

Data File : VV012438.D
Acq On : 29 Aug 2019 18:17
Operator : SY/MD
Sample : VSTD0.535
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

Quant Time: Aug 30 05:24:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 30 05:22:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	204675	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	198486	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	84839	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	9698	1.94	ug/L	0.00
7) Chloroethane-d5	1.59	69	6927	1.73	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	15828	1.05	ug/L	0.00
20) 2-Butanone-d5	3.98	46	5858	1.80	ug/L	0.02
24) Chloroform-d	4.40	84	16554	0.77	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	8119	0.90	ug/L	0.00
32) Benzene-d6	5.10	84	28575	0.97	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	9398	0.76	ug/L	0.00
41) Toluene-d8	7.36	98	23328	0.79	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	2995	0.65	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	9595	4.03	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	6705	0.58	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	8554	0.65	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	13115	0.451 ug/L	96
3) Chloromethane	1.25	50	13610	0.558 ug/L	95
5) Vinyl chloride	1.32	62	12880	0.571 ug/L	100
6) Bromomethane	1.54	94	7094	0.594 ug/L	97
8) Chloroethane	1.60	64	7285	0.611 ug/L	100
9) Trichlorofluoromethane	1.77	101	16140	0.525 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	8129	0.541 ug/L	99
12) 1,1-Dichloroethene	2.14	96	7914	0.554 ug/L	90
13) Acetone	2.24	43	15841	6.655 ug/L	87
14) Carbon disulfide	2.32	76	23942	0.553 ug/L	99
15) Methyl Acetate	2.48	43	3230	0.554 ug/L #	80
16) Methylene chloride	2.53	84	10520	0.678 ug/L	96
17) Methyl tert-butyl Ether	2.81	73	20112	0.474 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	9957	0.509 ug/L	98
19) 1,1-Dichloroethane	3.23	63	18988	0.494 ug/L	96
21) 2-Butanone	4.07	43	20696	4.264 ug/L #	58
22) cis-1,2-Dichloroethene	3.96	96	9632	0.460 ug/L	97
23) Bromochloromethane	4.30	128	4238	0.478 ug/L	92
25) Chloroform	4.43	83	22303	0.557 ug/L	91
27) 1,2-Dichloroethane	5.18	62	10872	0.481 ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	15296	0.471 ug/L	94
30) Cyclohexane	4.72	56	13612	0.412 ug/L	98
31) Carbon tetrachloride	4.87	117	13531	0.474 ug/L	97
33) Benzene	5.15	78	36471	0.444 ug/L	100
34) Trichloroethene	5.96	95	9902	0.465 ug/L	94
35) Methylcyclohexane	6.17	83	12706	0.390 ug/L	96
37) 1,2-Dichloropropane	6.22	63	10424	0.498 ug/L #	91
38) Bromodichloromethane	6.56	83	13395	0.498 ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	10683	0.387 ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	48149	4.035 ug/L	93

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 30 05:22:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	34075	0.403	ug/L	97
44) trans-1,3-Dichloropropene	7.70	75	8878	0.412	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	7194	0.513	ug/L	92
47) Tetrachloroethene	8.02	164	7630	0.440	ug/L	95
48) 2-Hexanone	8.19	43	29072	3.537	ug/L	97
49) Dibromochloromethane	8.29	129	7349	0.443	ug/L	95
50) 1,2-Dibromoethane	8.40	107	5632	0.444	ug/L #	98
51) Chlorobenzene	8.92	112	24463	0.453	ug/L	97
52) Ethylbenzene	9.05	91	34739	0.383	ug/L	94
53) m,p-xylene	9.18	106	11568	0.342	ug/L	83
54) o-xylene	9.59	106	12102	0.373	ug/L	93
55) Styrene	9.60	104	18890	0.346	ug/L	97
56) Isopropylbenzene	9.97	105	29484	0.341	ug/L	95
58) 1,1,2,2-Tetrachloroethane	10.28	83	7844	0.470	ug/L #	95
59) 1,2,3-Trichloropropane	10.32	75	5610	0.471	ug/L	93
61) Bromoform	9.77	173	3940	0.490	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	16076	0.444	ug/L	94
63) 1,4-Dichlorobenzene	11.32	146	15914	0.439	ug/L	93
65) 1,2-Dichlorobenzene	11.69	146	15864	0.468	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	1102	0.467	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	11478	0.413	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	7363	0.342	ug/L	94
69) Naphthalene	13.56	128	8128	0.246	ug/L #	95
70) 1,2,3-Trichlorobenzene	13.79	180	6942	0.335	ug/L	98

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

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ALS Vial      : 3      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

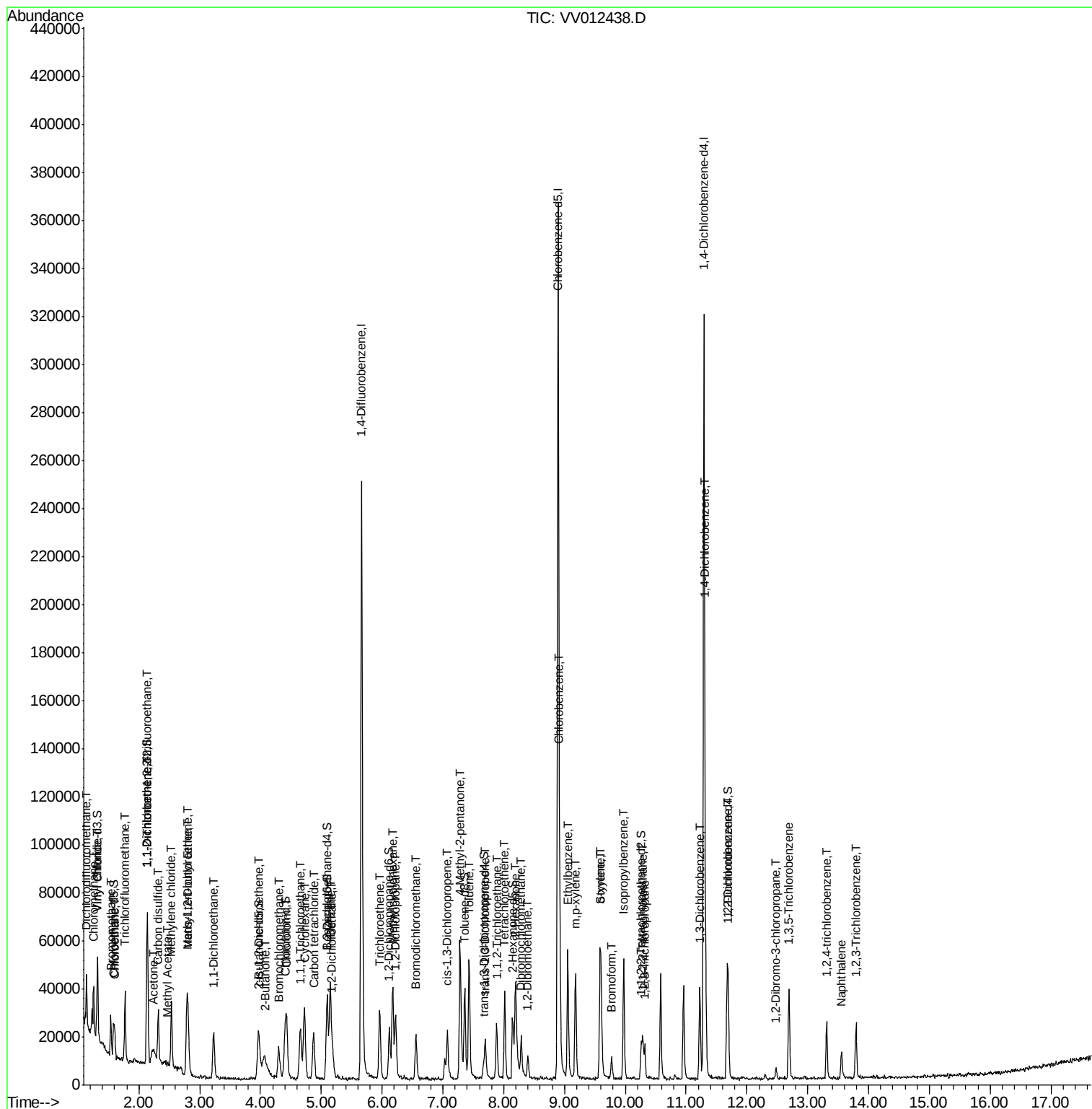
Quant Time: Aug 30 05:24:35 2019

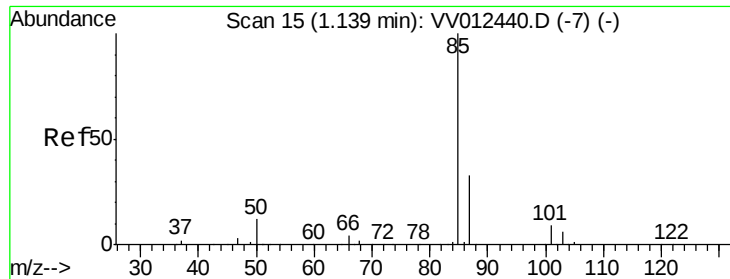
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR082919WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Aug 30 05:22:00 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.451 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012438.D

Acq: 29 Aug 2019 18:17

Instrument :

MSVOA_V

ClientSampleId :

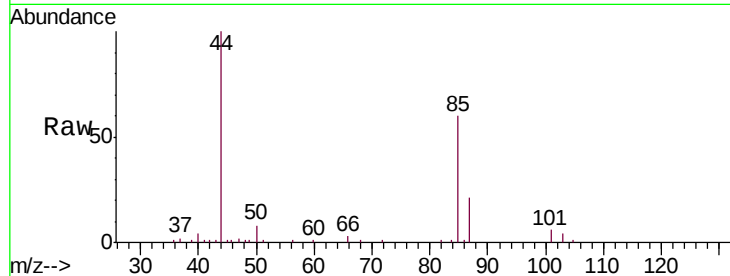
VSTD0.535

Tgt Ion: 85 Resp: 13115

Ion Ratio Lower Upper

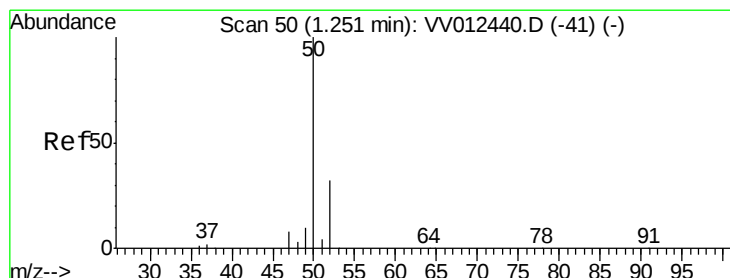
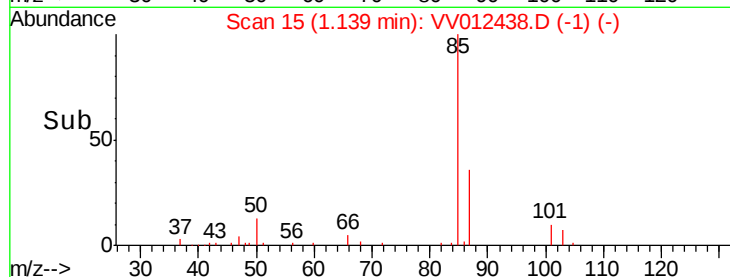
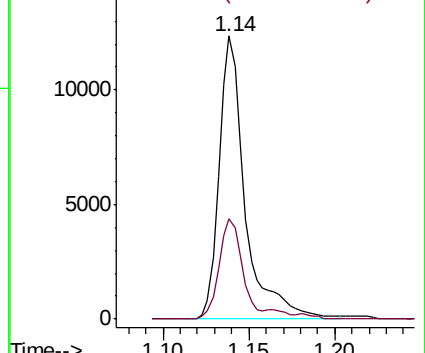
85 100

87 35.3 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.558 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012438.D

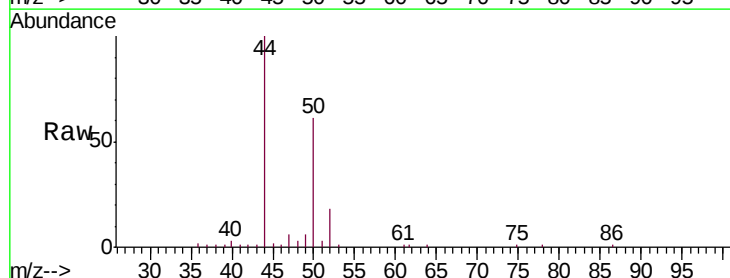
Acq: 29 Aug 2019 18:17

Tgt Ion: 50 Resp: 13610

Ion Ratio Lower Upper

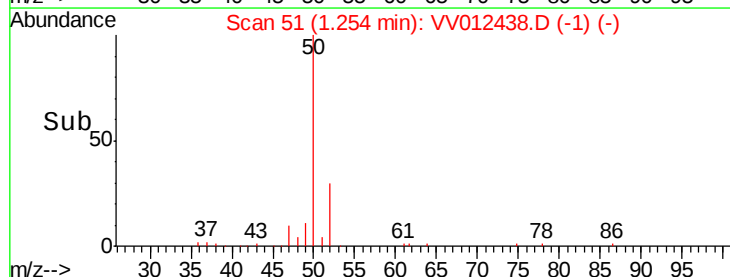
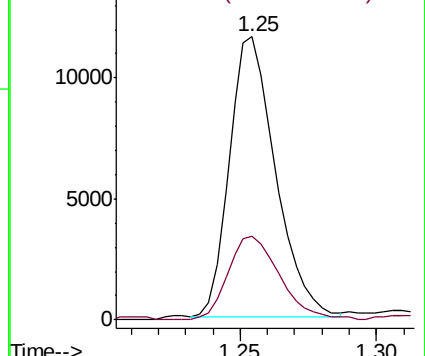
50 100

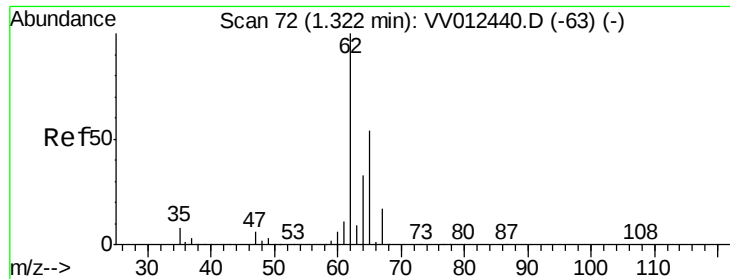
52 29.5 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.571 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012438.D

Acq: 29 Aug 2019 18:17

Instrument :

MSVOA_V

ClientSampleId :

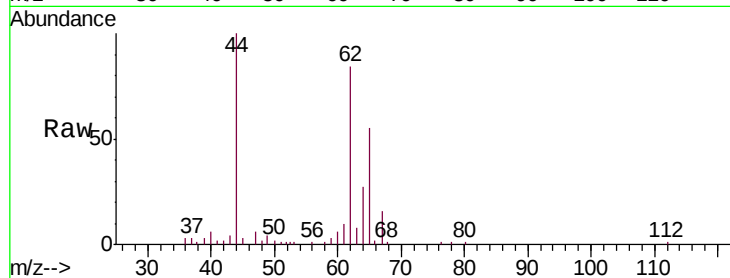
VSTD0.535

Tgt Ion: 62 Resp: 12880

Ion Ratio Lower Upper

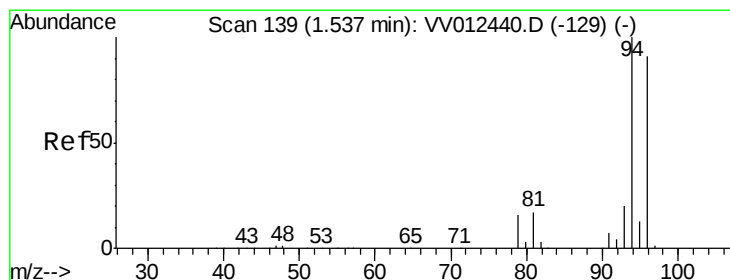
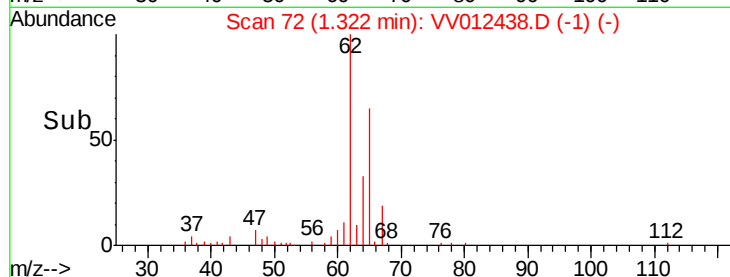
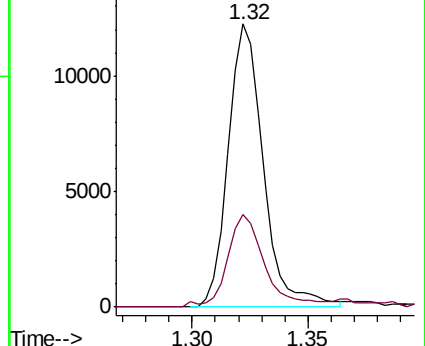
62 100

64 32.7 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 0.594 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012438.D

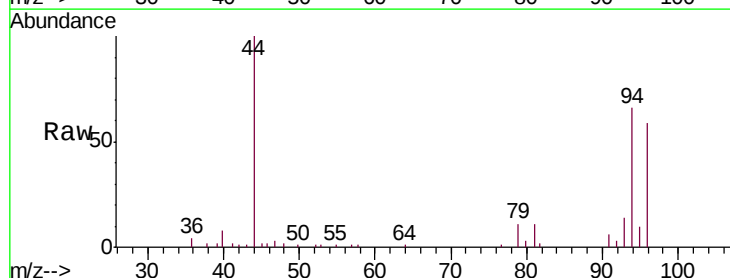
Acq: 29 Aug 2019 18:17

Tgt Ion: 94 Resp: 7094

Ion Ratio Lower Upper

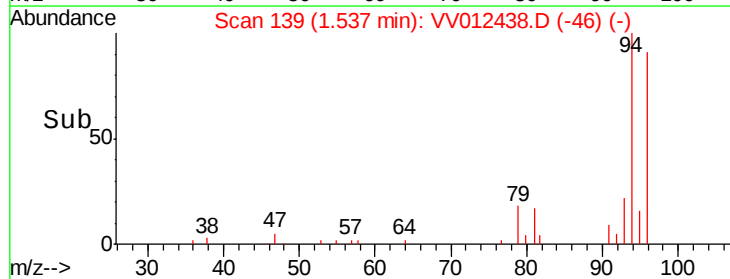
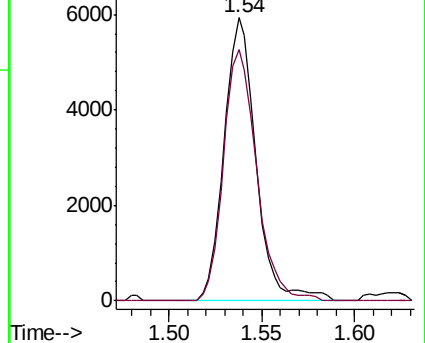
94 100

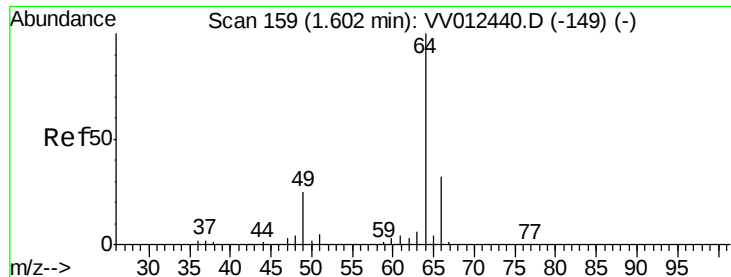
96 88.8 64.0 119.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 0.611 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV012438.D

Acq: 29 Aug 2019 18:17

Instrument :

MSVOA_V

ClientSampleId :

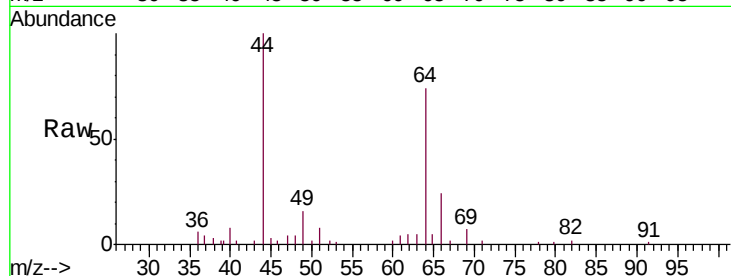
VSTD0.535

Tgt Ion: 64 Resp: 7285

Ion Ratio Lower Upper

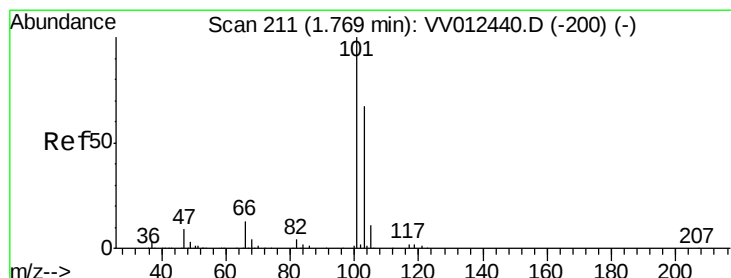
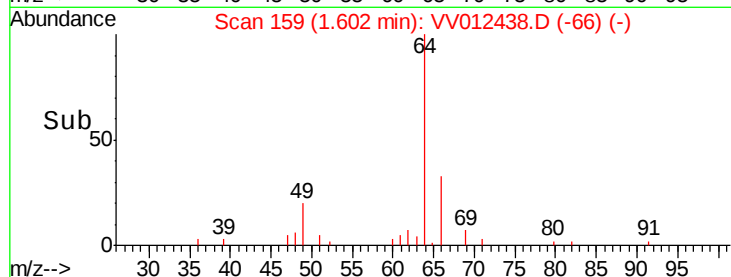
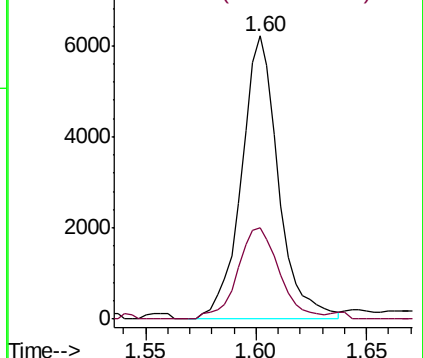
64 100

66 32.1 22.5 41.7



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



#9

Trichlorofluoromethane

Concen: 0.525 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV012438.D

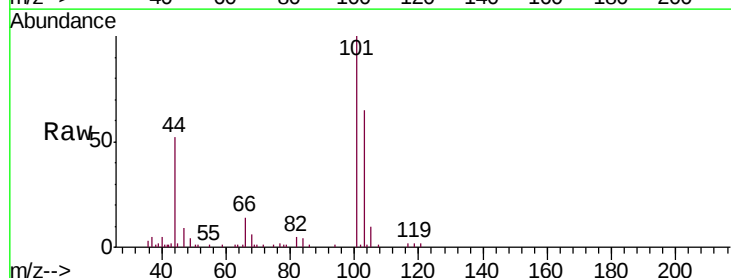
Acq: 29 Aug 2019 18:17

Tgt Ion: 101 Resp: 16140

Ion Ratio Lower Upper

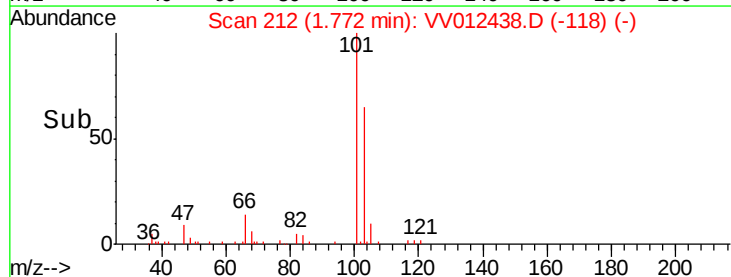
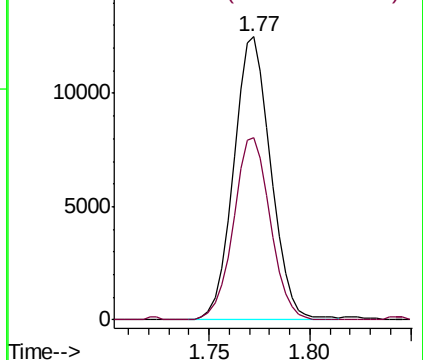
101 100

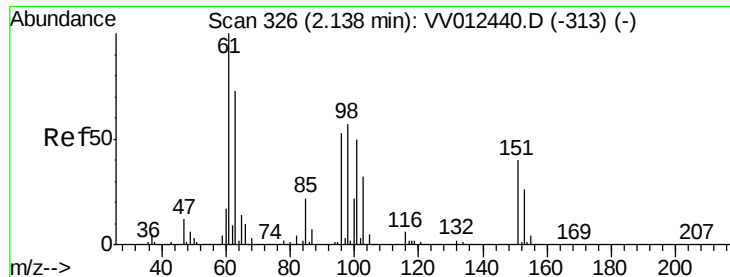
103 63.7 53.0 79.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 0.541 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012438.D

Acq: 29 Aug 2019 18:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

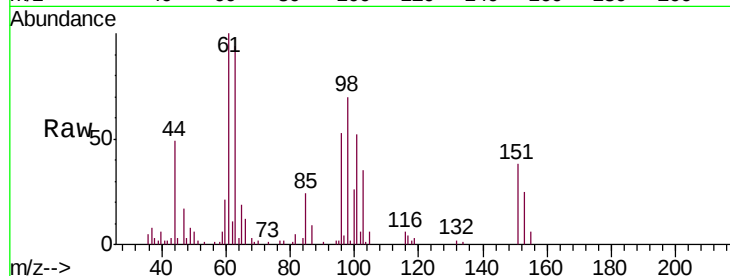
Tgt Ion: 101 Resp: 8129

Ion Ratio Lower Upper

101 100

85 43.8 35.4 53.2

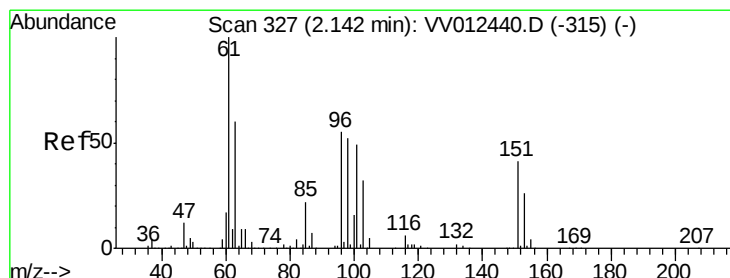
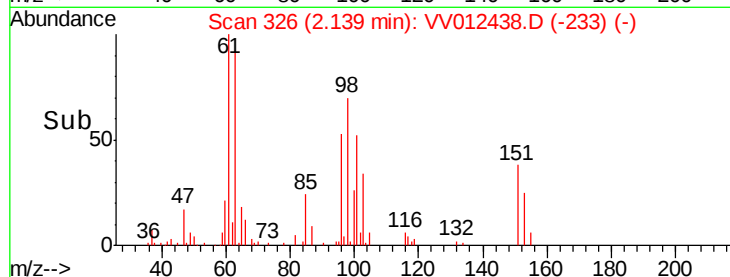
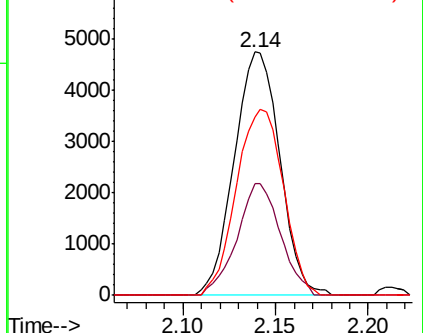
151 78.9 64.4 96.6



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: 0.554 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012438.D

Acq: 29 Aug 2019 18:17

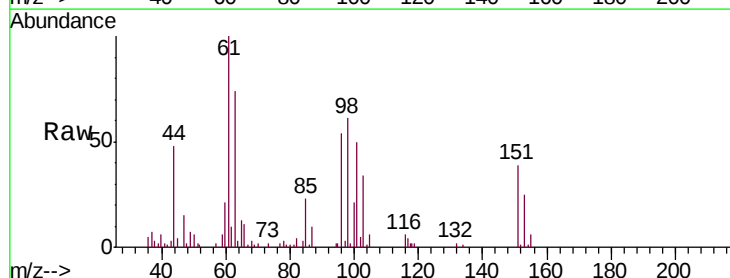
Tgt Ion: 96 Resp: 7914

Ion Ratio Lower Upper

96 100

61 184.1 127.8 237.4

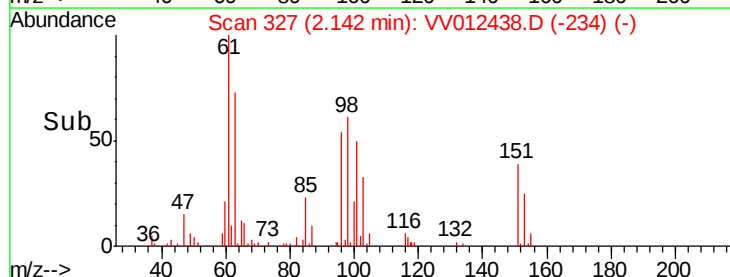
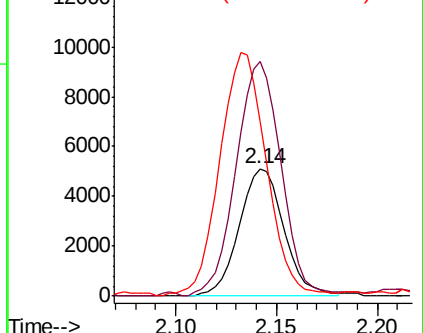
63 136.6 78.2 145.2

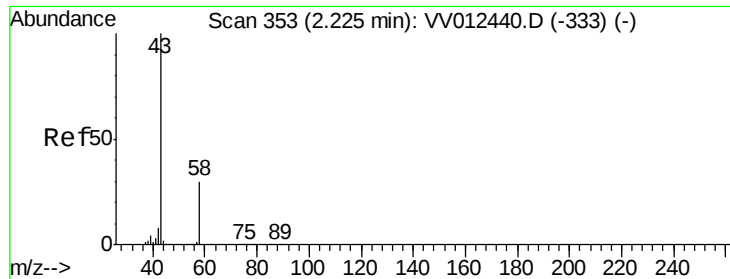


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 6.655 ug/L

RT: 2.24 min Scan# 358

Delta R.T. 0.02 min

Lab File: VV012438.D

Acq: 29 Aug 2019 18:17

Instrument :

MSVOA_V

ClientSampleId :

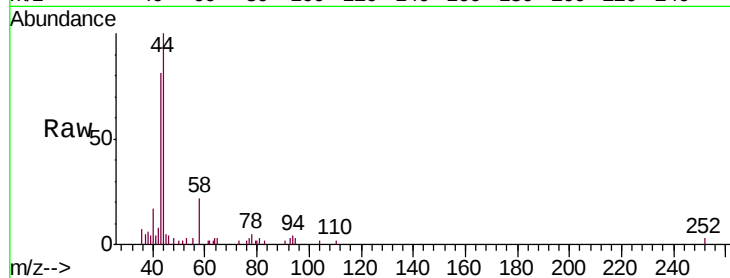
VSTD0.535

Tgt Ion: 43 Resp: 15841

Ion Ratio Lower Upper

43 100

58 21.6 0.0 56.8



Abundance Ion 43.05 (42.75 to 43.75): VV012440.D (-333) (-)

Ion 58.05 (57.75 to 58.75): VV012440.D (-333) (-)

2.24

4000

3000

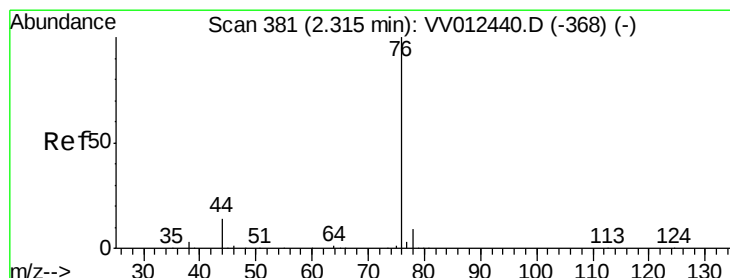
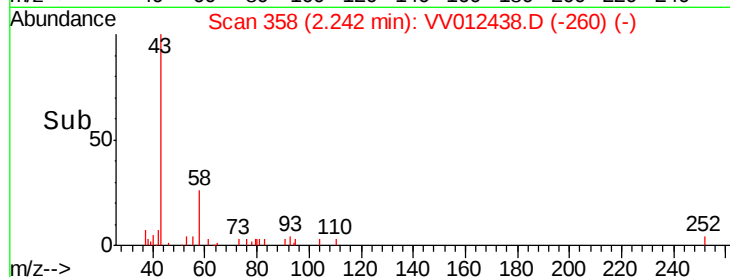
2000

1000

0

Time-->

2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 0.553 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012438.D

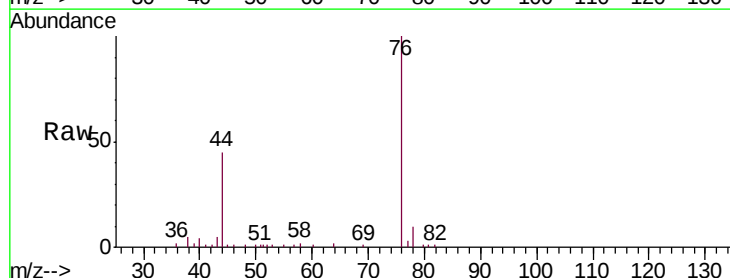
Acq: 29 Aug 2019 18:17

Tgt Ion: 76 Resp: 23942

Ion Ratio Lower Upper

76 100

78 9.5 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV012440.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV012440.D (-368) (-)

2.32

15000

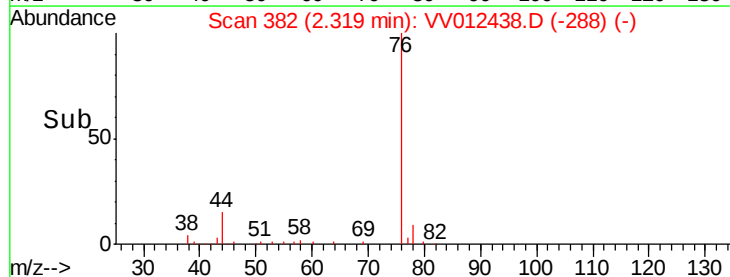
10000

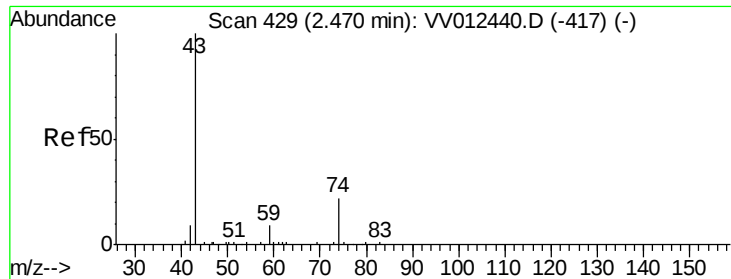
5000

0

Time-->

2.25 2.30 2.35

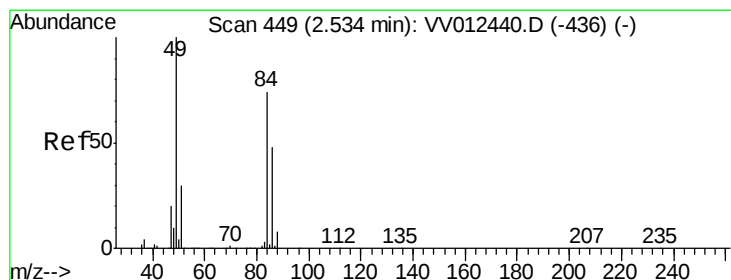
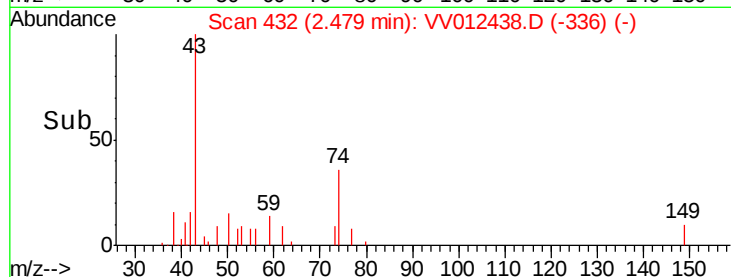
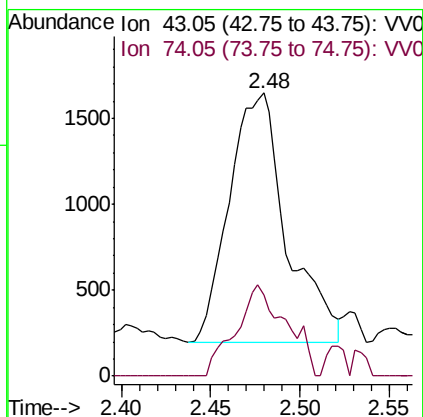
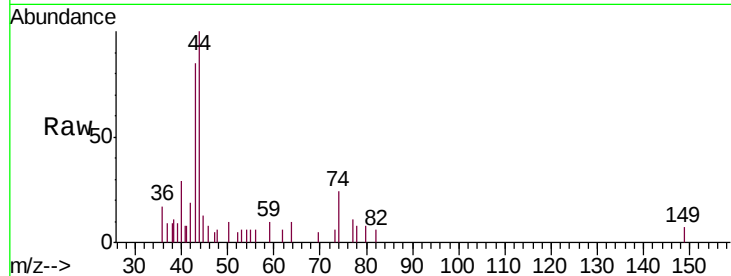




#15
Methyl Acetate
Concen: 0.554 ug/L
RT: 2.48 min Scan# 432
Delta R.T. 0.01 min
Lab File: VV012438.D
Acq: 29 Aug 2019 18:17

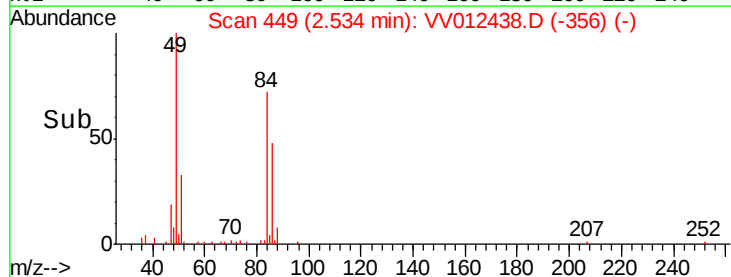
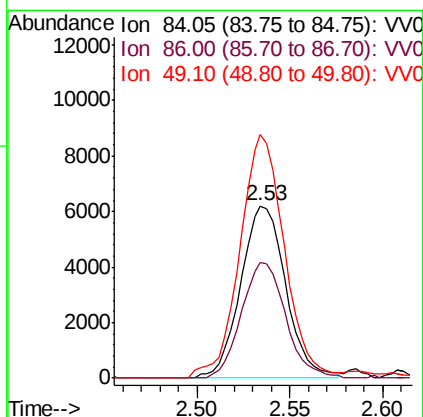
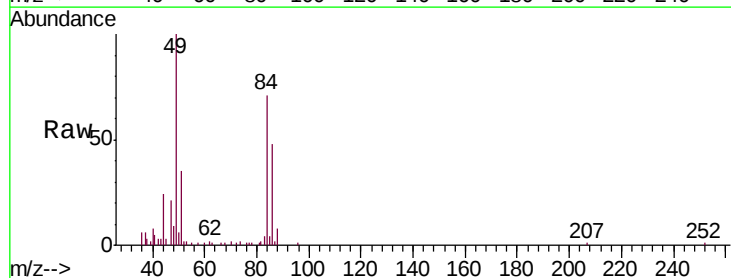
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

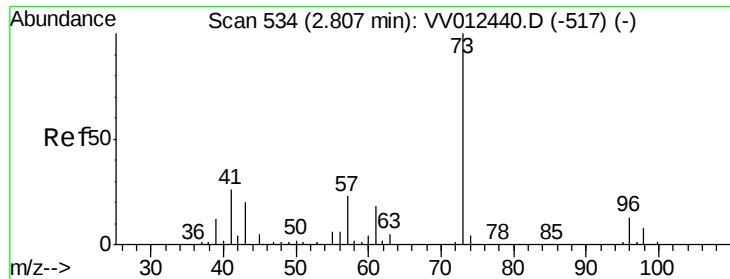
Tgt Ion: 43 Resp: 3230
Ion Ratio Lower Upper
43 100
74 32.3 18.1 27.1#



#16
Methylene chloride
Concen: 0.678 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012438.D
Acq: 29 Aug 2019 18:17

Tgt Ion: 84 Resp: 10520
Ion Ratio Lower Upper
84 100
86 67.4 45.2 84.0
49 141.1 95.1 176.7

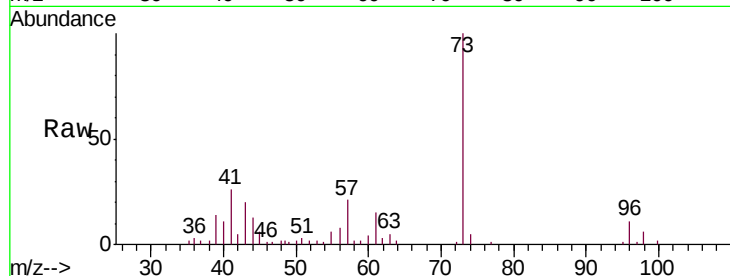




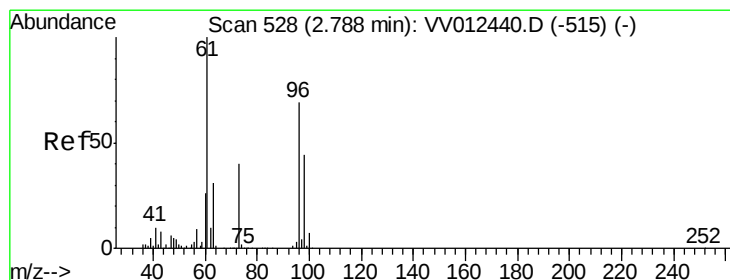
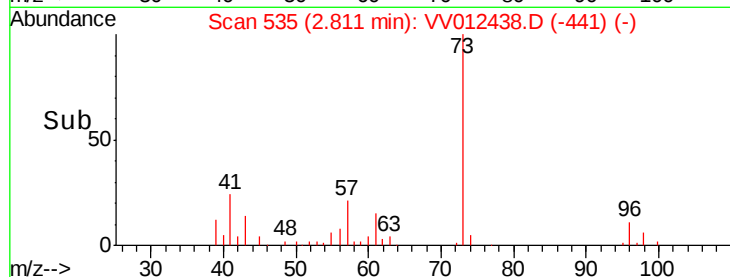
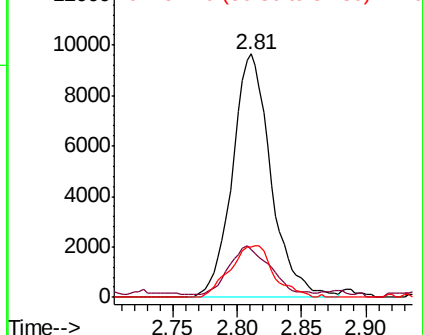
#17
Methyl tert-butyl Ether
Concen: 0.474 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV012438.D
Acq: 29 Aug 2019 18:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

Tgt Ion: 73 Resp: 20112
Ion Ratio Lower Upper
73 100
43 21.1 16.1 24.1
57 23.8 18.8 28.2

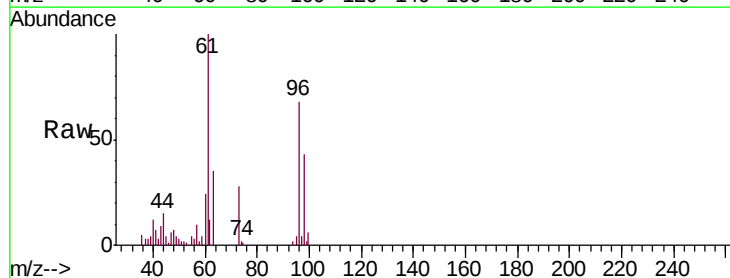


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

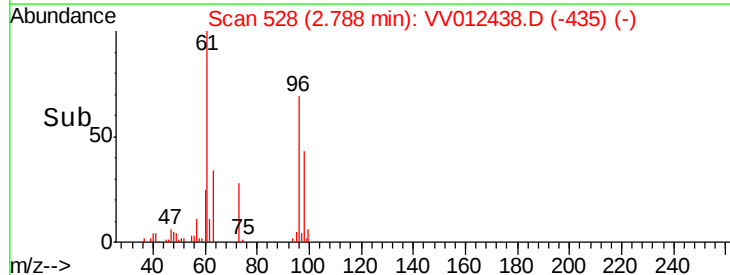
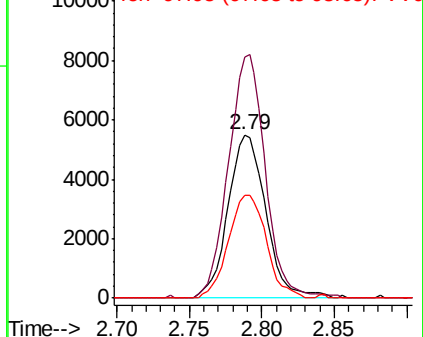


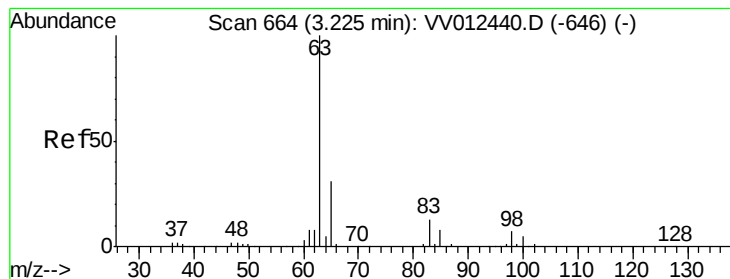
#18
trans-1,2-Dichloroethene
Concen: 0.509 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV012438.D
Acq: 29 Aug 2019 18:17

Tgt Ion: 96 Resp: 9957
Ion Ratio Lower Upper
96 100
61 147.4 101.2 188.0
98 62.9 44.1 81.9



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 0.494 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV012438.D

Acq: 29 Aug 2019 18:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

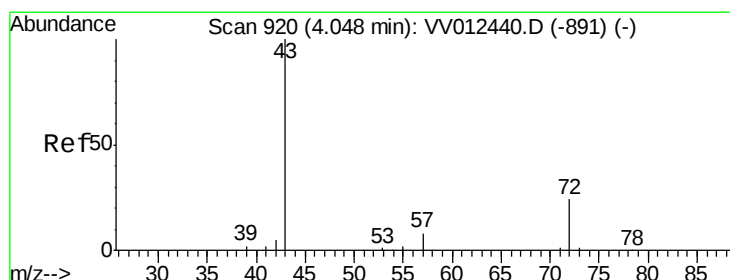
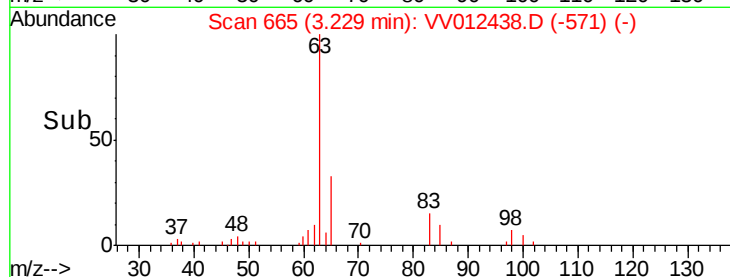
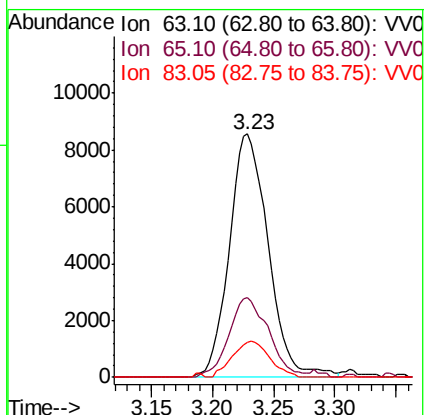
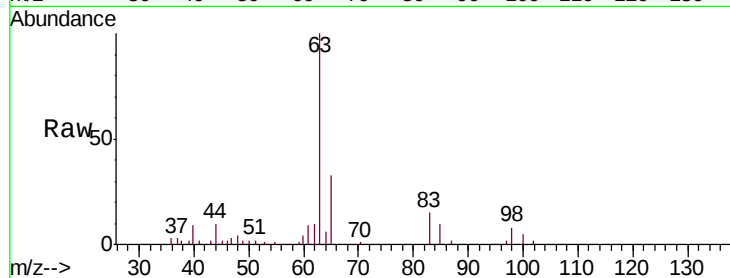
Tgt Ion: 63 Resp: 18988

Ion Ratio Lower Upper

63 100

65 32.9 21.6 40.2

83 14.5 9.0 16.8



#21

2-Butanone

Concen: 4.264 ug/L

RT: 4.07 min Scan# 927

Delta R.T. 0.02 min

Lab File: VV012438.D

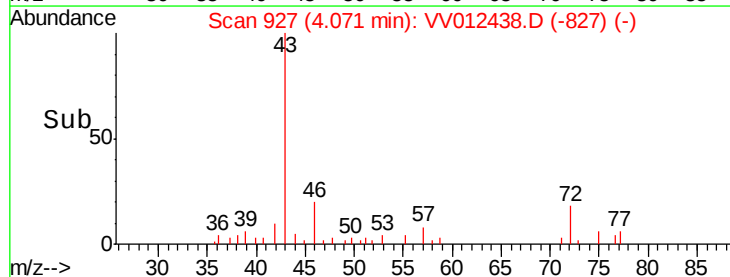
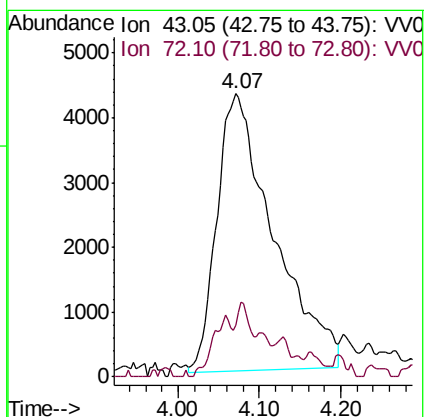
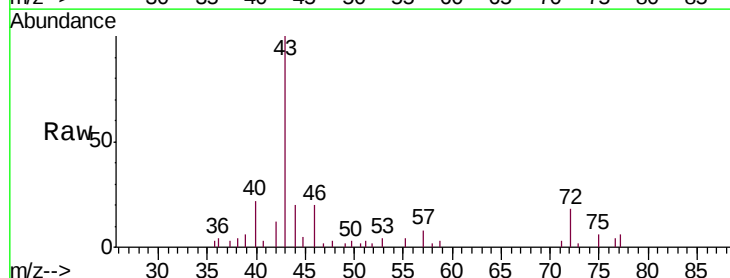
Acq: 29 Aug 2019 18:17

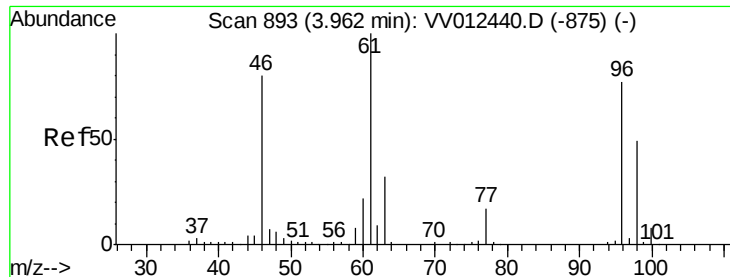
Tgt Ion: 43 Resp: 20696

Ion Ratio Lower Upper

43 100

72 2.9 11.8 35.3#



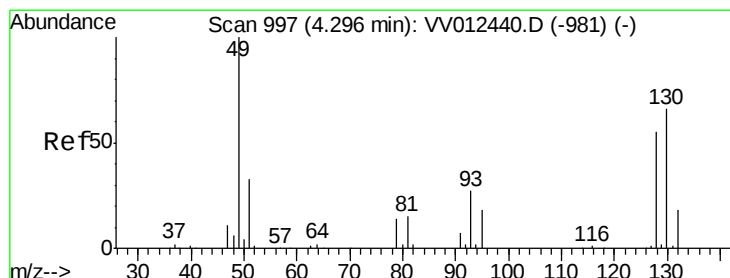
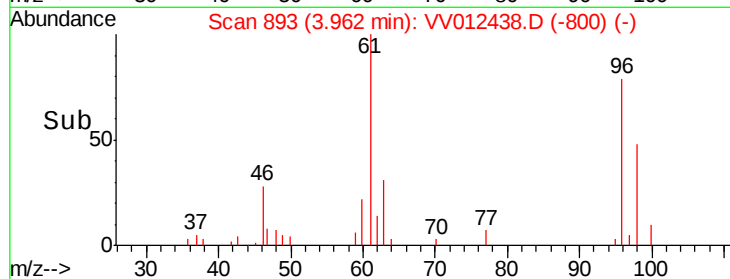
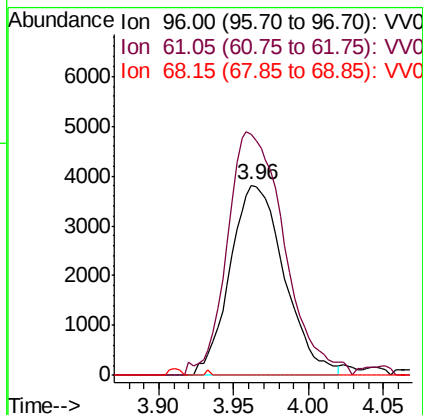
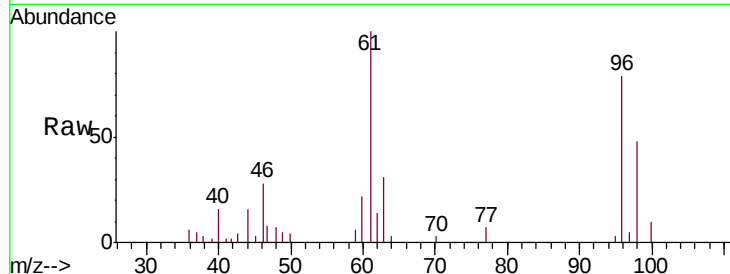


#22

cis-1,2-Dichloroethene
 Concen: 0.460 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012438.D
 Acq: 29 Aug 2019 18:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

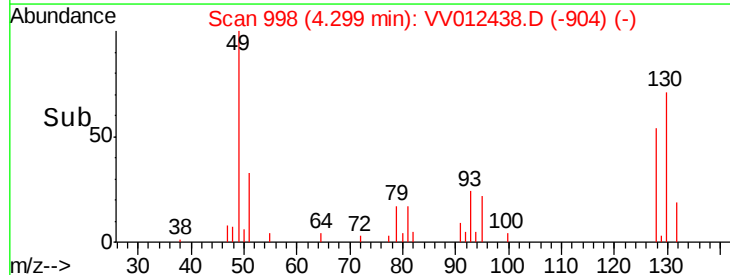
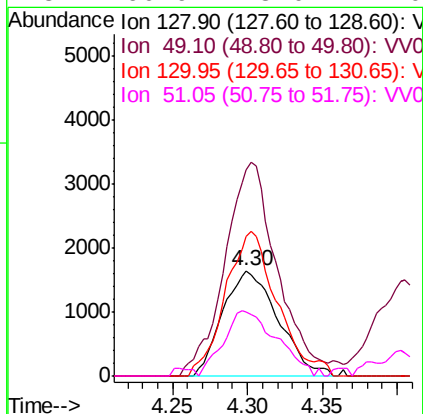
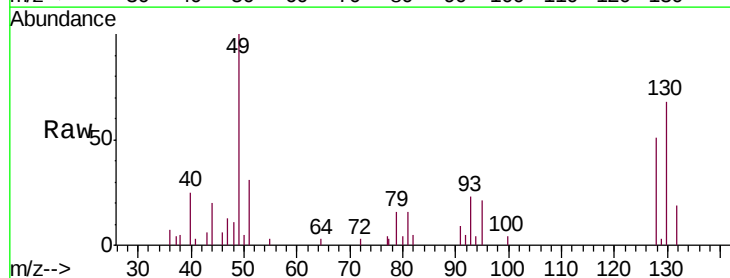
Tgt Ion: 96 Resp: 9632
 Ion Ratio Lower Upper
 96 100
 61 127.0 91.5 169.9
 68 0.0 0.0 0.0

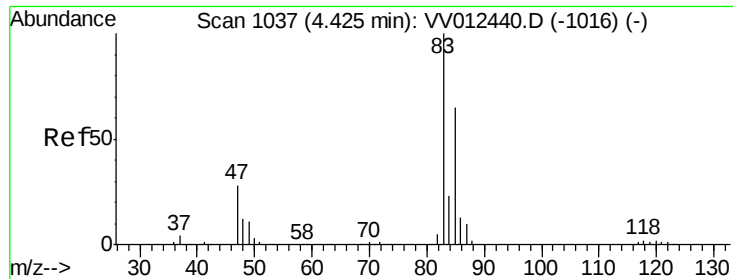


#23

Bromochloromethane
 Concen: 0.478 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV012438.D
 Acq: 29 Aug 2019 18:17

Tgt Ion: 128 Resp: 4238
 Ion Ratio Lower Upper
 128 100
 49 195.1 127.7 237.3
 130 132.3 84.1 156.1
 51 60.9 48.0 72.0

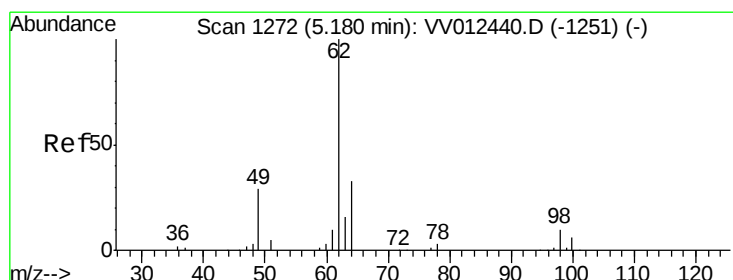
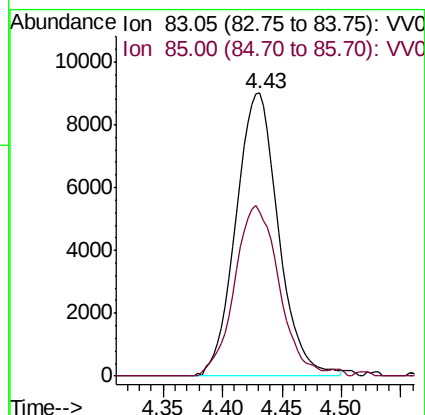
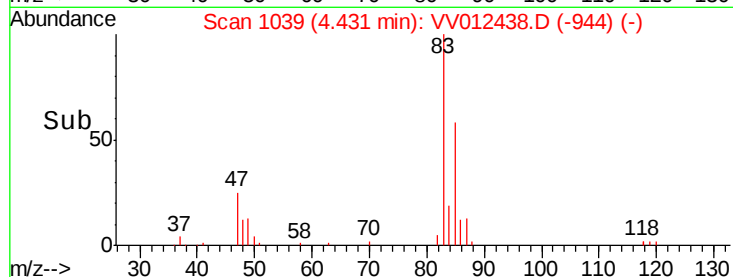
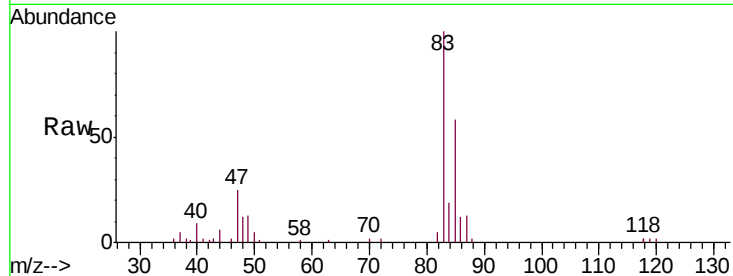




#25
Chloroform
Concen: 0.557 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VV012438.D
Acq: 29 Aug 2019 18:17

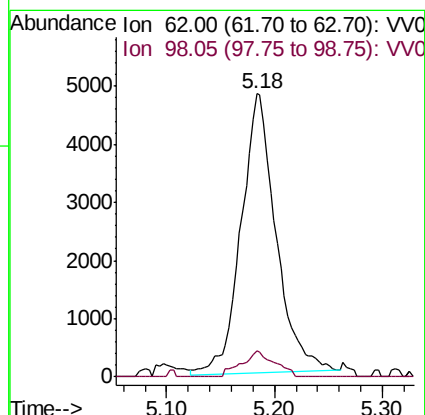
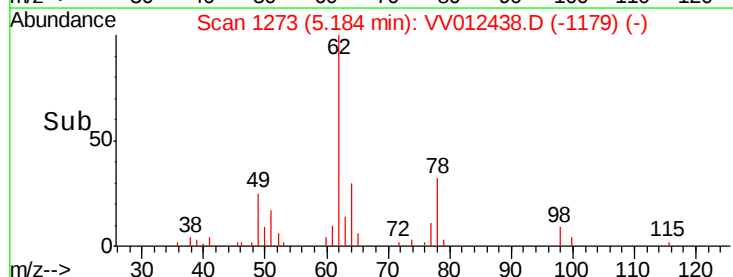
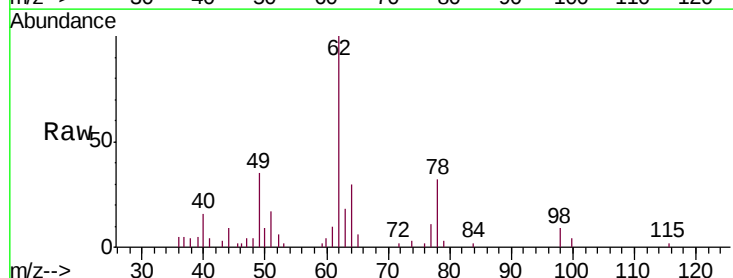
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

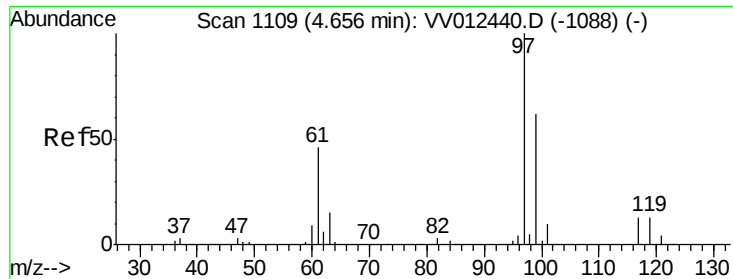
Tgt Ion: 83 Resp: 22303
Ion Ratio Lower Upper
83 100
85 58.0 45.4 84.4



#27
1,2-Dichloroethane
Concen: 0.481 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV012438.D
Acq: 29 Aug 2019 18:17

Tgt Ion: 62 Resp: 10872
Ion Ratio Lower Upper
62 100
98 9.2 8.3 12.5

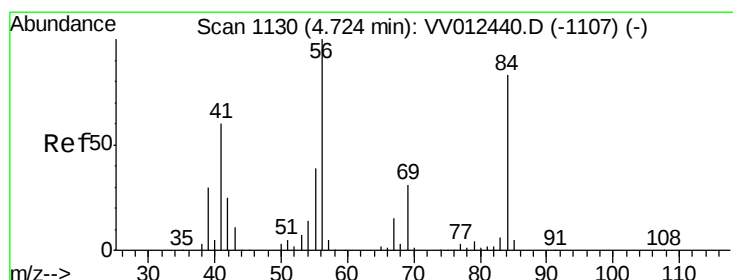
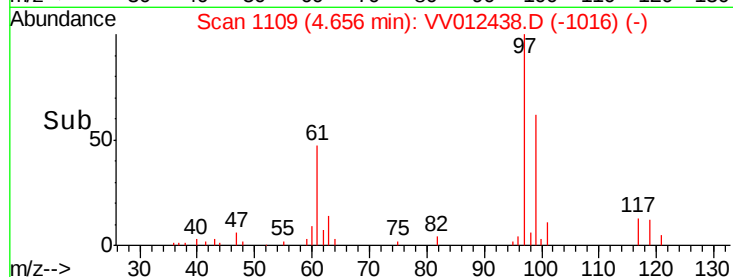
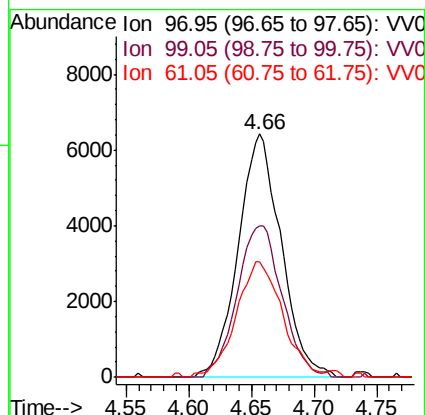
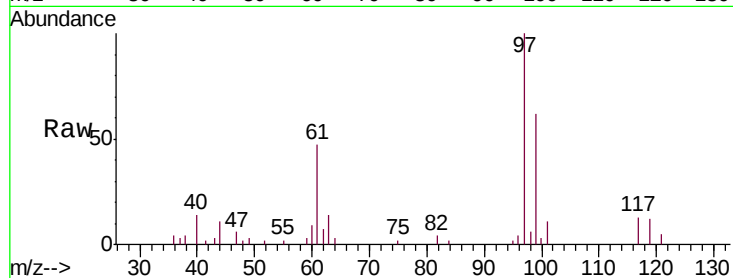




#29
 1,1,1-Trichloroethane
 Concen: 0.471 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV012438.D
 Acq: 29 Aug 2019 18:17

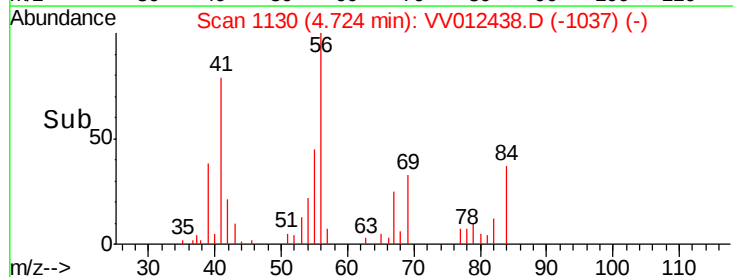
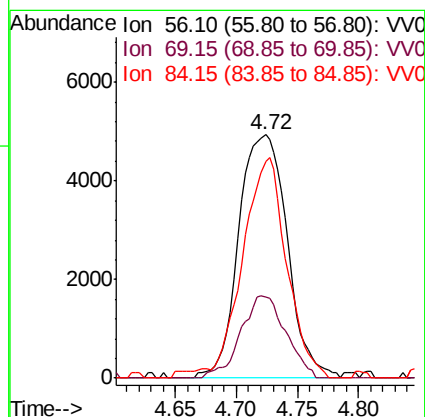
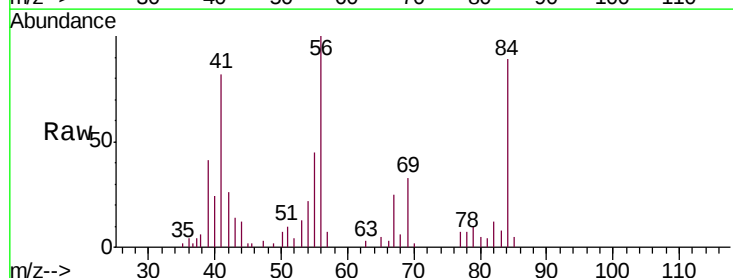
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

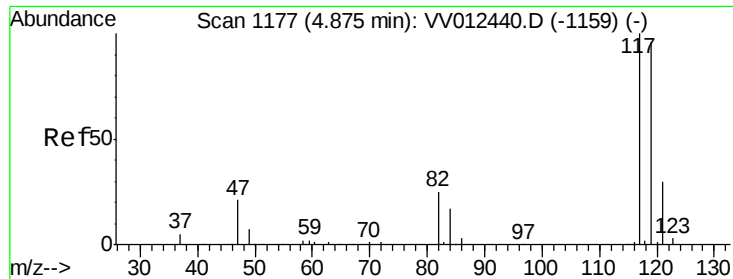
Tgt Ion: 97 Resp: 15296
 Ion Ratio Lower Upper
 97 100
 99 65.5 49.8 74.6
 61 51.2 36.7 55.1



#30
 Cyclohexane
 Concen: 0.412 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV012438.D
 Acq: 29 Aug 2019 18:17

Tgt Ion: 56 Resp: 13612
 Ion Ratio Lower Upper
 56 100
 69 31.3 24.4 36.6
 84 82.5 67.8 101.6





#31

Carbon tetrachloride

Concen: 0.474 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012438.D

Acq: 29 Aug 2019 18:17

Instrument :

MSVOA_V

ClientSampleId :

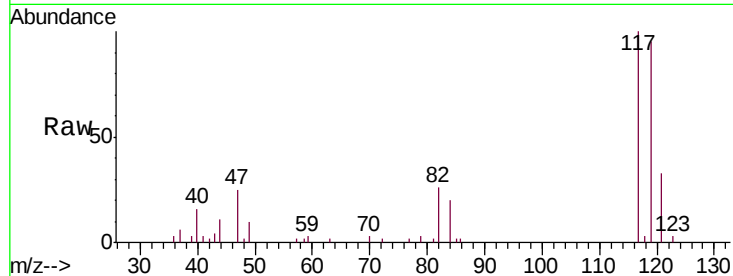
VSTD0.535

Tgt Ion:117 Resp: 13531

Ion Ratio Lower Upper

117 100

119 94.1 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

6000

5000

4000

3000

2000

1000

0

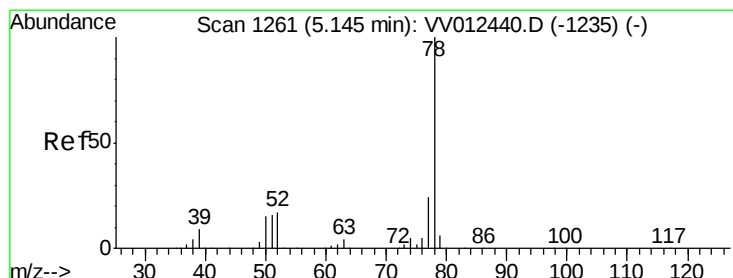
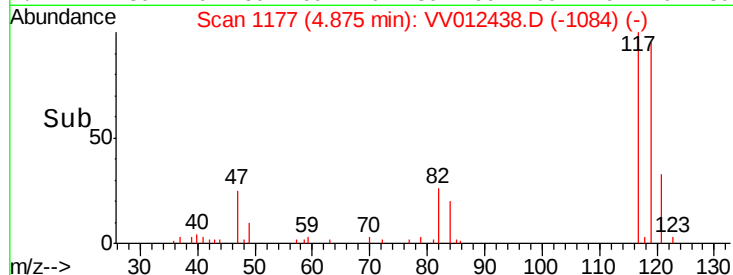
4.80

4.85

4.90

4.95

Time-->



#33

Benzene

Concen: 0.444 ug/L

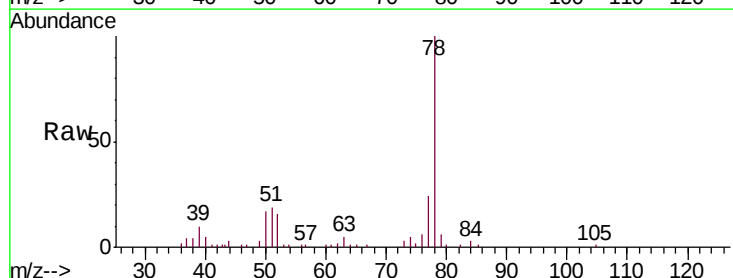
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV012438.D

Acq: 29 Aug 2019 18:17

Tgt Ion: 78 Resp: 36471



Abundance Ion 78.10 (77.80 to 78.80): VV0

20000

15000

10000

5000

0

5.05

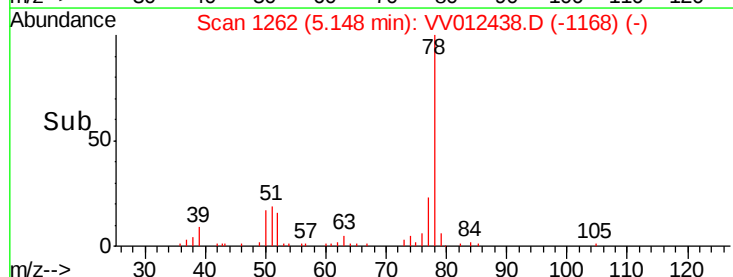
5.10

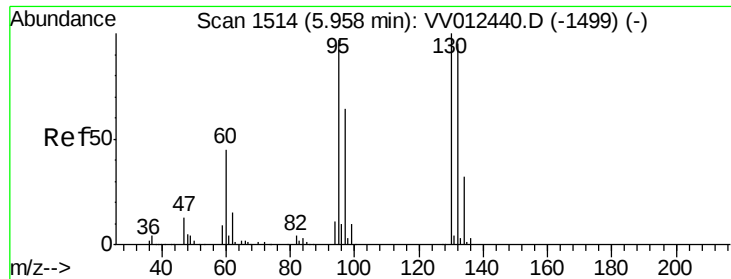
5.15

5.20

5.25

Time-->





#34

Trichloroethene

Concen: 0.465 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV012438.D

Acq: 29 Aug 2019 18:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

Tgt Ion: 95 Resp: 9902

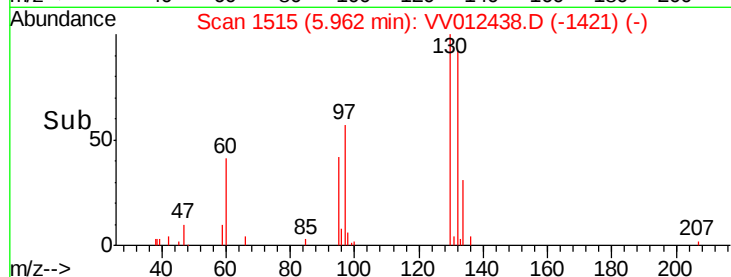
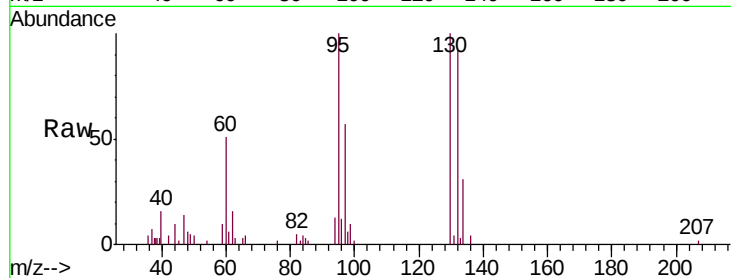
Ion Ratio Lower Upper

95 100

97 57.3 45.8 85.2

132 92.3 68.3 126.9

130 100.0 72.0 133.8

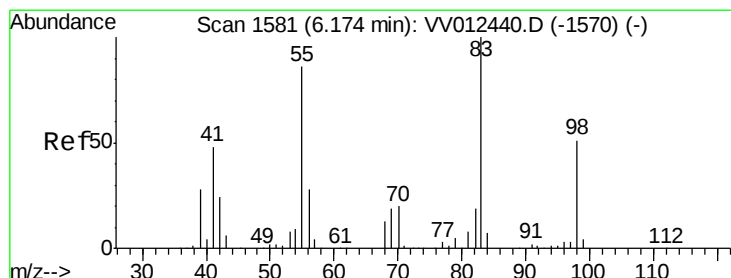
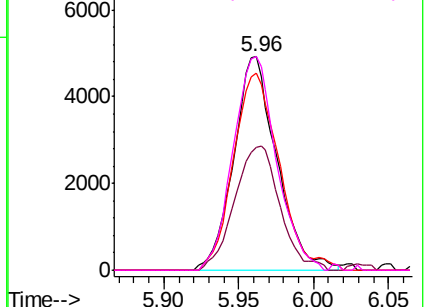


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.390 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012438.D

Acq: 29 Aug 2019 18:17

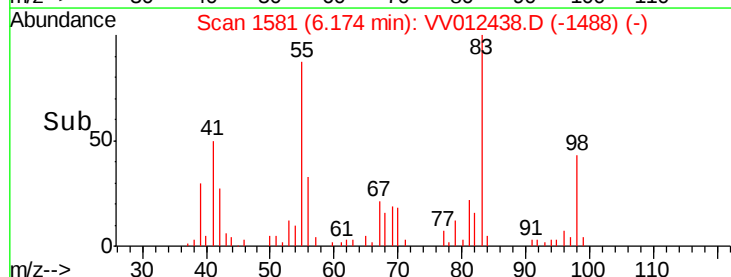
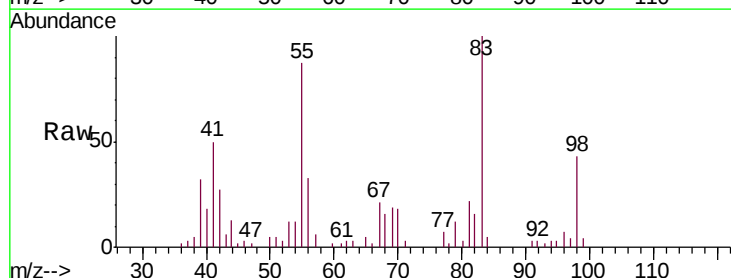
Tgt Ion: 83 Resp: 12706

Ion Ratio Lower Upper

83 100

55 86.6 67.8 101.6

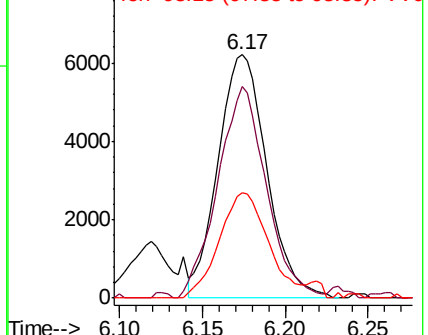
98 43.9 39.2 58.8

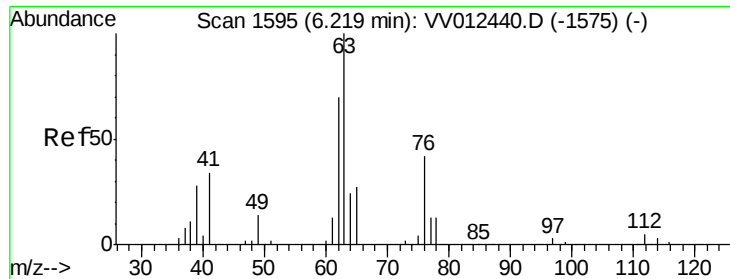


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

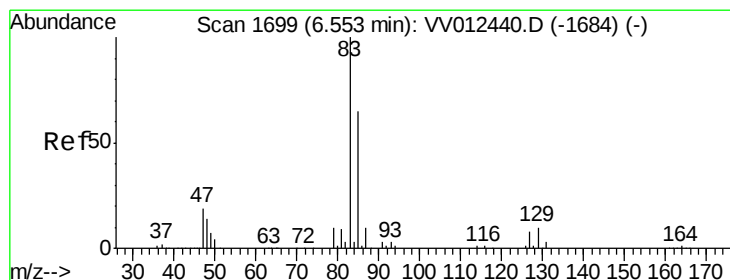
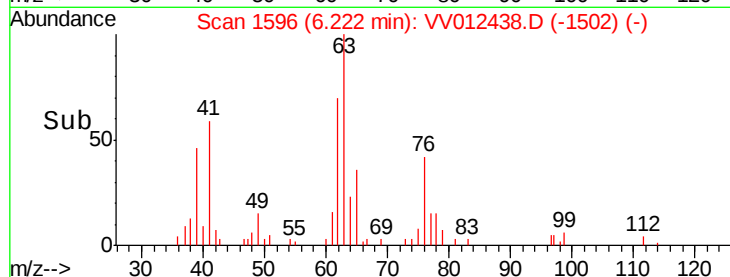
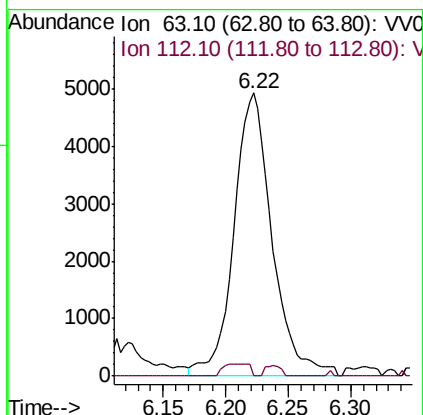
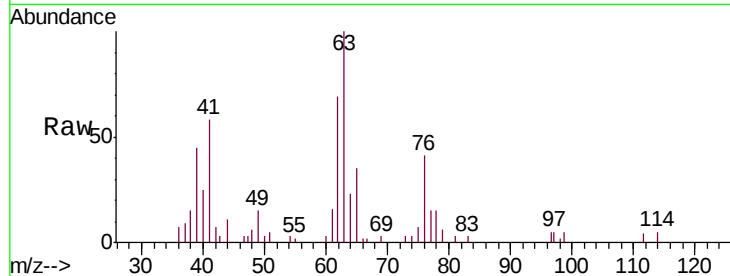




#37
 1,2-Dichloropropane
 Concen: 0.498 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV012438.D
 Acq: 29 Aug 2019 18:17

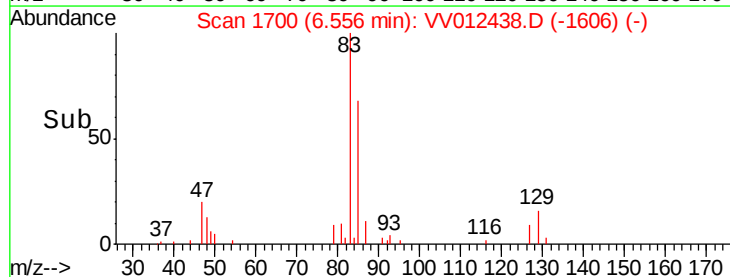
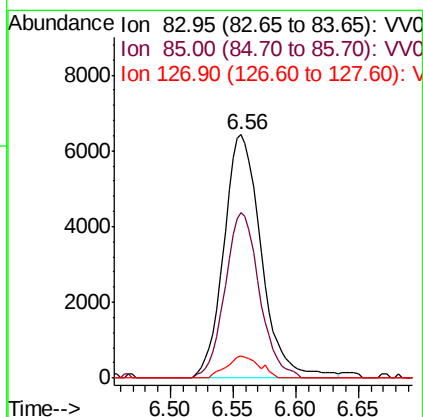
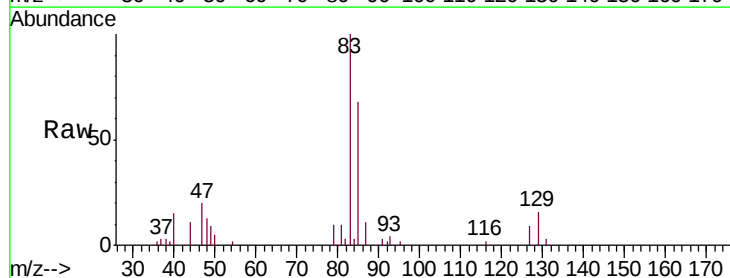
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

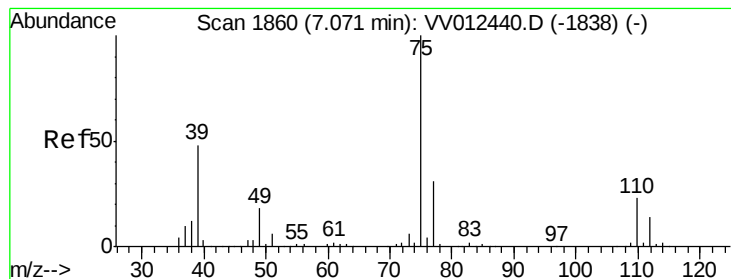
Tgt Ion: 63 Resp: 10424
 Ion Ratio Lower Upper
 63 100
 112 1.5 3.7 5.5#



#38
 Bromodichloromethane
 Concen: 0.498 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV012438.D
 Acq: 29 Aug 2019 18:17

Tgt Ion: 83 Resp: 13395
 Ion Ratio Lower Upper
 83 100
 85 68.1 45.4 84.4
 127 9.1 6.4 9.6



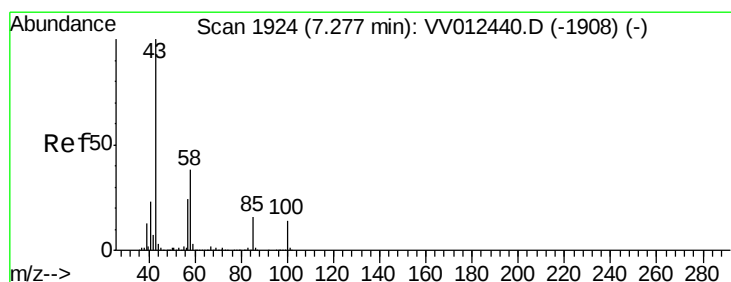
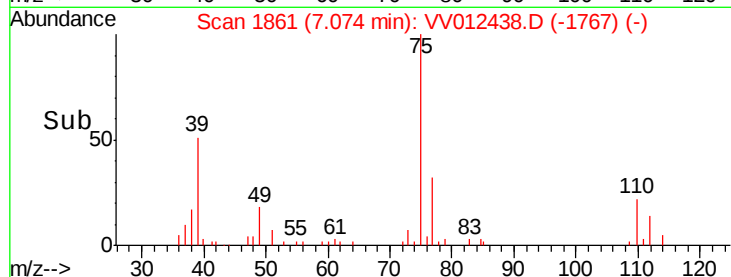
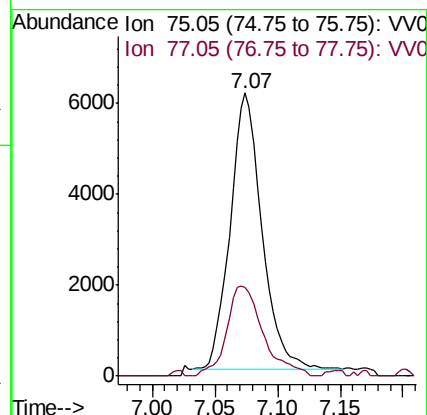
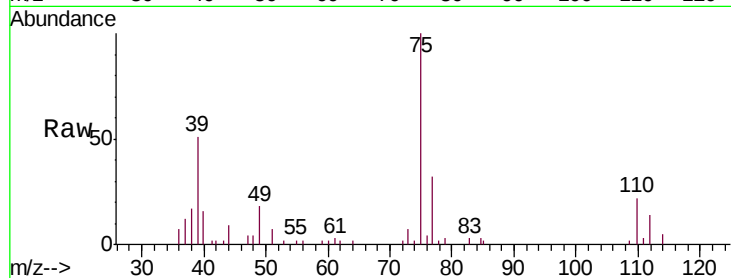


#39

cis-1,3-Dichloropropene
Concen: 0.387 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VV012438.D
Acq: 29 Aug 2019 18:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

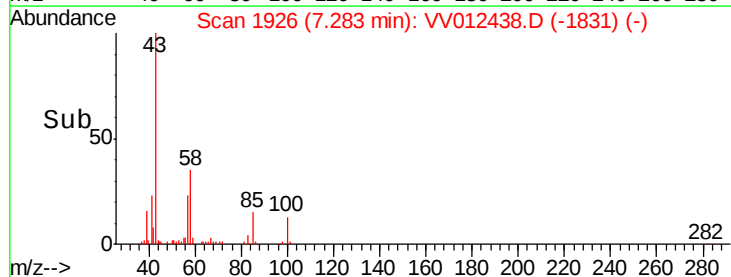
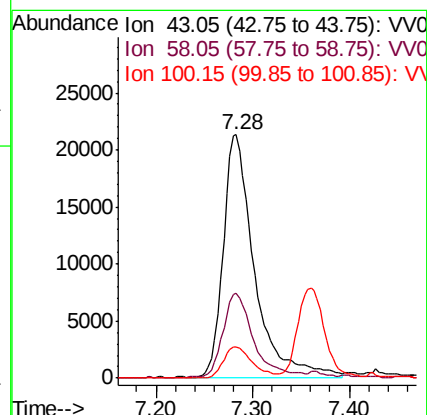
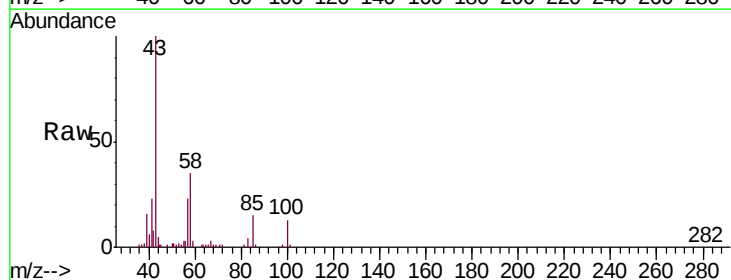
Tgt Ion: 75 Resp: 10683
Ion Ratio Lower Upper
75 100
77 31.6 21.8 40.6

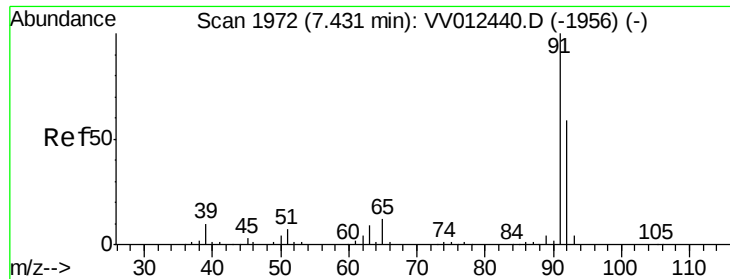


#40

4-Methyl-2-pentanone
Concen: 4.035 ug/L
RT: 7.28 min Scan# 1926
Delta R.T. 0.01 min
Lab File: VV012438.D
Acq: 29 Aug 2019 18:17

Tgt Ion: 43 Resp: 48149
Ion Ratio Lower Upper
43 100
58 32.3 29.7 44.5
100 12.0 10.8 16.2





#42

Toluene

Concen: 0.403 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012438.D

Acq: 29 Aug 2019 18:17

Instrument :

MSVOA_V

ClientSampleId :

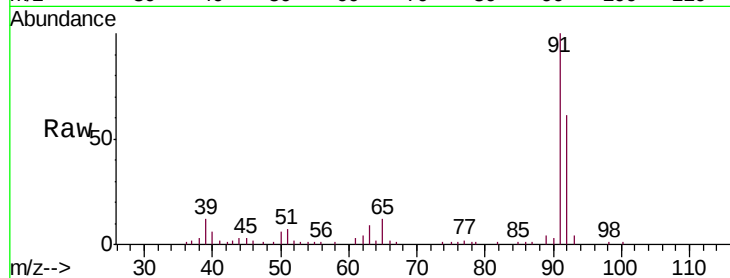
VSTD0.535

Tgt Ion: 91 Resp: 34075

Ion Ratio Lower Upper

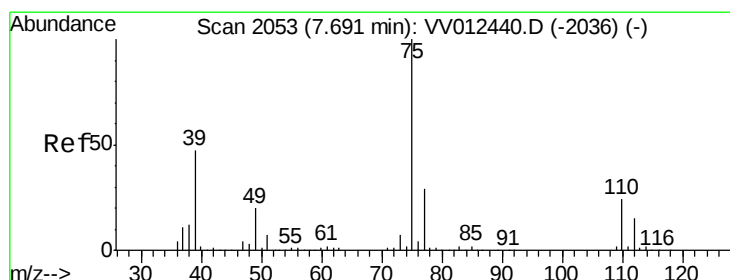
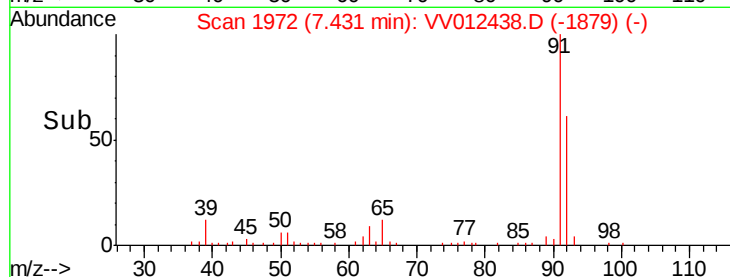
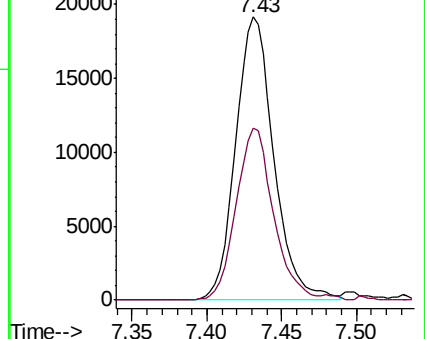
91 100

92 60.9 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.412 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.01 min

Lab File: VV012438.D

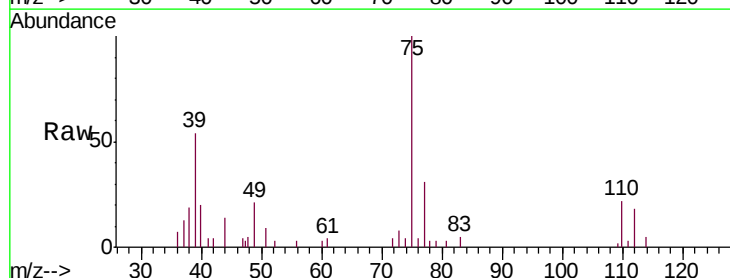
Acq: 29 Aug 2019 18:17

Tgt Ion: 75 Resp: 8878

Ion Ratio Lower Upper

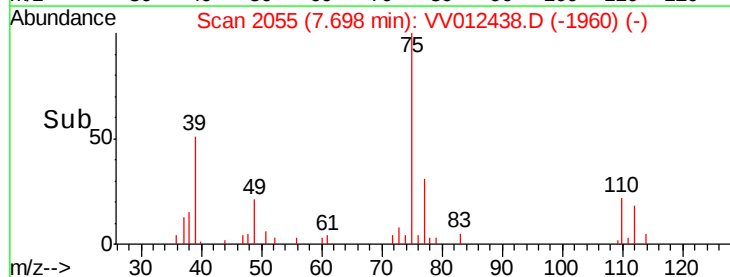
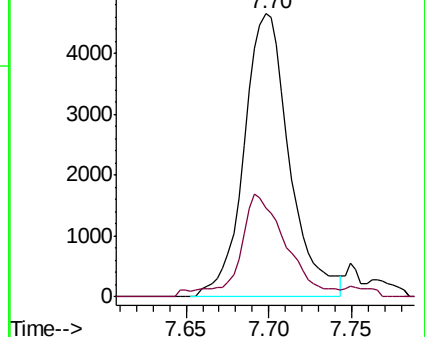
75 100

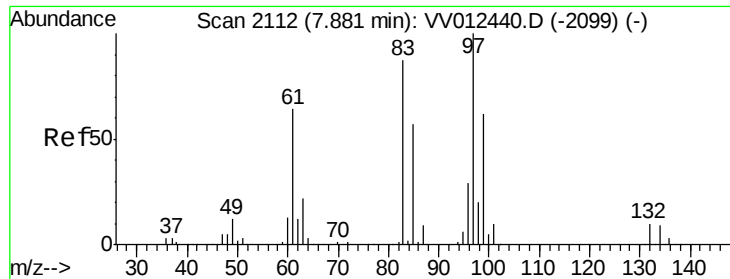
77 31.2 20.6 38.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

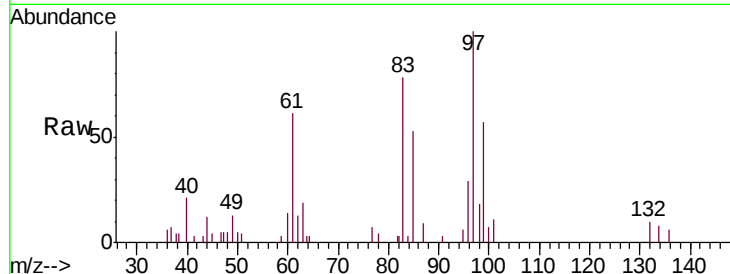




#45
 1,1,2-Trichloroethane
 Concen: 0.513 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV012438.D
 Acq: 29 Aug 2019 18:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

Tgt Ion:	97	Resp:	7194
Ion	Ratio	Lower	Upper
97	100		
99	57.0	43.3	80.3
83	78.3	61.2	113.6
85	52.9	40.0	74.4



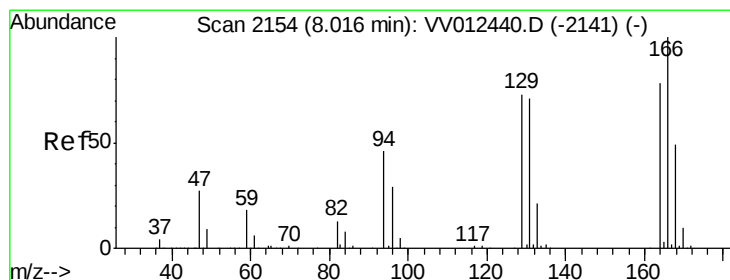
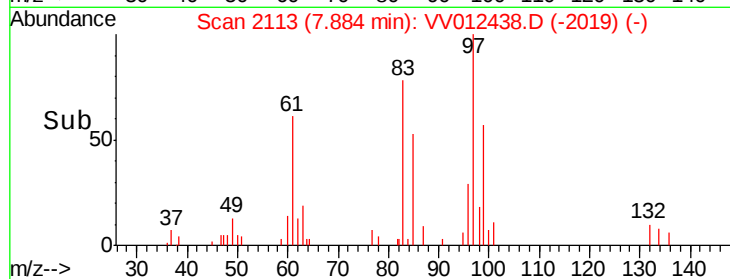
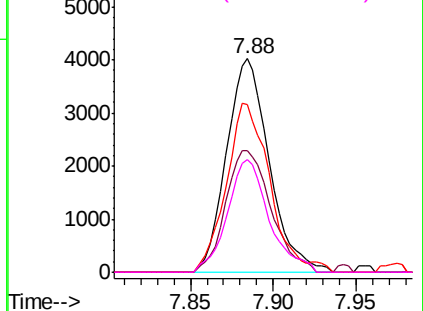
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

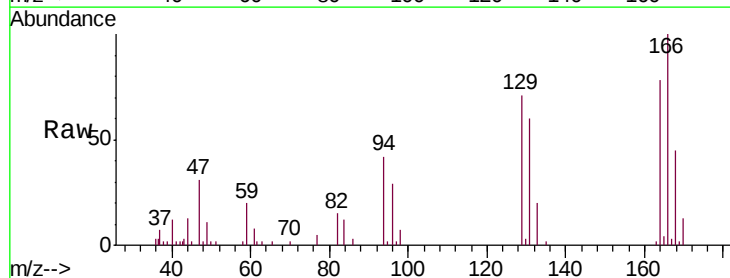
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 0.440 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012438.D
 Acq: 29 Aug 2019 18:17

Tgt Ion:	164	Resp:	7630
Ion	Ratio	Lower	Upper
164	100		
129	91.2	65.6	121.8
131	76.3	63.3	117.5
166	128.1	89.4	166.0



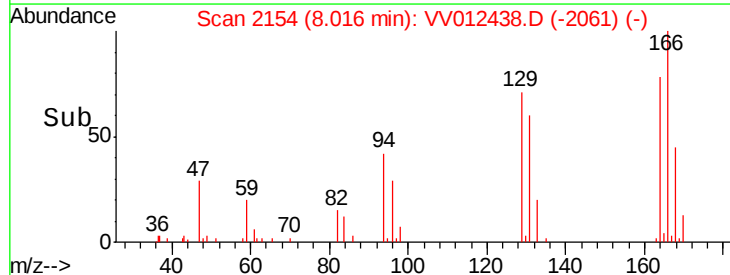
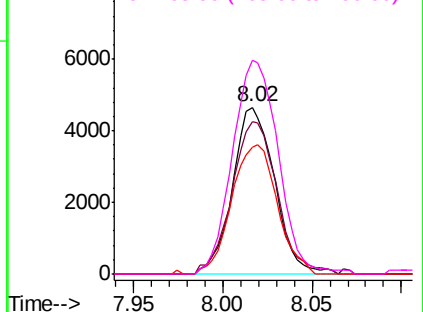
Abundance

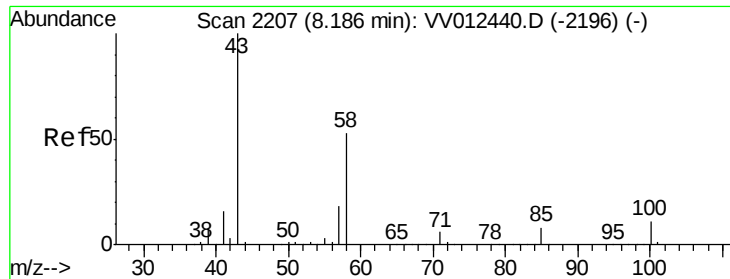
Ion 163.90 (163.60 to 164.60): V

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

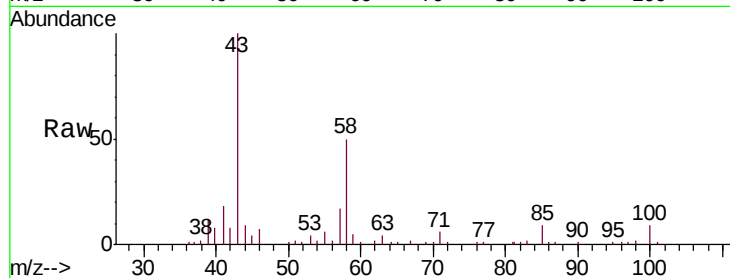




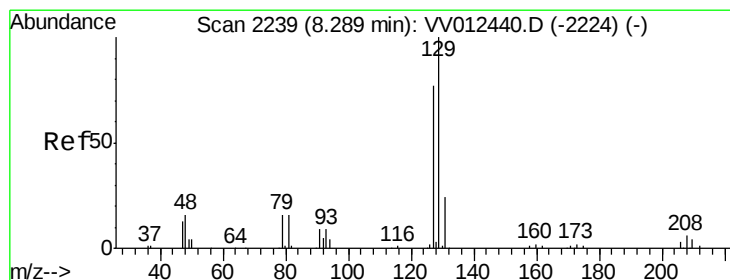
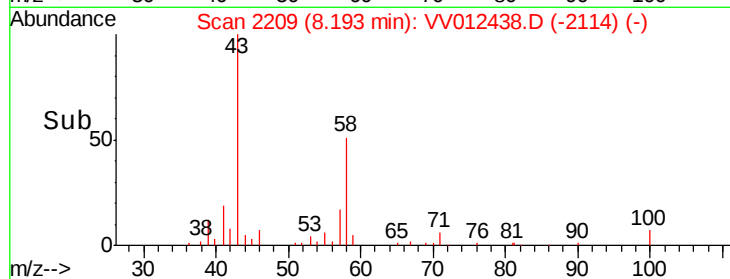
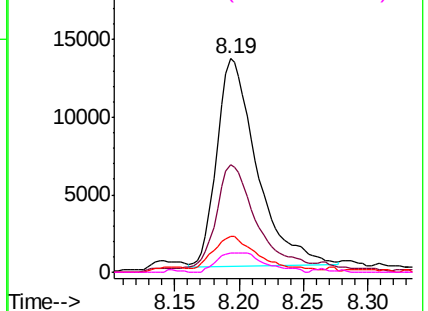
#48
2-Hexanone
Concen: 3.537 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV012438.D
Acq: 29 Aug 2019 18:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

Tgt Ion: 43 Resp: 29072
Ion Ratio Lower Upper
43 100
58 51.7 43.6 65.4
57 19.0 14.2 21.2
100 10.9 8.9 13.3

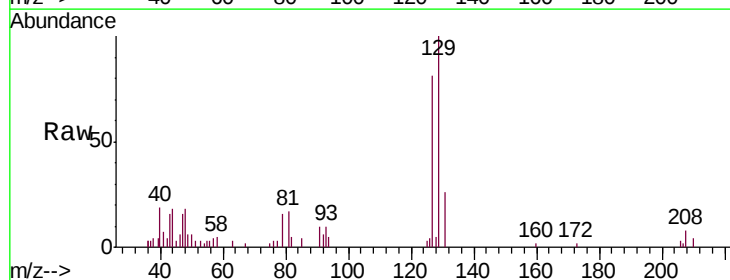


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

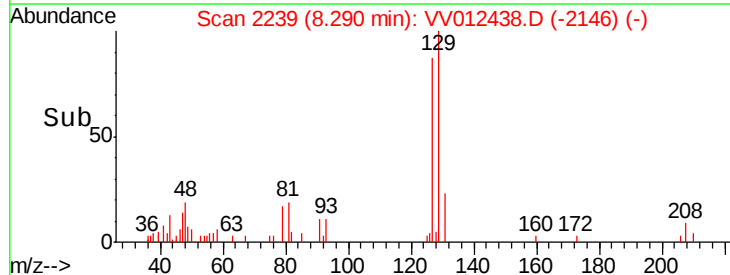
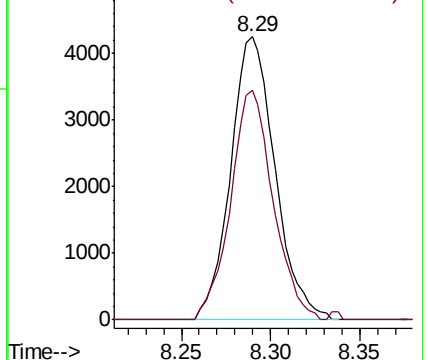


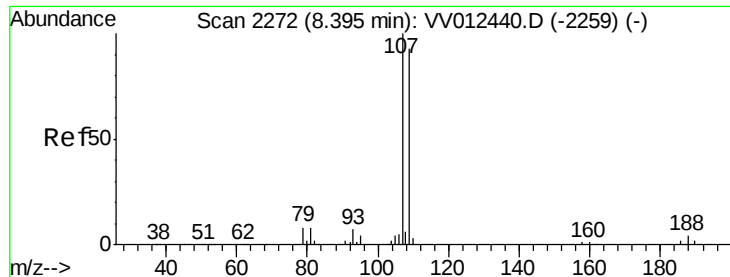
#49
Dibromochloromethane
Concen: 0.443 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012438.D
Acq: 29 Aug 2019 18:17

Tgt Ion: 129 Resp: 7349
Ion Ratio Lower Upper
129 100
127 81.3 53.6 99.6



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

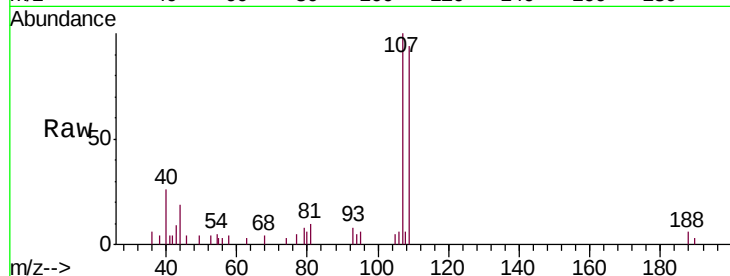




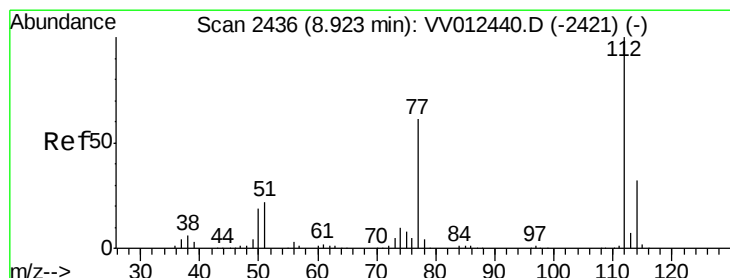
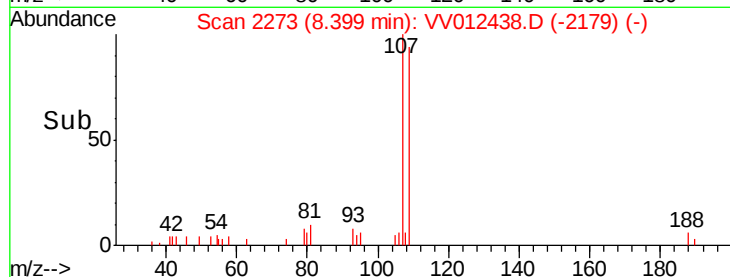
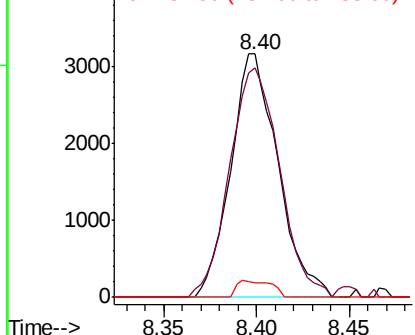
#50
1,2-Dibromoethane
Concen: 0.444 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV012438.D
Acq: 29 Aug 2019 18:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

Tgt Ion:107 Resp: 5632
Ion Ratio Lower Upper
107 100
109 94.4 65.0 120.8
188 5.7 2.8 4.2#

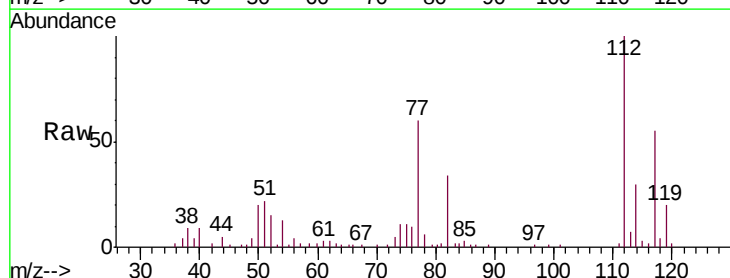


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

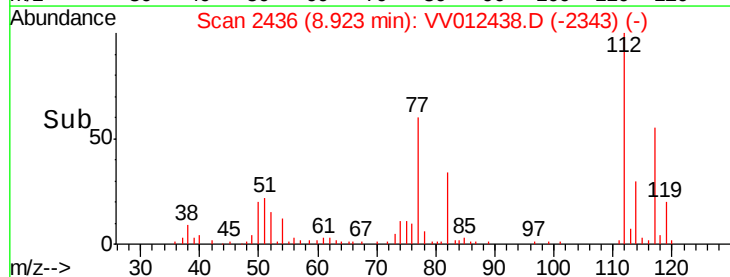
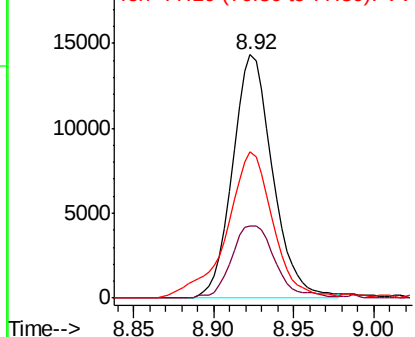


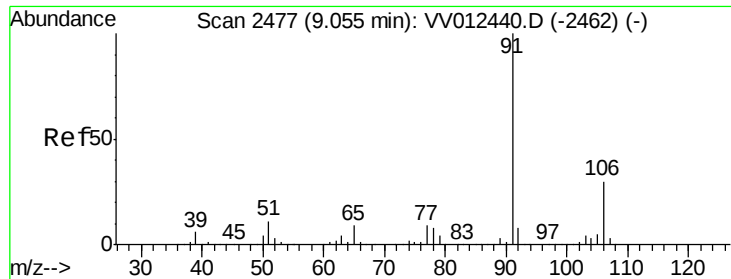
#51
Chlorobenzene
Concen: 0.453 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012438.D
Acq: 29 Aug 2019 18:17

Tgt Ion:112 Resp: 24463
Ion Ratio Lower Upper
112 100
114 29.5 22.7 42.3
77 60.0 49.0 73.6



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





#52

Ethylbenzene

Concen: 0.383 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012438.D

Acq: 29 Aug 2019 18:17

Instrument :

MSVOA_V

ClientSampleId :

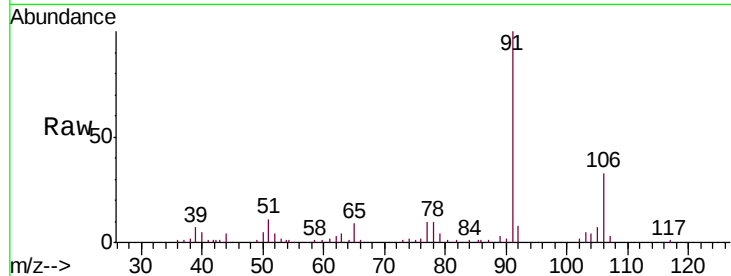
VSTD0.535

Tgt Ion: 91 Resp: 34739

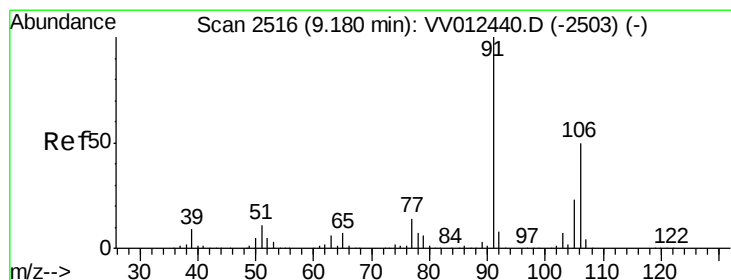
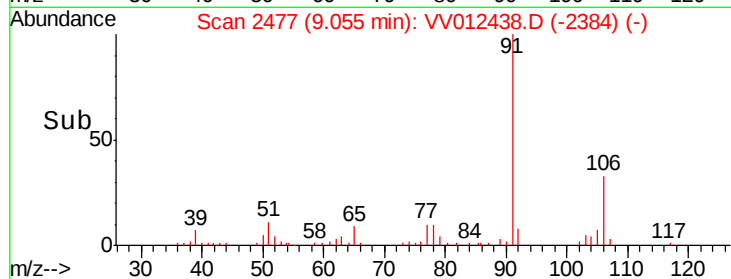
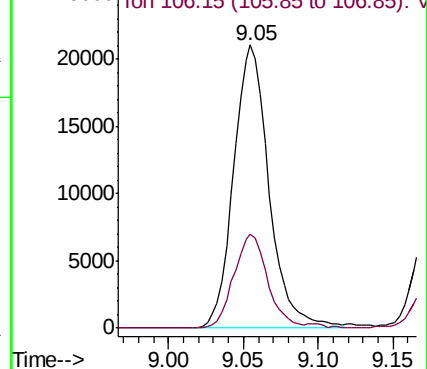
Ion Ratio Lower Upper

91 100

106 33.4 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VV012440.D (-2462) (-)



#53

m,p-xylene

Concen: 0.342 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012438.D

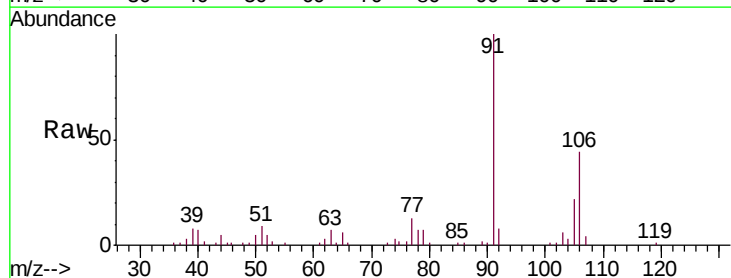
Acq: 29 Aug 2019 18:17

Tgt Ion: 106 Resp: 11568

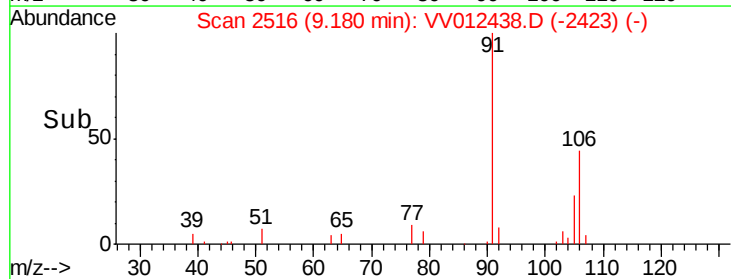
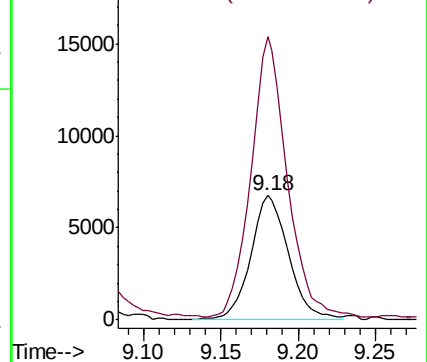
Ion Ratio Lower Upper

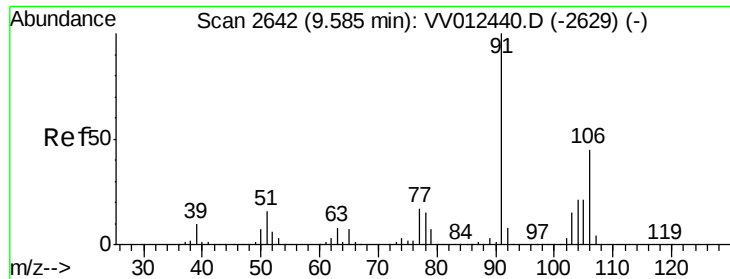
106 100

91 228.2 141.3 262.3



Abundance Ion 106.15 (105.85 to 106.85): VV012440.D (-2503) (-)

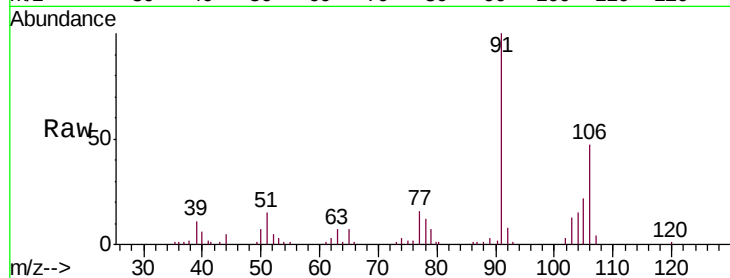




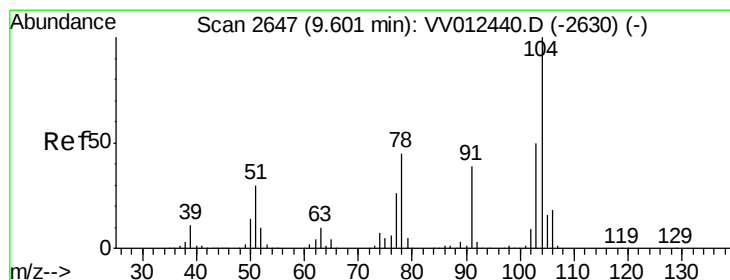
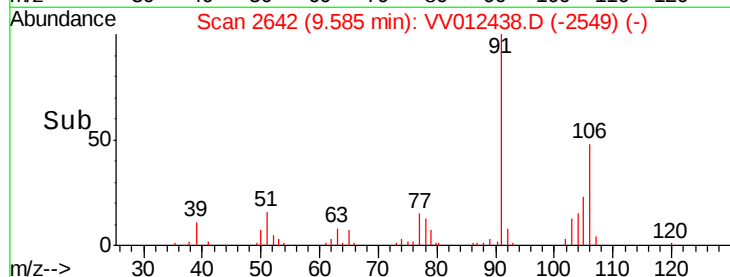
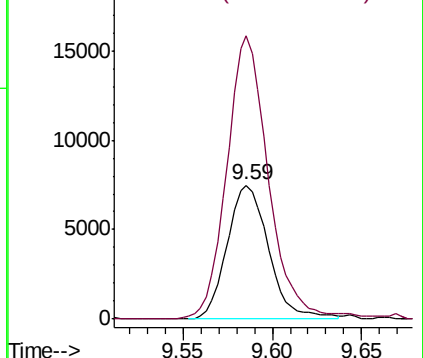
#54
o-xylene
Concen: 0.373 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV012438.D
Acq: 29 Aug 2019 18:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

Tgt Ion:106 Resp: 12102
Ion Ratio Lower Upper
106 100
91 211.1 155.6 289.0

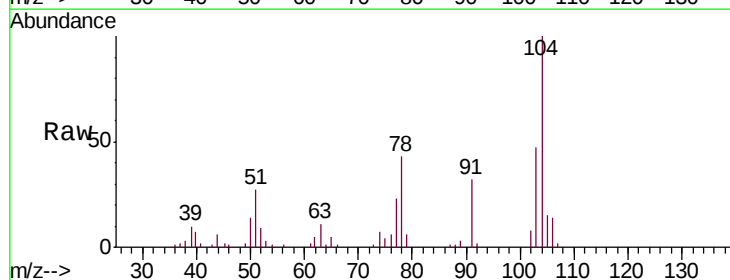


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

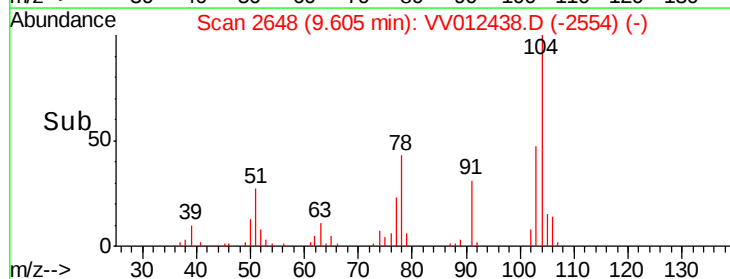
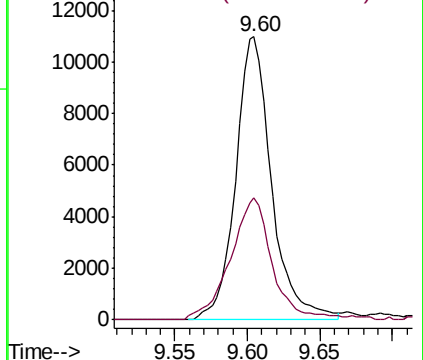


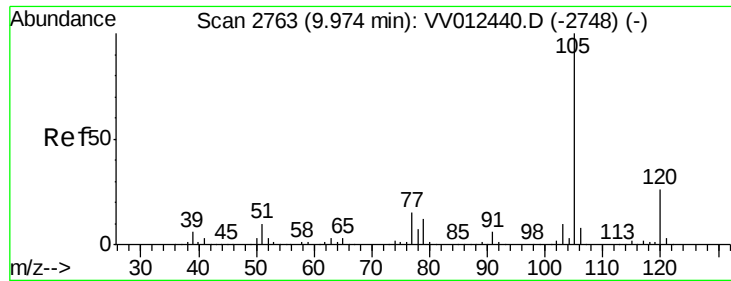
#55
Styrene
Concen: 0.346 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV012438.D
Acq: 29 Aug 2019 18:17

Tgt Ion:104 Resp: 18890
Ion Ratio Lower Upper
104 100
78 43.1 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.341 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012438.D

Acq: 29 Aug 2019 18:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

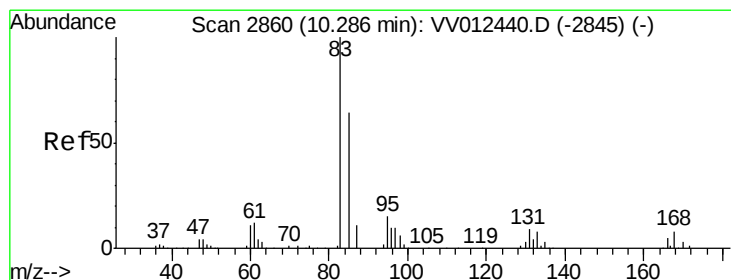
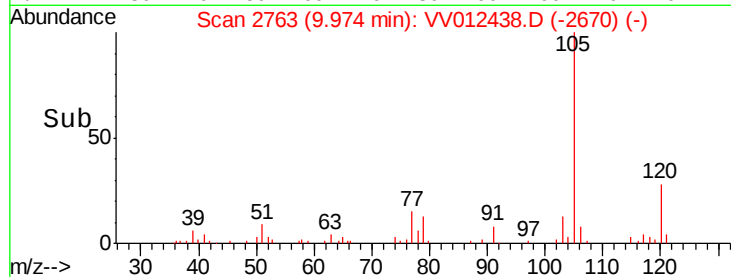
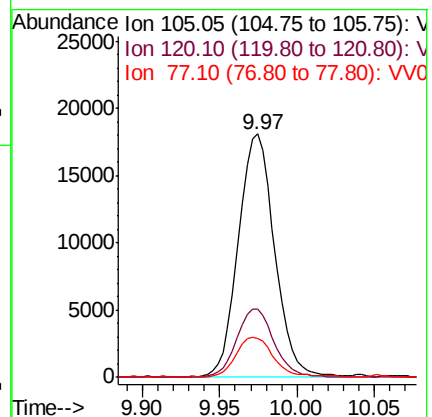
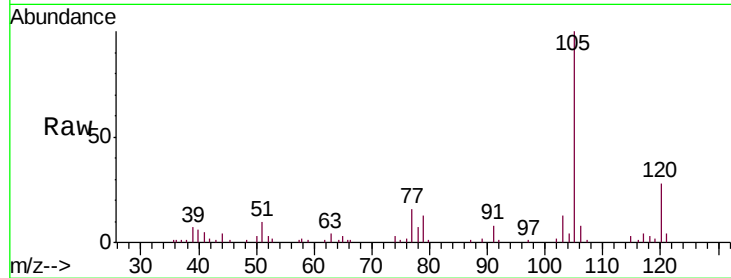
Tgt Ion:105 Resp: 29484

Ion Ratio Lower Upper

105 100

120 28.7 20.6 31.0

77 17.1 12.7 19.1



#58

1,1,2,2-Tetrachloroethane

Concen: 0.470 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012438.D

Acq: 29 Aug 2019 18:17

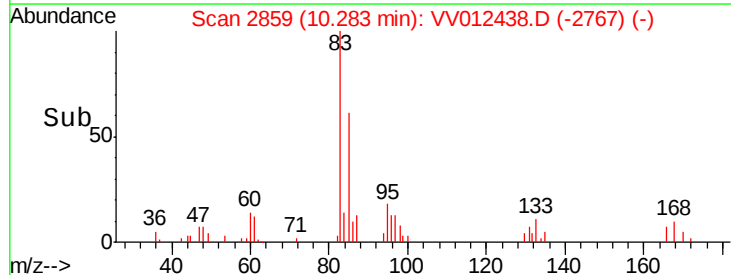
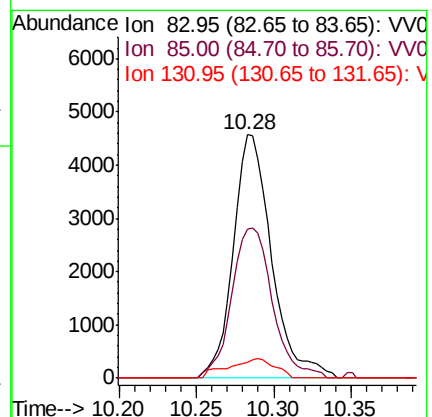
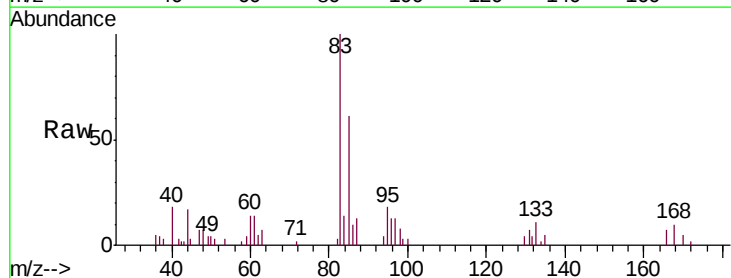
Tgt Ion: 83 Resp: 7844

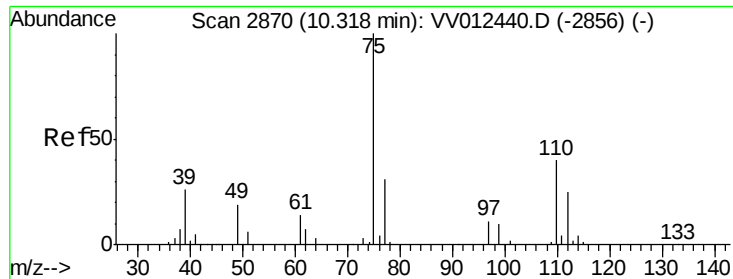
Ion Ratio Lower Upper

83 100

85 61.0 45.0 83.6

131 6.7 7.4 11.2#

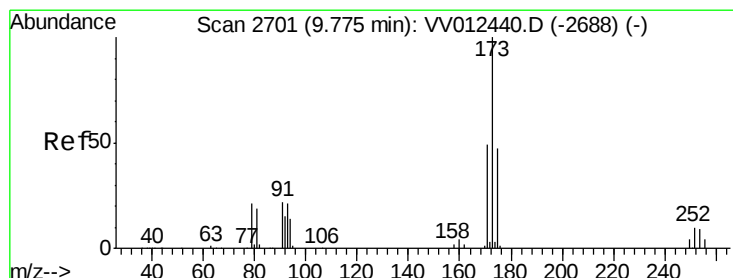
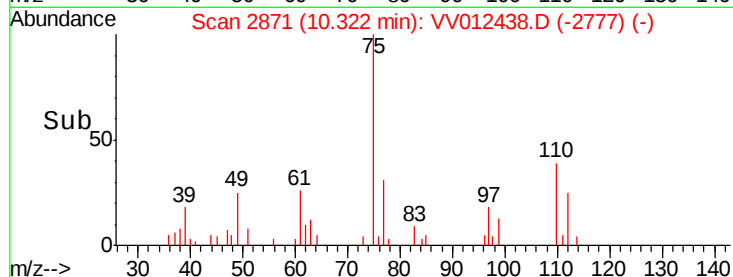
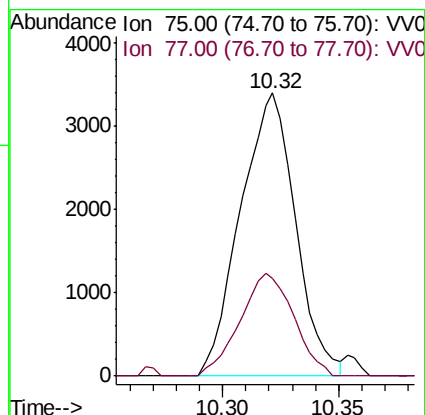
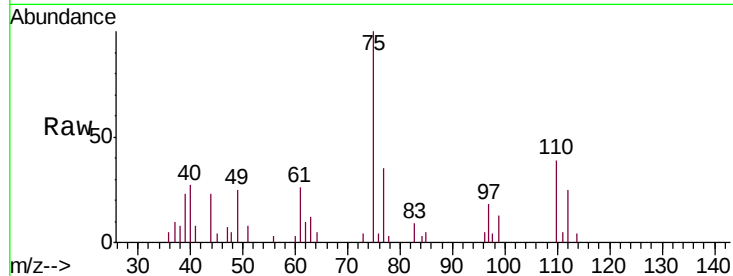




#59
 1,2,3-Trichloropropane
 Concen: 0.471 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV012438.D
 Acq: 29 Aug 2019 18:17

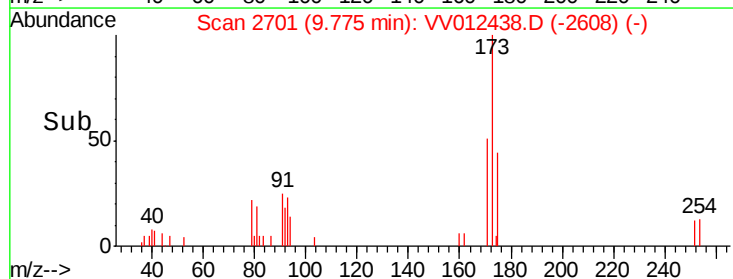
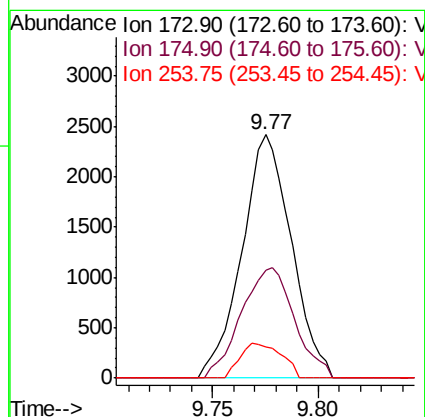
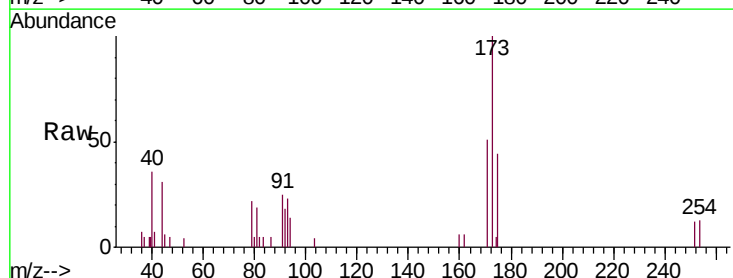
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

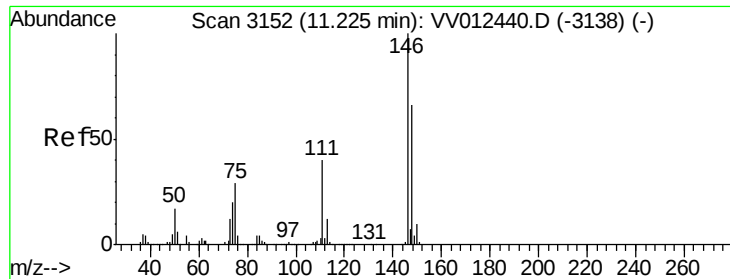
Tgt Ion: 75 Resp: 5610
 Ion Ratio Lower Upper
 75 100
 77 35.4 25.2 37.8



#61
 Bromoform
 Concen: 0.490 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV012438.D
 Acq: 29 Aug 2019 18:17

Tgt Ion: 173 Resp: 3940
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.0 58.6
 254 12.1 8.4 12.6

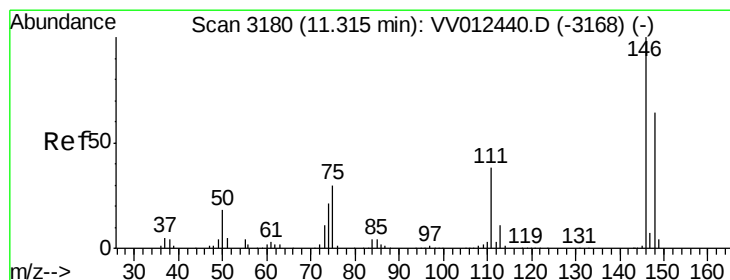
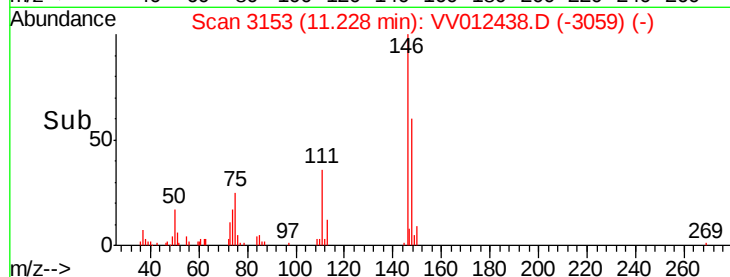
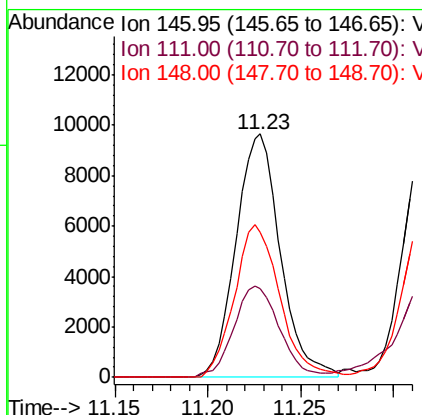
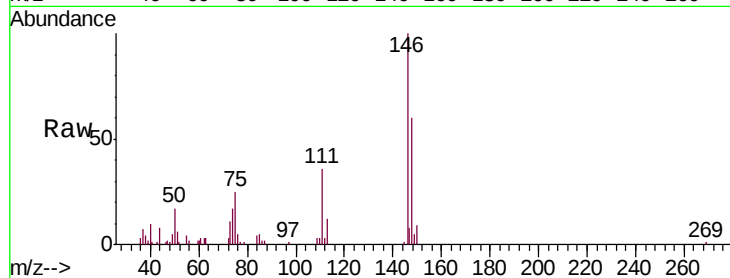




#62
 1,3-Dichlorobenzene
 Concen: 0.444 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV012438.D
 Acq: 29 Aug 2019 18:17

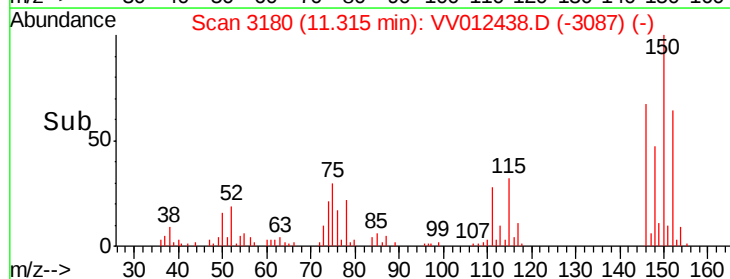
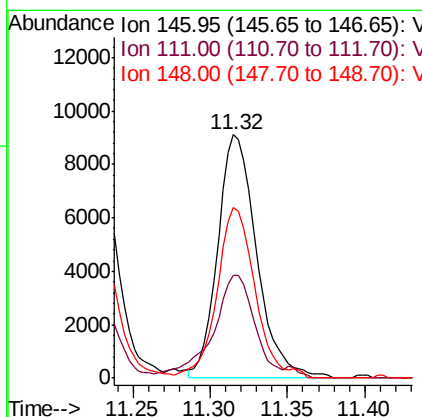
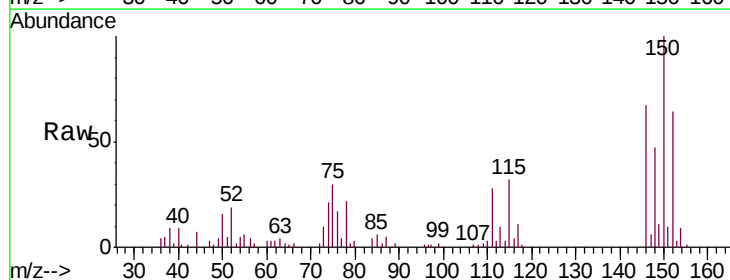
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

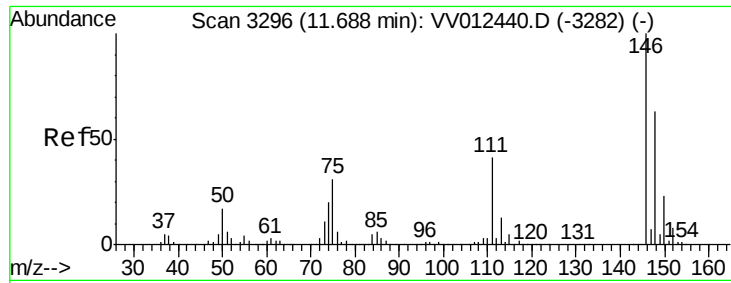
Tgt Ion:146 Resp: 16076
 Ion Ratio Lower Upper
 146 100
 111 36.2 27.6 51.4
 148 59.8 45.8 85.2



#63
 1,4-Dichlorobenzene
 Concen: 0.439 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV012438.D
 Acq: 29 Aug 2019 18:17

Tgt Ion:146 Resp: 15914
 Ion Ratio Lower Upper
 146 100
 111 42.0 26.8 49.8
 148 69.9 44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 0.468 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV012438.D

Acq: 29 Aug 2019 18:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

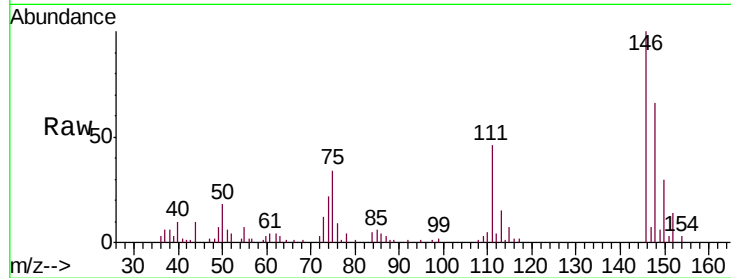
Tgt Ion:146 Resp: 15864

Ion Ratio Lower Upper

146 100

111 46.3 32.5 48.7

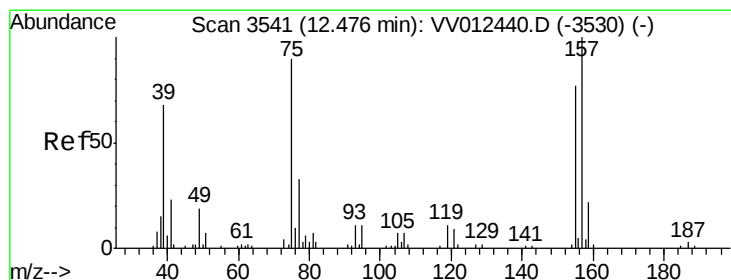
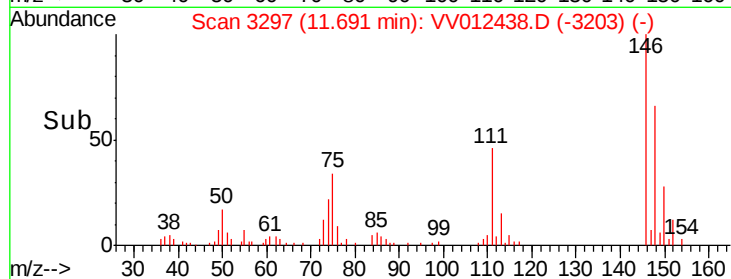
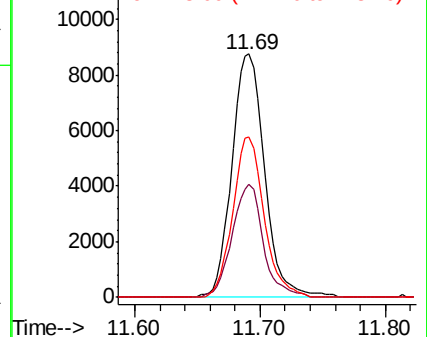
148 65.8 50.2 75.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.467 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV012438.D

Acq: 29 Aug 2019 18:17

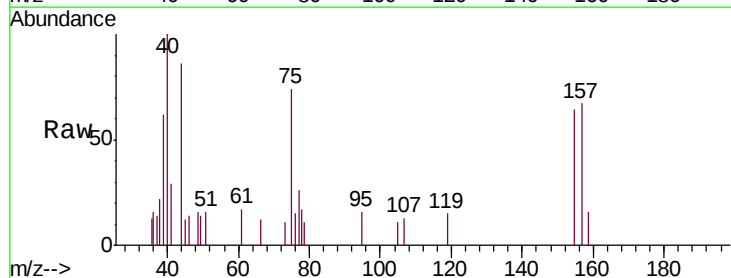
Tgt Ion: 75 Resp: 1102

Ion Ratio Lower Upper

75 100

155 86.6 68.6 102.8

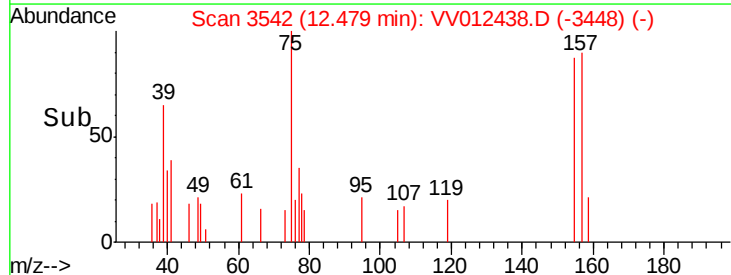
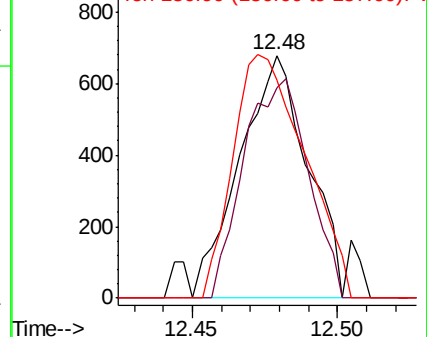
157 90.0 88.6 133.0

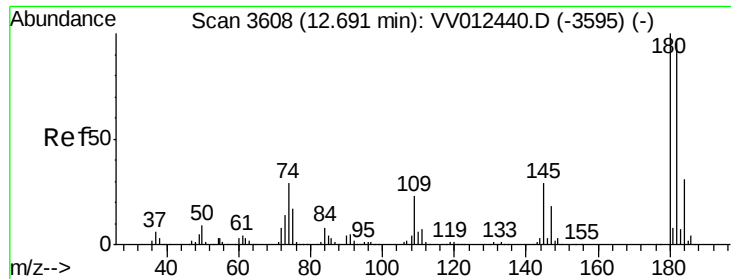


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#67

1,3,5-Trichlorobenzene

Concen: 0.413 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. 0.00 min

Lab File: VV012438.D

Acq: 29 Aug 2019 18:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

Tgt Ion:180 Resp: 11478

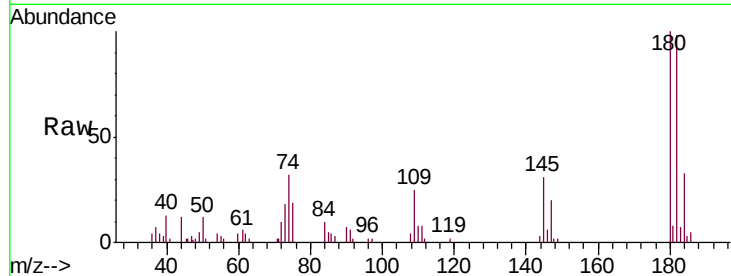
Ion Ratio Lower Upper

180 100

182 96.3 76.6 115.0

184 32.0 24.8 37.2

145 29.6 22.8 34.2

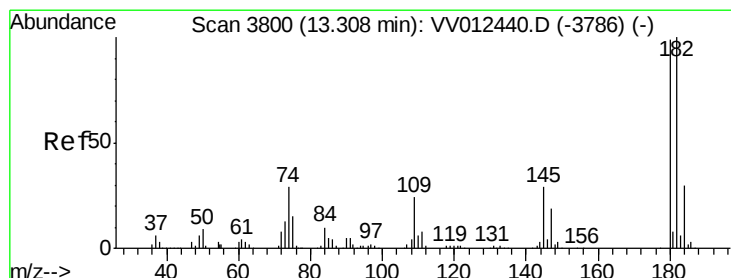
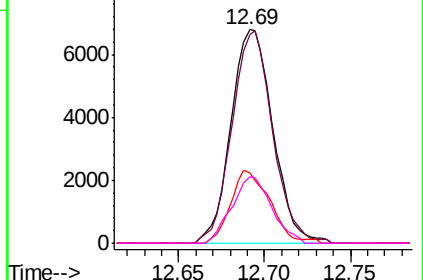
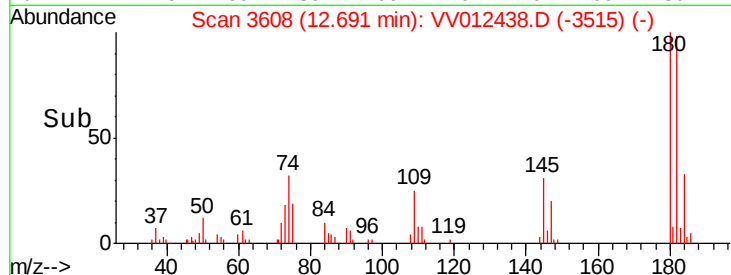


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 0.342 ug/L

RT: 13.31 min Scan# 3801

Delta R.T. 0.00 min

Lab File: VV012438.D

Acq: 29 Aug 2019 18:17

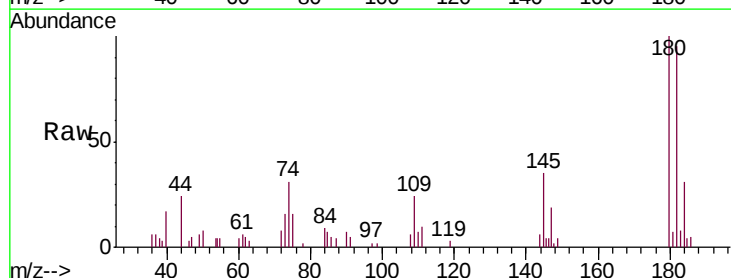
Tgt Ion:180 Resp: 7363

Ion Ratio Lower Upper

180 100

182 90.3 78.1 117.1

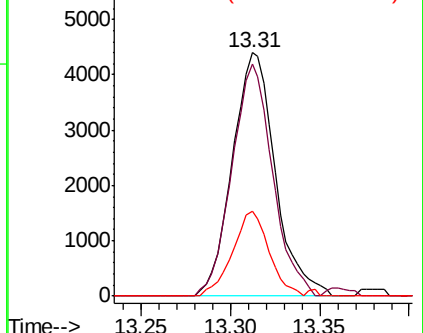
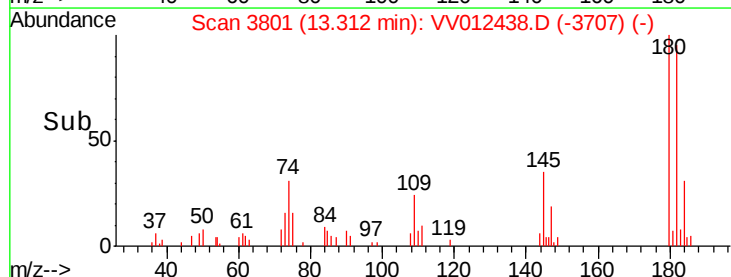
145 29.5 23.4 35.0

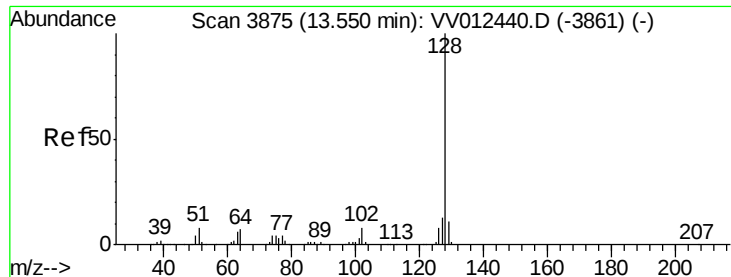


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.246 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.01 min

Lab File: VV012438.D

Acq: 29 Aug 2019 18:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

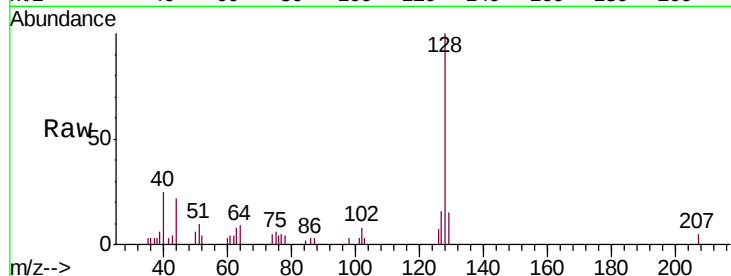
Tgt Ion:128 Resp: 8128

Ion Ratio Lower Upper

128 100

129 13.1 8.6 13.0#

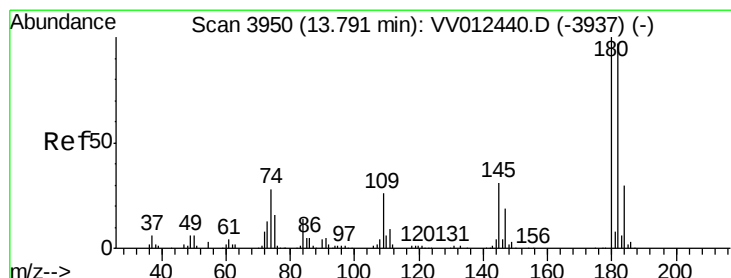
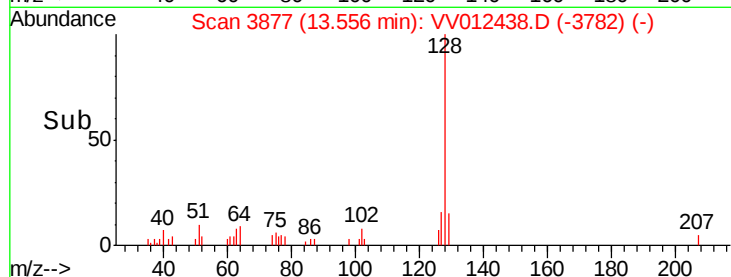
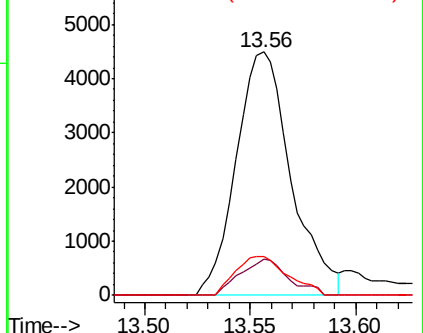
127 15.2 10.7 16.1



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: 0.335 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012438.D

Acq: 29 Aug 2019 18:17

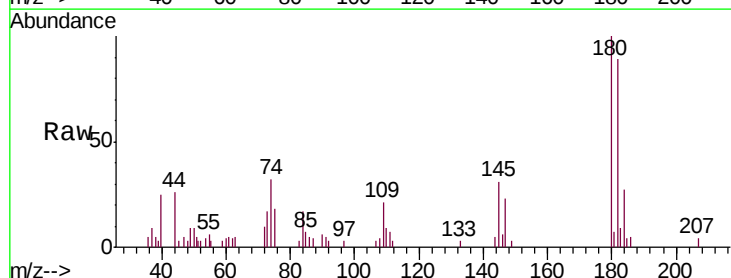
Tgt Ion:180 Resp: 6942

Ion Ratio Lower Upper

180 100

182 97.3 77.5 116.3

145 34.6 25.0 37.6



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

