

Data File : VV012357.D
Acq On : 22 Aug 2019 19:09
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

Quant Time: Aug 23 07:01:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082119WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 23 06:55:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	196346	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	189406	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	104615	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36974	39.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.54%
7) Chloroethane-d5	1.58	69	28593	42.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.80%
11) 1,1-Dichloroethene-d2	2.13	63	80221	43.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.68%
21) 2-Butanone-d5	3.92	46	77286	106.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.66%
24) Chloroform-d	4.40	84	133200	50.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.82%
26) 1,2-Dichloroethane-d4	5.08	65	93337	51.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.44%
32) Benzene-d6	5.10	84	240767	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.34%
36) 1,2-Dichloropropane-d6	6.12	67	64586	47.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.56%
41) Toluene-d8	7.36	98	236913	48.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.26%
43) trans-1,3-Dichloropropene-	7.66	79	38193	45.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.80%
47) 2-Hexanone-d5	8.13	63	58116	103.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.09%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	98985	50.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.76%
64) 1,2-Dichlorobenzene-d4	11.67	152	111237	48.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.74%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	89402	53.154	ug/L	100
3) Chloromethane	1.25	50	47557	49.605	ug/L	99
5) Vinyl chloride	1.32	62	56142	59.203	ug/L	99
6) Bromomethane	1.52	94	26120	52.834	ug/L	90
8) Chloroethane	1.60	64	25385	47.315	ug/L	97
9) Trichlorofluoromethane	1.77	101	103897	54.460	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	42486	49.147	ug/L	97
12) 1,1-Dichloroethene	2.14	96	39248	49.695	ug/L	89
13) Acetone	2.18	43	44290	81.451	ug/L	100
14) Carbon disulfide	2.32	76	148140	49.817	ug/L	100
15) Methyl Acetate	2.45	43	53471	52.406	ug/L	100
16) Methylene chloride	2.53	84	62610	52.032	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	64069	53.607	ug/L	97
18) Methyl tert-butyl Ether	2.80	73	204524	51.655	ug/L	99
19) 1,1-Dichloroethane	3.23	63	107515	53.573	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	95270	71.633	ug/L	95
22) 2-Butanone	4.01	43	78067	100.049	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	39691	53.937	ug/L	99
25) Chloroform	4.42	83	131132	52.927	ug/L	95
27) 1,2-Dichloroethane	5.18	62	113468	56.343	ug/L	100
29) Cyclohexane	4.73	56	86986	50.445	ug/L	97
30) 1,1,1-Trichloroethane	4.66	97	129660	53.179	ug/L	98
31) Carbon tetrachloride	4.87	117	126373	55.175	ug/L	98
33) Benzene	5.14	78	256060	53.634	ug/L	100
34) Trichloroethene	5.96	95	72334	51.728	ug/L	97
35) Methylcyclohexane	6.18	83	105065	49.691	ug/L	99
37) 1,2-Dichloropropane	6.22	63	55298	51.093	ug/L	98
38) Bromodichloromethane	6.55	83	103172	54.462	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	106463	52.989	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	156655	107.651	ug/L	99
42) Toluene	7.43	91	289315	53.722	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	100752	52.615	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	67666	54.082	ug/L	94
46) Tetrachloroethene	8.02	164	68674	51.322	ug/L	96
48) 2-Hexanone	8.18	43	120736	109.898	ug/L	98
49) Dibromochloromethane	8.29	129	89974	53.178	ug/L	100
50) 1,2-Dibromoethane	8.40	107	74833	53.892	ug/L	99
51) Chlorobenzene	8.92	112	197907	53.085	ug/L	98
52) Ethylbenzene	9.05	91	329985	53.017	ug/L	100
53) m,p-Xylene	9.18	106	127193	52.655	ug/L	100
54) o-xylene	9.59	106	126325	53.279	ug/L	99
55) Styrene	9.60	104	217094	54.678	ug/L	99
56) Isopropylbenzene	9.97	105	339687	52.881	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	97055	53.383	ug/L	96
59) 1,2,3-Trichloropropane	10.31	75	84049	54.498	ug/L	99
61) Bromoform	9.77	173	71558	51.813	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	171333	52.603	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	172055	52.347	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	173385	52.606	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	26674	55.630	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	134335	52.032	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	106667	52.804	ug/L	99
69) Naphthalene	13.55	128	270484	49.843	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	112134	54.217	ug/L	100

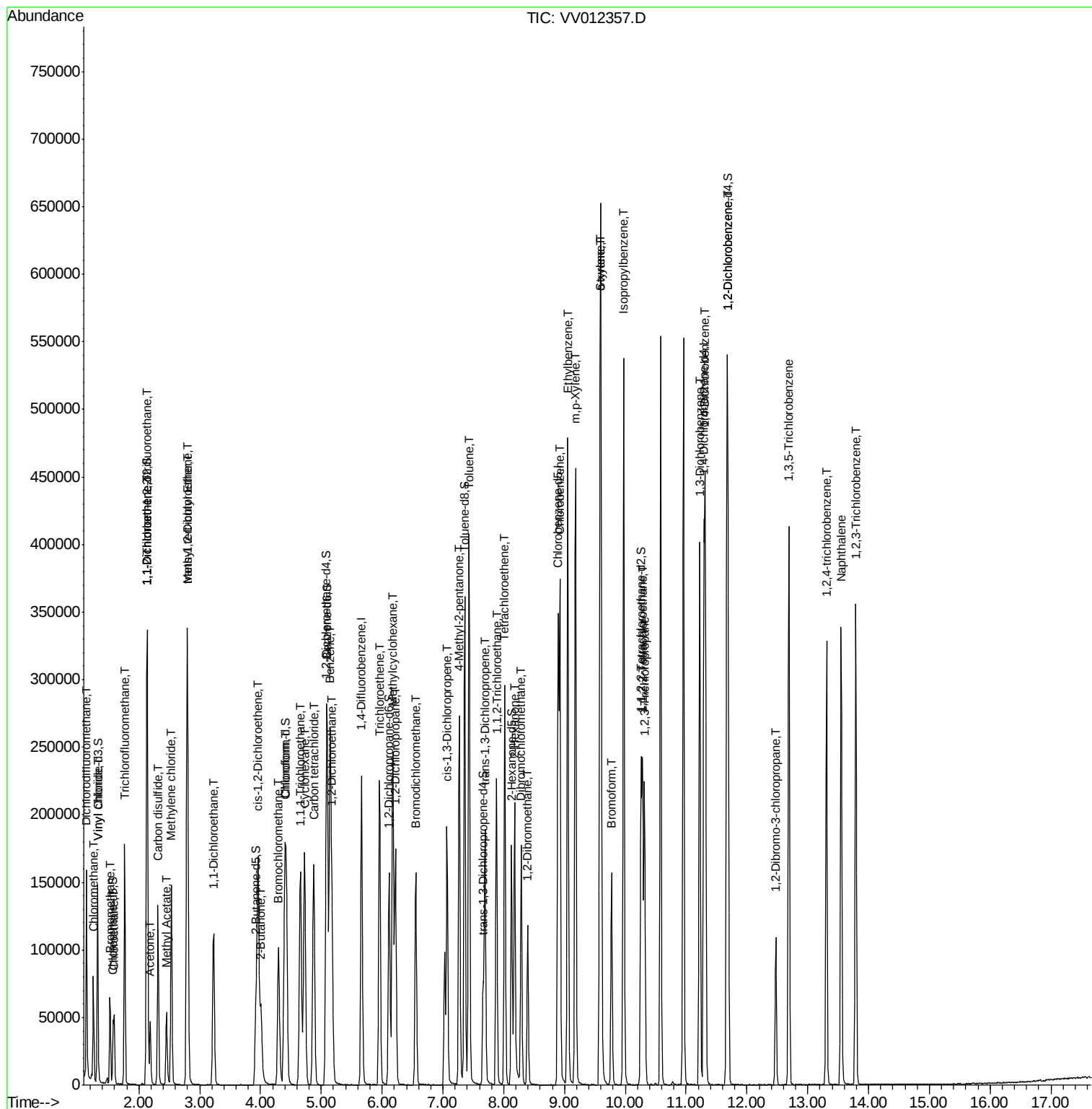
(#) = qualifier out of range (m) = manual integration (+) = signals summed

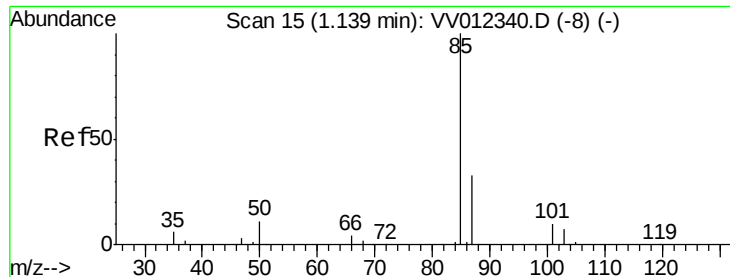
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#2

Dichlorodifluoromethane

Concen: 53.154 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

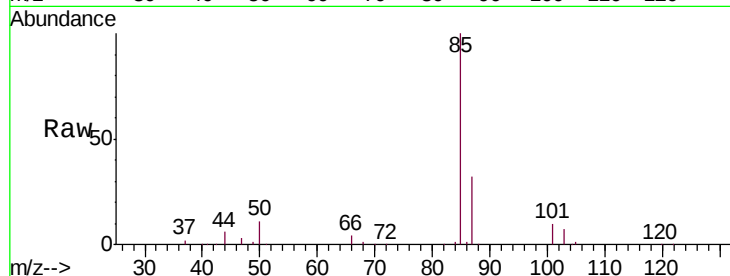
VSTD05079

Tgt Ion: 85 Resp: 89402

Ion Ratio Lower Upper

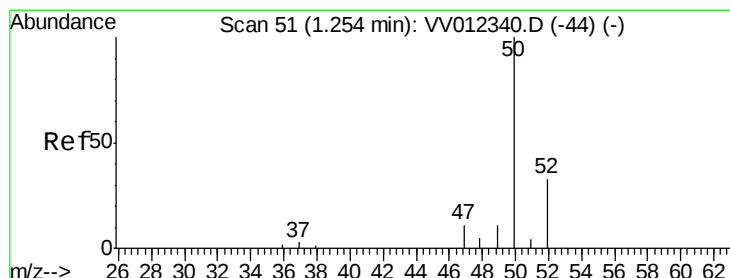
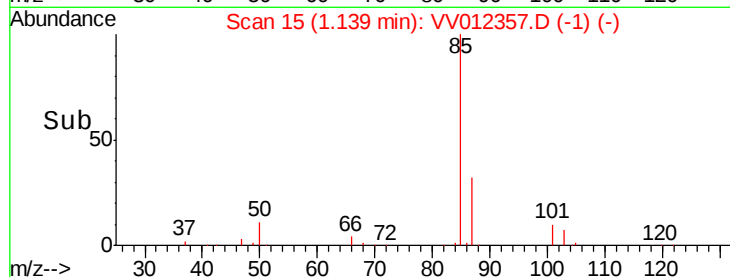
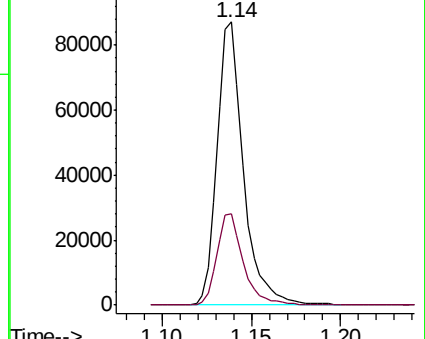
85 100

87 32.3 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV012340.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012340.D (-8) (-)



#3

Chloromethane

Concen: 49.605 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012357.D

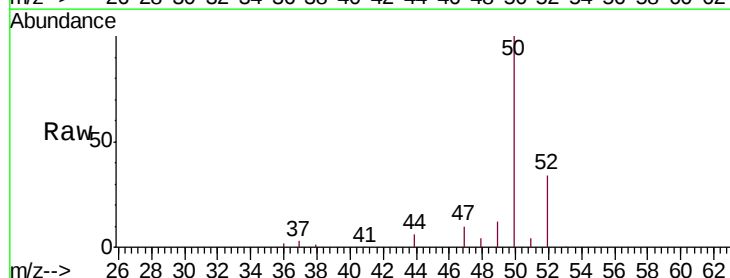
Acq: 22 Aug 2019 19:09

Tgt Ion: 50 Resp: 47557

Ion Ratio Lower Upper

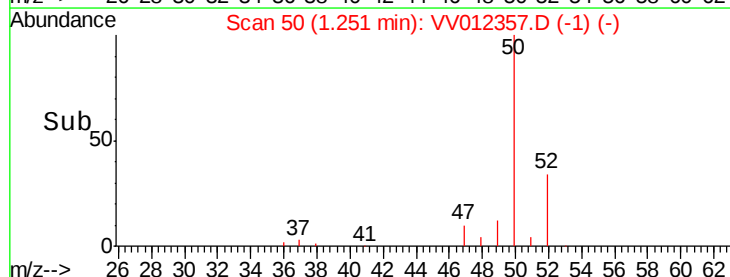
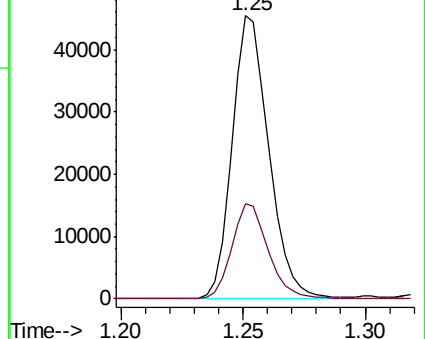
50 100

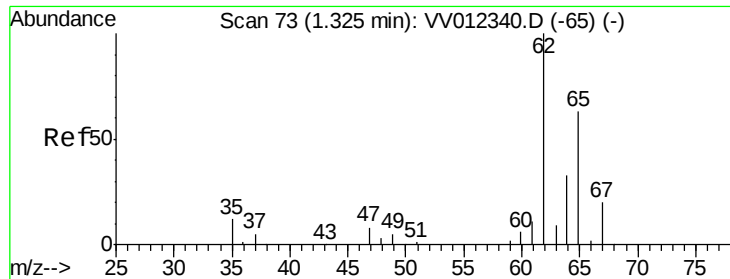
52 33.5 23.8 44.2



Abundance Ion 50.00 (49.70 to 50.70): VV012340.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV012340.D (-44) (-)





#5

Vinyl chloride

Concen: 59.203 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

Instrument :

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ClientSampleId :

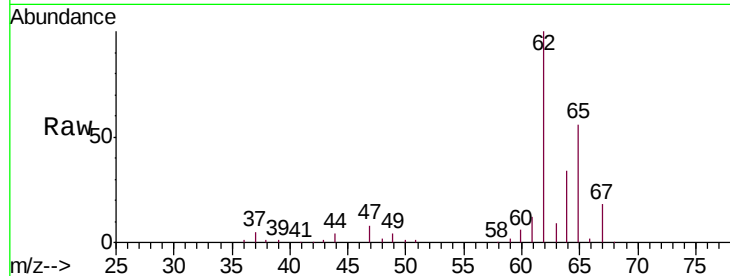
VSTD05079

Tgt Ion: 62 Resp: 56142

Ion Ratio Lower Upper

62 100

64 34.3 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

60000

50000

40000

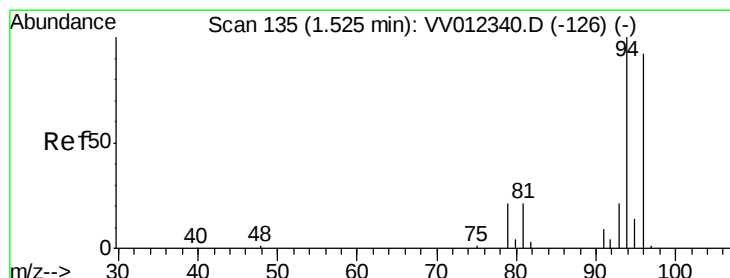
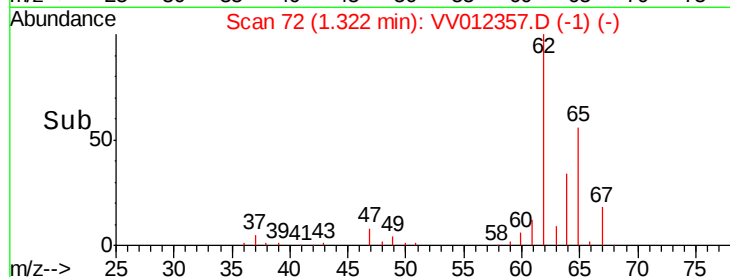
30000

20000

10000

0

Time-->



#6

Bromomethane

Concen: 52.834 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV012357.D

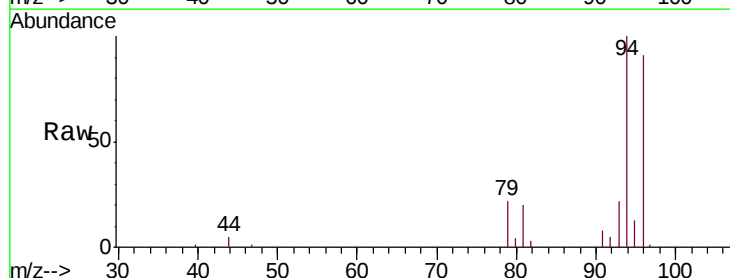
Acq: 22 Aug 2019 19:09

Tgt Ion: 94 Resp: 26120

Ion Ratio Lower Upper

94 100

96 90.6 70.1 130.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.52

25000

20000

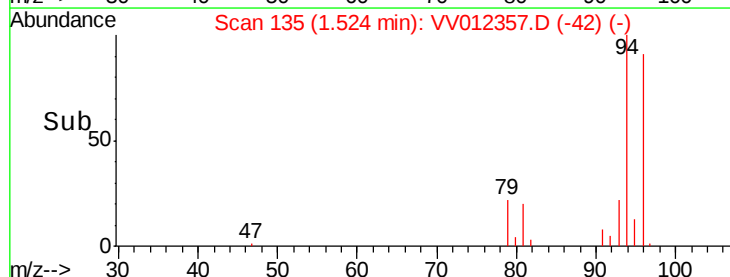
15000

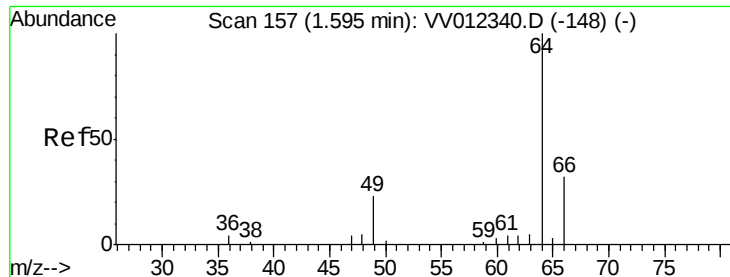
10000

5000

0

Time-->





#8

Chloroethane

Concen: 47.315 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

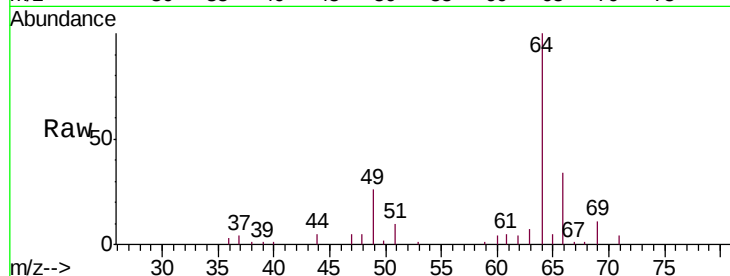
VSTD05079

Tgt Ion: 64 Resp: 25385

Ion Ratio Lower Upper

64 100

66 34.3 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VV012340.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV012340.D (-148) (-)

1.60

25000

20000

15000

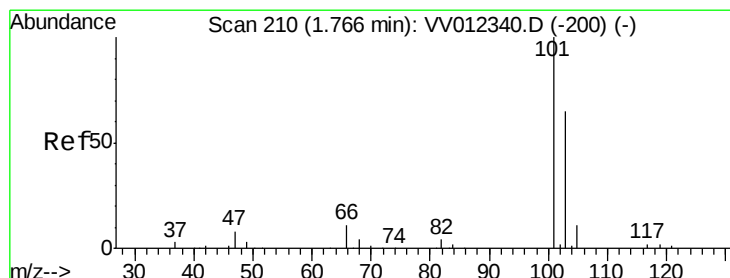
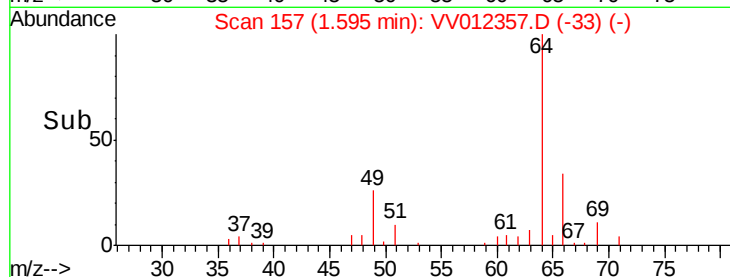
10000

5000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 54.460 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV012357.D

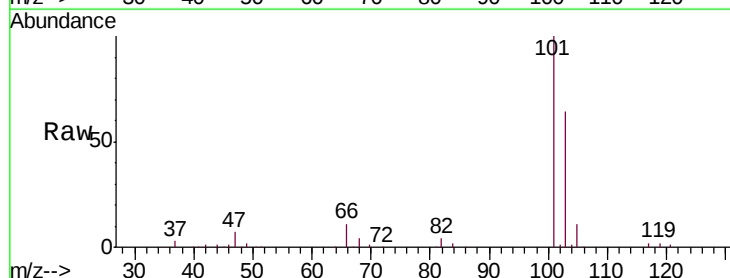
Acq: 22 Aug 2019 19:09

Tgt Ion: 101 Resp: 103897

Ion Ratio Lower Upper

101 100

103 64.3 53.2 79.8



Abundance Ion 101.00 (100.70 to 101.70): VV012340.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV012340.D (-200) (-)

1.77

80000

60000

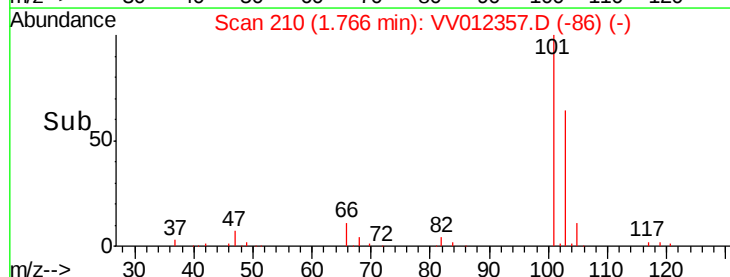
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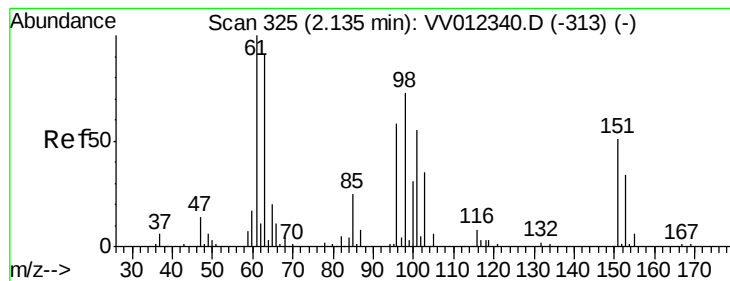
20000

0

Time-->

1.70 1.75 1.80





#10

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

Concen: 49.147 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

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ClientSampleId :

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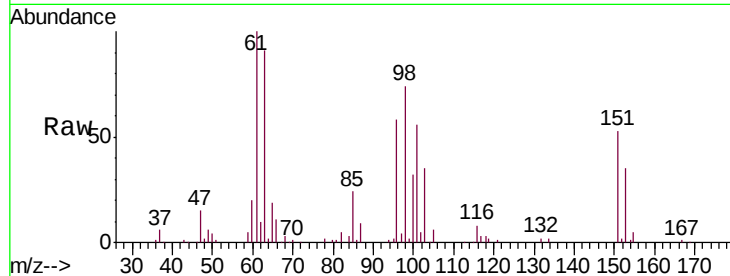
Tgt Ion:101 Resp: 42486

Ion Ratio Lower Upper

101 100

85 43.7 33.7 50.5

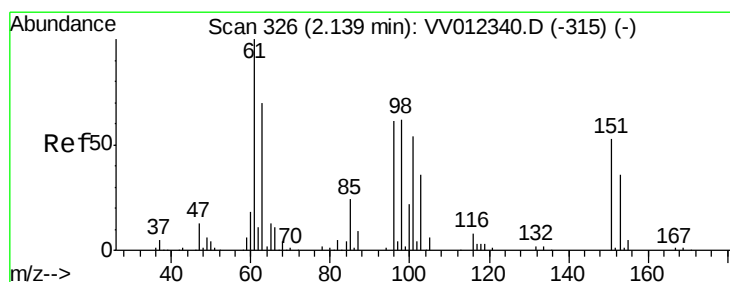
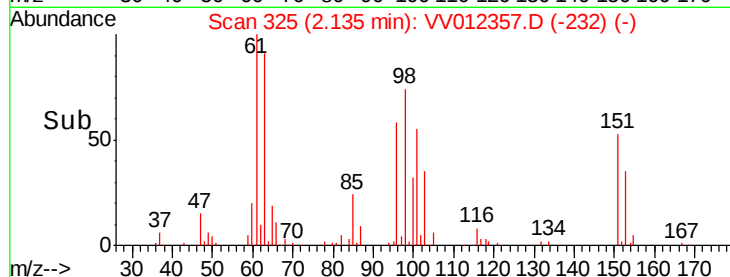
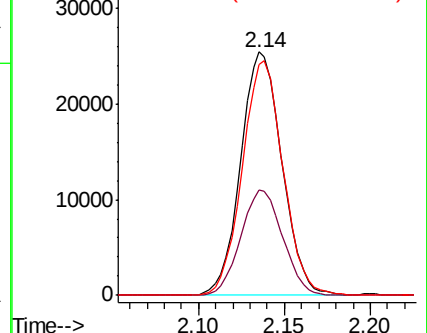
151 94.8 73.0 109.6



Abundance Ion 101.00 (100.70 to 101.70): VV012340.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV012340.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV012340.D (-313) (-)



#12

1,1-Dichloroethene

Concen: 49.695 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

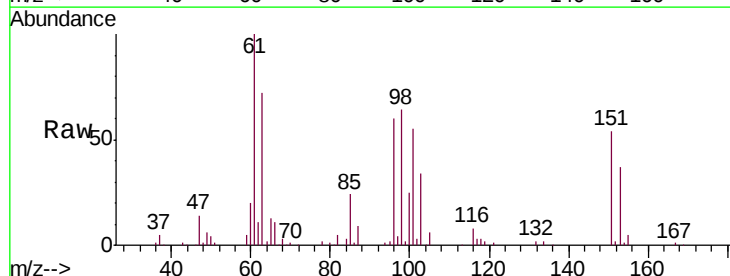
Tgt Ion: 96 Resp: 39248

Ion Ratio Lower Upper

96 100

61 166.8 122.6 227.8

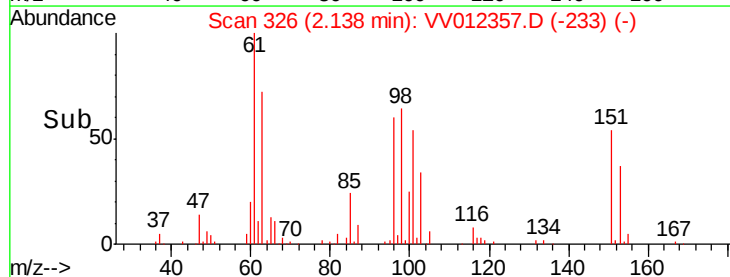
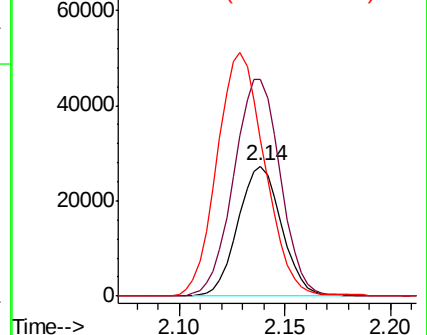
63 120.0 98.6 183.2

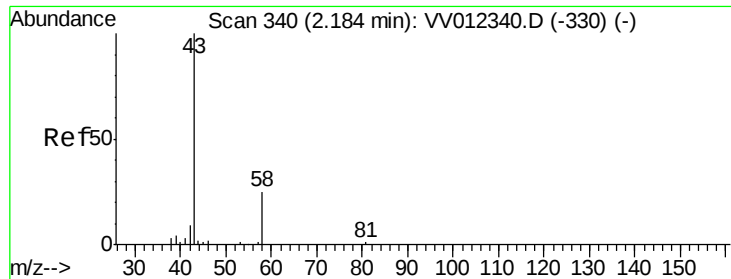


Abundance Ion 96.00 (95.70 to 96.70): VV012340.D (-315) (-)

Ion 61.00 (60.70 to 61.70): VV012340.D (-315) (-)

Ion 63.00 (62.70 to 63.70): VV012340.D (-315) (-)





#13

Acetone

Concen: 81.451 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

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ClientSampleId :

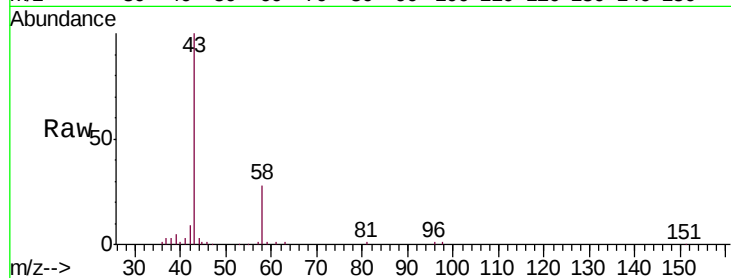
VSTD05079

Tgt Ion: 43 Resp: 44290

Ion Ratio Lower Upper

43 100

58 27.0 0.0 54.2



Abundance Ion 43.00 (42.70 to 43.70): VV012340.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV012340.D (-330) (-)

2.18

30000

20000

10000

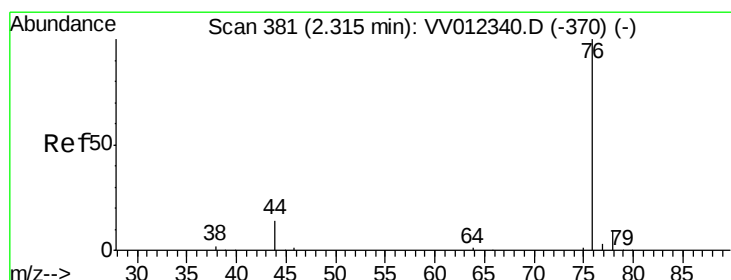
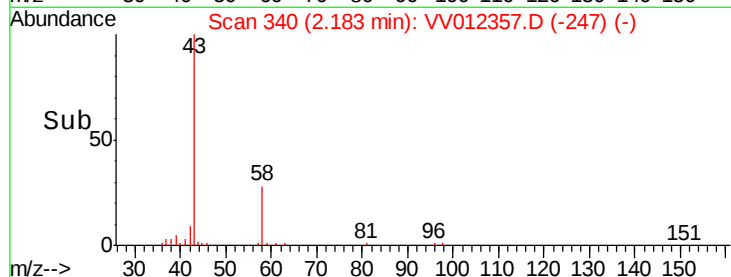
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Time-->

2.15

2.20

2.25



#14

Carbon disulfide

Concen: 49.817 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV012357.D

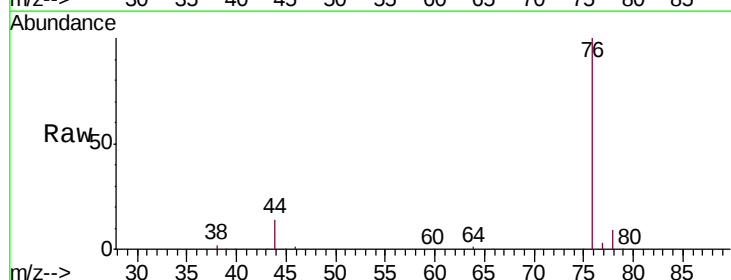
Acq: 22 Aug 2019 19:09

Tgt Ion: 76 Resp: 148140

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VV012340.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV012340.D (-370) (-)

120000

100000

80000

60000

40000

20000

0

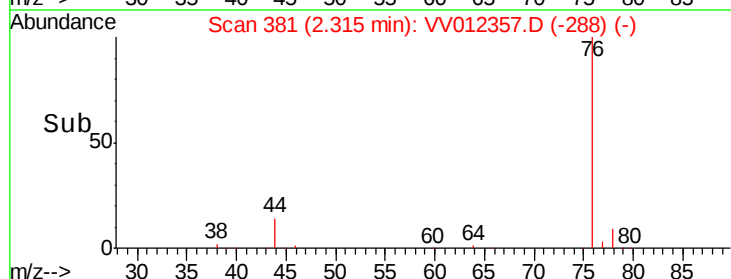
Time-->

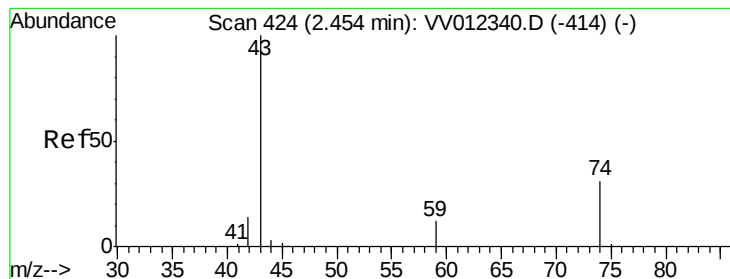
2.25

2.30

2.35

2.40





#15

Methyl Acetate

Concen: 52.406 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

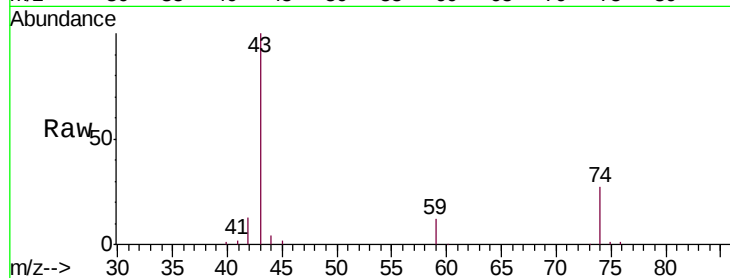
VSTD05079

Tgt Ion: 43 Resp: 53471

Ion Ratio Lower Upper

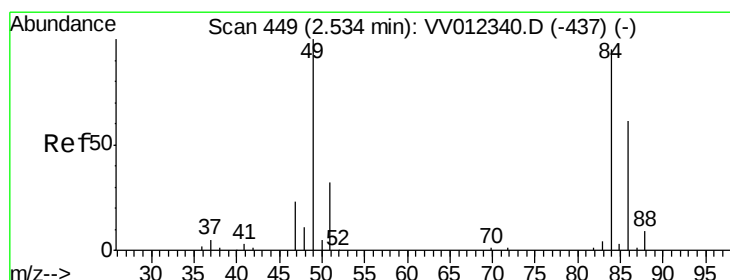
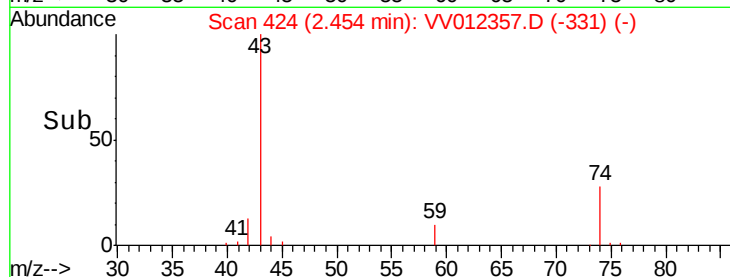
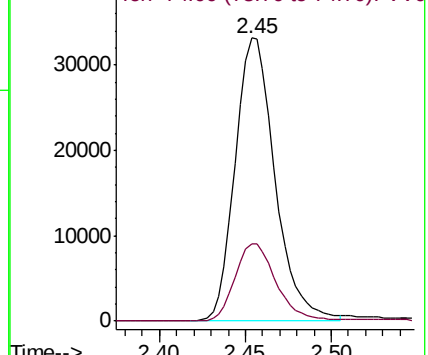
43 100

74 28.2 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 52.032 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

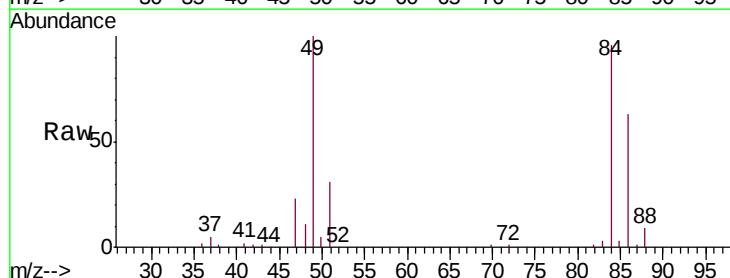
Tgt Ion: 84 Resp: 62610

Ion Ratio Lower Upper

84 100

86 65.5 44.7 83.1

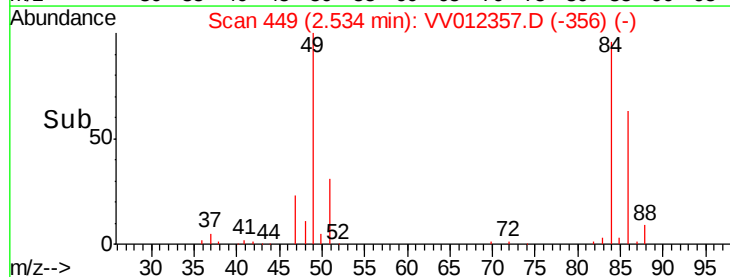
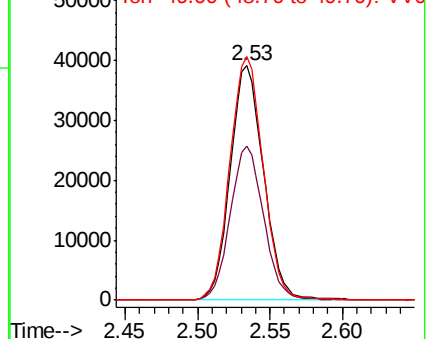
49 103.8 72.1 133.9

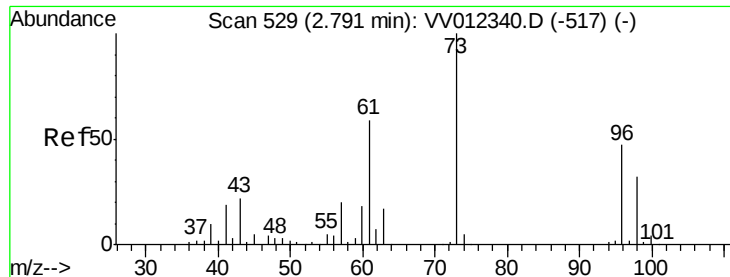


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 53.607 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

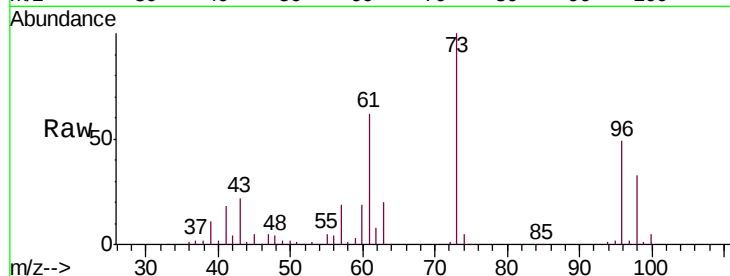
Tgt Ion: 96 Resp: 64069

Ion Ratio Lower Upper

96 100

61 126.7 87.0 161.6

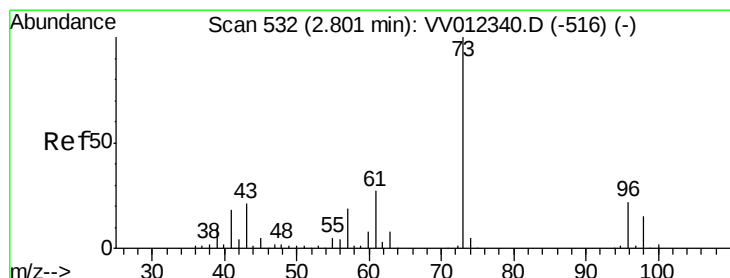
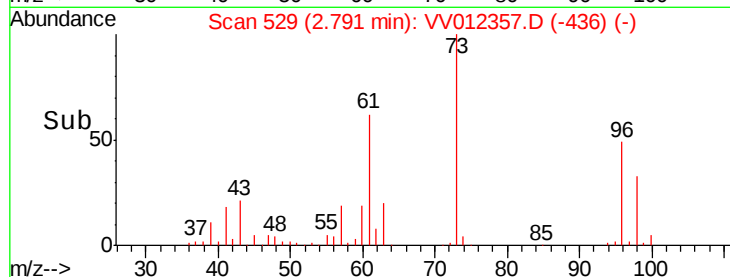
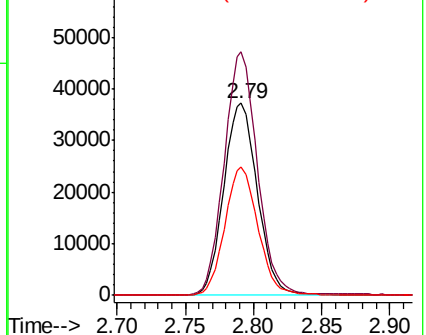
98 66.5 43.8 81.4



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 51.655 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

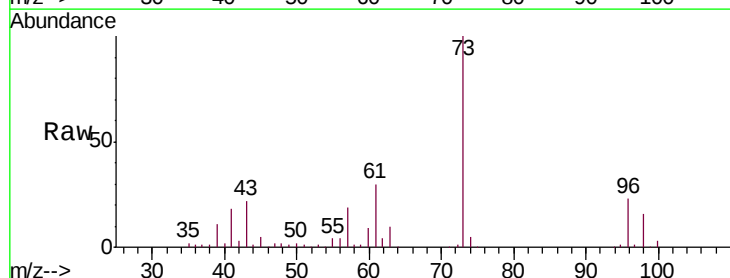
Tgt Ion: 73 Resp: 204524

Ion Ratio Lower Upper

73 100

43 21.4 16.6 25.0

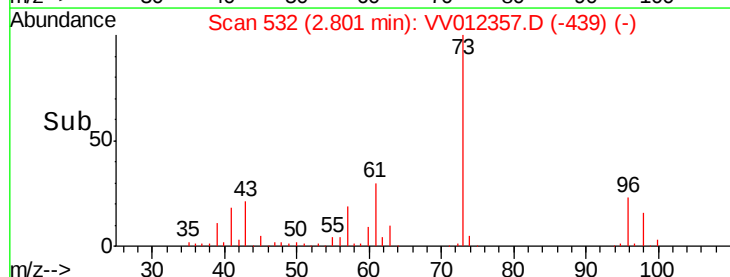
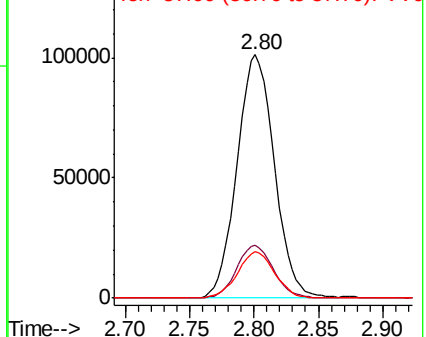
57 19.0 15.0 22.6

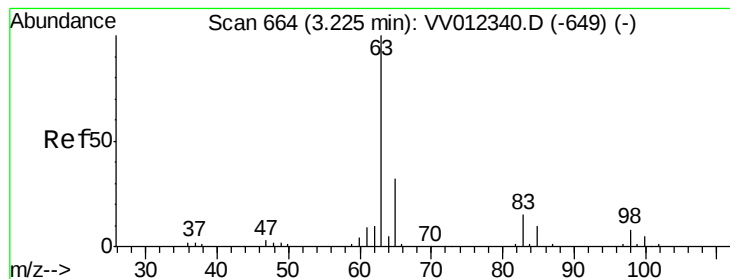


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 53.573 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

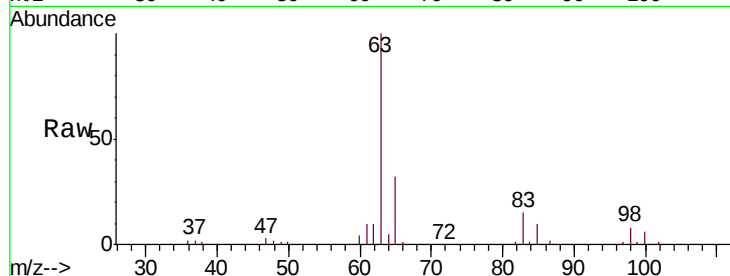
Tgt Ion: 63 Resp: 107515

Ion Ratio Lower Upper

63 100

65 31.7 21.7 40.3

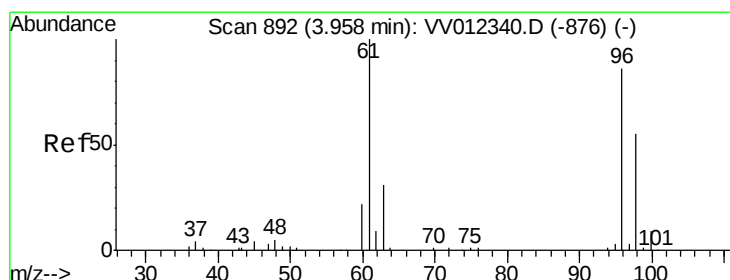
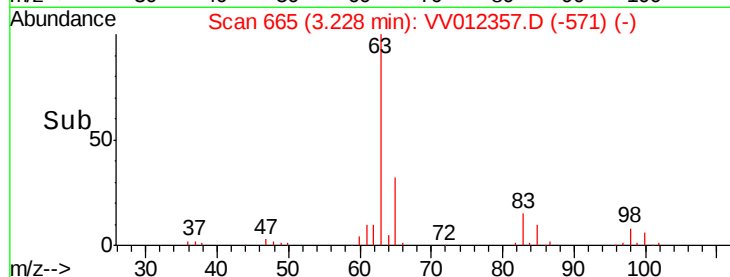
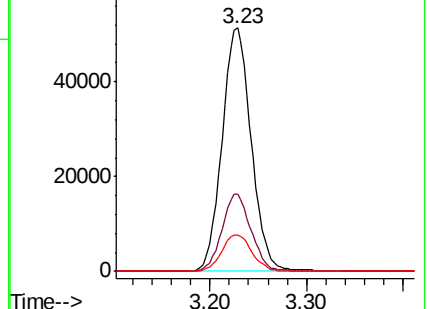
83 14.9 10.5 19.5



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 71.633 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

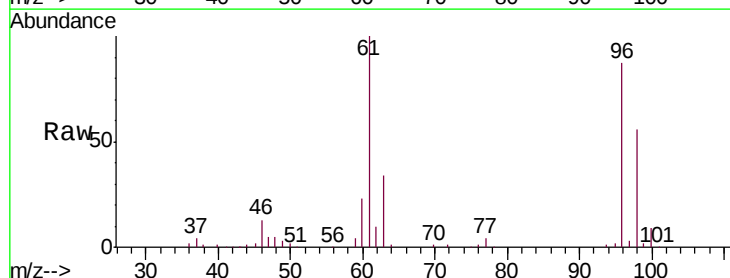
Tgt Ion: 96 Resp: 95270

Ion Ratio Lower Upper

96 100

61 114.8 84.4 156.7

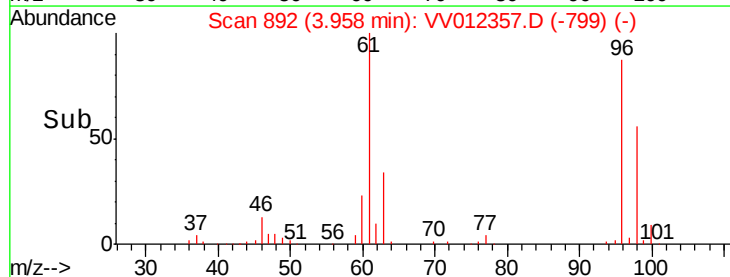
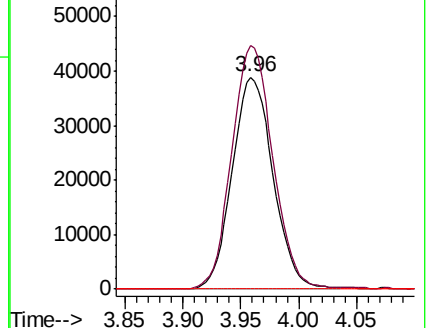
68 0.0 0.0 0.0

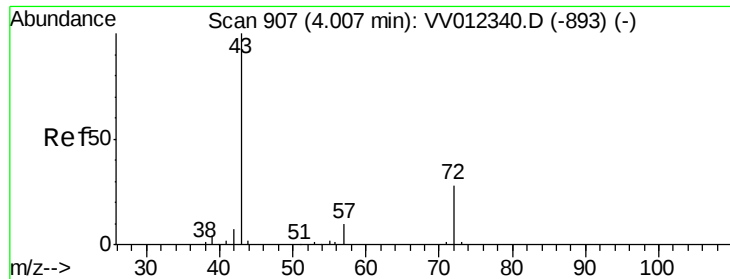


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 100.049 ug/L

RT: 4.01 min Scan# 907

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

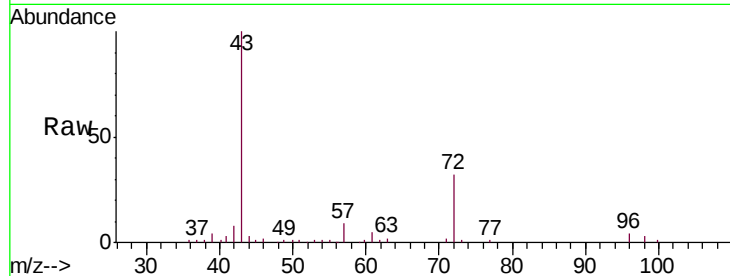
VSTD05079

Tgt Ion: 43 Resp: 78067

Ion Ratio Lower Upper

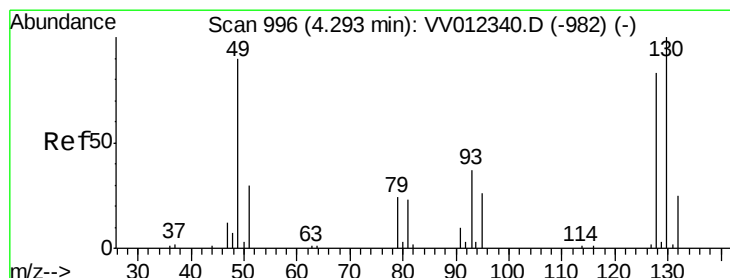
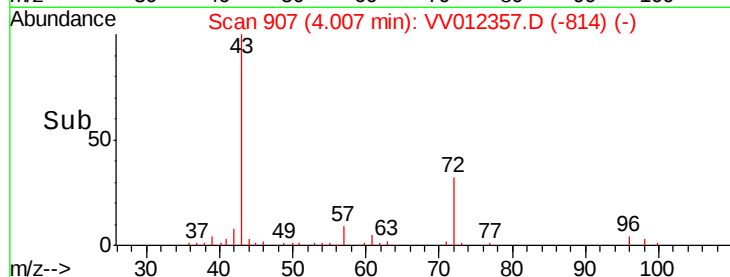
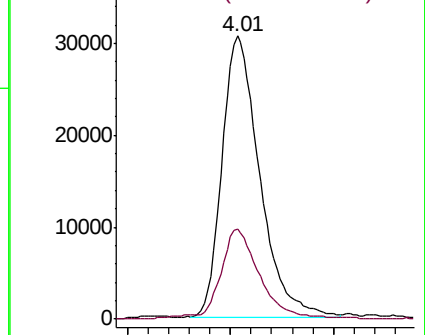
43 100

72 29.8 15.0 45.1



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



#23

Bromochloromethane

Concen: 53.937 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

Tgt Ion: 128 Resp: 39691

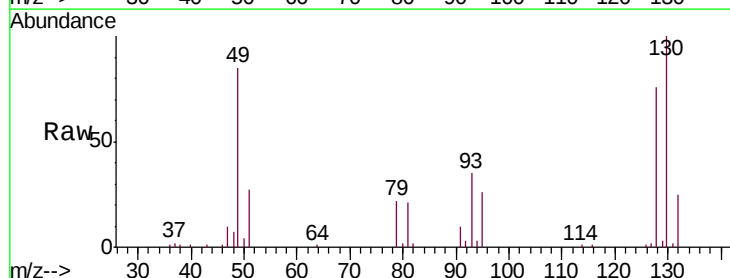
Ion Ratio Lower Upper

128 100

49 111.3 78.8 146.4

130 131.4 93.0 172.6

51 35.3 28.5 42.7

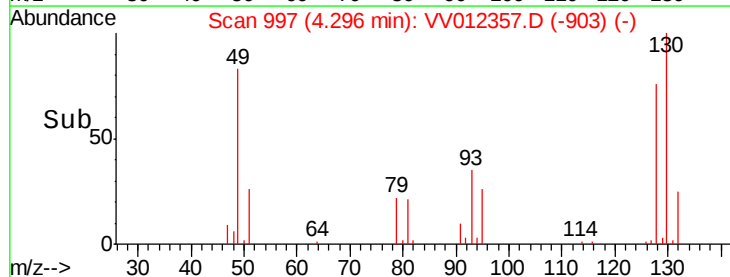
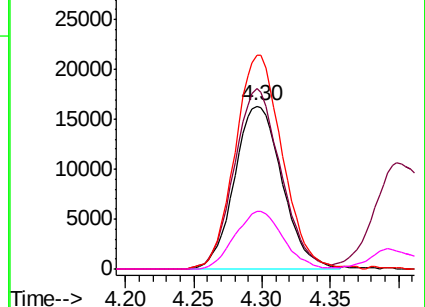


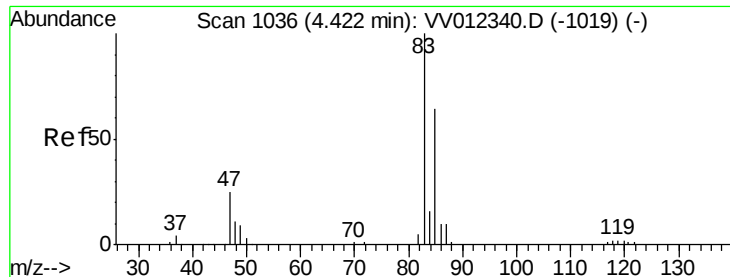
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0

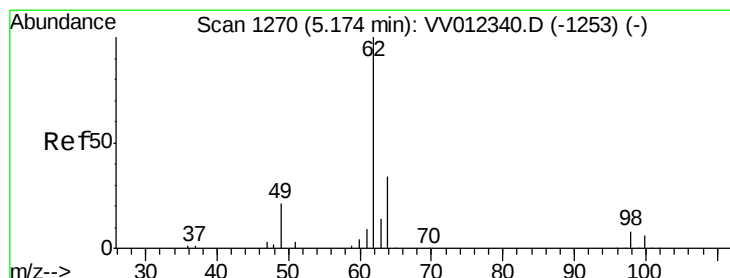
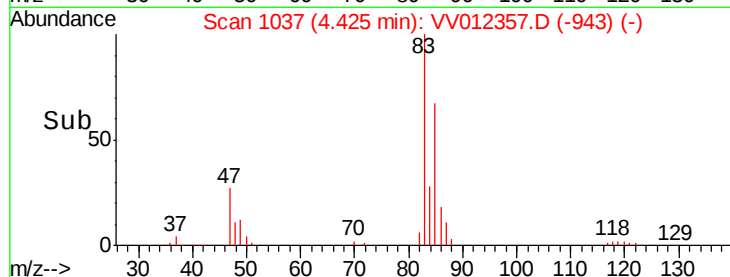
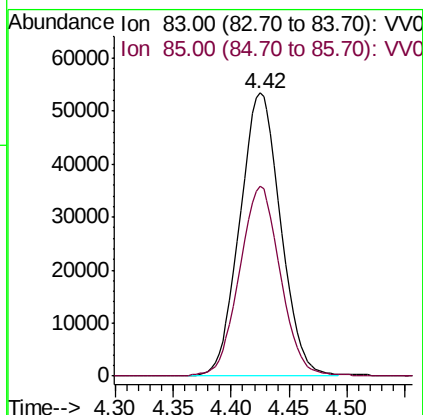
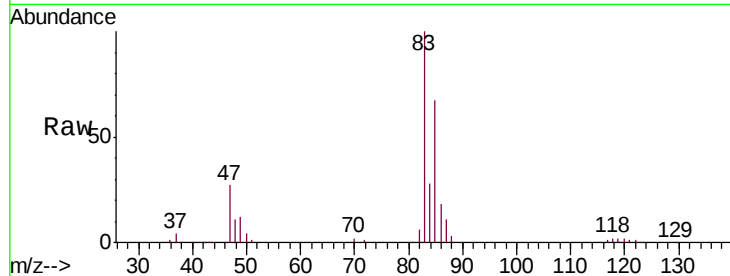




#25
 Chloroform
 Concen: 52.927 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VV012357.D
 Acq: 22 Aug 2019 19:09

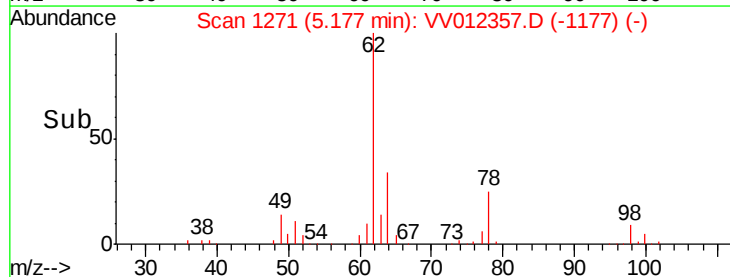
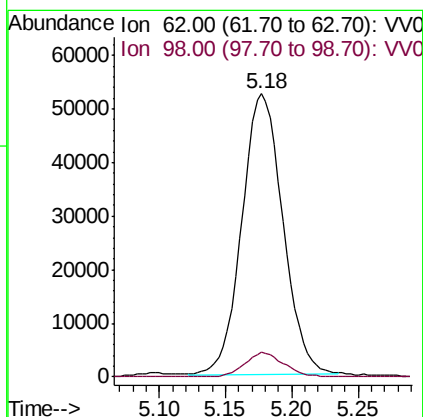
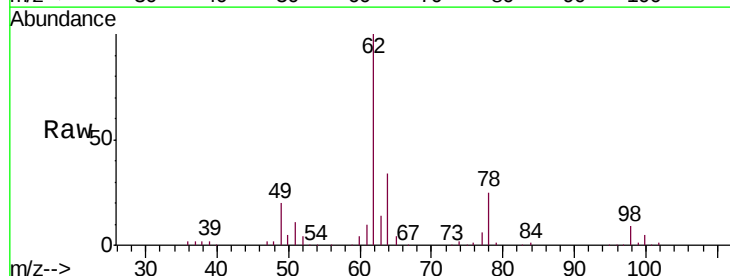
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

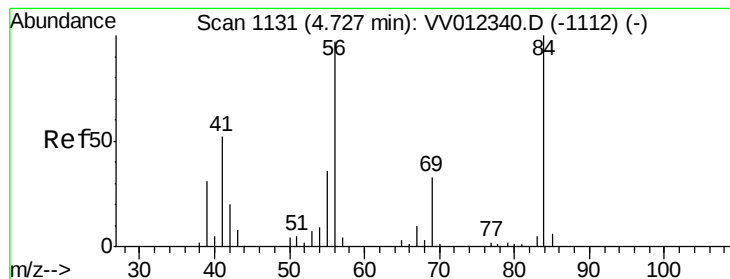
Tgt Ion: 83 Resp: 131132
 Ion Ratio Lower Upper
 83 100
 85 67.3 44.5 82.7



#27
 1,2-Dichloroethane
 Concen: 56.343 ug/L
 RT: 5.18 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VV012357.D
 Acq: 22 Aug 2019 19:09

Tgt Ion: 62 Resp: 113468
 Ion Ratio Lower Upper
 62 100
 98 8.6 6.9 10.3





#29

Cyclohexane

Concen: 50.445 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

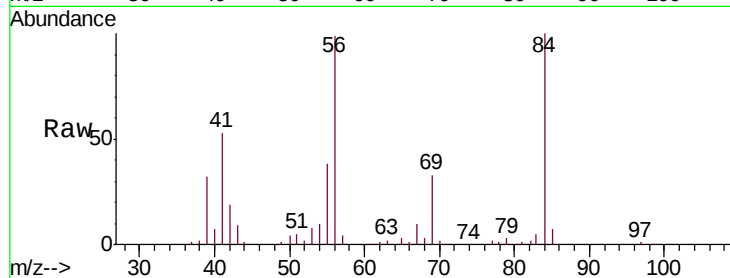
Tgt Ion: 56 Resp: 86986

Ion Ratio Lower Upper

56 100

69 33.1 26.8 40.2

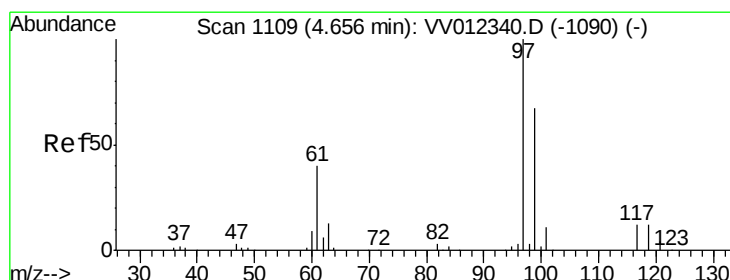
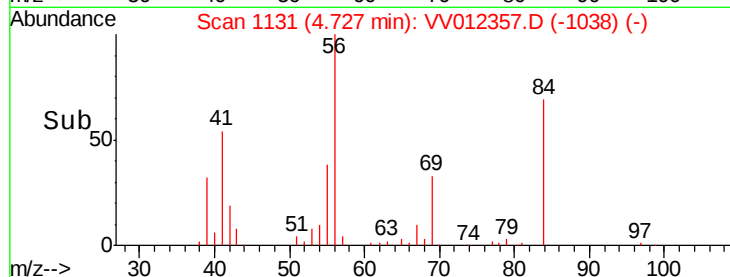
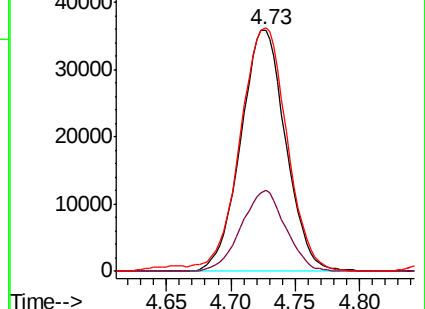
84 105.4 81.7 122.5



Abundance Ion 56.00 (55.70 to 56.70): VV012340.D (-1112) (-)

Ion 69.00 (68.70 to 69.70): VV012340.D (-1112) (-)

Ion 84.00 (83.70 to 84.70): VV012340.D (-1112) (-)



#30

1,1,1-Trichloroethane

Concen: 53.179 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

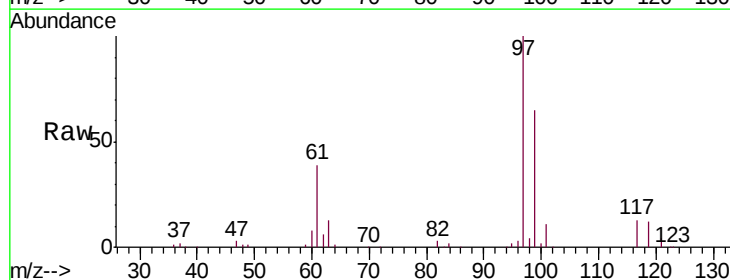
Tgt Ion: 97 Resp: 129660

Ion Ratio Lower Upper

97 100

99 65.0 50.8 76.2

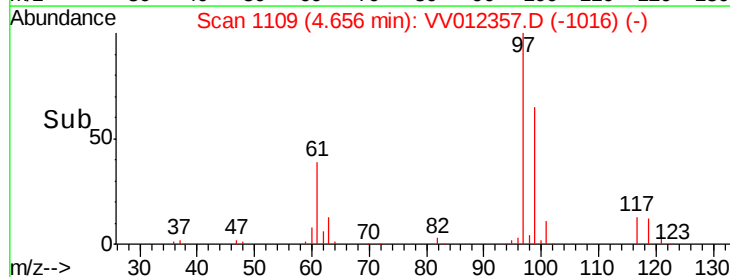
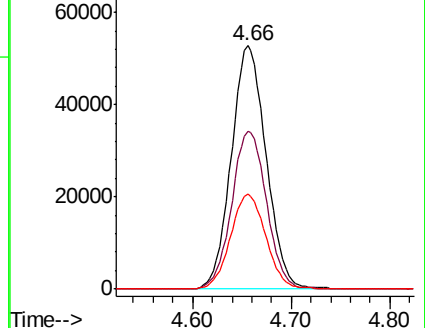
61 39.5 31.0 46.6

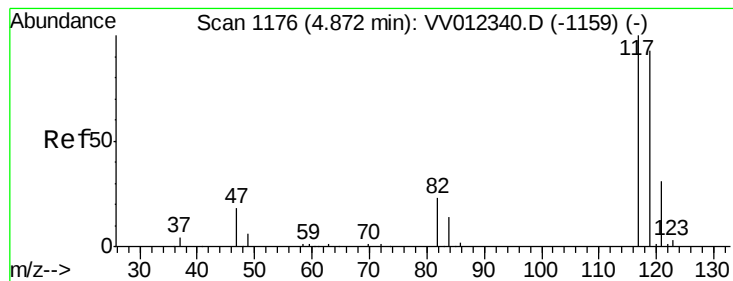


Abundance Ion 97.00 (96.70 to 97.70): VV012340.D (-1090) (-)

Ion 99.00 (98.70 to 99.70): VV012340.D (-1090) (-)

Ion 61.05 (60.75 to 61.75): VV012340.D (-1090) (-)





#31

Carbon tetrachloride

Concen: 55.175 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

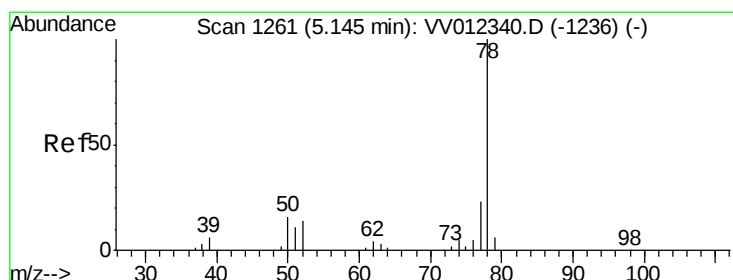
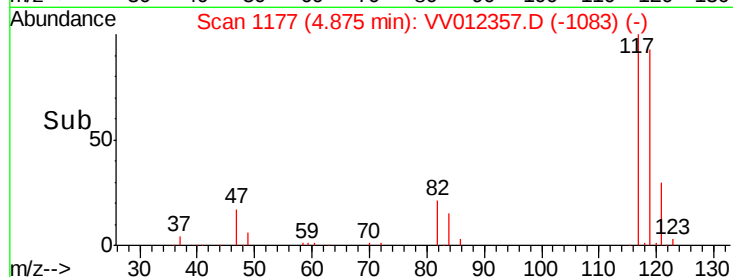
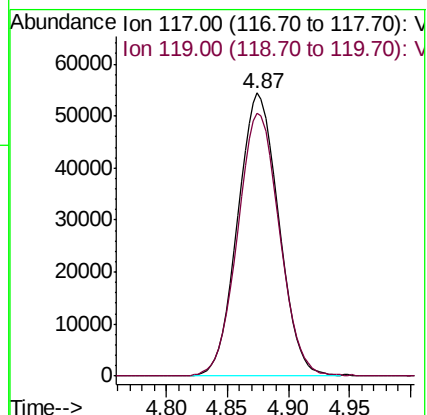
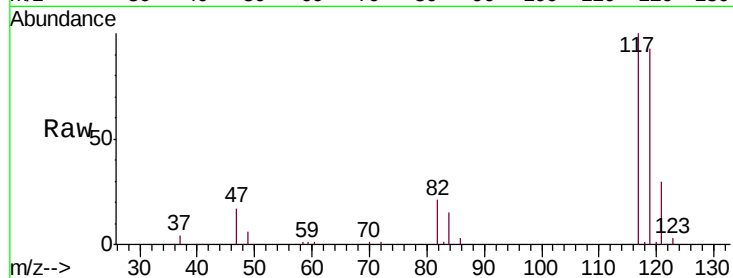
VSTD05079

Tgt Ion:117 Resp: 126373

Ion Ratio Lower Upper

117 100

119 95.0 77.7 116.5



#33

Benzene

Concen: 53.634 ug/L

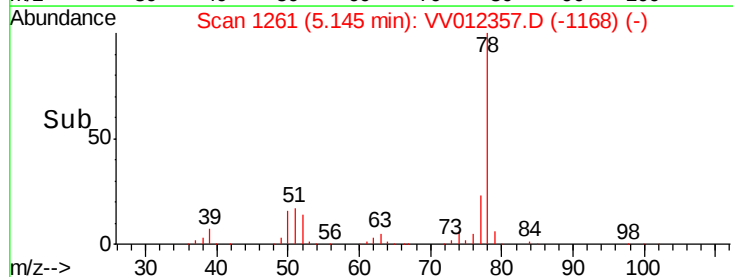
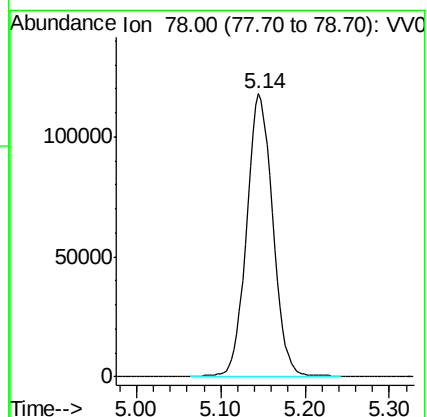
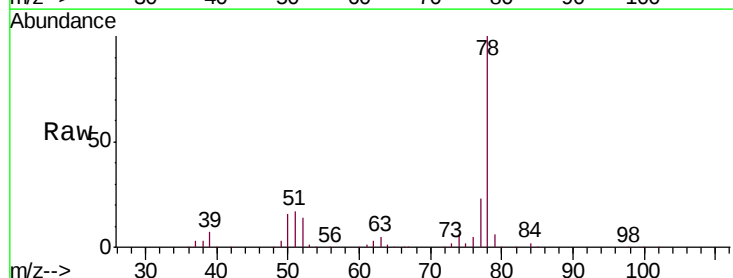
RT: 5.14 min Scan# 1261

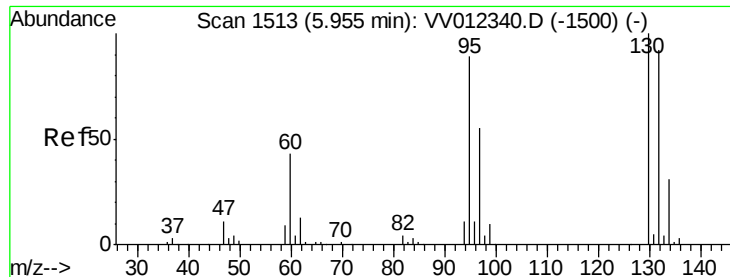
Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

Tgt Ion: 78 Resp: 256060

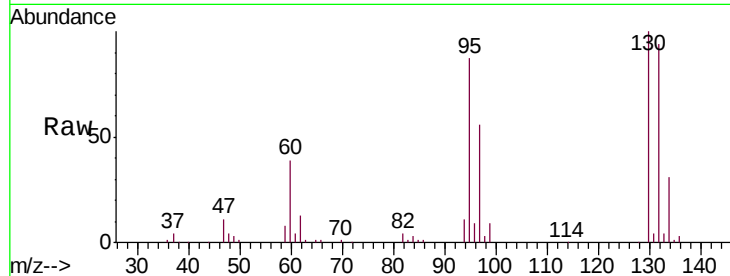




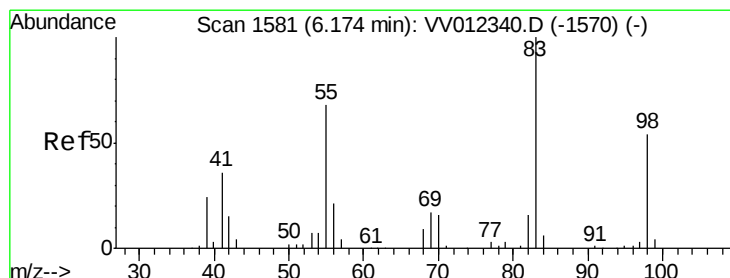
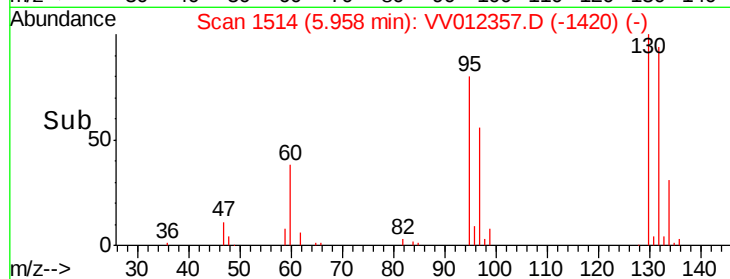
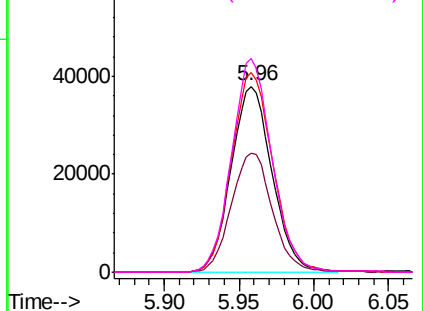
#34
 Trichloroethene
 Concen: 51.728 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012357.D
 Acq: 22 Aug 2019 19:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Tgt Ion: 95 Resp: 72334
 Ion Ratio Lower Upper
 95 100
 97 63.9 43.6 81.0
 132 107.4 73.9 137.3
 130 114.8 76.6 142.2

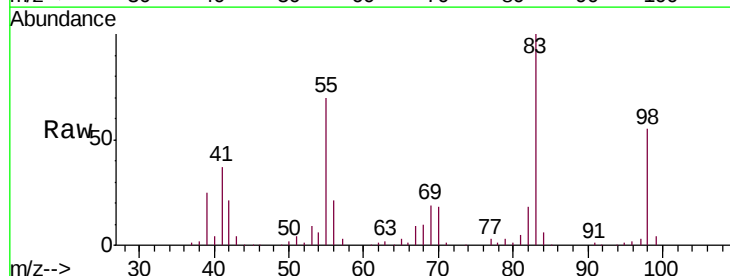


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

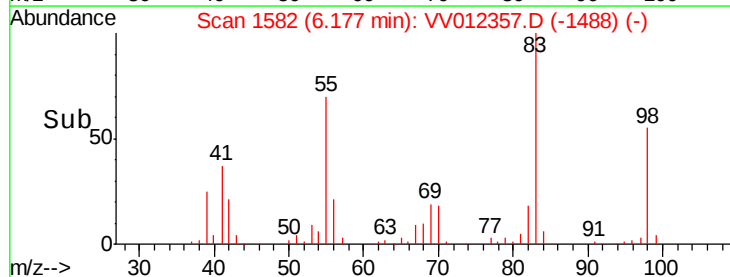
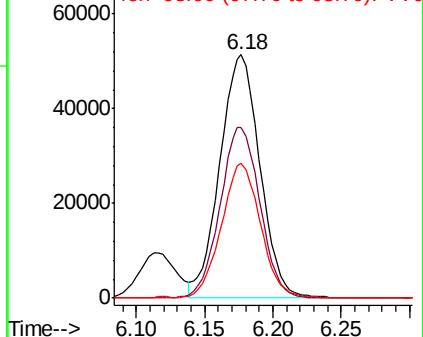


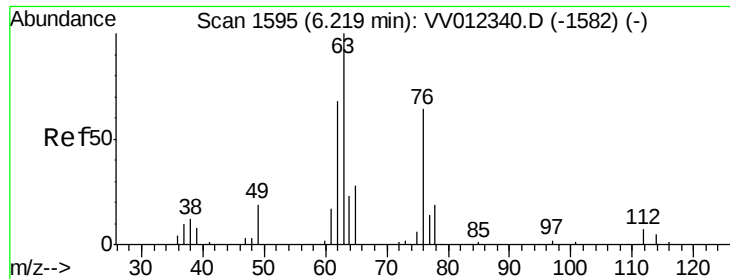
#35
 Methylcyclohexane
 Concen: 49.691 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV012357.D
 Acq: 22 Aug 2019 19:09

Tgt Ion: 83 Resp: 105065
 Ion Ratio Lower Upper
 83 100
 55 69.4 56.2 84.4
 98 54.2 42.2 63.4



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

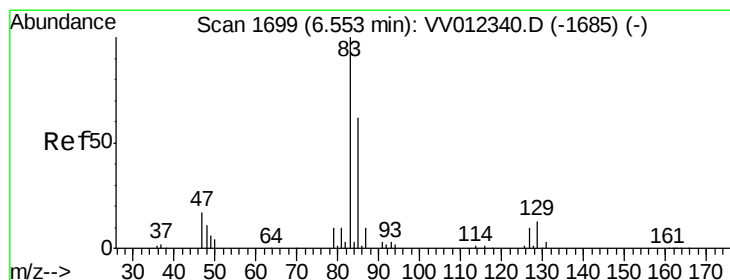
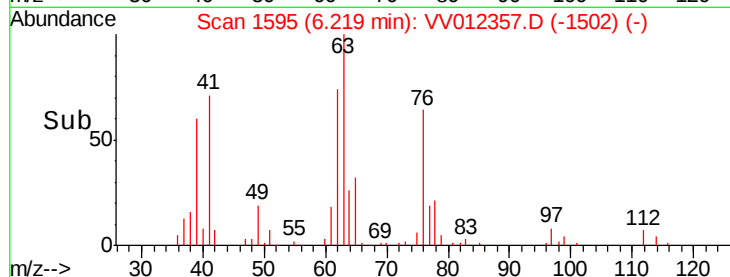
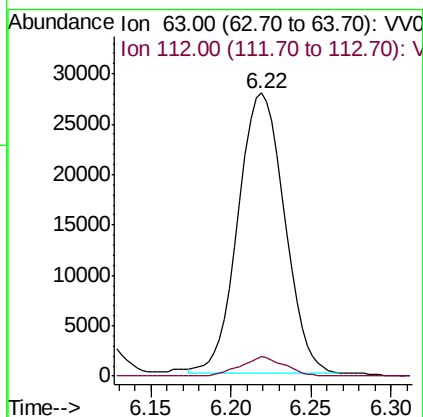
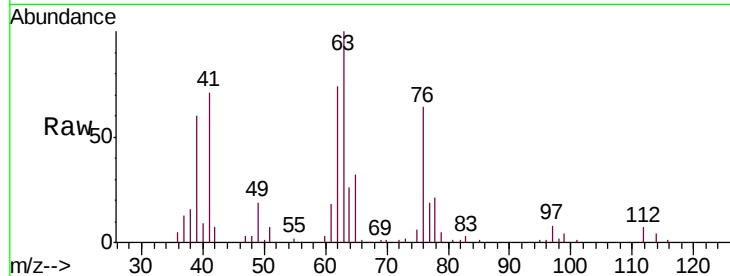




#37
 1,2-Dichloropropane
 Concen: 51.093 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV012357.D
 Acq: 22 Aug 2019 19:09

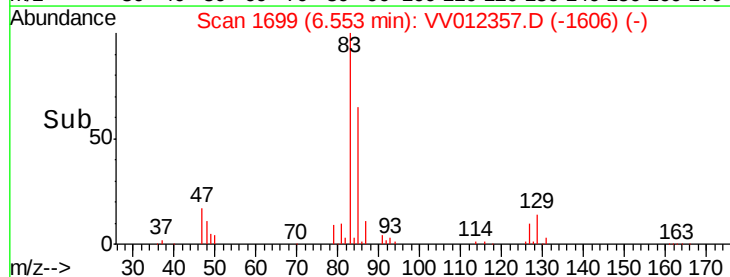
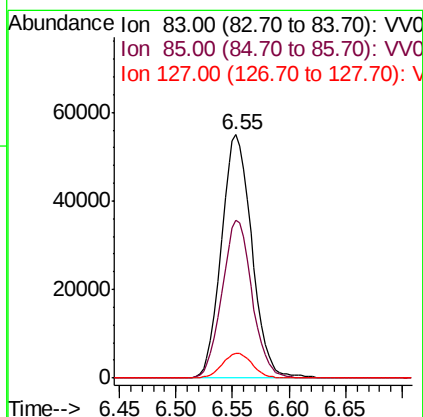
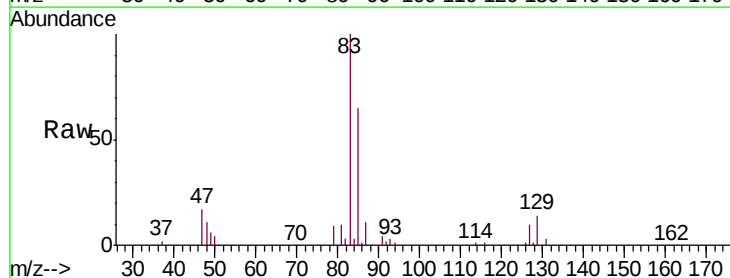
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

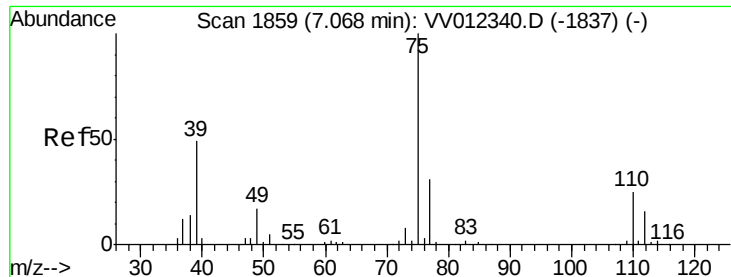
Tgt Ion: 63 Resp: 55298
 Ion Ratio Lower Upper
 63 100
 112 6.4 4.7 7.1



#38
 Bromodichloromethane
 Concen: 54.462 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012357.D
 Acq: 22 Aug 2019 19:09

Tgt Ion: 83 Resp: 103172
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.7 84.9
 127 10.3 7.8 11.8

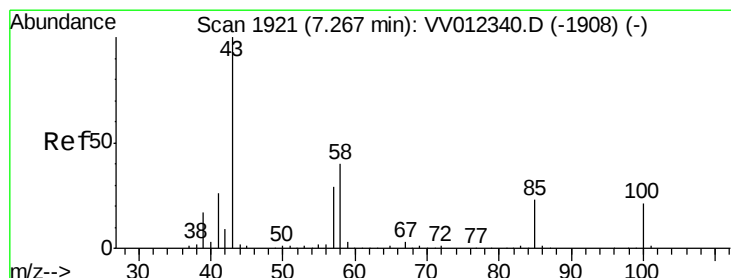
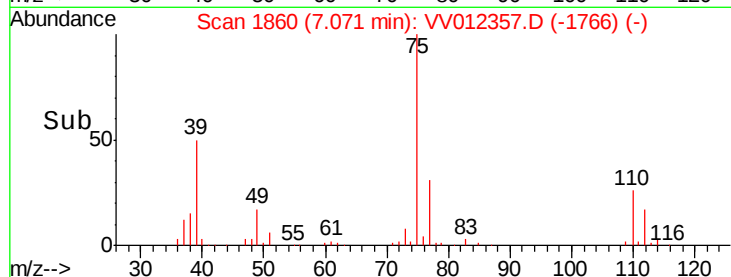
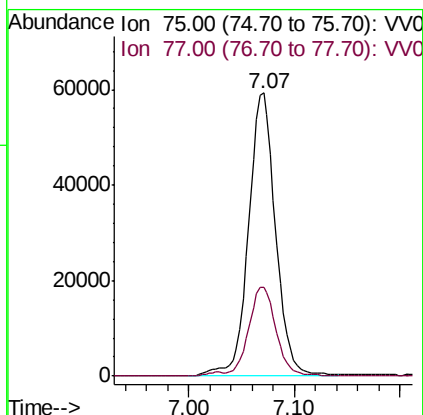
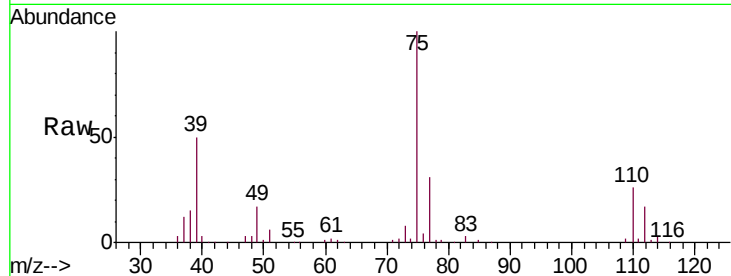




#39
 cis-1,3-Dichloropropene
 Concen: 52.989 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012357.D
 Acq: 22 Aug 2019 19:09

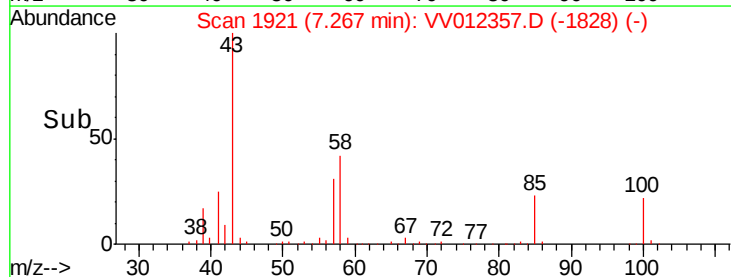
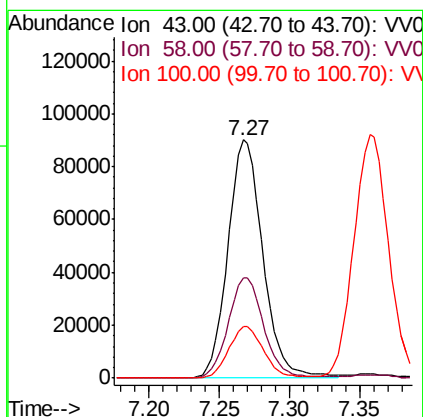
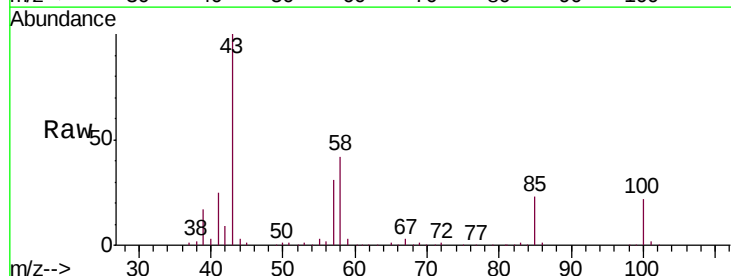
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

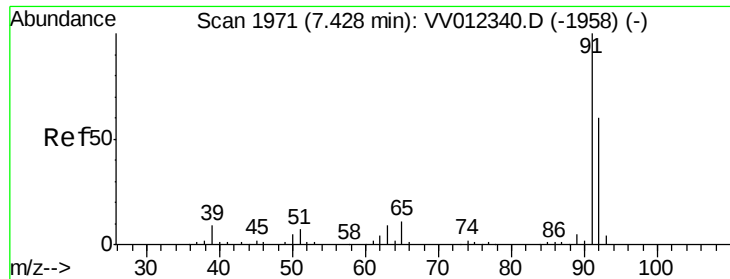
Tgt Ion: 75 Resp: 106463
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 107.651 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VV012357.D
 Acq: 22 Aug 2019 19:09

Tgt Ion: 43 Resp: 156655
 Ion Ratio Lower Upper
 43 100
 58 42.4 33.7 50.5
 100 21.5 17.8 26.6





#42

Toluene

Concen: 53.722 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

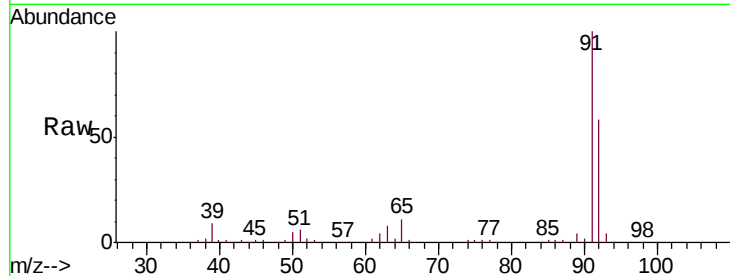
VSTD05079

Tgt Ion: 91 Resp: 289315

Ion Ratio Lower Upper

91 100

92 58.0 42.4 78.6



Abundance Ion 91.00 (90.70 to 91.70): VV012340.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV012357.D (-1878) (-)

7.43

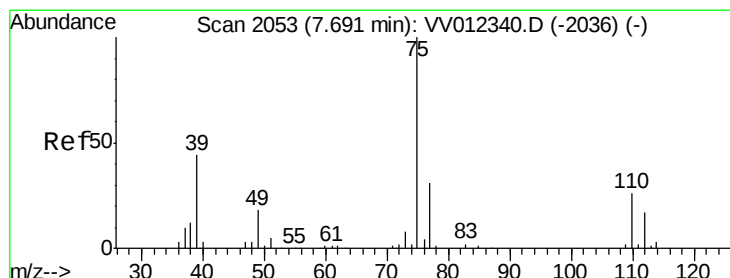
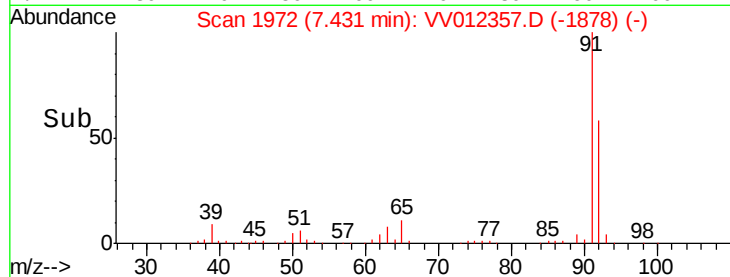
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.615 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012357.D

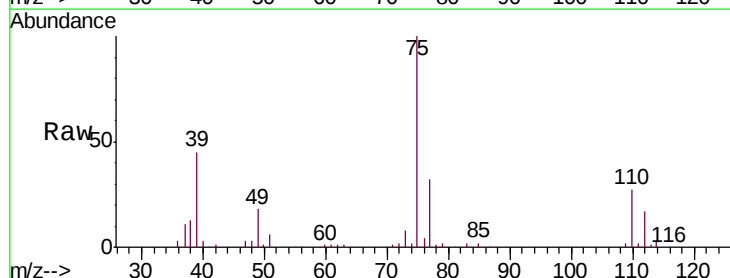
Acq: 22 Aug 2019 19:09

Tgt Ion: 75 Resp: 100752

Ion Ratio Lower Upper

75 100

77 31.6 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV012340.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV012357.D (-1960) (-)

7.69

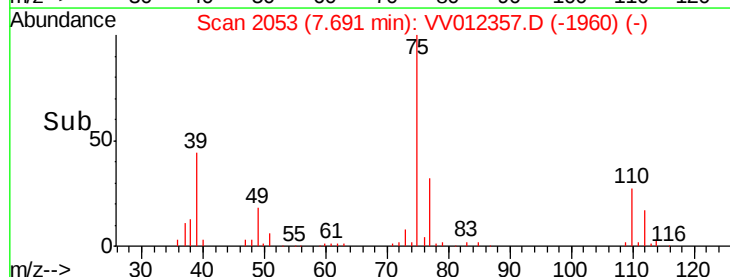
60000

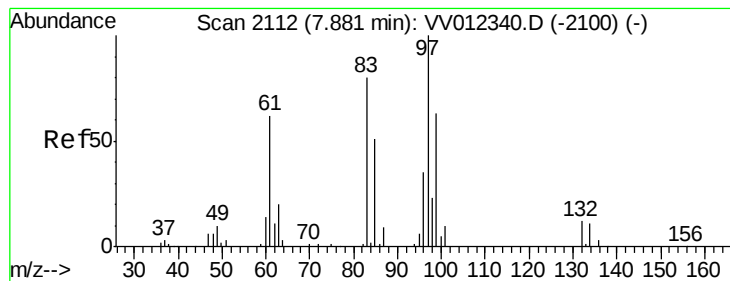
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 54.082 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

Tgt Ion: 97 Resp: 67666

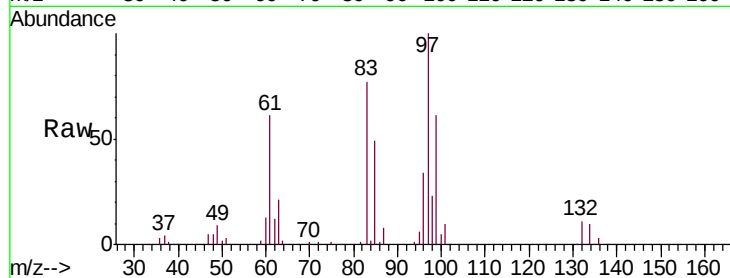
Ion Ratio Lower Upper

97 100

99 61.5 45.5 84.5

83 76.8 58.5 108.7

85 49.3 36.8 68.4

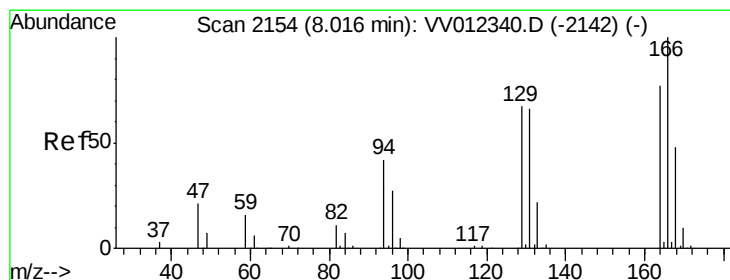
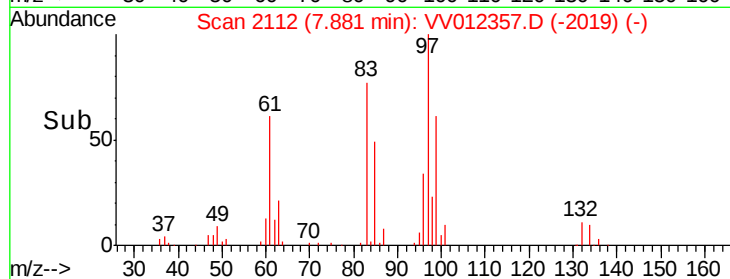
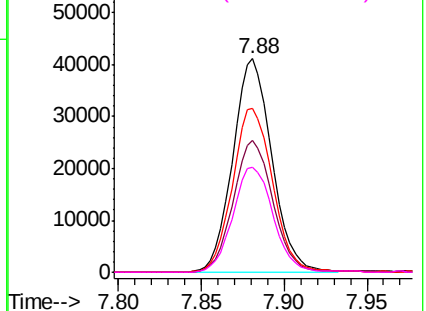


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 51.322 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

Tgt Ion: 164 Resp: 68674

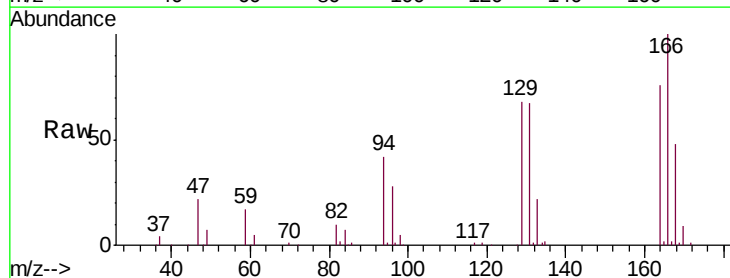
Ion Ratio Lower Upper

164 100

129 89.0 61.5 114.3

131 87.3 56.6 105.0

166 130.9 88.2 163.8

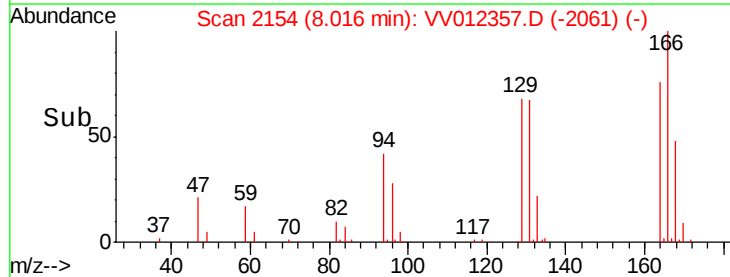
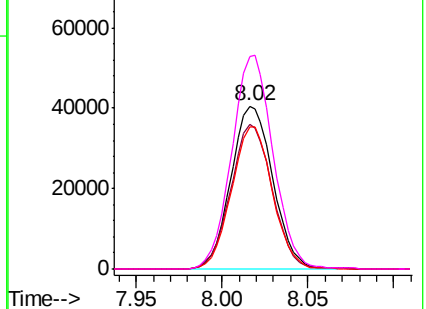


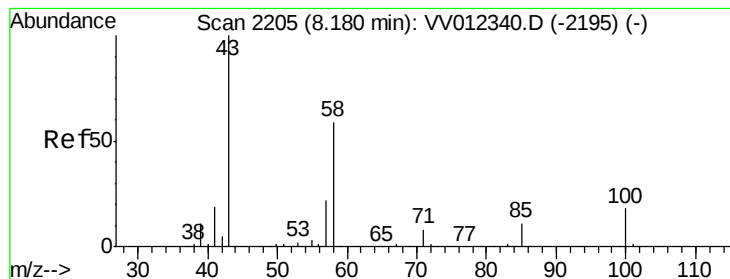
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 109.898 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

Tgt Ion: 43 Resp: 120736

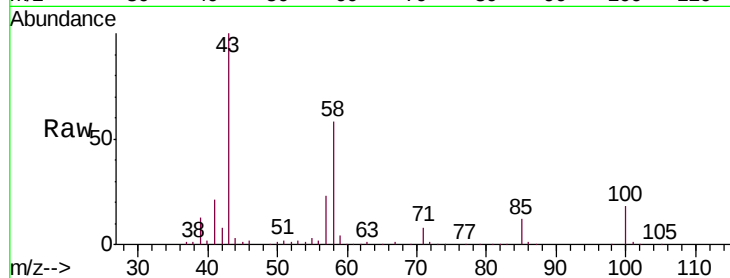
Ion Ratio Lower Upper

43 100

58 54.3 45.7 68.5

57 21.3 16.8 25.2

100 17.0 13.7 20.5

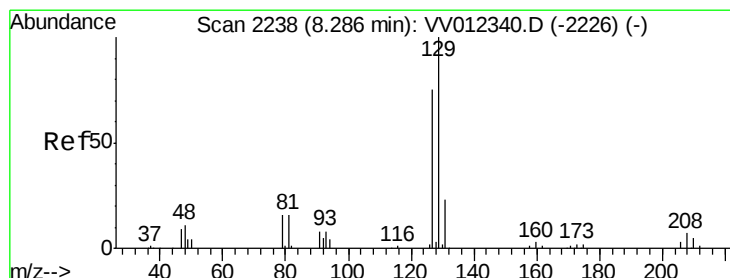
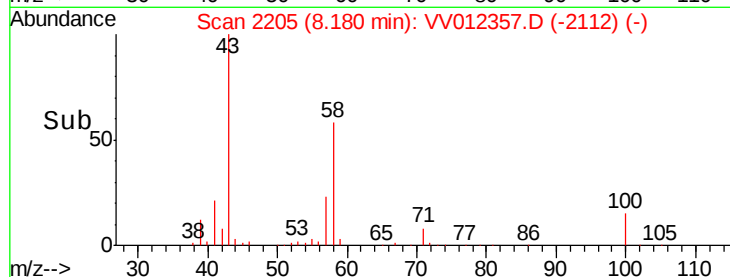
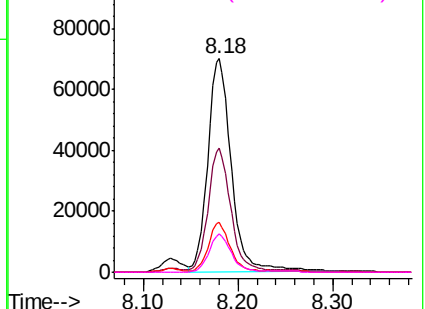


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#49

Dibromochloromethane

Concen: 53.178 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV012357.D

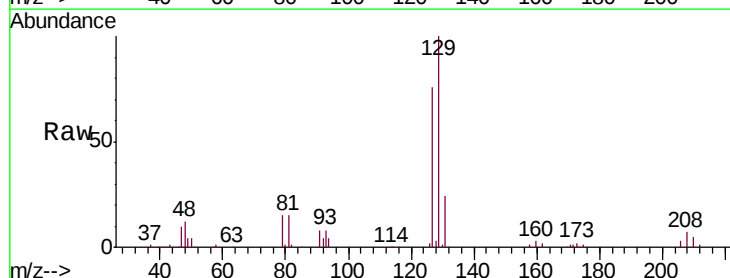
Acq: 22 Aug 2019 19:09

Tgt Ion: 129 Resp: 89974

Ion Ratio Lower Upper

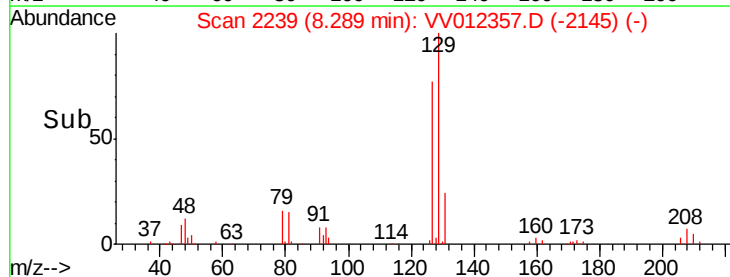
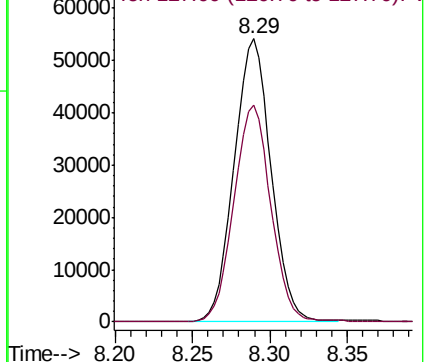
129 100

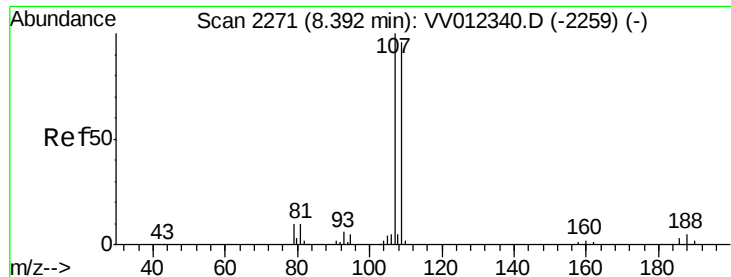
127 76.4 53.5 99.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

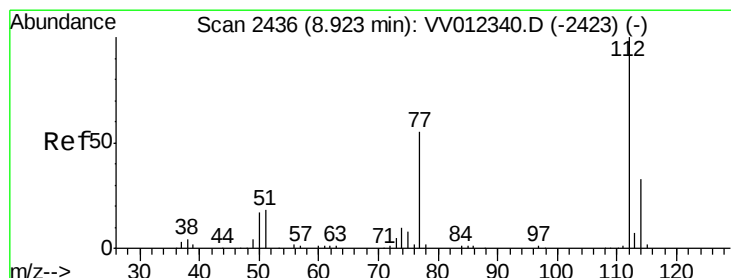
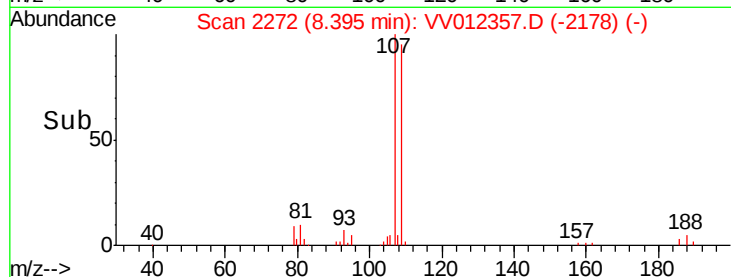
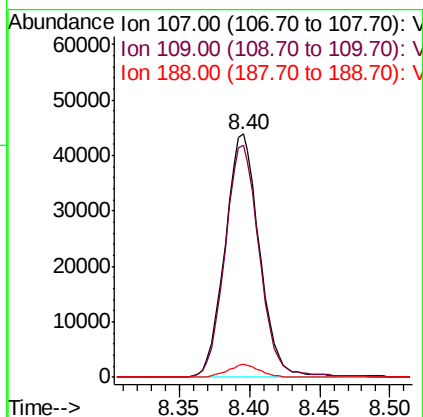
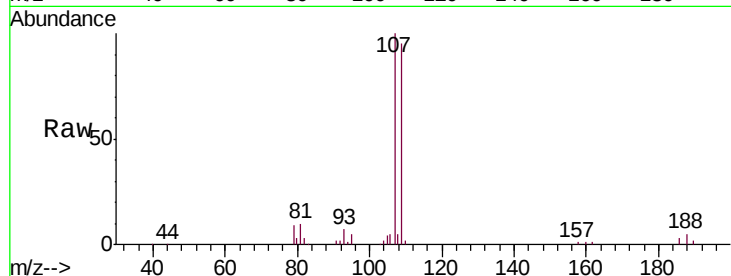




#50
1,2-Dibromoethane
Concen: 53.892 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012357.D
Acq: 22 Aug 2019 19:09

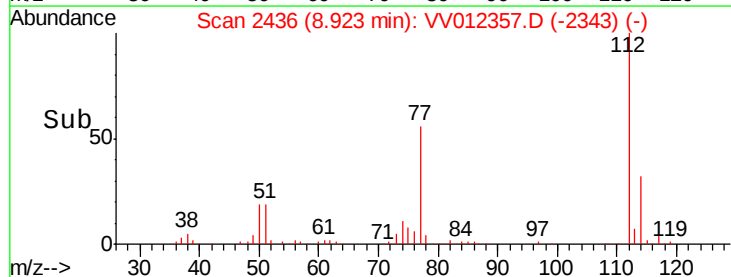
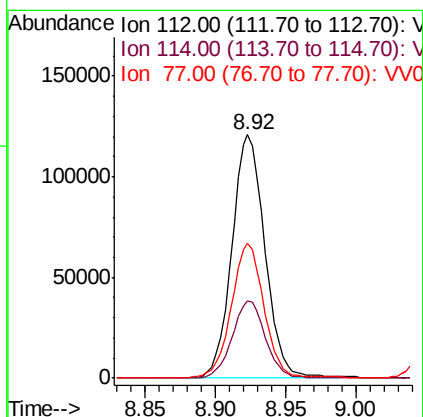
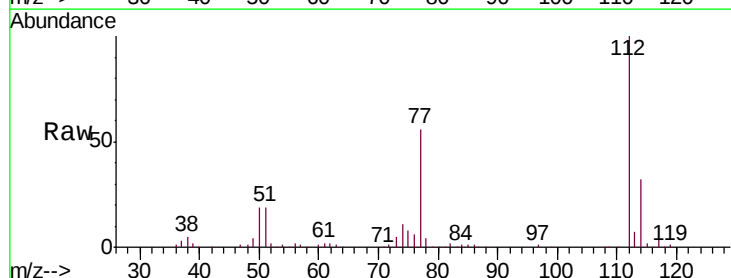
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

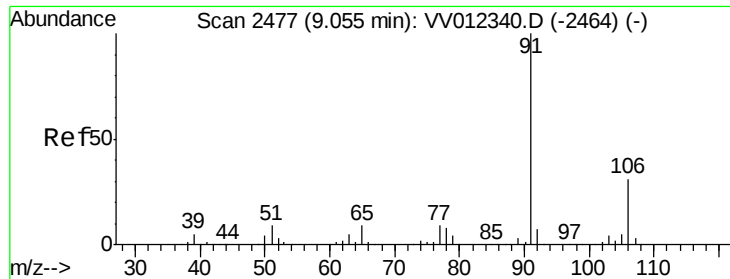
Tgt Ion:107 Resp: 74833
Ion Ratio Lower Upper
107 100
109 95.2 65.7 121.9
188 5.2 3.9 5.9



#51
Chlorobenzene
Concen: 53.085 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012357.D
Acq: 22 Aug 2019 19:09

Tgt Ion:112 Resp: 197907
Ion Ratio Lower Upper
112 100
114 31.8 23.4 43.6
77 55.5 43.8 65.6





#52

Ethylbenzene

Concen: 53.017 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

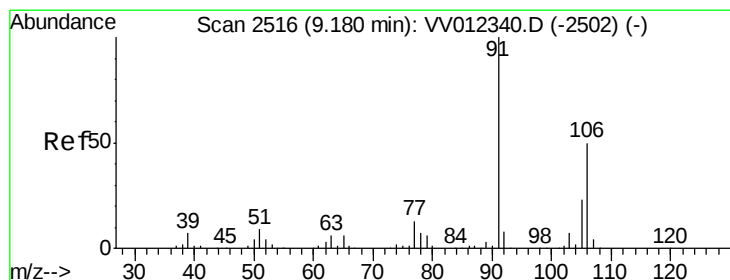
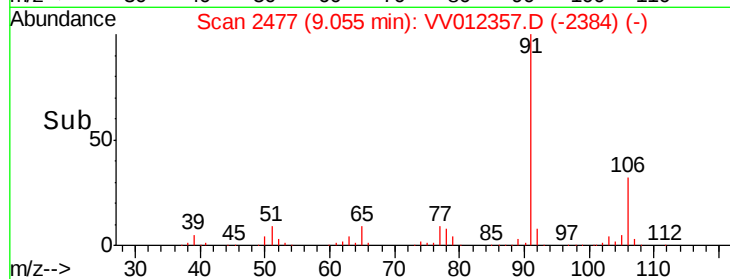
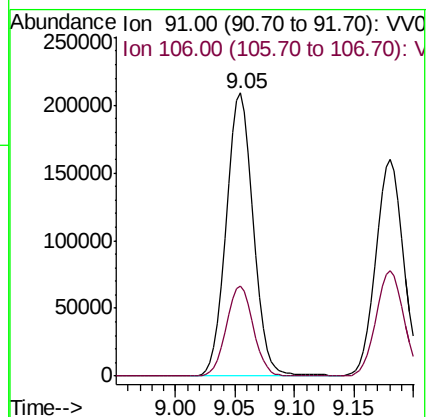
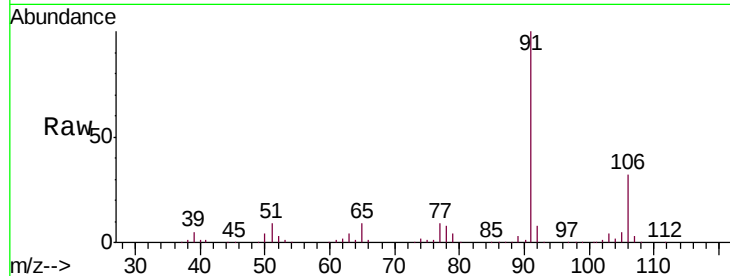
VSTD05079

Tgt Ion: 91 Resp: 329985

Ion Ratio Lower Upper

91 100

106 31.7 22.0 41.0



#53

m,p-Xylene

Concen: 52.655 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012357.D

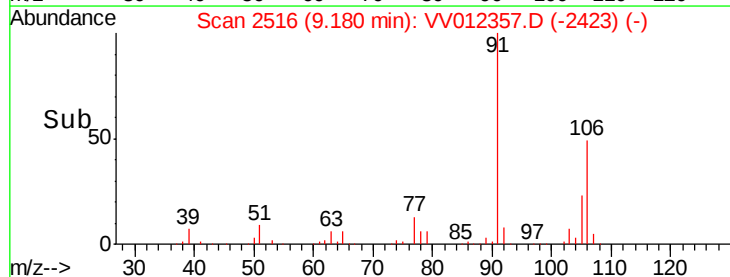
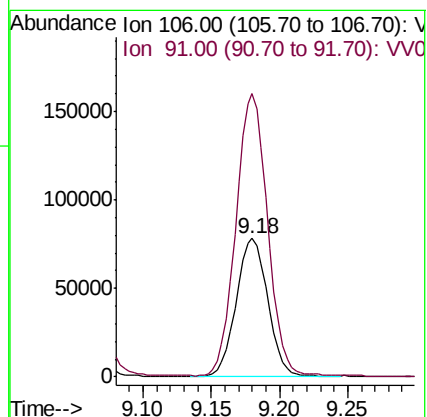
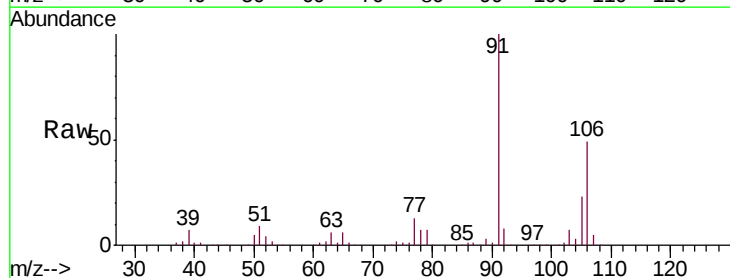
Acq: 22 Aug 2019 19:09

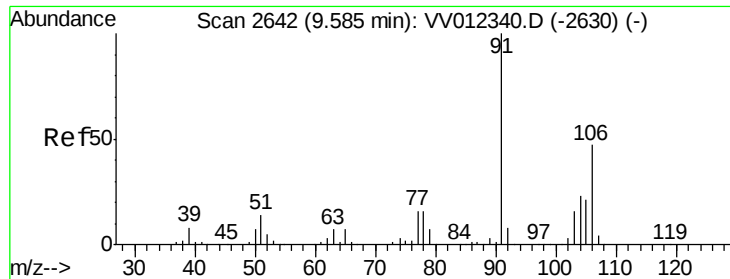
Tgt Ion: 106 Resp: 127193

Ion Ratio Lower Upper

106 100

91 204.8 143.5 266.5





#54

o-xylene

Concen: 53.279 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

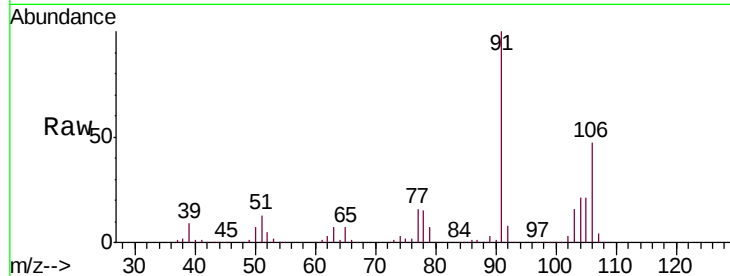
VSTD05079

Tgt Ion:106 Resp: 126325

Ion Ratio Lower Upper

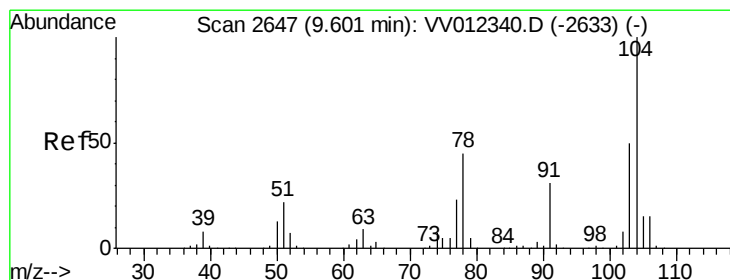
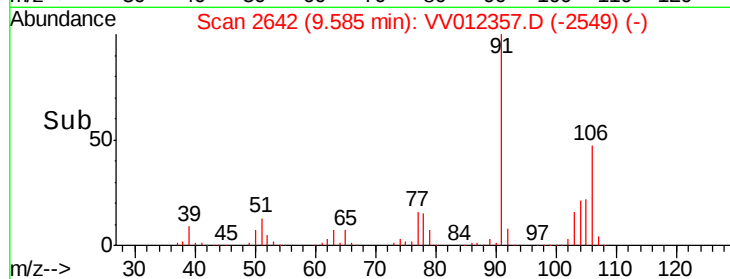
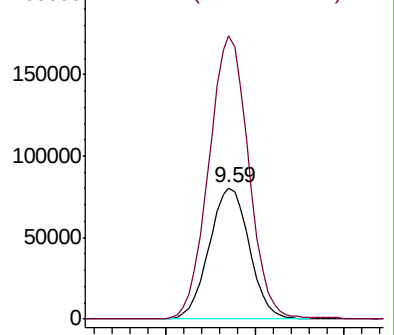
106 100

91 215.0 149.2 277.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 54.678 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV012357.D

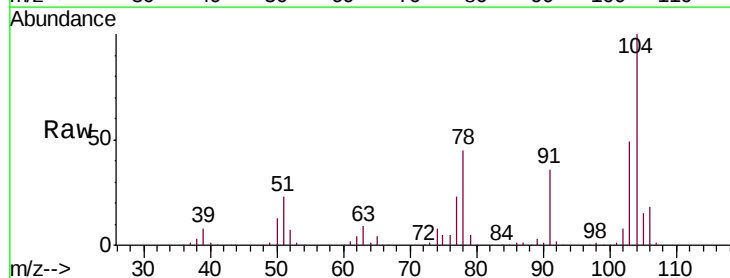
Acq: 22 Aug 2019 19:09

Tgt Ion:104 Resp: 217094

Ion Ratio Lower Upper

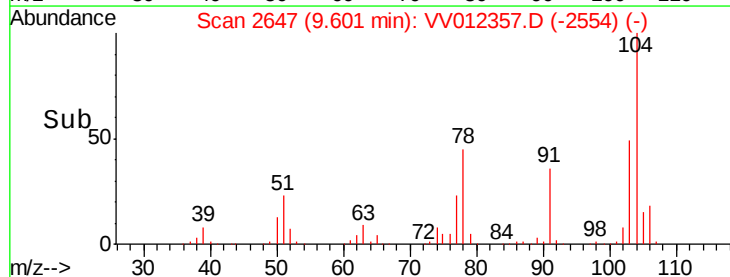
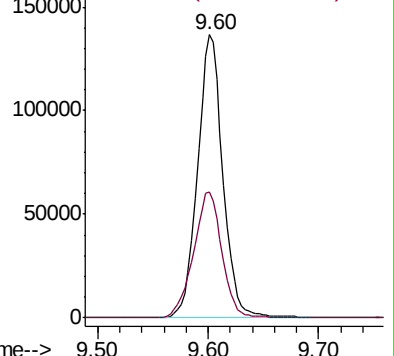
104 100

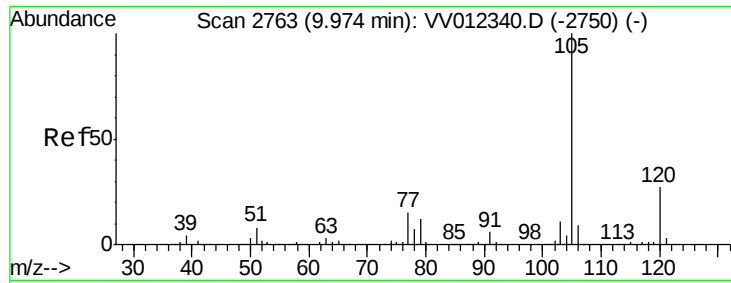
78 44.7 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 52.881 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

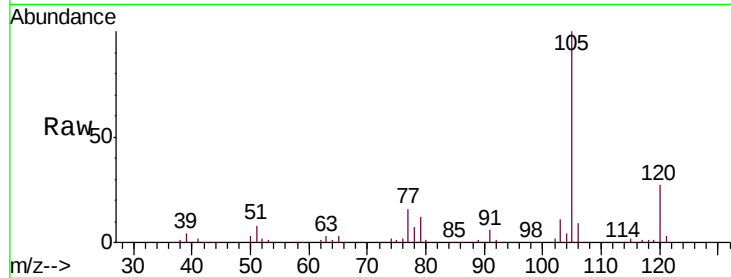
Tgt Ion: 105 Resp: 339687

Ion Ratio Lower Upper

105 100

120 27.2 21.2 31.8

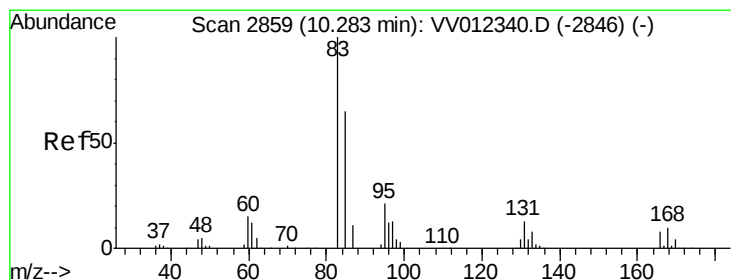
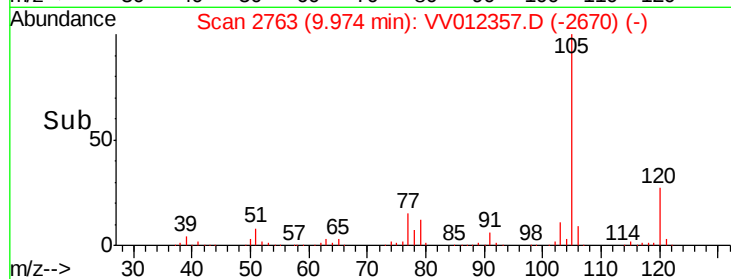
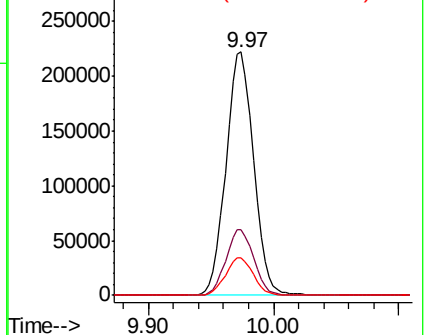
77 15.4 12.2 18.2



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



#58

1,1,2,2-Tetrachloroethane

Concen: 53.383 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

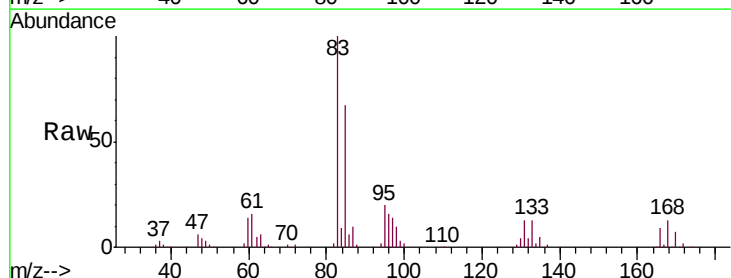
Tgt Ion: 83 Resp: 97055

Ion Ratio Lower Upper

83 100

85 66.9 44.6 82.8

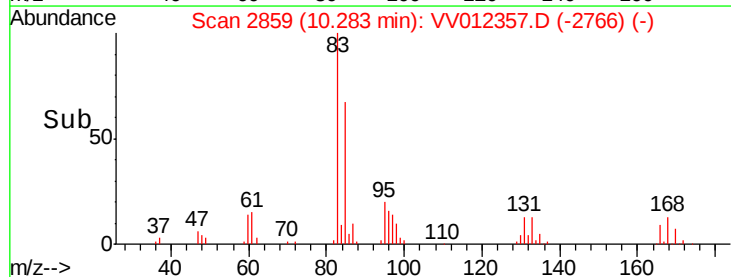
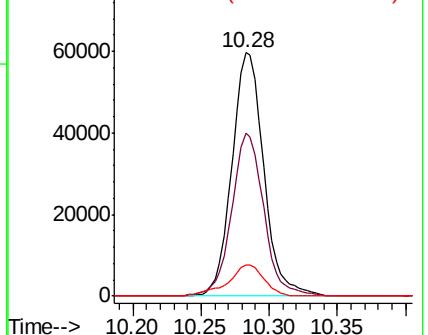
131 13.0 9.7 14.5

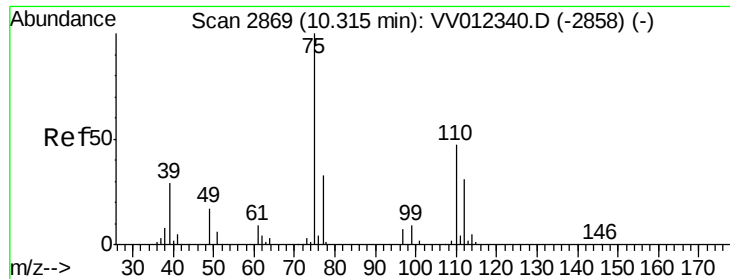


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 54.498 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

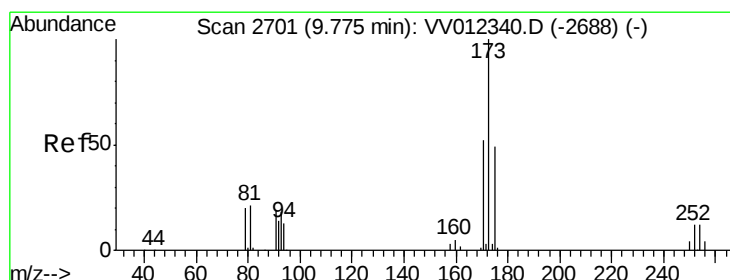
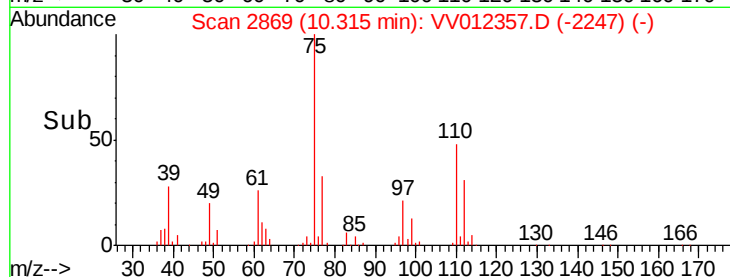
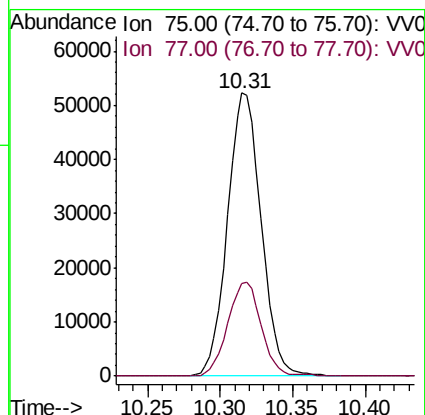
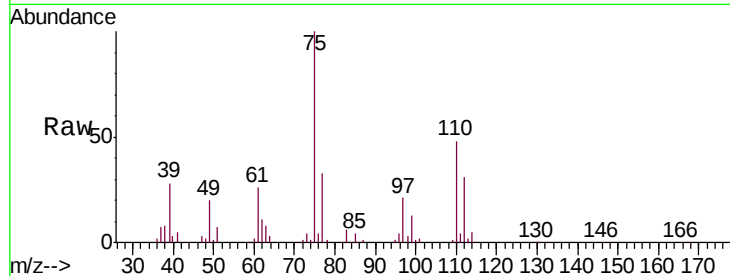
VSTD05079

Tgt Ion: 75 Resp: 84049

Ion Ratio Lower Upper

75 100

77 32.8 26.8 40.2



#61

Bromoform

Concen: 51.813 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

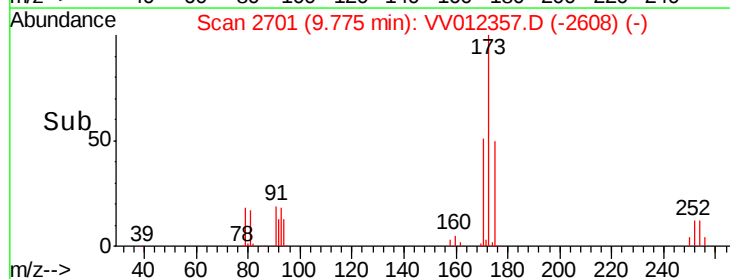
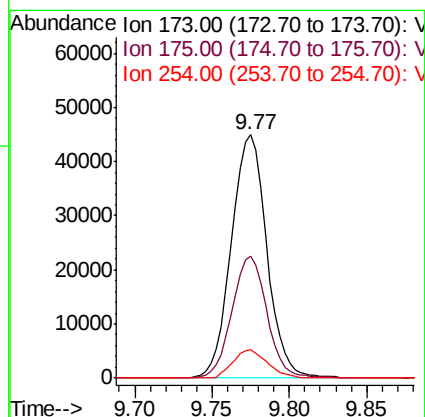
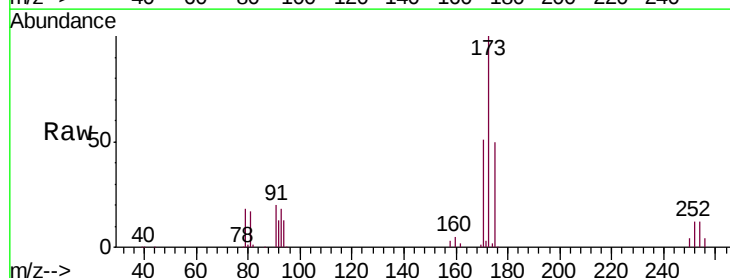
Tgt Ion: 173 Resp: 71558

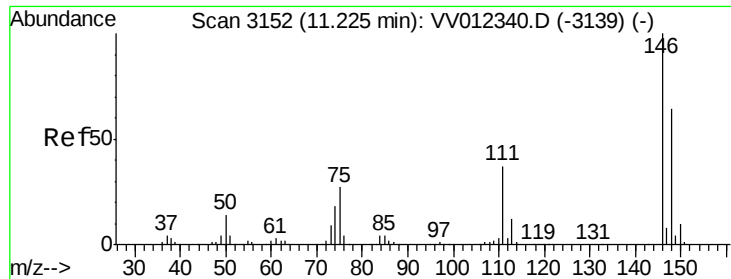
Ion Ratio Lower Upper

173 100

175 49.3 39.0 58.4

254 11.4 9.3 13.9





#62

1,3-Dichlorobenzene

Concen: 52.603 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleID :

VSTD05079

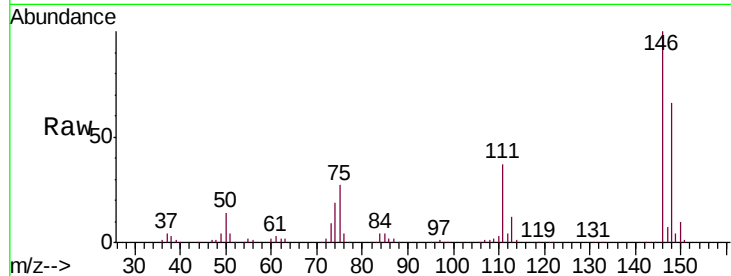
Tgt Ion:146 Resp: 171333

Ion Ratio Lower Upper

146 100

111 37.3 26.7 49.7

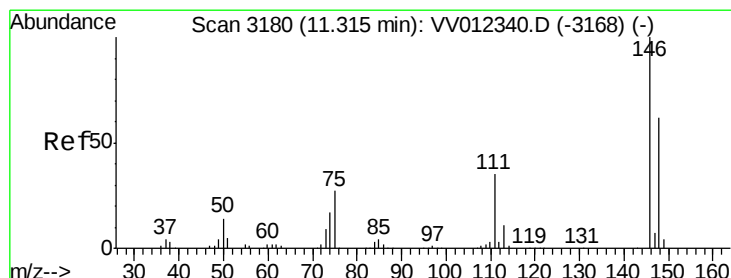
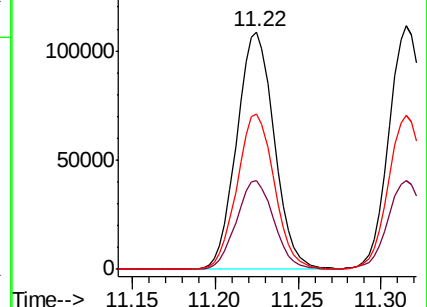
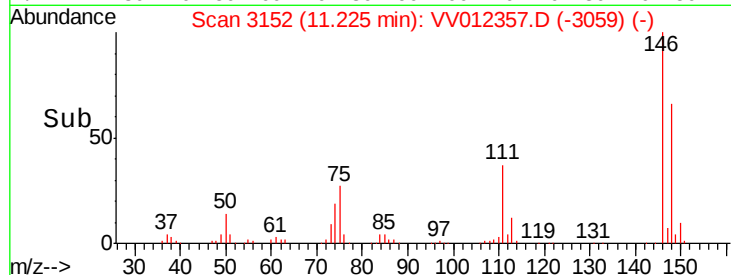
148 65.6 45.8 85.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 52.347 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

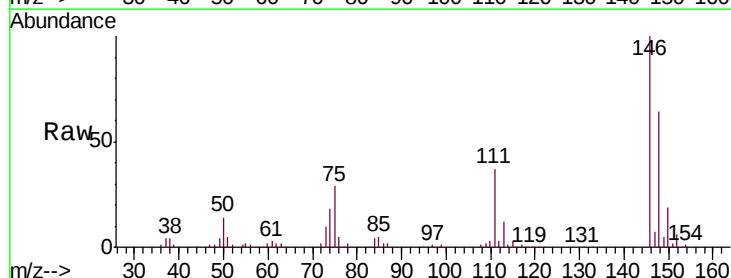
Tgt Ion:146 Resp: 172055

Ion Ratio Lower Upper

146 100

111 36.6 25.8 47.8

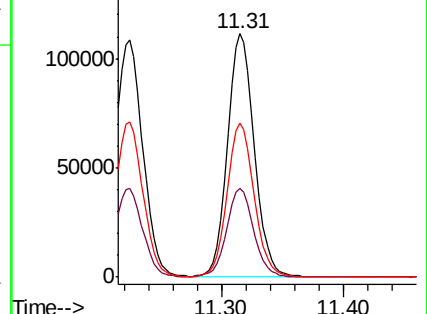
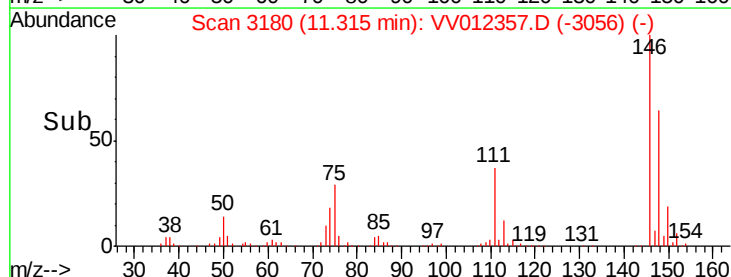
148 63.5 45.4 84.4

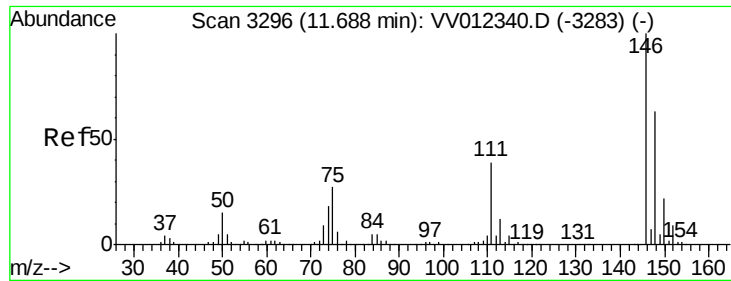


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 52.606 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

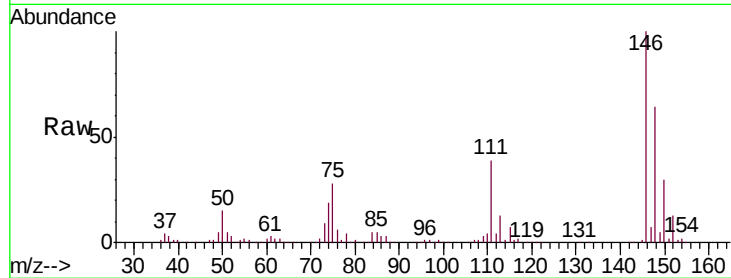
Tgt Ion: 146 Resp: 173385

Ion Ratio Lower Upper

146 100

111 38.9 30.5 45.7

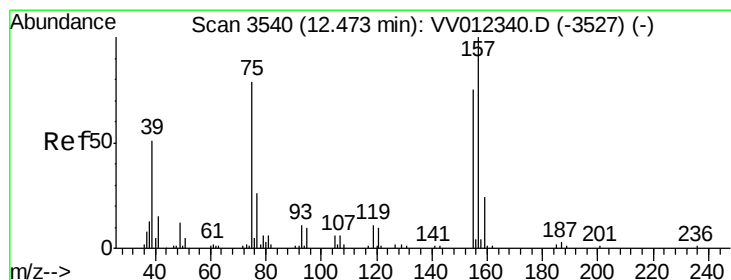
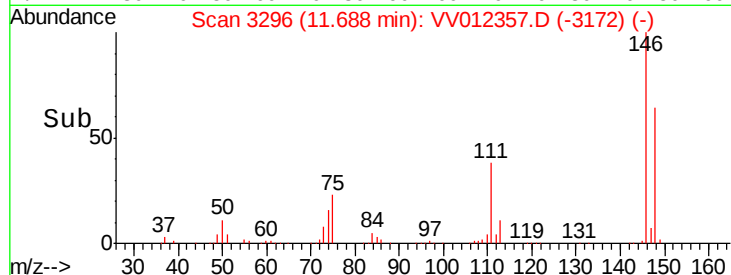
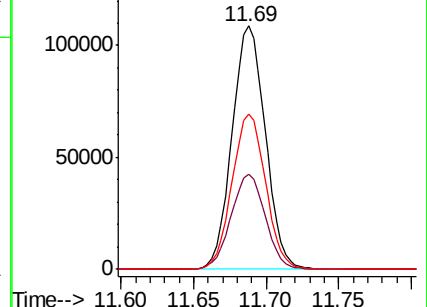
148 63.9 50.4 75.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 55.630 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

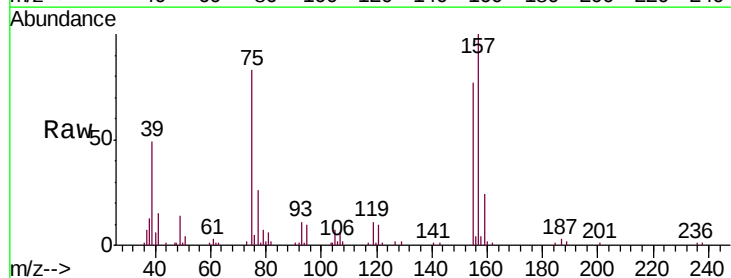
Tgt Ion: 75 Resp: 26674

Ion Ratio Lower Upper

75 100

155 93.0 83.6 125.4

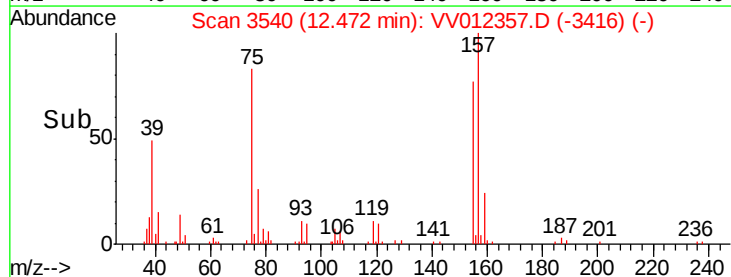
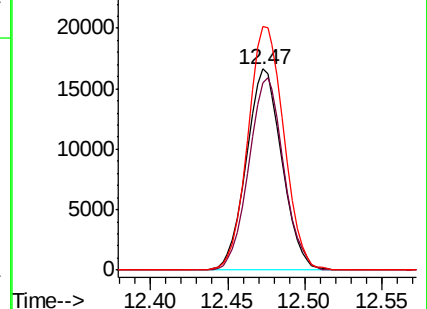
157 121.0 106.1 159.1

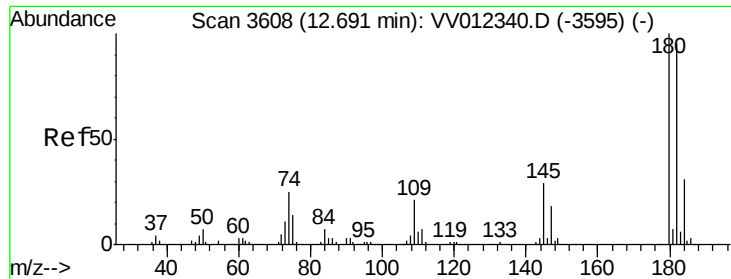


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

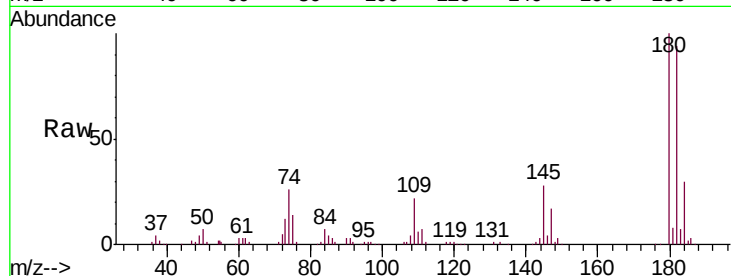




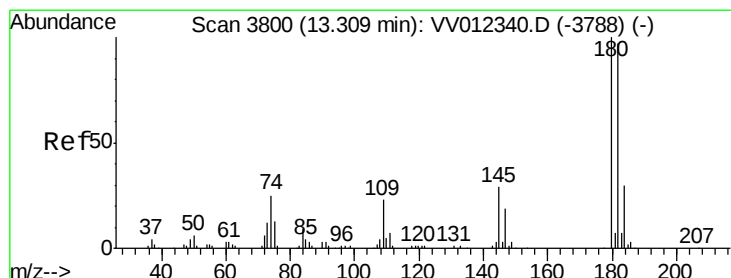
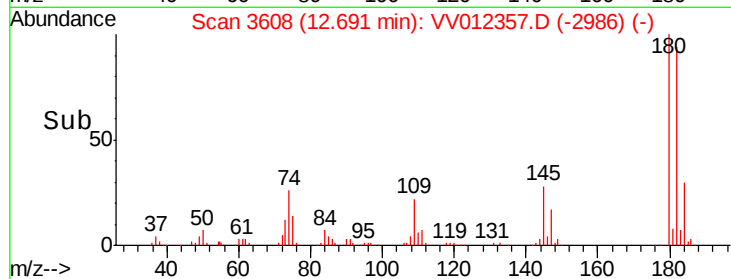
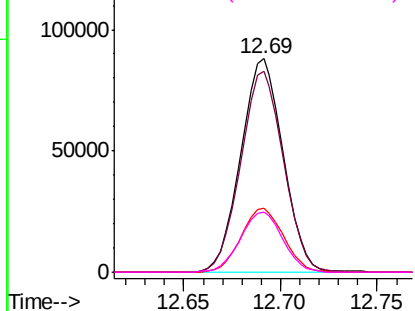
#67
 1,3,5-Trichlorobenzene
 Concen: 52.032 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012357.D
 Acq: 22 Aug 2019 19:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Tgt Ion:	180	Resp:	134335
Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.6	116.4
184	30.1	24.9	37.3
145	28.5	23.3	34.9

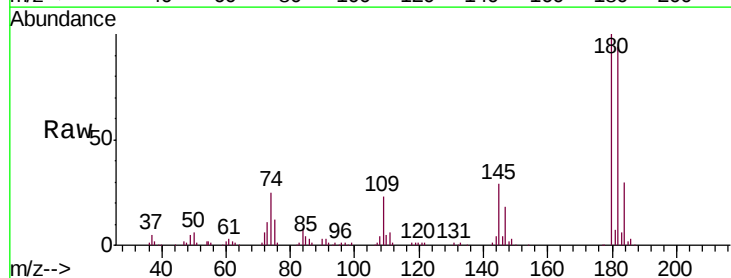


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

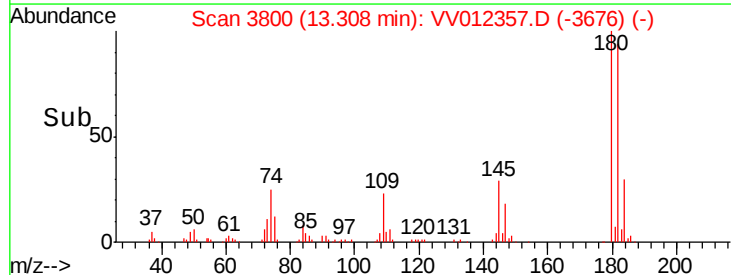
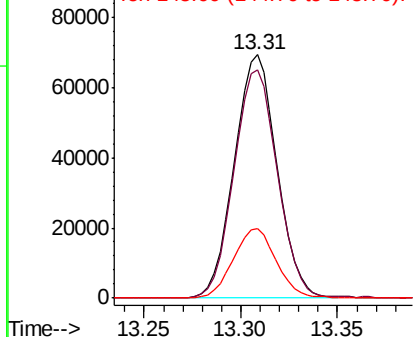


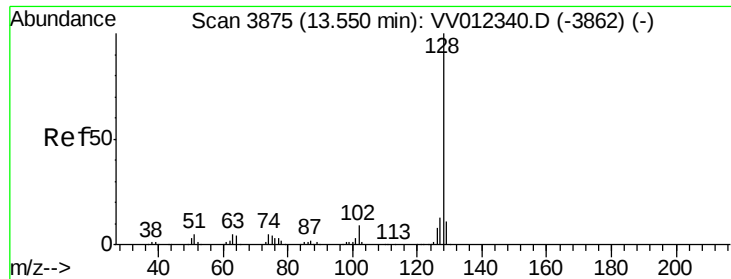
#68
 1,2,4-trichlorobenzene
 Concen: 52.804 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV012357.D
 Acq: 22 Aug 2019 19:09

Tgt Ion:	180	Resp:	106667
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.7	115.1
145	28.7	23.4	35.2



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





#69

Naphthalene

Concen: 49.843 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

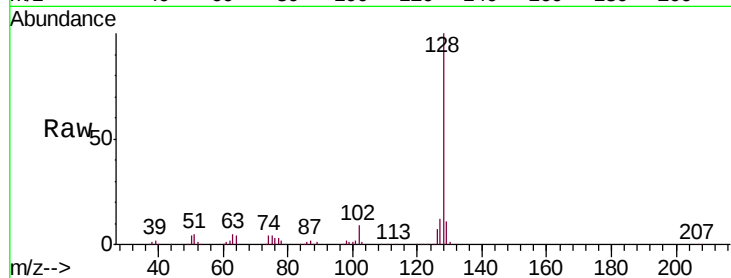
Tgt Ion:128 Resp: 270484

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

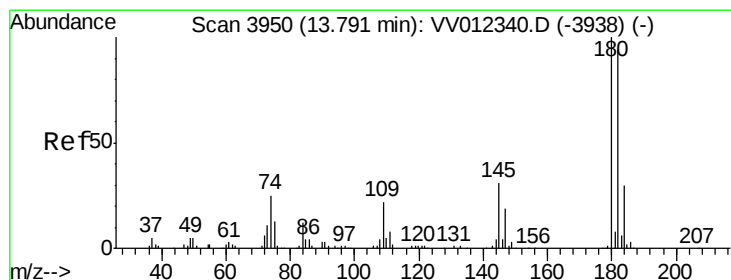
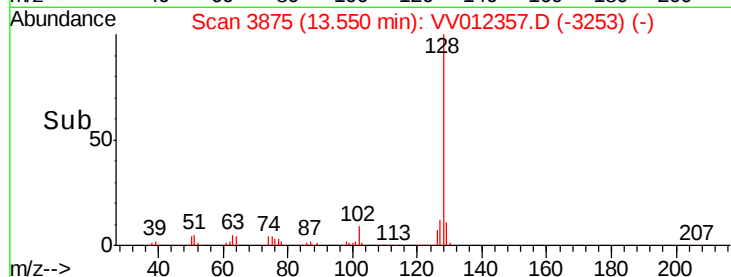
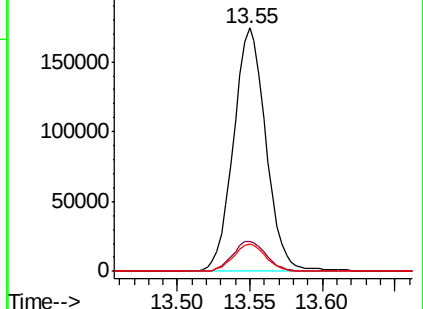
129 11.3 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 54.217 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012357.D

Acq: 22 Aug 2019 19:09

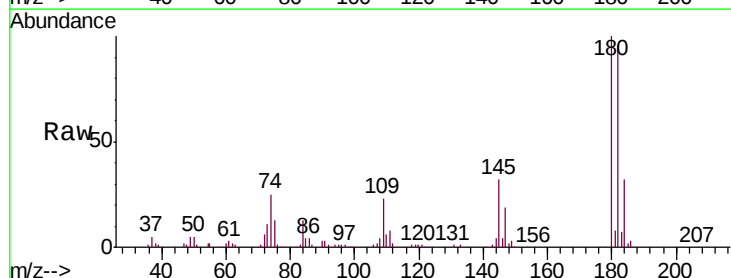
Tgt Ion:180 Resp: 112134

Ion Ratio Lower Upper

180 100

182 95.4 76.5 114.7

145 30.8 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

