

Data File : VV014424.D
Acq On : 29 Jan 2020 14:52
Operator : SY/MD
Sample : VSTD0.536
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

Quant Time: Jan 30 00:53:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR012920WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jan 30 00:51:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	228206	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	208370	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	99107	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	6784	0.44	ug/L	0.00
7) Chloroethane-d5	1.58	69	5312	0.45	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	9715	0.43	ug/L	0.00
20) 2-Butanone-d5	3.98	46	5032	1.40	ug/L	0.03
24) Chloroform-d	4.40	84	14249	0.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	6260	0.42	ug/L	0.00
32) Benzene-d6	5.10	84	28252	0.46	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	8736	0.46	ug/L	0.00
41) Toluene-d8	7.36	98	26965	0.47	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	3578	0.43	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	12068	3.49	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	5916	0.45	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	9053	0.49	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	8769	0.506 ug/L	99
3) Chloromethane	1.25	50	7076	0.432 ug/L	99
5) Vinyl chloride	1.32	62	6996	0.453 ug/L	99
6) Bromomethane	1.54	94	2257	0.277 ug/L	96
8) Chloroethane	1.60	64	3642	0.423 ug/L	92
9) Trichlorofluoromethane	1.77	101	9187	0.492 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	5118	0.510 ug/L	98
12) 1,1-Dichloroethene	2.14	96	4597	0.466 ug/L #	80
13) Acetone	2.21	43	8473	3.365 ug/L	92
14) Carbon disulfide	2.32	76	21937	0.482 ug/L	100
15) Methyl Acetate	2.48	43	1606	0.279 ug/L #	84
16) Methylene chloride	2.53	84	11136	0.668 ug/L	95
17) Methyl tert-butyl Ether	2.80	73	15343	0.419 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	7520	0.489 ug/L	100
19) 1,1-Dichloroethane	3.23	63	13445	0.451 ug/L	96
21) 2-Butanone	4.07	43	6459	1.706 ug/L	93
22) cis-1,2-Dichloroethene	3.96	96	7850	0.465 ug/L	91
23) Bromochloromethane	4.30	128	2888	0.454 ug/L	91
25) Chloroform	4.42	83	14181	0.492 ug/L	98
27) 1,2-Dichloroethane	5.18	62	7676	0.455 ug/L	95
29) 1,1,1-Trichloroethane	4.66	97	11660	0.471 ug/L	98
30) Cyclohexane	4.72	56	13043	0.477 ug/L	97
31) Carbon tetrachloride	4.87	117	9597	0.454 ug/L	98
33) Benzene	5.14	78	30185	0.468 ug/L	100
34) Trichloroethene	5.96	95	8064	0.486 ug/L	97
35) Methylcyclohexane	6.17	83	13789	0.508 ug/L	97
37) 1,2-Dichloropropane	6.22	63	7504	0.464 ug/L	98
38) Bromodichloromethane	6.55	83	9017	0.436 ug/L	88
39) cis-1,3-Dichloropropene	7.07	75	10825	0.419 ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	41220	4.144 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	32487	0.477	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	8254	0.420	ug/L	93
45) 1,1,2-Trichloroethane	7.88	97	5141	0.495	ug/L	90
47) Tetrachloroethene	8.01	164	6245	0.547	ug/L	86
48) 2-Hexanone	8.19	43	27067	3.939	ug/L	98
49) Dibromochloromethane	8.29	129	5799	0.447	ug/L	94
50) 1,2-Dibromoethane	8.40	107	4484	0.450	ug/L #	91
51) Chlorobenzene	8.92	112	21003	0.501	ug/L	98
52) Ethylbenzene	9.05	91	36338	0.478	ug/L	97
53) m,p-xylene	9.18	106	13316	0.472	ug/L	92
54) o-xylene	9.58	106	13662	0.493	ug/L	96
55) Styrene	9.60	104	21201	0.455	ug/L	98
56) Isopropylbenzene	9.97	105	34652	0.481	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	5623	0.445	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	4216	0.442	ug/L	96
61) Bromoform	9.77	173	2718	0.413	ug/L	95
62) 1,3-Dichlorobenzene	11.22	146	15280	0.490	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	15131	0.488	ug/L	92
65) 1,2-Dichlorobenzene	11.69	146	14030	0.497	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.47	75	1363	0.545	ug/L	87
67) 1,3,5-Trichlorobenzene	12.69	180	11104	0.489	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	8759	0.442	ug/L	99
69) Naphthalene	13.55	128	14924	0.381	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	7598	0.438	ug/L	93

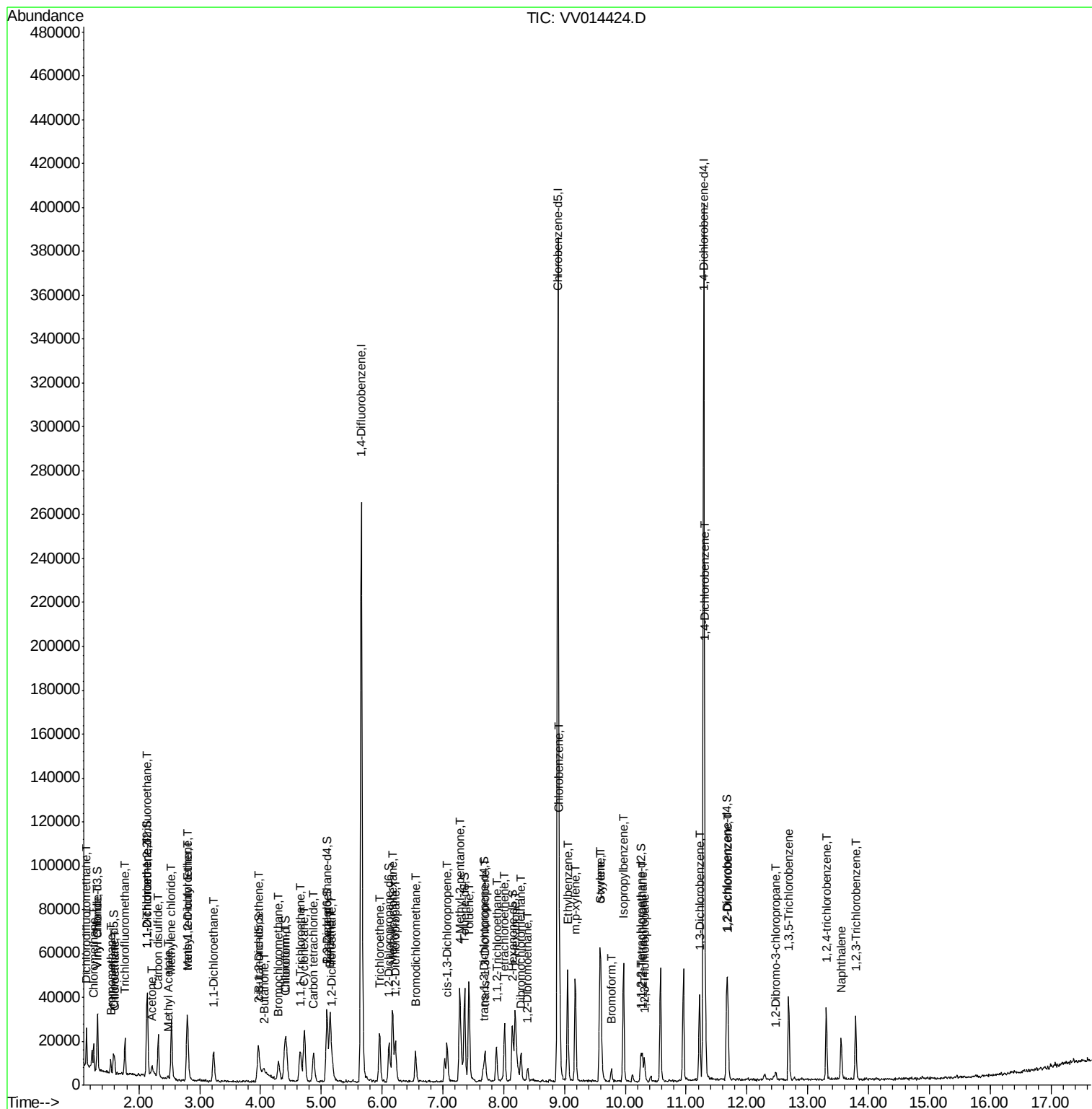
(#) = qualifier out of range (m) = manual integration (+) = signals summed

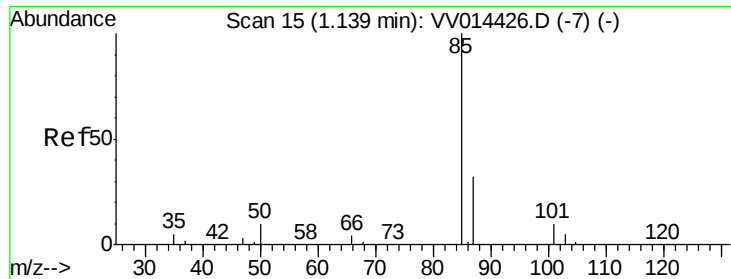
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```
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#2

Dichlorodifluoromethane

Concen: 0.506 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014424.D

Acq: 29 Jan 2020 14:52

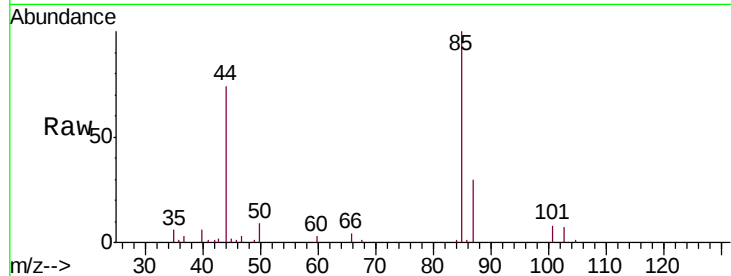
Instrument :
MSVOA_V
ClientSampled :
VSTD0.536

Tgt Ion: 85 Resp: 8769

Ion Ratio Lower Upper

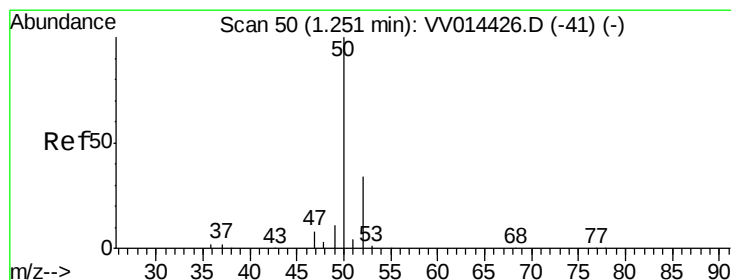
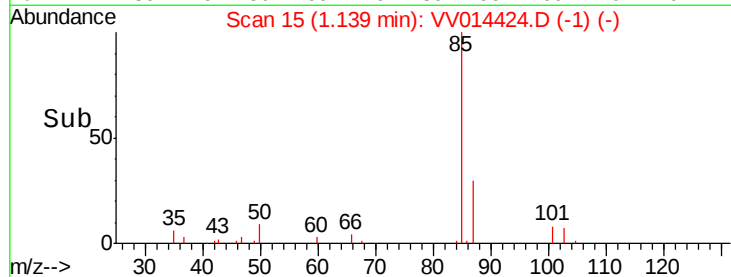
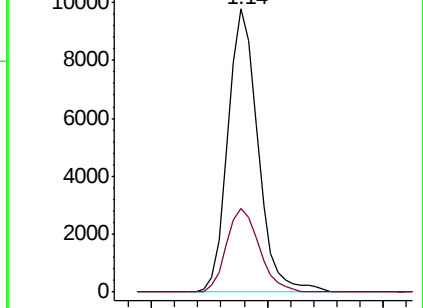
85 100

87 32.2 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV014424.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV014424.D (-7) (-)



#3

Chloromethane

Concen: 0.432 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014424.D

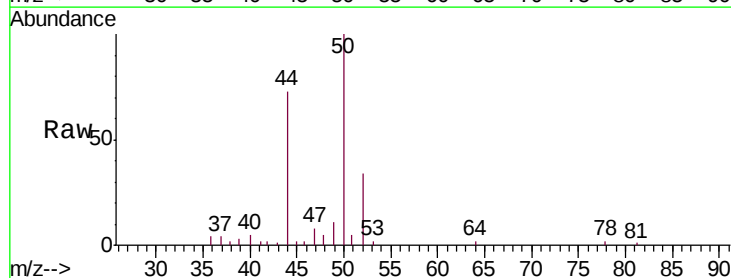
Acq: 29 Jan 2020 14:52

Tgt Ion: 50 Resp: 7076

Ion Ratio Lower Upper

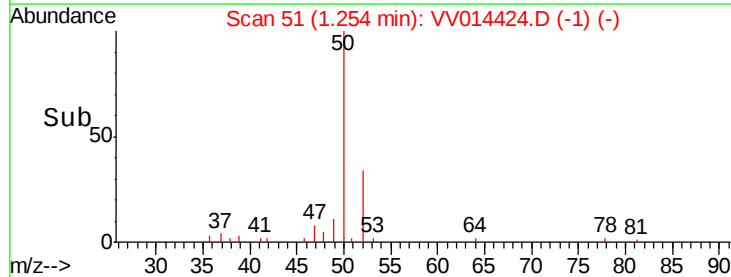
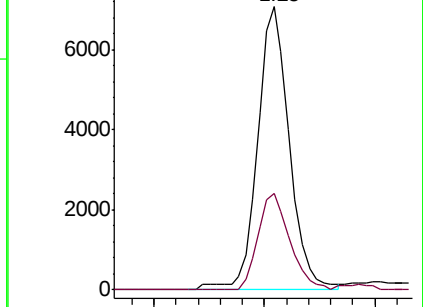
50 100

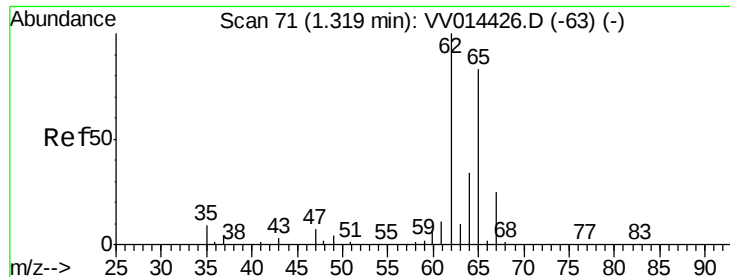
52 34.0 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VV014424.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV014424.D (-41) (-)





#5

Vinyl chloride

Concen: 0.453 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014424.D

Acq: 29 Jan 2020 14:52

Instrument :

MSVOA_V

ClientSampleId :

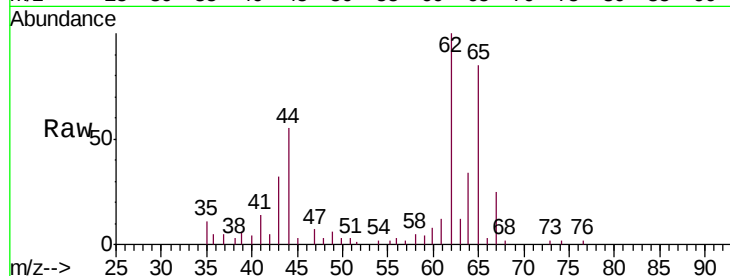
VSTD0.536

Tgt Ion: 62 Resp: 6996

Ion Ratio Lower Upper

62 100

64 33.8 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

8000

6000

4000

2000

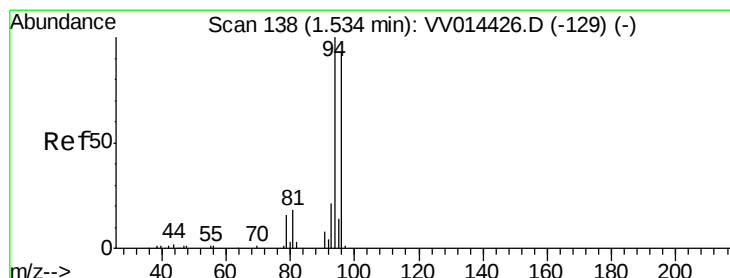
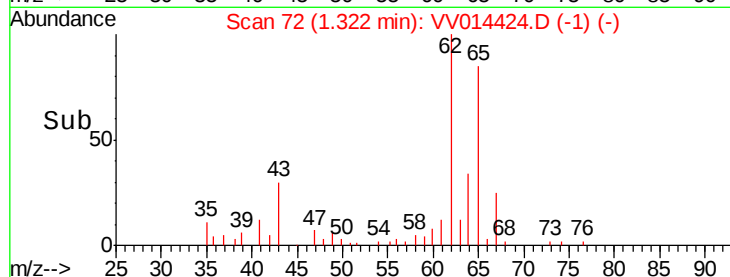
0

1.30

1.32

1.35

Time-->



#6

Bromomethane

Concen: 0.277 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014424.D

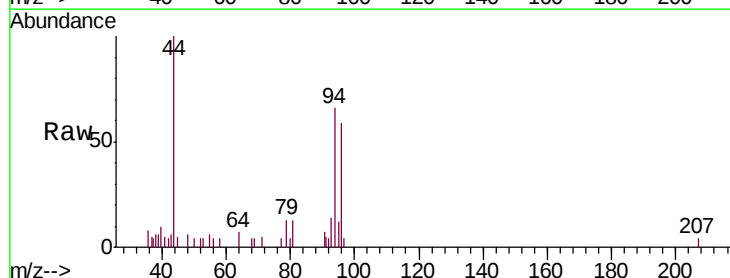
Acq: 29 Jan 2020 14:52

Tgt Ion: 94 Resp: 2257

Ion Ratio Lower Upper

94 100

96 89.3 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

2000

1500

1000

500

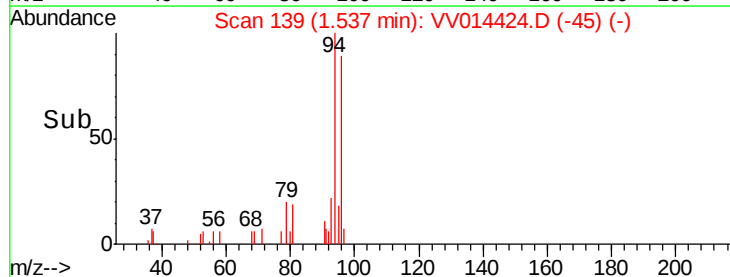
0

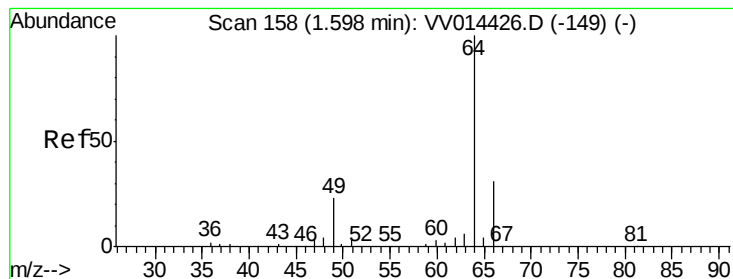
1.50

1.54

1.55

Time-->





#8

Chloroethane

Concen: 0.423 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014424.D

Acq: 29 Jan 2020 14:52

Instrument :

MSVOA_V

ClientSampleId :

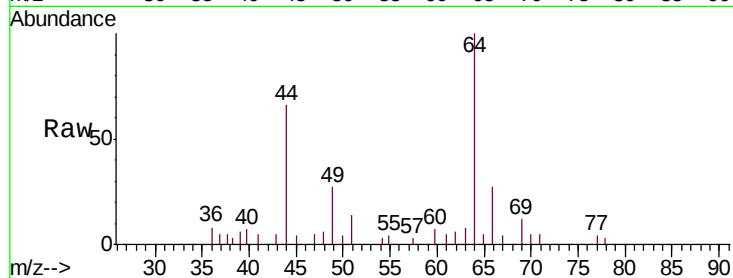
VSTD0.536

Tgt Ion: 64 Resp: 3642

Ion Ratio Lower Upper

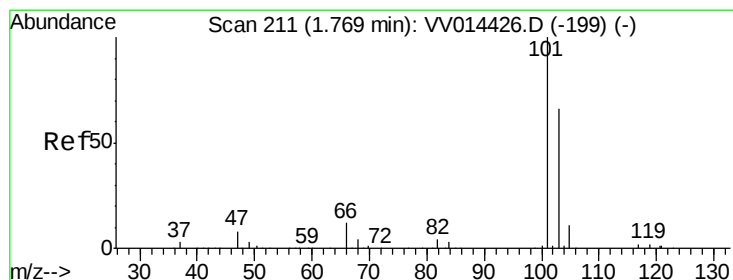
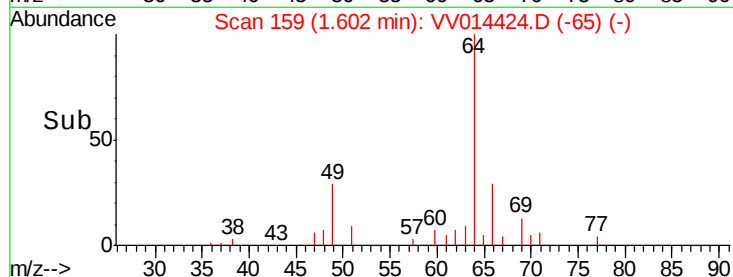
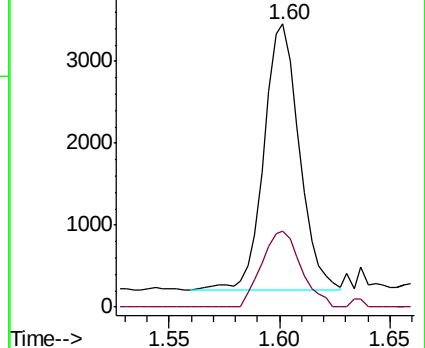
64 100

66 26.8 21.7 40.3



Abundance Ion 64.10 (63.80 to 64.80): VV014424.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV014424.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 0.492 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV014424.D

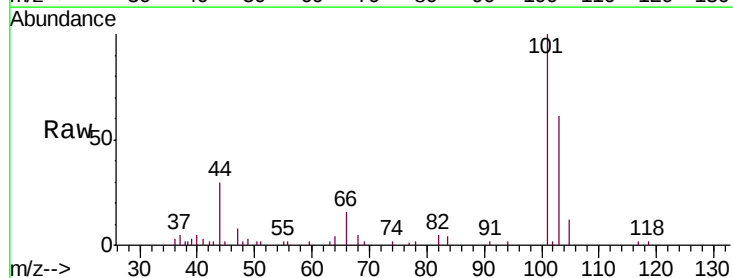
Acq: 29 Jan 2020 14:52

Tgt Ion: 101 Resp: 9187

Ion Ratio Lower Upper

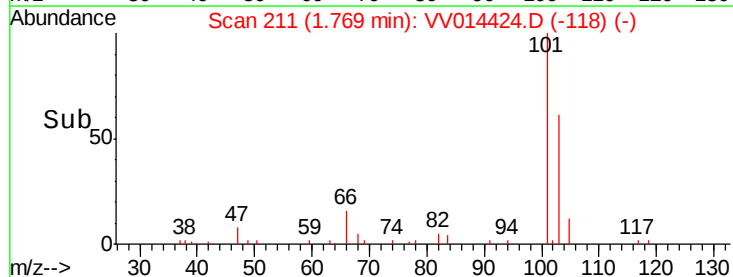
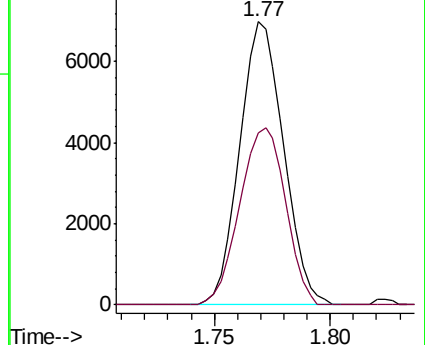
101 100

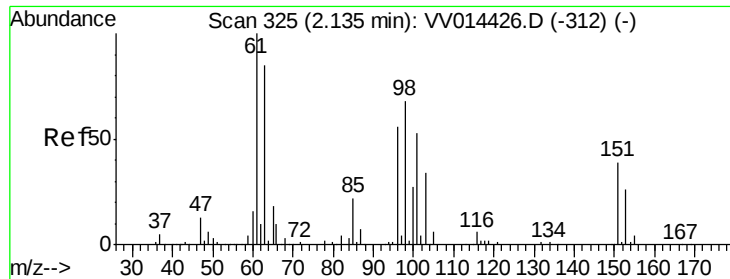
103 65.3 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV014424.D (-118) (-)

Ion 103.00 (102.70 to 103.70): VV014424.D (-118) (-)





#10

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

Concen: 0.510 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014424.D

Acq: 29 Jan 2020 14:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

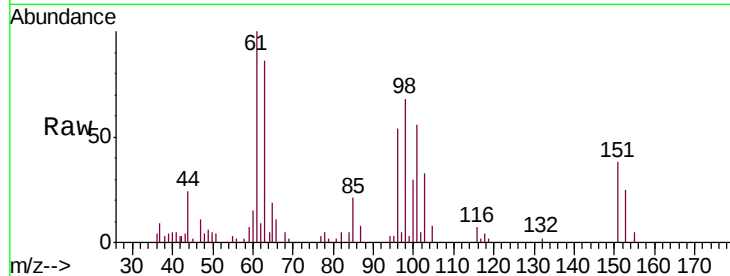
Tgt Ion:101 Resp: 5118

Ion Ratio Lower Upper

101 100

85 43.1 33.2 49.8

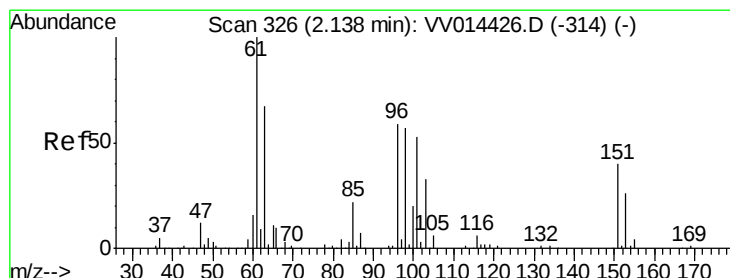
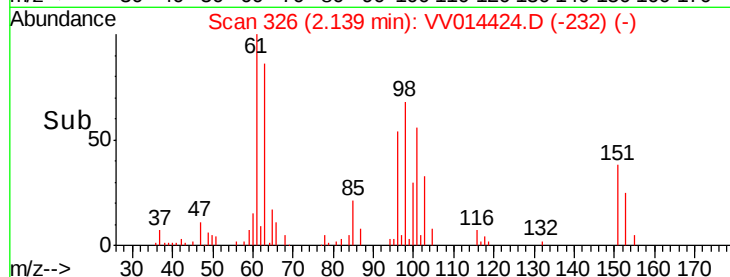
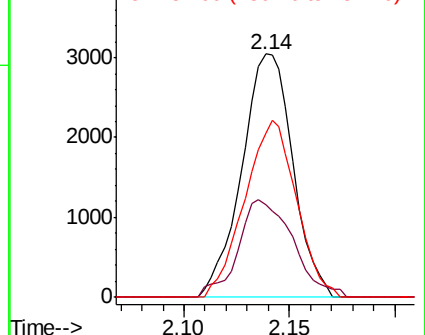
151 73.6 59.6 89.4



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: 0.466 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014424.D

Acq: 29 Jan 2020 14:52

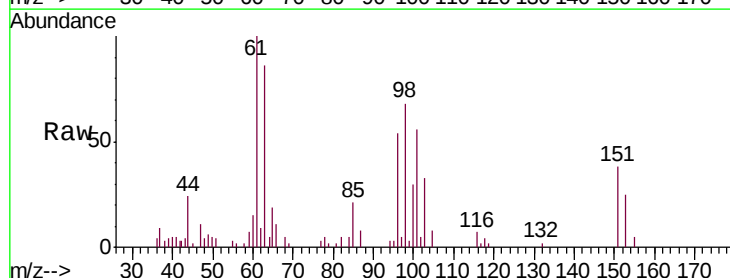
Tgt Ion: 96 Resp: 4597

Ion Ratio Lower Upper

96 100

61 183.7 120.0 223.0

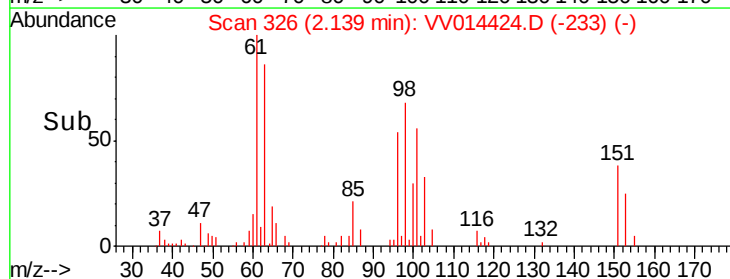
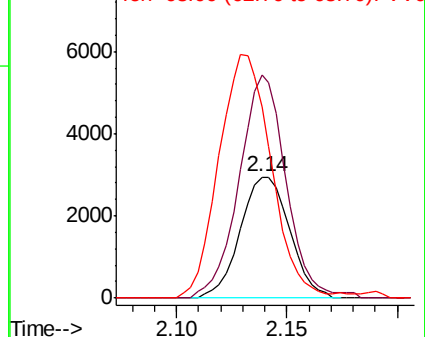
63 157.2 82.4 153.0#

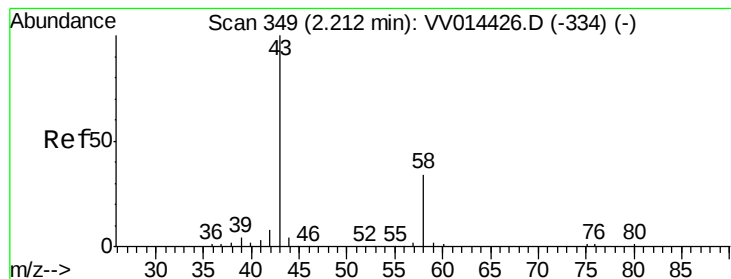


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 3.365 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

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ClientSampleId :

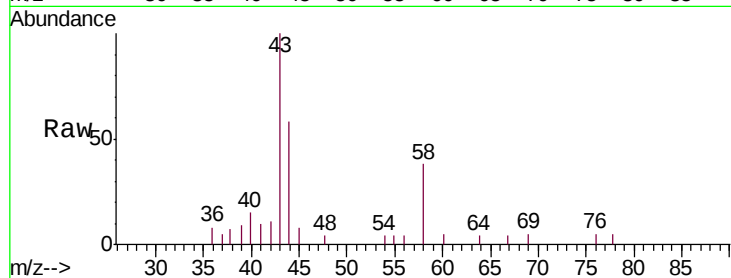
VSTD0.536

Tgt Ion: 43 Resp: 8473

Ion Ratio Lower Upper

43 100

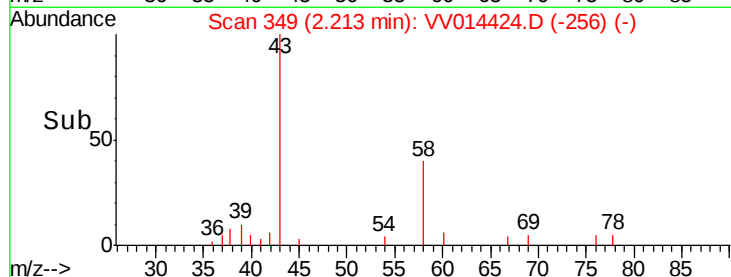
58 27.5 0.0 47.0



Abundance Ion 43.05 (42.75 to 43.75): VV014426.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV014426.D (-334) (-)

Time-->

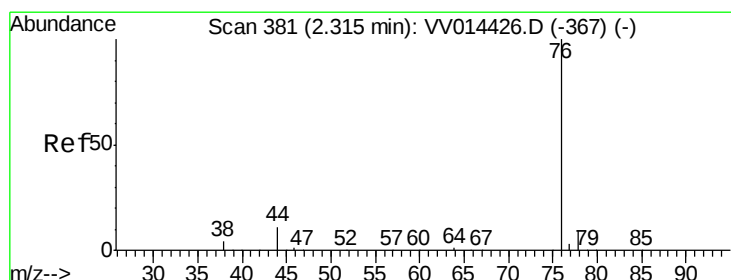


Abundance

Ion 43.05 (42.75 to 43.75): VV014426.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV014426.D (-334) (-)

Time-->



#14

Carbon disulfide

Concen: 0.482 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014424.D

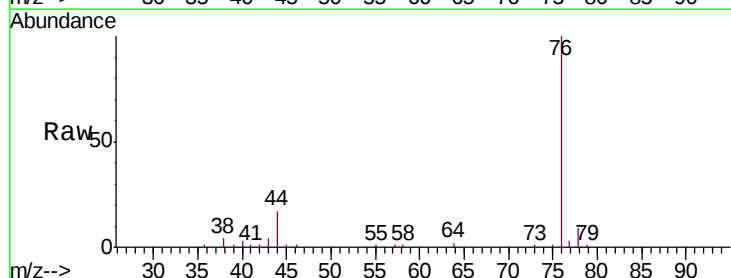
Acq: 29 Jan 2020 14:52

Tgt Ion: 76 Resp: 21937

Ion Ratio Lower Upper

76 100

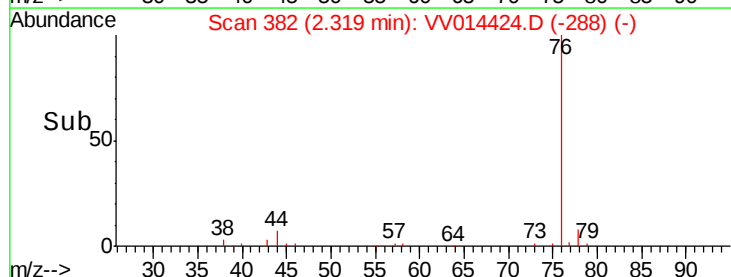
78 9.3 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV014426.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV014426.D (-367) (-)

Time-->

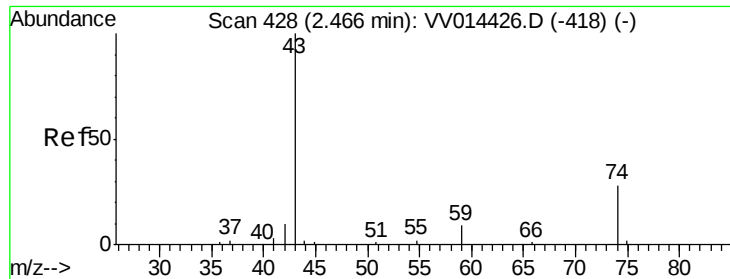


Abundance

Ion 76.05 (75.75 to 76.75): VV014426.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV014426.D (-367) (-)

Time-->



#15

Methyl Acetate

Concen: 0.279 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.01 min

Lab File: VV014424.D

Acq: 29 Jan 2020 14:52

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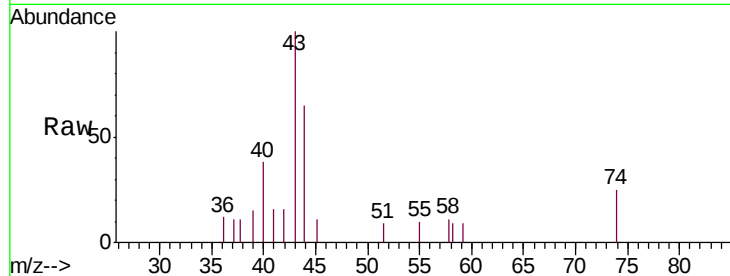
VSTD0.536

Tgt Ion: 43 Resp: 1606

Ion Ratio Lower Upper

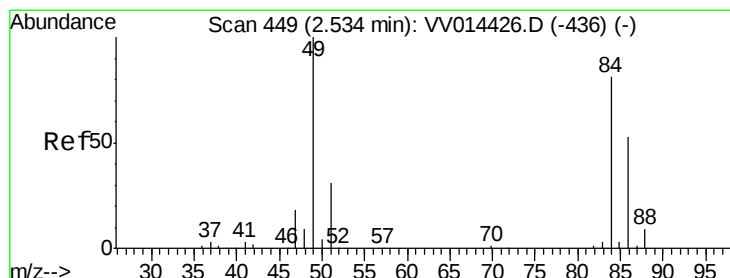
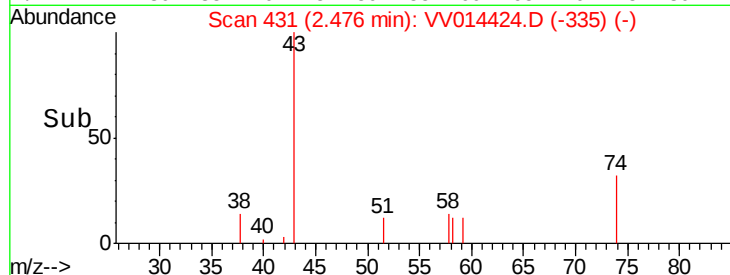
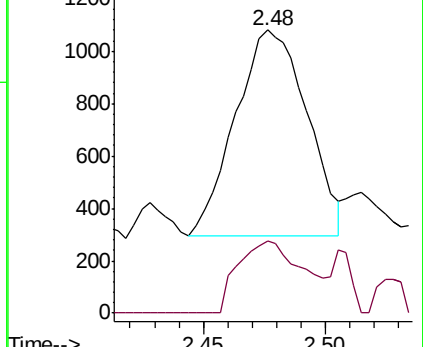
43 100

74 31.3 18.8 28.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 0.668 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV014424.D

Acq: 29 Jan 2020 14:52

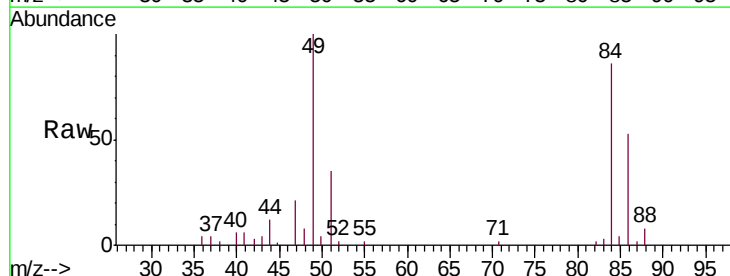
Tgt Ion: 84 Resp: 11136

Ion Ratio Lower Upper

84 100

86 61.3 45.6 84.6

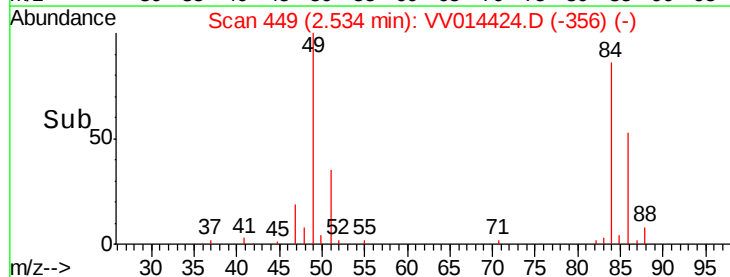
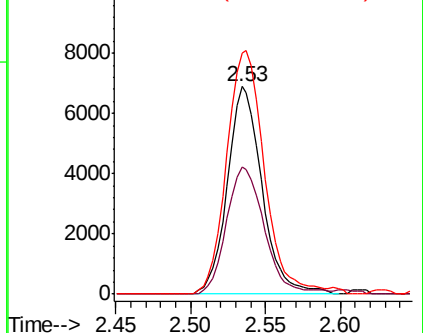
49 116.6 86.1 159.9

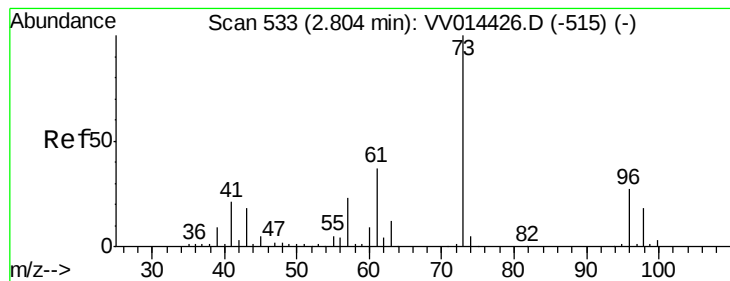


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#17

Methyl tert-butyl Ether

Concen: 0.419 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV014424.D

Acq: 29 Jan 2020 14:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

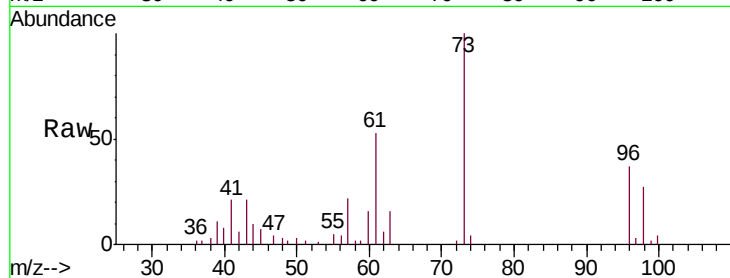
Tgt Ion: 73 Resp: 15343

Ion Ratio Lower Upper

73 100

43 19.1 14.2 21.2

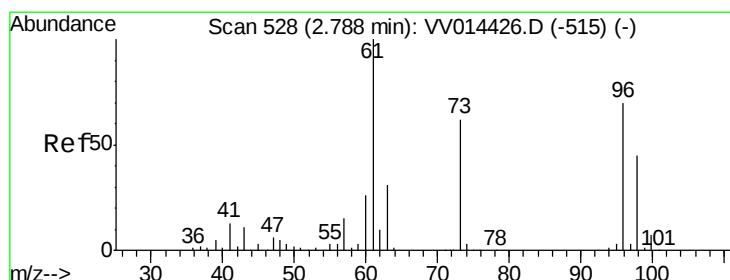
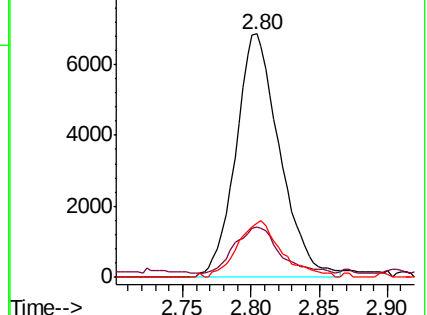
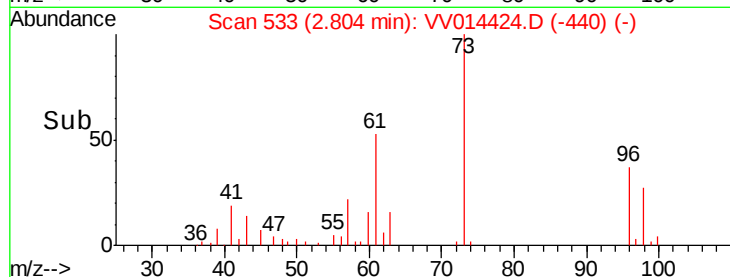
57 23.2 18.5 27.7



Abundance Ion 73.10 (72.80 to 73.80): VV014424.D (-440) (-)

Ion 43.05 (42.75 to 43.75): VV014424.D (-440) (-)

Ion 57.10 (56.80 to 57.80): VV014424.D (-440) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.489 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV014424.D

Acq: 29 Jan 2020 14:52

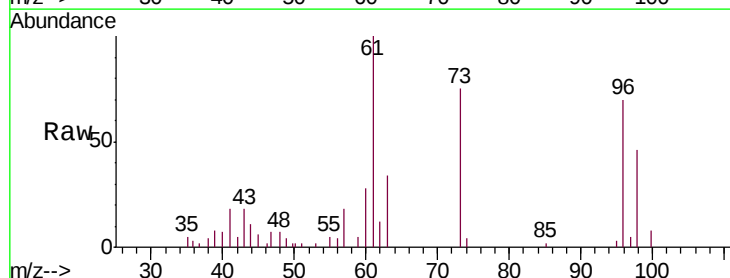
Tgt Ion: 96 Resp: 7520

Ion Ratio Lower Upper

96 100

61 142.7 99.9 185.5

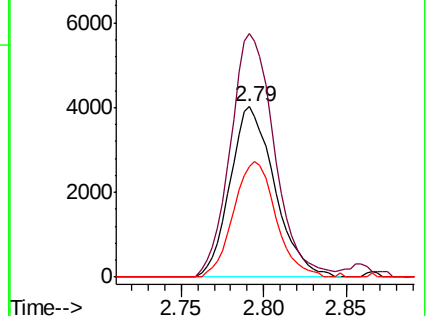
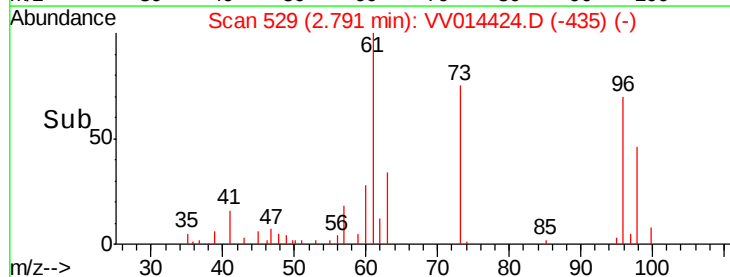
98 65.1 45.4 84.4

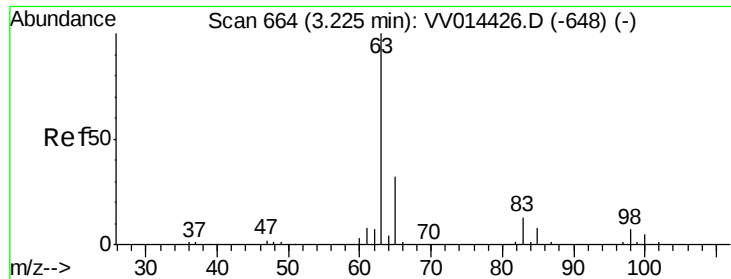


Abundance Ion 96.00 (95.70 to 96.70): VV014424.D (-435) (-)

Ion 61.05 (60.75 to 61.75): VV014424.D (-435) (-)

Ion 97.95 (97.65 to 98.65): VV014424.D (-435) (-)

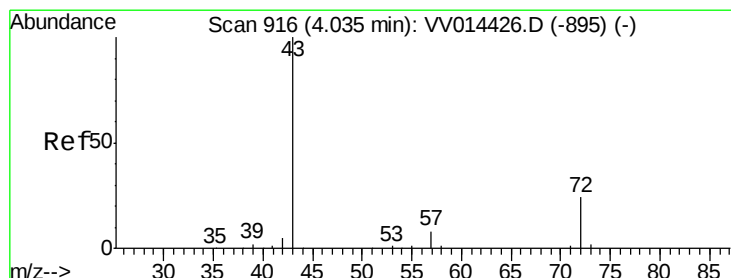
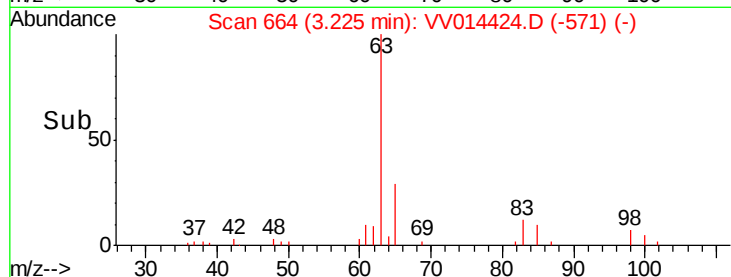
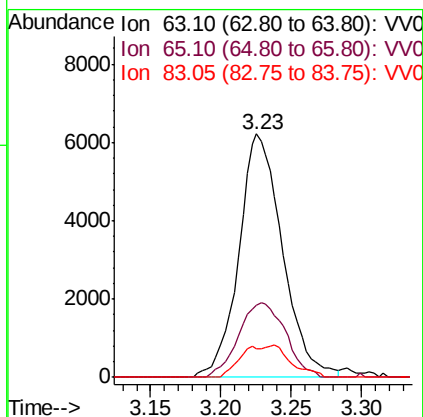
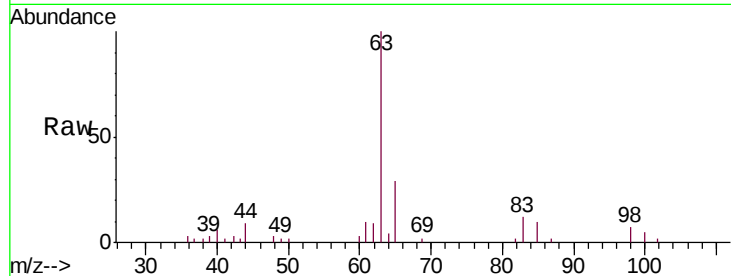




#19
 1,1-Dichloroethane
 Concen: 0.451 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV014424.D
 Acq: 29 Jan 2020 14:52

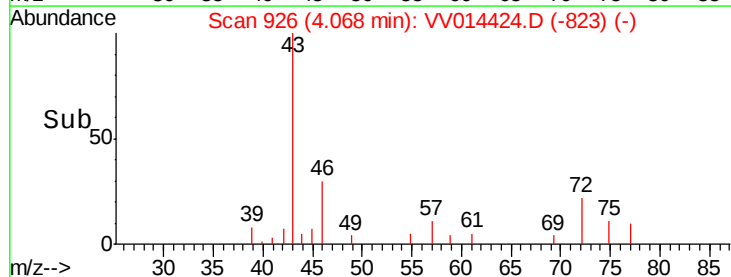
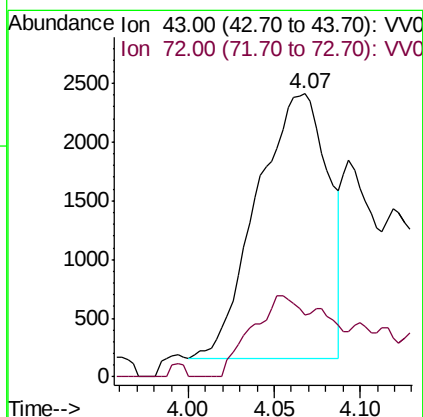
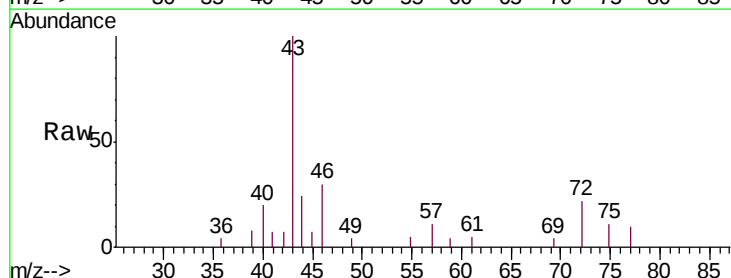
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

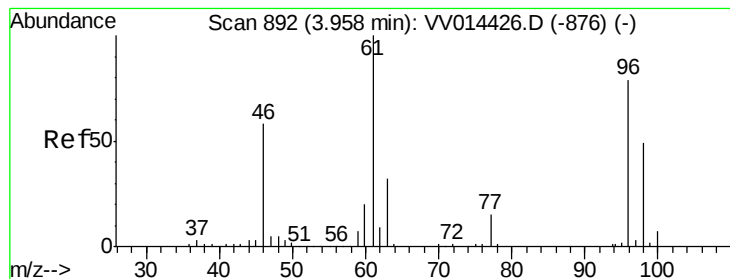
Tgt Ion: 63 Resp: 13445
 Ion Ratio Lower Upper
 63 100
 65 29.5 22.4 41.6
 83 12.0 9.2 17.2



#21
 2-Butanone
 Concen: 1.706 ug/L
 RT: 4.07 min Scan# 926
 Delta R.T. 0.03 min
 Lab File: VV014424.D
 Acq: 29 Jan 2020 14:52

Tgt Ion: 43 Resp: 6459
 Ion Ratio Lower Upper
 43 100
 72 21.3 9.2 27.6



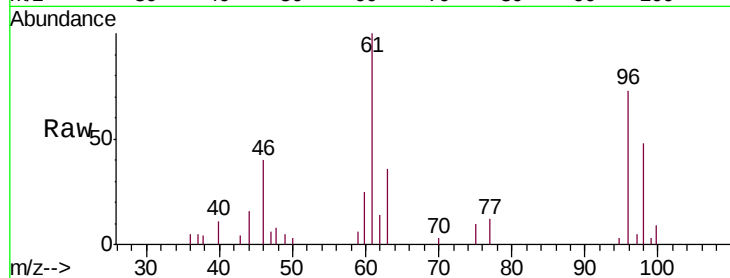


#22

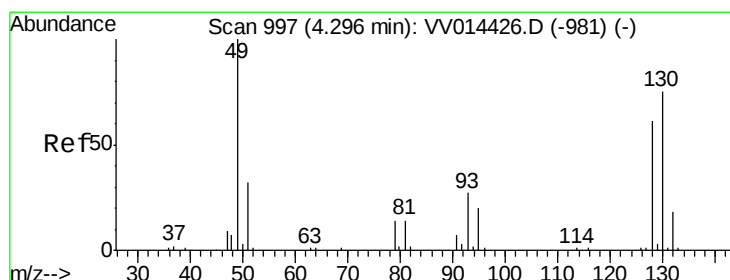
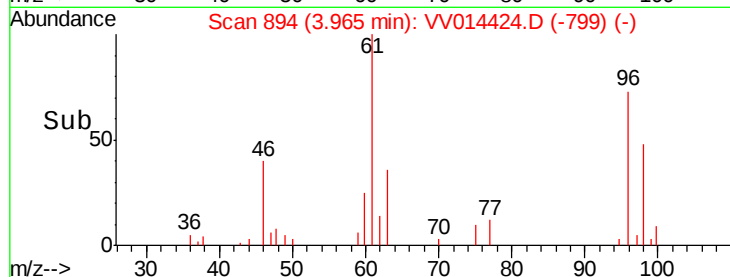
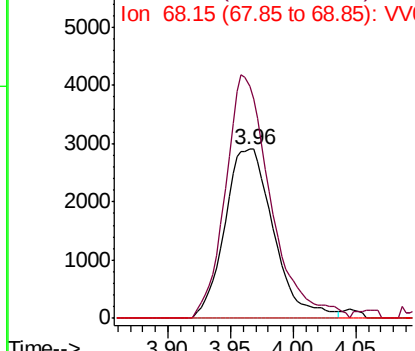
cis-1,2-Dichloroethene
 Concen: 0.465 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: VV014424.D
 Acq: 29 Jan 2020 14:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

Tgt Ion: 96 Resp: 7850
 Ion Ratio Lower Upper
 96 100
 61 137.4 88.5 164.4
 68 0.0 0.0 0.0



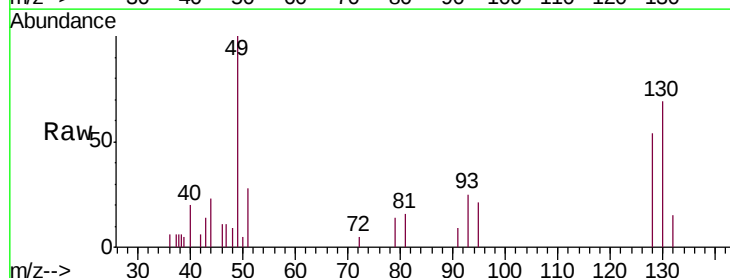
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



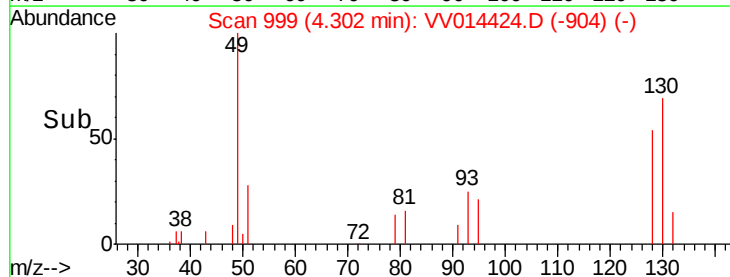
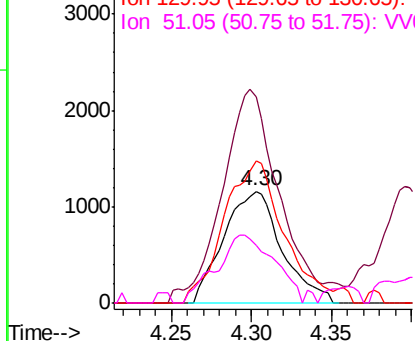
#23

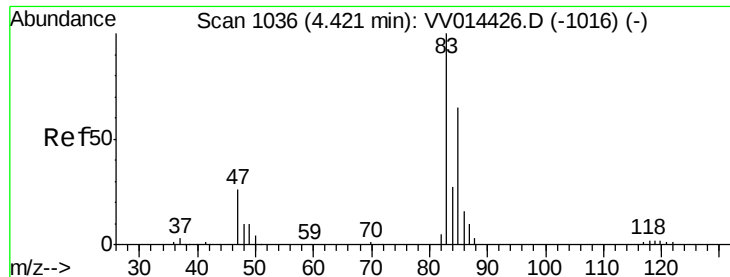
Bromochloromethane
 Concen: 0.454 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VV014424.D
 Acq: 29 Jan 2020 14:52

Tgt Ion: 128 Resp: 2888
 Ion Ratio Lower Upper
 128 100
 49 184.7 114.9 213.5
 130 127.7 85.7 159.1
 51 51.8 42.6 64.0



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

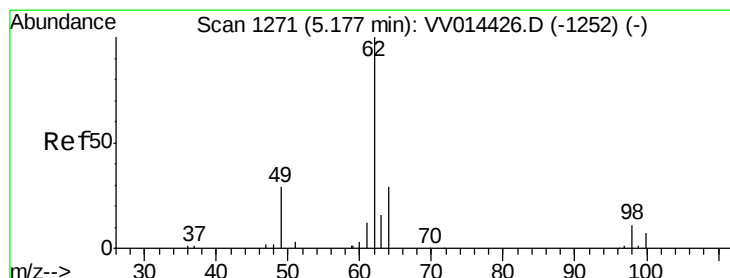
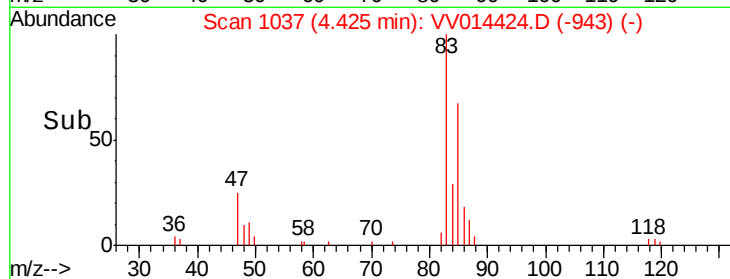
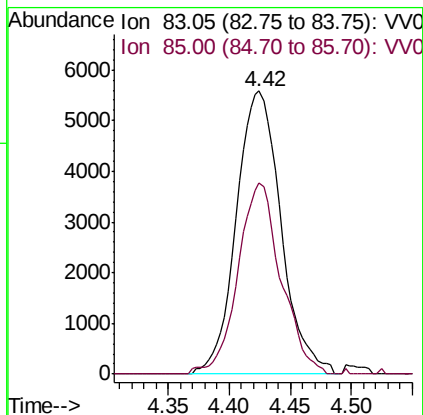
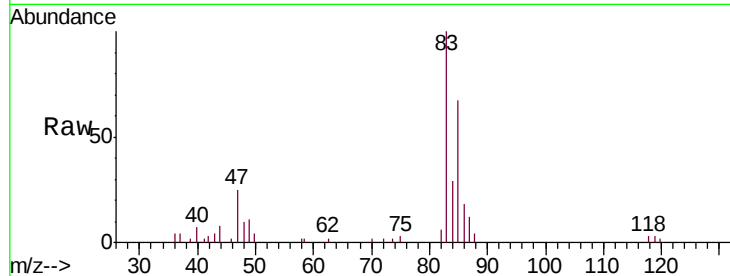




#25
Chloroform
Concen: 0.492 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014424.D
Acq: 29 Jan 2020 14:52

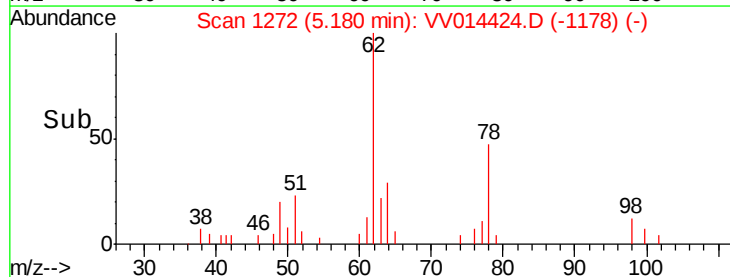
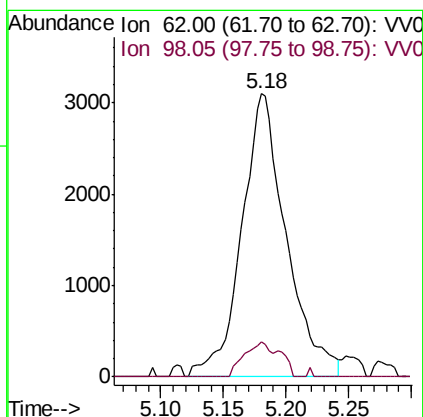
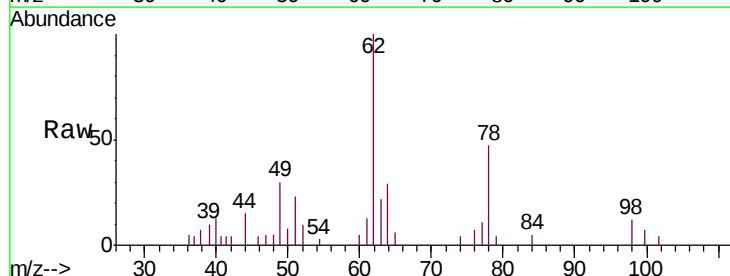
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

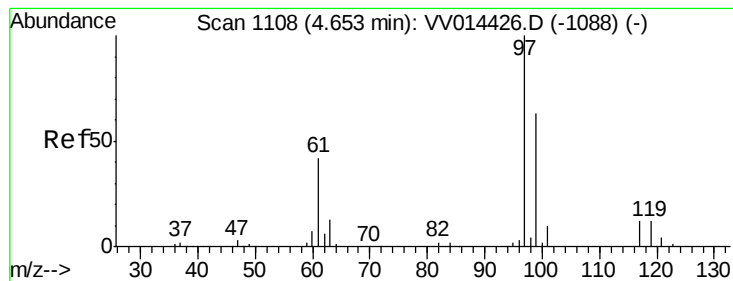
Tgt Ion: 83 Resp: 14181
Ion Ratio Lower Upper
83 100
85 67.4 45.9 85.3



#27
1,2-Dichloroethane
Concen: 0.455 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV014424.D
Acq: 29 Jan 2020 14:52

Tgt Ion: 62 Resp: 7676
Ion Ratio Lower Upper
62 100
98 12.4 8.5 12.7





#29

1,1,1-Trichloroethane

Concen: 0.471 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV014424.D

Acq: 29 Jan 2020 14:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

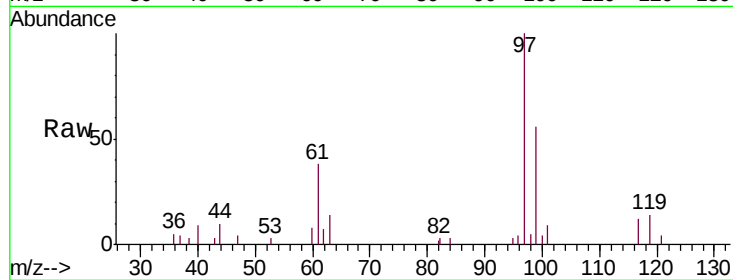
Tgt Ion: 97 Resp: 11660

Ion Ratio Lower Upper

97 100

99 61.8 51.1 76.7

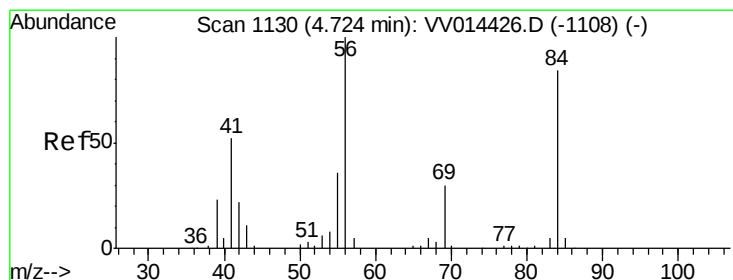
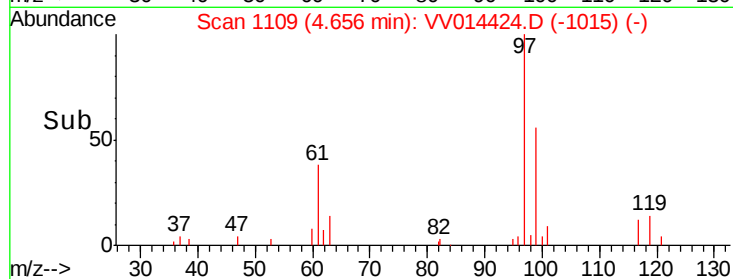
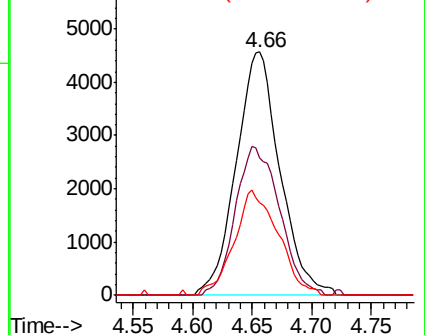
61 43.4 34.2 51.2



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 0.477 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. -0.01 min

Lab File: VV014424.D

Acq: 29 Jan 2020 14:52

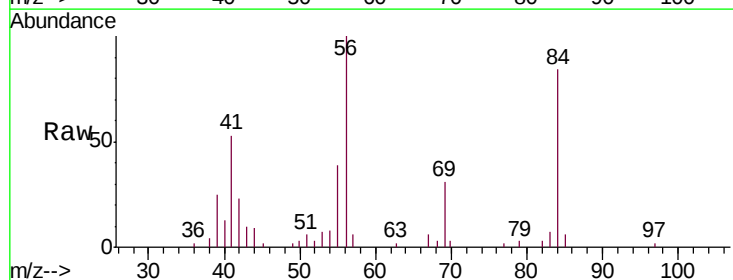
Tgt Ion: 56 Resp: 13043

Ion Ratio Lower Upper

56 100

69 32.3 24.1 36.1

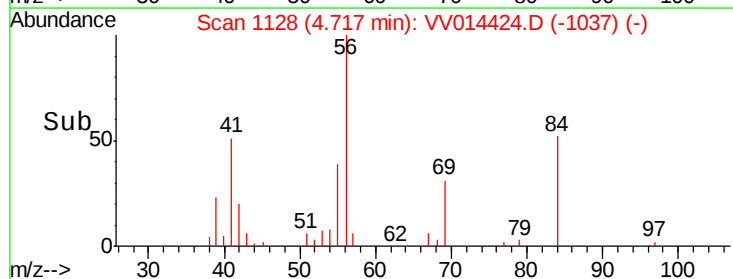
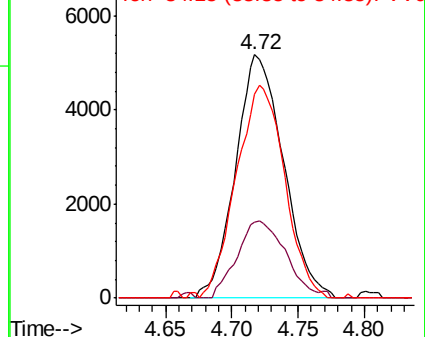
84 88.1 68.8 103.2

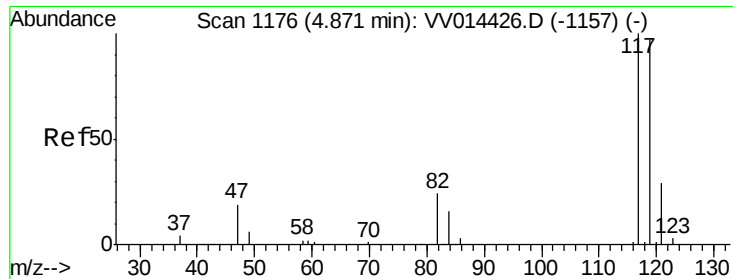


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 0.454 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV014424.D

Acq: 29 Jan 2020 14:52

Instrument :

MSVOA_V

ClientSampleId :

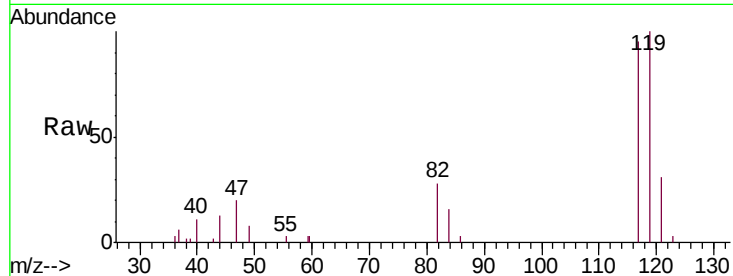
VSTD0.536

Tgt Ion:117 Resp: 9597

Ion Ratio Lower Upper

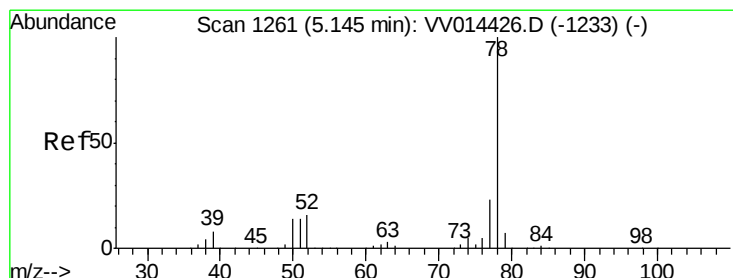
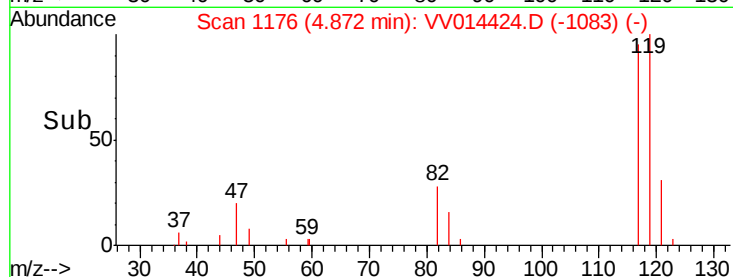
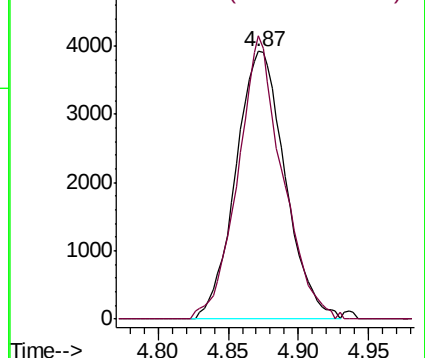
117 100

119 95.4 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.468 ug/L

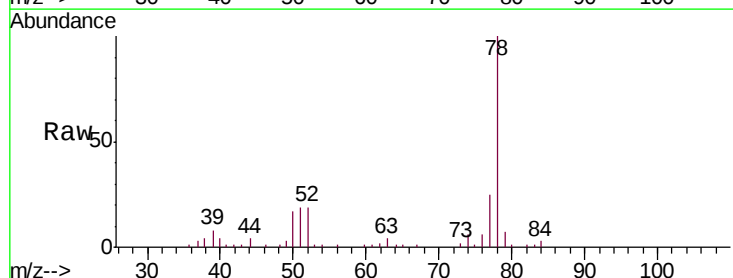
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

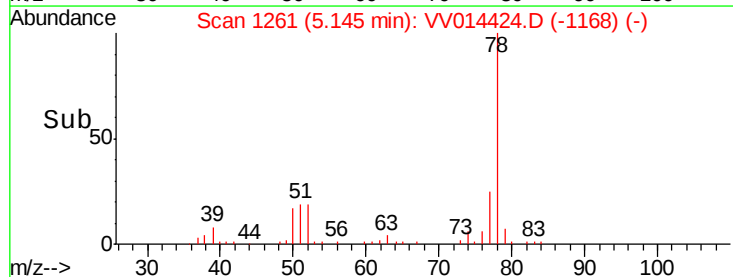
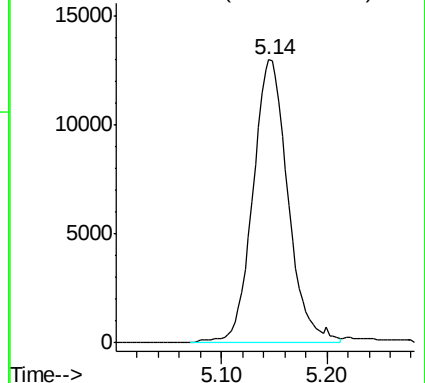
Lab File: VV014424.D

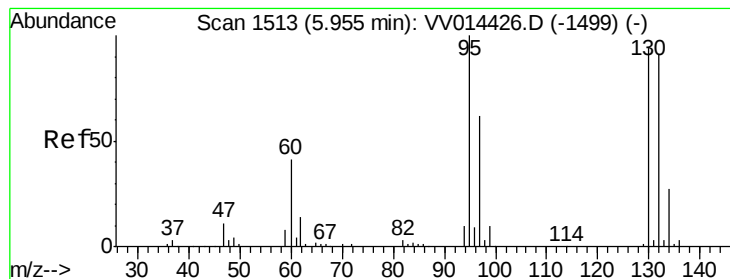
Acq: 29 Jan 2020 14:52

Tgt Ion: 78 Resp: 30185



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.486 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV014424.D

Acq: 29 Jan 2020 14:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

Tgt Ion: 95 Resp: 8064

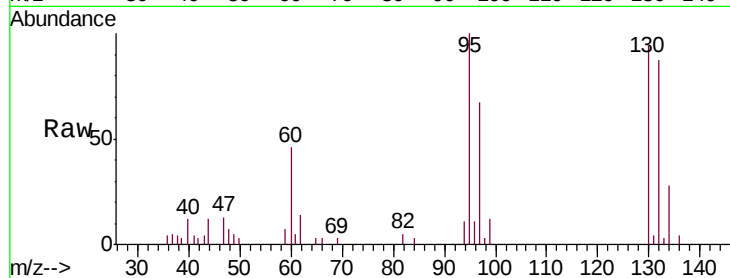
Ion Ratio Lower Upper

95 100

97 66.9 43.6 81.0

132 86.5 63.3 117.7

130 94.0 66.0 122.6

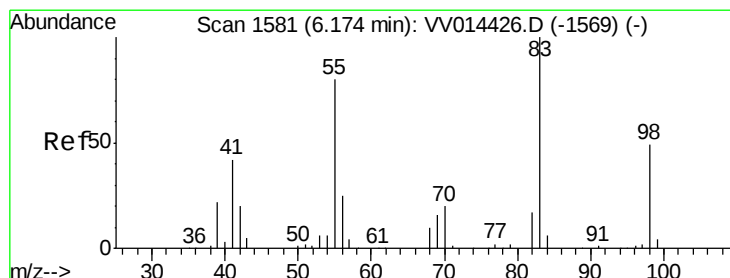
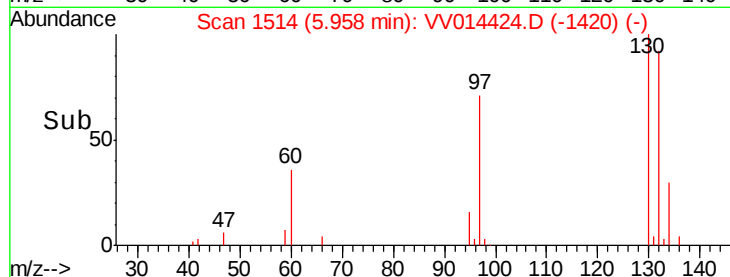
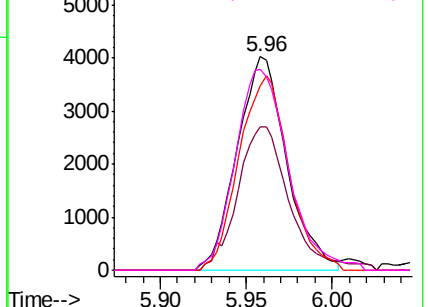


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.508 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV014424.D

Acq: 29 Jan 2020 14:52

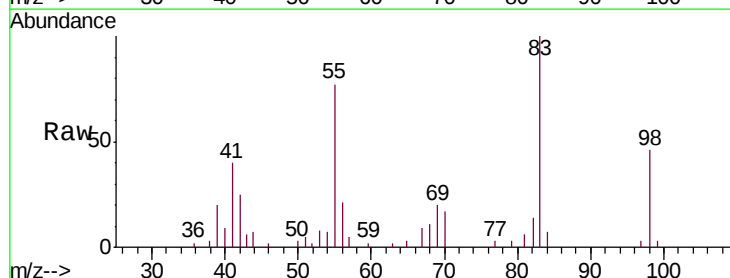
Tgt Ion: 83 Resp: 13789

Ion Ratio Lower Upper

83 100

55 79.1 61.3 91.9

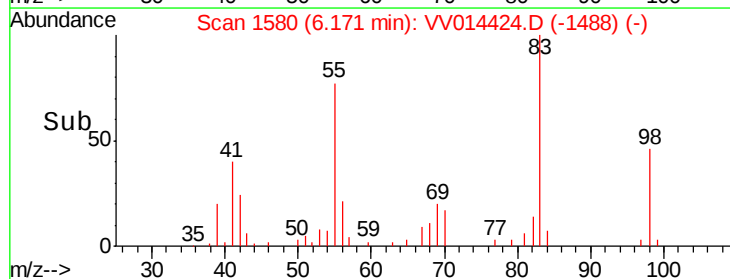
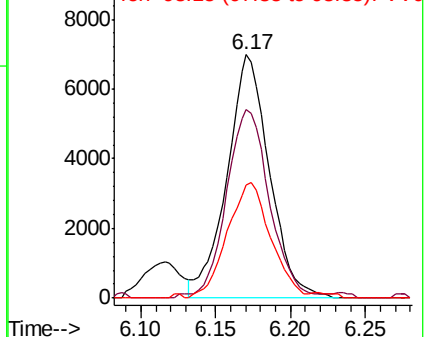
98 48.7 37.5 56.3

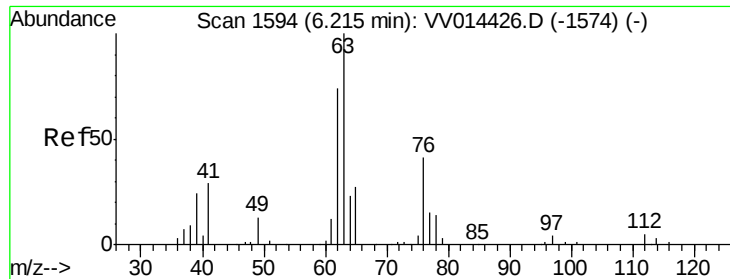


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

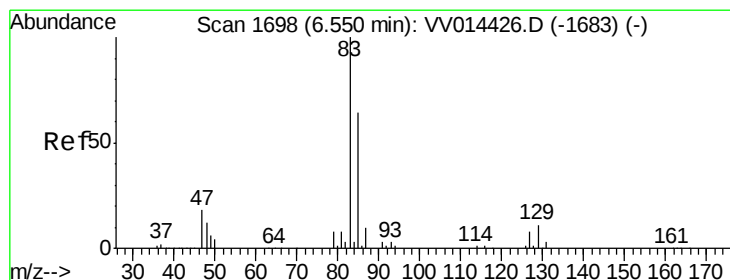
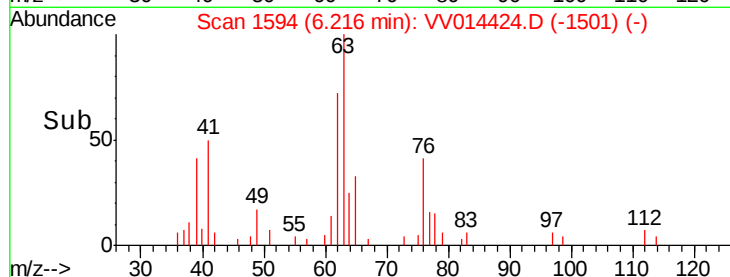
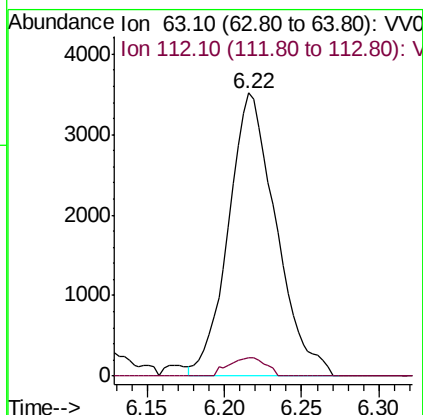
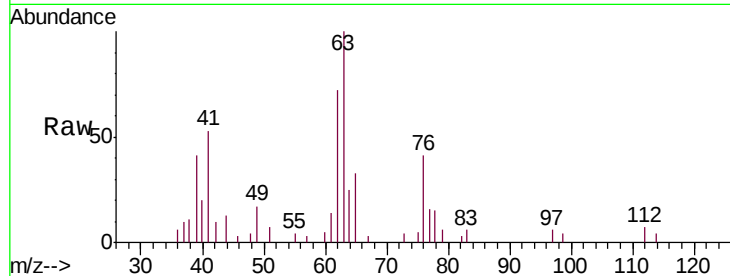




#37
 1,2-Dichloropropane
 Concen: 0.464 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV014424.D
 Acq: 29 Jan 2020 14:52

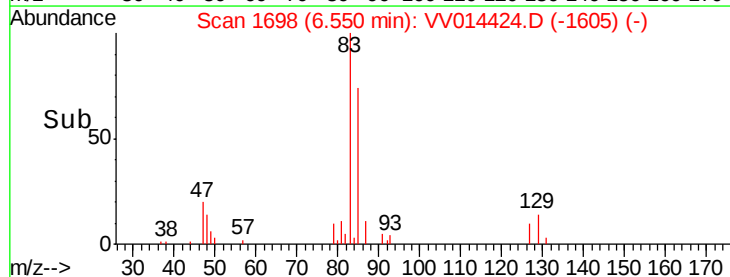
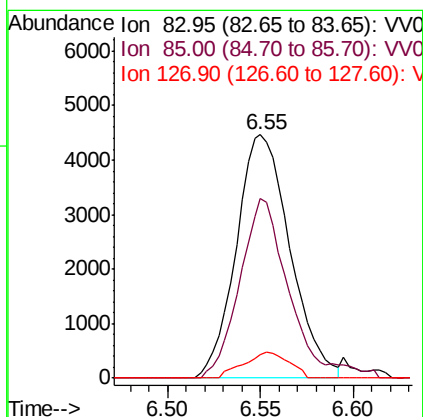
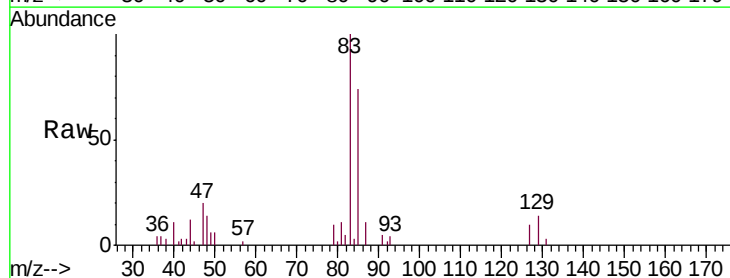
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

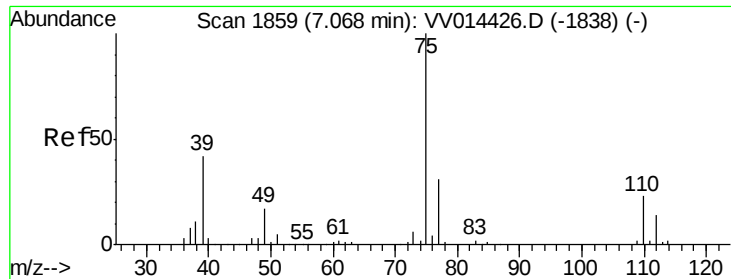
Tgt Ion: 63 Resp: 7504
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.5 5.3



#38
 Bromodichloromethane
 Concen: 0.436 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014424.D
 Acq: 29 Jan 2020 14:52

Tgt Ion: 83 Resp: 9017
 Ion Ratio Lower Upper
 83 100
 85 73.5 44.5 82.7
 127 9.8 6.6 10.0

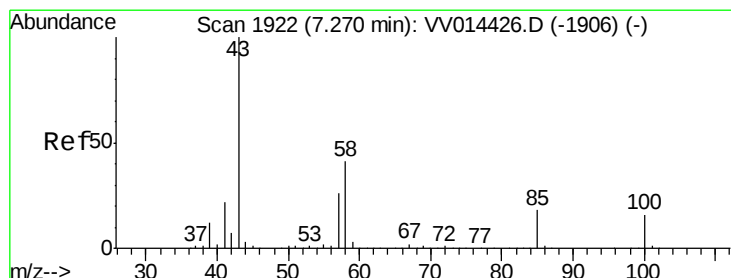
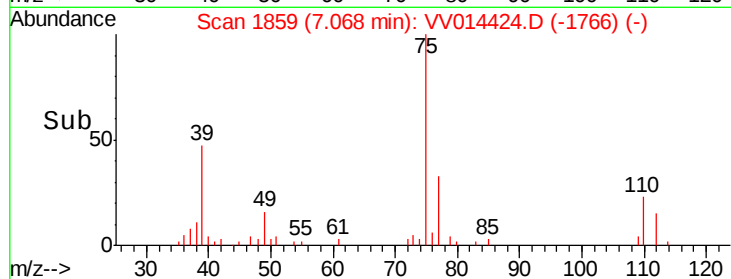
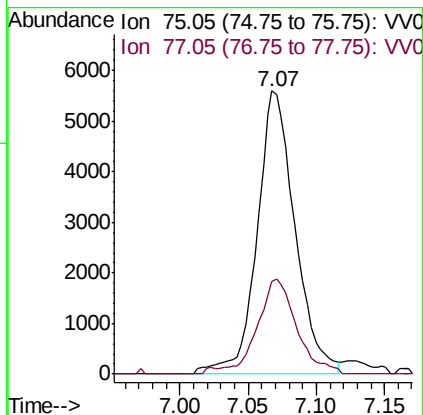
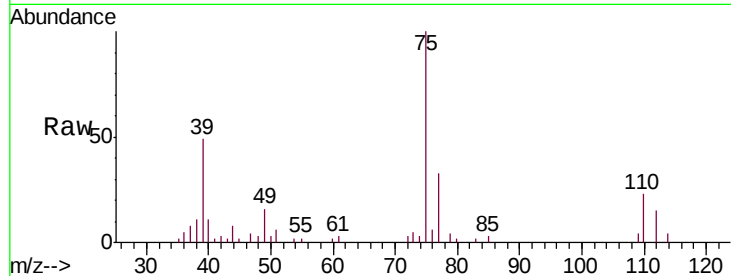




#39
 cis-1,3-Dichloropropene
 Concen: 0.419 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014424.D
 Acq: 29 Jan 2020 14:52

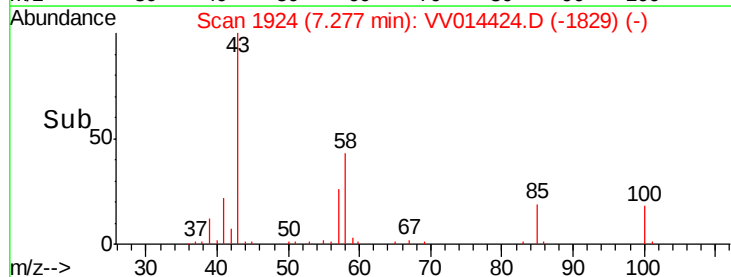
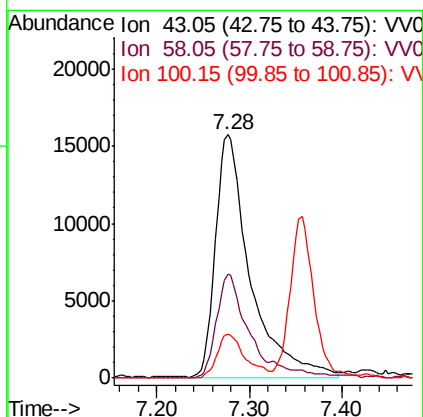
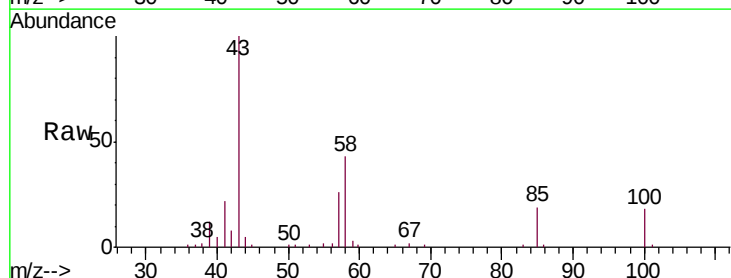
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

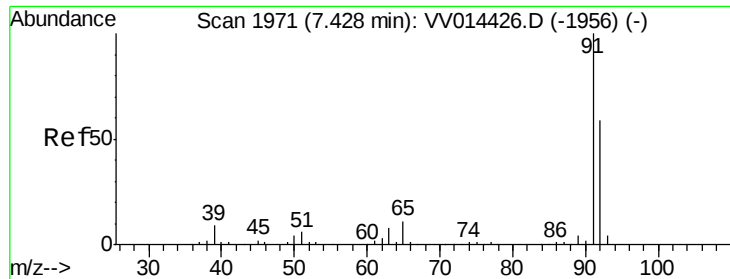
Tgt Ion: 75 Resp: 10825
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 4.144 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.01 min
 Lab File: VV014424.D
 Acq: 29 Jan 2020 14:52

Tgt Ion: 43 Resp: 41220
 Ion Ratio Lower Upper
 43 100
 58 40.3 33.1 49.7
 100 14.7 12.1 18.1





#42

Toluene

Concen: 0.477 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014424.D

Acq: 29 Jan 2020 14:52

Instrument :

MSVOA_V

ClientSampleId :

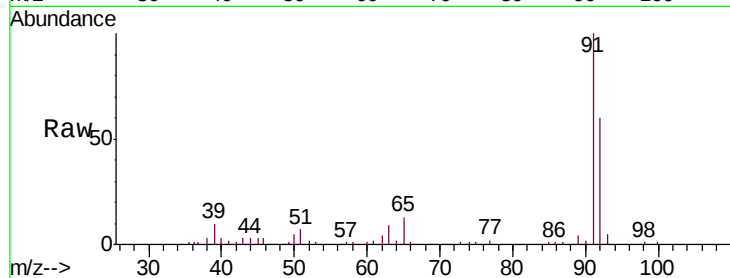
VSTD0.536

Tgt Ion: 91 Resp: 32487

Ion Ratio Lower Upper

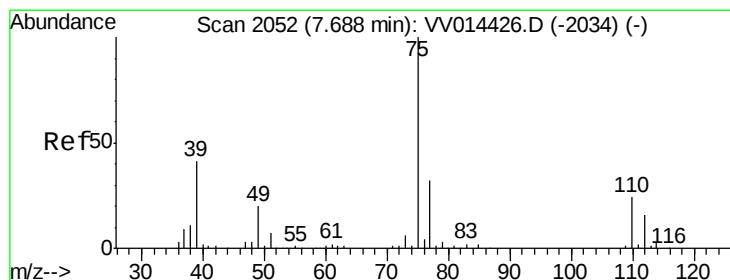
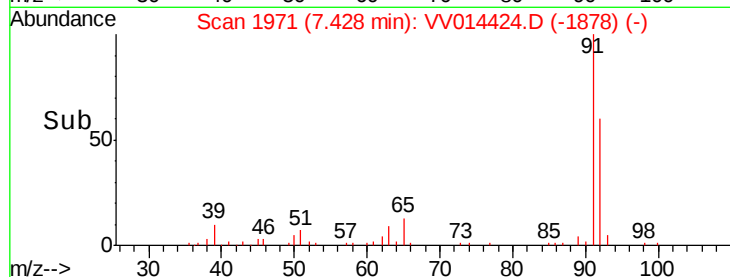
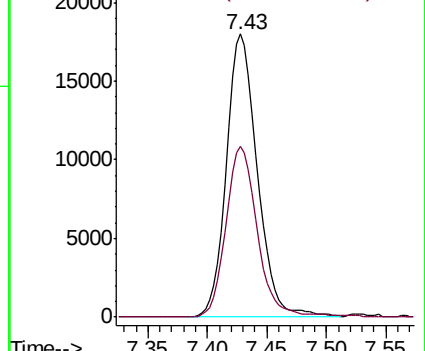
91 100

92 60.2 40.9 76.0



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: 0.420 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.01 min

Lab File: VV014424.D

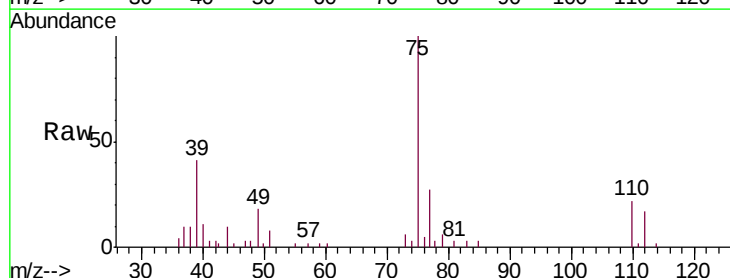
Acq: 29 Jan 2020 14:52

Tgt Ion: 75 Resp: 8254

Ion Ratio Lower Upper

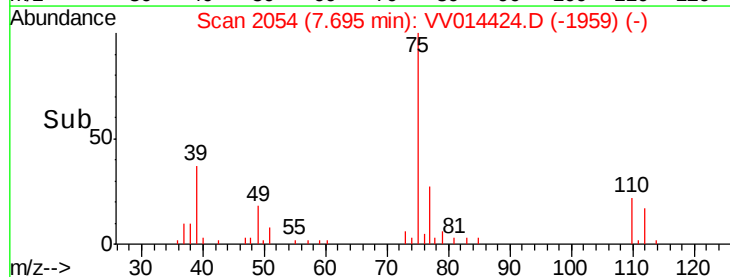
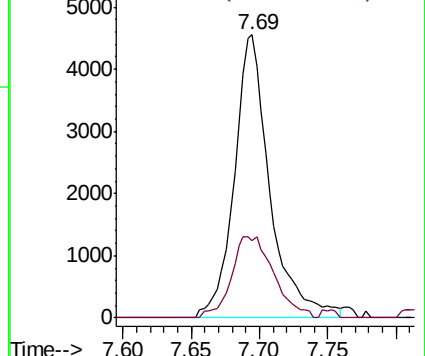
75 100

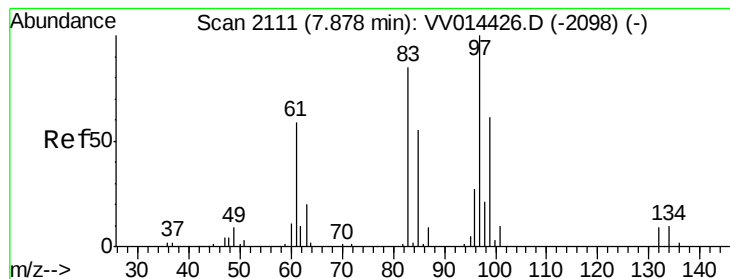
77 27.5 22.0 41.0



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: 0.495 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VV014424.D

Acq: 29 Jan 2020 14:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

Tgt Ion: 97 Resp: 5141

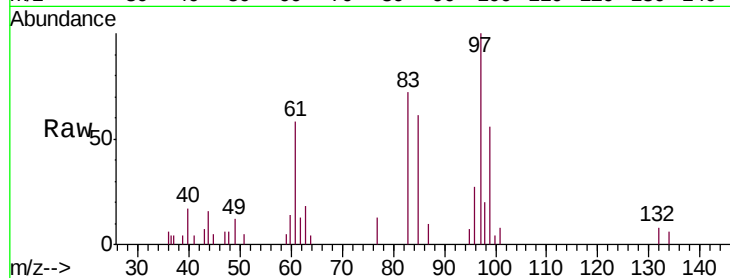
Ion Ratio Lower Upper

97 100

99 56.4 42.5 78.9

83 71.9 59.8 111.0

85 60.6 38.4 71.4

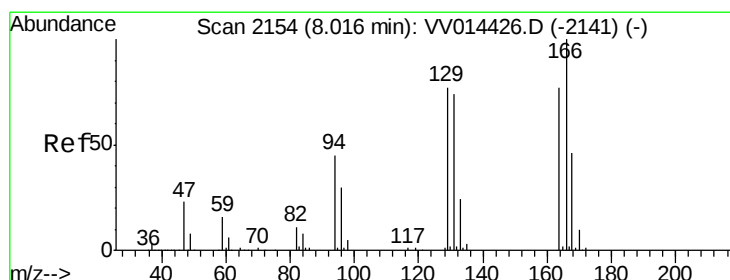
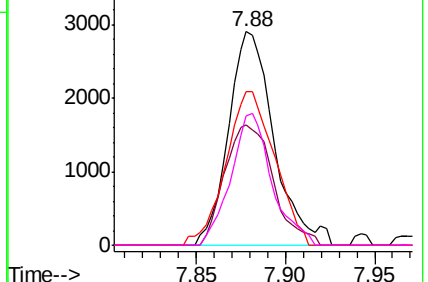
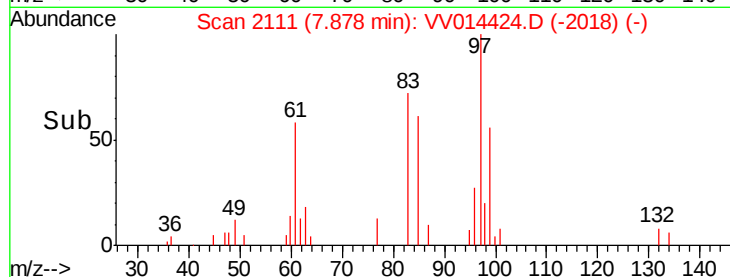


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 0.547 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VV014424.D

Acq: 29 Jan 2020 14:52

Tgt Ion: 164 Resp: 6245

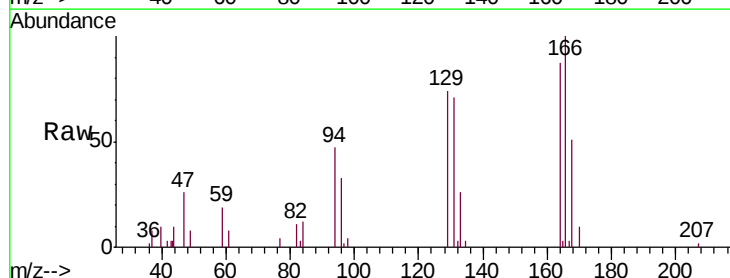
Ion Ratio Lower Upper

164 100

129 84.6 69.9 129.7

131 81.0 67.5 125.3

166 114.7 90.6 168.3

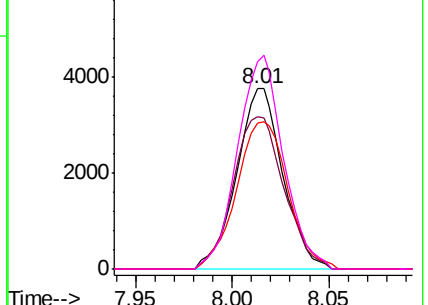
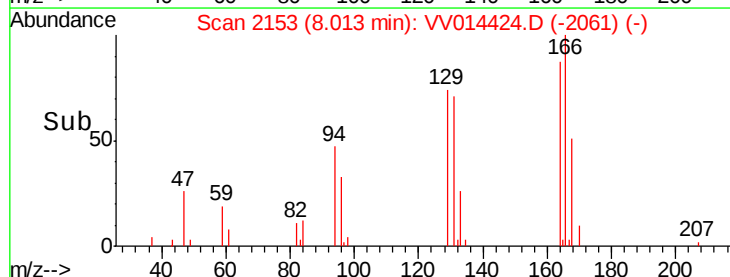


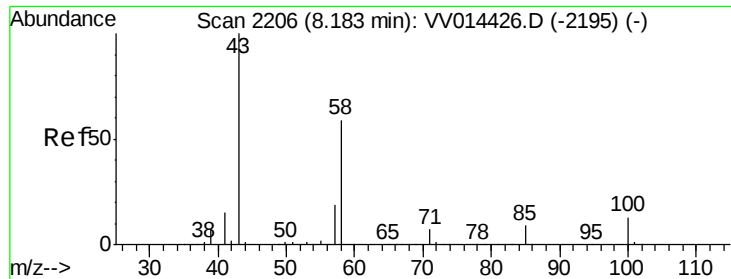
Abundance Ion 163.90 (163.60 to 164.60): V

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

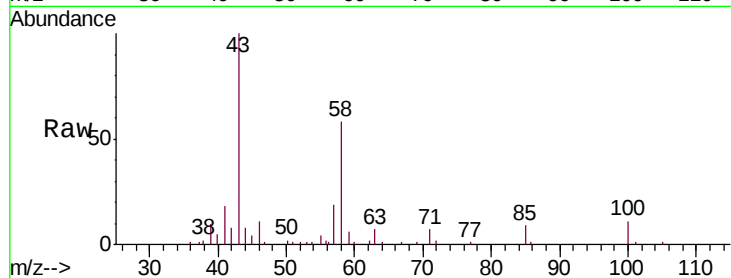




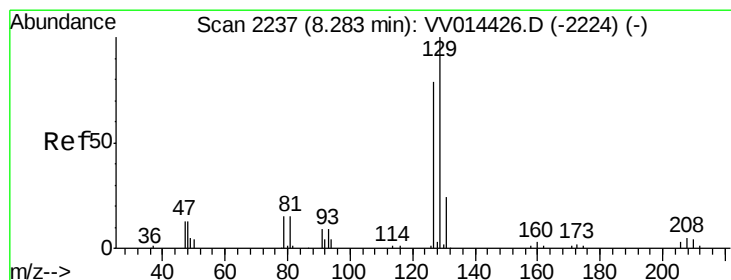
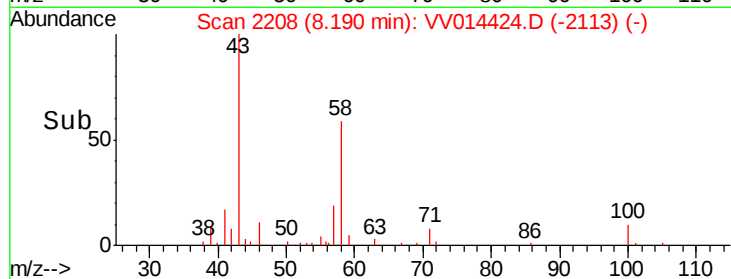
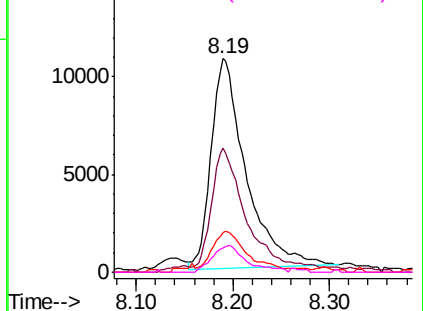
#48
2-Hexanone
Concen: 3.939 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.01 min
Lab File: VV014424.D
Acq: 29 Jan 2020 14:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

Tgt Ion:	43	Resp:	27067
Ion	Ratio	Lower	Upper
43	100		
58	55.6	45.8	68.6
57	20.1	15.4	23.0
100	12.5	9.8	14.8

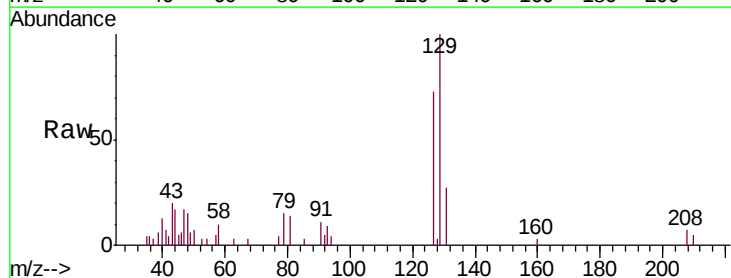


Abundance Ion 43.05 (42.75 to 43.75): VV014424.D (-2195) (-)
Ion 58.05 (57.75 to 58.75): VV014424.D (-2195) (-)
Ion 57.20 (56.90 to 57.90): VV014424.D (-2195) (-)
Ion 100.15 (99.85 to 100.85): VV014424.D (-2195) (-)

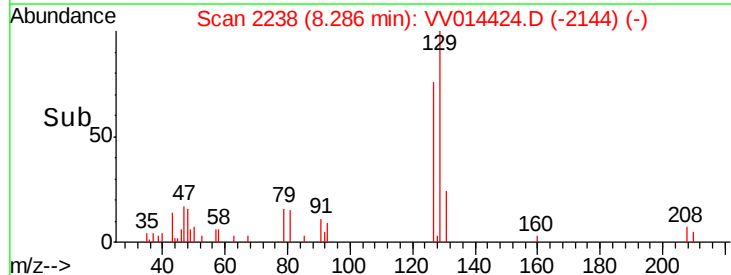
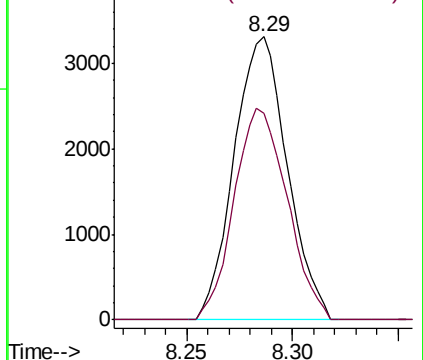


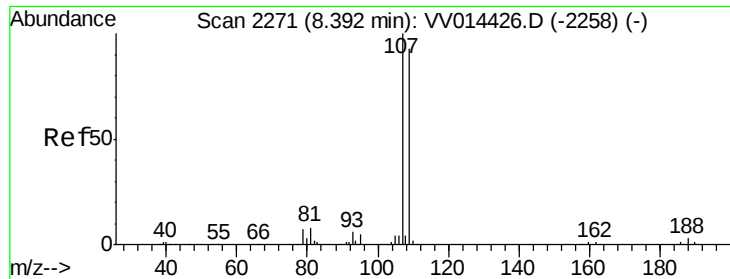
#49
Dibromochloromethane
Concen: 0.447 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014424.D
Acq: 29 Jan 2020 14:52

Tgt Ion:	129	Resp:	5799
Ion	Ratio	Lower	Upper
129	100		
127	73.2	54.9	102.1



Abundance Ion 128.95 (128.65 to 129.65): VV014424.D (-2144) (-)
Ion 126.90 (126.60 to 127.60): VV014424.D (-2144) (-)

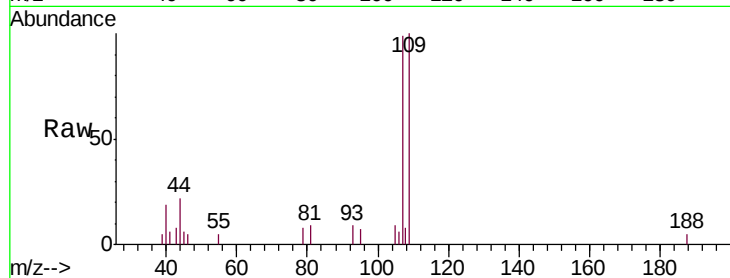




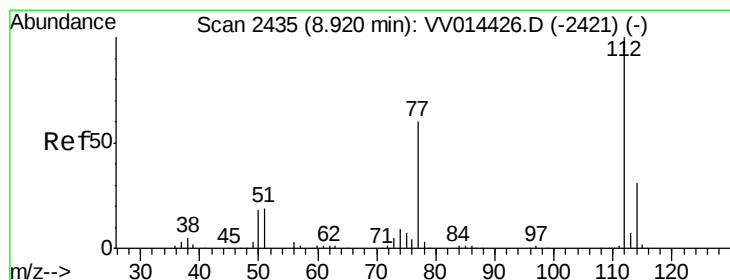
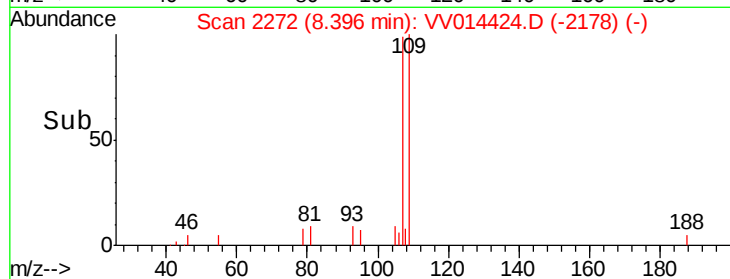
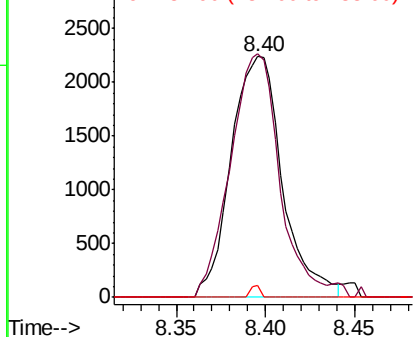
#50
1,2-Dibromoethane
Concen: 0.450 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV014424.D
Acq: 29 Jan 2020 14:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

Tgt Ion:107 Resp: 4484
Ion Ratio Lower Upper
107 100
109 101.3 65.0 120.6
188 4.9 2.7 4.1#

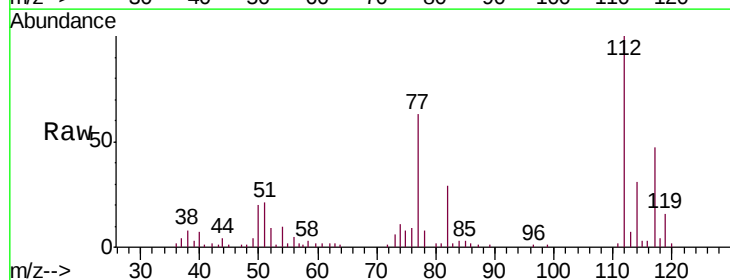


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

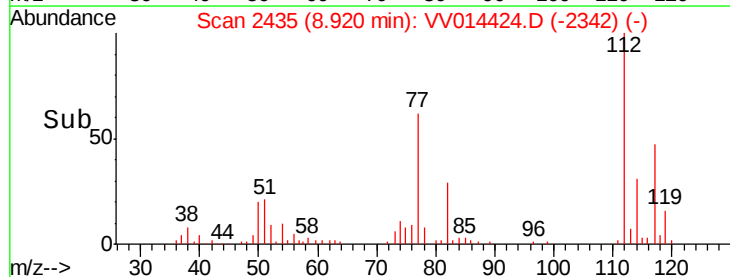
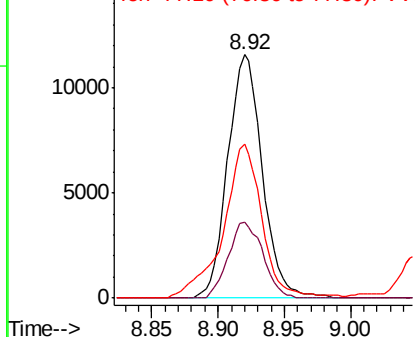


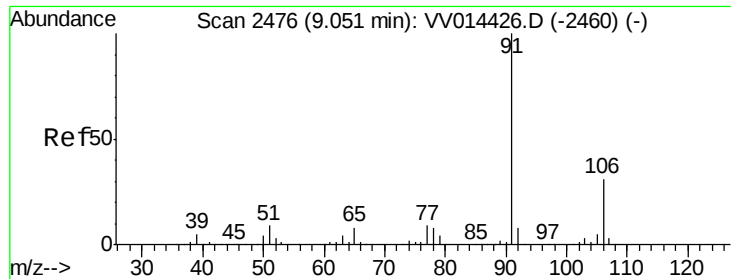
#51
Chlorobenzene
Concen: 0.501 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014424.D
Acq: 29 Jan 2020 14:52

Tgt Ion:112 Resp: 21003
Ion Ratio Lower Upper
112 100
114 31.4 21.8 40.6
77 63.1 48.5 72.7



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: 0.478 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014424.D

Acq: 29 Jan 2020 14:52

Instrument :

MSVOA_V

ClientSampleId :

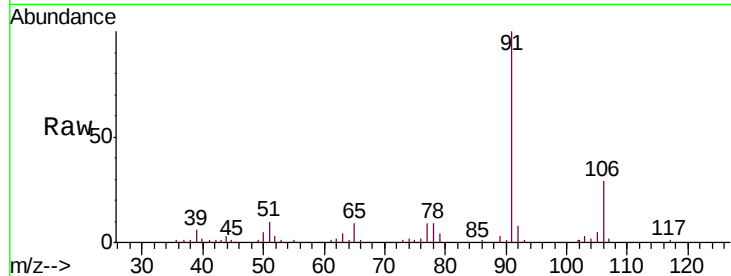
VSTD0.536

Tgt Ion: 91 Resp: 36338

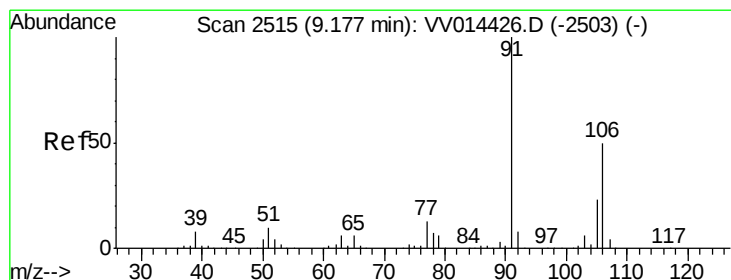
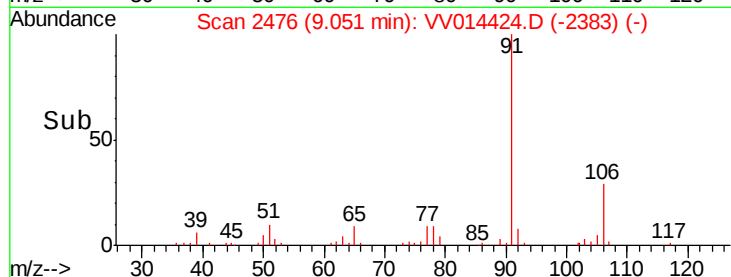
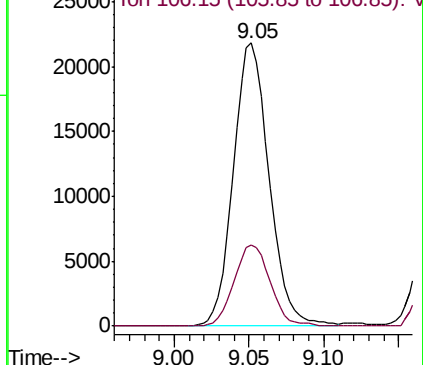
Ion Ratio Lower Upper

91 100

106 28.7 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VV014424.D (-2460) (-)



#53

m,p-xylene

Concen: 0.472 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014424.D

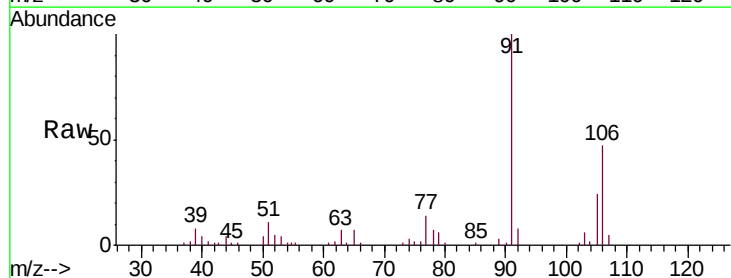
Acq: 29 Jan 2020 14:52

Tgt Ion: 106 Resp: 13316

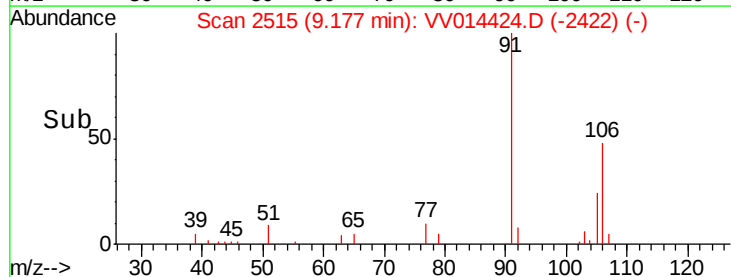
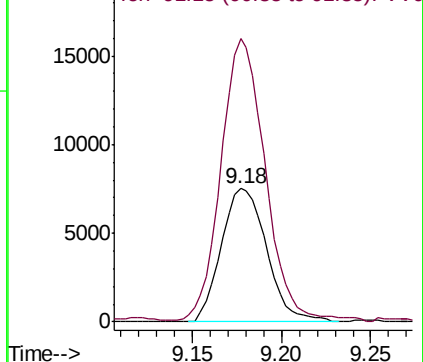
Ion Ratio Lower Upper

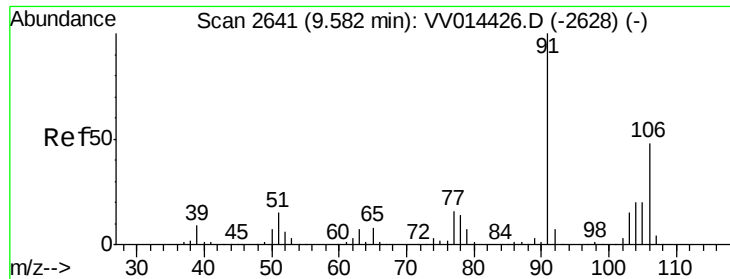
106 100

91 212.7 139.9 259.9



Abundance Ion 106.15 (105.85 to 106.85): VV014424.D (-2503) (-)

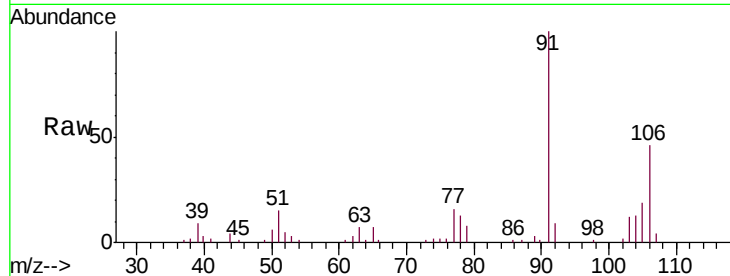




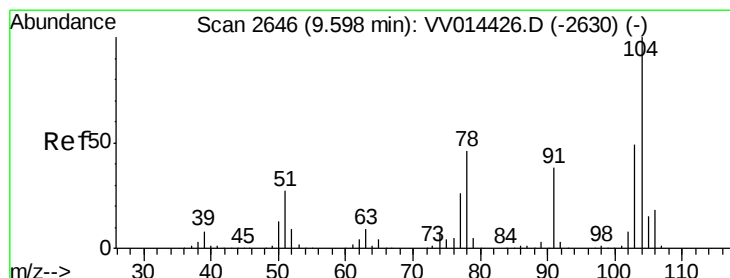
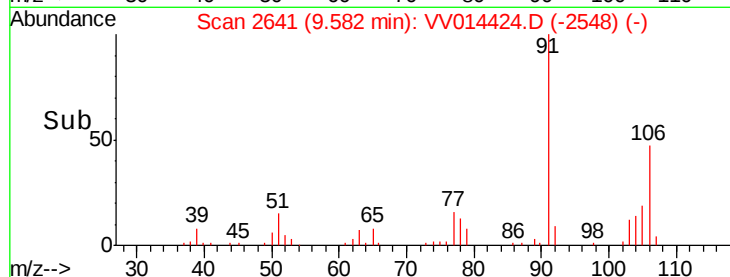
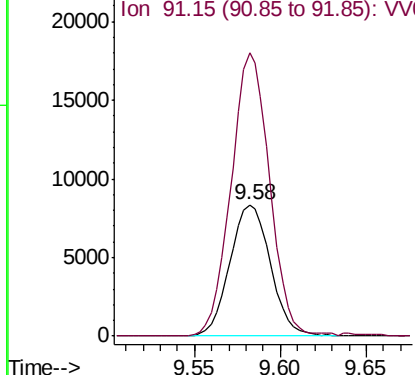
#54
o-xylene
Concen: 0.493 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014424.D
Acq: 29 Jan 2020 14:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

Tgt Ion:106 Resp: 13662
Ion Ratio Lower Upper
106 100
91 215.2 145.9 271.1

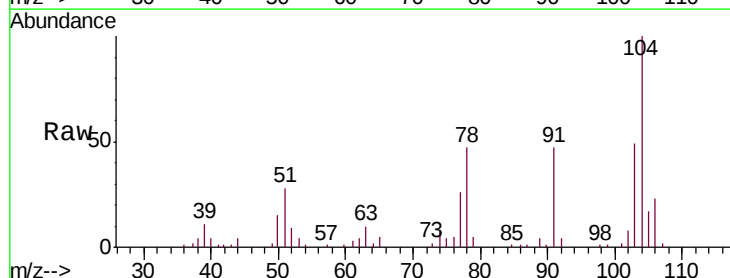


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

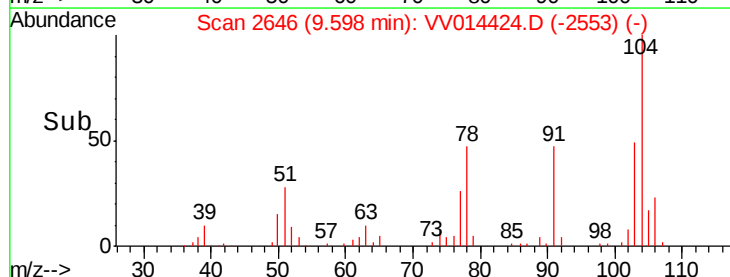
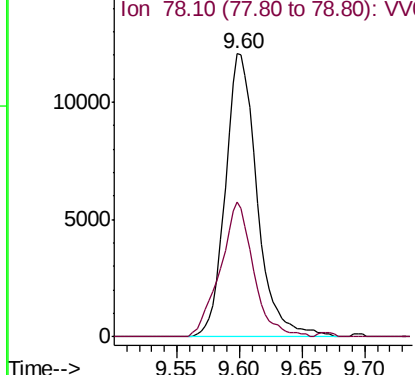


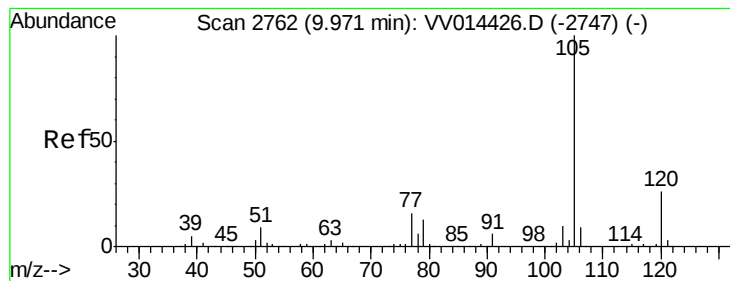
#55
Styrene
Concen: 0.455 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV014424.D
Acq: 29 Jan 2020 14:52

Tgt Ion:104 Resp: 21201
Ion Ratio Lower Upper
104 100
78 47.5 32.3 60.1



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





#56

Isopropylbenzene

Concen: 0.481 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV014424.D

Acq: 29 Jan 2020 14:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

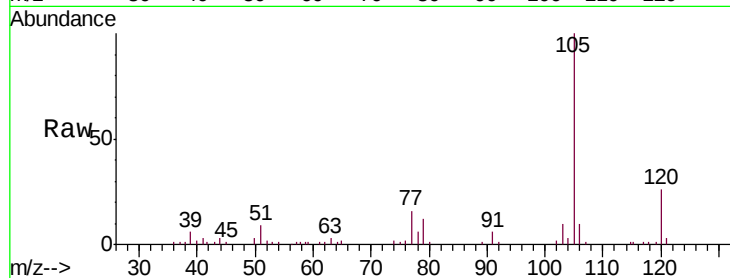
Tgt Ion: 105 Resp: 34652

Ion Ratio Lower Upper

105 100

120 25.7 21.3 31.9

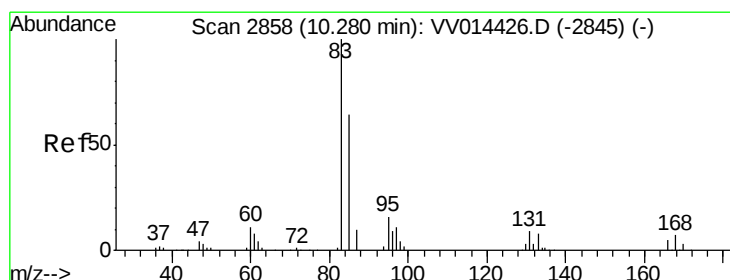
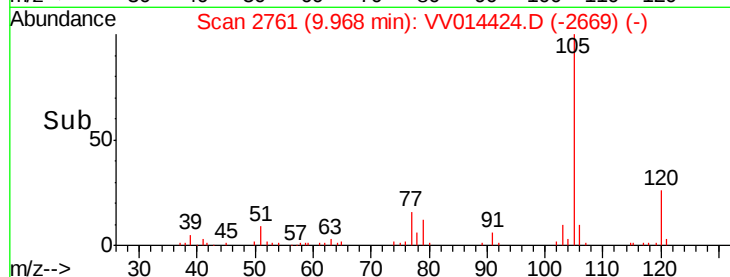
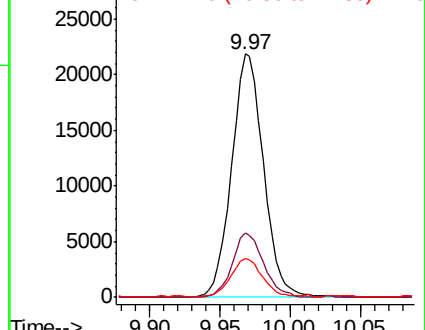
77 16.2 12.8 19.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.445 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV014424.D

Acq: 29 Jan 2020 14:52

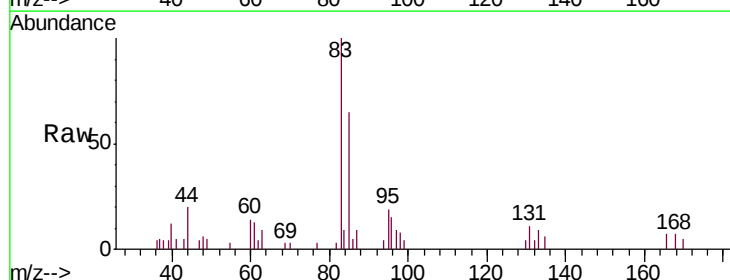
Tgt Ion: 83 Resp: 5623

Ion Ratio Lower Upper

83 100

85 65.5 45.3 84.1

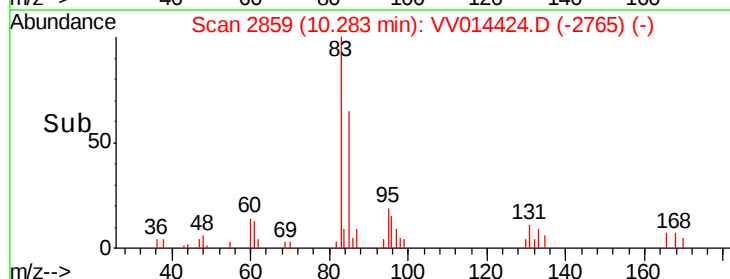
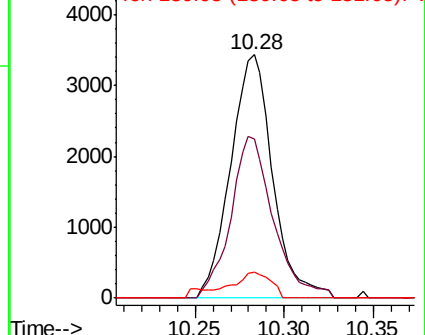
131 10.6 7.9 11.9

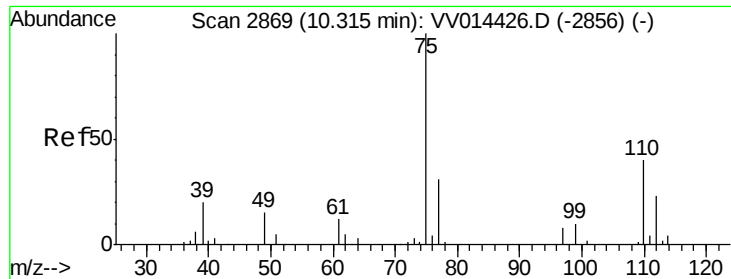


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.442 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014424.D

Acq: 29 Jan 2020 14:52

Instrument :

MSVOA_V

ClientSampleId :

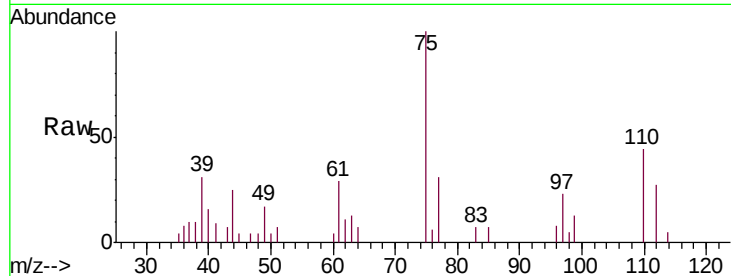
VSTD0.536

Tgt Ion: 75 Resp: 4216

Ion Ratio Lower Upper

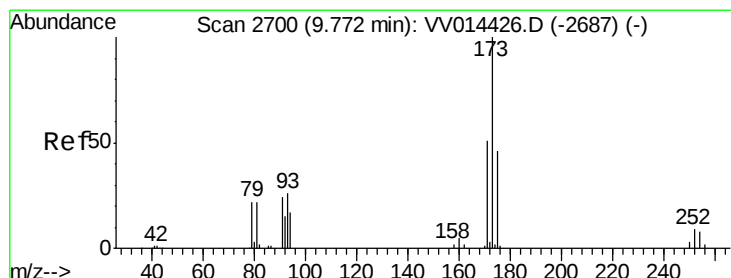
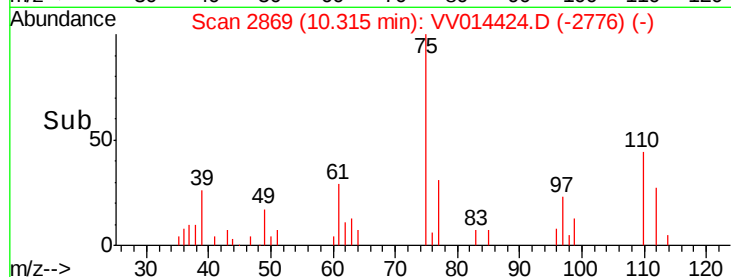
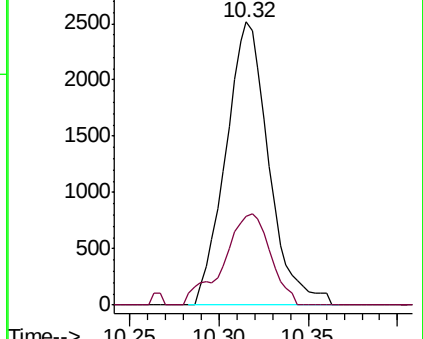
75 100

77 35.0 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV014426.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV014426.D (-2856) (-)



#61

Bromoform

Concen: 0.413 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014424.D

Acq: 29 Jan 2020 14:52

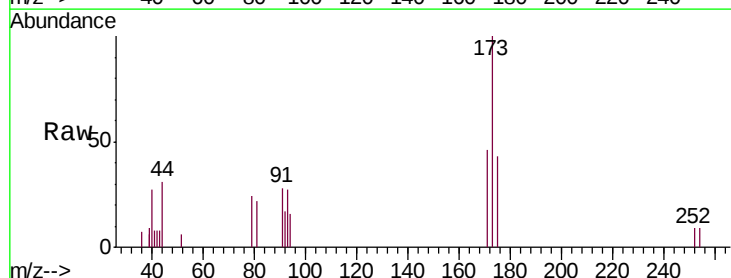
Tgt Ion: 173 Resp: 2718

Ion Ratio Lower Upper

173 100

175 45.0 38.9 58.3

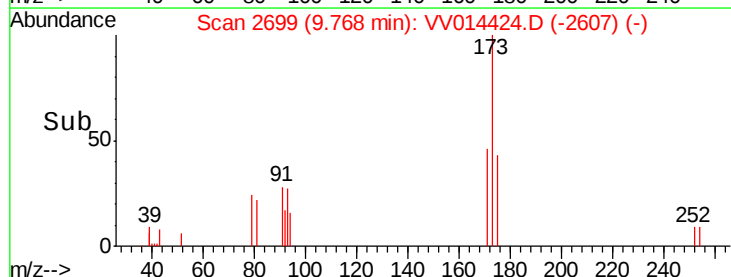
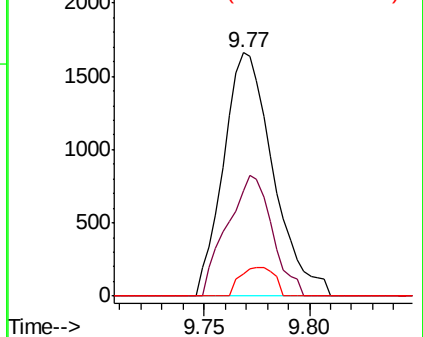
254 8.1 7.0 10.4

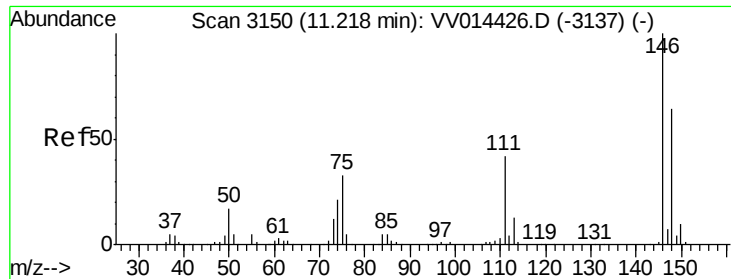


Abundance Ion 172.90 (172.60 to 173.60): VV014426.D (-2687) (-)

Ion 174.90 (174.60 to 175.60): VV014426.D (-2687) (-)

Ion 253.75 (253.45 to 254.45): VV014426.D (-2687) (-)

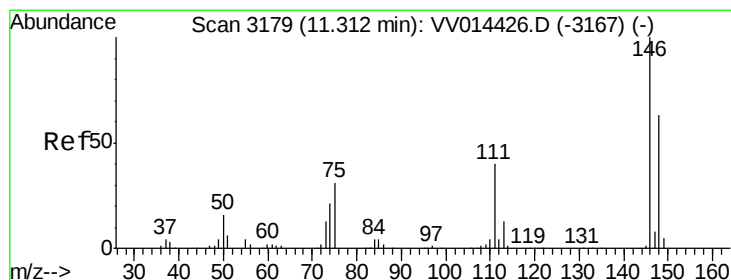
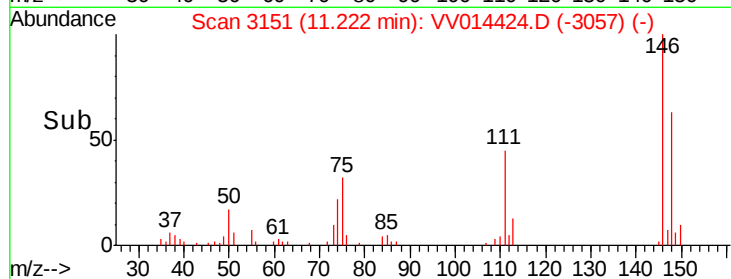
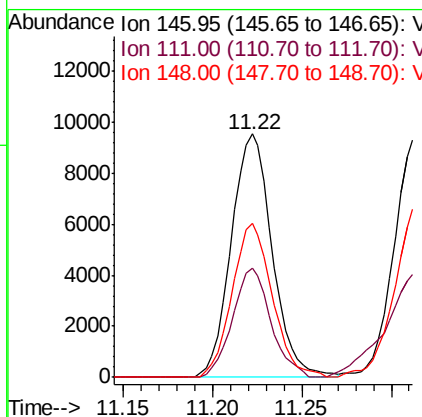
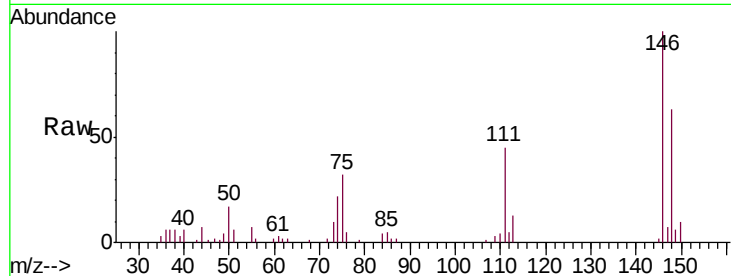




#62
 1,3-Dichlorobenzene
 Concen: 0.490 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014424.D
 Acq: 29 Jan 2020 14:52

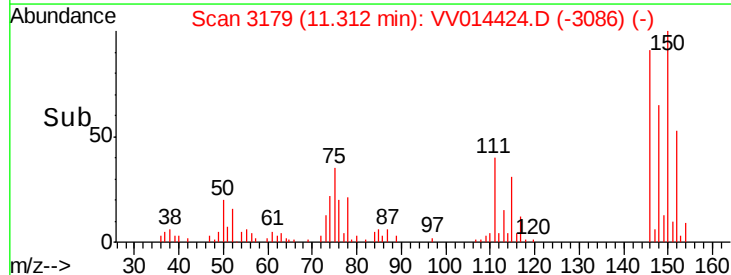
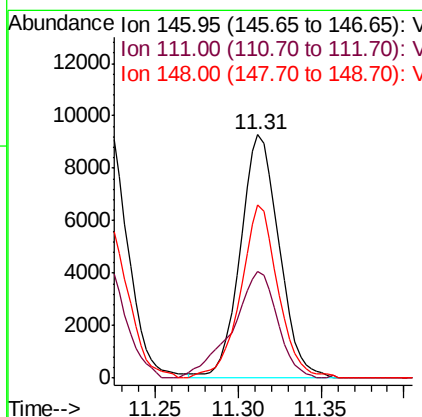
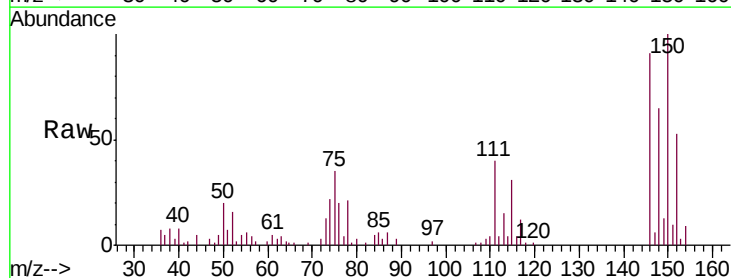
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

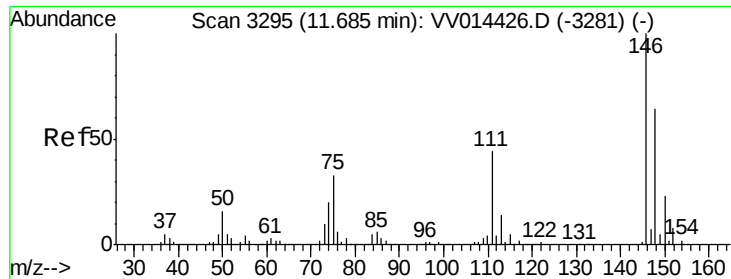
Tgt Ion:146 Resp: 15280
 Ion Ratio Lower Upper
 146 100
 111 44.6 29.5 54.7
 148 63.2 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 0.488 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014424.D
 Acq: 29 Jan 2020 14:52

Tgt Ion:146 Resp: 15131
 Ion Ratio Lower Upper
 146 100
 111 43.7 27.9 51.7
 148 70.9 44.3 82.3





#65

1,2-Dichlorobenzene

Concen: 0.497 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV014424.D

Acq: 29 Jan 2020 14:52

Instrument :

MSVOA_V

ClientSampled :

VSTD0.536

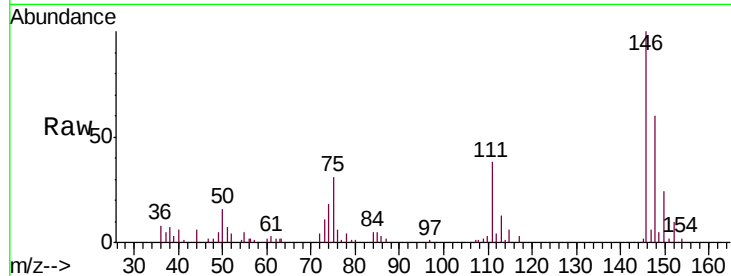
Tgt Ion:146 Resp: 14030

Ion Ratio Lower Upper

146 100

111 37.9 35.0 52.6

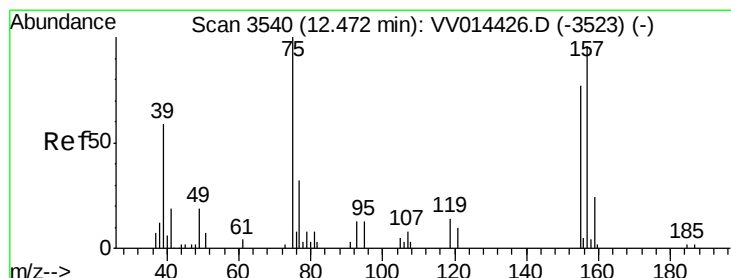
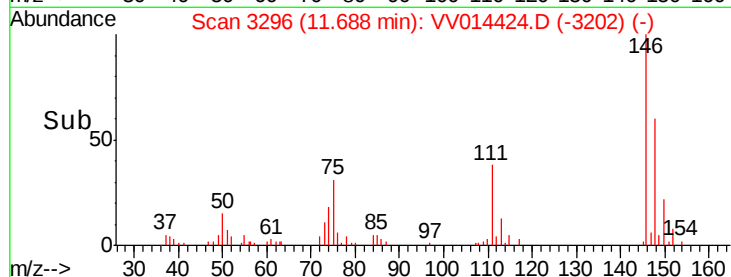
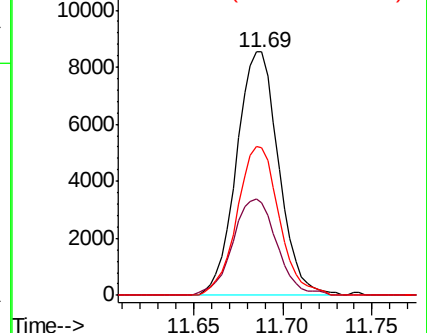
148 60.4 50.9 76.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.545 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. -0.00 min

Lab File: VV014424.D

Acq: 29 Jan 2020 14:52

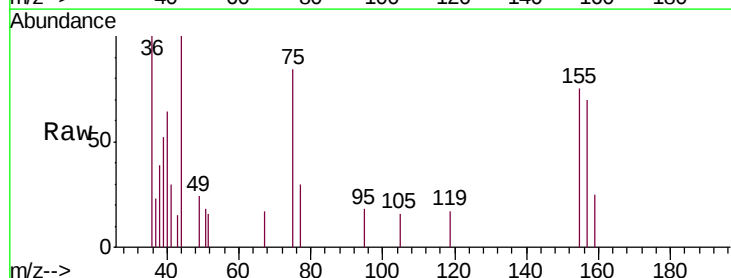
Tgt Ion: 75 Resp: 1363

Ion Ratio Lower Upper

75 100

155 89.6 61.8 92.8

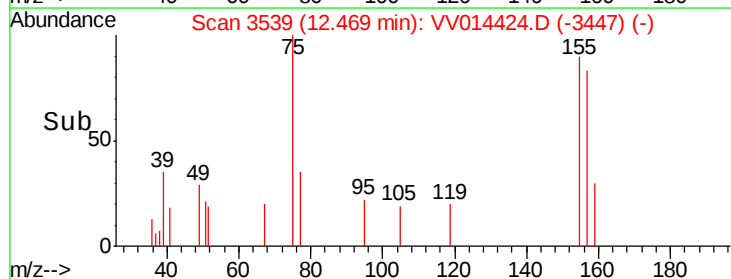
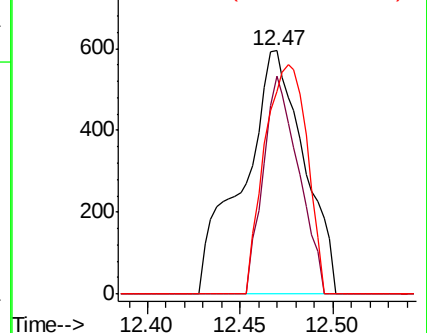
157 83.4 76.6 114.8

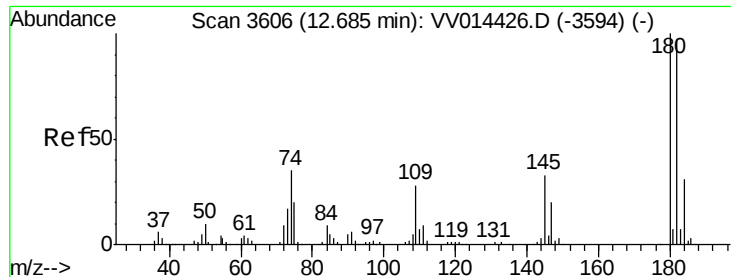


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

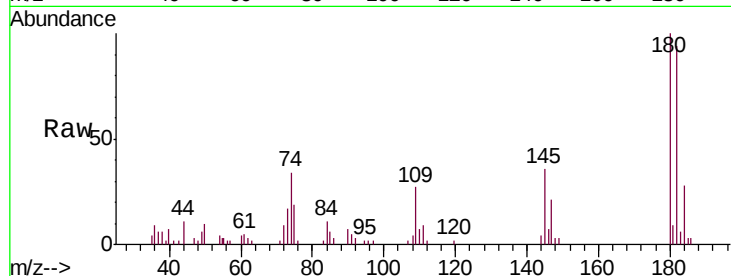




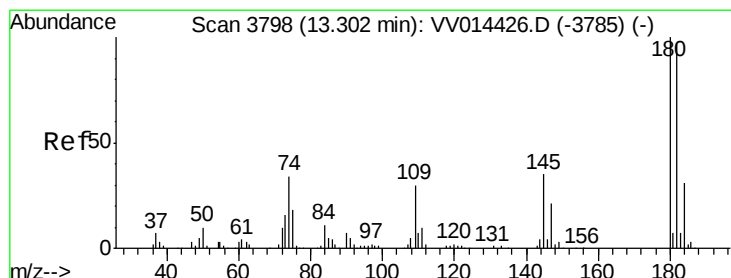
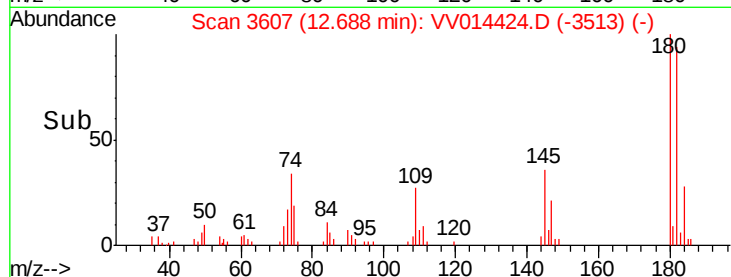
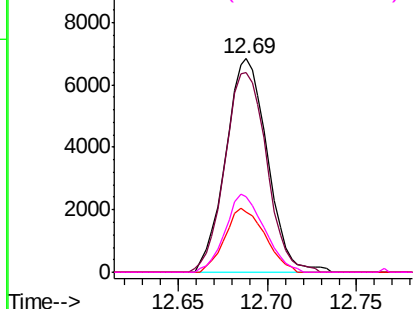
#67
 1,3,5-Trichlorobenzene
 Concen: 0.489 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014424.D
 Acq: 29 Jan 2020 14:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

Tgt Ion:180 Resp: 11104
 Ion Ratio Lower Upper
 180 100
 182 93.8 76.5 114.7
 184 28.6 23.7 35.5
 145 34.5 25.8 38.6

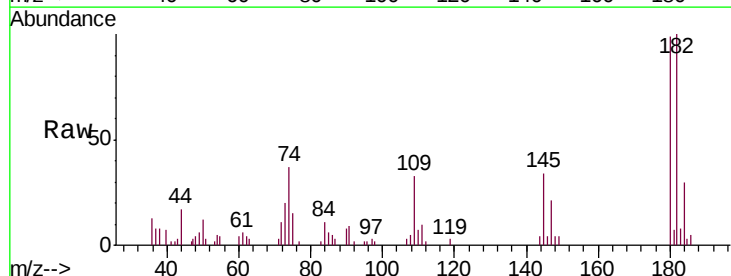


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

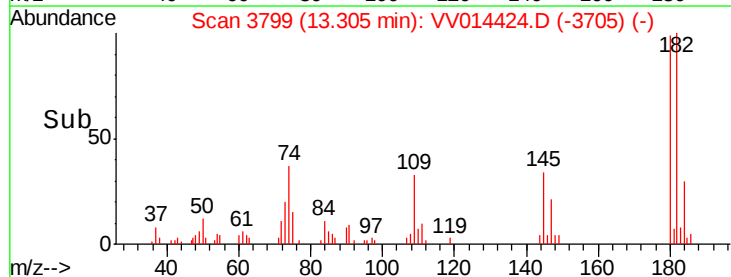
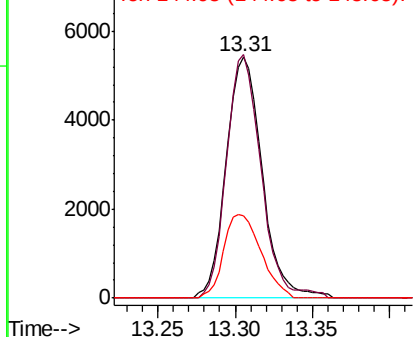


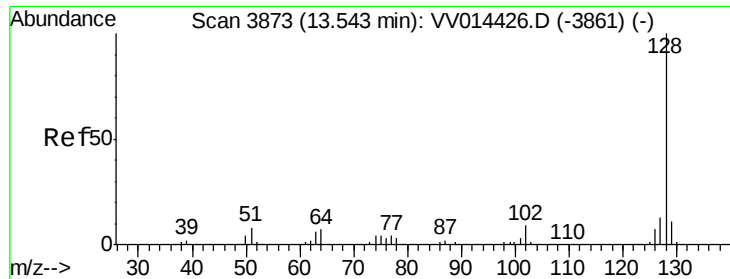
#68
 1,2,4-trichlorobenzene
 Concen: 0.442 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014424.D
 Acq: 29 Jan 2020 14:52

Tgt Ion:180 Resp: 8759
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.5 113.3
 145 35.7 26.8 40.2



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: 0.381 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.01 min

Lab File: VV014424.D

Acq: 29 Jan 2020 14:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

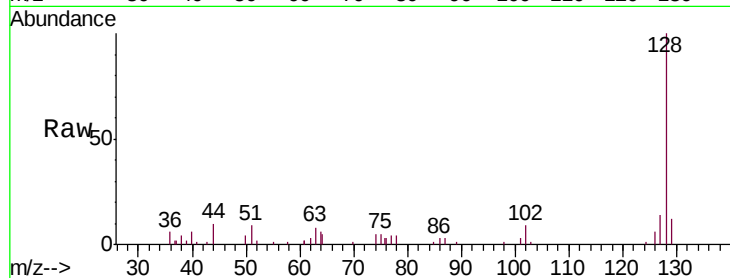
Tgt Ion:128 Resp: 14924

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.6

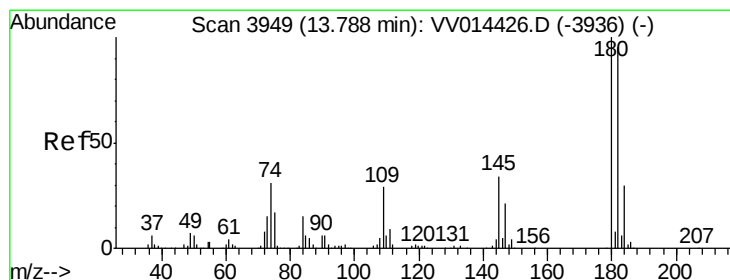
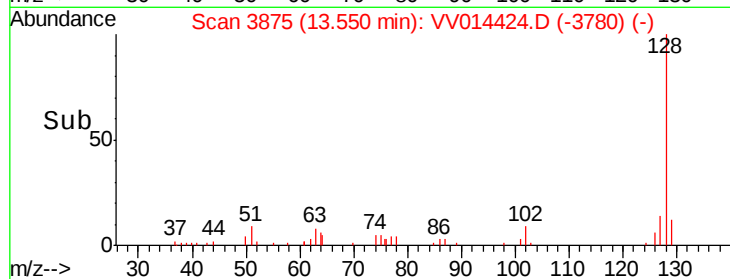
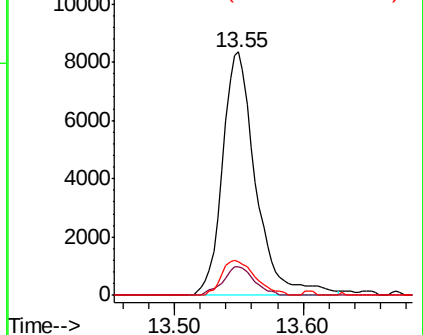
127 14.6 10.3 15.5



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: 0.438 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV014424.D

Acq: 29 Jan 2020 14:52

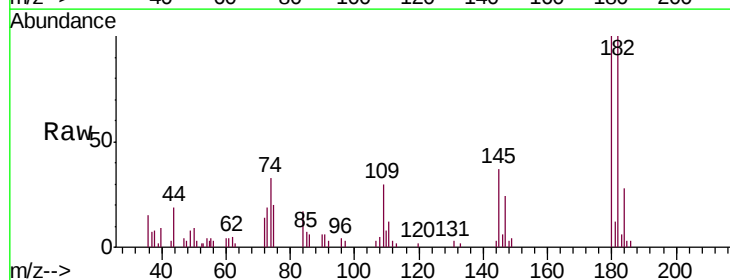
Tgt Ion:180 Resp: 7598

Ion Ratio Lower Upper

180 100

182 103.4 76.0 114.0

145 36.1 27.6 41.4



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

