

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042320\
 Data File : VV015651.D
 Acq On : 23 Apr 2020 10:11
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 24 03:23:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 23 11:42:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	130158	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	125490	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	64147	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	34229	5.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.60%
7) Chloroethane-d5	1.57	69	32223	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.12	63	75550	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.40%
20) 2-Butanone-d5	3.94	46	112298	51.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.84%
24) Chloroform-d	4.37	84	80818	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
26) 1,2-Dichloroethane-d4	5.05	65	45162	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.07	84	147994	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.09	67	46769	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	7.33	98	142644	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
43) trans-1,3-Dichloropropene-	7.64	79	17771	4.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.00%
46) 2-Hexanone-d5	8.11	63	90291	50.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.06%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	34655	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	52616	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	58234	5.224	ug/L 98
3) Chloromethane	1.24	50	47137	4.887	ug/L 100
5) Vinyl chloride	1.32	62	51239	4.974	ug/L 100
6) Bromomethane	1.53	94	17852	4.036	ug/L 96
8) Chloroethane	1.59	64	32836	4.854	ug/L 98
9) Trichlorofluoromethane	1.76	101	74523	5.155	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	42328	5.176	ug/L 97
12) 1,1-Dichloroethene	2.13	96	38929	5.139	ug/L 97
13) Acetone	2.23	43	80513	53.089	ug/L 100
14) Carbon disulfide	2.30	76	107500	5.020	ug/L 100
15) Methyl Acetate	2.46	43	18148	5.032	ug/L 96
16) Methylene chloride	2.52	84	43521	4.653	ug/L 97
17) Methyl tert-butyl Ether	2.79	73	107658	5.063	ug/L 99
18) trans-1,2-Dichloroethene	2.77	96	43292	5.104	ug/L 99
19) 1,1-Dichloroethane	3.21	63	86100	5.170	ug/L 98
21) 2-Butanone	4.02	43	120620	51.563	ug/L 96
22) cis-1,2-Dichloroethene	3.93	96	46683	4.978	ug/L 97

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Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 24 03:23:37 2020
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 23 11:42:16 2020
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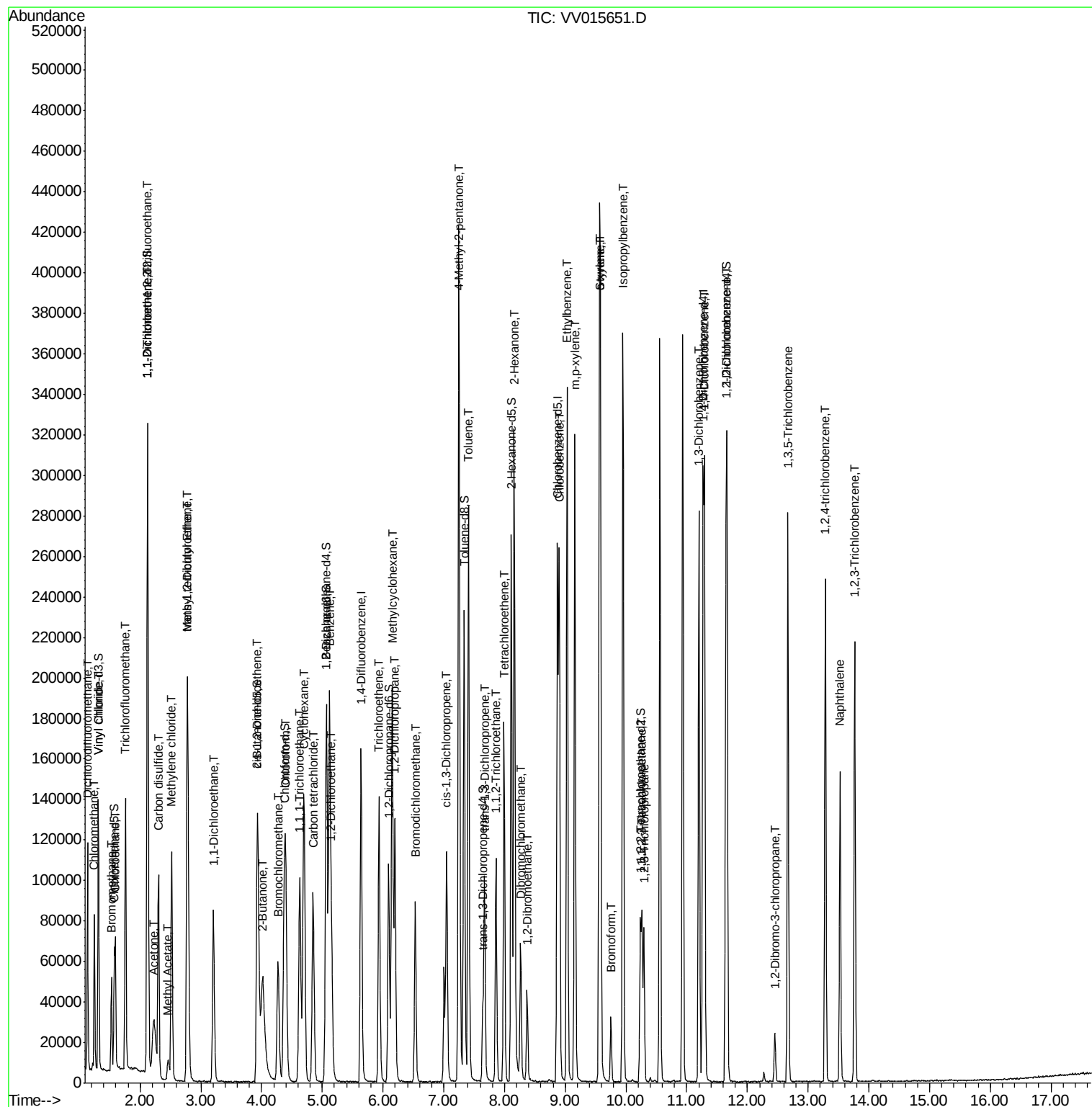
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	19764	5.159	ug/L	98
25) Chloroform	4.40	83	89872	5.083	ug/L	98
27) 1,2-Dichloroethane	5.15	62	57245	4.928	ug/L	98
29) 1,1,1-Trichloroethane	4.63	97	80615	5.066	ug/L	99
30) Cyclohexane	4.70	56	75565	4.970	ug/L	99
31) Carbon tetrachloride	4.85	117	67093	5.091	ug/L	99
33) Benzene	5.12	78	178988	4.992	ug/L	100
34) Trichloroethene	5.93	95	48058	4.854	ug/L	97
35) Methylcyclohexane	6.15	83	75898	4.994	ug/L	99
37) 1,2-Dichloropropane	6.20	63	46671	5.121	ug/L	99
38) Bromodichloromethane	6.53	83	57568	4.975	ug/L	98
39) cis-1,3-Dichloropropene	7.04	75	62453	4.916	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	294306	49.759	ug/L	100
42) Toluene	7.41	91	194821	5.086	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	51998	4.871	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	31005	4.992	ug/L	99
47) Tetrachloroethene	7.99	164	35795	5.021	ug/L	95
48) 2-Hexanone	8.16	43	214717	50.907	ug/L	99
49) Dibromochloromethane	8.27	129	31804	4.947	ug/L	96
50) 1,2-Dibromoethane	8.37	107	28606	4.980	ug/L	99
51) Chlorobenzene	8.90	112	125122	4.986	ug/L	99
52) Ethylbenzene	9.03	91	223267	5.036	ug/L	99
53) m,p-xylene	9.16	106	83701	5.154	ug/L	99
54) o-xylene	9.56	106	78558	5.000	ug/L	100
55) Styrene	9.58	104	136071	5.103	ug/L	100
56) Isopropylbenzene	9.95	105	221743	5.030	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	36360	5.013	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	28649	4.924	ug/L	98
61) Bromoform	9.75	173	13042	4.925	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	100777	4.964	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	101915	4.978	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	90619	4.935	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	5860	4.899	ug/L	94
67) 1,3,5-Trichlorobenzene	12.67	180	74463	4.963	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	66397	4.809	ug/L	100
69) Naphthalene	13.53	128	109634	4.436	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	58031	4.762	ug/L	99

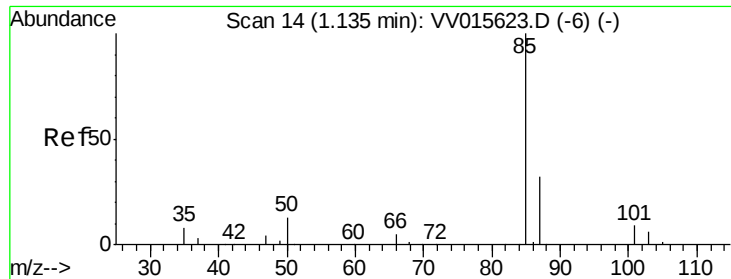
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.224 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015651.D

Acq: 23 Apr 2020 10:11

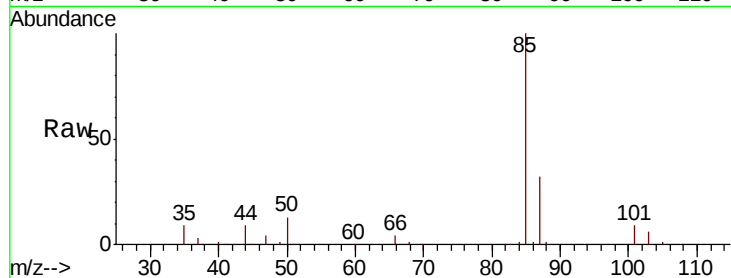
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 58234

Ion Ratio Lower Upper

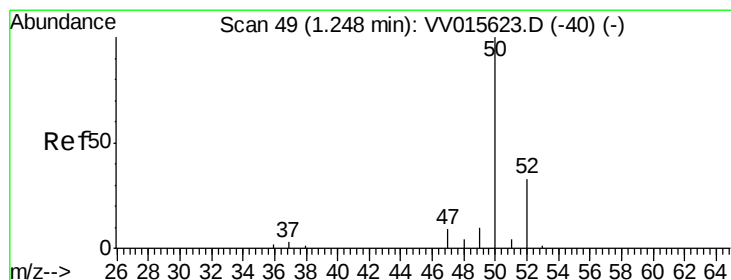
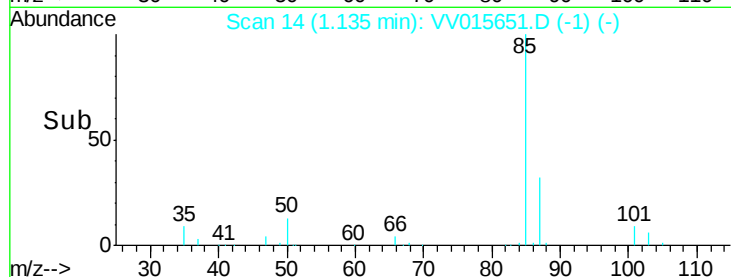
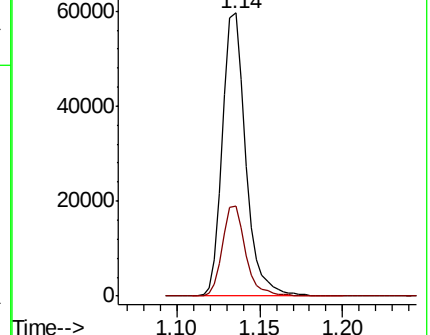
85 100

87 31.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV015623.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV015623.D (-6) (-)



#3

Chloromethane

Concen: 4.887 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV015651.D

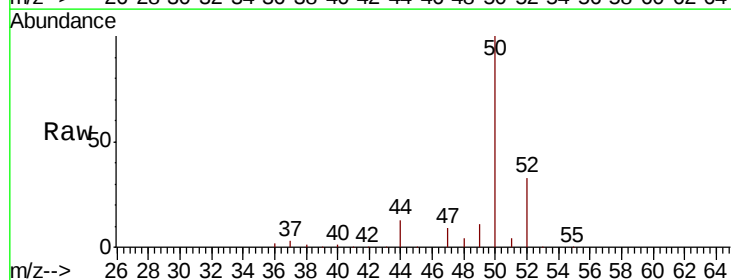
Acq: 23 Apr 2020 10:11

Tgt Ion: 50 Resp: 47137

Ion Ratio Lower Upper

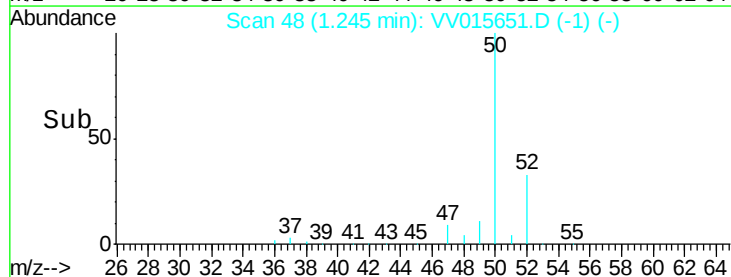
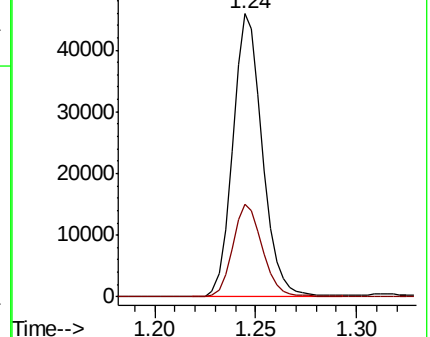
50 100

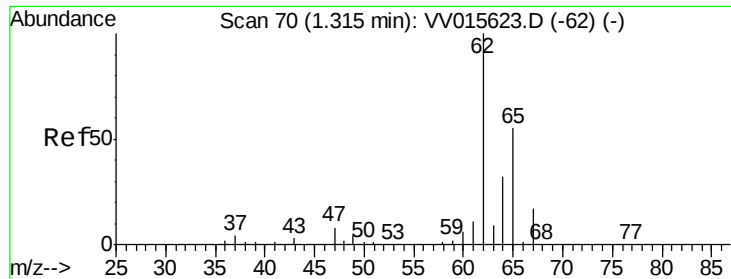
52 32.5 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV015623.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV015623.D (-40) (-)





#5

Vinyl chloride

Concen: 4.974 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015651.D

Acq: 23 Apr 2020 10:11

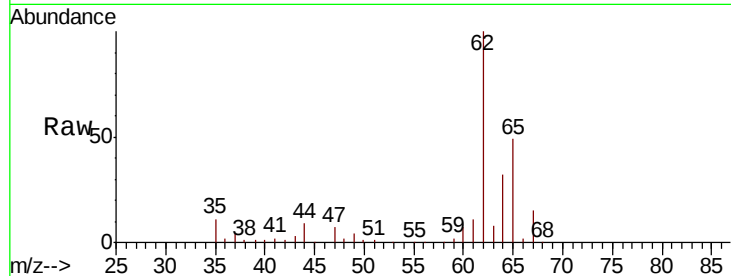
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 51239

Ion Ratio Lower Upper

62 100

64 32.4 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

50000

40000

30000

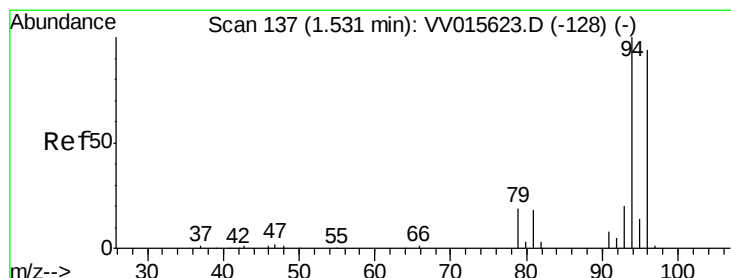
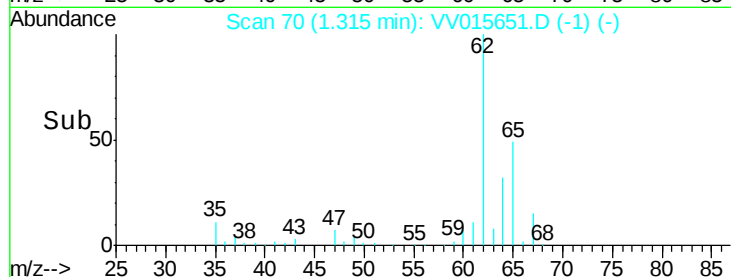
20000

10000

0

1.25 1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 4.036 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV015651.D

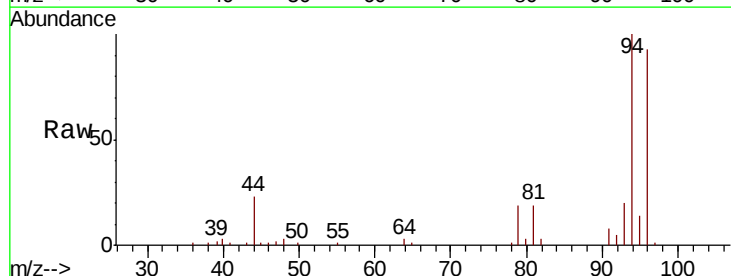
Acq: 23 Apr 2020 10:11

Tgt Ion: 94 Resp: 17852

Ion Ratio Lower Upper

94 100

96 92.6 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

15000

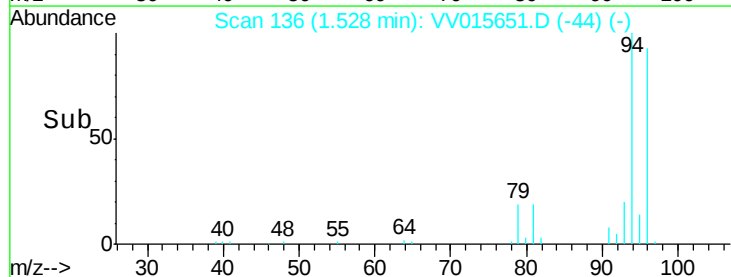
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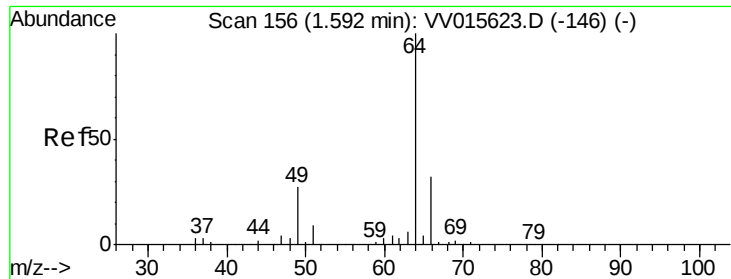
5000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 4.854 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV015651.D

Acq: 23 Apr 2020 10:11

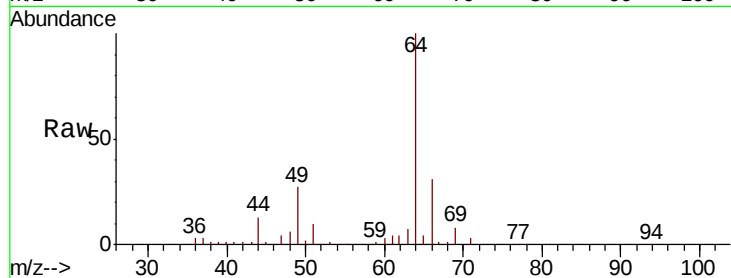
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 32836

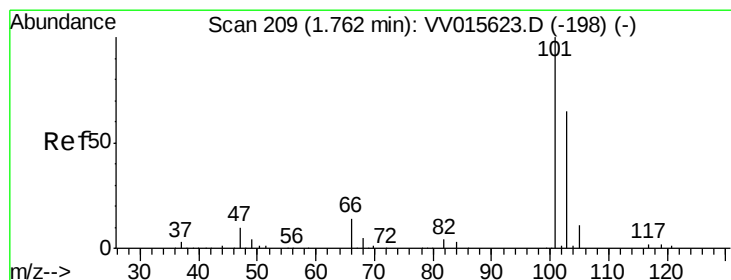
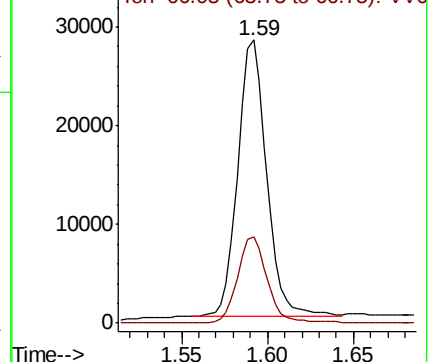
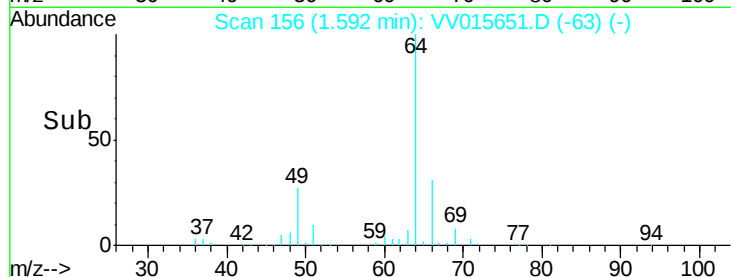
Ion Ratio Lower Upper

64 100

66 30.7 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV015651.D (-63) (-)



#9

Trichlorofluoromethane

Concen: 5.155 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV015651.D

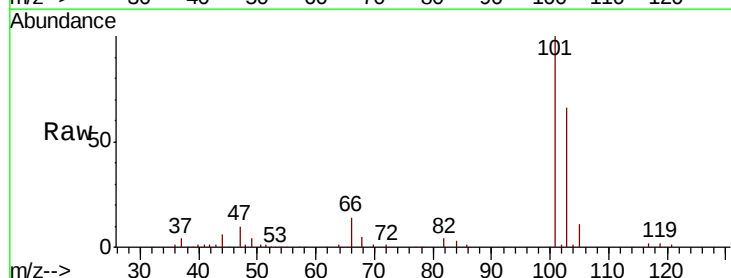
Acq: 23 Apr 2020 10:11

Tgt Ion:101 Resp: 74523

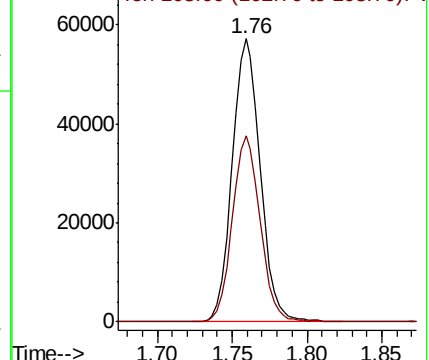
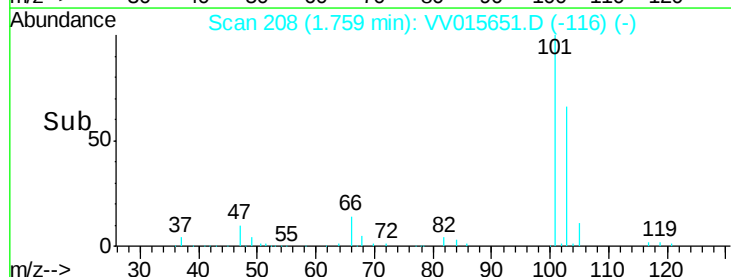
Ion Ratio Lower Upper

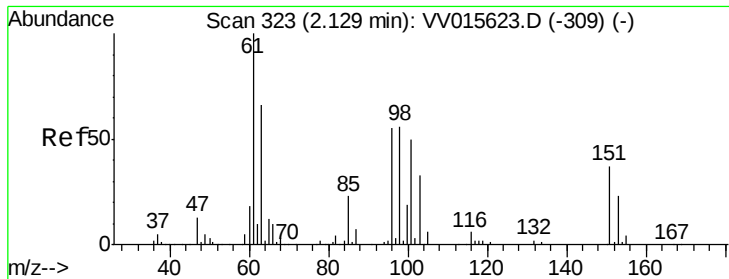
101 100

103 65.4 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV015651.D (-116) (-)





#10

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

Concen: 5.176 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015651.D

Acq: 23 Apr 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

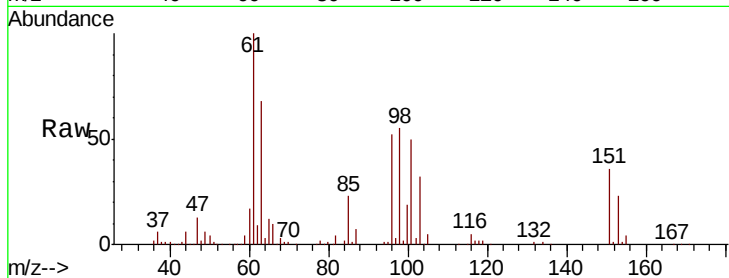
Tot Ion:101 Resp: 42328

Ion Ratio Lower Upper

101 100

85 46.3 36.1 54.1

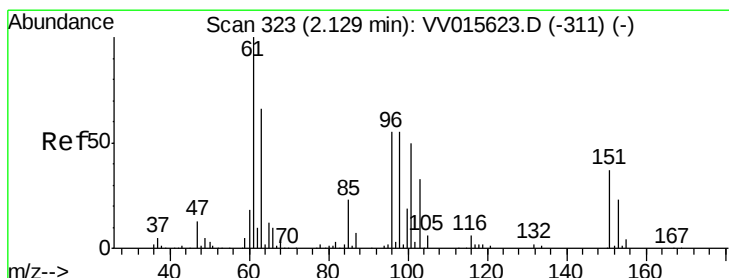
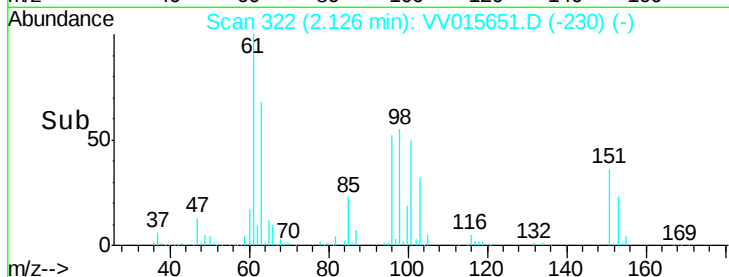
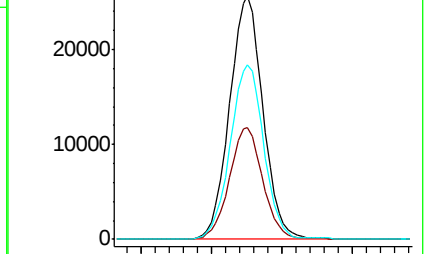
151 72.3 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): VV015623.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV015623.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV015623.D (-309) (-)



#12

1,1-Dichloroethene

Concen: 5.139 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015651.D

Acq: 23 Apr 2020 10:11

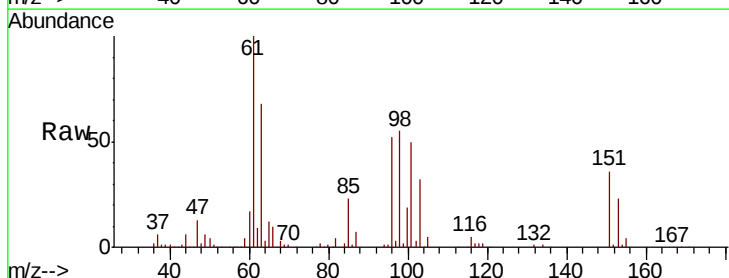
Tgt Ion: 96 Resp: 38929

Ion Ratio Lower Upper

96 100

61 192.8 130.1 241.7

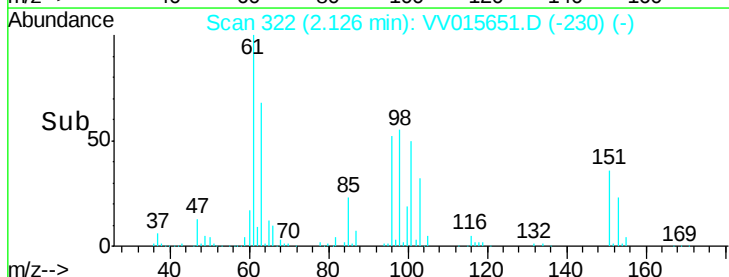
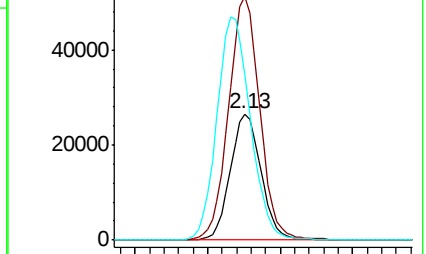
63 131.1 91.4 169.8

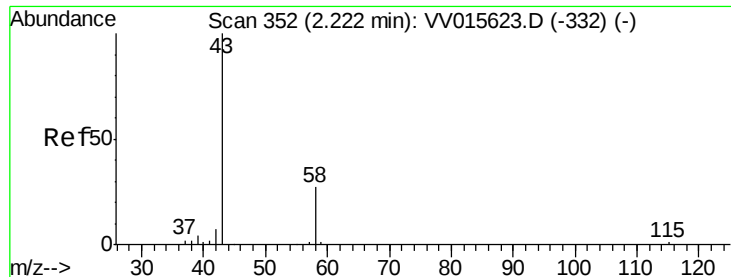


Abundance Ion 96.00 (95.70 to 96.70): VV015623.D (-311) (-)

Ion 61.05 (60.75 to 61.75): VV015623.D (-311) (-)

Ion 63.00 (62.70 to 63.70): VV015623.D (-311) (-)





#13

Acetone

Concen: 53.089 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.00 min

Lab File: VV015651.D

Acq: 23 Apr 2020 10:11

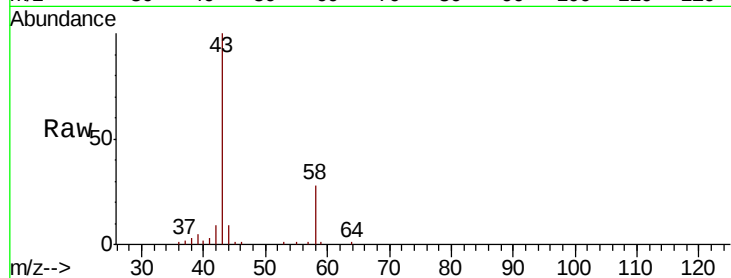
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 80513

Ion Ratio Lower Upper

43 100

58 28.9 0.0 57.6



Abundance Ion 43.05 (42.75 to 43.75): VV015623.D (-332) (-)

Ion 58.05 (57.75 to 58.75): VV015623.D (-332) (-)

2.23

20000

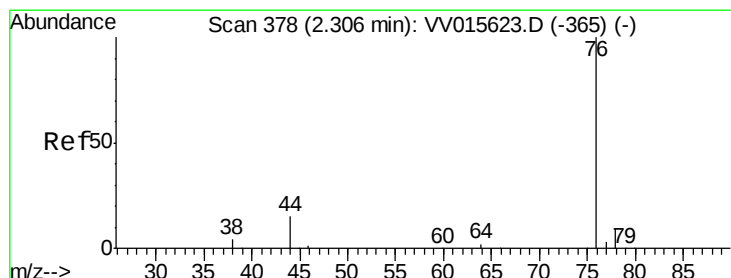
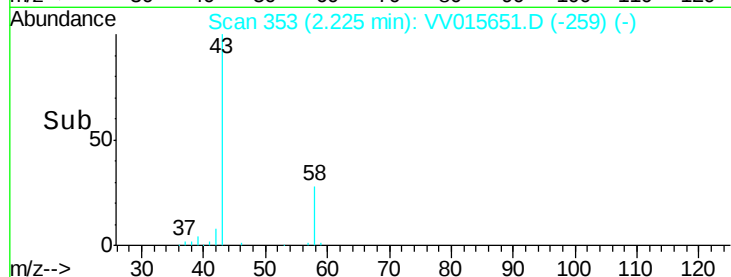
15000

10000

5000

0

Time-->



#14

Carbon disulfide

Concen: 5.020 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV015651.D

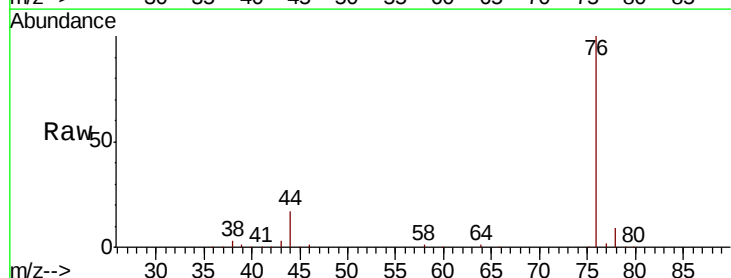
Acq: 23 Apr 2020 10:11

Tgt Ion: 76 Resp: 107500

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV015623.D (-365) (-)

Ion 78.00 (77.70 to 78.70): VV015623.D (-365) (-)

2.30

80000

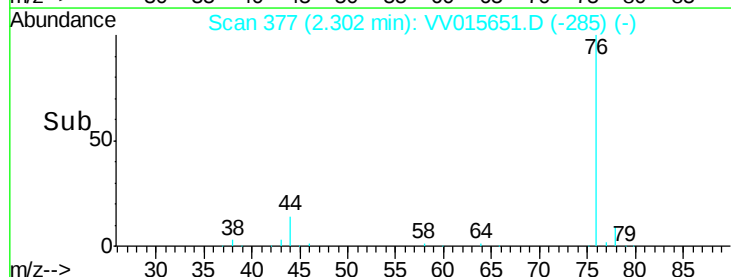
60000

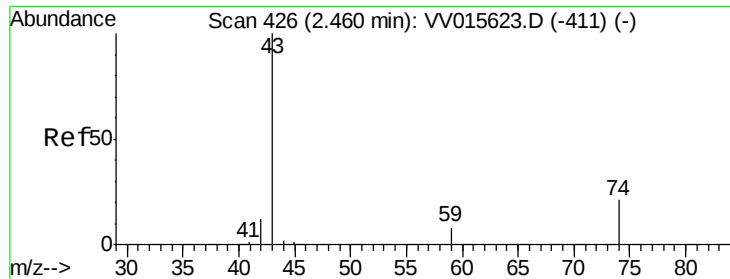
40000

20000

0

Time-->

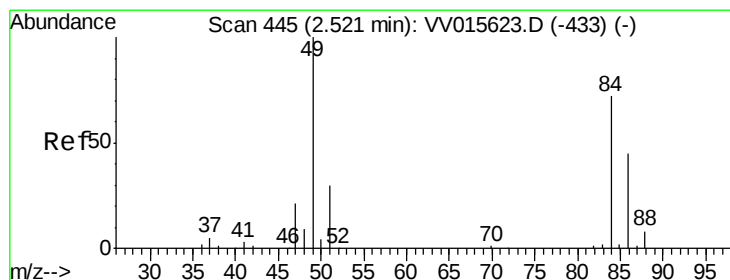
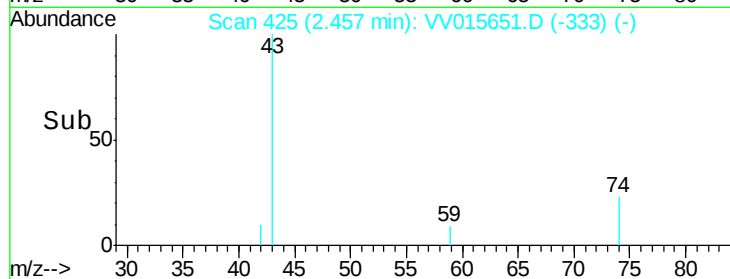
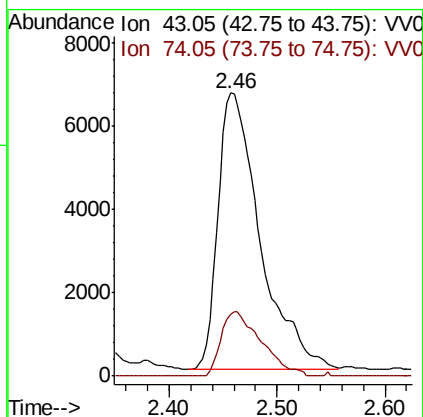
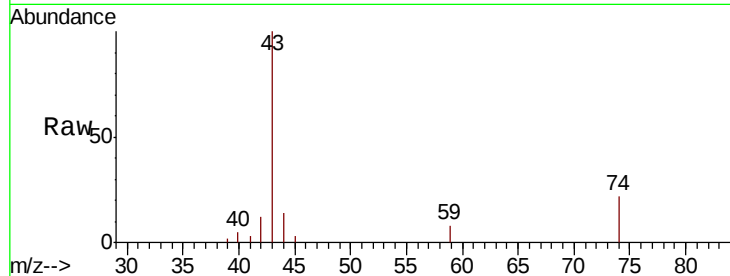




#15
Methyl Acetate
Concen: 5.032 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV015651.D
Acq: 23 Apr 2020 10:11

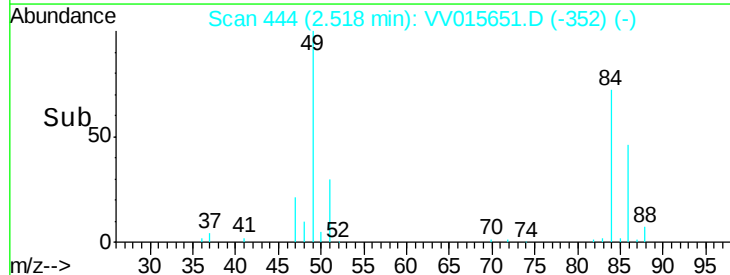
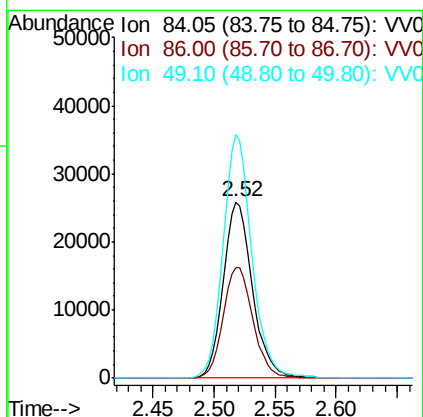
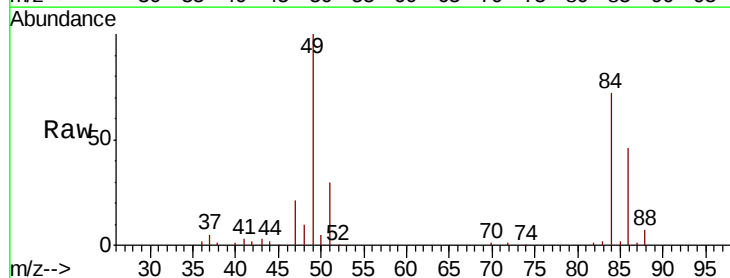
Instrument :
MSVOA_V
ClientSampleId :

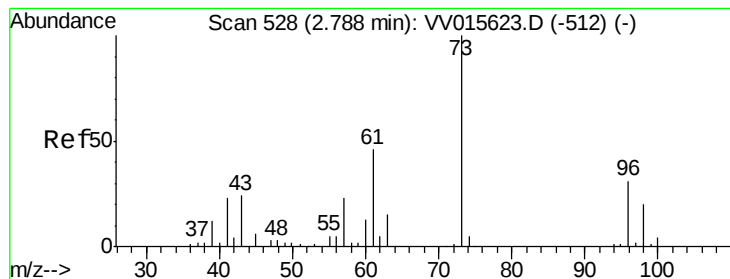
Tot Ion: 43 Resp: 18148
Ion Ratio Lower Upper
43 100
74 22.2 16.3 24.5



#16
Methylene chloride
Concen: 4.653 ug/L
RT: 2.52 min Scan# 444
Delta R.T. -0.00 min
Lab File: VV015651.D
Acq: 23 Apr 2020 10:11

Tgt Ion: 84 Resp: 43521
Ion Ratio Lower Upper
84 100
86 63.2 45.1 83.7
49 138.5 94.4 175.4



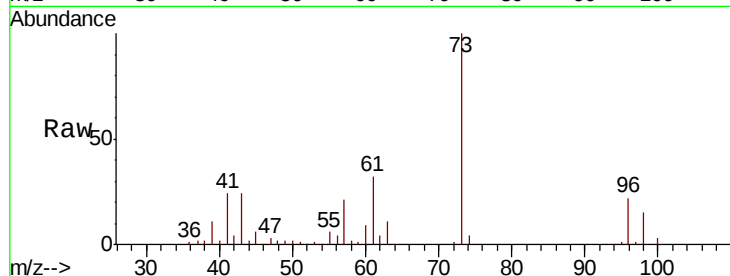


#17

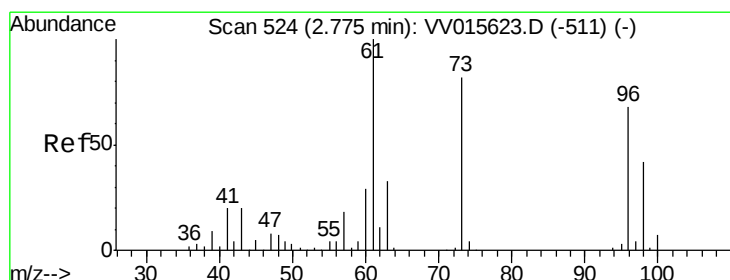
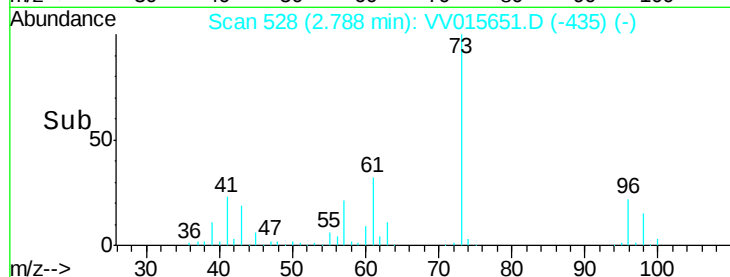
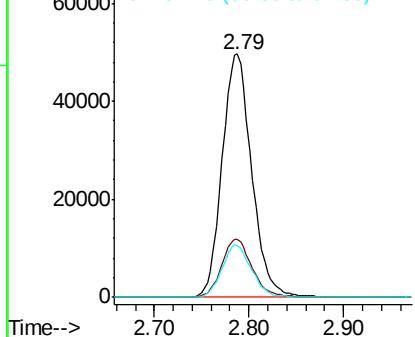
Methvl tert-butvl Ether
 Concen: 5.063 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VV015651.D
 Acq: 23 Apr 2020 10:11

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 73 Resp: 107658
 Ion Ratio Lower Upper
 73 100
 43 24.7 20.1 30.1
 57 21.6 17.8 26.8



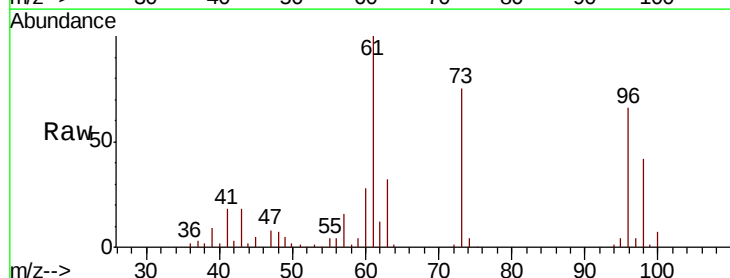
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



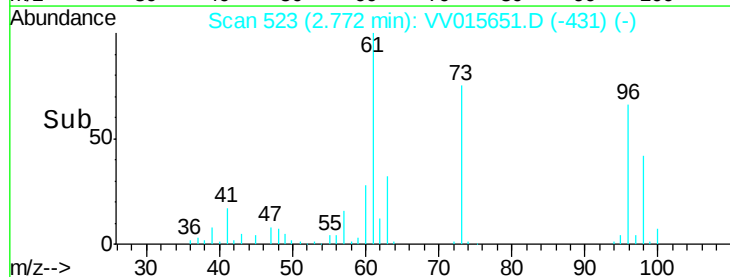
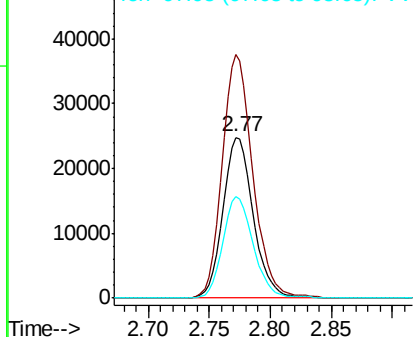
#18

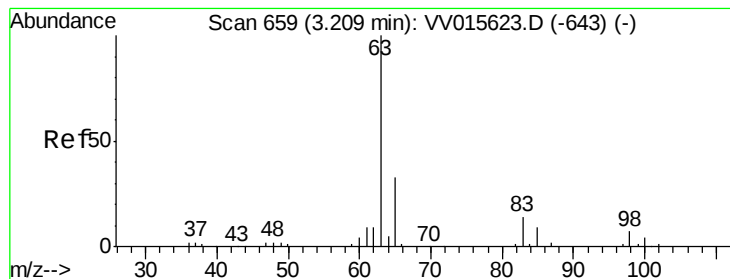
trans-1,2-Dichloroethene
 Concen: 5.104 ug/L
 RT: 2.77 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VV015651.D
 Acq: 23 Apr 2020 10:11

Tgt Ion: 96 Resp: 43292
 Ion Ratio Lower Upper
 96 100
 61 151.6 105.5 195.9
 98 63.1 44.2 82.0



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: 5.170 ug/L

RT: 3.21 min Scan# 658

Delta R.T. -0.00 min

Lab File: VV015651.D

Acq: 23 Apr 2020 10:11

Instrument :
MSVOA_V
ClientSampleId :

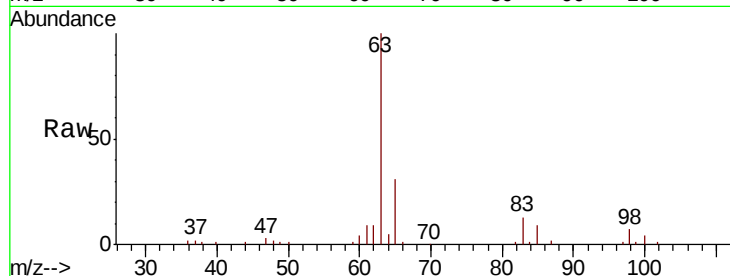
Tot Ion: 63 Resp: 86100

Ion	Ratio	Lower	Upper
63	100		
65	31.0	22.3	41.3
83	12.6	9.3	17.3

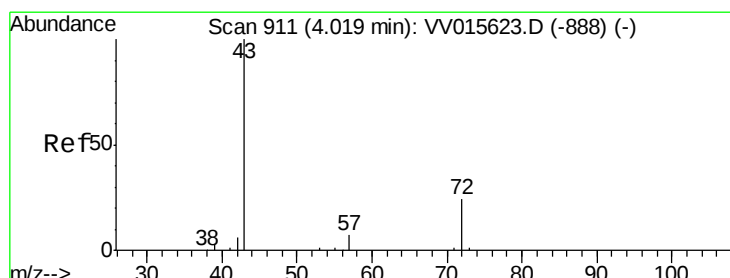
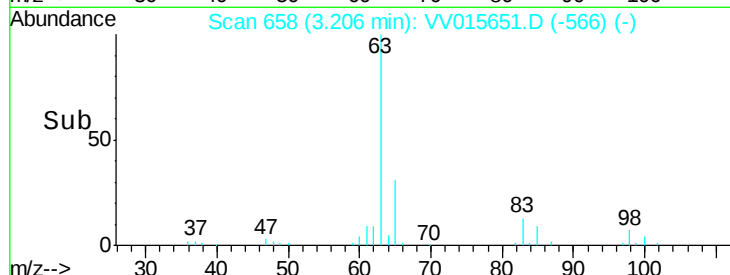
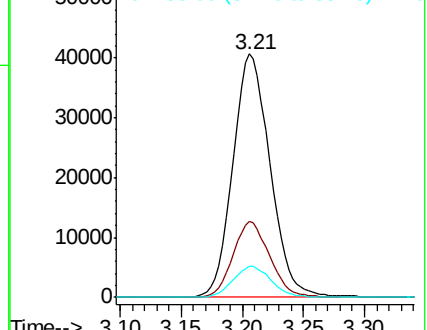
63 100

65 31.0 22.3 41.3

83 12.6 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 51.563 ug/L

RT: 4.02 min Scan# 911

Delta R.T. -0.00 min

Lab File: VV015651.D

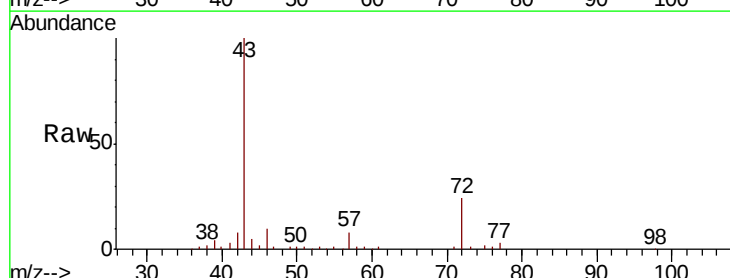
Acq: 23 Apr 2020 10:11

Tgt Ion: 43 Resp: 120620

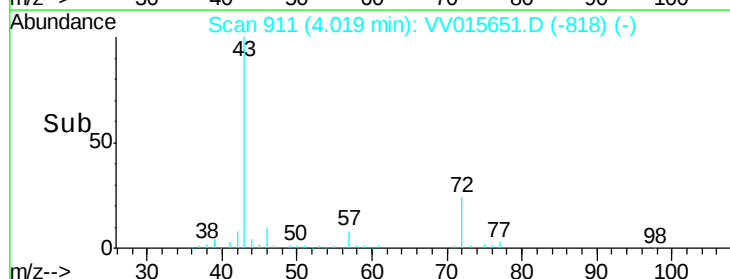
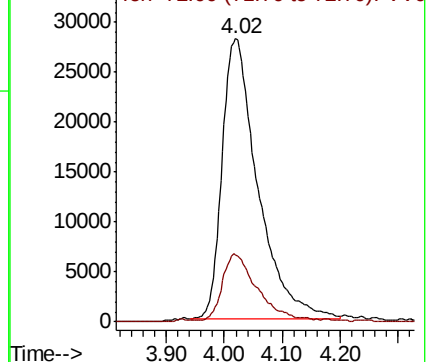
Ion	Ratio	Lower	Upper
43	100		
72	22.6	12.3	36.9

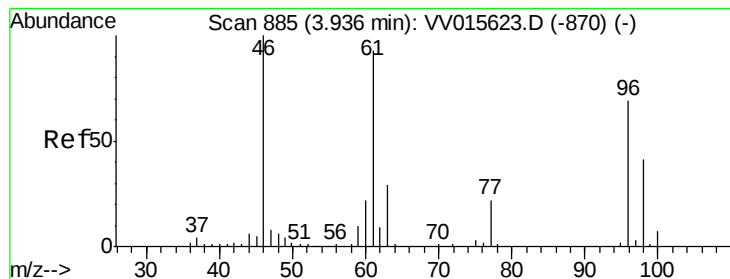
43 100

72 22.6 12.3 36.9



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



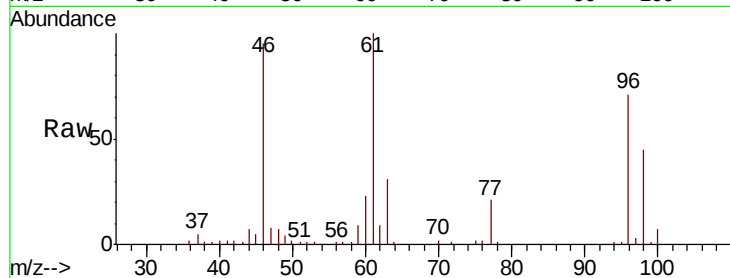


#22

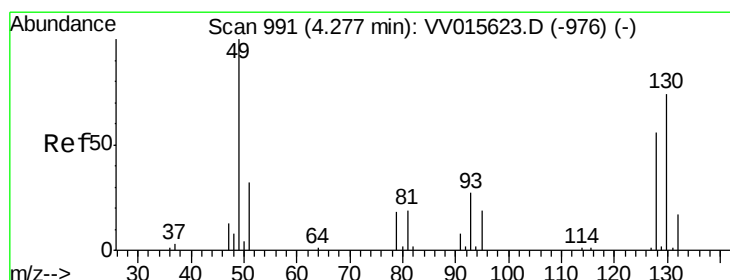
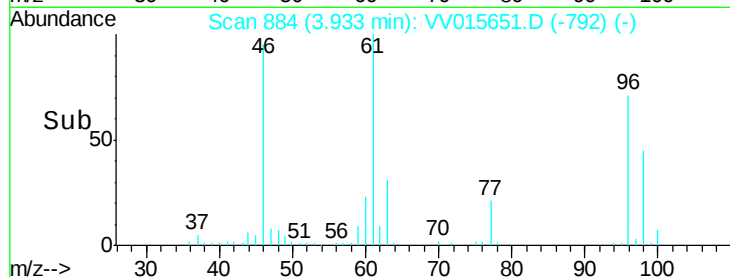
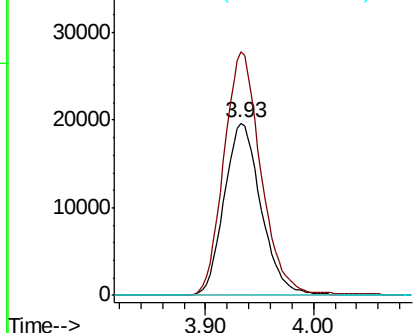
cis-1,2-Dichloroethene
Concen: 4.978 ug/L
RT: 3.93 min Scan# 884
Delta R.T. -0.00 min
Lab File: VV015651.D
Acq: 23 Apr 2020 10:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 46683
Ion Ratio Lower Upper
96 100
61 141.6 96.4 179.0
68 0.0 0.0 0.0



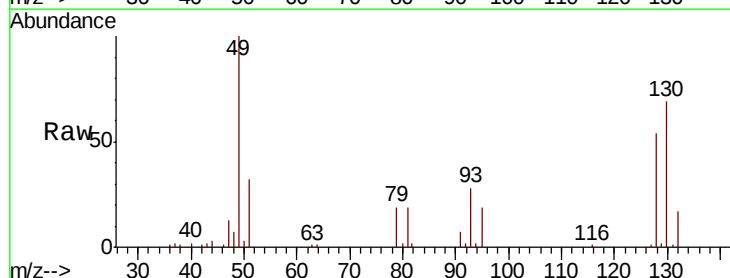
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



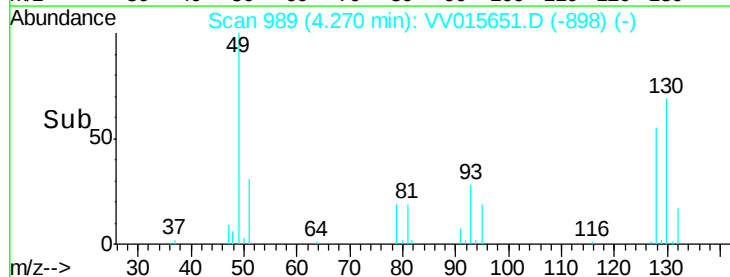
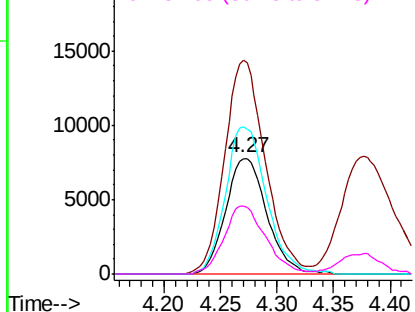
#23

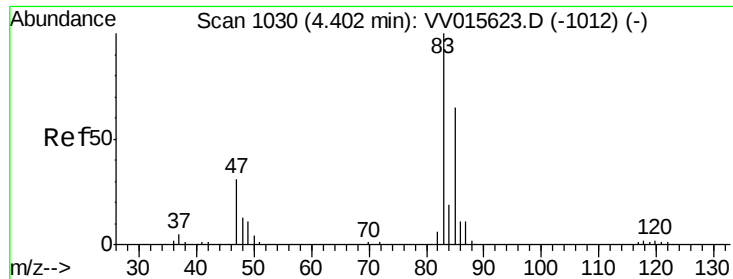
Bromochloromethane
Concen: 5.159 ug/L
RT: 4.27 min Scan# 989
Delta R.T. -0.01 min
Lab File: VV015651.D
Acq: 23 Apr 2020 10:11

Tgt Ion: 128 Resp: 19764
Ion Ratio Lower Upper
128 100
49 184.7 130.8 242.8
130 126.8 91.1 169.3
51 58.5 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

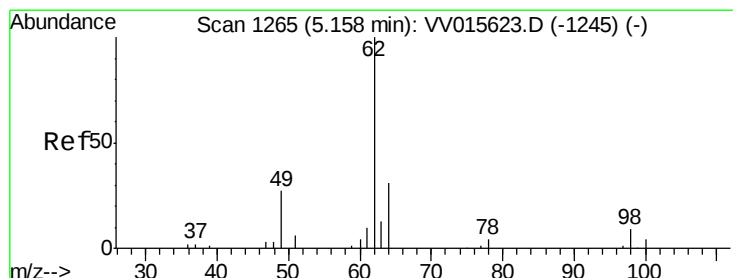
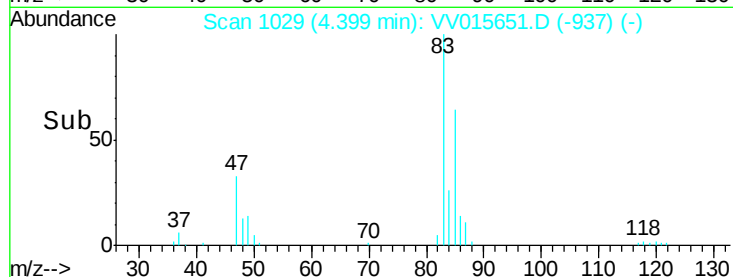
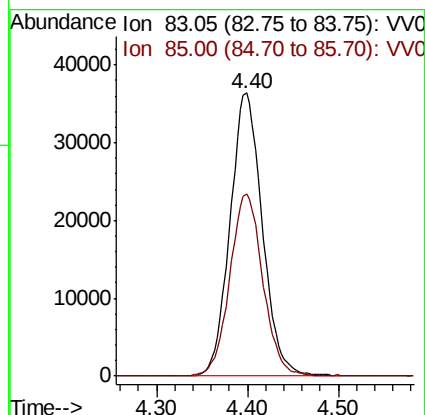
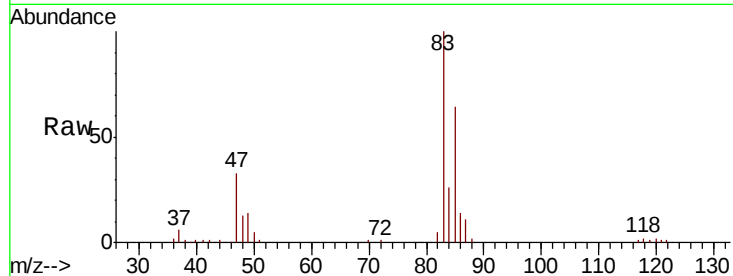




#25
Chloroform
Concen: 5.083 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV015651.D
Acq: 23 Apr 2020 10:11

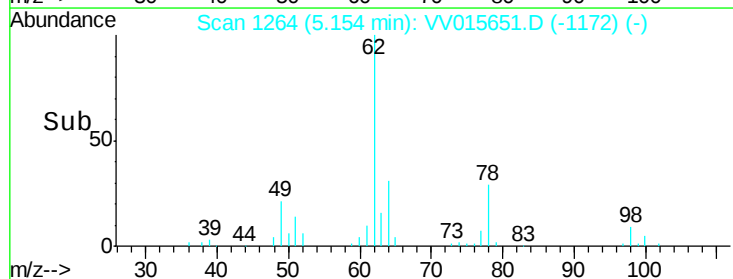
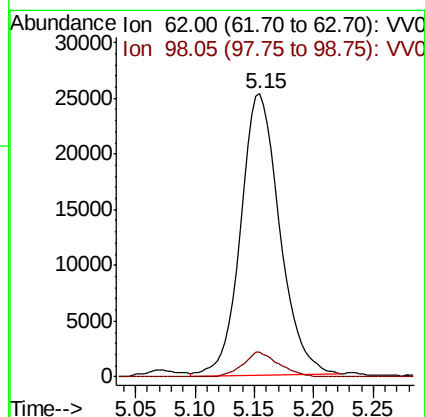
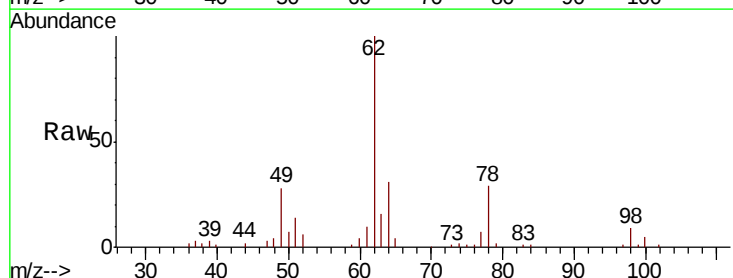
Instrument :
MSVOA_V
ClientSampleId :

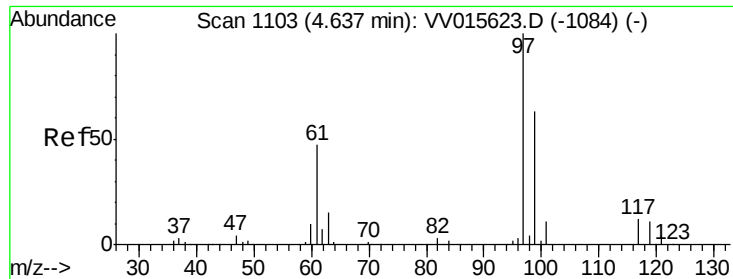
Tot Ion: 83 Resp: 89872
Ion Ratio Lower Upper
83 100
85 64.3 46.1 85.5



#27
1,2-Dichloroethane
Concen: 4.928 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV015651.D
Acq: 23 Apr 2020 10:11

Tgt Ion: 62 Resp: 57245
Ion Ratio Lower Upper
62 100
98 8.6 6.3 9.5

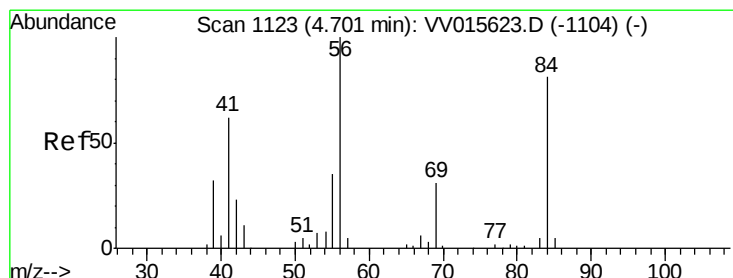
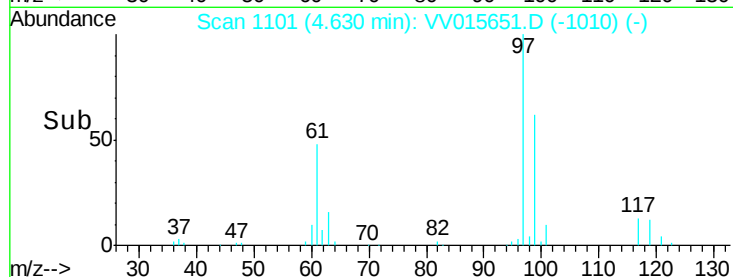
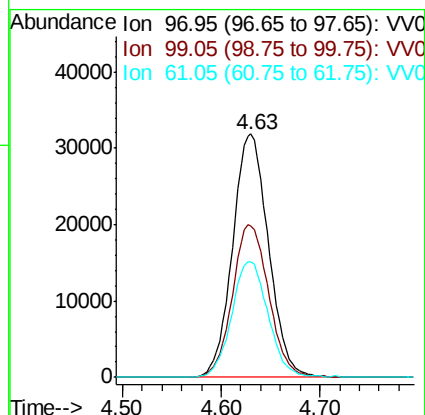
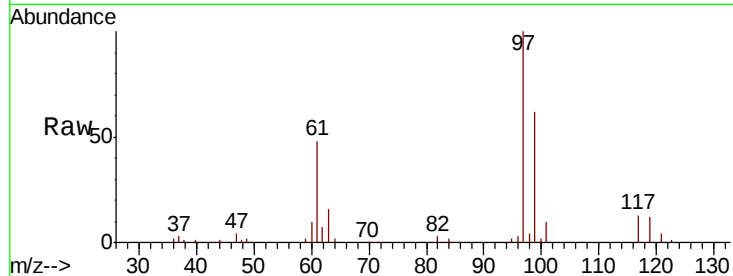




#29
 1,1,1-Trichloroethane
 Concen: 5.066 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. -0.01 min
 Lab File: VV015651.D
 Acq: 23 Apr 2020 10:11

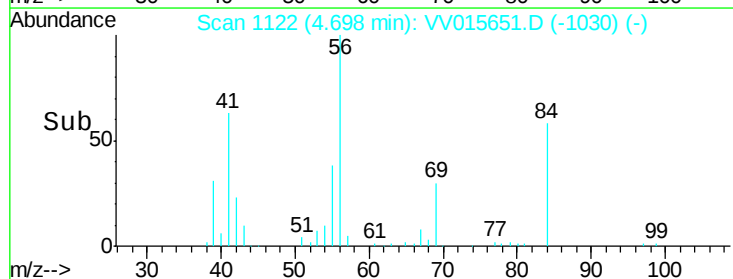
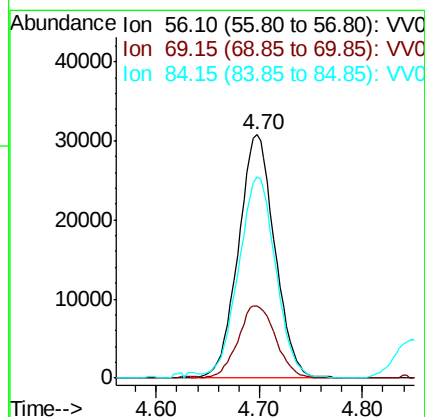
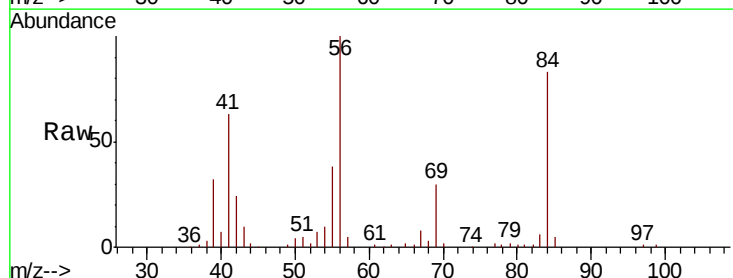
Instrument :
 MSVOA_V
 ClientSampled :

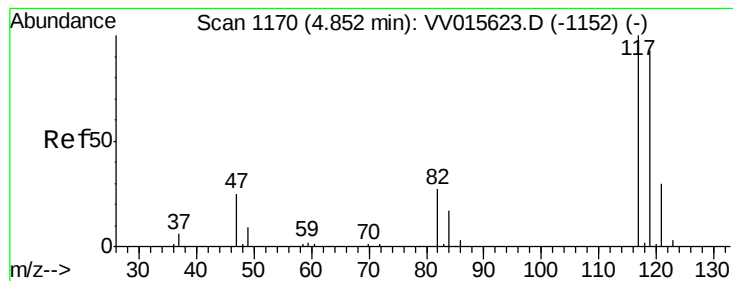
Tot Ion: 97 Resp: 80615
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.6 77.4
 61 48.3 38.6 57.8



#30
 Cyclohexane
 Concen: 4.970 ug/L
 RT: 4.70 min Scan# 1122
 Delta R.T. -0.00 min
 Lab File: VV015651.D
 Acq: 23 Apr 2020 10:11

Tgt Ion: 56 Resp: 75565
 Ion Ratio Lower Upper
 56 100
 69 30.6 23.9 35.9
 84 84.7 66.9 100.3





#31

Carbon tetrachloride

Concen: 5.091 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV015651.D

Acq: 23 Apr 2020 10:11

Instrument :

MSVOA_V

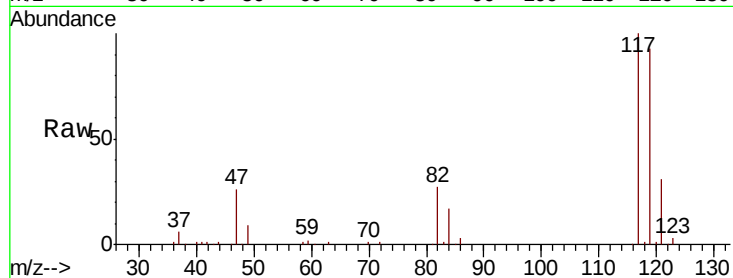
ClientSampleId :

Tot Ion:117 Resp: 67093

Ion Ratio Lower Upper

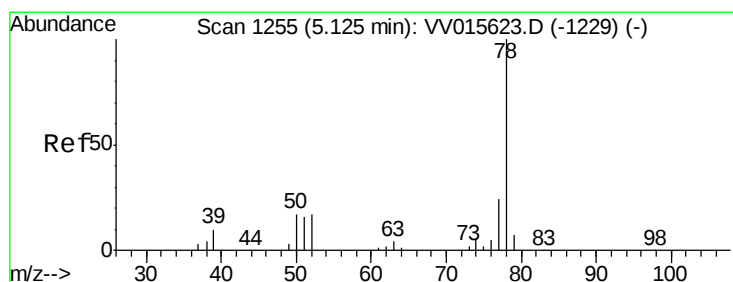
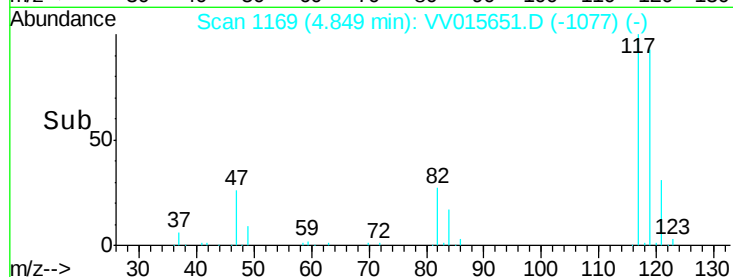
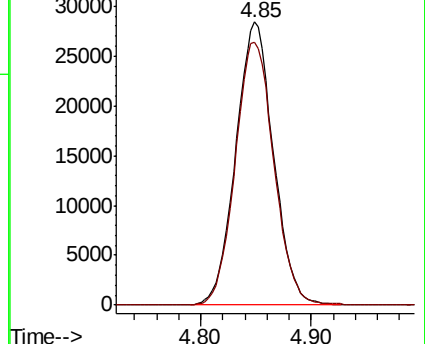
117 100

119 95.3 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.992 ug/L

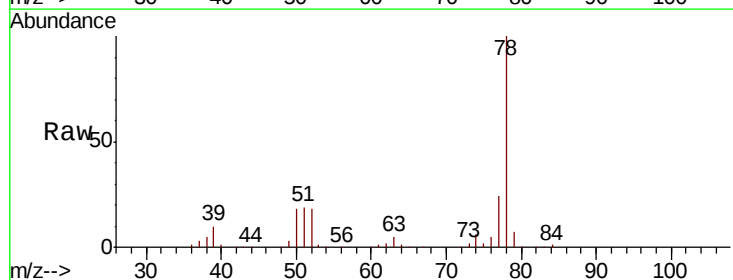
RT: 5.12 min Scan# 1253

Delta R.T. -0.01 min

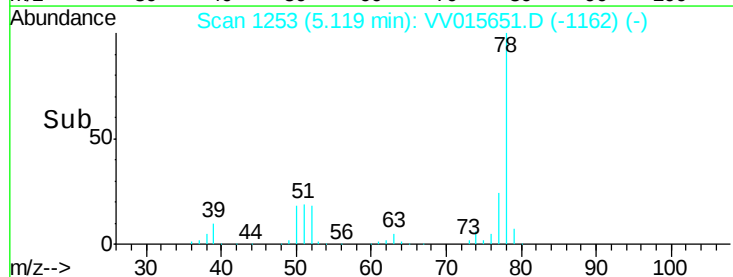
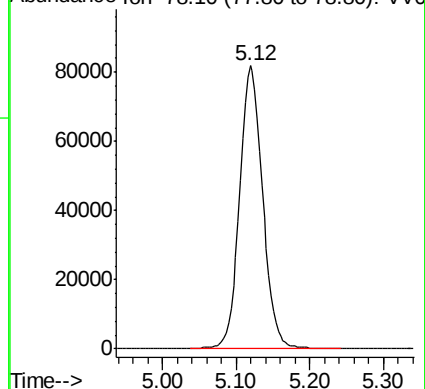
Lab File: VV015651.D

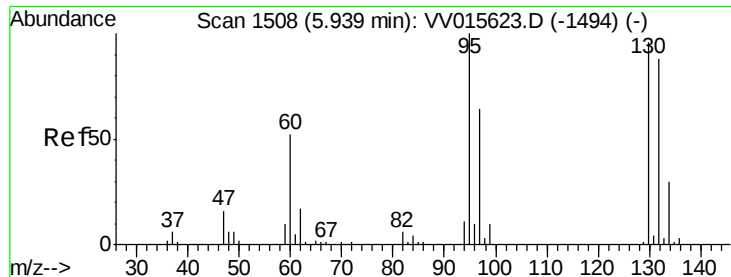
Acq: 23 Apr 2020 10:11

Tgt Ion: 78 Resp: 178988



Abundance Ion 78.10 (77.80 to 78.80): VV0

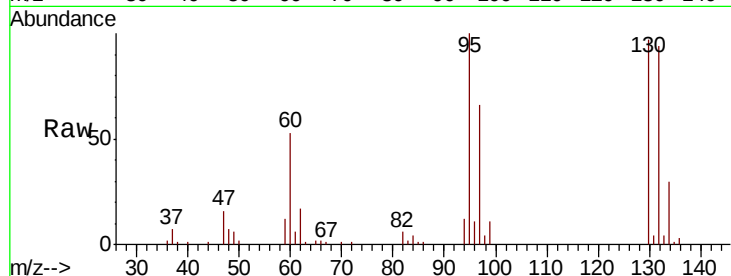




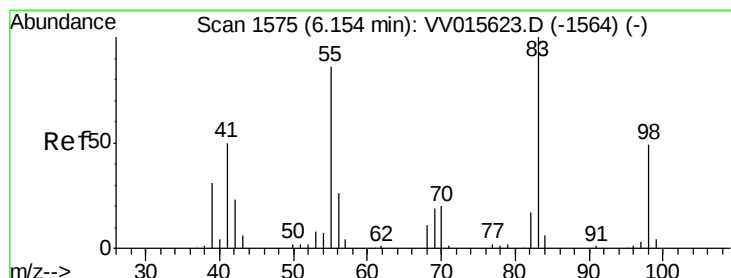
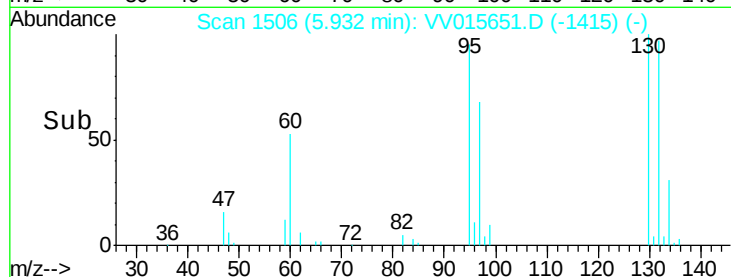
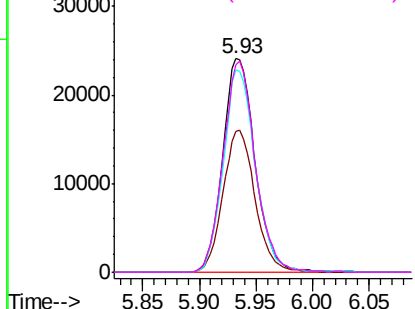
#34
 Trichloroethene
 Concen: 4.854 ug/L
 RT: 5.93 min Scan# 1506
 Delta R.T. -0.01 min
 Lab File: VV015651.D
 Acq: 23 Apr 2020 10:11

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 48058
 Ion Ratio Lower Upper
 95 100
 97 66.2 44.7 82.9
 132 94.5 65.2 121.0
 130 97.3 65.0 120.6

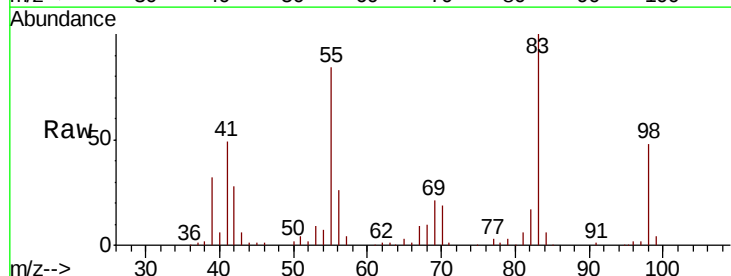


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

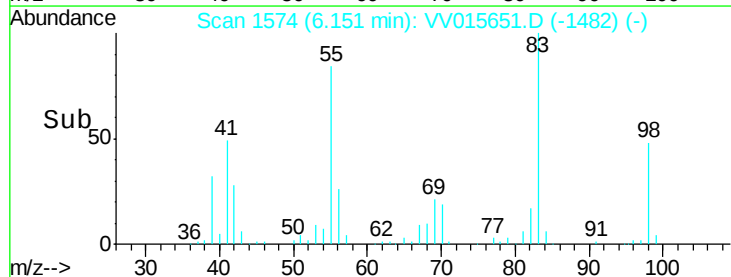
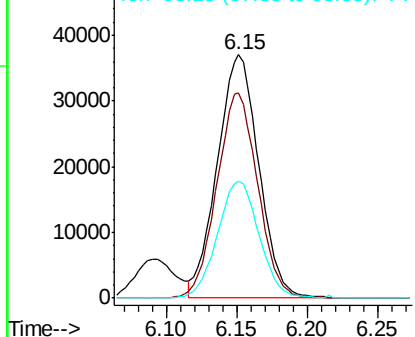


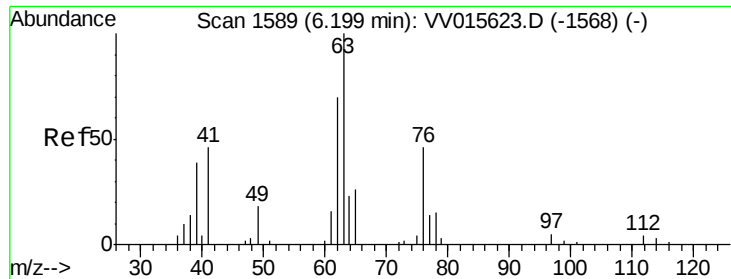
#35
 Methylcyclohexane
 Concen: 4.994 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV015651.D
 Acq: 23 Apr 2020 10:11

Tgt Ion: 83 Resp: 75898
 Ion Ratio Lower Upper
 83 100
 55 83.0 66.6 99.8
 98 47.2 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

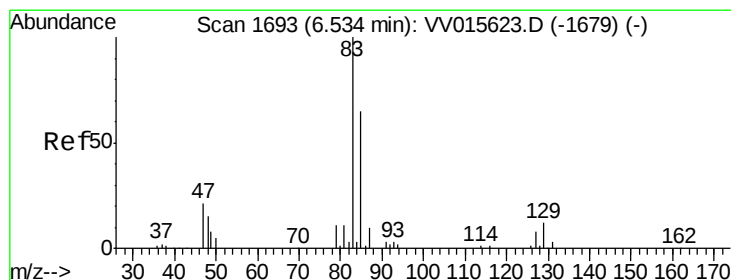
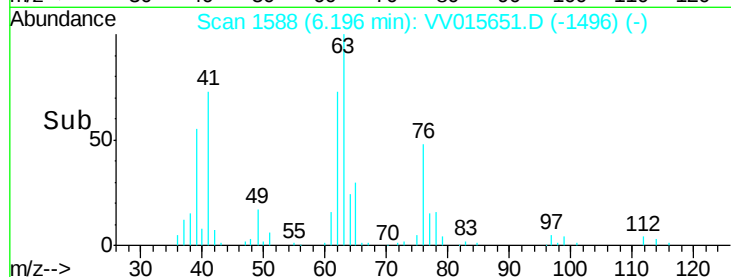
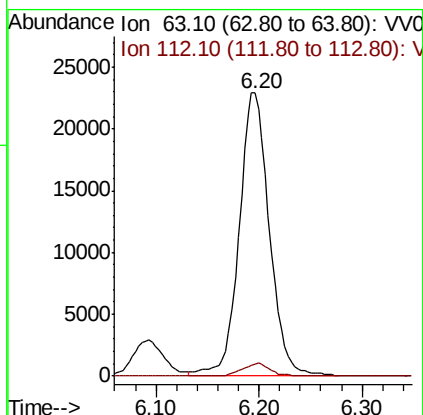
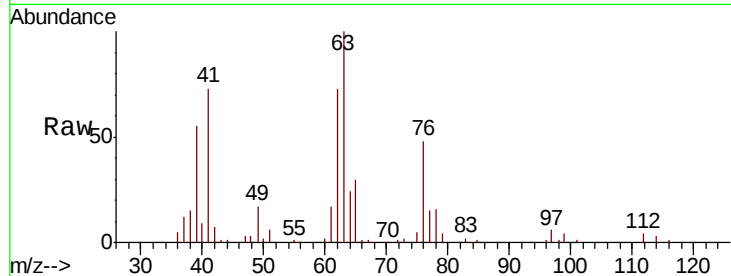




#37
 1,2-Dichloropropane
 Concen: 5.121 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV015651.D
 Acq: 23 Apr 2020 10:11

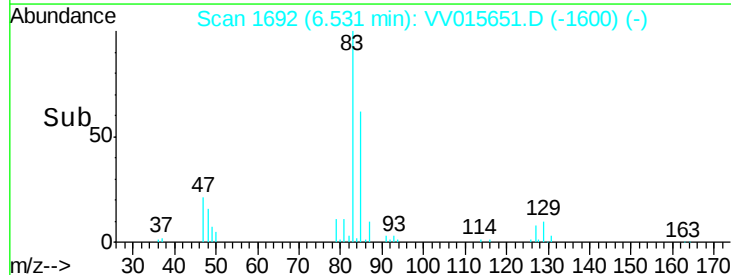
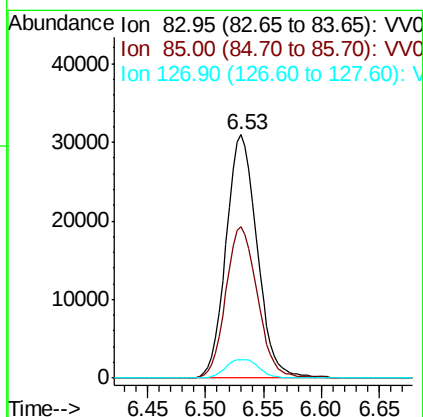
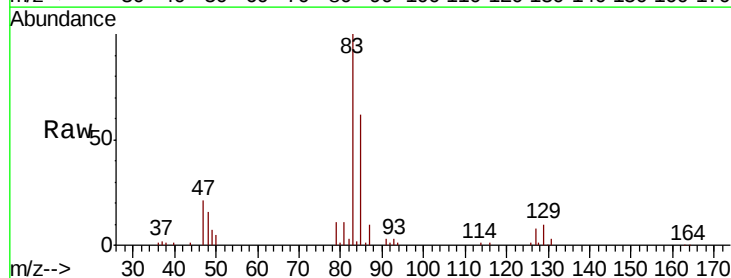
Instrument :
 MSVOA_V
 ClientSampled :

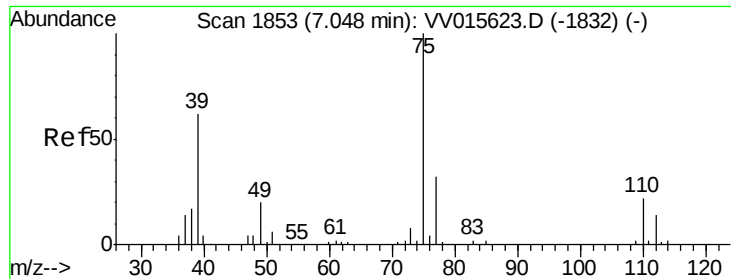
Tot Ion: 63 Resp: 46671
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.975 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV015651.D
 Acq: 23 Apr 2020 10:11

Tgt Ion: 83 Resp: 57568
 Ion Ratio Lower Upper
 83 100
 85 62.2 44.7 83.1
 127 7.6 5.8 8.6

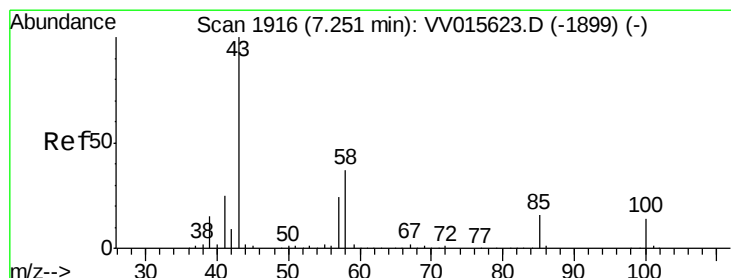
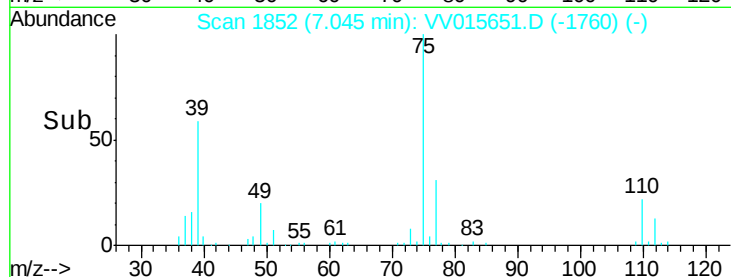
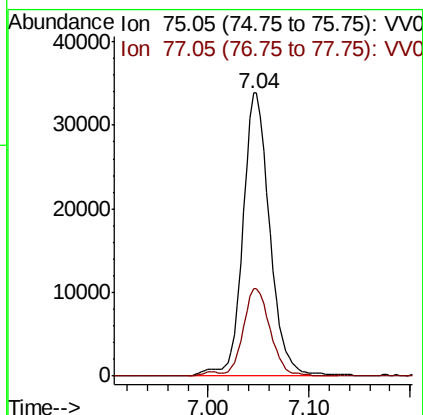
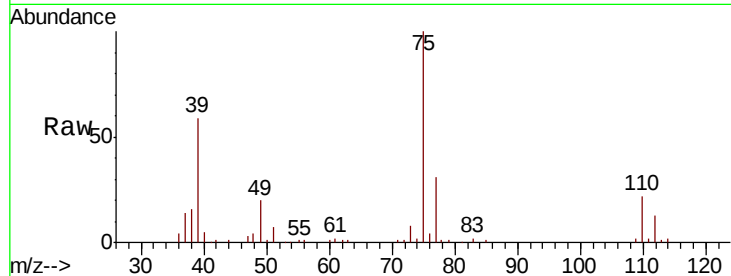




#39
 cis-1,3-Dichloropropene
 Concen: 4.916 ug/L
 RT: 7.04 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV015651.D
 Acq: 23 Apr 2020 10:11

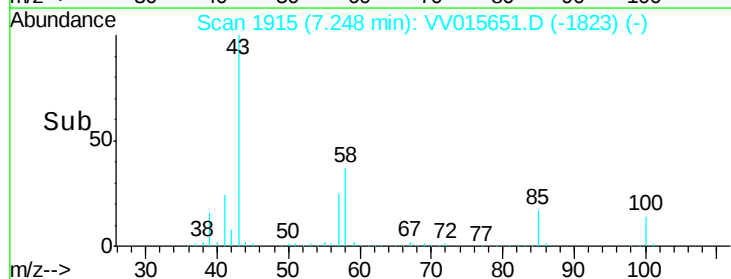
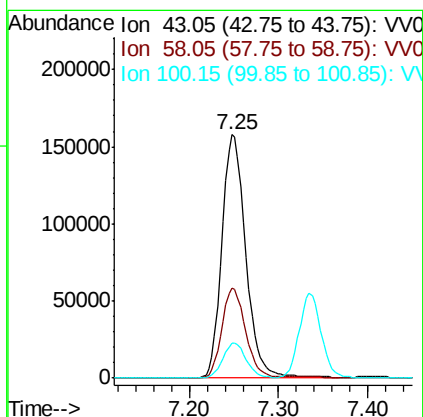
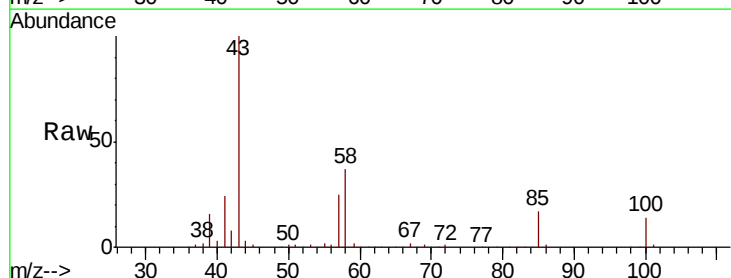
Instrument :
 MSVOA_V
 ClientSampleId :

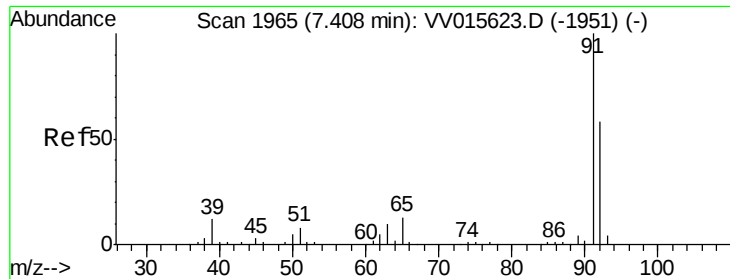
Tot Ion: 75 Resp: 62453
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 49.759 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VV015651.D
 Acq: 23 Apr 2020 10:11

Tgt Ion: 43 Resp: 294306
 Ion Ratio Lower Upper
 43 100
 58 36.3 29.2 43.8
 100 14.0 11.4 17.2





#42

Toluene

Concen: 5.086 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015651.D

Acq: 23 Apr 2020 10:11

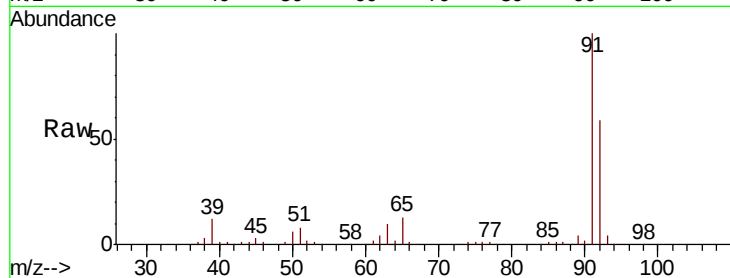
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 194821

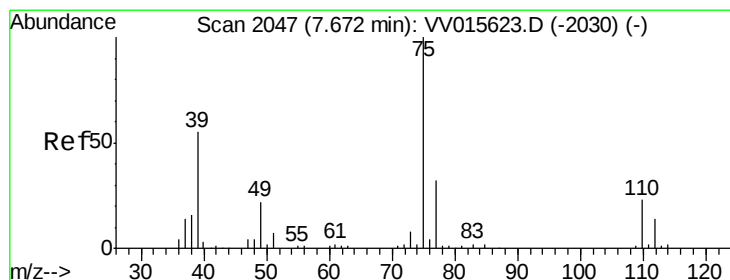
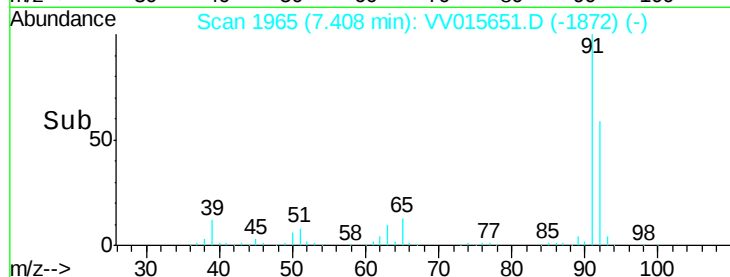
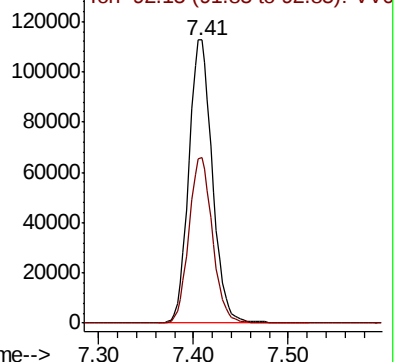
Ion Ratio Lower Upper

91 100

92 58.6 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: 4.871 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV015651.D

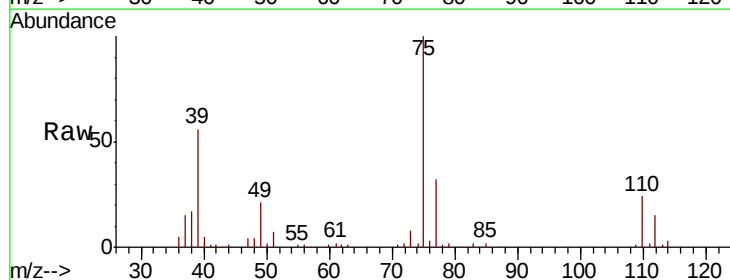
Acq: 23 Apr 2020 10:11

Tgt Ion: 75 Resp: 51998

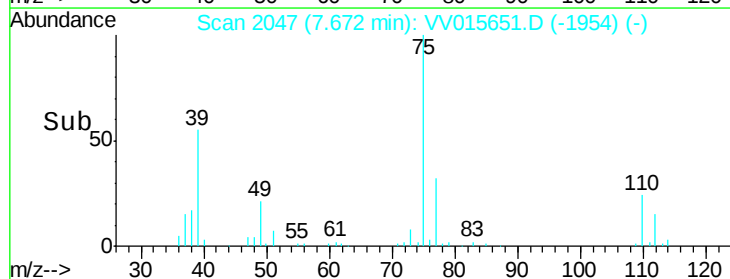
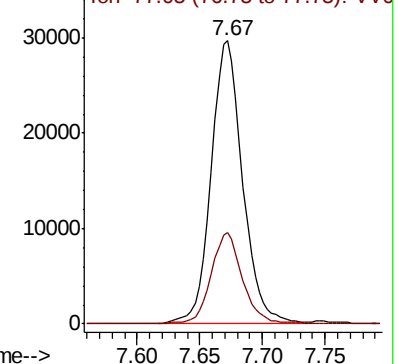
Ion Ratio Lower Upper

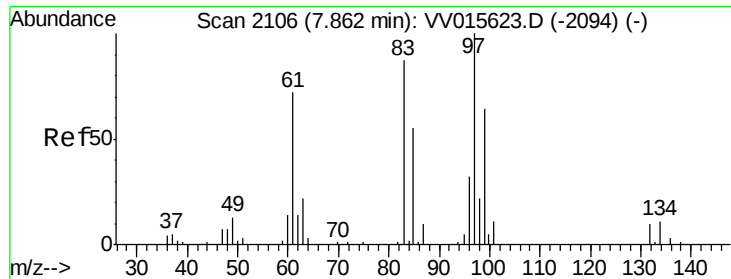
75 100

77 32.3 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0

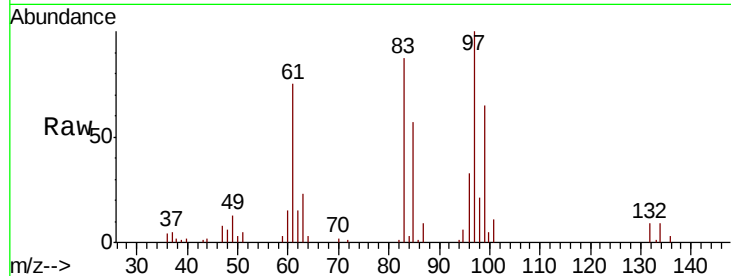




#45
 1,1,2-Trichloroethane
 Concen: 4.992 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV015651.D
 Acq: 23 Apr 2020 10:11

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	97	Resp:	31005
Ion	Ratio	Lower	Upper
97	100		
99	65.2	45.4	84.4
83	87.2	61.3	113.9
85	56.7	38.4	71.4



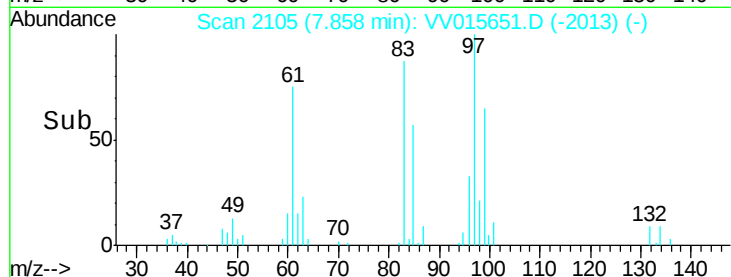
Abundance Ion 96.95 (96.65 to 97.65): VV015651.D (-2013) (-)

Ion 99.05 (98.75 to 99.75): VV015651.D (-2013) (-)

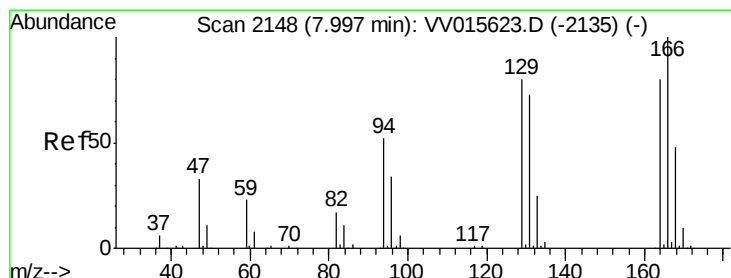
Ion 82.95 (82.65 to 83.65): VV015651.D (-2013) (-)

Ion 85.00 (84.70 to 85.70): VV015651.D (-2013) (-)

Time-->

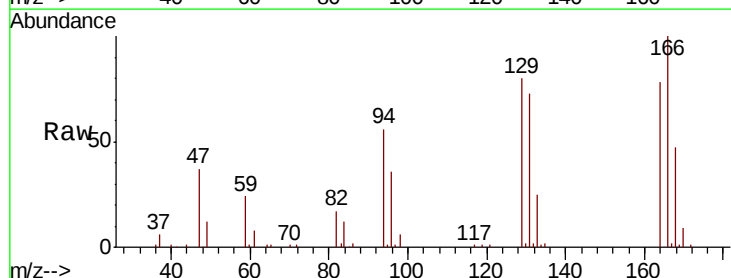


Time-->



#47
 Tetrachloroethene
 Concen: 5.021 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV015651.D
 Acq: 23 Apr 2020 10:11

Tgt Ion:	164	Resp:	35795
Ion	Ratio	Lower	Upper
164	100		
129	102.3	66.7	123.9
131	93.5	66.6	123.6
166	128.4	85.3	158.5



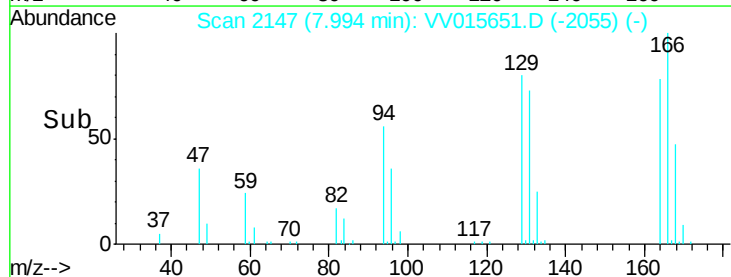
Abundance Ion 163.90 (163.60 to 164.60): VV015651.D (-2055) (-)

Ion 128.95 (128.65 to 129.65): VV015651.D (-2055) (-)

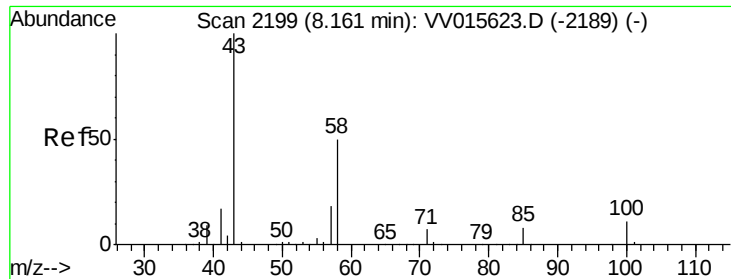
Ion 130.95 (130.65 to 131.65): VV015651.D (-2055) (-)

Ion 165.90 (165.60 to 166.60): VV015651.D (-2055) (-)

Time-->



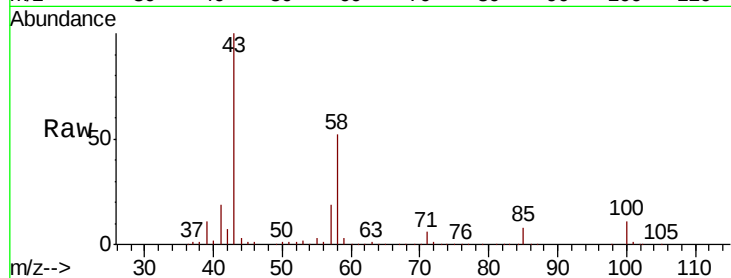
Time-->



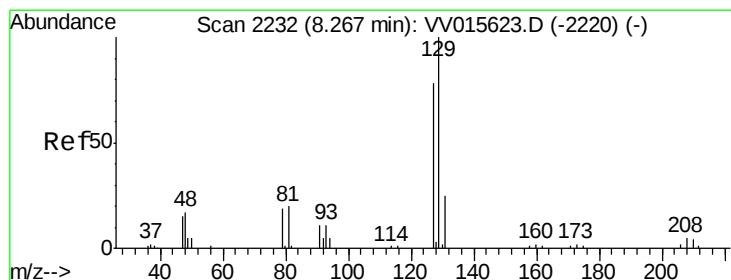
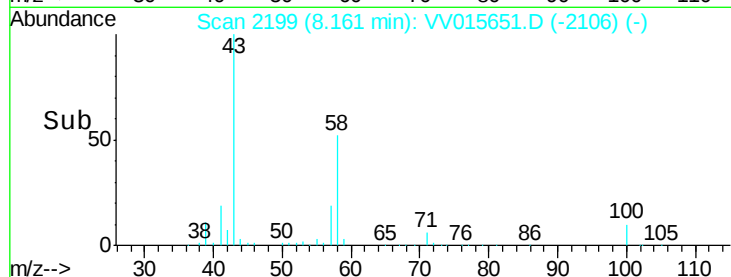
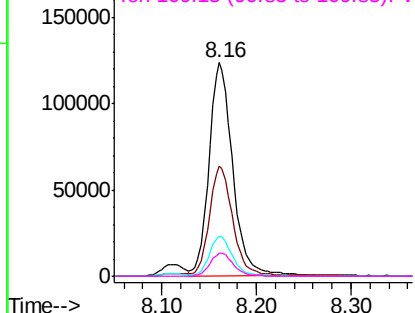
#48
2-Hexanone
Concen: 50.907 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV015651.D
Acq: 23 Apr 2020 10:11

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 214717
Ion Ratio Lower Upper
43 100
58 50.3 41.1 61.7
57 18.4 15.0 22.4
100 10.9 9.0 13.4

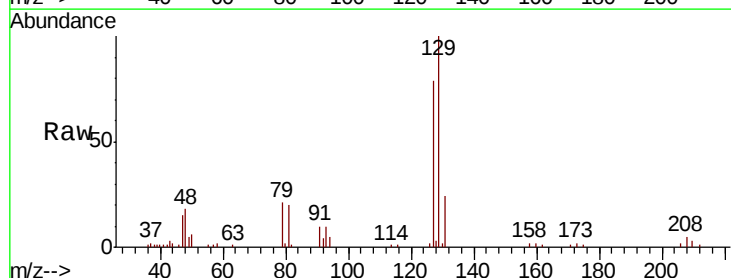


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

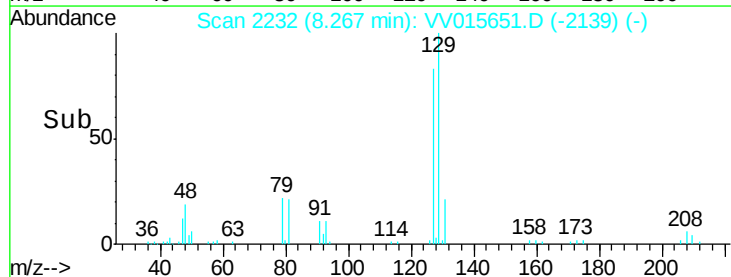
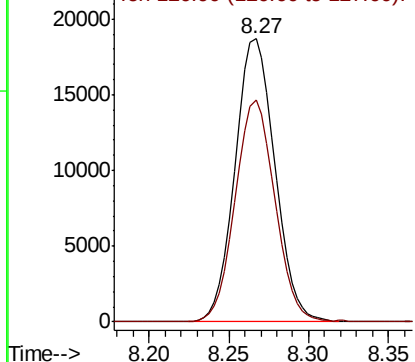


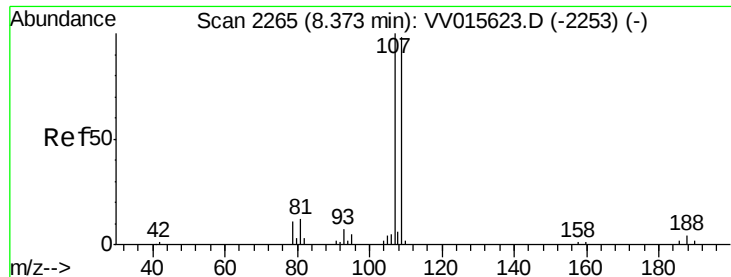
#49
Dibromochloromethane
Concen: 4.947 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV015651.D
Acq: 23 Apr 2020 10:11

Tgt Ion: 129 Resp: 31804
Ion Ratio Lower Upper
129 100
127 78.6 52.6 97.8



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

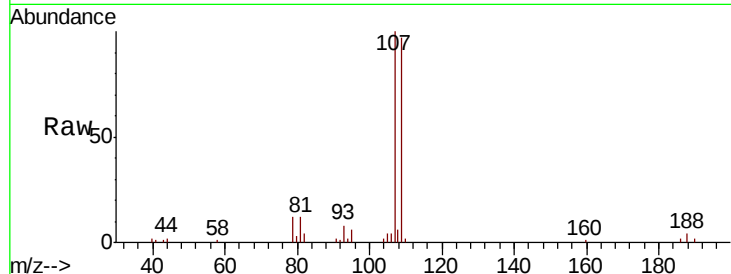




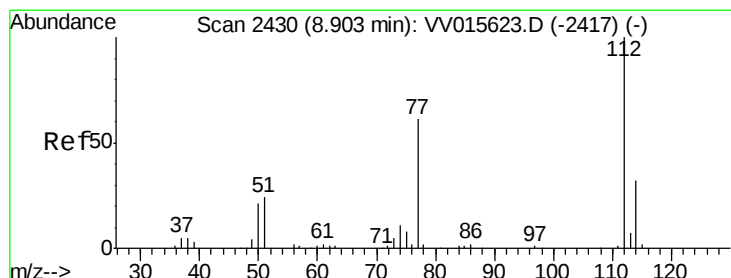
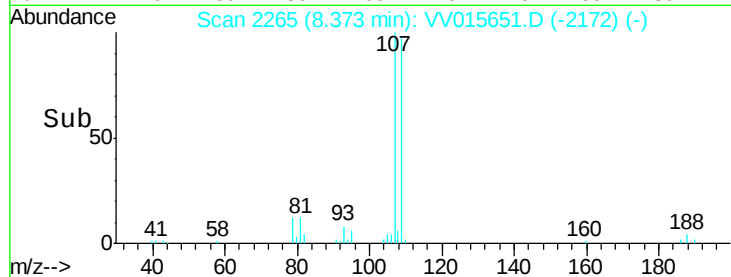
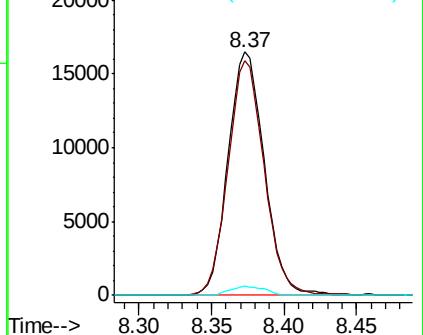
#50
1,2-Dibromoethane
Concen: 4.980 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV015651.D
Acq: 23 Apr 2020 10:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 28606
Ion Ratio Lower Upper
107 100
109 96.6 68.1 126.5
188 3.7 3.2 4.8

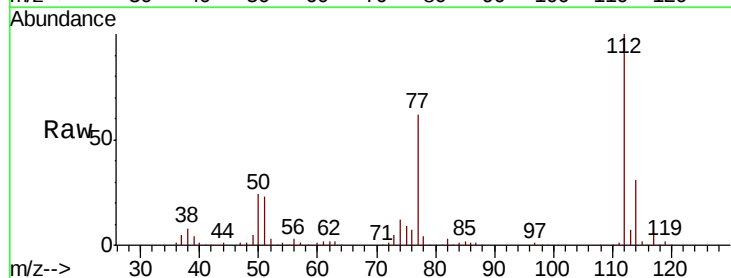


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

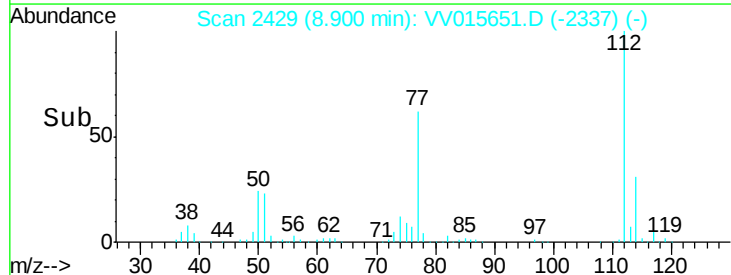
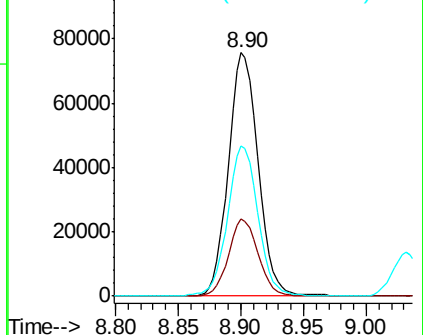


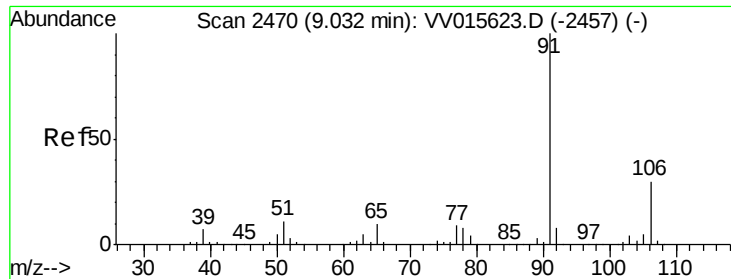
#51
Chlorobenzene
Concen: 4.986 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV015651.D
Acq: 23 Apr 2020 10:11

Tgt Ion:112 Resp: 125122
Ion Ratio Lower Upper
112 100
114 31.5 21.6 40.2
77 61.7 48.9 73.3



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

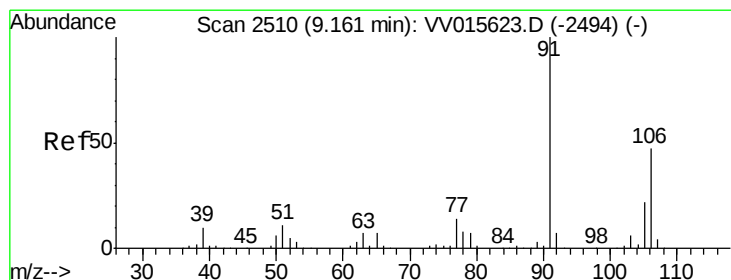
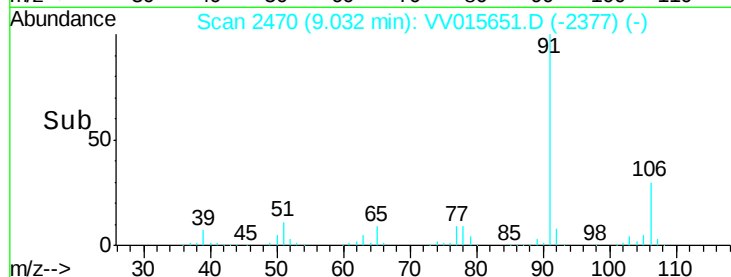
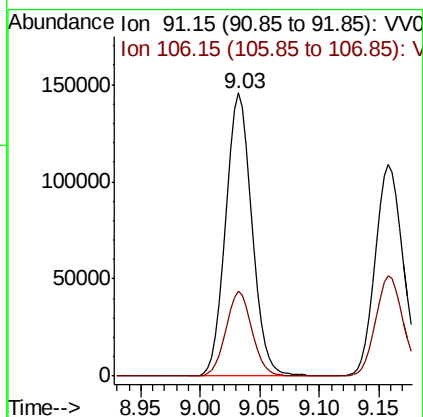
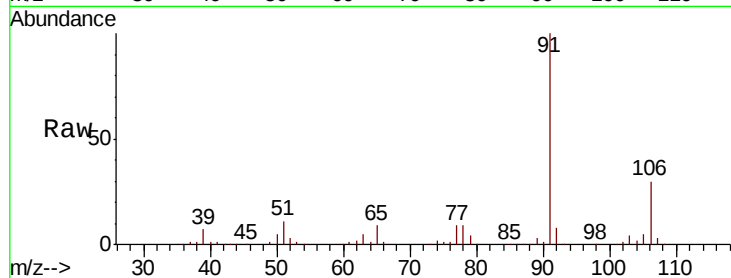




#52
Ethylbenzene
Concen: 5.036 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV015651.D
Acq: 23 Apr 2020 10:11

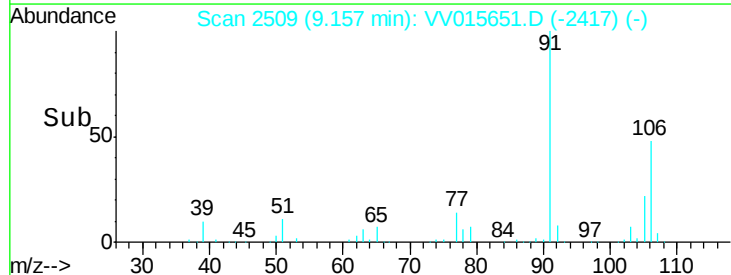
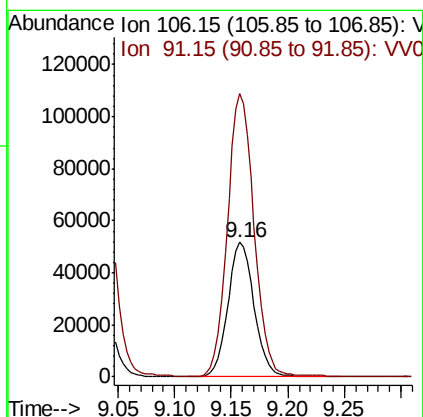
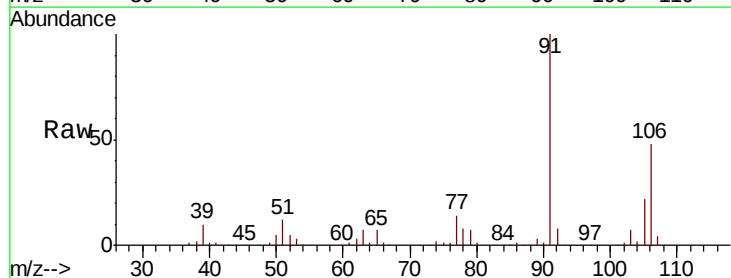
Instrument :
MSVOA_V
ClientSampleId :

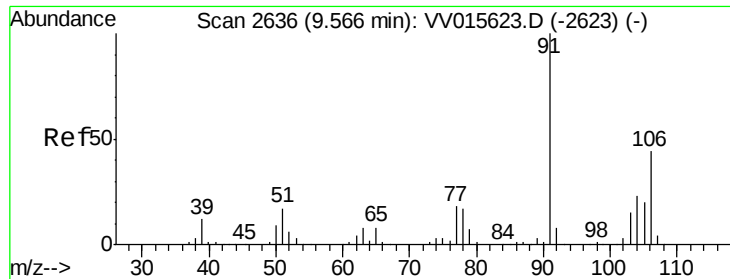
Tot Ion: 91 Resp: 223267
Ion Ratio Lower Upper
91 100
106 29.8 21.3 39.5



#53
m,p-xylene
Concen: 5.154 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV015651.D
Acq: 23 Apr 2020 10:11

Tgt Ion: 106 Resp: 83701
Ion Ratio Lower Upper
106 100
91 210.1 147.8 274.4





#54

o-xylene

Concen: 5.000 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV015651.D

Acq: 23 Apr 2020 10:11

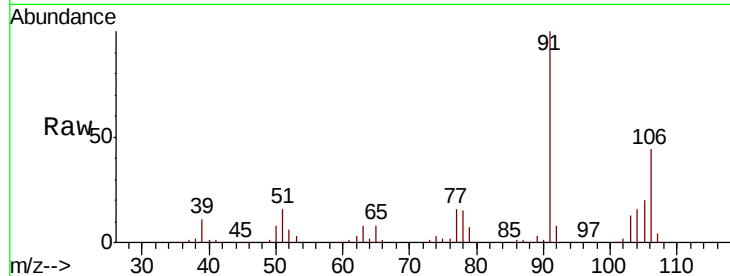
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 78558

Ion Ratio Lower Upper

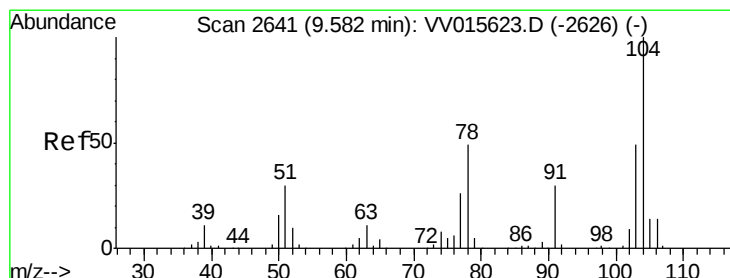
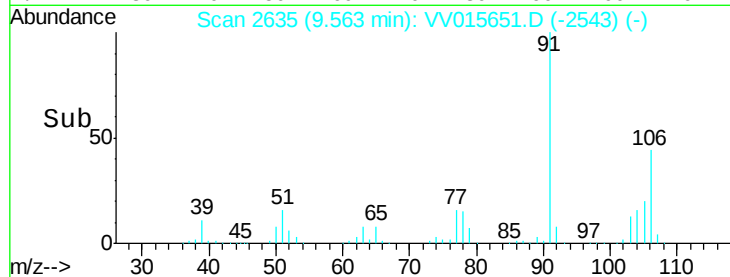
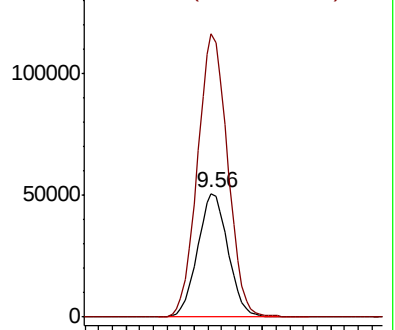
106 100

91 228.3 159.8 296.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.103 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV015651.D

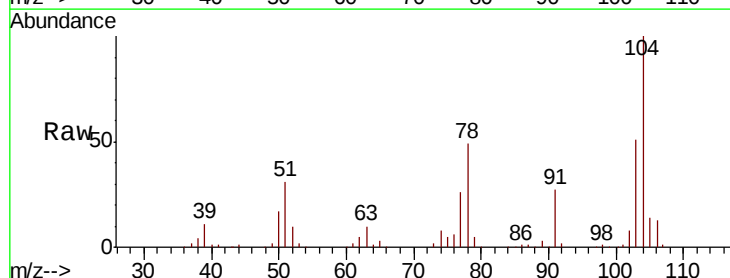
Acq: 23 Apr 2020 10:11

Tgt Ion:104 Resp: 136071

Ion Ratio Lower Upper

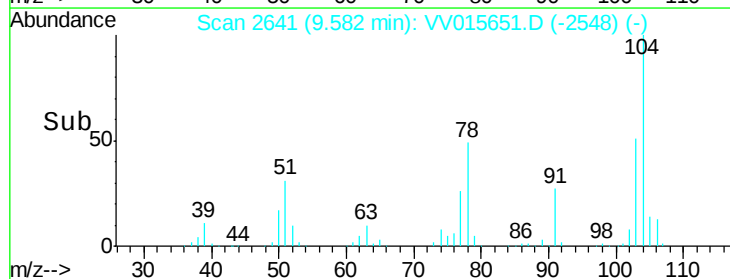
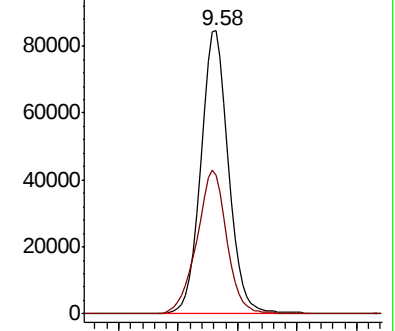
104 100

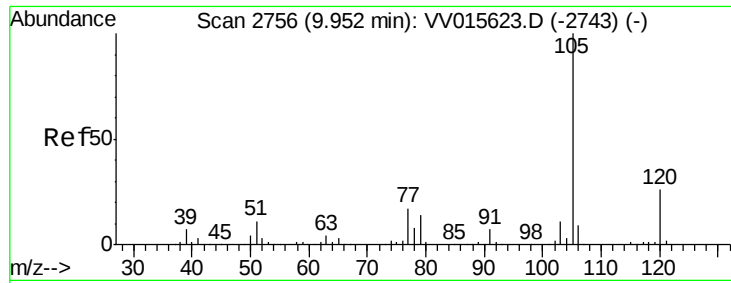
78 49.2 34.5 64.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.030 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015651.D

Acq: 23 Apr 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

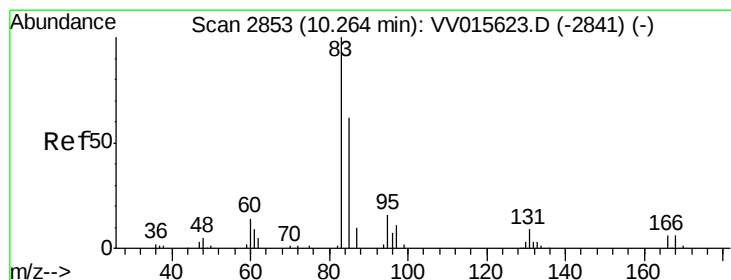
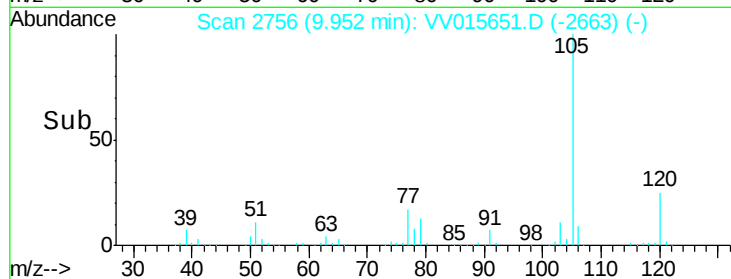
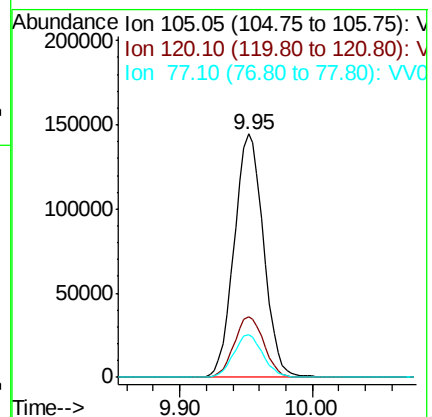
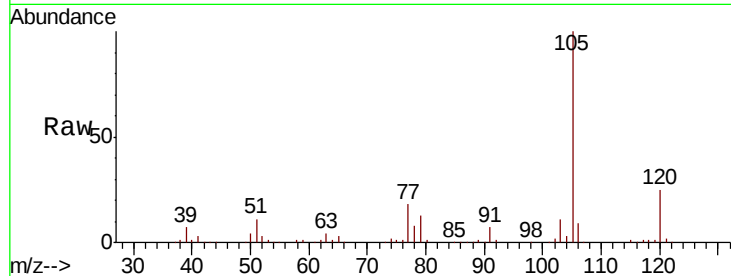
Tot Ion:105 Resp: 221743

Ion Ratio Lower Upper

105 100

120 25.2 20.7 31.1

77 17.5 13.9 20.9



#58

1,1,2,2-Tetrachloroethane

Concen: 5.013 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015651.D

Acq: 23 Apr 2020 10:11

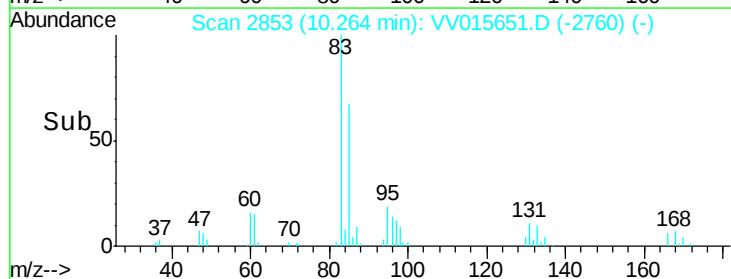
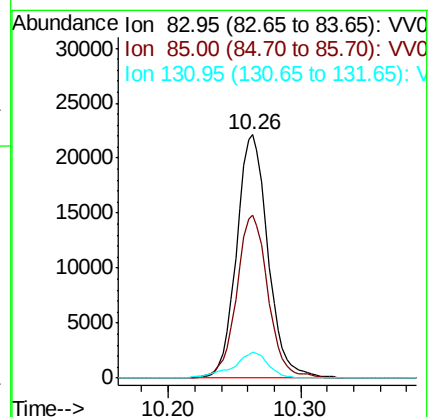
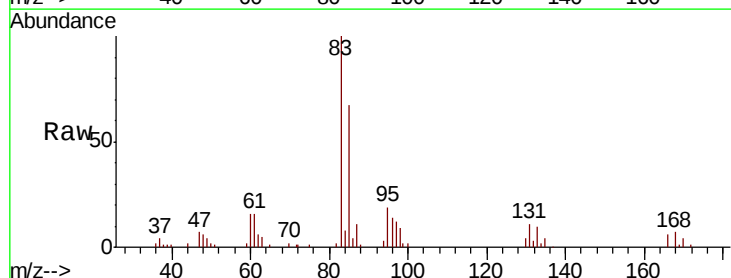
Tgt Ion: 83 Resp: 36360

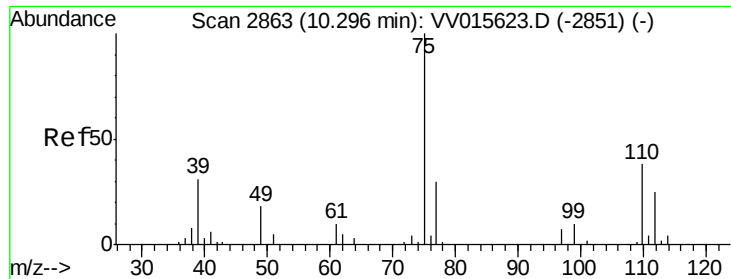
Ion Ratio Lower Upper

83 100

85 67.0 46.3 85.9

131 10.5 7.7 11.5





#59

1,2,3-Trichloropropane

Concen: 4.924 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV015651.D

Acq: 23 Apr 2020 10:11

Instrument :

MSVOA_V

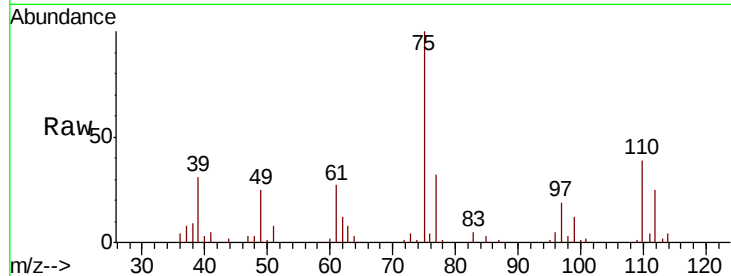
ClientSampleId :

Tot Ion: 75 Resp: 28649

Ion Ratio Lower Upper

75 100

77 31.6 26.0 39.0

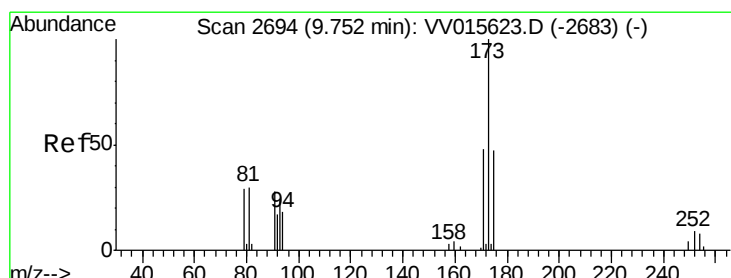
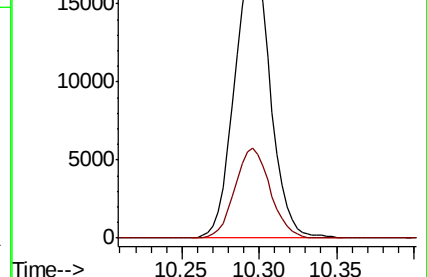
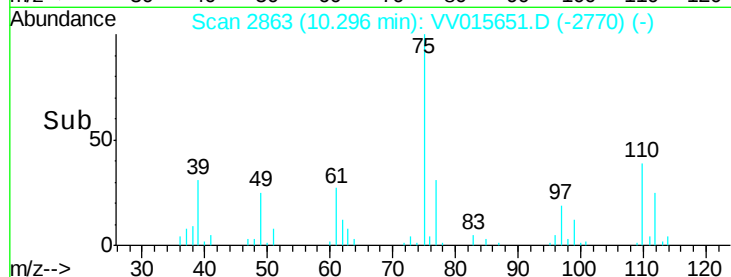


Abundance Ion 75.00 (74.70 to 75.70): VV015623.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV015623.D (-2851) (-)

10.30

Time-->



#61

Bromoform

Concen: 4.925 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015651.D

Acq: 23 Apr 2020 10:11

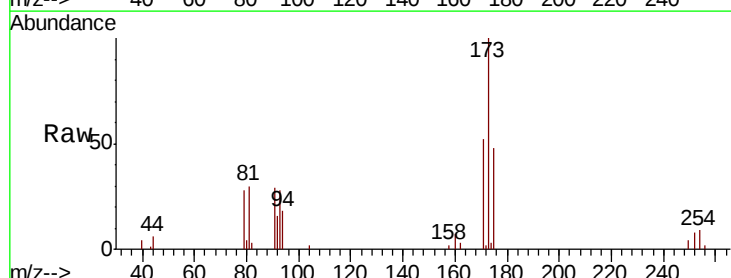
Tgt Ion:173 Resp: 13042

Ion Ratio Lower Upper

173 100

175 48.2 39.8 59.8

254 7.9 5.8 8.8



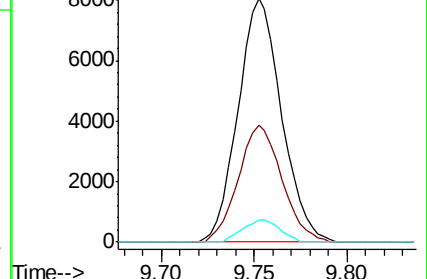
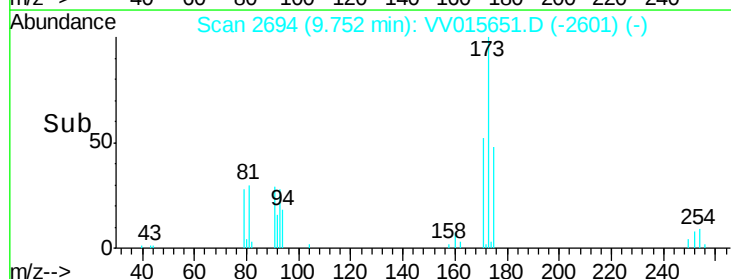
Abundance Ion 172.90 (172.60 to 173.60): VV015623.D (-2683) (-)

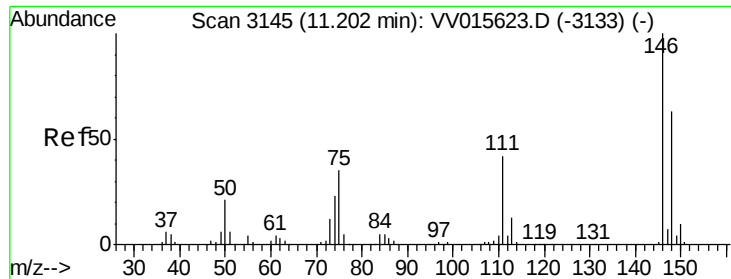
Ion 174.90 (174.60 to 175.60): VV015623.D (-2683) (-)

Ion 253.75 (253.45 to 254.45): VV015623.D (-2683) (-)

9.75

Time-->





#62

1,3-Dichlorobenzene

Concen: 4.964 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015651.D

Acq: 23 Apr 2020 10:11

Instrument :

MSVOA_V

ClientSampled :

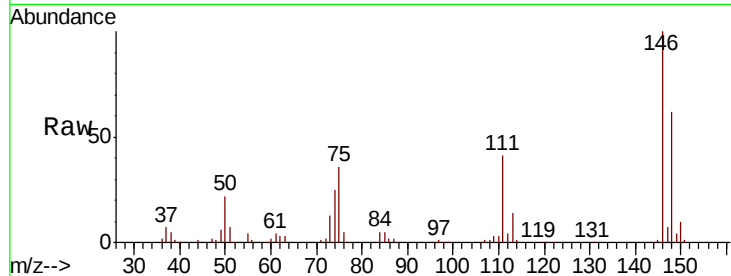
Tot Ion:146 Resp: 100777

Ion Ratio Lower Upper

146 100

111 41.5 30.0 55.6

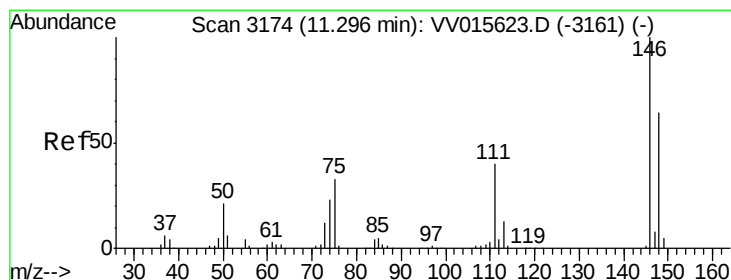
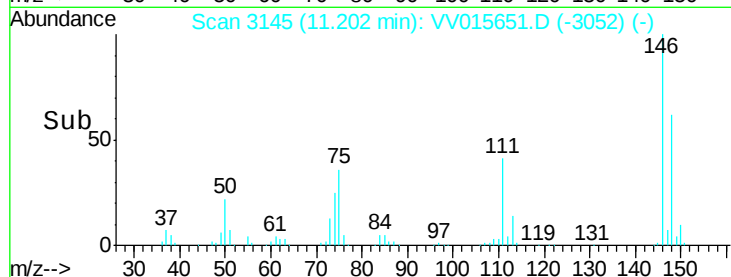
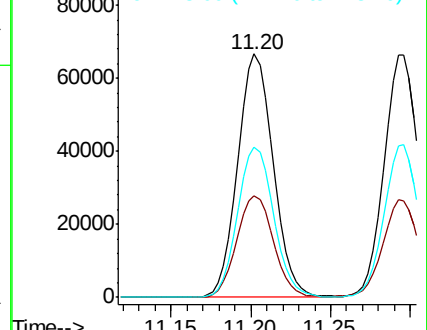
148 61.6 44.2 82.2



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



#63

1,4-Dichlorobenzene

Concen: 4.978 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV015651.D

Acq: 23 Apr 2020 10:11

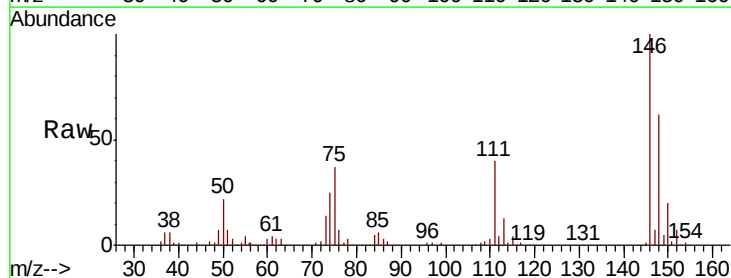
Tgt Ion:146 Resp: 101915

Ion Ratio Lower Upper

146 100

111 40.2 28.2 52.4

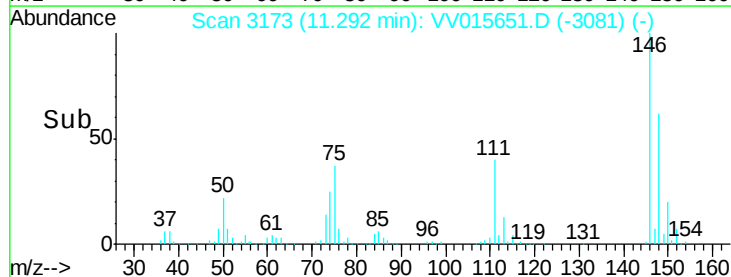
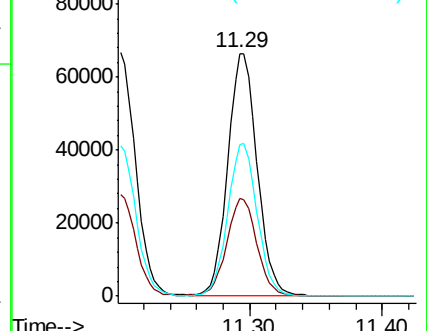
148 62.5 45.7 84.9

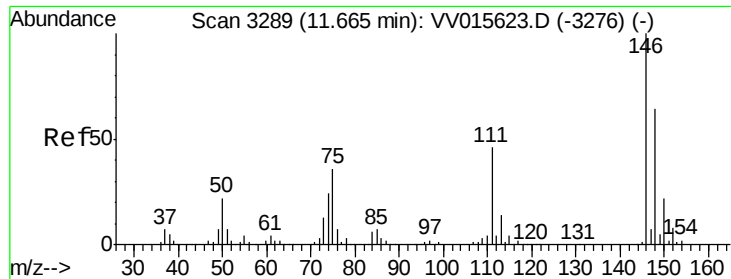


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.935 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015651.D

Acq: 23 Apr 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

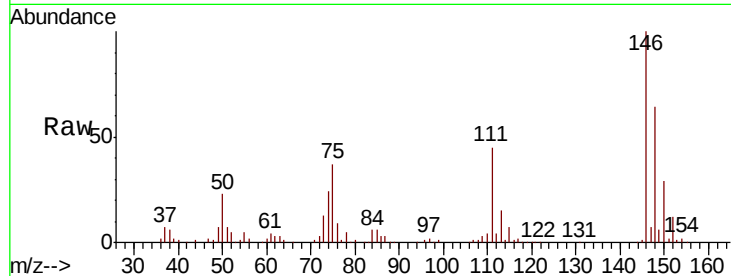
Tot Ion:146 Resp: 90619

Ion Ratio Lower Upper

146 100

111 44.6 34.7 52.1

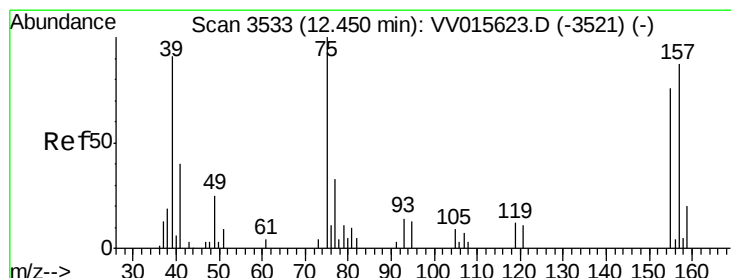
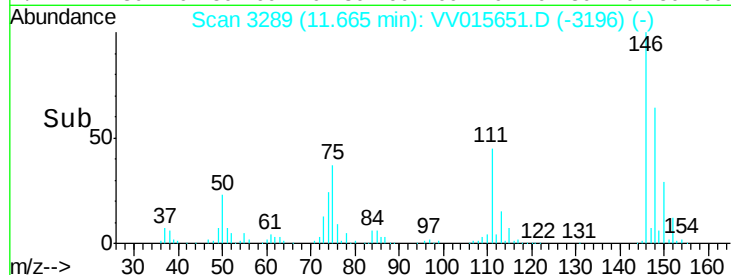
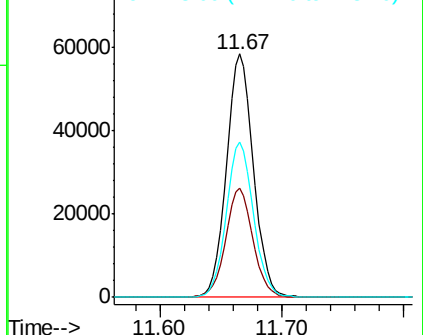
148 63.5 51.3 76.9



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: 4.899 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV015651.D

Acq: 23 Apr 2020 10:11

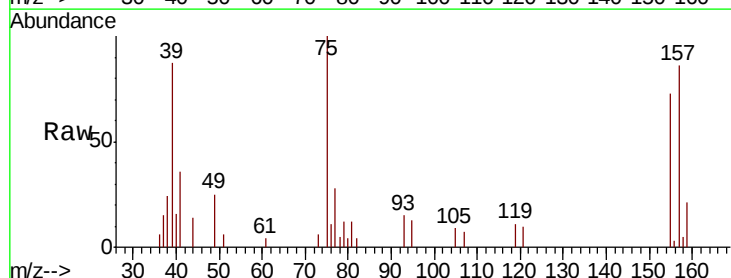
Tgt Ion: 75 Resp: 5860

Ion Ratio Lower Upper

75 100

155 72.5 51.0 76.4

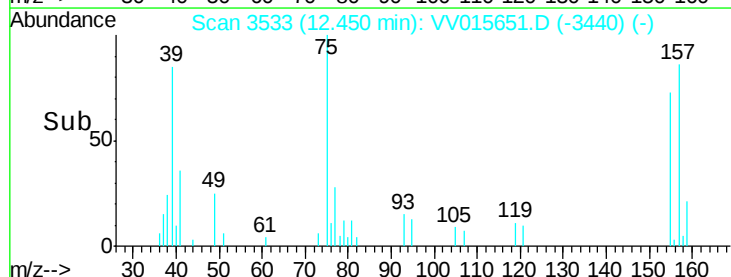
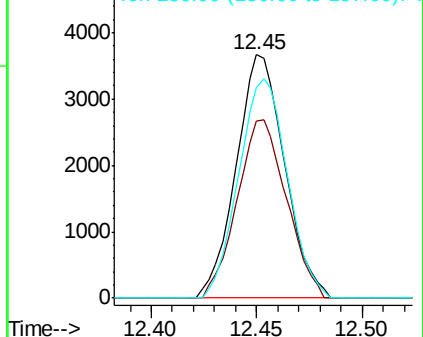
157 86.4 70.6 106.0

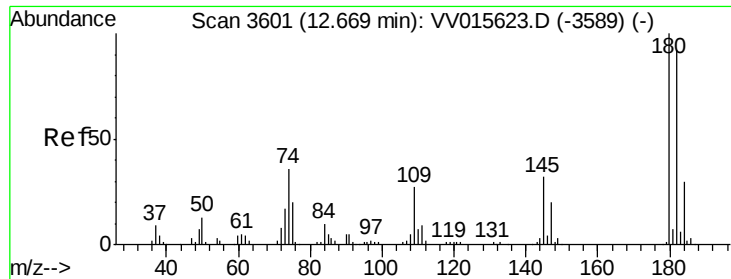


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

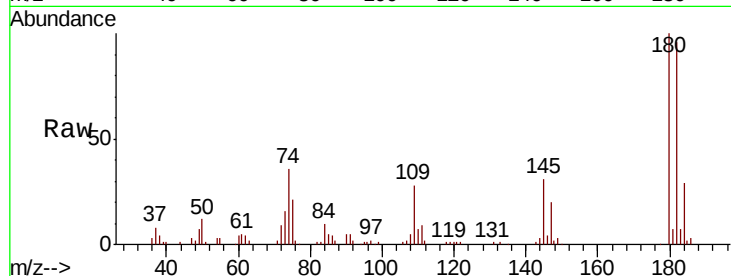




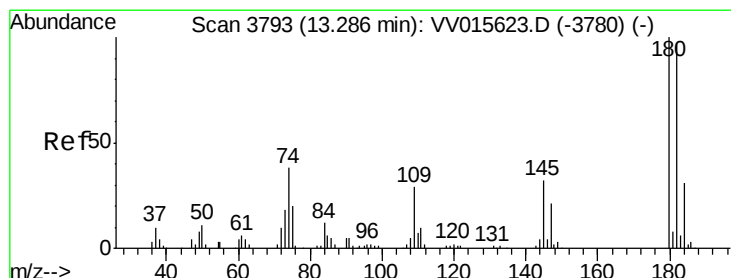
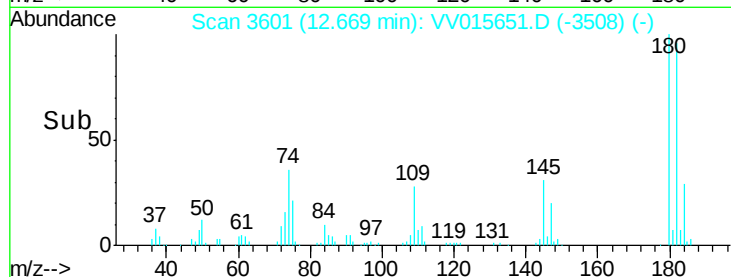
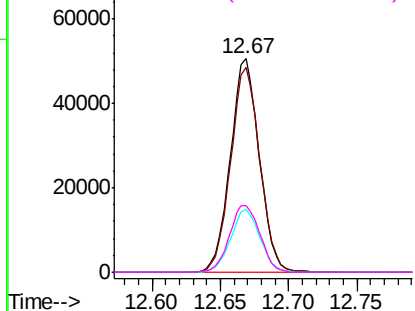
#67
 1,3,5-Trichlorobenzene
 Concen: 4.963 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015651.D
 Acq: 23 Apr 2020 10:11

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 74463
 Ion Ratio Lower Upper
 180 100
 182 96.7 78.2 117.4
 184 29.8 25.0 37.4
 145 32.8 26.4 39.6

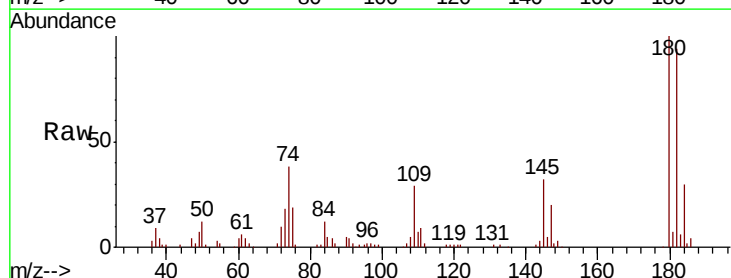


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

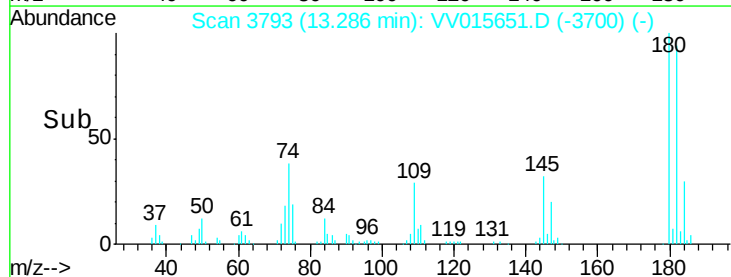
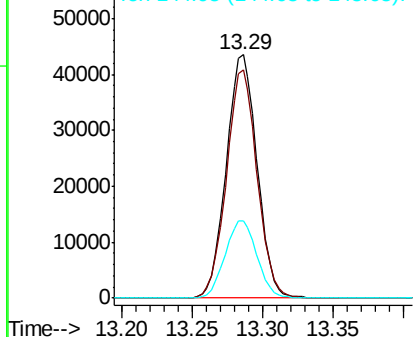


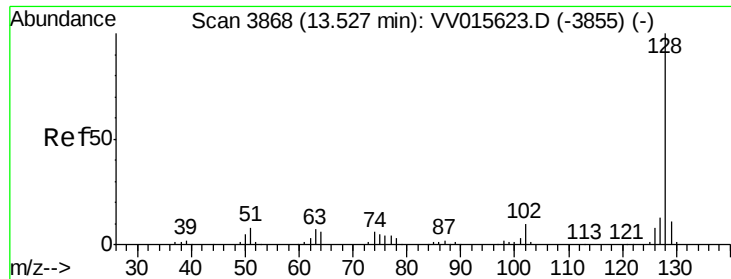
#68
 1,2,4-trichlorobenzene
 Concen: 4.809 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015651.D
 Acq: 23 Apr 2020 10:11

Tgt Ion:180 Resp: 66397
 Ion Ratio Lower Upper
 180 100
 182 93.5 74.8 112.2
 145 32.8 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: 4.436 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015651.D

Acq: 23 Apr 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

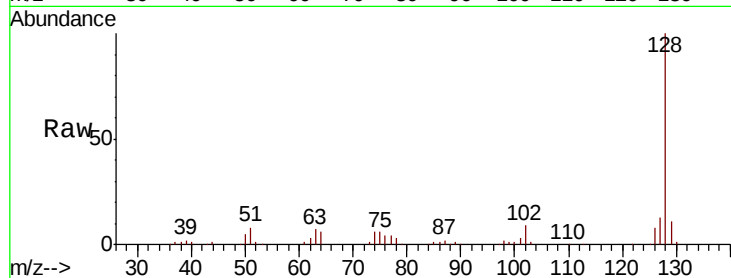
Tot Ion:128 Resp: 109634

Ion Ratio Lower Upper

128 100

129 10.9 8.4 12.6

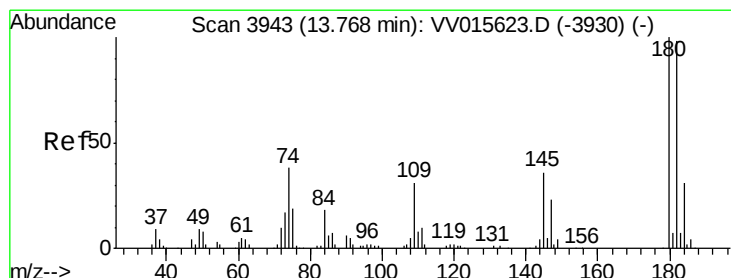
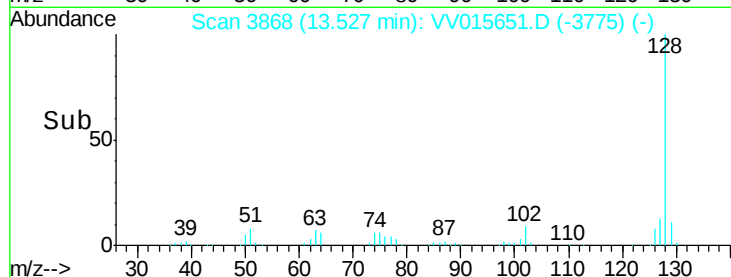
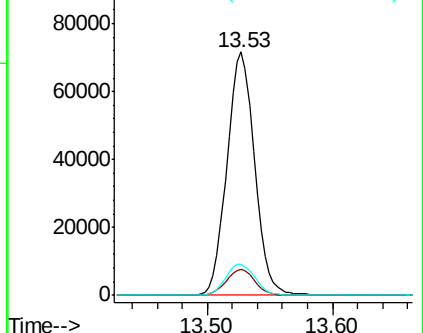
127 13.7 10.2 15.4



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: 4.762 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015651.D

Acq: 23 Apr 2020 10:11

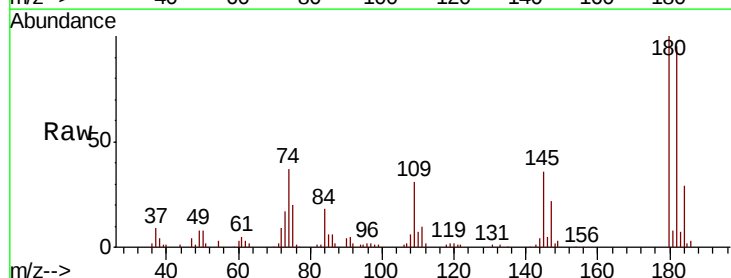
Tgt Ion:180 Resp: 58031

Ion Ratio Lower Upper

180 100

182 94.9 74.8 112.2

145 35.9 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

