

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050420\
 Data File : VV015891.D
 Acq On : 04 May 2020 17:39
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 05 01:33:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 05 01:28:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	123796	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	119680	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	60801	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	30826	4.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.40%
7) Chloroethane-d5	1.57	69	29607	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.12	63	67611	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.40%
20) 2-Butanone-d5	3.98	46	101675	48.95	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.90%
24) Chloroform-d	4.38	84	72334	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.06	65	40611	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.08	84	135299	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.10	67	43168	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.34	98	126795	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	7.65	79	16367	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	8.12	63	82653	48.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.04%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	33124	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	48280	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	47627	4.492	ug/L 99
3) Chloromethane	1.24	50	45559	4.967	ug/L 97
5) Vinyl chloride	1.32	62	46467	4.743	ug/L 99
6) Bromomethane	1.53	94	24464	5.816	ug/L 95
8) Chloroethane	1.59	64	30400	4.724	ug/L 98
9) Trichlorofluoromethane	1.76	101	67196	4.887	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	37505	4.822	ug/L 96
12) 1,1-Dichloroethene	2.13	96	35328	4.903	ug/L 96
13) Acetone	2.26	43	22457	15.569	ug/L 99
14) Carbon disulfide	2.30	76	91312	4.483	ug/L 99
15) Methyl Acetate	2.47	43	20372	5.939	ug/L 100
16) Methylene chloride	2.52	84	52475	5.899	ug/L 97
17) Methyl tert-butyl Ether	2.79	73	108087	5.344	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	40052	4.965	ug/L 100
19) 1,1-Dichloroethane	3.21	63	83808	5.291	ug/L 98
21) 2-Butanone	4.05	43	46241	20.783	ug/L 95
22) cis-1,2-Dichloroethene	3.94	96	45390	5.089	ug/L 97

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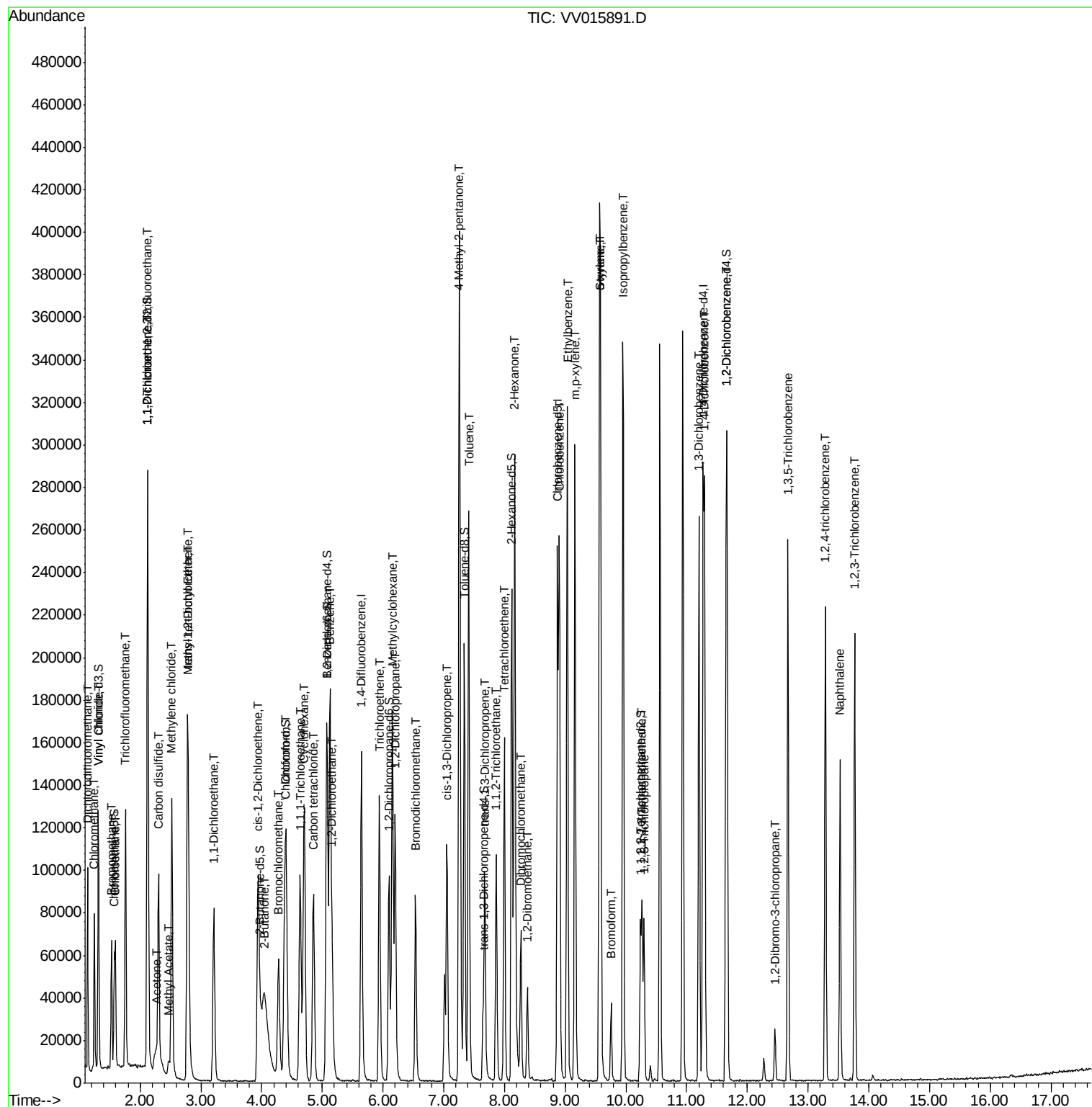
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	18834	5.169	ug/L	99
25) Chloroform	4.40	83	90015	5.353	ug/L	97
27) 1,2-Dichloroethane	5.16	62	57003	5.159	ug/L	99
29) 1,1,1-Trichloroethane	4.64	97	76211	5.021	ug/L	100
30) Cyclohexane	4.70	56	68891	4.751	ug/L	99
31) Carbon tetrachloride	4.86	117	62583	4.979	ug/L	97
33) Benzene	5.13	78	171098	5.004	ug/L	100
34) Trichloroethene	5.94	95	46435	4.917	ug/L	98
35) Methylcyclohexane	6.15	83	68422	4.721	ug/L	97
37) 1,2-Dichloropropane	6.20	63	44664	5.139	ug/L	98
38) Bromodichloromethane	6.53	83	56384	5.109	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	61789	5.100	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	300538	53.280	ug/L	99
42) Toluene	7.41	91	185017	5.064	ug/L	98
44) trans-1,3-Dichloropropene	7.68	75	52800	5.186	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	31707	5.352	ug/L	97
47) Tetrachloroethene	8.00	164	32022	4.710	ug/L	95
48) 2-Hexanone	8.17	43	212727	52.884	ug/L	99
49) Dibromochloromethane	8.27	129	33776	5.509	ug/L	99
50) 1,2-Dibromoethane	8.38	107	28803	5.258	ug/L	96
51) Chlorobenzene	8.90	112	119360	4.987	ug/L	97
52) Ethylbenzene	9.04	91	210761	4.985	ug/L	99
53) m,p-xylene	9.16	106	79017	5.102	ug/L	100
54) o-xylene	9.57	106	76448	5.102	ug/L	98
55) Styrene	9.58	104	129542	5.094	ug/L	99
56) Isopropylbenzene	9.95	105	212129	5.046	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.27	83	36594	5.290	ug/L	95
59) 1,2,3-Trichloropropane	10.30	75	28652	5.163	ug/L	100
61) Bromoform	9.76	173	15305	6.098	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	95388	4.957	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	95502	4.921	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	87232	5.012	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	6256	5.517	ug/L	94
67) 1,3,5-Trichlorobenzene	12.67	180	68405	4.810	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	59979	4.583	ug/L	99
69) Naphthalene	13.53	128	108875	4.648	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	54783	4.743	ug/L	98

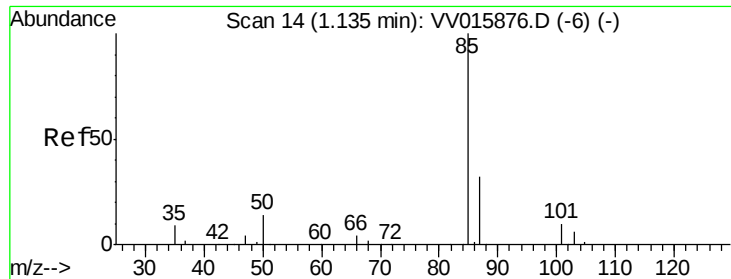
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.492 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015891.D

Acq: 04 May 2020 17:39

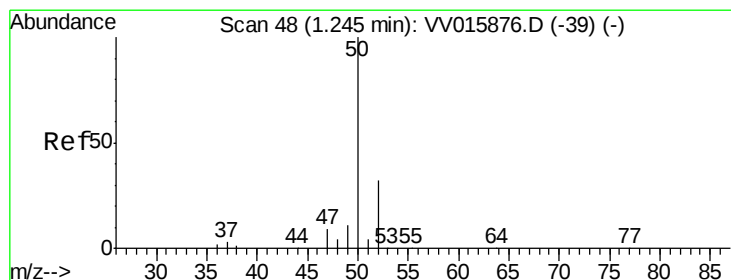
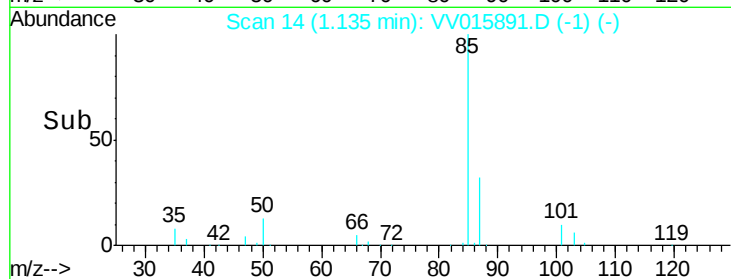
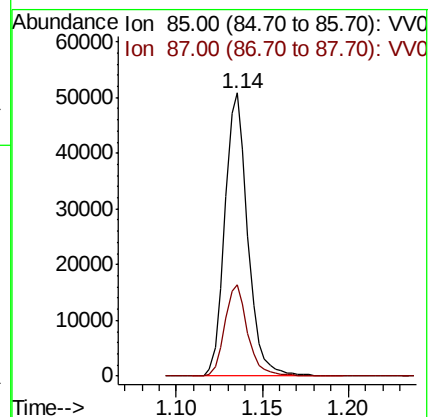
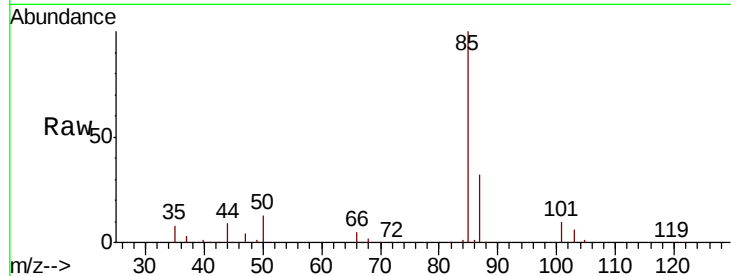
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 47627

Ion Ratio Lower Upper

85 100

87 32.2 26.1 39.1



#3

Chloromethane

Concen: 4.967 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV015891.D

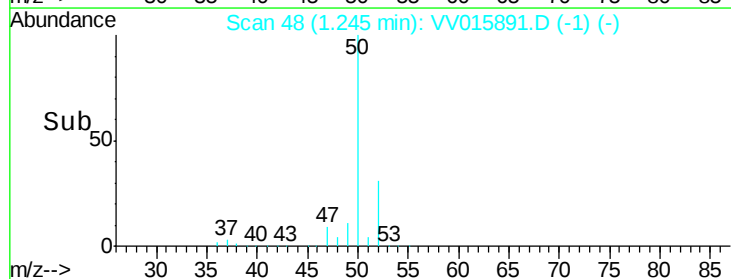
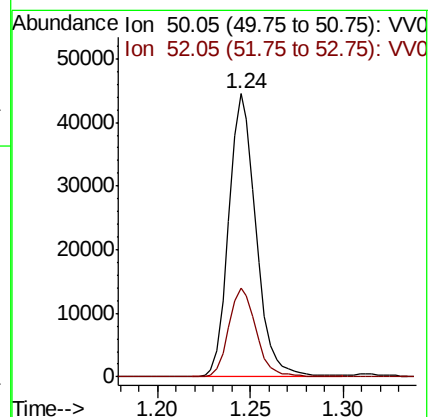
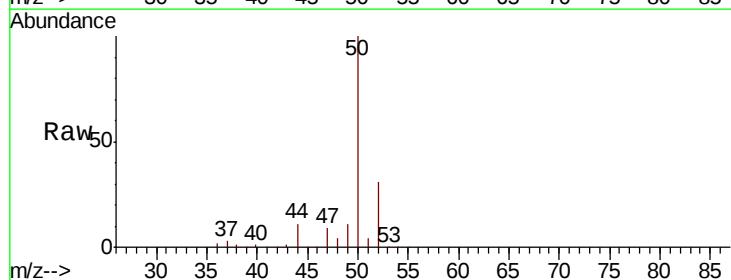
Acq: 04 May 2020 17:39

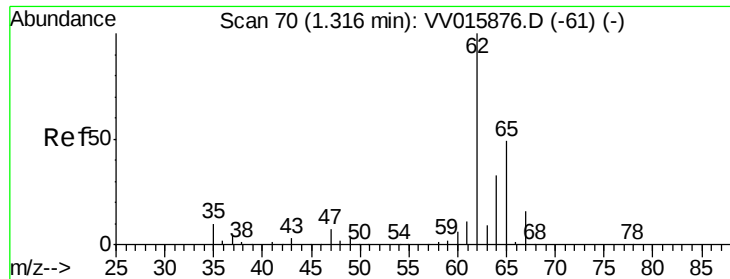
Tgt Ion: 50 Resp: 45559

Ion Ratio Lower Upper

50 100

52 31.3 22.9 42.5





#5

Vinyl chloride

Concen: 4.743 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015891.D

Acq: 04 May 2020 17:39

Instrument :

MSVOA_V

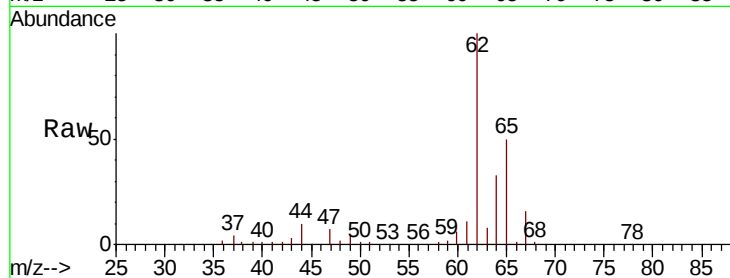
ClientSampleId :

Tot Ion: 62 Resp: 46467

Ion Ratio Lower Upper

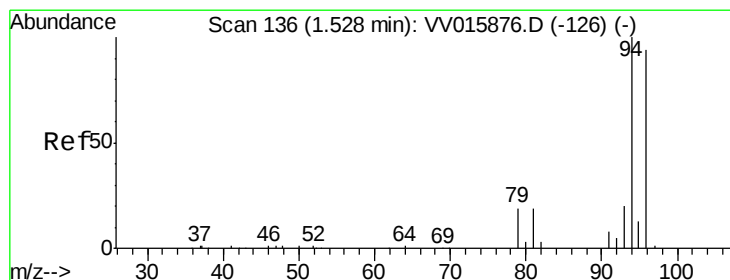
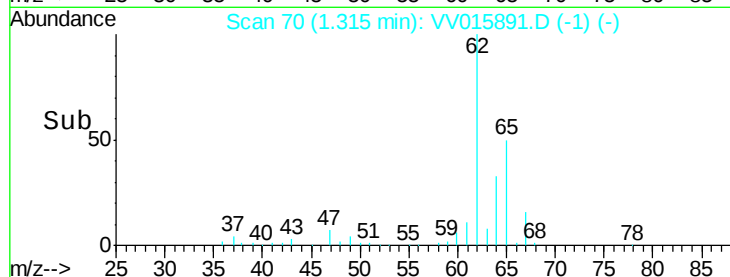
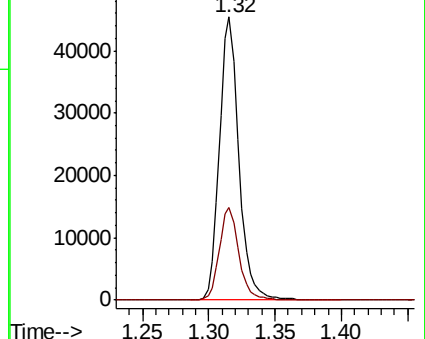
62 100

64 32.7 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.816 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV015891.D

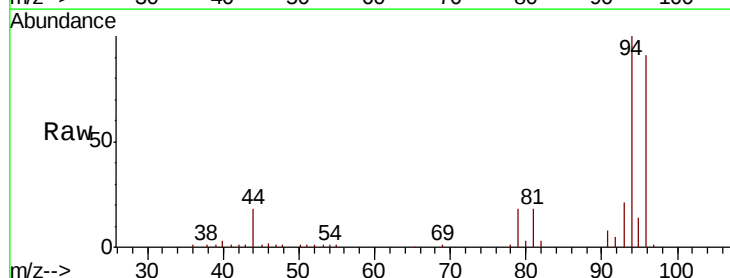
Acq: 04 May 2020 17:39

Tgt Ion: 94 Resp: 24464

Ion Ratio Lower Upper

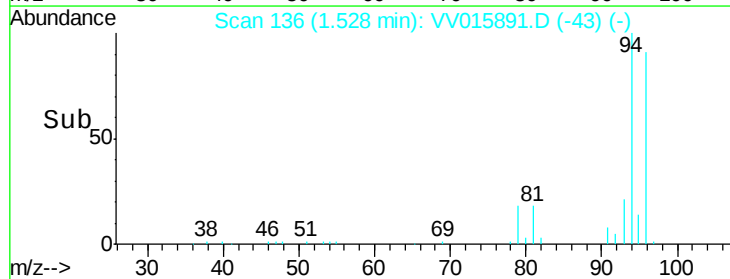
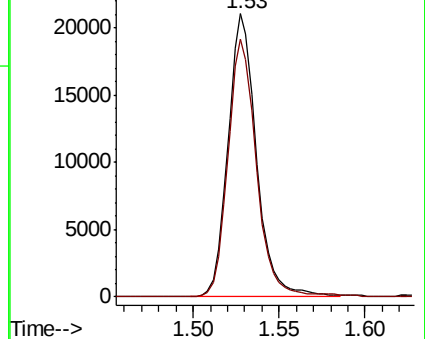
94 100

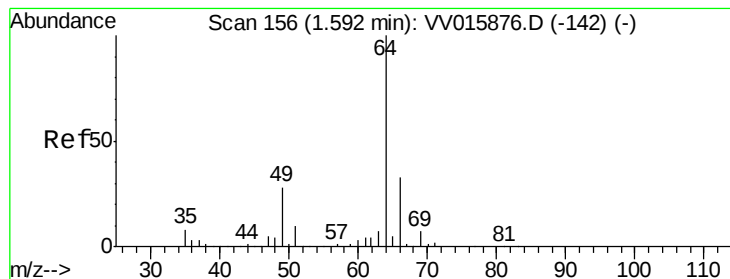
96 91.1 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.724 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV015891.D

Acq: 04 May 2020 17:39

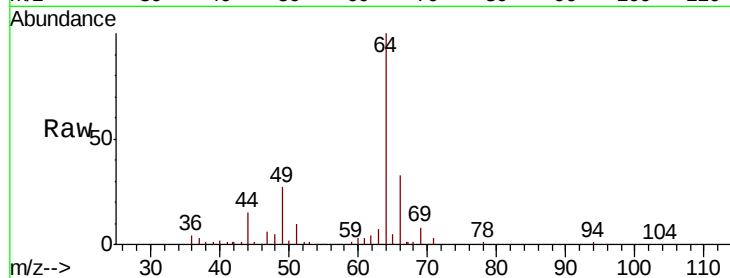
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 30400

Ion Ratio Lower Upper

64 100

66 32.9 22.3 41.5

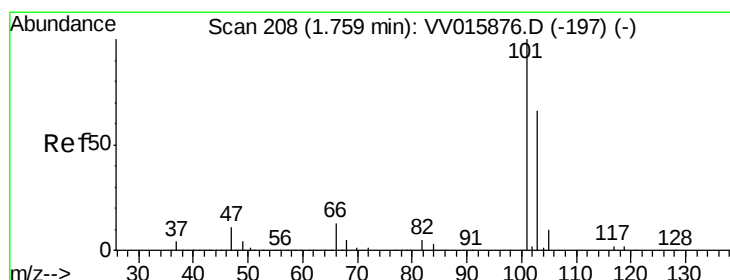
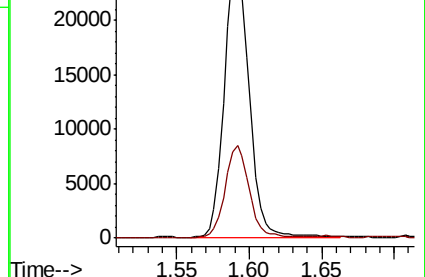
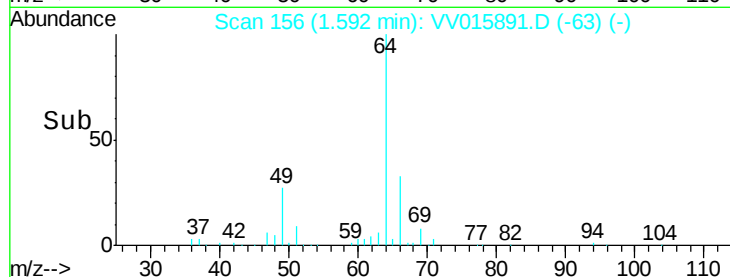


Abundance Ion 64.10 (63.80 to 64.80): VV015891.D (-142) (-)

Ion 66.05 (65.75 to 66.75): VV015891.D (-142) (-)

1.59

Time-->



#9

Trichlorofluoromethane

Concen: 4.887 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV015891.D

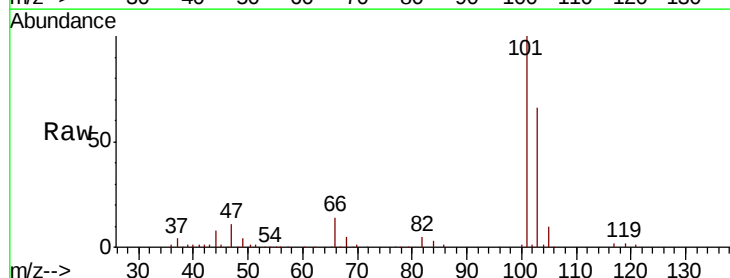
Acq: 04 May 2020 17:39

Tgt Ion: 101 Resp: 67196

Ion Ratio Lower Upper

101 100

103 64.6 52.3 78.5

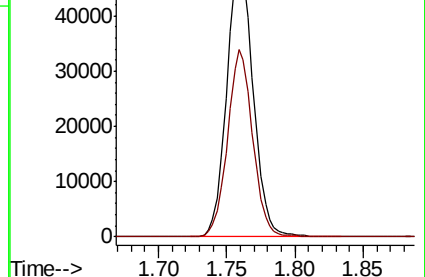
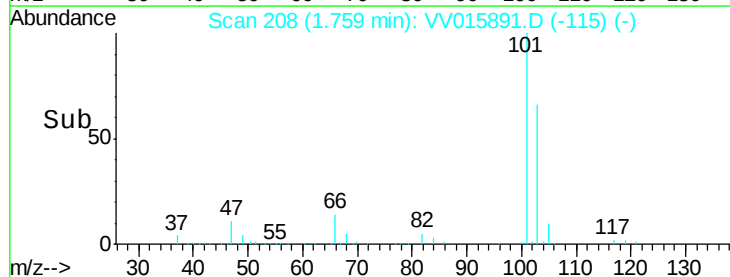


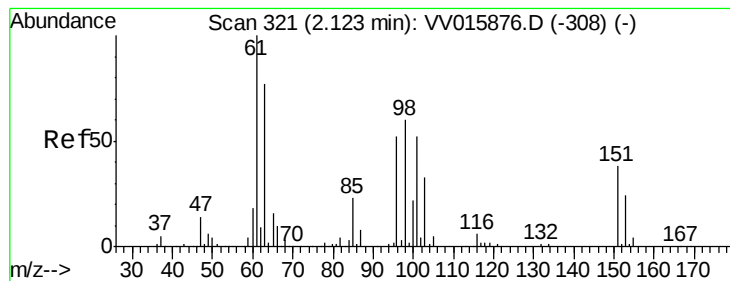
Abundance Ion 101.00 (100.70 to 101.70): VV015891.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV015891.D (-197) (-)

1.76

Time-->





#10

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

Concen: 4.822 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV015891.D

Acq: 04 May 2020 17:39

Instrument :

MSVOA_V

ClientSampled :

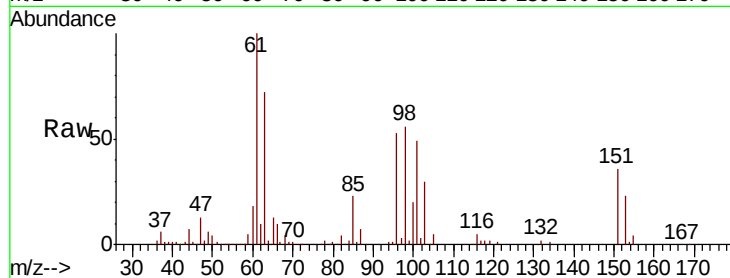
Tot Ion:101 Resp: 37505

Ion Ratio Lower Upper

101 100

85 46.2 36.1 54.1

151 73.3 55.2 82.8

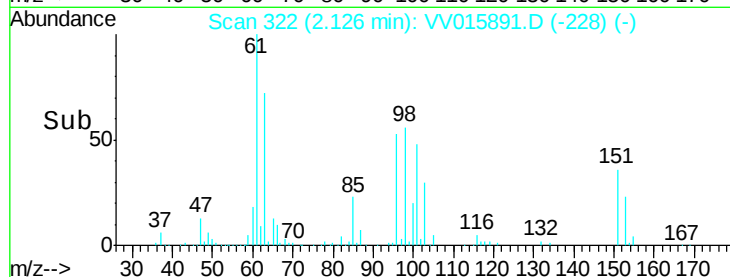


Abundance Ion 101.00 (100.70 to 101.70): VV015891.D (-228) (-)

Ion 85.00 (84.70 to 85.70): VV015891.D (-228) (-)

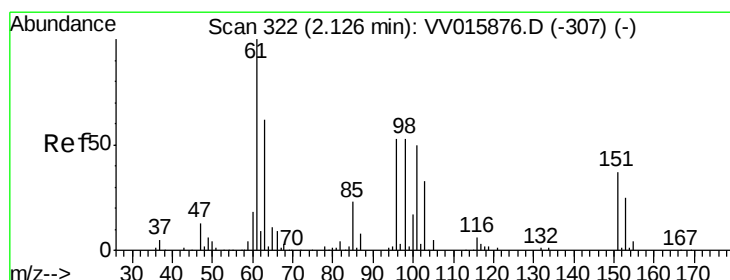
Ion 151.00 (150.70 to 151.70): VV015891.D (-228) (-)

Time-->



2.13

Time-->



#12

1,1-Dichloroethene

Concen: 4.903 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015891.D

Acq: 04 May 2020 17:39

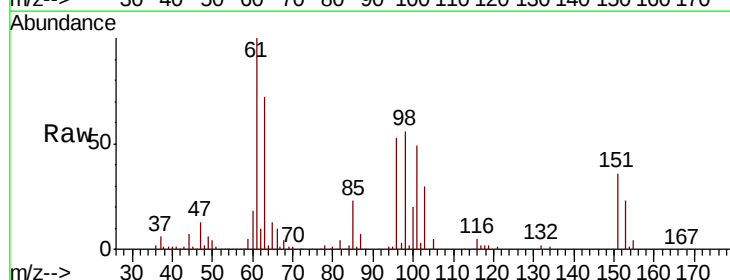
Tgt Ion: 96 Resp: 35328

Ion Ratio Lower Upper

96 100

61 189.7 130.1 241.7

63 136.4 91.4 169.8

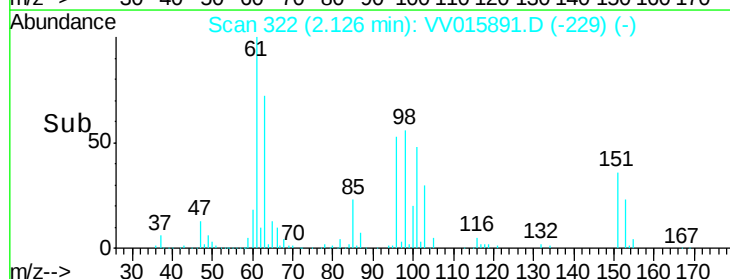


Abundance Ion 96.00 (95.70 to 96.70): VV015891.D (-229) (-)

Ion 61.05 (60.75 to 61.75): VV015891.D (-229) (-)

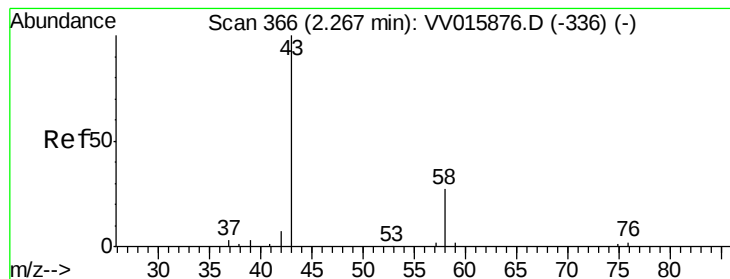
Ion 63.00 (62.70 to 63.70): VV015891.D (-229) (-)

Time-->



2.13

Time-->



#13

Acetone

Concen: 15.569 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VV015891.D

Acq: 04 May 2020 17:39

Instrument :

MSVOA_V

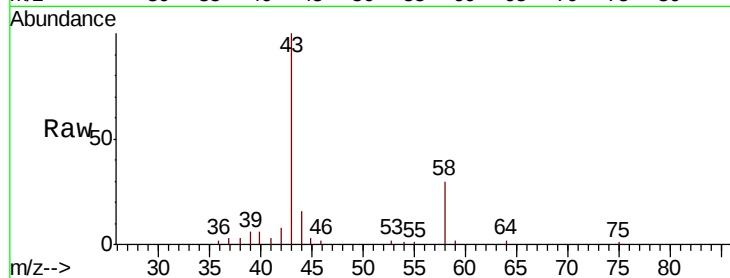
ClientSampleId :

Tot Ion: 43 Resp: 22457

Ion Ratio Lower Upper

43 100

58 29.4 0.0 57.6



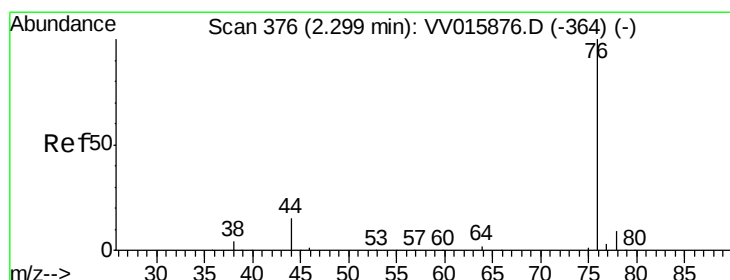
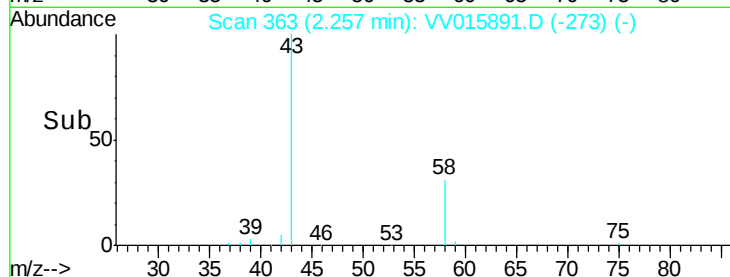
Abundance Ion 43.05 (42.75 to 43.75): VV015891.D (-273) (-)

Ion 58.05 (57.75 to 58.75): VV015891.D (-273) (-)

2.26

Time-->

2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 4.483 ug/L

RT: 2.30 min Scan# 377

Delta R.T. 0.00 min

Lab File: VV015891.D

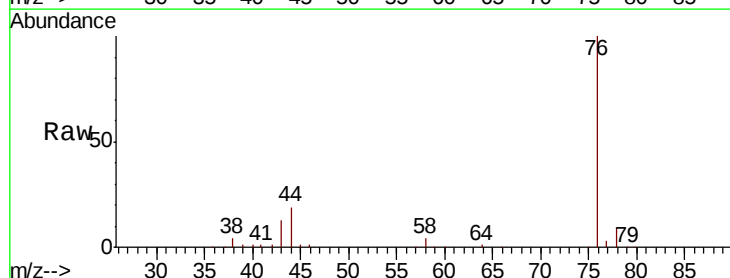
Acq: 04 May 2020 17:39

Tgt Ion: 76 Resp: 91312

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0



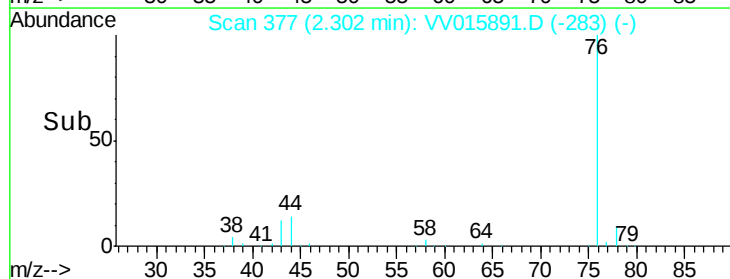
Abundance Ion 76.05 (75.75 to 76.75): VV015891.D (-283) (-)

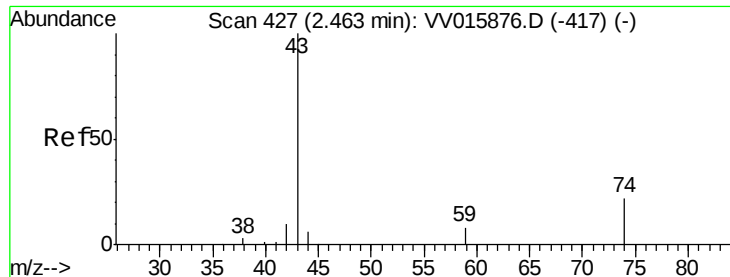
Ion 78.00 (77.70 to 78.70): VV015891.D (-283) (-)

2.30

Time-->

2.25 2.30 2.35 2.40

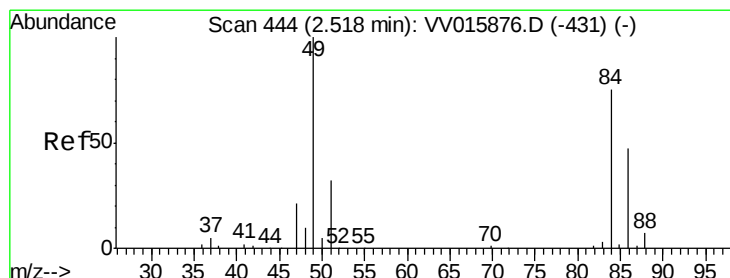
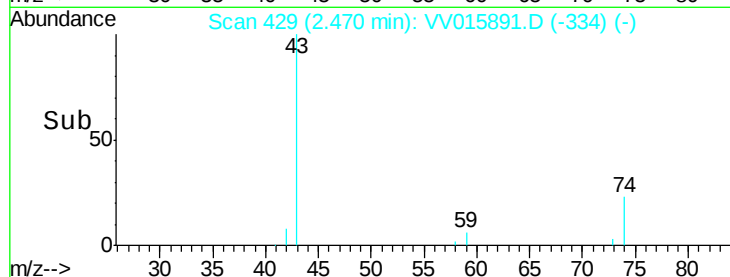
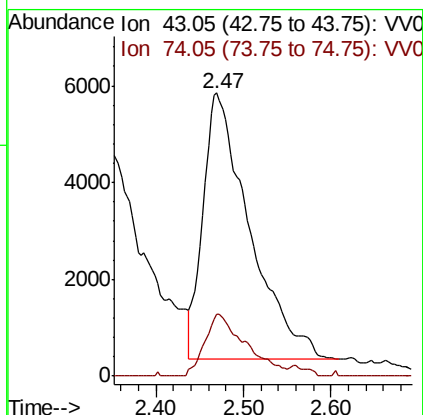
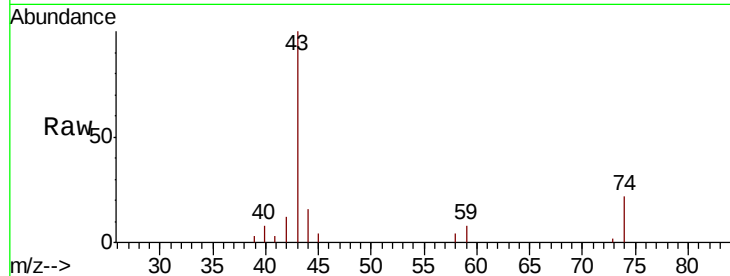




#15
Methvl Acetate
Concen: 5.939 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.01 min
Lab File: VV015891.D
Acq: 04 May 2020 17:39

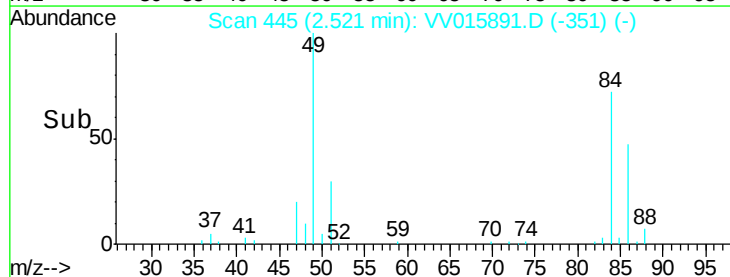
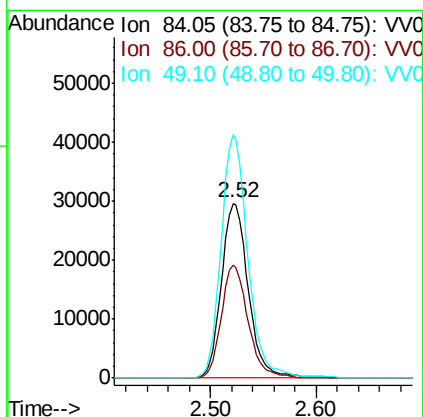
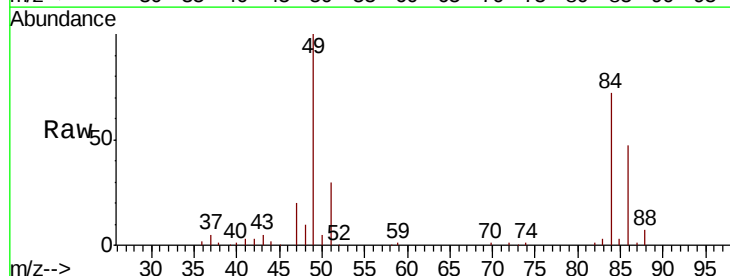
Instrument :
MSVOA_V
ClientSampleId :

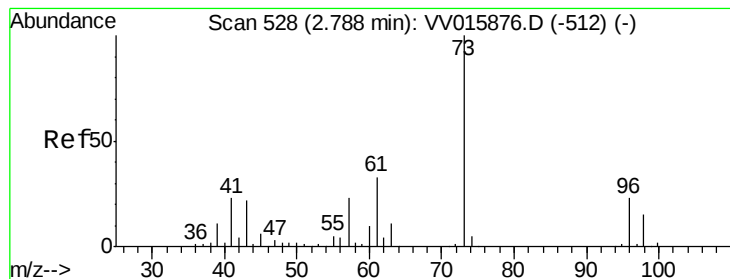
Tot Ion: 43 Resp: 20372
Ion Ratio Lower Upper
43 100
74 20.6 16.3 24.5



#16
Methylene chloride
Concen: 5.899 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV015891.D
Acq: 04 May 2020 17:39

Tgt Ion: 84 Resp: 52475
Ion Ratio Lower Upper
84 100
86 64.9 45.1 83.7
49 139.1 94.4 175.4



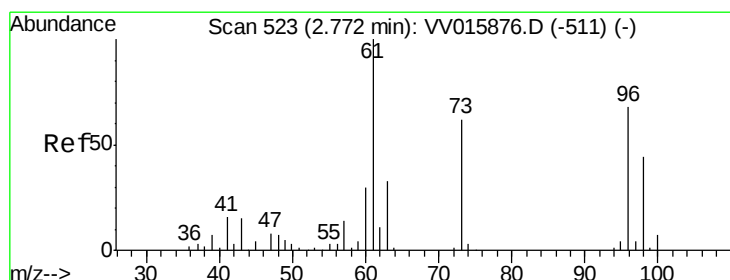
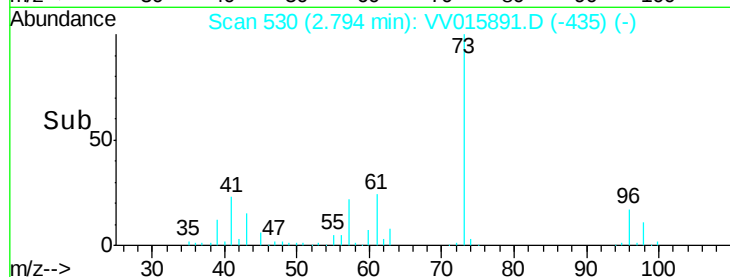
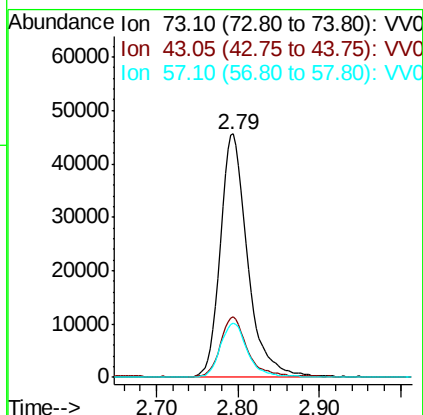
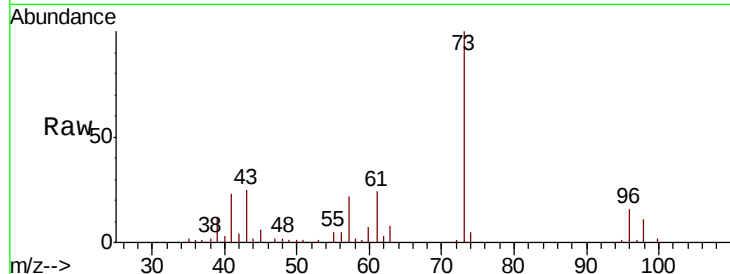


#17

Methvl tert-butvl Ether
 Concen: 5.344 ug/L
 RT: 2.79 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VV015891.D
 Acq: 04 May 2020 17:39

Instrument :
 MSVOA_V
 ClientSampleId :

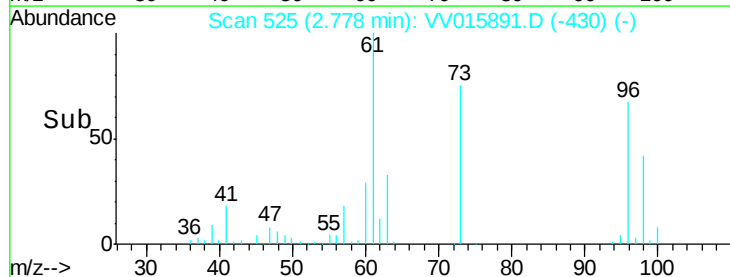
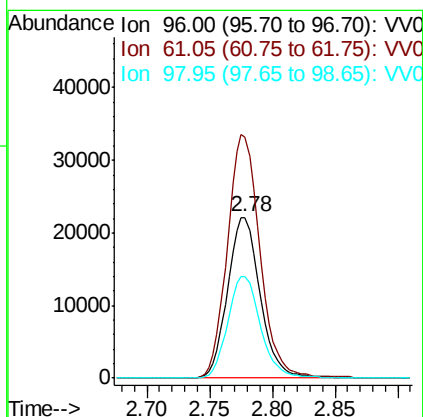
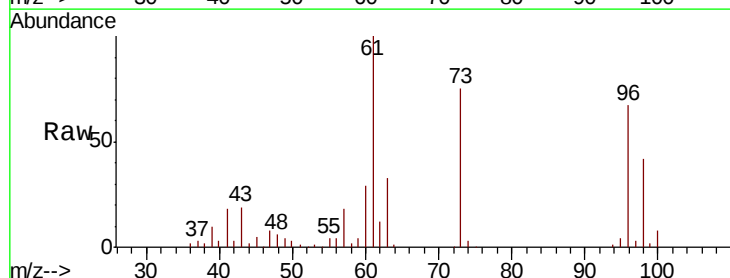
Tot Ion	Ratio	Lower	Upper
73	100		
43	23.7	20.1	30.1
57	22.1	17.8	26.8

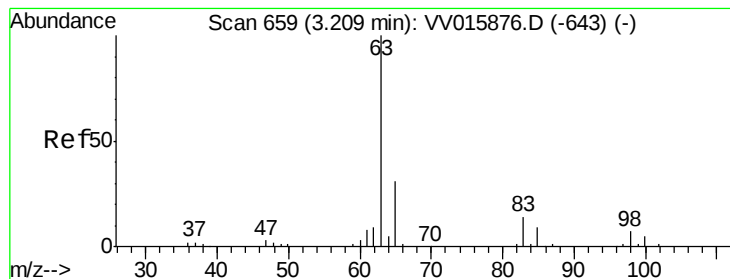


#18

trans-1,2-Dichloroethene
 Concen: 4.965 ug/L
 RT: 2.78 min Scan# 525
 Delta R.T. 0.01 min
 Lab File: VV015891.D
 Acq: 04 May 2020 17:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.3	105.5	195.9
98	63.1	44.2	82.0





#19

1,1-Dichloroethane

Concen: 5.291 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV015891.D

Acq: 04 May 2020 17:39

Instrument :

MSVOA_V

ClientSampleId :

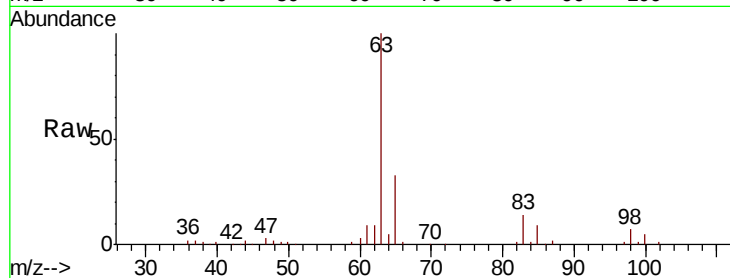
Tot Ion: 63 Resp: 83808

Ion Ratio Lower Upper

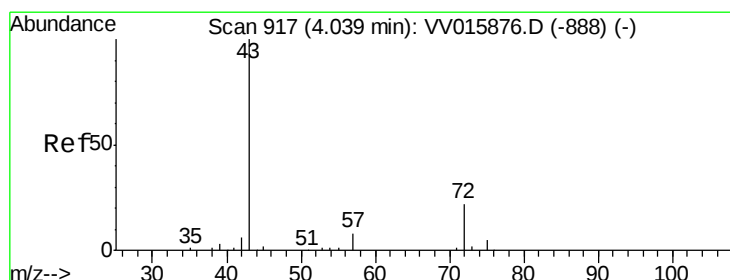
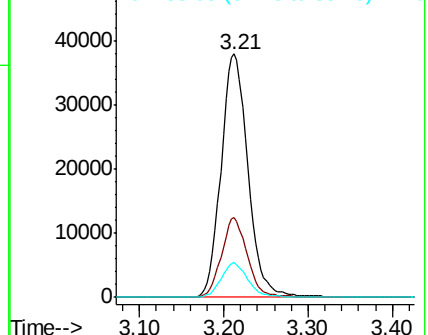
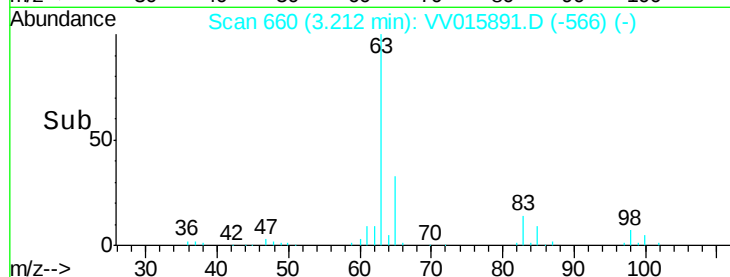
63 100

65 32.9 22.3 41.3

83 14.1 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VV015891.D (-566) (-)



#21

2-Butanone

Concen: 20.783 ug/L

RT: 4.05 min Scan# 920

Delta R.T. 0.01 min

Lab File: VV015891.D

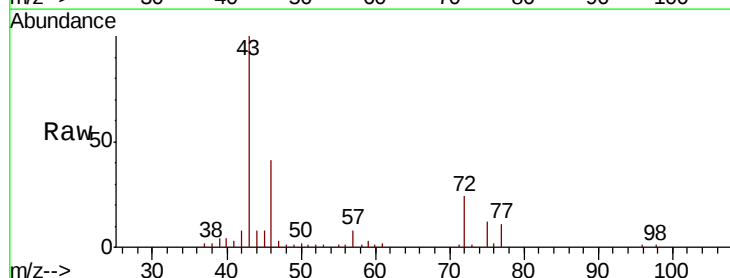
Acq: 04 May 2020 17:39

Tgt Ion: 43 Resp: 46241

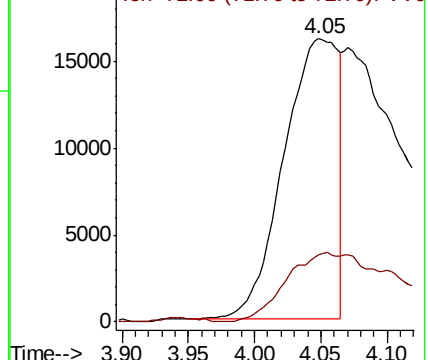
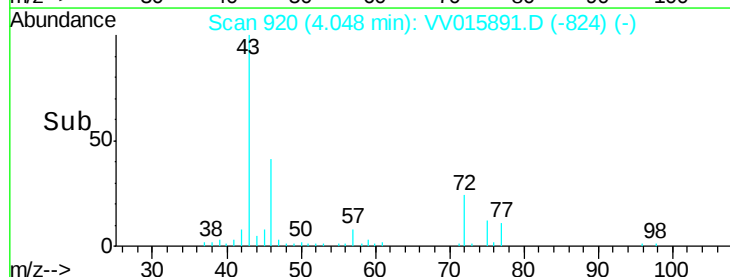
Ion Ratio Lower Upper

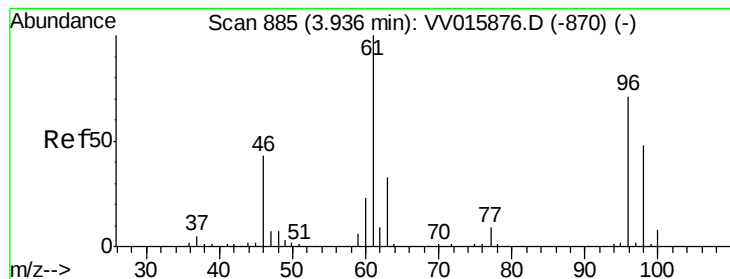
43 100

72 22.2 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV015891.D (-824) (-)



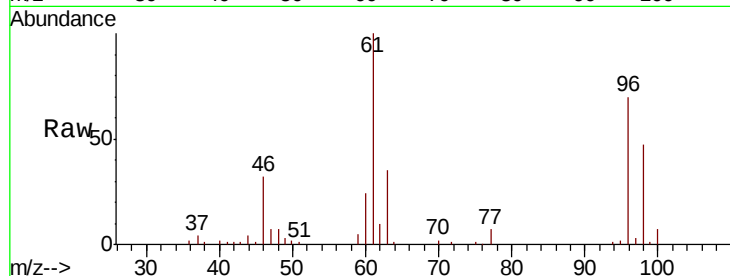


#22

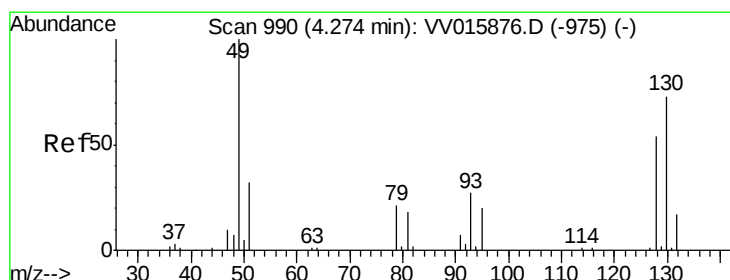
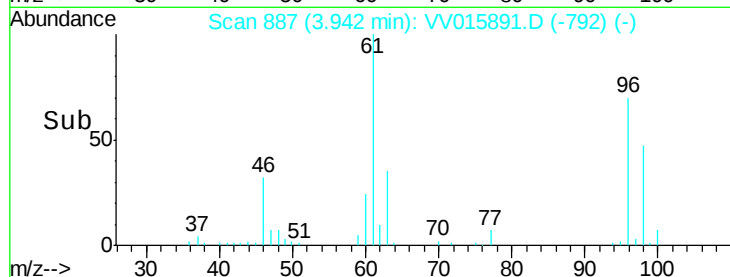
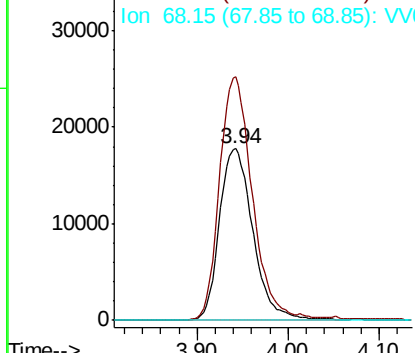
cis-1,2-Dichloroethene
Concen: 5.089 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.01 min
Lab File: VV015891.D
Acq: 04 May 2020 17:39

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 45390
Ion Ratio Lower Upper
96 100
61 141.9 96.4 179.0
68 0.0 0.0 0.0



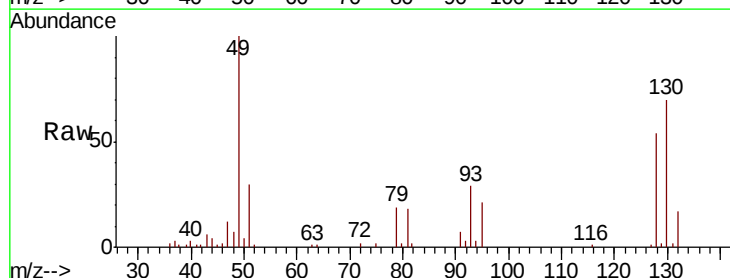
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



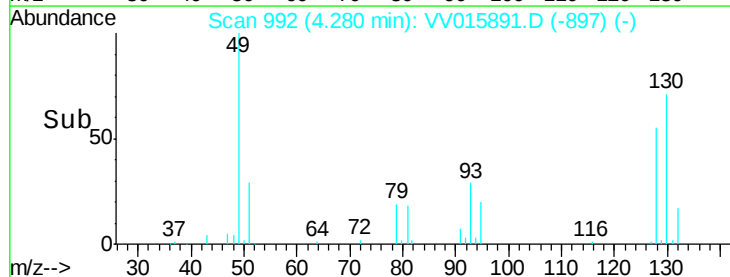
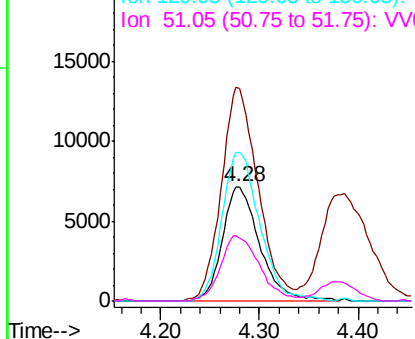
#23

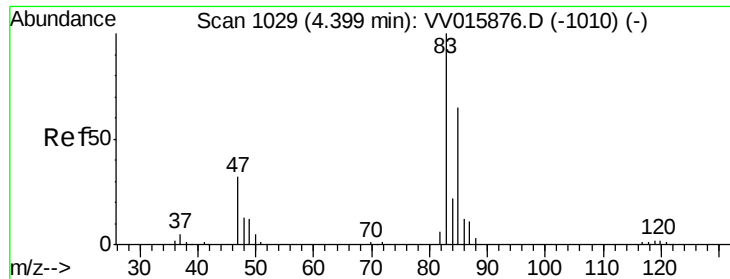
Bromochloromethane
Concen: 5.169 ug/L
RT: 4.28 min Scan# 992
Delta R.T. 0.01 min
Lab File: VV015891.D
Acq: 04 May 2020 17:39

Tgt Ion: 128 Resp: 18834
Ion Ratio Lower Upper
128 100
49 185.8 130.8 242.8
130 130.0 91.1 169.3
51 55.3 45.2 67.8



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

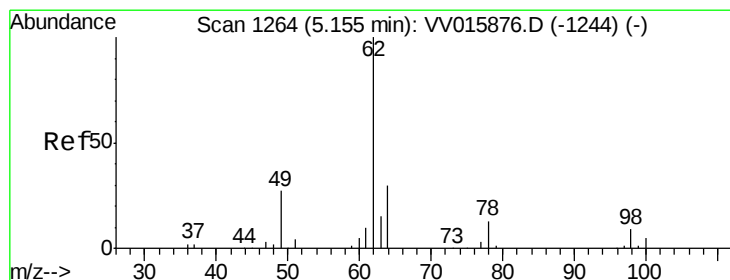
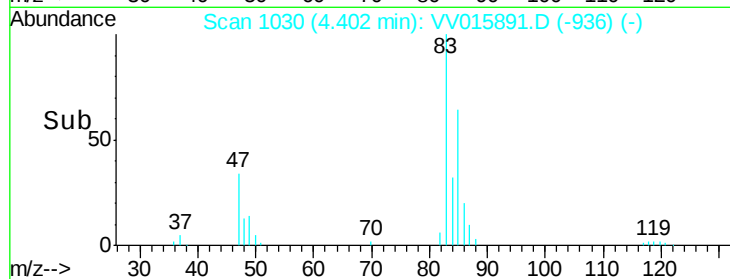
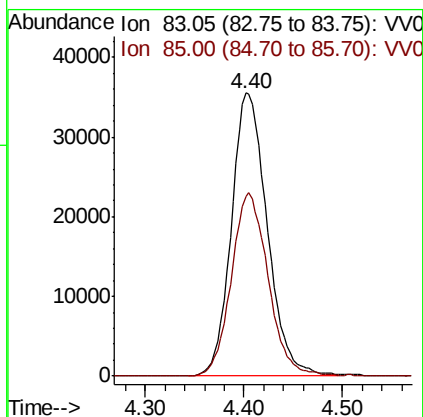
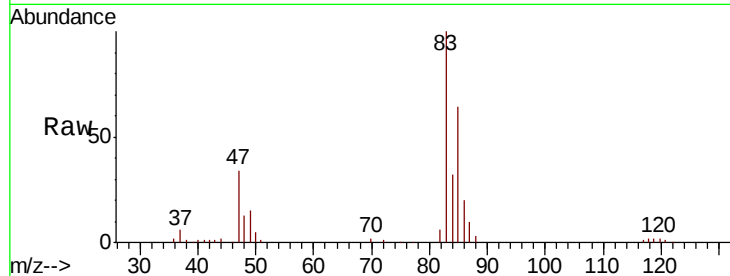




#25
Chloroform
Concen: 5.353 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015891.D
Acq: 04 May 2020 17:39

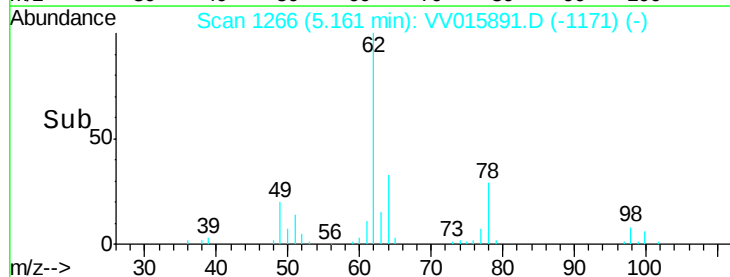
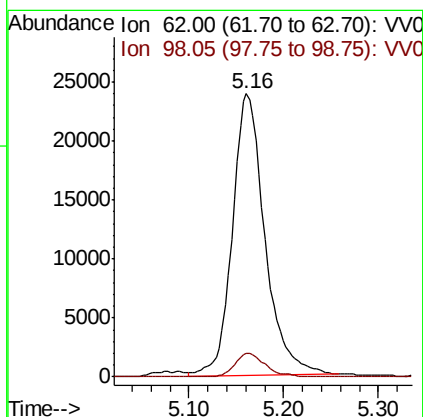
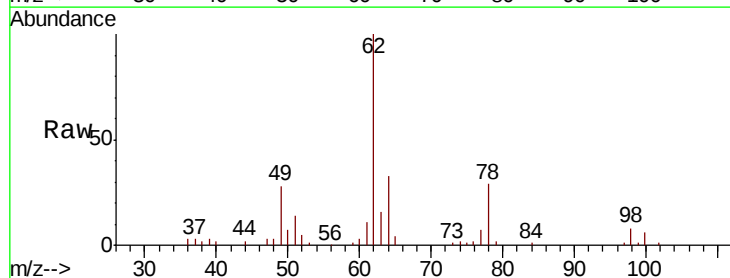
Instrument :
MSVOA_V
ClientSampleId :

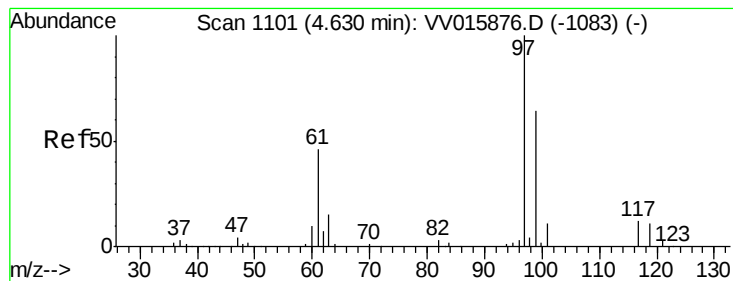
Tot Ion: 83 Resp: 90015
Ion Ratio Lower Upper
83 100
85 63.6 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.159 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VV015891.D
Acq: 04 May 2020 17:39

Tgt Ion: 62 Resp: 57003
Ion Ratio Lower Upper
62 100
98 8.4 6.3 9.5





#29

1,1,1-Trichloroethane

Concen: 5.021 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VV015891.D

Acq: 04 May 2020 17:39

Instrument :

MSVOA_V

ClientSampled :

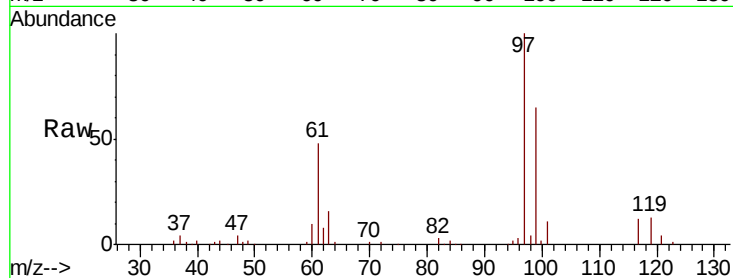
Tot Ion: 97 Resp: 76211

Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 48.2 38.6 57.8

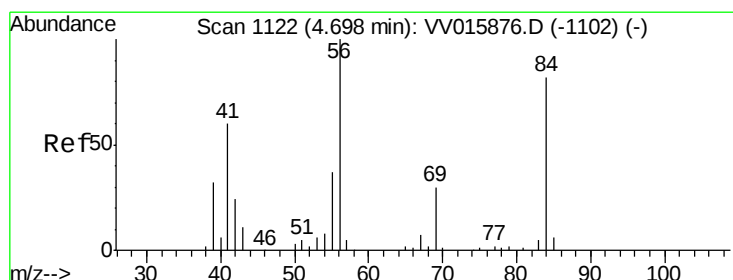
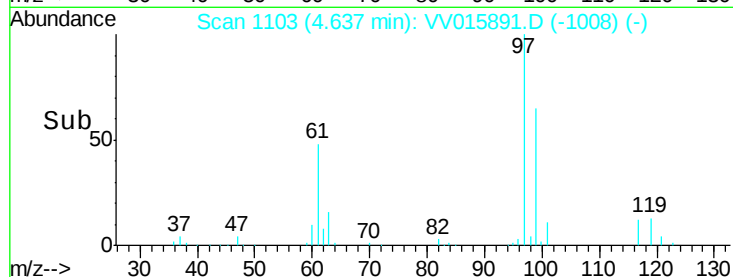
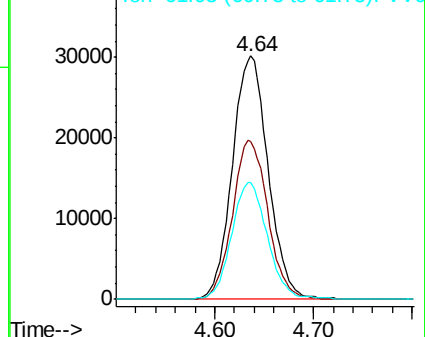


Abundance

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: 4.751 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV015891.D

Acq: 04 May 2020 17:39

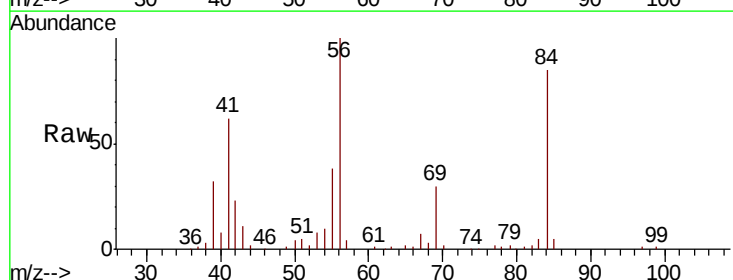
Tgt Ion: 56 Resp: 68891

Ion Ratio Lower Upper

56 100

69 30.3 23.9 35.9

84 84.6 66.9 100.3

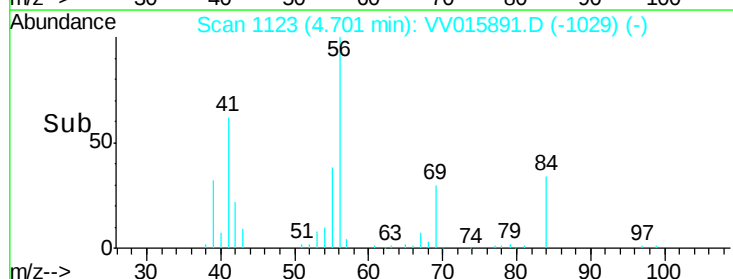
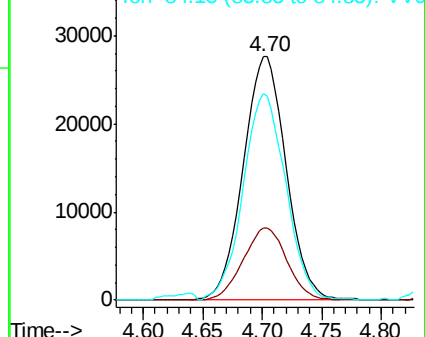


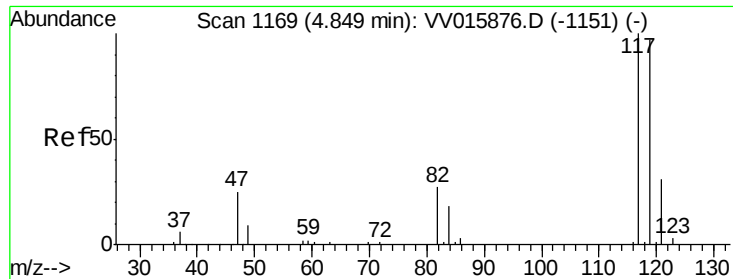
Abundance

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: 4.979 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VV015891.D

Acq: 04 May 2020 17:39

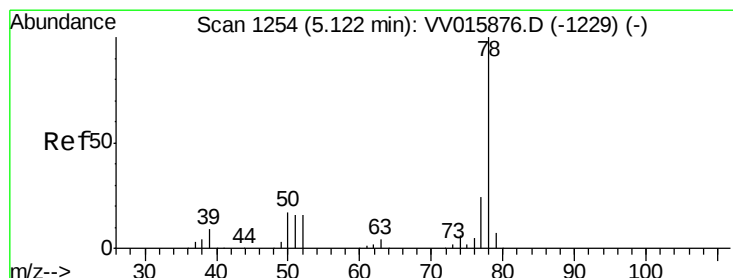
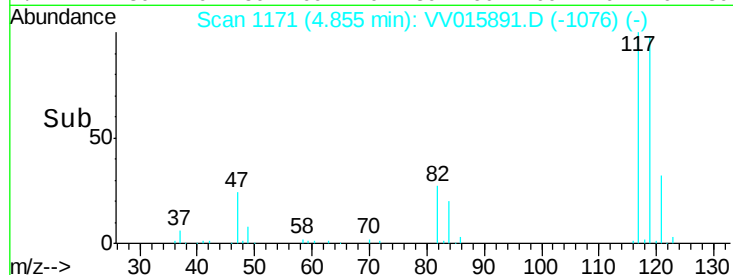
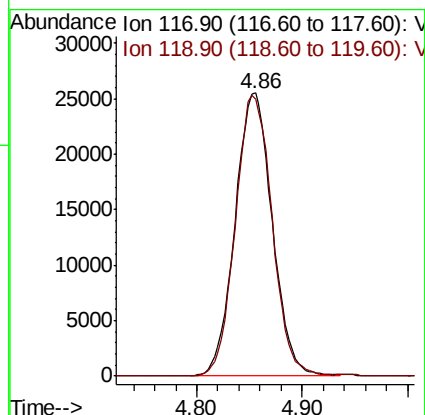
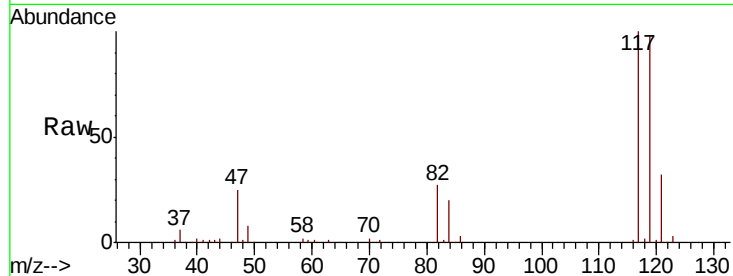
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:117 Resp: 62583

Ion Ratio Lower Upper

117 100

119 97.8 75.6 113.4



#33

Benzene

Concen: 5.004 ug/L

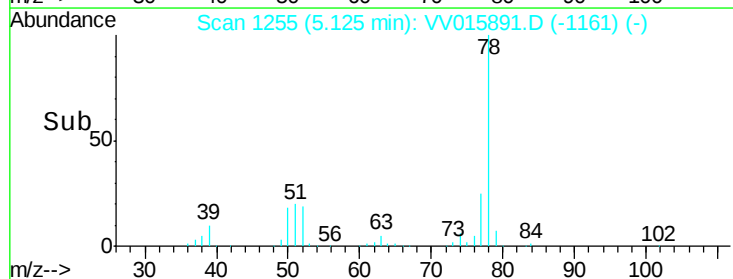
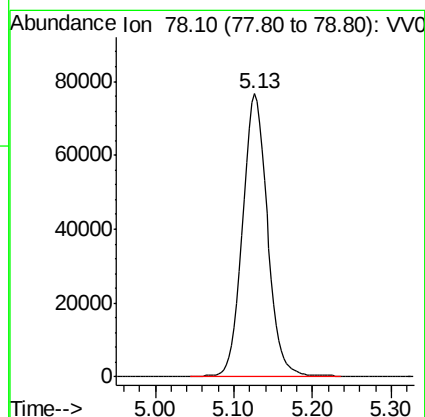
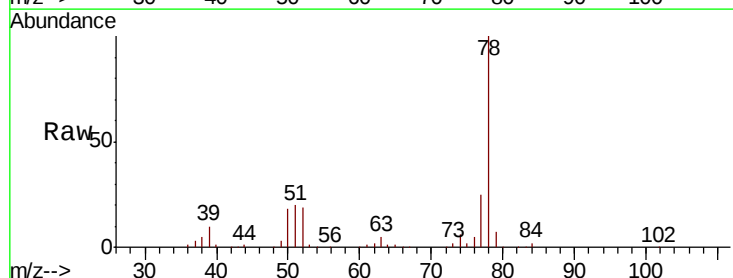
RT: 5.13 min Scan# 1255

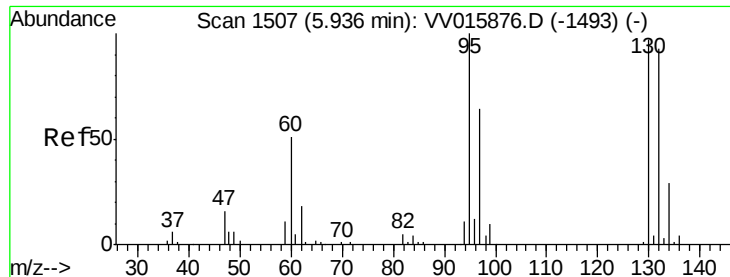
Delta R.T. 0.00 min

Lab File: VV015891.D

Acq: 04 May 2020 17:39

Tgt Ion: 78 Resp: 171098





#34

Trichloroethene

Concen: 4.917 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015891.D

Acq: 04 May 2020 17:39

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 46435

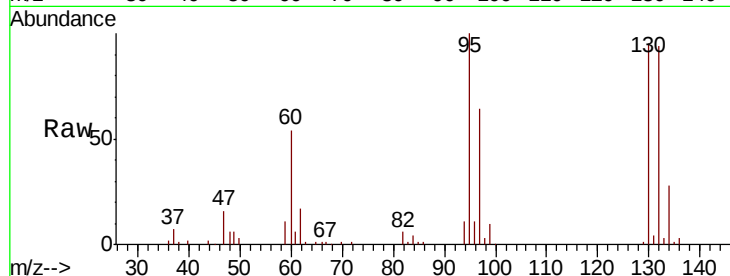
Ion Ratio Lower Upper

95 100

97 64.2 44.7 82.9

132 94.1 65.2 121.0

130 95.4 65.0 120.6

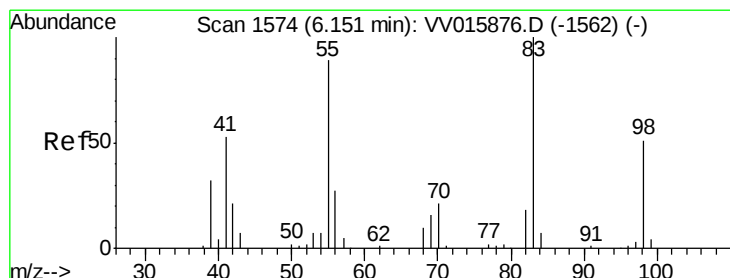
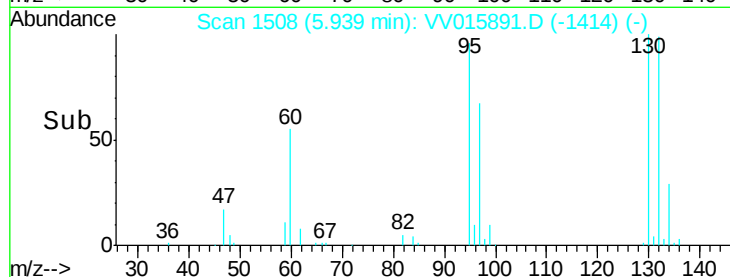
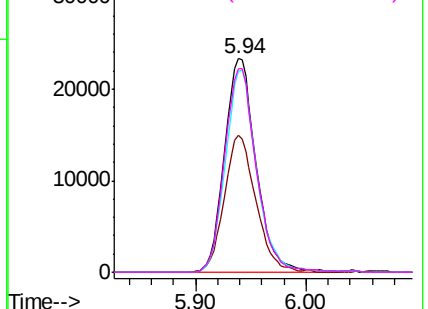


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.721 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV015891.D

Acq: 04 May 2020 17:39

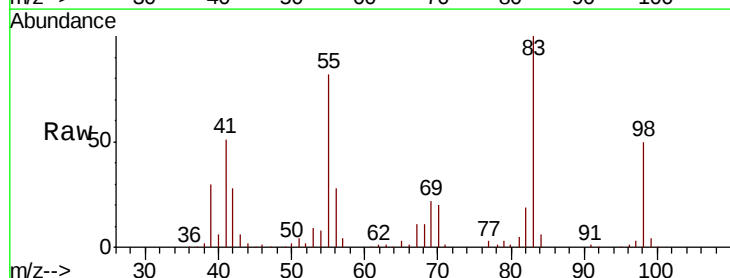
Tgt Ion: 83 Resp: 68422

Ion Ratio Lower Upper

83 100

55 79.8 66.6 99.8

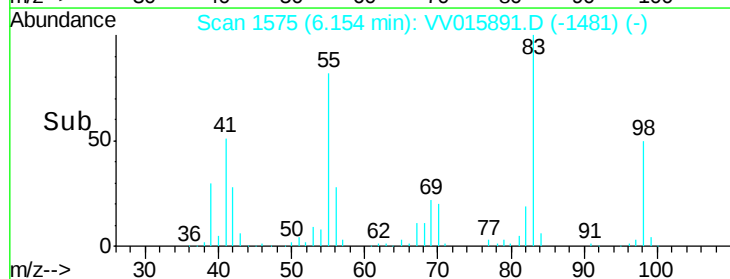
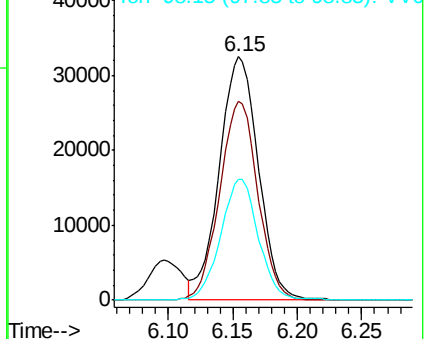
98 47.9 39.5 59.3

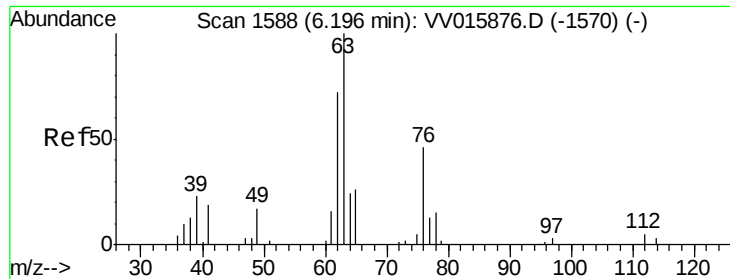


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.139 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV015891.D

Acq: 04 May 2020 17:39

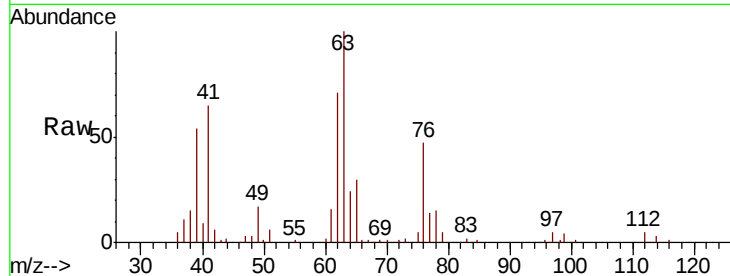
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 44664

Ion Ratio Lower Upper

63 100

112 5.0 3.6 5.4



Abundance Ion 63.10 (62.80 to 63.80): VV015891.D (-1495) (-)

Ion 112.10 (111.80 to 112.80): VV015891.D (-1495) (-)

25000

20000

15000

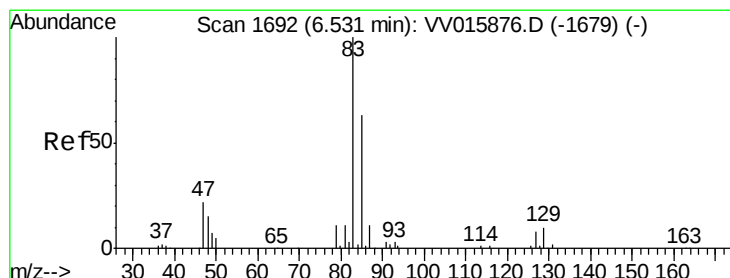
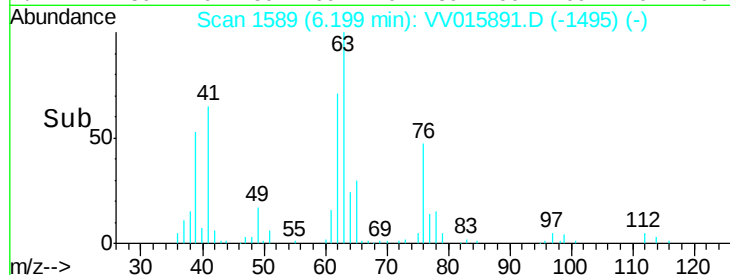
10000

5000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.109 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV015891.D

Acq: 04 May 2020 17:39

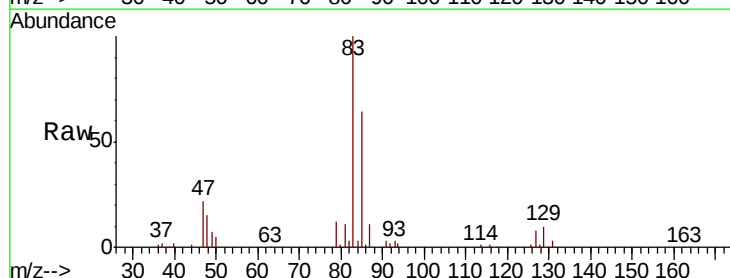
Tgt Ion: 83 Resp: 56384

Ion Ratio Lower Upper

83 100

85 63.9 44.7 83.1

127 7.8 5.8 8.6



Abundance Ion 82.95 (82.65 to 83.65): VV015891.D (-1599) (-)

Ion 85.00 (84.70 to 85.70): VV015891.D (-1599) (-)

Ion 126.90 (126.60 to 127.60): VV015891.D (-1599) (-)

40000

30000

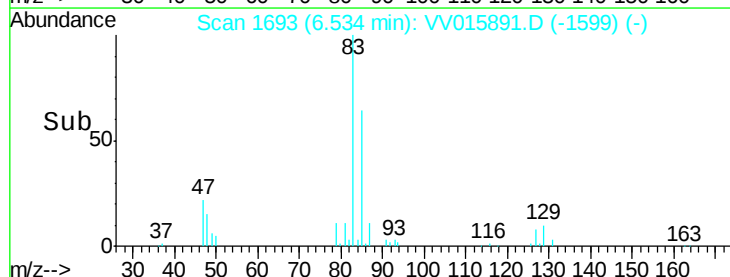
20000

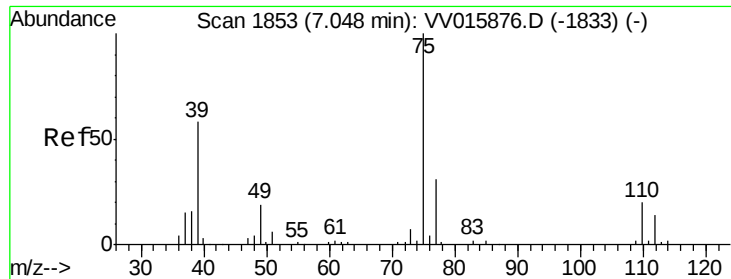
10000

0

6.50 6.53 6.56 6.59 6.62

Time-->

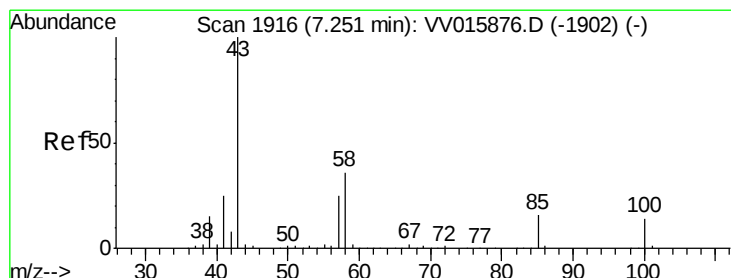
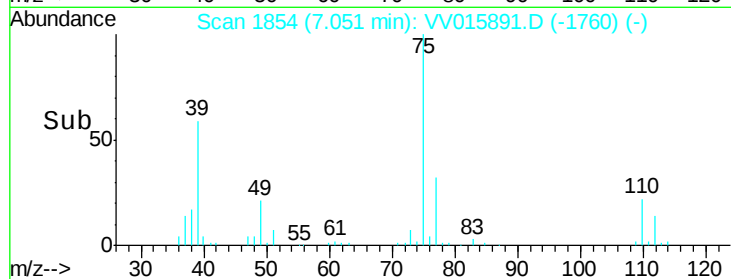
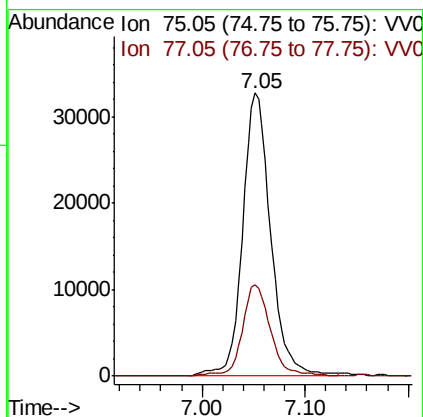
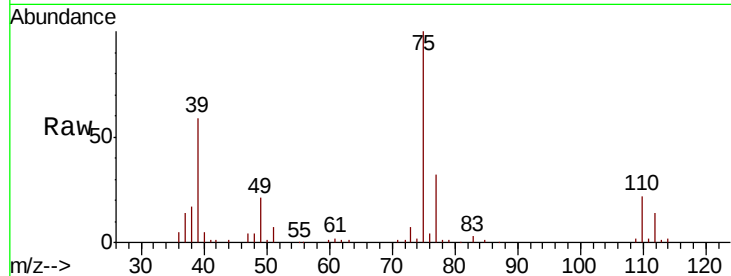




#39
 cis-1,3-Dichloropropene
 Concen: 5.100 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV015891.D
 Acq: 04 May 2020 17:39

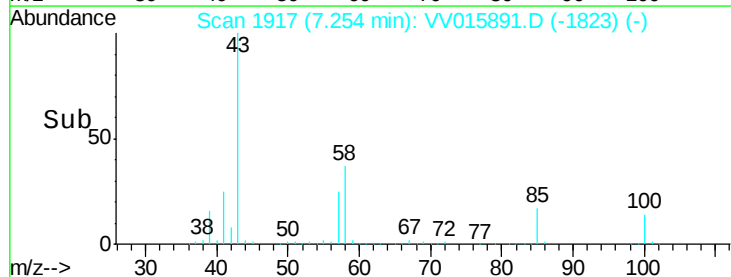
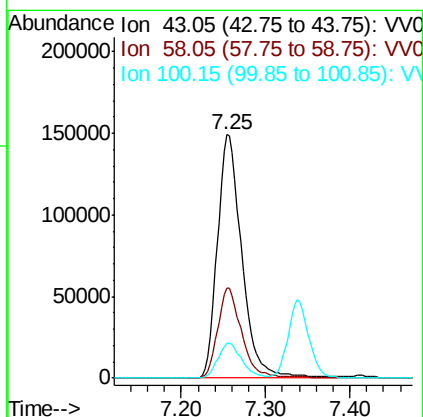
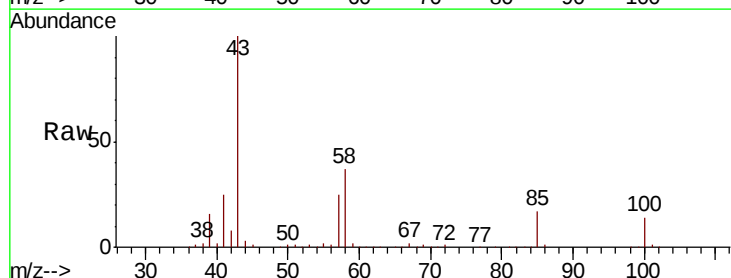
Instrument :
 MSVOA_V
 ClientSampleId :

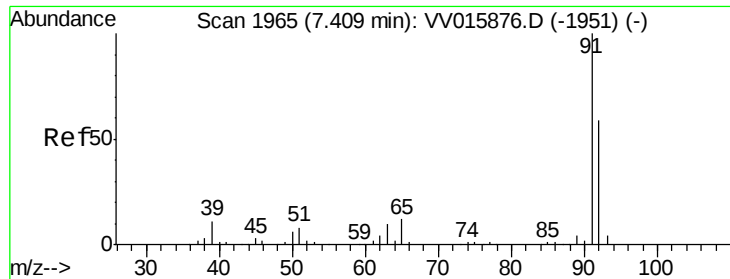
Tot Ion: 75 Resp: 61789
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 53.280 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV015891.D
 Acq: 04 May 2020 17:39

Tgt Ion: 43 Resp: 300538
 Ion Ratio Lower Upper
 43 100
 58 36.0 29.2 43.8
 100 14.0 11.4 17.2





#42

Toluene

Concen: 5.064 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV015891.D

Acq: 04 May 2020 17:39

Instrument :

MSVOA_V

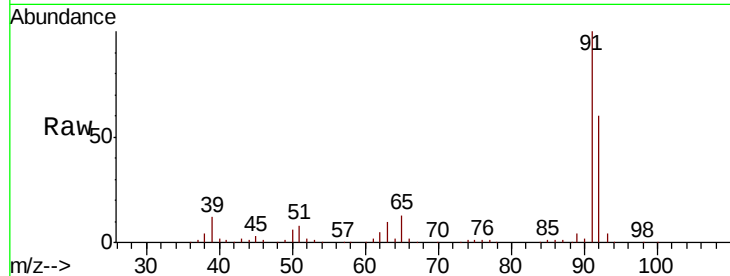
ClientSampled :

Tot Ion: 91 Resp: 185017

Ion Ratio Lower Upper

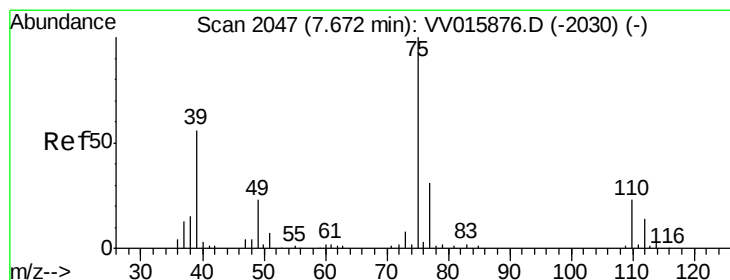
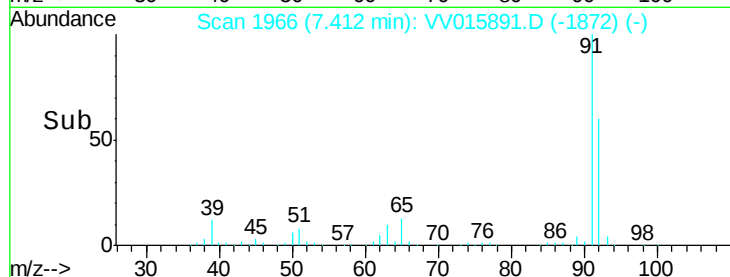
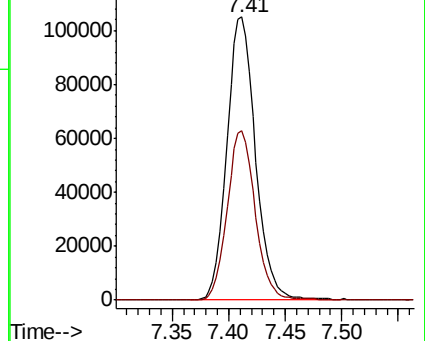
91 100

92 59.7 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.186 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV015891.D

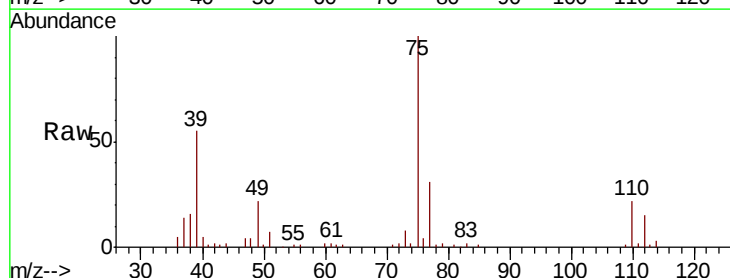
Acq: 04 May 2020 17:39

Tgt Ion: 75 Resp: 52800

Ion Ratio Lower Upper

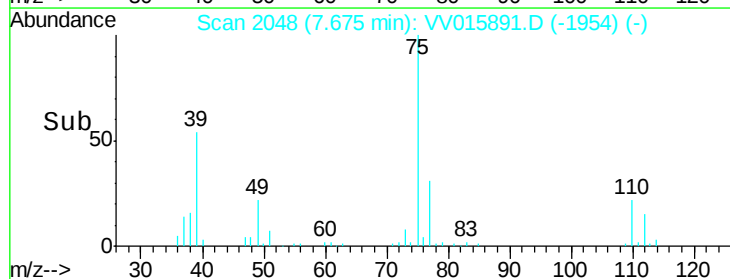
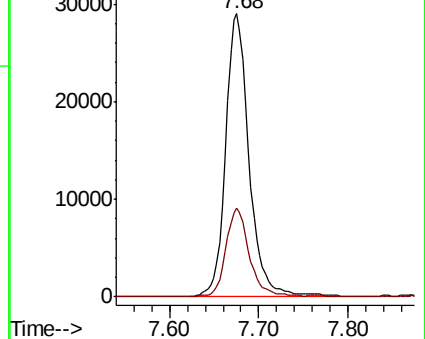
75 100

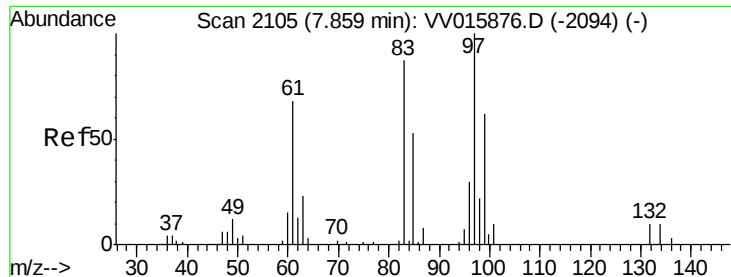
77 31.3 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

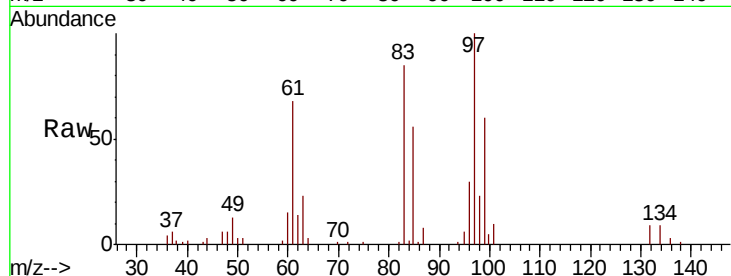




#45
 1,1,2-Trichloroethane
 Concen: 5.352 ug/L
 RT: 7.86 min Scan# 2107
 Delta R.T. 0.01 min
 Lab File: VV015891.D
 Acq: 04 May 2020 17:39

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	97	Resp:	31707
Ion	Ratio	Lower	Upper
97	100		
99	60.3	45.4	84.4
83	84.9	61.3	113.9
85	55.8	38.4	71.4

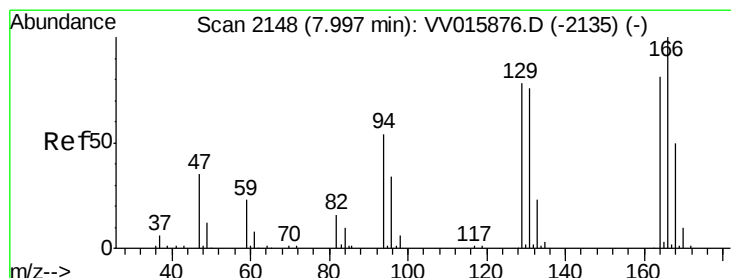
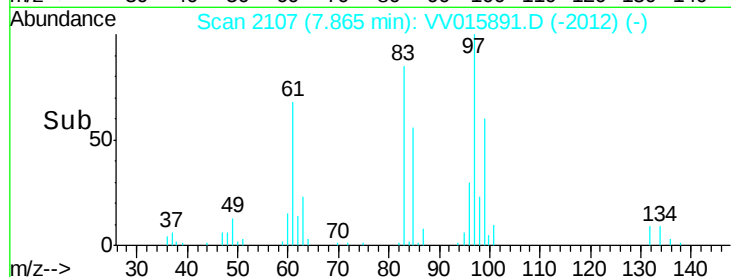
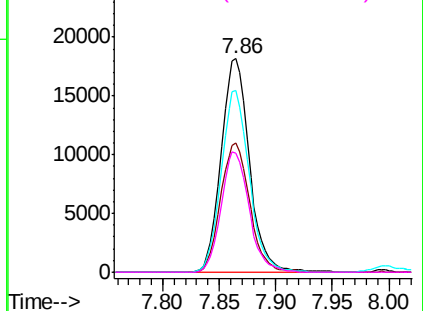


Abundance Ion 96.95 (96.65 to 97.65): VV015891.D (-2012) (-)

Ion 99.05 (98.75 to 99.75): VV015891.D (-2012) (-)

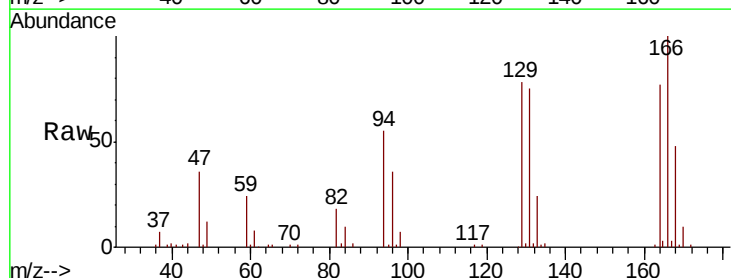
Ion 82.95 (82.65 to 83.65): VV015891.D (-2012) (-)

Ion 85.00 (84.70 to 85.70): VV015891.D (-2012) (-)



#47
 Tetrachloroethene
 Concen: 4.710 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV015891.D
 Acq: 04 May 2020 17:39

Tgt Ion:	164	Resp:	32022
Ion	Ratio	Lower	Upper
164	100		
129	100.7	66.7	123.9
131	96.9	66.6	123.6
166	129.2	85.3	158.5

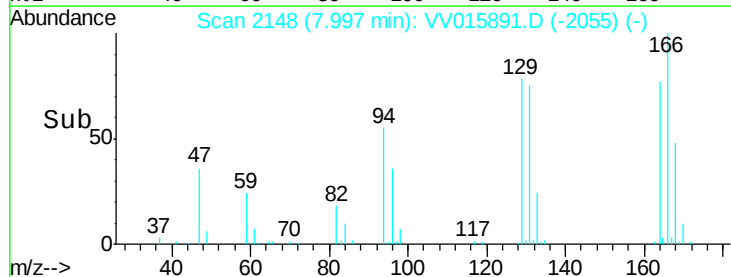
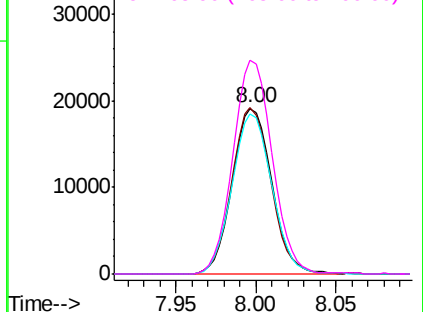


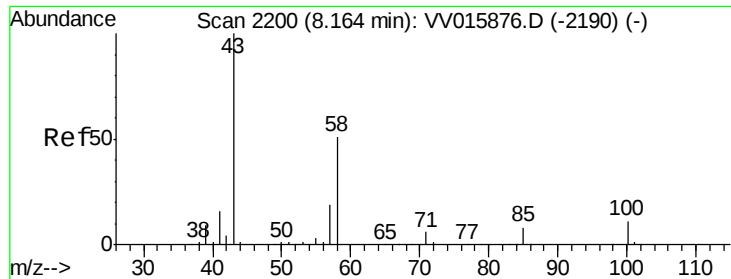
Abundance Ion 163.90 (163.60 to 164.60): VV015891.D (-2055) (-)

Ion 128.95 (128.65 to 129.65): VV015891.D (-2055) (-)

Ion 130.95 (130.65 to 131.65): VV015891.D (-2055) (-)

Ion 165.90 (165.60 to 166.60): VV015891.D (-2055) (-)

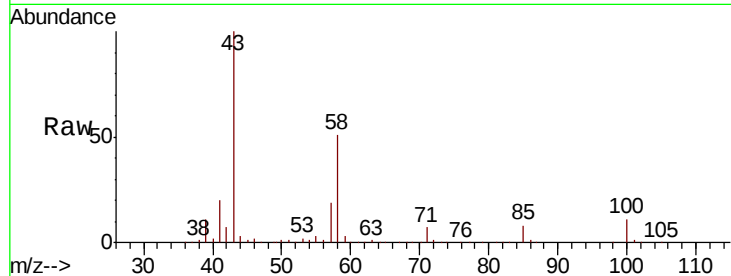




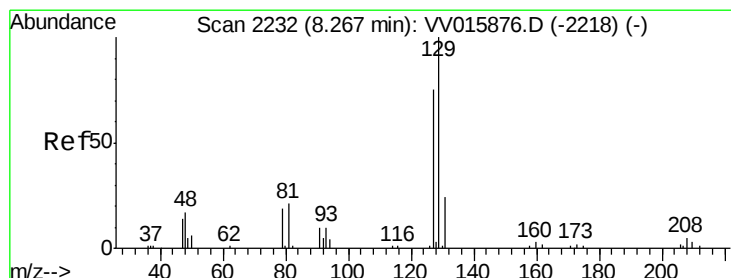
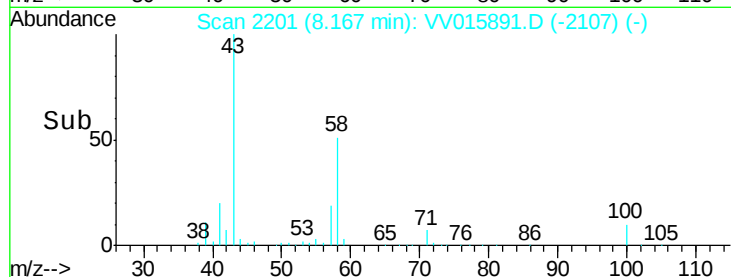
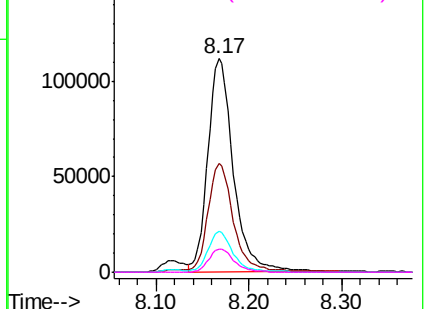
#48
2-Hexanone
Concen: 52.884 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV015891.D
Acq: 04 May 2020 17:39

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 212727
Ion Ratio Lower Upper
43 100
58 50.0 41.1 61.7
57 18.6 15.0 22.4
100 11.0 9.0 13.4

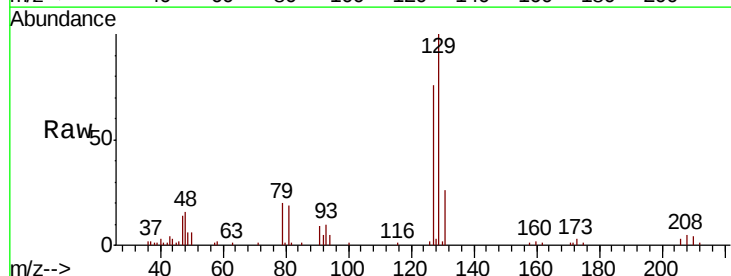


Abundance Ion 43.05 (42.75 to 43.75): VV015891.D (-2107) (-)
Ion 58.05 (57.75 to 58.75): VV015891.D (-2107) (-)
Ion 57.20 (56.90 to 57.90): VV015891.D (-2107) (-)
Ion 100.15 (99.85 to 100.85): VV015891.D (-2107) (-)

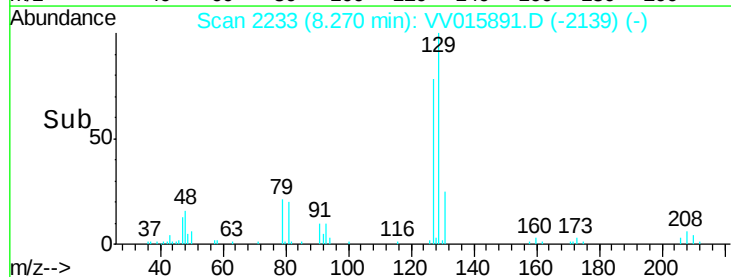
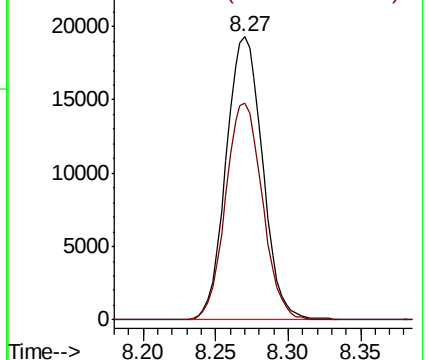


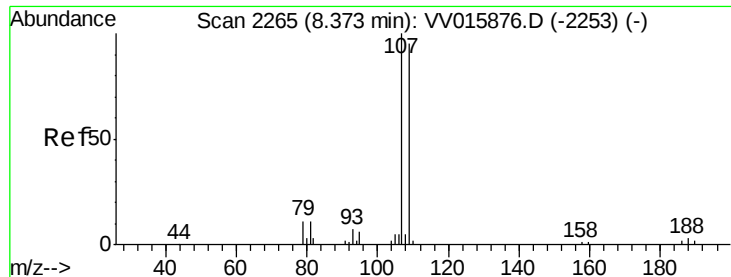
#49
Dibromochloromethane
Concen: 5.509 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV015891.D
Acq: 04 May 2020 17:39

Tgt Ion: 129 Resp: 33776
Ion Ratio Lower Upper
129 100
127 76.5 52.6 97.8



Abundance Ion 128.95 (128.65 to 129.65): VV015891.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV015891.D (-2139) (-)

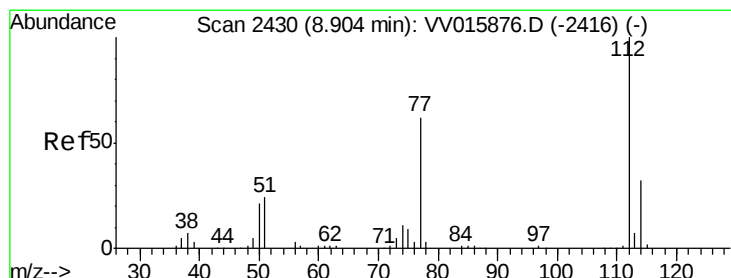
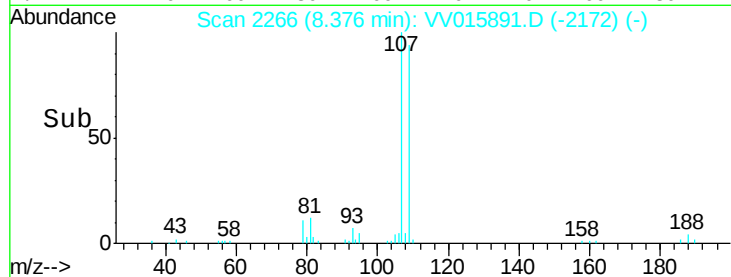
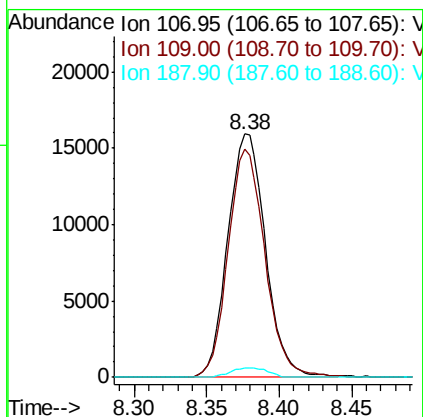
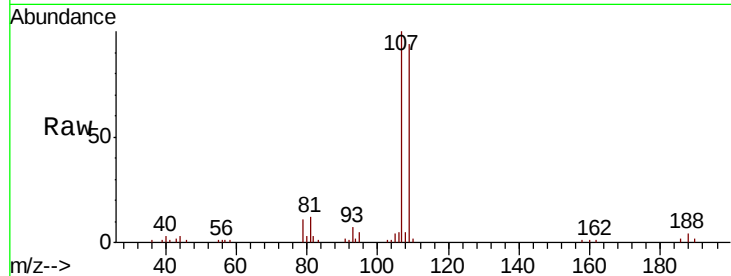




#50
 1,2-Dibromoethane
 Concen: 5.258 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV015891.D
 Acq: 04 May 2020 17:39

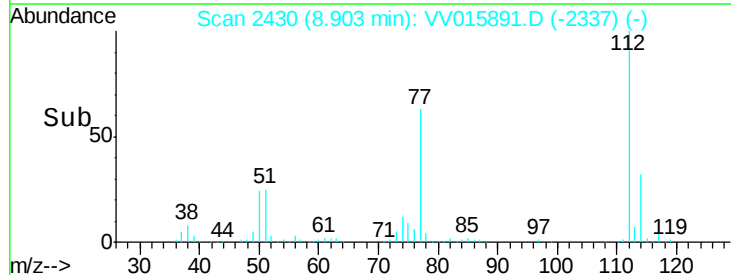
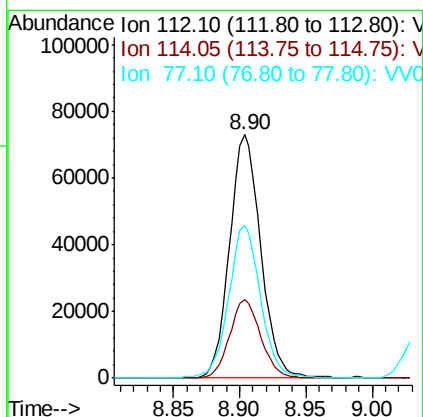
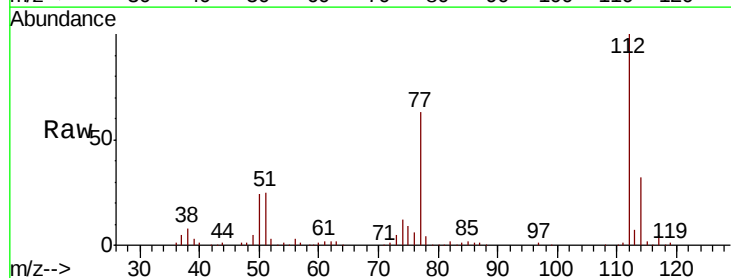
Instrument :
 MSVOA_V
 ClientSampleId :

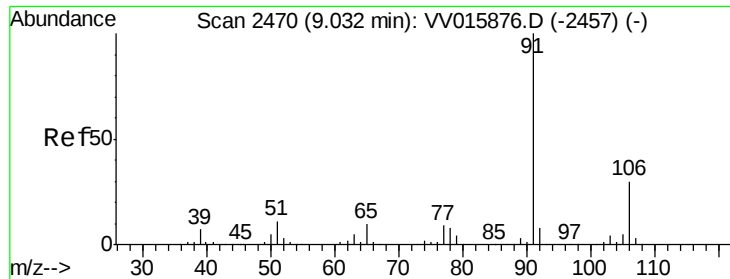
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	68.1	126.5
188	3.7	3.2	4.8



#51
 Chlorobenzene
 Concen: 4.987 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VV015891.D
 Acq: 04 May 2020 17:39

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	21.6	40.2
77	62.9	48.9	73.3





#52

Ethylbenzene

Concen: 4.985 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV015891.D

Acq: 04 May 2020 17:39

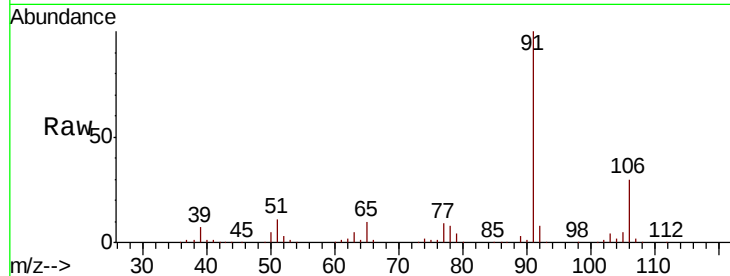
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 210761

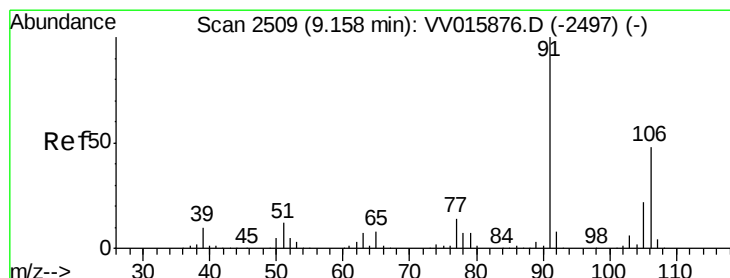
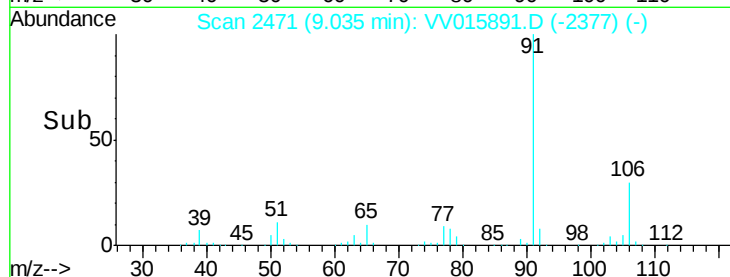
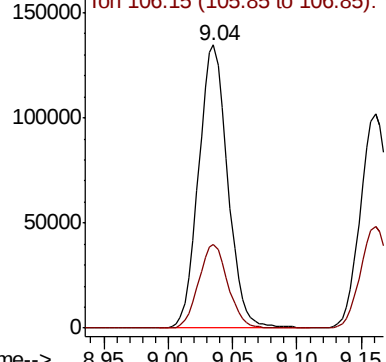
Ion Ratio Lower Upper

91 100

106 29.6 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VV015891.D (-2471) (-)



#53

m,p-xylene

Concen: 5.102 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015891.D

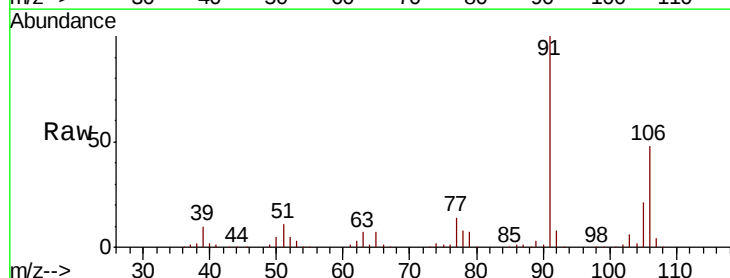
Acq: 04 May 2020 17:39

Tgt Ion: 106 Resp: 79017

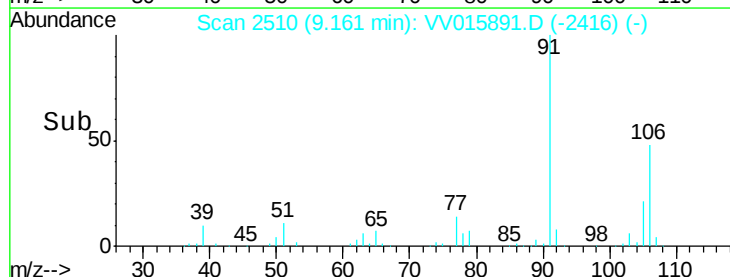
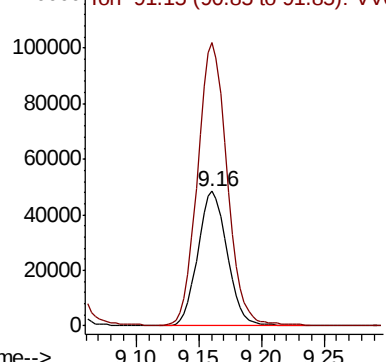
Ion Ratio Lower Upper

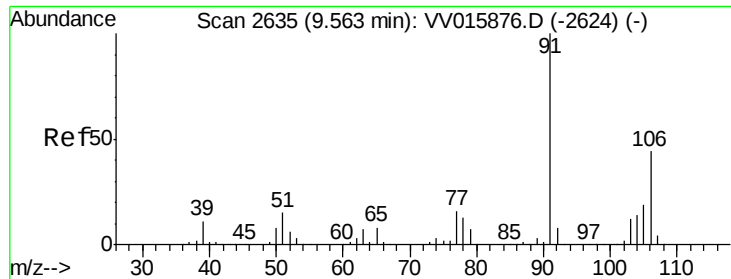
106 100

91 210.4 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VV015891.D (-2509) (-)

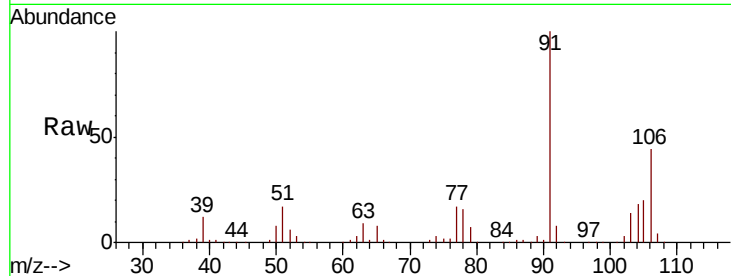




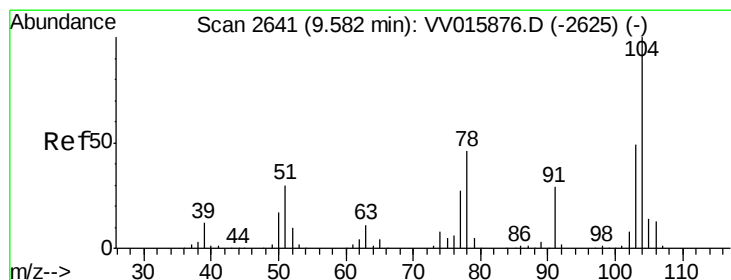
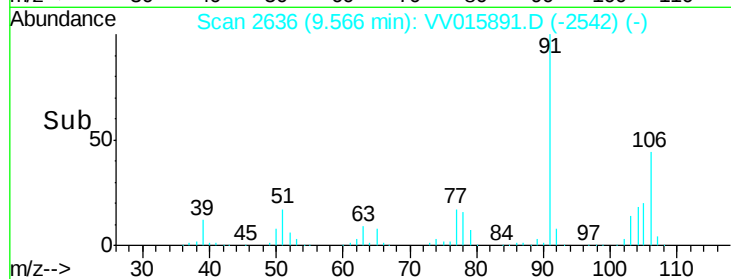
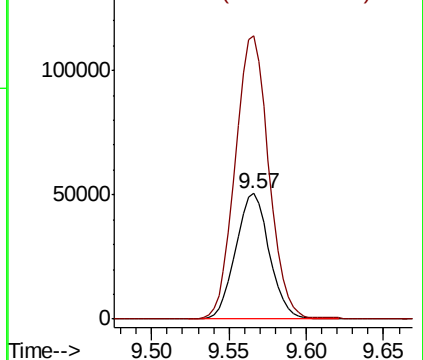
#54
o-xylene
Concen: 5.102 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV015891.D
Acq: 04 May 2020 17:39

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 76448
Ion Ratio Lower Upper
106 100
91 225.8 159.8 296.8

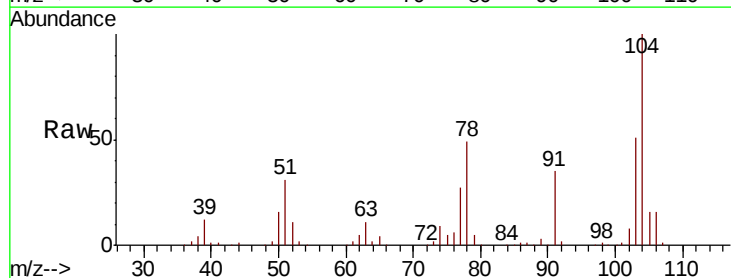


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

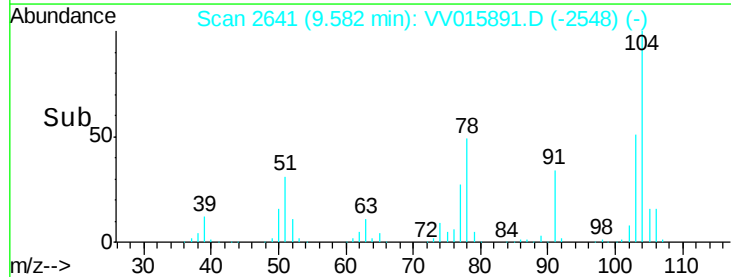
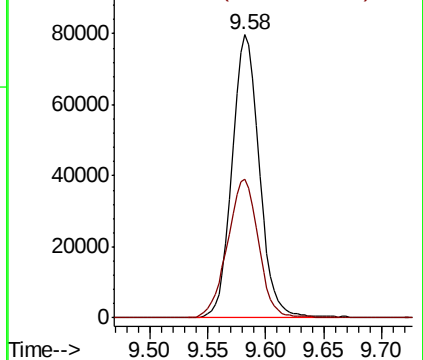


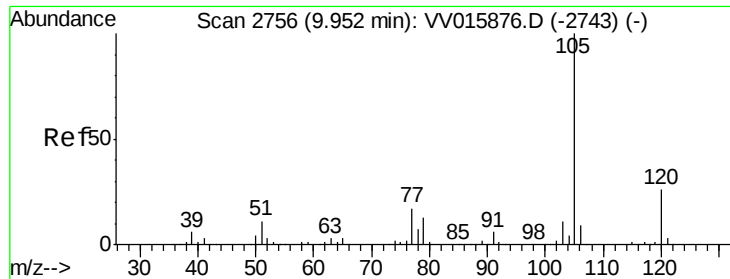
#55
Styrene
Concen: 5.094 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV015891.D
Acq: 04 May 2020 17:39

Tgt Ion:104 Resp: 129542
Ion Ratio Lower Upper
104 100
78 48.8 34.5 64.1



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





#56

Isopropylbenzene

Concen: 5.046 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015891.D

Acq: 04 May 2020 17:39

Instrument :
MSVOA_V
ClientSampleId :

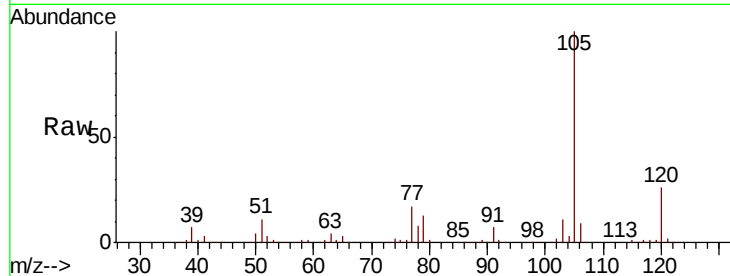
Tot Ion:105 Resp: 212129

Ion Ratio Lower Upper

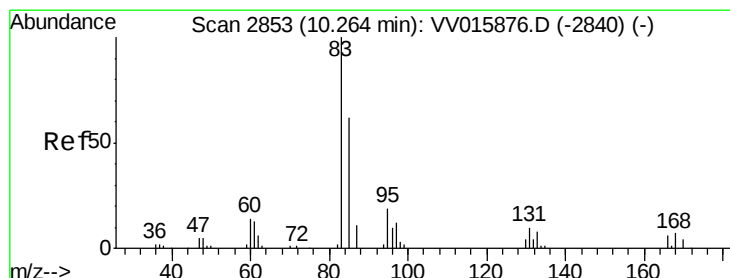
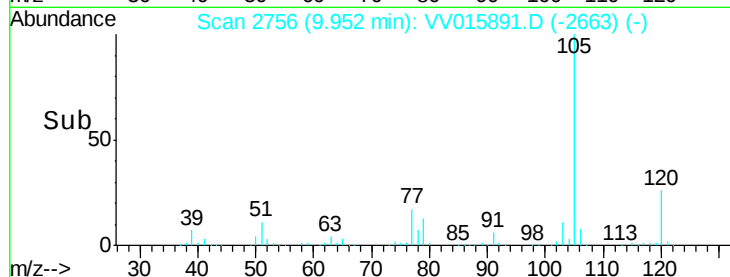
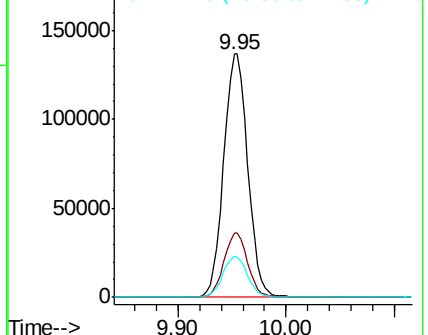
105 100

120 26.2 20.7 31.1

77 17.3 13.9 20.9



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: 5.290 ug/L

RT: 10.27 min Scan# 2854

Delta R.T. 0.00 min

Lab File: VV015891.D

Acq: 04 May 2020 17:39

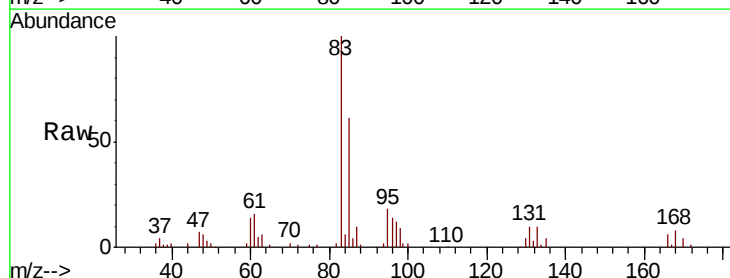
Tgt Ion: 83 Resp: 36594

Ion Ratio Lower Upper

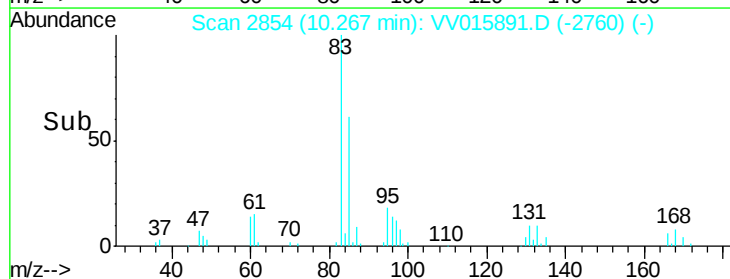
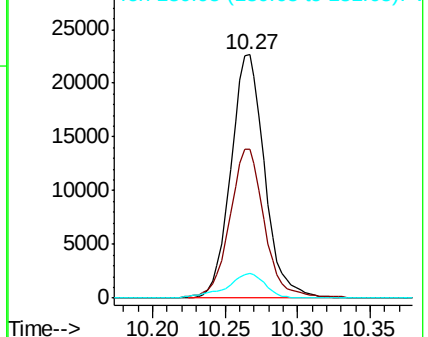
83 100

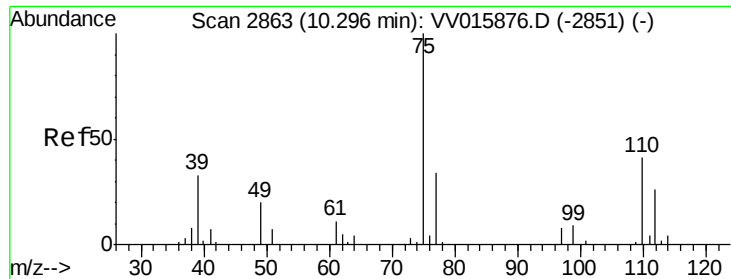
85 61.3 46.3 85.9

131 10.1 7.7 11.5



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: 5.163 ug/L

RT: 10.30 min Scan# 2864

Delta R.T. 0.00 min

Lab File: VV015891.D

Acq: 04 May 2020 17:39

Instrument :

MSVOA_V

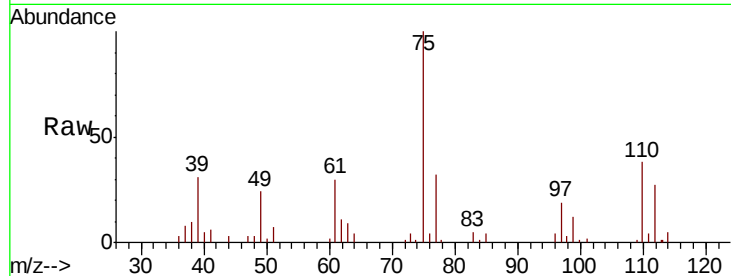
ClientSampleId :

Tot Ion: 75 Resp: 28652

Ion Ratio Lower Upper

75 100

77 32.4 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV015891.D (-2770) (-)

Ion 77.00 (76.70 to 77.70): VV015891.D (-2770) (-)

10.30

20000

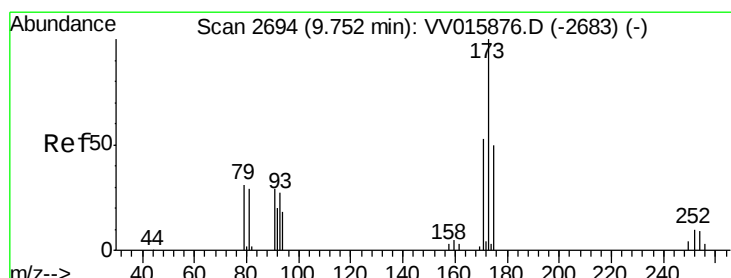
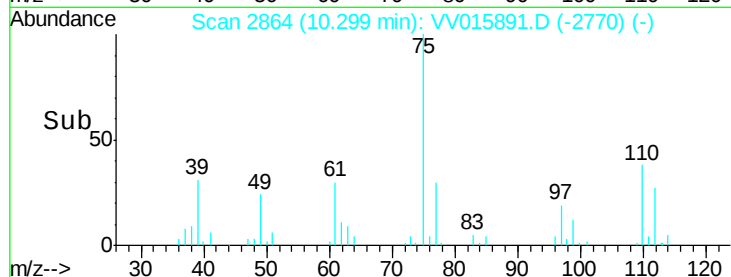
15000

10000

5000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 6.098 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV015891.D

Acq: 04 May 2020 17:39

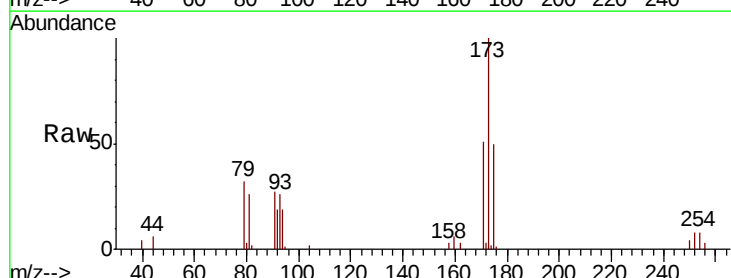
Tgt Ion: 173 Resp: 15305

Ion Ratio Lower Upper

173 100

175 50.1 39.8 59.8

254 8.4 5.8 8.8



Abundance Ion 172.90 (172.60 to 173.60): VV015891.D (-2601) (-)

Ion 174.90 (174.60 to 175.60): VV015891.D (-2601) (-)

Ion 253.75 (253.45 to 254.45): VV015891.D (-2601) (-)

9.76

12000

10000

8000

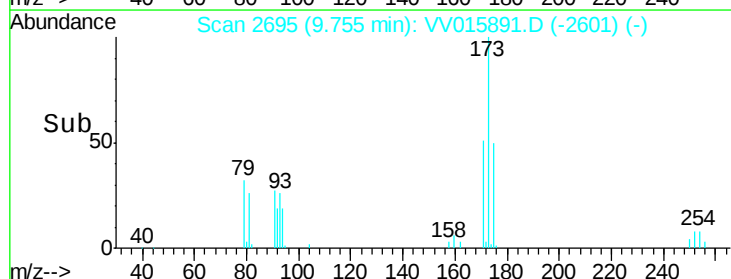
6000

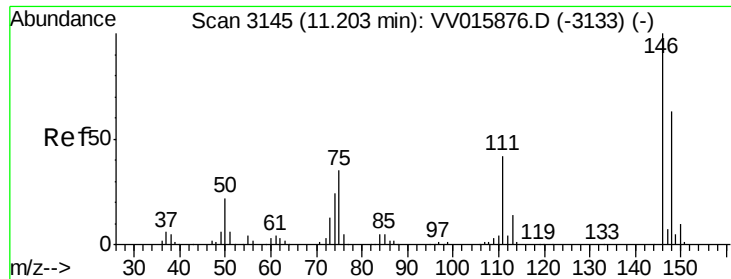
4000

2000

0

Time--> 9.70 9.75 9.80 9.85

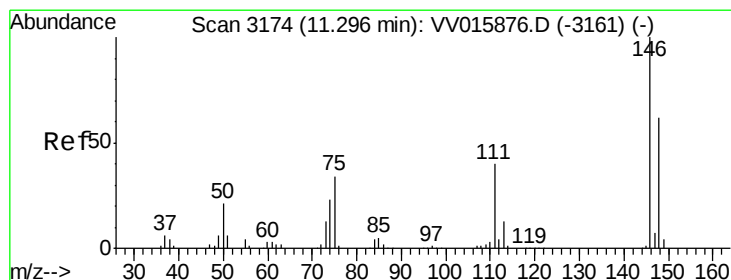
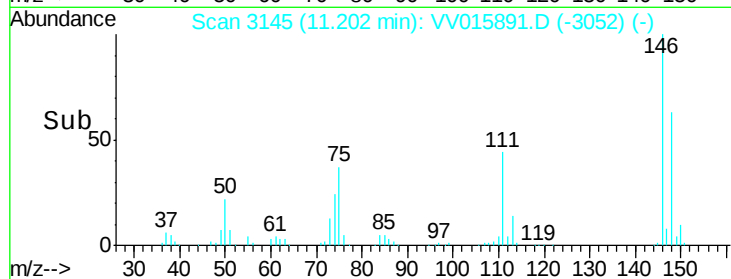
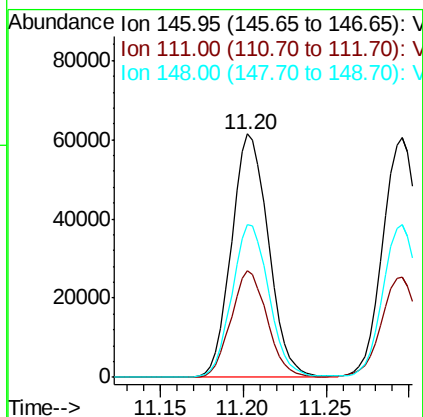
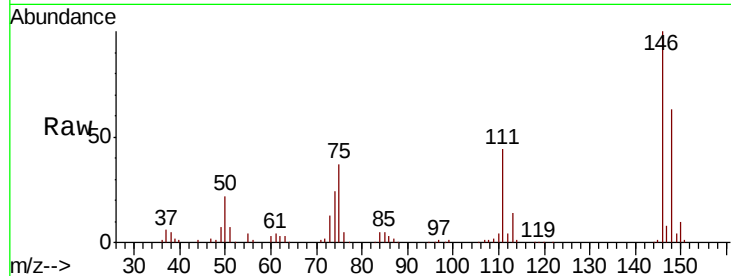




#62
 1,3-Dichlorobenzene
 Concen: 4.957 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV015891.D
 Acq: 04 May 2020 17:39

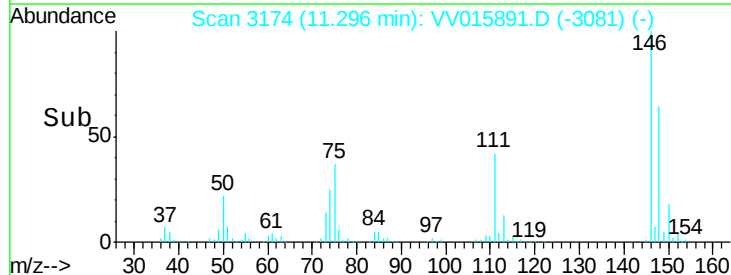
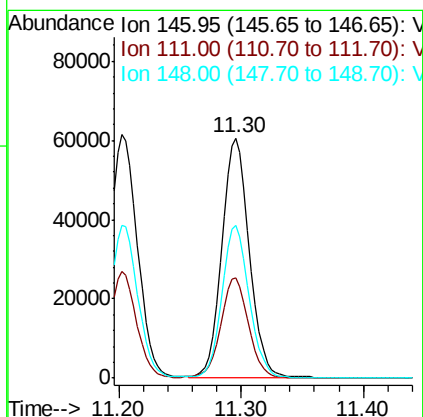
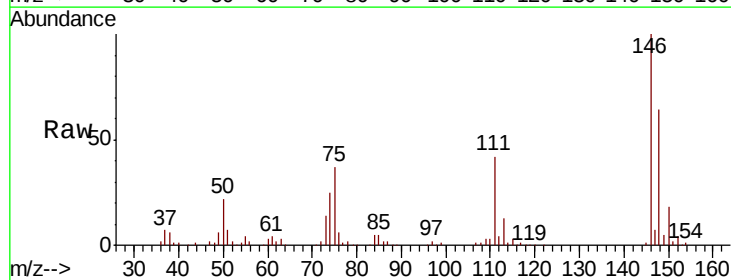
Instrument :
 MSVOA_V
 ClientSampleId :

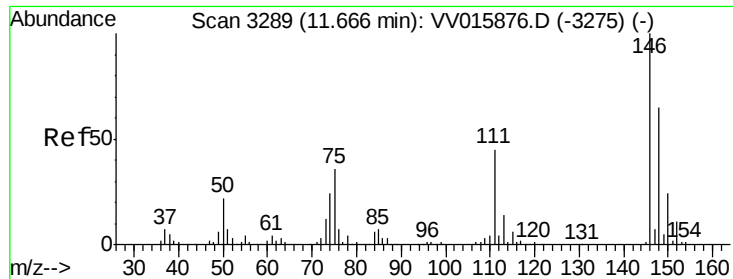
Tot Ion:146 Resp: 95388
 Ion Ratio Lower Upper
 146 100
 111 43.7 30.0 55.6
 148 62.8 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 4.921 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV015891.D
 Acq: 04 May 2020 17:39

Tgt Ion:146 Resp: 95502
 Ion Ratio Lower Upper
 146 100
 111 41.5 28.2 52.4
 148 63.6 45.7 84.9





#65

1,2-Dichlorobenzene

Concen: 5.012 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015891.D

Acq: 04 May 2020 17:39

Instrument :

MSVOA_V

ClientSampled :

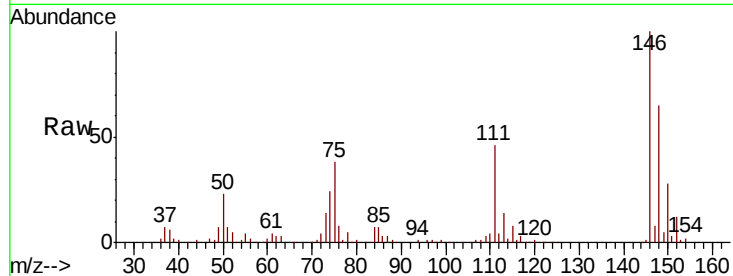
Tot Ion:146 Resp: 87232

Ion Ratio Lower Upper

146 100

111 45.8 34.7 52.1

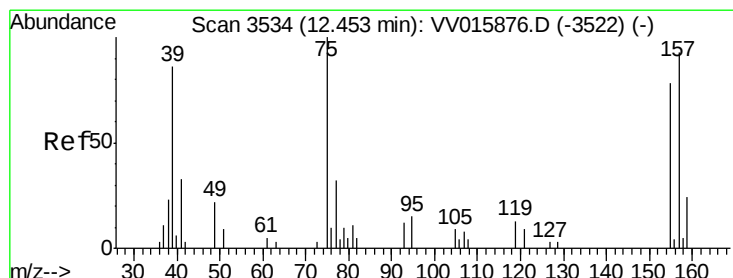
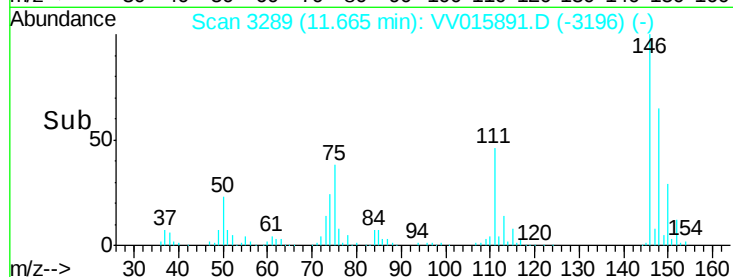
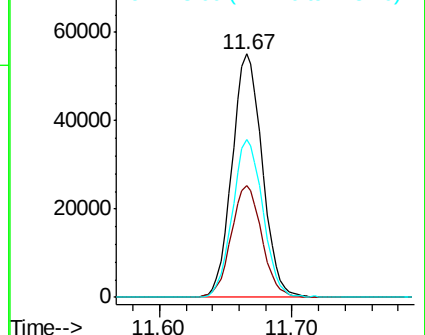
148 64.6 51.3 76.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.517 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. -0.00 min

Lab File: VV015891.D

Acq: 04 May 2020 17:39

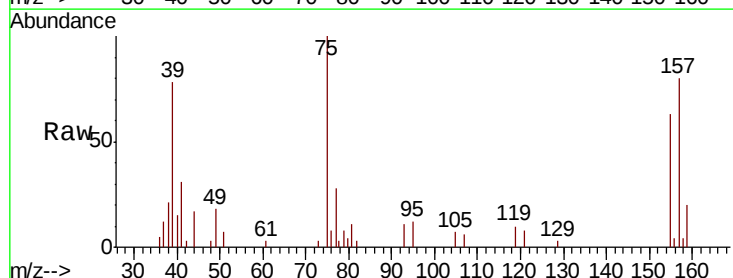
Tgt Ion: 75 Resp: 6256

Ion Ratio Lower Upper

75 100

155 62.6 51.0 76.4

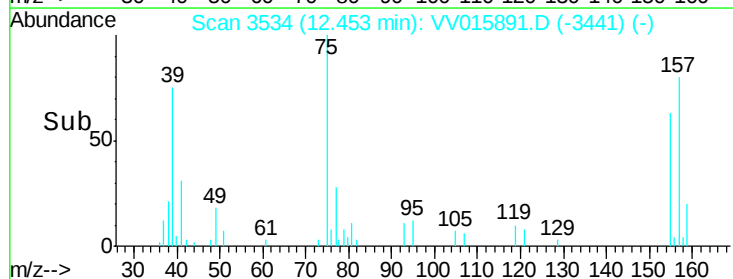
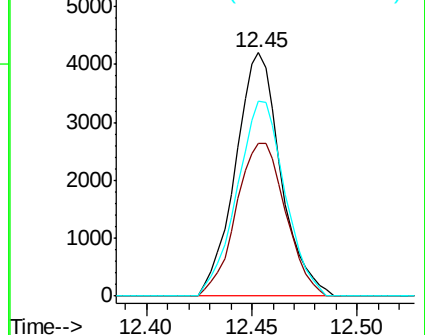
157 80.0 70.6 106.0

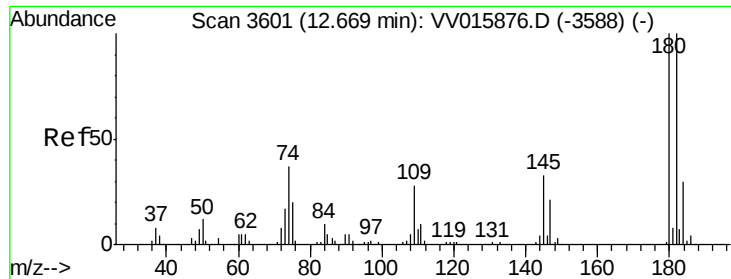


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

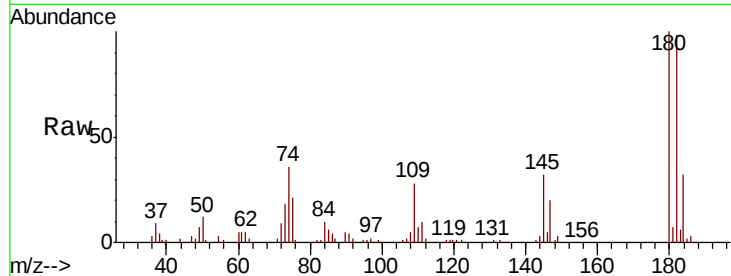




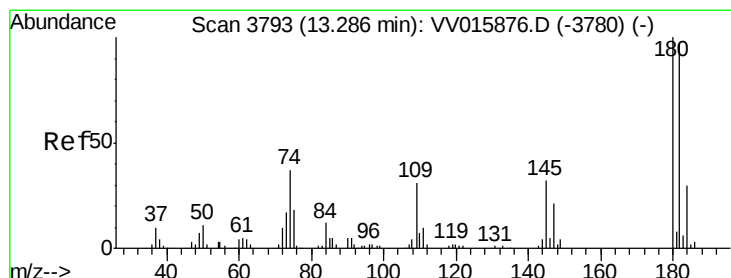
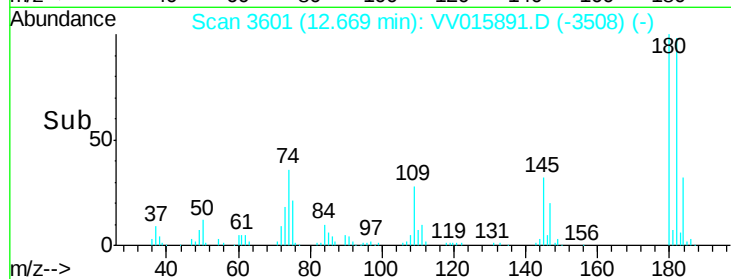
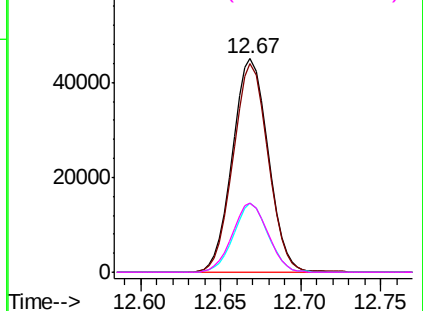
#67
 1,3,5-Trichlorobenzene
 Concen: 4.810 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015891.D
 Acq: 04 May 2020 17:39

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 68405
 Ion Ratio Lower Upper
 180 100
 182 95.6 78.2 117.4
 184 30.8 25.0 37.4
 145 32.2 26.4 39.6

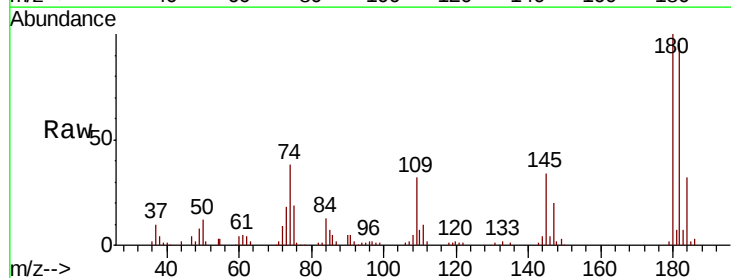


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

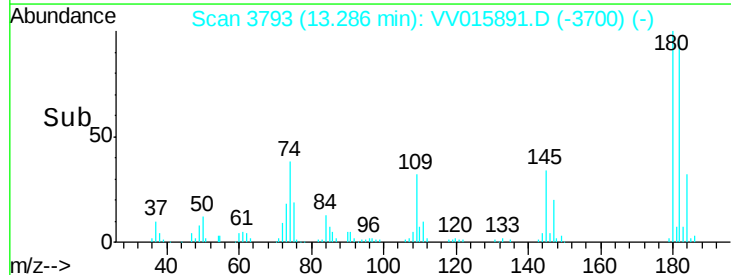
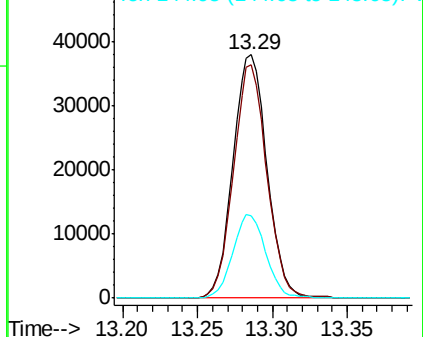


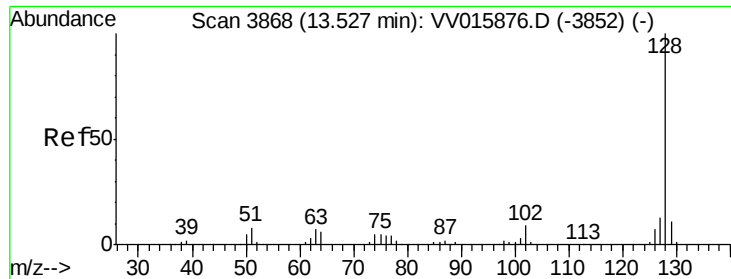
#68
 1,2,4-trichlorobenzene
 Concen: 4.583 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015891.D
 Acq: 04 May 2020 17:39

Tgt Ion:180 Resp: 59979
 Ion Ratio Lower Upper
 180 100
 182 93.7 74.8 112.2
 145 33.3 25.9 38.9



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.648 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015891.D

Acq: 04 May 2020 17:39

Instrument :

MSVOA_V

ClientSampleId :

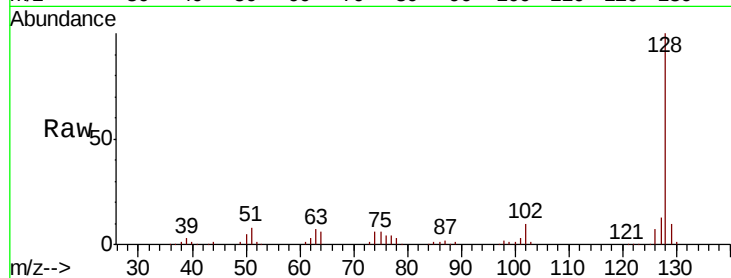
Tot Ion:128 Resp: 108875

Ion Ratio Lower Upper

128 100

129 10.6 8.4 12.6

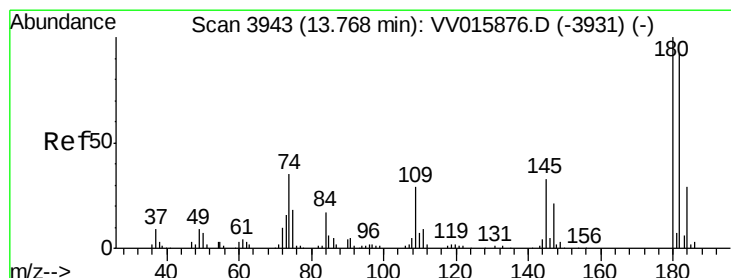
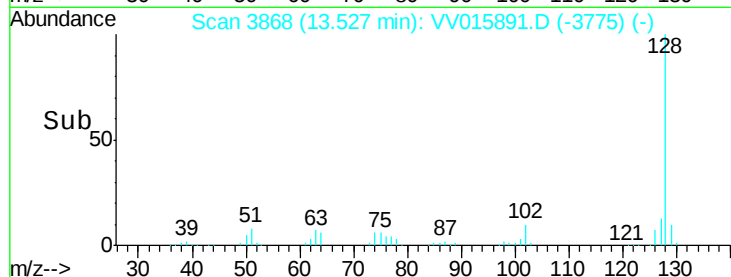
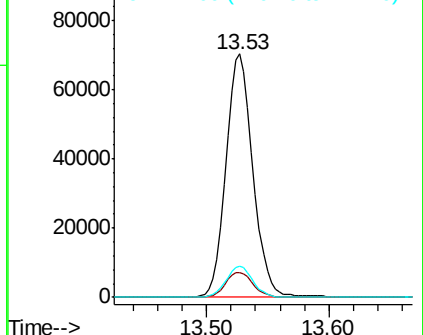
127 12.7 10.2 15.4



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: 4.743 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015891.D

Acq: 04 May 2020 17:39

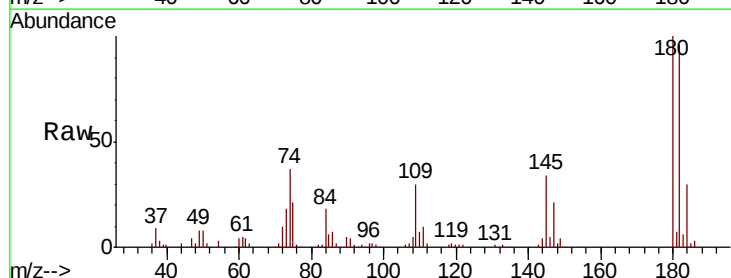
Tgt Ion:180 Resp: 54783

Ion Ratio Lower Upper

180 100

182 95.5 74.8 112.2

145 34.8 28.4 42.6



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

