

Data File : VV011674.D
Acq On : 21 Jun 2019 10:23
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

Quant Time: Jun 22 04:10:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 21 04:33:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	174725	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	162429	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	75361	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	55164	4.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.20%
7) Chloroethane-d5	1.58	69	40621	4.98	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.60%
11) 1,1-Dichloroethene-d2	2.12	63	121732	5.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.20%
20) 2-Butanone-d5	3.96	46	166024	54.35	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.70%
24) Chloroform-d	4.40	84	107482	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
26) 1,2-Dichloroethane-d4	5.08	65	65433	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.09	84	233412	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	6.12	67	71978	5.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.20%
41) Toluene-d8	7.36	98	215904	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
43) trans-1,3-Dichloropropene-	7.66	79	25881	5.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.20%
46) 2-Hexanone-d5	8.14	63	125156	54.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.40%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	52458	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	72043	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	101112	5.563 ug/L	98
3) Chloromethane	1.25	50	85123	5.162 ug/L	98
5) Vinyl chloride	1.32	62	87095	5.391 ug/L	99
6) Bromomethane	1.53	94	31516	4.475 ug/L	99
8) Chloroethane	1.60	64	47575	5.635 ug/L	98
9) Trichlorofluoromethane	1.76	101	114876	5.495 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	66456	5.610 ug/L	97
12) 1,1-Dichloroethene	2.13	96	61021	5.643 ug/L	93
13) Acetone	2.22	43	117297	53.155 ug/L	99
14) Carbon disulfide	2.31	76	157894	5.425 ug/L	99
15) Methyl Acetate	2.47	43	28684	5.220 ug/L	95
16) Methylene chloride	2.53	84	63913	5.304 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	165753	5.604 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	70996	5.584 ug/L	98
19) 1,1-Dichloroethane	3.22	63	140303	5.552 ug/L	97
21) 2-Butanone	4.04	43	201256	56.607 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	76221	5.456 ug/L	96

Data File : VV011674.D
Acq On : 21 Jun 2019 10:23
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

Quant Time: Jun 22 04:10:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 21 04:33:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	28006	5.320	ug/L	99
25) Chloroform	4.42	83	155781	5.615	ug/L	95
27) 1,2-Dichloroethane	5.18	62	91462	5.440	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	118399	5.661	ug/L	99
30) Cyclohexane	4.72	56	131953	5.524	ug/L	99
31) Carbon tetrachloride	4.87	117	100856	5.705	ug/L	99
33) Benzene	5.14	78	306868	5.699	ug/L	100
34) Trichloroethene	5.96	95	77883	5.454	ug/L	98
35) Methylcyclohexane	6.17	83	132414	5.744	ug/L	97
37) 1,2-Dichloropropane	6.22	63	75838	5.547	ug/L	99
38) Bromodichloromethane	6.55	83	87084	5.585	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	102685	5.723	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	494000	57.602	ug/L	100
42) Toluene	7.43	91	323212	5.744	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	77740	5.850	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	50030	5.765	ug/L	92
47) Tetrachloroethene	8.02	164	60767	5.714	ug/L	96
48) 2-Hexanone	8.19	43	349774	58.006	ug/L	99
49) Dibromochloromethane	8.29	129	51852	5.945	ug/L	98
50) 1,2-Dibromoethane	8.40	107	44671	5.637	ug/L #	99
51) Chlorobenzene	8.92	112	195646	5.608	ug/L	98
52) Ethylbenzene	9.05	91	355032	5.717	ug/L	99
53) m,p-xylene	9.18	106	133593	5.857	ug/L	100
54) o-xylene	9.59	106	129920	5.827	ug/L	97
55) Styrene	9.60	104	209938	5.908	ug/L	98
56) Isopropylbenzene	9.97	105	346244	5.796	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	57772	5.599	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	42667	5.370	ug/L	98
61) Bromoform	9.78	173	23395	5.528	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	144957	5.702	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	143143	5.451	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	135529	5.598	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	7280	5.250	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	109199	5.777	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	82774	5.650	ug/L	98
69) Naphthalene	13.55	128	131447	5.488	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	76501	5.618	ug/L	98

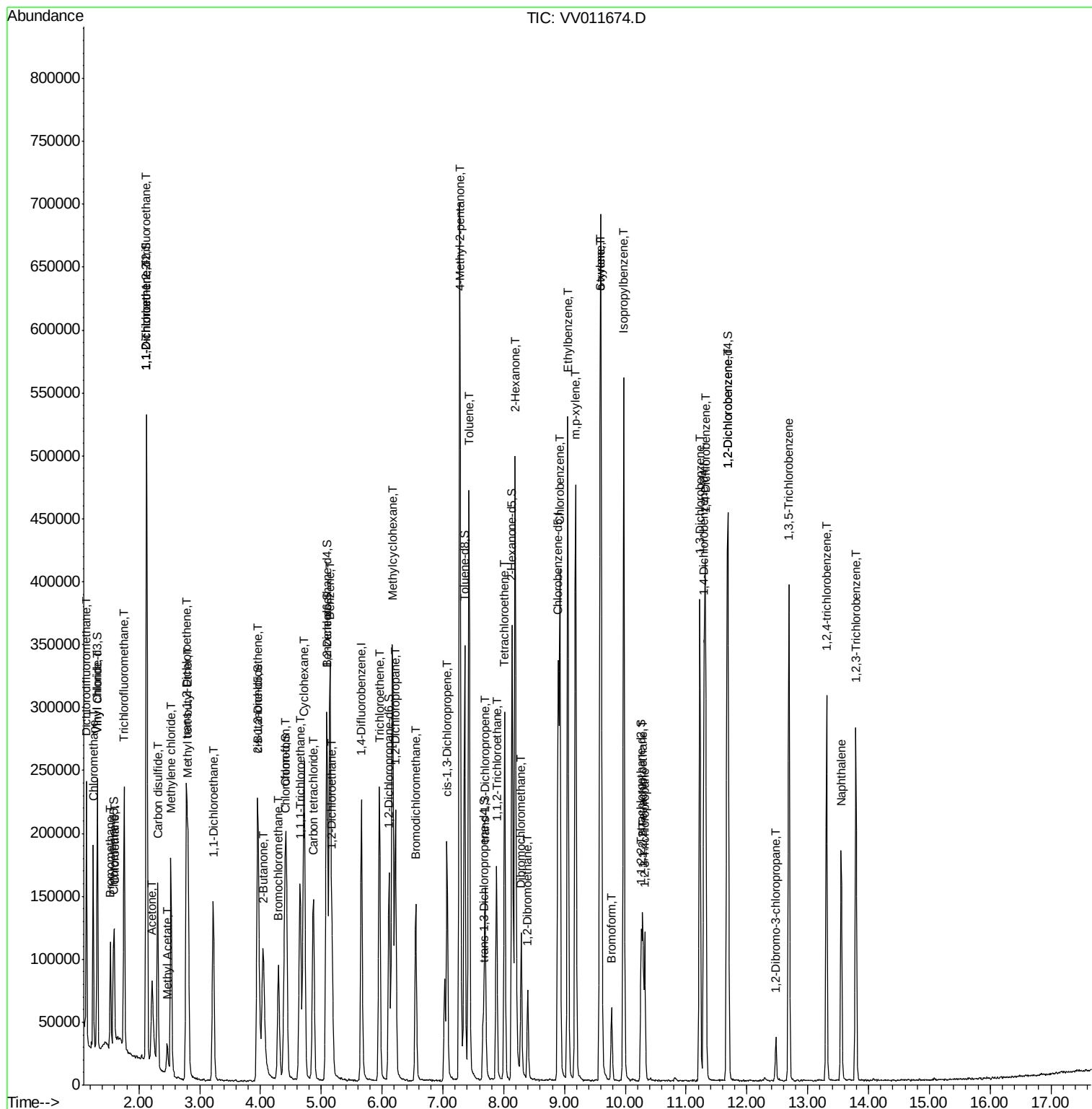
(#) = qualifier out of range (m) = manual integration (+) = signals summed

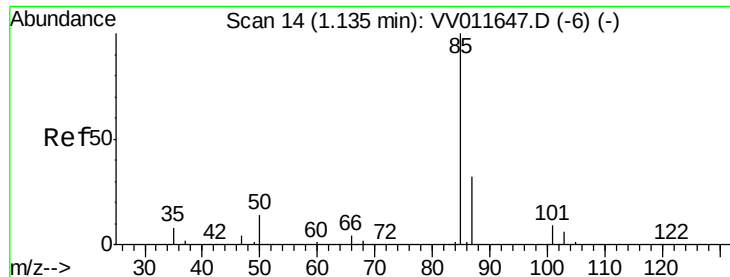
Data File : VV011674.D

```
Acq On       : 21 Jun 2019   10:23
Operator    : SY/MD
Sample      : VSTDCCC005
Misc        : 25ML/MSVOA_V/WATER
ALS Vial     : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

Quant Time: Jun 22 04:10:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 21 04:33:10 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.563 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011674.D

Acq: 21 Jun 2019 10:23

Instrument :

MSVOA_V

ClientSampleId :

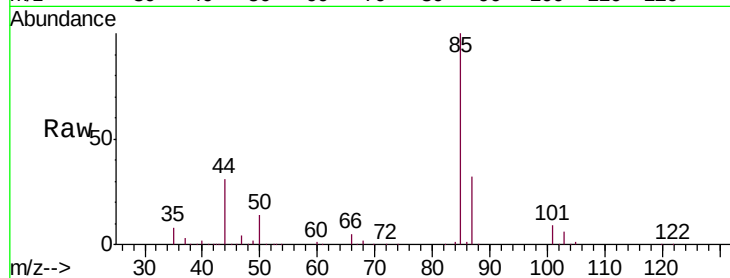
VSTD00544

Tgt Ion: 85 Resp: 101112

Ion Ratio Lower Upper

85 100

87 32.1 25.0 37.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

120000

100000

80000

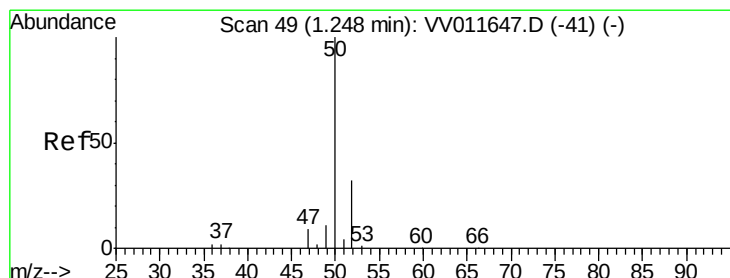
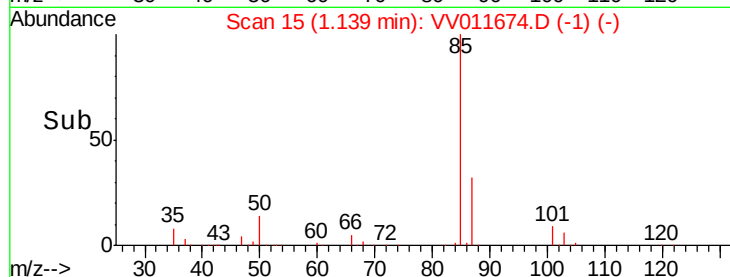
60000

40000

20000

0

Time--> 1.05 1.10 1.15 1.20 1.25



#3

Chloromethane

Concen: 5.162 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV011674.D

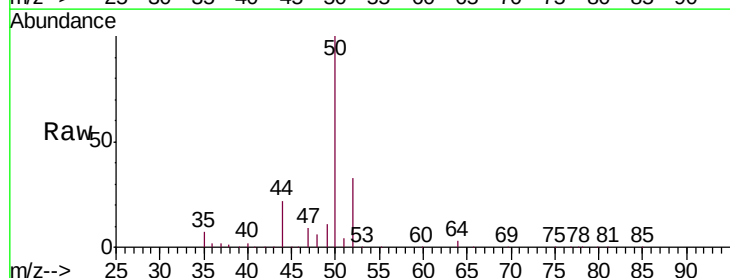
Acq: 21 Jun 2019 10:23

Tgt Ion: 50 Resp: 85123

Ion Ratio Lower Upper

50 100

52 32.6 22.0 40.8



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.25

100000

80000

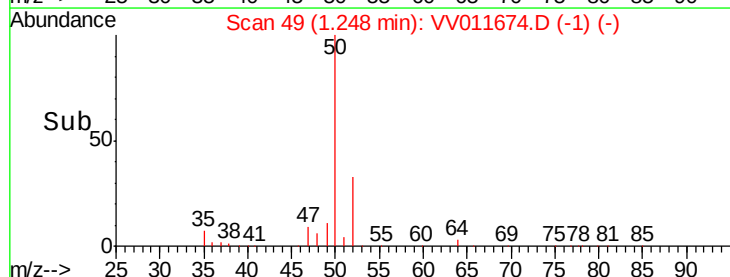
60000

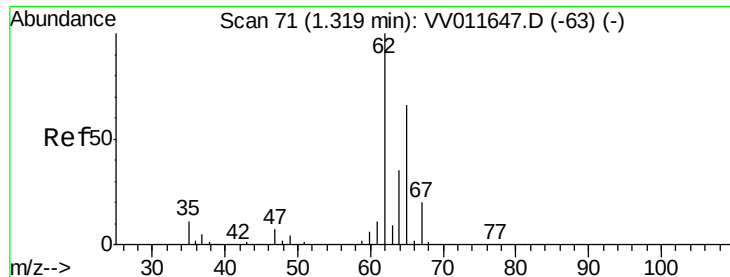
40000

20000

0

Time--> 1.20 1.25





#5

Vinyl chloride

Concen: 5.391 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011674.D

Acq: 21 Jun 2019 10:23

Instrument :

MSVOA_V

ClientSampleId :

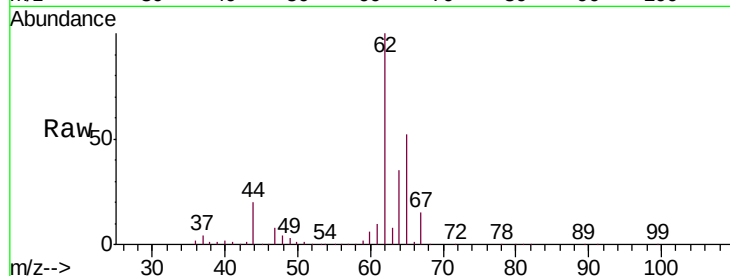
VSTD00544

Tgt Ion: 62 Resp: 87095

Ion Ratio Lower Upper

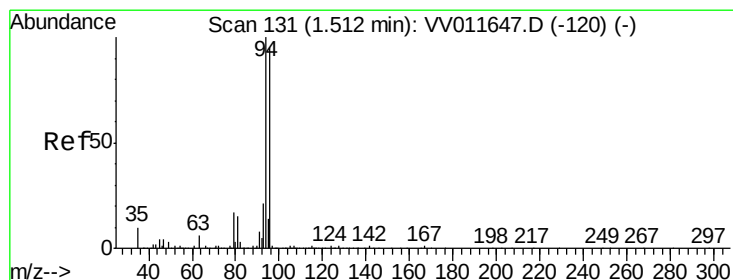
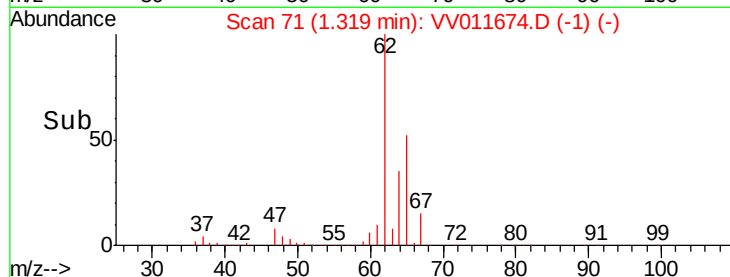
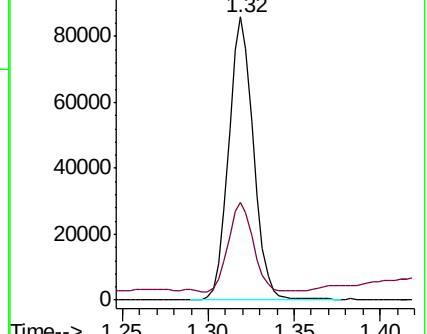
62 100

64 34.7 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.475 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.02 min

Lab File: VV011674.D

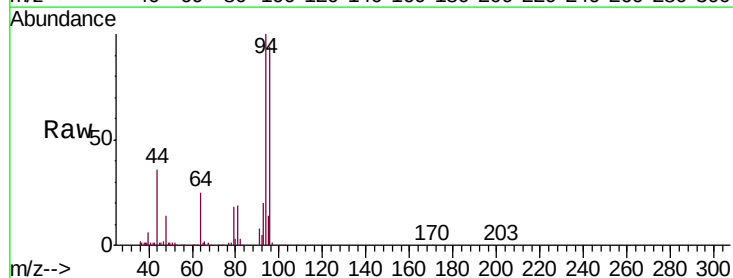
Acq: 21 Jun 2019 10:23

Tgt Ion: 94 Resp: 31516

Ion Ratio Lower Upper

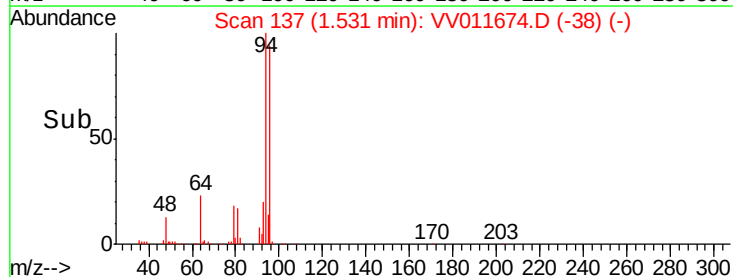
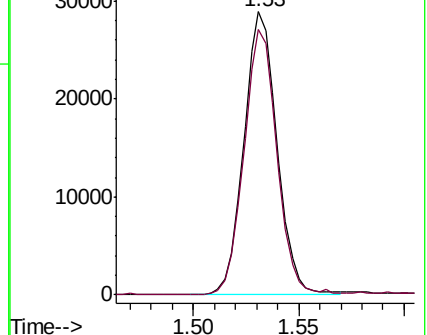
94 100

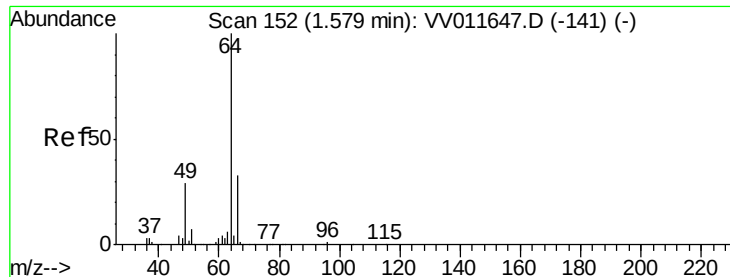
96 94.0 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.635 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.02 min

Lab File: VV011674.D

Acq: 21 Jun 2019 10:23

Instrument :

MSVOA_V

ClientSampleId :

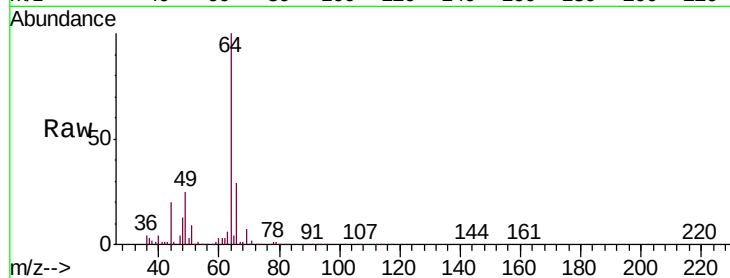
VSTD00544

Tgt Ion: 64 Resp: 47575

Ion Ratio Lower Upper

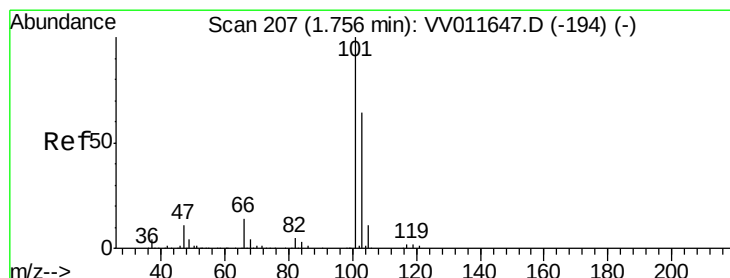
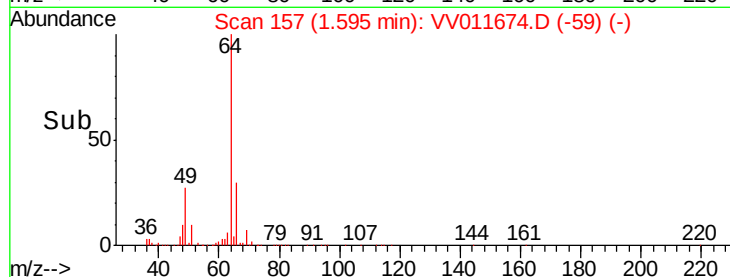
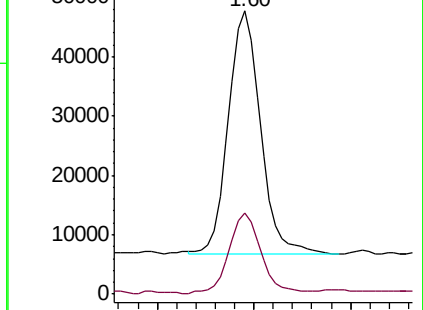
64 100

66 28.7 20.6 38.4



Abundance Ion 64.10 (63.80 to 64.80): VV011674.D (-157) (-)

Ion 66.05 (65.75 to 66.75): VV011674.D (-157) (-)



#9

Trichlorofluoromethane

Concen: 5.495 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV011674.D

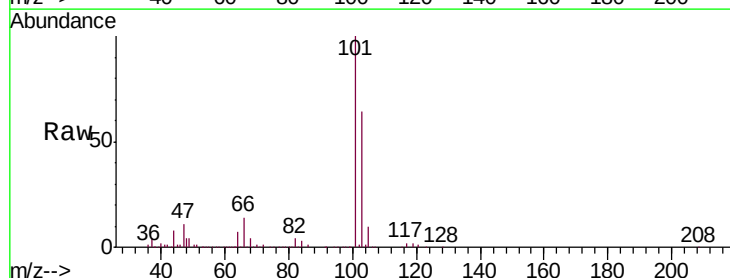
Acq: 21 Jun 2019 10:23

Tgt Ion: 101 Resp: 114876

Ion Ratio Lower Upper

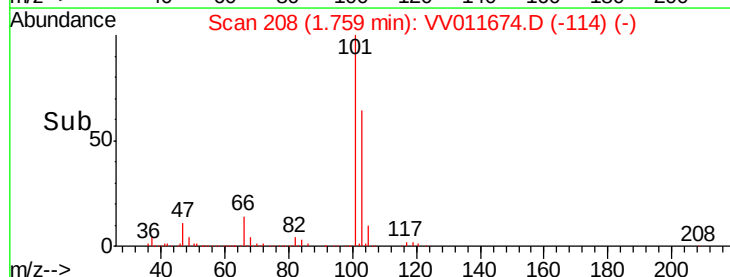
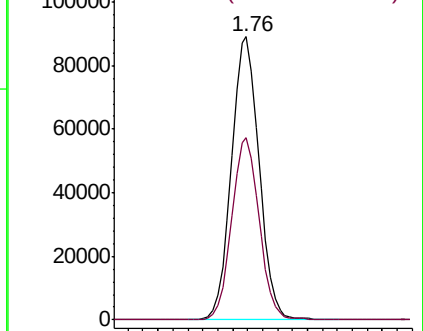
101 100

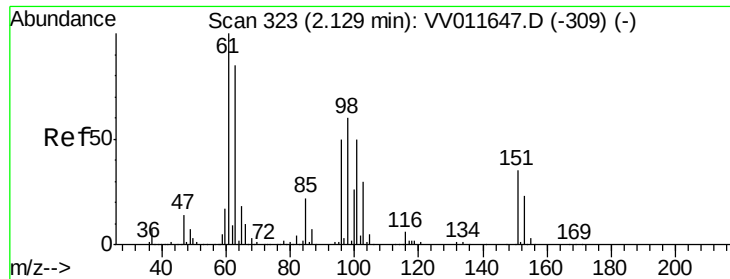
103 63.9 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VV011674.D (-208) (-)

Ion 103.00 (102.70 to 103.70): VV011674.D (-208) (-)





#10

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

Concen: 5.610 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV011674.D

Acq: 21 Jun 2019 10:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

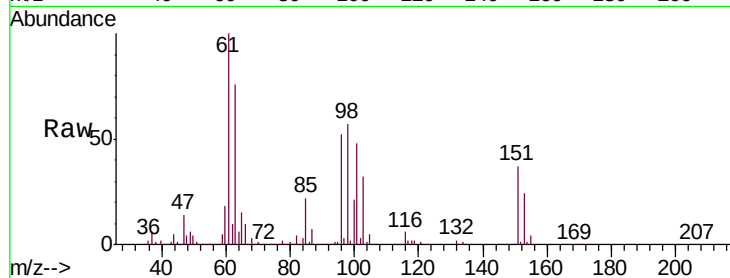
Tgt Ion:101 Resp: 66456

Ion Ratio Lower Upper

101 100

85 46.8 35.9 53.9

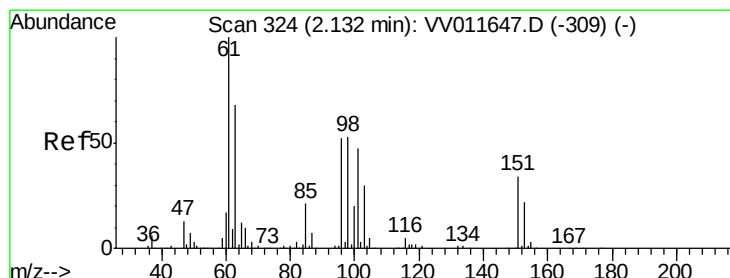
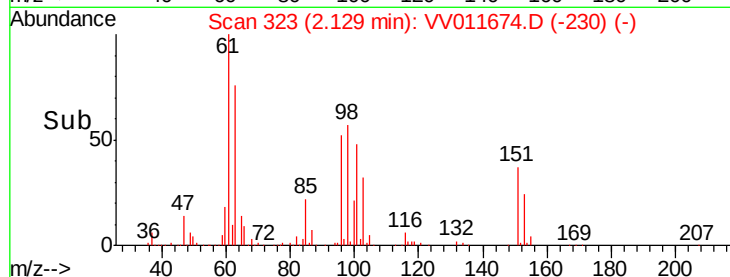
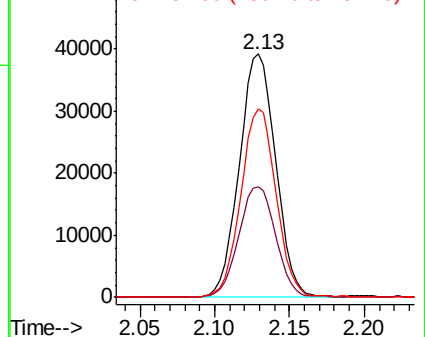
151 74.9 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.643 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV011674.D

Acq: 21 Jun 2019 10:23

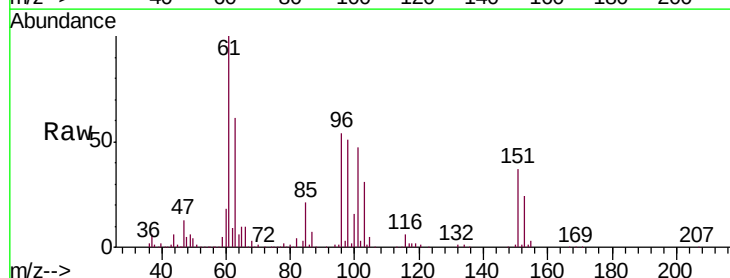
Tgt Ion: 96 Resp: 61021

Ion Ratio Lower Upper

96 100

61 186.3 131.5 244.1

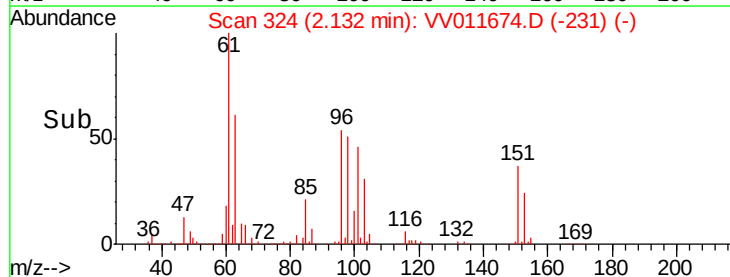
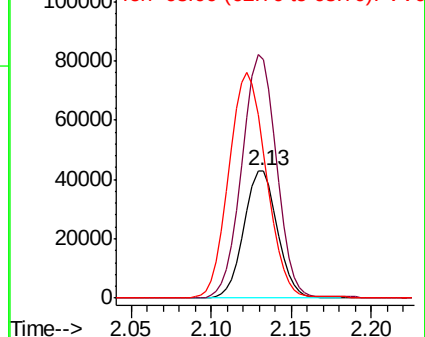
63 113.5 91.8 170.4

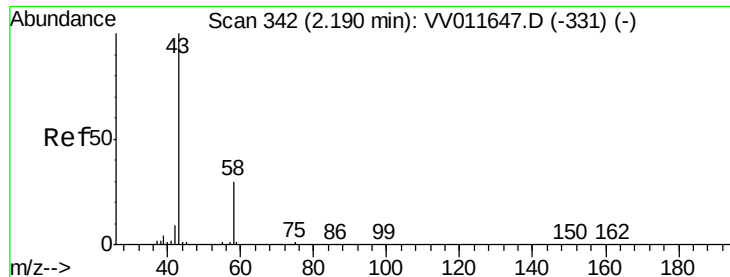


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 53.155 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.03 min

Lab File: VV011674.D

Acq: 21 Jun 2019 10:23

Instrument :

MSVOA_V

ClientSampleId :

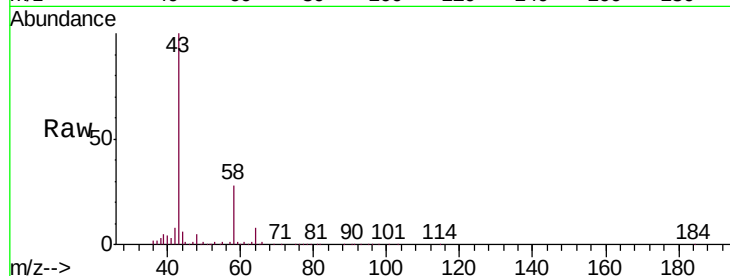
VSTD00544

Tgt Ion: 43 Resp: 117297

Ion Ratio Lower Upper

43 100

58 28.6 0.0 56.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.22

40000

30000

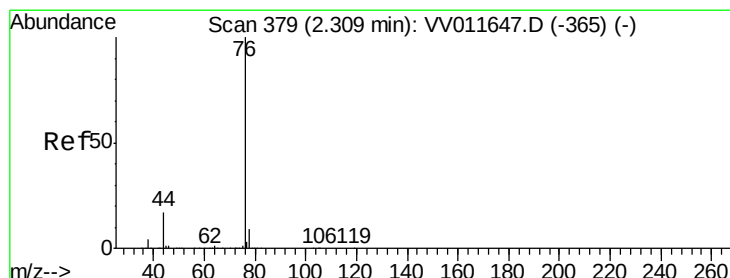
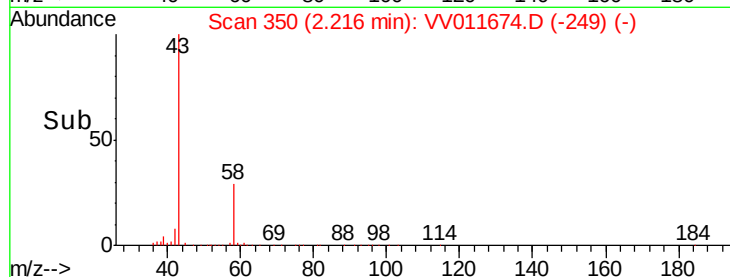
20000

10000

0

Time-->

2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 5.425 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV011674.D

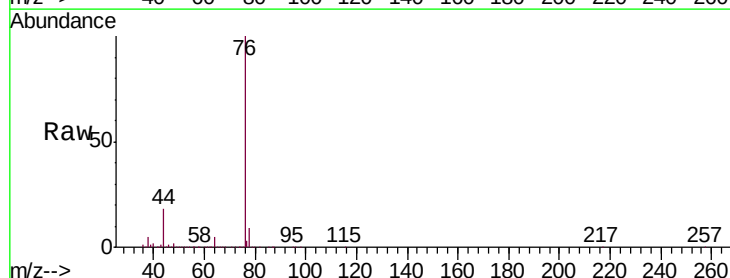
Acq: 21 Jun 2019 10:23

Tgt Ion: 76 Resp: 157894

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

120000

100000

80000

60000

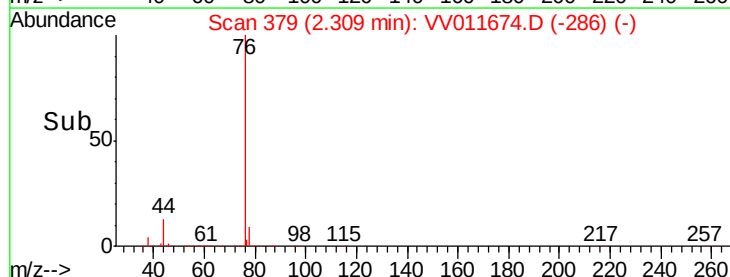
40000

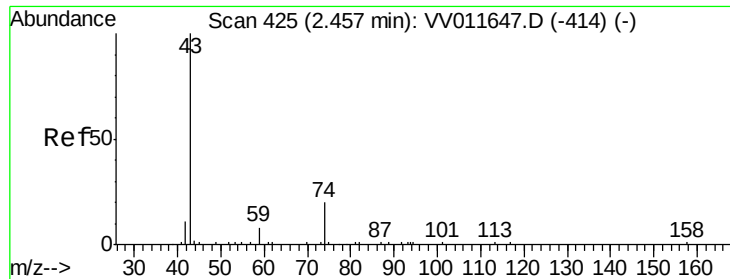
20000

0

Time-->

2.25 2.30 2.35

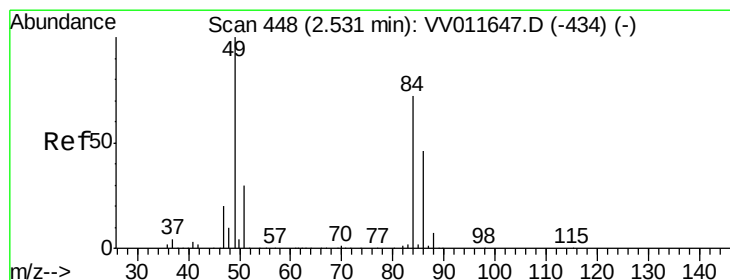
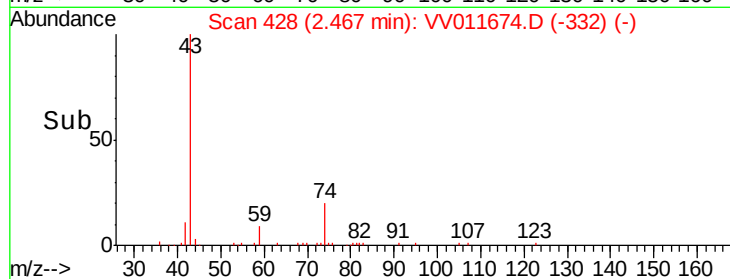
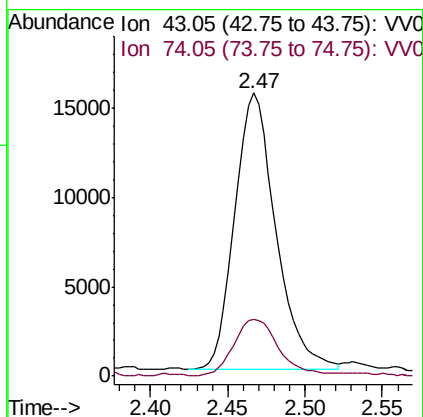
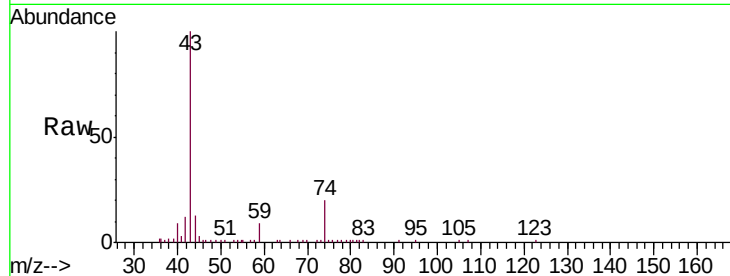




#15
Methyl Acetate
Concen: 5.220 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VV011674.D
Acq: 21 Jun 2019 10:23

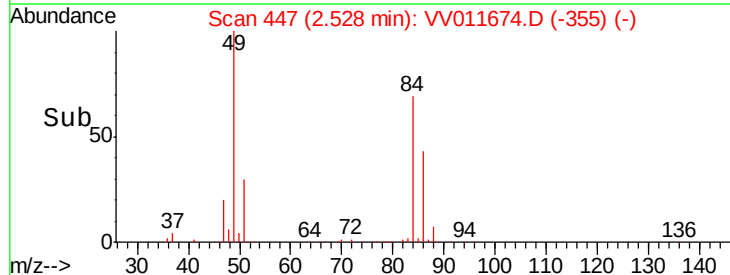
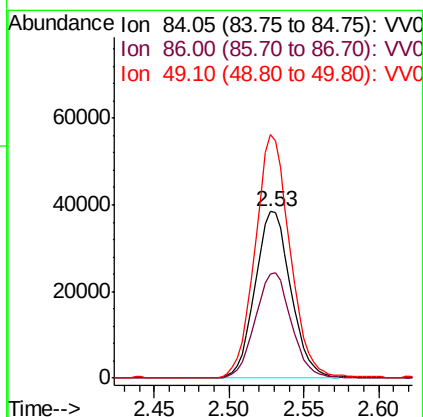
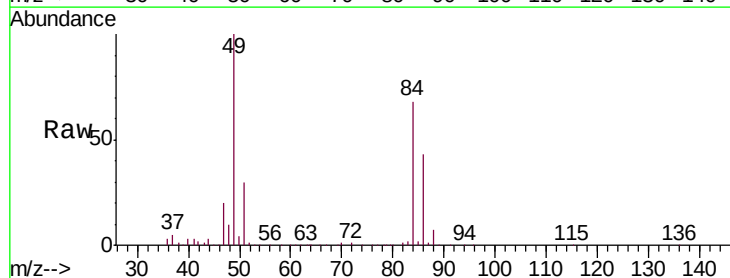
Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

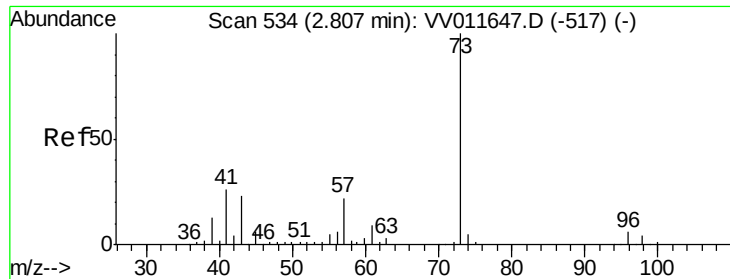
Tgt Ion: 43 Resp: 28684
Ion Ratio Lower Upper
43 100
74 22.4 16.2 24.2



#16
Methylene chloride
Concen: 5.304 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV011674.D
Acq: 21 Jun 2019 10:23

Tgt Ion: 84 Resp: 63913
Ion Ratio Lower Upper
84 100
86 62.3 44.9 83.5
49 146.2 101.4 188.2

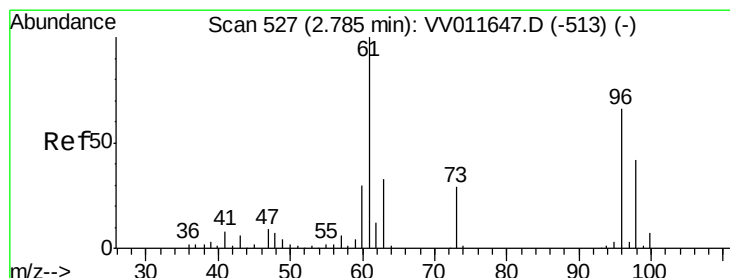
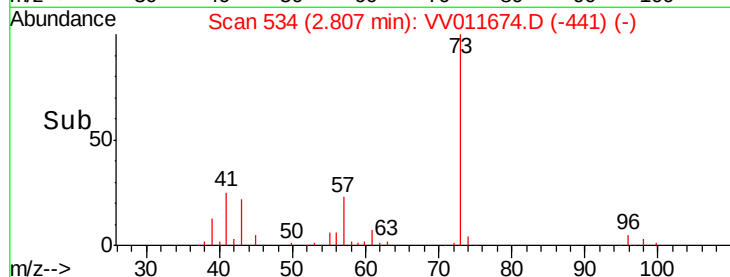
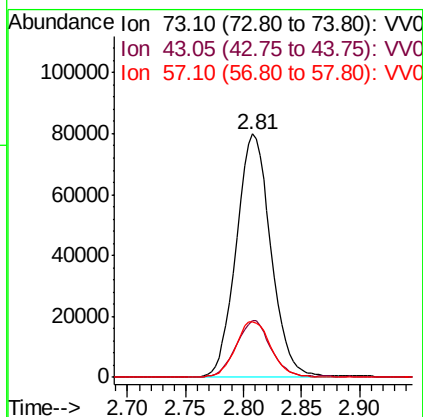
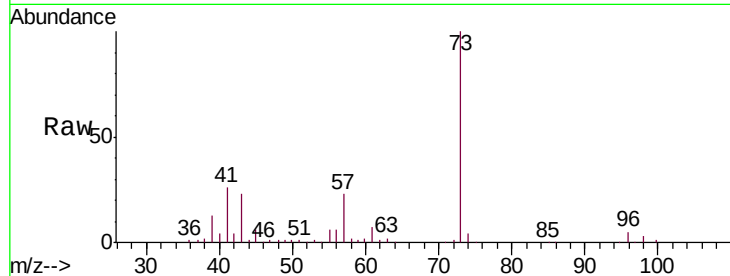




#17
Methyl tert-butyl Ether
Concen: 5.604 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV011674.D
Acq: 21 Jun 2019 10:23

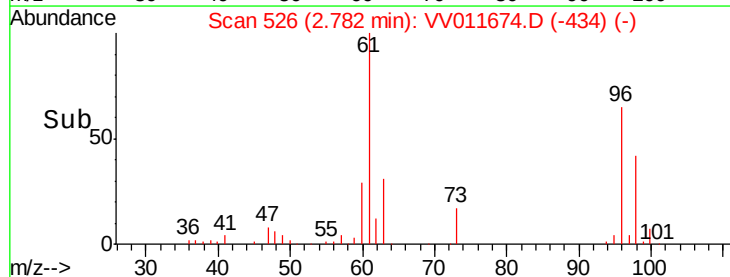
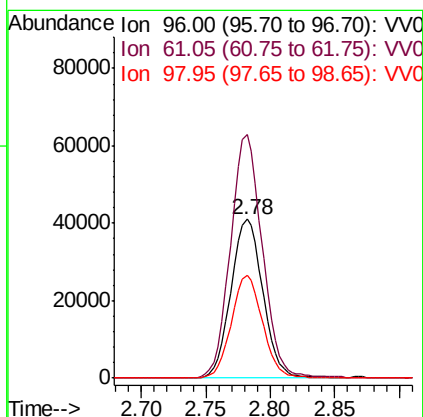
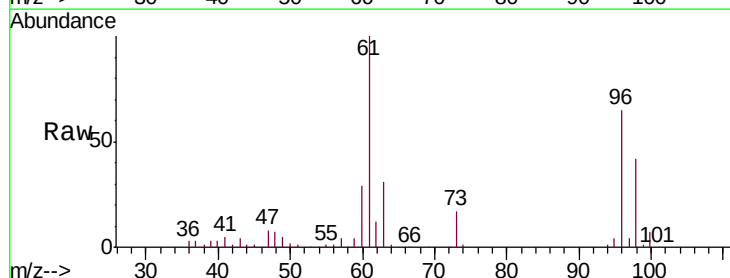
Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

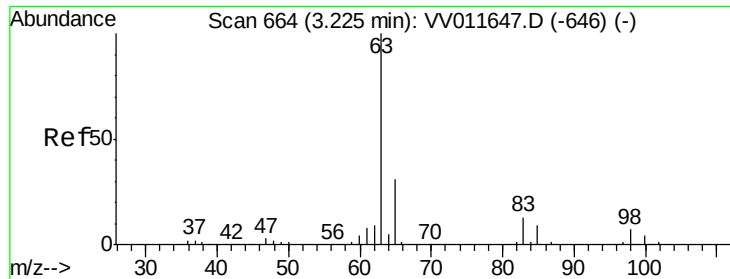
Tgt Ion: 73 Resp: 165753
Ion Ratio Lower Upper
73 100
43 23.6 18.9 28.3
57 23.6 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 5.584 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV011674.D
Acq: 21 Jun 2019 10:23

Tgt Ion: 96 Resp: 70996
Ion Ratio Lower Upper
96 100
61 153.4 109.3 203.1
98 64.6 44.6 82.8

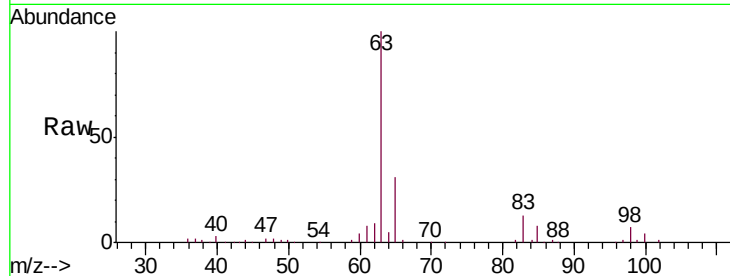




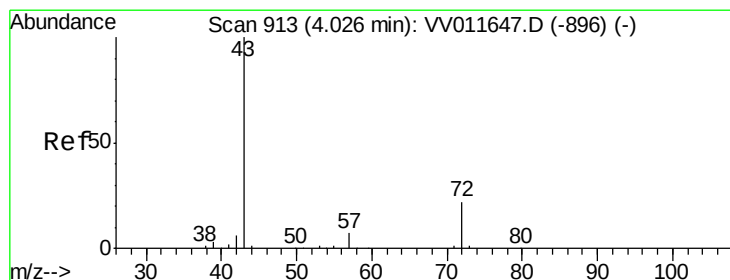
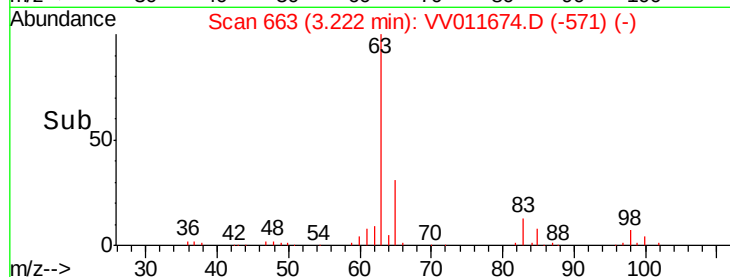
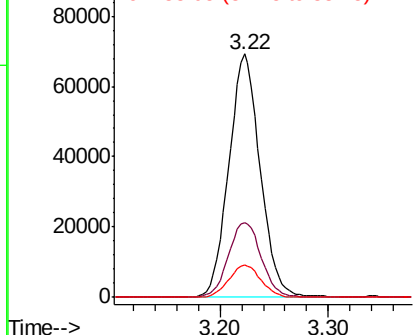
#19
 1,1-Dichloroethane
 Concen: 5.552 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV011674.D
 Acq: 21 Jun 2019 10:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

Tgt Ion: 63 Resp: 140303
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.0 42.8
 83 13.2 9.5 17.7

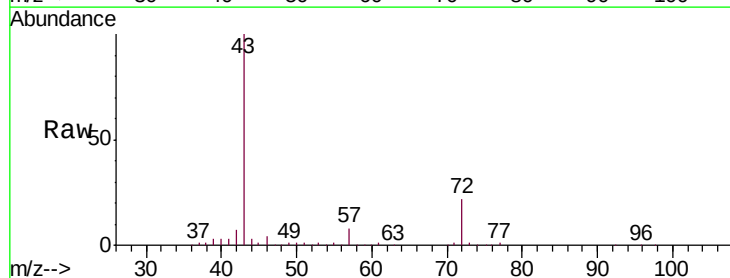


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

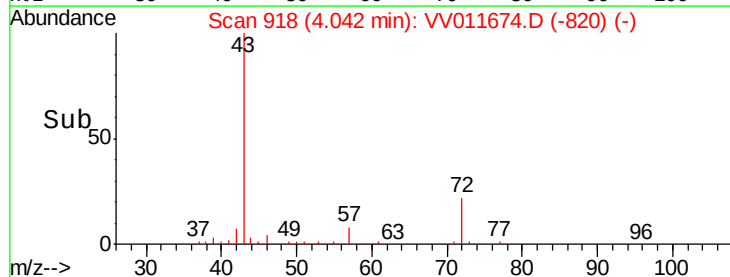
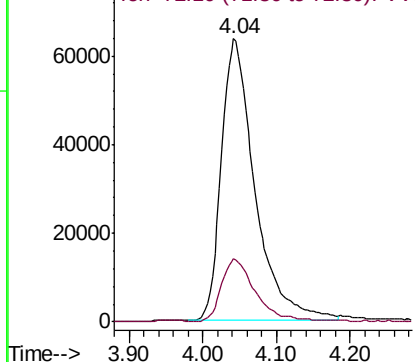


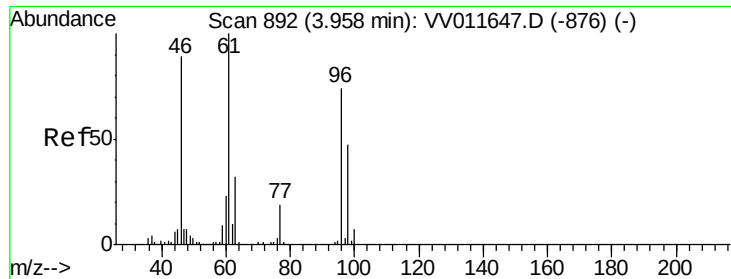
#21
 2-Butanone
 Concen: 56.607 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. 0.02 min
 Lab File: VV011674.D
 Acq: 21 Jun 2019 10:23

Tgt Ion: 43 Resp: 201256
 Ion Ratio Lower Upper
 43 100
 72 22.1 10.9 32.6



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0



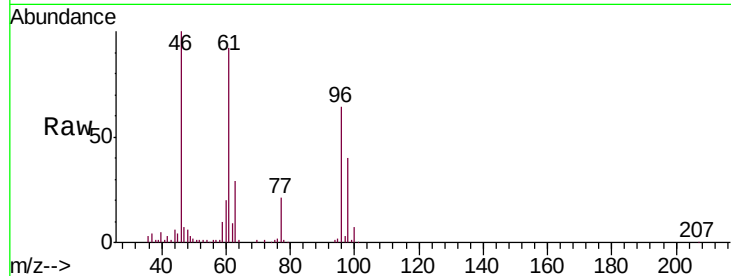


#22

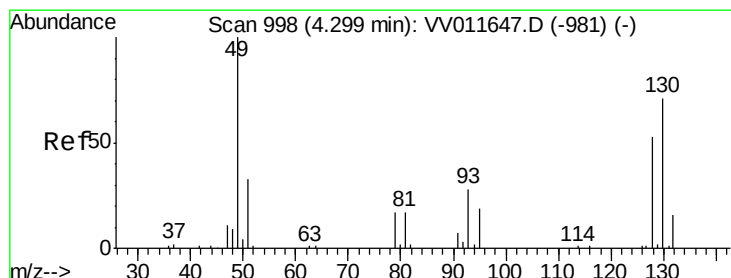
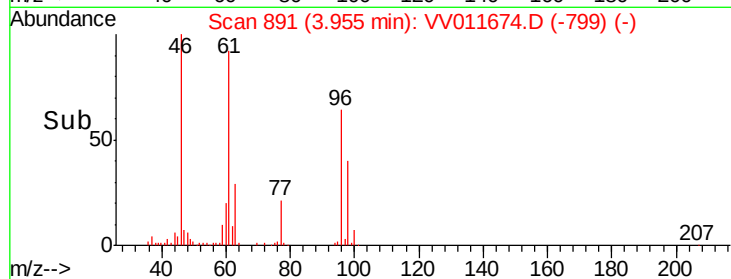
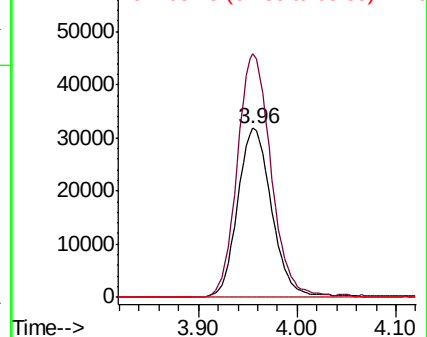
cis-1,2-Dichloroethene
Concen: 5.456 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV011674.D
Acq: 21 Jun 2019 10:23

Instrument :
MSVOA_V
ClientSampled :
VSTD00544

Tgt Ion: 96 Resp: 76221
Ion Ratio Lower Upper
96 100
61 144.2 97.9 181.7
68 0.0 0.0 0.0



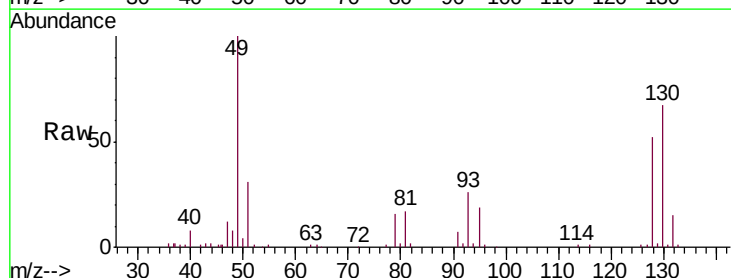
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



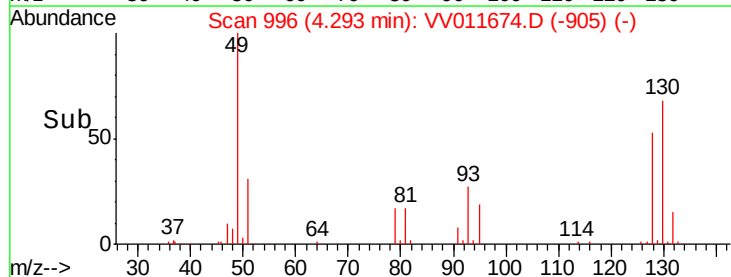
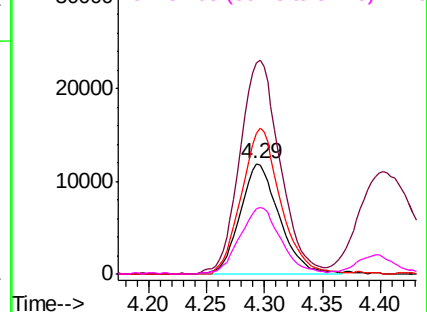
#23

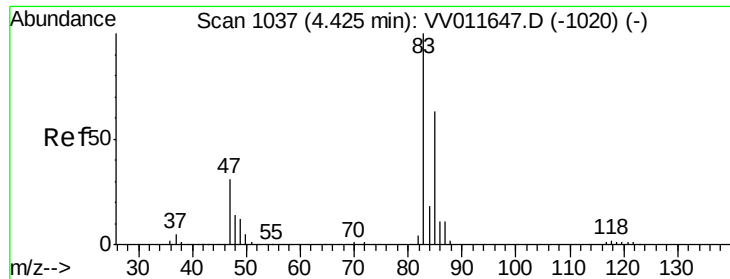
Bromochloromethane
Concen: 5.320 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.01 min
Lab File: VV011674.D
Acq: 21 Jun 2019 10:23

Tgt Ion: 128 Resp: 28006
Ion Ratio Lower Upper
128 100
49 191.3 134.8 250.4
130 128.0 91.2 169.4
51 59.1 47.2 70.8



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

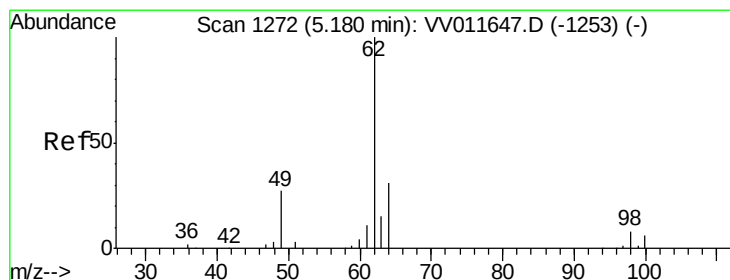
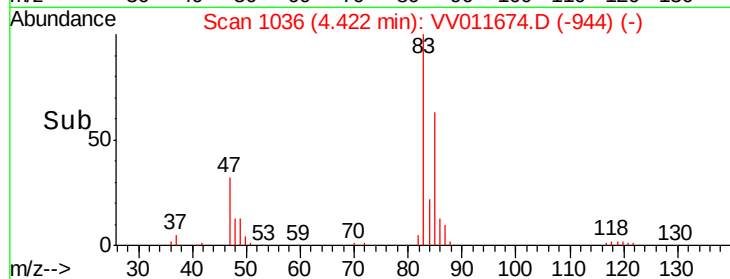
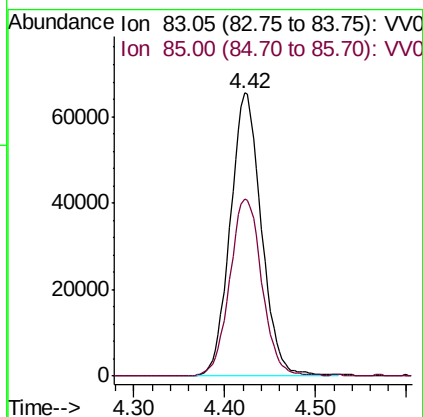
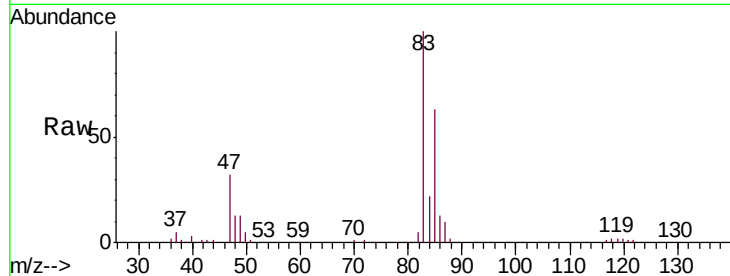




#25
Chloroform
Concen: 5.615 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV011674.D
Acq: 21 Jun 2019 10:23

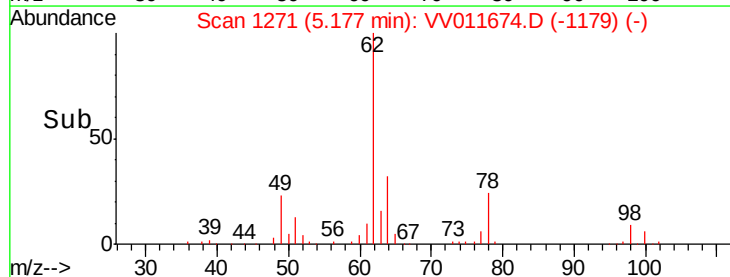
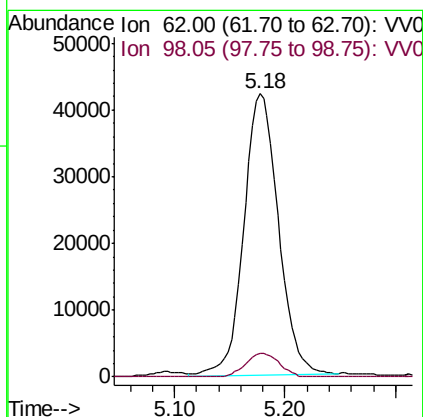
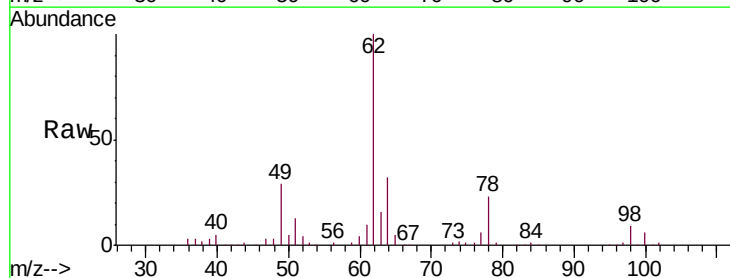
Instrument :
MSVOA_V
ClientSampled :
VSTD00544

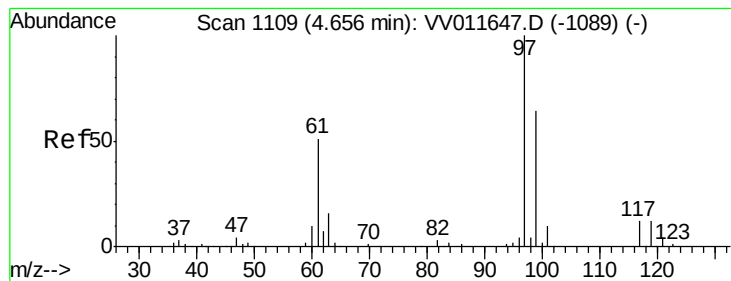
Tgt Ion: 83 Resp: 155781
Ion Ratio Lower Upper
83 100
85 62.7 47.0 87.2



#27
1,2-Dichloroethane
Concen: 5.440 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV011674.D
Acq: 21 Jun 2019 10:23

Tgt Ion: 62 Resp: 91462
Ion Ratio Lower Upper
62 100
98 8.5 6.2 9.4





#29

1,1,1-Trichloroethane

Concen: 5.661 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VV011674.D

Acq: 21 Jun 2019 10:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

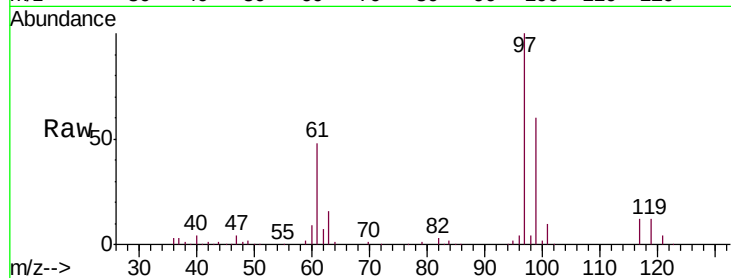
Tgt Ion: 97 Resp: 118399

Ion Ratio Lower Upper

97 100

99 63.1 51.6 77.4

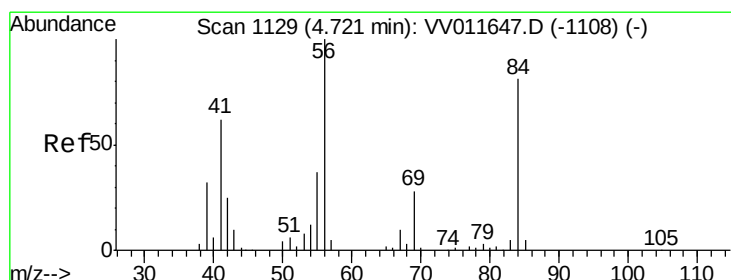
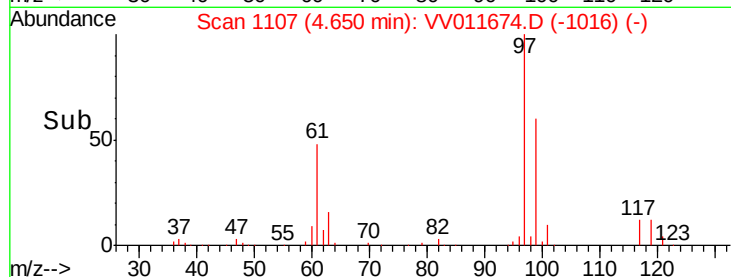
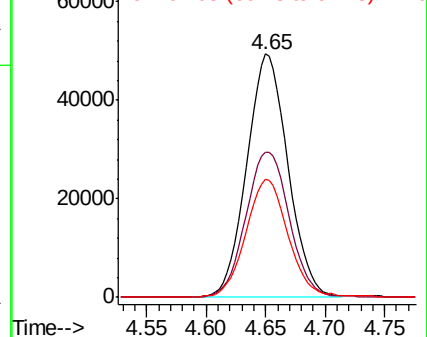
61 49.6 39.8 59.6



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 5.524 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VV011674.D

Acq: 21 Jun 2019 10:23

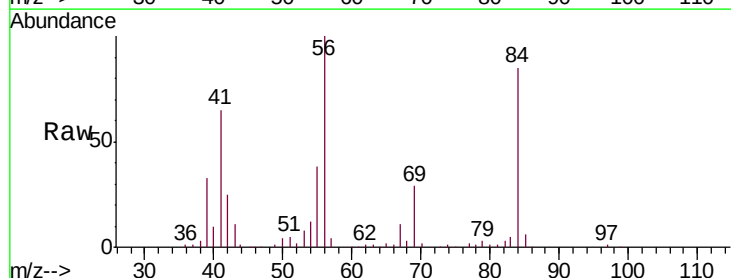
Tgt Ion: 56 Resp: 131953

Ion Ratio Lower Upper

56 100

69 30.2 23.2 34.8

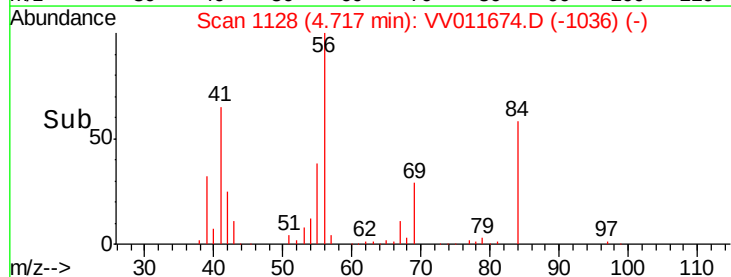
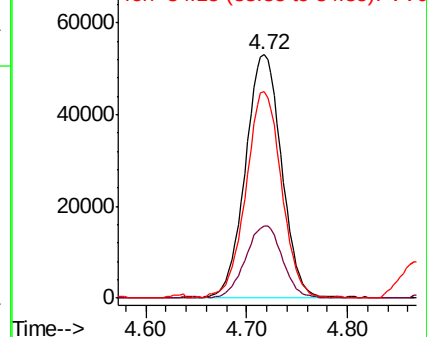
84 82.2 65.0 97.4

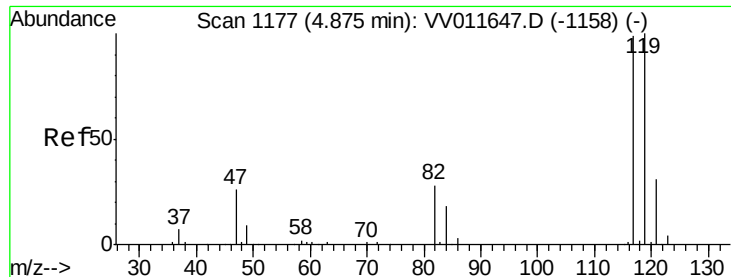


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.705 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VV011674.D

Acq: 21 Jun 2019 10:23

Instrument :

MSVOA_V

ClientSampleId :

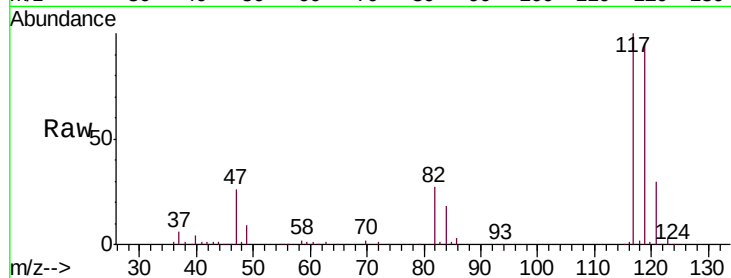
VSTD00544

Tgt Ion:117 Resp: 100856

Ion Ratio Lower Upper

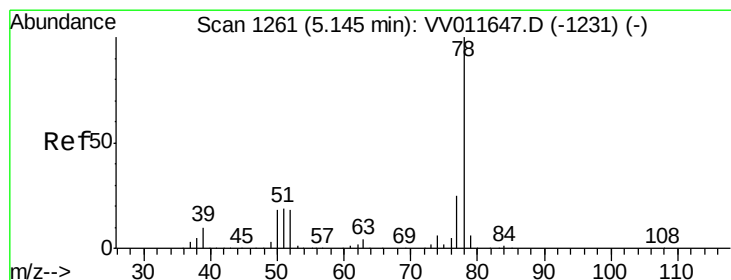
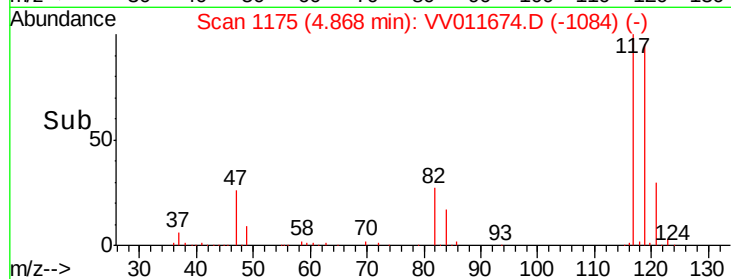
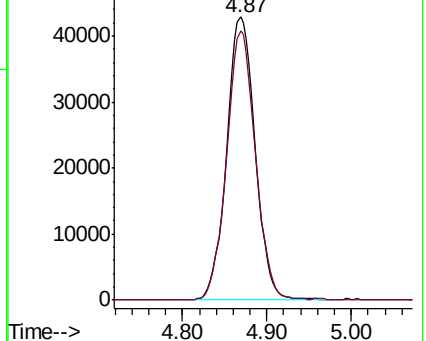
117 100

119 95.8 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.699 ug/L

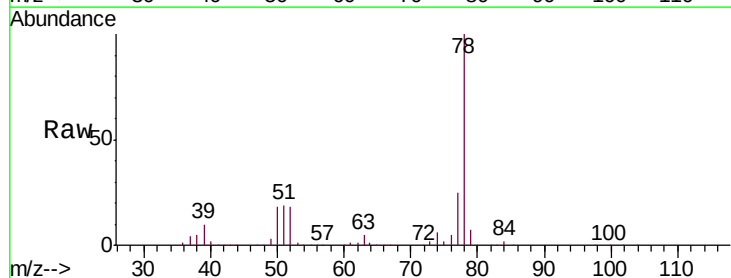
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

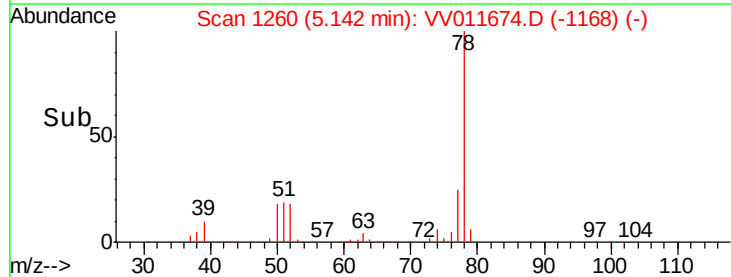
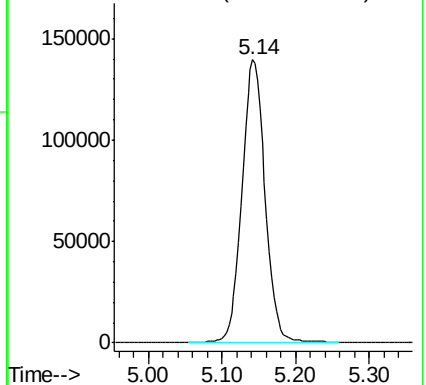
Lab File: VV011674.D

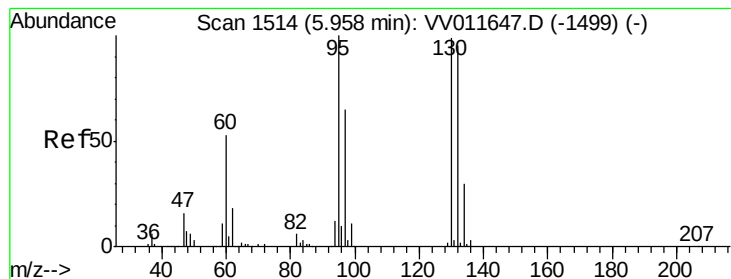
Acq: 21 Jun 2019 10:23

Tgt Ion: 78 Resp: 306868



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.454 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011674.D

Acq: 21 Jun 2019 10:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

Tgt Ion: 95 Resp: 77883

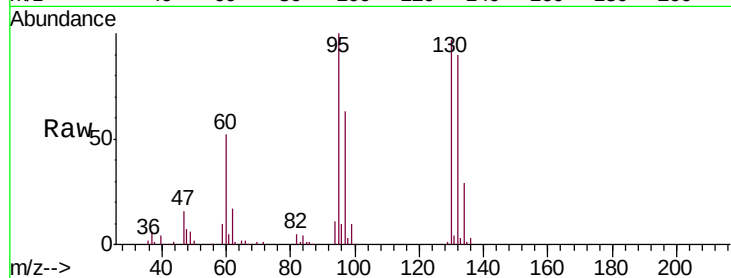
Ion Ratio Lower Upper

95 100

97 63.1 44.4 82.5

132 90.4 65.0 120.6

130 97.1 67.1 124.7

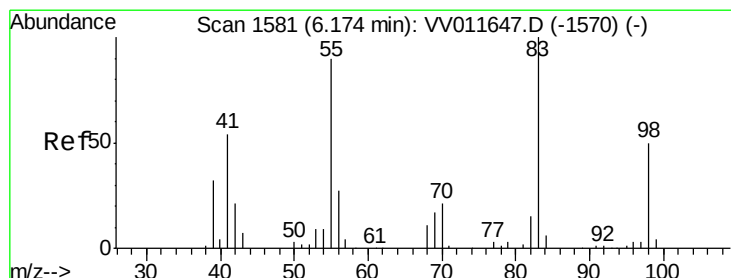
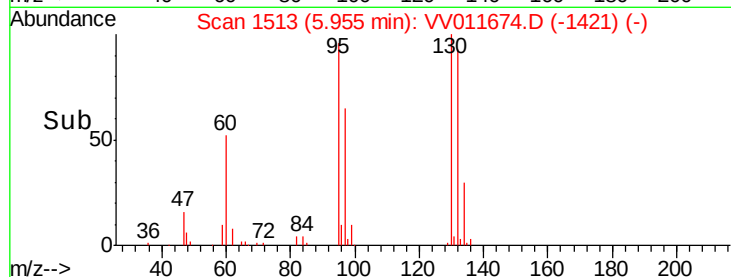
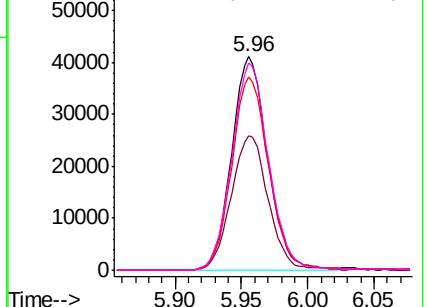


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.744 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV011674.D

Acq: 21 Jun 2019 10:23

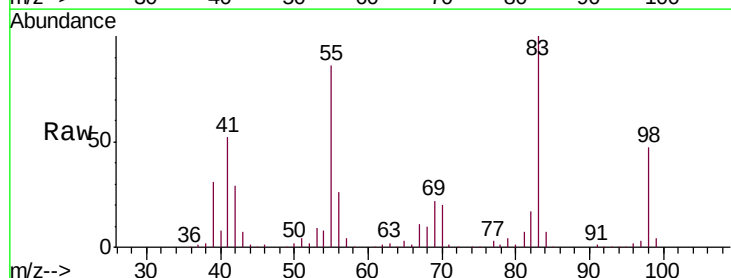
Tgt Ion: 83 Resp: 132414

Ion Ratio Lower Upper

83 100

55 84.7 69.4 104.2

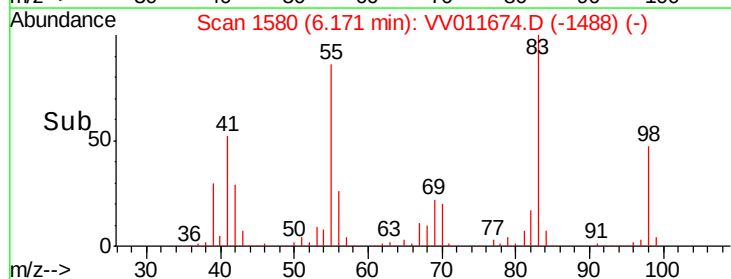
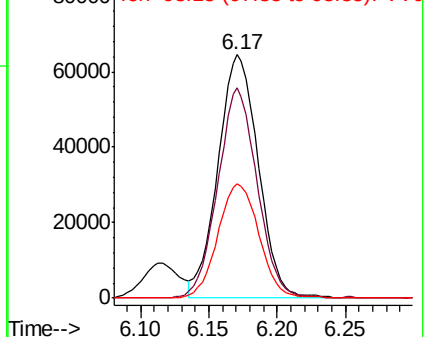
98 47.2 40.2 60.4

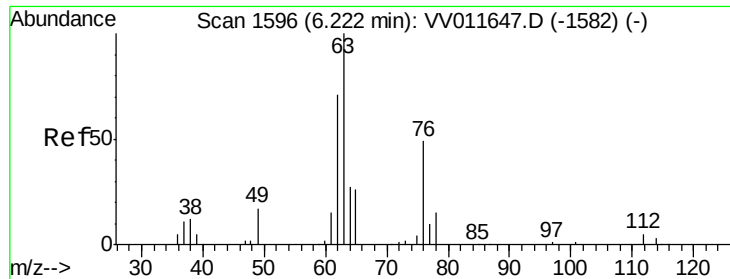


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

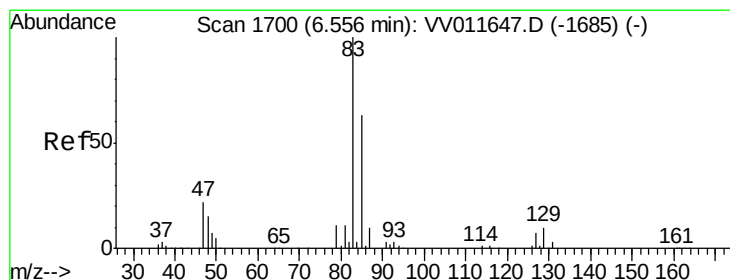
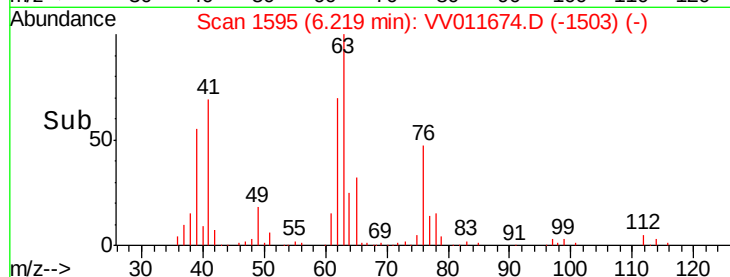
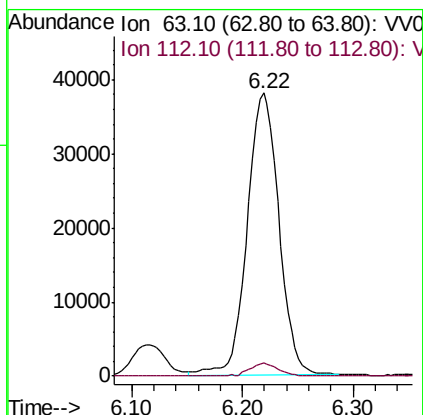
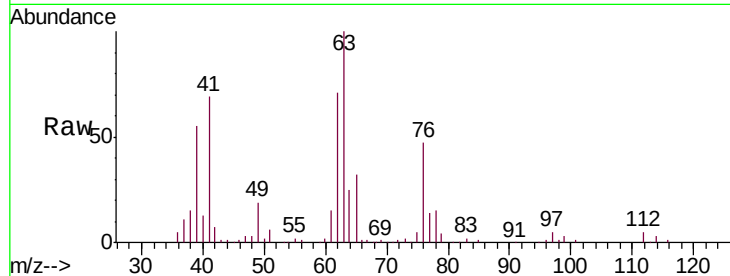




#37
 1,2-Dichloropropane
 Concen: 5.547 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV011674.D
 Acq: 21 Jun 2019 10:23

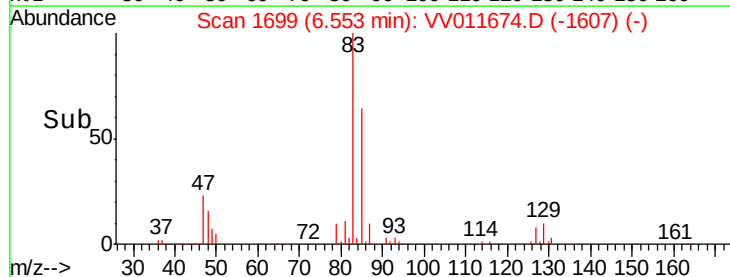
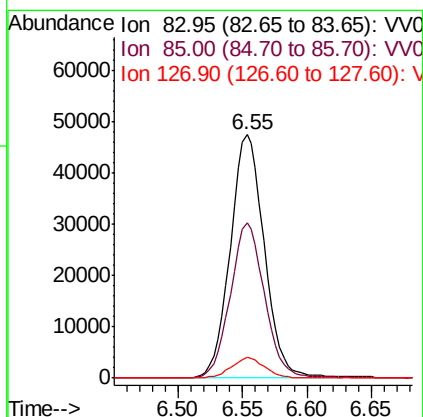
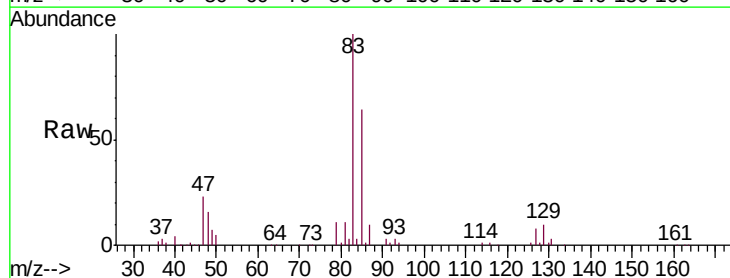
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

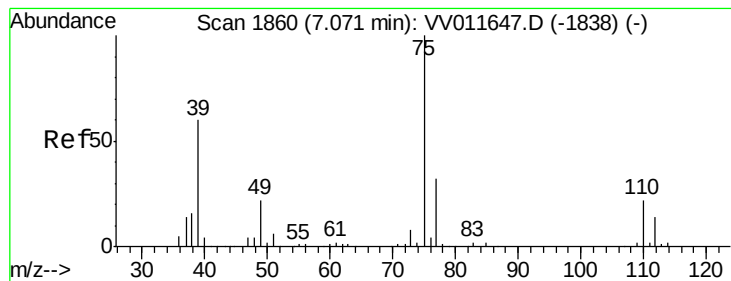
Tgt Ion: 63 Resp: 75838
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.4 5.2



#38
 Bromodichloromethane
 Concen: 5.585 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV011674.D
 Acq: 21 Jun 2019 10:23

Tgt Ion: 83 Resp: 87084
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.5 82.7
 127 8.3 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 5.723 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV011674.D

Acq: 21 Jun 2019 10:23

Instrument :

MSVOA_V

ClientSampleId :

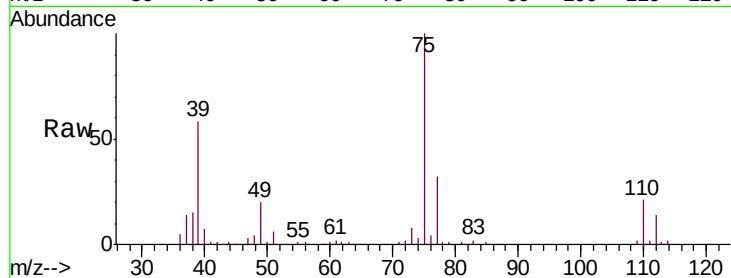
VSTD00544

Tgt Ion: 75 Resp: 102685

Ion Ratio Lower Upper

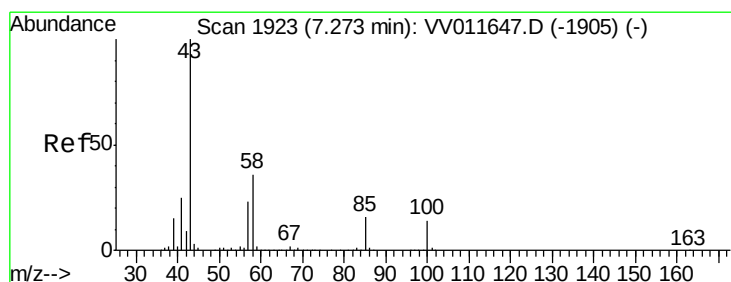
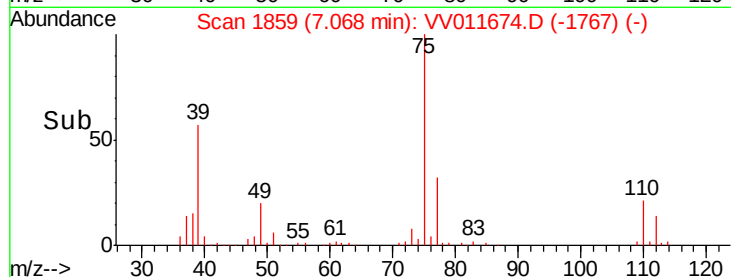
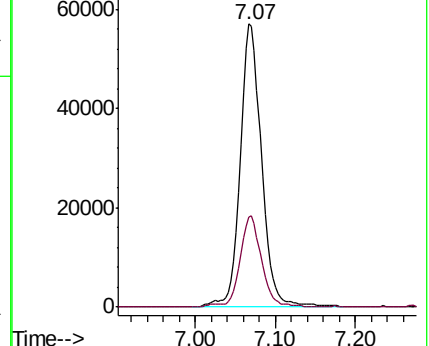
75 100

77 31.7 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 57.602 ug/L

RT: 7.28 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV011674.D

Acq: 21 Jun 2019 10:23

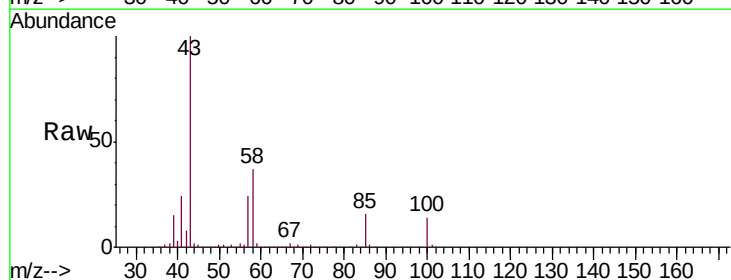
Tgt Ion: 43 Resp: 494000

Ion Ratio Lower Upper

43 100

58 35.7 28.6 43.0

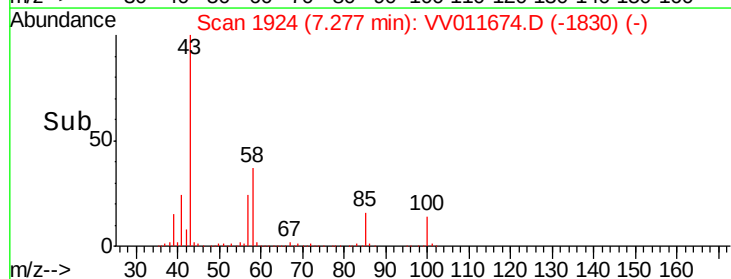
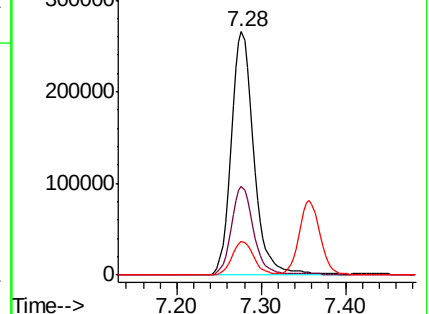
100 13.4 10.7 16.1

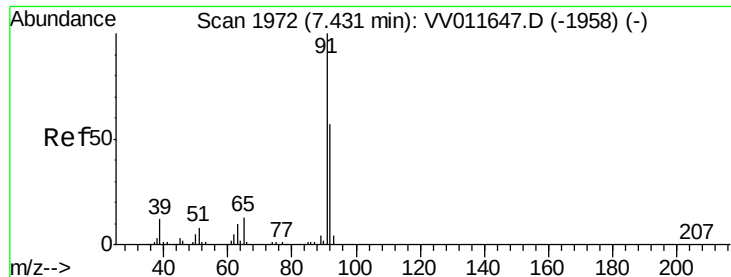


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 5.744 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011674.D

Acq: 21 Jun 2019 10:23

Instrument :

MSVOA_V

ClientSampleId :

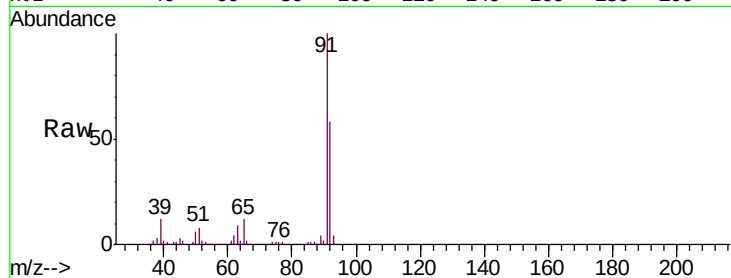
VSTD00544

Tgt Ion: 91 Resp: 323212

Ion Ratio Lower Upper

91 100

92 58.4 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

200000

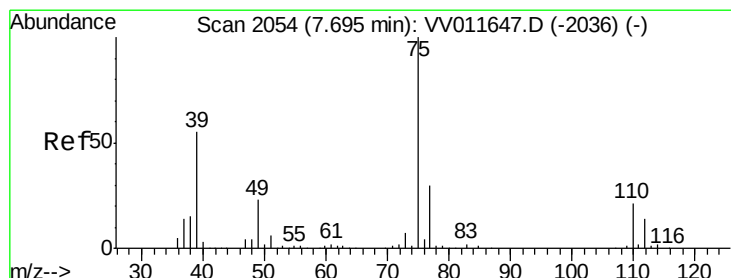
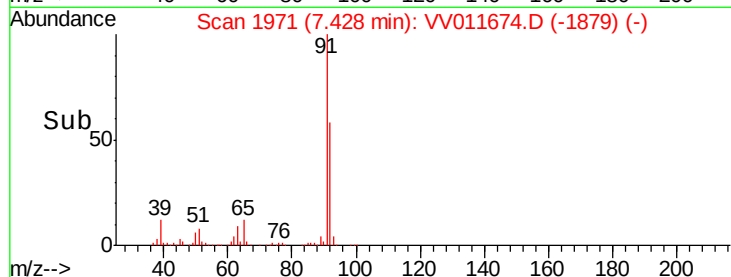
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.850 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV011674.D

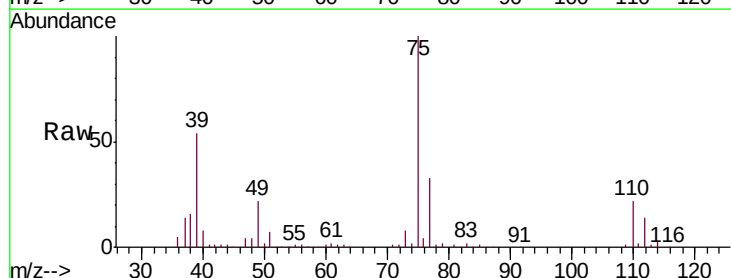
Acq: 21 Jun 2019 10:23

Tgt Ion: 75 Resp: 77740

Ion Ratio Lower Upper

75 100

77 32.7 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

50000

40000

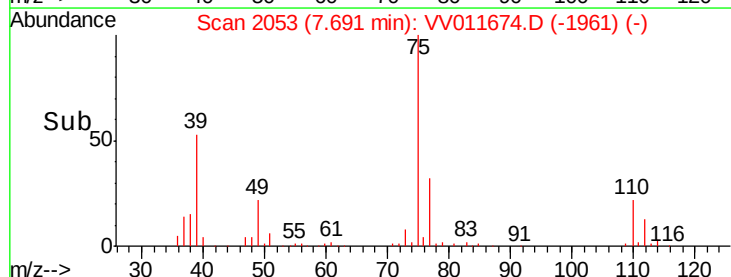
30000

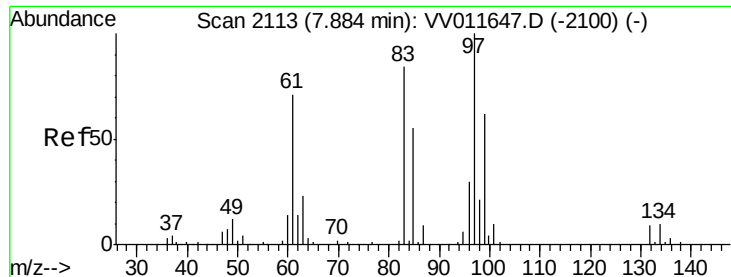
20000

10000

0

Time-->

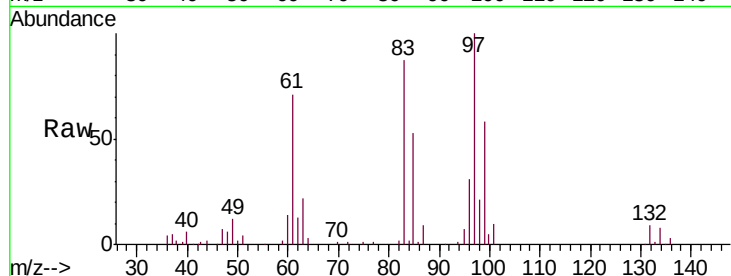




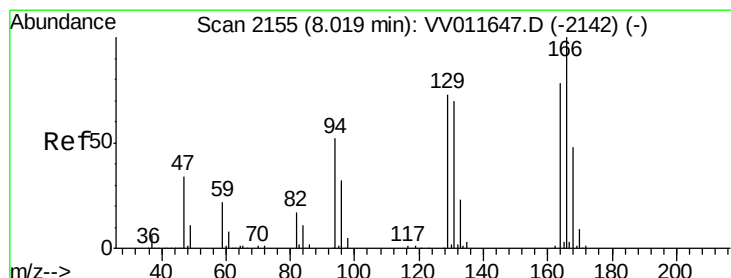
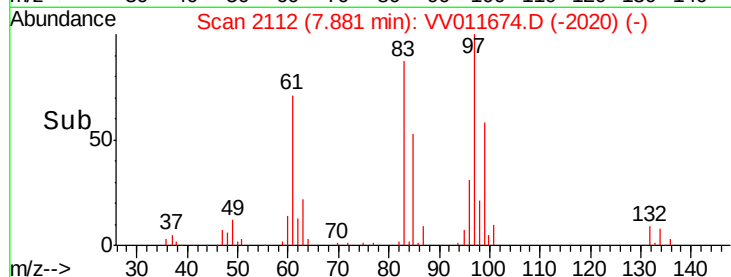
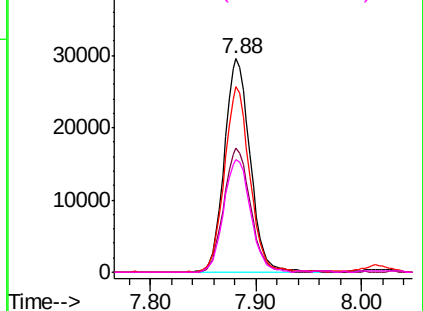
#45
 1,1,2-Trichloroethane
 Concen: 5.765 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV011674.D
 Acq: 21 Jun 2019 10:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

Tgt Ion:	97	Resp:	50030
Ion	Ratio	Lower	Upper
97	100		
99	58.3	45.7	84.9
83	87.1	65.0	120.6
85	52.9	42.4	78.6

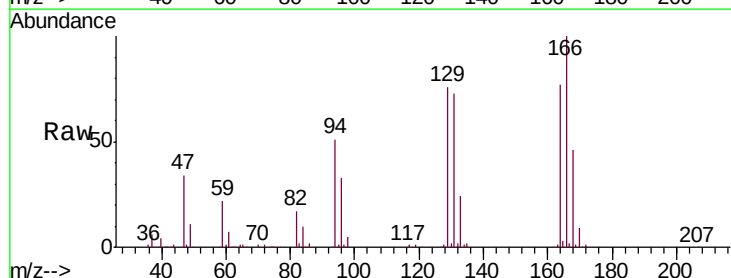


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

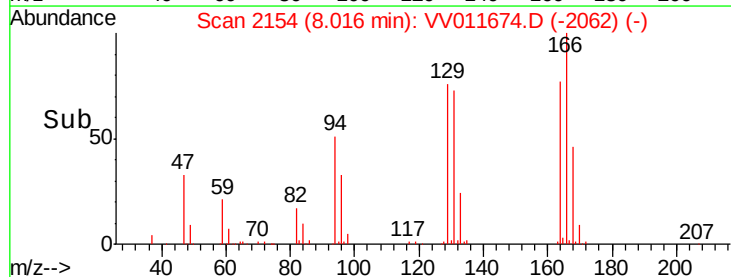
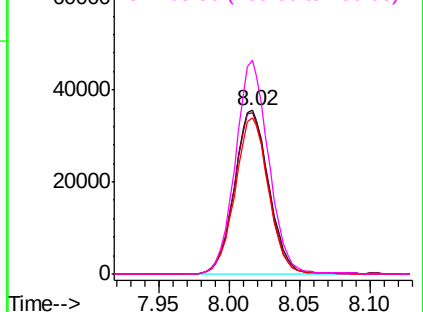


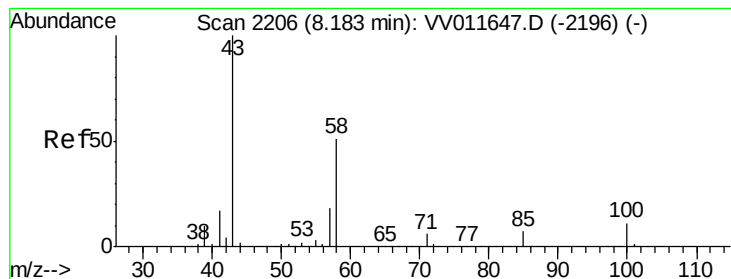
#47
 Tetrachloroethene
 Concen: 5.714 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV011674.D
 Acq: 21 Jun 2019 10:23

Tgt Ion:	164	Resp:	60767
Ion	Ratio	Lower	Upper
164	100		
129	98.7	69.7	129.5
131	95.8	64.6	120.0
166	130.5	86.4	160.4



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V





#48

2-Hexanone

Concen: 58.006 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. 0.01 min

Lab File: VV011674.D

Acq: 21 Jun 2019 10:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

Tgt Ion: 43 Resp: 349774

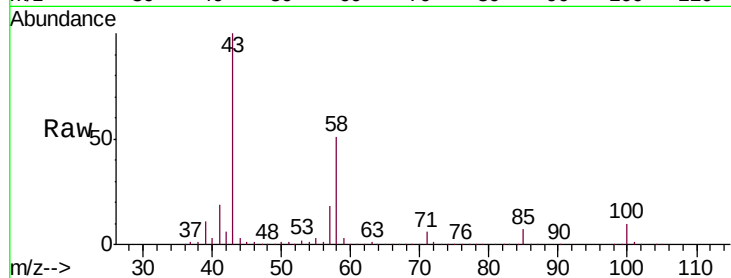
Ion Ratio Lower Upper

43 100

58 50.6 40.1 60.1

57 17.8 14.4 21.6

100 10.6 8.6 12.8

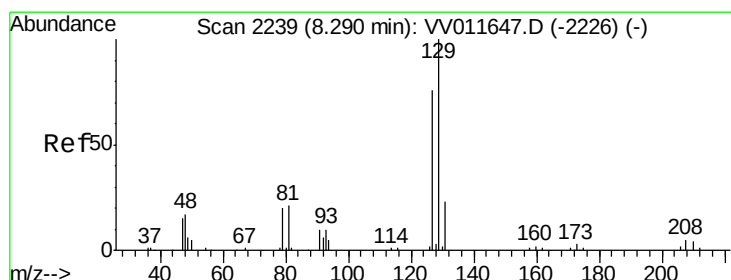
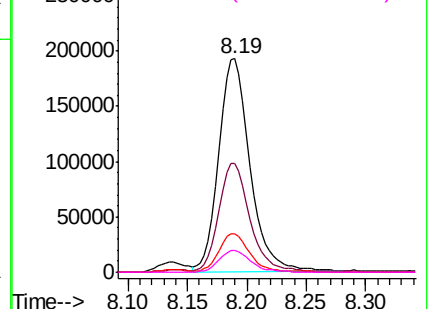
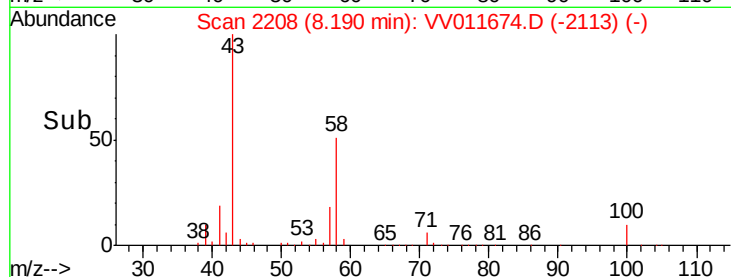


Abundance Ion 43.05 (42.75 to 43.75): VV011674.D (-2196) (-)

Ion 58.05 (57.75 to 58.75): VV011674.D (-2196) (-)

Ion 57.20 (56.90 to 57.90): VV011674.D (-2196) (-)

Ion 100.15 (99.85 to 100.85): VV011674.D (-2196) (-)



#49

Dibromochloromethane

Concen: 5.945 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV011674.D

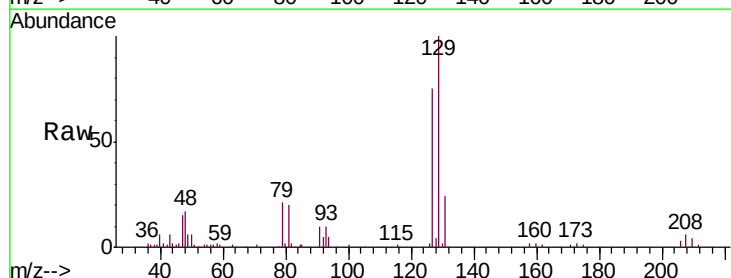
Acq: 21 Jun 2019 10:23

Tgt Ion: 129 Resp: 51852

Ion Ratio Lower Upper

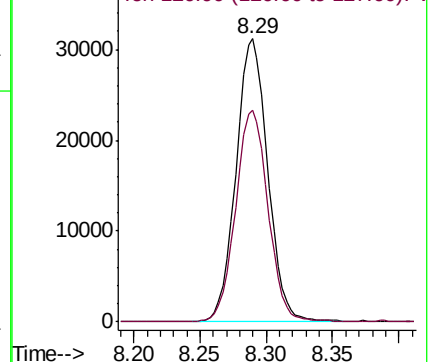
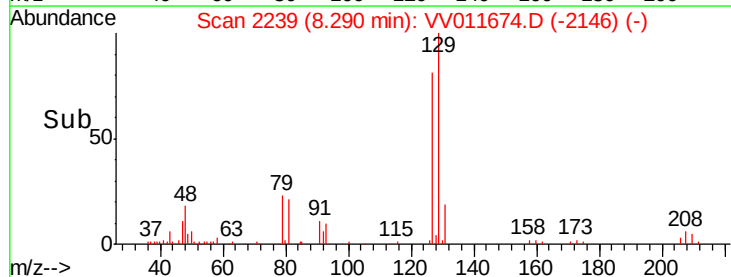
129 100

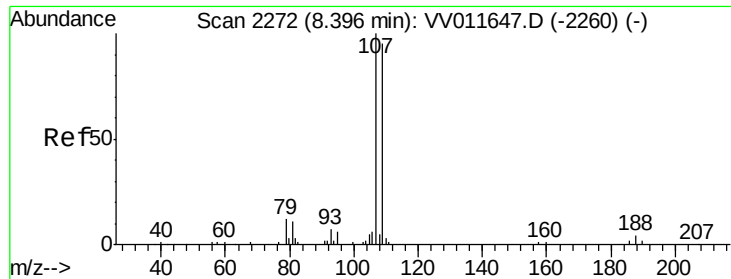
127 74.8 53.5 99.5



Abundance Ion 128.95 (128.65 to 129.65): VV011674.D (-2226) (-)

Ion 126.90 (126.60 to 127.60): VV011674.D (-2226) (-)

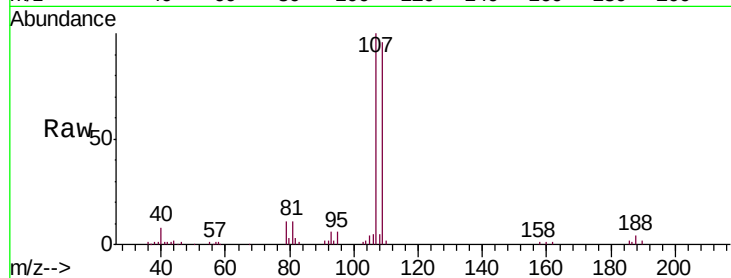




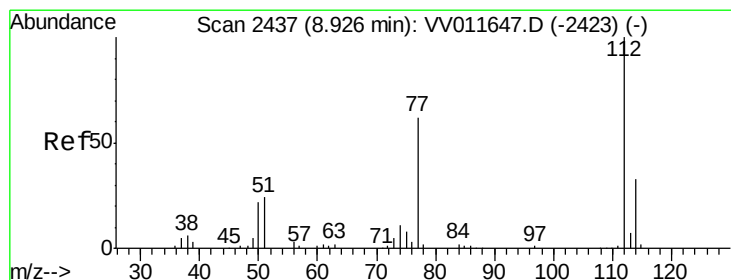
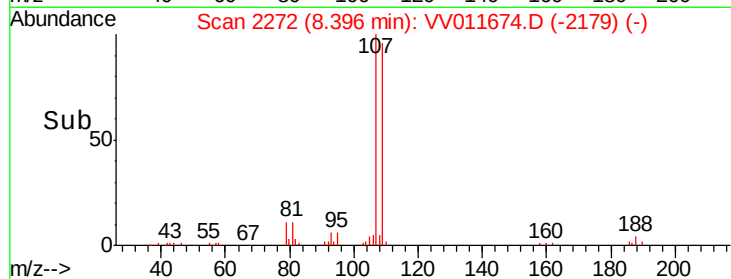
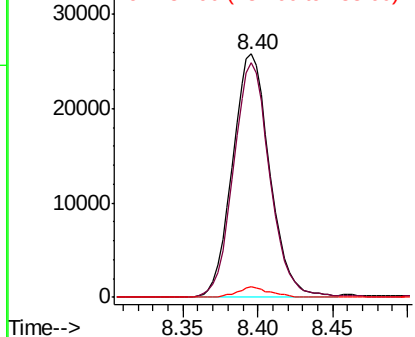
#50
1,2-Dibromoethane
Concen: 5.637 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV011674.D
Acq: 21 Jun 2019 10:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

Tgt Ion:107 Resp: 44671
Ion Ratio Lower Upper
107 100
109 96.2 66.7 123.9
188 4.4 2.6 3.8#

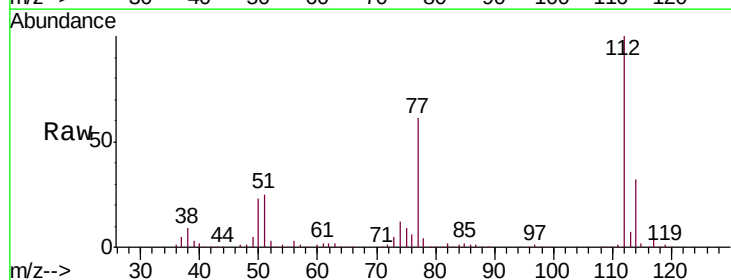


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

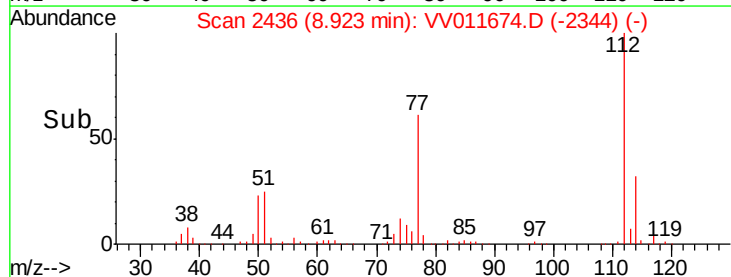
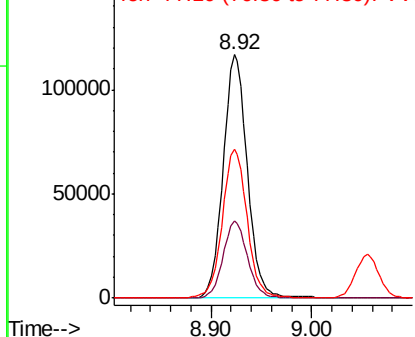


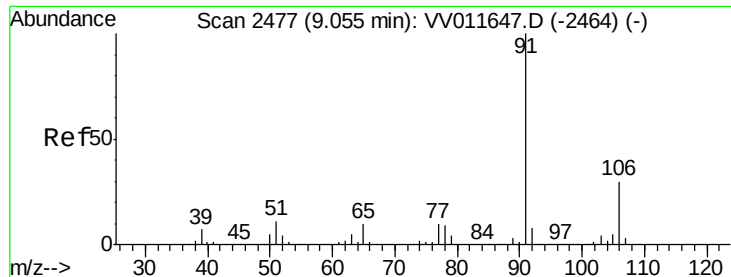
#51
Chlorobenzene
Concen: 5.608 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV011674.D
Acq: 21 Jun 2019 10:23

Tgt Ion:112 Resp: 195646
Ion Ratio Lower Upper
112 100
114 31.6 23.0 42.8
77 61.2 50.0 75.0



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): V





#52

Ethylbenzene

Concen: 5.717 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011674.D

Acq: 21 Jun 2019 10:23

Instrument :

MSVOA_V

ClientSampleId :

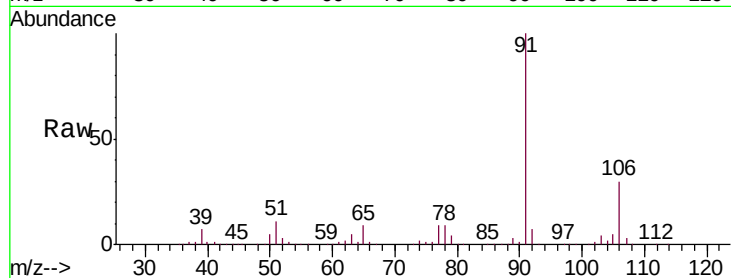
VSTD00544

Tgt Ion: 91 Resp: 355032

Ion Ratio Lower Upper

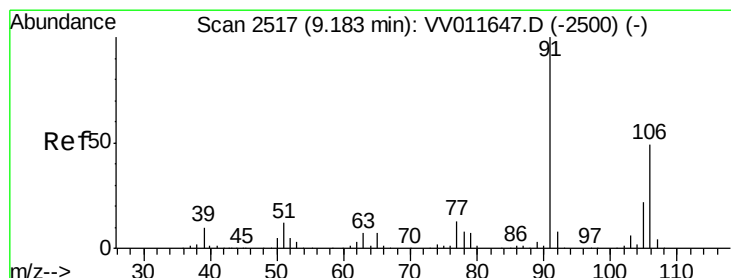
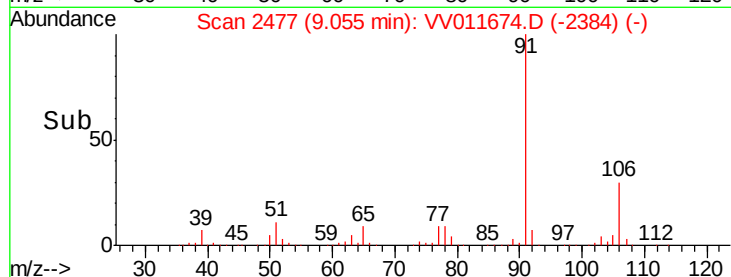
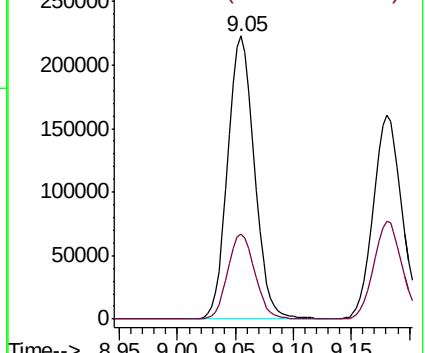
91 100

106 30.1 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VV011674.D (-2464) (-)

Ion 106.15 (105.85 to 106.85): VV011674.D (-2384) (-)



#53

m,p-xylene

Concen: 5.857 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV011674.D

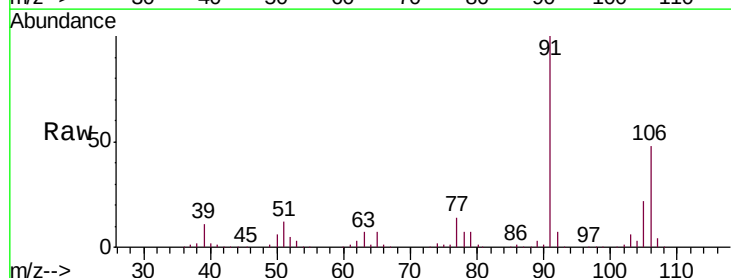
Acq: 21 Jun 2019 10:23

Tgt Ion: 106 Resp: 133593

Ion Ratio Lower Upper

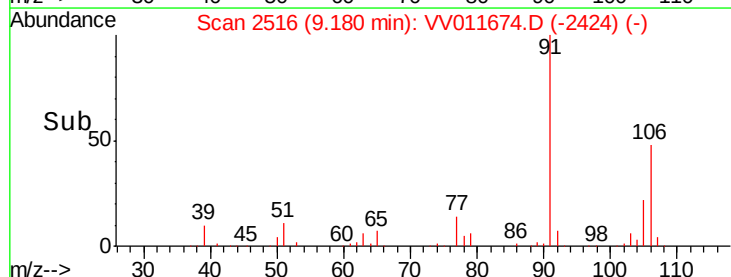
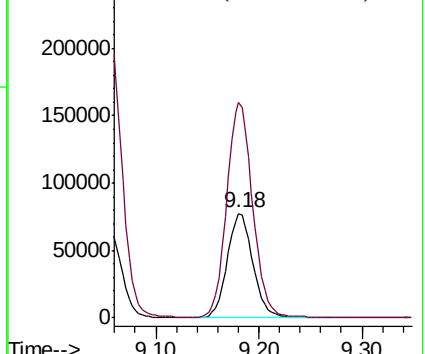
106 100

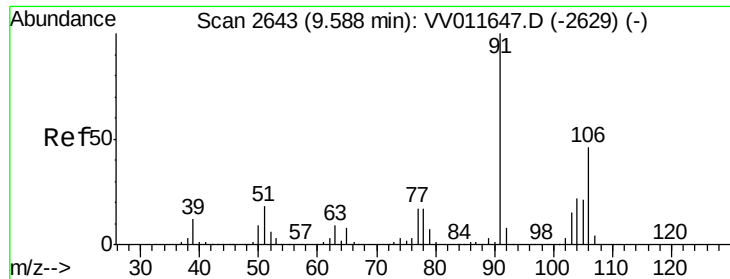
91 207.4 144.9 269.1



Abundance Ion 106.15 (105.85 to 106.85): VV011674.D (-2500) (-)

Ion 91.15 (90.85 to 91.85): VV011674.D (-2424) (-)





#54

o-xylene

Concen: 5.827 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV011674.D

Acq: 21 Jun 2019 10:23

Instrument :

MSVOA_V

ClientSampleId :

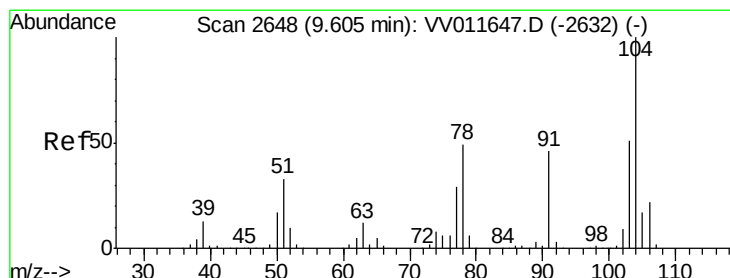
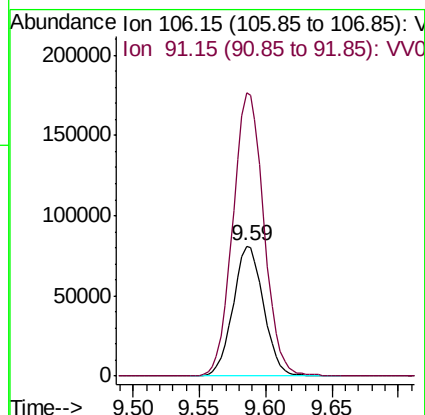
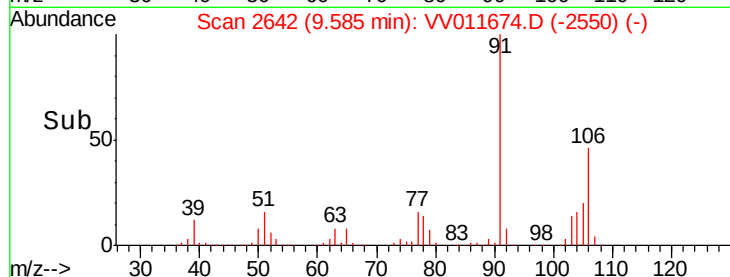
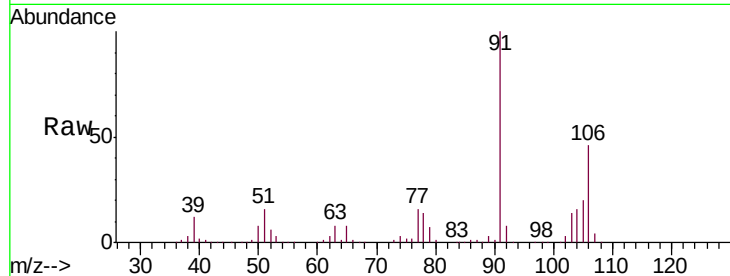
VSTD00544

Tgt Ion:106 Resp: 129920

Ion Ratio Lower Upper

106 100

91 217.3 155.2 288.2



#55

Styrene

Concen: 5.908 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV011674.D

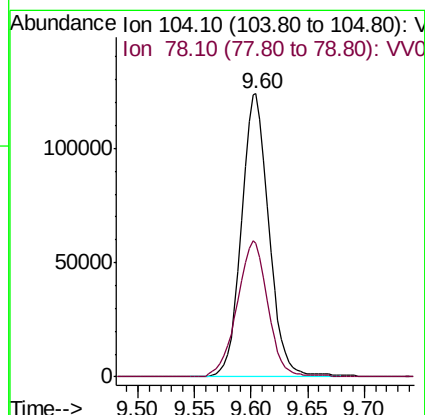
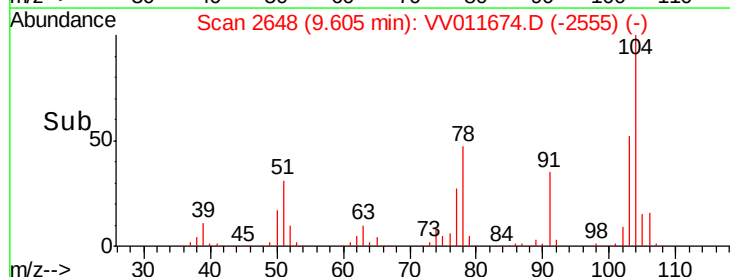
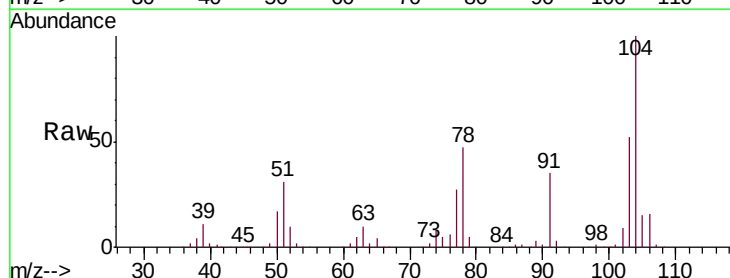
Acq: 21 Jun 2019 10:23

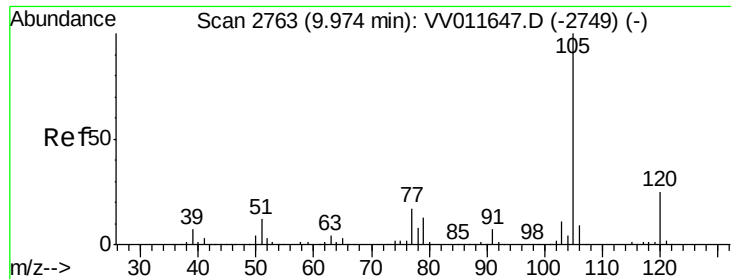
Tgt Ion:104 Resp: 209938

Ion Ratio Lower Upper

104 100

78 47.1 34.1 63.3





#56

Isopropylbenzene

Concen: 5.796 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011674.D

Acq: 21 Jun 2019 10:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

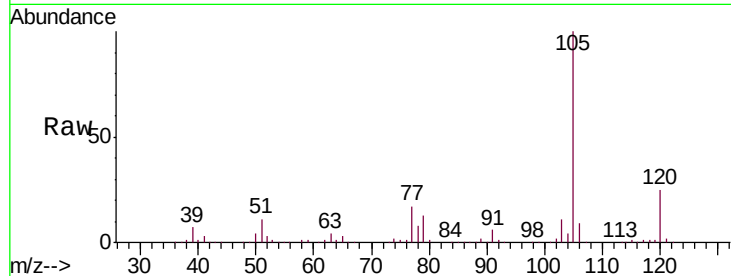
Tgt Ion: 105 Resp: 346244

Ion Ratio Lower Upper

105 100

120 26.0 20.6 30.8

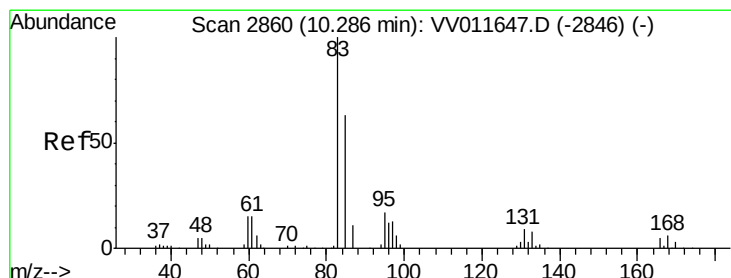
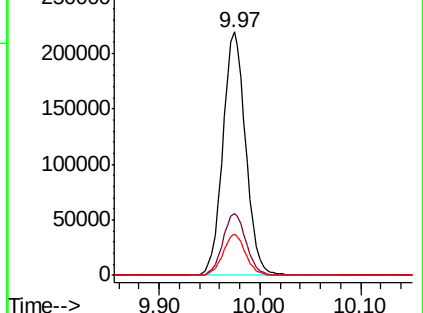
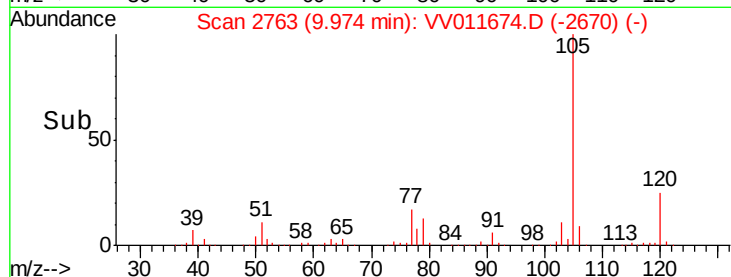
77 16.6 13.8 20.6



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: 5.599 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011674.D

Acq: 21 Jun 2019 10:23

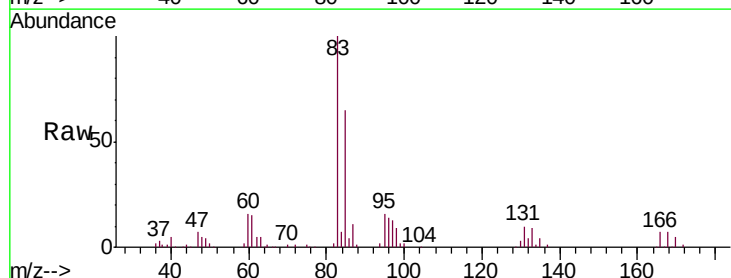
Tgt Ion: 83 Resp: 57772

Ion Ratio Lower Upper

83 100

85 65.1 45.9 85.3

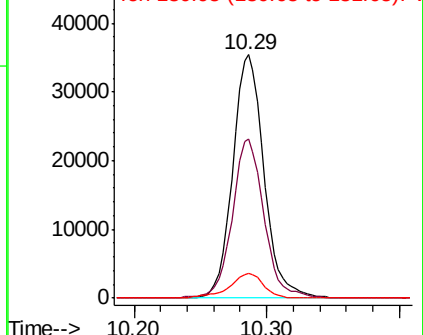
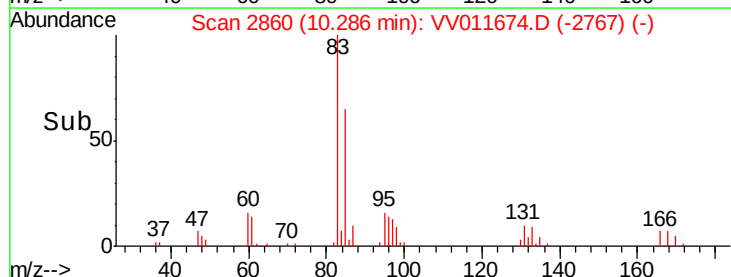
131 10.1 7.8 11.6

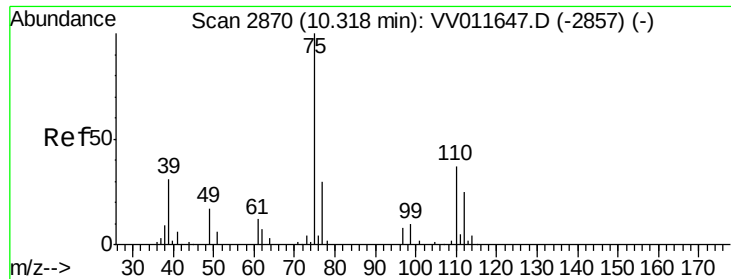


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.370 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV011674.D

Acq: 21 Jun 2019 10:23

Instrument :

MSVOA_V

ClientSampleId :

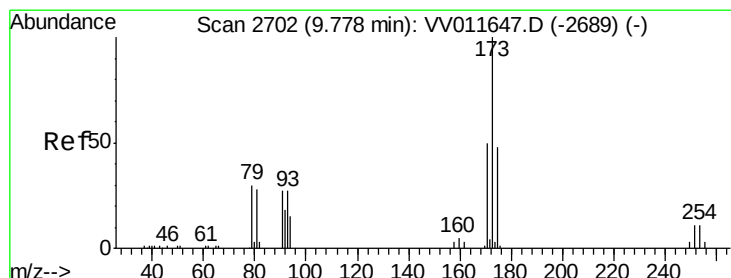
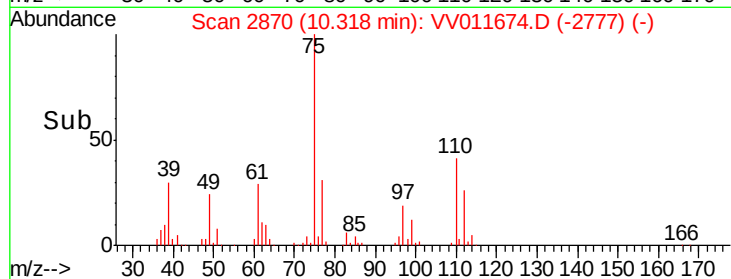
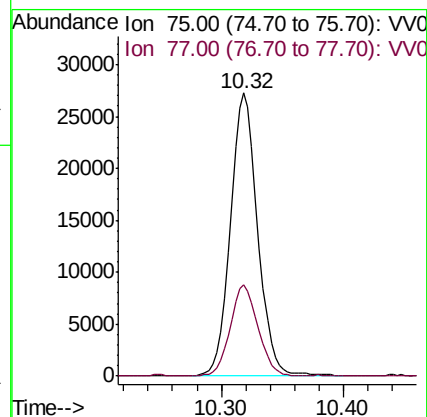
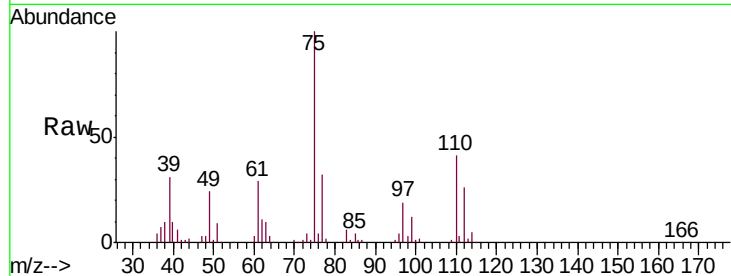
VSTD00544

Tgt Ion: 75 Resp: 42667

Ion Ratio Lower Upper

75 100

77 32.8 25.2 37.8



#61

Bromoform

Concen: 5.528 ug/L

RT: 9.78 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV011674.D

Acq: 21 Jun 2019 10:23

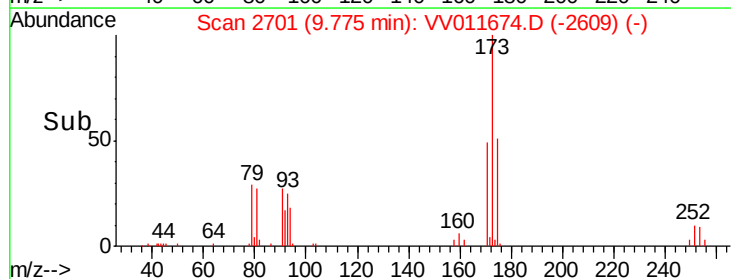
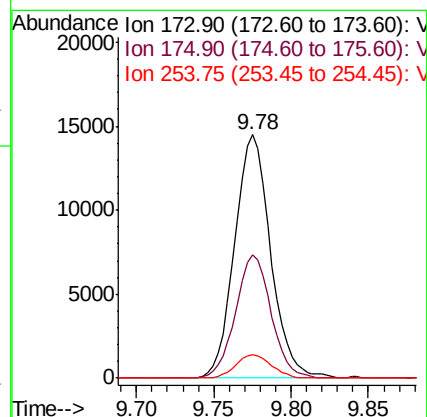
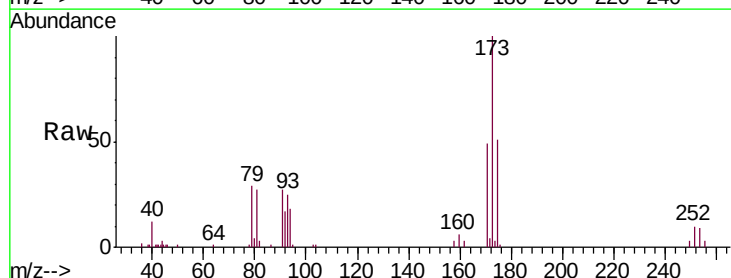
Tgt Ion: 173 Resp: 23395

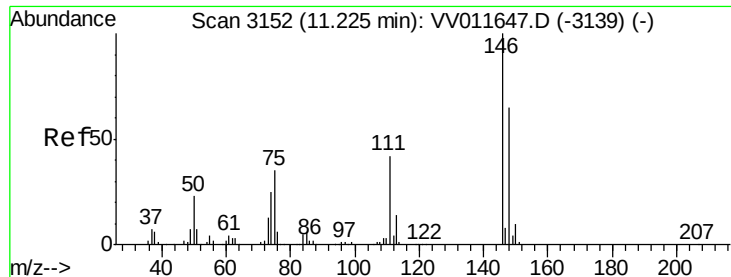
Ion Ratio Lower Upper

173 100

175 49.9 38.3 57.5

254 9.3 7.4 11.0

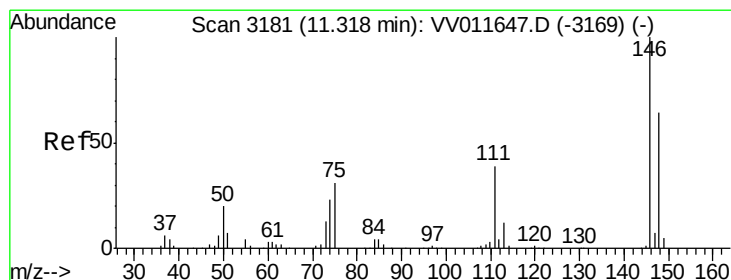
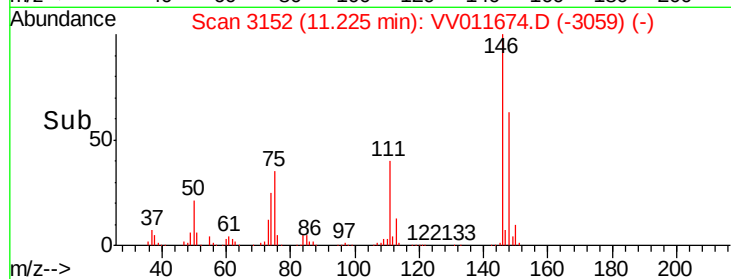
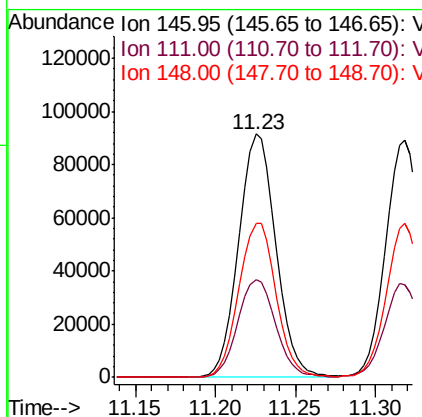
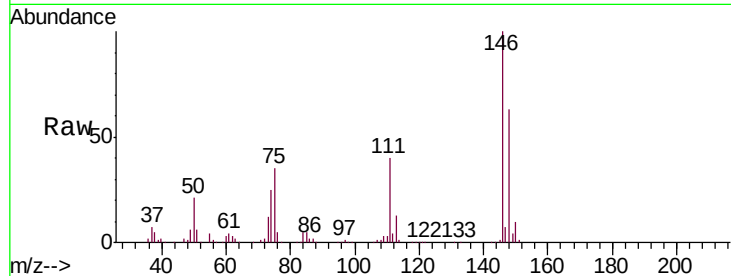




#62
 1,3-Dichlorobenzene
 Concen: 5.702 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV011674.D
 Acq: 21 Jun 2019 10:23

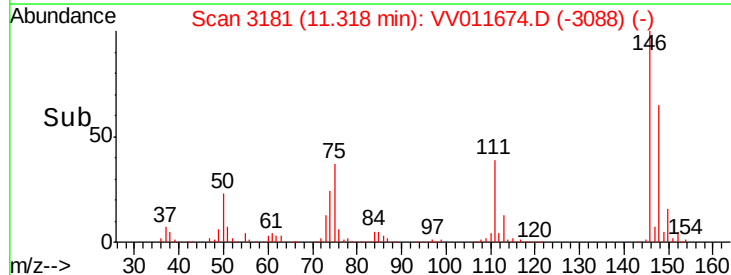
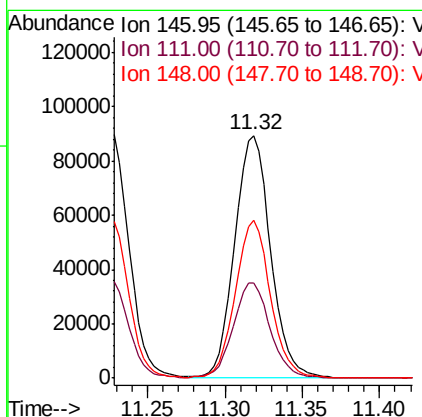
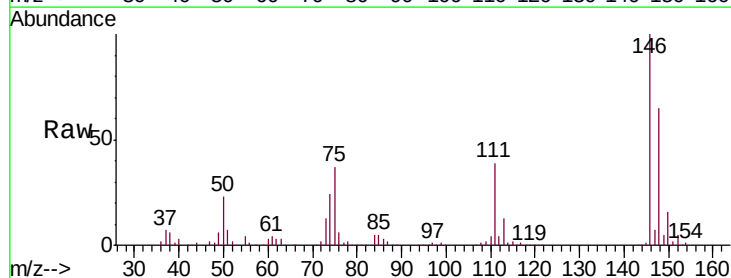
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

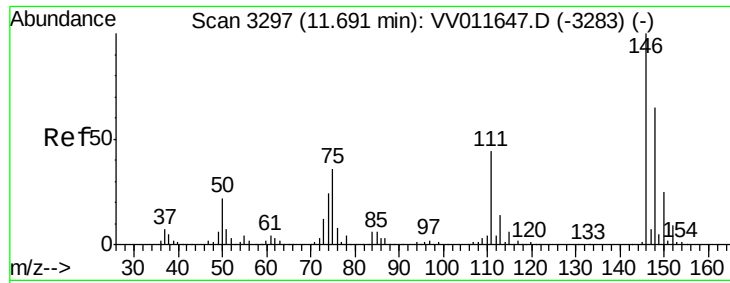
Tgt Ion:146 Resp: 144957
 Ion Ratio Lower Upper
 146 100
 111 39.9 28.4 52.8
 148 63.1 42.8 79.6



#63
 1,4-Dichlorobenzene
 Concen: 5.451 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV011674.D
 Acq: 21 Jun 2019 10:23

Tgt Ion:146 Resp: 143143
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.7 51.5
 148 64.8 45.1 83.9

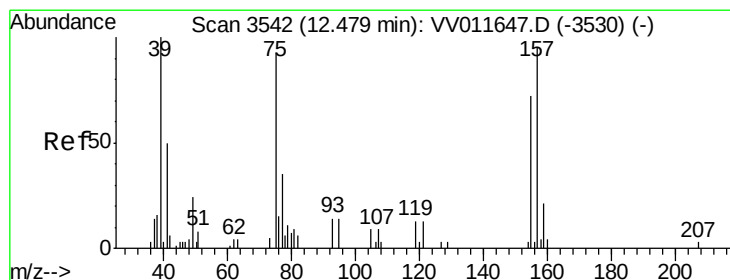
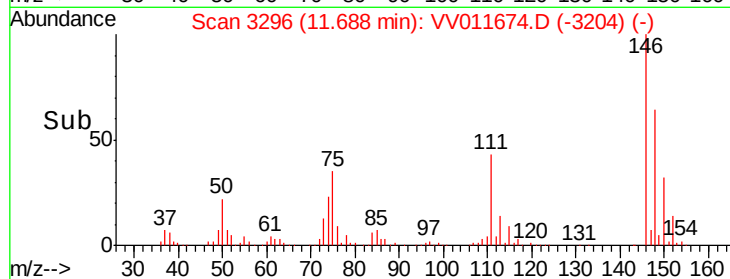
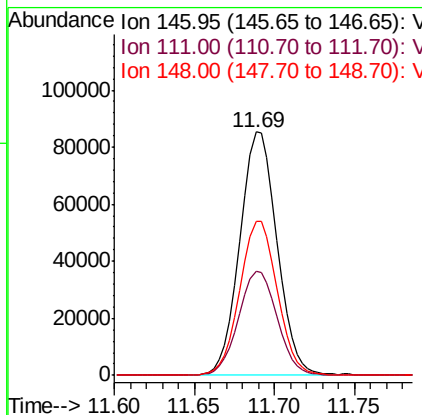
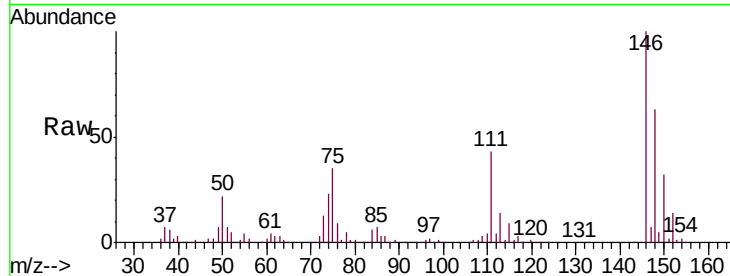




#65
 1,2-Dichlorobenzene
 Concen: 5.598 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV011674.D
 Acq: 21 Jun 2019 10:23

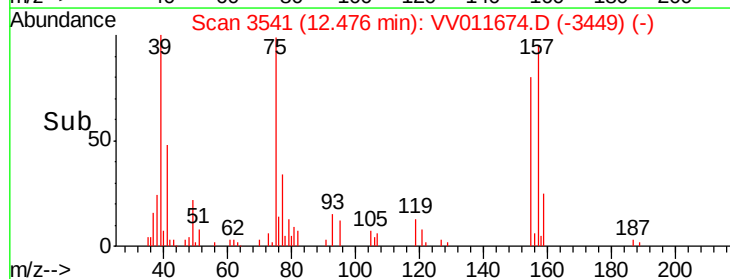
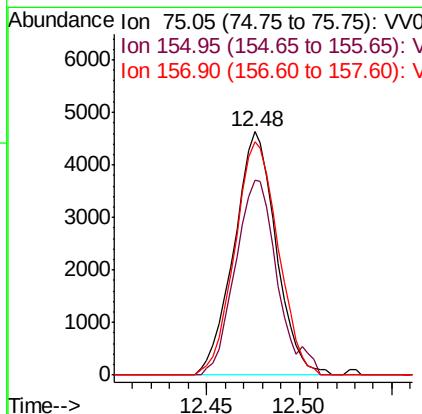
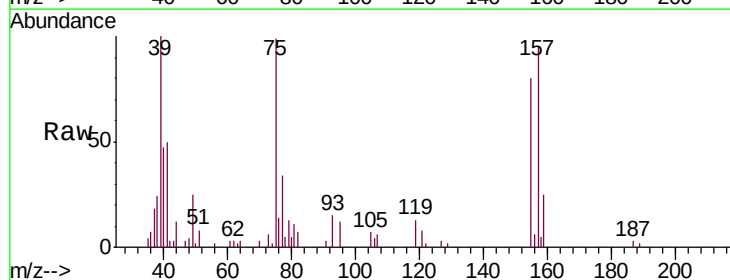
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00544

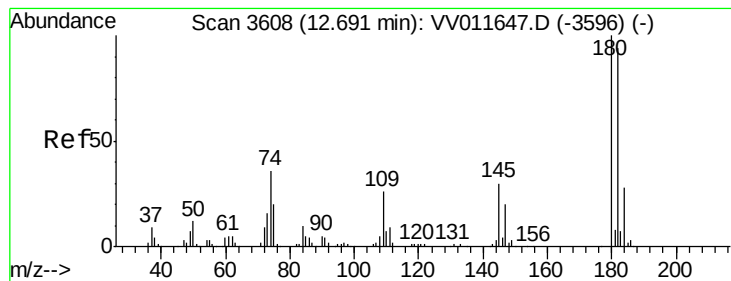
Tgt Ion: 146 Resp: 135529
 Ion Ratio Lower Upper
 146 100
 111 43.0 34.5 51.7
 148 63.5 49.8 74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.250 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. -0.00 min
 Lab File: VV011674.D
 Acq: 21 Jun 2019 10:23

Tgt Ion: 75 Resp: 7280
 Ion Ratio Lower Upper
 75 100
 155 80.2 59.4 89.0
 157 96.0 77.5 116.3





#67

1,3,5-Trichlorobenzene

Concen: 5.777 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. 0.00 min

Lab File: VV011674.D

Acq: 21 Jun 2019 10:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

Tgt Ion:180 Resp: 109199

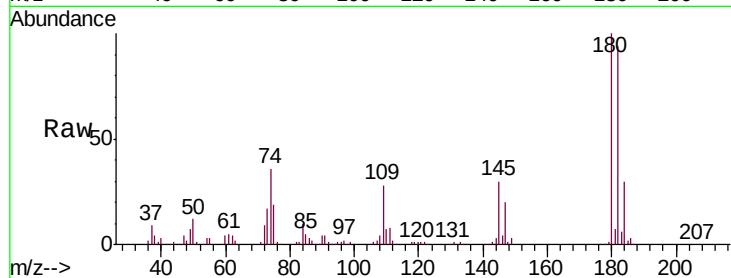
Ion Ratio Lower Upper

180 100

182 93.6 77.3 115.9

184 30.0 24.9 37.3

145 29.8 25.2 37.8

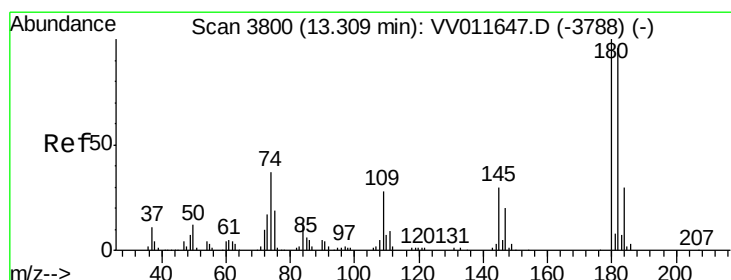
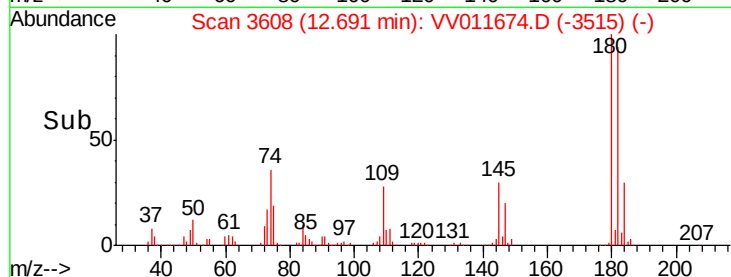
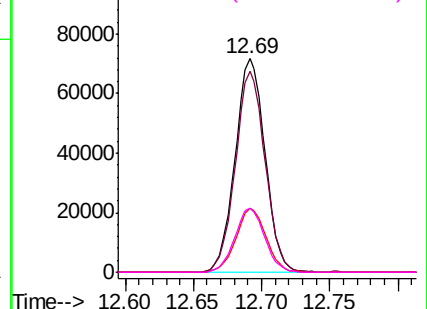


Abundance Ion 180.00 (179.70 to 180.70): V

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: 5.650 ug/L

RT: 13.31 min Scan# 3800

Delta R.T. 0.00 min

Lab File: VV011674.D

Acq: 21 Jun 2019 10:23

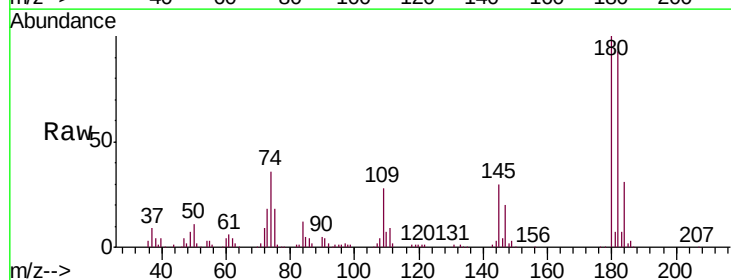
Tgt Ion:180 Resp: 82774

Ion Ratio Lower Upper

180 100

182 93.9 76.6 114.8

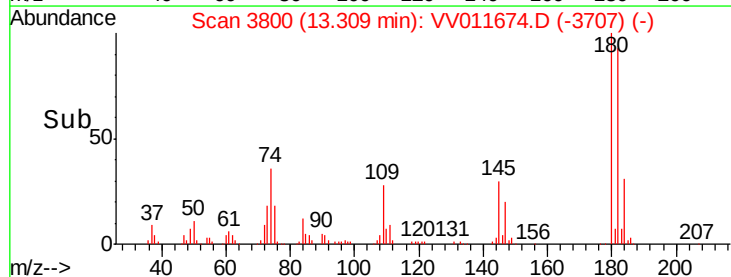
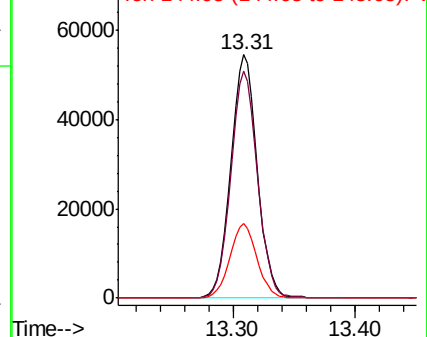
145 31.3 25.3 37.9

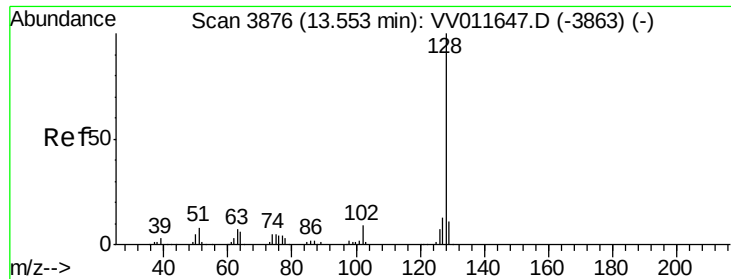


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.488 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV011674.D

Acq: 21 Jun 2019 10:23

Instrument :

MSVOA_V

ClientSampled :

VSTD00544

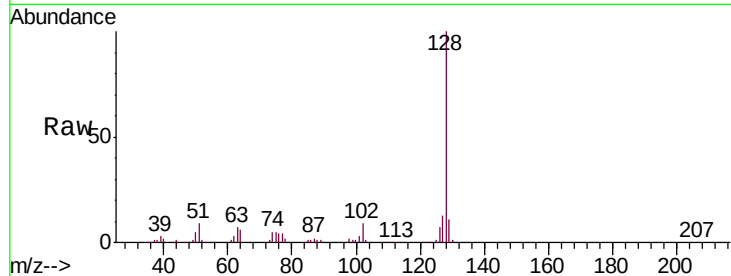
Tgt Ion:128 Resp: 131447

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

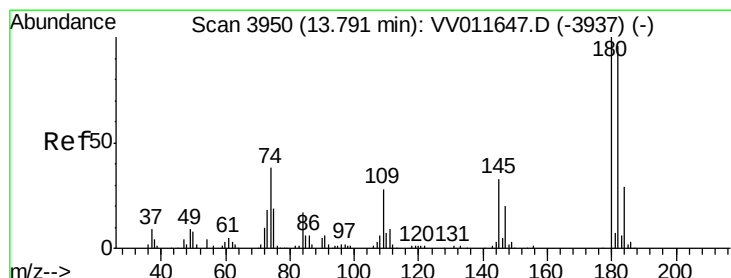
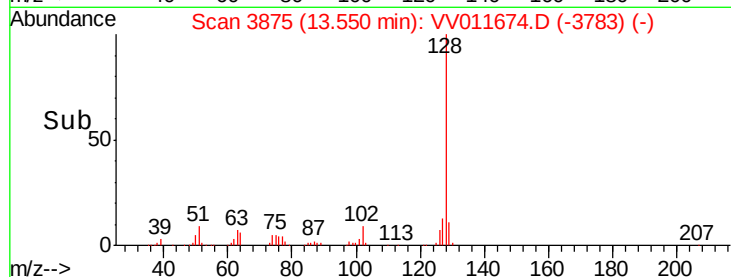
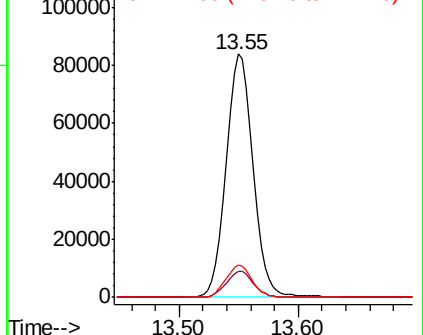
127 13.2 10.5 15.7



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: 5.618 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV011674.D

Acq: 21 Jun 2019 10:23

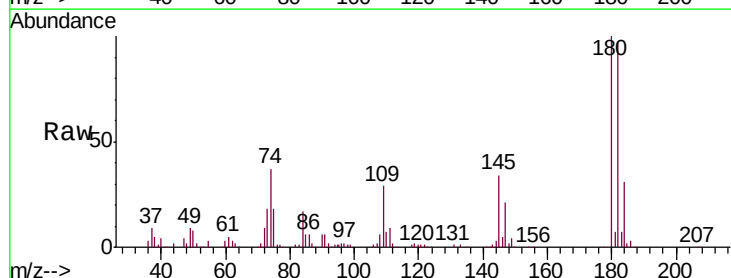
Tgt Ion:180 Resp: 76501

Ion Ratio Lower Upper

180 100

182 95.7 75.0 112.4

145 33.2 26.2 39.2



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

