

Data File : VV014523.D
Acq On : 06 Feb 2020 17:37
Operator : SY/MD
Sample : VSTD2.561
Misc : 5.0g/10.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

Quant Time: Feb 07 03:20:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM020720S.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 03:18:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	380833	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	360699	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	182613	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	8824	1.78	ug/L	0.00
7) Chloroethane-d5	1.58	69	6214	1.72	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	14329	1.66	ug/L	0.00
20) 2-Butanone-d5	3.95	46	5819	2.45	ug/L	0.02
24) Chloroform-d	4.40	84	19833	1.91	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	12222	2.02	ug/L	0.00
29) Benzene-d6	5.10	84	46195	2.21	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	13289	2.08	ug/L	0.00
37) Toluene-d8	7.36	98	43725	2.33	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	6546	2.30	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	6075	4.41	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.25	84	12553	2.13	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	17224	2.42	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	16547	2.663 ug/L	97
3) Chloromethane	1.25	50	16240	2.771 ug/L	98
5) Vinyl chloride	1.32	62	12007	2.135 ug/L	99
6) Bromomethane	1.53	94	5712	2.139 ug/L	99
8) Chloroethane	1.60	64	5769	1.857 ug/L	96
9) Trichlorofluoromethane	1.77	101	16684	2.108 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	8598	1.892 ug/L	98
12) 1,1-Dichloroethene	2.14	96	7354	1.726 ug/L	98
13) Acetone	2.18	43	11082	4.005 ug/L	98
14) Carbon disulfide	2.32	76	45441	2.589 ug/L	100
15) Methyl Acetate	2.46	43	7387	1.773 ug/L	100
16) Methylene chloride	2.54	84	22517	3.167 ug/L	99
17) Methyl tert-butyl Ether	2.80	73	33715	2.226 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	14212	2.346 ug/L	98
19) 1,1-Dichloroethane	3.23	63	22835	2.091 ug/L	98
21) 2-Butanone	4.03	43	7419	2.529 ug/L	77
22) cis-1,2-Dichloroethene	3.96	96	14518	2.251 ug/L	98
23) Bromochloromethane	4.30	128	6600	2.157 ug/L	92
25) Chloroform	4.42	83	25226	2.204 ug/L	98
27) 1,2-Dichloroethane	5.18	62	15152	1.951 ug/L #	91
30) Cyclohexane	4.72	56	22776	2.369 ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	19338	2.132 ug/L	96
32) Carbon tetrachloride	4.87	117	16771	2.091 ug/L	99
34) Benzene	5.15	78	51409	2.190 ug/L	100
35) Trichloroethene	5.96	95	14133	2.237 ug/L	98
36) Methylcyclohexane	6.17	83	24328	2.442 ug/L	98
40) 1,2-Dichloropropane	6.22	63	12602	2.127 ug/L	99
41) Bromodichloromethane	6.55	83	16819	2.184 ug/L	93
42) cis-1,3-Dichloropropene	7.07	75	19779	2.191 ug/L	96
43) 4-Methyl-2-pentanone	7.27	43	18597	3.539 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	55826	2.316	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	17179	2.239	ug/L	95
46) 1,1,2-Trichloroethane	7.88	97	10137	2.123	ug/L	95
47) Tetrachloroethene	8.02	164	10599	2.018	ug/L	98
49) 2-Hexanone	8.18	43	12159	3.166	ug/L	91
50) Dibromochloromethane	8.29	129	11635	2.039	ug/L	93
51) 1,2-Dibromoethane	8.39	107	10424	2.113	ug/L	99
52) Chlorobenzene	8.92	112	38267	2.345	ug/L	98
53) Ethylbenzene	9.05	91	62696	2.360	ug/L	96
54) m,p-Xylene	9.18	106	24686	2.467	ug/L	99
55) o-xylene	9.59	106	23023	2.399	ug/L	96
56) Styrene	9.60	104	38921	2.353	ug/L	100
57) Isopropylbenzene	9.97	105	61684	2.419	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	13588	2.201	ug/L	96
59) 1,2,3-Trichloropropane	10.31	75	10574	2.103	ug/L	99
62) Bromoform	9.77	173	6661	1.868	ug/L #	95
63) 1,3-Dichlorobenzene	11.22	146	29181	2.302	ug/L	96
64) 1,4-Dichlorobenzene	11.31	146	30643	2.359	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	26817	2.277	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	2594	2.394	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	21752	2.210	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	18704	2.193	ug/L	100
69) Naphthalene	13.55	128	43244	2.566	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	17355	2.213	ug/L	99

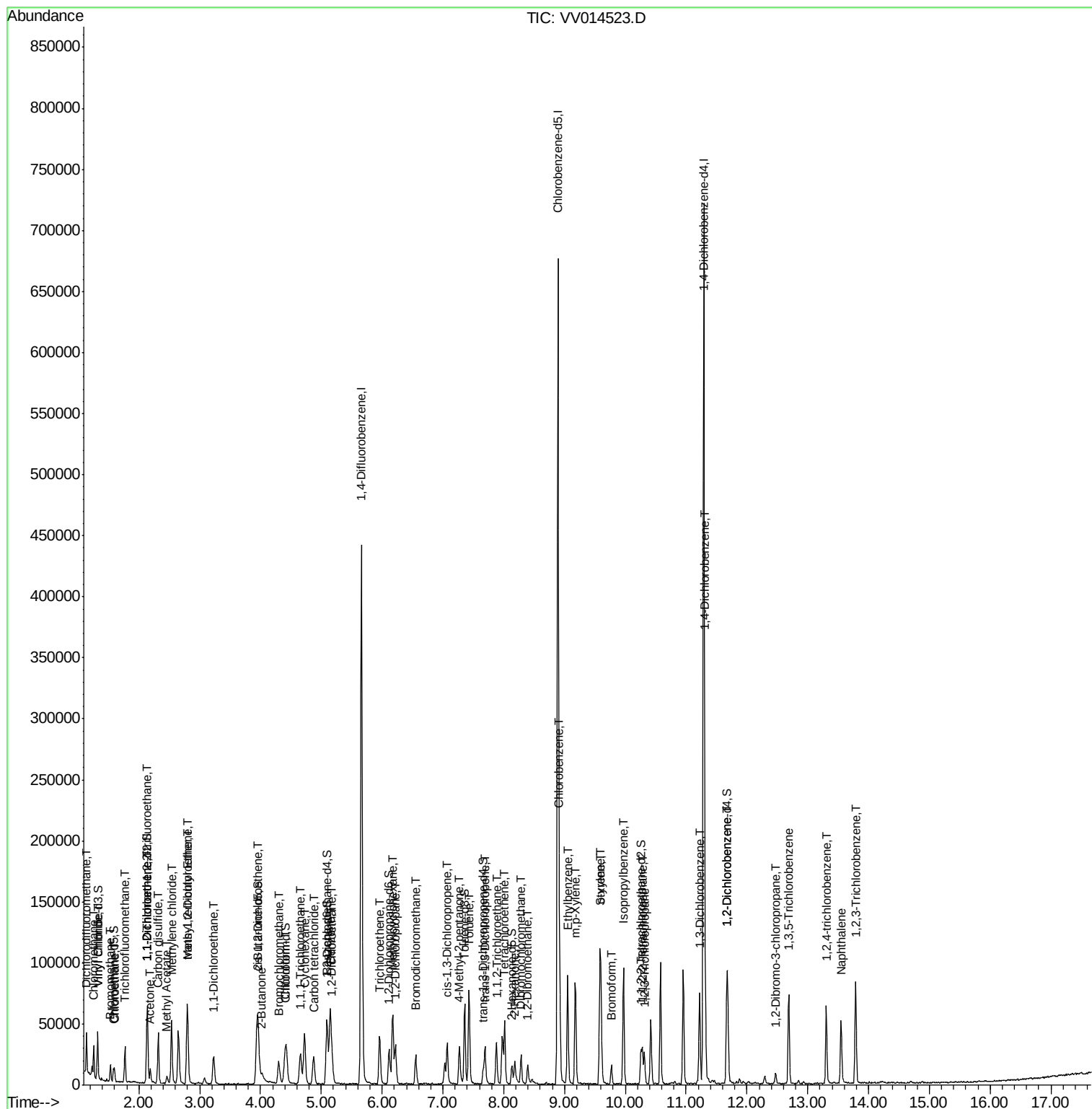
(#) = qualifier out of range (m) = manual integration (+) = signals summed

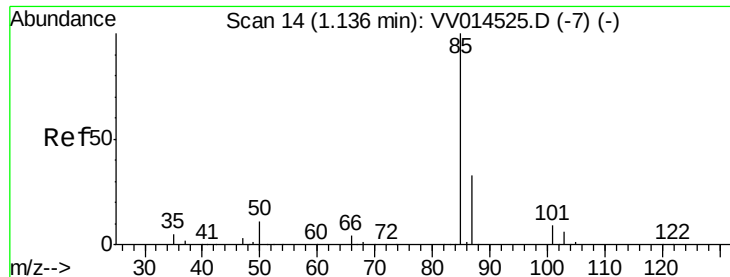
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#2

Dichlorodifluoromethane

Concen: 2.663 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014523.D

Acq: 06 Feb 2020 17:37

Instrument :

MSVOA_V

ClientSampleId :

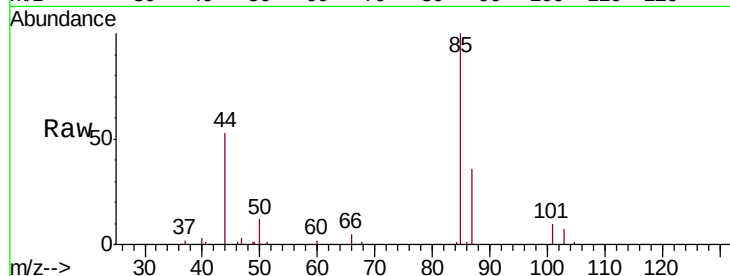
VSTD2.561

Tgt Ion: 85 Resp: 16547

Ion Ratio Lower Upper

85 100

87 34.8 23.0 42.8



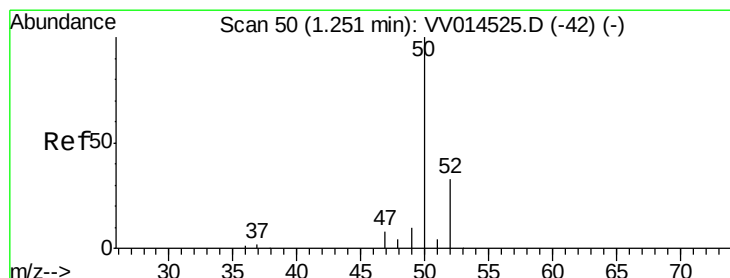
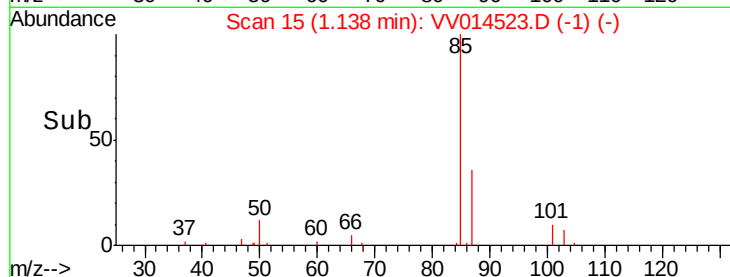
Abundance Ion 85.00 (84.70 to 85.70): VV014523.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV014523.D (-7) (-)

1.14

1.15

Time-->



#3

Chloromethane

Concen: 2.771 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014523.D

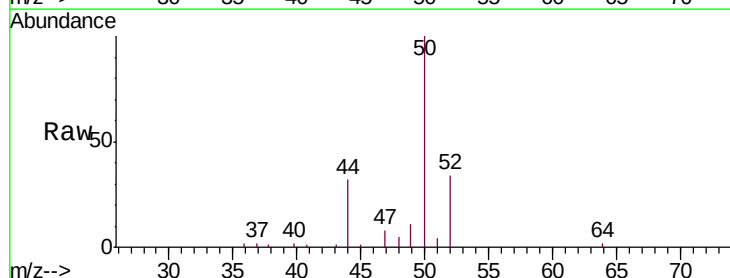
Acq: 06 Feb 2020 17:37

Tgt Ion: 50 Resp: 16240

Ion Ratio Lower Upper

50 100

52 33.8 22.9 42.5



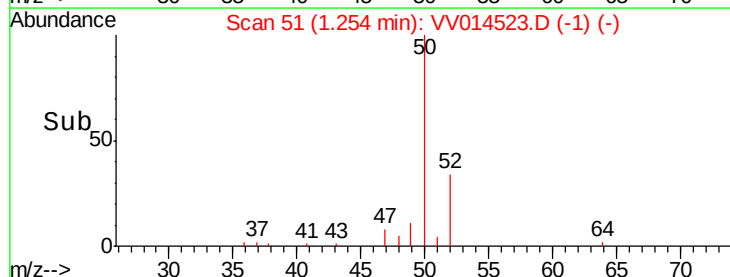
Abundance Ion 50.00 (49.70 to 50.70): VV014523.D (-1) (-)

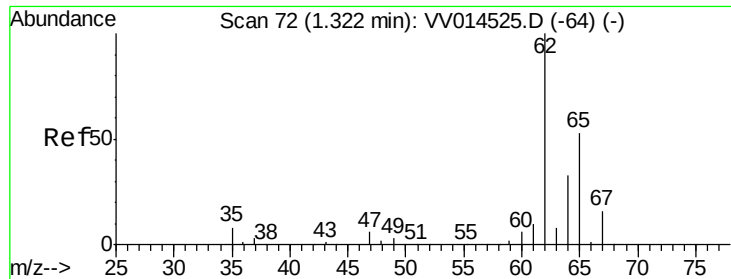
Ion 52.00 (51.70 to 52.70): VV014523.D (-1) (-)

1.25

1.26

Time-->





#5

Vinyl chloride

Concen: 2.135 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014523.D

Acq: 06 Feb 2020 17:37

Instrument :

MSVOA_V

ClientSampleId :

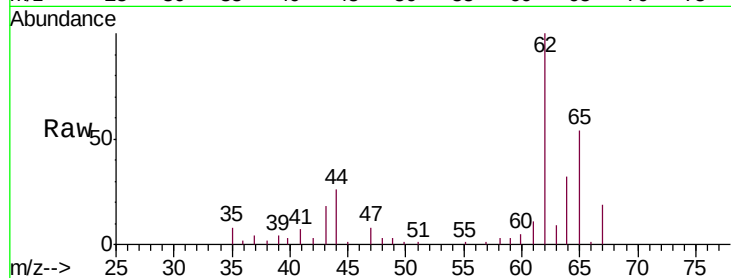
VSTD2.561

Tgt Ion: 62 Resp: 12007

Ion Ratio Lower Upper

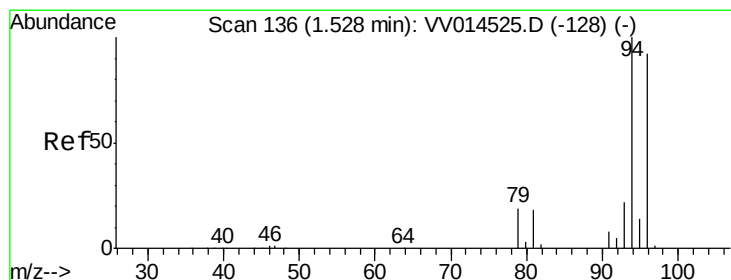
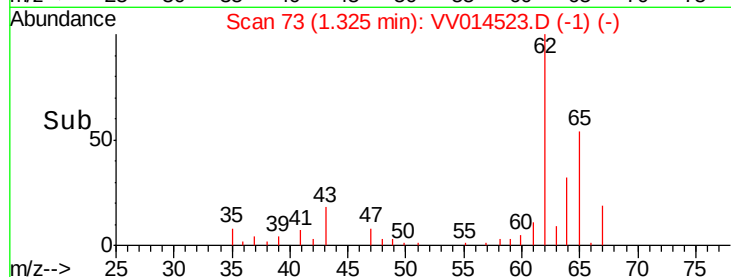
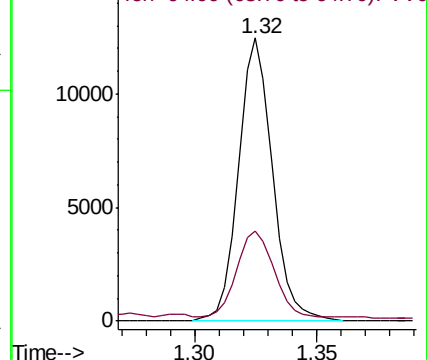
62 100

64 31.9 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.139 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV014523.D

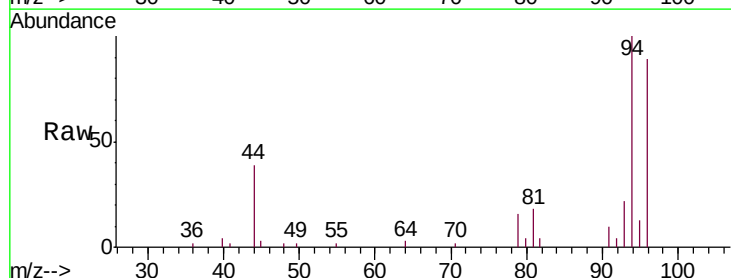
Acq: 06 Feb 2020 17:37

Tgt Ion: 94 Resp: 5712

Ion Ratio Lower Upper

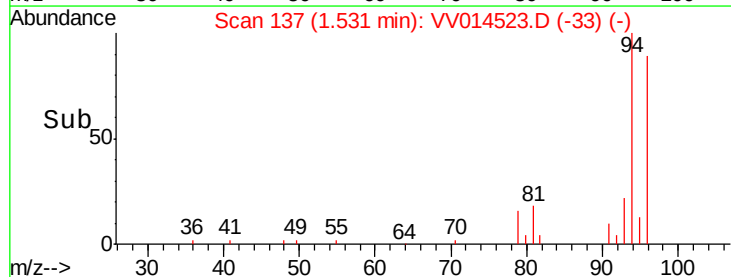
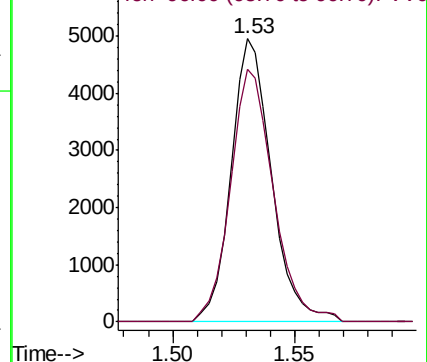
94 100

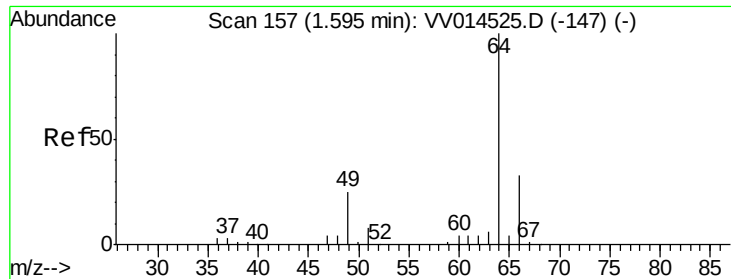
96 95.0 9.4 178.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 1.857 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV014523.D

Acq: 06 Feb 2020 17:37

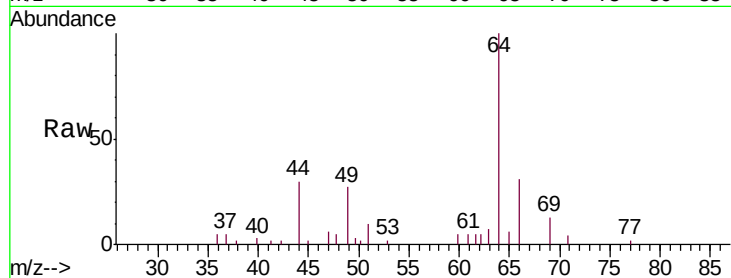
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

Tgt Ion: 64 Resp: 5769

Ion Ratio Lower Upper

64 100

66 31.1 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VV014525.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV014525.D (-147) (-)

1.60

5000

4000

3000

2000

1000

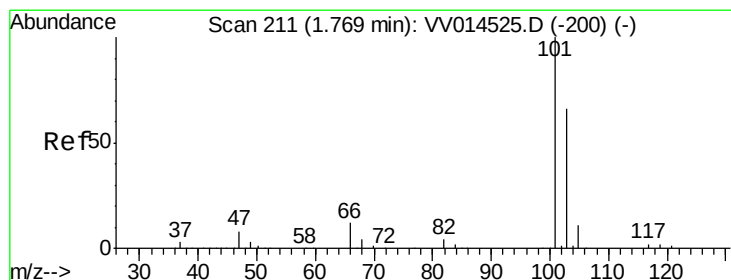
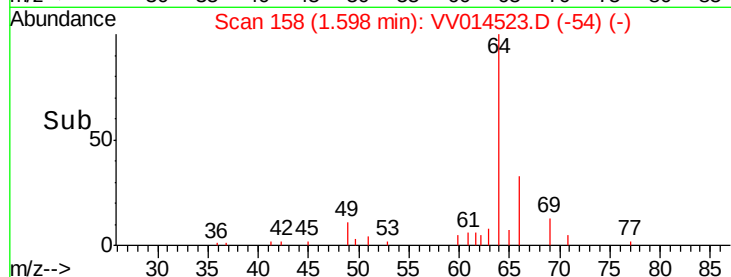
0

1.55

1.60

1.65

Time-->



#9

Trichlorofluoromethane

Concen: 2.108 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014523.D

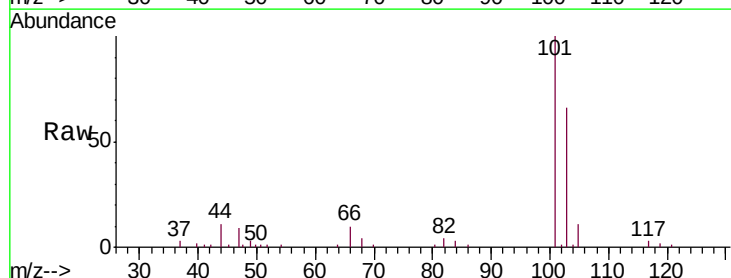
Acq: 06 Feb 2020 17:37

Tgt Ion: 101 Resp: 16684

Ion Ratio Lower Upper

101 100

103 67.1 45.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): VV014525.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV014525.D (-200) (-)

1.77

15000

10000

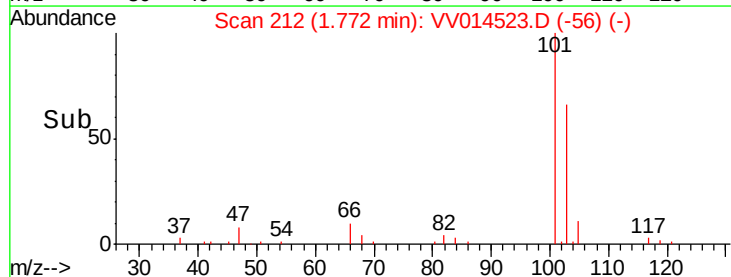
5000

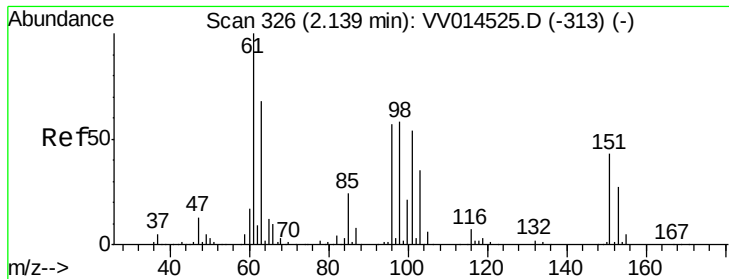
0

1.75

1.80

Time-->





#11

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

Concen: 1.892 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014523.D

Acq: 06 Feb 2020 17:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

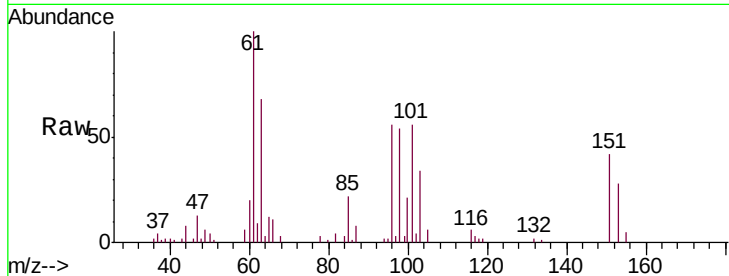
Tgt Ion: 101 Resp: 8598

Ion Ratio Lower Upper

101 100

85 42.4 34.8 52.2

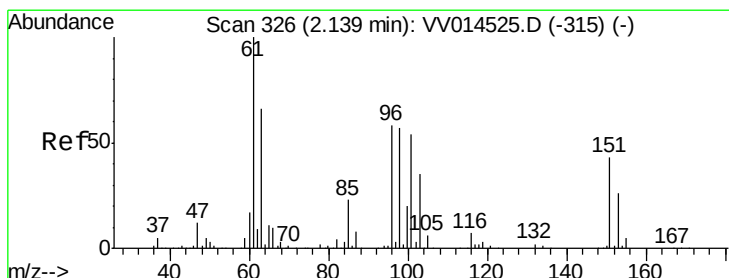
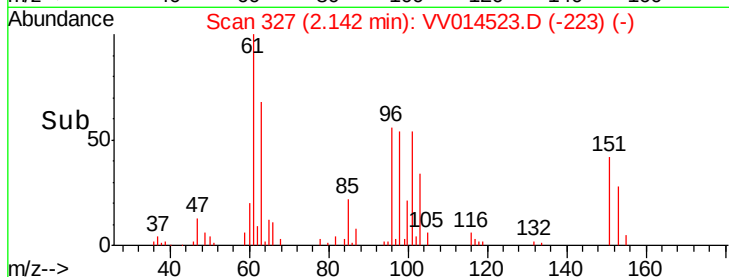
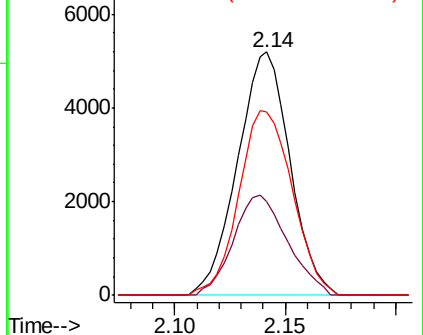
151 77.3 62.9 94.3



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: 1.726 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014523.D

Acq: 06 Feb 2020 17:37

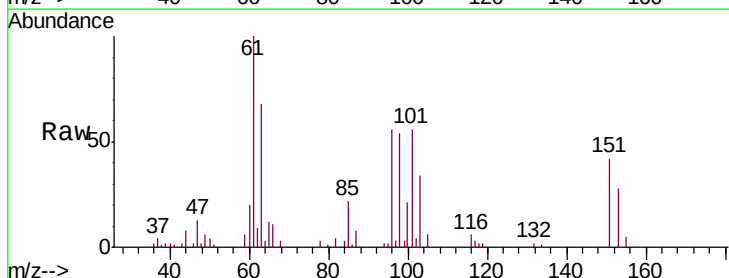
Tgt Ion: 96 Resp: 7354

Ion Ratio Lower Upper

96 100

61 177.4 121.9 226.5

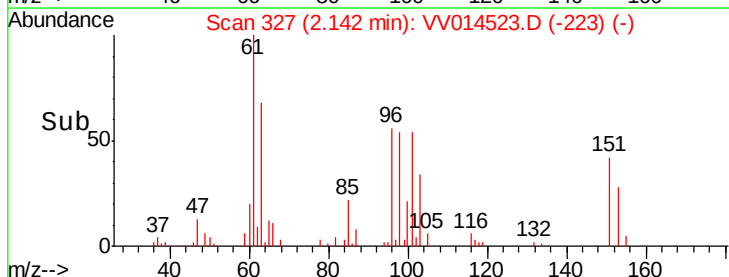
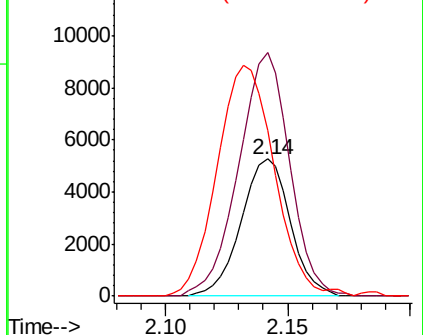
63 120.3 83.2 154.4

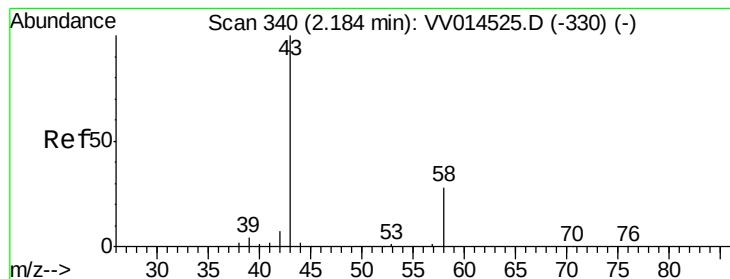


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 4.005 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

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ClientSampleId :

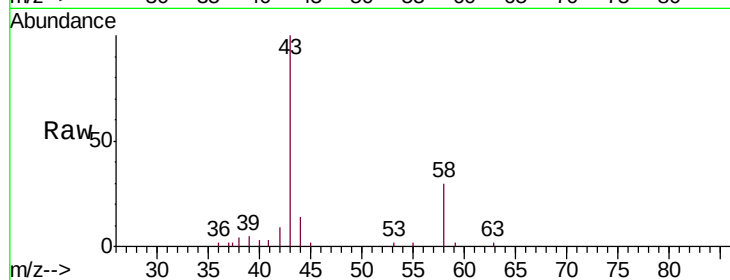
VSTD2.561

Tgt Ion: 43 Resp: 11082

Ion Ratio Lower Upper

43 100

58 30.5 0.0 58.8



Abundance Ion 43.00 (42.70 to 43.70): VV014525.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV014525.D (-330) (-)

2.18

8000

6000

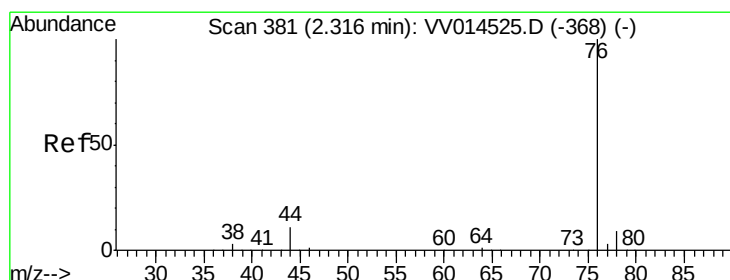
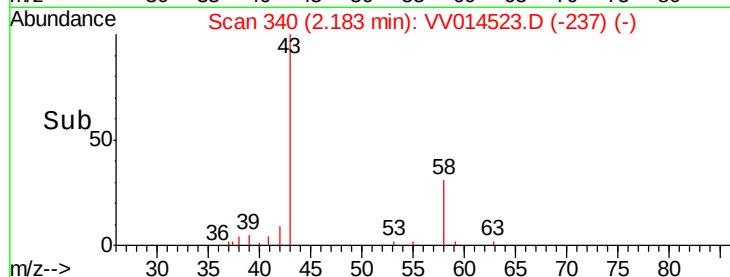
4000

2000

0

Time-->

2.15 2.20 2.25



#14

Carbon disulfide

Concen: 2.589 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014523.D

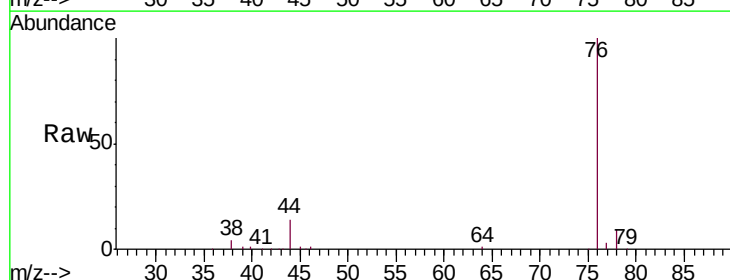
Acq: 06 Feb 2020 17:37

Tgt Ion: 76 Resp: 45441

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV014525.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV014525.D (-368) (-)

2.32

30000

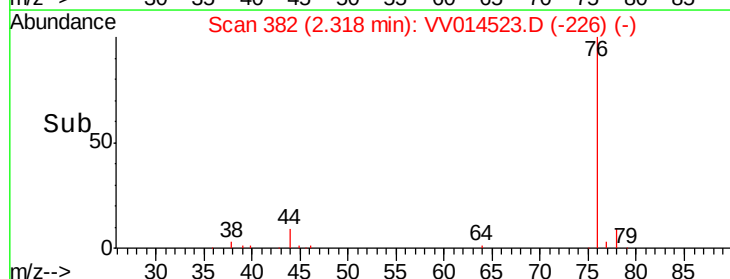
20000

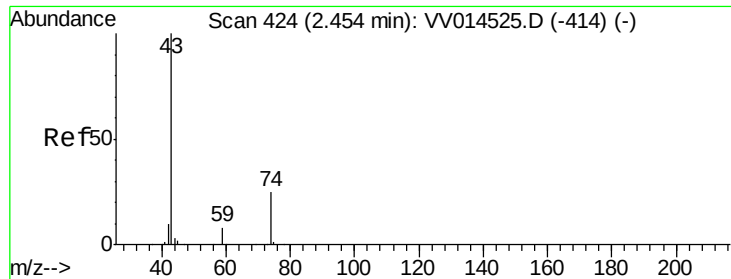
10000

0

Time-->

2.25 2.30 2.35 2.40

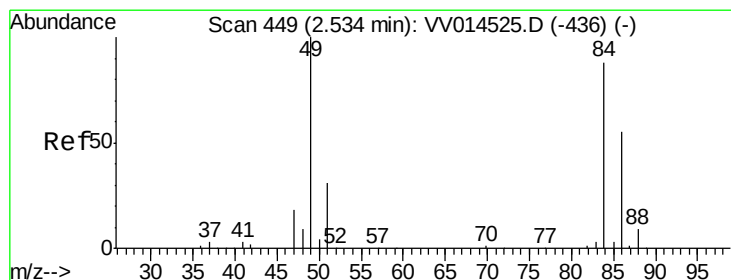
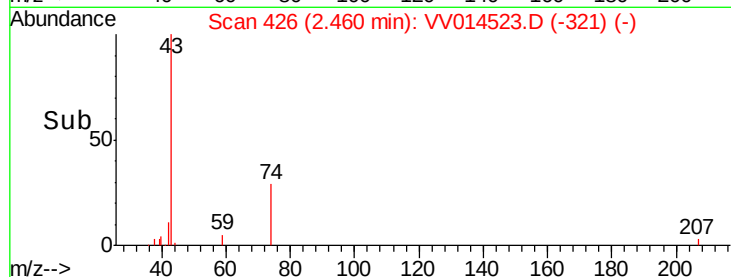
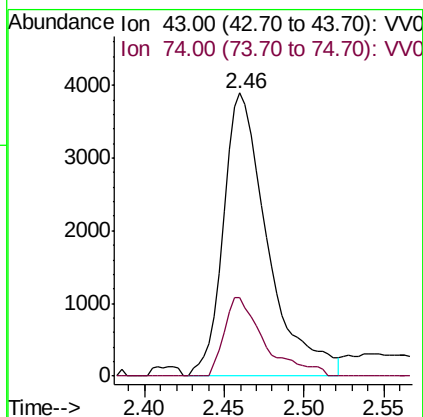
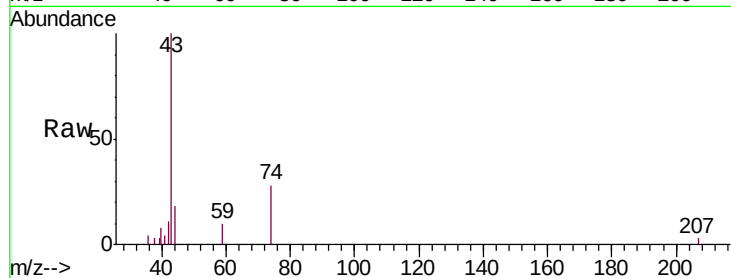




#15
Methyl Acetate
Concen: 1.773 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.01 min
Lab File: VV014523.D
Acq: 06 Feb 2020 17:37

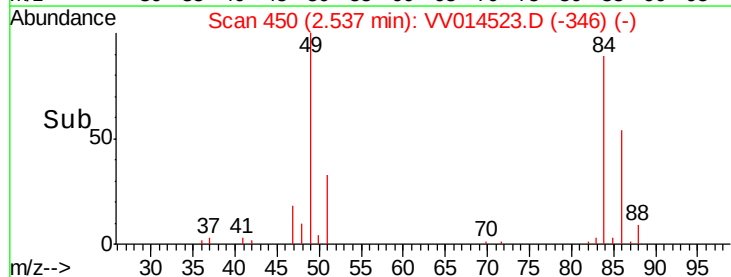
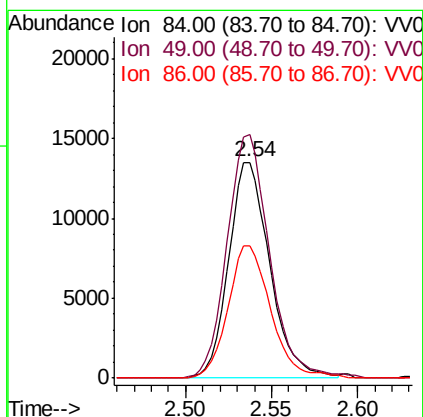
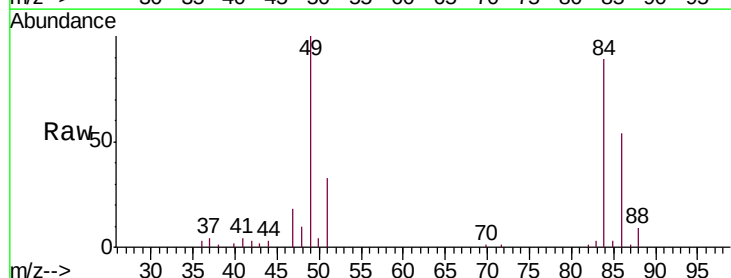
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

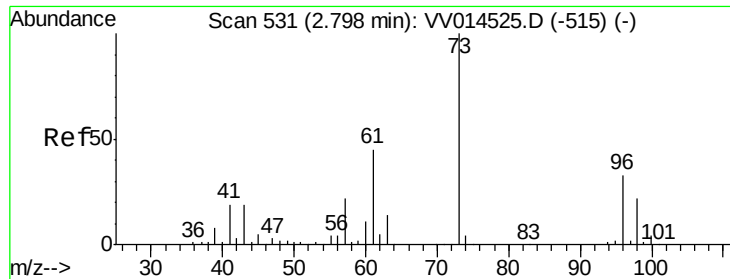
Tgt Ion: 43 Resp: 7387
Ion Ratio Lower Upper
43 100
74 24.3 19.4 29.0



#16
Methylene chloride
Concen: 3.167 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014523.D
Acq: 06 Feb 2020 17:37

Tgt Ion: 84 Resp: 22517
Ion Ratio Lower Upper
84 100
49 112.7 79.1 146.9
86 61.2 43.9 81.5



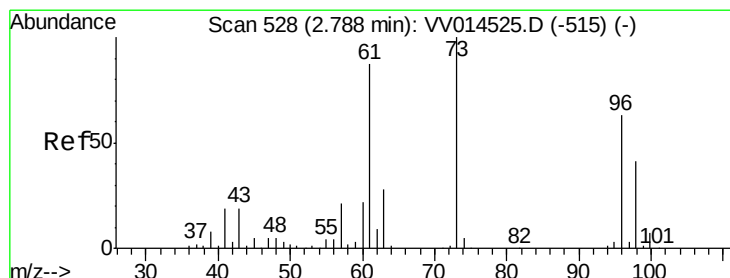
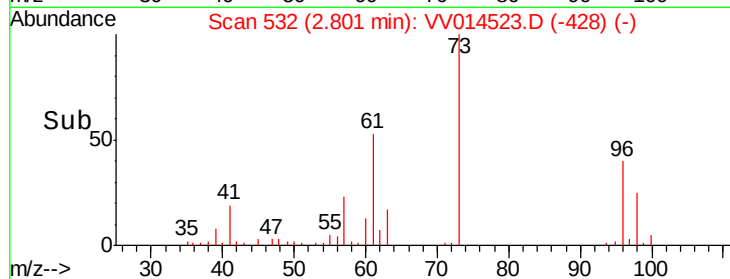
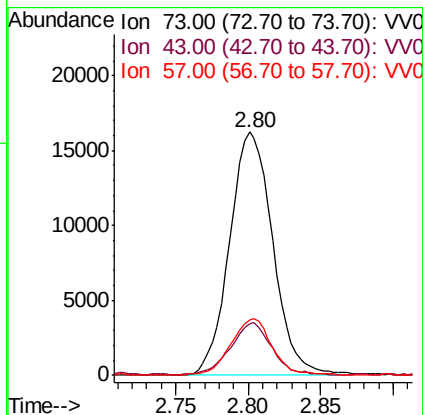
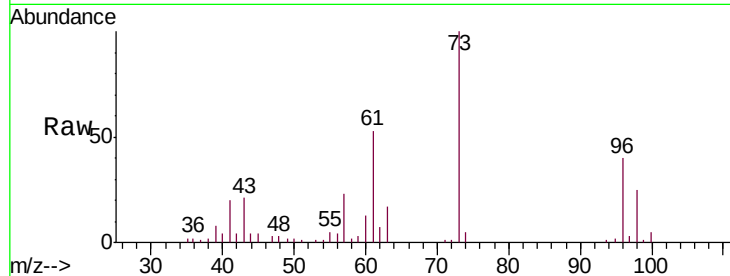


#17

Methyl tert-butyl Ether
 Concen: 2.226 ug/L
 RT: 2.80 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VV014523.D
 Acq: 06 Feb 2020 17:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

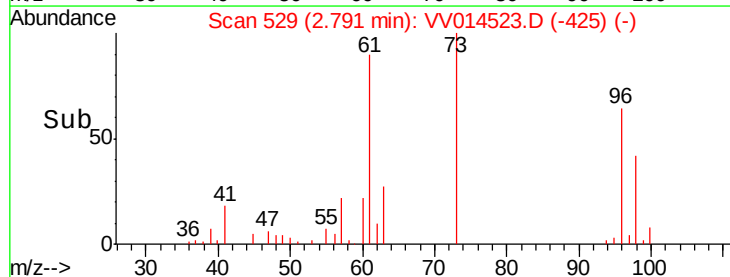
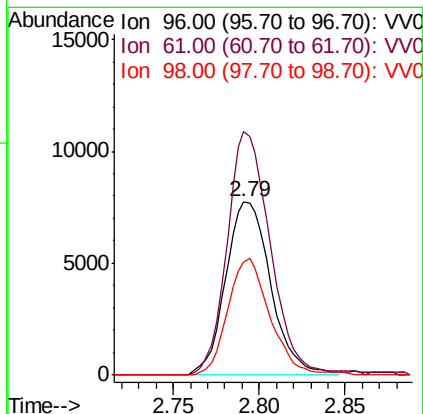
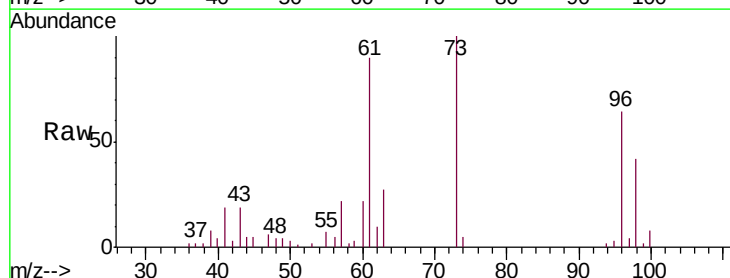
Tgt Ion: 73 Resp: 33715
 Ion Ratio Lower Upper
 73 100
 43 20.6 14.7 22.1
 57 21.8 17.4 26.0

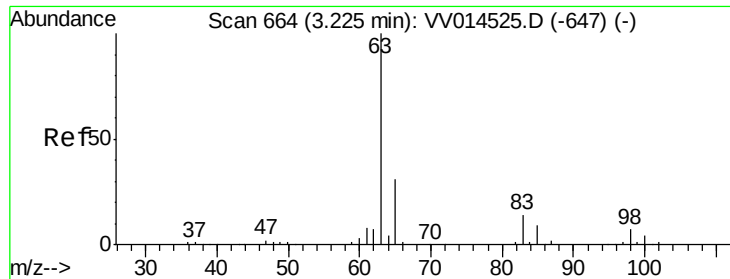


#18

trans-1,2-Dichloroethene
 Concen: 2.346 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV014523.D
 Acq: 06 Feb 2020 17:37

Tgt Ion: 96 Resp: 14212
 Ion Ratio Lower Upper
 96 100
 61 140.3 96.2 178.8
 98 65.5 44.8 83.2

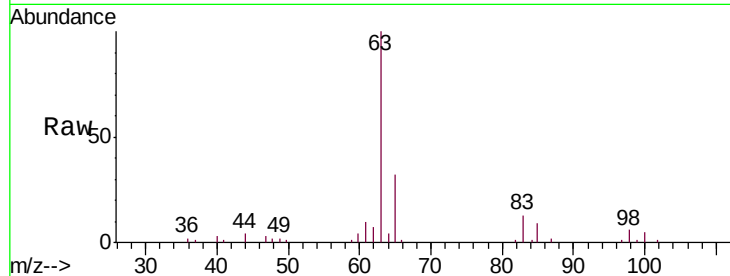




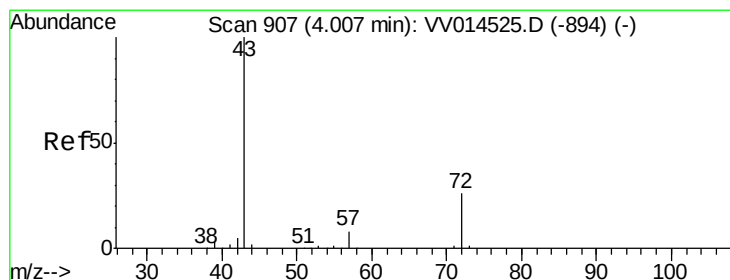
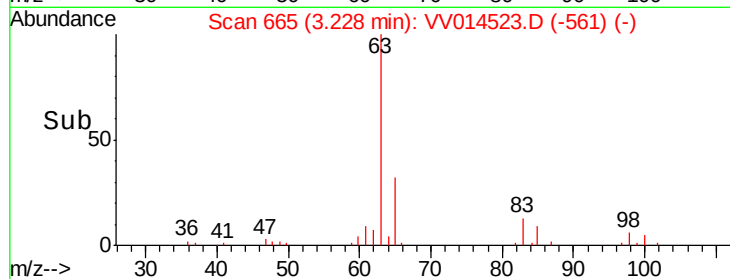
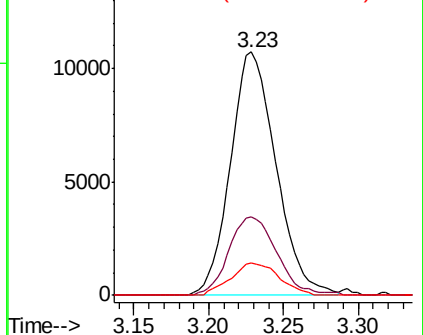
#19
 1,1-Dichloroethane
 Concen: 2.091 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014523.D
 Acq: 06 Feb 2020 17:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

Tgt Ion: 63 Resp: 22835
 Ion Ratio Lower Upper
 63 100
 65 32.2 21.8 40.4
 83 13.2 9.5 17.7

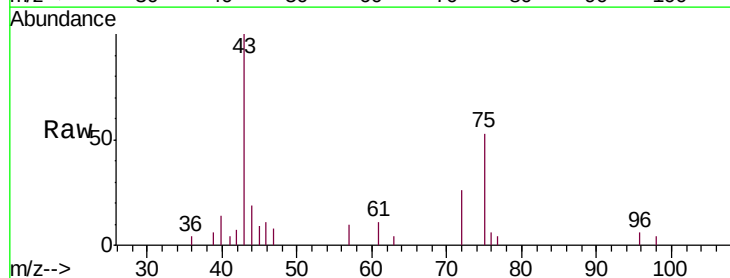


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

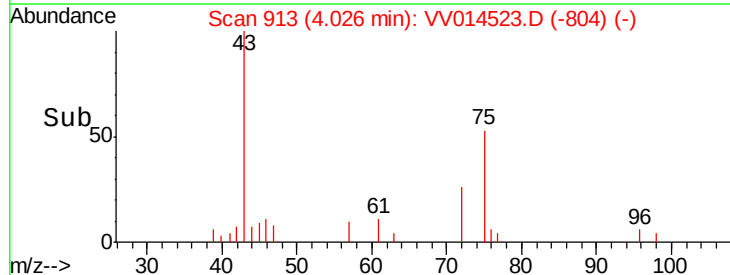
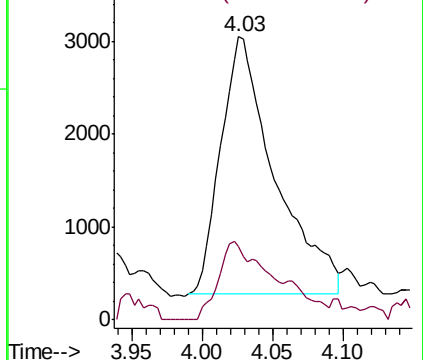


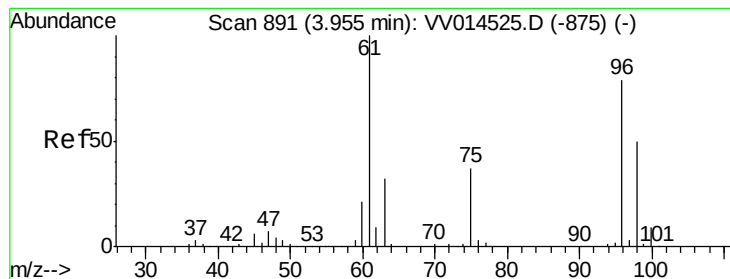
#21
 2-Butanone
 Concen: 2.529 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. 0.02 min
 Lab File: VV014523.D
 Acq: 06 Feb 2020 17:37

Tgt Ion: 43 Resp: 7419
 Ion Ratio Lower Upper
 43 100
 72 15.3 13.5 40.4



Abundance Ion 43.00 (42.70 to 43.70): VV0
 Ion 72.00 (71.70 to 72.70): VV0



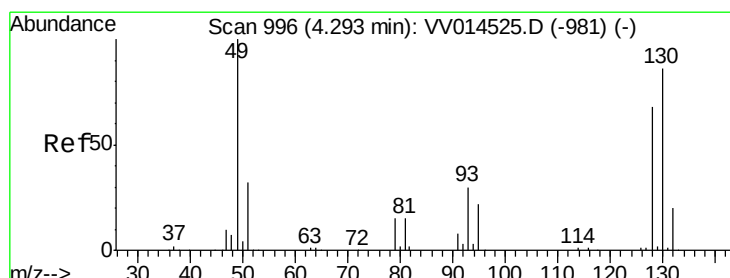
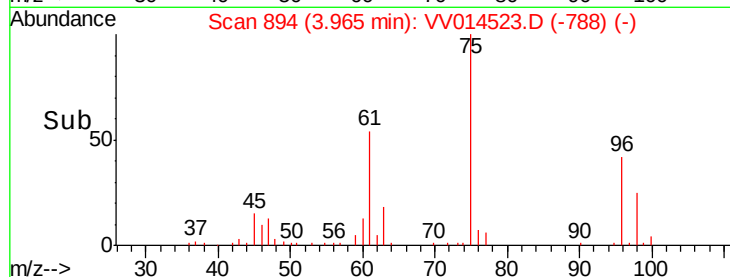
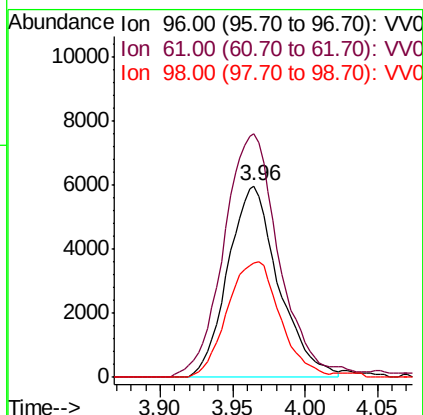
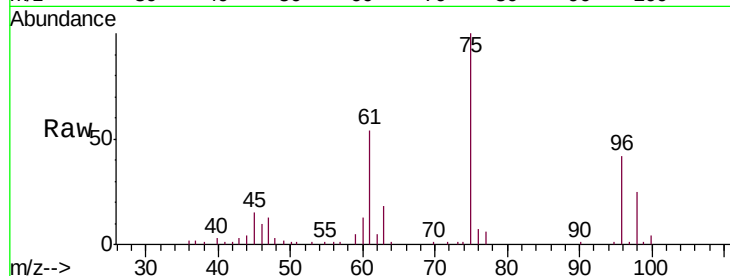


#22

cis-1,2-Dichloroethene
 Concen: 2.251 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: VV014523.D
 Acq: 06 Feb 2020 17:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

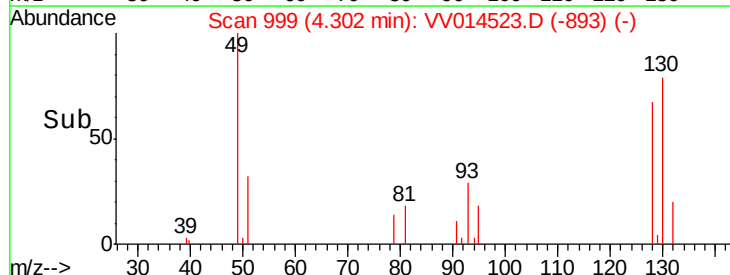
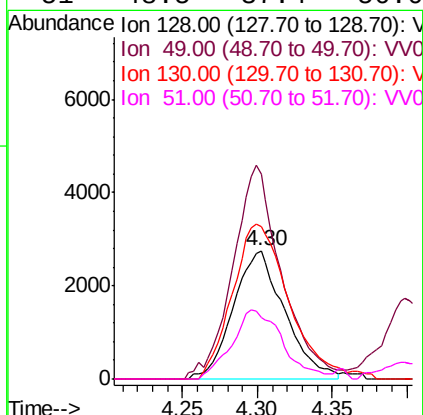
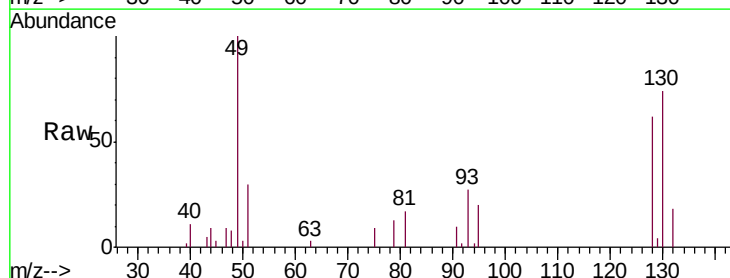
Tgt Ion: 96 Resp: 14518
 Ion Ratio Lower Upper
 96 100
 61 127.1 88.4 164.2
 98 59.6 44.0 81.8

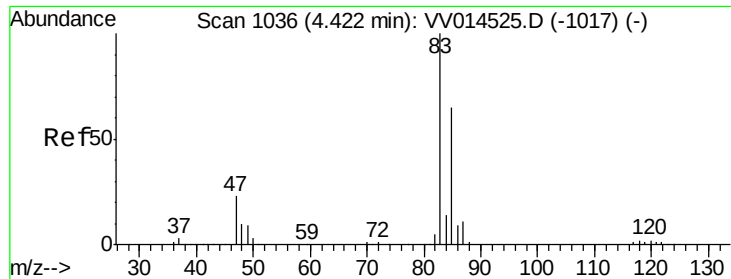


#23

Bromochloromethane
 Concen: 2.157 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VV014523.D
 Acq: 06 Feb 2020 17:37

Tgt Ion: 128 Resp: 6600
 Ion Ratio Lower Upper
 128 100
 49 160.4 103.7 192.7
 130 118.9 88.6 164.6
 51 48.5 37.4 56.0

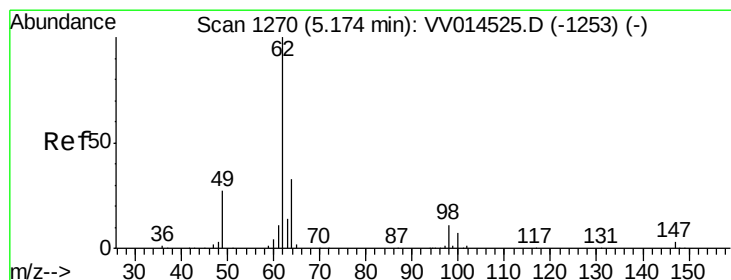
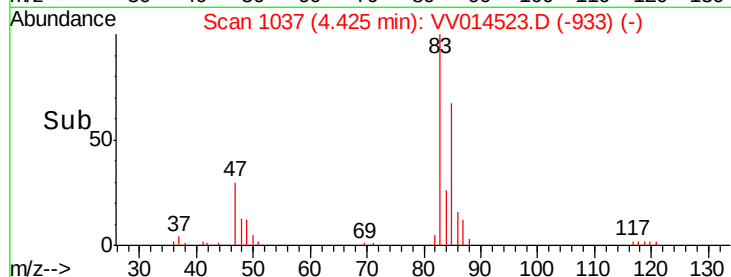
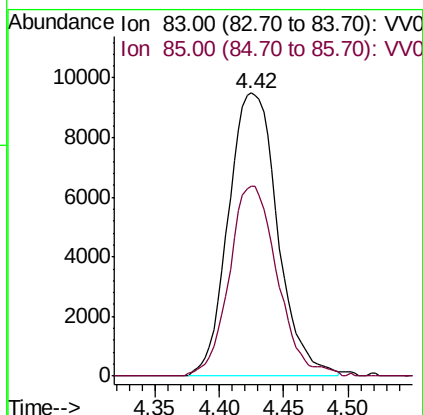
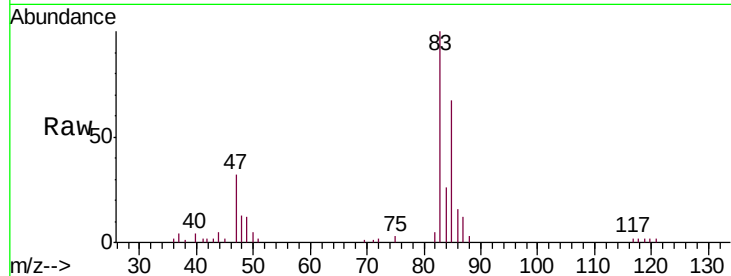




#25
Chloroform
Concen: 2.204 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014523.D
Acq: 06 Feb 2020 17:37

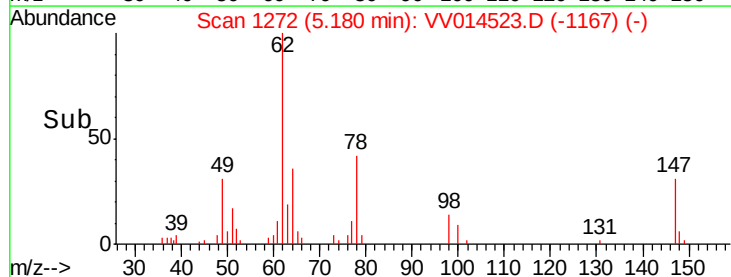
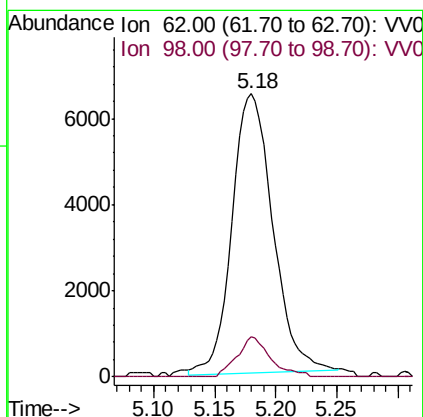
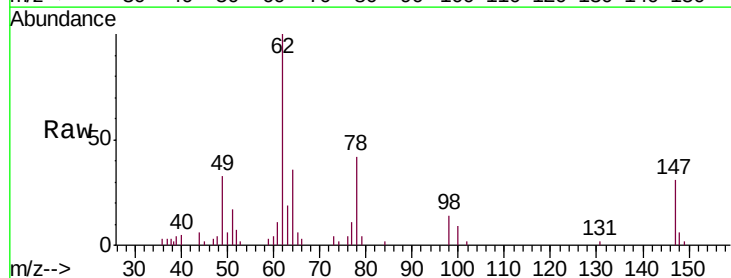
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

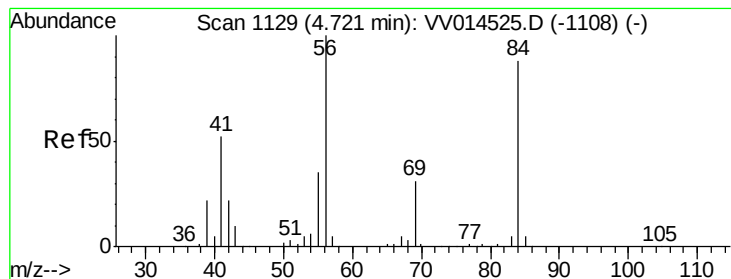
Tgt Ion: 83 Resp: 25226
Ion Ratio Lower Upper
83 100
85 64.4 46.3 86.1



#27
1,2-Dichloroethane
Concen: 1.951 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VV014523.D
Acq: 06 Feb 2020 17:37

Tgt Ion: 62 Resp: 15152
Ion Ratio Lower Upper
62 100
98 14.1 8.5 12.7#





#30

Cyclohexane

Concen: 2.369 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV014523.D

Acq: 06 Feb 2020 17:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

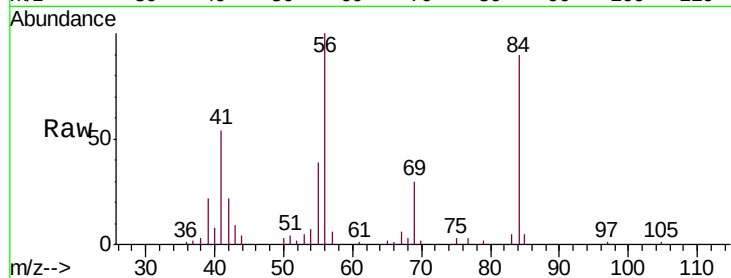
Tgt Ion: 56 Resp: 22776

Ion Ratio Lower Upper

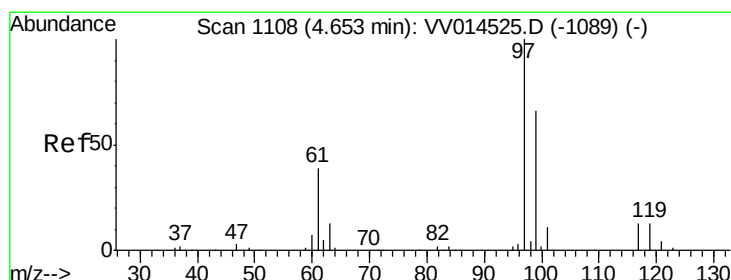
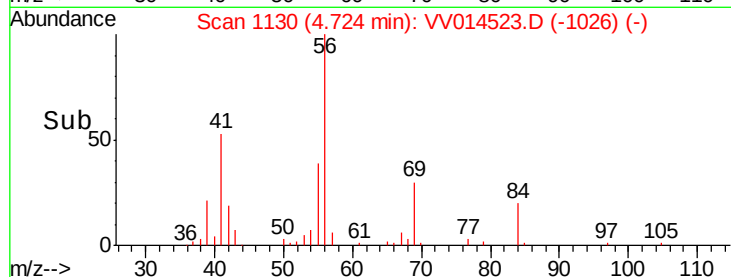
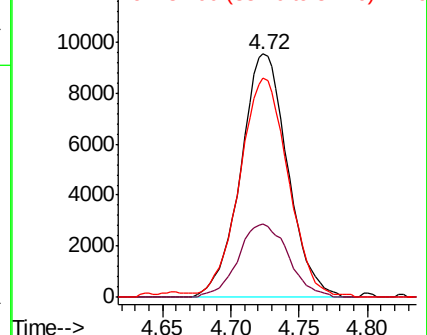
56 100

69 32.1 25.3 37.9

84 90.7 71.9 107.9



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#31

1,1,1-Trichloroethane

Concen: 2.132 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV014523.D

Acq: 06 Feb 2020 17:37

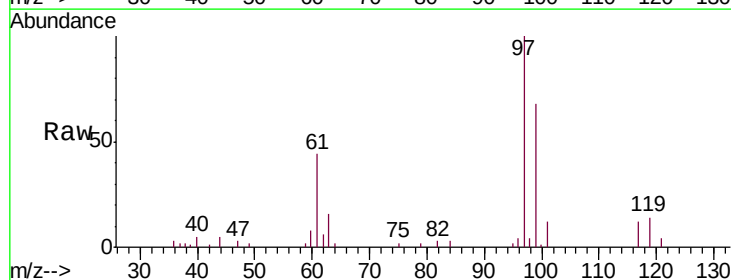
Tgt Ion: 97 Resp: 19338

Ion Ratio Lower Upper

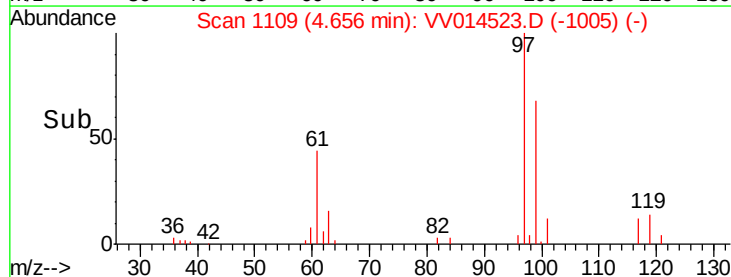
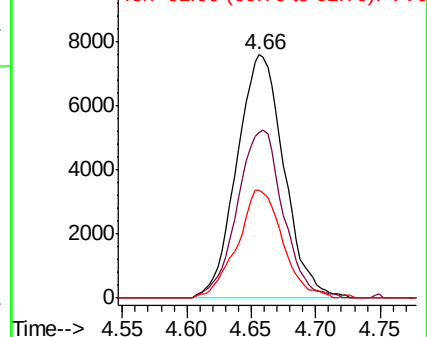
97 100

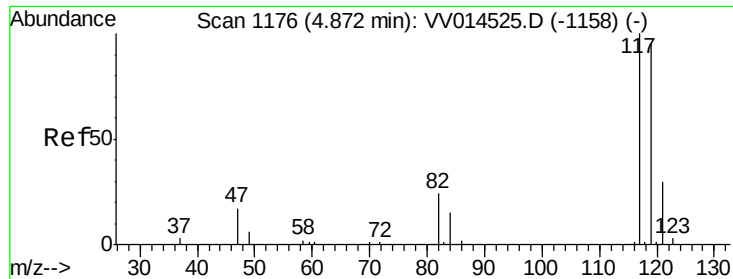
99 67.1 51.5 77.3

61 42.1 31.8 47.8



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 2.091 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV014523.D

Acq: 06 Feb 2020 17:37

Instrument :

MSVOA_V

ClientSampleId :

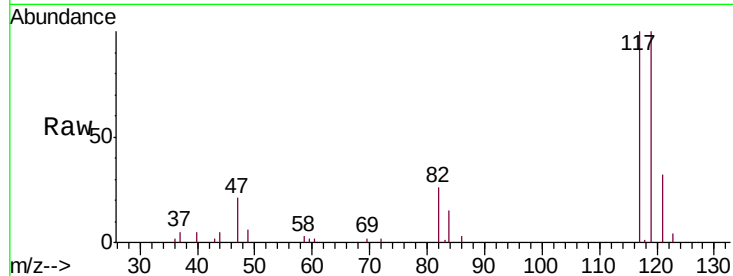
VSTD2.561

Tgt Ion:117 Resp: 16771

Ion Ratio Lower Upper

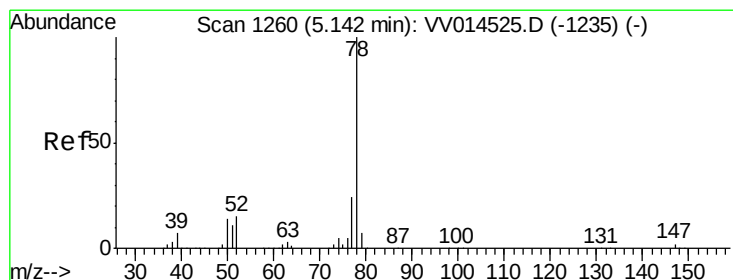
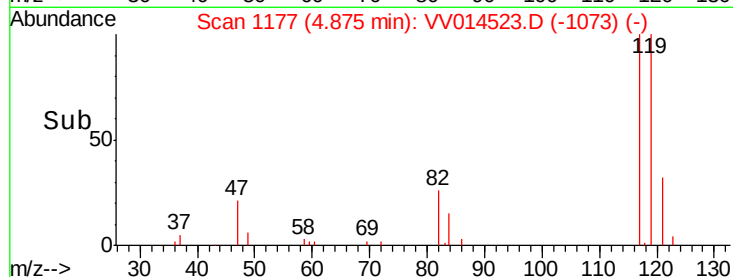
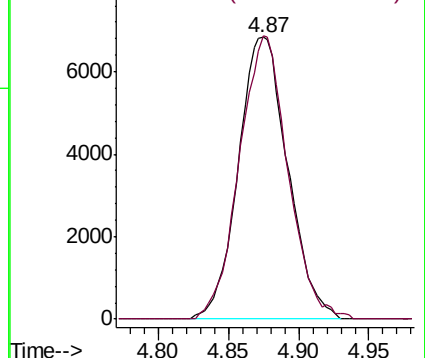
117 100

119 97.3 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.190 ug/L

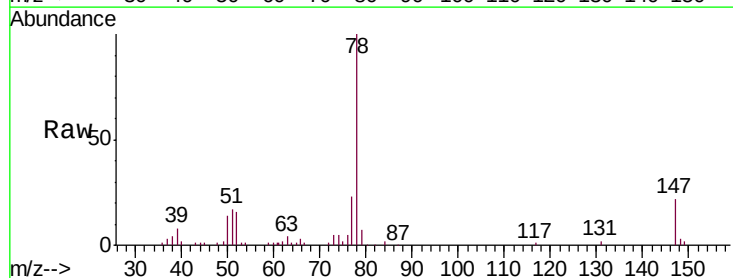
RT: 5.15 min Scan# 1262

Delta R.T. 0.01 min

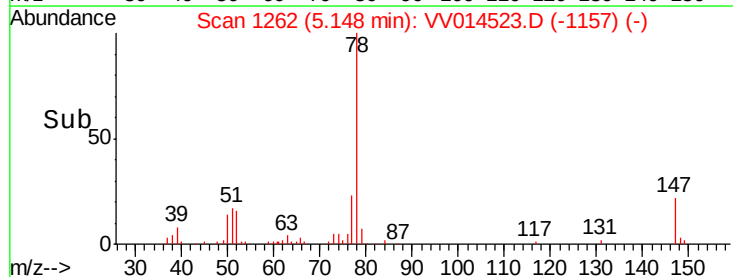
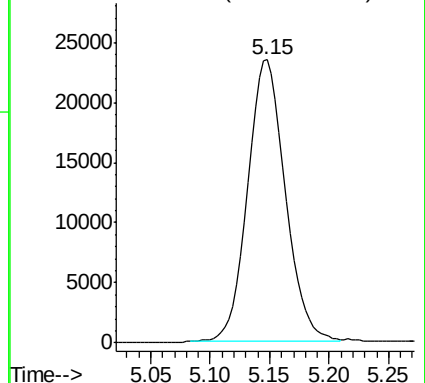
Lab File: VV014523.D

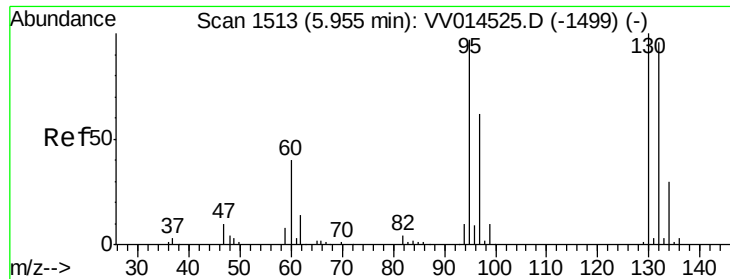
Acq: 06 Feb 2020 17:37

Tgt Ion: 78 Resp: 51409



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 2.237 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV014523.D

Acq: 06 Feb 2020 17:37

Instrument :

MSVOA_V

ClientSampleID :

VSTD2.561

Tgt Ion: 95 Resp: 14133

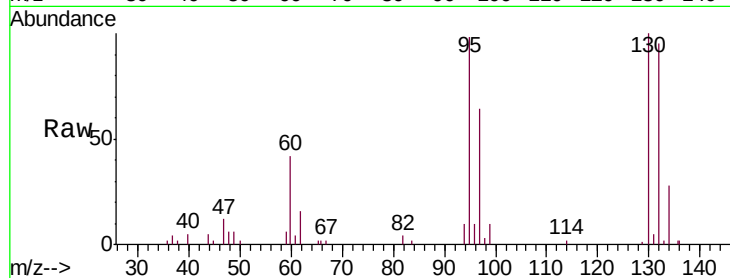
Ion Ratio Lower Upper

95 100

97 66.2 44.6 82.8

132 99.5 68.5 127.1

130 101.9 71.5 132.9

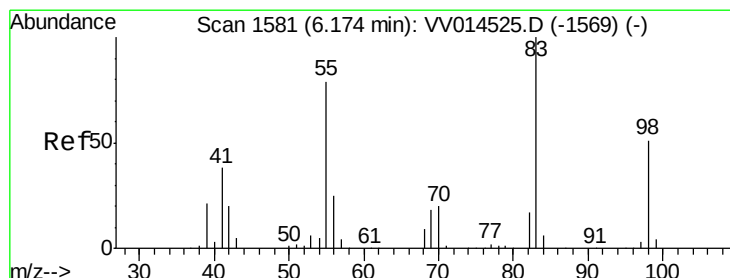
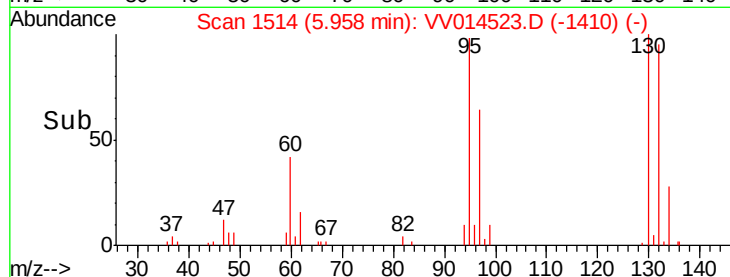
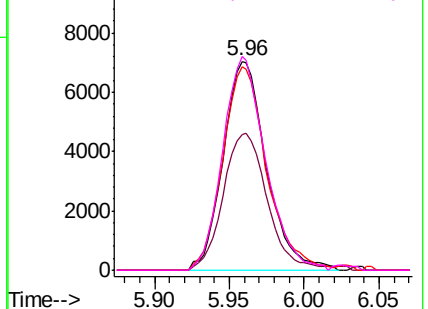


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 2.442 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV014523.D

Acq: 06 Feb 2020 17:37

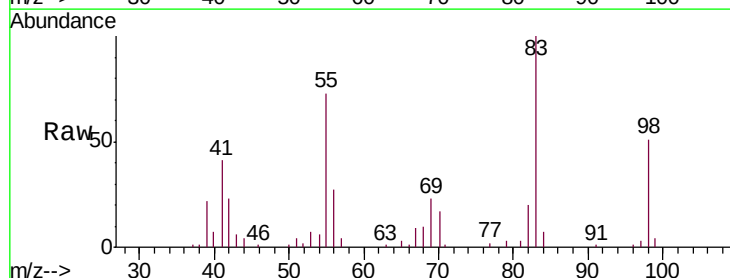
Tgt Ion: 83 Resp: 24328

Ion Ratio Lower Upper

83 100

55 76.9 59.8 89.6

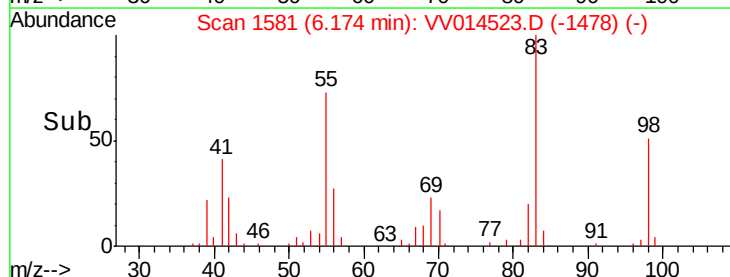
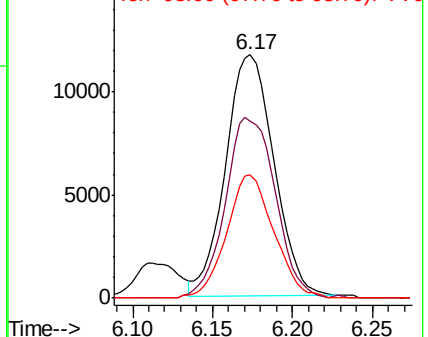
98 49.7 39.9 59.9

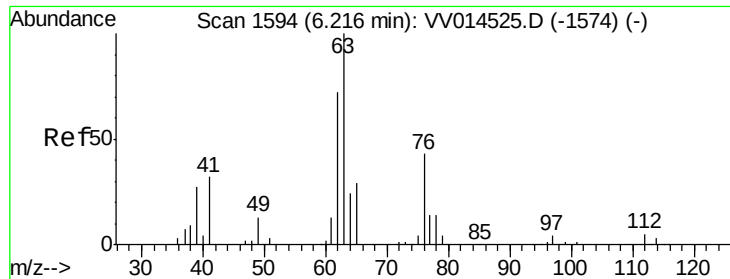


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

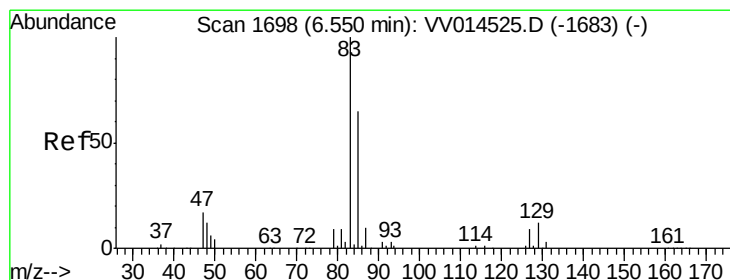
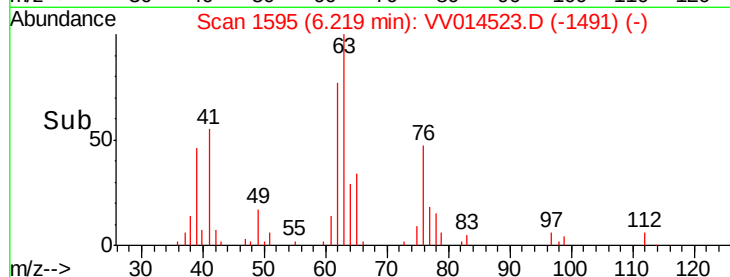
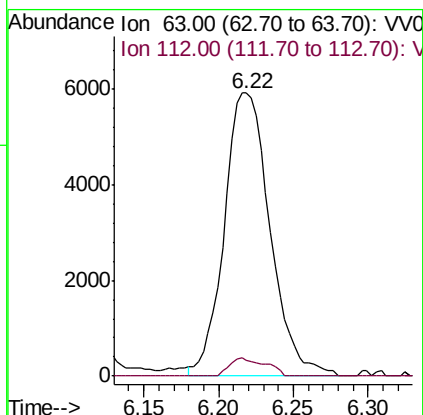
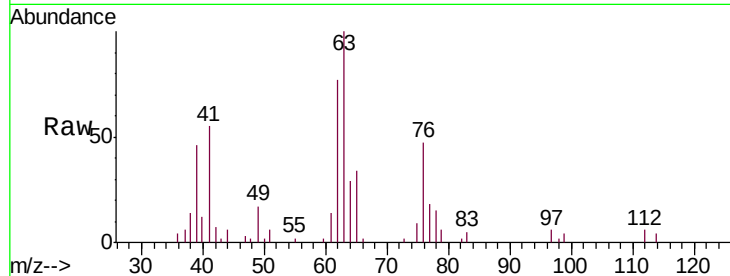




#40
 1,2-Dichloropropane
 Concen: 2.127 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV014523.D
 Acq: 06 Feb 2020 17:37

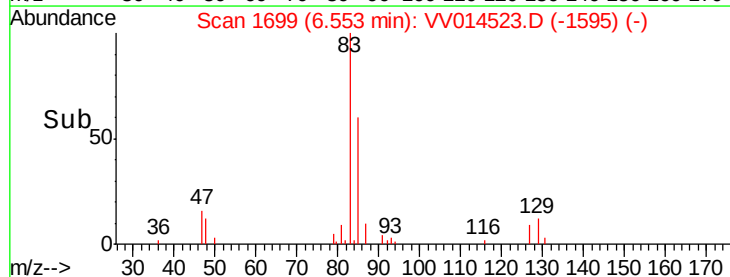
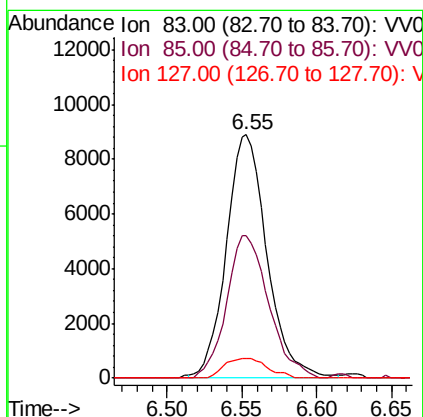
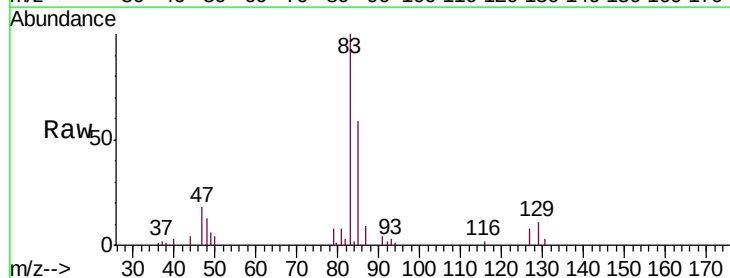
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

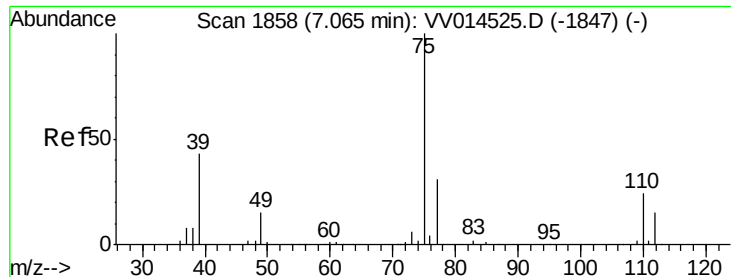
Tgt Ion: 63 Resp: 12602
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.7 5.5



#41
 Bromodichloromethane
 Concen: 2.184 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV014523.D
 Acq: 06 Feb 2020 17:37

Tgt Ion: 83 Resp: 16819
 Ion Ratio Lower Upper
 83 100
 85 58.6 45.1 83.9
 127 8.3 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 2.191 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.01 min

Lab File: VV014523.D

Acq: 06 Feb 2020 17:37

Instrument :

MSVOA_V

ClientSampleId :

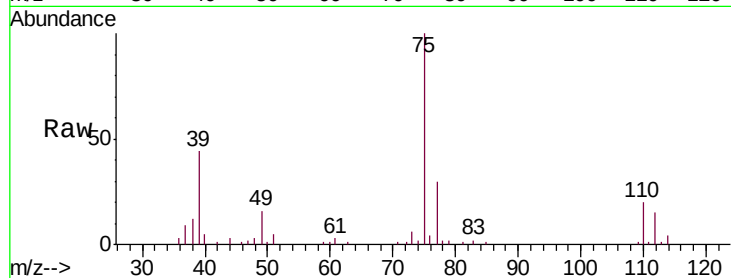
VSTD2.561

Tgt Ion: 75 Resp: 19779

Ion Ratio Lower Upper

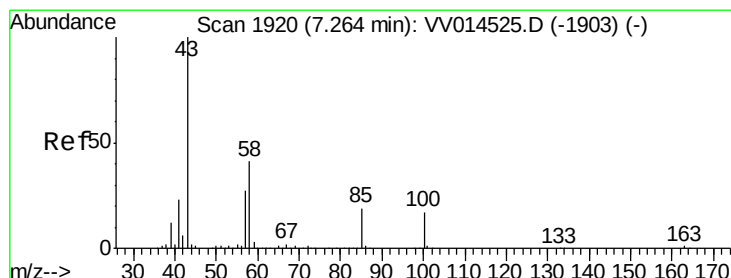
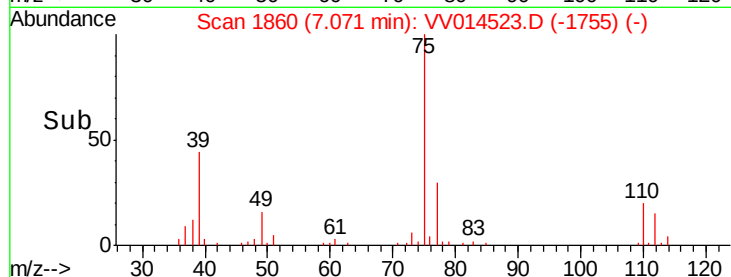
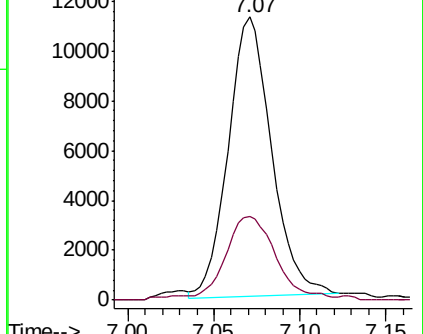
75 100

77 29.7 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#43

4-Methyl-2-pentanone

Concen: 3.539 ug/L

RT: 7.27 min Scan# 1921

Delta R.T. 0.00 min

Lab File: VV014523.D

Acq: 06 Feb 2020 17:37

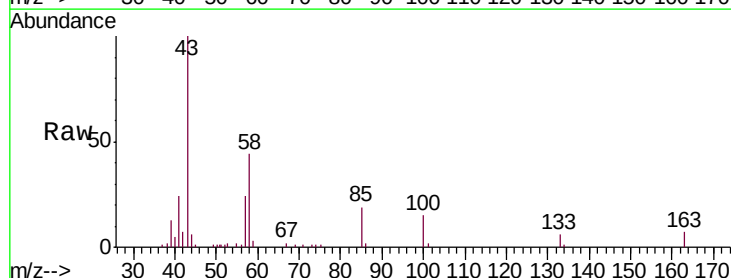
Tgt Ion: 43 Resp: 18597

Ion Ratio Lower Upper

43 100

58 43.3 33.1 49.7

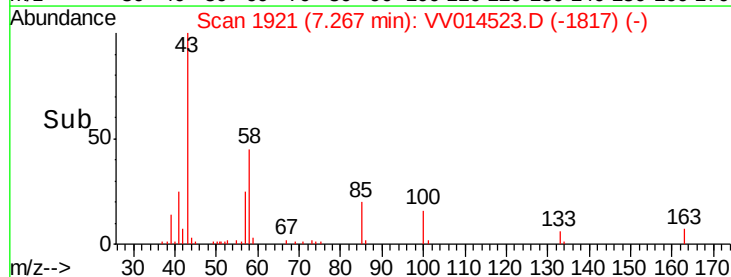
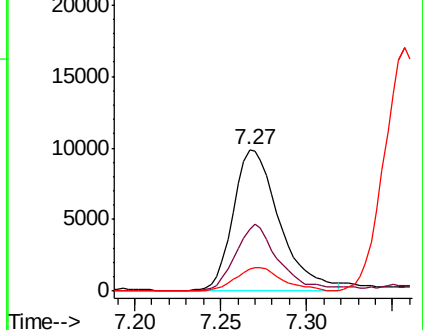
100 16.6 14.0 21.0

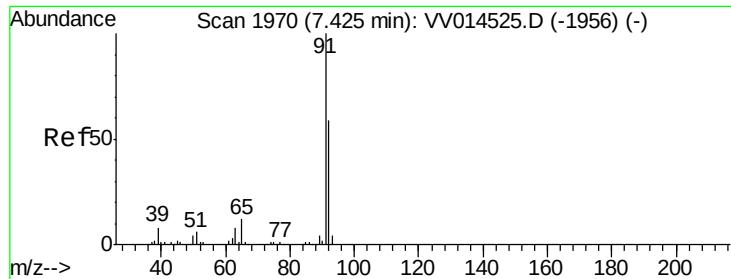


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#44

Toluene

Concen: 2.316 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014523.D

Acq: 06 Feb 2020 17:37

Instrument :

MSVOA_V

ClientSampleId :

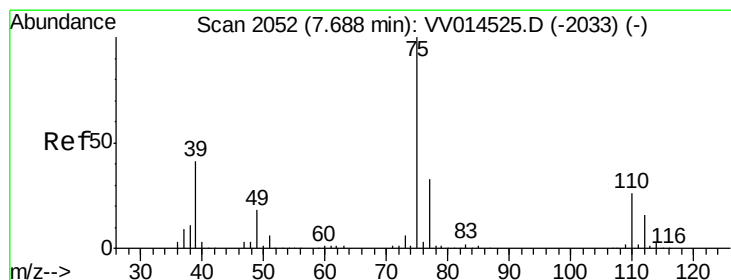
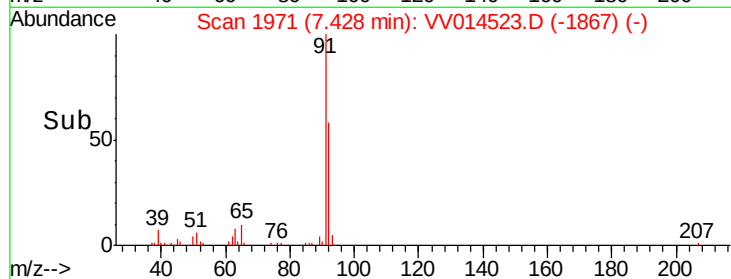
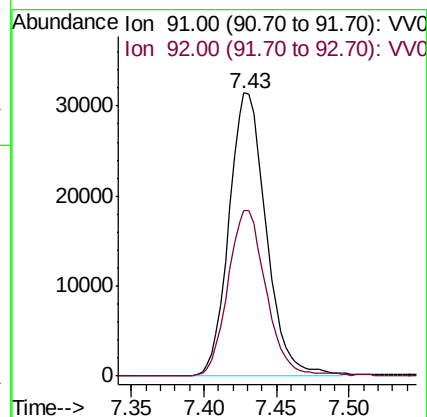
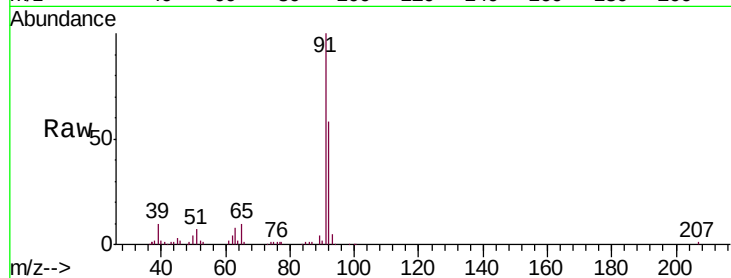
VSTD2.561

Tgt Ion: 91 Resp: 55826

Ion Ratio Lower Upper

91 100

92 58.3 41.0 76.2



#45

trans-1,3-Dichloropropene

Concen: 2.239 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014523.D

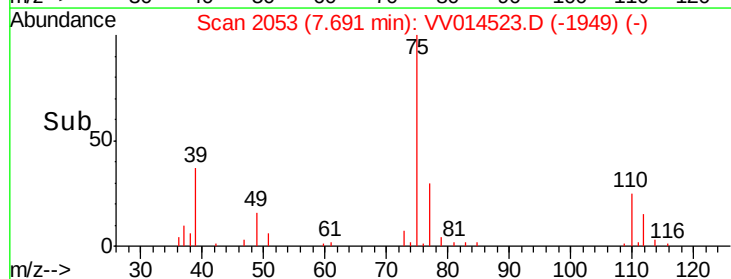
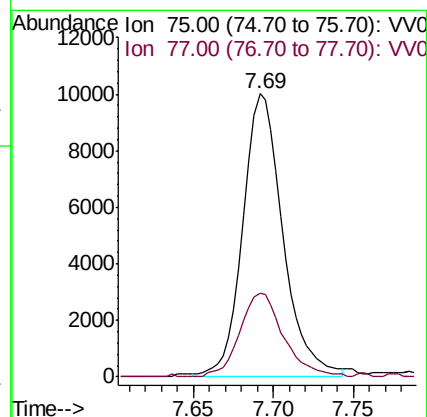
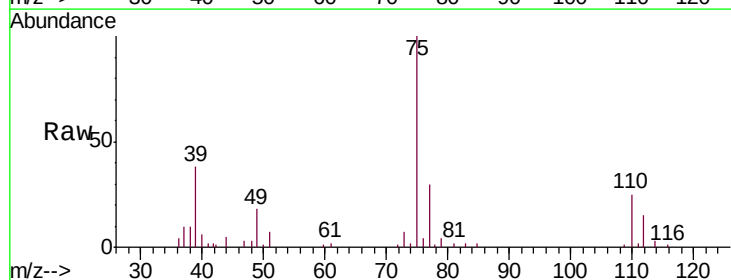
Acq: 06 Feb 2020 17:37

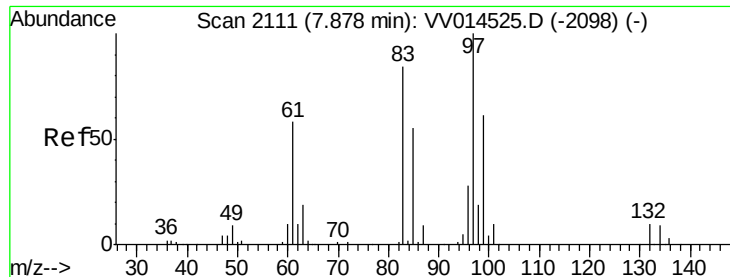
Tgt Ion: 75 Resp: 17179

Ion Ratio Lower Upper

75 100

77 29.8 22.8 42.4

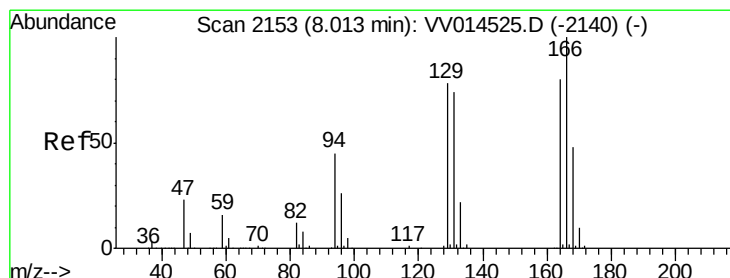
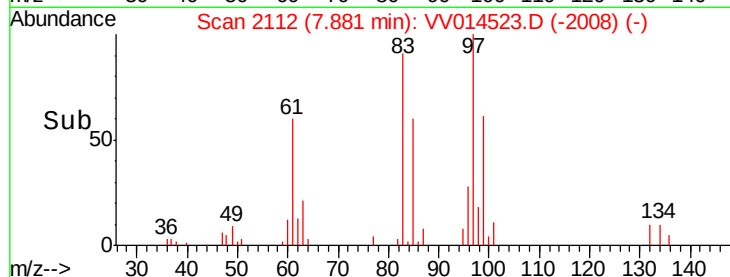
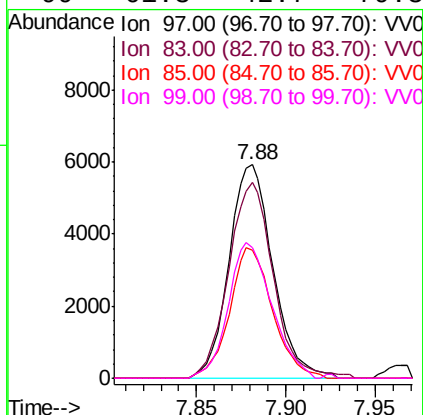
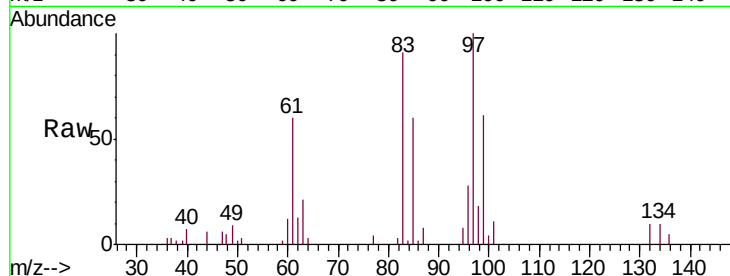




#46
 1,1,2-Trichloroethane
 Concen: 2.123 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV014523.D
 Acq: 06 Feb 2020 17:37

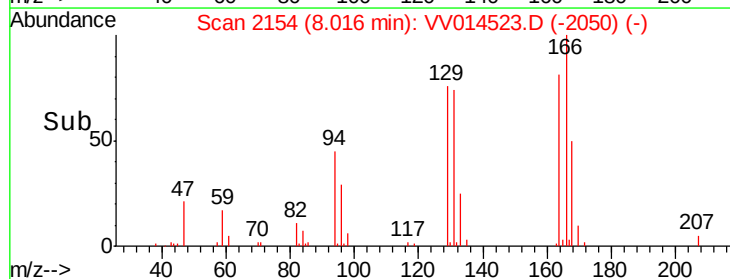
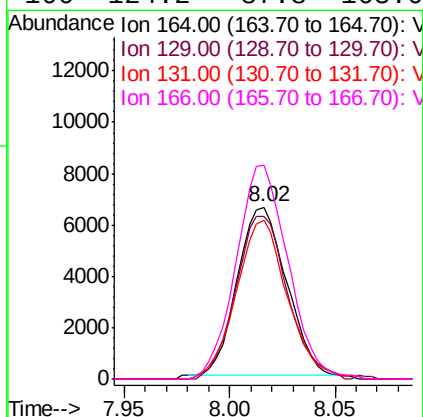
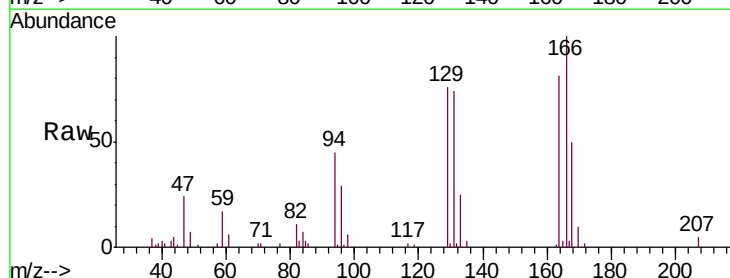
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

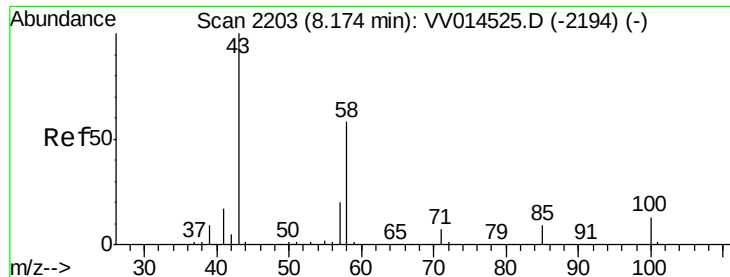
Tgt Ion:	97	Resp:	10137
Ion	Ratio	Lower	Upper
97	100		
83	91.5	59.0	109.6
85	59.6	38.6	71.8
99	61.3	42.7	79.3



#47
 Tetrachloroethene
 Concen: 2.018 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV014523.D
 Acq: 06 Feb 2020 17:37

Tgt Ion:	164	Resp:	10599
Ion	Ratio	Lower	Upper
164	100		
129	94.6	68.7	127.7
131	92.2	64.9	120.5
166	124.2	87.8	163.0





#49

2-Hexanone

Concen: 3.166 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.01 min

Lab File: VV014523.D

Acq: 06 Feb 2020 17:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

Tgt Ion: 43 Resp: 12159

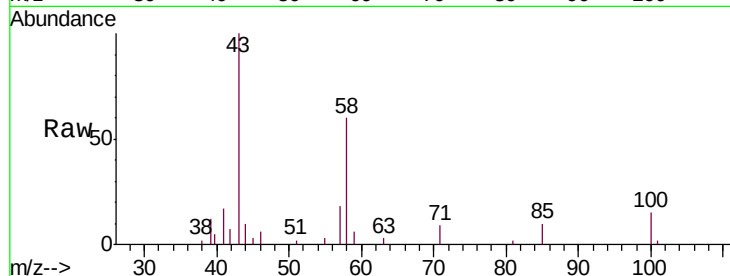
Ion Ratio Lower Upper

43 100

58 67.4 46.9 70.3

57 20.9 15.6 23.4

100 15.1 10.9 16.3

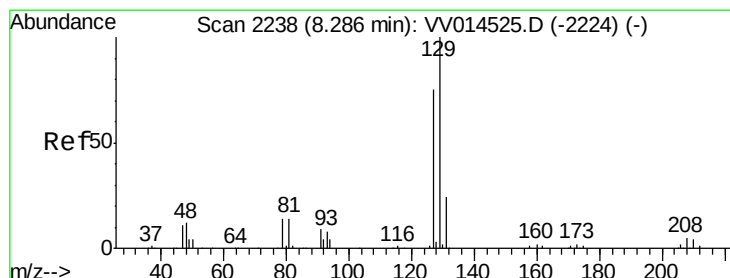
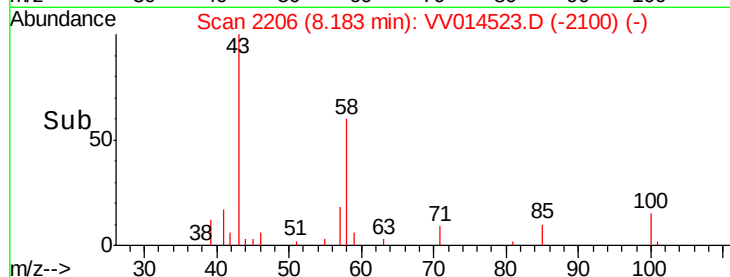
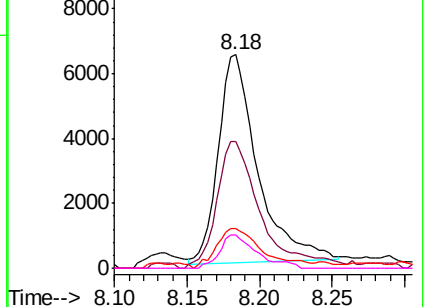


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#50

Dibromochloromethane

Concen: 2.039 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. -0.00 min

Lab File: VV014523.D

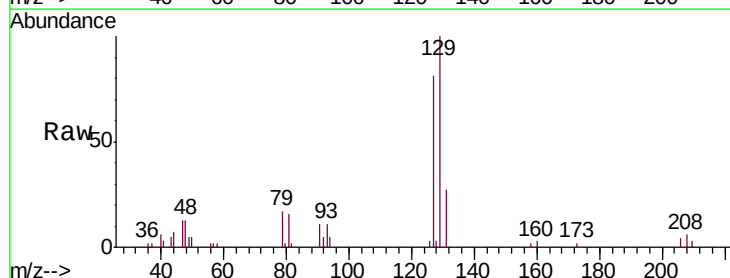
Acq: 06 Feb 2020 17:37

Tgt Ion: 129 Resp: 11635

Ion Ratio Lower Upper

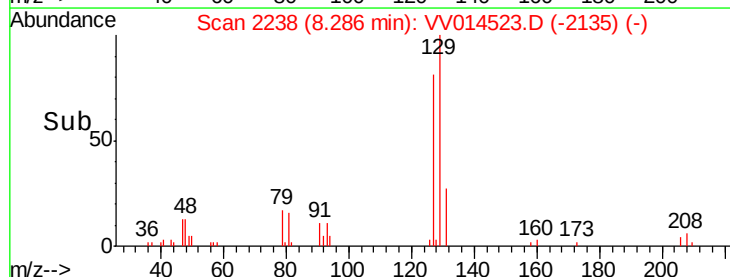
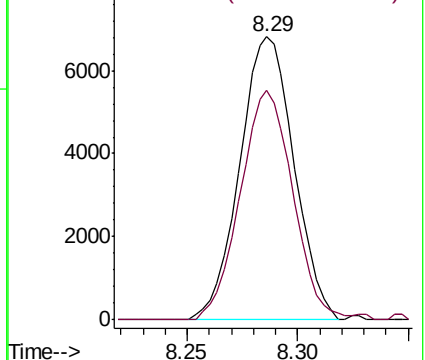
129 100

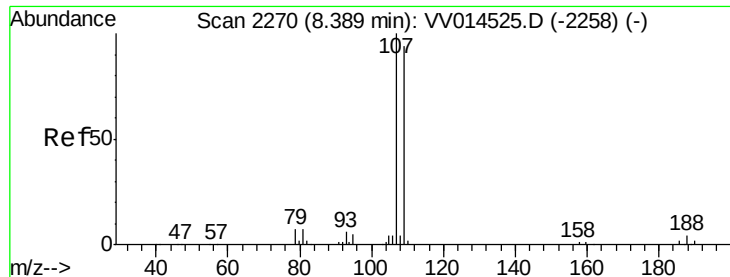
127 81.1 52.5 97.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 2.113 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV014523.D

Acq: 06 Feb 2020 17:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

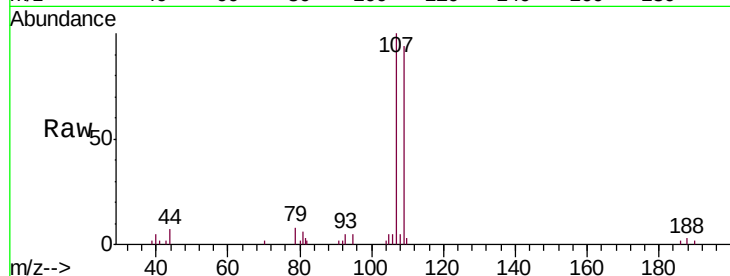
Tgt Ion:107 Resp: 10424

Ion Ratio Lower Upper

107 100

109 93.6 66.0 122.6

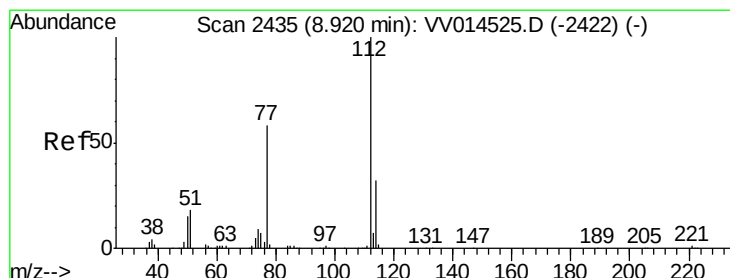
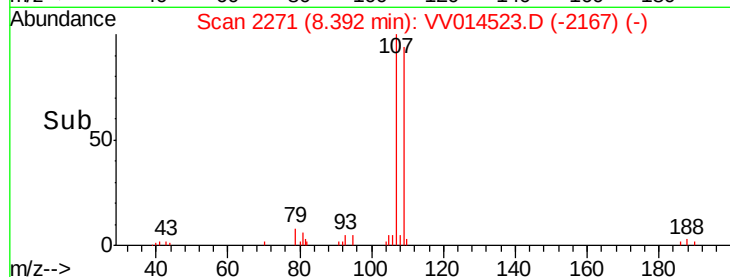
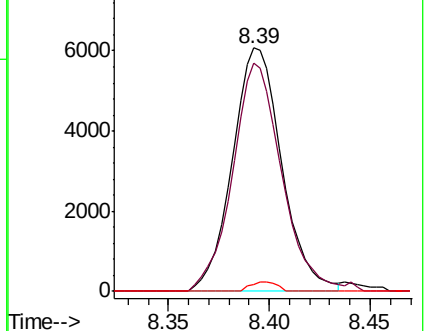
188 2.9 2.9 4.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 2.345 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VV014523.D

Acq: 06 Feb 2020 17:37

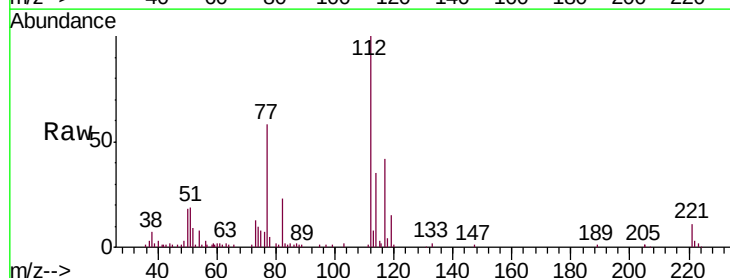
Tgt Ion:112 Resp: 38267

Ion Ratio Lower Upper

112 100

77 58.3 46.7 70.1

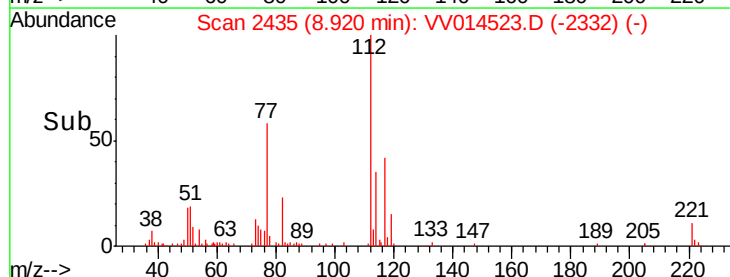
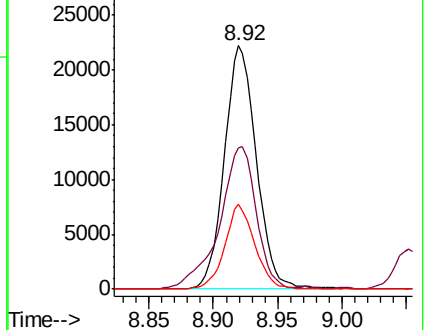
114 34.8 22.7 42.1

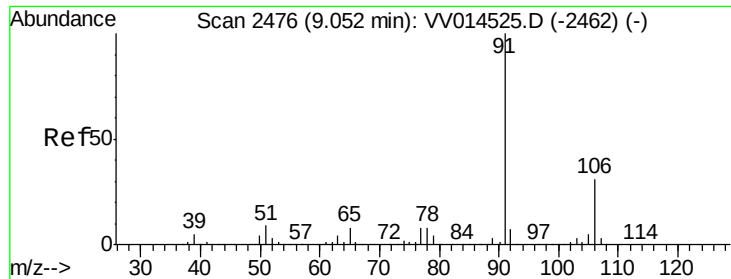


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V

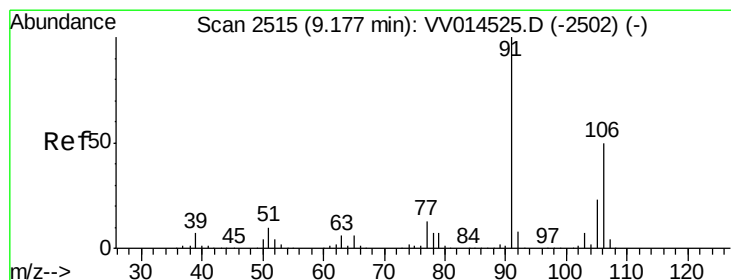
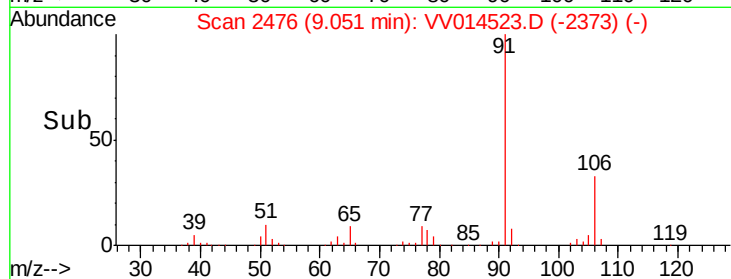
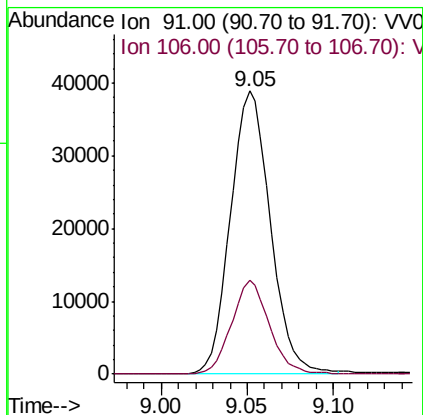
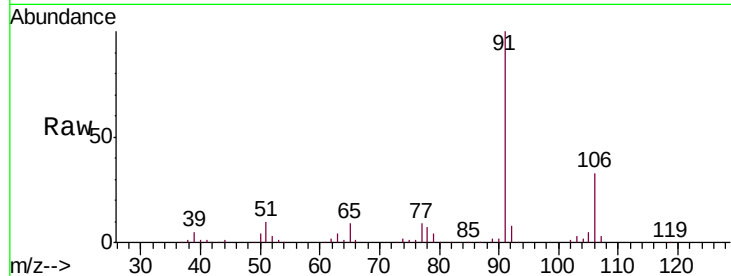




#53
Ethylbenzene
Concen: 2.360 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. -0.00 min
Lab File: VV014523.D
Acq: 06 Feb 2020 17:37

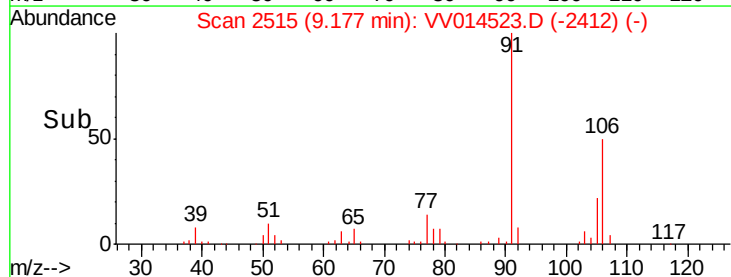
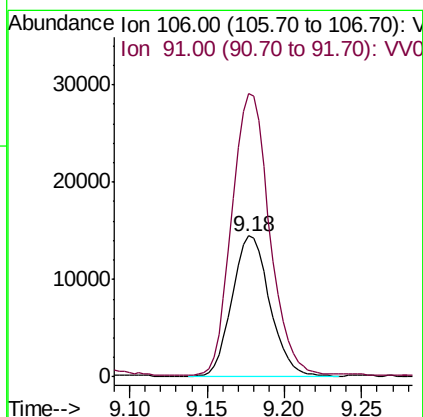
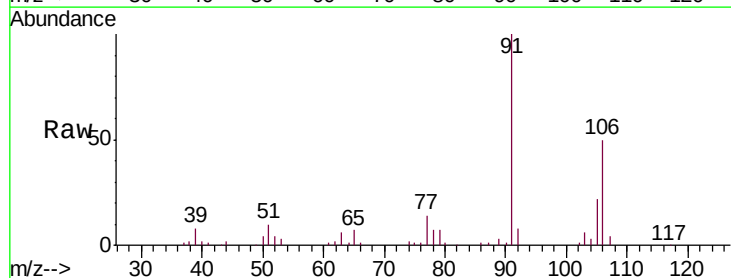
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

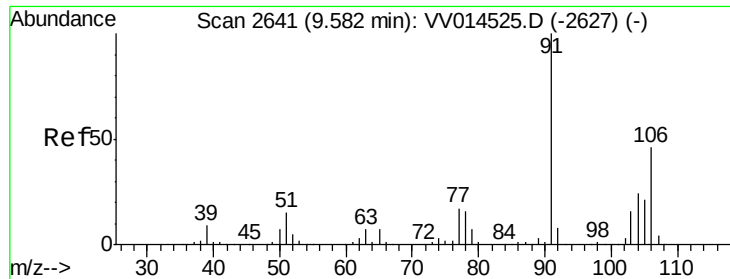
Tgt Ion: 91 Resp: 62696
Ion Ratio Lower Upper
91 100
106 33.3 21.8 40.4



#54
m,p-Xylene
Concen: 2.467 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. -0.00 min
Lab File: VV014523.D
Acq: 06 Feb 2020 17:37

Tgt Ion: 106 Resp: 24686
Ion Ratio Lower Upper
106 100
91 200.5 141.1 262.0

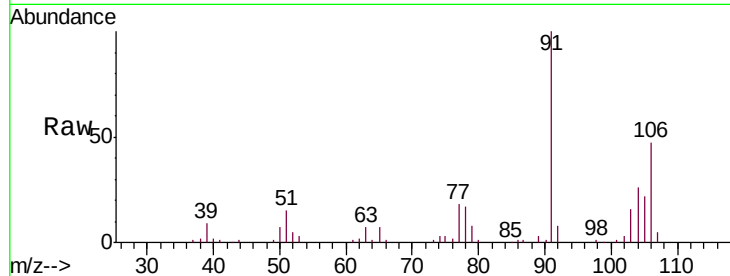




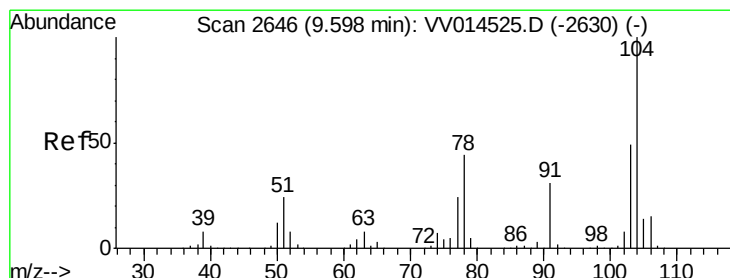
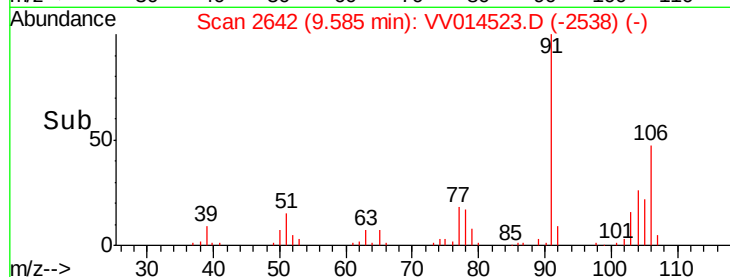
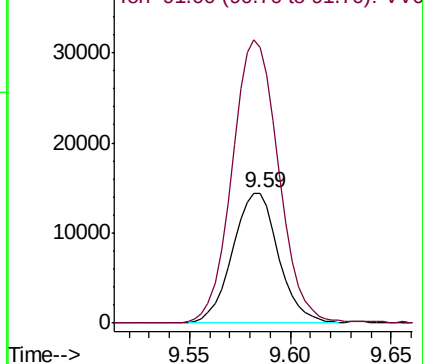
#55
o-xylene
Concen: 2.399 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV014523.D
Acq: 06 Feb 2020 17:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

Tgt Ion:106 Resp: 23023
Ion Ratio Lower Upper
106 100
91 211.3 152.3 282.9

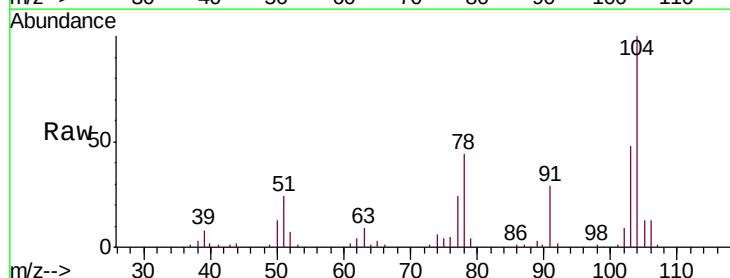


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

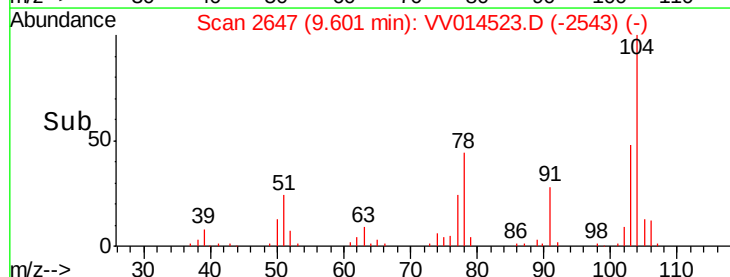
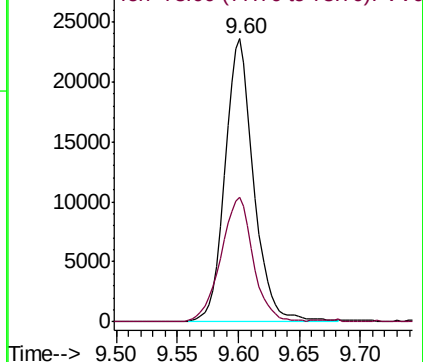


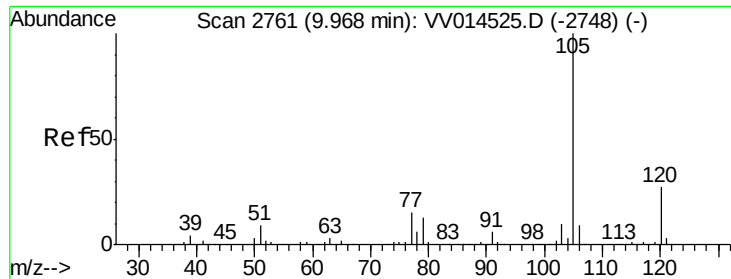
#56
Styrene
Concen: 2.353 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV014523.D
Acq: 06 Feb 2020 17:37

Tgt Ion:104 Resp: 38921
Ion Ratio Lower Upper
104 100
78 44.0 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 2.419 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014523.D

Acq: 06 Feb 2020 17:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

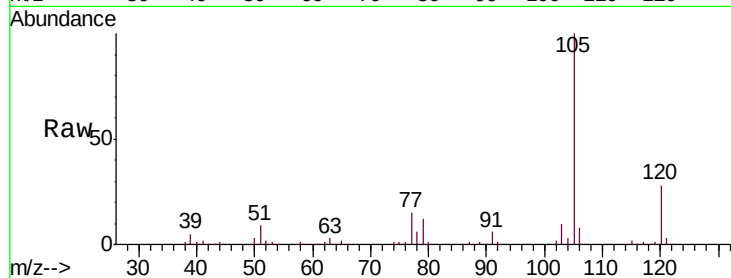
Tgt Ion:105 Resp: 61684

Ion Ratio Lower Upper

105 100

120 27.3 21.4 32.0

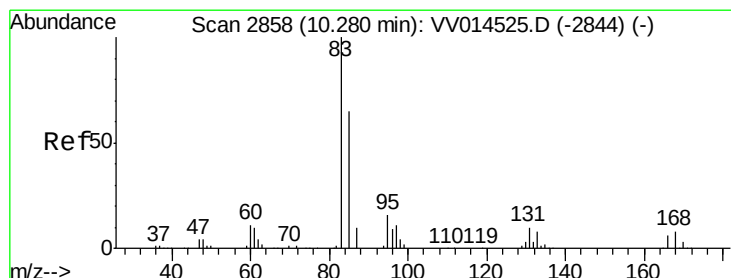
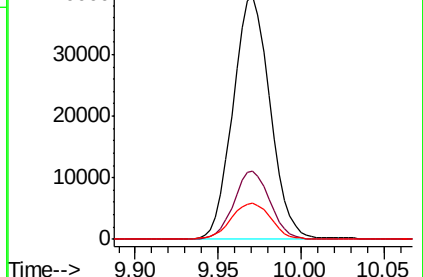
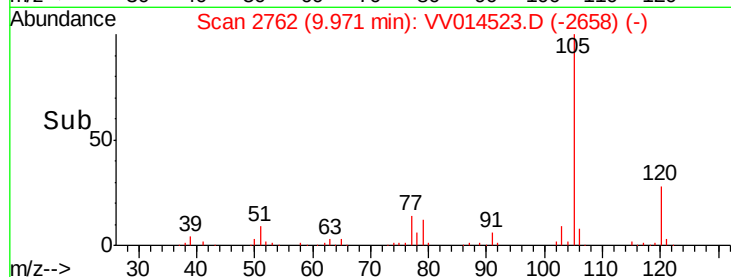
77 15.9 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.201 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014523.D

Acq: 06 Feb 2020 17:37

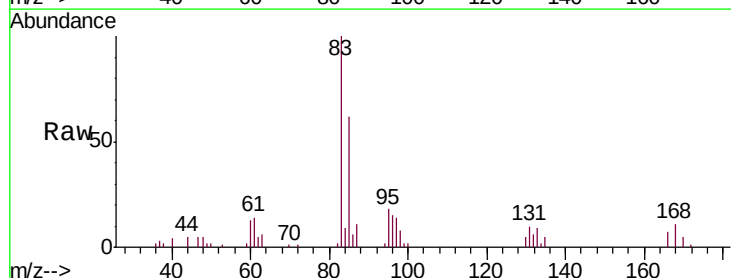
Tgt Ion: 83 Resp: 13588

Ion Ratio Lower Upper

83 100

85 61.8 45.8 85.0

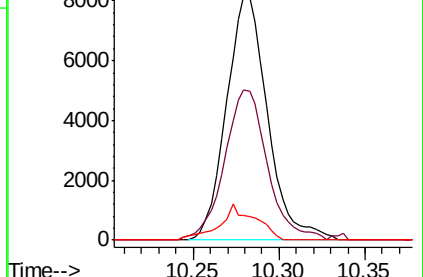
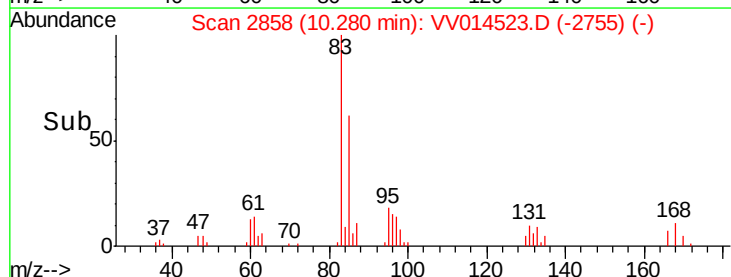
131 10.0 8.1 12.1

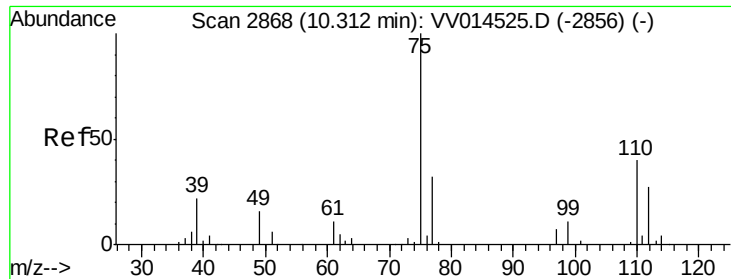


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.103 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014523.D

Acq: 06 Feb 2020 17:37

Instrument :

MSVOA_V

ClientSampleId :

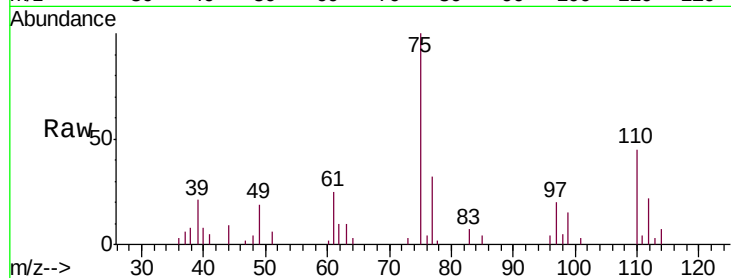
VSTD2.561

Tgt Ion: 75 Resp: 10574

Ion Ratio Lower Upper

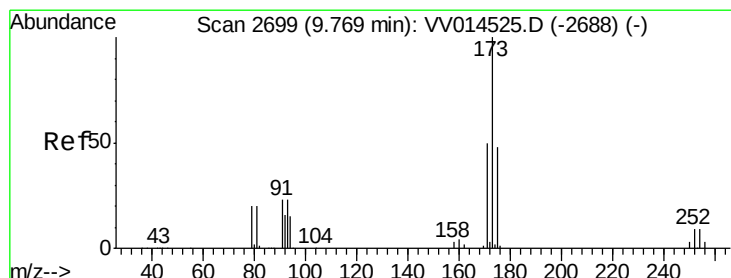
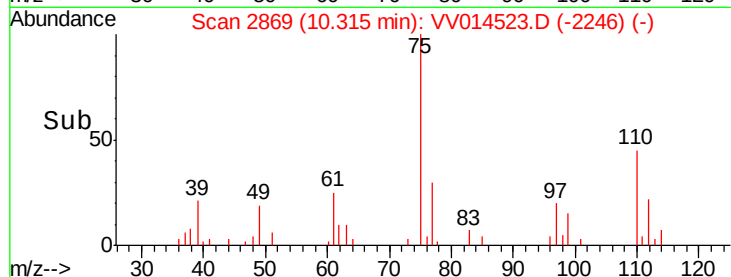
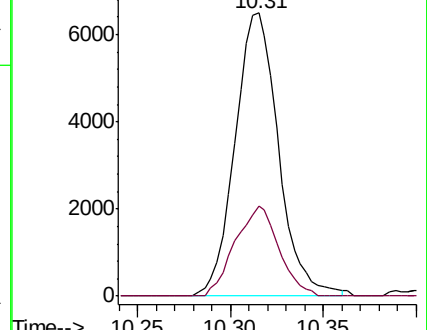
75 100

77 31.9 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV014525.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV014525.D (-2856) (-)



#62

Bromoform

Concen: 1.868 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014523.D

Acq: 06 Feb 2020 17:37

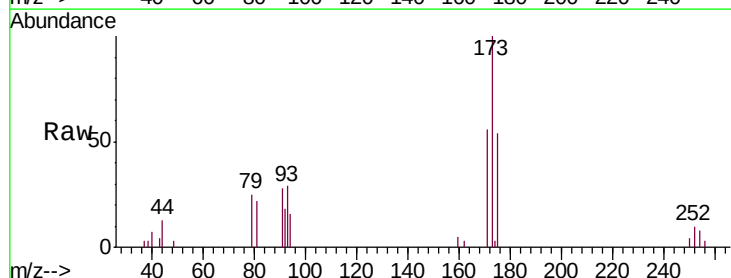
Tgt Ion: 173 Resp: 6661

Ion Ratio Lower Upper

173 100

175 49.9 38.3 57.5

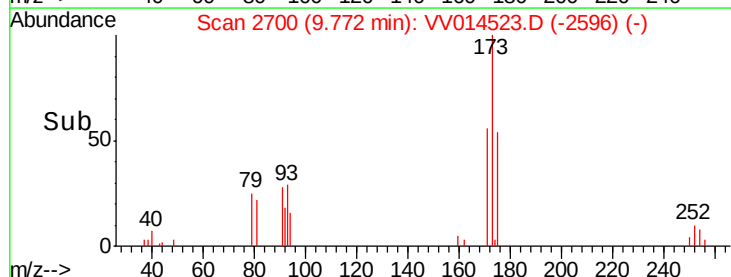
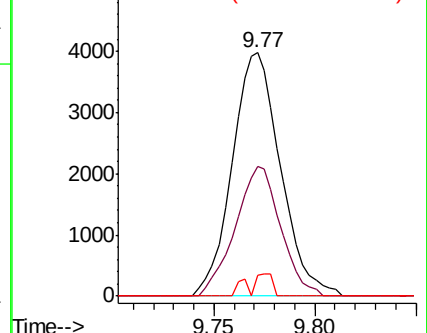
254 3.1 7.0 10.4#

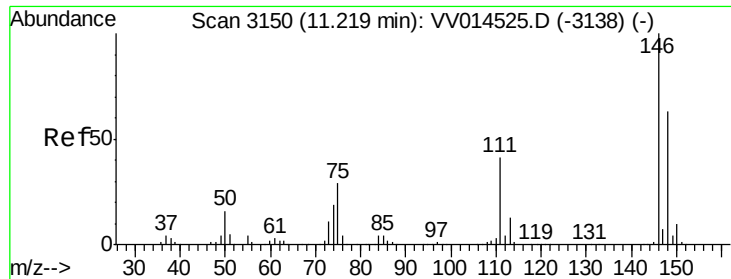


Abundance Ion 173.00 (172.70 to 173.70): VV014525.D (-2688) (-)

Ion 175.00 (174.70 to 175.70): VV014525.D (-2688) (-)

Ion 254.00 (253.70 to 254.70): VV014525.D (-2688) (-)

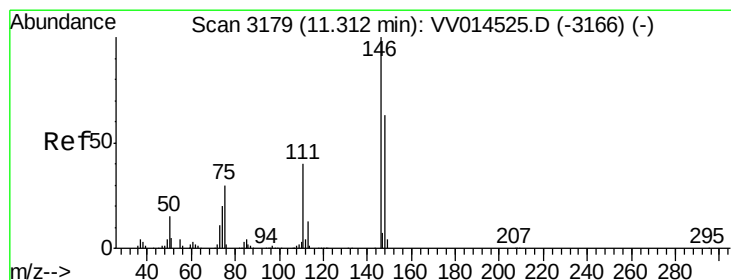
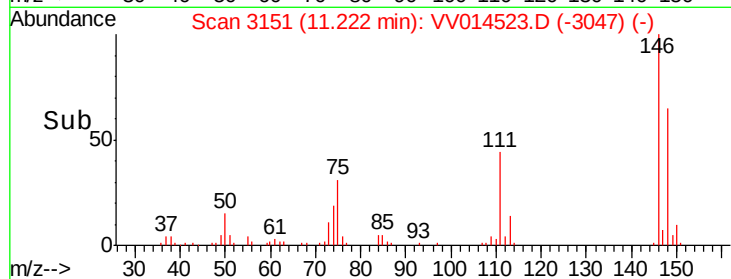
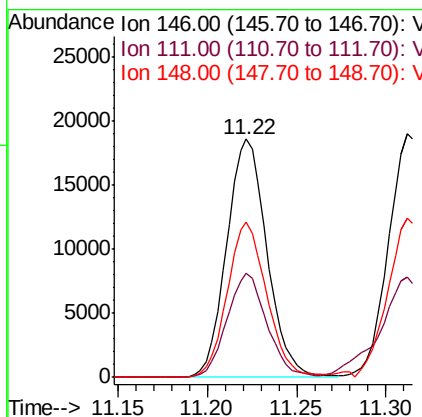
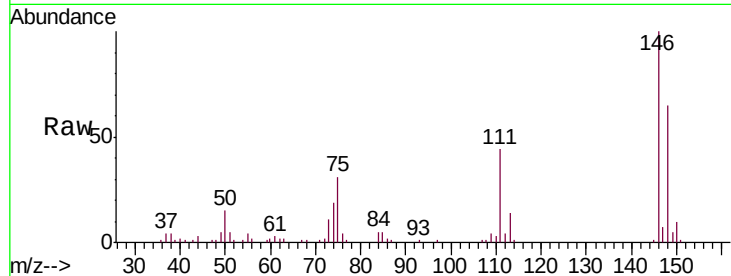




#63
 1,3-Dichlorobenzene
 Concen: 2.302 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014523.D
 Acq: 06 Feb 2020 17:37

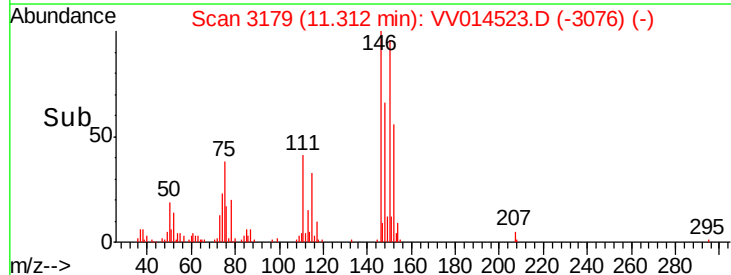
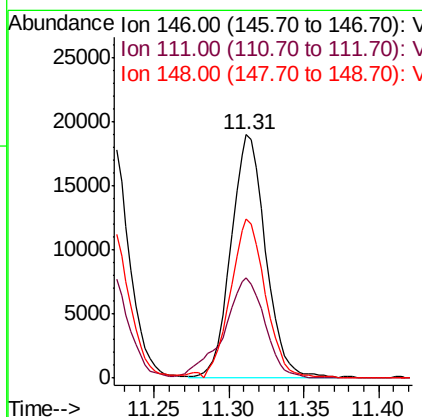
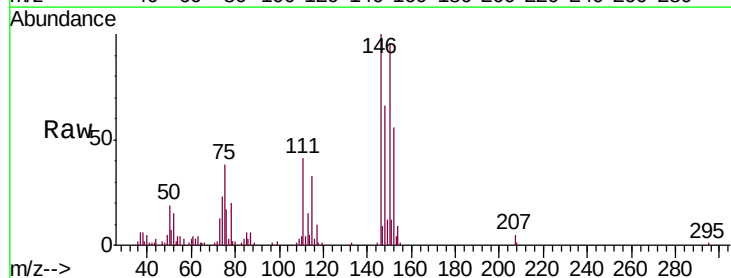
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

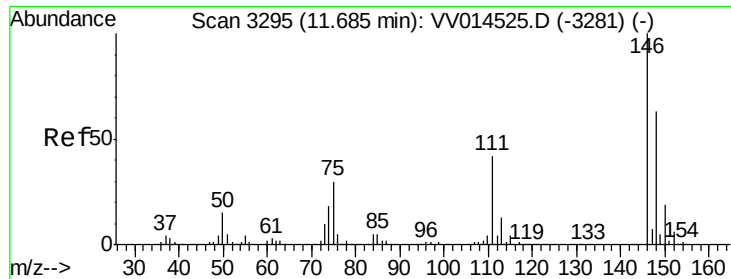
Tgt Ion:146 Resp: 29181
 Ion Ratio Lower Upper
 146 100
 111 43.9 28.6 53.2
 148 65.0 43.8 81.4



#64
 1,4-Dichlorobenzene
 Concen: 2.359 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. -0.00 min
 Lab File: VV014523.D
 Acq: 06 Feb 2020 17:37

Tgt Ion:146 Resp: 30643
 Ion Ratio Lower Upper
 146 100
 111 41.2 28.2 52.4
 148 65.5 44.4 82.4

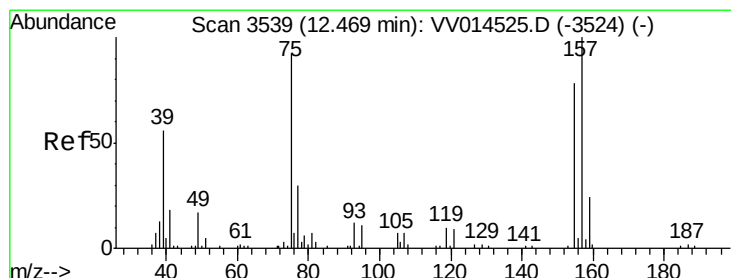
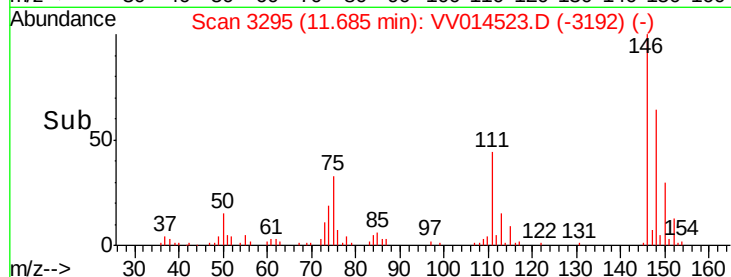
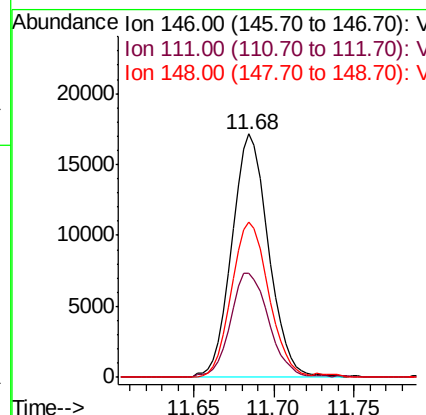
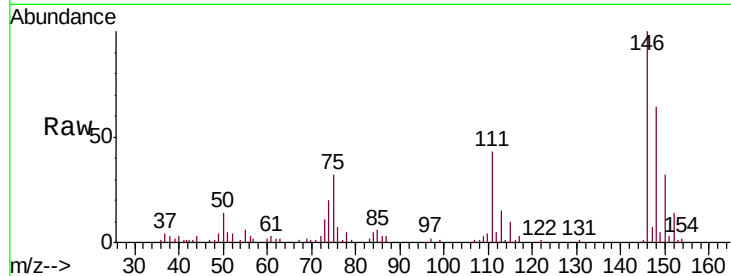




#65
 1,2-Dichlorobenzene
 Concen: 2.277 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014523.D
 Acq: 06 Feb 2020 17:37

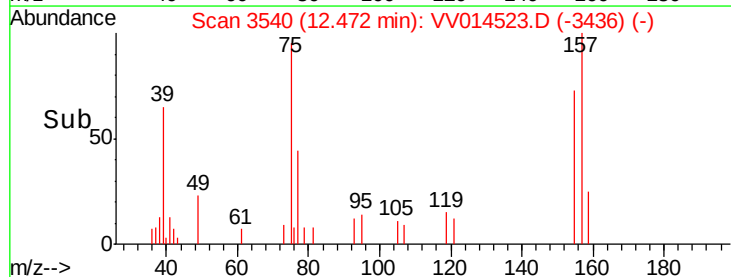
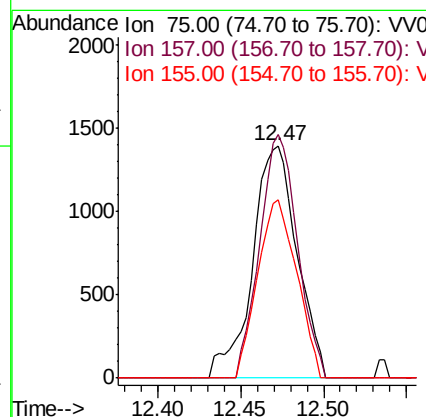
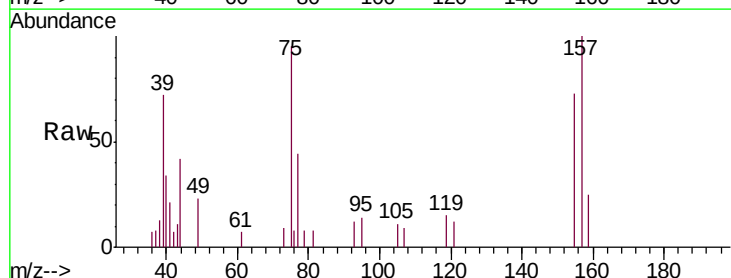
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

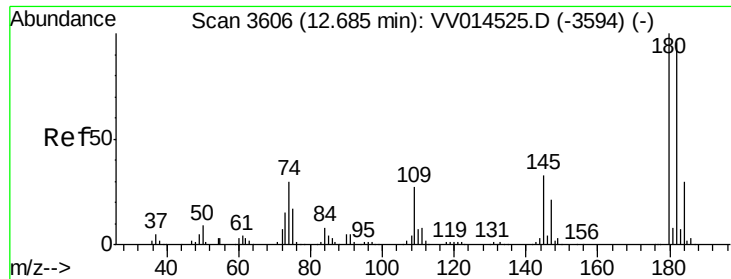
Tgt Ion: 146 Resp: 26817
 Ion Ratio Lower Upper
 146 100
 111 42.7 33.9 50.9
 148 64.0 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.394 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV014523.D
 Acq: 06 Feb 2020 17:37

Tgt Ion: 75 Resp: 2594
 Ion Ratio Lower Upper
 75 100
 157 104.9 86.6 129.8
 155 76.8 67.4 101.0

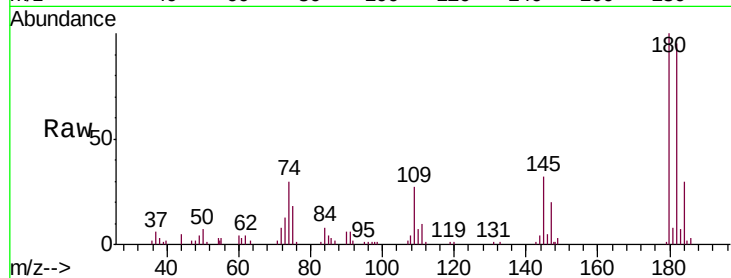




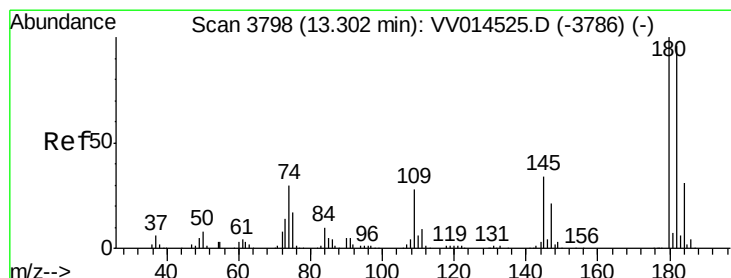
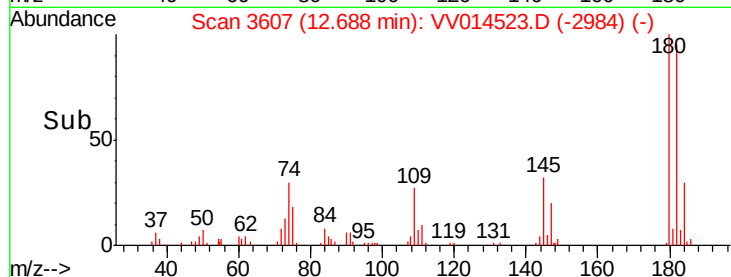
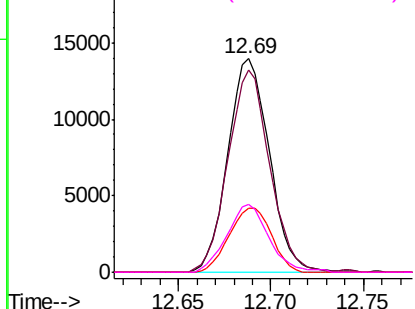
#67
 1,3,5-Trichlorobenzene
 Concen: 2.210 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014523.D
 Acq: 06 Feb 2020 17:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

Tgt Ion:180 Resp: 21752
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.4 113.0
 184 30.5 24.0 36.0
 145 31.8 25.3 37.9

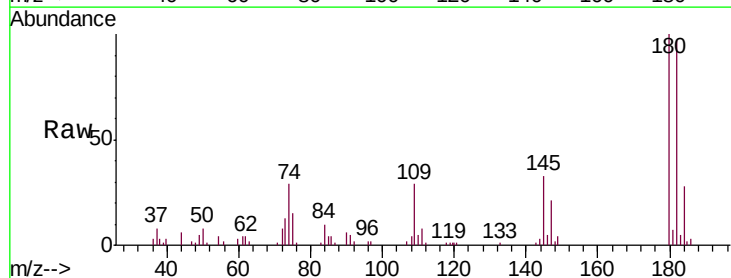


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

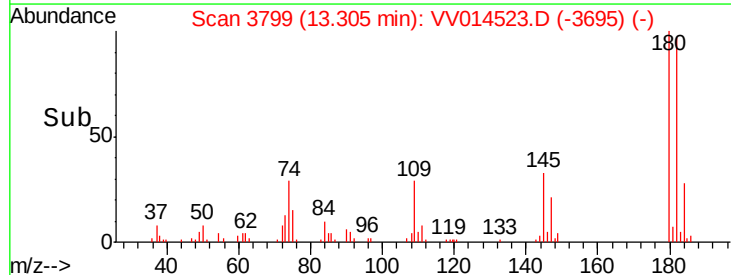
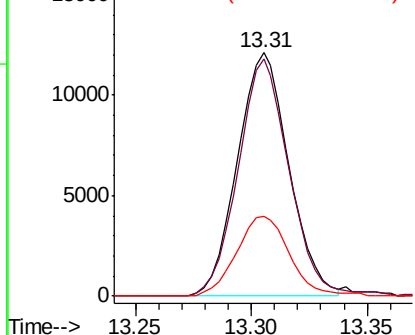


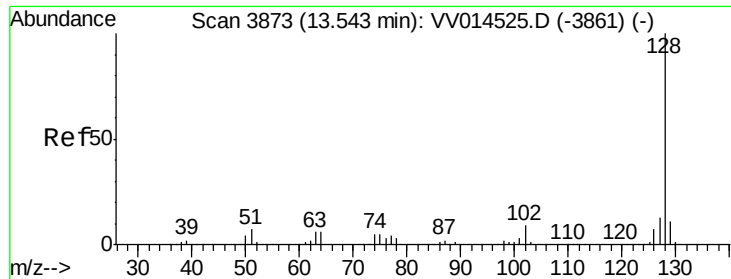
#68
 1,2,4-trichlorobenzene
 Concen: 2.193 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014523.D
 Acq: 06 Feb 2020 17:37

Tgt Ion:180 Resp: 18704
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.7 115.1
 145 33.2 26.8 40.2



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





#69

Naphthalene

Concen: 2.566 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014523.D

Acq: 06 Feb 2020 17:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

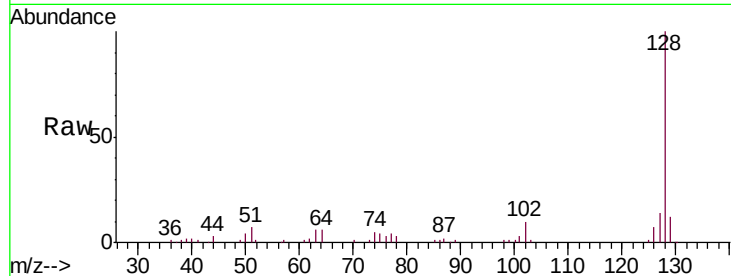
Tgt Ion:128 Resp: 43244

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

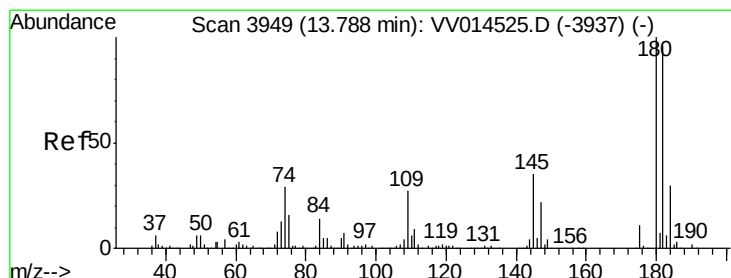
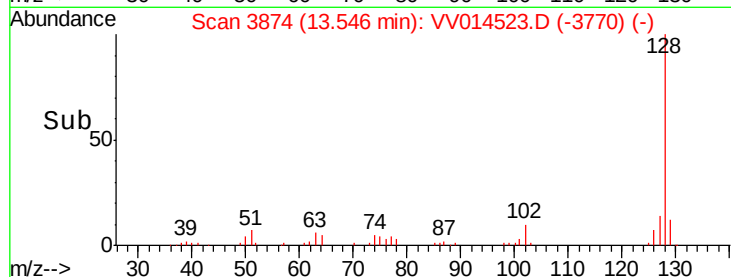
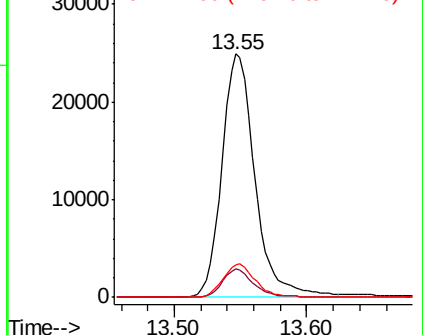
127 13.3 10.2 15.2



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: 2.213 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV014523.D

Acq: 06 Feb 2020 17:37

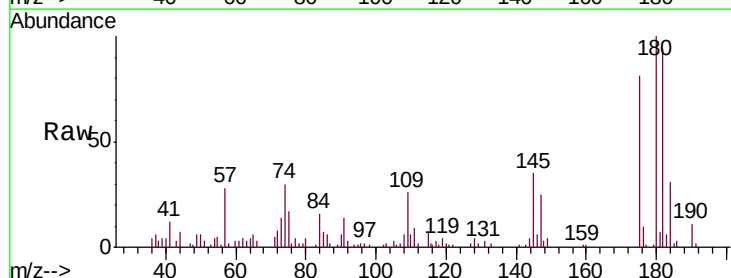
Tgt Ion:180 Resp: 17355

Ion Ratio Lower Upper

180 100

182 94.4 76.2 114.4

145 35.2 27.8 41.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

