

Data File : VV012079.D
Acq On : 30 Jul 2019 19:19
Operator : SY/MD
Sample : VSTDICV005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV32

Quant Time: Jul 31 05:36:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 05:31:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	125615	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	118755	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	67607	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29229	4.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.00%
7) Chloroethane-d5	1.59	69	21615	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.13	63	58812	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.60%
20) 2-Butanone-d5	3.97	46	81374	49.70	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.40%
24) Chloroform-d	4.40	84	72952	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.09	65	42041	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.10	84	148599	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.12	67	40885	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.36	98	143752	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
43) trans-1,3-Dichloropropene-	7.66	79	18139	4.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.80%
46) 2-Hexanone-d5	8.14	63	64438	51.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.74%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	29316	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	59796	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	71363	5.123	ug/L 100
3) Chloromethane	1.25	50	33771	5.073	ug/L 98
5) Vinyl chloride	1.32	62	36527	5.026	ug/L 97
6) Bromomethane	1.54	94	23855	5.291	ug/L 100
8) Chloroethane	1.60	64	20265	5.004	ug/L 93
9) Trichlorofluoromethane	1.77	101	72130	5.112	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	30801	5.123	ug/L 98
12) 1,1-Dichloroethene	2.14	96	27323	4.957	ug/L 97
13) Acetone	2.23	43	41920	50.312	ug/L 97
14) Carbon disulfide	2.32	76	78038	5.181	ug/L 98
15) Methyl Acetate	2.47	43	9263	4.897	ug/L 91
16) Methylene chloride	2.54	84	26558	4.635	ug/L 95
17) Methyl tert-butyl Ether	2.81	73	93616	5.110	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	40777	4.967	ug/L 95
19) 1,1-Dichloroethane	3.23	63	72546	4.964	ug/L 97
21) 2-Butanone	4.05	43	83696	50.659	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	43751	4.964	ug/L 99

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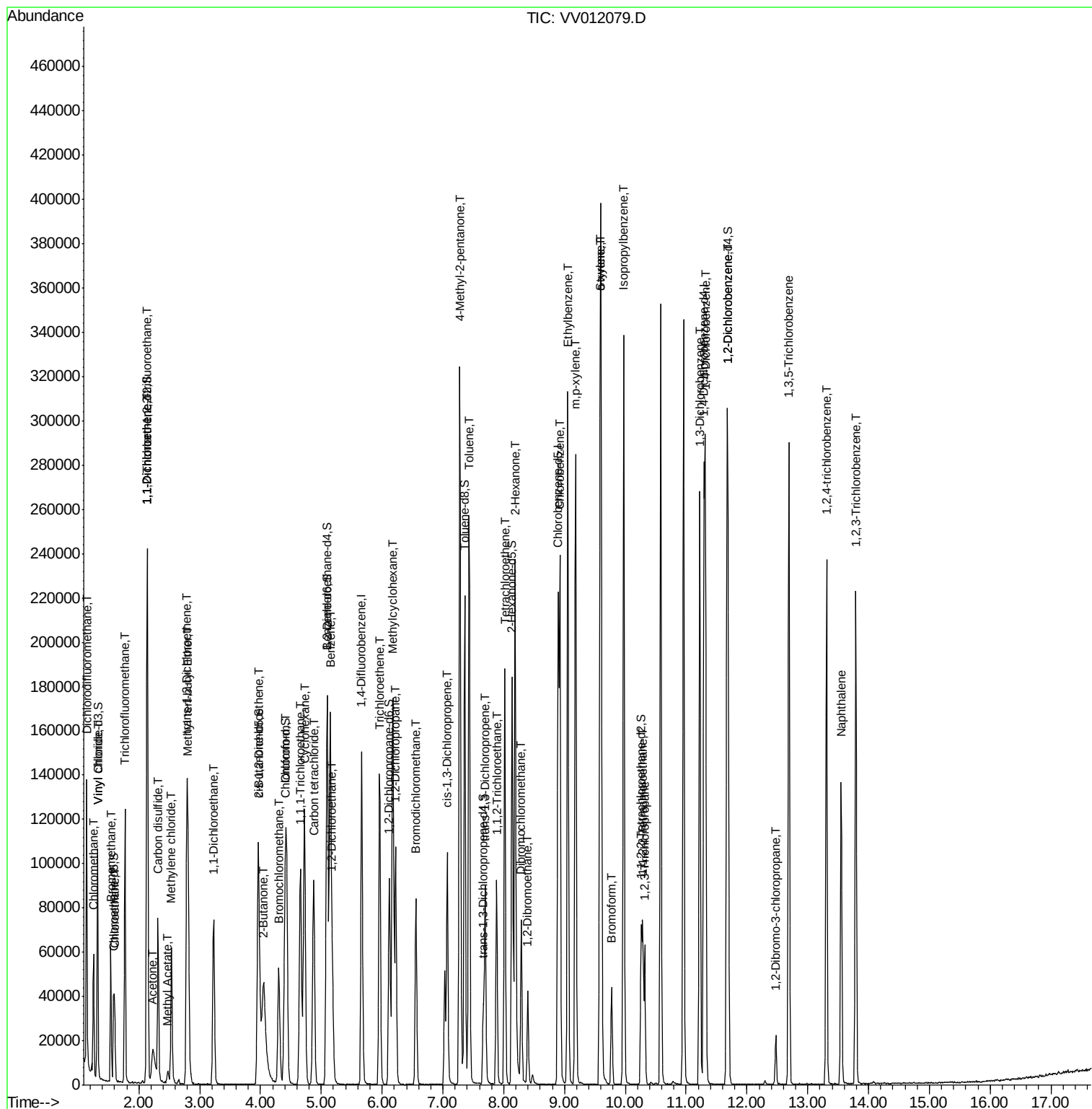
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	19422	4.906	ug/L	94
25) Chloroform	4.43	83	89096	4.695	ug/L	99
27) 1,2-Dichloroethane	5.18	62	51797	4.960	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	78194	5.068	ug/L	99
30) Cyclohexane	4.72	56	62181	5.287	ug/L	98
31) Carbon tetrachloride	4.87	117	69445	5.016	ug/L	99
33) Benzene	5.15	78	163599	5.197	ug/L	100
34) Trichloroethene	5.96	95	44250	4.874	ug/L	95
35) Methylcyclohexane	6.17	83	71670	5.212	ug/L	98
37) 1,2-Dichloropropane	6.22	63	35974	4.941	ug/L	100
38) Bromodichloromethane	6.56	83	54844	5.129	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	57777	5.101	ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	209628	52.900	ug/L	100
42) Toluene	7.43	91	181293	5.268	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	48391	5.291	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	27116	4.996	ug/L	99
47) Tetrachloroethene	8.02	164	43249	5.240	ug/L	98
48) 2-Hexanone	8.19	43	146650	53.210	ug/L	99
49) Dibromochloromethane	8.29	129	36902	5.239	ug/L	98
50) 1,2-Dibromoethane	8.40	107	26918	5.179	ug/L #	99
51) Chlorobenzene	8.92	112	119645	5.129	ug/L	99
52) Ethylbenzene	9.05	91	209254	5.277	ug/L	98
53) m,p-xylene	9.18	106	80929	5.321	ug/L	94
54) o-xylene	9.59	106	78568	5.388	ug/L	98
55) Styrene	9.60	104	133723	5.407	ug/L	98
56) Isopropylbenzene	9.97	105	214548	5.310	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	30405	5.074	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	22907	5.060	ug/L	99
61) Bromoform	9.77	173	20118	5.007	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	109108	5.233	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	108529	5.101	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	98100	5.209	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	5594	5.529	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	90569	5.308	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	74395	5.397	ug/L	98
69) Naphthalene	13.55	128	108843	5.867	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	67870	5.532	ug/L	99

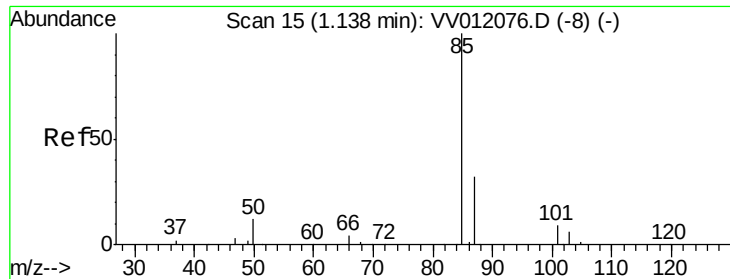
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.123 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012079.D

Acq: 30 Jul 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

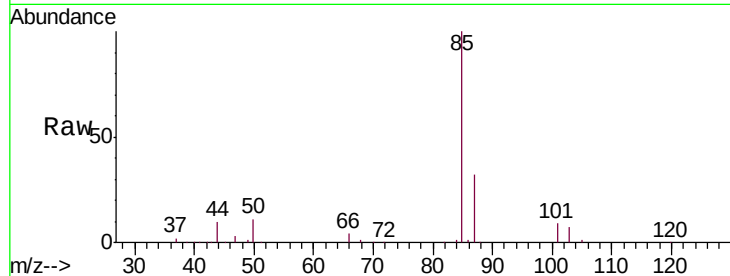
VICV32

Tgt Ion: 85 Resp: 71363

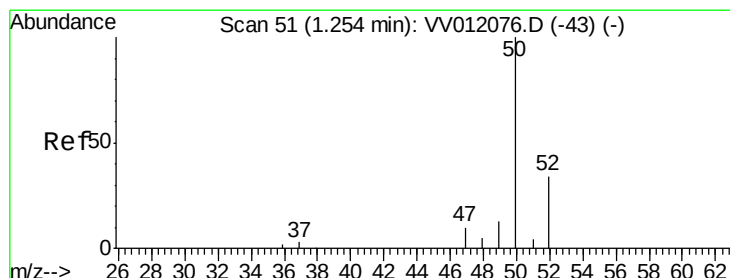
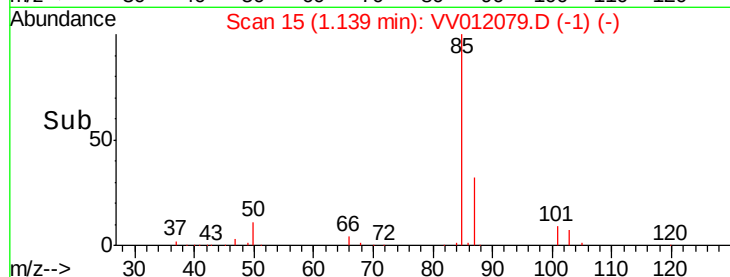
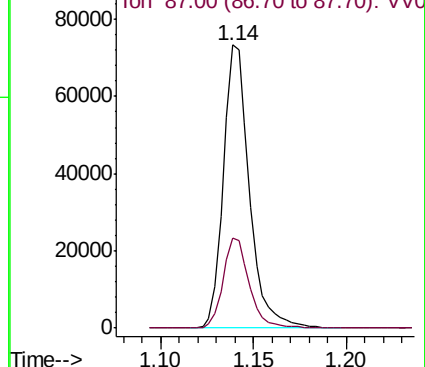
Ion Ratio Lower Upper

85 100

87 31.8 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV012076.D (-8) (-)



#3

Chloromethane

Concen: 5.073 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012079.D

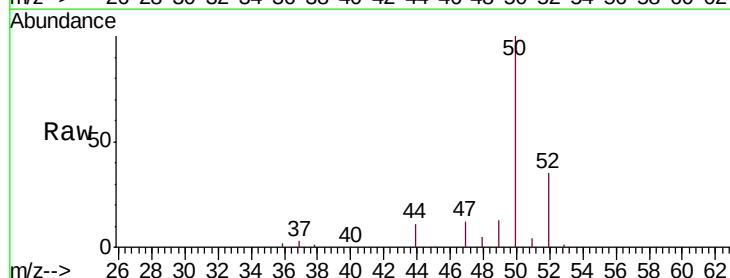
Acq: 30 Jul 2019 19:19

Tgt Ion: 50 Resp: 33771

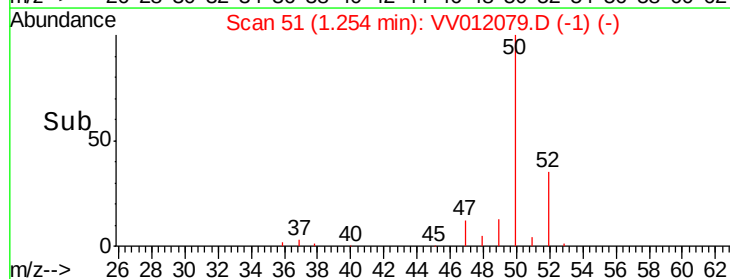
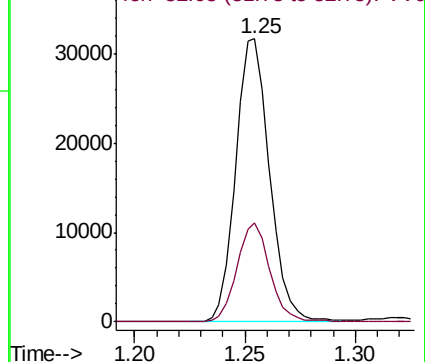
Ion Ratio Lower Upper

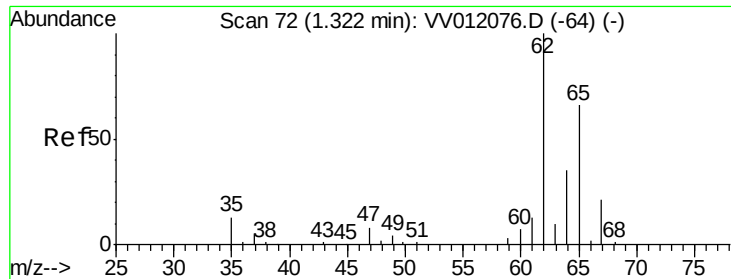
50 100

52 35.1 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VV012076.D (-43) (-)





#5

Vinyl chloride

Concen: 5.026 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012079.D

Acq: 30 Jul 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

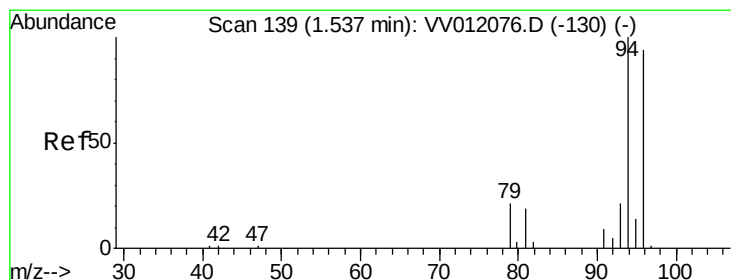
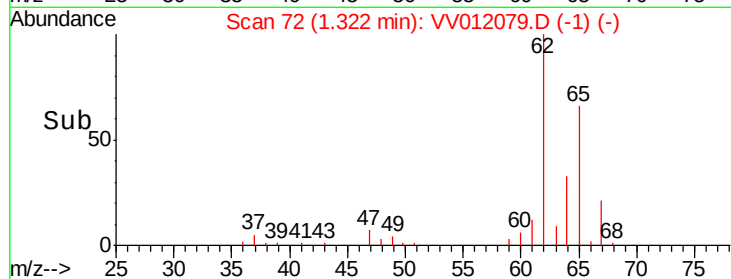
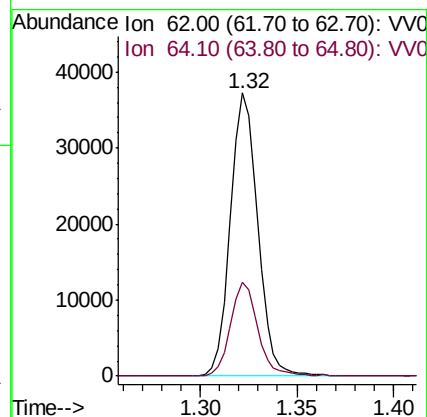
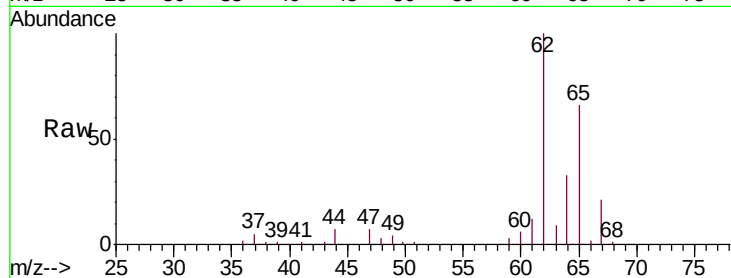
VICV32

Tgt Ion: 62 Resp: 36527

Ion Ratio Lower Upper

62 100

64 33.2 24.3 45.1



#6

Bromomethane

Concen: 5.291 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012079.D

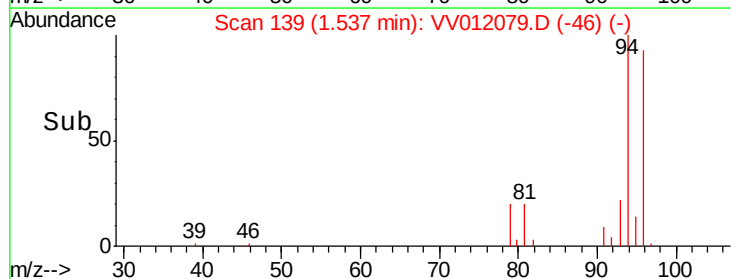
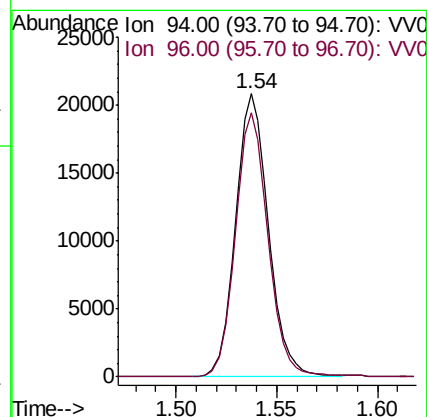
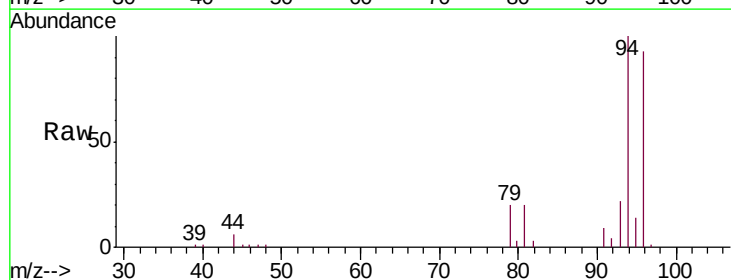
Acq: 30 Jul 2019 19:19

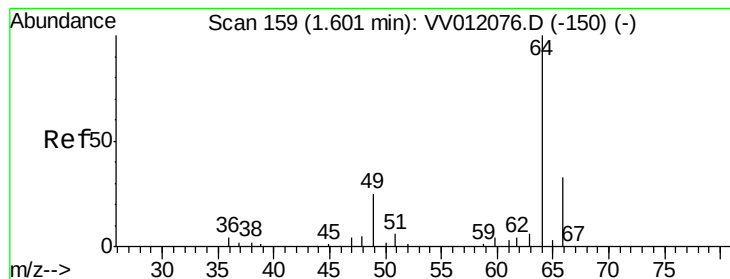
Tgt Ion: 94 Resp: 23855

Ion Ratio Lower Upper

94 100

96 93.3 65.6 121.8





#8

Chloroethane

Concen: 5.004 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV012079.D

Acq: 30 Jul 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

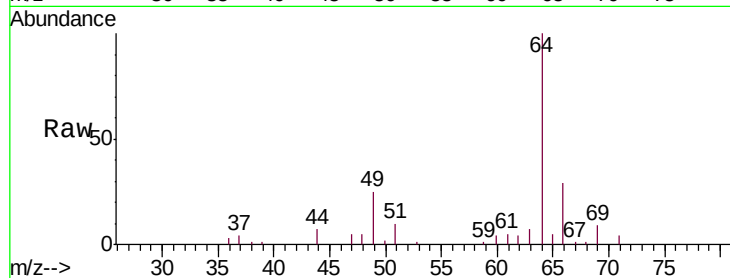
VICV32

Tgt Ion: 64 Resp: 20265

Ion Ratio Lower Upper

64 100

66 29.1 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VV012076.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV012079.D (-66) (-)

1.60

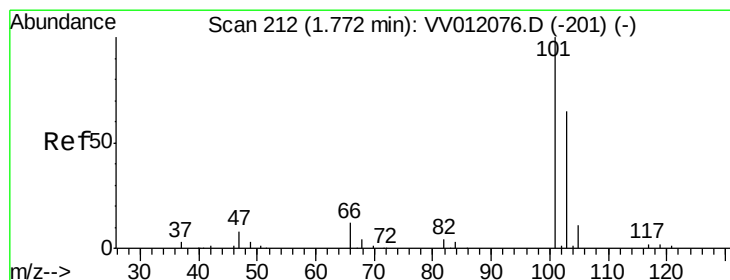
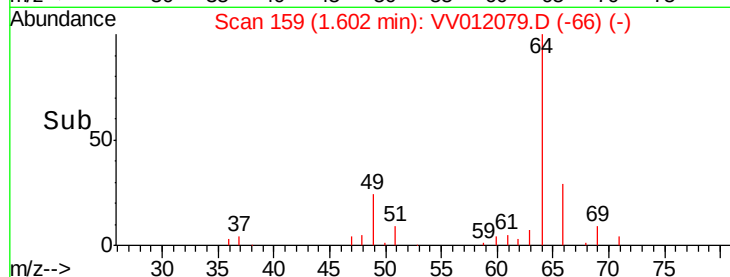
15000

10000

5000

0

Time-->



#9

Trichlorofluoromethane

Concen: 5.112 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV012079.D

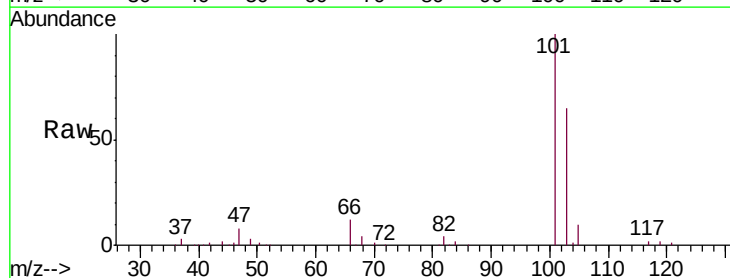
Acq: 30 Jul 2019 19:19

Tgt Ion: 101 Resp: 72130

Ion Ratio Lower Upper

101 100

103 63.7 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV012076.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV012079.D (-119) (-)

1.77

60000

50000

40000

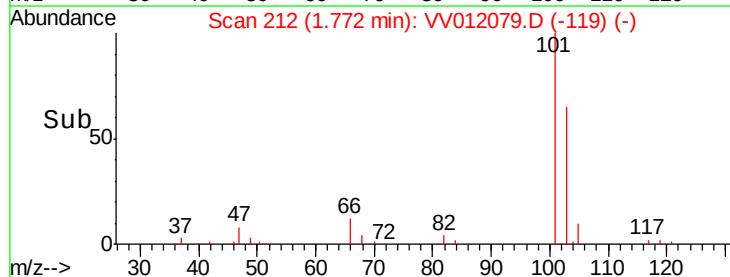
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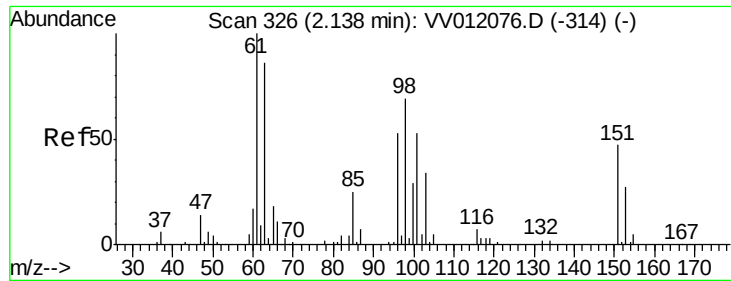
20000

10000

0

Time-->





#10

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

Concen: 5.123 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012079.D

Acq: 30 Jul 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

VICV32

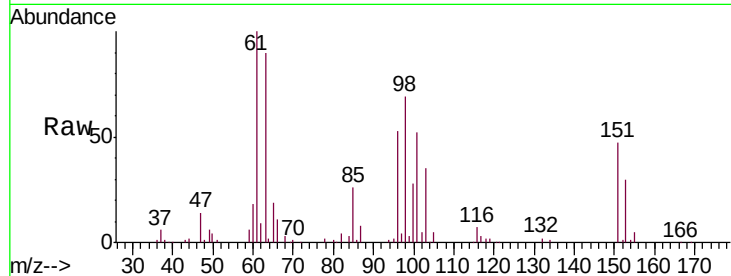
Tgt Ion:101 Resp: 30801

Ion Ratio Lower Upper

101 100

85 45.2 37.4 56.2

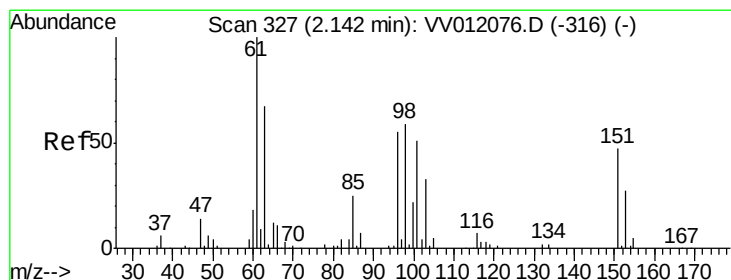
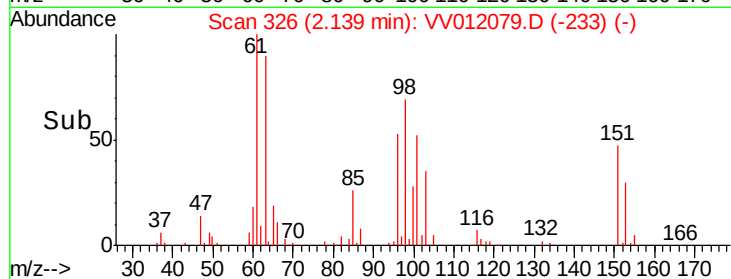
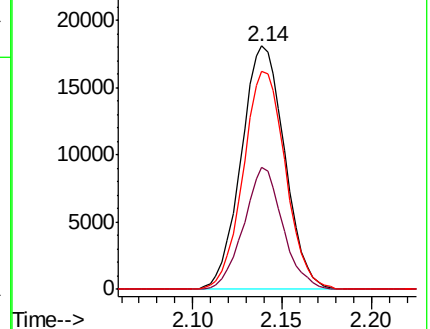
151 87.4 69.1 103.7



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: 4.957 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012079.D

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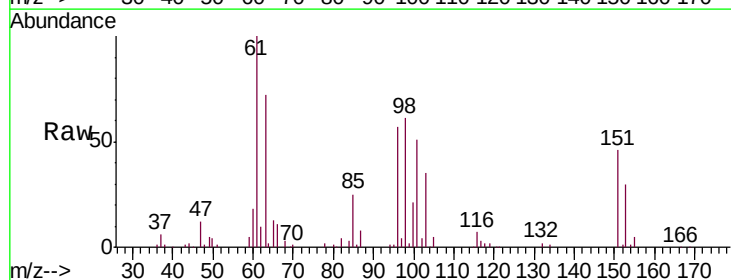
Tgt Ion: 96 Resp: 27323

Ion Ratio Lower Upper

96 100

61 176.3 126.9 235.7

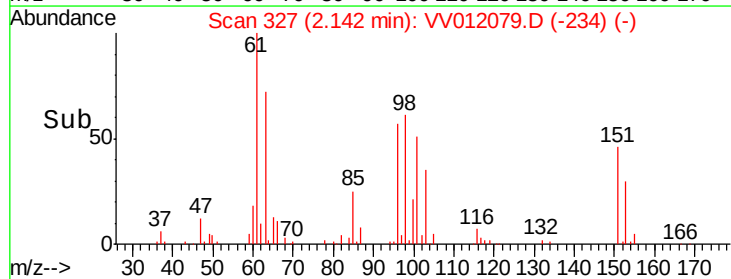
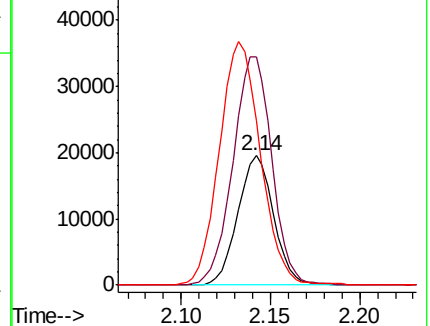
63 126.5 87.6 162.8

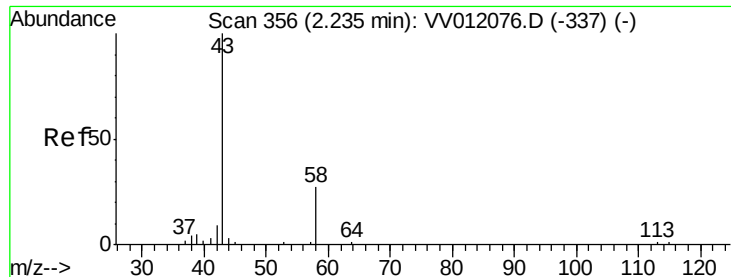


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 50.312 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.01 min

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MSVOA_V

ClientSampled :

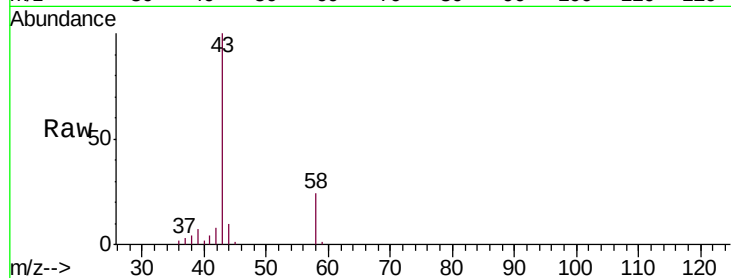
VICV32

Tgt Ion: 43 Resp: 41920

Ion Ratio Lower Upper

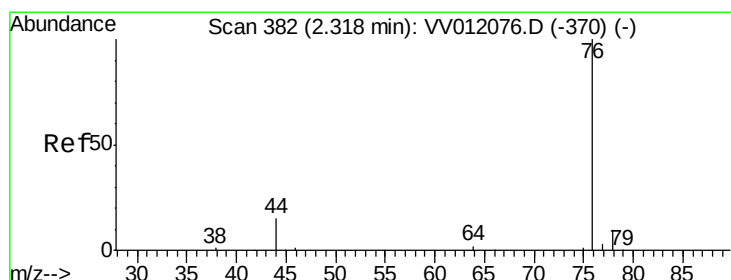
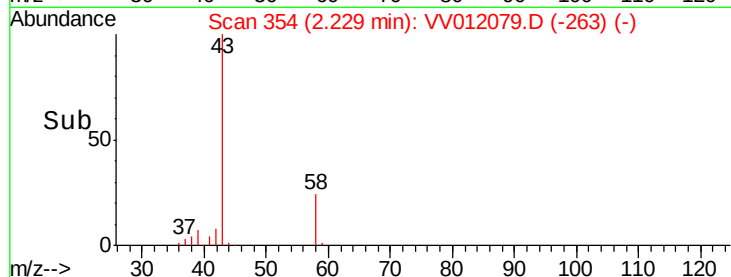
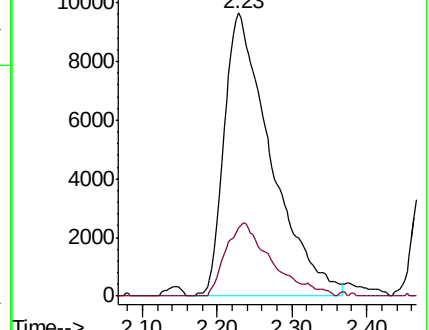
43 100

58 24.0 0.0 51.0



Abundance Ion 43.05 (42.75 to 43.75): VV012076.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV012076.D (-337) (-)



#14

Carbon disulfide

Concen: 5.181 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV012079.D

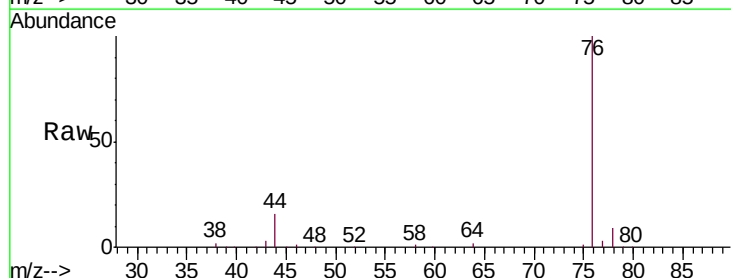
Acq: 30 Jul 2019 19:19

Tgt Ion: 76 Resp: 78038

Ion Ratio Lower Upper

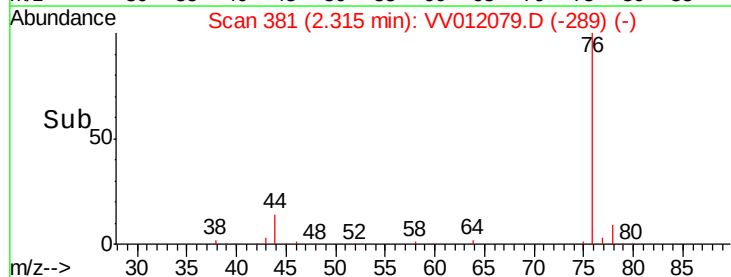
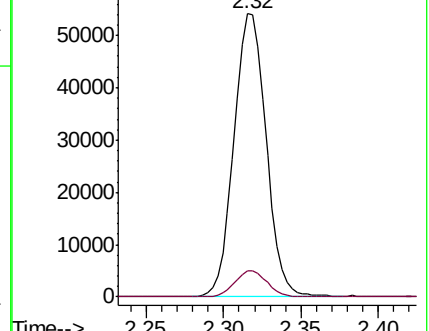
76 100

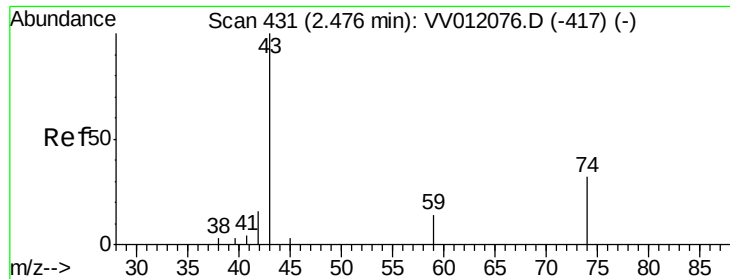
78 9.0 7.9 11.9



Abundance Ion 76.05 (75.75 to 76.75): VV012076.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV012076.D (-370) (-)

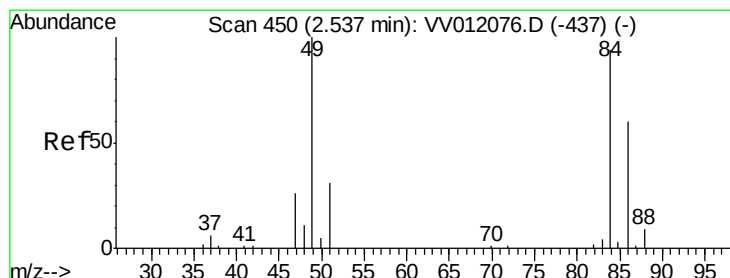
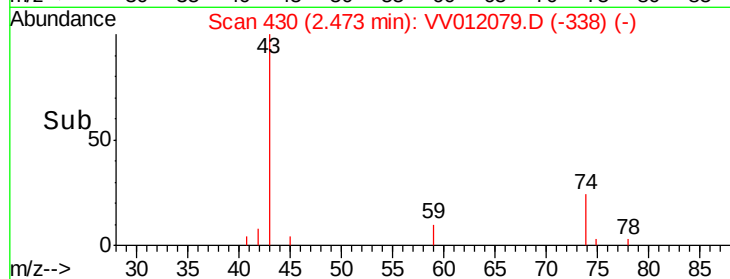
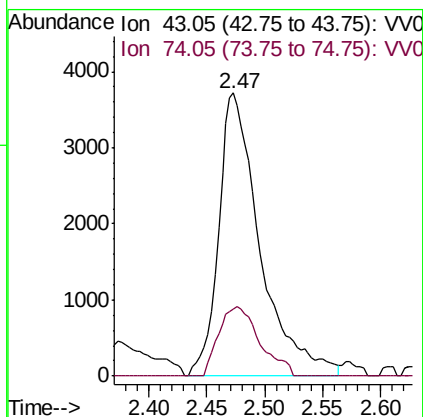
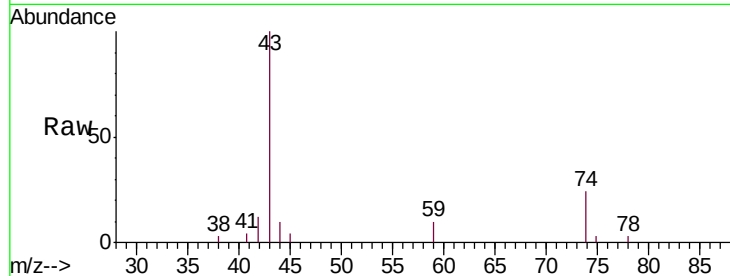




#15
Methyl Acetate
Concen: 4.897 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV012079.D
Acq: 30 Jul 2019 19:19

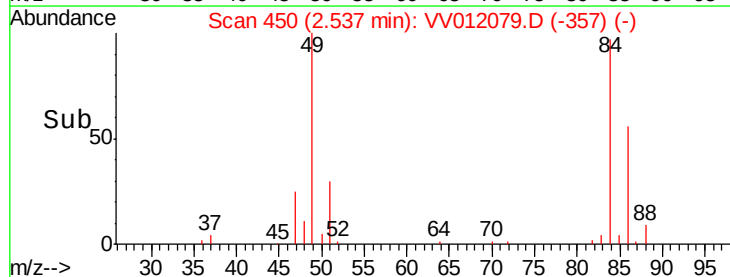
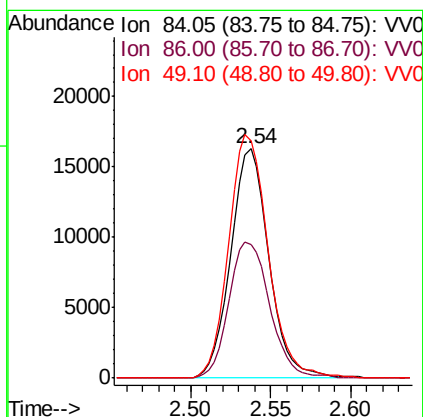
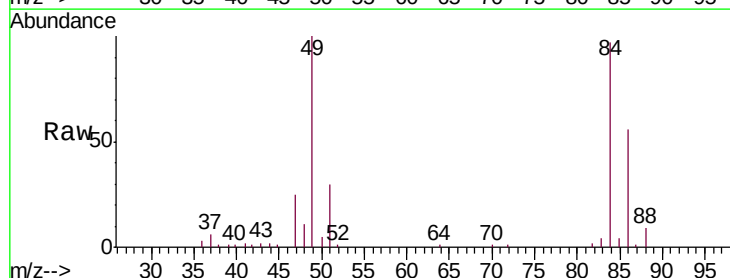
Instrument :
MSVOA_V
ClientSampleId :
VICV32

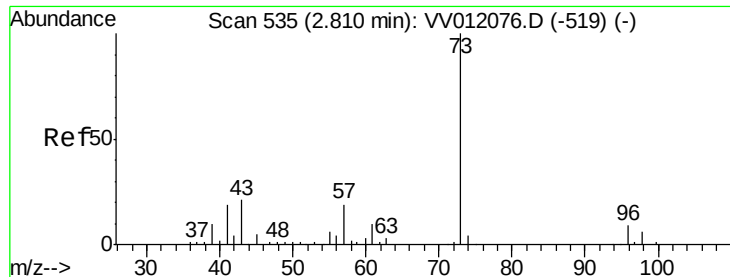
Tgt Ion: 43 Resp: 9263
Ion Ratio Lower Upper
43 100
74 24.3 23.4 35.0



#16
Methylene chloride
Concen: 4.635 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV012079.D
Acq: 30 Jul 2019 19:19

Tgt Ion: 84 Resp: 26558
Ion Ratio Lower Upper
84 100
86 58.2 45.0 83.6
49 103.5 74.4 138.2

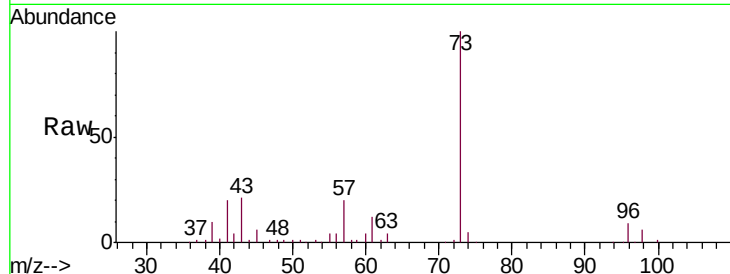




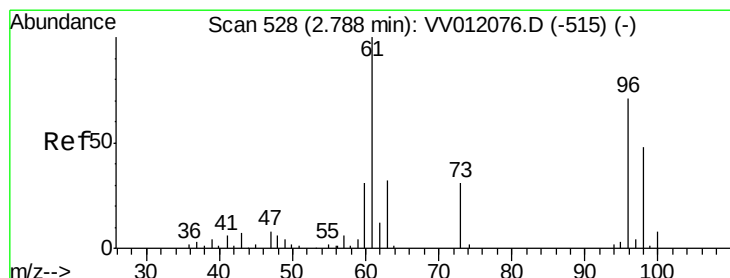
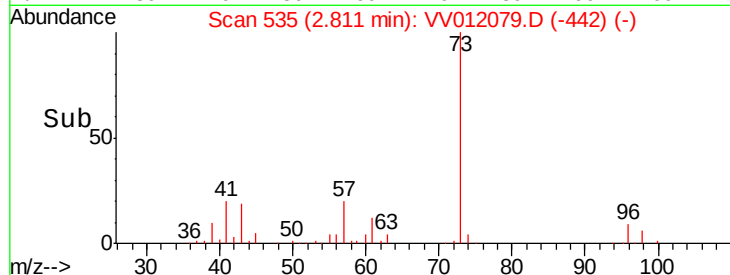
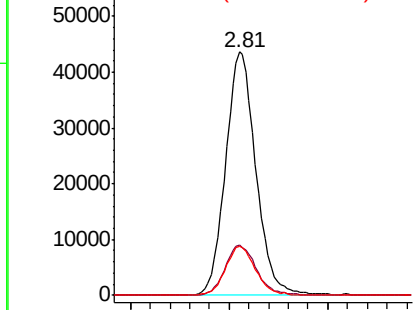
#17
Methyl tert-butyl Ether
Concen: 5.110 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV012079.D
Acq: 30 Jul 2019 19:19

Instrument :
MSVOA_V
ClientSampleId :
VICV32

Tgt Ion: 73 Resp: 93616
Ion Ratio Lower Upper
73 100
43 21.5 17.2 25.8
57 20.0 15.1 22.7

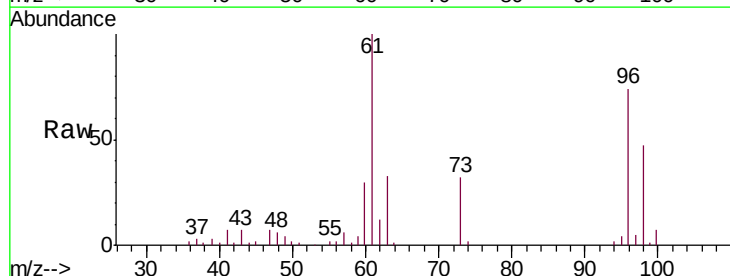


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

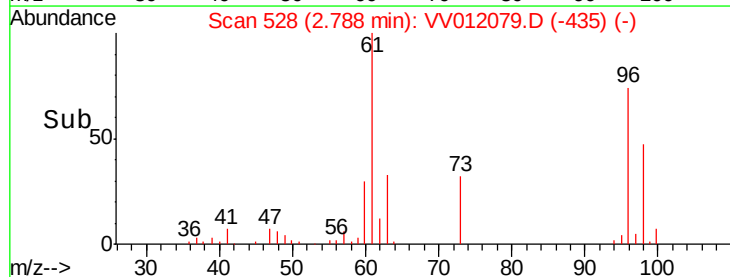
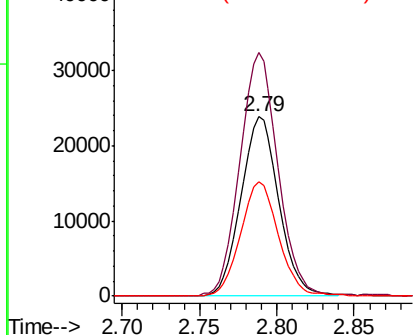


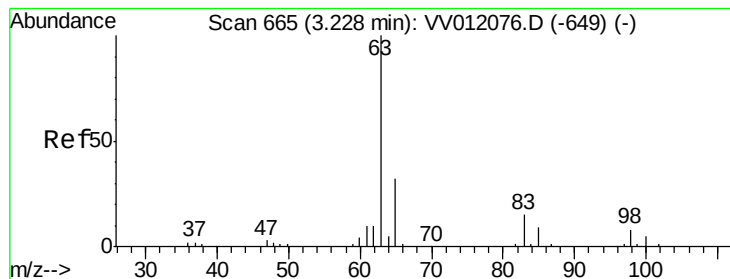
#18
trans-1,2-Dichloroethene
Concen: 4.967 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV012079.D
Acq: 30 Jul 2019 19:19

Tgt Ion: 96 Resp: 40777
Ion Ratio Lower Upper
96 100
61 135.8 99.0 184.0
98 63.8 47.9 88.9



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





#19

1,1-Dichloroethane

Concen: 4.964 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV012079.D

Acq: 30 Jul 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

VICV32

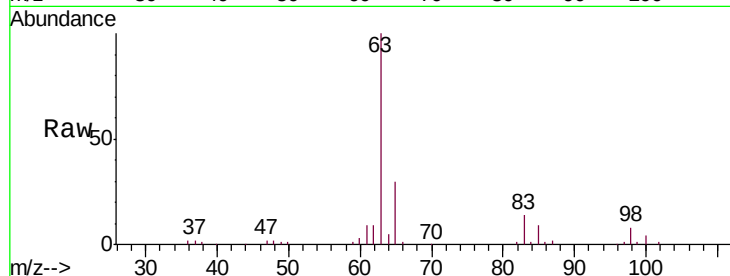
Tgt Ion: 63 Resp: 72546

Ion Ratio Lower Upper

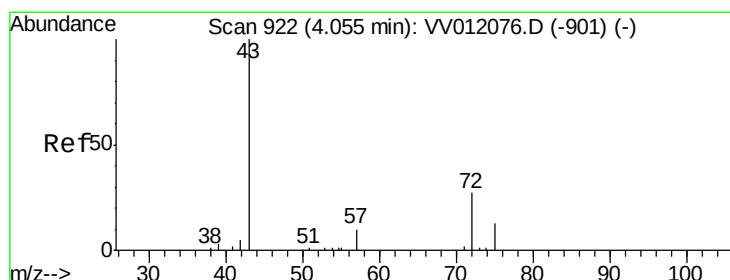
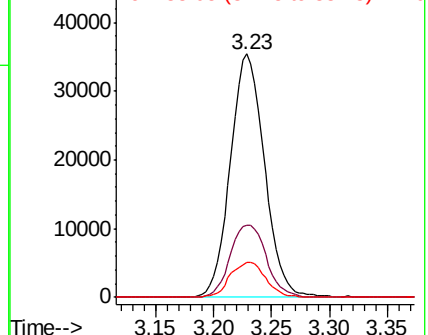
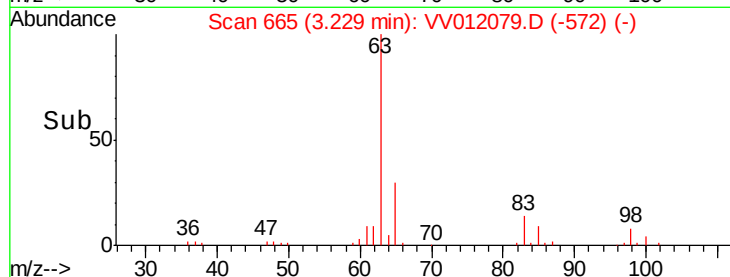
63 100

65 29.7 22.3 41.3

83 14.2 10.4 19.2



Abundance Ion 63.10 (62.80 to 63.80): VV012079.D (-572) (-)



#21

2-Butanone

Concen: 50.659 ug/L

RT: 4.05 min Scan# 922

Delta R.T. 0.00 min

Lab File: VV012079.D

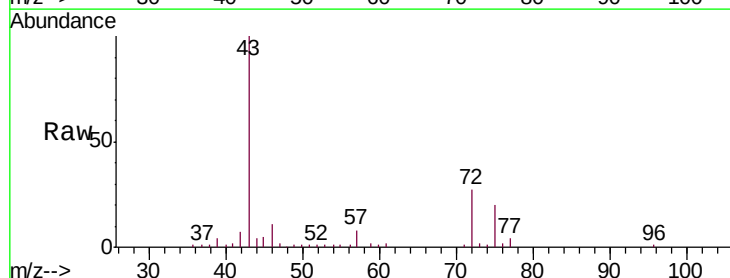
Acq: 30 Jul 2019 19:19

Tgt Ion: 43 Resp: 83696

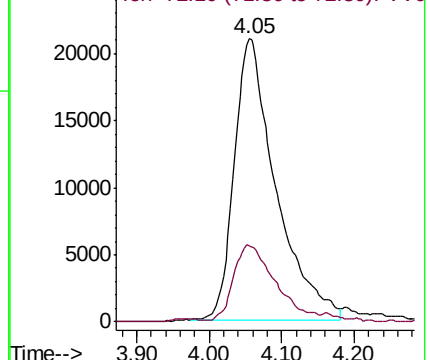
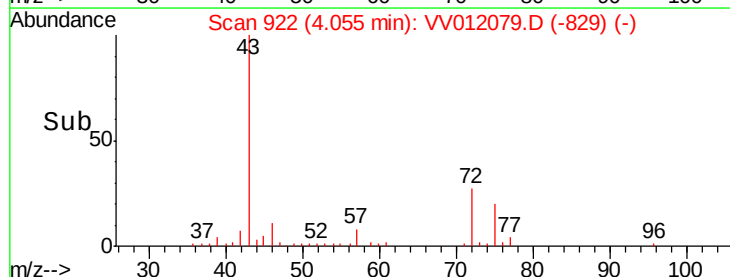
Ion Ratio Lower Upper

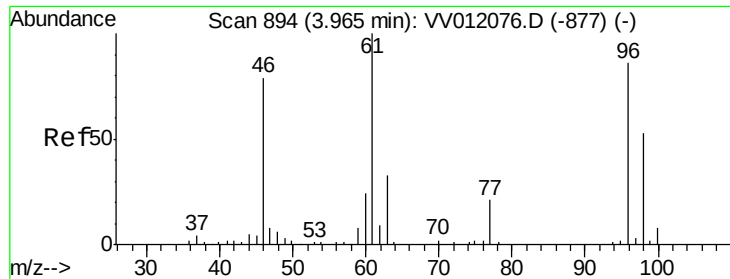
43 100

72 27.0 14.0 42.0



Abundance Ion 43.05 (42.75 to 43.75): VV012079.D (-829) (-)



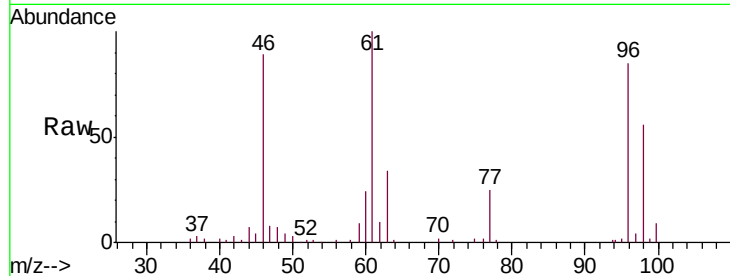


#22

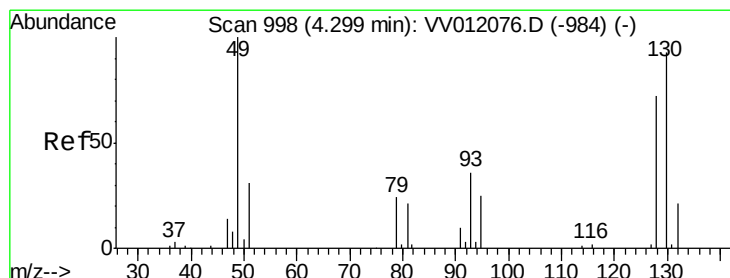
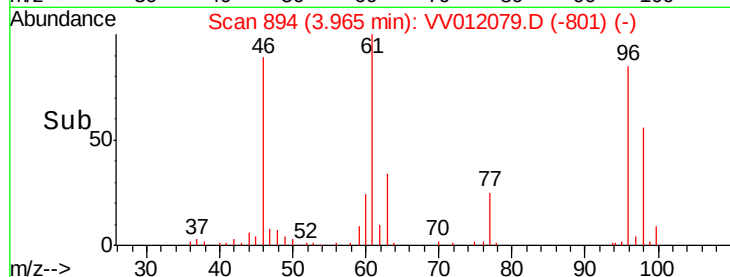
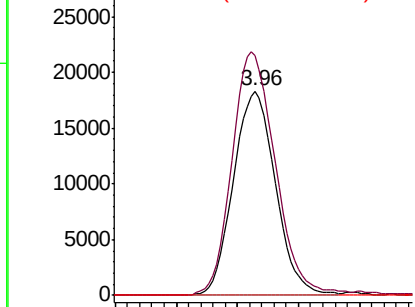
cis-1,2-Dichloroethene
 Concen: 4.964 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV012079.D
 Acq: 30 Jul 2019 19:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV32

Tgt Ion: 96 Resp: 43751
 Ion Ratio Lower Upper
 96 100
 61 117.3 81.5 151.5
 68 0.0 0.0 0.0



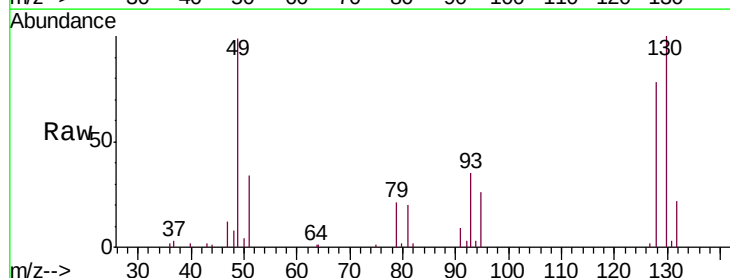
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



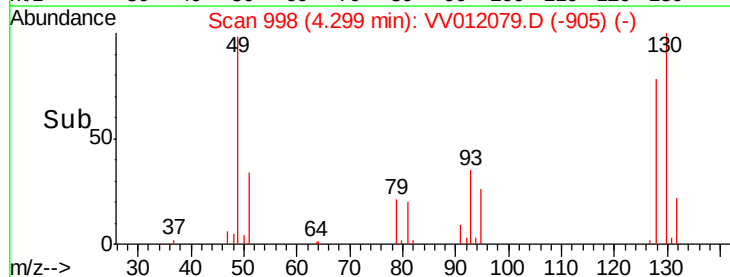
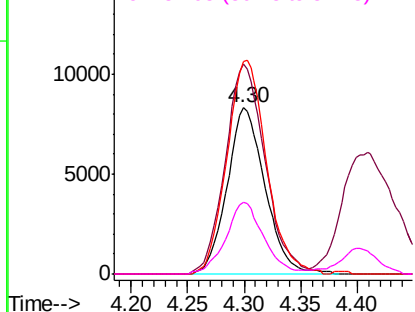
#23

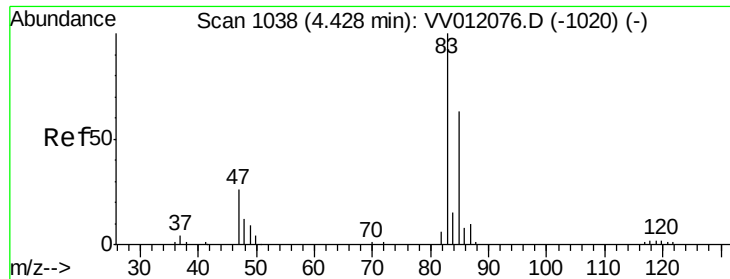
Bromochloromethane
 Concen: 4.906 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV012079.D
 Acq: 30 Jul 2019 19:19

Tgt Ion: 128 Resp: 19422
 Ion Ratio Lower Upper
 128 100
 49 126.5 97.9 181.7
 130 127.9 90.9 168.9
 51 42.9 34.6 51.8



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

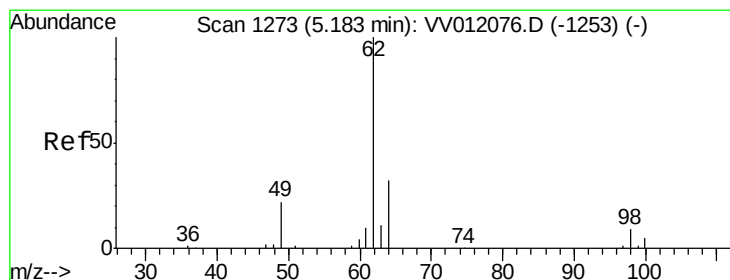
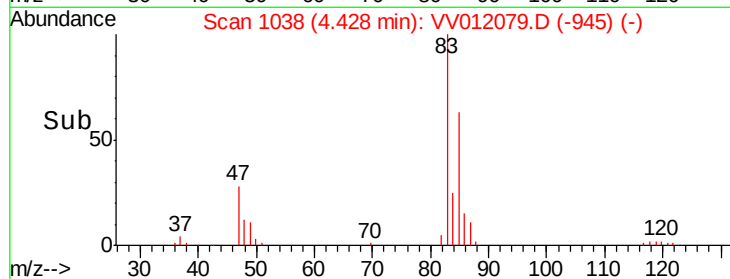
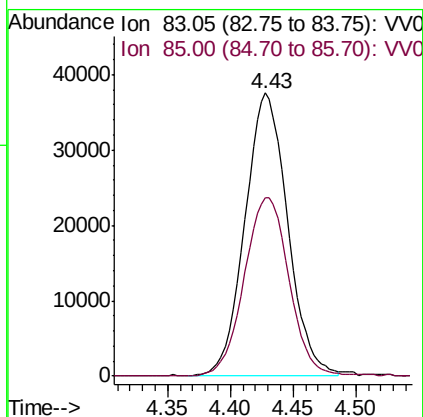
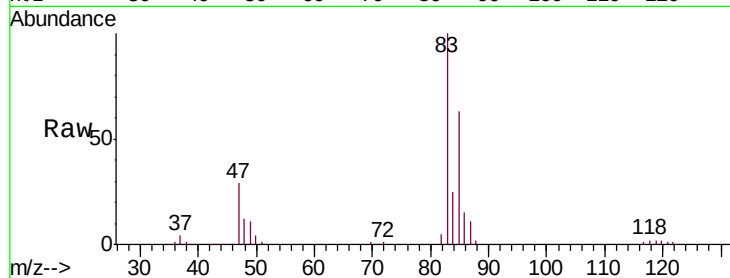




#25
Chloroform
Concen: 4.695 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012079.D
Acq: 30 Jul 2019 19:19

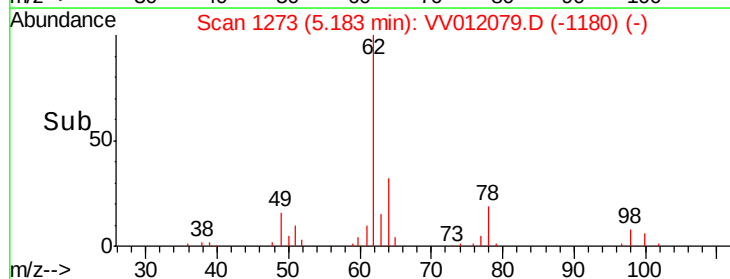
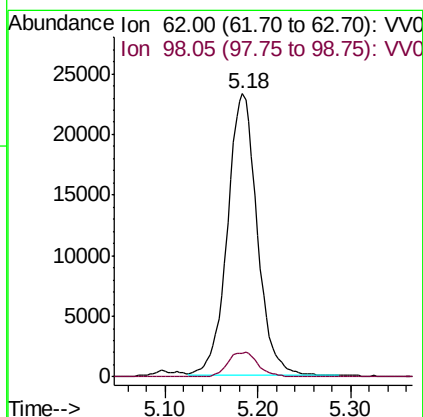
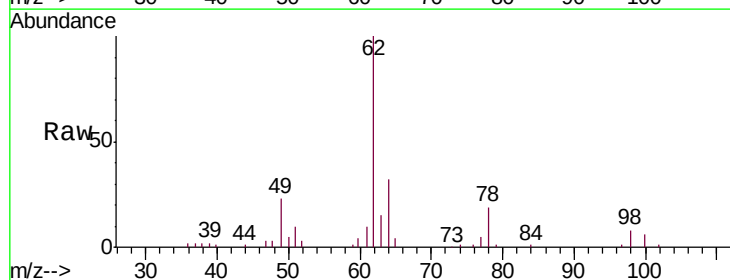
Instrument :
MSVOA_V
ClientSampleId :
VICV32

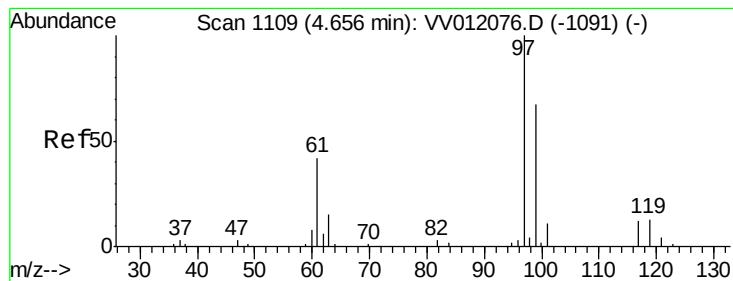
Tgt Ion: 83 Resp: 89096
Ion Ratio Lower Upper
83 100
85 63.0 44.7 83.1



#27
1,2-Dichloroethane
Concen: 4.960 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV012079.D
Acq: 30 Jul 2019 19:19

Tgt Ion: 62 Resp: 51797
Ion Ratio Lower Upper
62 100
98 8.5 7.3 10.9





#29

1,1,1-Trichloroethane

Concen: 5.068 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV012079.D

Acq: 30 Jul 2019 19:19

Instrument :

MSVOA_V

ClientSampled :

VICV32

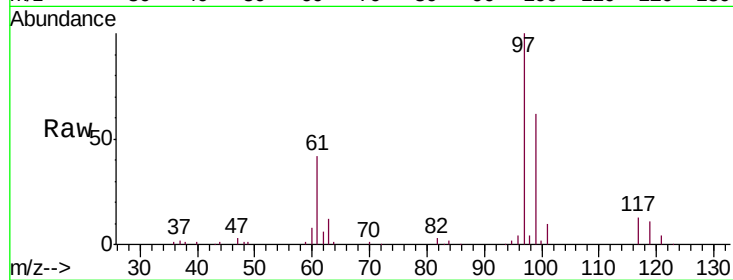
Tgt Ion: 97 Resp: 78194

Ion Ratio Lower Upper

97 100

99 64.3 51.7 77.5

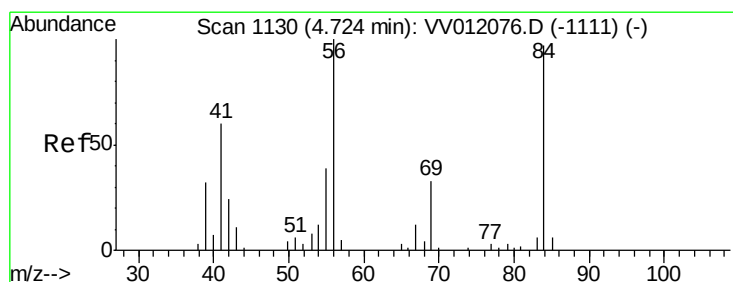
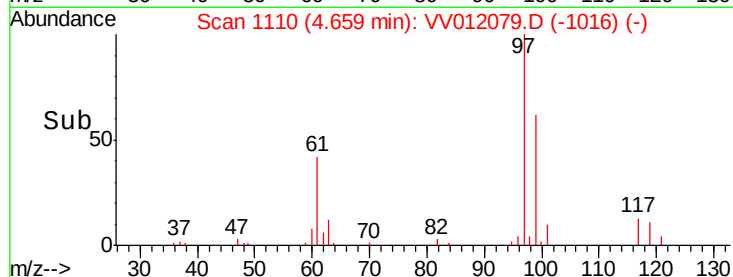
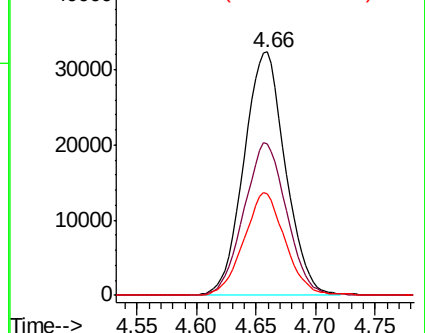
61 42.1 34.2 51.2



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 5.287 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV012079.D

Acq: 30 Jul 2019 19:19

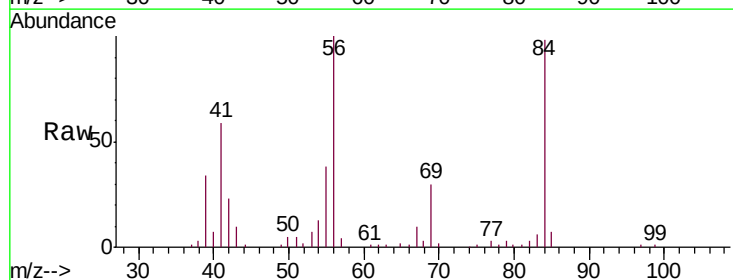
Tgt Ion: 56 Resp: 62181

Ion Ratio Lower Upper

56 100

69 32.2 26.0 39.0

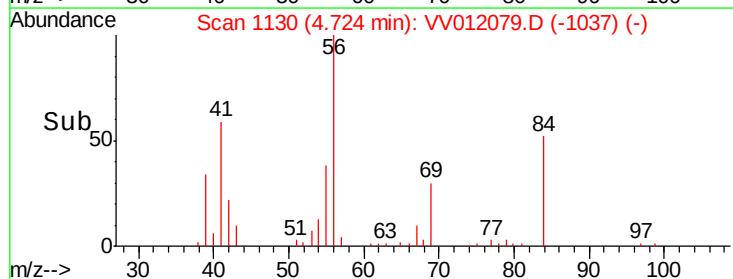
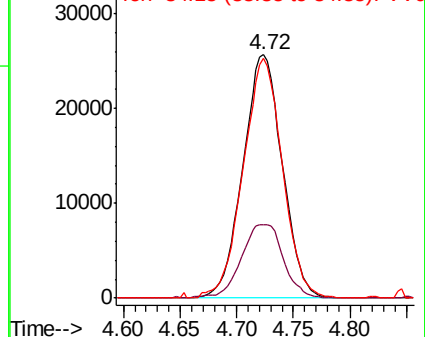
84 98.0 79.9 119.9

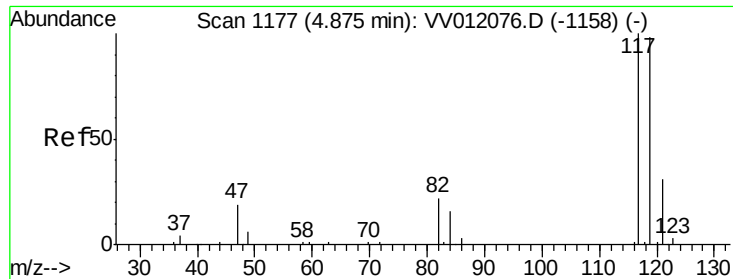


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.016 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012079.D

Acq: 30 Jul 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

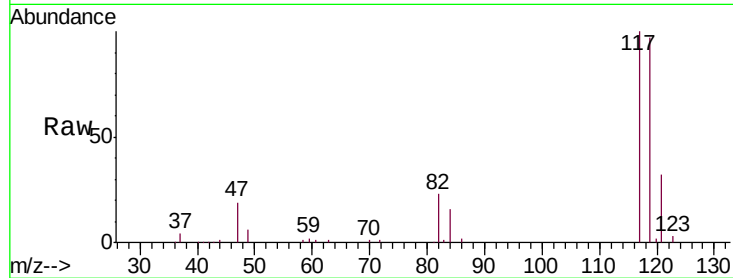
VICV32

Tgt Ion:117 Resp: 69445

Ion Ratio Lower Upper

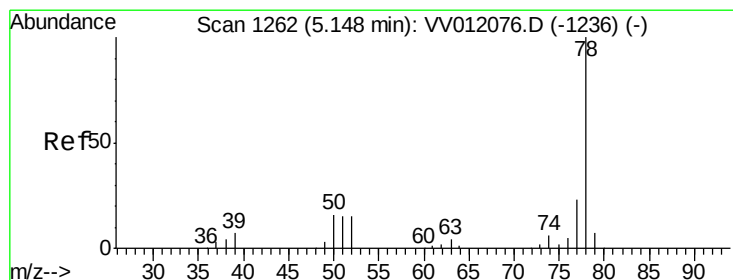
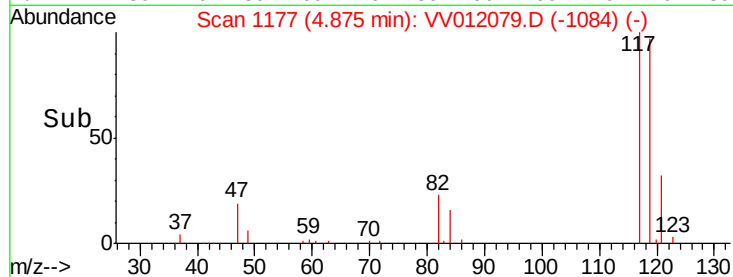
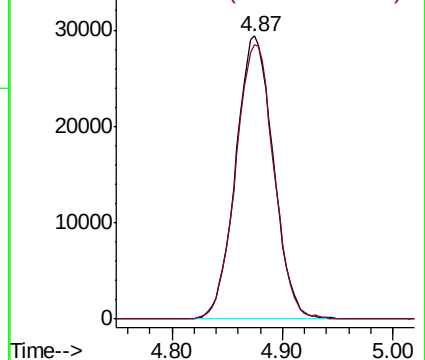
117 100

119 98.3 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.197 ug/L

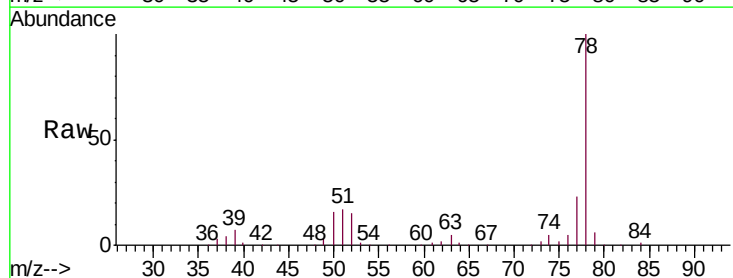
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

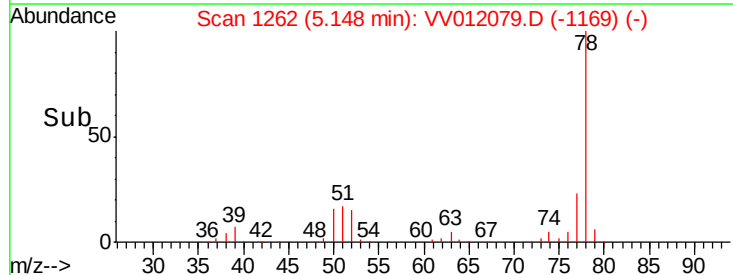
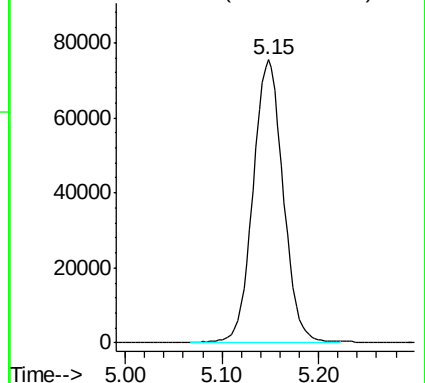
Lab File: VV012079.D

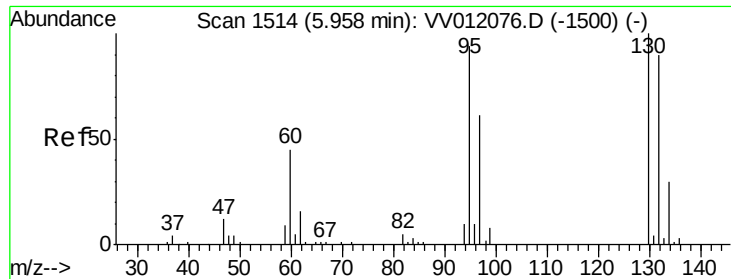
Acq: 30 Jul 2019 19:19

Tgt Ion: 78 Resp: 163599



Abundance Ion 78.10 (77.80 to 78.80): VV0

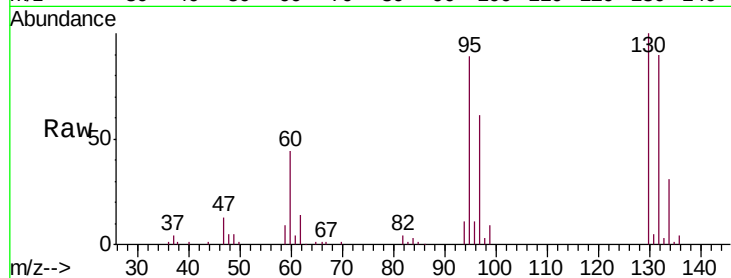




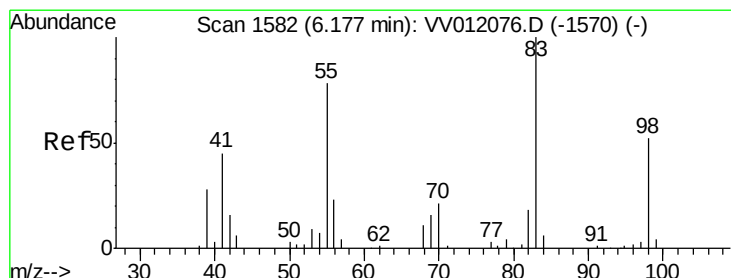
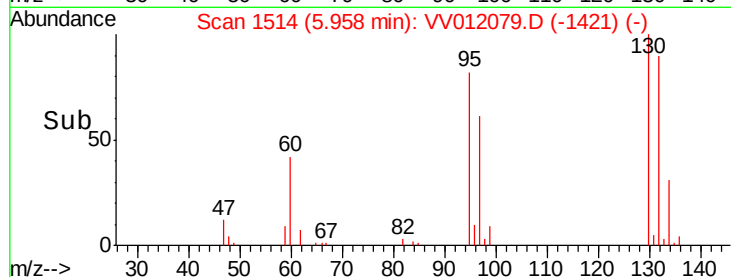
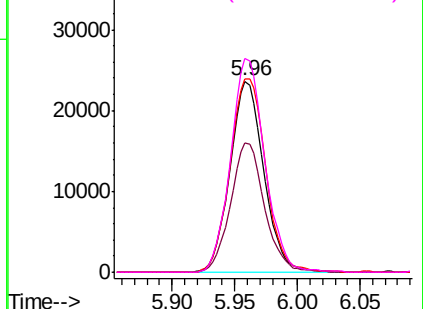
#34
 Trichloroethene
 Concen: 4.874 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012079.D
 Acq: 30 Jul 2019 19:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV32

Tgt Ion: 95 Resp: 44250
 Ion Ratio Lower Upper
 95 100
 97 67.7 45.4 84.2
 132 101.2 67.0 124.4
 130 111.8 74.3 137.9

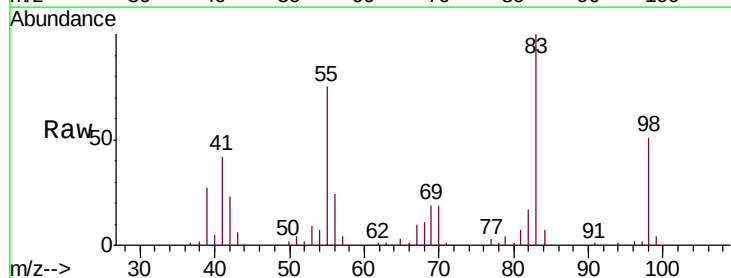


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

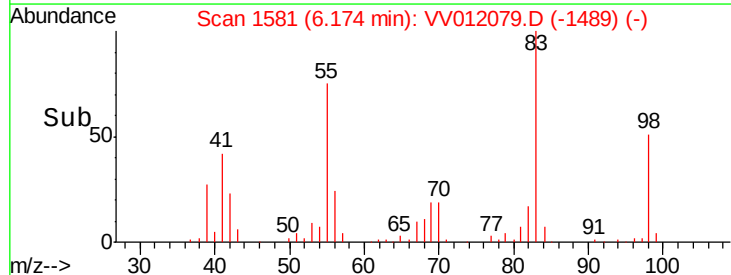
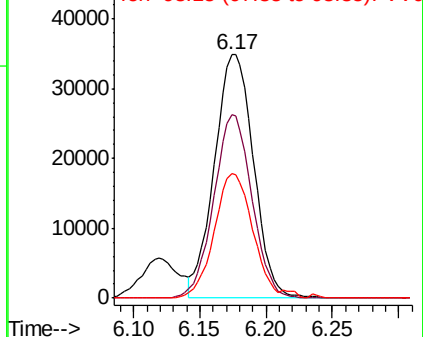


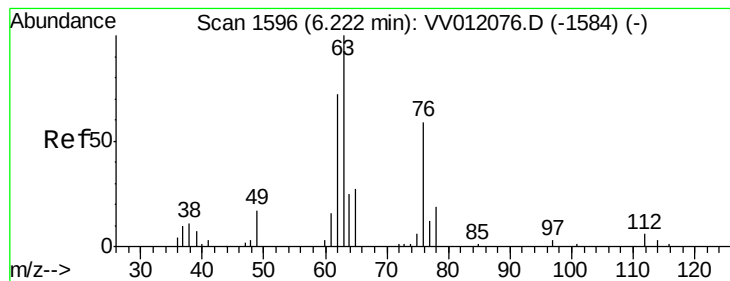
#35
 Methylcyclohexane
 Concen: 5.212 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV012079.D
 Acq: 30 Jul 2019 19:19

Tgt Ion: 83 Resp: 71670
 Ion Ratio Lower Upper
 83 100
 55 73.3 59.9 89.9
 98 49.6 40.8 61.2



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.941 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV012079.D

Acq: 30 Jul 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

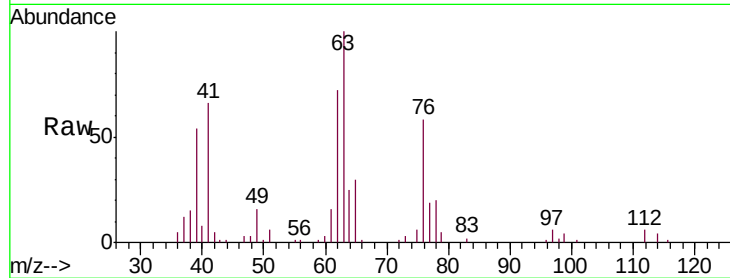
VICV32

Tgt Ion: 63 Resp: 35974

Ion Ratio Lower Upper

63 100

112 5.9 4.7 7.1



Abundance Ion 63.10 (62.80 to 63.80): VV012076.D (-1584) (-)

Ion 112.10 (111.80 to 112.80): VV012076.D (-1584) (-)

6.22

20000

15000

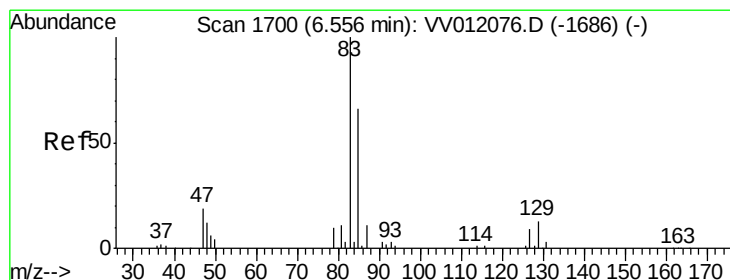
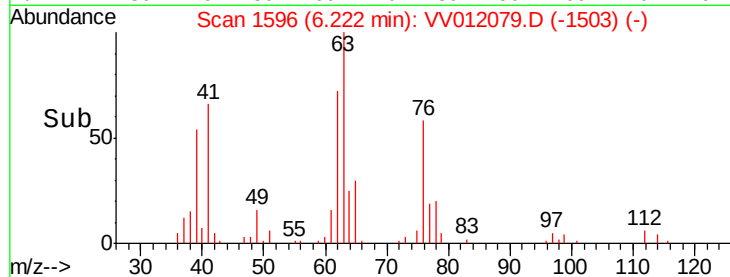
10000

5000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.129 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV012079.D

Acq: 30 Jul 2019 19:19

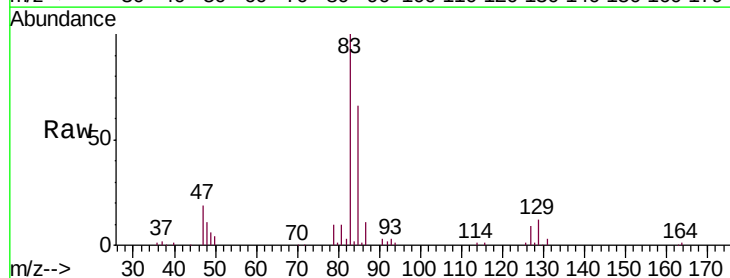
Tgt Ion: 83 Resp: 54844

Ion Ratio Lower Upper

83 100

85 66.3 46.2 85.8

127 8.9 7.2 10.8



Abundance Ion 82.95 (82.65 to 83.65): VV012076.D (-1686) (-)

Ion 85.00 (84.70 to 85.70): VV012076.D (-1686) (-)

Ion 126.90 (126.60 to 127.60): VV012076.D (-1686) (-)

6.56

40000

30000

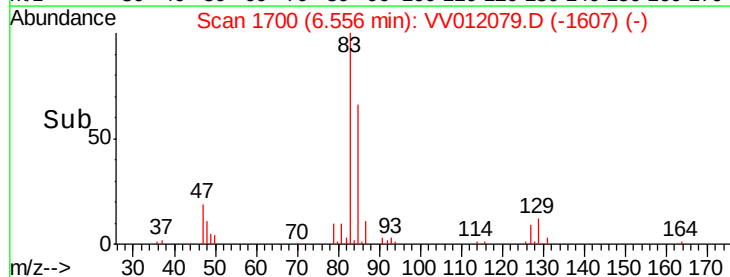
20000

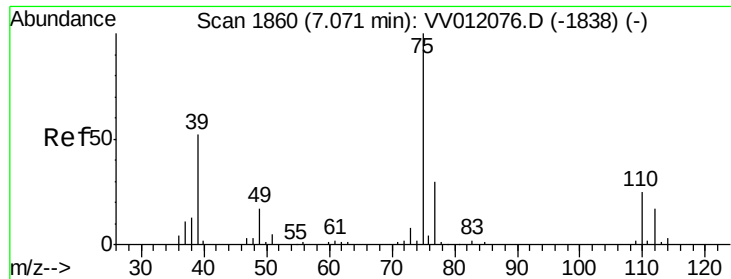
10000

0

6.50 6.55 6.60 6.65

Time-->

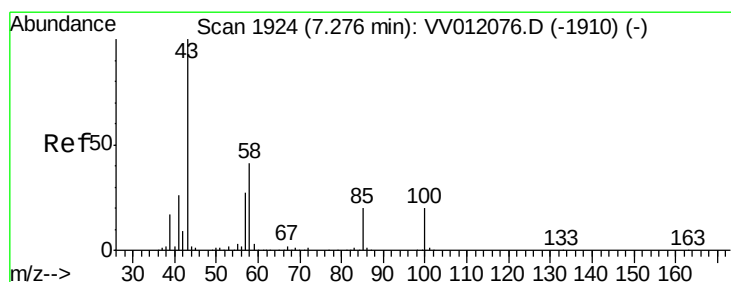
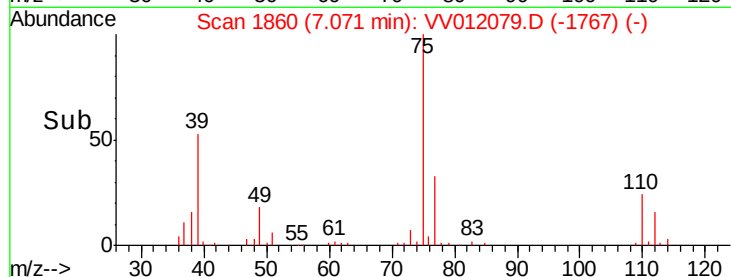
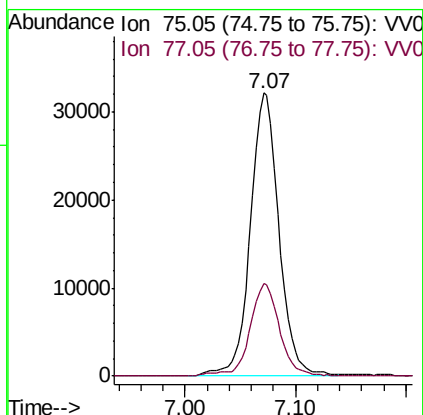
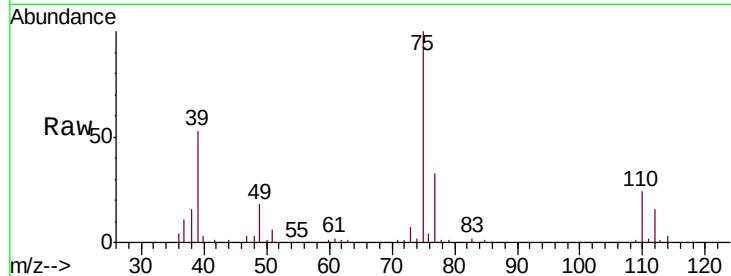




#39
 cis-1,3-Dichloropropene
 Concen: 5.101 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012079.D
 Acq: 30 Jul 2019 19:19

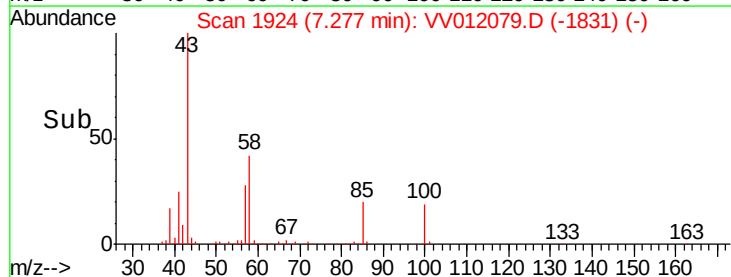
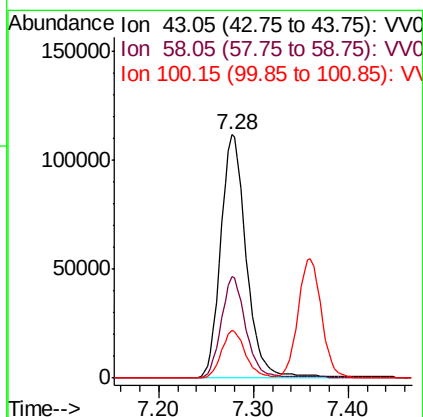
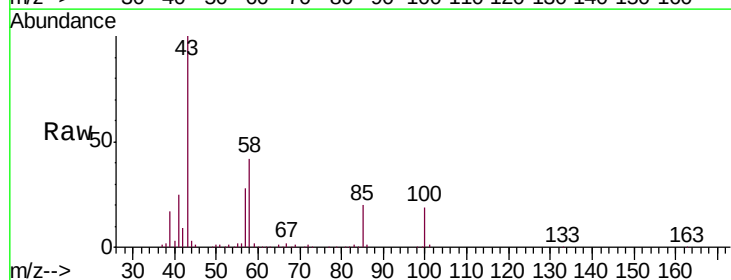
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV32

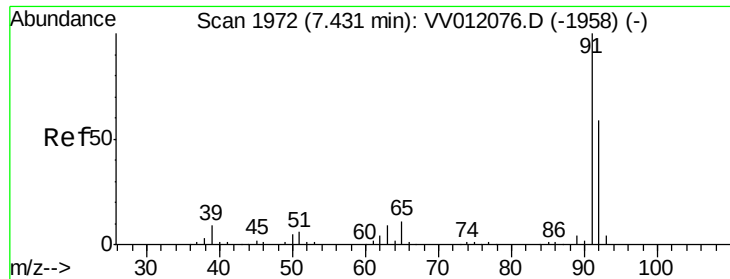
Tgt Ion: 75 Resp: 57777
 Ion Ratio Lower Upper
 75 100
 77 32.6 21.3 39.5



#40
 4-Methyl-2-pentanone
 Concen: 52.900 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV012079.D
 Acq: 30 Jul 2019 19:19

Tgt Ion: 43 Resp: 209628
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.8 47.6
 100 18.6 15.0 22.4





#42

Toluene

Concen: 5.268 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012079.D

Acq: 30 Jul 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

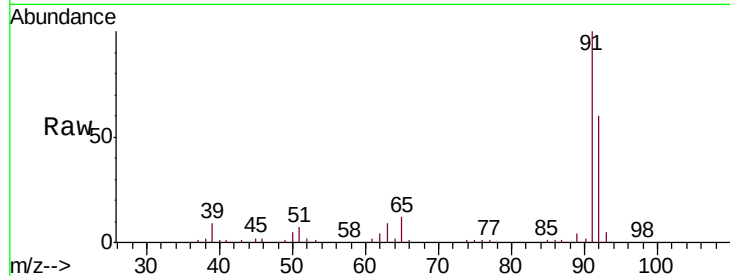
VICV32

Tgt Ion: 91 Resp: 181293

Ion Ratio Lower Upper

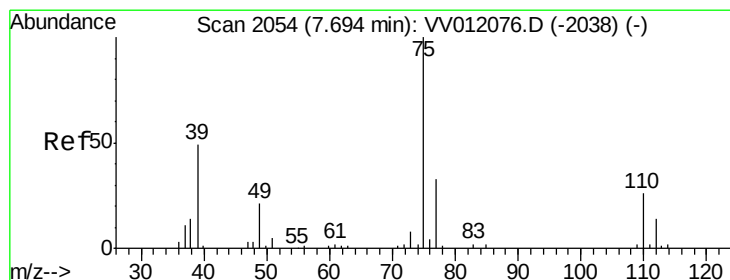
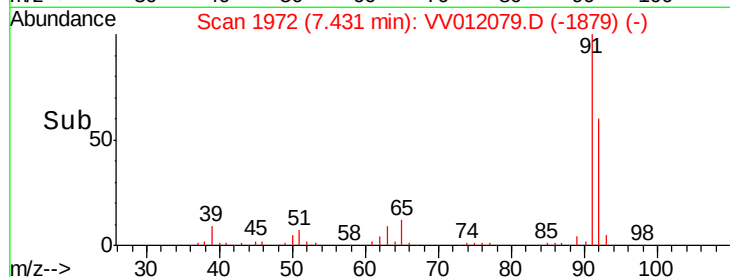
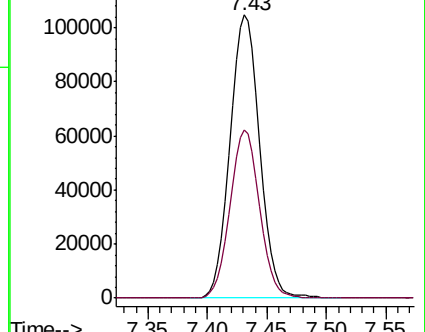
91 100

92 59.6 41.6 77.2



Abundance Ion 91.15 (90.85 to 91.85): VV012076.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV012076.D (-1958) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.291 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012079.D

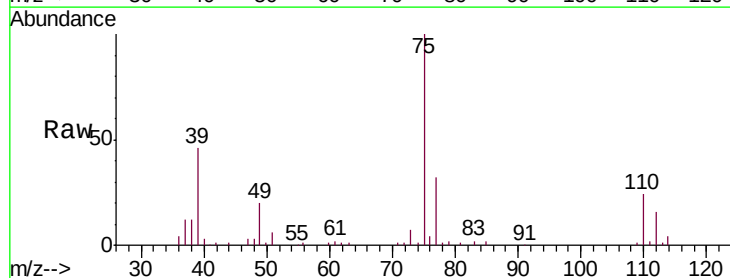
Acq: 30 Jul 2019 19:19

Tgt Ion: 75 Resp: 48391

Ion Ratio Lower Upper

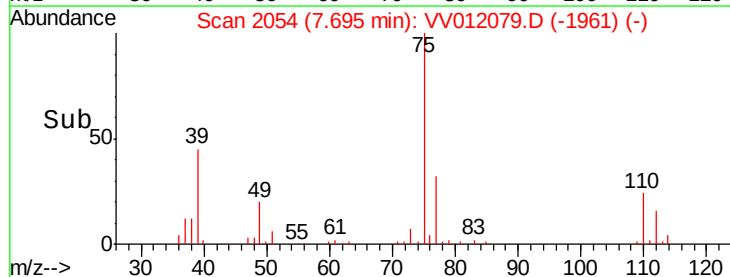
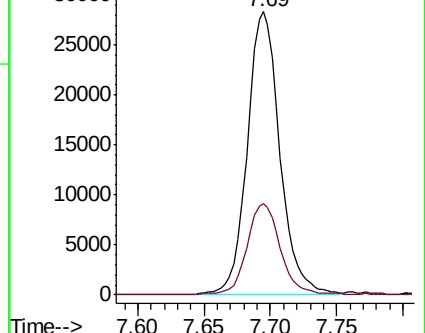
75 100

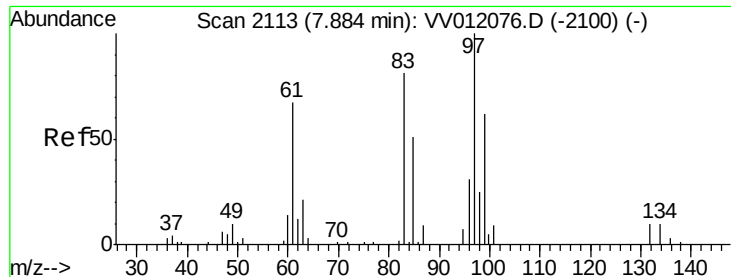
77 32.2 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV012076.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV012076.D (-2038) (-)

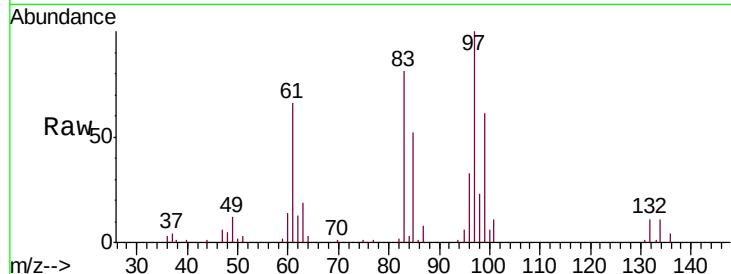




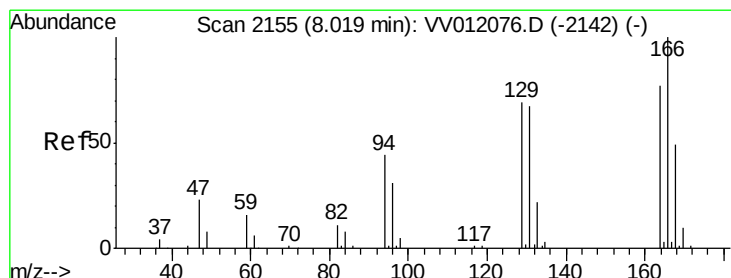
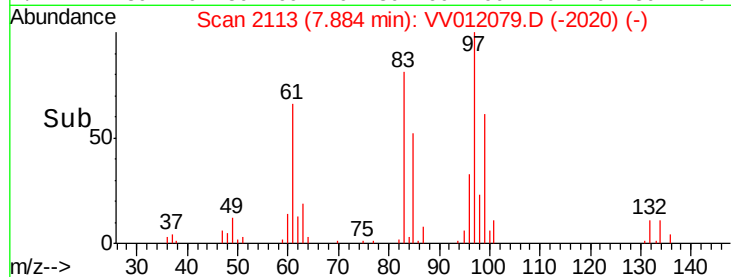
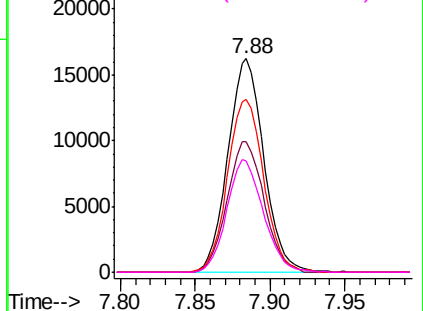
#45
 1,1,2-Trichloroethane
 Concen: 4.996 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV012079.D
 Acq: 30 Jul 2019 19:19

Instrument :
 MSVOA_V
 ClientSampled :
 VICV32

Tgt Ion:	97	Resp:	27116
Ion	Ratio	Lower	Upper
97	100		
99	61.0	43.3	80.3
83	81.1	56.6	105.0
85	52.2	35.8	66.6

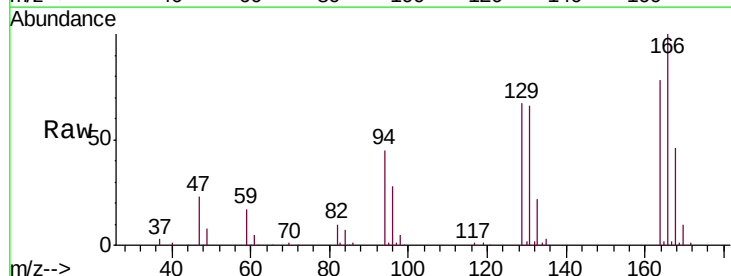


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

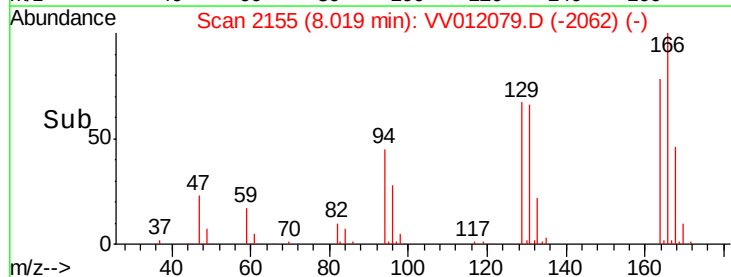
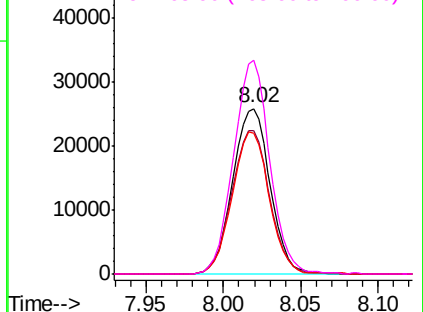


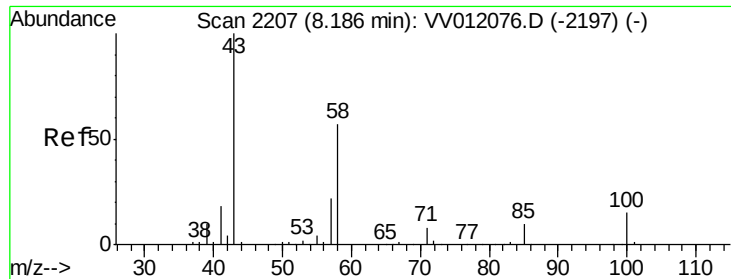
#47
 Tetrachloroethene
 Concen: 5.240 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV012079.D
 Acq: 30 Jul 2019 19:19

Tgt Ion:	164	Resp:	43249
Ion	Ratio	Lower	Upper
164	100		
129	86.5	62.5	116.1
131	85.1	60.9	113.1
166	128.9	90.4	168.0



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

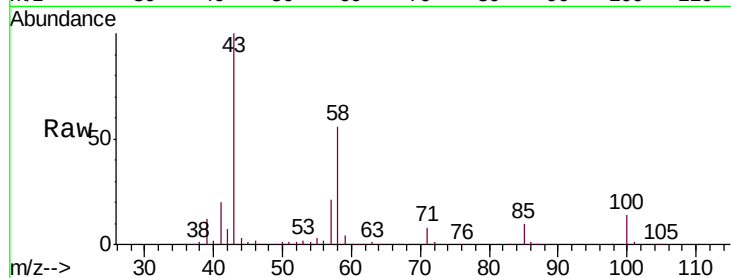




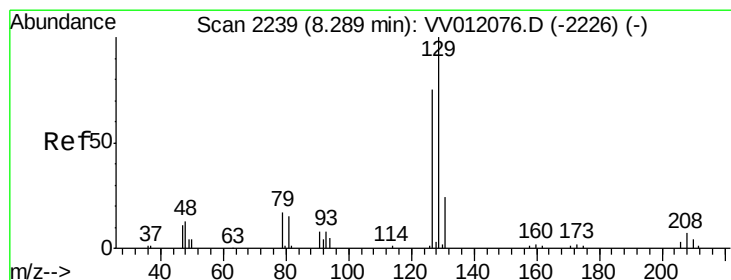
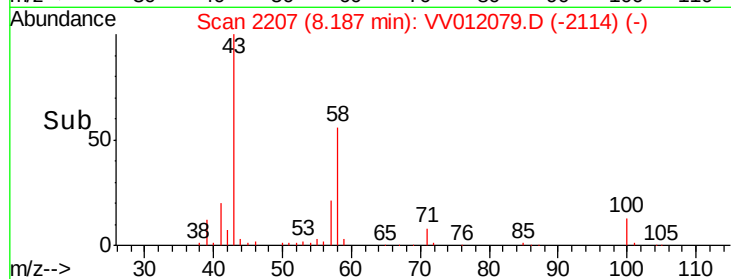
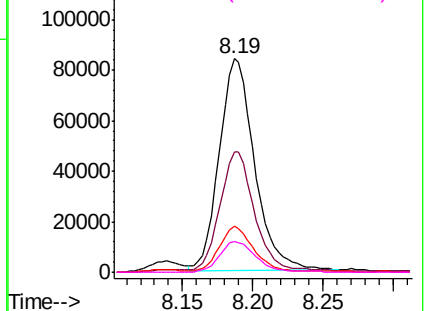
#48
2-Hexanone
Concen: 53.210 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012079.D
Acq: 30 Jul 2019 19:19

Instrument :
MSVOA_V
ClientSampleId :
VICV32

Tgt Ion: 43 Resp: 146650
Ion Ratio Lower Upper
43 100
58 56.2 45.7 68.5
57 21.4 17.0 25.4
100 15.0 12.6 18.8

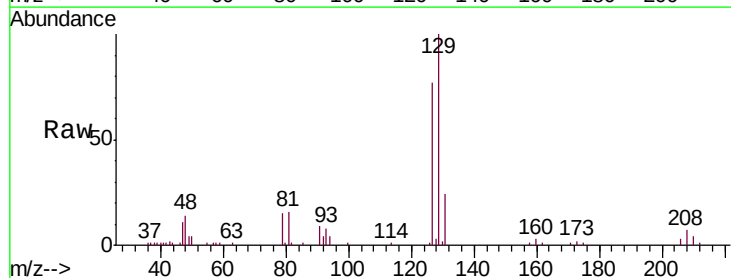


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

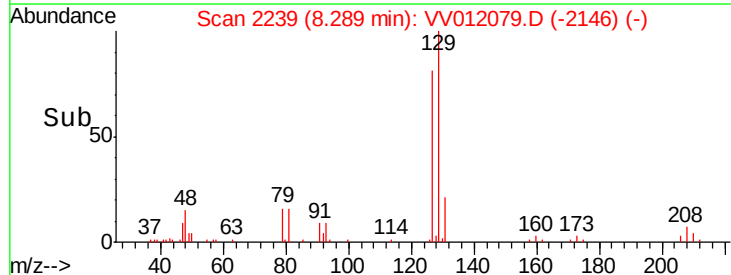
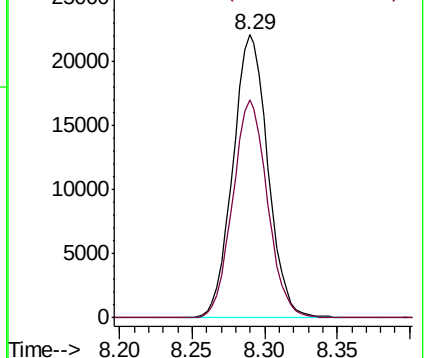


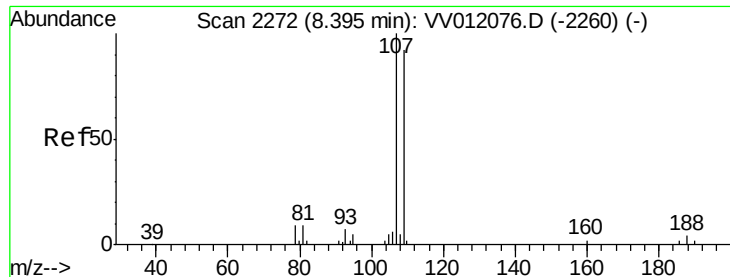
#49
Dibromochloromethane
Concen: 5.239 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012079.D
Acq: 30 Jul 2019 19:19

Tgt Ion: 129 Resp: 36902
Ion Ratio Lower Upper
129 100
127 77.0 52.8 98.2



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

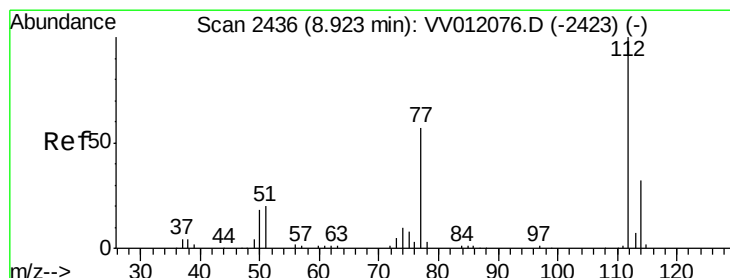
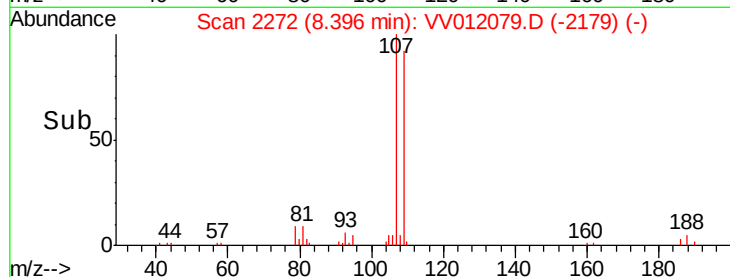
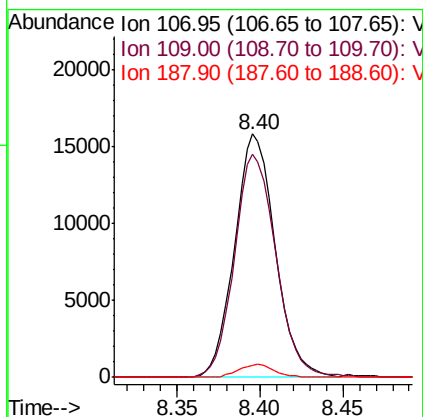
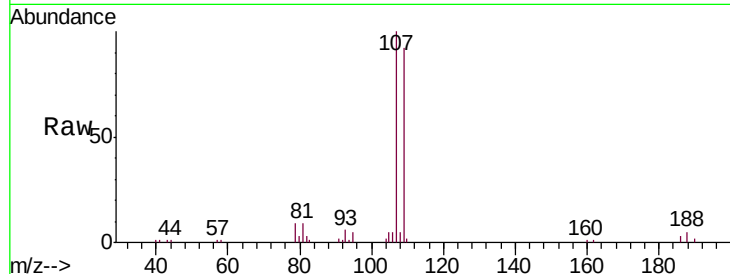




#50
1,2-Dibromoethane
Concen: 5.179 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012079.D
Acq: 30 Jul 2019 19:19

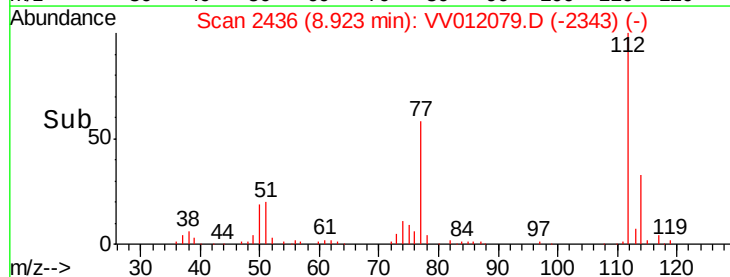
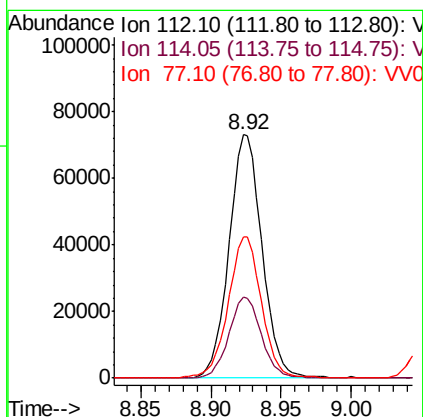
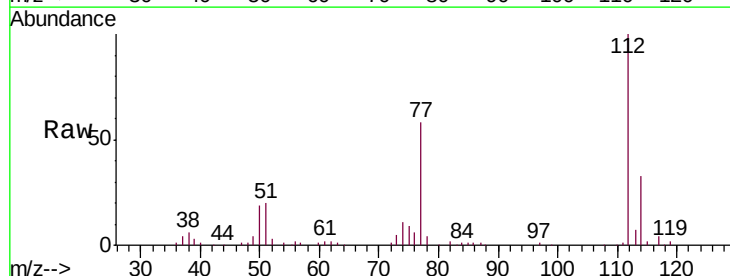
Instrument :
MSVOA_V
ClientSampleId :
VICV32

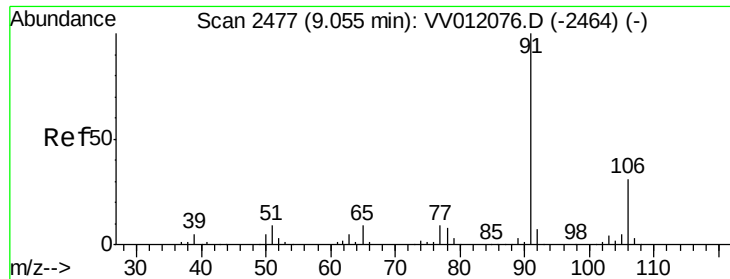
Tgt Ion:107 Resp: 26918
Ion Ratio Lower Upper
107 100
109 91.7 64.7 120.1
188 5.1 3.4 5.0#



#51
Chlorobenzene
Concen: 5.129 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012079.D
Acq: 30 Jul 2019 19:19

Tgt Ion:112 Resp: 119645
Ion Ratio Lower Upper
112 100
114 33.2 22.4 41.6
77 58.2 46.1 69.1





#52

Ethylbenzene

Concen: 5.277 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012079.D

Acq: 30 Jul 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

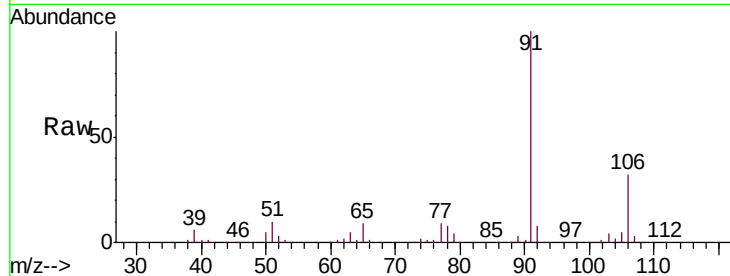
VICV32

Tgt Ion: 91 Resp: 209254

Ion Ratio Lower Upper

91 100

106 31.8 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV012079.D (-2384) (-)

Ion 106.15 (105.85 to 106.85): VV012079.D (-2384) (-)

9.05

150000

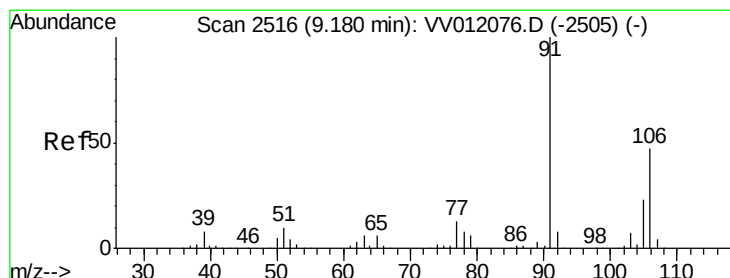
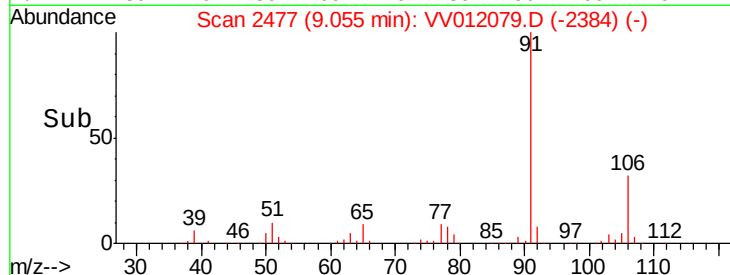
100000

50000

0

9.00 9.05 9.10 9.15

Time-->



#53

m,p-xylene

Concen: 5.321 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012079.D

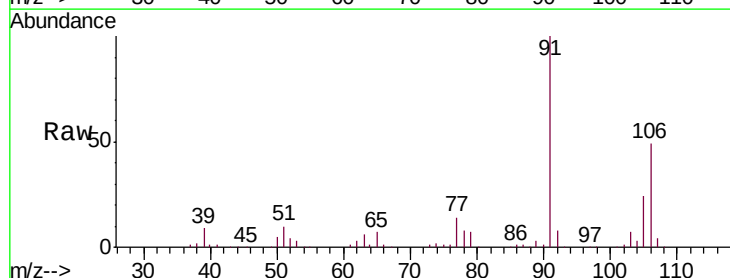
Acq: 30 Jul 2019 19:19

Tgt Ion: 106 Resp: 80929

Ion Ratio Lower Upper

106 100

91 202.6 148.7 276.3



Abundance Ion 106.15 (105.85 to 106.85): VV012079.D (-2423) (-)

Ion 91.15 (90.85 to 91.85): VV012079.D (-2423) (-)

9.18

100000

80000

60000

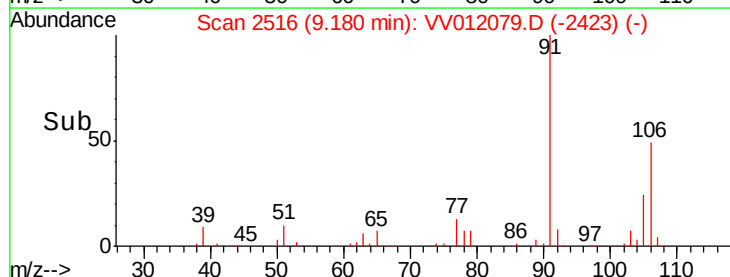
40000

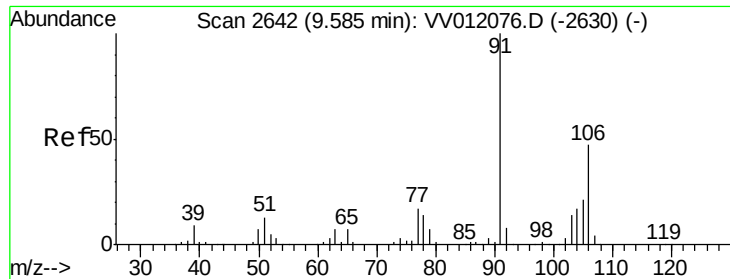
20000

0

9.10 9.15 9.20 9.25

Time-->

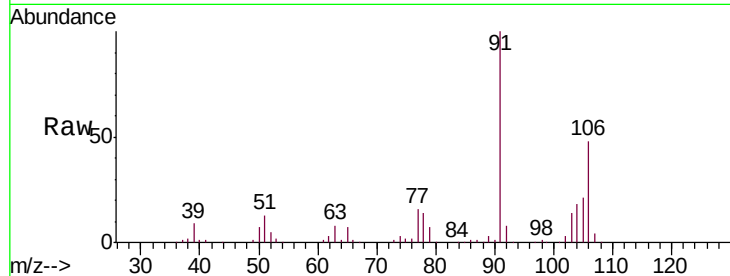




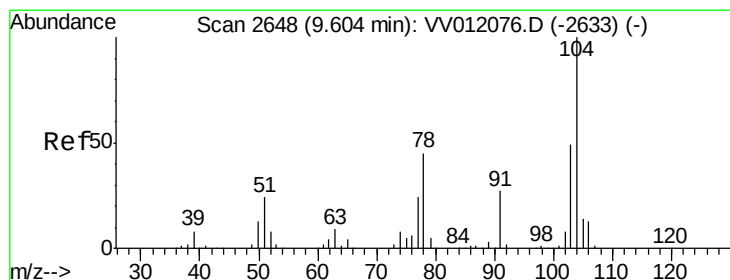
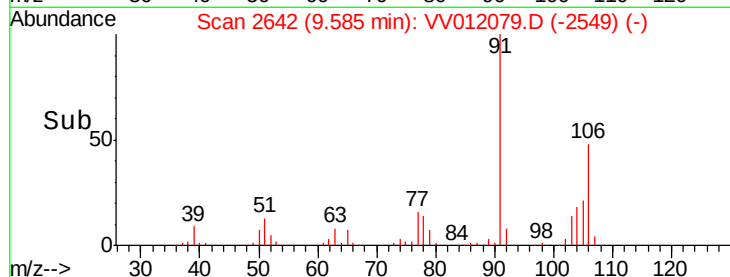
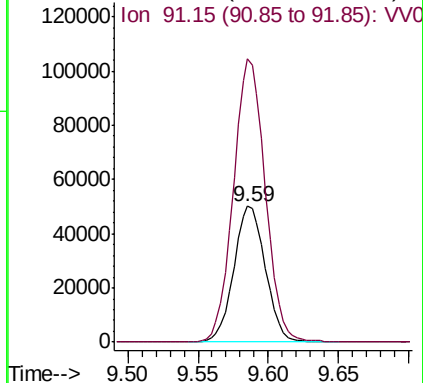
#54
o-xylene
Concen: 5.388 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV012079.D
Acq: 30 Jul 2019 19:19

Instrument :
MSVOA_V
ClientSampleId :
VICV32

Tgt Ion:106 Resp: 78568
Ion Ratio Lower Upper
106 100
91 208.1 147.7 274.3

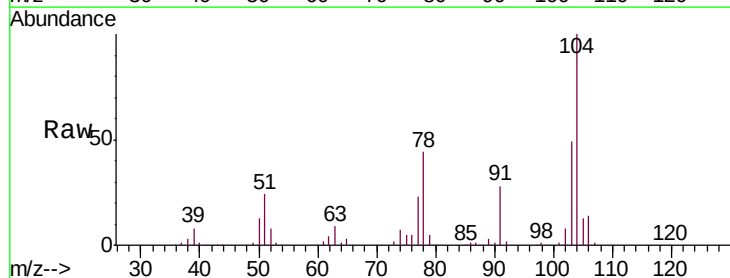


Abundance Ion 106.15 (105.85 to 106.85): VV012079.D (-2549) (-)
Ion 91.15 (90.85 to 91.85): VV012079.D (-2549) (-)

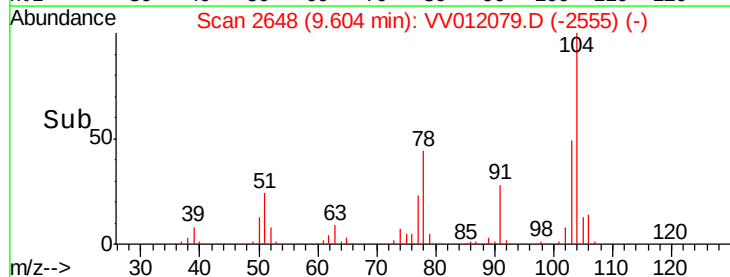
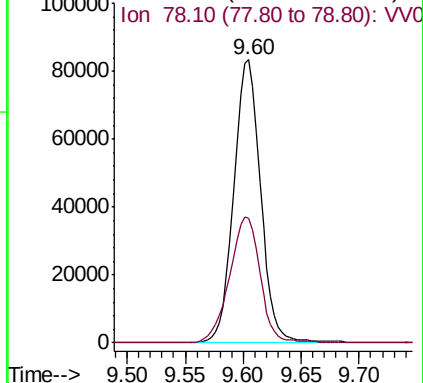


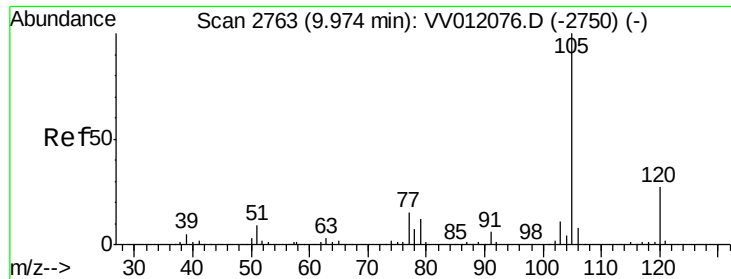
#55
Styrene
Concen: 5.407 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV012079.D
Acq: 30 Jul 2019 19:19

Tgt Ion:104 Resp: 133723
Ion Ratio Lower Upper
104 100
78 44.0 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): VV012079.D (-2555) (-)
Ion 78.10 (77.80 to 78.80): VV012079.D (-2555) (-)





#56

Isopropylbenzene

Concen: 5.310 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012079.D

Acq: 30 Jul 2019 19:19

Instrument :

MSVOA_V

ClientSampled :

VICV32

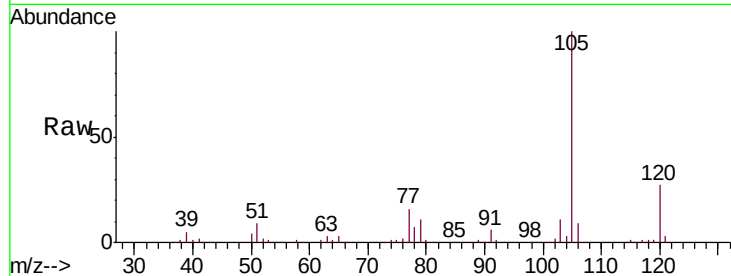
Tgt Ion: 105 Resp: 214548

Ion Ratio Lower Upper

105 100

120 27.0 21.8 32.8

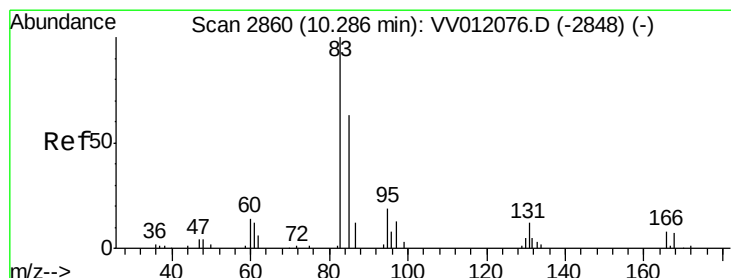
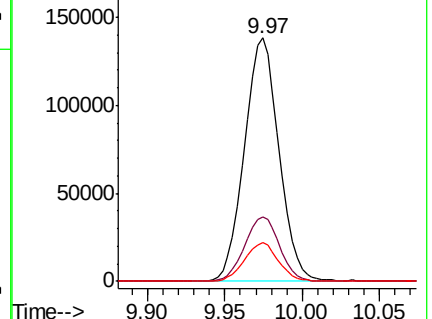
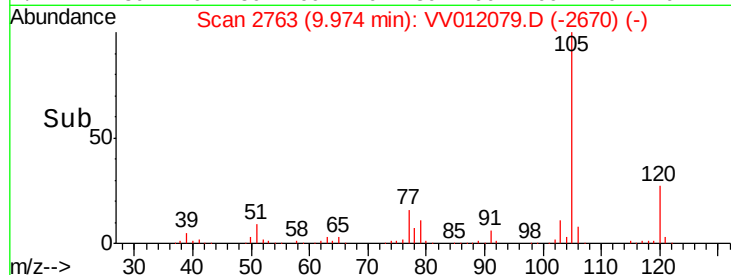
77 15.8 12.7 19.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.074 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012079.D

Acq: 30 Jul 2019 19:19

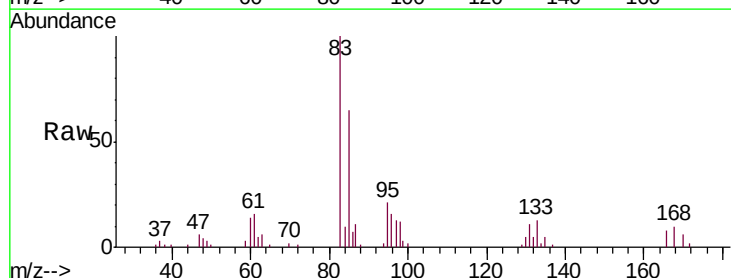
Tgt Ion: 83 Resp: 30405

Ion Ratio Lower Upper

83 100

85 65.3 45.1 83.7

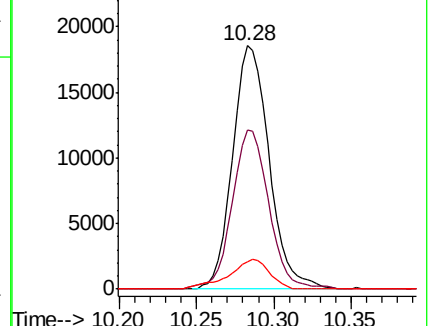
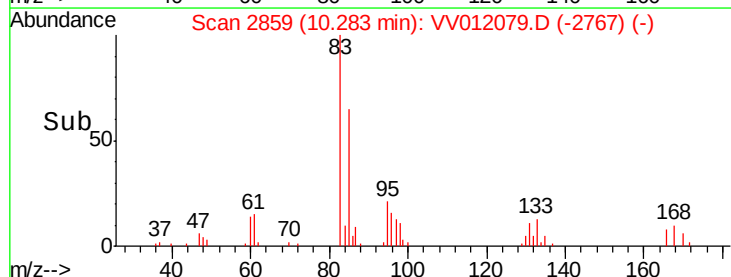
131 11.4 10.3 15.5

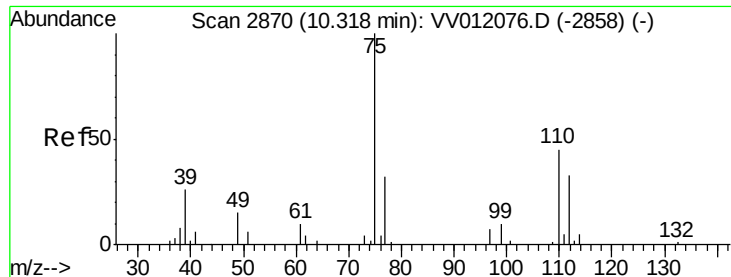


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

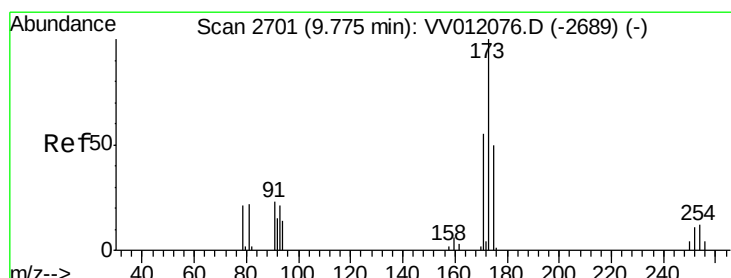
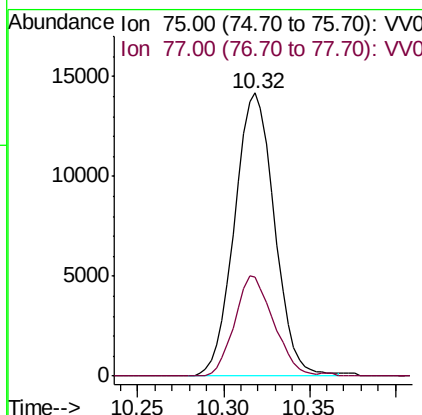
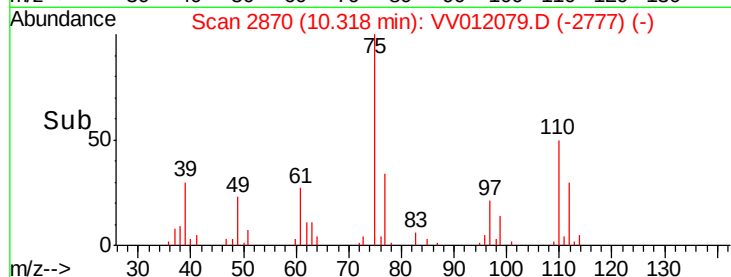
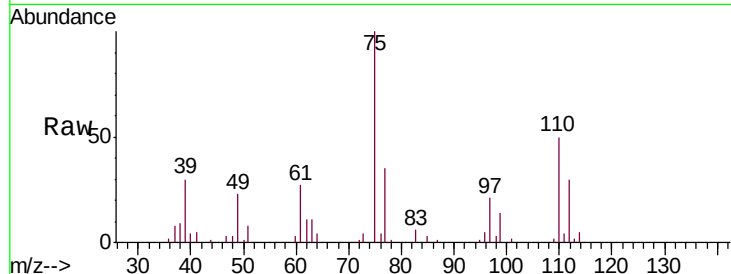




#59
 1,2,3-Trichloropropane
 Concen: 5.060 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV012079.D
 Acq: 30 Jul 2019 19:19

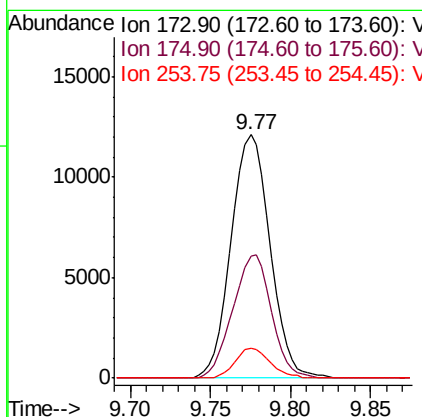
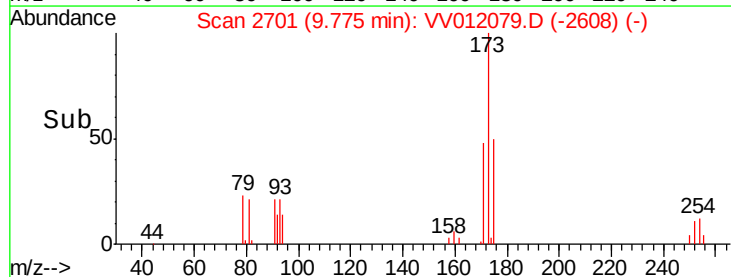
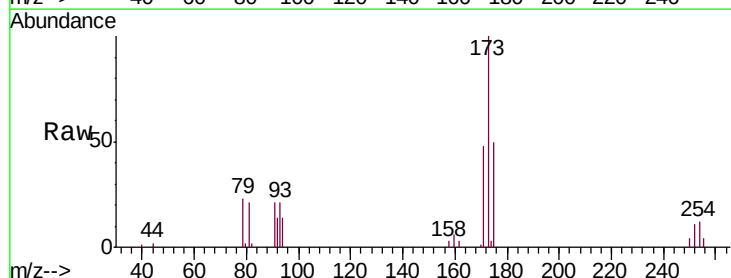
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV32

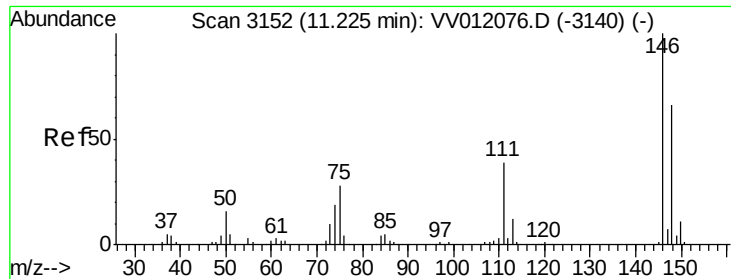
Tgt Ion: 75 Resp: 22907
 Ion Ratio Lower Upper
 75 100
 77 34.4 26.9 40.3



#61
 Bromoform
 Concen: 5.007 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV012079.D
 Acq: 30 Jul 2019 19:19

Tgt Ion: 173 Resp: 20118
 Ion Ratio Lower Upper
 173 100
 175 50.1 39.4 59.2
 254 10.8 8.7 13.1

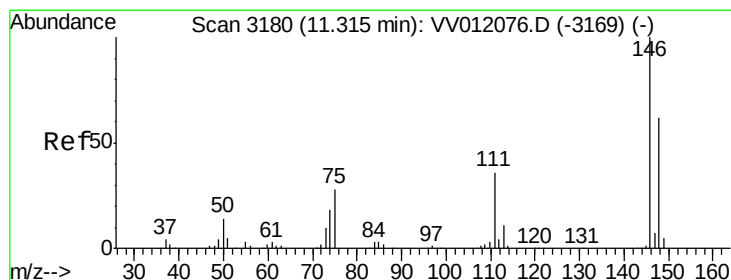
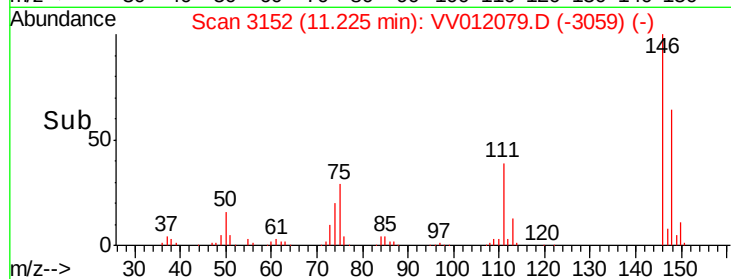
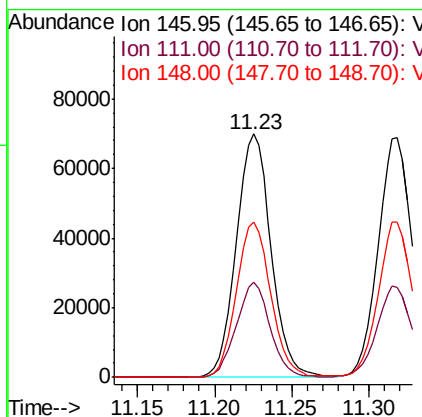
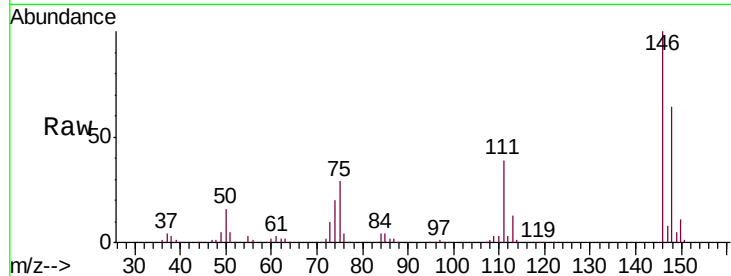




#62
 1,3-Dichlorobenzene
 Concen: 5.233 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV012079.D
 Acq: 30 Jul 2019 19:19

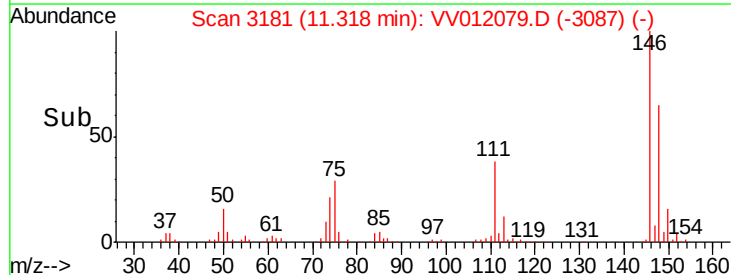
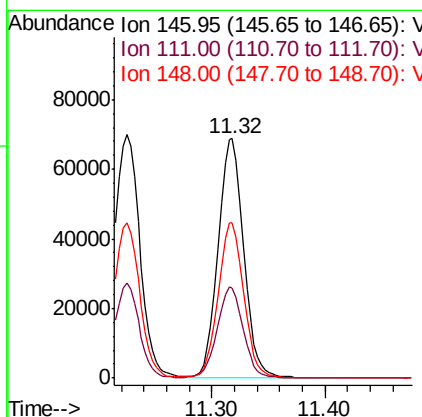
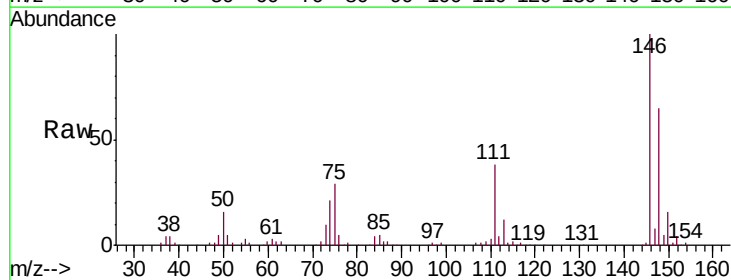
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV32

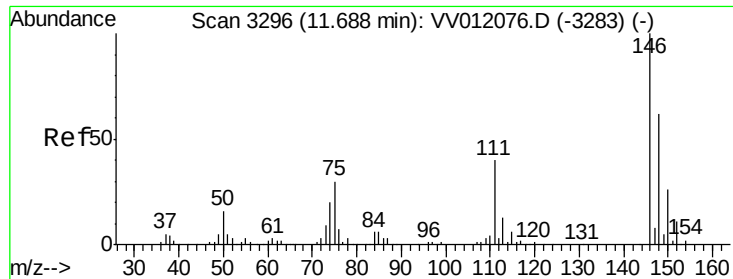
Tgt Ion:146 Resp: 109108
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.2 50.6
 148 63.5 45.9 85.3



#63
 1,4-Dichlorobenzene
 Concen: 5.101 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV012079.D
 Acq: 30 Jul 2019 19:19

Tgt Ion:146 Resp: 108529
 Ion Ratio Lower Upper
 146 100
 111 37.6 25.4 47.2
 148 64.9 43.5 80.7

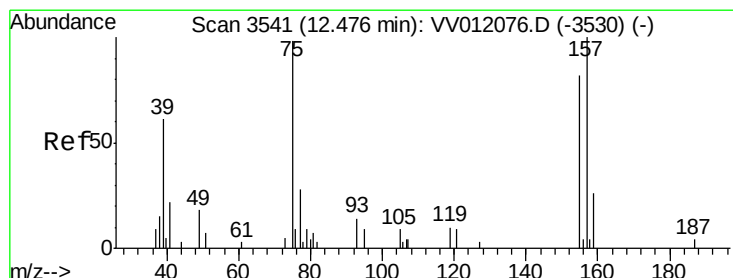
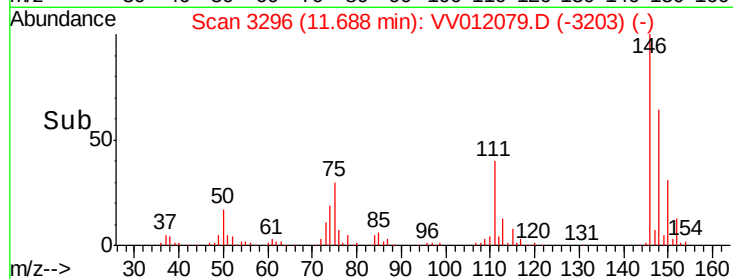
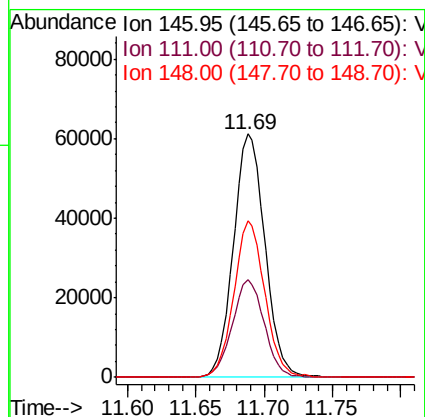
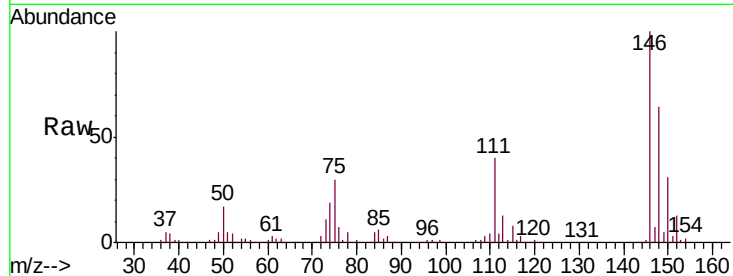




#65
 1,2-Dichlorobenzene
 Concen: 5.209 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012079.D
 Acq: 30 Jul 2019 19:19

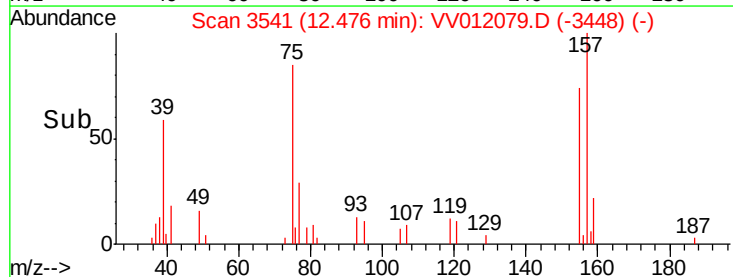
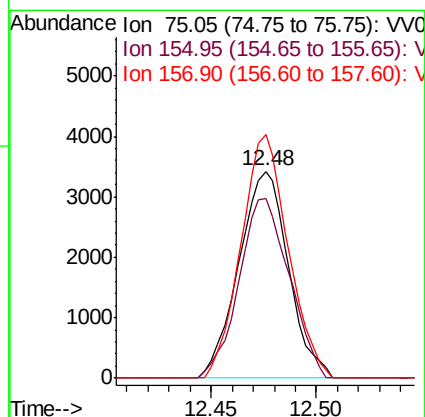
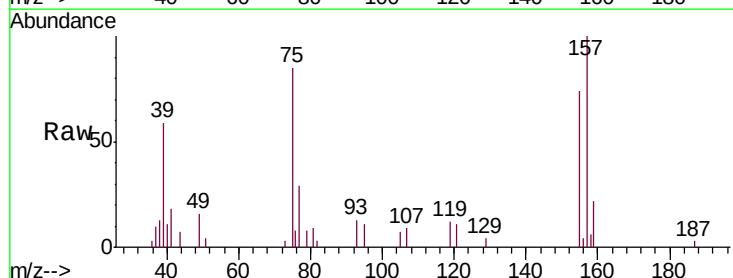
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV32

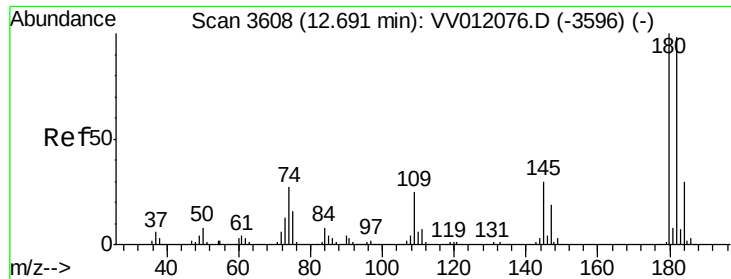
Tgt Ion: 146 Resp: 98100
 Ion Ratio Lower Upper
 146 100
 111 40.0 32.3 48.5
 148 64.2 49.9 74.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.529 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV012079.D
 Acq: 30 Jul 2019 19:19

Tgt Ion: 75 Resp: 5594
 Ion Ratio Lower Upper
 75 100
 155 86.9 66.9 100.3
 157 117.7 81.8 122.6

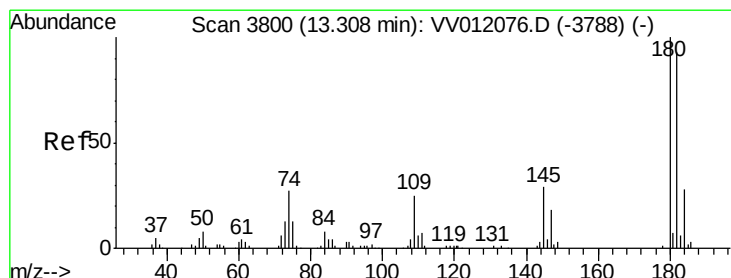
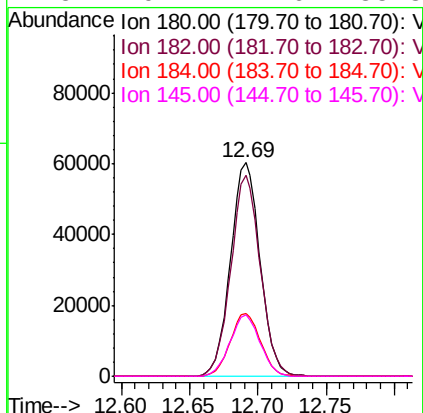
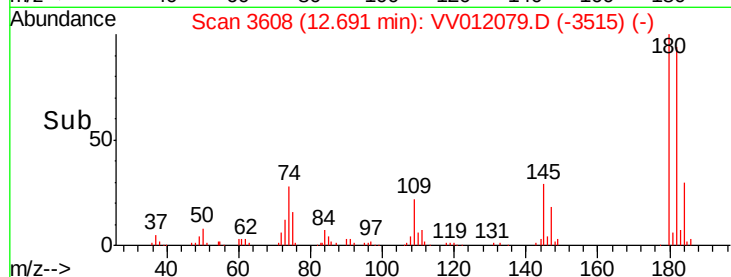
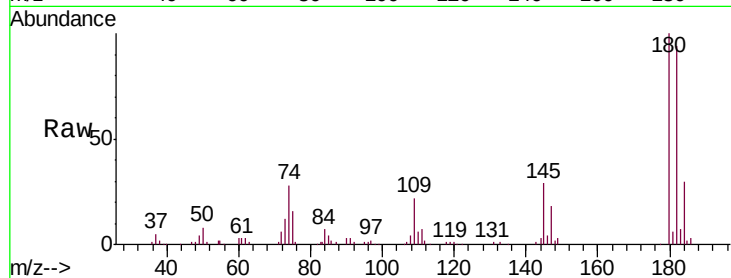




#67
 1,3,5-Trichlorobenzene
 Concen: 5.308 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012079.D
 Acq: 30 Jul 2019 19:19

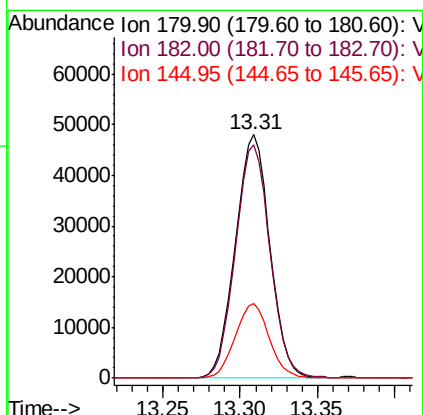
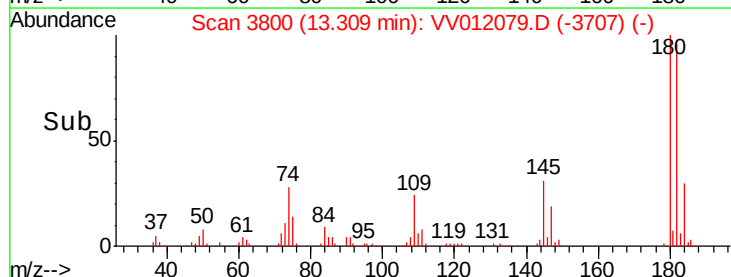
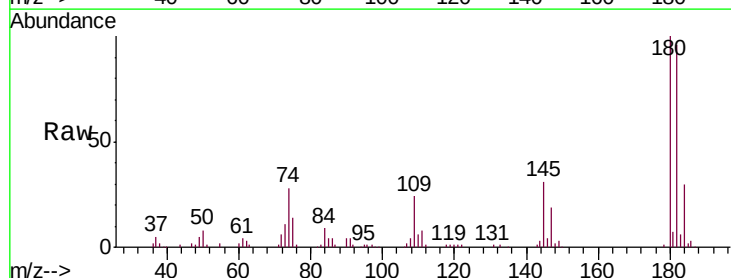
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV32

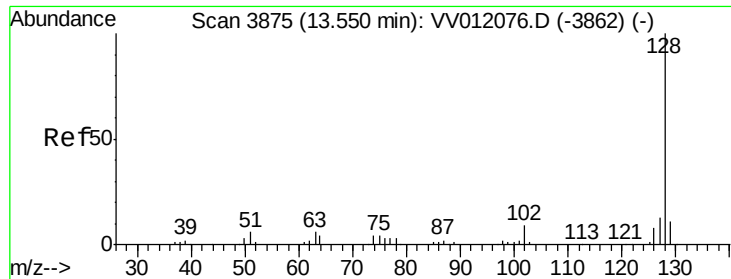
Tgt Ion:180 Resp: 90569
 Ion Ratio Lower Upper
 180 100
 182 93.8 76.6 115.0
 184 30.1 23.8 35.8
 145 29.1 22.6 33.8



#68
 1,2,4-trichlorobenzene
 Concen: 5.397 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012079.D
 Acq: 30 Jul 2019 19:19

Tgt Ion:180 Resp: 74395
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.4 113.0
 145 30.1 23.5 35.3





#69

Naphthalene

Concen: 5.867 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012079.D

Acq: 30 Jul 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

VICV32

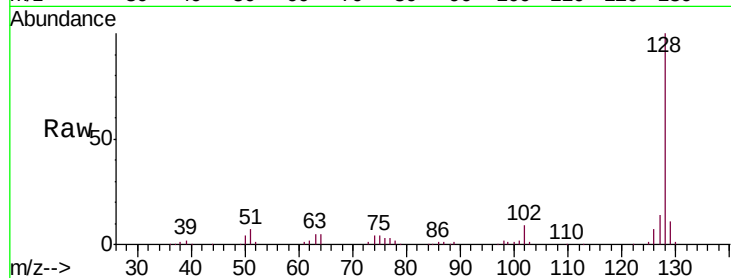
Tgt Ion:128 Resp: 108843

Ion Ratio Lower Upper

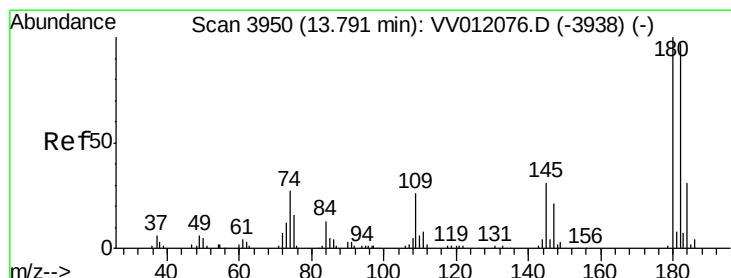
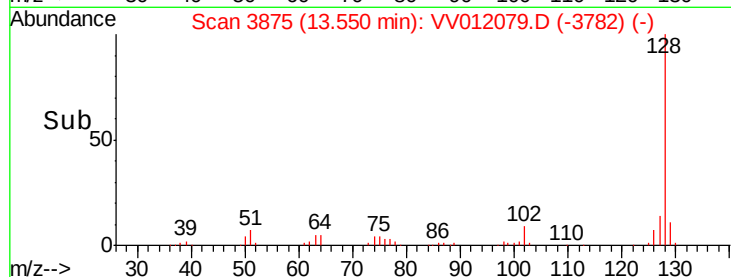
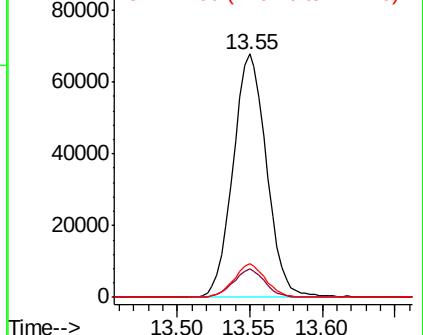
128 100

129 10.9 8.4 12.6

127 13.1 10.0 15.0



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: 5.532 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012079.D

Acq: 30 Jul 2019 19:19

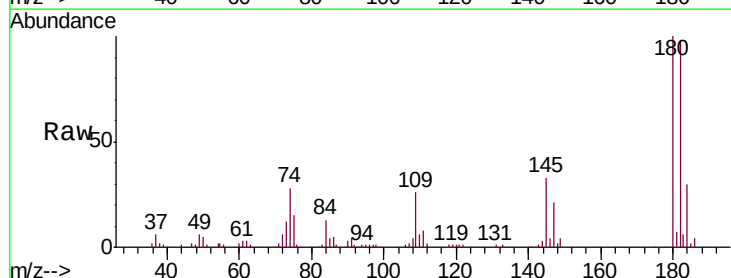
Tgt Ion:180 Resp: 67870

Ion Ratio Lower Upper

180 100

182 96.7 76.5 114.7

145 31.7 24.4 36.6



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

