

Data File : VV012067.D
Acq On : 30 Jul 2019 10:08
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

Quant Time: Jul 31 09:22:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 30 08:46:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	140008	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	135018	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	74026	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37595	4.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.00%
7) Chloroethane-d5	1.59	69	28520	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.60%
11) 1,1-Dichloroethene-d2	2.13	63	72774	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.40%
20) 2-Butanone-d5	3.96	46	96600	53.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.36%
24) Chloroform-d	4.40	84	90269	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
26) 1,2-Dichloroethane-d4	5.08	65	47817	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	5.10	84	183614	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
36) 1,2-Dichloropropane-d6	6.12	67	50783	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.80%
41) Toluene-d8	7.36	98	174061	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
43) trans-1,3-Dichloropropene-	7.66	79	21333	5.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.60%
46) 2-Hexanone-d5	8.14	63	76255	51.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.70%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	36623	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
66) 1,2-Dichlorobenzene-d4	11.67	152	68657	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	80063	5.018	ug/L 100
3) Chloromethane	1.25	50	43477	4.760	ug/L 99
5) Vinyl chloride	1.32	62	44872	4.802	ug/L 97
6) Bromomethane	1.54	94	27591	4.940	ug/L 96
8) Chloroethane	1.60	64	25437	5.009	ug/L 95
9) Trichlorofluoromethane	1.77	101	81754	5.115	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	36020	5.187	ug/L 98
12) 1,1-Dichloroethene	2.14	96	32332	5.027	ug/L 98
13) Acetone	2.23	43	49448	49.928	ug/L 97
14) Carbon disulfide	2.32	76	91431	5.091	ug/L 99
15) Methyl Acetate	2.47	43	9918	4.873	ug/L 99
16) Methylene chloride	2.53	84	31014	4.702	ug/L 94
17) Methyl tert-butyl Ether	2.81	73	104133	5.149	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	47824	5.160	ug/L 99
19) 1,1-Dichloroethane	3.23	63	88796	5.358	ug/L 99
21) 2-Butanone	4.06	43	105608	54.044	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	51642	5.233	ug/L 95

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ClientSampleId :
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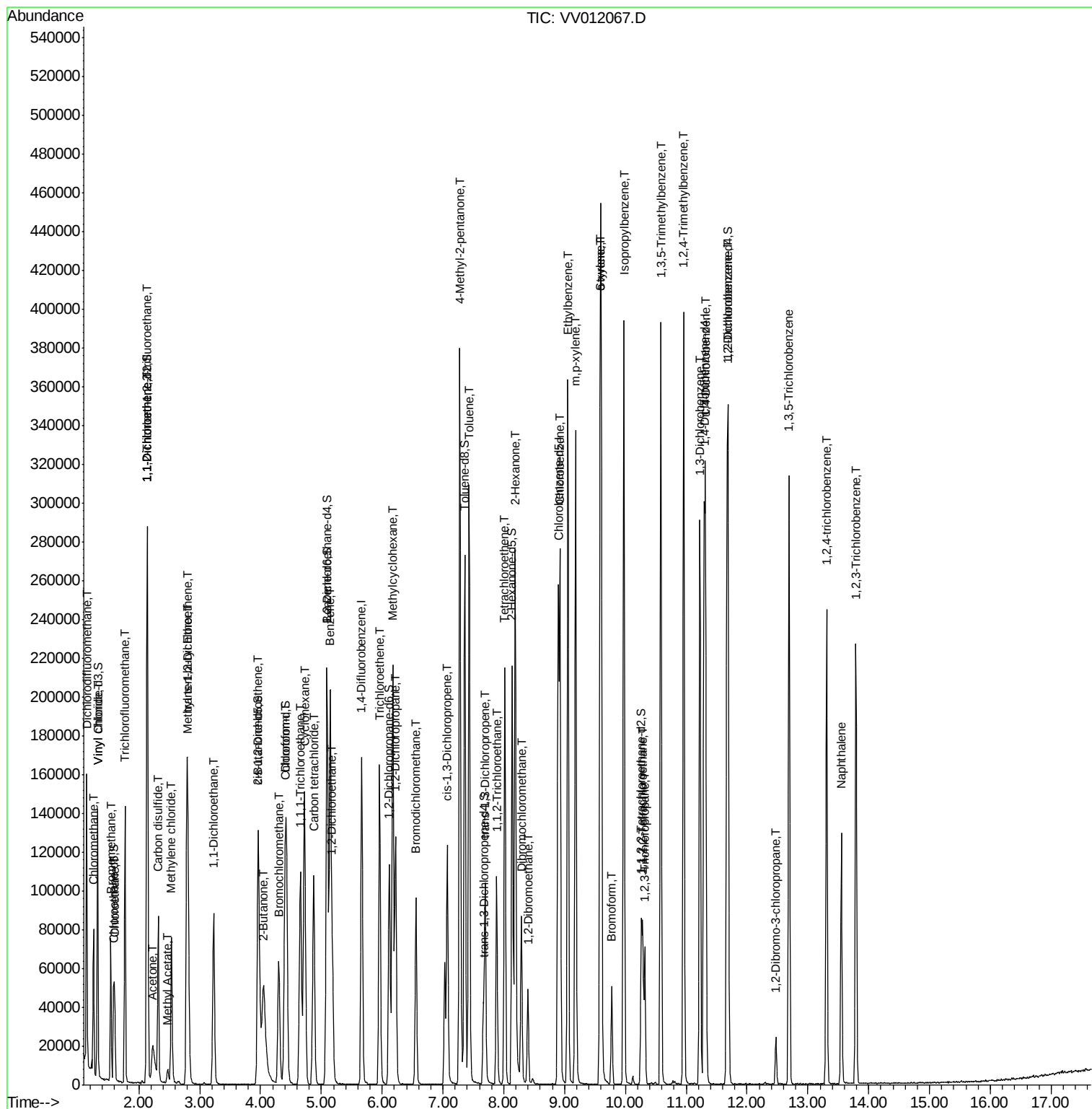
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	22578	5.216	ug/L	95
25) Chloroform	4.43	83	104148	5.011	ug/L	98
27) 1,2-Dichloroethane	5.18	62	58808	5.128	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	89112	5.339	ug/L	100
30) Cyclohexane	4.72	56	76045	5.327	ug/L	98
31) Carbon tetrachloride	4.87	117	81707	5.441	ug/L	98
33) Benzene	5.14	78	197356	5.381	ug/L	100
34) Trichloroethene	5.96	95	55323	5.289	ug/L	99
35) Methylcyclohexane	6.17	83	85552	5.220	ug/L	98
37) 1,2-Dichloropropane	6.22	63	44361	5.228	ug/L	98
38) Bromodichloromethane	6.56	83	62904	5.251	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	70006	5.262	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	253122	52.884	ug/L	98
42) Toluene	7.43	91	218586	5.360	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	56261	5.230	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	32815	5.071	ug/L	97
47) Tetrachloroethene	8.02	164	48726	5.331	ug/L	98
48) 2-Hexanone	8.19	43	175739	51.952	ug/L	99
49) Dibromochloromethane	8.29	129	42071	5.303	ug/L	98
50) 1,2-Dibromoethane	8.40	107	30758	5.085	ug/L	99
51) Chlorobenzene	8.92	112	137923	5.059	ug/L	98
52) Ethylbenzene	9.05	91	242295	5.207	ug/L	98
53) m,p-xylene	9.18	106	94717	5.347	ug/L	98
54) o-xylene	9.59	106	88196	5.261	ug/L	96
55) Styrene	9.60	104	153371	5.430	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.29	83	35936	5.174	ug/L	97
59) Bromoform	9.77	173	22164	4.953	ug/L	99
60) Isopropylbenzene	9.97	105	245768	5.197	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	26778	4.963	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	210087	5.380	ug/L	98
63) 1,2,4-Trimethylbenzene	10.96	105	210583	5.427	ug/L	99
64) 1,3-Dichlorobenzene	11.23	146	120074	5.095	ug/L	99
65) 1,4-Dichlorobenzene	11.32	146	119673	4.983	ug/L	96
67) 1,2-Dichlorobenzene	11.69	146	108797	5.080	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.47	75	5751	5.170	ug/L	97
69) 1,3,5-Trichlorobenzene	12.69	180	97259	4.992	ug/L	99
70) 1,2,4-trichlorobenzene	13.31	180	76576	4.966	ug/L	99
71) Naphthalene	13.55	128	100621	4.703	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	68513	5.013	ug/L	98

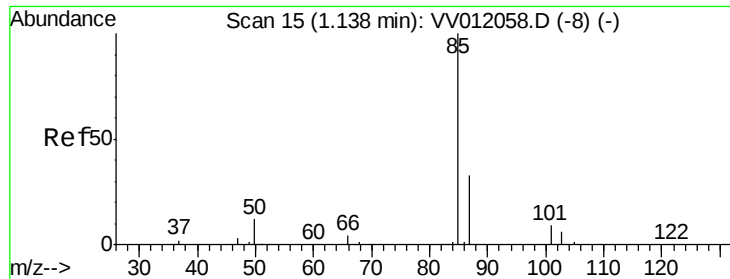
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Client Sample Id :
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#2

Dichlorodifluoromethane

Concen: 5.018 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012067.D

Acq: 30 Jul 2019 10:08

Instrument :

MSVOA_V

ClientSampleId :

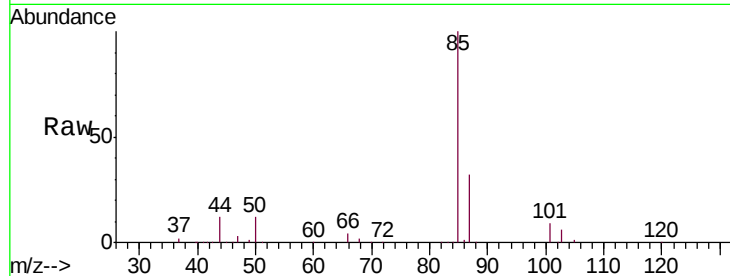
VSTD00554

Tgt Ion: 85 Resp: 80063

Ion Ratio Lower Upper

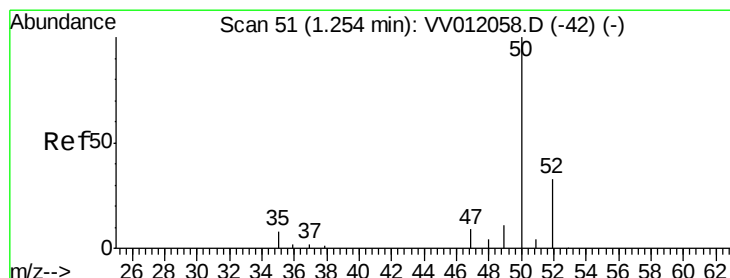
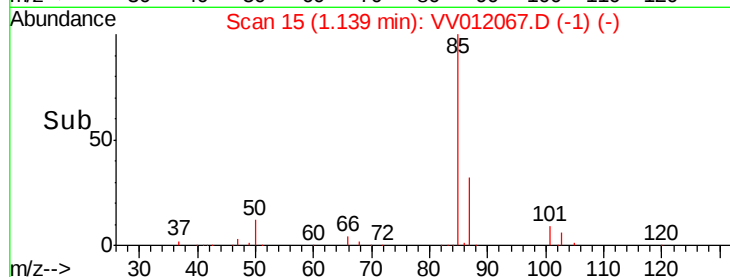
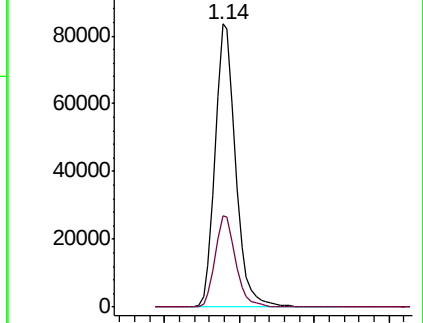
85 100

87 32.4 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: 4.760 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012067.D

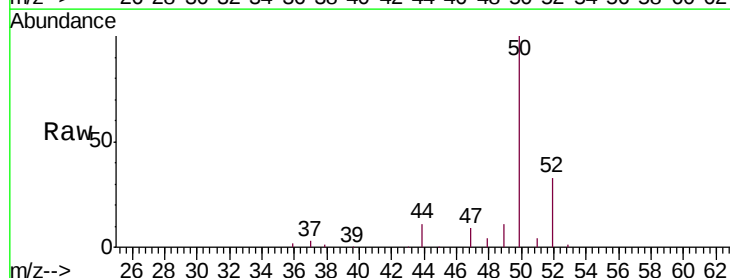
Acq: 30 Jul 2019 10:08

Tgt Ion: 50 Resp: 43477

Ion Ratio Lower Upper

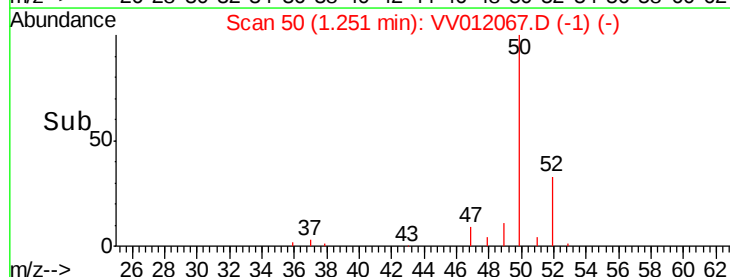
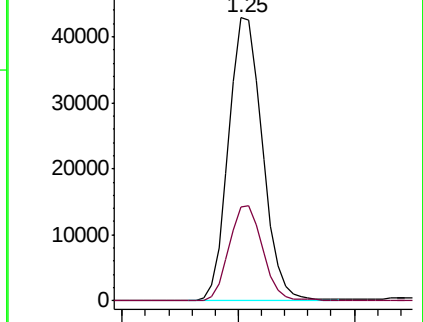
50 100

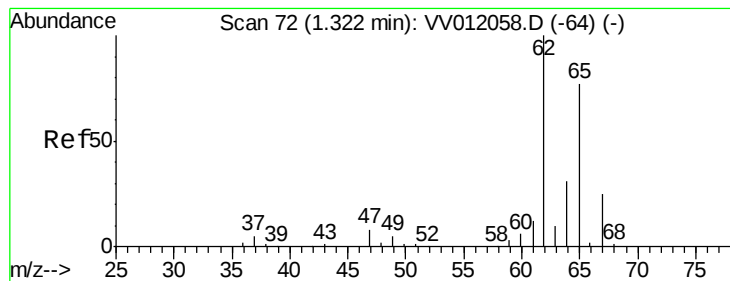
52 33.0 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.802 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012067.D

Acq: 30 Jul 2019 10:08

Instrument :

MSVOA_V

ClientSampleId :

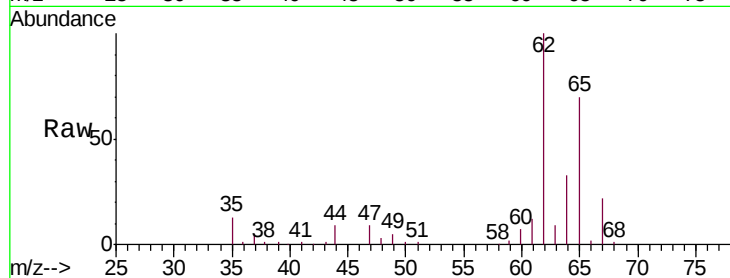
VSTD00554

Tgt Ion: 62 Resp: 44872

Ion Ratio Lower Upper

62 100

64 33.2 22.0 41.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

50000

40000

30000

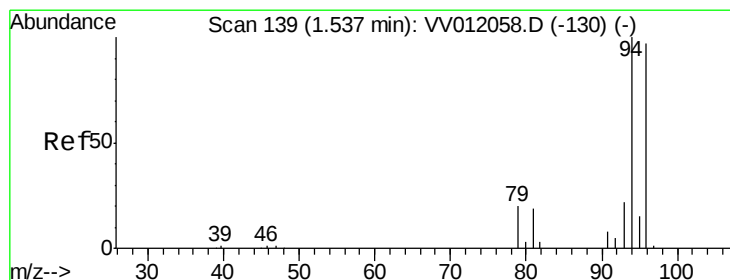
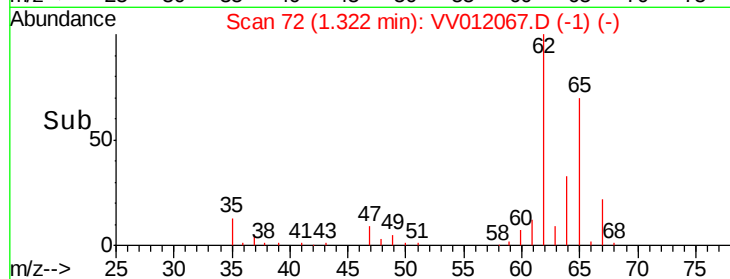
20000

10000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 4.940 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012067.D

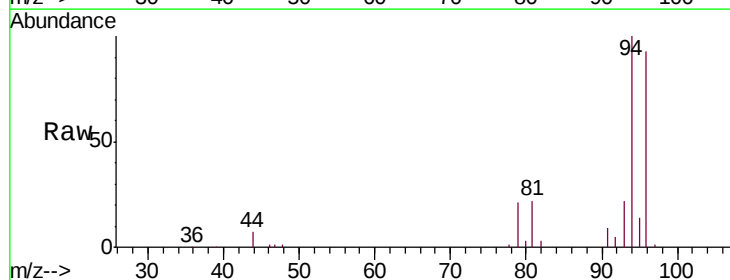
Acq: 30 Jul 2019 10:08

Tgt Ion: 94 Resp: 27591

Ion Ratio Lower Upper

94 100

96 93.1 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

25000

20000

15000

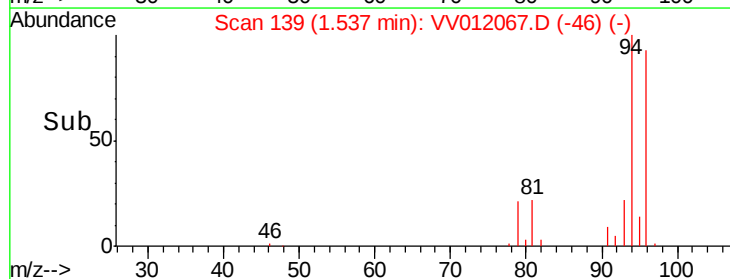
10000

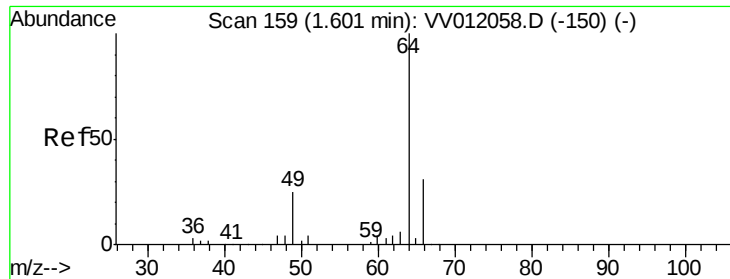
5000

0

1.50 1.55

Time-->

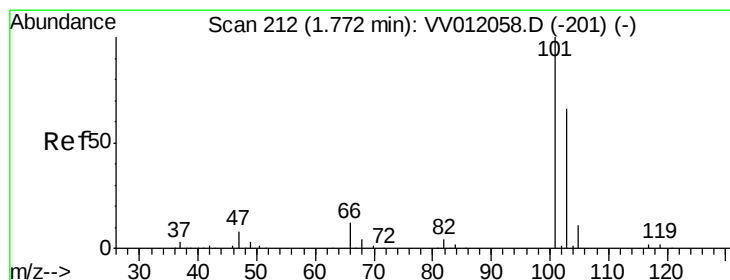
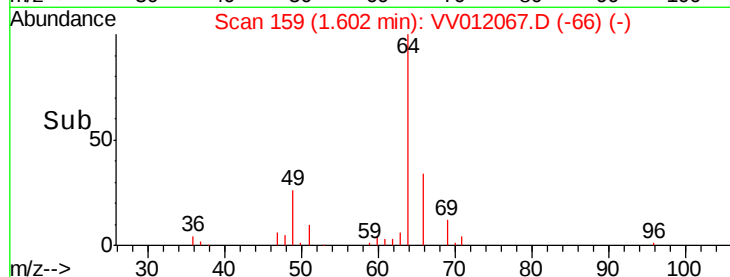
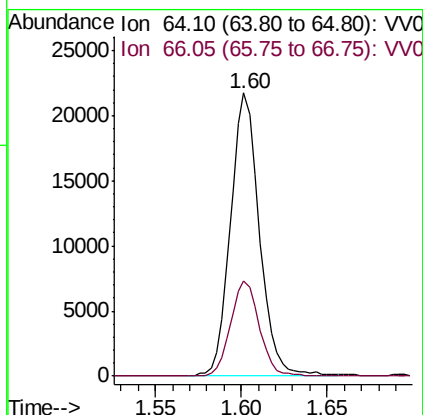
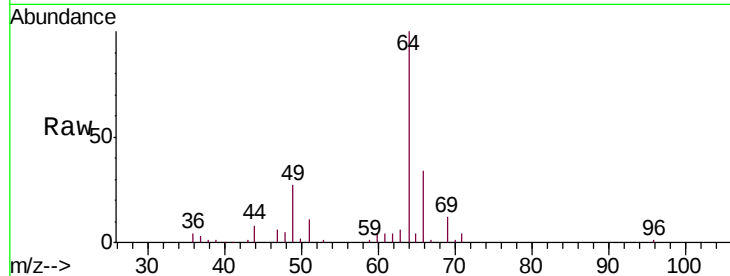




#8
Chloroethane
Concen: 5.009 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV012067.D
Acq: 30 Jul 2019 10:08

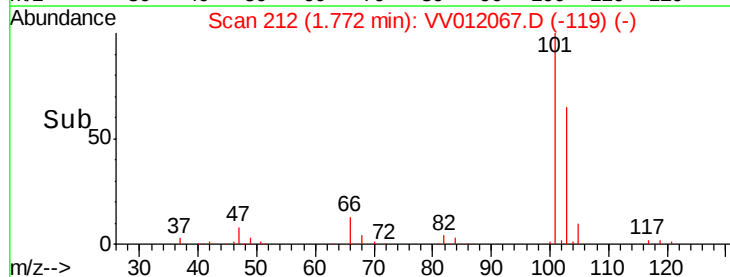
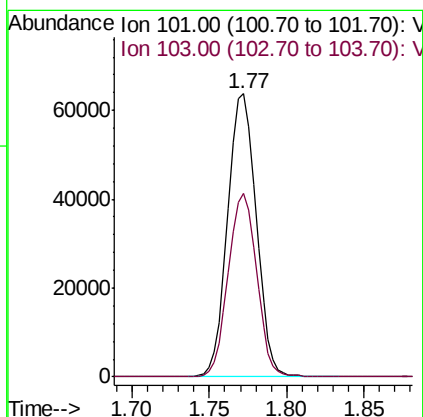
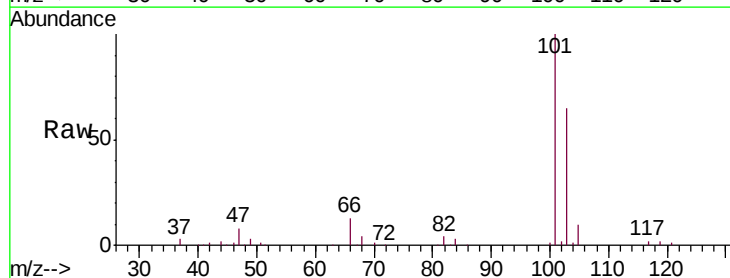
Instrument :
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ClientSampleId :
VSTD00554

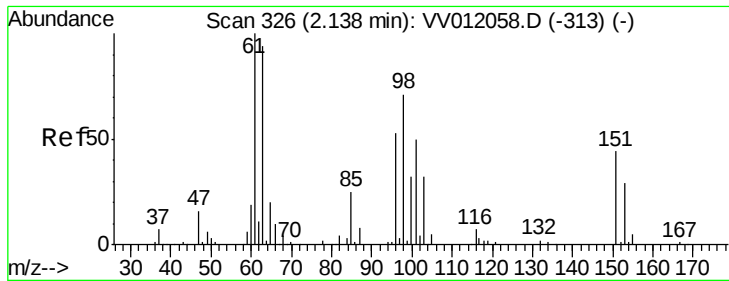
Tgt Ion: 64 Resp: 25437
Ion Ratio Lower Upper
64 100
66 33.8 21.7 40.3



#9
Trichlorofluoromethane
Concen: 5.115 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV012067.D
Acq: 30 Jul 2019 10:08

Tgt Ion: 101 Resp: 81754
Ion Ratio Lower Upper
101 100
103 64.3 52.6 79.0





#10

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

Concen: 5.187 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012067.D

Acq: 30 Jul 2019 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

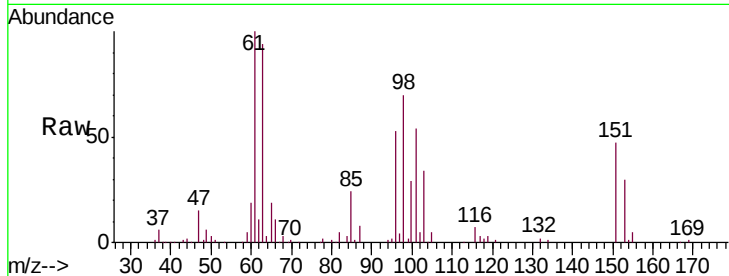
Tgt Ion:101 Resp: 36020

Ion Ratio Lower Upper

101 100

85 44.5 37.8 56.8

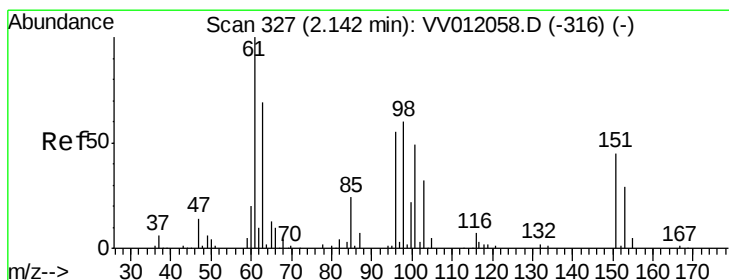
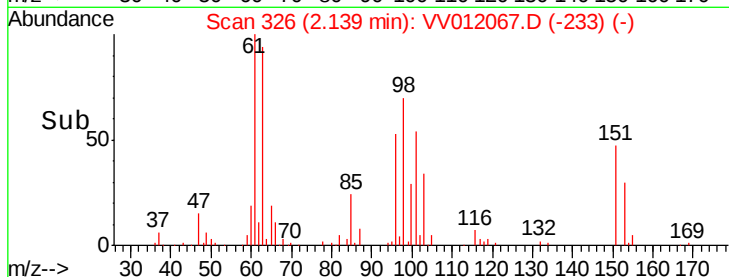
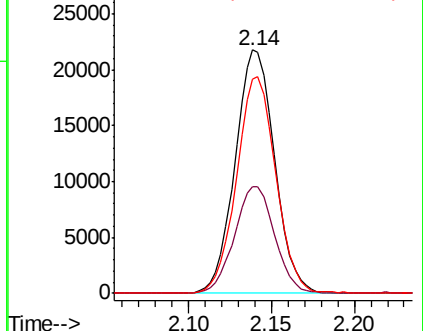
151 88.6 71.4 107.2



Abundance Ion 101.00 (100.70 to 101.70): VV012058.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV012058.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV012058.D (-313) (-)



#12

1,1-Dichloroethene

Concen: 5.027 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012067.D

Acq: 30 Jul 2019 10:08

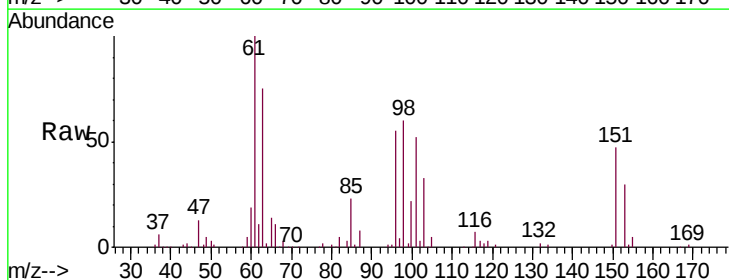
Tgt Ion: 96 Resp: 32332

Ion Ratio Lower Upper

96 100

61 181.2 127.8 237.4

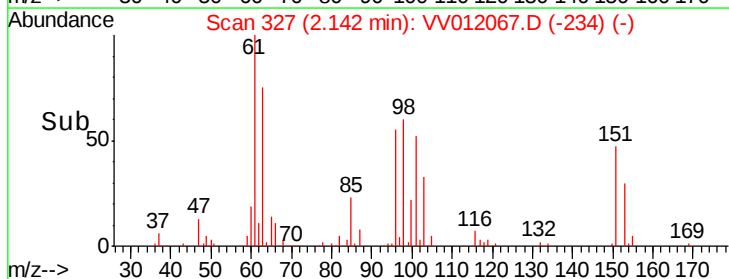
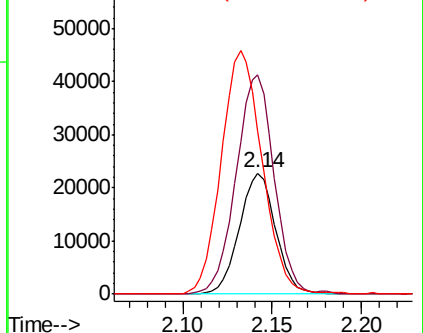
63 135.3 92.7 172.3

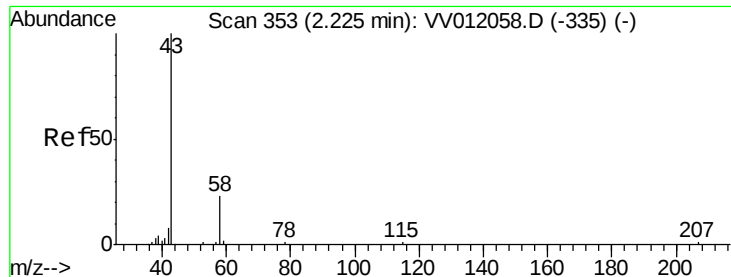


Abundance Ion 96.00 (95.70 to 96.70): VV012058.D (-316) (-)

Ion 61.05 (60.75 to 61.75): VV012058.D (-316) (-)

Ion 63.00 (62.70 to 63.70): VV012058.D (-316) (-)





#13

Acetone

Concen: 49.928 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.00 min

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Acq: 30 Jul 2019 10:08

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ClientSampleId :

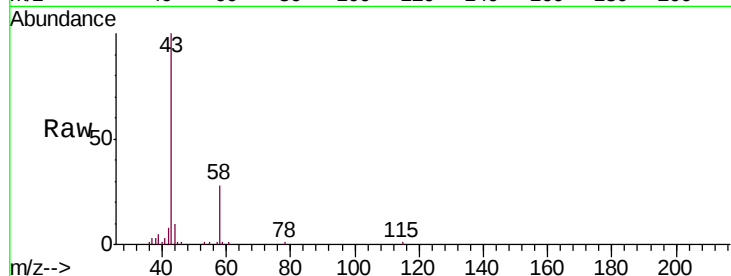
VSTD00554

Tgt Ion: 43 Resp: 49448

Ion Ratio Lower Upper

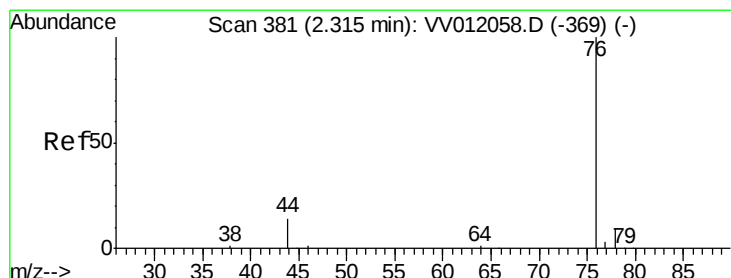
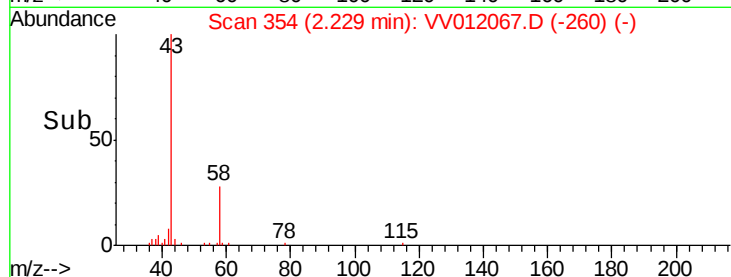
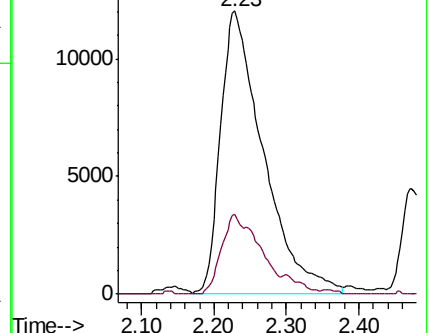
43 100

58 24.4 0.0 51.6



Abundance Ion 43.05 (42.75 to 43.75): VV012058.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV012058.D (-335) (-)



#14

Carbon disulfide

Concen: 5.091 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012067.D

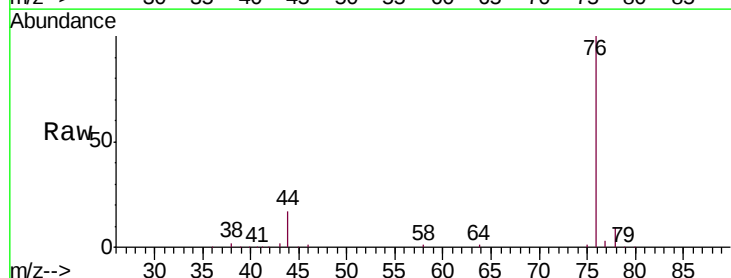
Acq: 30 Jul 2019 10:08

Tgt Ion: 76 Resp: 91431

Ion Ratio Lower Upper

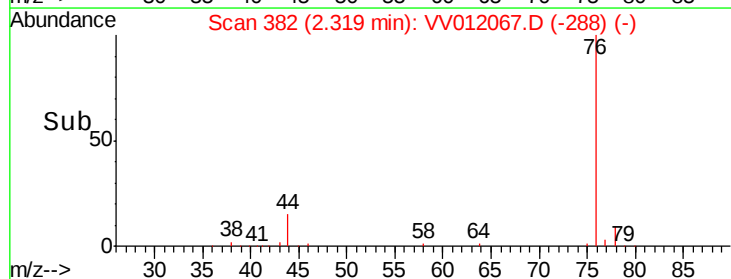
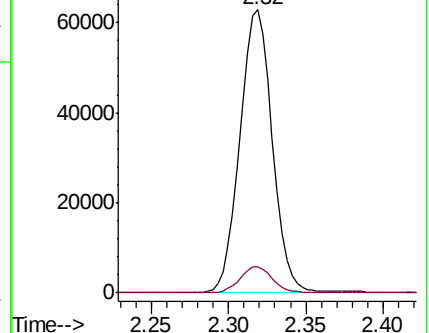
76 100

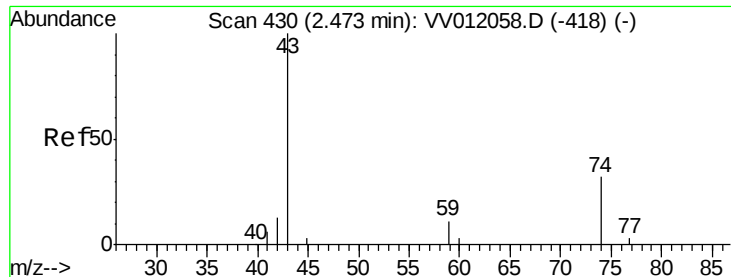
78 9.3 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV012058.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV012058.D (-369) (-)

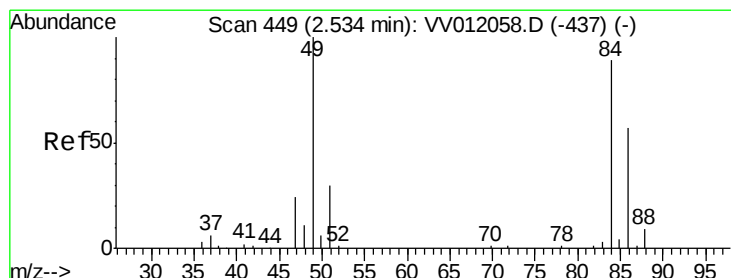
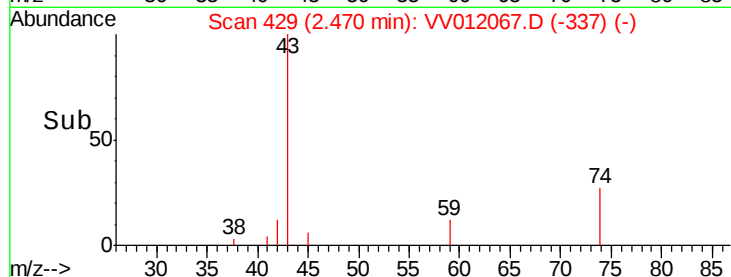
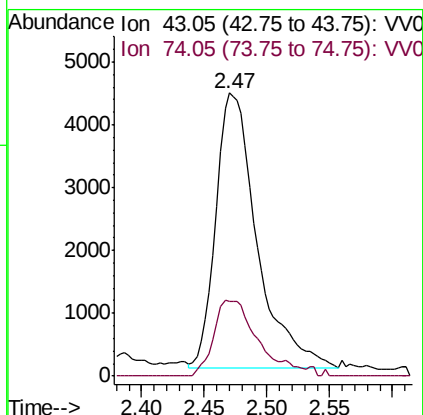
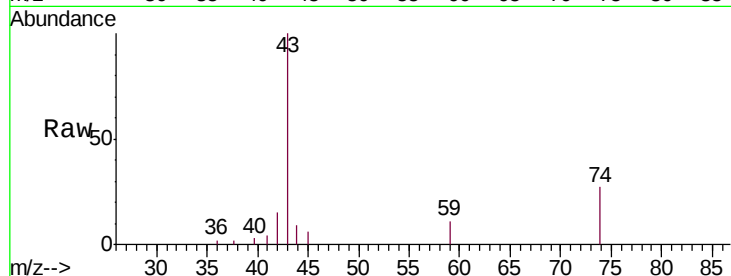




#15
Methyl Acetate
Concen: 4.873 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV012067.D
Acq: 30 Jul 2019 10:08

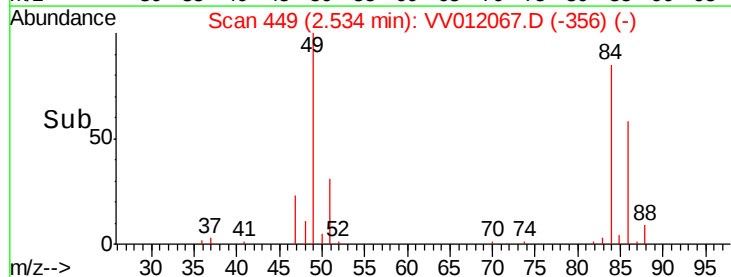
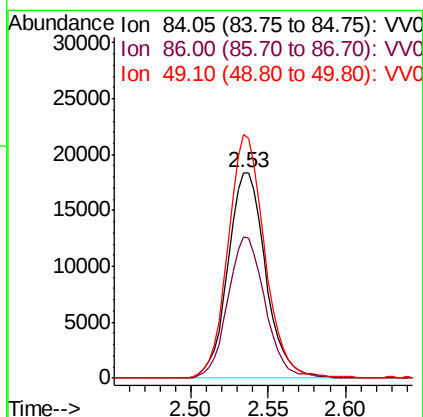
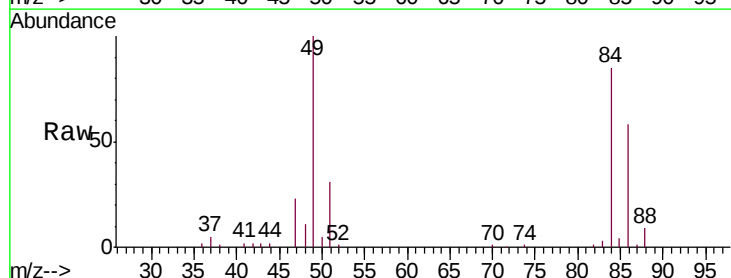
Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

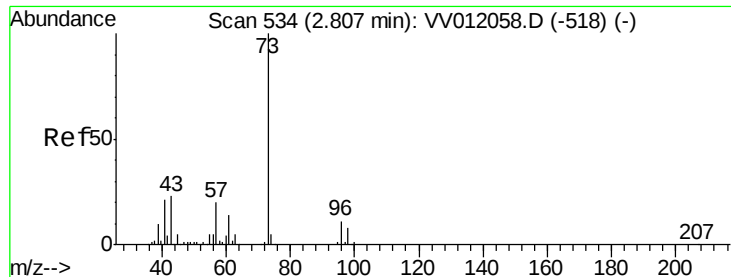
Tgt Ion: 43 Resp: 9918
Ion Ratio Lower Upper
43 100
74 29.7 24.4 36.6



#16
Methylene chloride
Concen: 4.702 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012067.D
Acq: 30 Jul 2019 10:08

Tgt Ion: 84 Resp: 31014
Ion Ratio Lower Upper
84 100
86 68.7 44.9 83.3
49 118.3 78.6 146.0





#17

Methyl tert-butyl Ether

Concen: 5.149 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV012067.D

Acq: 30 Jul 2019 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

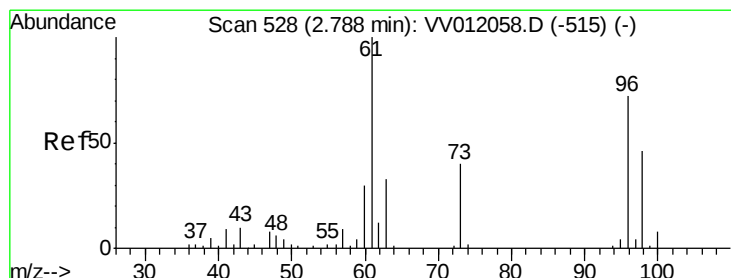
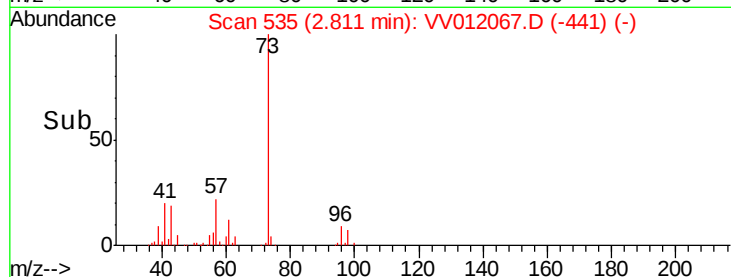
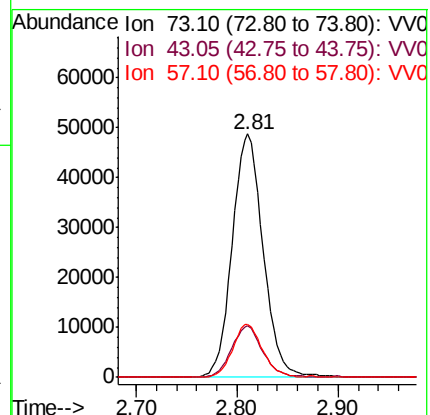
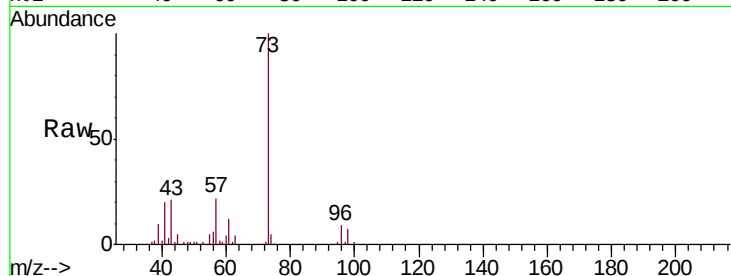
Tgt Ion: 73 Resp: 104133

Ion Ratio Lower Upper

73 100

43 21.3 17.6 26.4

57 21.1 17.0 25.6



#18

trans-1,2-Dichloroethene

Concen: 5.160 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV012067.D

Acq: 30 Jul 2019 10:08

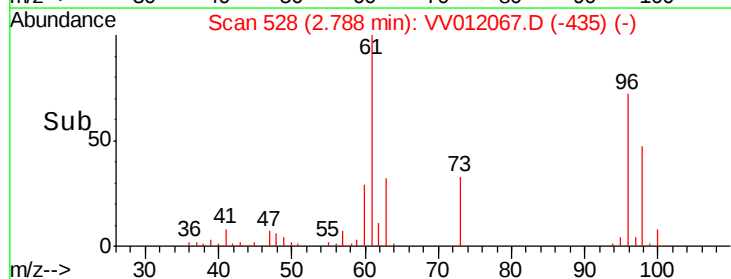
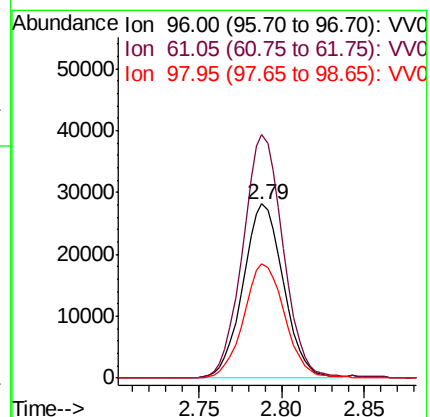
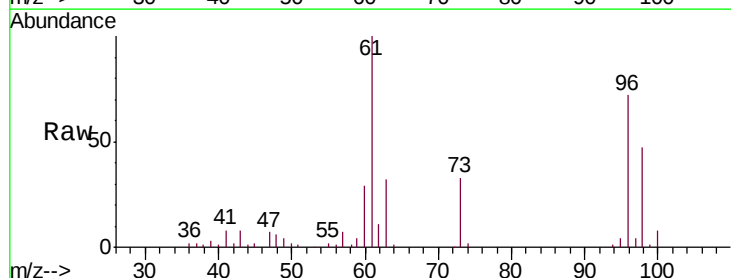
Tgt Ion: 96 Resp: 47824

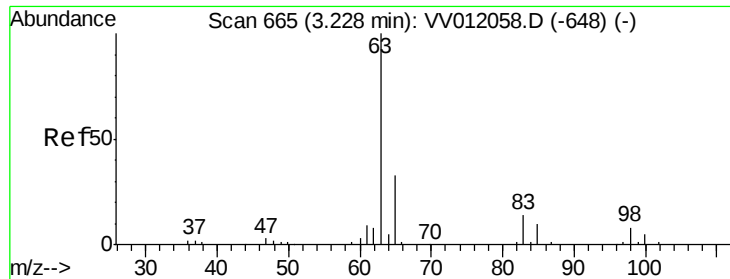
Ion Ratio Lower Upper

96 100

61 139.8 97.2 180.6

98 65.6 45.0 83.6





#19

1,1-Dichloroethane

Concen: 5.358 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV012067.D

Acq: 30 Jul 2019 10:08

Instrument :

MSVOA_V

ClientSampled :

VSTD00554

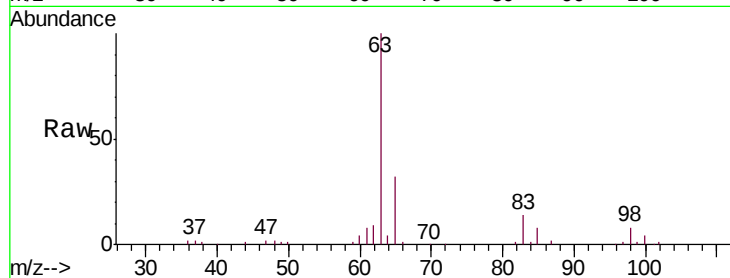
Tgt Ion: 63 Resp: 88796

Ion Ratio Lower Upper

63 100

65 31.8 23.0 42.6

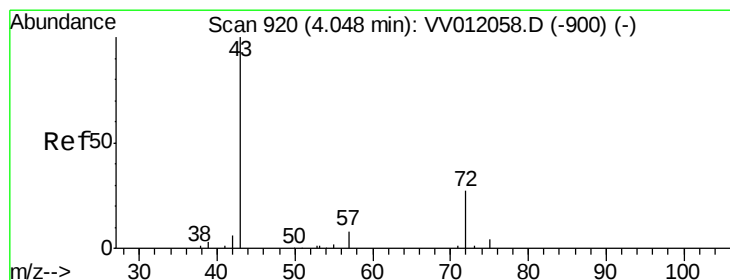
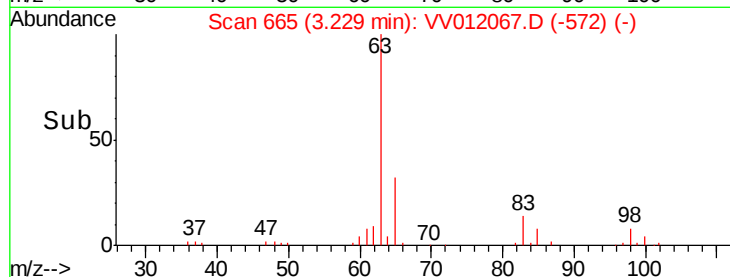
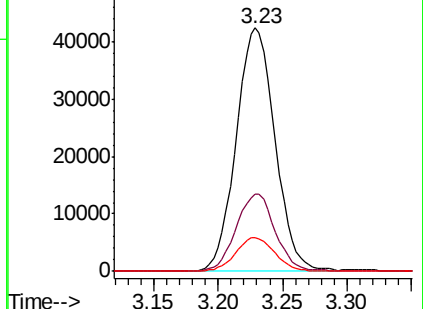
83 13.6 9.7 17.9



Abundance Ion 63.10 (62.80 to 63.80): VV012058.D (-648) (-)

Ion 65.10 (64.80 to 65.80): VV012058.D (-648) (-)

Ion 83.05 (82.75 to 83.75): VV012058.D (-648) (-)



#21

2-Butanone

Concen: 54.044 ug/L

RT: 4.06 min Scan# 923

Delta R.T. 0.01 min

Lab File: VV012067.D

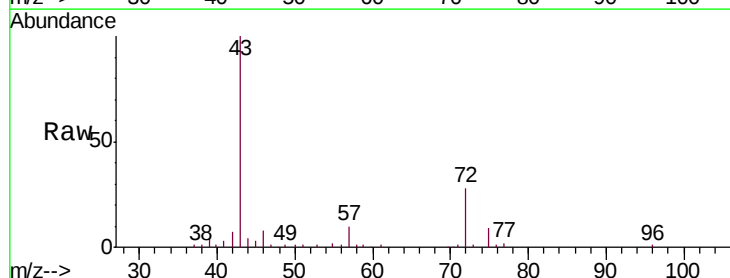
Acq: 30 Jul 2019 10:08

Tgt Ion: 43 Resp: 105608

Ion Ratio Lower Upper

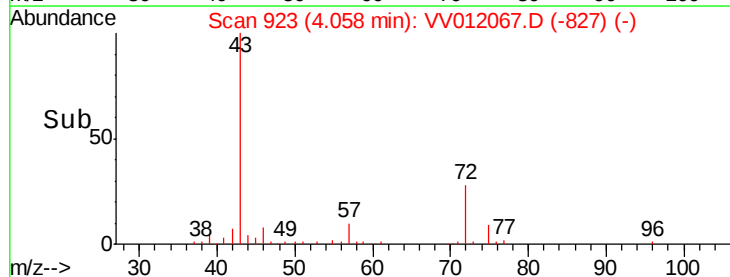
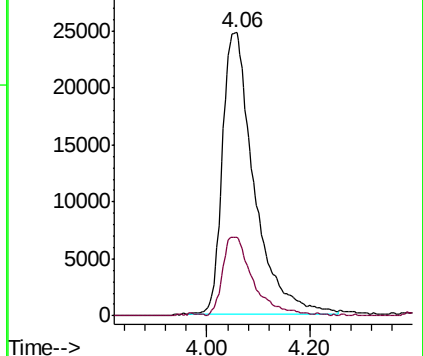
43 100

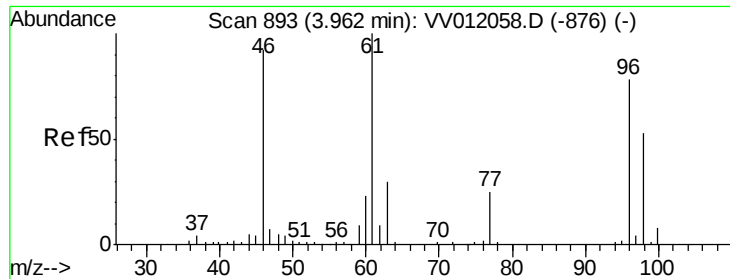
72 26.4 13.4 40.2



Abundance Ion 43.05 (42.75 to 43.75): VV012058.D (-900) (-)

Ion 72.10 (71.80 to 72.80): VV012058.D (-900) (-)



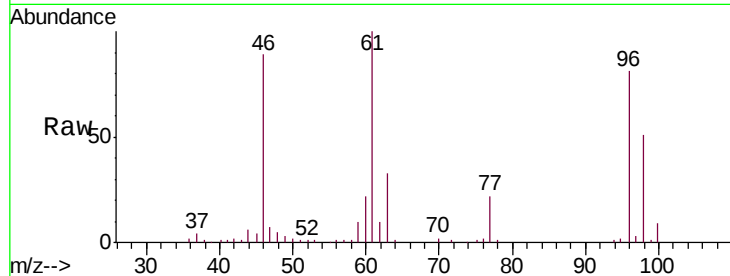


#22

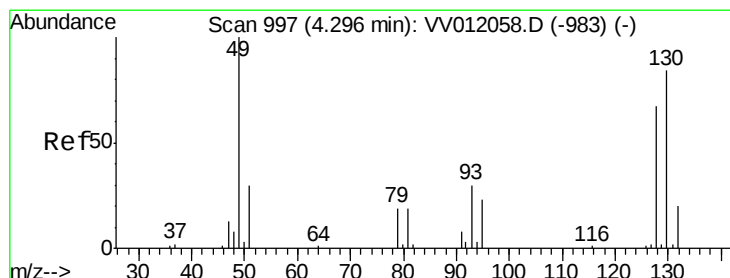
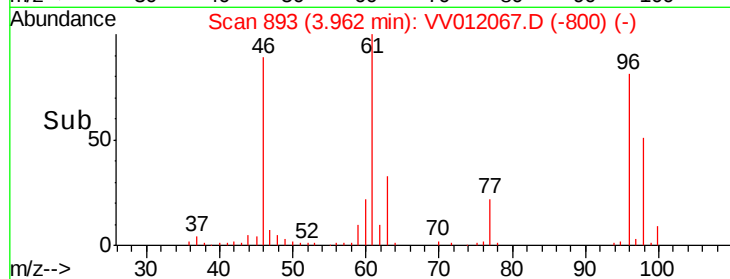
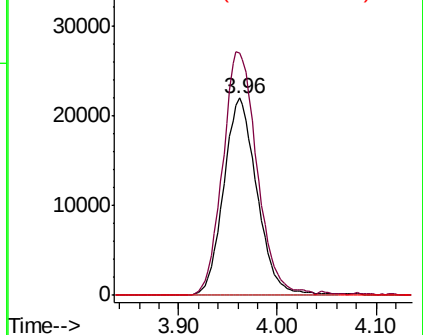
cis-1,2-Dichloroethene
 Concen: 5.233 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012067.D
 Acq: 30 Jul 2019 10:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

Tgt Ion: 96 Resp: 51642
 Ion Ratio Lower Upper
 96 100
 61 123.2 90.0 167.2
 68 0.0 0.0 0.0



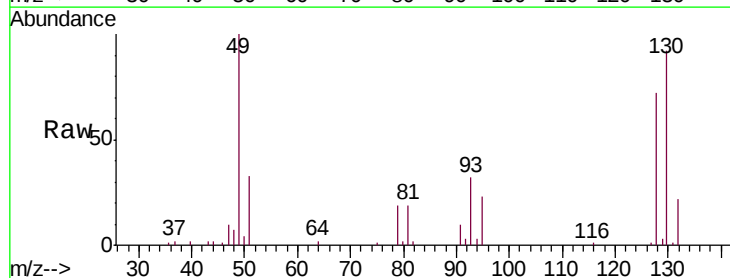
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



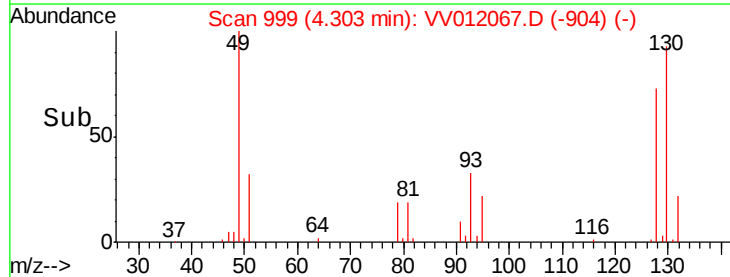
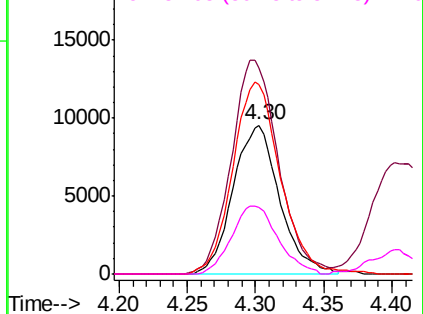
#23

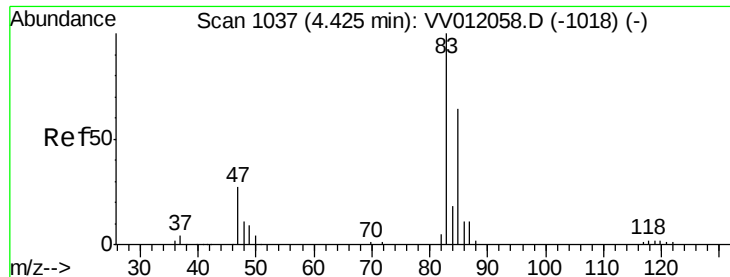
Bromochloromethane
 Concen: 5.216 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VV012067.D
 Acq: 30 Jul 2019 10:08

Tgt Ion: 128 Resp: 22578
 Ion Ratio Lower Upper
 128 100
 49 138.1 105.1 195.1
 130 127.3 88.9 165.1
 51 44.9 36.2 54.2



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

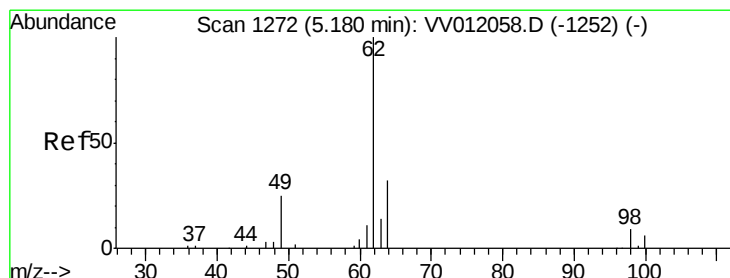
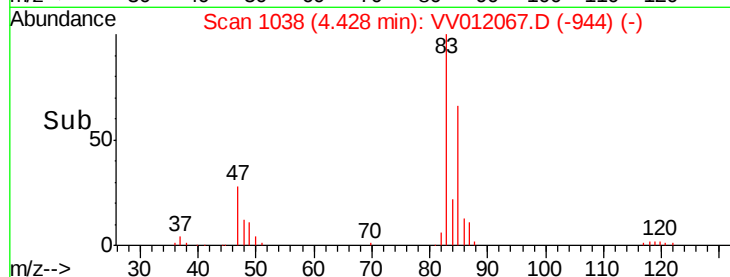
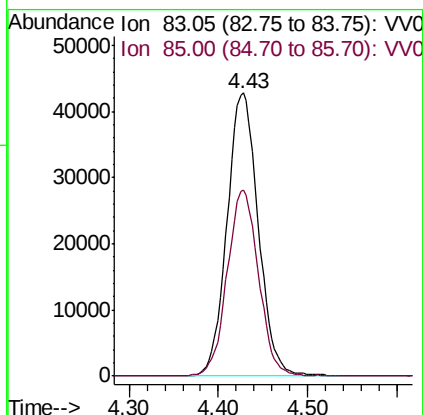
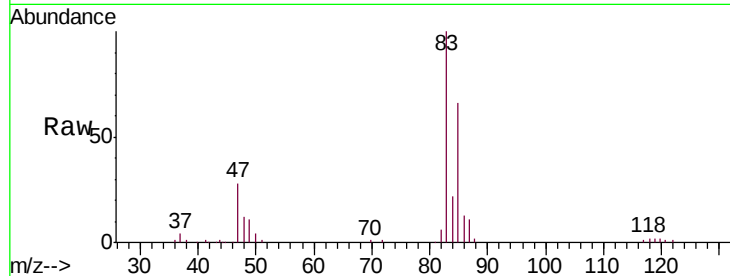




#25
Chloroform
Concen: 5.011 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012067.D
Acq: 30 Jul 2019 10:08

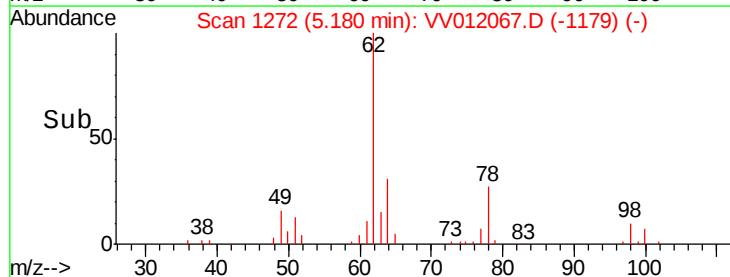
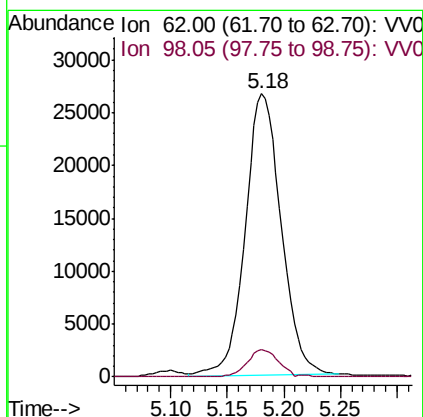
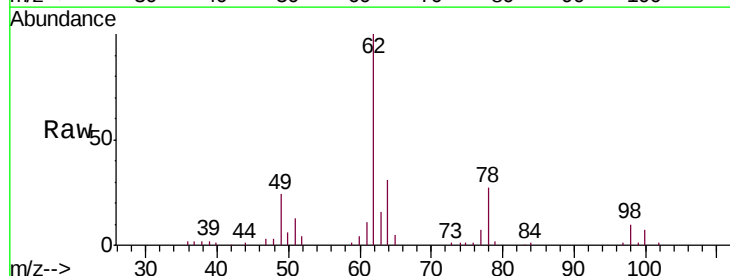
Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

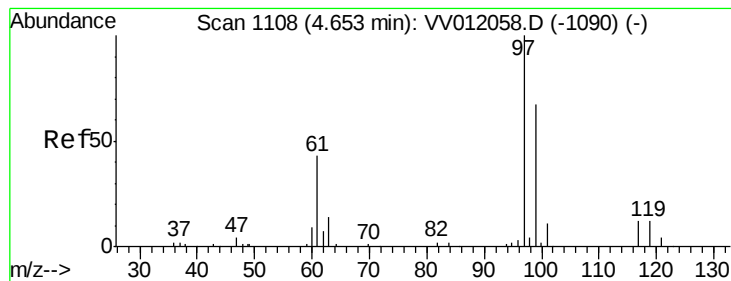
Tgt Ion: 83 Resp: 104148
Ion Ratio Lower Upper
83 100
85 65.8 45.2 84.0



#27
1,2-Dichloroethane
Concen: 5.128 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012067.D
Acq: 30 Jul 2019 10:08

Tgt Ion: 62 Resp: 58808
Ion Ratio Lower Upper
62 100
98 9.6 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 5.339 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV012067.D

Acq: 30 Jul 2019 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

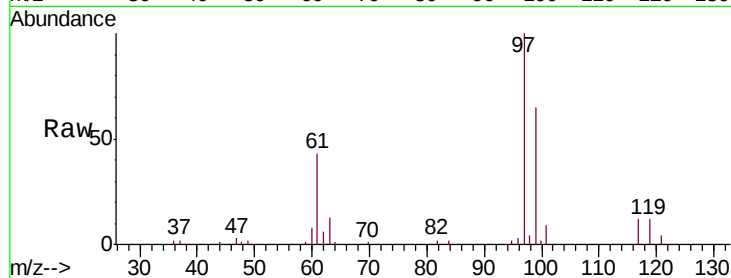
Tgt Ion: 97 Resp: 89112

Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.8

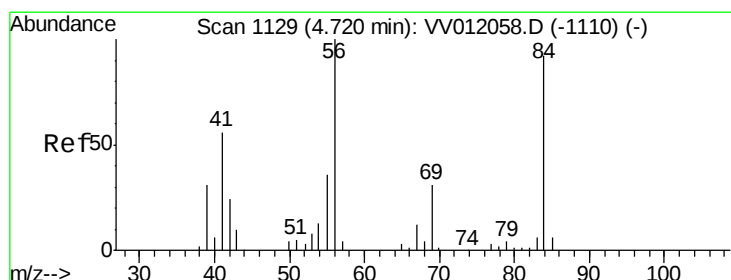
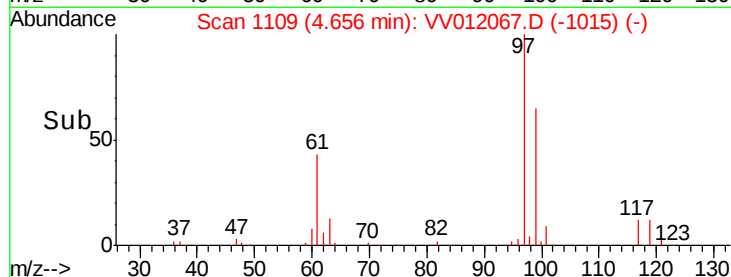
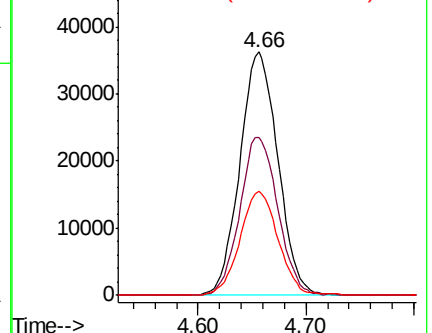
61 42.8 34.5 51.7



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: 5.327 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV012067.D

Acq: 30 Jul 2019 10:08

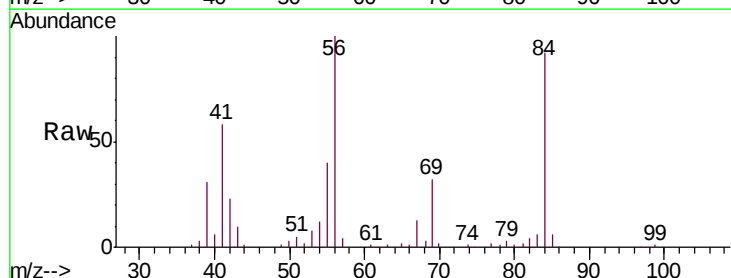
Tgt Ion: 56 Resp: 76045

Ion Ratio Lower Upper

56 100

69 31.5 24.8 37.2

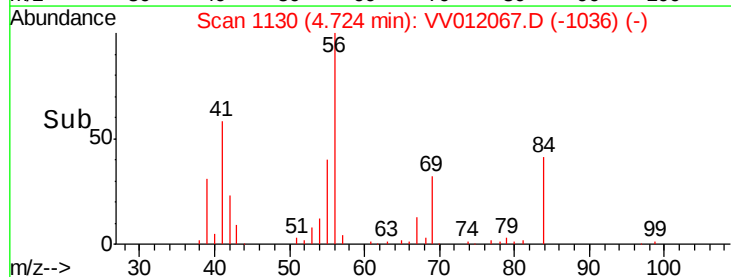
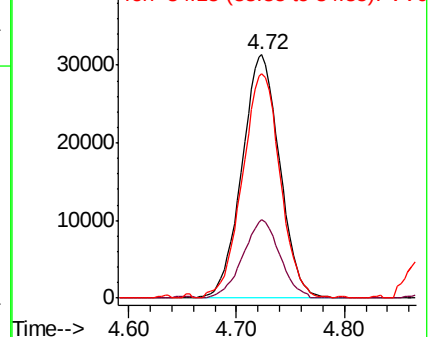
84 92.5 75.4 113.2

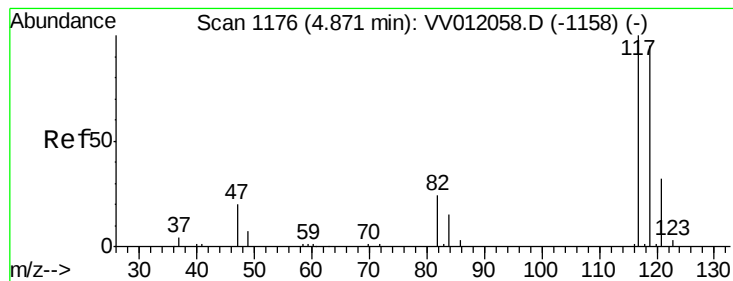


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.441 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012067.D

Acq: 30 Jul 2019 10:08

Instrument :

MSVOA_V

ClientSampleId :

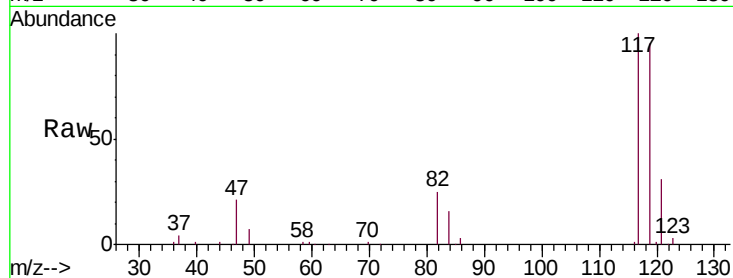
VSTD00554

Tgt Ion:117 Resp: 81707

Ion Ratio Lower Upper

117 100

119 95.0 77.7 116.5

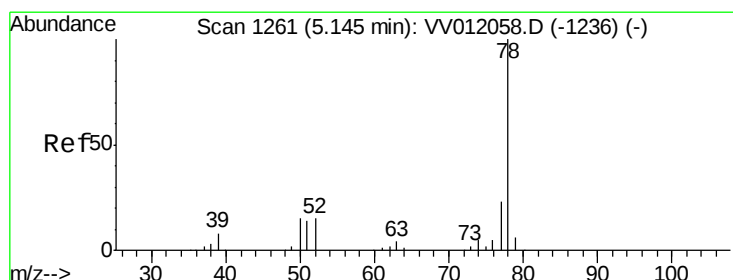
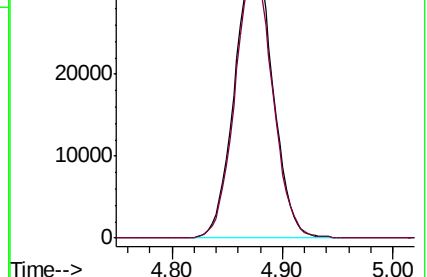
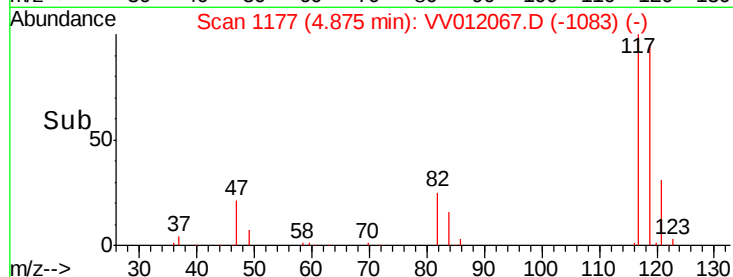


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

Time-->



#33

Benzene

Concen: 5.381 ug/L

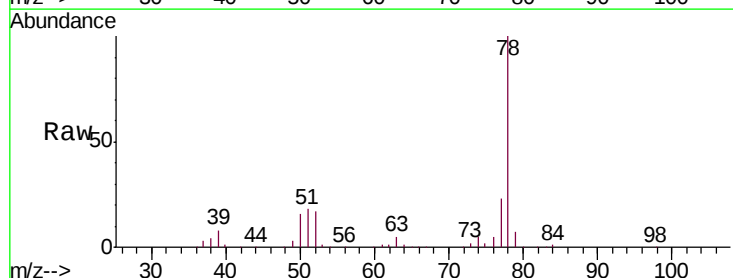
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV012067.D

Acq: 30 Jul 2019 10:08

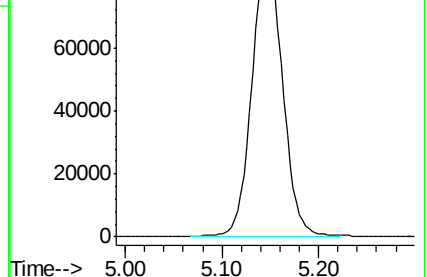
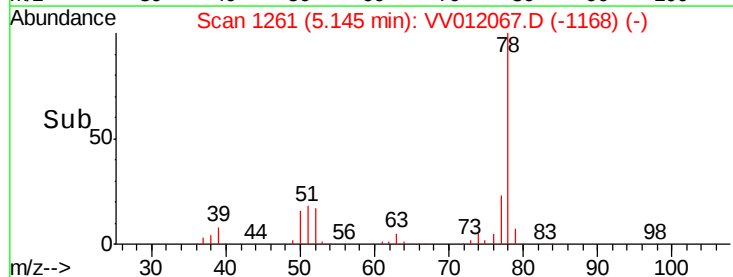
Tgt Ion: 78 Resp: 197356

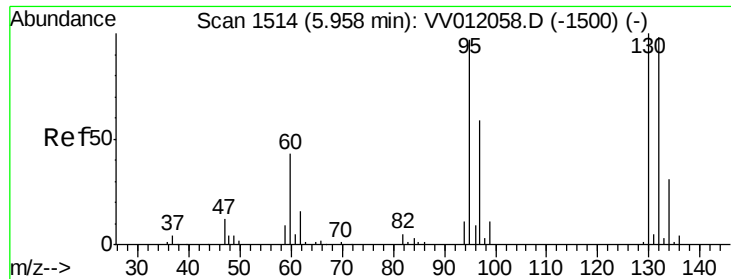


Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14

Time-->

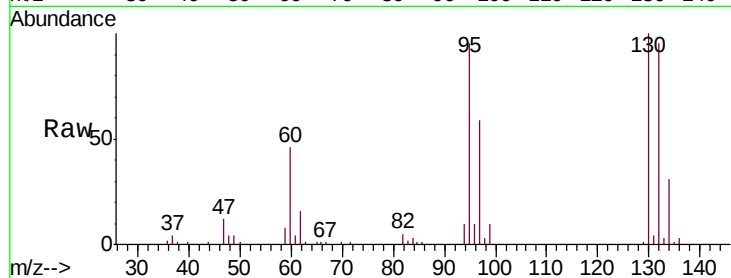




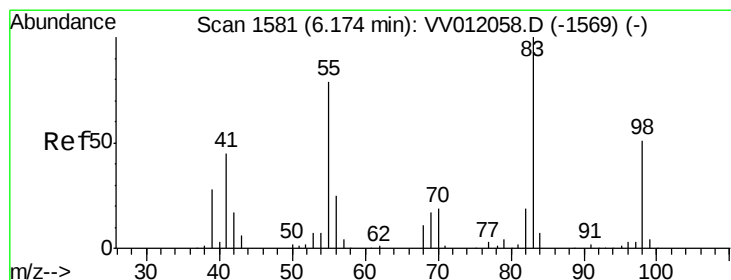
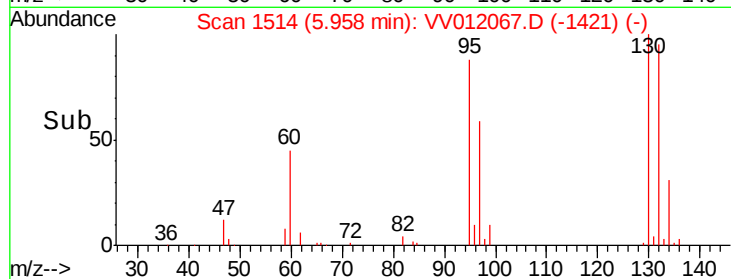
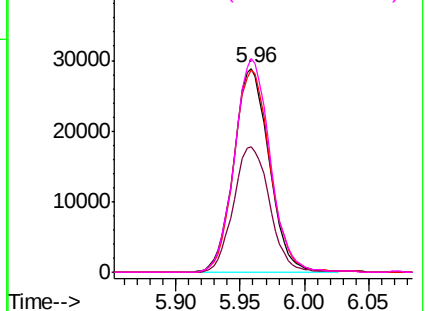
#34
 Trichloroethene
 Concen: 5.289 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012067.D
 Acq: 30 Jul 2019 10:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

Tgt Ion: 95 Resp: 55323
 Ion Ratio Lower Upper
 95 100
 97 61.3 42.8 79.6
 132 99.1 70.8 131.6
 130 104.8 72.3 134.3

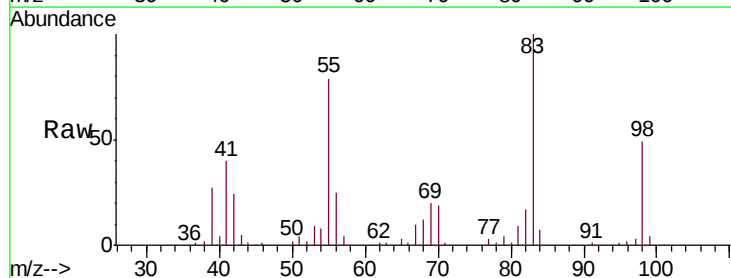


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

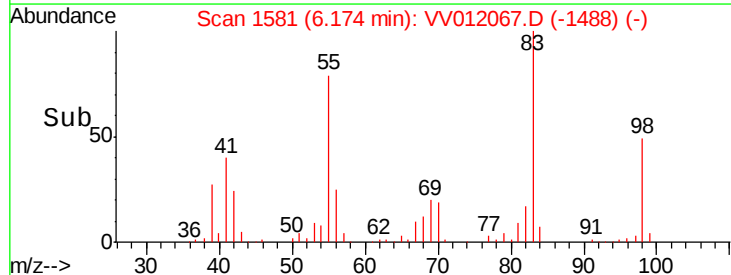
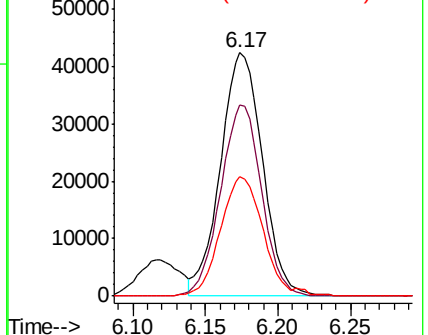


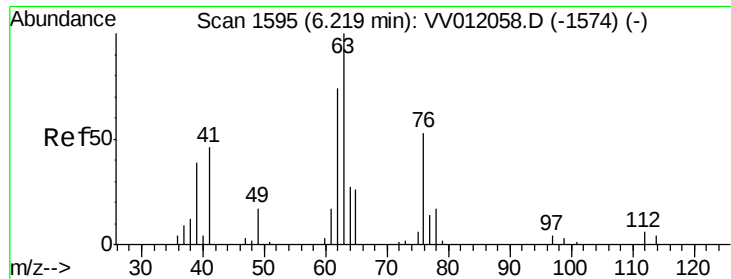
#35
 Methylcyclohexane
 Concen: 5.220 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV012067.D
 Acq: 30 Jul 2019 10:08

Tgt Ion: 83 Resp: 85552
 Ion Ratio Lower Upper
 83 100
 55 76.7 60.1 90.1
 98 48.8 40.2 60.4



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

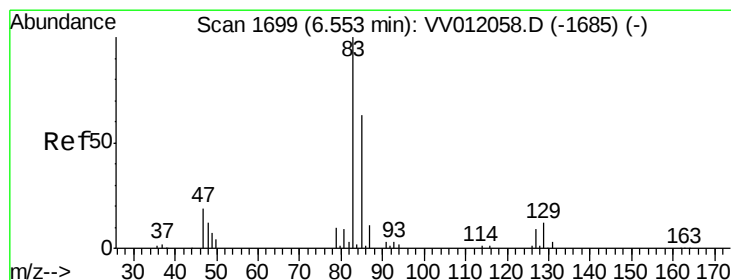
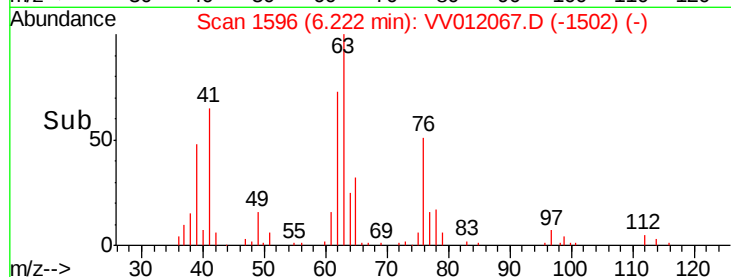
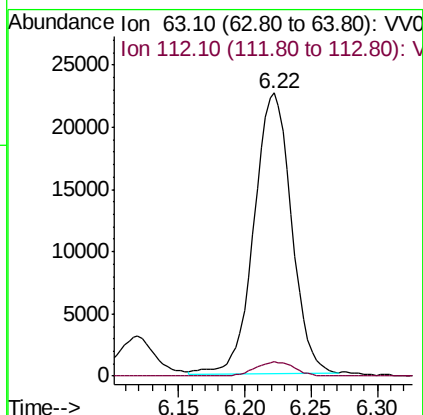
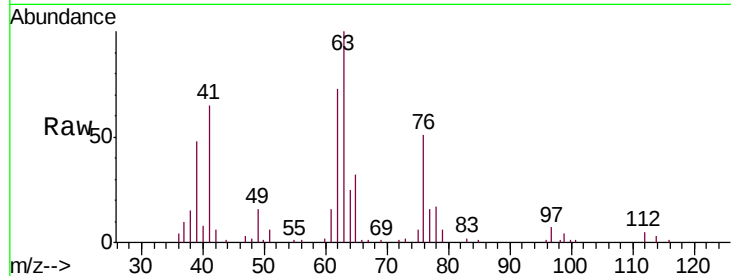




#37
 1,2-Dichloropropane
 Concen: 5.228 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV012067.D
 Acq: 30 Jul 2019 10:08

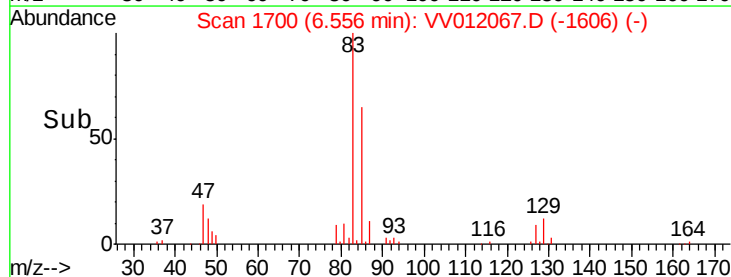
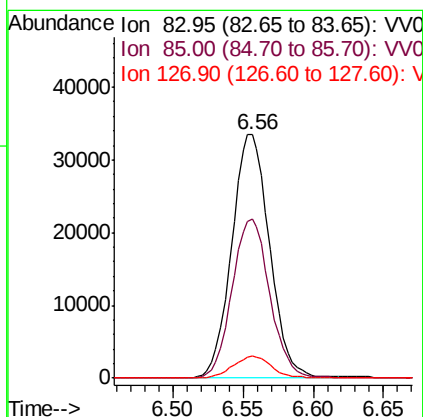
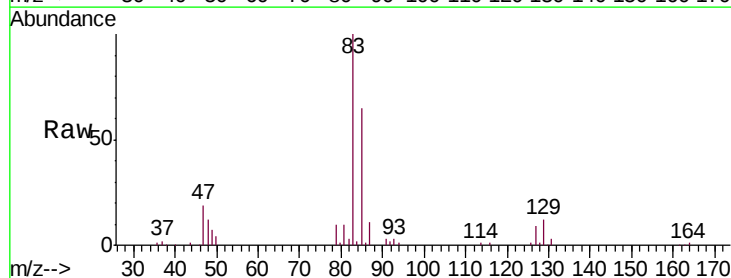
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

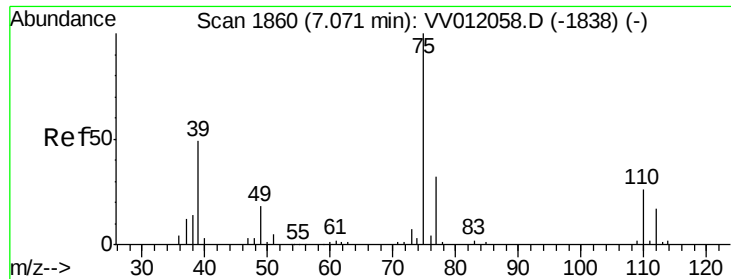
Tgt Ion: 63 Resp: 44361
 Ion Ratio Lower Upper
 63 100
 112 5.3 3.8 5.6



#38
 Bromodichloromethane
 Concen: 5.251 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV012067.D
 Acq: 30 Jul 2019 10:08

Tgt Ion: 83 Resp: 62904
 Ion Ratio Lower Upper
 83 100
 85 65.4 43.9 81.5
 127 8.9 6.9 10.3

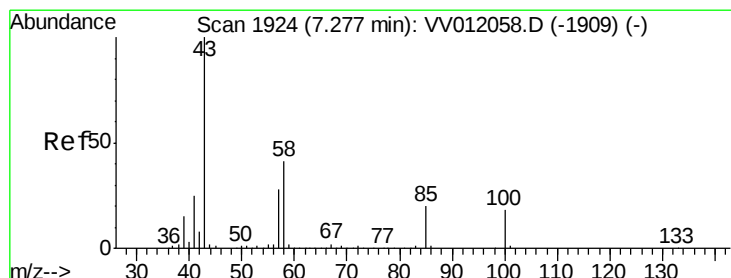
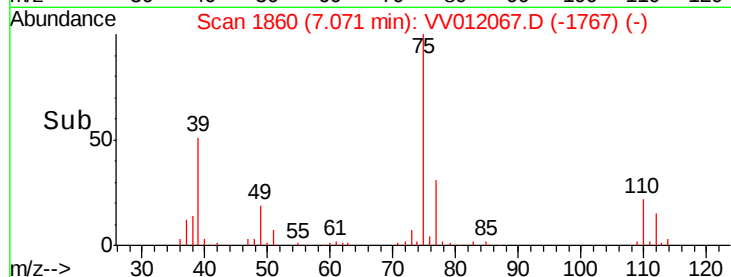
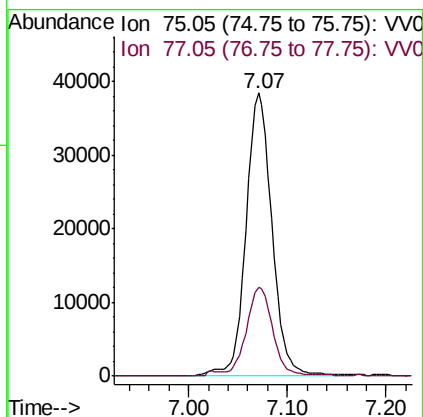
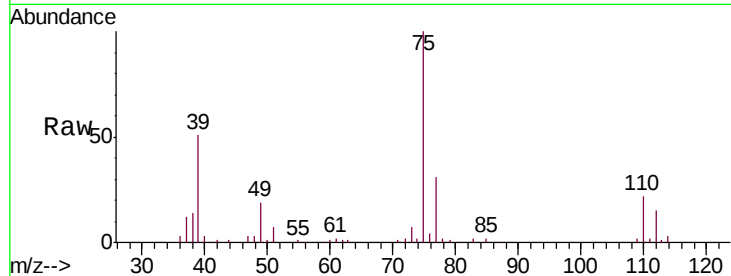




#39
 cis-1,3-Dichloropropene
 Concen: 5.262 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012067.D
 Acq: 30 Jul 2019 10:08

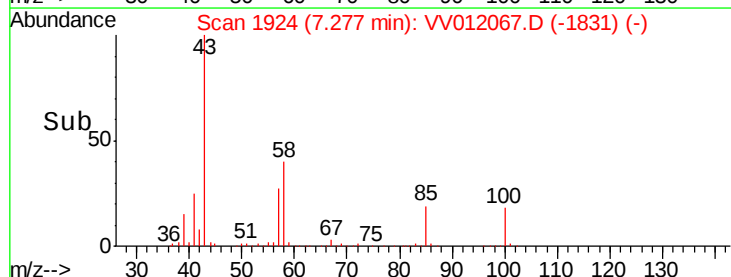
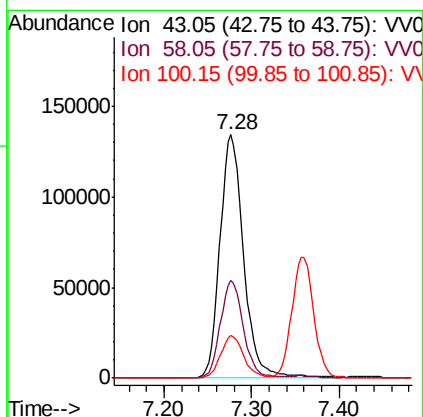
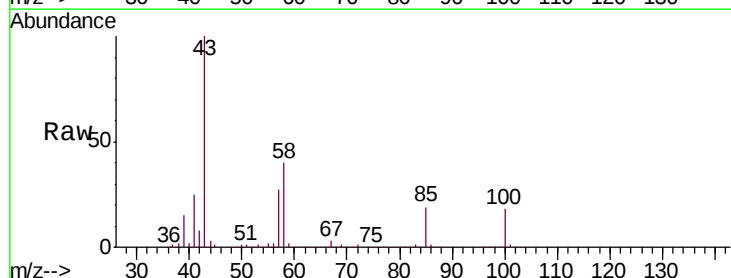
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

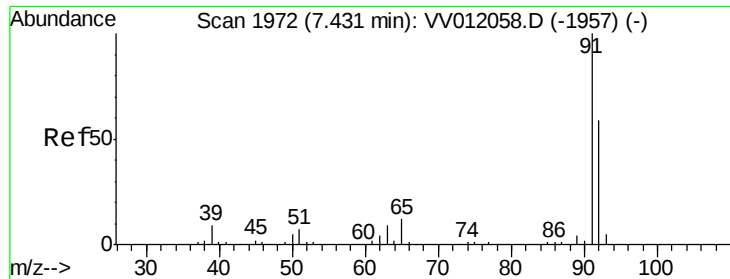
Tgt Ion: 75 Resp: 70006
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 52.884 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV012067.D
 Acq: 30 Jul 2019 10:08

Tgt Ion: 43 Resp: 253122
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.9 47.9
 100 17.0 14.0 21.0





#42

Toluene

Concen: 5.360 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012067.D

Acq: 30 Jul 2019 10:08

Instrument :

MSVOA_V

ClientSampleId :

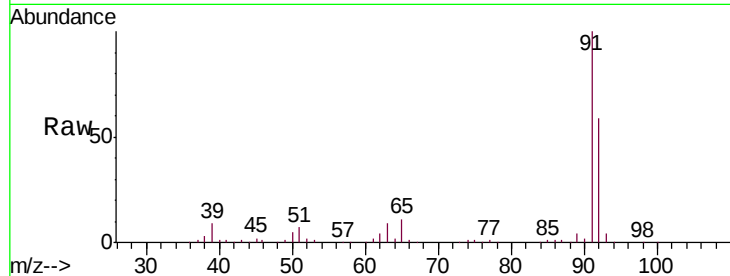
VSTD00554

Tgt Ion: 91 Resp: 218586

Ion Ratio Lower Upper

91 100

92 58.9 41.3 76.7



Abundance Ion 91.15 (90.85 to 91.85): VV012058.D (-1957) (-)

Ion 92.15 (91.85 to 92.85): VV012058.D (-1957) (-)

7.43

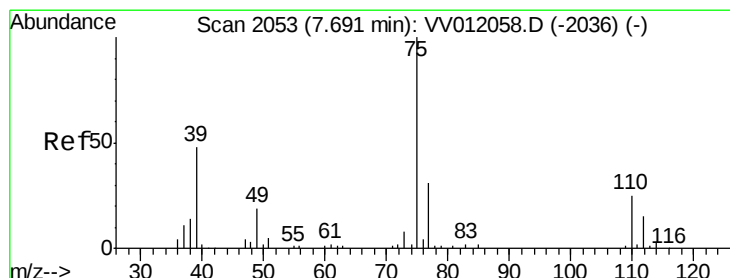
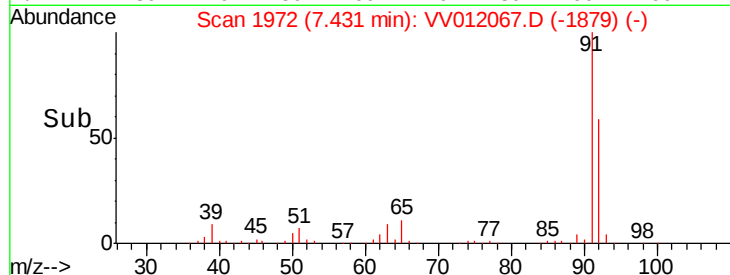
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.230 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012067.D

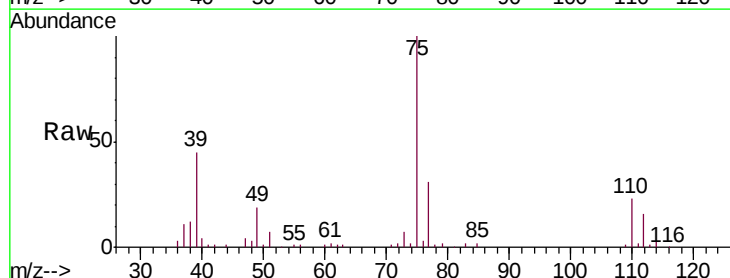
Acq: 30 Jul 2019 10:08

Tgt Ion: 75 Resp: 56261

Ion Ratio Lower Upper

75 100

77 31.1 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV012058.D (-2036) (-)

Ion 77.05 (76.75 to 77.75): VV012058.D (-2036) (-)

7.69

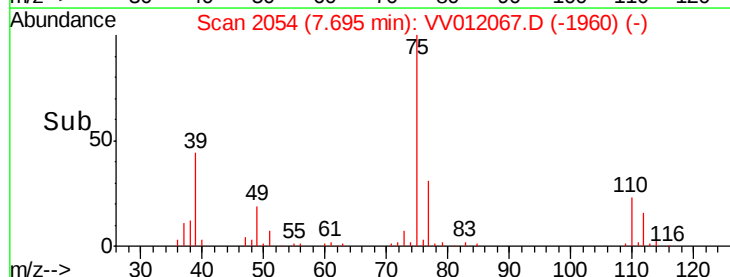
30000

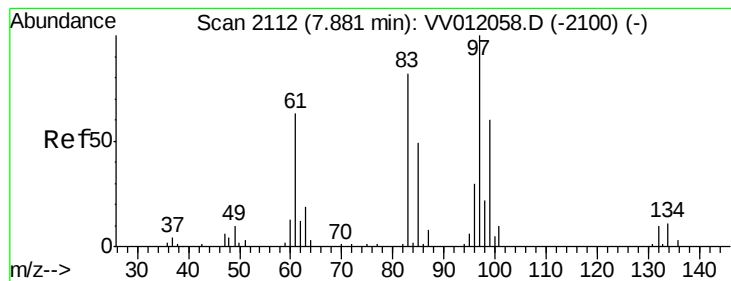
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.071 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV012067.D

Acq: 30 Jul 2019 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

Tgt Ion: 97 Resp: 32815

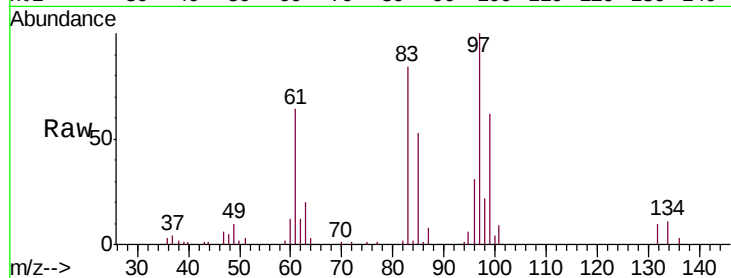
Ion Ratio Lower Upper

97 100

99 61.5 42.0 78.0

83 84.5 57.6 107.0

85 52.7 34.6 64.2



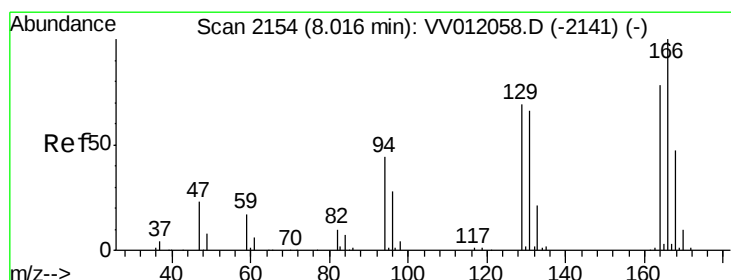
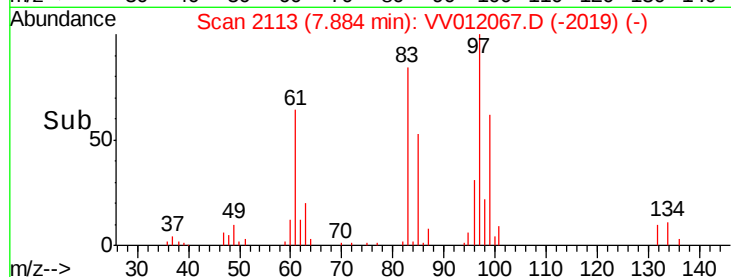
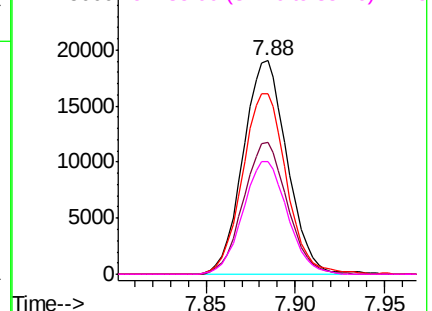
Abundance

Ion 96.95 (96.65 to 97.65): VV012058.D (-2100) (-)

Ion 99.05 (98.75 to 99.75): VV012058.D (-2100) (-)

Ion 82.95 (82.65 to 83.65): VV012058.D (-2100) (-)

Ion 85.00 (84.70 to 85.70): VV012058.D (-2100) (-)



#47

Tetrachloroethene

Concen: 5.331 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012067.D

Acq: 30 Jul 2019 10:08

Tgt Ion: 164 Resp: 48726

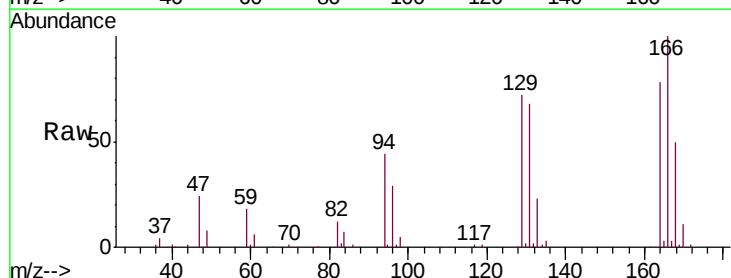
Ion Ratio Lower Upper

164 100

129 92.2 61.9 114.9

131 88.1 59.4 110.4

166 128.7 89.6 166.4



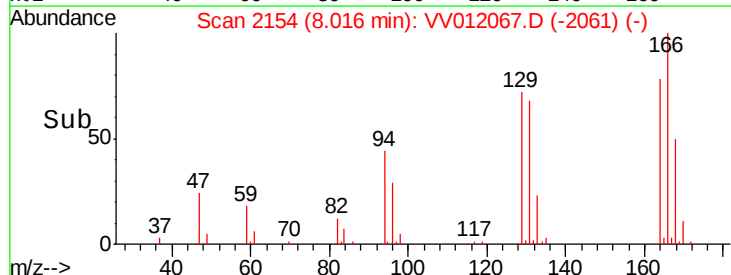
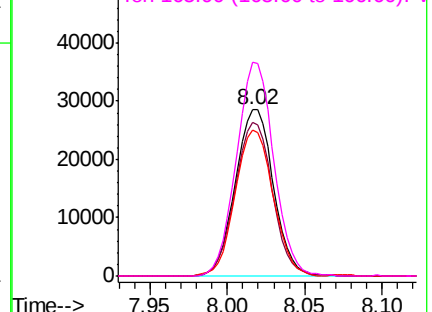
Abundance

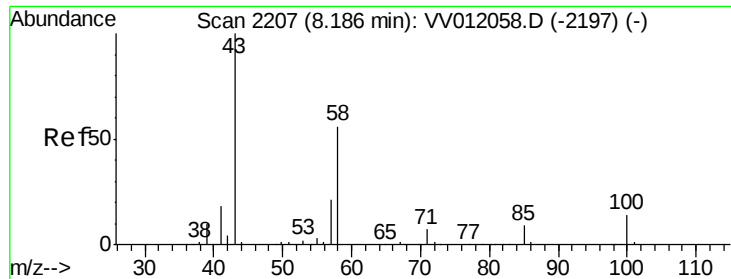
Ion 163.90 (163.60 to 164.60): VV012058.D (-2141) (-)

Ion 128.95 (128.65 to 129.65): VV012058.D (-2141) (-)

Ion 130.95 (130.65 to 131.65): VV012058.D (-2141) (-)

Ion 165.90 (165.60 to 166.60): VV012058.D (-2141) (-)

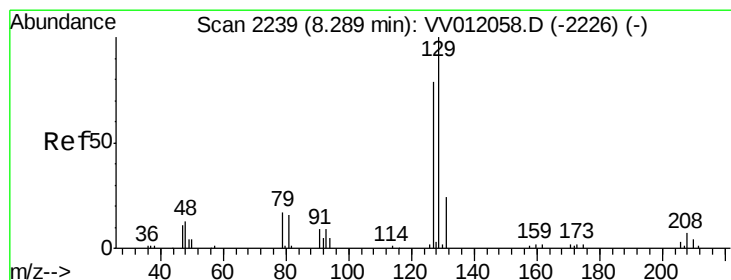
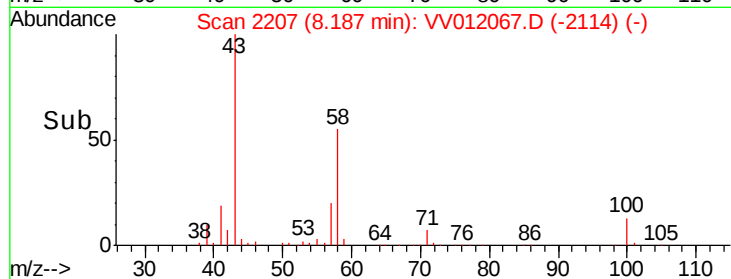
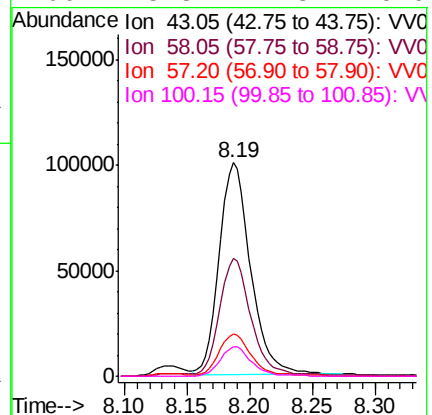
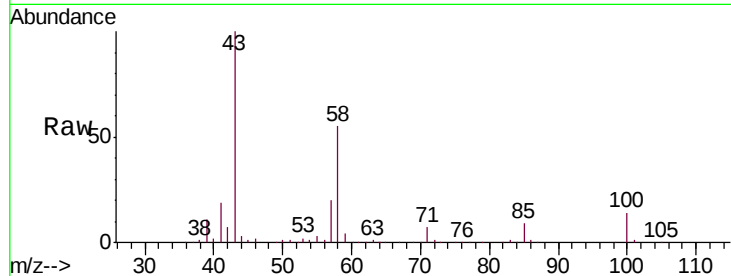




#48
2-Hexanone
Concen: 51.952 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012067.D
Acq: 30 Jul 2019 10:08

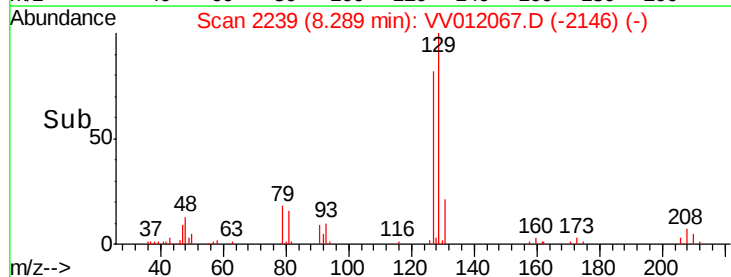
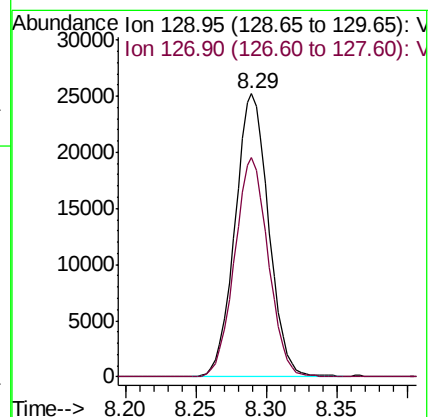
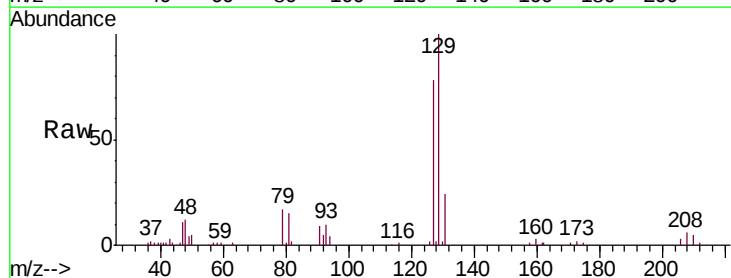
Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

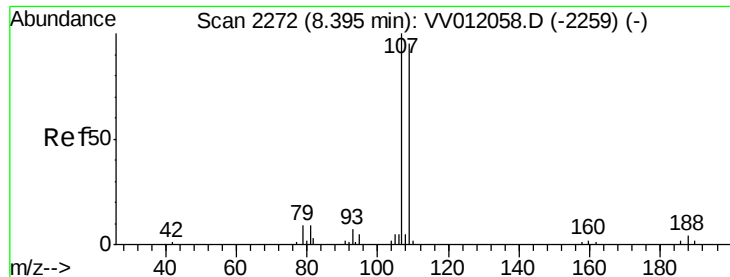
Tgt Ion: 43 Resp: 175739
Ion Ratio Lower Upper
43 100
58 55.5 44.1 66.1
57 21.1 16.1 24.1
100 13.8 11.3 16.9



#49
Dibromochloromethane
Concen: 5.303 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012067.D
Acq: 30 Jul 2019 10:08

Tgt Ion: 129 Resp: 42071
Ion Ratio Lower Upper
129 100
127 77.6 55.4 102.8

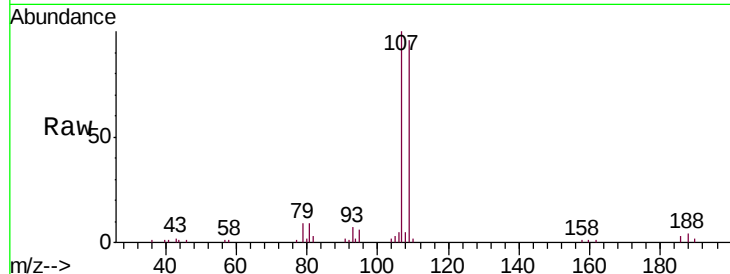




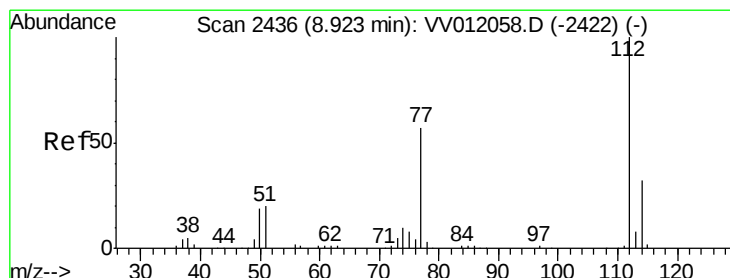
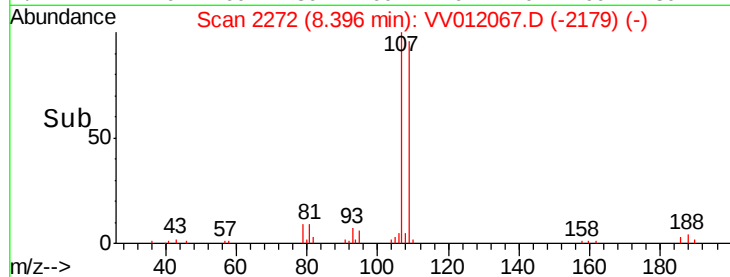
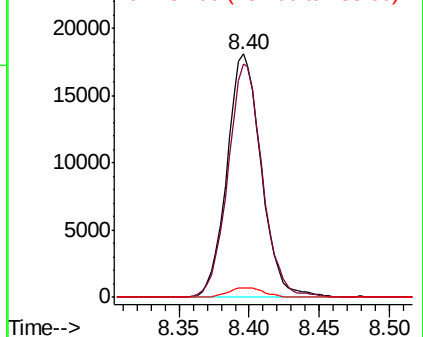
#50
 1,2-Dibromoethane
 Concen: 5.085 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV012067.D
 Acq: 30 Jul 2019 10:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

Tgt Ion:107 Resp: 30758
 Ion Ratio Lower Upper
 107 100
 109 96.1 66.3 123.1
 188 3.7 3.4 5.0

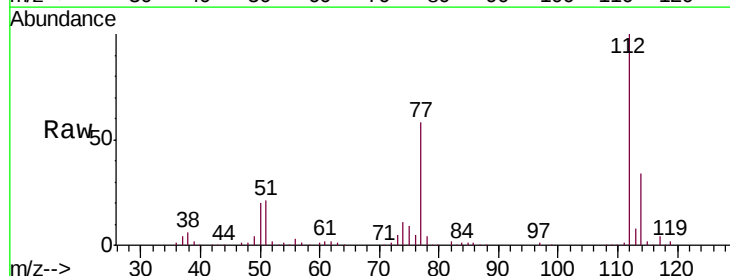


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

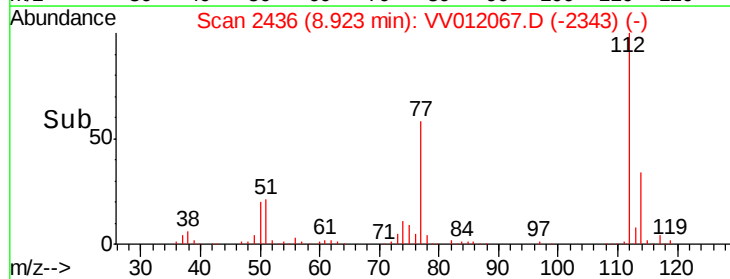
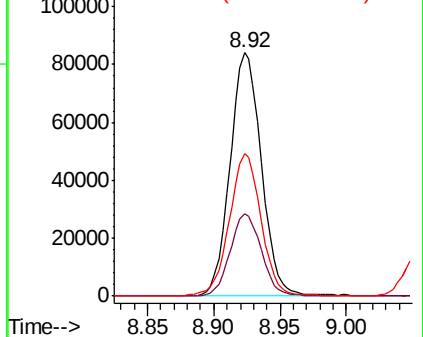


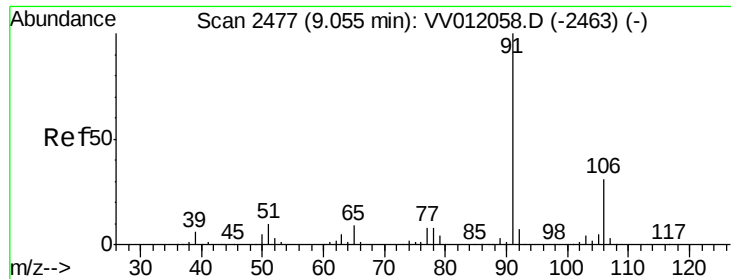
#51
 Chlorobenzene
 Concen: 5.059 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012067.D
 Acq: 30 Jul 2019 10:08

Tgt Ion:112 Resp: 137923
 Ion Ratio Lower Upper
 112 100
 114 33.6 22.1 41.1
 77 58.4 45.9 68.9



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: 5.207 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012067.D

Acq: 30 Jul 2019 10:08

Instrument :

MSVOA_V

ClientSampleId :

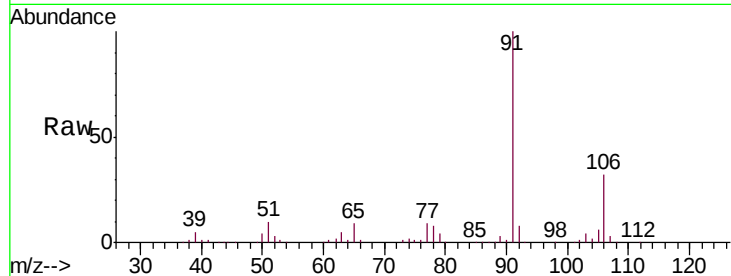
VSTD00554

Tgt Ion: 91 Resp: 242295

Ion Ratio Lower Upper

91 100

106 31.8 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV012058.D (-2463) (-)

Ion 106.15 (105.85 to 106.85): VV012067.D (-2384) (-)

9.05

150000

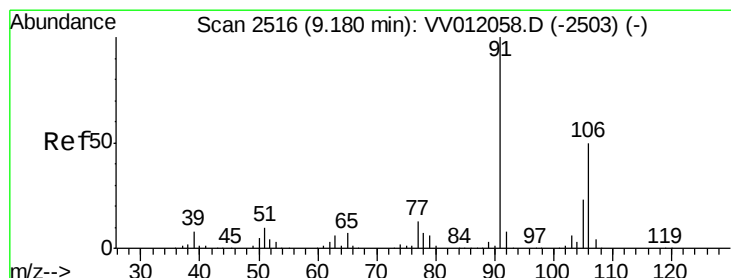
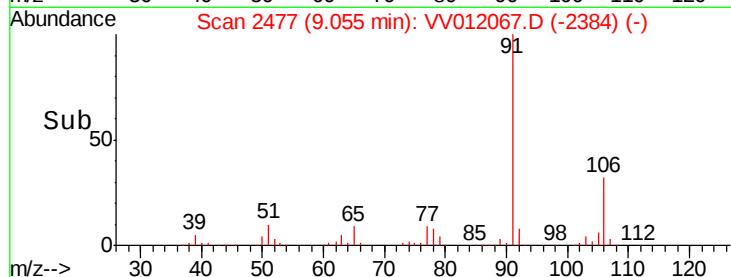
100000

50000

0

9.00 9.05 9.10

Time-->



#53

m,p-xylene

Concen: 5.347 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012067.D

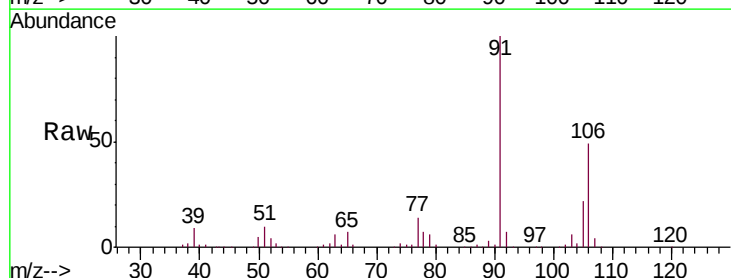
Acq: 30 Jul 2019 10:08

Tgt Ion: 106 Resp: 94717

Ion Ratio Lower Upper

106 100

91 205.3 141.6 263.0



Abundance Ion 106.15 (105.85 to 106.85): VV012058.D (-2503) (-)

Ion 91.15 (90.85 to 91.85): VV012067.D (-2423) (-)

9.18

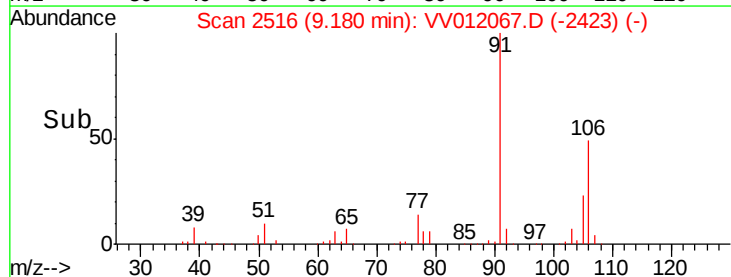
100000

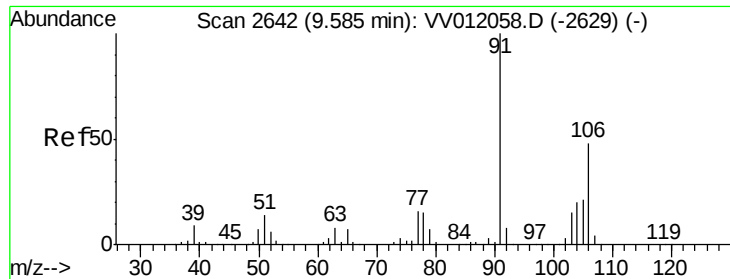
50000

0

9.10 9.20 9.30

Time-->





#54

o-xylene

Concen: 5.261 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012067.D

Acq: 30 Jul 2019 10:08

Instrument :

MSVOA_V

ClientSampleId :

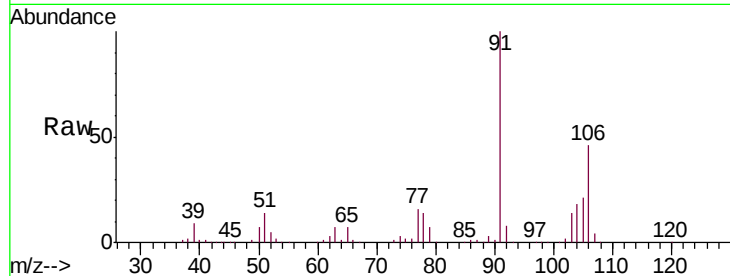
VSTD00554

Tgt Ion:106 Resp: 88196

Ion Ratio Lower Upper

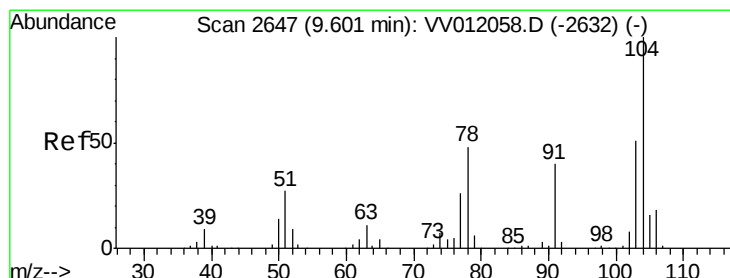
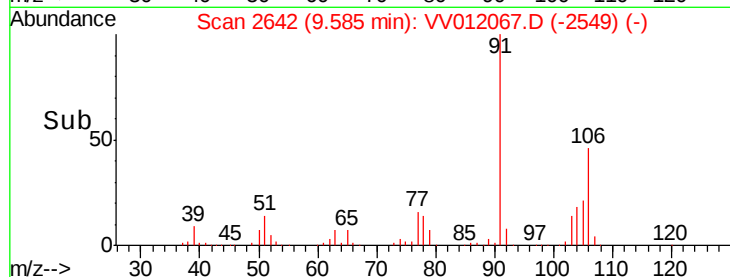
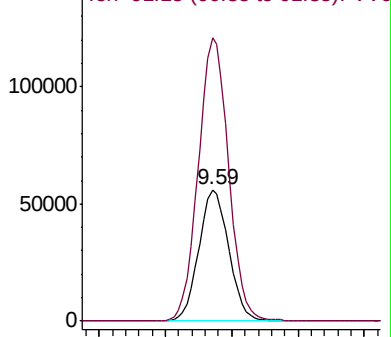
106 100

91 215.9 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.430 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012067.D

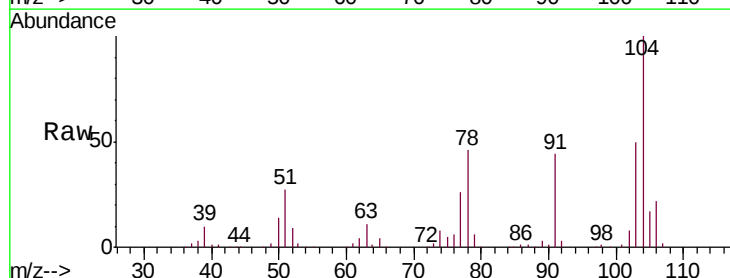
Acq: 30 Jul 2019 10:08

Tgt Ion:104 Resp: 153371

Ion Ratio Lower Upper

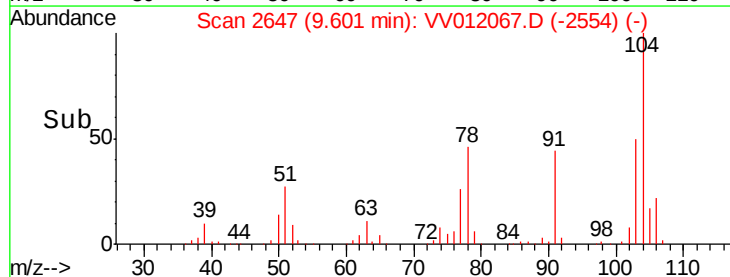
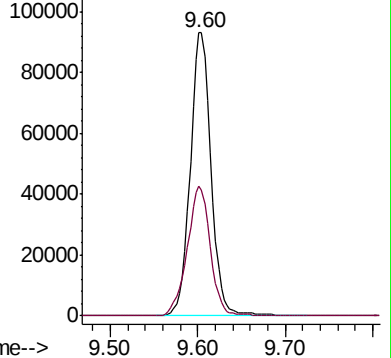
104 100

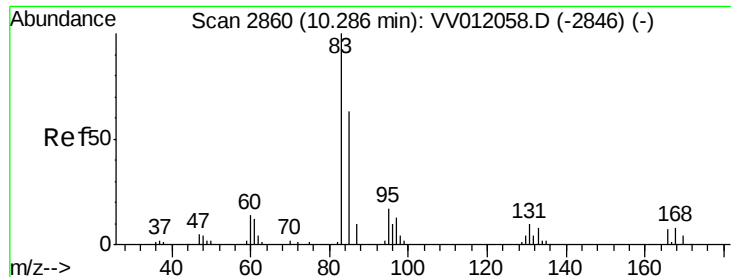
78 45.9 33.3 61.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.174 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012067.D

Acq: 30 Jul 2019 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

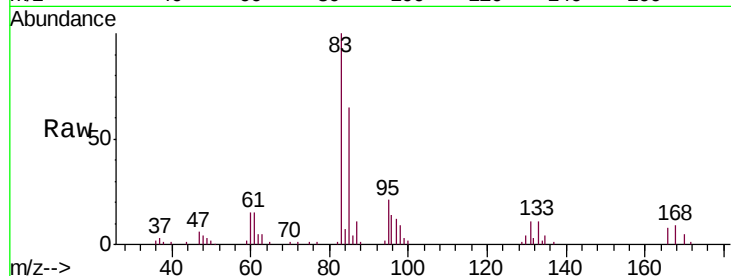
Tgt Ion: 83 Resp: 35936

Ion Ratio Lower Upper

83 100

85 64.9 44.0 81.6

131 11.5 8.3 12.5

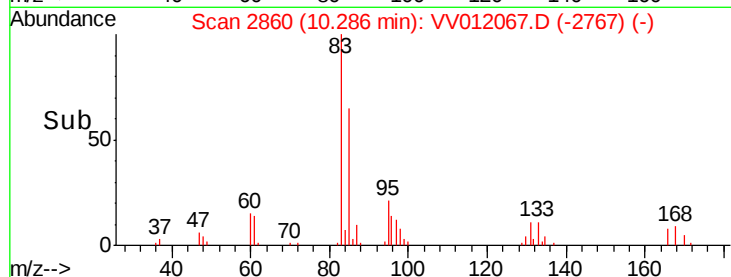


Abundance Ion 82.95 (82.65 to 83.65): VV012067.D (-2767) (-)

Ion 85.00 (84.70 to 85.70): VV012067.D (-2767) (-)

Ion 130.95 (130.65 to 131.65): VV012067.D (-2767) (-)

Time--> 10.20 10.25 10.30 10.35

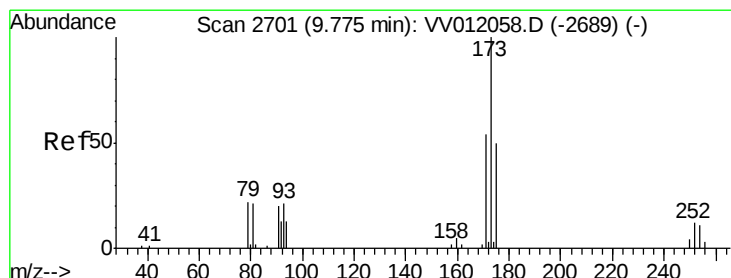


Abundance Ion 82.95 (82.65 to 83.65): VV012067.D (-2767) (-)

Ion 85.00 (84.70 to 85.70): VV012067.D (-2767) (-)

Ion 130.95 (130.65 to 131.65): VV012067.D (-2767) (-)

Time--> 10.20 10.25 10.30 10.35



#59

Bromoform

Concen: 4.953 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012067.D

Acq: 30 Jul 2019 10:08

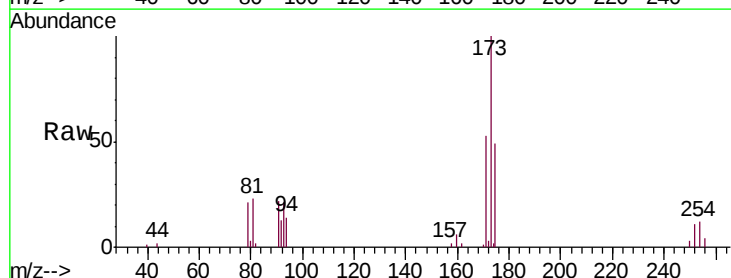
Tgt Ion: 173 Resp: 22164

Ion Ratio Lower Upper

173 100

175 48.3 38.3 57.5

254 11.0 8.6 13.0

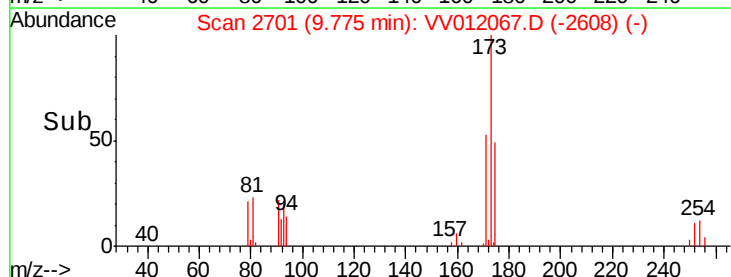


Abundance Ion 172.90 (172.60 to 173.60): VV012067.D (-2608) (-)

Ion 174.90 (174.60 to 175.60): VV012067.D (-2608) (-)

Ion 253.75 (253.45 to 254.45): VV012067.D (-2608) (-)

Time--> 9.70 9.75 9.80 9.85

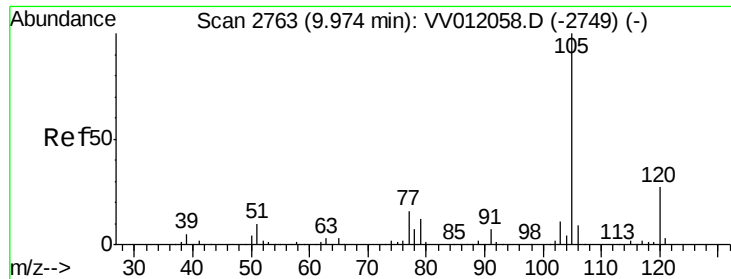


Abundance Ion 172.90 (172.60 to 173.60): VV012067.D (-2608) (-)

Ion 174.90 (174.60 to 175.60): VV012067.D (-2608) (-)

Ion 253.75 (253.45 to 254.45): VV012067.D (-2608) (-)

Time--> 9.70 9.75 9.80 9.85



#60

Isopropylbenzene

Concen: 5.197 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012067.D

Acq: 30 Jul 2019 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

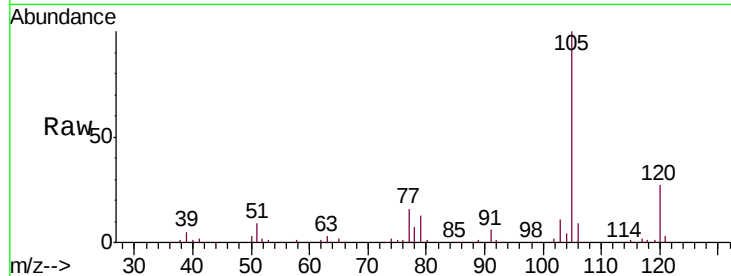
Tgt Ion: 105 Resp: 245768

Ion Ratio Lower Upper

105 100

120 26.3 21.5 32.3

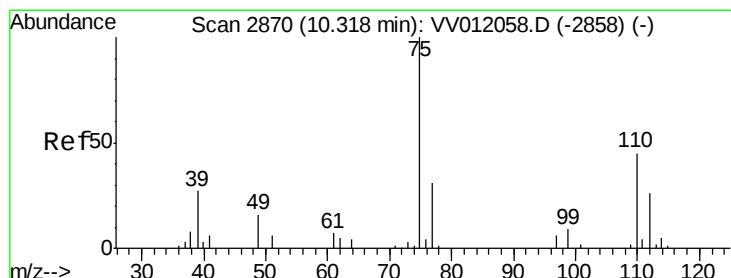
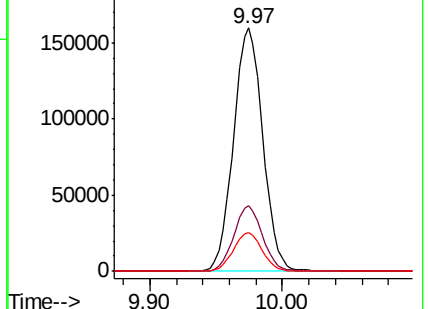
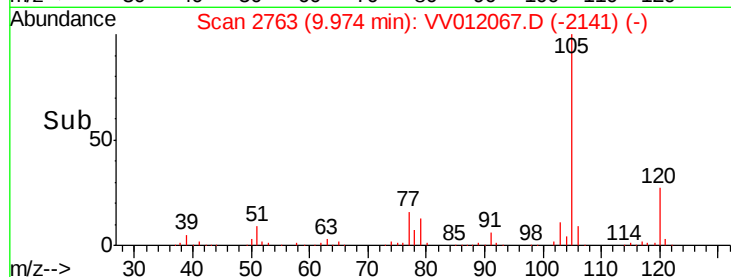
77 15.8 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 4.963 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012067.D

Acq: 30 Jul 2019 10:08

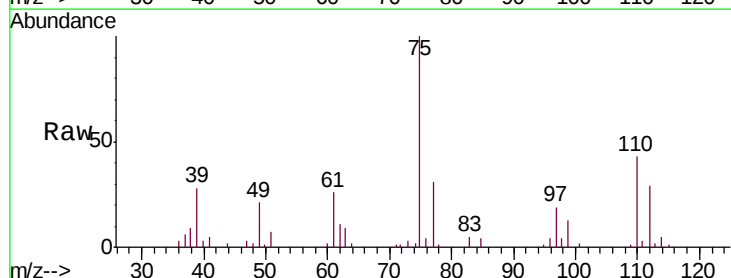
Tgt Ion: 75 Resp: 26778

Ion Ratio Lower Upper

75 100

77 32.8 26.8 40.2

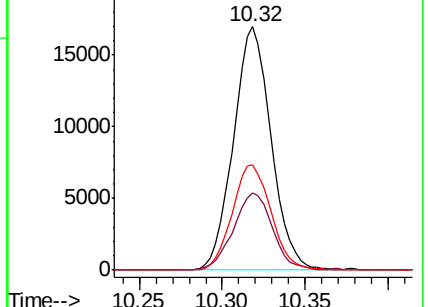
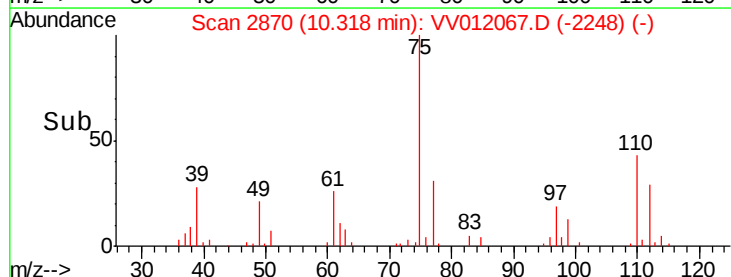
110 44.6 35.0 52.6

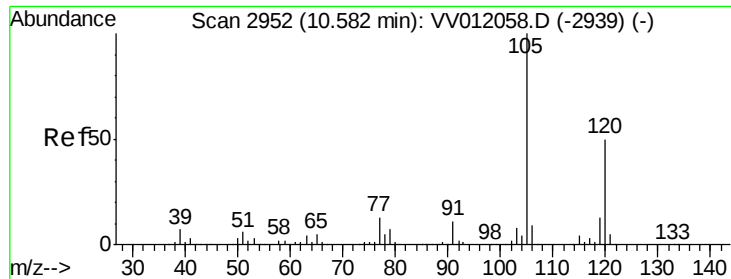


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

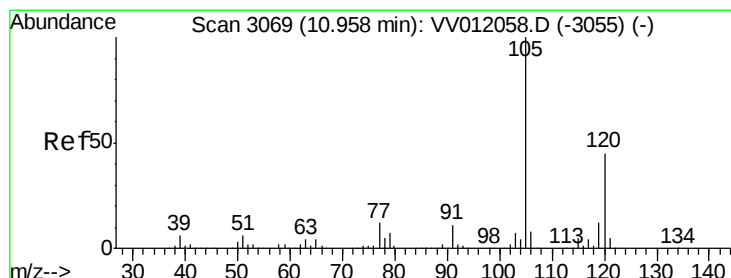
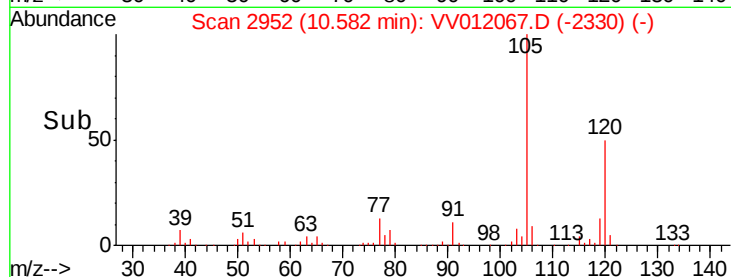
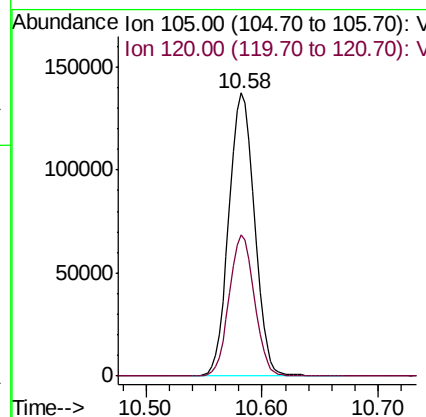
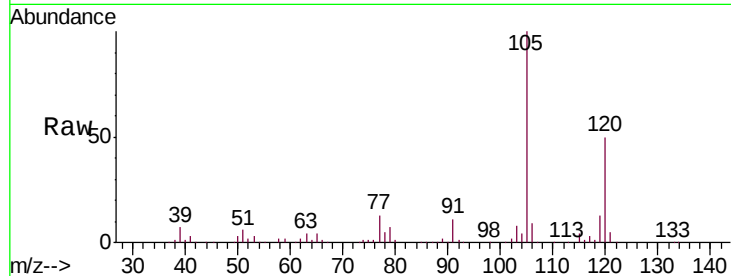




#62
 1,3,5-Trimethylbenzene
 Concen: 5.380 ug/L
 RT: 10.58 min Scan# 2952
 Delta R.T. 0.00 min
 Lab File: VV012067.D
 Acq: 30 Jul 2019 10:08

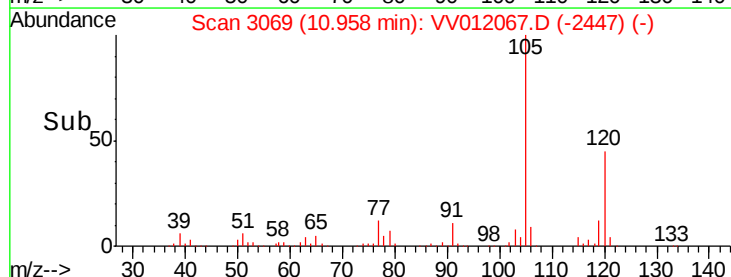
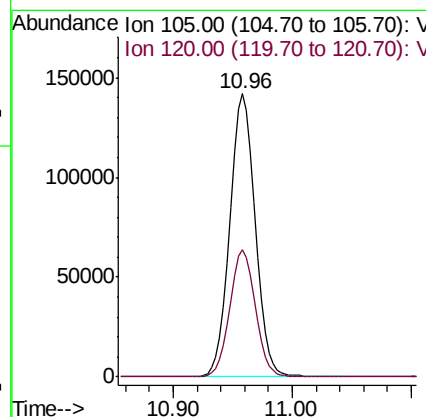
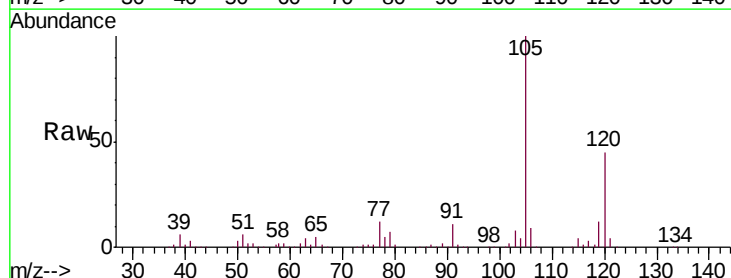
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

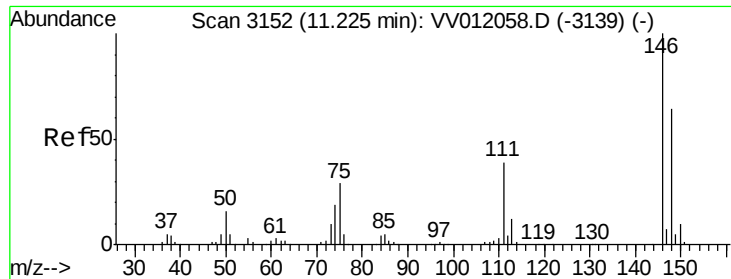
Tgt Ion:105 Resp: 210087
 Ion Ratio Lower Upper
 105 100
 120 49.0 40.1 60.1



#63
 1,2,4-Trimethylbenzene
 Concen: 5.427 ug/L
 RT: 10.96 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VV012067.D
 Acq: 30 Jul 2019 10:08

Tgt Ion:105 Resp: 210583
 Ion Ratio Lower Upper
 105 100
 120 45.3 35.8 53.8

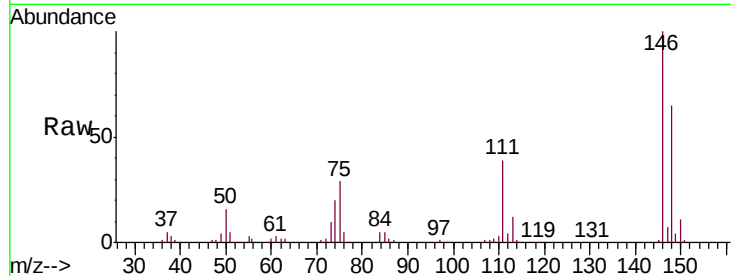




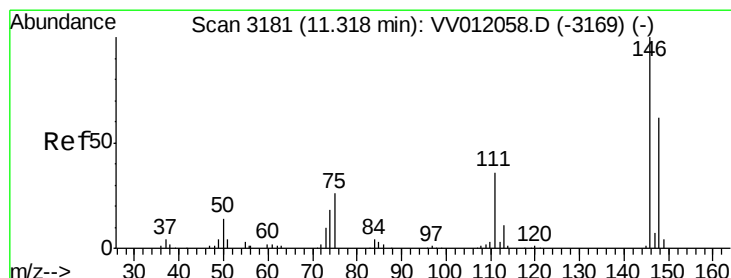
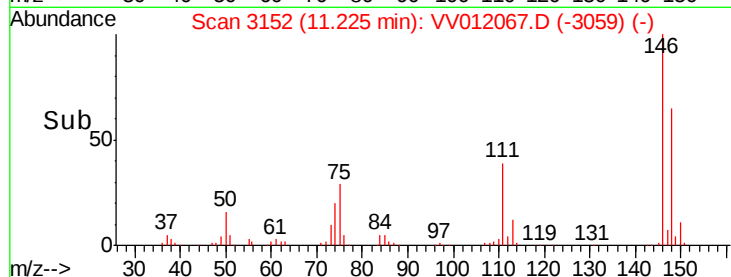
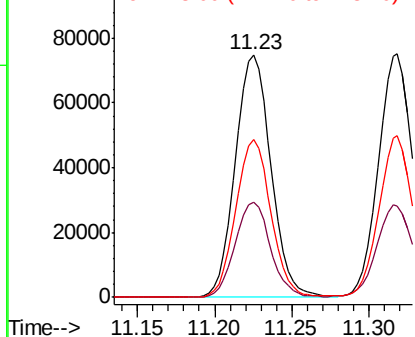
#64
 1,3-Dichlorobenzene
 Concen: 5.095 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV012067.D
 Acq: 30 Jul 2019 10:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

Tgt Ion:146 Resp: 120074
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.2 50.6
 148 65.1 44.5 82.7

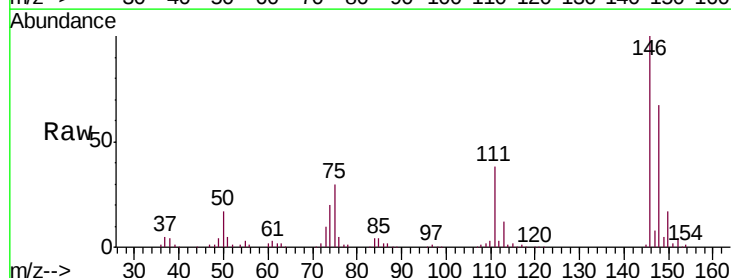


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

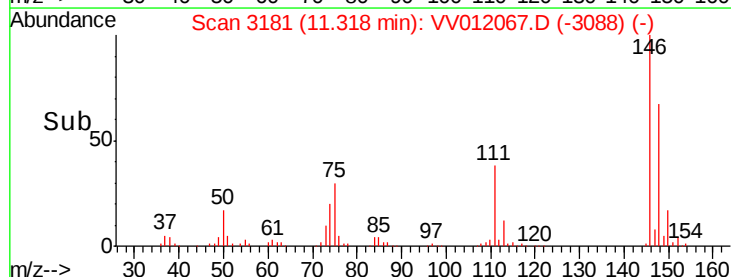
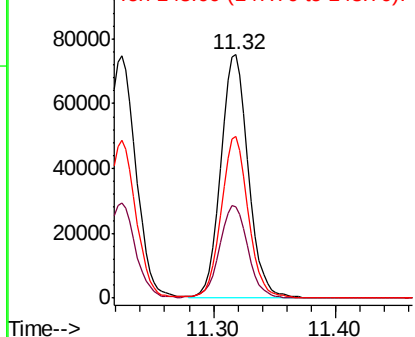


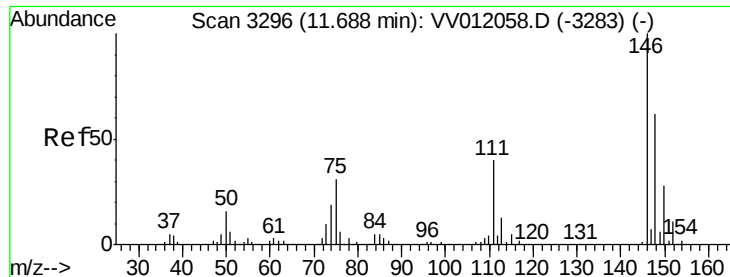
#65
 1,4-Dichlorobenzene
 Concen: 4.983 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV012067.D
 Acq: 30 Jul 2019 10:08

Tgt Ion:146 Resp: 119673
 Ion Ratio Lower Upper
 146 100
 111 37.6 25.8 48.0
 148 66.7 43.8 81.3



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





#67

1,2-Dichlorobenzene

Concen: 5.080 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012067.D

Acq: 30 Jul 2019 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

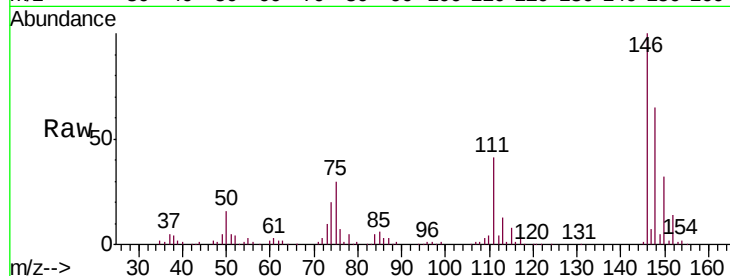
Tgt Ion:146 Resp: 108797

Ion Ratio Lower Upper

146 100

111 40.6 32.4 48.6

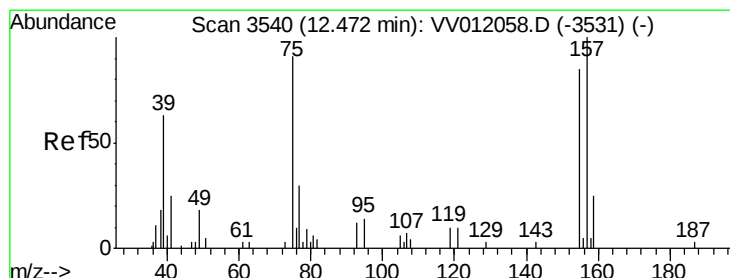
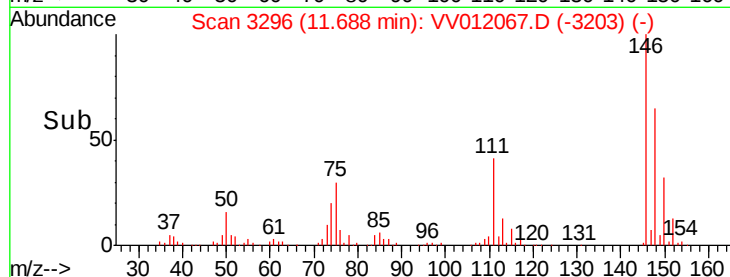
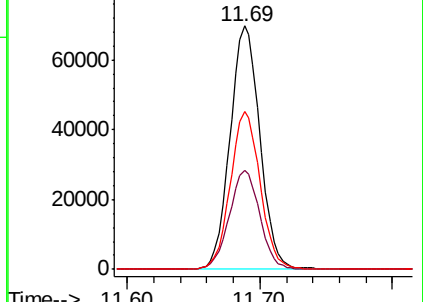
148 64.6 49.4 74.0



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



#68

1,2-Dibromo-3-chloropropane

Concen: 5.170 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV012067.D

Acq: 30 Jul 2019 10:08

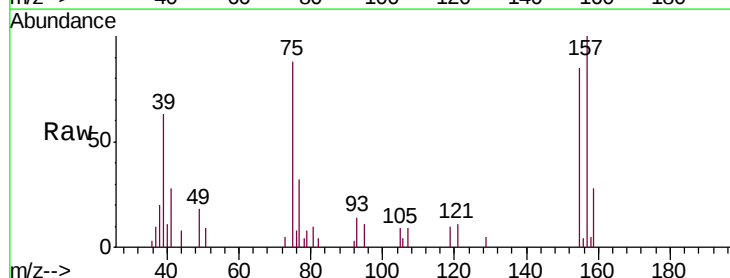
Tgt Ion: 75 Resp: 5751

Ion Ratio Lower Upper

75 100

155 96.6 75.0 112.6

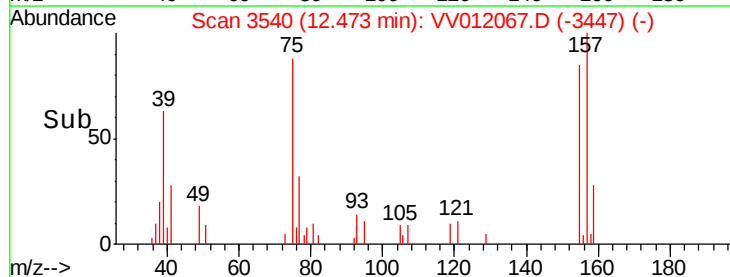
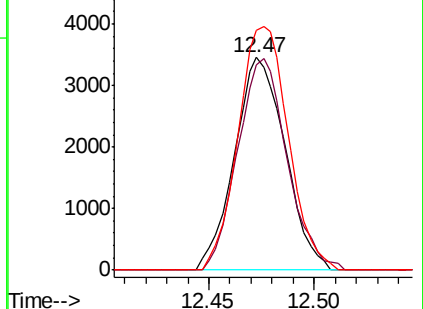
157 113.0 87.8 131.6

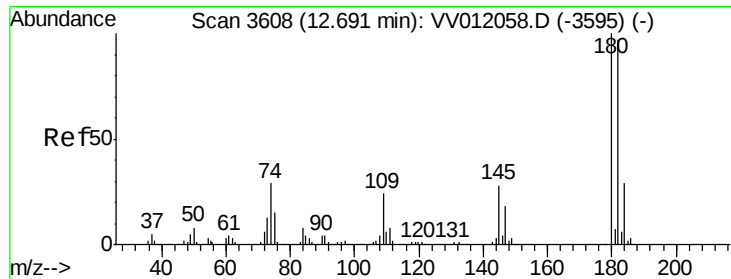


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

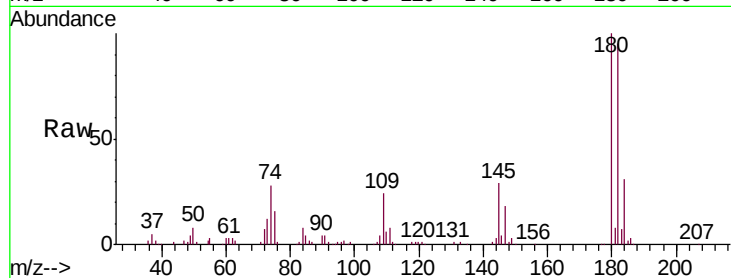




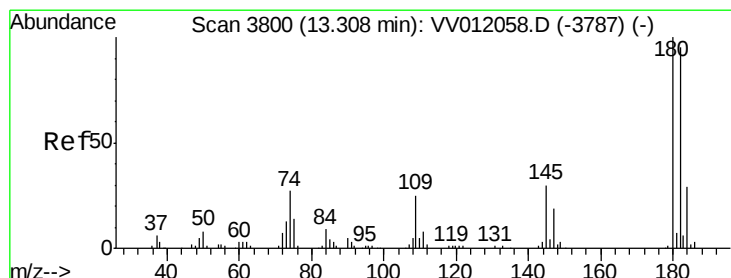
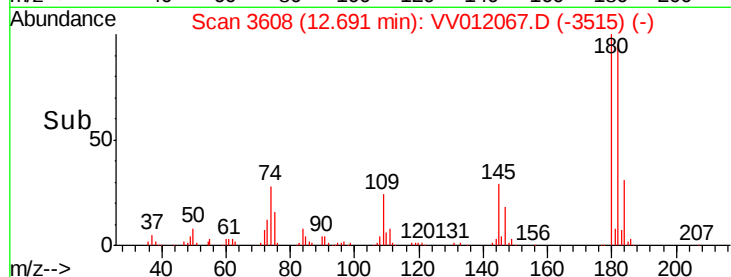
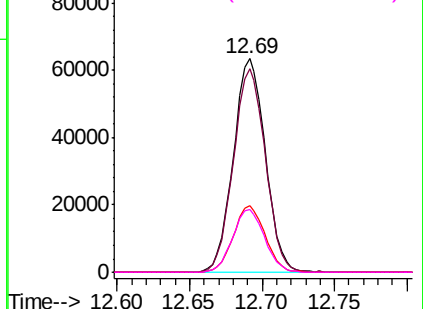
#69
 1,3,5-Trichlorobenzene
 Concen: 4.992 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012067.D
 Acq: 30 Jul 2019 10:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

Tgt Ion:180 Resp: 97259
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.1 115.7
 184 31.1 24.6 36.8
 145 29.4 22.8 34.2

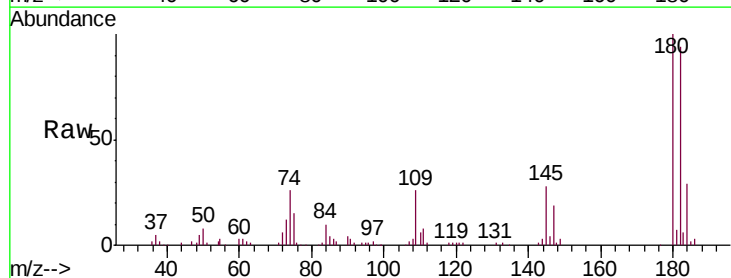


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

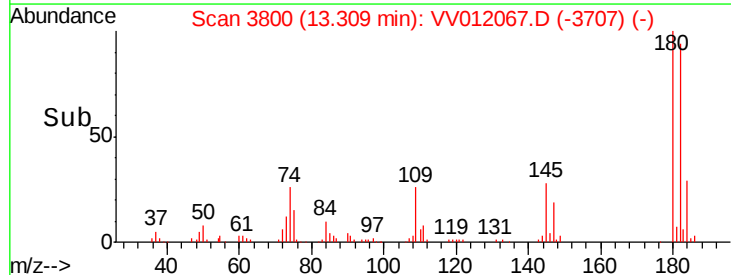
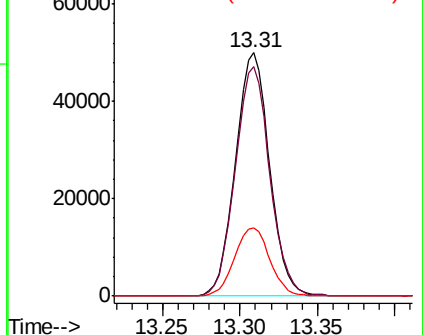


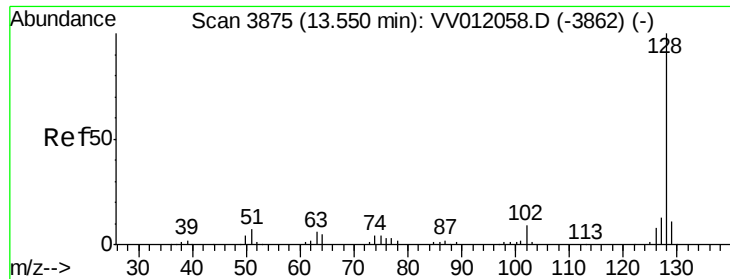
#70
 1,2,4-trichlorobenzene
 Concen: 4.966 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012067.D
 Acq: 30 Jul 2019 10:08

Tgt Ion:180 Resp: 76576
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.1 114.1
 145 29.0 24.3 36.5



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

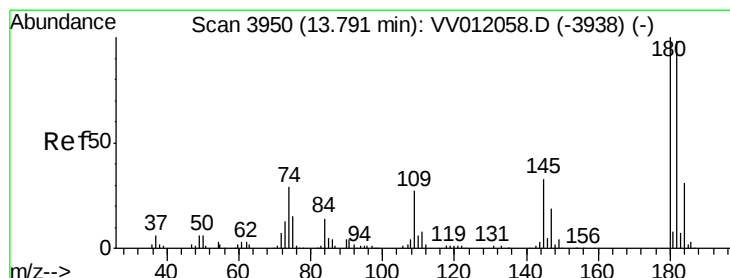
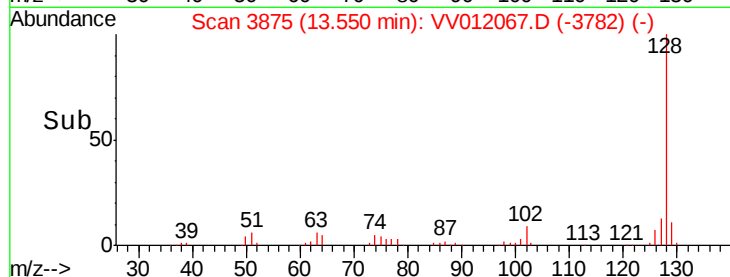
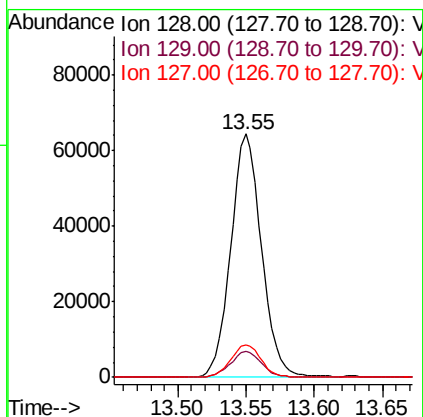
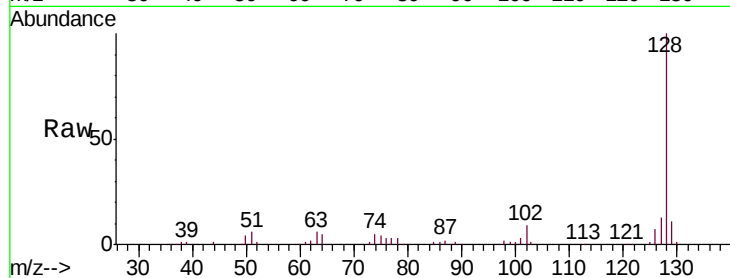




#71
Naphthalene
Concen: 4.703 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.00 min
Lab File: VV012067.D
Acq: 30 Jul 2019 10:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

Tgt Ion:128 Resp: 100621
Ion Ratio Lower Upper
128 100
129 10.8 9.1 13.7
127 13.4 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 5.013 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VV012067.D
Acq: 30 Jul 2019 10:08

Tgt Ion:180 Resp: 68513
Ion Ratio Lower Upper
180 100
182 96.4 78.5 117.7
145 32.7 25.8 38.8

