

Data File : VV010688.D
Acq On : 07 May 2019 11:17
Operator : SY/MD
Sample : VSTD2.561
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

Quant Time: May 08 02:30:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis
QLast Update : Wed May 08 02:27:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	100998	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	100622	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	44808	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	3983	2.54	ug/L	0.00
7) Chloroethane-d5	1.57	69	3311	2.56	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	8841	2.60	ug/L	0.00
20) 2-Butanone-d5	3.94	46	1999	4.13	ug/L	0.00
24) Chloroform-d	4.40	84	6307	2.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	4117	2.39	ug/L	0.00
29) Benzene-d6	5.10	84	12833	2.42	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.11	67	4199	2.49	ug/L	0.00
37) Toluene-d8	7.36	98	11699	2.31	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	1674	2.18	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	1462	4.14	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	3561	2.25	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	4428	2.55	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3532	2.525 ug/L	91
3) Chloromethane	1.25	50	4311	2.533 ug/L	97
5) Vinyl chloride	1.32	62	4835	2.447 ug/L	100
6) Bromomethane	1.51	94	2950	3.079 ug/L	96
8) Chloroethane	1.59	64	3315	2.694 ug/L	87
9) Trichlorofluoromethane	1.76	101	7693	2.587 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4136	2.436 ug/L	93
12) 1,1-Dichloroethene	2.14	96	4098	2.577 ug/L	95
13) Acetone	2.19	43	3616	4.961 ug/L	96
14) Carbon disulfide	2.31	76	9247	2.367 ug/L	97
15) Methyl Acetate	2.46	43	2210	2.538 ug/L #	70
16) Methylene chloride	2.53	84	4045	2.590 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	8655	2.174 ug/L	93
18) trans-1,2-Dichloroethene	2.79	96	3393	2.361 ug/L	84
19) 1,1-Dichloroethane	3.23	63	6296	2.269 ug/L	99
21) 2-Butanone	4.03	43	2502	3.571 ug/L #	76
22) cis-1,2-Dichloroethene	3.96	96	3883	2.365 ug/L	93
23) Bromochloromethane	4.30	128	1556	2.108 ug/L	85
25) Chloroform	4.43	83	7380	2.414 ug/L	100
27) 1,2-Dichloroethane	5.18	62	5238	2.344 ug/L	97
30) Cyclohexane	4.73	56	6079	2.409 ug/L #	90
31) 1,1,1-Trichloroethane	4.66	97	6159	2.455 ug/L	94
32) Carbon tetrachloride	4.87	117	5013	2.294 ug/L	99
34) Benzene	5.15	78	13585	2.300 ug/L	100
35) Trichloroethene	5.96	95	3964	2.396 ug/L #	65
36) Methylcyclohexane	6.17	83	6322	2.384 ug/L	97
40) 1,2-Dichloropropane	6.22	63	3539	2.252 ug/L #	87
41) Bromodichloromethane	6.55	83	4808	2.227 ug/L #	98
42) cis-1,3-Dichloropropene	7.07	75	4703	1.892 ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	5802	4.386 ug/L #	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	14913	2.223	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	4179	1.997	ug/L	92
46) 1,1,2-Trichloroethane	7.88	97	3086	2.391	ug/L	91
47) Tetrachloroethene	8.02	164	2755	2.299	ug/L	87
49) 2-Hexanone	8.19	43	3853	3.831	ug/L #	93
50) Dibromochloromethane	8.29	129	3065	2.065	ug/L	83
51) 1,2-Dibromoethane	8.40	107	2749	2.205	ug/L #	96
52) Chlorobenzene	8.92	112	9999	2.281	ug/L	94
53) Ethylbenzene	9.05	91	17390	2.236	ug/L	98
54) m,p-Xylene	9.19	106	6326	2.177	ug/L	100
55) o-xylene	9.59	106	6061	2.103	ug/L	94
56) Styrene	9.60	104	9711	1.992	ug/L	96
57) Isopropylbenzene	9.97	105	16097	2.093	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	3646	2.156	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	2984	2.261	ug/L	98
62) Bromoform	9.77	173	1559	2.043	ug/L #	96
63) 1,3-Dichlorobenzene	11.23	146	7404	2.374	ug/L	93
64) 1,4-Dichlorobenzene	11.32	146	7758	2.435	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	7407	2.445	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.69	75	1052	3.742	ug/L #	7
67) 1,3,5-Trichlorobenzene	12.69	180	5321	2.368	ug/L	96
68) 1,2,4-trichlorobenzene	13.32	180	3547	2.040	ug/L	95
69) Naphthalene	13.55	128	6184	1.662	ug/L #	89
70) 1,2,3-Trichlorobenzene	13.79	180	3222	1.976	ug/L	97

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

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Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

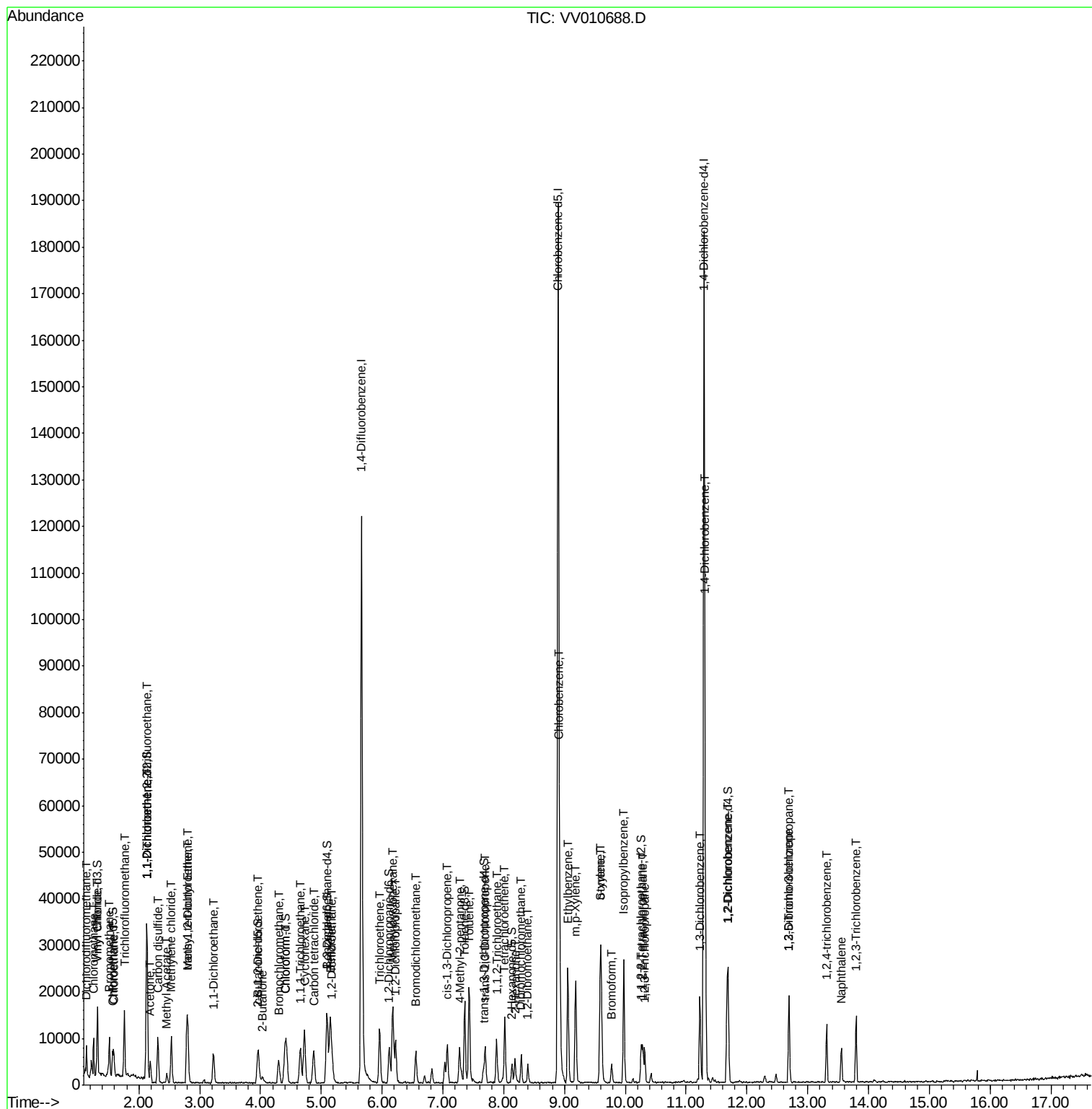
Quant Time: May 08 02:30:29 2019

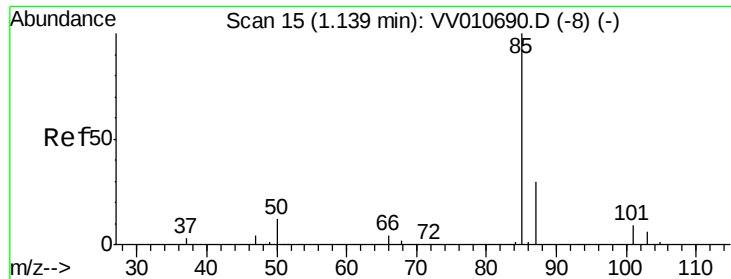
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM050719S.M

Quant Title : VOC Analysis

QLast Update : Wed May 08 02:27:44 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.525 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV010688.D

Acq: 07 May 2019 11:17

Instrument :

MSVOA_V

ClientSampleId :

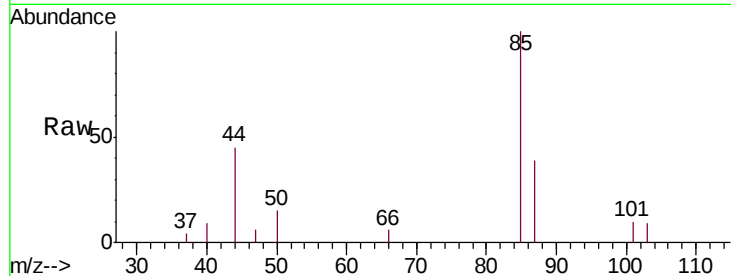
VSTD2.561

Tgt Ion: 85 Resp: 3532

Ion Ratio Lower Upper

85 100

87 36.5 21.9 40.7

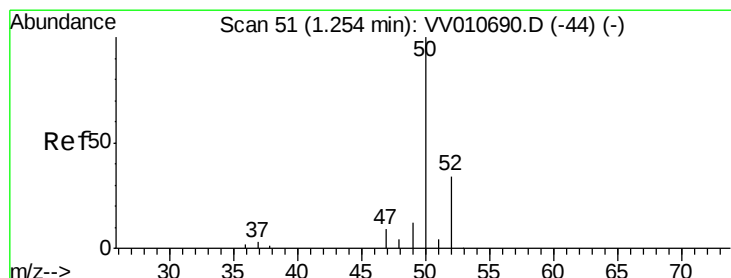
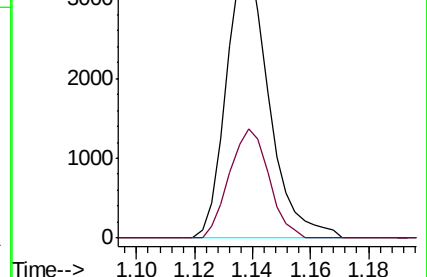
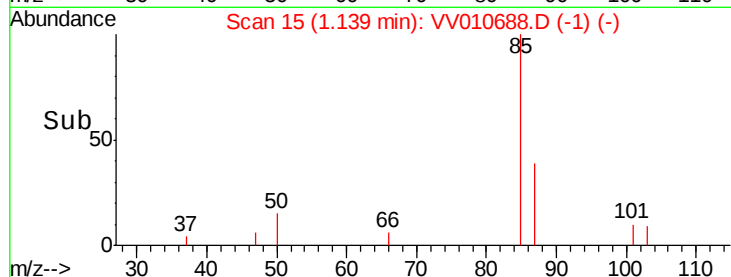


Abundance Ion 85.00 (84.70 to 85.70): VV010690.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV010690.D (-8) (-)

1.14

Time-->



#3

Chloromethane

Concen: 2.533 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV010688.D

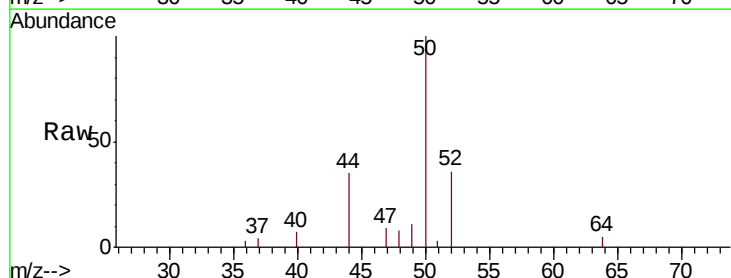
Acq: 07 May 2019 11:17

Tgt Ion: 50 Resp: 4311

Ion Ratio Lower Upper

50 100

52 35.6 23.7 43.9

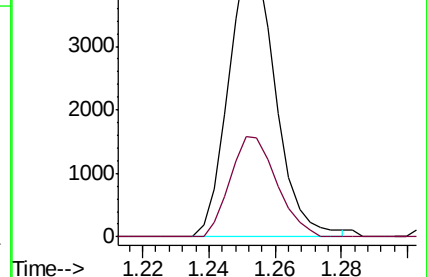
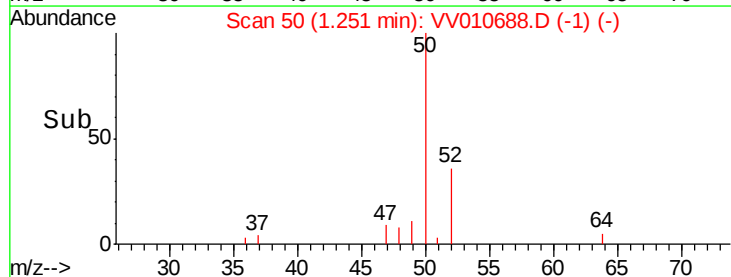


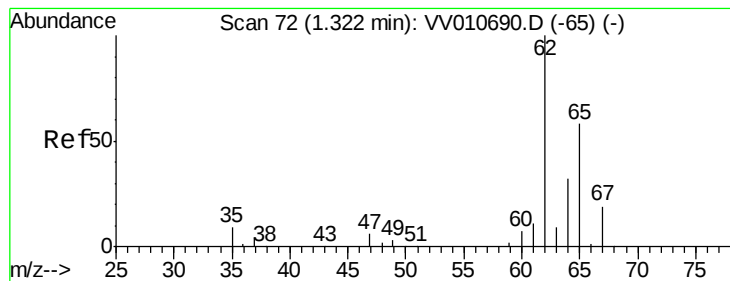
Abundance Ion 50.00 (49.70 to 50.70): VV010690.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV010690.D (-44) (-)

1.25

Time-->





#5

Vinyl chloride

Concen: 2.447 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV010688.D

Acq: 07 May 2019 11:17

Instrument :

MSVOA_V

ClientSampleId :

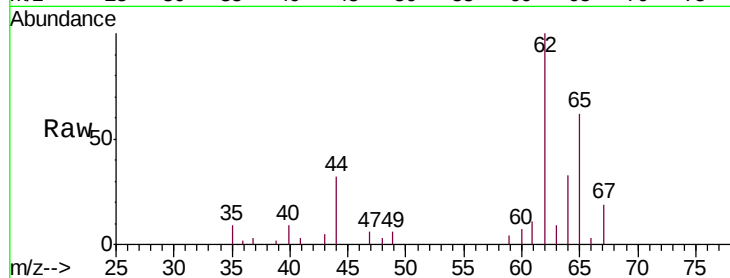
VSTD2.561

Tgt Ion: 62 Resp: 4835

Ion Ratio Lower Upper

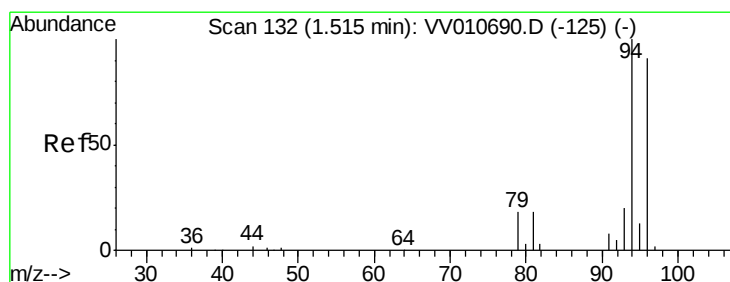
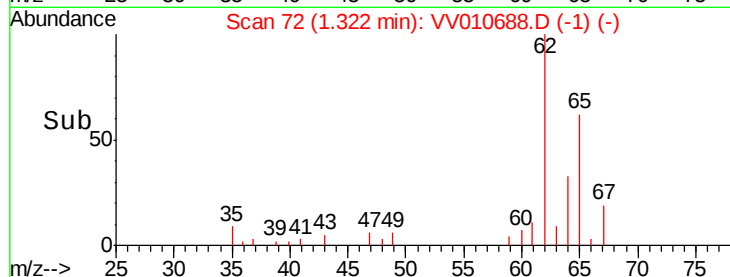
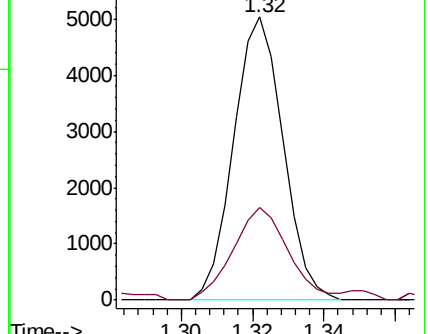
62 100

64 32.6 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV010690.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV010690.D (-65) (-)



#6

Bromomethane

Concen: 3.079 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV010688.D

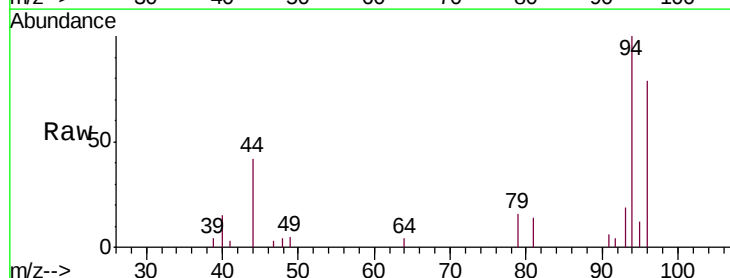
Acq: 07 May 2019 11:17

Tgt Ion: 94 Resp: 2950

Ion Ratio Lower Upper

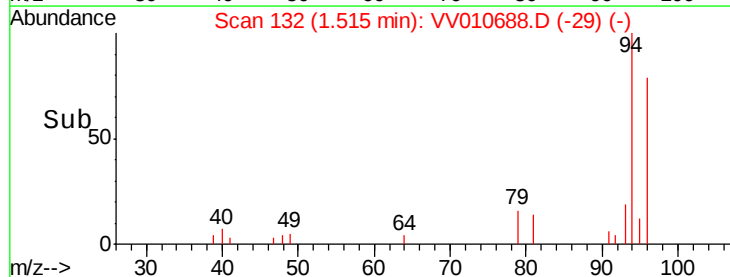
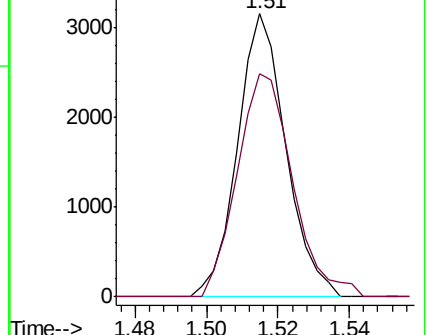
94 100

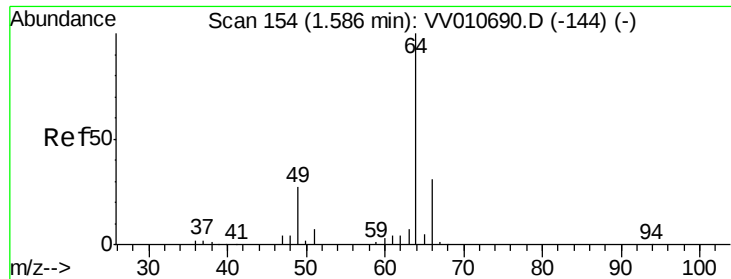
96 90.4 9.4 179.0



Abundance Ion 94.00 (93.70 to 94.70): VV010690.D (-125) (-)

Ion 96.00 (95.70 to 96.70): VV010690.D (-125) (-)





#8

Chloroethane

Concen: 2.694 ug/L

RT: 1.59 min Scan# 154

Delta R.T. 0.00 min

Lab File: VV010688.D

Acq: 07 May 2019 11:17

Instrument :

MSVOA_V

ClientSampleId :

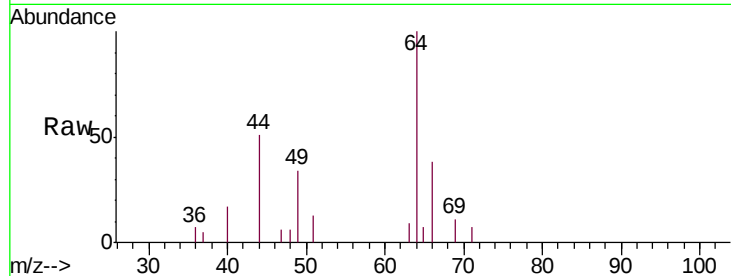
VSTD2.561

Tgt Ion: 64 Resp: 3315

Ion Ratio Lower Upper

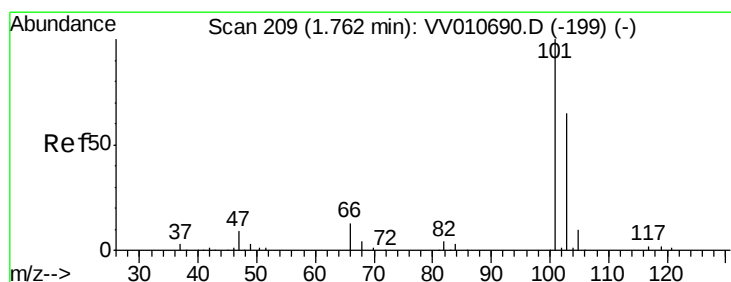
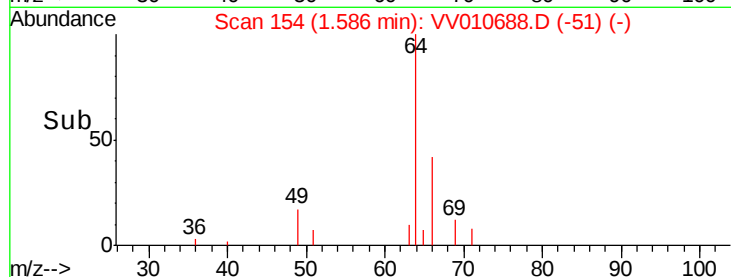
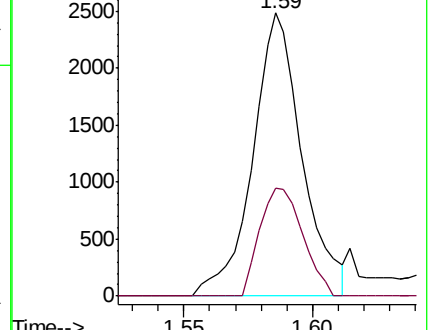
64 100

66 38.3 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VV010690.D (-144) (-)

Ion 66.00 (65.70 to 66.70): VV010690.D (-144) (-)



#9

Trichlorofluoromethane

Concen: 2.587 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV010688.D

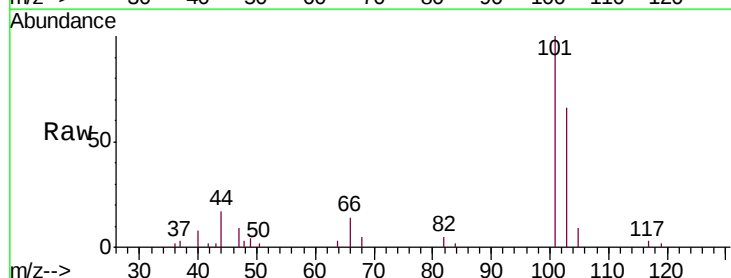
Acq: 07 May 2019 11:17

Tgt Ion: 101 Resp: 7693

Ion Ratio Lower Upper

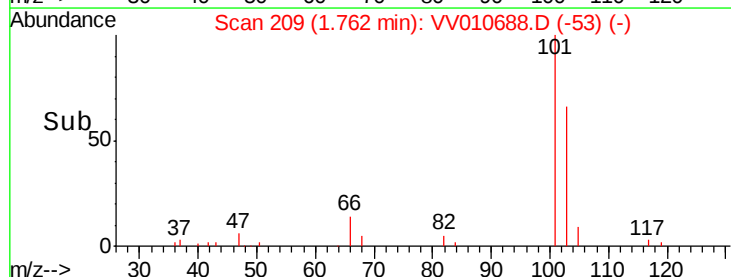
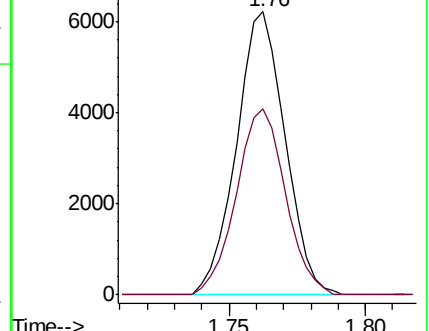
101 100

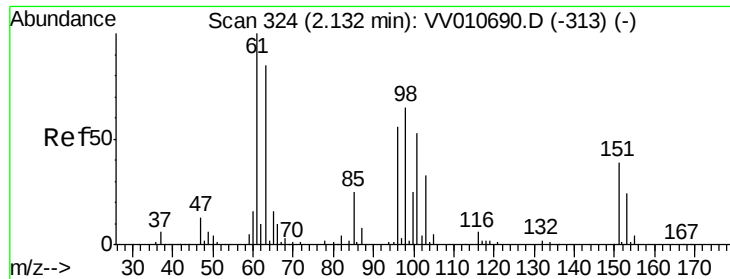
103 66.4 44.7 82.9



Abundance Ion 101.00 (100.70 to 101.70): VV010690.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV010690.D (-199) (-)





#11

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

Concen: 2.436 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010688.D

Acq: 07 May 2019 11:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

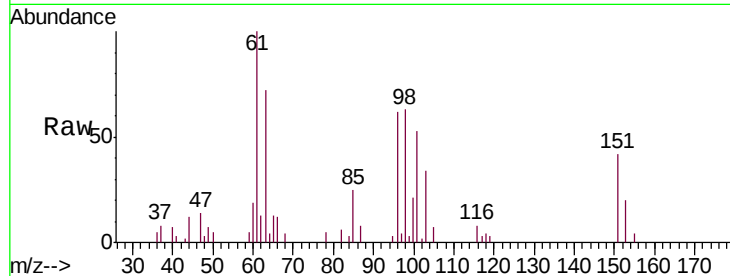
Tgt Ion:101 Resp: 4136

Ion Ratio Lower Upper

101 100

85 52.0 36.0 54.0

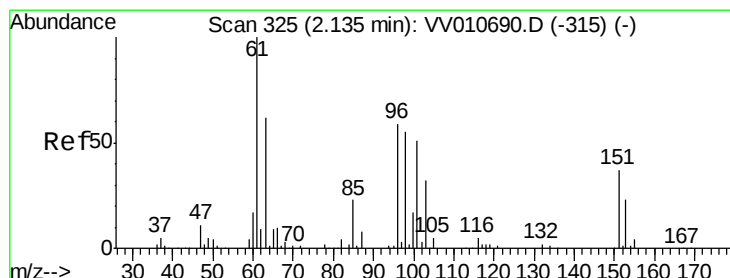
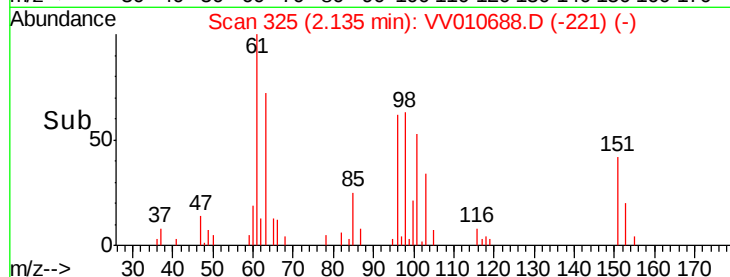
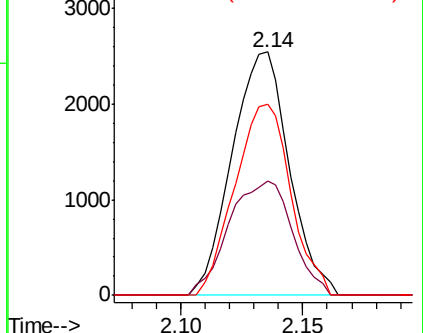
151 77.0 58.5 87.7



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: 2.577 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010688.D

Acq: 07 May 2019 11:17

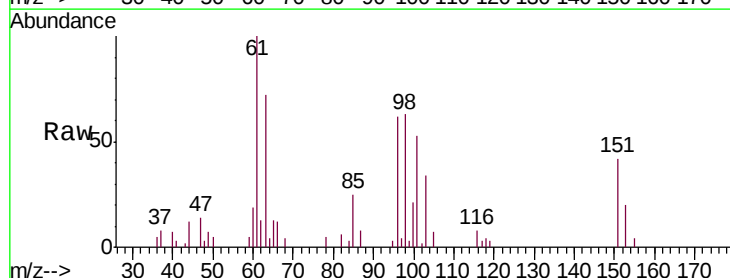
Tgt Ion: 96 Resp: 4098

Ion Ratio Lower Upper

96 100

61 162.0 120.3 223.3

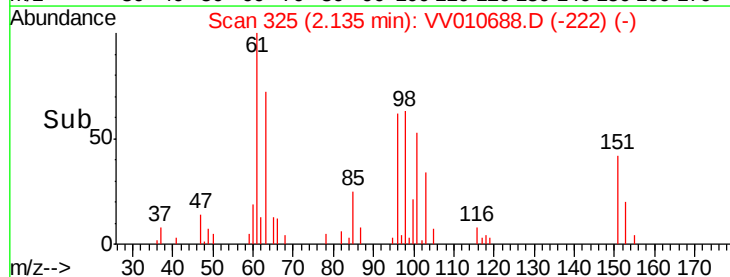
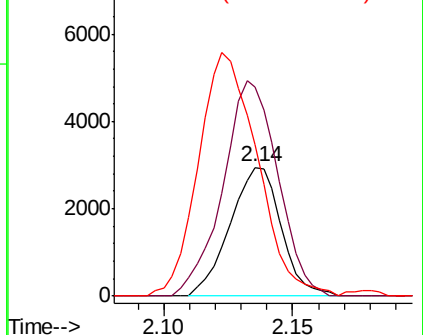
63 117.3 82.9 153.9

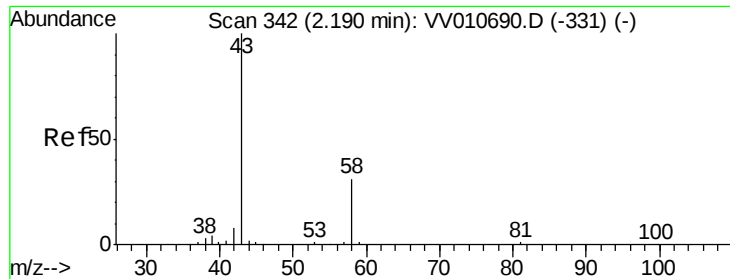


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 4.961 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

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Acq: 07 May 2019 11:17

Instrument :

MSVOA_V

ClientSampleId :

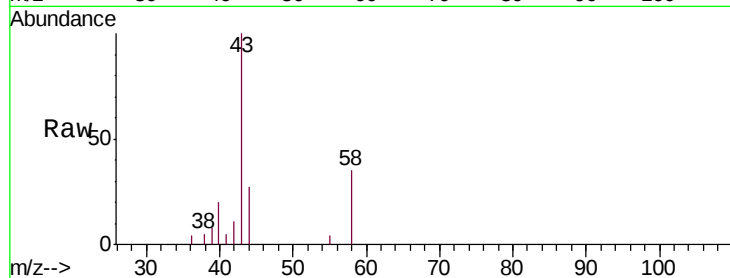
VSTD2.561

Tgt Ion: 43 Resp: 3616

Ion Ratio Lower Upper

43 100

58 29.5 0.0 63.4



Abundance Ion 43.00 (42.70 to 43.70): VV010690.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV010690.D (-331) (-)

2.19

2500

2000

1500

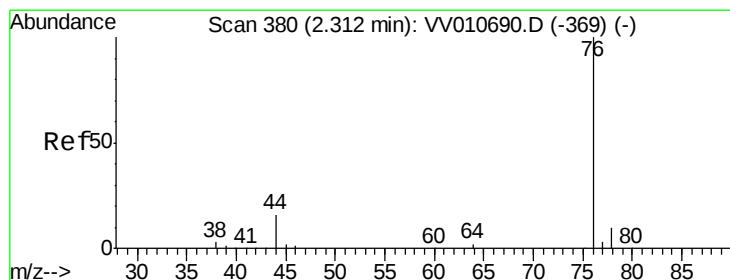
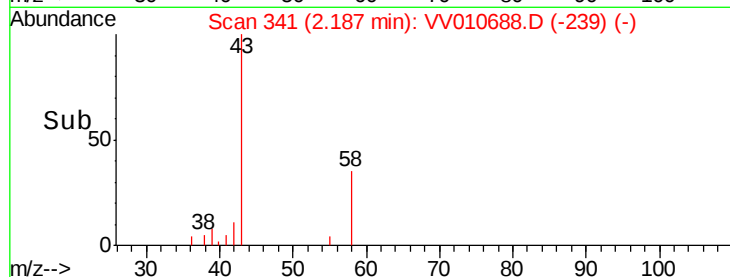
1000

500

0

Time-->

2.15 2.20



#14

Carbon disulfide

Concen: 2.367 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV010688.D

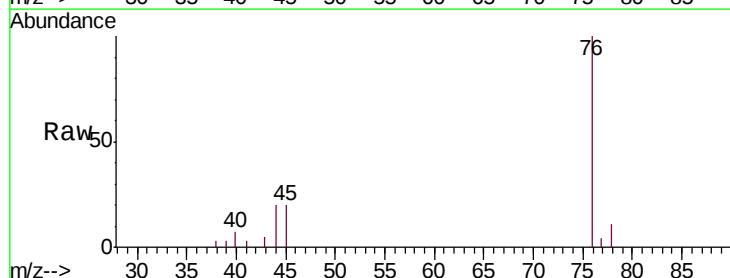
Acq: 07 May 2019 11:17

Tgt Ion: 76 Resp: 9247

Ion Ratio Lower Upper

76 100

78 10.8 7.8 11.8



Abundance Ion 76.00 (75.70 to 76.70): VV010690.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV010690.D (-369) (-)

2.31

6000

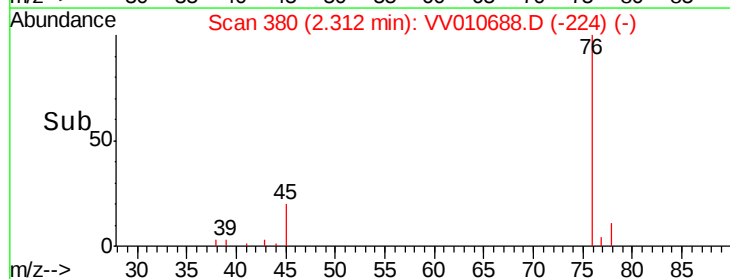
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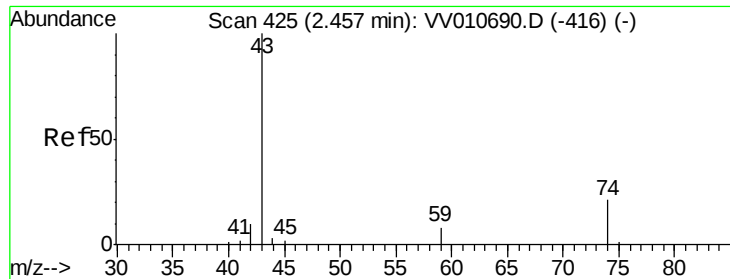
2000

0

Time-->

2.25 2.30 2.35

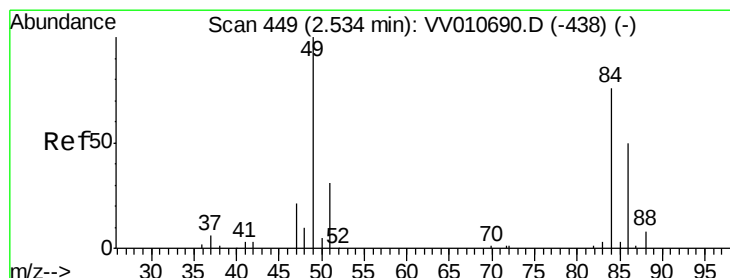
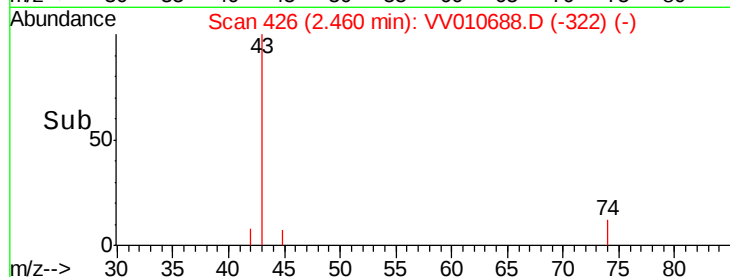
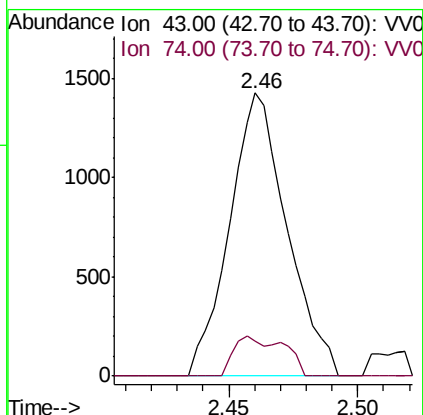
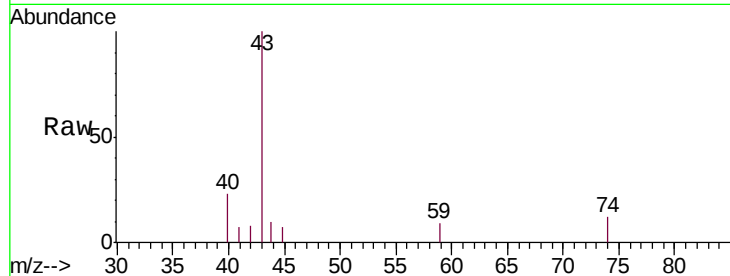




#15
Methyl Acetate
Concen: 2.538 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV010688.D
Acq: 07 May 2019 11:17

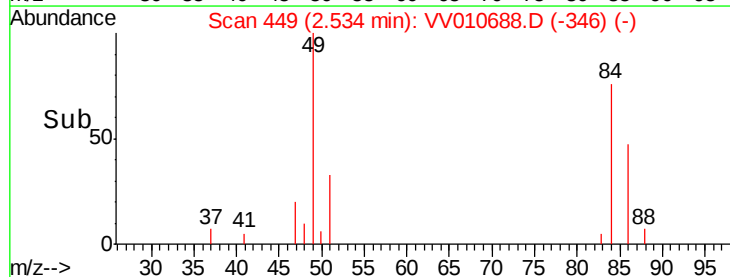
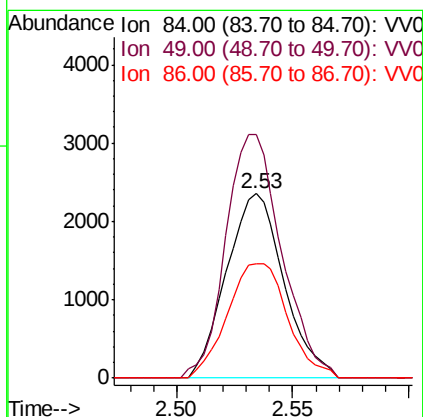
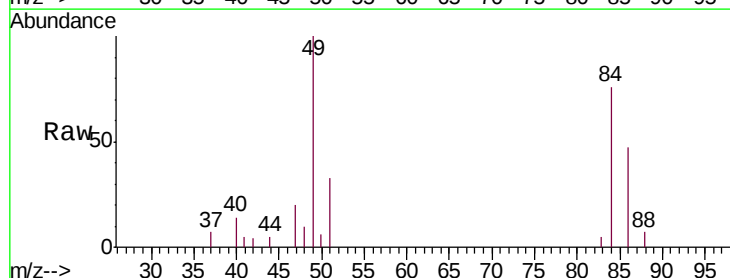
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

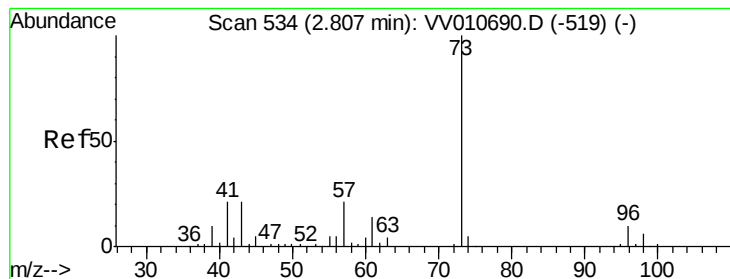
Tgt Ion: 43 Resp: 2210
Ion Ratio Lower Upper
43 100
74 7.1 17.0 25.4#



#16
Methylene chloride
Concen: 2.590 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV010688.D
Acq: 07 May 2019 11:17

Tgt Ion: 84 Resp: 4045
Ion Ratio Lower Upper
84 100
49 131.9 92.9 172.5
86 62.2 46.5 86.5



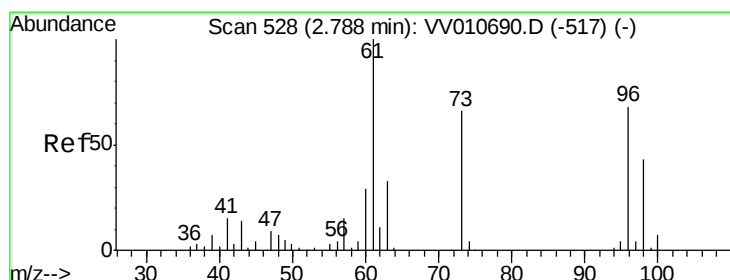
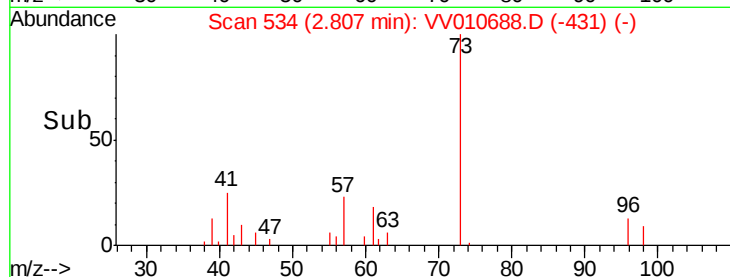
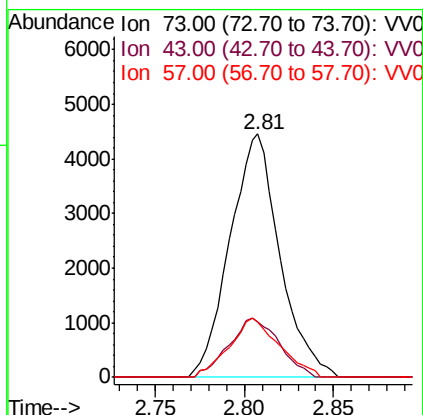
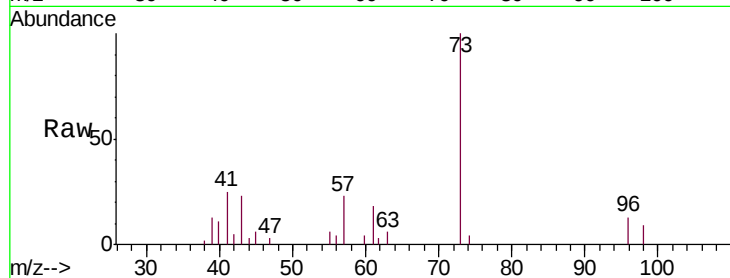


#17

Methyl tert-butyl Ether
 Concen: 2.174 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VV010688.D
 Acq: 07 May 2019 11:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

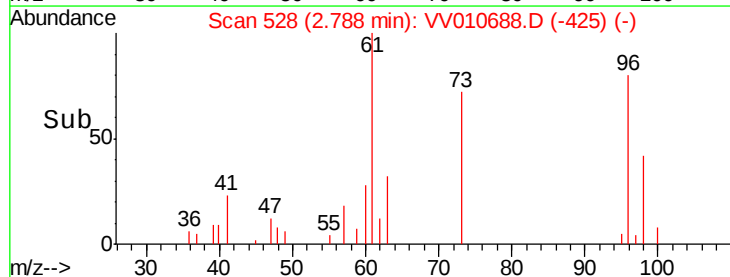
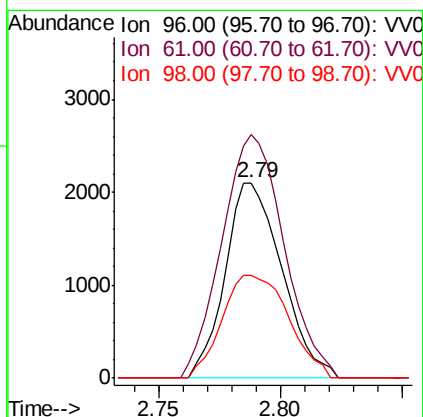
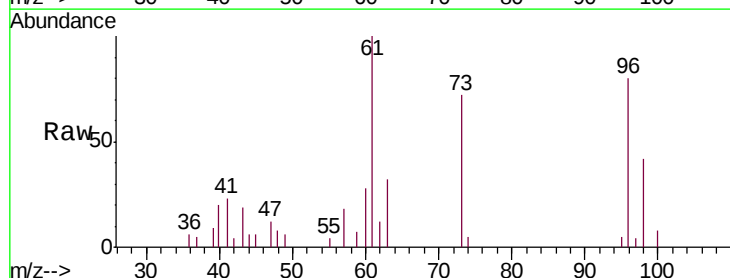
Tgt Ion: 73 Resp: 8655
 Ion Ratio Lower Upper
 73 100
 43 24.5 16.6 25.0
 57 24.4 17.4 26.2

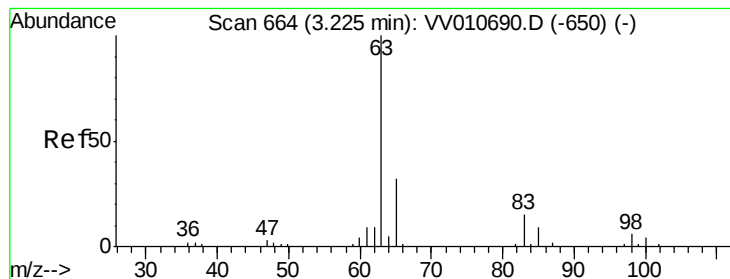


#18

trans-1,2-Dichloroethene
 Concen: 2.361 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VV010688.D
 Acq: 07 May 2019 11:17

Tgt Ion: 96 Resp: 3393
 Ion Ratio Lower Upper
 96 100
 61 124.8 102.8 190.8
 98 52.7 44.0 81.6





#19

1,1-Dichloroethane

Concen: 2.269 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV010688.D

Acq: 07 May 2019 11:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

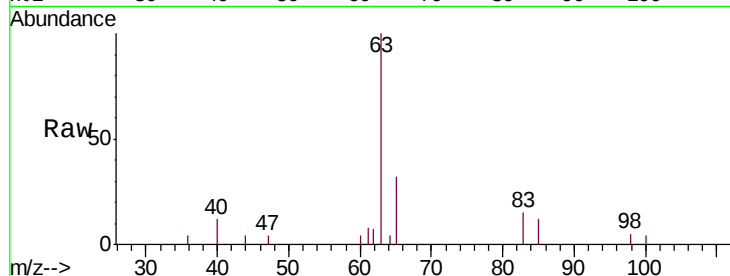
Tgt Ion: 63 Resp: 6296

Ion Ratio Lower Upper

63 100

65 32.3 22.5 41.7

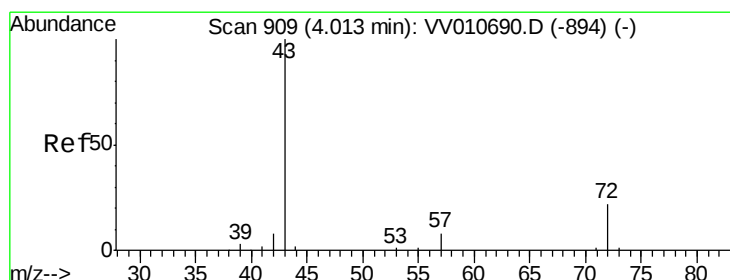
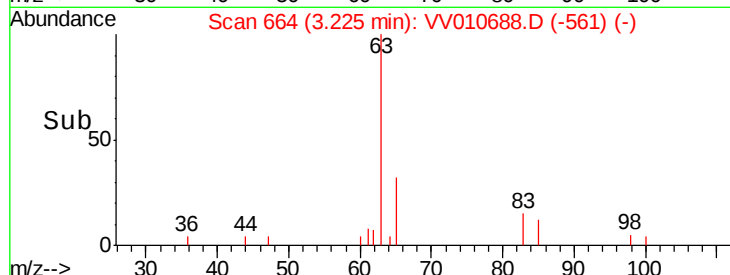
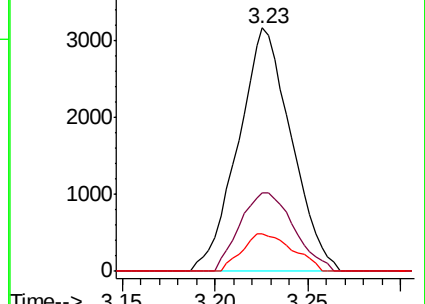
83 15.3 10.3 19.1



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: 3.571 ug/L

RT: 4.03 min Scan# 914

Delta R.T. 0.02 min

Lab File: VV010688.D

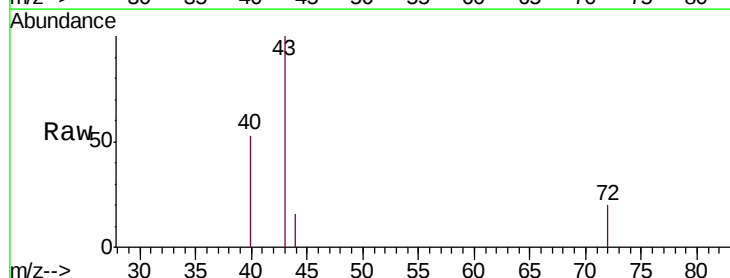
Acq: 07 May 2019 11:17

Tgt Ion: 43 Resp: 2502

Ion Ratio Lower Upper

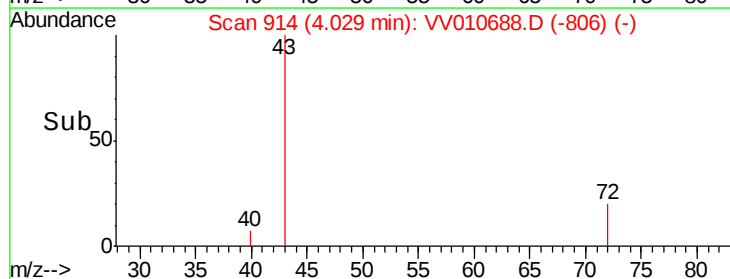
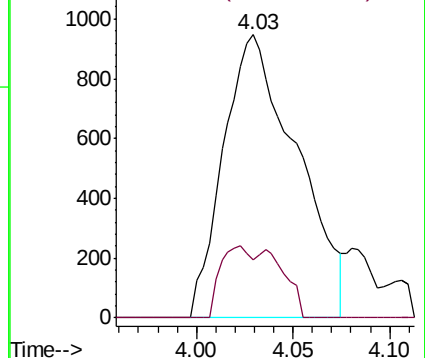
43 100

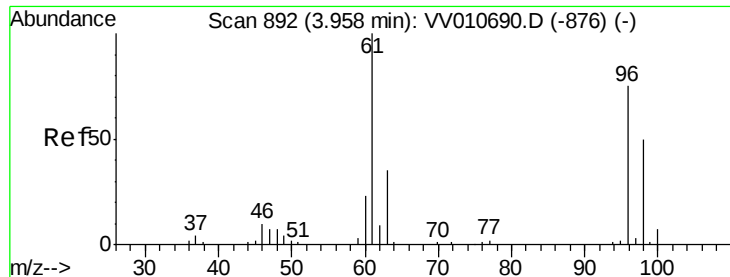
72 11.0 11.2 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



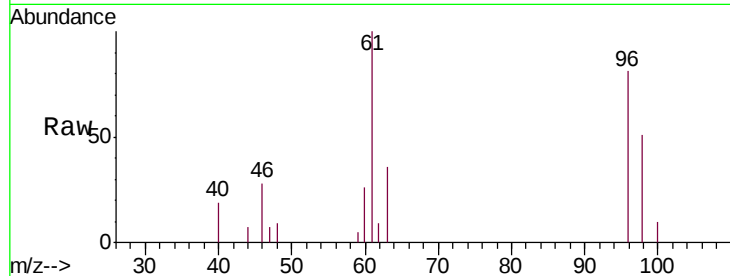


#22

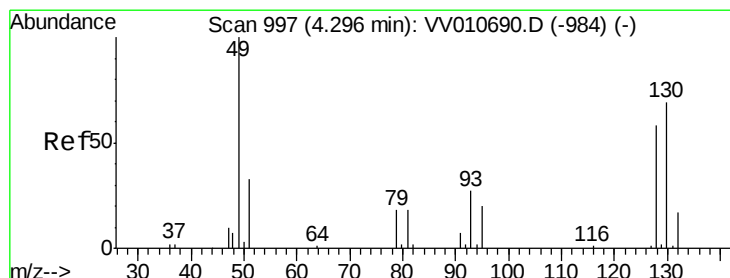
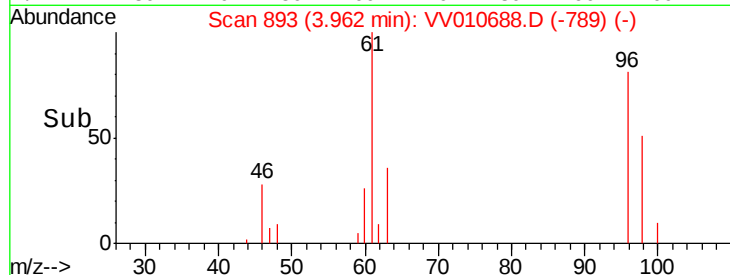
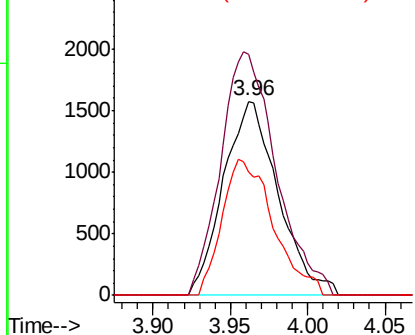
cis-1,2-Dichloroethene
Concen: 2.365 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV010688.D
Acq: 07 May 2019 11:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

Tgt Ion: 96 Resp: 3883
Ion Ratio Lower Upper
96 100
61 123.9 93.9 174.5
98 63.3 46.5 86.5



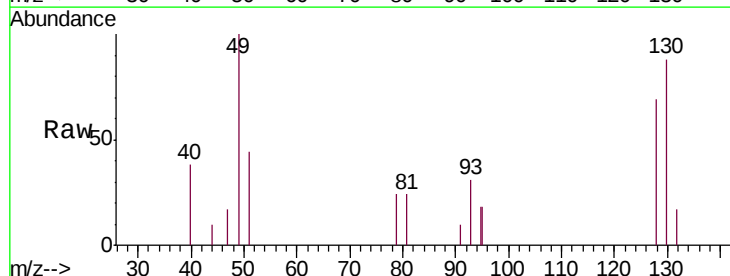
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



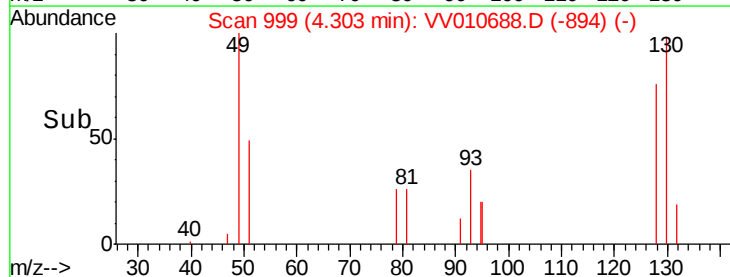
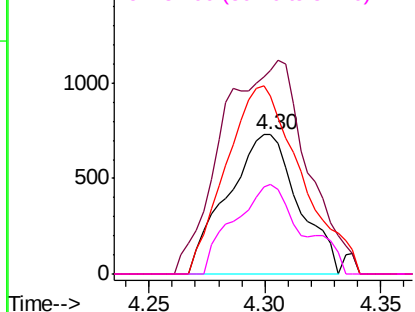
#23

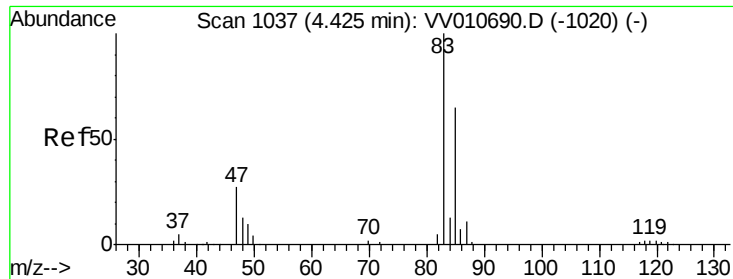
Bromochloromethane
Concen: 2.108 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.01 min
Lab File: VV010688.D
Acq: 07 May 2019 11:17

Tgt Ion: 128 Resp: 1556
Ion Ratio Lower Upper
128 100
49 145.7 122.6 227.8
130 127.8 84.0 156.0
51 64.2 45.0 67.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV0

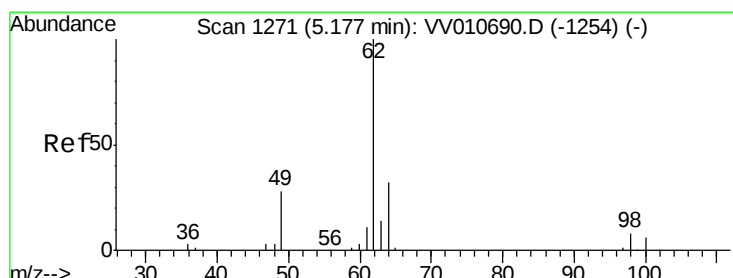
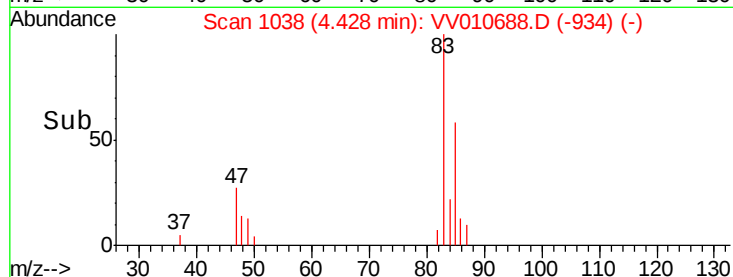
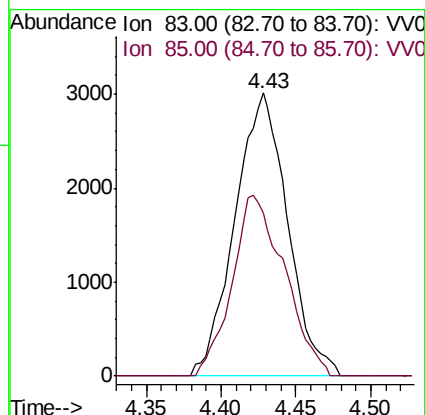
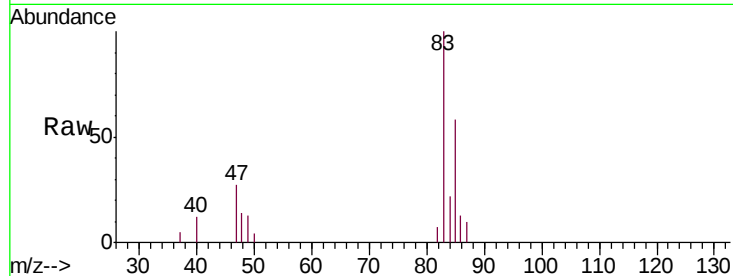




#25
Chloroform
Concen: 2.414 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV010688.D
Acq: 07 May 2019 11:17

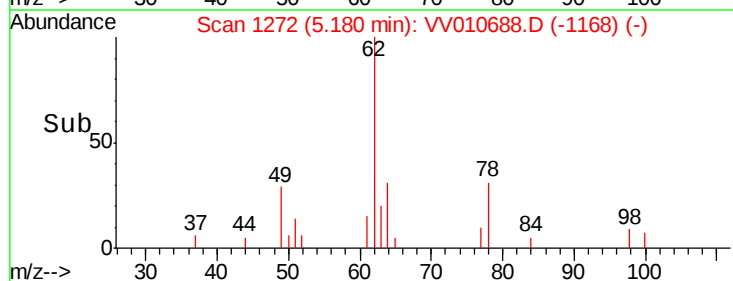
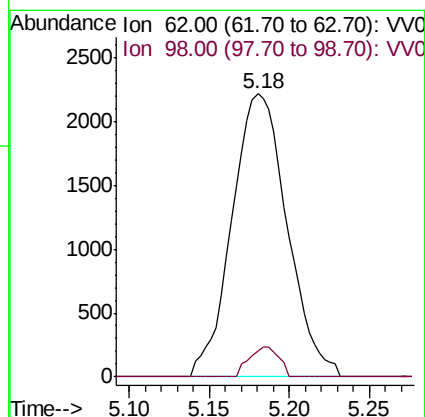
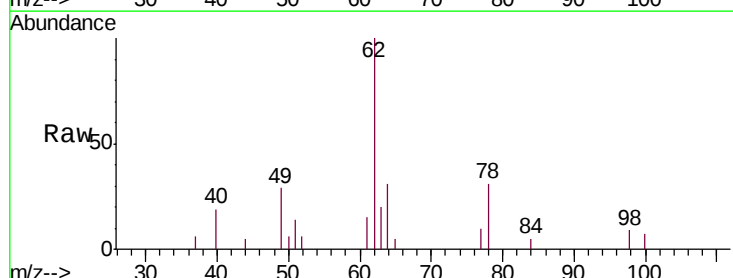
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

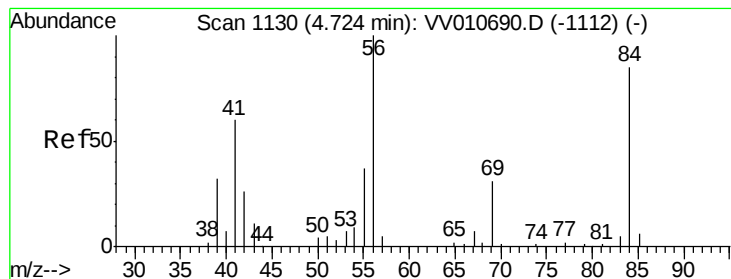
Tgt Ion: 83 Resp: 7380
Ion Ratio Lower Upper
83 100
85 63.8 44.6 82.8



#27
1,2-Dichloroethane
Concen: 2.344 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV010688.D
Acq: 07 May 2019 11:17

Tgt Ion: 62 Resp: 5238
Ion Ratio Lower Upper
62 100
98 9.1 6.3 9.5





#30

Cyclohexane

Concen: 2.409 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV010688.D

Acq: 07 May 2019 11:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

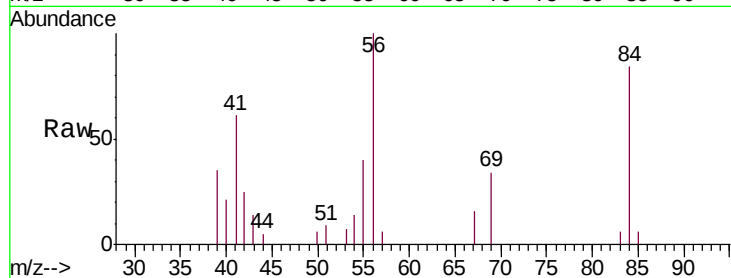
Tgt Ion: 56 Resp: 6079

Ion Ratio Lower Upper

56 100

69 16.5 24.2 36.4#

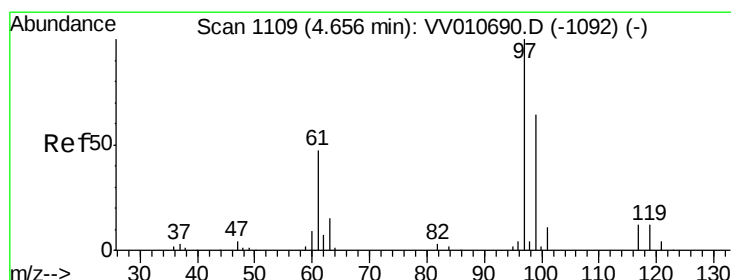
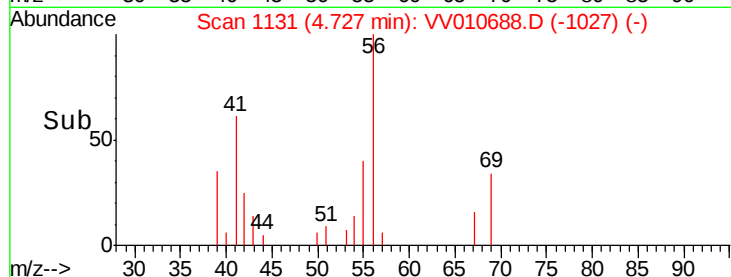
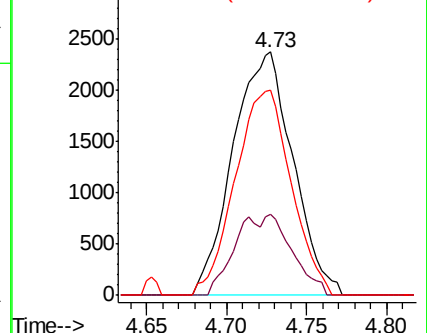
84 78.8 66.5 99.7



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: 2.455 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV010688.D

Acq: 07 May 2019 11:17

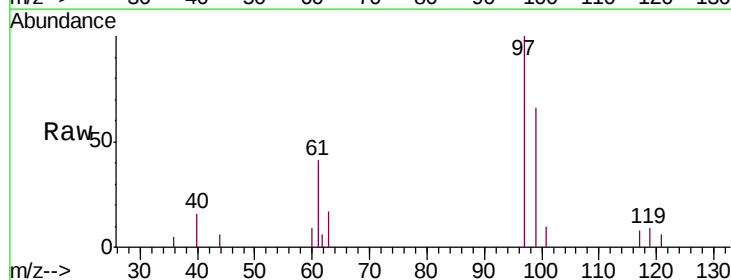
Tgt Ion: 97 Resp: 6159

Ion Ratio Lower Upper

97 100

99 69.5 50.2 75.2

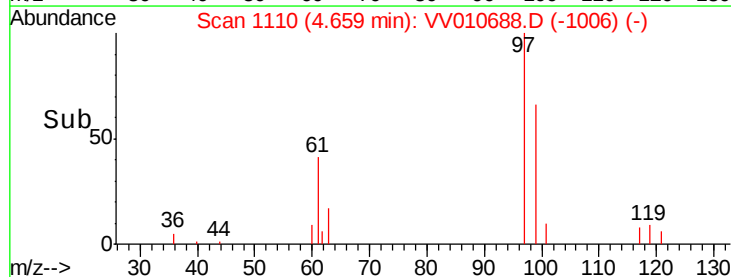
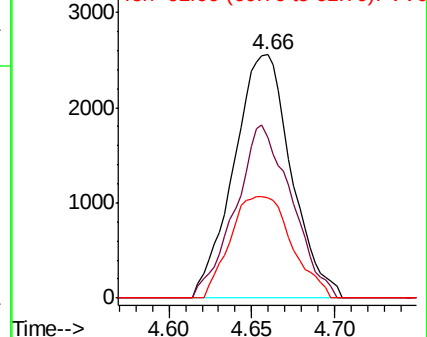
61 44.5 36.7 55.1

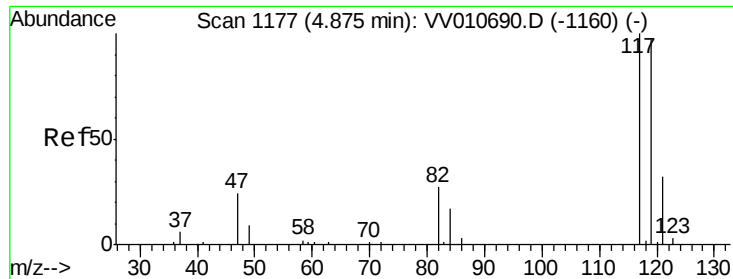


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 2.294 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV010688.D

Acq: 07 May 2019 11:17

Instrument :

MSVOA_V

ClientSampleId :

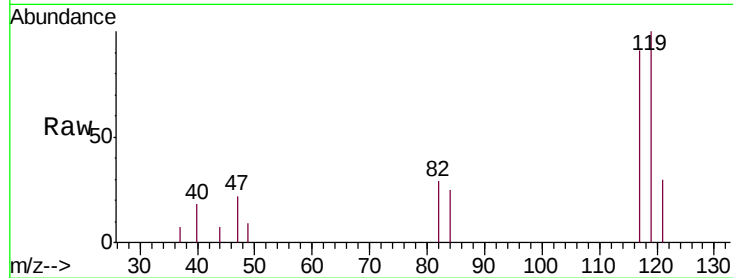
VSTD2.561

Tgt Ion:117 Resp: 5013

Ion Ratio Lower Upper

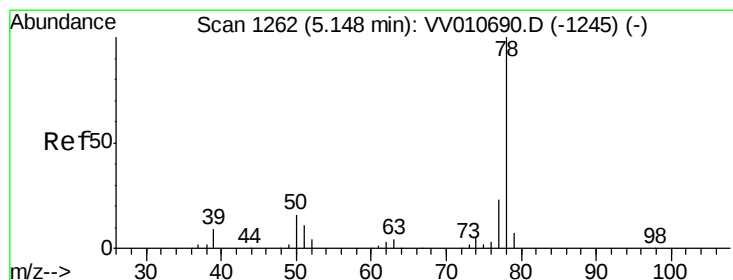
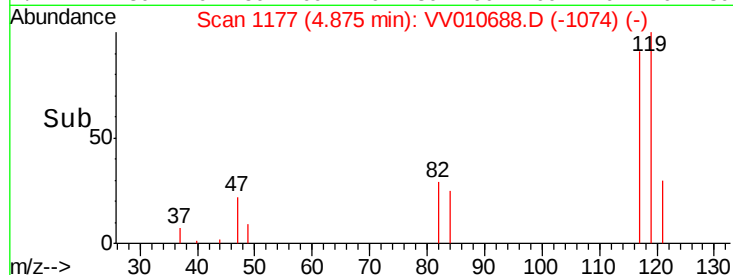
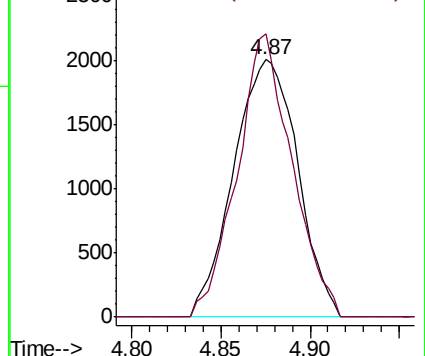
117 100

119 94.3 74.9 112.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.300 ug/L

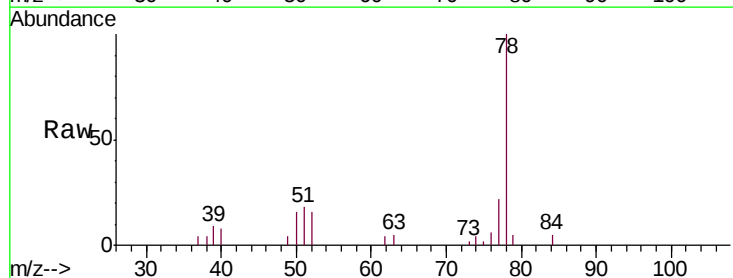
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

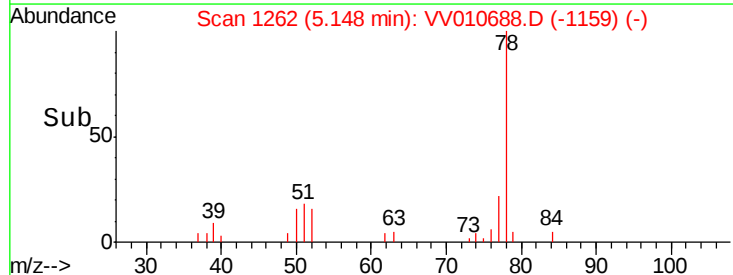
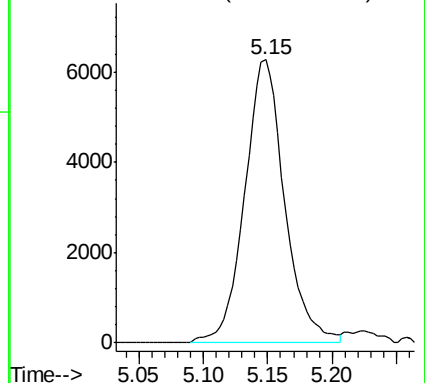
Lab File: VV010688.D

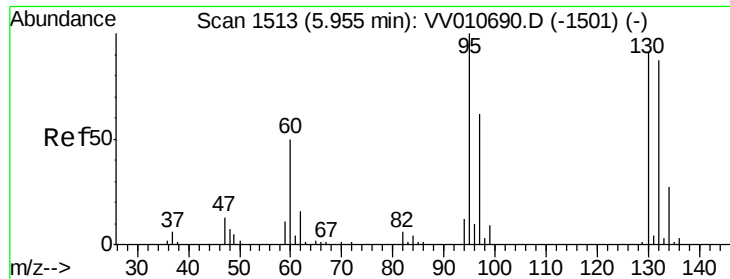
Acq: 07 May 2019 11:17

Tgt Ion: 78 Resp: 13585



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 2.396 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010688.D

Acq: 07 May 2019 11:17

Instrument :

MSVOA_V

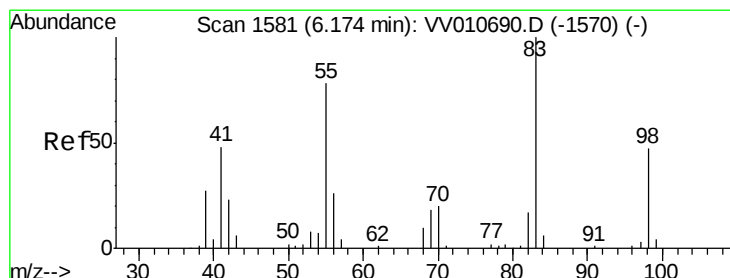
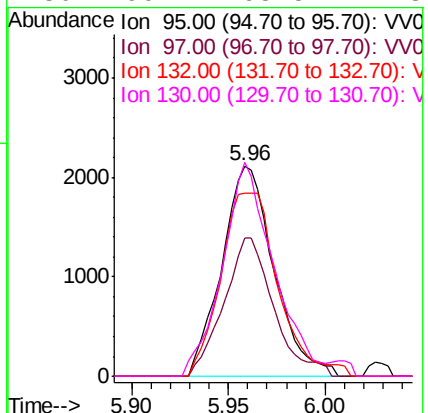
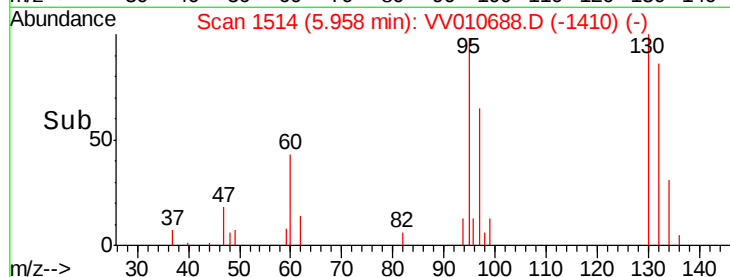
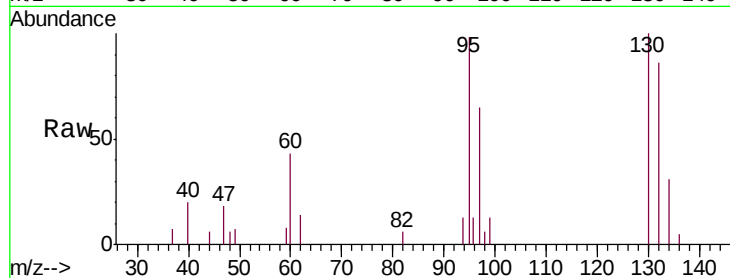
ClientSampleId :

VSTD2.561

Tgt Ion: 95 Resp: 3964

Ion Ratio Lower Upper

95	100		
97	61.7	44.3	82.3
132	0.0	62.4	115.8
130	99.7	68.5	127.3



#36

Methylcyclohexane

Concen: 2.384 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

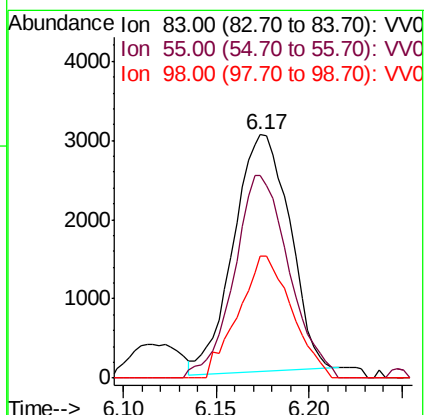
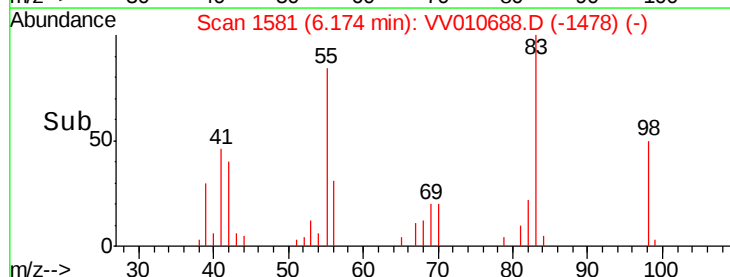
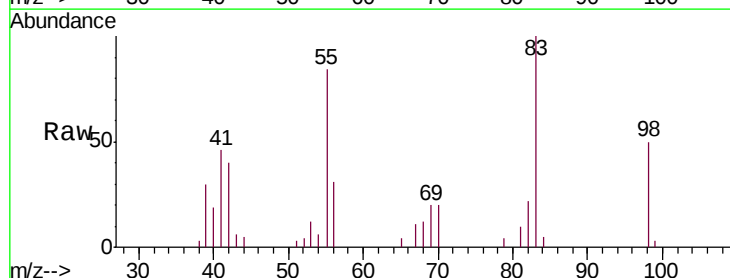
Lab File: VV010688.D

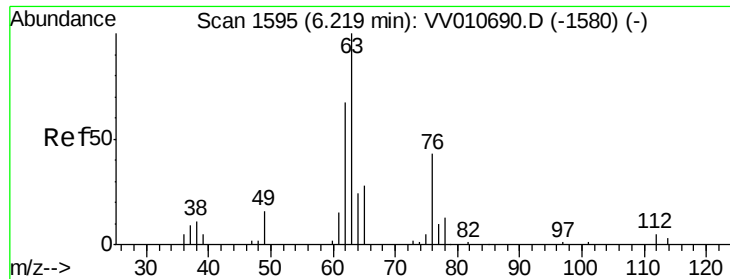
Acq: 07 May 2019 11:17

Tgt Ion: 83 Resp: 6322

Ion Ratio Lower Upper

83	100		
55	83.5	64.6	96.8
98	48.8	37.7	56.5

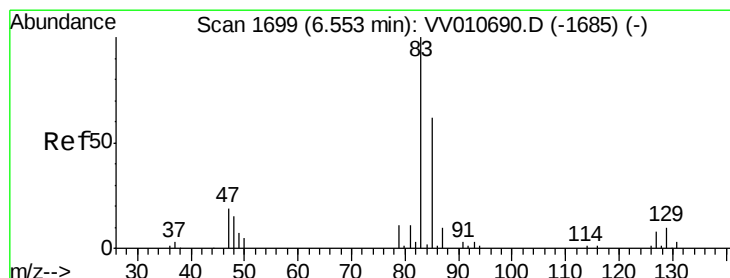
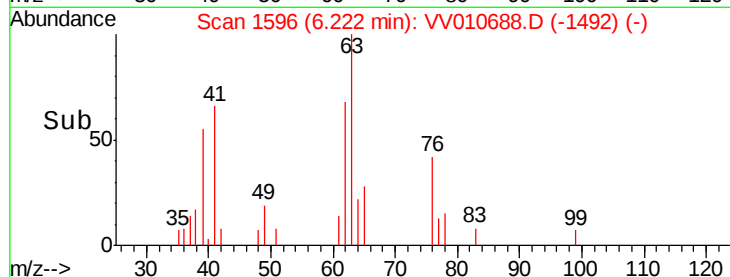
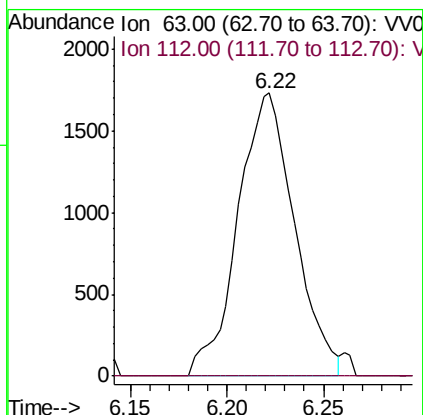
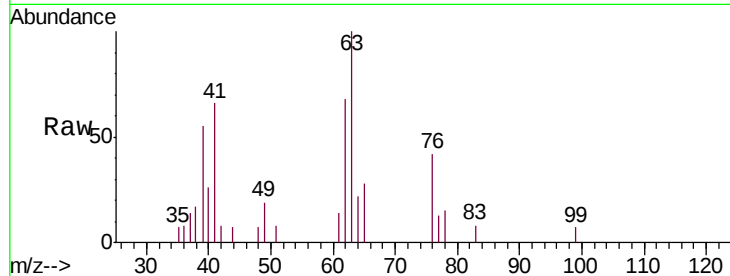




#40
 1,2-Dichloropropane
 Concen: 2.252 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV010688.D
 Acq: 07 May 2019 11:17

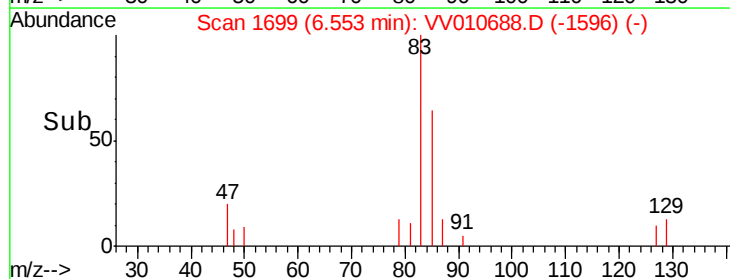
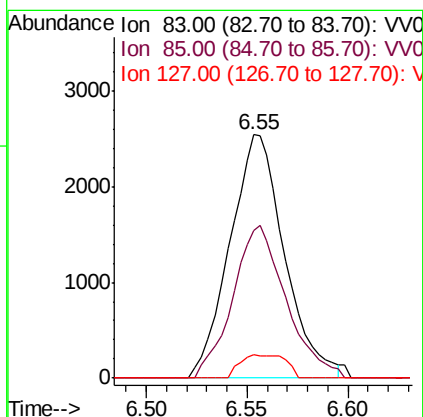
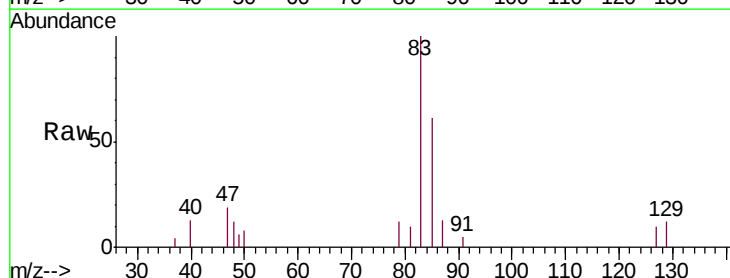
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

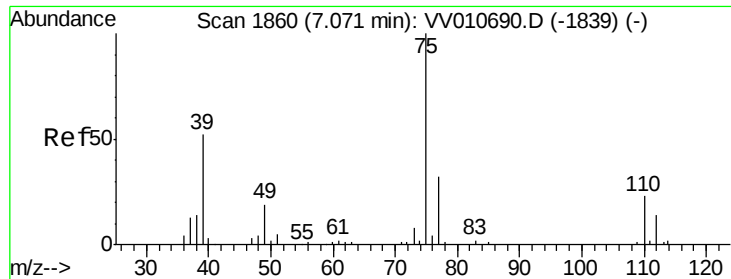
Tgt Ion: 63 Resp: 3539
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#41
 Bromodichloromethane
 Concen: 2.227 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV010688.D
 Acq: 07 May 2019 11:17

Tgt Ion: 83 Resp: 4808
 Ion Ratio Lower Upper
 83 100
 85 60.7 43.5 80.7
 127 9.5 6.2 9.4#



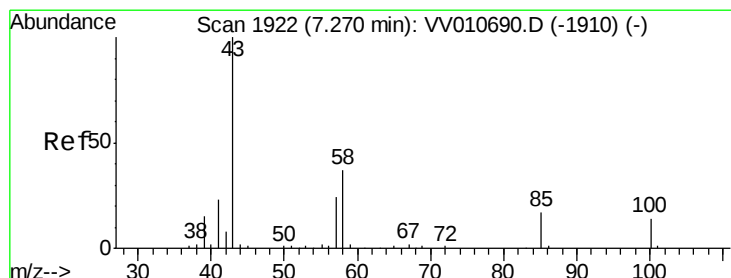
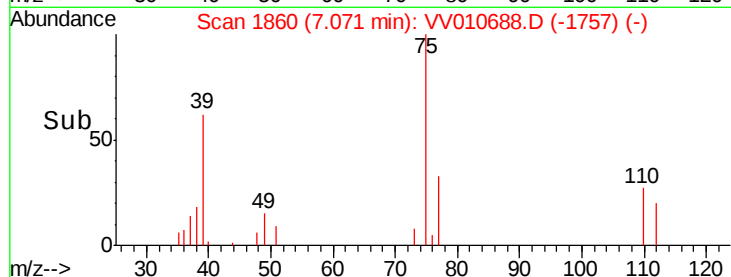
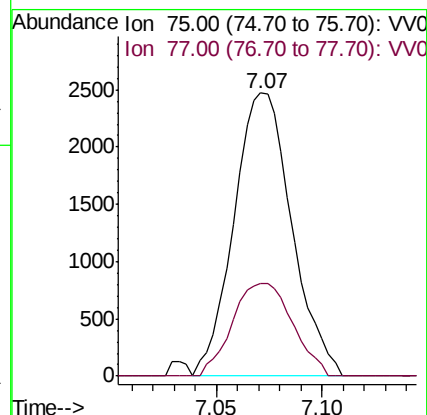
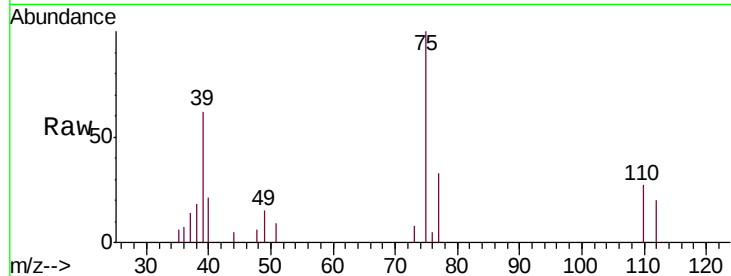


#42

cis-1,3-Dichloropropene
Concen: 1.892 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV010688.D
Acq: 07 May 2019 11:17

Instrument :
MSVOA_V
ClientSampled :
VSTD2.561

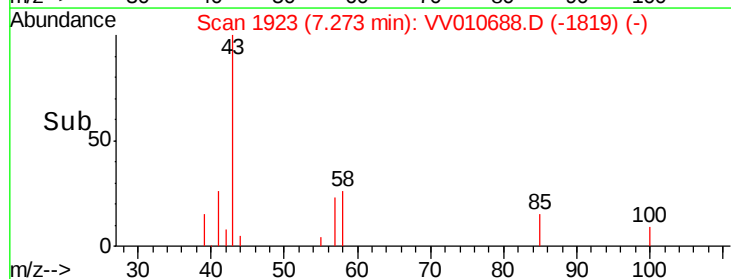
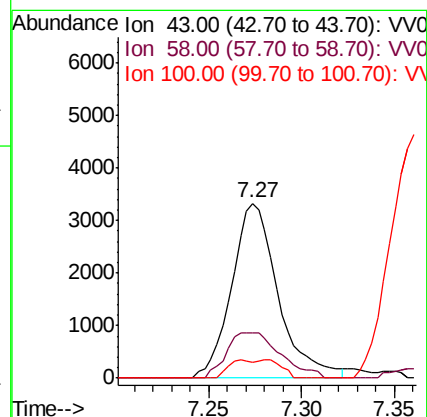
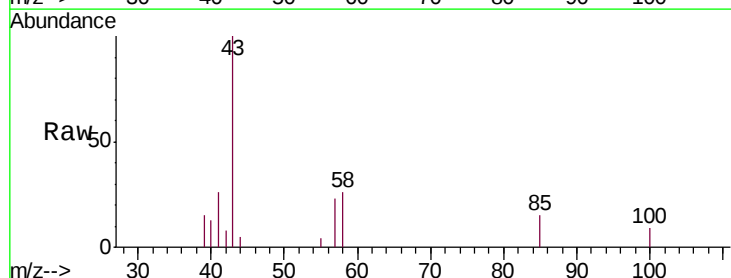
Tgt Ion: 75 Resp: 4703
Ion Ratio Lower Upper
75 100
77 32.5 22.3 41.3

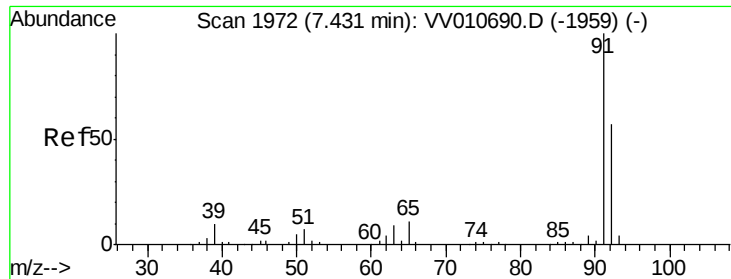


#43

4-Methyl-2-pentanone
Concen: 4.386 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VV010688.D
Acq: 07 May 2019 11:17

Tgt Ion: 43 Resp: 5802
Ion Ratio Lower Upper
43 100
58 12.6 28.1 42.1#
100 5.6 11.0 16.6#





#44

Toluene

Concen: 2.223 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010688.D

Acq: 07 May 2019 11:17

Instrument :

MSVOA_V

ClientSampleId :

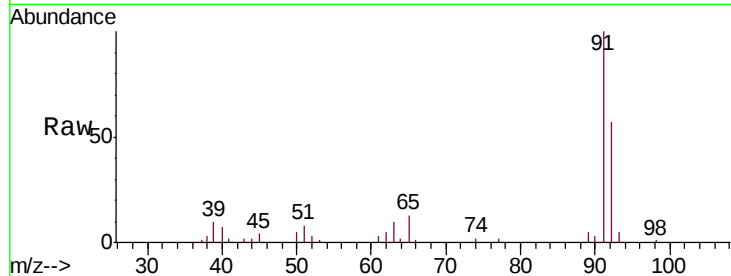
VSTD2.561

Tgt Ion: 91 Resp: 14913

Ion Ratio Lower Upper

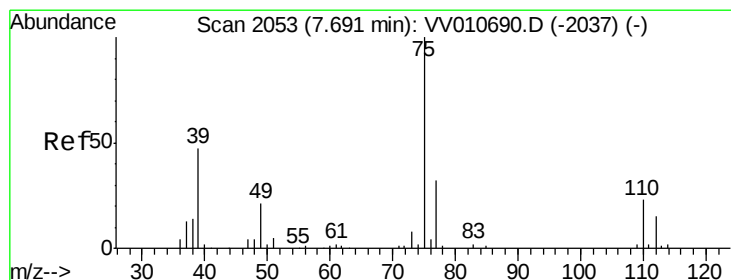
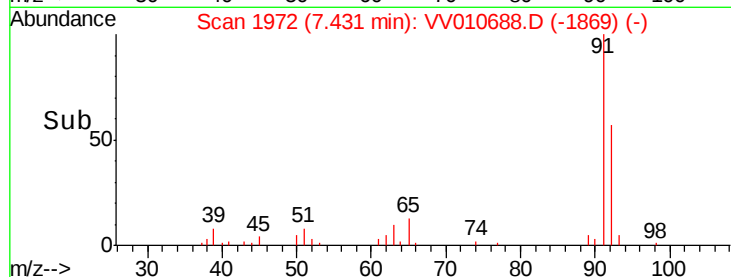
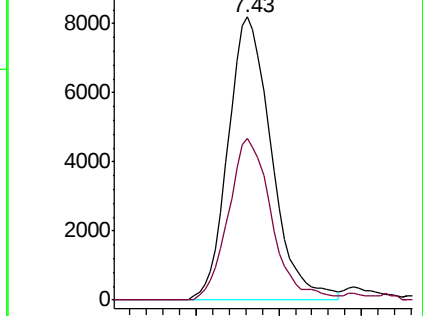
91 100

92 57.0 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#45

trans-1,3-Dichloropropene

Concen: 1.997 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV010688.D

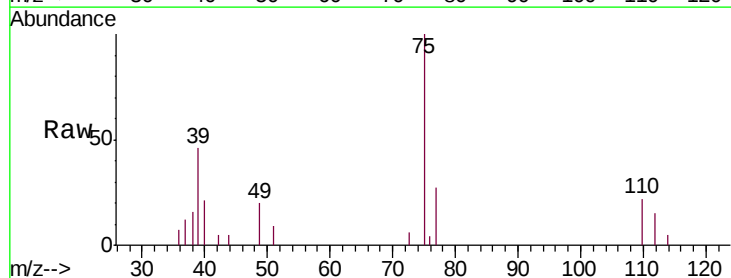
Acq: 07 May 2019 11:17

Tgt Ion: 75 Resp: 4179

Ion Ratio Lower Upper

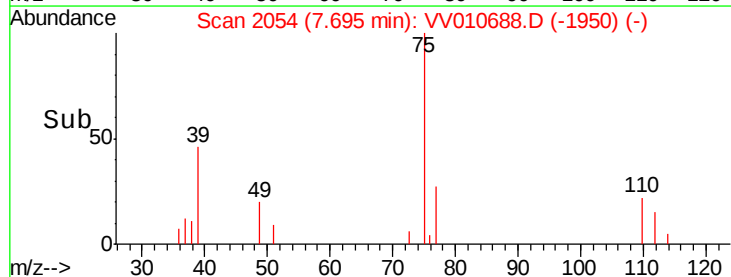
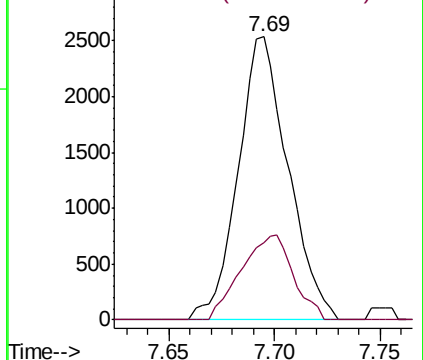
75 100

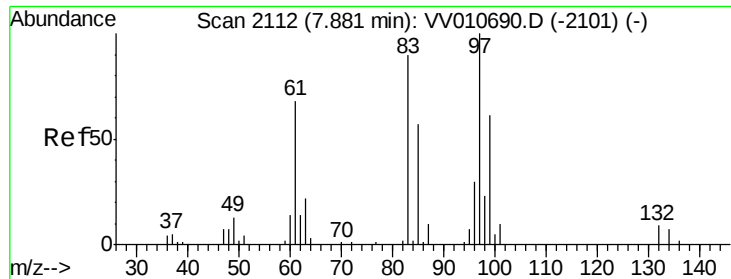
77 27.2 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

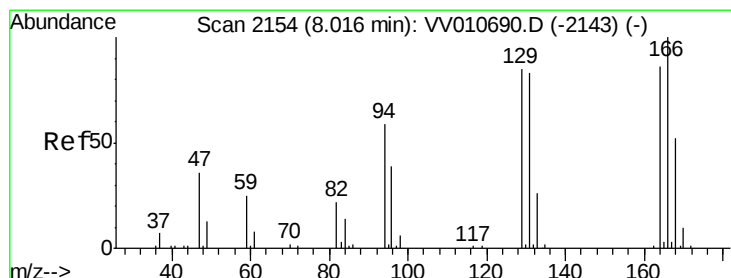
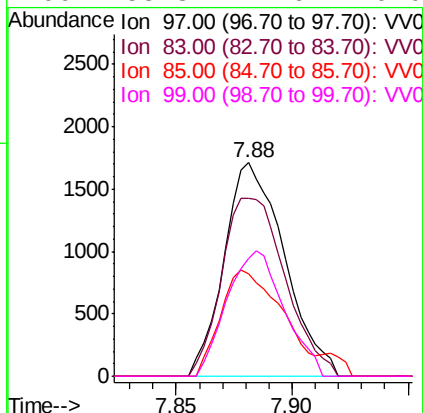
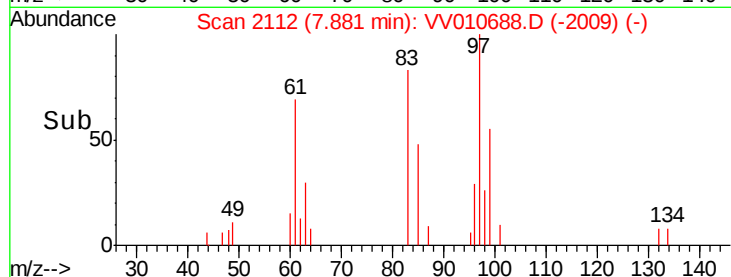
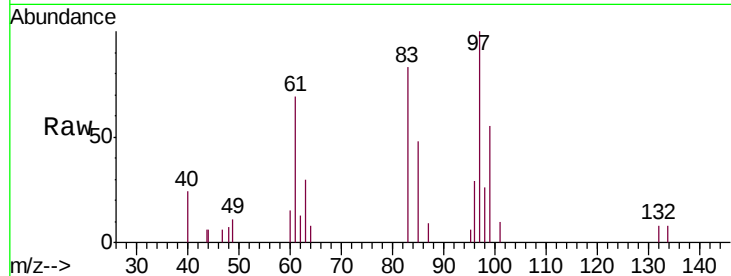




#46
1,1,2-Trichloroethane
Concen: 2.391 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV010688.D
Acq: 07 May 2019 11:17

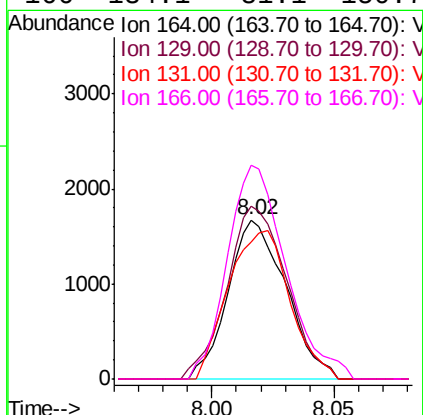
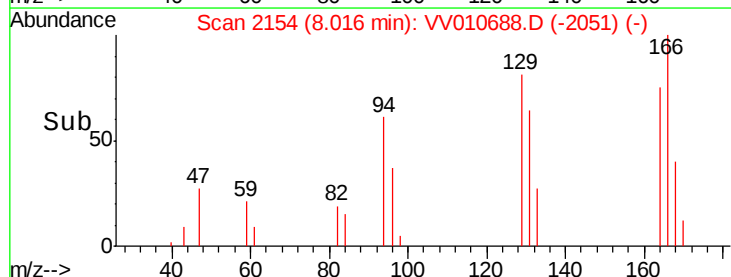
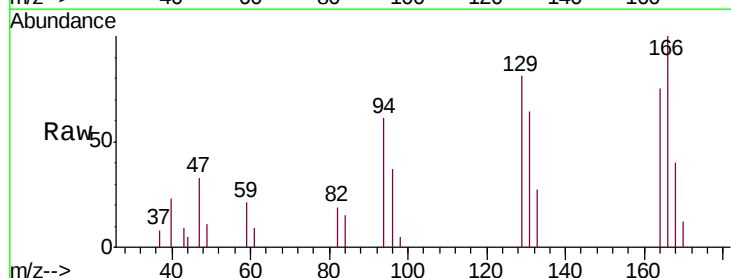
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

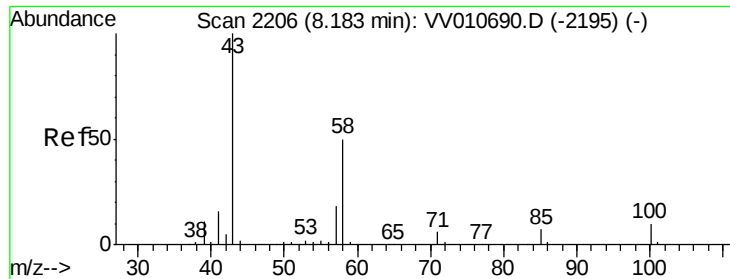
Tgt Ion:	97	Resp:	3086
Ion	Ratio	Lower	Upper
97	100		
83	83.4	62.8	116.6
85	47.8	40.2	74.6
99	55.3	42.6	79.0



#47
Tetrachloroethene
Concen: 2.299 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV010688.D
Acq: 07 May 2019 11:17

Tgt Ion:	164	Resp:	2755
Ion	Ratio	Lower	Upper
164	100		
129	108.2	69.3	128.7
131	85.7	67.3	125.1
166	134.1	81.1	150.7

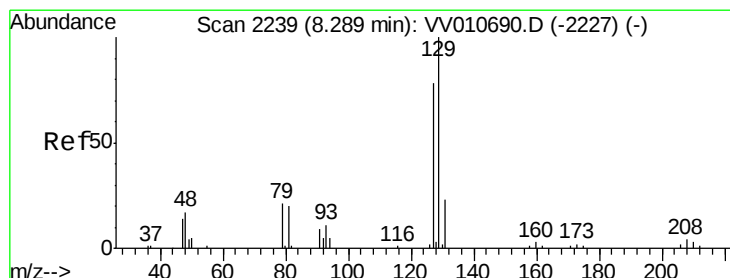
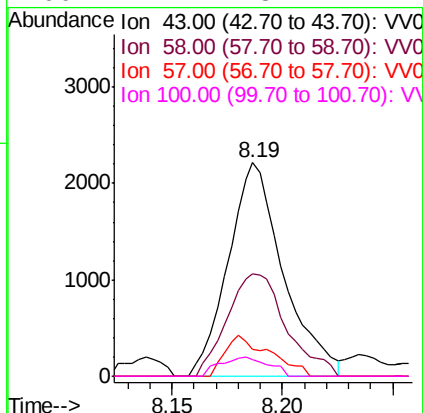
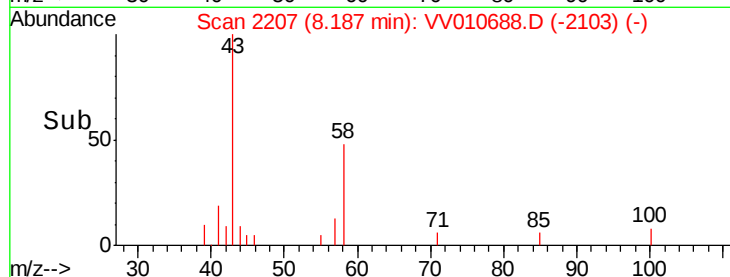
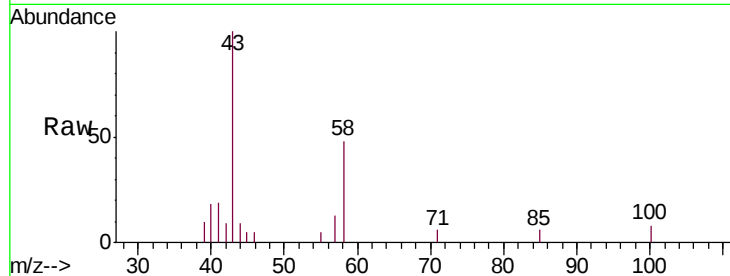




#49
2-Hexanone
Concen: 3.831 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV010688.D
Acq: 07 May 2019 11:17

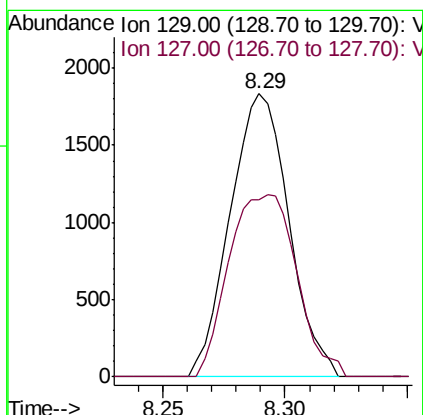
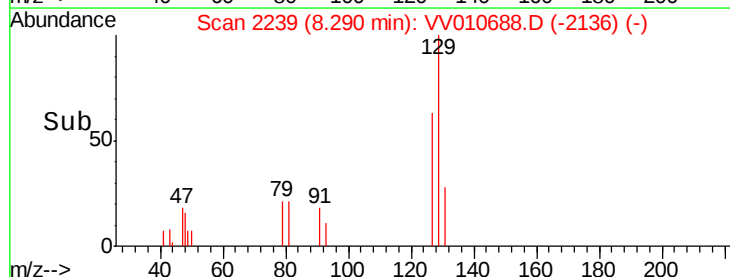
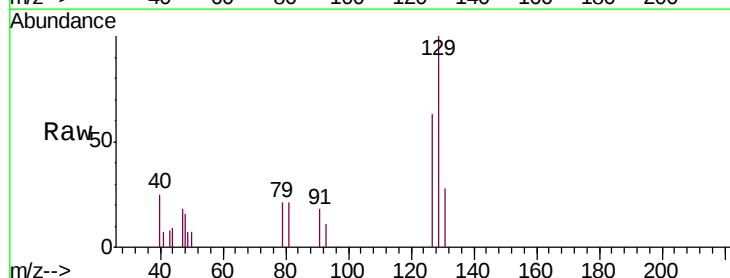
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

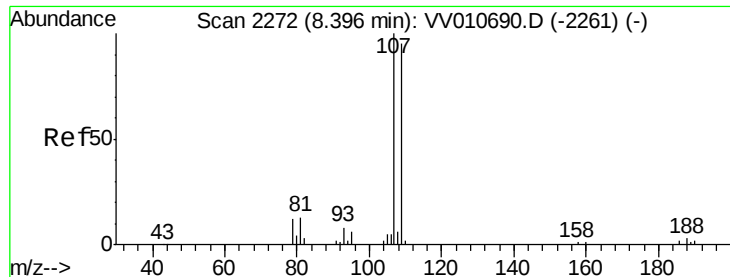
Tgt Ion: 43 Resp: 3853
Ion Ratio Lower Upper
43 100
58 51.1 39.4 59.0
57 10.5 14.2 21.4#
100 7.4 8.2 12.2#



#50
Dibromochloromethane
Concen: 2.065 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010688.D
Acq: 07 May 2019 11:17

Tgt Ion: 129 Resp: 3065
Ion Ratio Lower Upper
129 100
127 62.7 54.5 101.1





#51

1,2-Dibromoethane

Concen: 2.205 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV010688.D

Acq: 07 May 2019 11:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

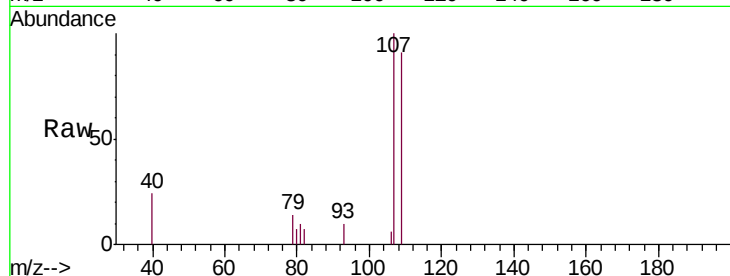
Tgt Ion:107 Resp: 2749

Ion Ratio Lower Upper

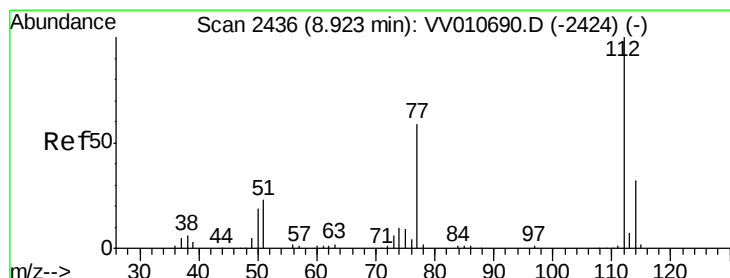
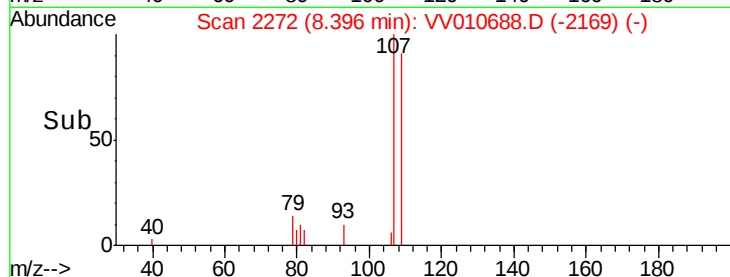
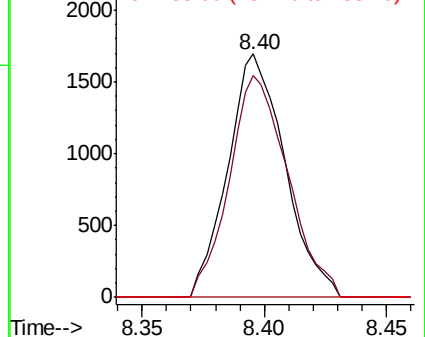
107 100

109 91.0 66.6 123.6

188 0.0 2.7 4.1#



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: 2.281 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV010688.D

Acq: 07 May 2019 11:17

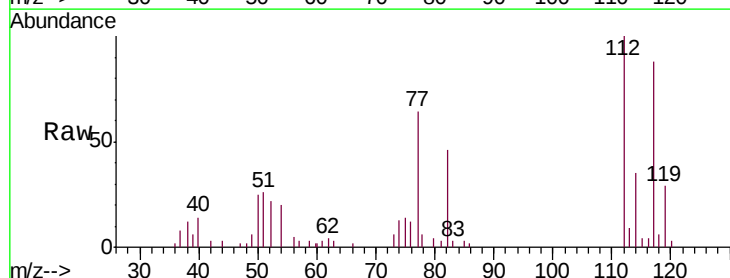
Tgt Ion:112 Resp: 9999

Ion Ratio Lower Upper

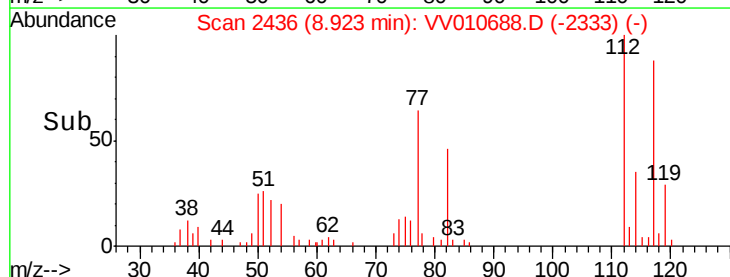
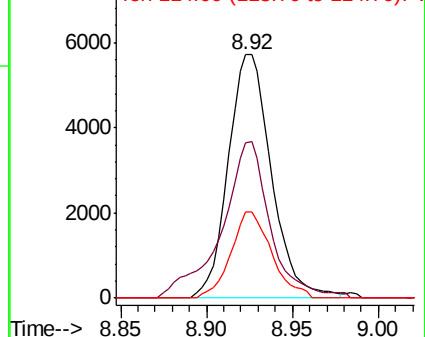
112 100

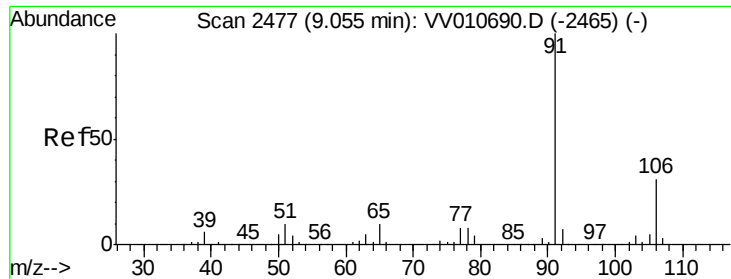
77 63.7 47.7 71.5

114 35.1 22.1 41.1



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

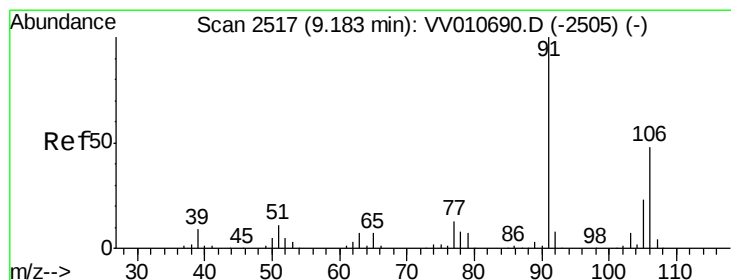
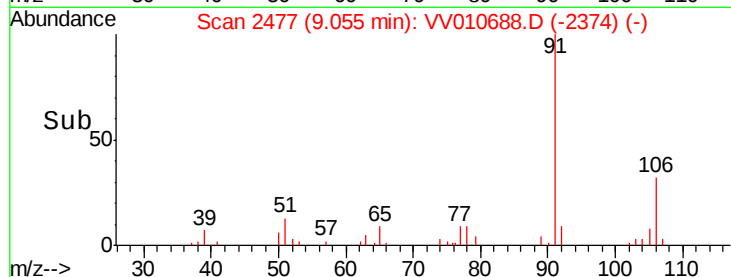
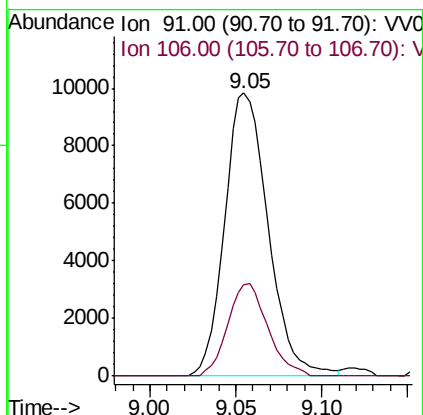
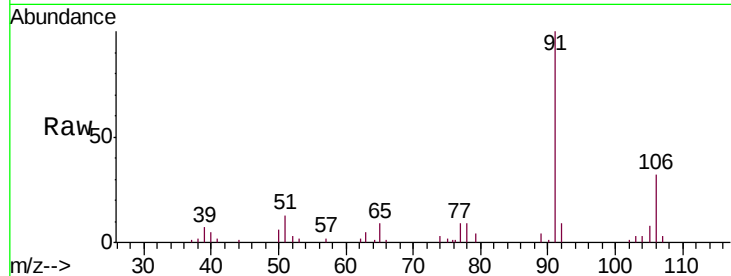




#53
Ethylbenzene
Concen: 2.236 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV010688.D
Acq: 07 May 2019 11:17

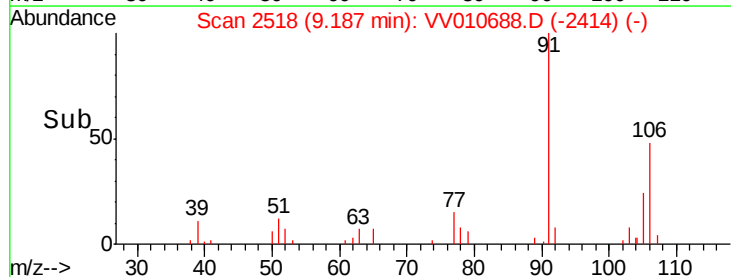
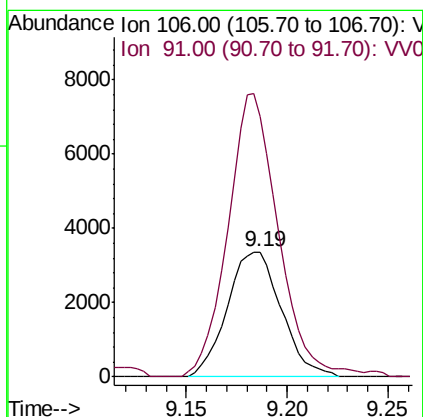
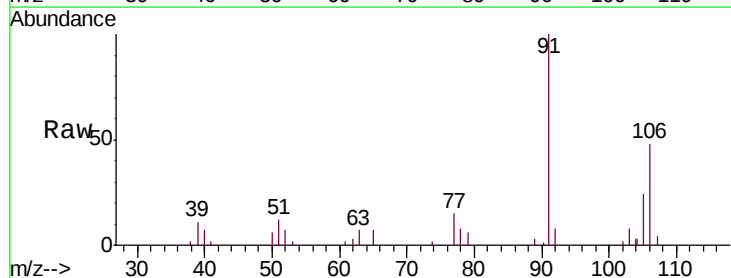
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

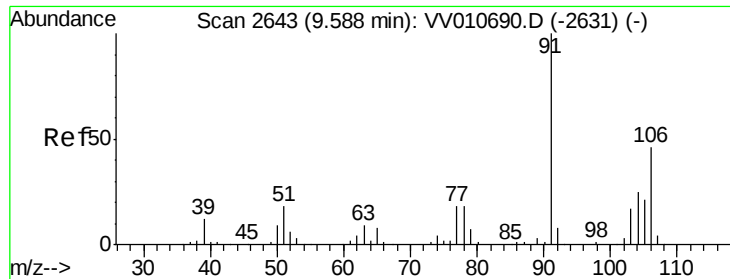
Tgt Ion: 91 Resp: 17390
Ion Ratio Lower Upper
91 100
106 32.1 21.8 40.6



#54
m,p-Xylene
Concen: 2.177 ug/L
RT: 9.19 min Scan# 2518
Delta R.T. 0.00 min
Lab File: VV010688.D
Acq: 07 May 2019 11:17

Tgt Ion: 106 Resp: 6326
Ion Ratio Lower Upper
106 100
91 207.9 145.4 270.0





#55

o-xylene

Concen: 2.103 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010688.D

Acq: 07 May 2019 11:17

Instrument :

MSVOA_V

ClientSampleId :

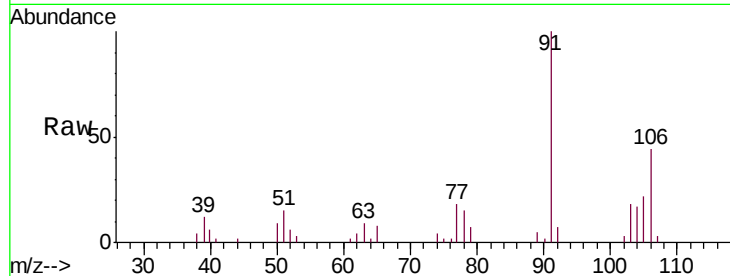
VSTD2.561

Tgt Ion:106 Resp: 6061

Ion Ratio Lower Upper

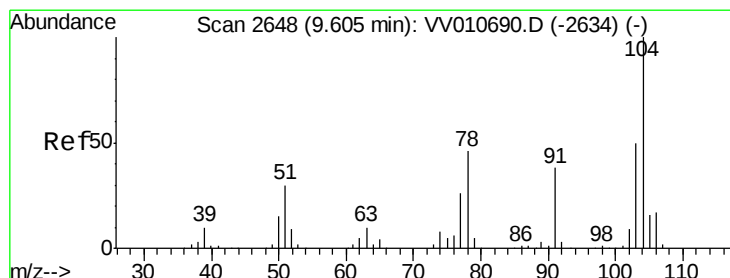
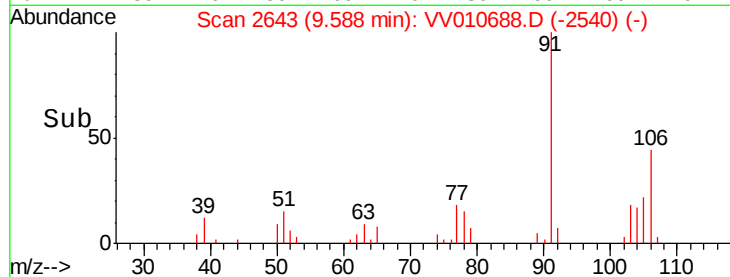
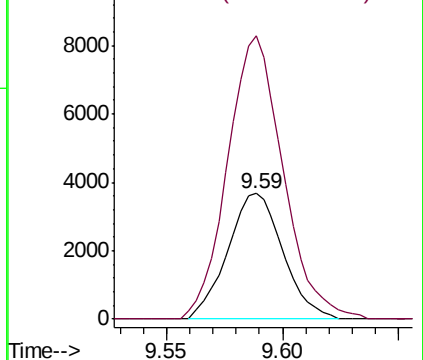
106 100

91 225.0 151.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 1.992 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010688.D

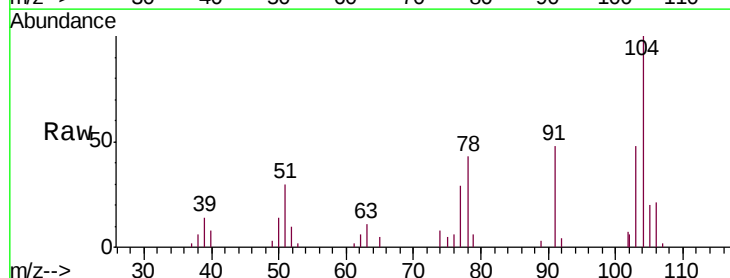
Acq: 07 May 2019 11:17

Tgt Ion:104 Resp: 9711

Ion Ratio Lower Upper

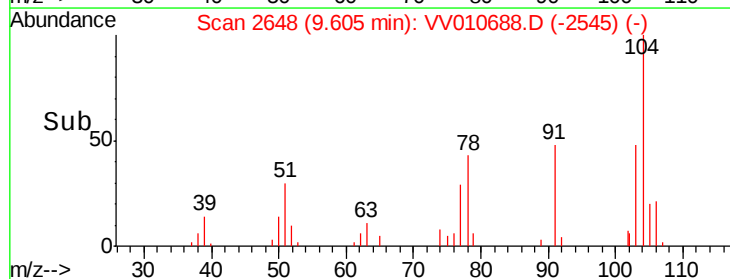
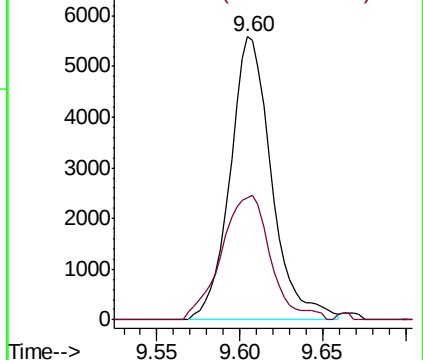
104 100

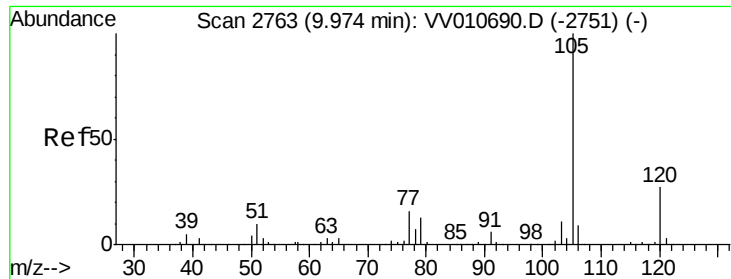
78 43.2 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 2.093 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010688.D

Acq: 07 May 2019 11:17

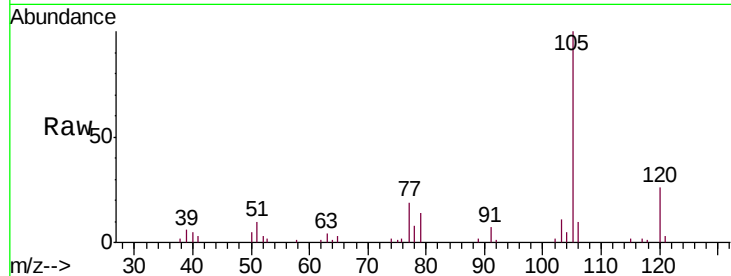
Instrument :

MSVOA_V

ClientSampled :

VSTD2.561

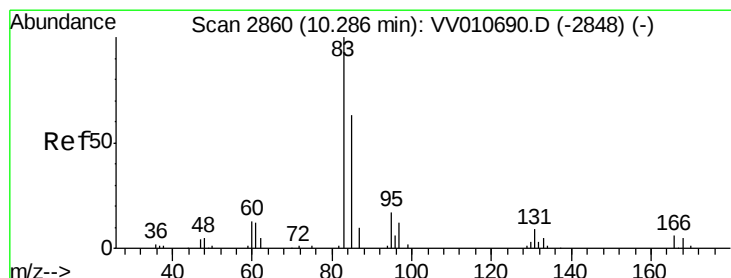
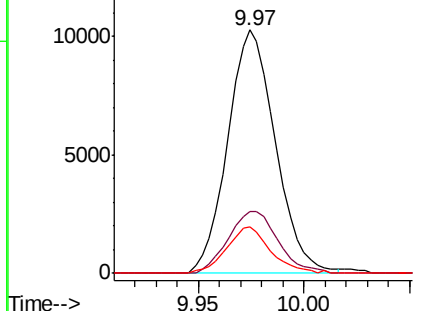
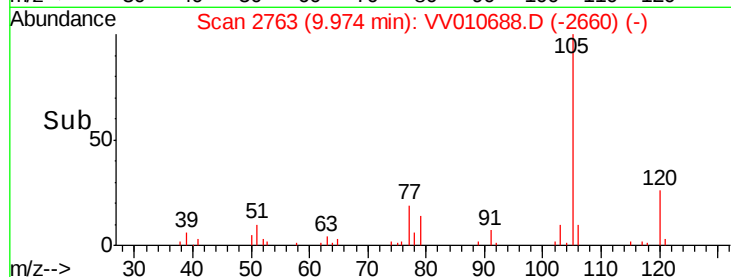
Tgt Ion:	105	Resp:	16097
Ion	Ratio	Lower	Upper
105	100		
120	26.5	20.9	31.3
77	17.5	12.8	19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.156 ug/L

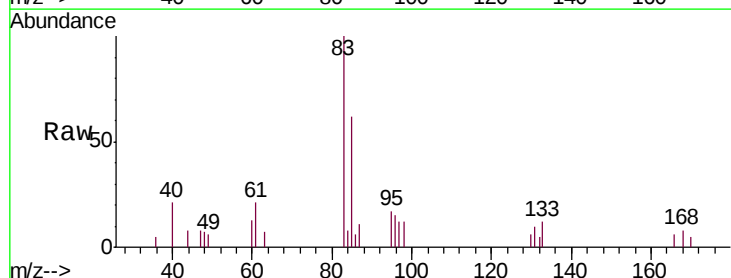
RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010688.D

Acq: 07 May 2019 11:17

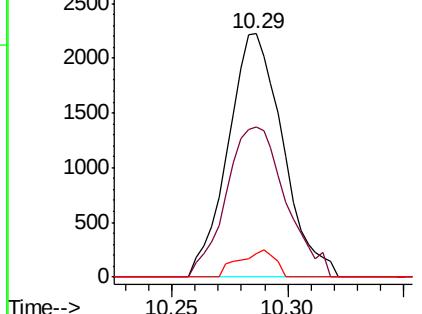
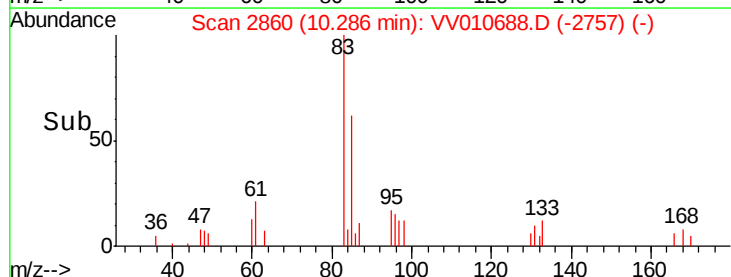
Tgt Ion:	83	Resp:	3646
Ion	Ratio	Lower	Upper
83	100		
85	61.6	44.6	82.8
131	9.7	7.9	11.9

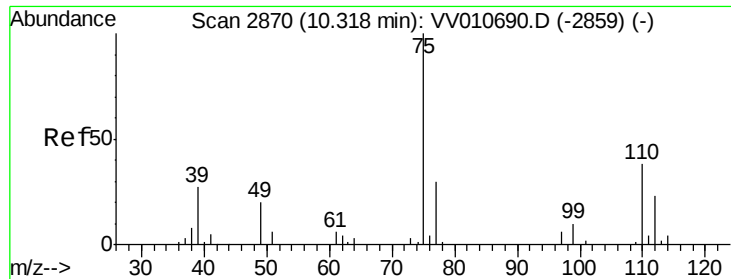


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

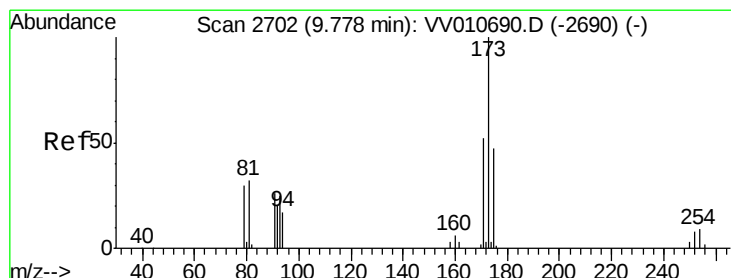
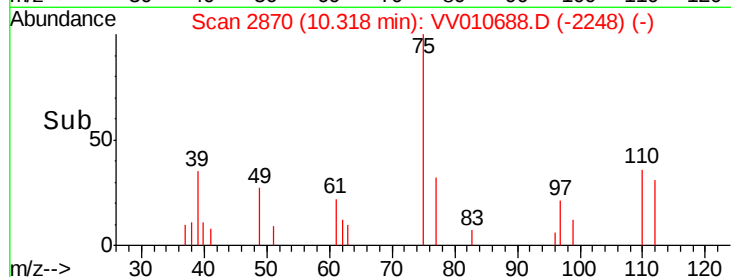
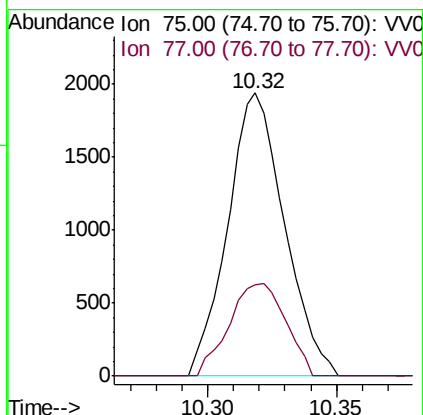
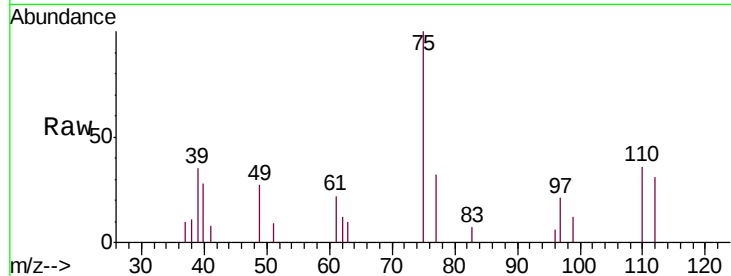




#59
 1,2,3-Trichloropropane
 Concen: 2.261 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV010688.D
 Acq: 07 May 2019 11:17

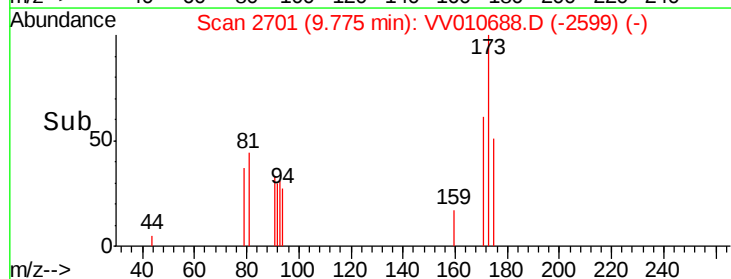
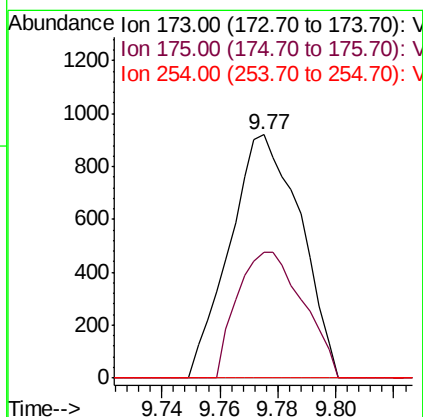
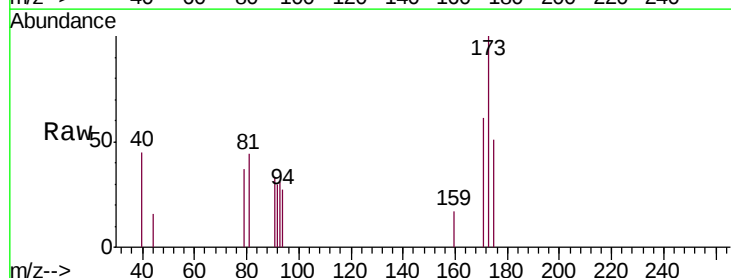
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

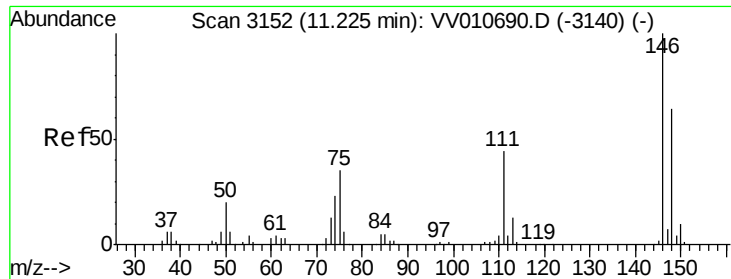
Tgt Ion: 75 Resp: 2984
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.0 37.6



#62
 Bromoform
 Concen: 2.043 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV010688.D
 Acq: 07 May 2019 11:17

Tgt Ion: 173 Resp: 1559
 Ion Ratio Lower Upper
 173 100
 175 47.9 38.6 58.0
 254 0.0 6.5 9.7#

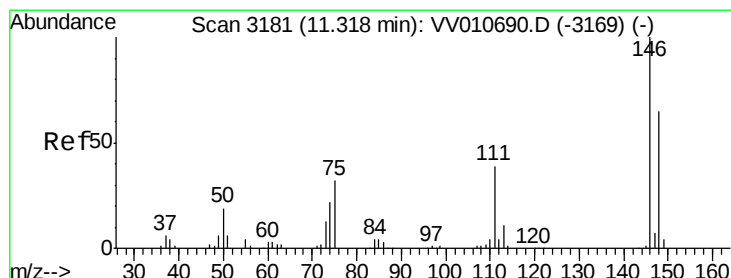
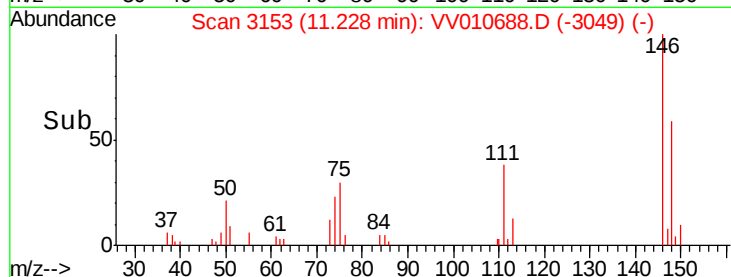
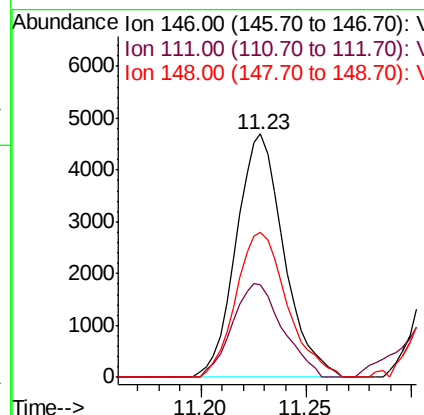
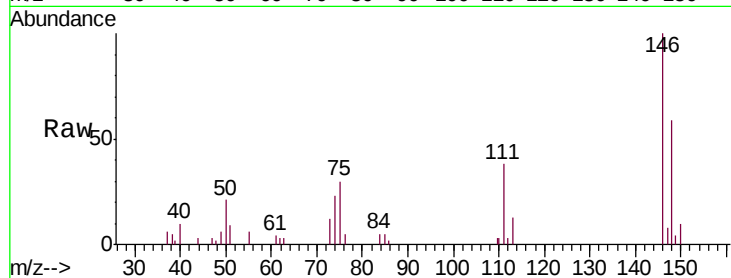




#63
 1,3-Dichlorobenzene
 Concen: 2.374 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV010688.D
 Acq: 07 May 2019 11:17

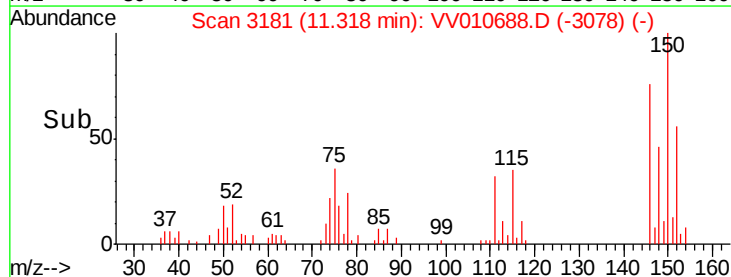
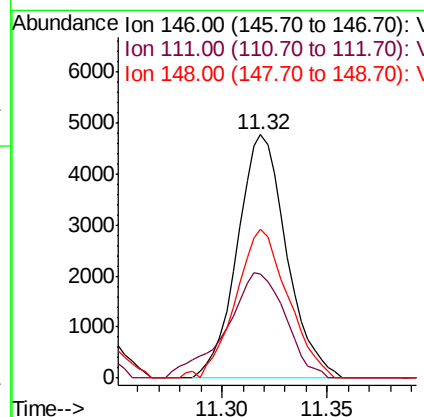
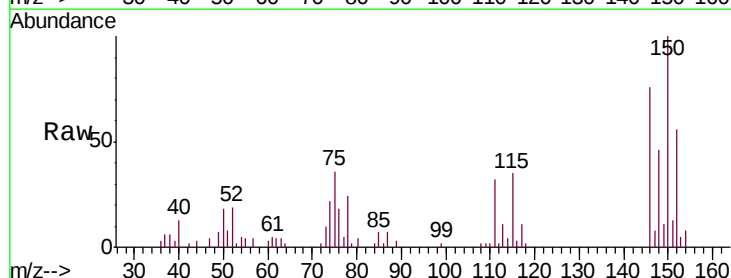
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

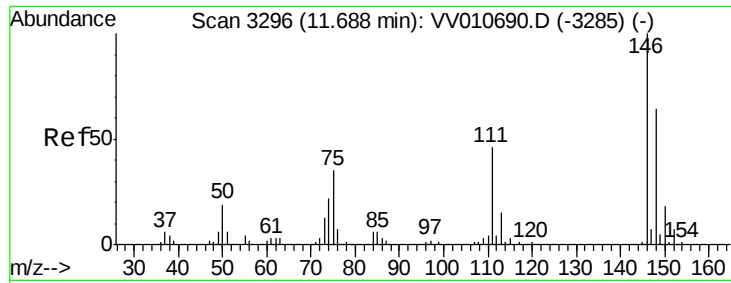
Tgt Ion:146 Resp: 7404
 Ion Ratio Lower Upper
 146 100
 111 38.2 30.6 56.8
 148 59.4 44.9 83.5



#64
 1,4-Dichlorobenzene
 Concen: 2.435 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV010688.D
 Acq: 07 May 2019 11:17

Tgt Ion:146 Resp: 7758
 Ion Ratio Lower Upper
 146 100
 111 42.9 27.4 50.8
 148 61.1 45.1 83.9





#65

1,2-Dichlorobenzene

Concen: 2.445 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010688.D

Acq: 07 May 2019 11:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

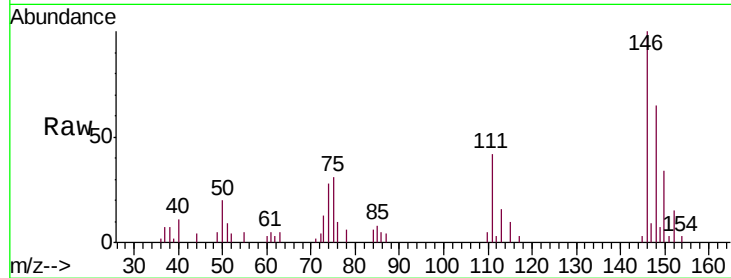
Tgt Ion:146 Resp: 7407

Ion Ratio Lower Upper

146 100

111 42.4 37.0 55.4

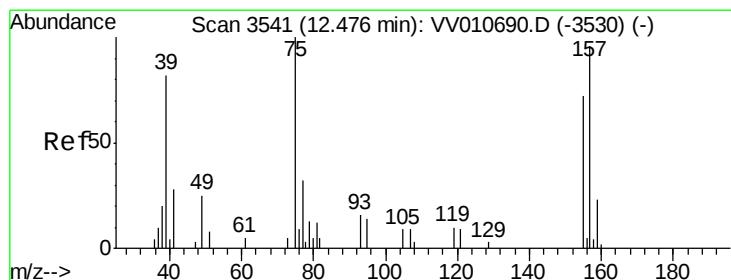
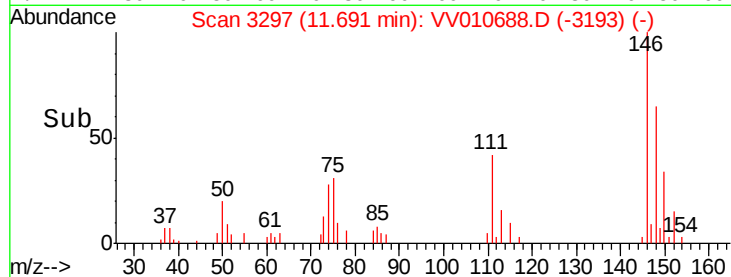
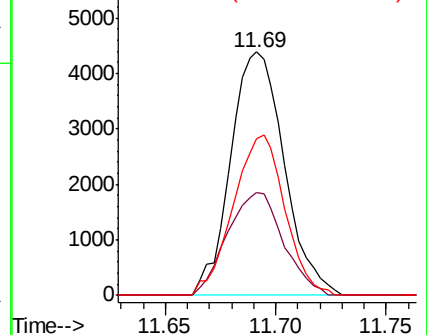
148 64.5 51.3 76.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 3.742 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. 0.22 min

Lab File: VV010688.D

Acq: 07 May 2019 11:17

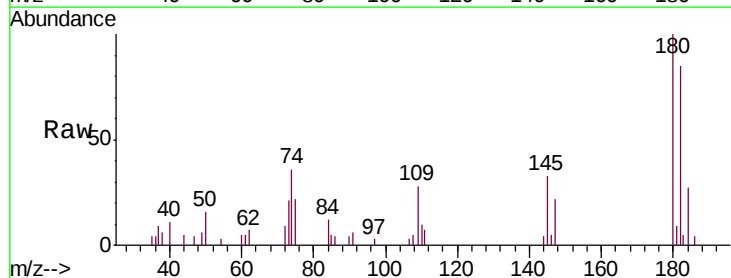
Tgt Ion: 75 Resp: 1052

Ion Ratio Lower Upper

75 100

157 0.0 76.9 115.3#

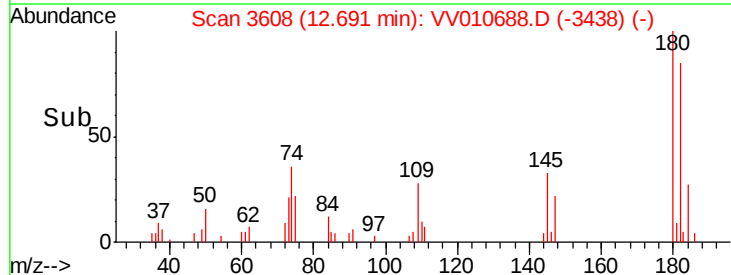
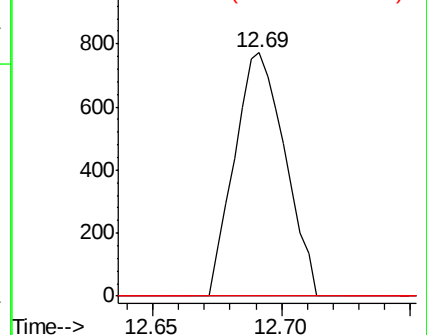
155 0.0 57.9 86.9#

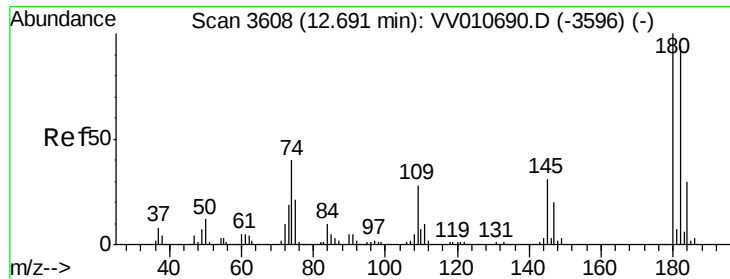


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

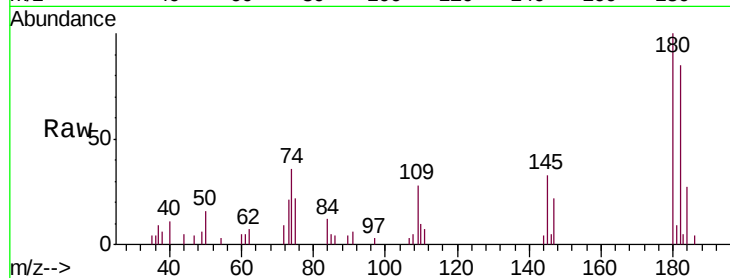




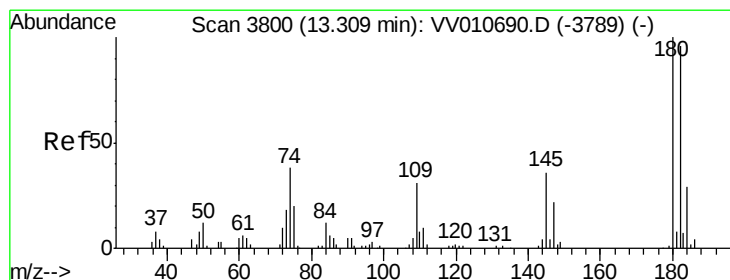
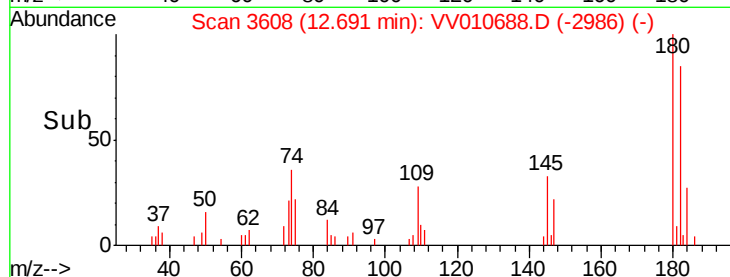
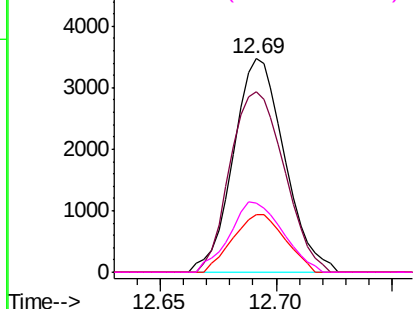
#67
 1,3,5-Trichlorobenzene
 Concen: 2.368 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV010688.D
 Acq: 07 May 2019 11:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

Tgt Ion:180 Resp: 5321
 Ion Ratio Lower Upper
 180 100
 182 89.3 74.7 112.1
 184 27.6 23.7 35.5
 145 34.2 26.0 39.0

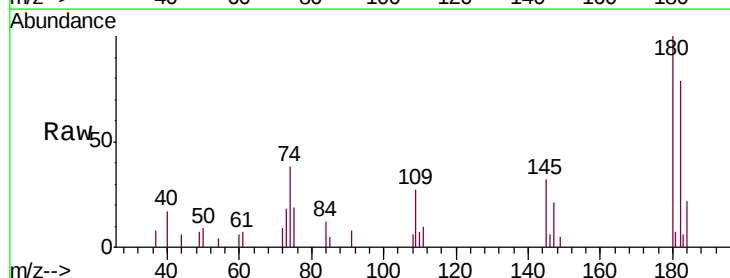


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

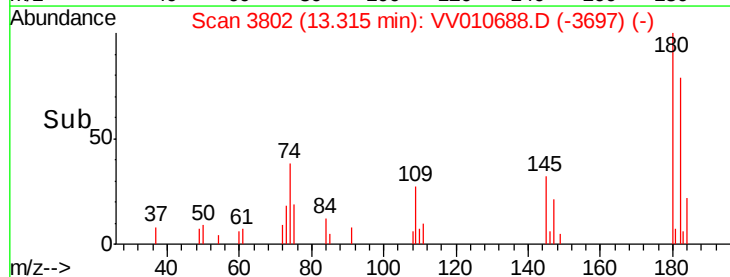
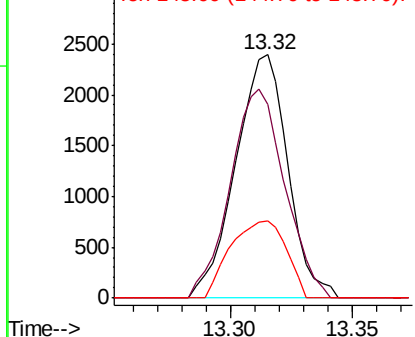


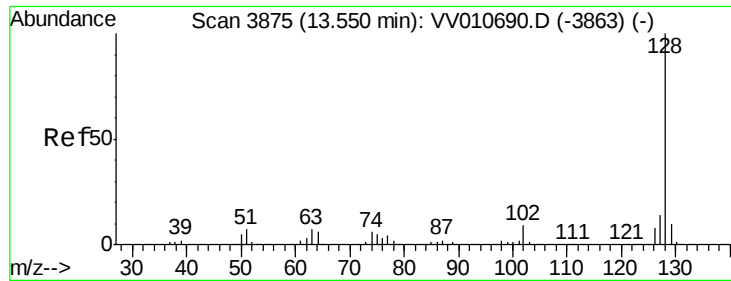
#68
 1,2,4-trichlorobenzene
 Concen: 2.040 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.01 min
 Lab File: VV010688.D
 Acq: 07 May 2019 11:17

Tgt Ion:180 Resp: 3547
 Ion Ratio Lower Upper
 180 100
 182 90.2 77.1 115.7
 145 33.9 28.3 42.5



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: 1.662 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV010688.D

Acq: 07 May 2019 11:17

Instrument :

MSVOA_V

ClientSampled :

VSTD2.561

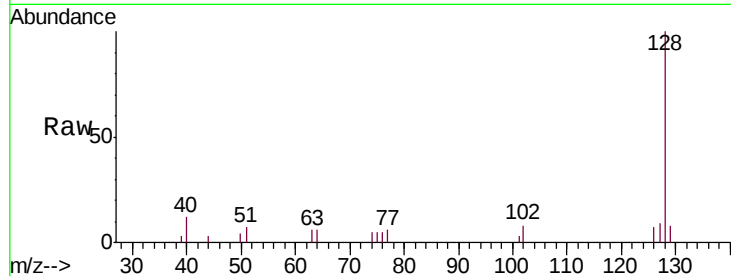
Tgt Ion:128 Resp: 6184

Ion Ratio Lower Upper

128 100

129 4.8 8.3 12.5#

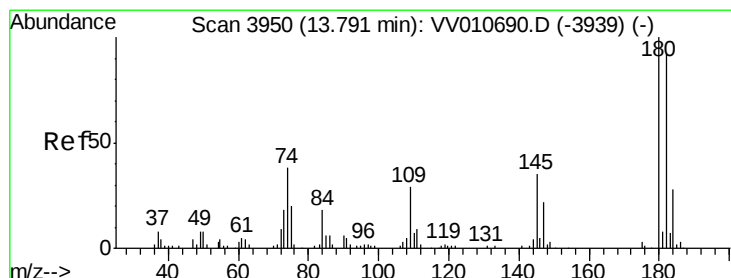
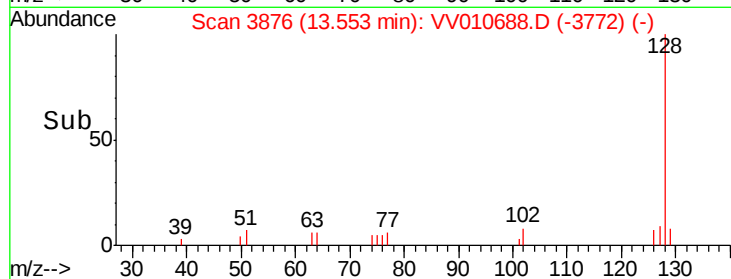
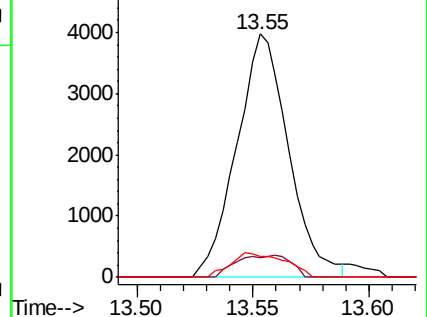
127 10.6 10.8 16.2#



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: 1.976 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV010688.D

Acq: 07 May 2019 11:17

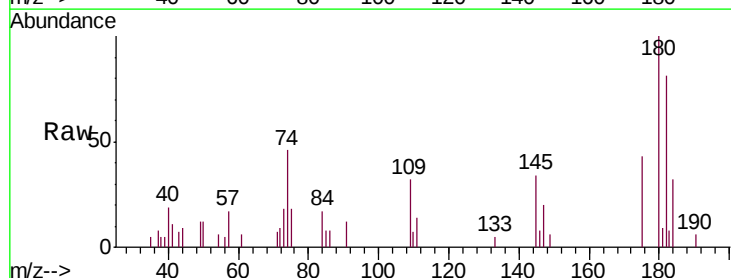
Tgt Ion:180 Resp: 3222

Ion Ratio Lower Upper

180 100

182 91.8 74.3 111.5

145 39.4 28.5 42.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

