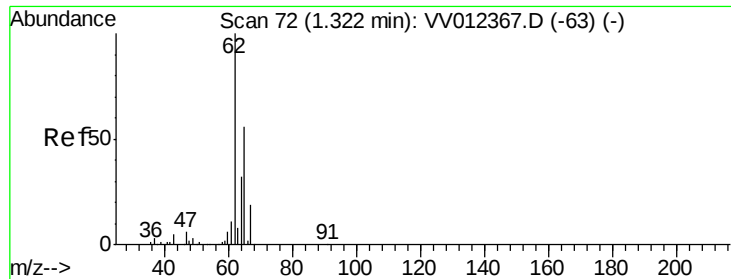
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 5.158 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012389.D

Acq: 24 Aug 2019 02:53

Instrument :

MSVOA_V

ClientSampleId :

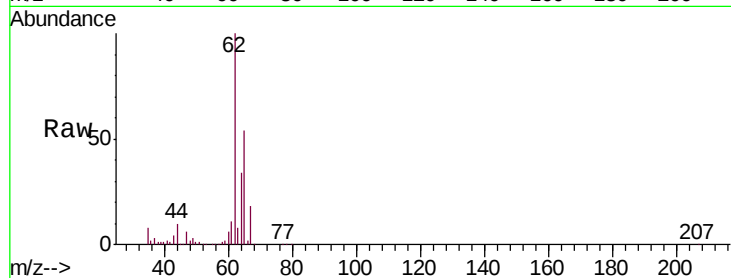
VSTD00550

Tgt Ion: 62 Resp: 80873

Ion Ratio Lower Upper

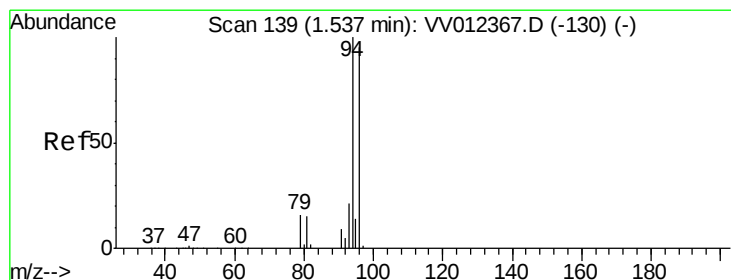
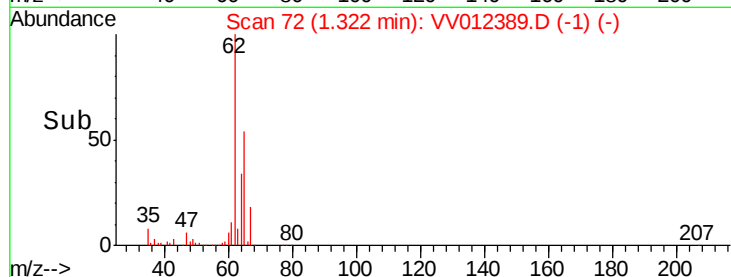
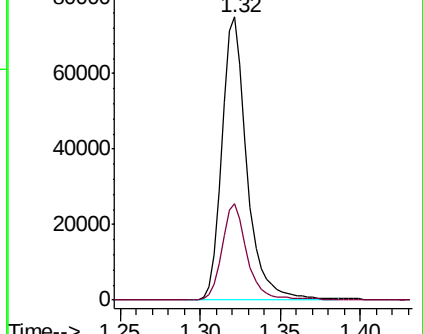
62 100

64 34.0 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.198 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV012389.D

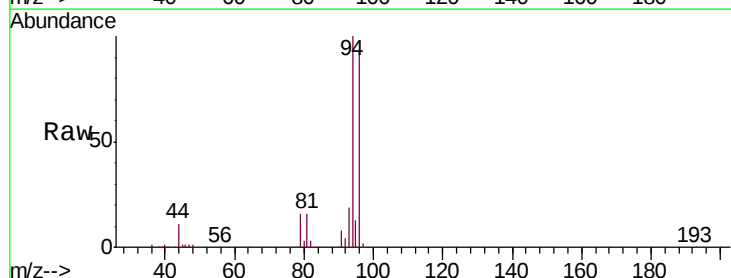
Acq: 24 Aug 2019 02:53

Tgt Ion: 94 Resp: 37196

Ion Ratio Lower Upper

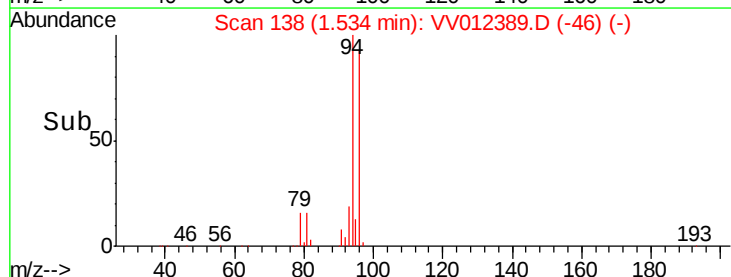
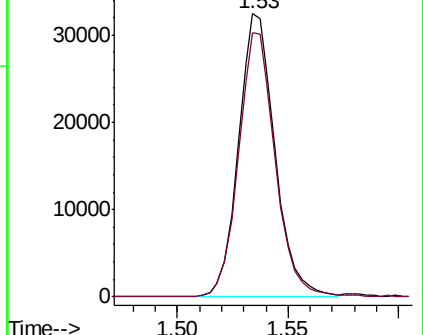
94 100

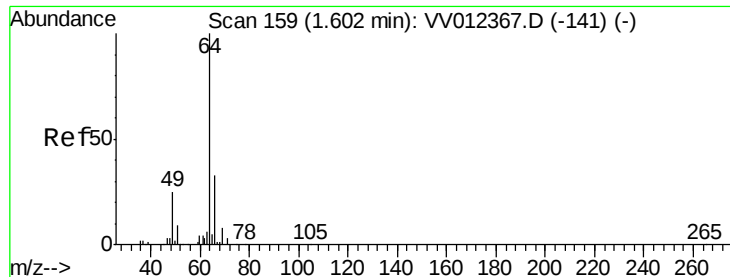
96 93.1 69.2 128.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

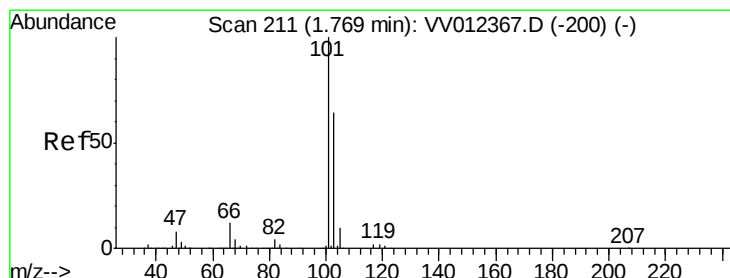
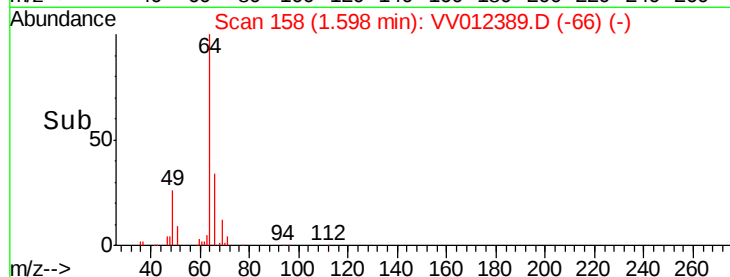
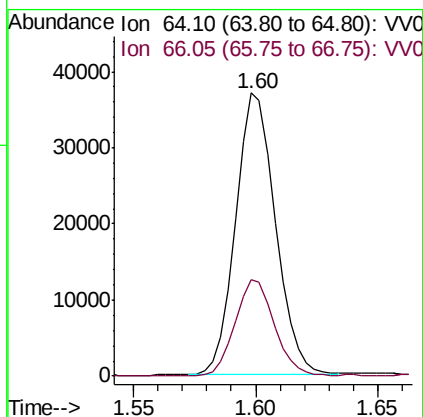
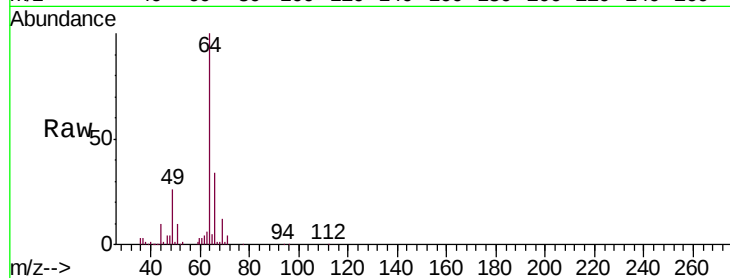




#8
Chloroethane
Concen: 5.315 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV012389.D
Acq: 24 Aug 2019 02:53

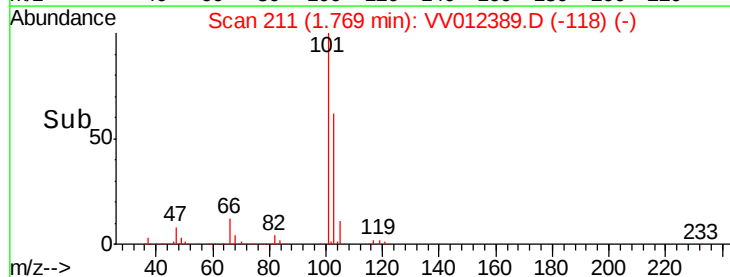
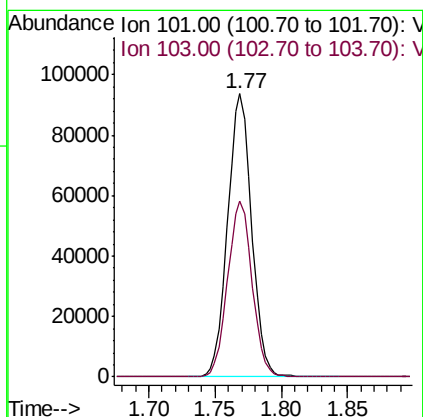
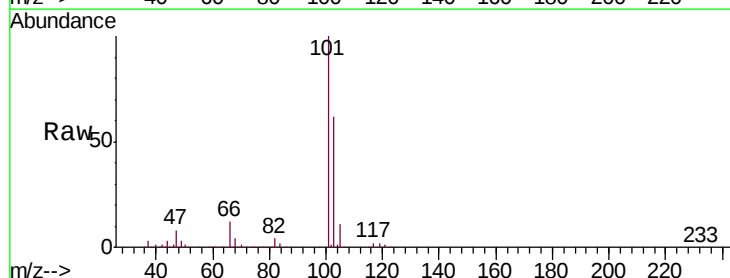
Instrument :
MSVOA_V
ClientSampleId :
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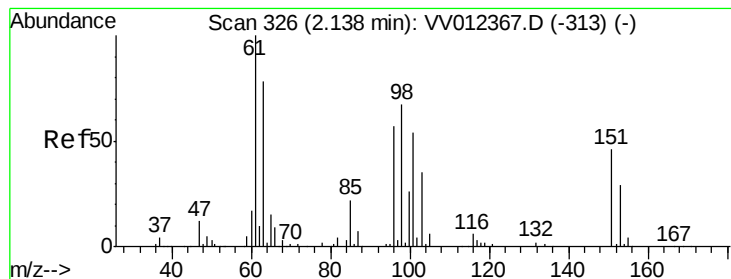
Tgt Ion: 64 Resp: 41826
Ion Ratio Lower Upper
64 100
66 34.0 23.2 43.0



#9
Trichlorofluoromethane
Concen: 5.646 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV012389.D
Acq: 24 Aug 2019 02:53

Tgt Ion: 101 Resp: 117820
Ion Ratio Lower Upper
101 100
103 63.4 51.2 76.8





#10

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

Concen: 5.267 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012389.D

Acq: 24 Aug 2019 02:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

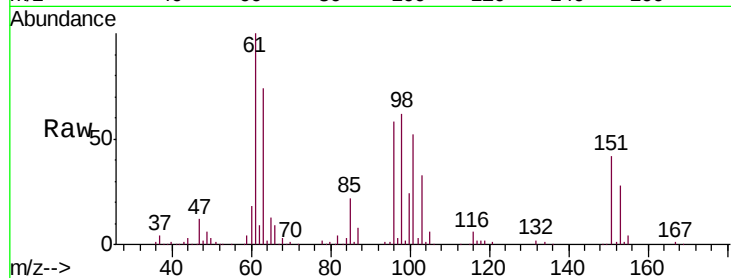
Tgt Ion: 101 Resp: 57242

Ion Ratio Lower Upper

101 100

85 42.1 34.6 51.8

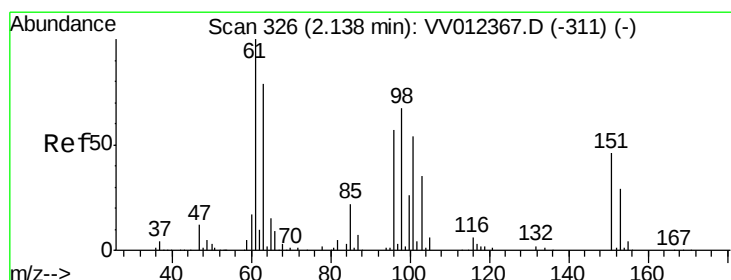
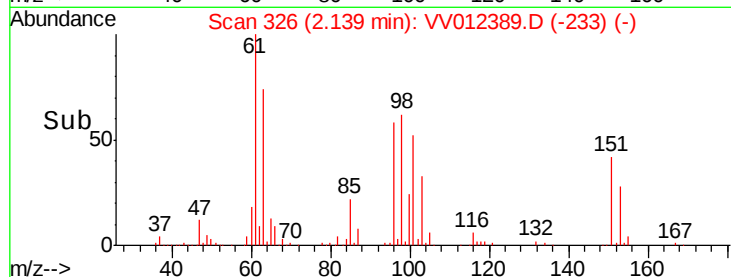
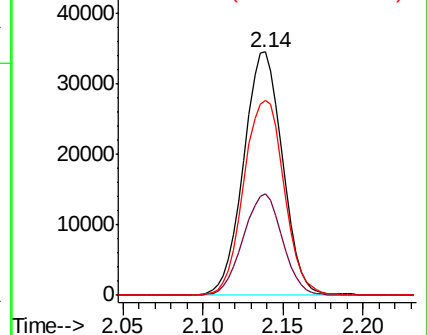
151 83.4 71.2 106.8



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: 5.558 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012389.D

Acq: 24 Aug 2019 02:53

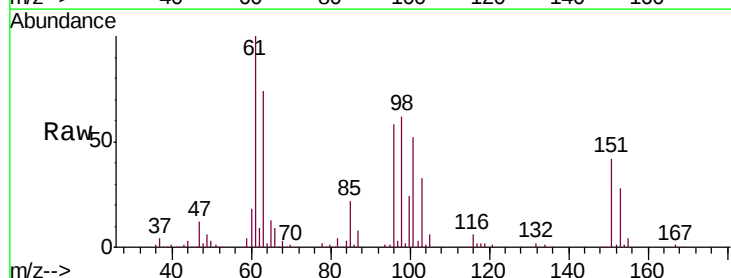
Tgt Ion: 96 Resp: 54870

Ion Ratio Lower Upper

96 100

61 172.1 122.3 227.1

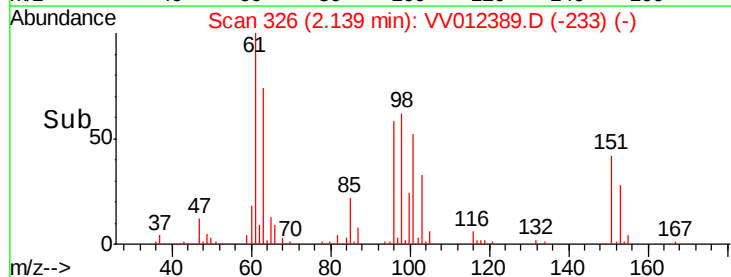
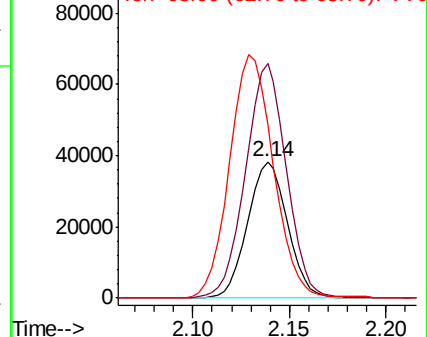
63 127.2 90.6 168.2

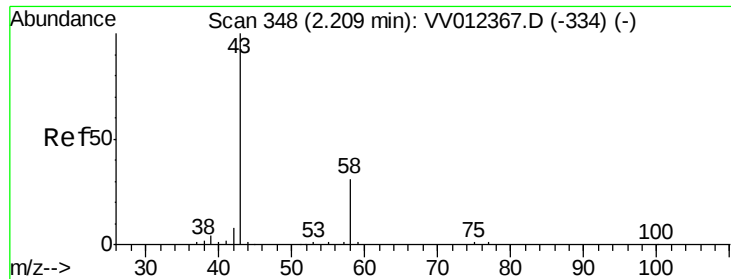


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 55.054 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.02 min

Lab File: VV012389.D

Acq: 24 Aug 2019 02:53

Instrument :

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ClientSampleId :

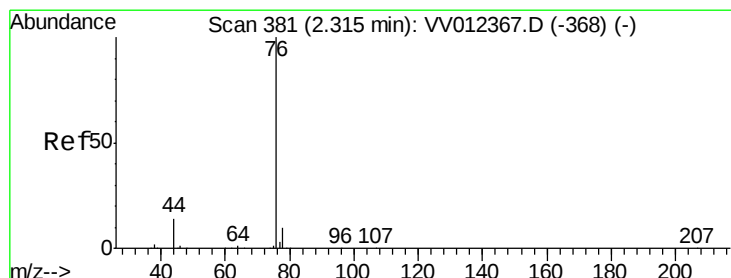
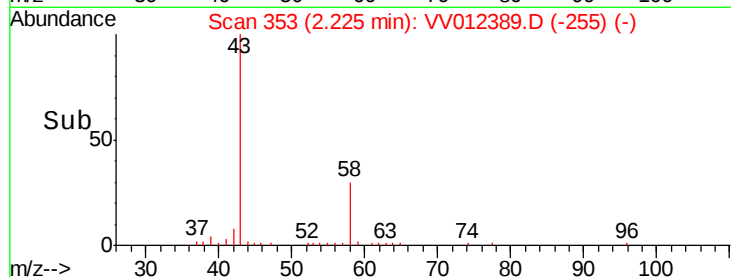
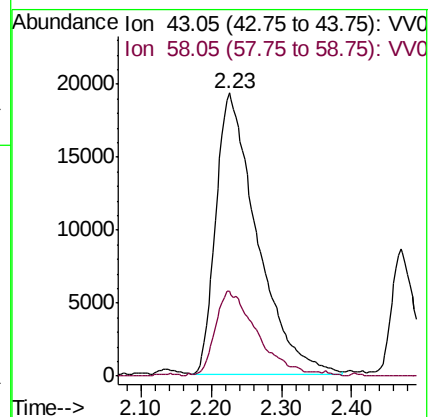
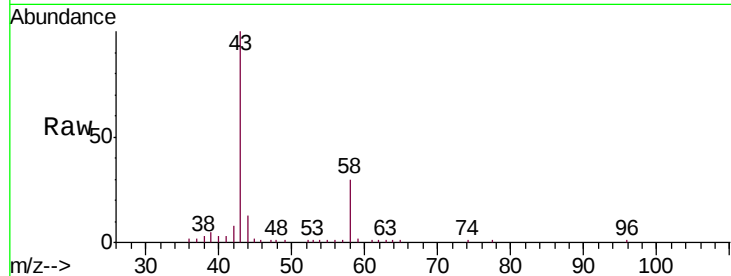
VSTD00550

Tgt Ion: 43 Resp: 78958

Ion Ratio Lower Upper

43 100

58 29.4 0.0 62.8



#14

Carbon disulfide

Concen: 5.196 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012389.D

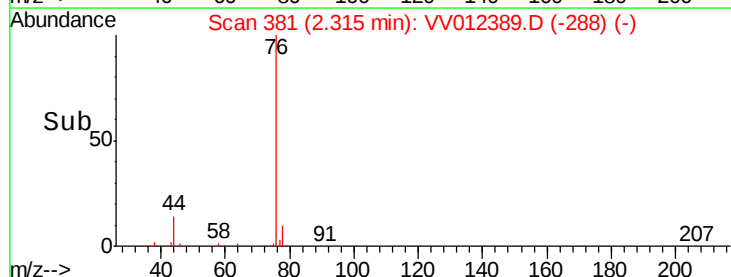
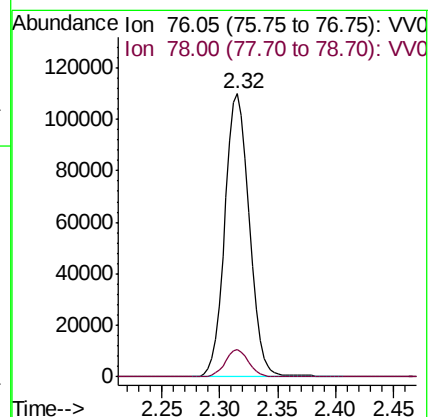
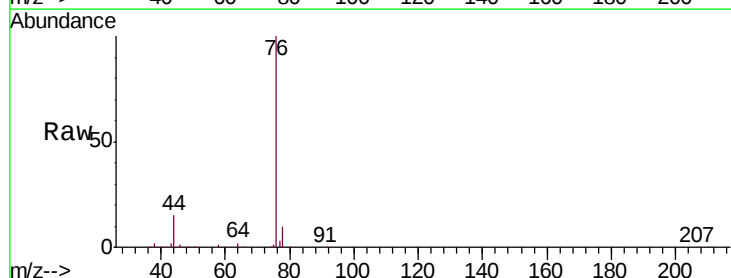
Acq: 24 Aug 2019 02:53

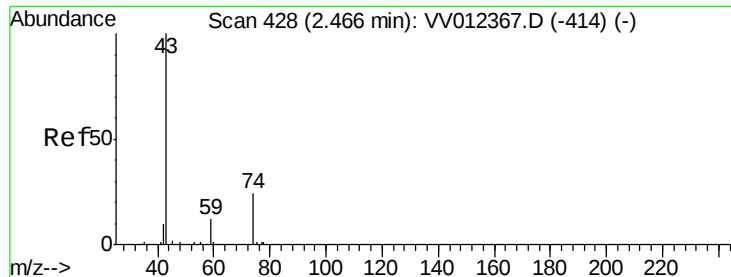
Tgt Ion: 76 Resp: 161185

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9





#15

Methyl Acetate

Concen: 5.380 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VV012389.D

Acq: 24 Aug 2019 02:53

Instrument :

MSVOA_V

ClientSampleId :

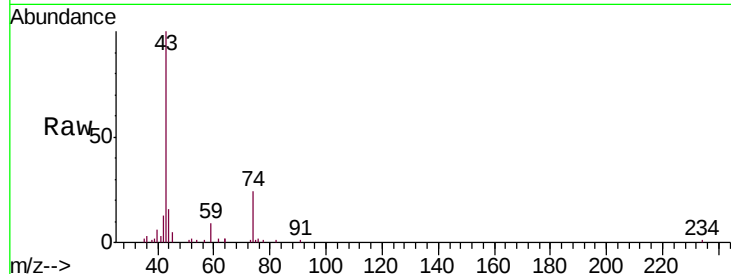
VSTD00550

Tgt Ion: 43 Resp: 19423

Ion Ratio Lower Upper

43 100

74 27.0 21.8 32.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.47

8000

6000

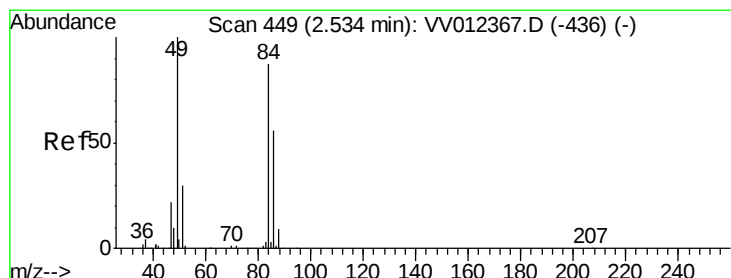
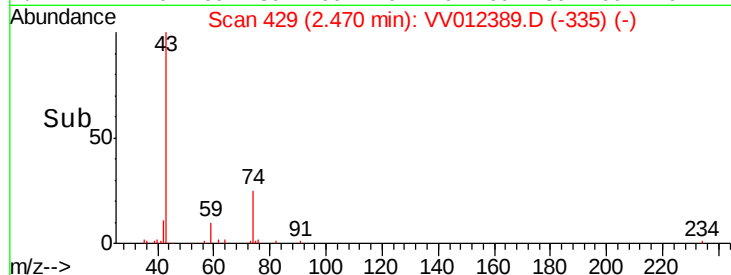
4000

2000

0

Time-->

2.40 2.45 2.50 2.55



#16

Methylene chloride

Concen: 5.060 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV012389.D

Acq: 24 Aug 2019 02:53

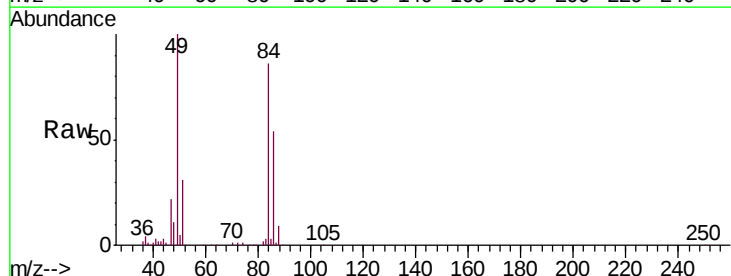
Tgt Ion: 84 Resp: 55675

Ion Ratio Lower Upper

84 100

86 63.5 44.9 83.5

49 116.6 81.1 150.7



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

50000

40000

30000

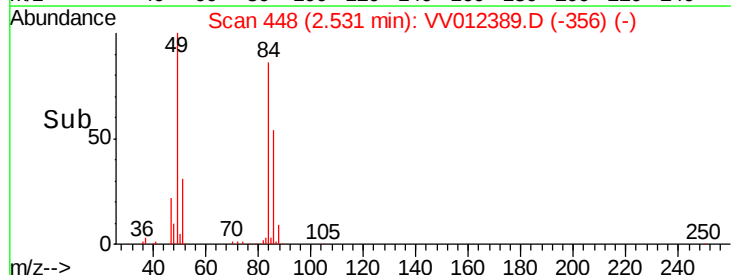
20000

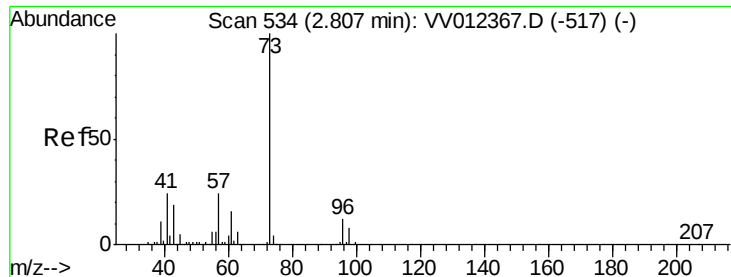
10000

0

Time-->

2.45 2.50 2.55 2.60 2.65





#17

Methyl tert-butyl Ether

Concen: 5.398 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV012389.D

Acq: 24 Aug 2019 02:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

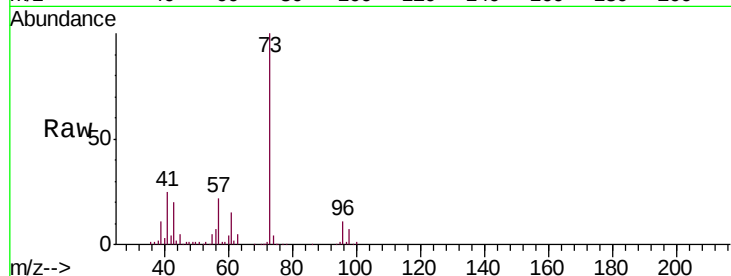
Tgt Ion: 73 Resp: 160601

Ion Ratio Lower Upper

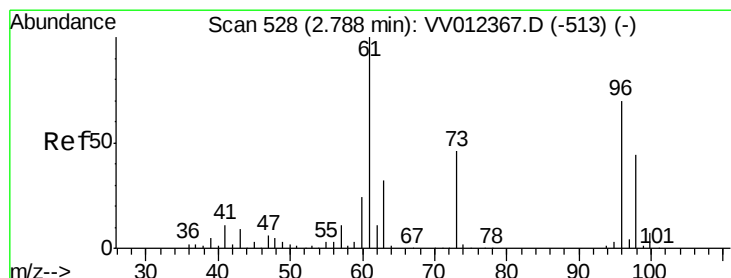
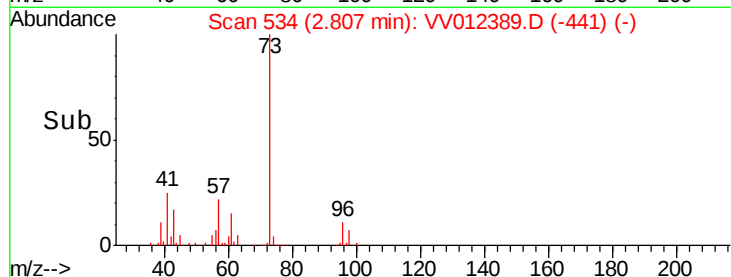
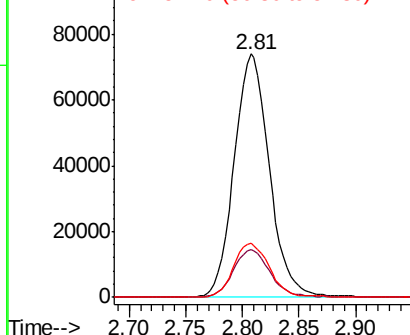
73 100

43 19.7 15.0 22.6

57 22.9 18.0 27.0



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: 5.340 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV012389.D

Acq: 24 Aug 2019 02:53

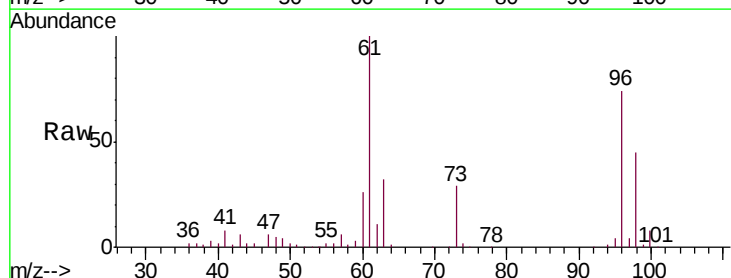
Tgt Ion: 96 Resp: 78393

Ion Ratio Lower Upper

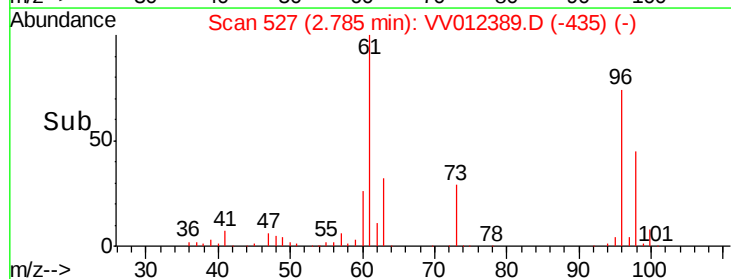
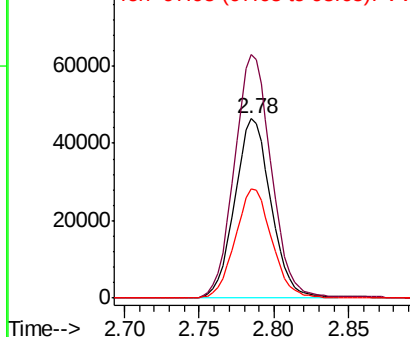
96 100

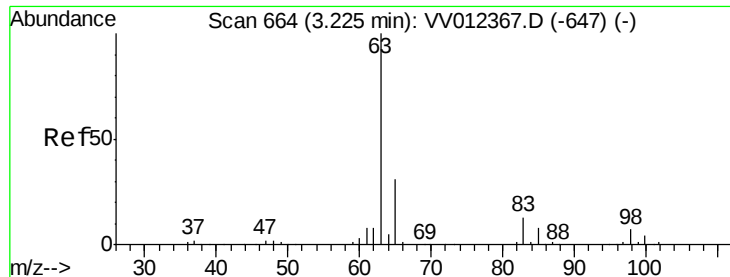
61 135.6 96.0 178.4

98 61.1 42.1 78.3



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

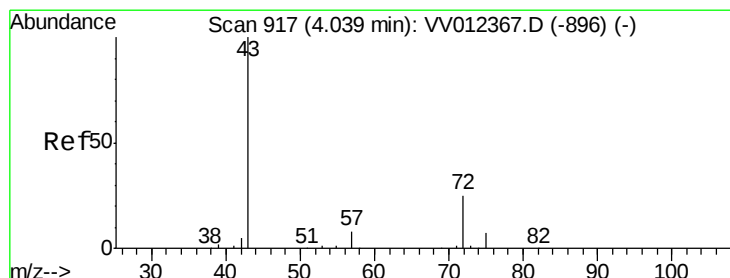
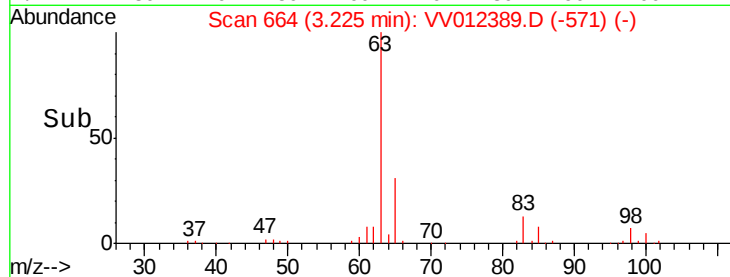
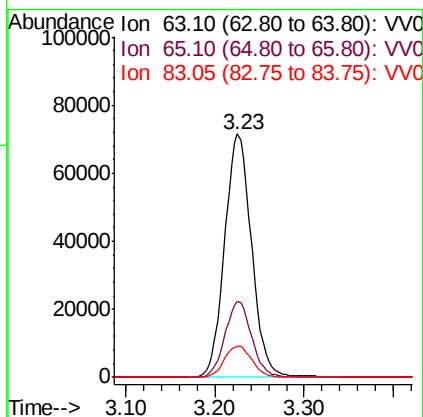
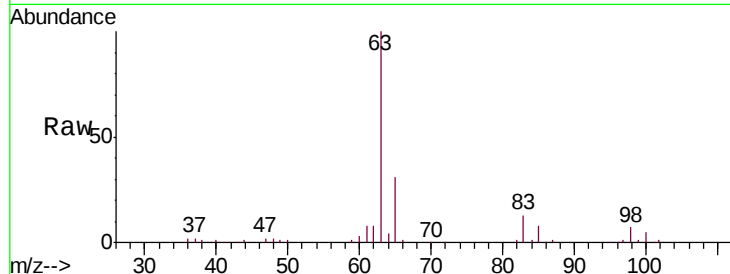




#19
 1,1-Dichloroethane
 Concen: 5.492 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV012389.D
 Acq: 24 Aug 2019 02:53

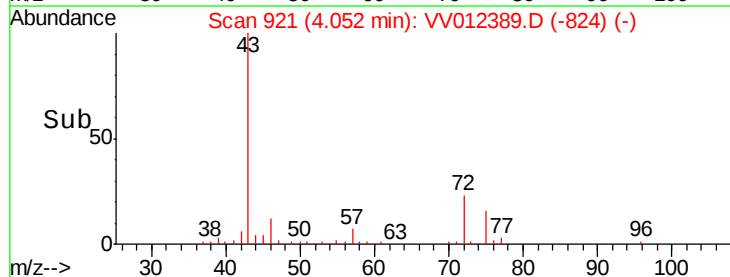
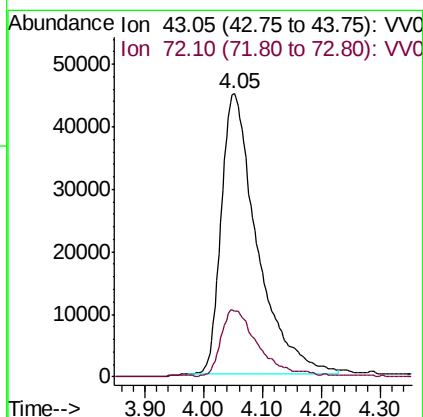
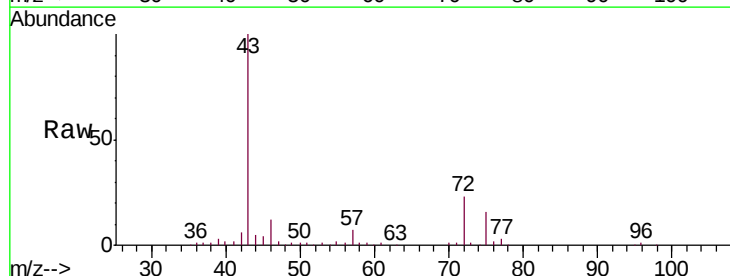
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00550

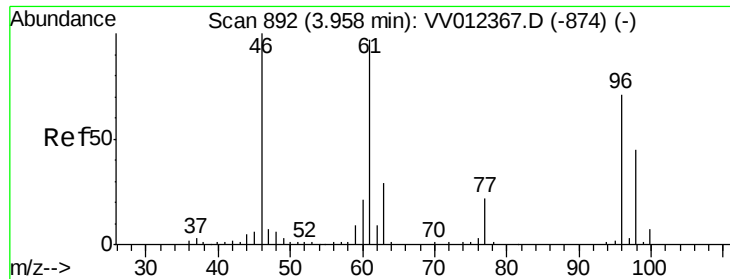
Tgt Ion: 63 Resp: 149931
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.1 42.9
 83 13.0 9.4 17.6



#21
 2-Butanone
 Concen: 56.894 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VV012389.D
 Acq: 24 Aug 2019 02:53

Tgt Ion: 43 Resp: 191649
 Ion Ratio Lower Upper
 43 100
 72 23.4 12.2 36.6



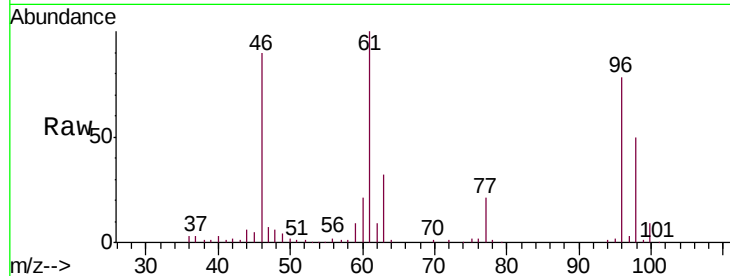


#22

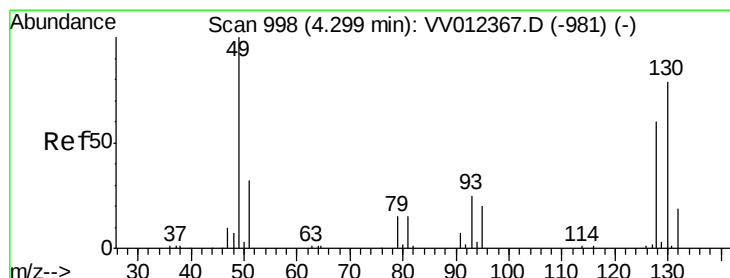
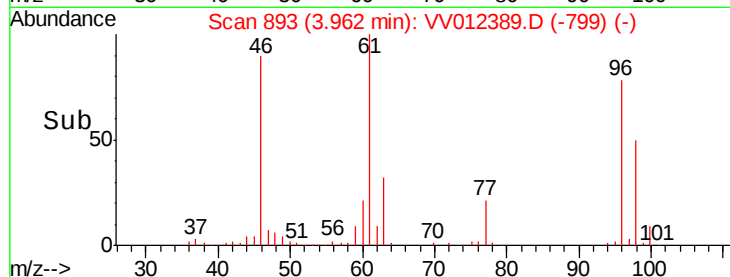
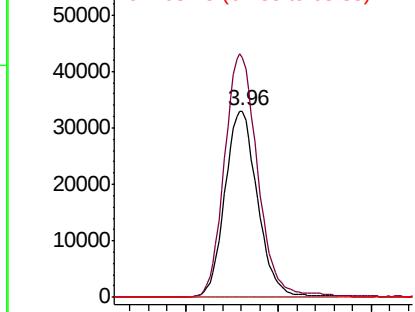
cis-1,2-Dichloroethene
 Concen: 5.043 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012389.D
 Acq: 24 Aug 2019 02:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00550

Tgt Ion: 96 Resp: 80752
 Ion Ratio Lower Upper
 96 100
 61 128.9 89.4 166.0
 68 0.0 0.0 0.0



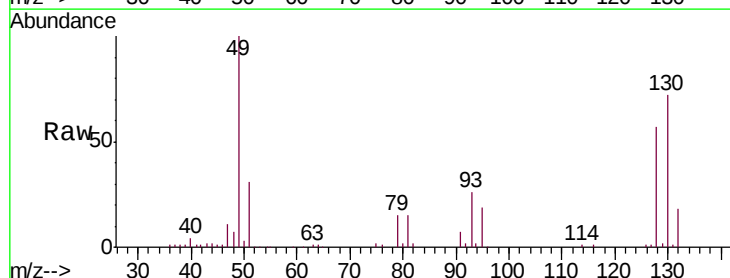
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



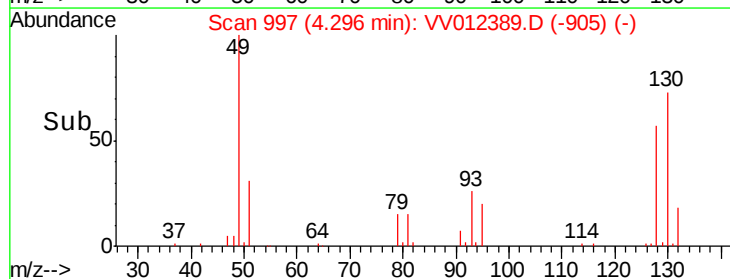
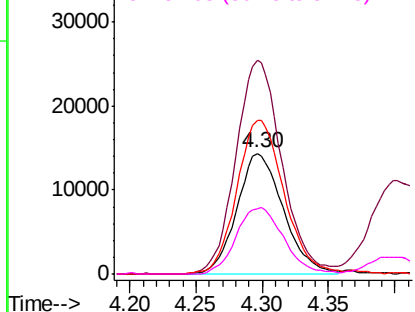
#23

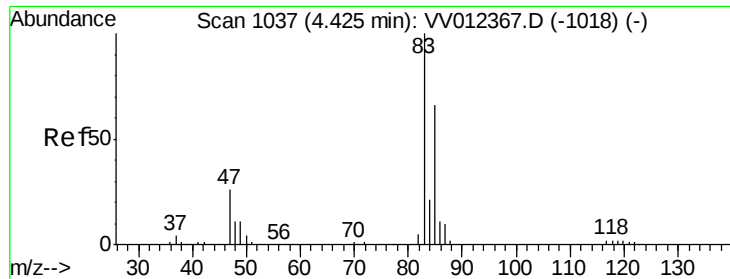
Bromochloromethane
 Concen: 5.245 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV012389.D
 Acq: 24 Aug 2019 02:53

Tgt Ion: 128 Resp: 34925
 Ion Ratio Lower Upper
 128 100
 49 176.7 120.7 224.1
 130 127.3 91.5 169.9
 51 54.4 44.3 66.5



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

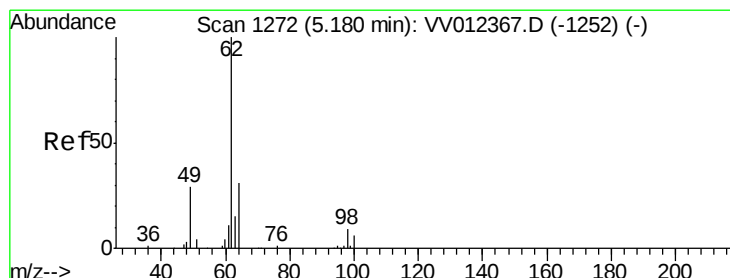
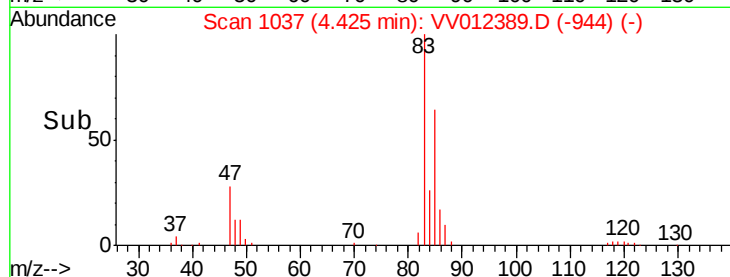
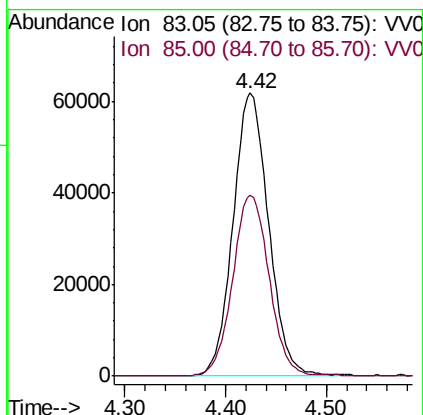
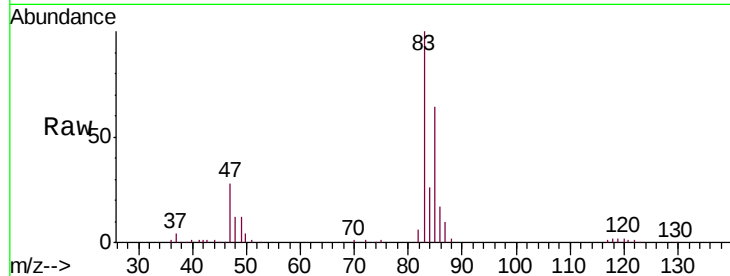




#25
Chloroform
Concen: 4.963 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012389.D
Acq: 24 Aug 2019 02:53

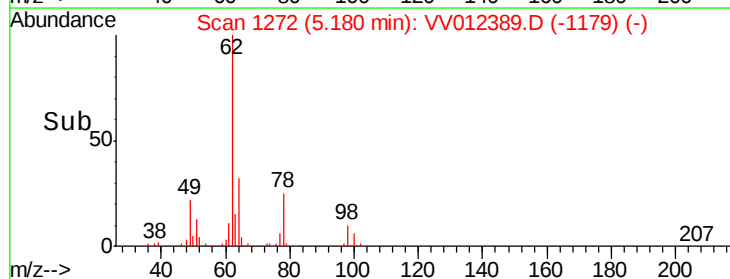
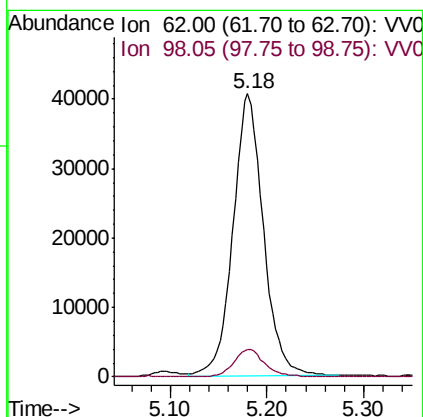
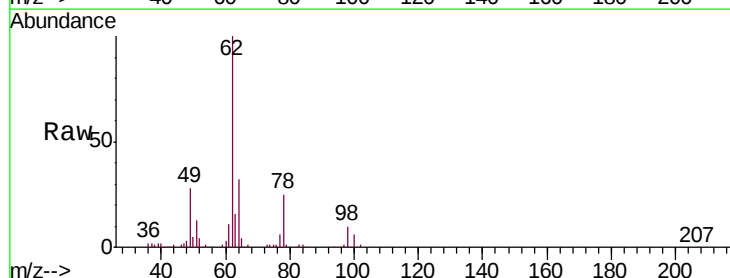
Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

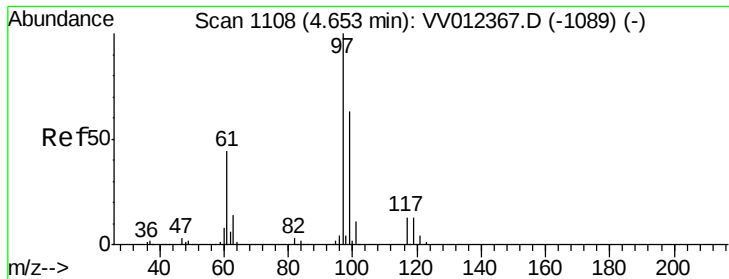
Tgt Ion: 83 Resp: 151159
Ion Ratio Lower Upper
83 100
85 64.0 44.6 82.8



#27
1,2-Dichloroethane
Concen: 5.520 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012389.D
Acq: 24 Aug 2019 02:53

Tgt Ion: 62 Resp: 88718
Ion Ratio Lower Upper
62 100
98 9.5 7.6 11.4

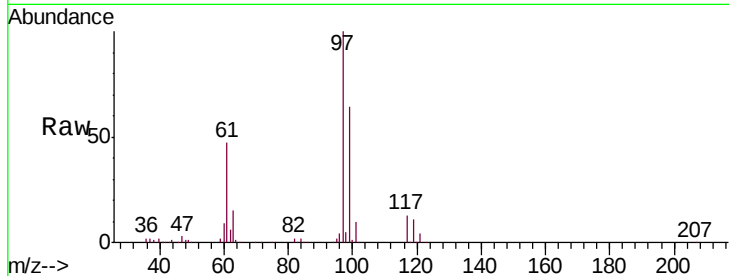




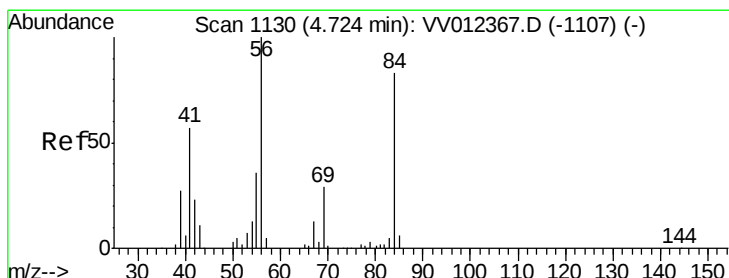
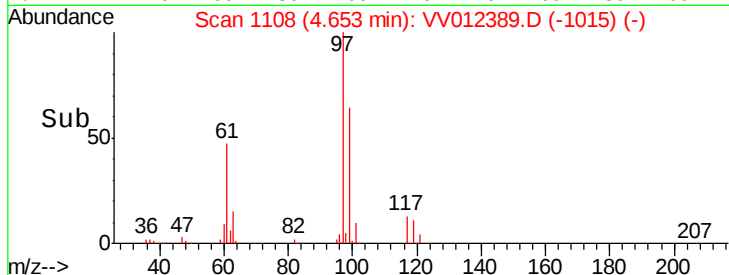
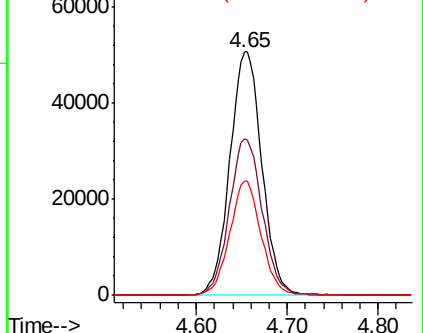
#29
 1,1,1-Trichloroethane
 Concen: 5.194 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV012389.D
 Acq: 24 Aug 2019 02:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00550

Tgt Ion: 97 Resp: 123911
 Ion Ratio Lower Upper
 97 100
 99 66.0 50.5 75.7
 61 46.4 35.4 53.2

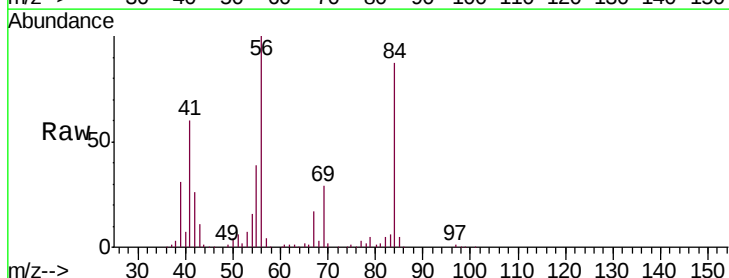


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

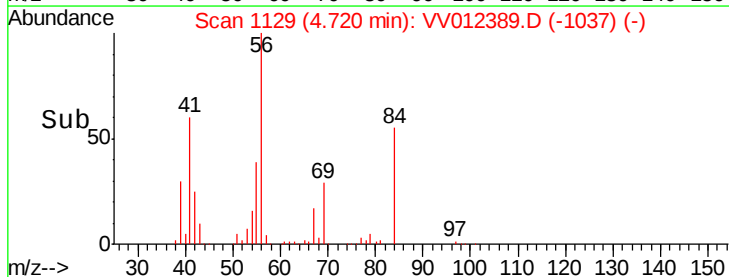
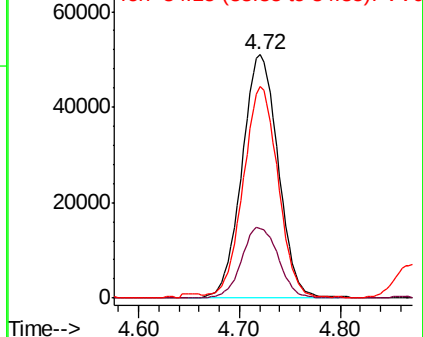


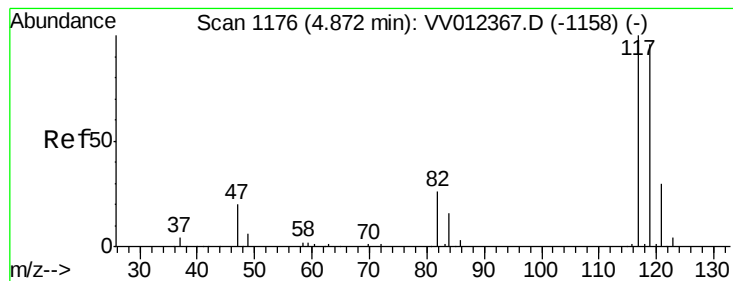
#30
 Cyclohexane
 Concen: 5.125 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV012389.D
 Acq: 24 Aug 2019 02:53

Tgt Ion: 56 Resp: 126306
 Ion Ratio Lower Upper
 56 100
 69 29.5 24.0 36.0
 84 83.4 67.9 101.9



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: 5.282 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV012389.D

Acq: 24 Aug 2019 02:53

Instrument :

MSVOA_V

ClientSampleId :

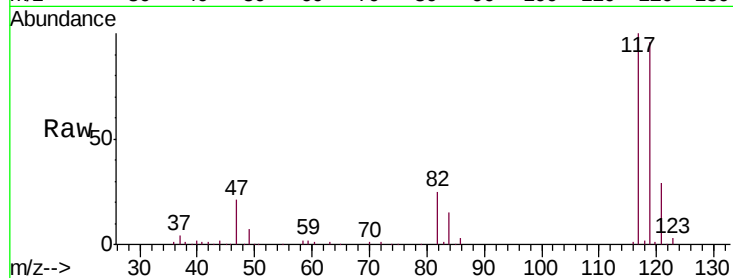
VSTD00550

Tgt Ion:117 Resp: 111438

Ion Ratio Lower Upper

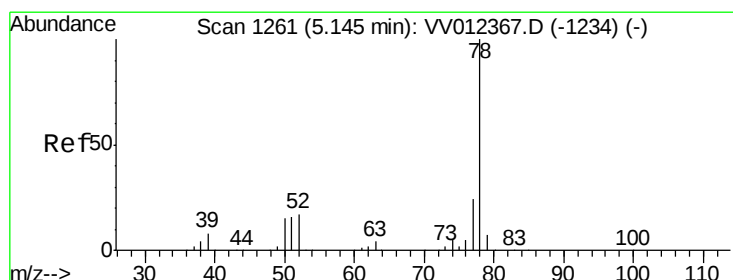
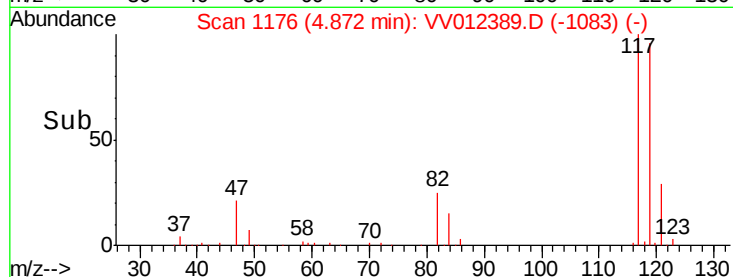
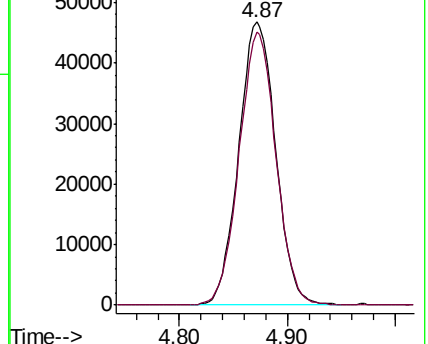
117 100

119 96.1 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.382 ug/L

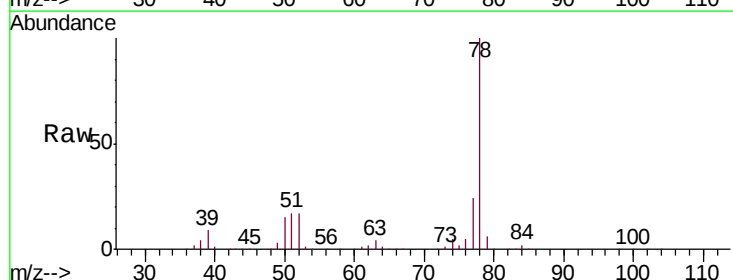
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

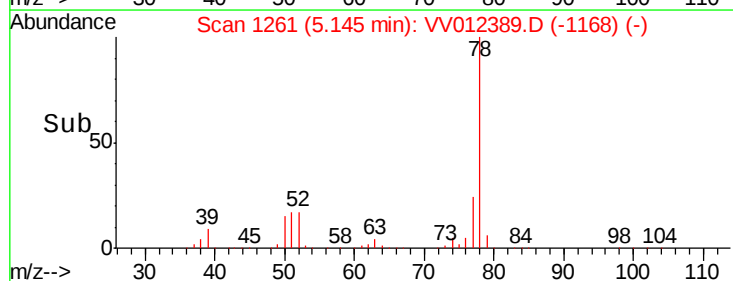
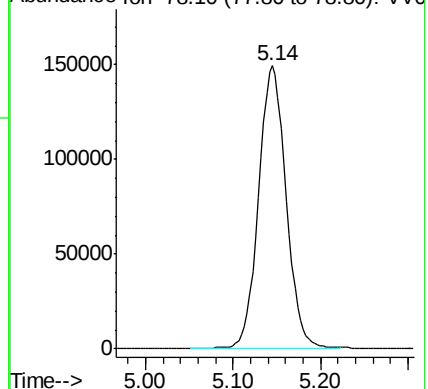
Lab File: VV012389.D

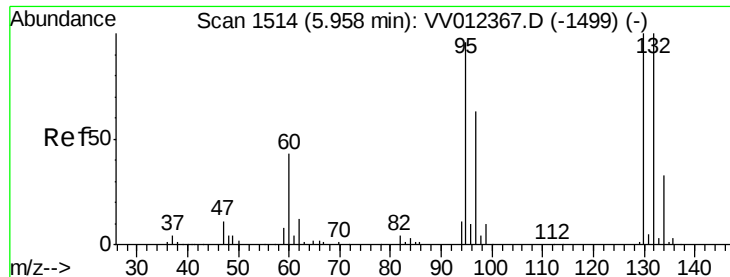
Acq: 24 Aug 2019 02:53

Tgt Ion: 78 Resp: 327680



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.155 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012389.D

Acq: 24 Aug 2019 02:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

Tgt Ion: 95 Resp: 84711

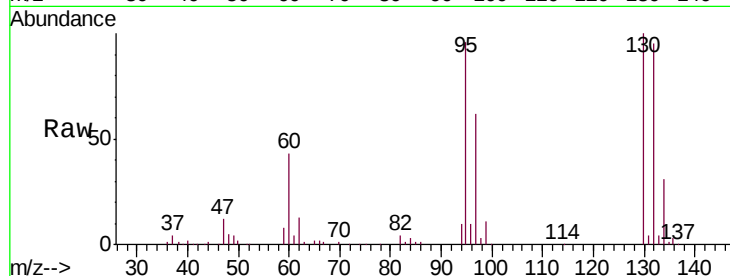
Ion Ratio Lower Upper

95 100

97 64.7 46.3 86.1

132 98.9 70.3 130.7

130 104.1 72.4 134.5

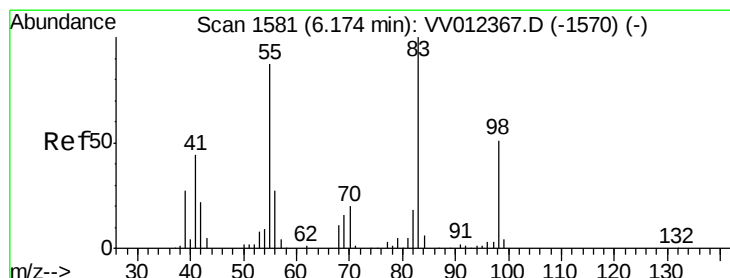
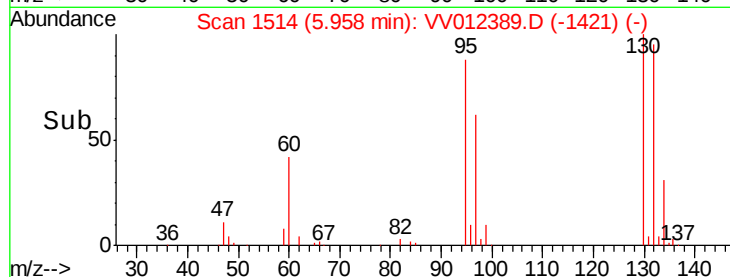
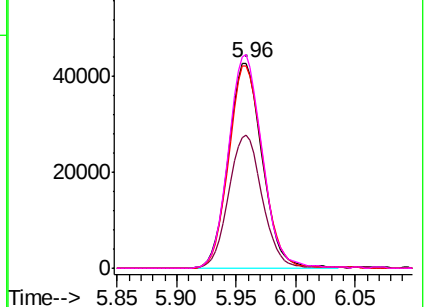


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.848 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012389.D

Acq: 24 Aug 2019 02:53

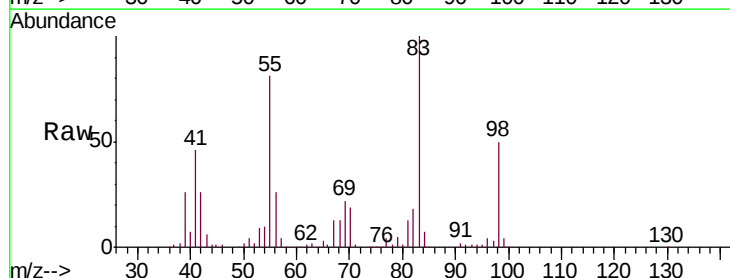
Tgt Ion: 83 Resp: 125144

Ion Ratio Lower Upper

83 100

55 80.8 64.6 97.0

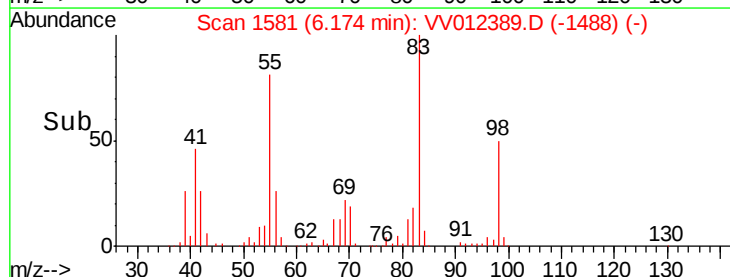
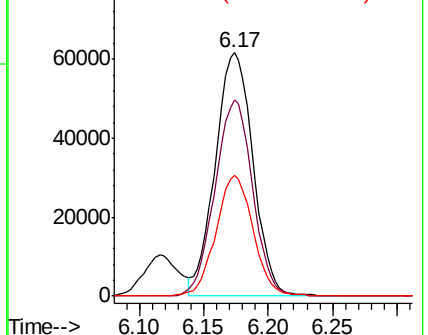
98 49.0 39.0 58.4

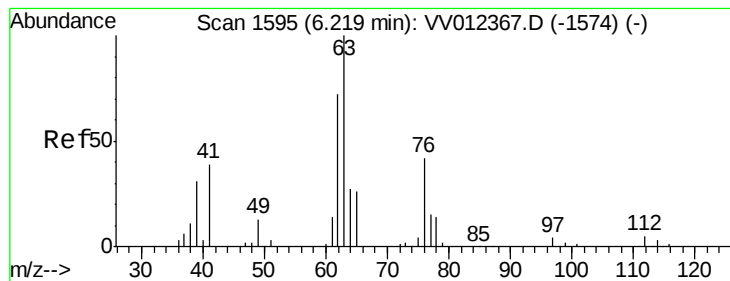


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.320 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV012389.D

Acq: 24 Aug 2019 02:53

Instrument :

MSVOA_V

ClientSampleId :

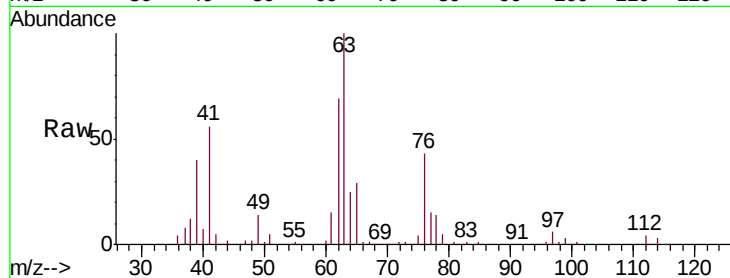
VSTD00550

Tgt Ion: 63 Resp: 82078

Ion Ratio Lower Upper

63 100

112 4.6 4.2 6.2



Abundance Ion 63.10 (62.80 to 63.80): VV012367.D (-1574) (-)

Ion 112.10 (111.80 to 112.80): VV012367.D (-1574) (-)

6.22

40000

30000

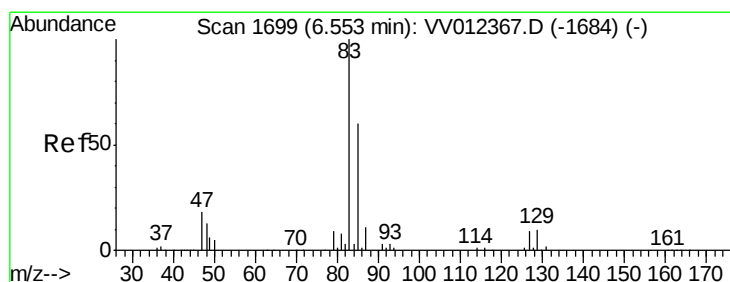
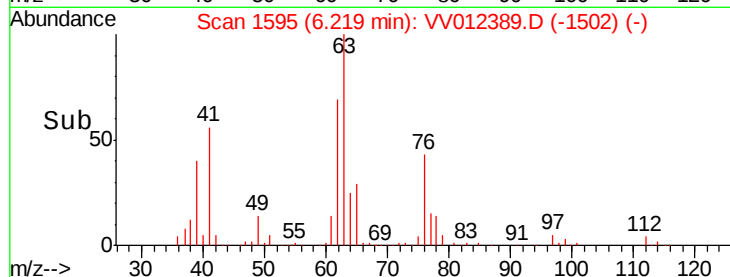
20000

10000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.204 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV012389.D

Acq: 24 Aug 2019 02:53

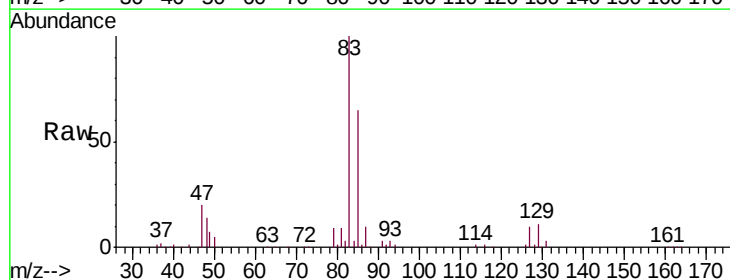
Tgt Ion: 83 Resp: 99046

Ion Ratio Lower Upper

83 100

85 64.6 45.0 83.6

127 9.7 7.7 11.5



Abundance Ion 82.95 (82.65 to 83.65): VV012367.D (-1684) (-)

Ion 85.00 (84.70 to 85.70): VV012367.D (-1684) (-)

Ion 126.90 (126.60 to 127.60): VV012367.D (-1684) (-)

6.55

60000

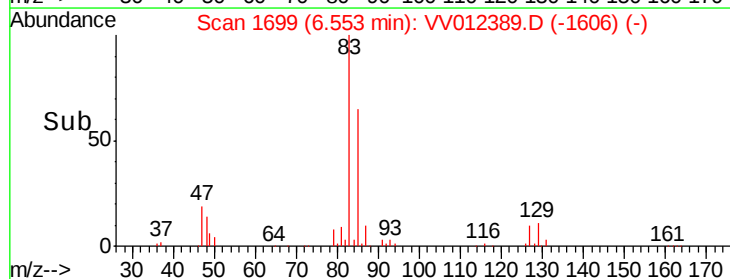
40000

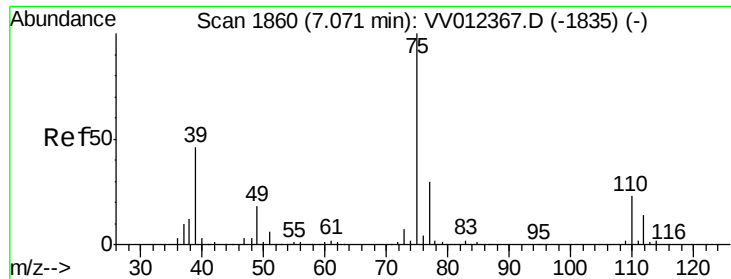
20000

0

6.45 6.50 6.55 6.60 6.65

Time-->

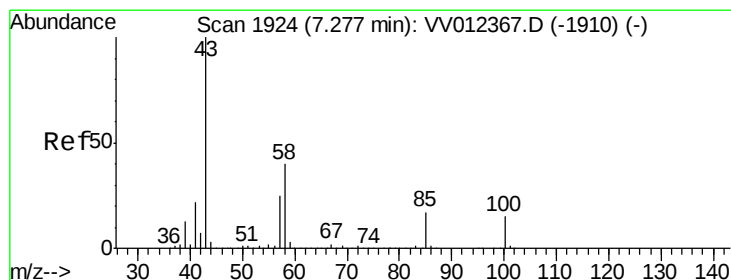
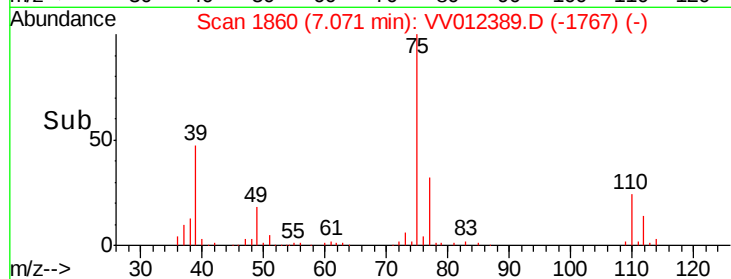
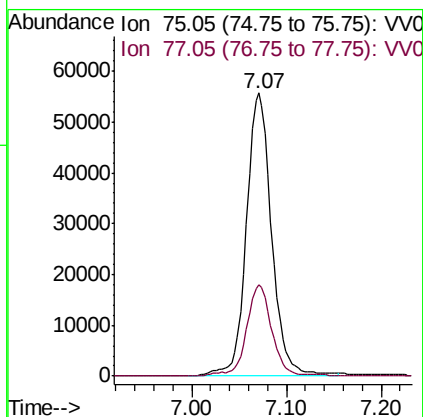
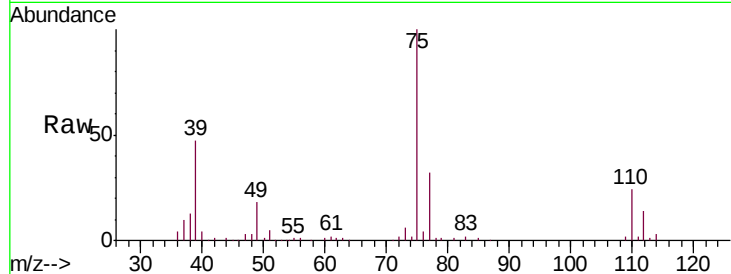




#39
 cis-1,3-Dichloropropene
 Concen: 4.997 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012389.D
 Acq: 24 Aug 2019 02:53

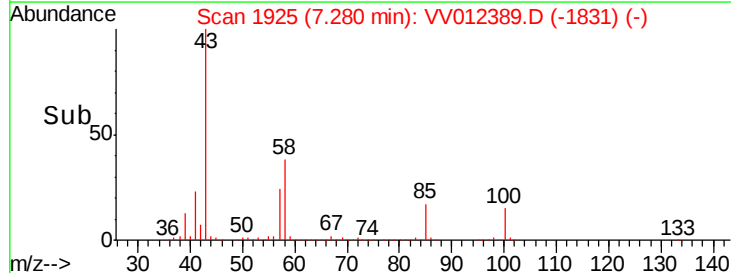
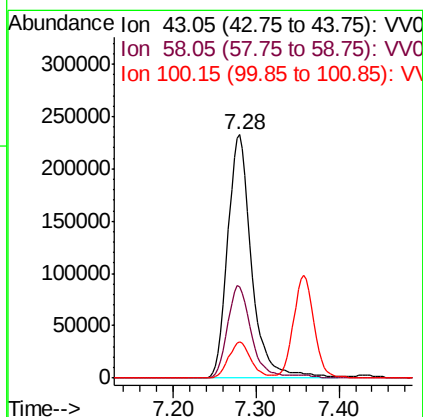
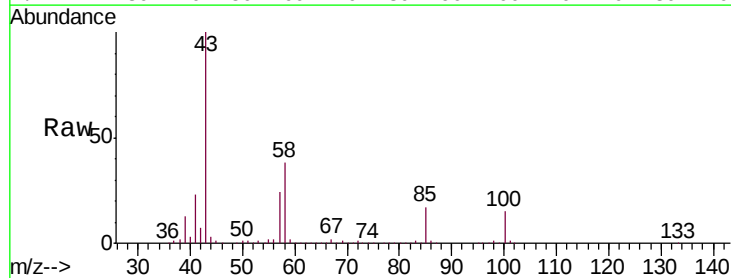
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00550

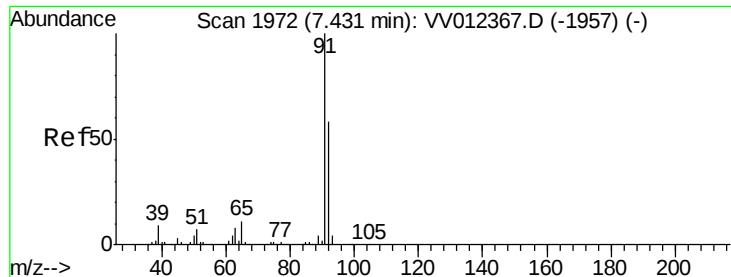
Tgt Ion: 75 Resp: 103644
 Ion Ratio Lower Upper
 75 100
 77 32.3 23.2 43.2



#40
 4-Methyl-2-pentanone
 Concen: 56.341 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV012389.D
 Acq: 24 Aug 2019 02:53

Tgt Ion: 43 Resp: 466962
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.7 46.1
 100 14.0 11.8 17.6





#42

Toluene

Concen: 5.459 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012389.D

Acq: 24 Aug 2019 02:53

Instrument :

MSVOA_V

ClientSampleId :

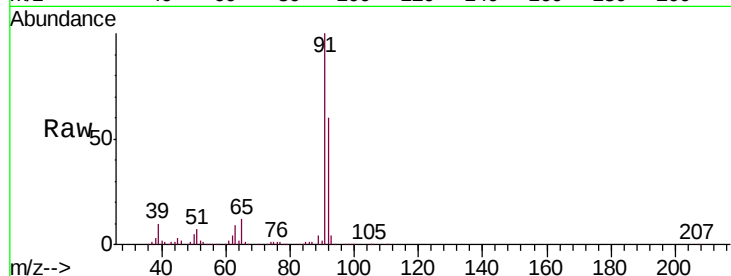
VSTD00550

Tgt Ion: 91 Resp: 339509

Ion Ratio Lower Upper

91 100

92 59.8 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

200000

150000

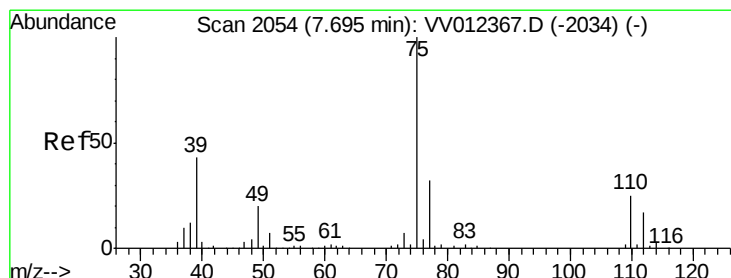
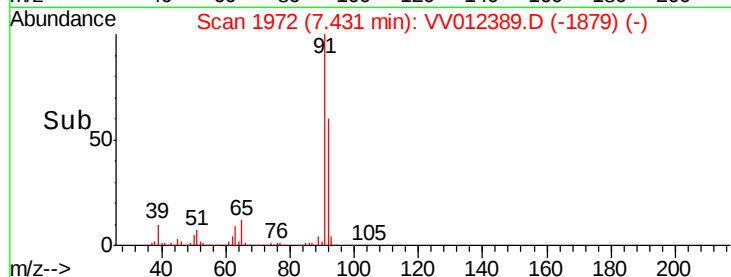
100000

50000

0

7.40 7.50 7.60

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.144 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012389.D

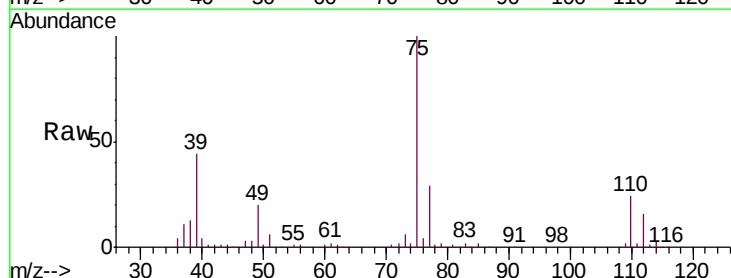
Acq: 24 Aug 2019 02:53

Tgt Ion: 75 Resp: 80711

Ion Ratio Lower Upper

75 100

77 29.5 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

50000

40000

30000

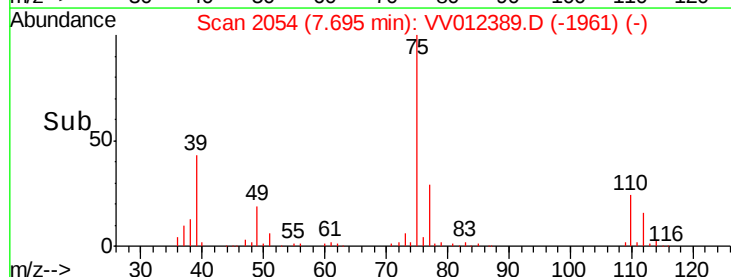
20000

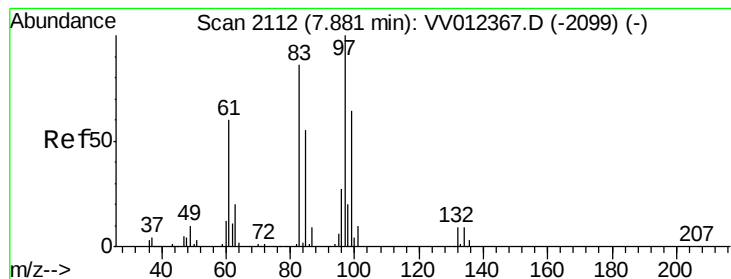
10000

0

7.60 7.70 7.80

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.431 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV012389.D

Acq: 24 Aug 2019 02:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

Tgt Ion: 97 Resp: 54289

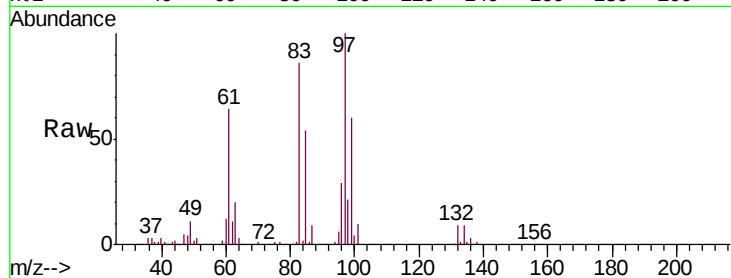
Ion Ratio Lower Upper

97 100

99 59.8 45.0 83.6

83 85.5 59.3 110.1

85 54.3 38.8 72.0

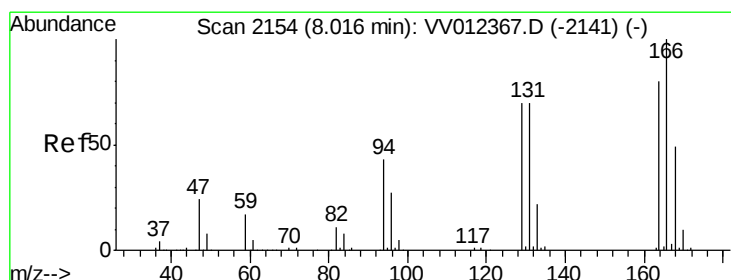
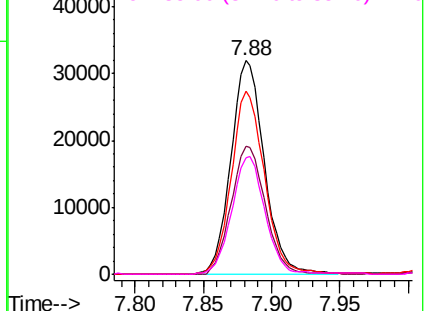
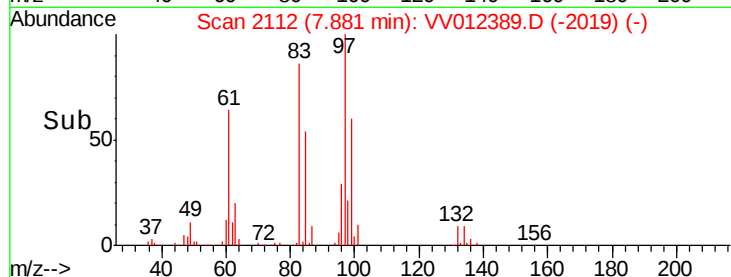


Abundance Ion 96.95 (96.65 to 97.65): VV012389.D (-2019) (-)

Ion 99.05 (98.75 to 99.75): VV012389.D (-2019) (-)

Ion 82.95 (82.65 to 83.65): VV012389.D (-2019) (-)

Ion 85.00 (84.70 to 85.70): VV012389.D (-2019) (-)



#47

Tetrachloroethene

Concen: 5.358 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012389.D

Acq: 24 Aug 2019 02:53

Tgt Ion: 164 Resp: 71048

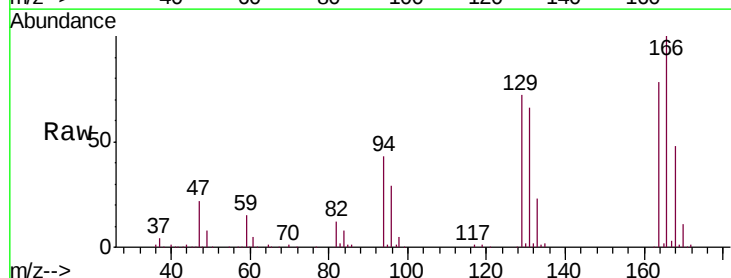
Ion Ratio Lower Upper

164 100

129 92.4 60.6 112.6

131 84.4 58.8 109.2

166 127.5 87.6 162.8

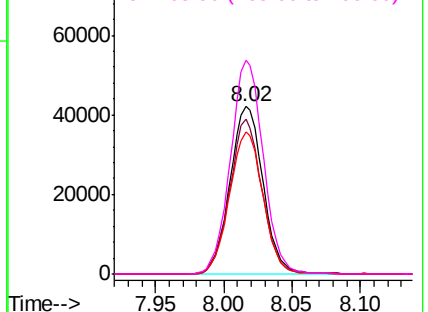
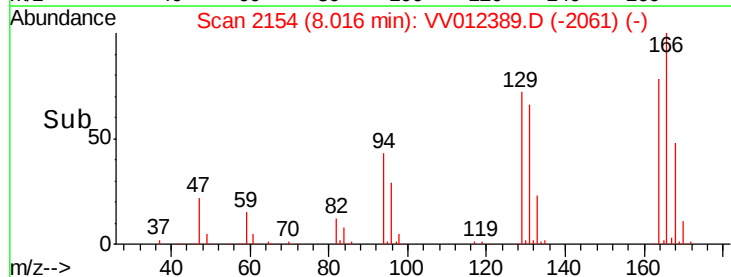


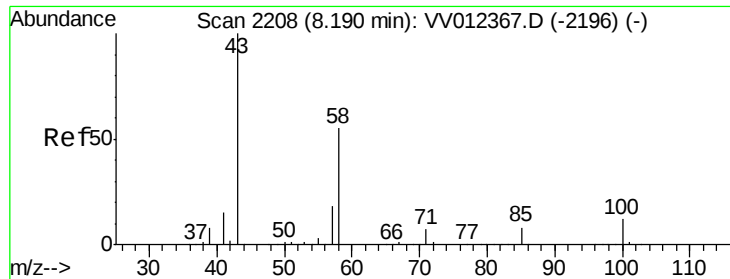
Abundance Ion 163.90 (163.60 to 164.60): VV012389.D (-2061) (-)

Ion 128.95 (128.65 to 129.65): VV012389.D (-2061) (-)

Ion 130.95 (130.65 to 131.65): VV012389.D (-2061) (-)

Ion 165.90 (165.60 to 166.60): VV012389.D (-2061) (-)

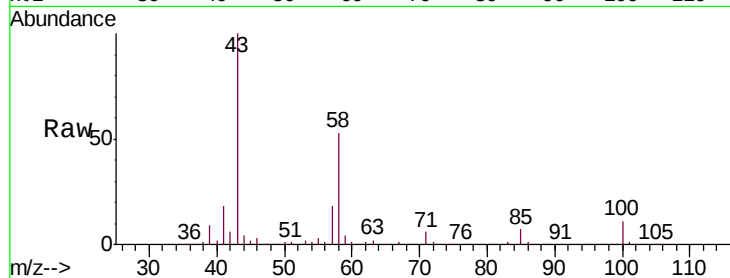




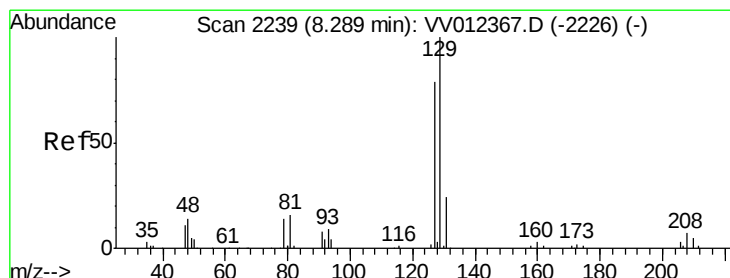
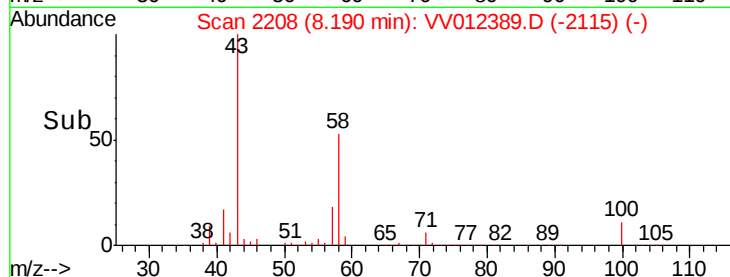
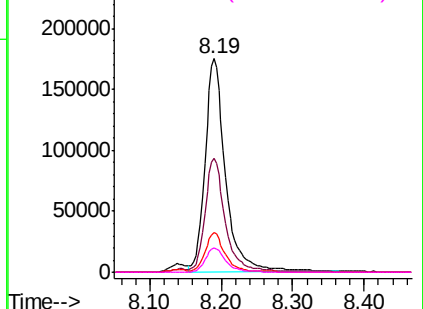
#48
2-Hexanone
Concen: 58.049 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV012389.D
Acq: 24 Aug 2019 02:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

Tgt Ion:	43	Resp:	346181
Ion	Ratio	Lower	Upper
43	100		
58	51.1	46.3	69.5
57	17.9	14.9	22.3
100	11.1	9.7	14.5

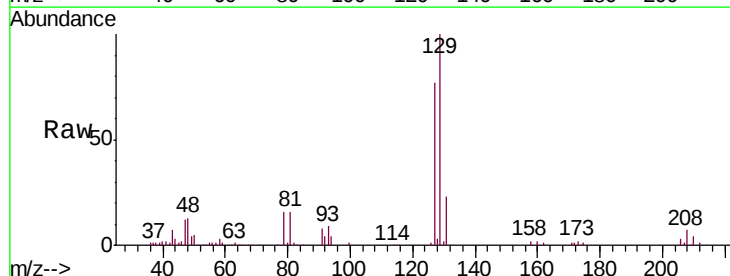


Abundance Ion 43.05 (42.75 to 43.75): VV012389.D (-2115) (-)
Ion 58.05 (57.75 to 58.75): VV012389.D (-2115) (-)
Ion 57.20 (56.90 to 57.90): VV012389.D (-2115) (-)
Ion 100.15 (99.85 to 100.85): VV012389.D (-2115) (-)

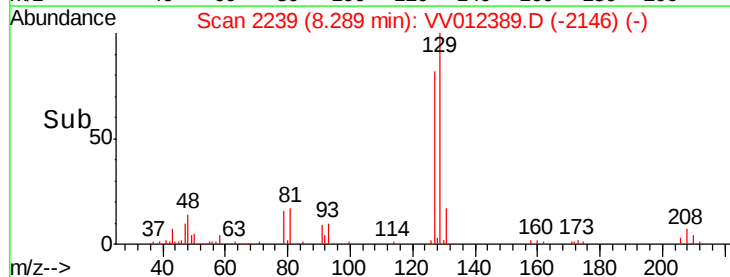
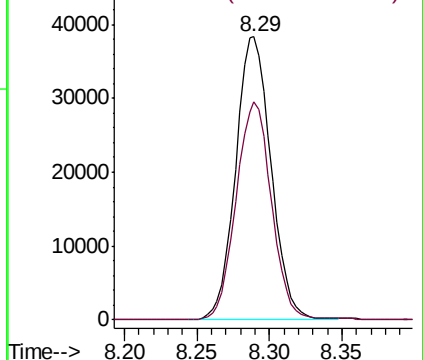


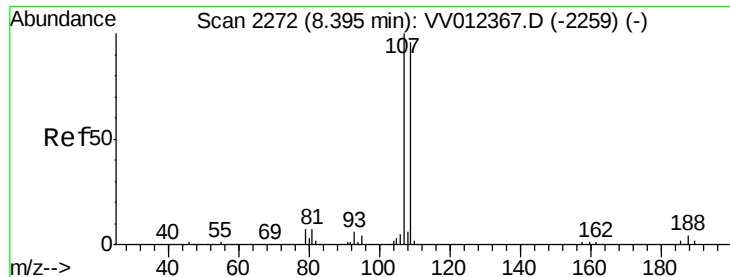
#49
Dibromochloromethane
Concen: 5.436 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012389.D
Acq: 24 Aug 2019 02:53

Tgt Ion:	129	Resp:	65120
Ion	Ratio	Lower	Upper
129	100		
127	77.0	53.8	99.8



Abundance Ion 128.95 (128.65 to 129.65): VV012389.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV012389.D (-2146) (-)

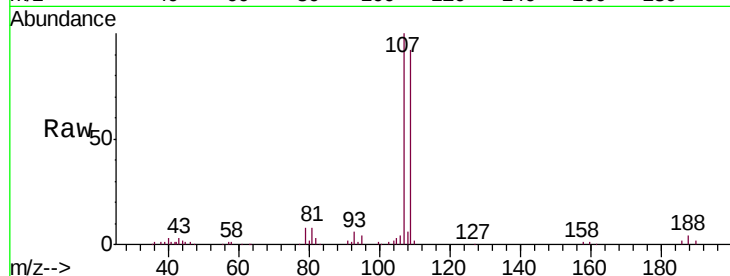




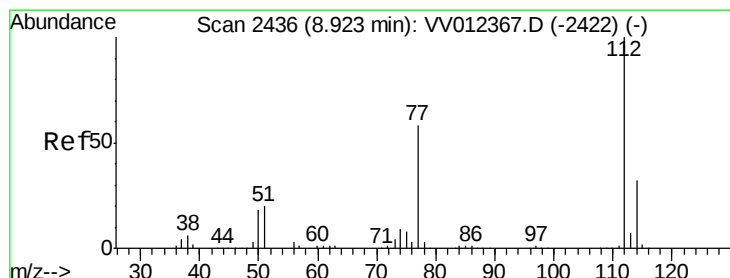
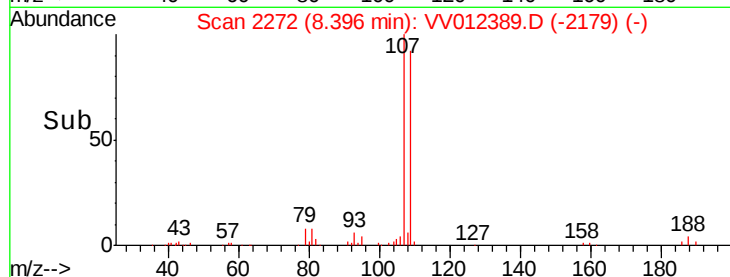
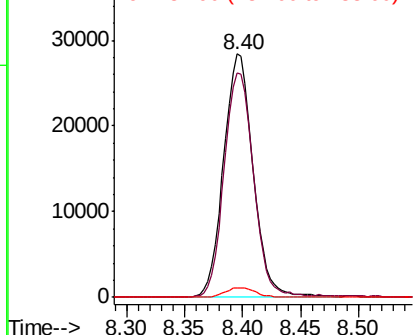
#50
1,2-Dibromoethane
Concen: 5.291 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012389.D
Acq: 24 Aug 2019 02:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

Tgt Ion:107 Resp: 50006
Ion Ratio Lower Upper
107 100
109 92.4 64.9 120.5
188 4.1 3.5 5.3

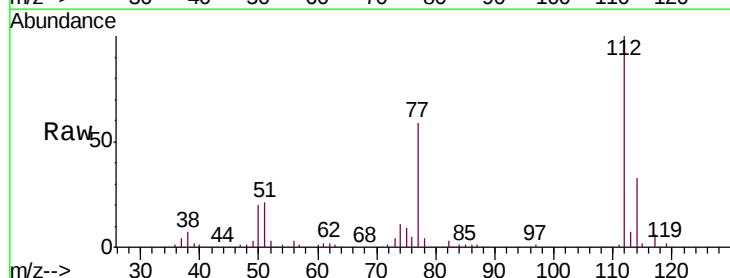


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

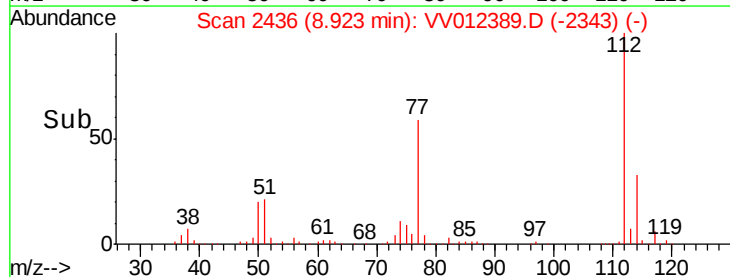
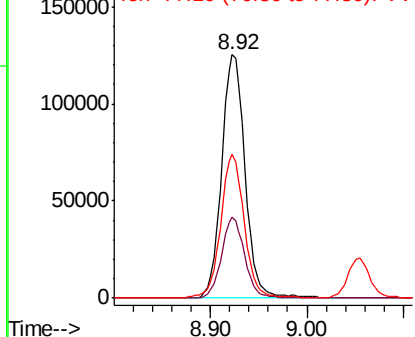


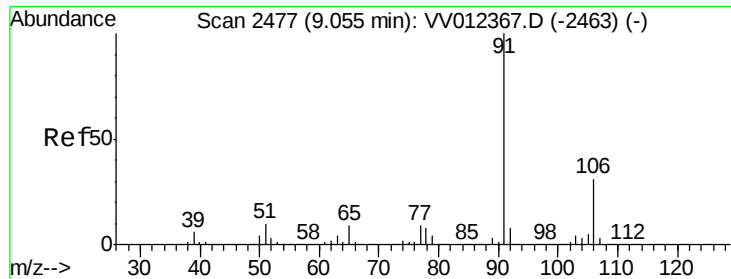
#51
Chlorobenzene
Concen: 5.178 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012389.D
Acq: 24 Aug 2019 02:53

Tgt Ion:112 Resp: 210423
Ion Ratio Lower Upper
112 100
114 33.1 23.0 42.6
77 58.8 46.4 69.6



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: 5.228 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012389.D

Acq: 24 Aug 2019 02:53

Instrument :

MSVOA_V

ClientSampleId :

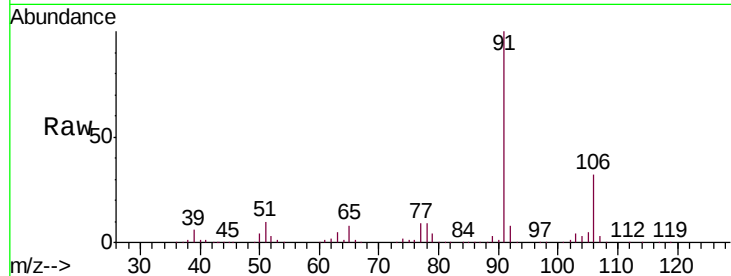
VSTD00550

Tgt Ion: 91 Resp: 349984

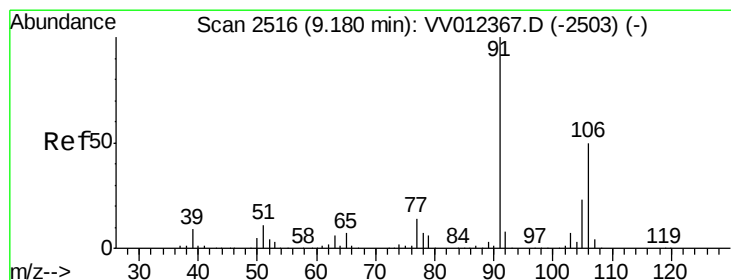
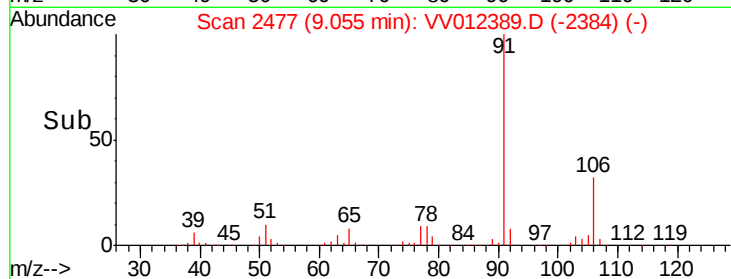
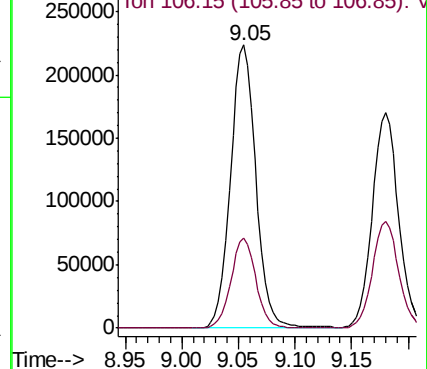
Ion Ratio Lower Upper

91 100

106 31.8 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV012389.D (-2384) (-)



#53

m,p-xylene

Concen: 5.407 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012389.D

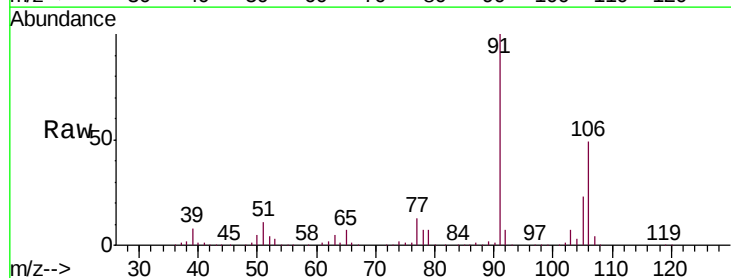
Acq: 24 Aug 2019 02:53

Tgt Ion: 106 Resp: 135696

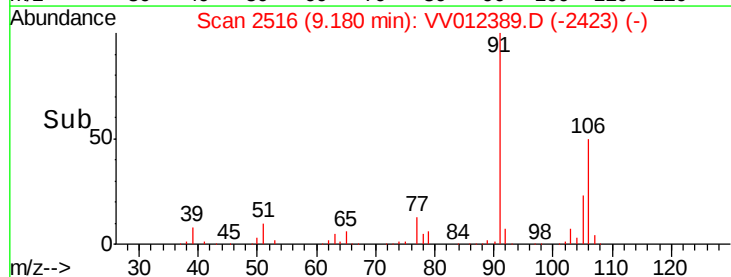
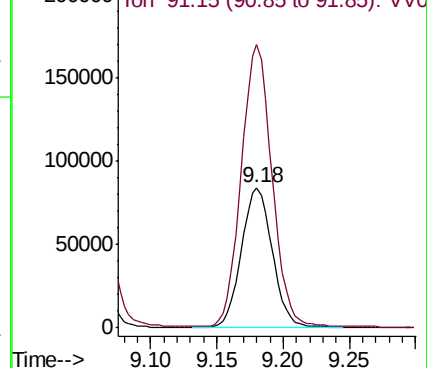
Ion Ratio Lower Upper

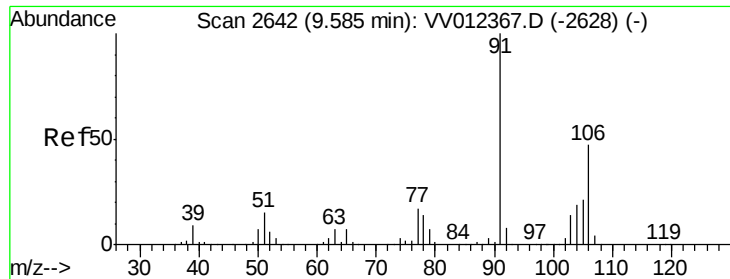
106 100

91 202.2 140.8 261.4



Abundance Ion 106.15 (105.85 to 106.85): VV012389.D (-2423) (-)





#54

o-xylene

Concen: 5.311 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012389.D

Acq: 24 Aug 2019 02:53

Instrument :

MSVOA_V

ClientSampleId :

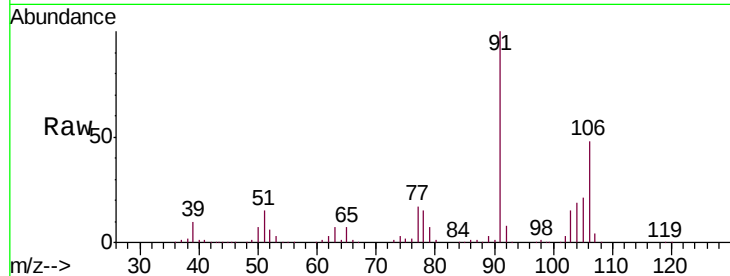
VSTD00550

Tgt Ion:106 Resp: 126840

Ion Ratio Lower Upper

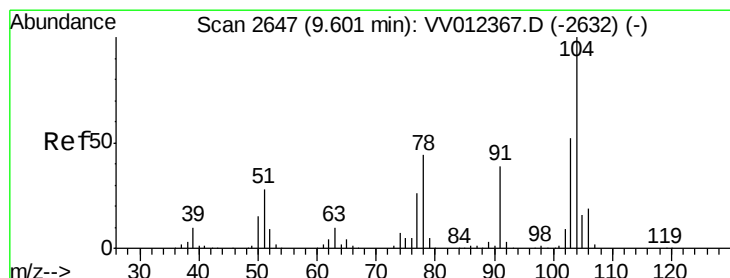
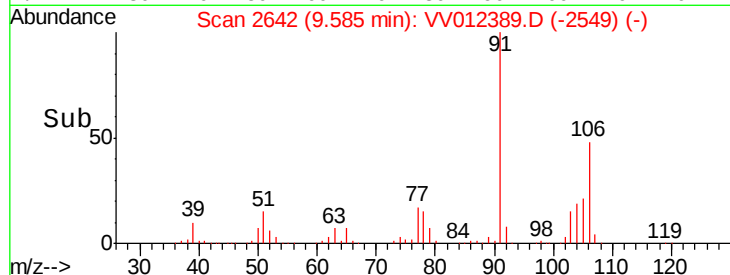
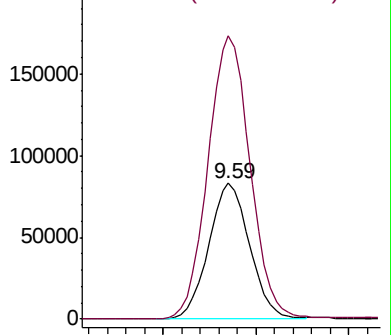
106 100

91 208.5 149.5 277.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.524 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012389.D

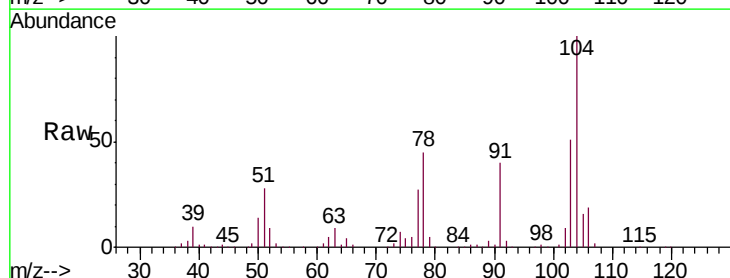
Acq: 24 Aug 2019 02:53

Tgt Ion:104 Resp: 220715

Ion Ratio Lower Upper

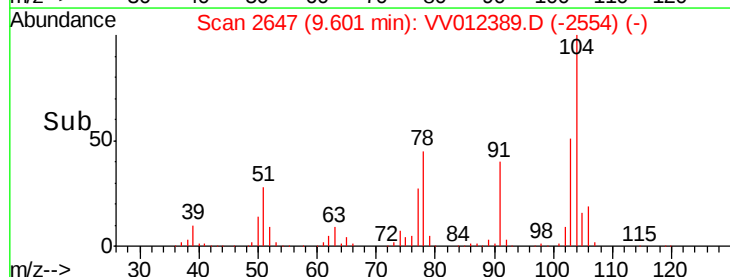
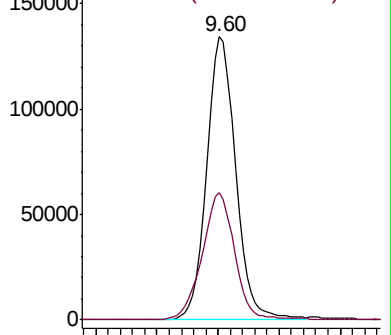
104 100

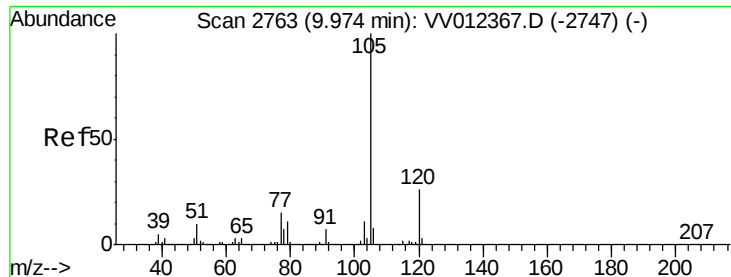
78 45.1 29.8 55.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.356 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012389.D

Acq: 24 Aug 2019 02:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

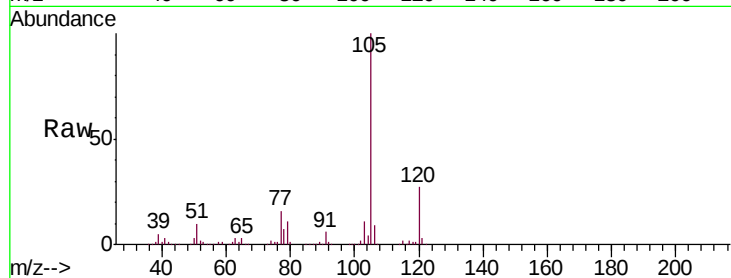
Tgt Ion: 105 Resp: 342372

Ion Ratio Lower Upper

105 100

120 26.4 21.5 32.3

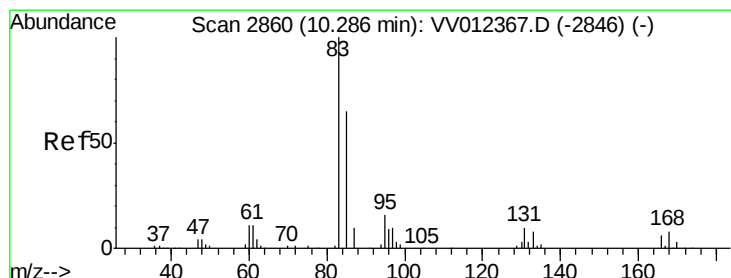
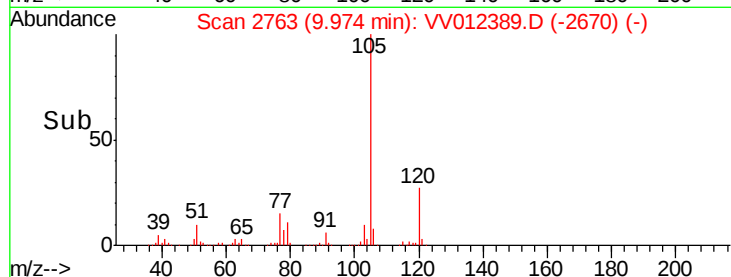
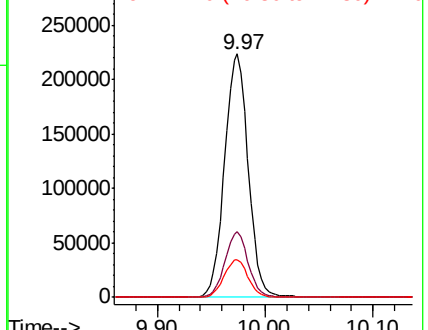
77 15.9 12.5 18.7



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: 5.401 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012389.D

Acq: 24 Aug 2019 02:53

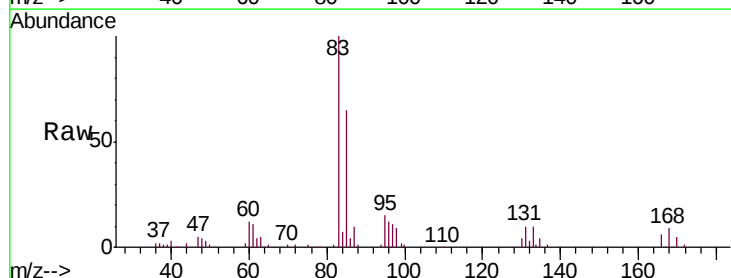
Tgt Ion: 83 Resp: 57951

Ion Ratio Lower Upper

83 100

85 64.6 46.5 86.5

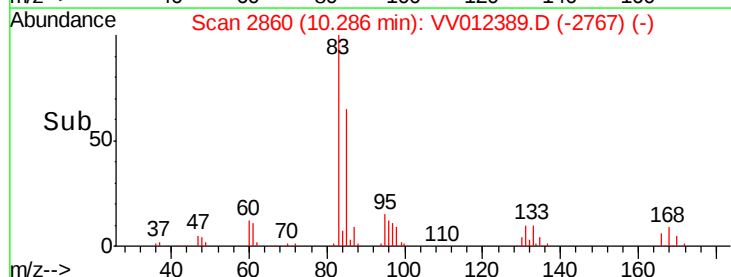
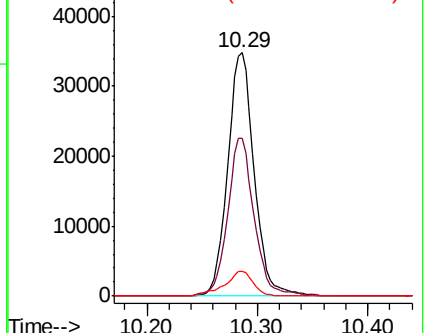
131 10.3 8.9 13.3

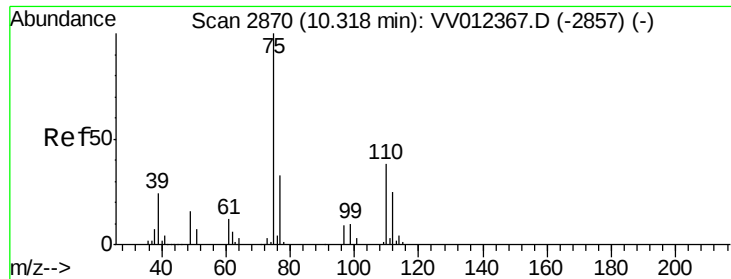


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

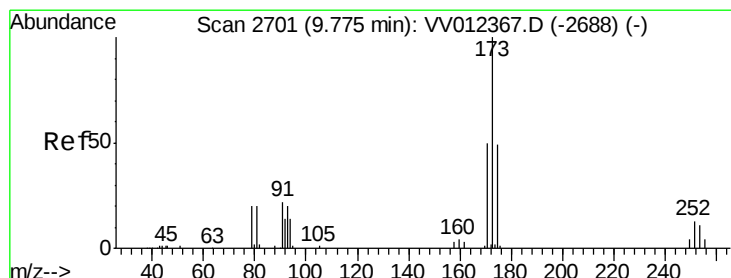
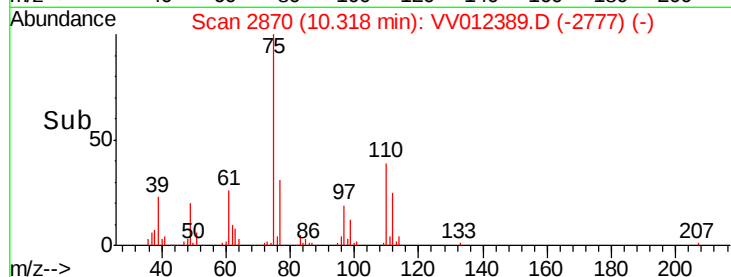
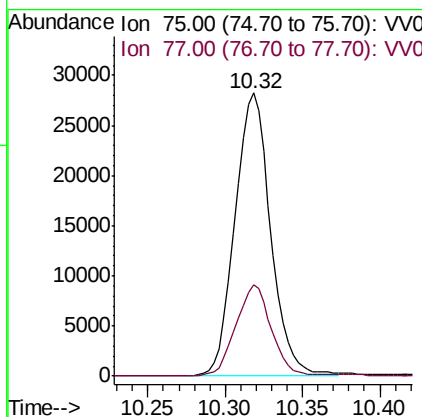
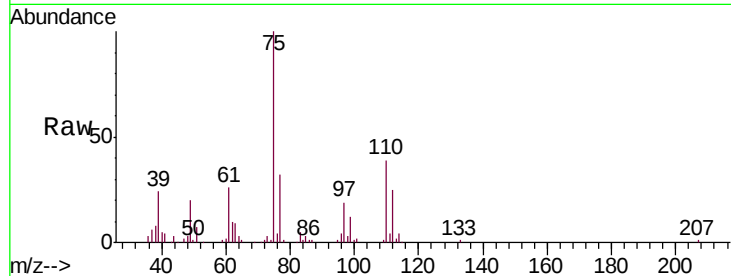




#59
 1,2,3-Trichloropropane
 Concen: 5.327 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV012389.D
 Acq: 24 Aug 2019 02:53

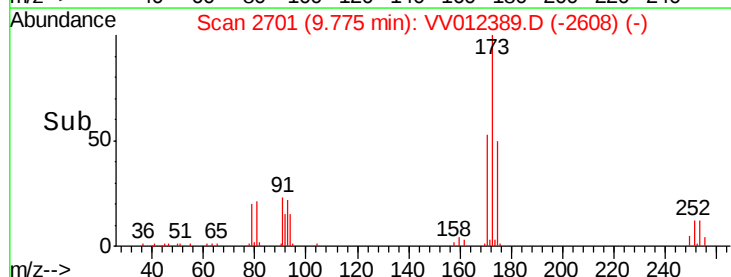
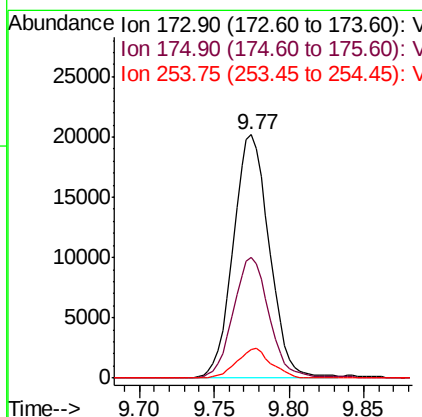
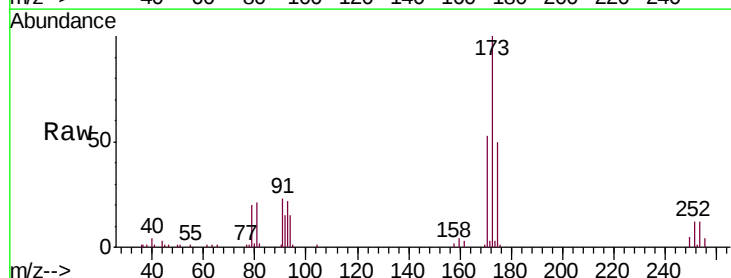
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00550

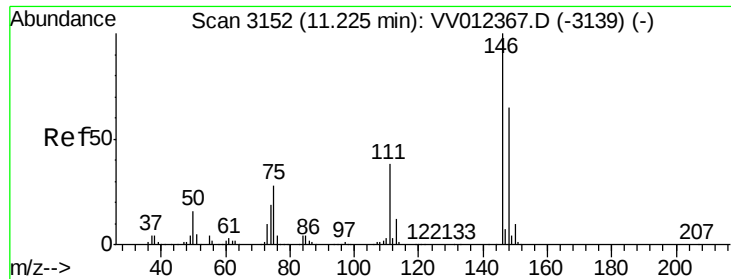
Tgt Ion: 75 Resp: 45152
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.9 38.9



#61
 Bromoform
 Concen: 4.955 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV012389.D
 Acq: 24 Aug 2019 02:53

Tgt Ion: 173 Resp: 33949
 Ion Ratio Lower Upper
 173 100
 175 49.2 40.7 61.1
 254 11.6 9.5 14.3





#62

1,3-Dichlorobenzene

Concen: 5.133 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012389.D

Acq: 24 Aug 2019 02:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

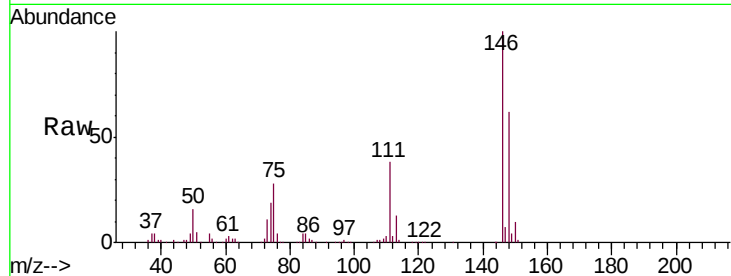
Tgt Ion:146 Resp: 166490

Ion Ratio Lower Upper

146 100

111 38.3 27.0 50.2

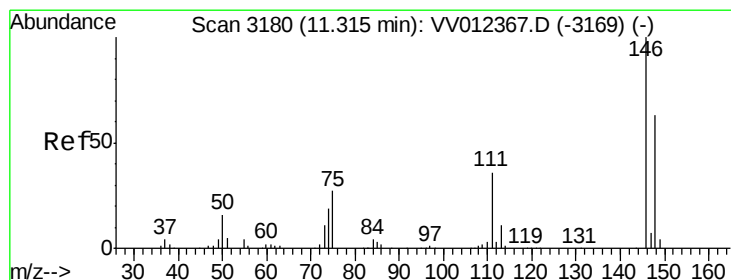
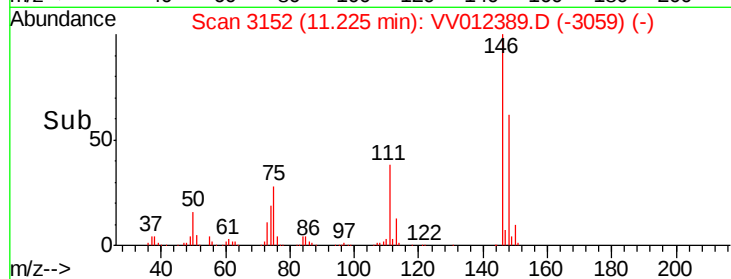
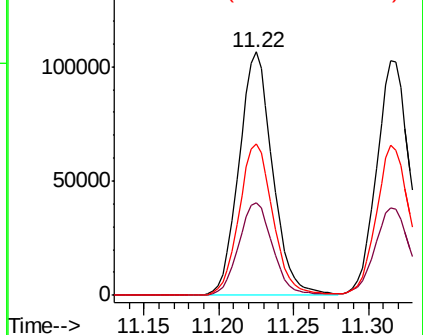
148 62.2 44.7 83.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.979 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012389.D

Acq: 24 Aug 2019 02:53

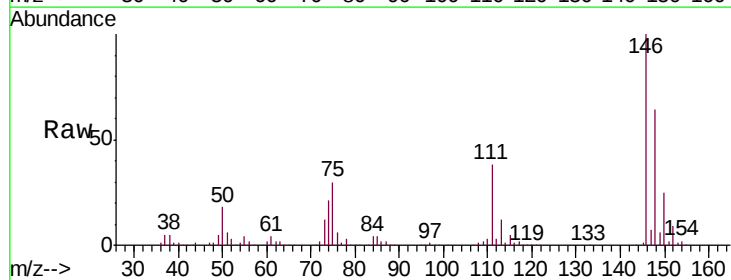
Tgt Ion:146 Resp: 161740

Ion Ratio Lower Upper

146 100

111 37.6 25.7 47.7

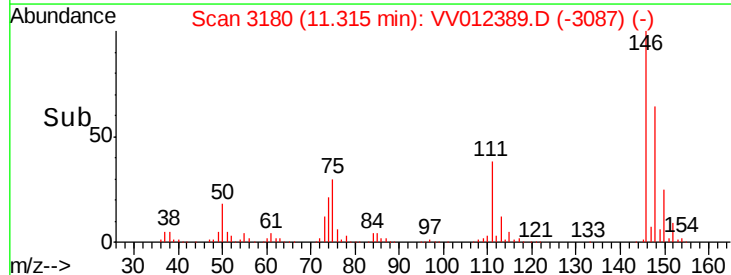
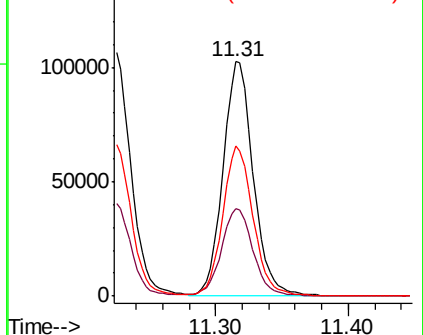
148 63.9 45.0 83.6

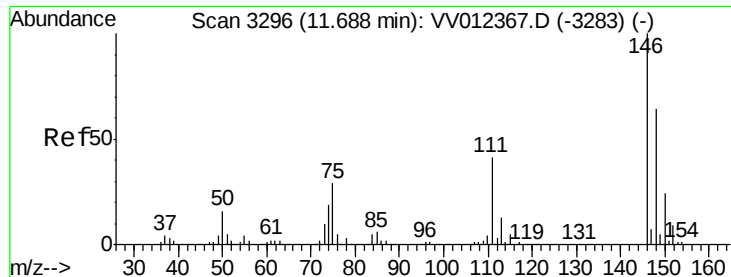


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.152 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012389.D

Acq: 24 Aug 2019 02:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

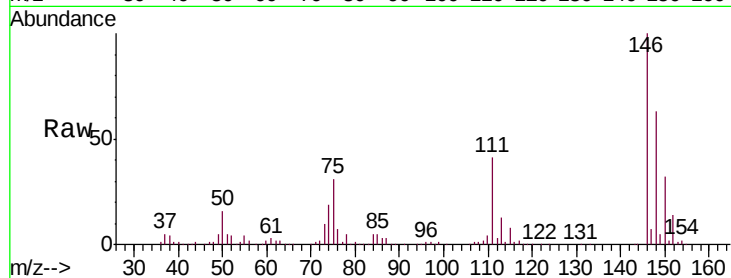
Tgt Ion:146 Resp: 153674

Ion Ratio Lower Upper

146 100

111 40.9 31.9 47.9

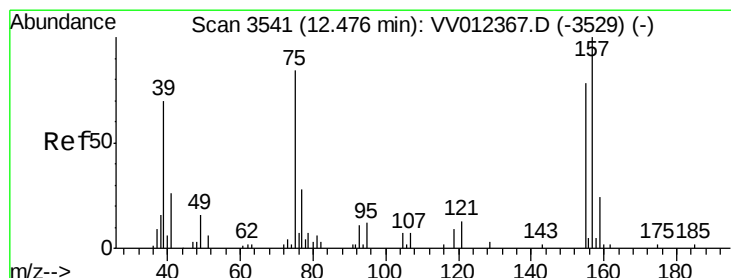
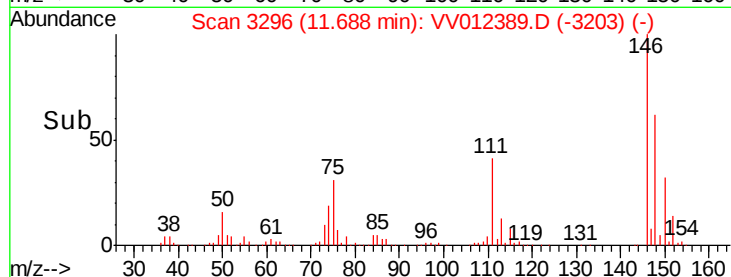
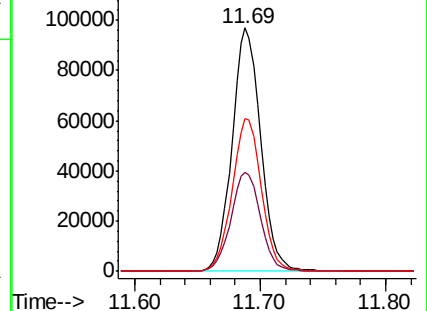
148 62.5 50.2 75.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.557 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV012389.D

Acq: 24 Aug 2019 02:53

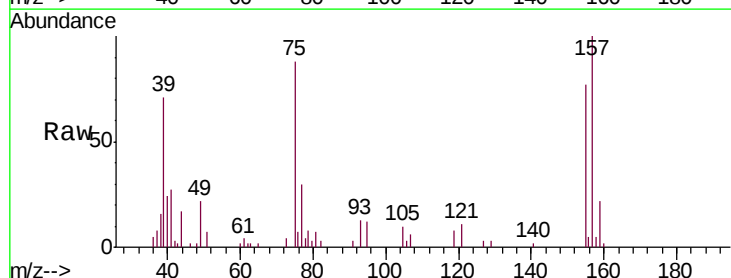
Tgt Ion: 75 Resp: 7792

Ion Ratio Lower Upper

75 100

155 87.2 72.6 109.0

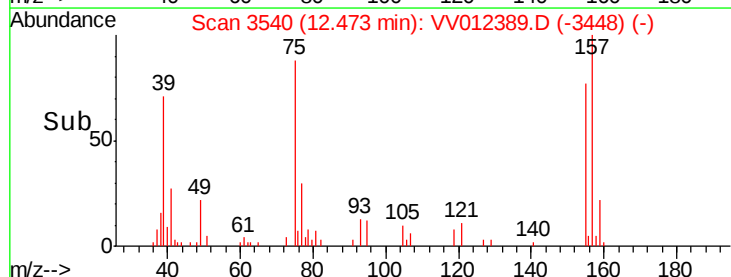
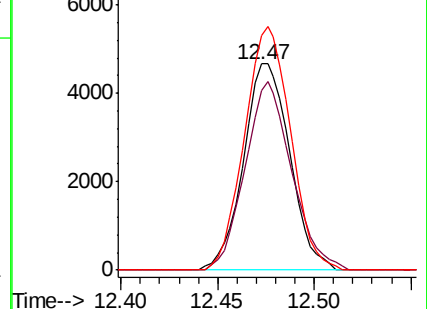
157 113.5 80.5 120.7

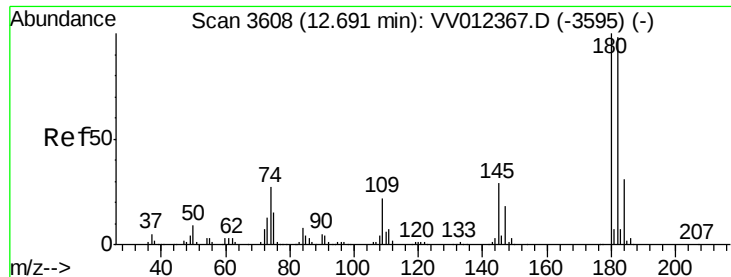


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

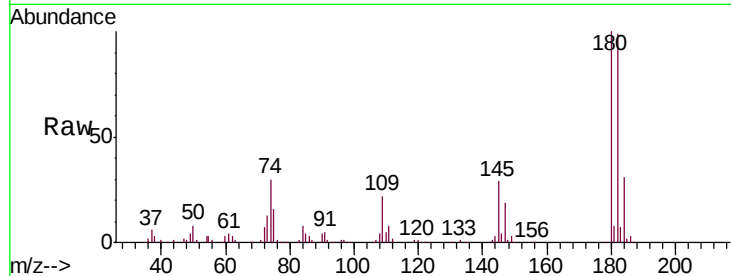




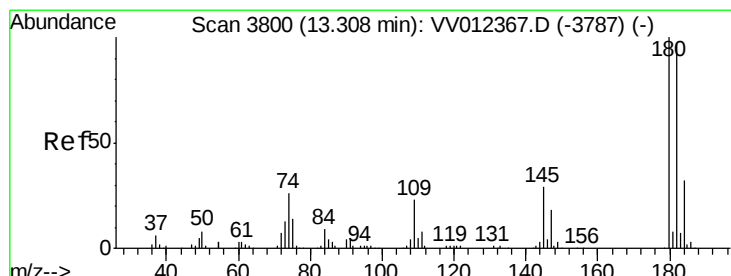
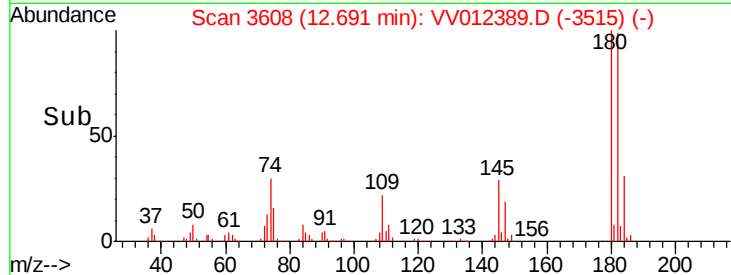
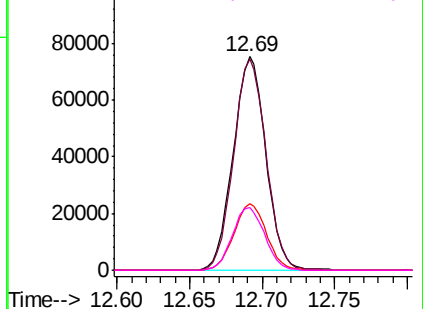
#67
 1,3,5-Trichlorobenzene
 Concen: 4.733 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012389.D
 Acq: 24 Aug 2019 02:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00550

Tgt Ion:180 Resp: 117537
 Ion Ratio Lower Upper
 180 100
 182 98.2 76.4 114.6
 184 31.1 23.9 35.9
 145 29.2 22.1 33.1

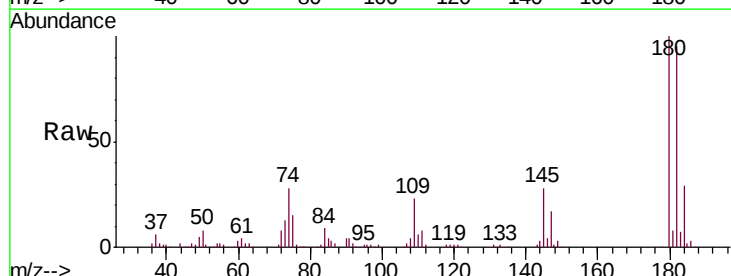


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

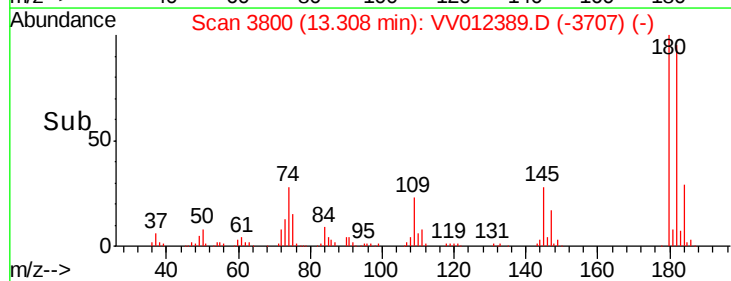
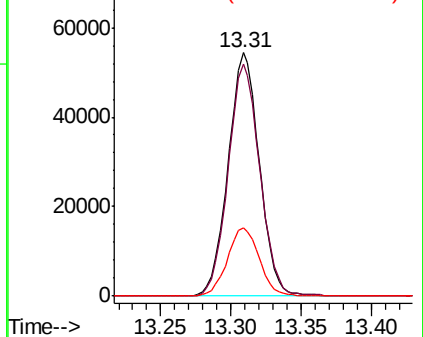


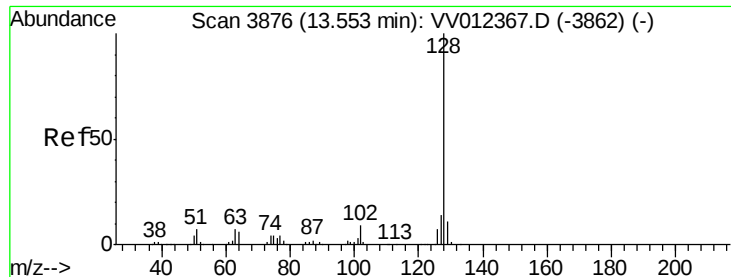
#68
 1,2,4-trichlorobenzene
 Concen: 4.875 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012389.D
 Acq: 24 Aug 2019 02:53

Tgt Ion:180 Resp: 84379
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.3 115.9
 145 28.7 22.6 34.0



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: 4.540 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV012389.D

Acq: 24 Aug 2019 02:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

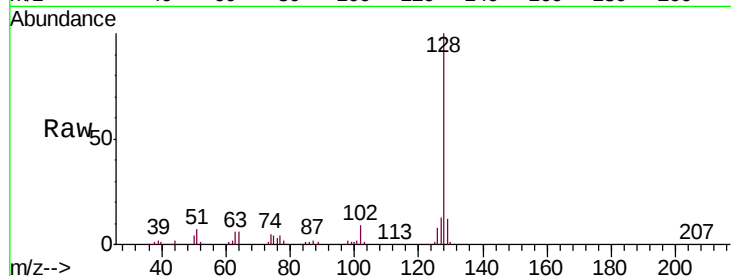
Tgt Ion:128 Resp: 108781

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

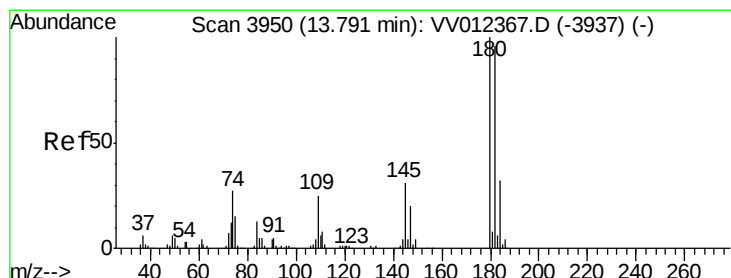
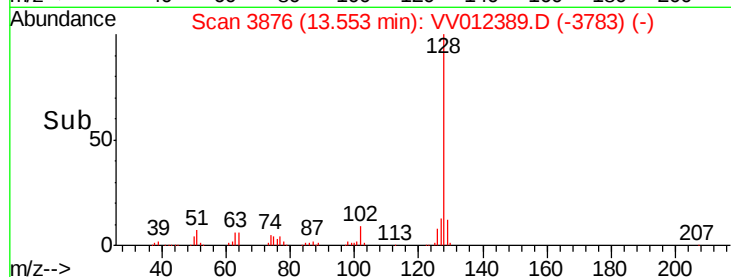
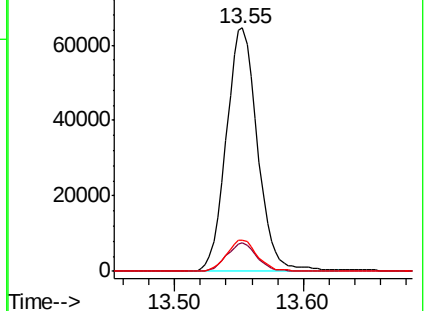
127 12.8 10.5 15.7



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: 4.997 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012389.D

Acq: 24 Aug 2019 02:53

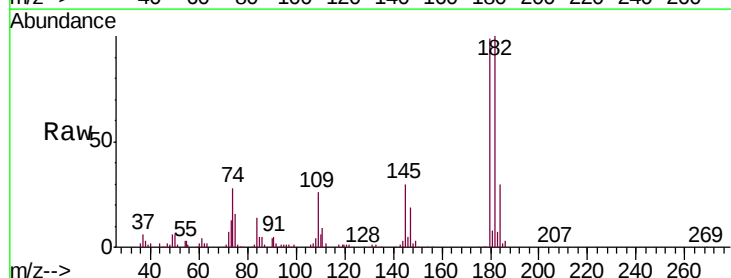
Tgt Ion:180 Resp: 81024

Ion Ratio Lower Upper

180 100

182 97.7 75.1 112.7

145 31.0 23.4 35.2



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

