

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050420\
 Data File : VV015876.D
 Acq On : 04 May 2020 11:13
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 05 01:04:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon May 04 12:13:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	131122	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	124042	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	64734	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	32588	4.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.20%
7) Chloroethane-d5	1.57	69	30408	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.12	63	69200	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.20%
20) 2-Butanone-d5	3.96	46	105964	48.16	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.32%
24) Chloroform-d	4.37	84	74315	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	5.06	65	41526	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
32) Benzene-d6	5.07	84	139938	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.09	67	43769	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.60%
41) Toluene-d8	7.33	98	129056	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	7.64	79	17972	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
46) 2-Hexanone-d5	8.11	63	83581	46.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.70%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	33768	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	48238	4.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	51747	4.608	ug/L 100
3) Chloromethane	1.24	50	47244	4.862	ug/L 98
5) Vinyl chloride	1.32	62	48402	4.664	ug/L 99
6) Bromomethane	1.53	94	26268	5.896	ug/L 98
8) Chloroethane	1.59	64	30823	4.523	ug/L 98
9) Trichlorofluoromethane	1.76	101	71794	4.930	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	41549	5.043	ug/L 98
12) 1,1-Dichloroethene	2.13	96	37563	4.922	ug/L 94
13) Acetone	2.25	43	28015	18.337	ug/L 93
14) Carbon disulfide	2.30	76	104857	4.860	ug/L 99
15) Methyl Acetate	2.46	43	16756	4.612	ug/L 99
16) Methylene chloride	2.52	84	51447	5.460	ug/L 98
17) Methyl tert-butyl Ether	2.79	73	113967	5.320	ug/L 97
18) trans-1,2-Dichloroethene	2.77	96	43064	5.040	ug/L 98
19) 1,1-Dichloroethane	3.21	63	87602	5.221	ug/L 99
21) 2-Butanone	4.04	43	115312	48.932	ug/L 100
22) cis-1,2-Dichloroethene	3.94	96	46413	4.913	ug/L 97

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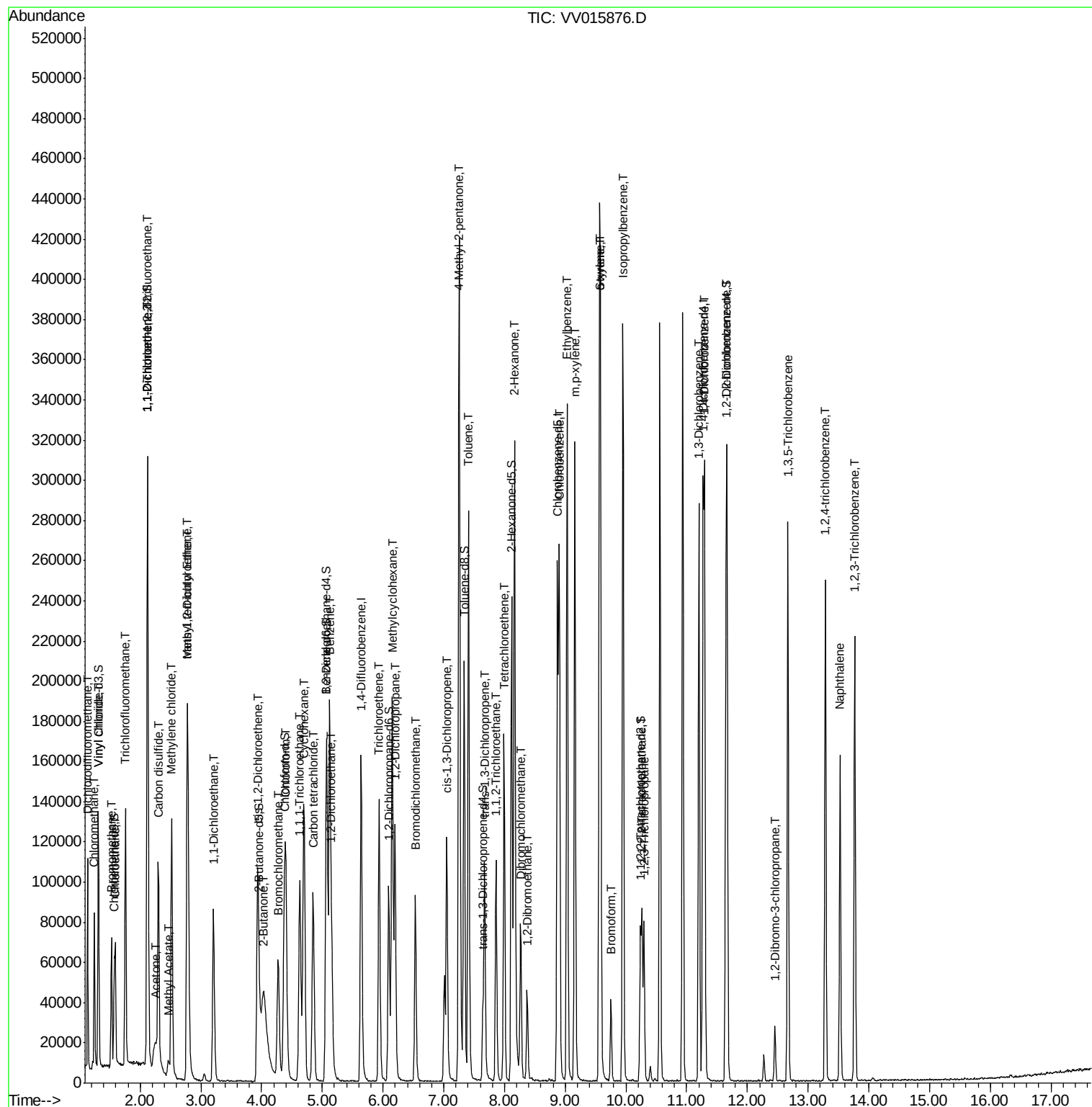
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	19520	5.058	ug/L	97
25) Chloroform	4.40	83	92623	5.200	ug/L	98
27) 1,2-Dichloroethane	5.15	62	57215	4.889	ug/L	97
29) 1,1,1-Trichloroethane	4.63	97	80897	5.143	ug/L	99
30) Cyclohexane	4.70	56	75203	5.004	ug/L	99
31) Carbon tetrachloride	4.85	117	68217	5.236	ug/L	98
33) Benzene	5.12	78	178919	5.049	ug/L	100
34) Trichloroethene	5.94	95	48671	4.973	ug/L	98
35) Methylcyclohexane	6.15	83	75313	5.014	ug/L	99
37) 1,2-Dichloropropane	6.20	63	45631	5.065	ug/L	98
38) Bromodichloromethane	6.53	83	61303	5.359	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	67582	5.382	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	311538	53.288	ug/L	99
42) Toluene	7.41	91	191445	5.056	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	57469	5.446	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	32268	5.256	ug/L	98
47) Tetrachloroethene	8.00	164	35256	5.003	ug/L	98
48) 2-Hexanone	8.16	43	229531	55.055	ug/L	99
49) Dibromochloromethane	8.27	129	36579	5.757	ug/L	100
50) 1,2-Dibromoethane	8.37	107	29961	5.277	ug/L	97
51) Chlorobenzene	8.90	112	126221	5.088	ug/L	99
52) Ethylbenzene	9.03	91	224919	5.132	ug/L	100
53) m,p-xylene	9.16	106	84603	5.271	ug/L	100
54) o-xylene	9.56	106	79929	5.146	ug/L	100
55) Styrene	9.58	104	138350	5.250	ug/L	96
56) Isopropylbenzene	9.95	105	226819	5.206	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	37313	5.204	ug/L	96
59) 1,2,3-Trichloropropane	10.30	75	29131	5.065	ug/L	99
61) Bromoform	9.75	173	16837	6.301	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	102274	4.992	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	103404	5.004	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	93239	5.032	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	6526	5.406	ug/L #	90
67) 1,3,5-Trichlorobenzene	12.67	180	75176	4.965	ug/L	100
68) 1,2,4-trichlorobenzene	13.29	180	66853	4.798	ug/L	97
69) Naphthalene	13.53	128	117974	4.730	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	59888	4.870	ug/L	98

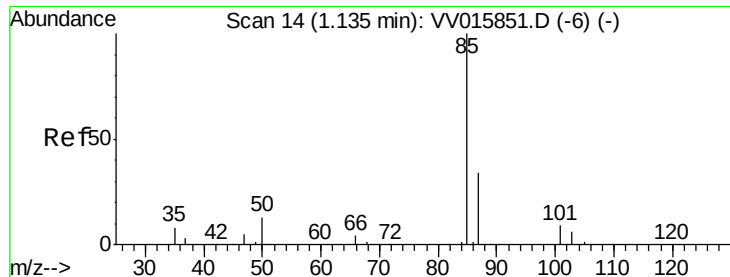
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.608 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015876.D

Acq: 04 May 2020 11:13

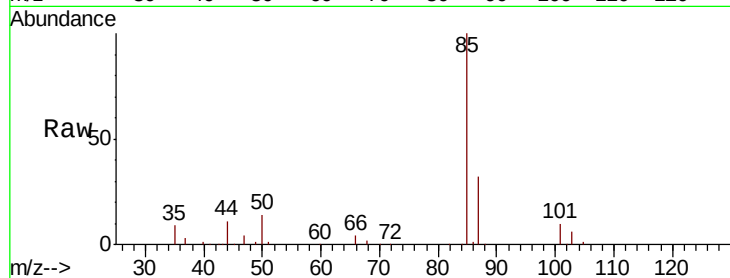
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 51747

Ion Ratio Lower Upper

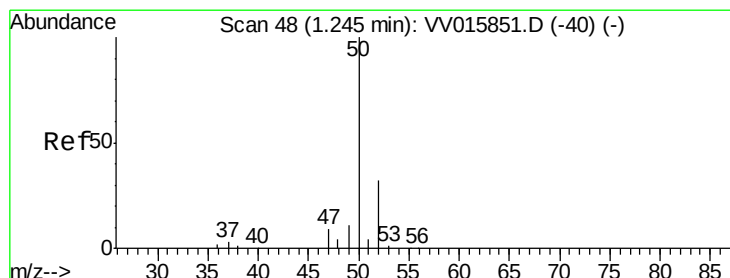
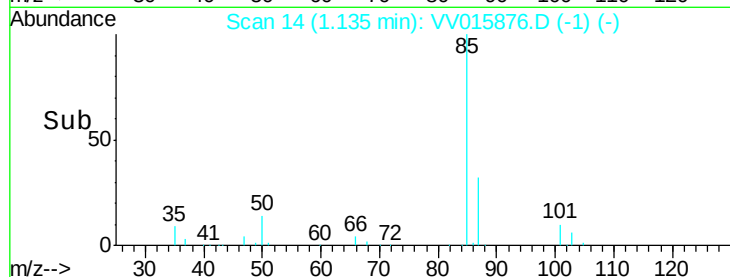
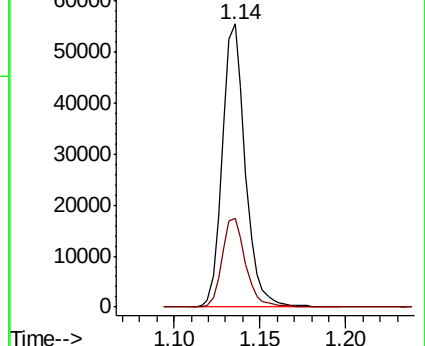
85 100

87 32.3 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.862 ug/L

RT: 1.24 min Scan# 48

Delta R.T. 0.00 min

Lab File: VV015876.D

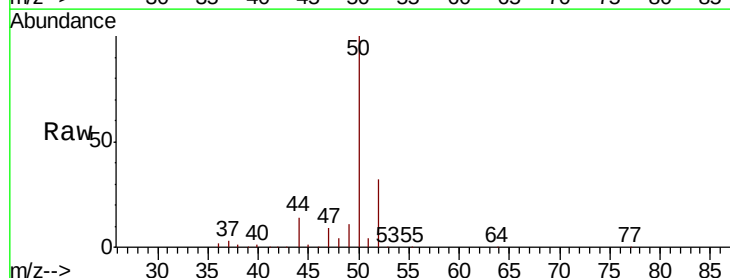
Acq: 04 May 2020 11:13

Tgt Ion: 50 Resp: 47244

Ion Ratio Lower Upper

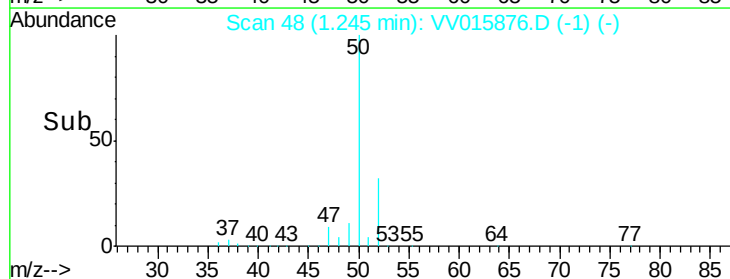
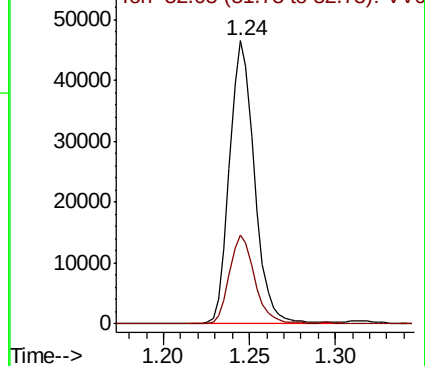
50 100

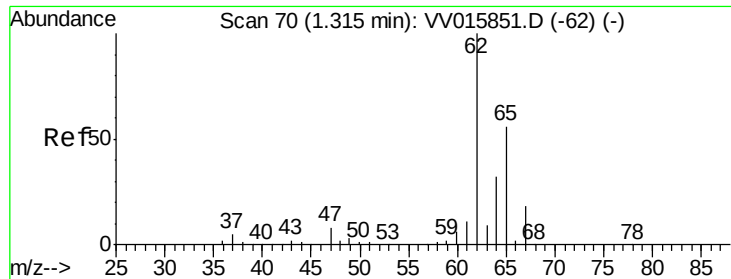
52 31.5 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.664 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV015876.D

Acq: 04 May 2020 11:13

Instrument :

MSVOA_V

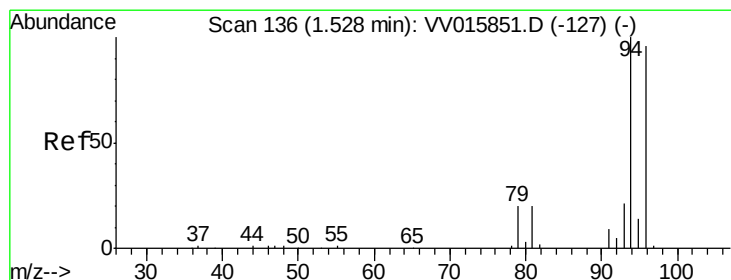
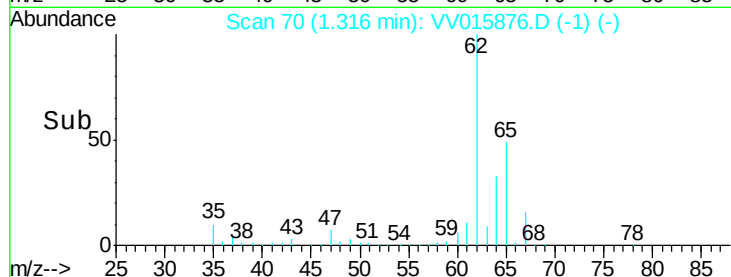
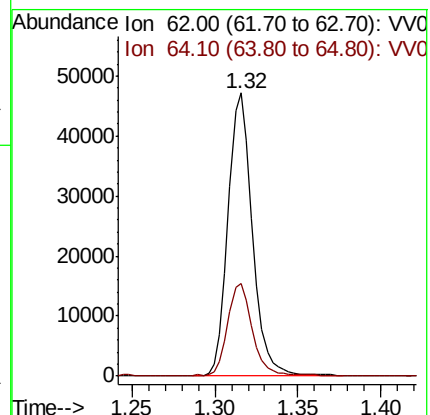
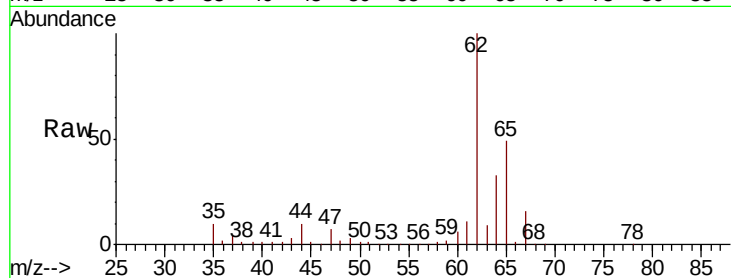
ClientSampled :

Tot Ion: 62 Resp: 48402

Ion Ratio Lower Upper

62 100

64 32.9 22.7 42.1



#6

Bromomethane

Concen: 5.896 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV015876.D

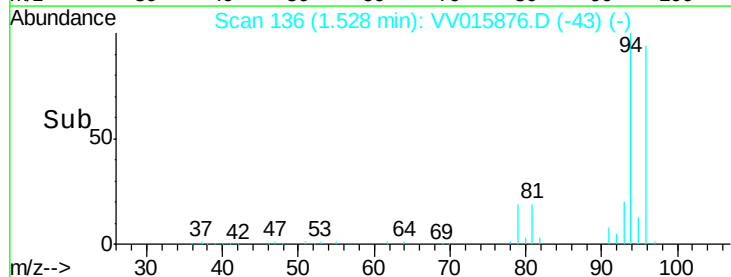
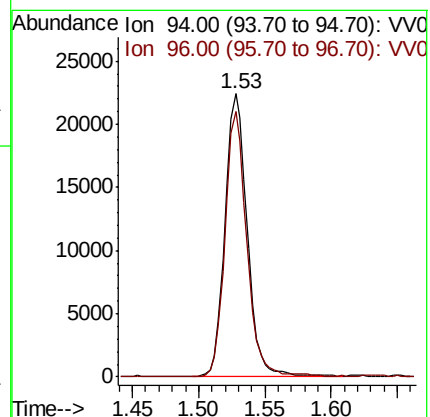
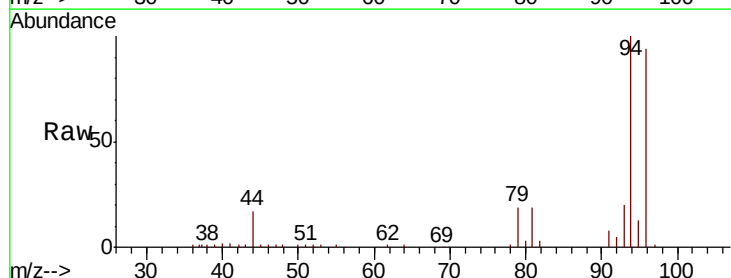
Acq: 04 May 2020 11:13

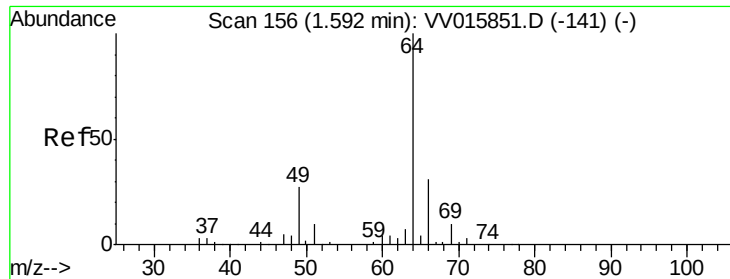
Tgt Ion: 94 Resp: 26268

Ion Ratio Lower Upper

94 100

96 94.0 67.3 125.1





#8

Chloroethane

Concen: 4.523 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV015876.D

Acq: 04 May 2020 11:13

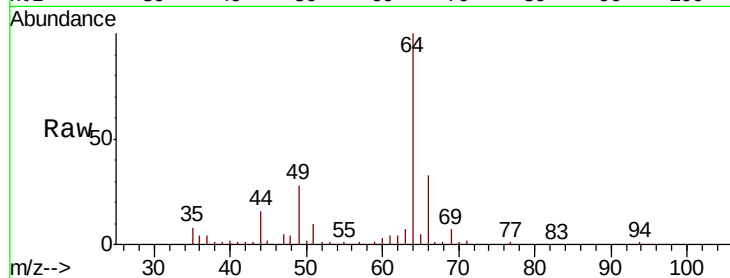
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 30823

Ion Ratio Lower Upper

64 100

66 33.2 22.3 41.5

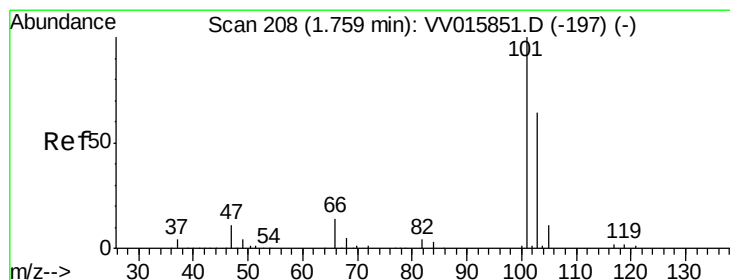
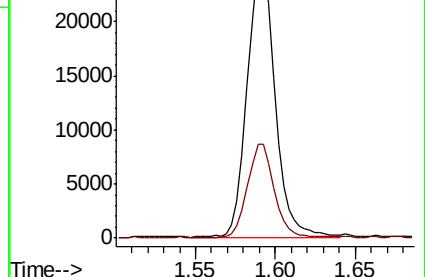
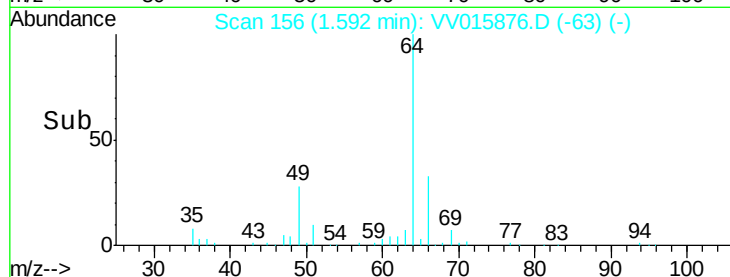


Abundance Ion 64.10 (63.80 to 64.80): VV015876.D (-63) (-)

Ion 66.05 (65.75 to 66.75): VV015876.D (-63) (-)

1.59

Time-->



#9

Trichlorofluoromethane

Concen: 4.930 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV015876.D

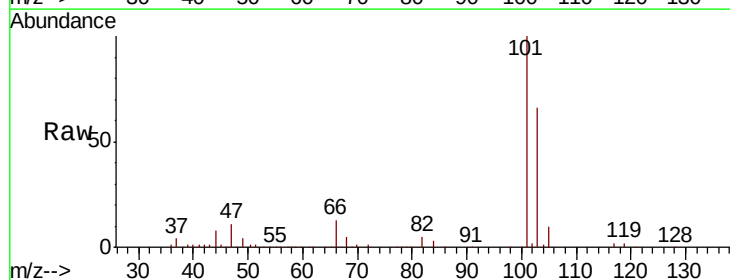
Acq: 04 May 2020 11:13

Tgt Ion: 101 Resp: 71794

Ion Ratio Lower Upper

101 100

103 65.4 52.3 78.5

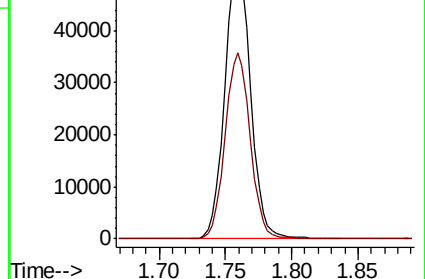
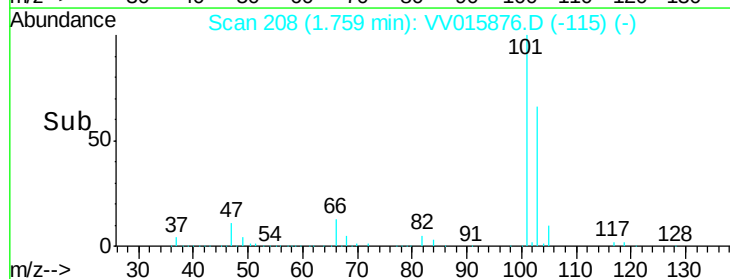


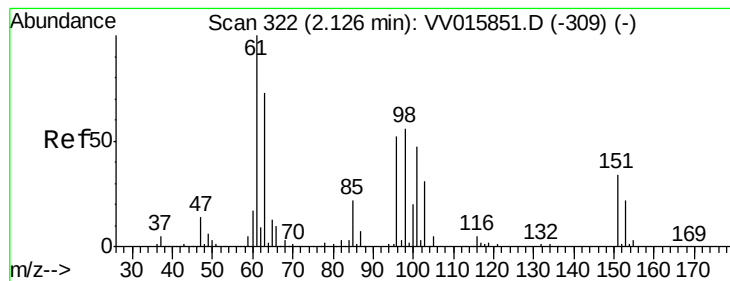
Abundance Ion 101.00 (100.70 to 101.70): VV015876.D (-115) (-)

Ion 103.00 (102.70 to 103.70): VV015876.D (-115) (-)

1.76

Time-->





#10

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

Concen: 5.043 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015876.D

Acq: 04 May 2020 11:13

Instrument :

MSVOA_V

ClientSampleId :

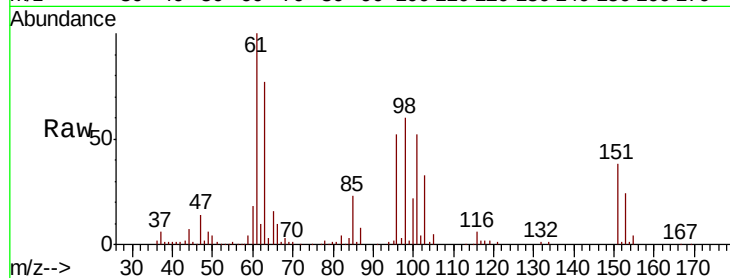
Tot Ion:101 Resp: 41549

Ion Ratio Lower Upper

101 100

85 45.2 36.1 54.1

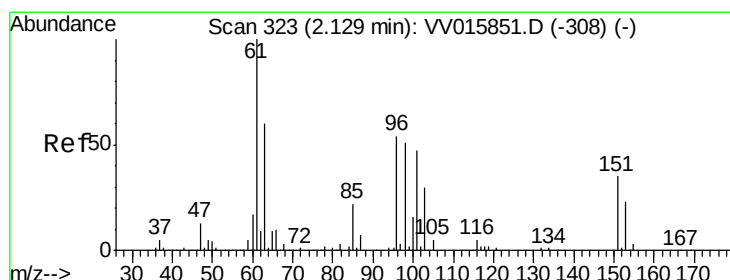
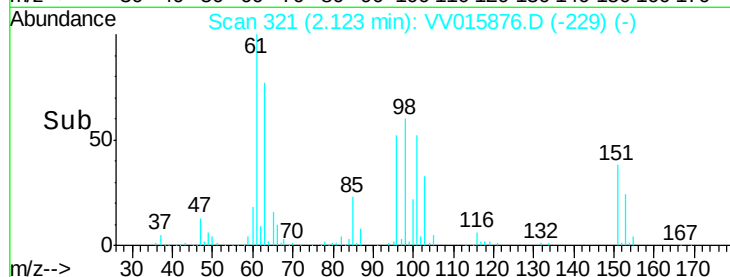
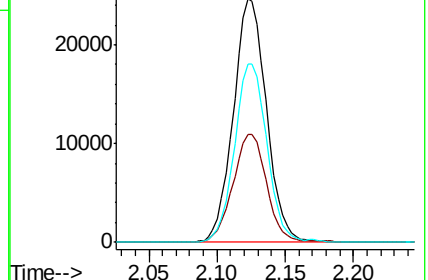
151 71.7 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): VV015851.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV015851.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV015851.D (-309) (-)



#12

1,1-Dichloroethene

Concen: 4.922 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015876.D

Acq: 04 May 2020 11:13

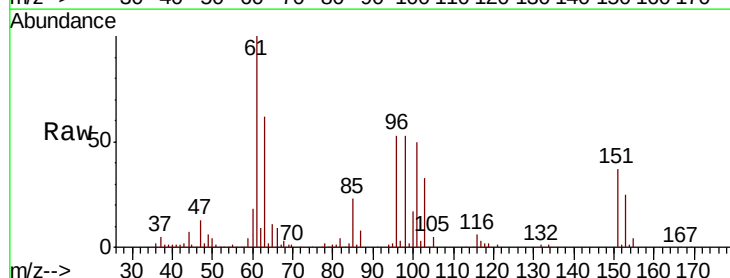
Tgt Ion: 96 Resp: 37563

Ion Ratio Lower Upper

96 100

61 187.0 130.1 241.7

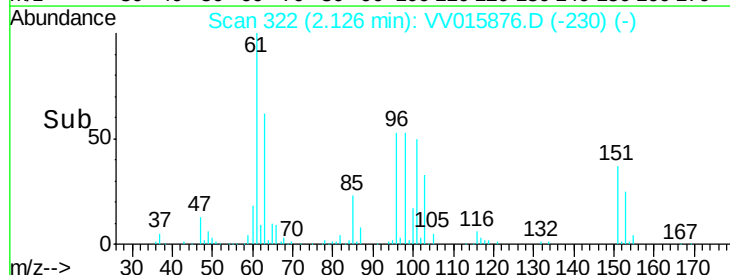
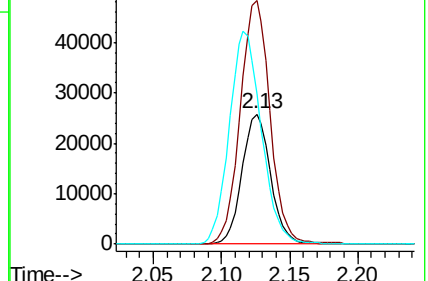
63 115.6 91.4 169.8

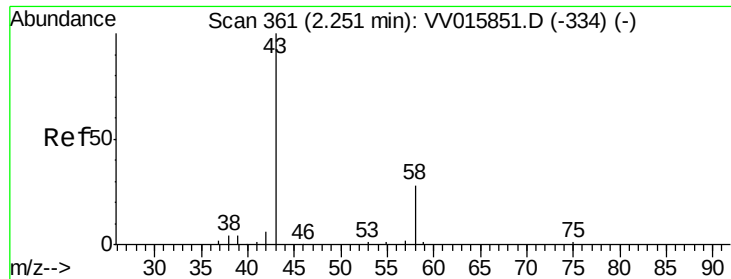


Abundance Ion 96.00 (95.70 to 96.70): VV015851.D (-308) (-)

Ion 61.05 (60.75 to 61.75): VV015851.D (-308) (-)

Ion 63.00 (62.70 to 63.70): VV015851.D (-308) (-)





#13

Acetone

Concen: 18.337 ug/L

RT: 2.25 min Scan# 360

Delta R.T. -0.00 min

Lab File: VV015876.D

Acq: 04 May 2020 11:13

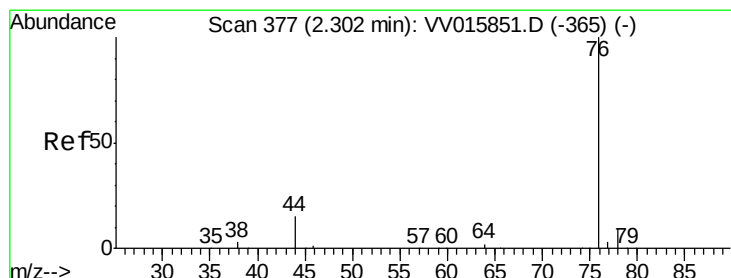
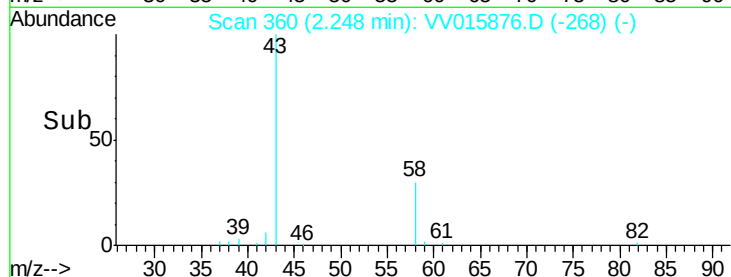
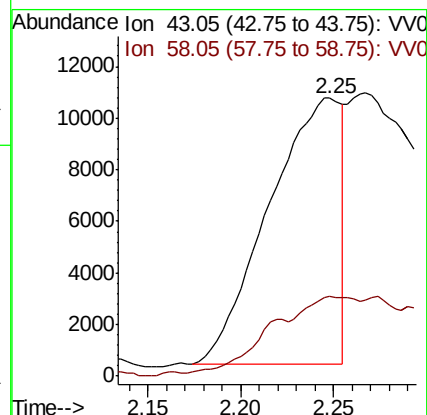
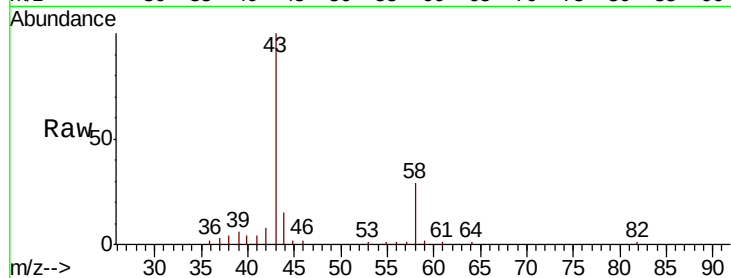
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 28015

Ion Ratio Lower Upper

43 100

58 32.7 0.0 57.6



#14

Carbon disulfide

Concen: 4.860 ug/L

RT: 2.30 min Scan# 376

Delta R.T. -0.00 min

Lab File: VV015876.D

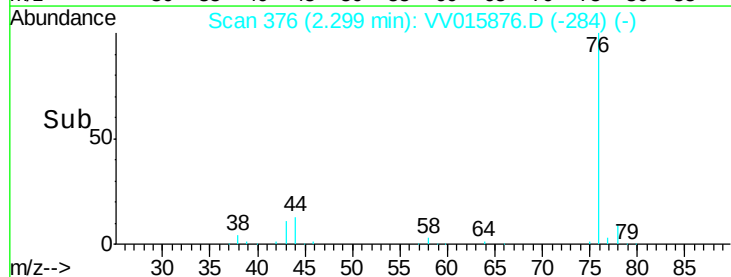
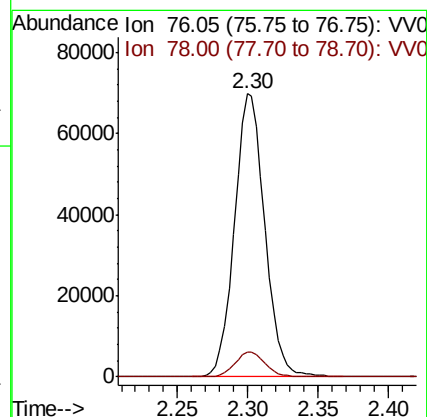
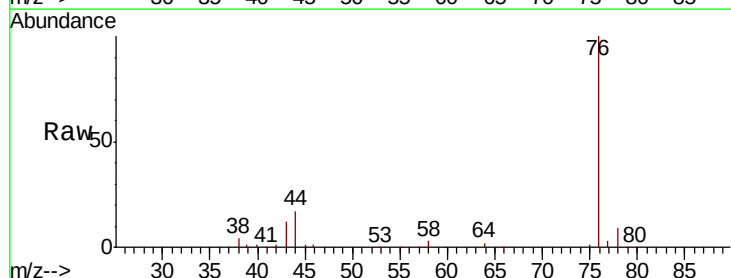
Acq: 04 May 2020 11:13

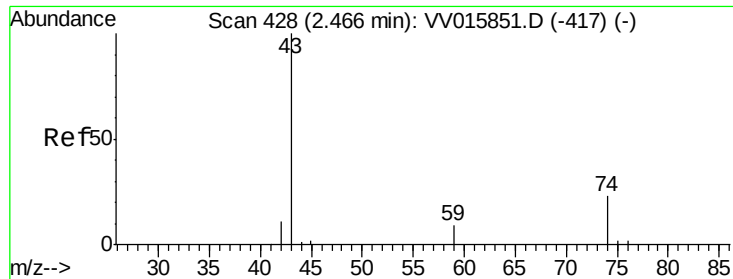
Tgt Ion: 76 Resp: 104857

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

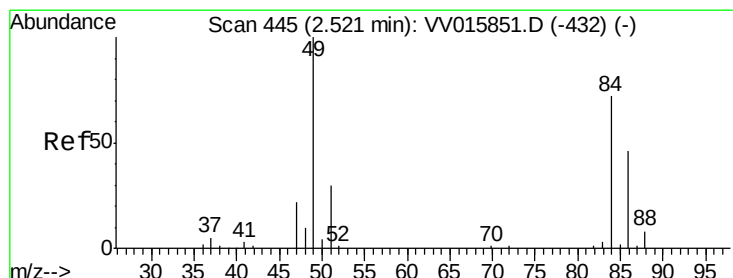
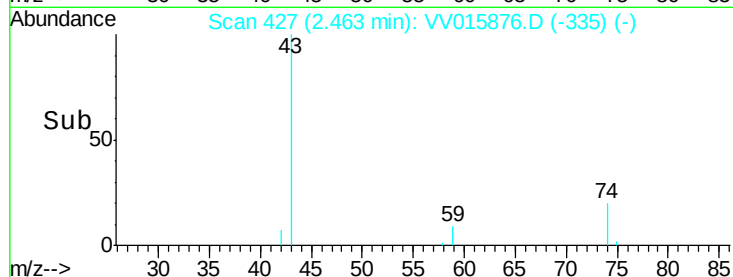
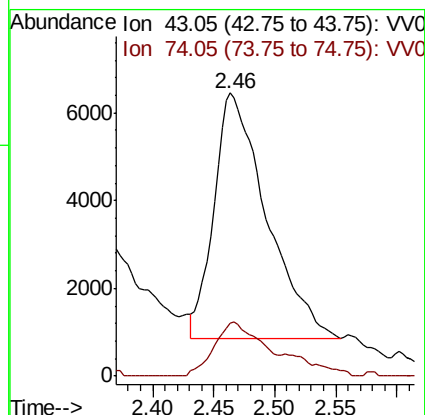
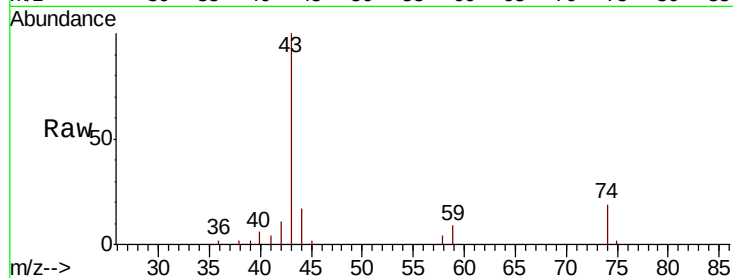




#15
Methvl Acetate
Concen: 4.612 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VV015876.D
Acq: 04 May 2020 11:13

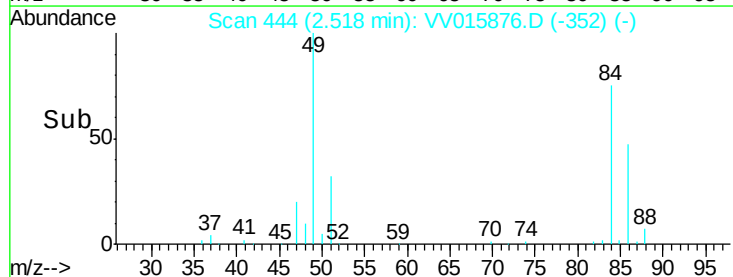
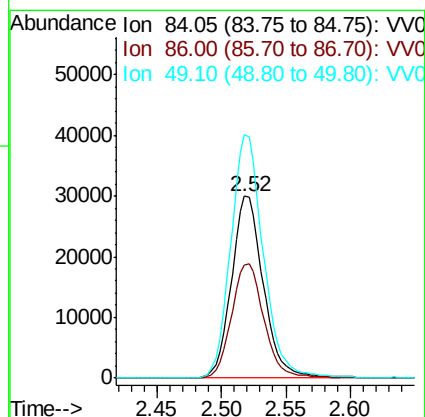
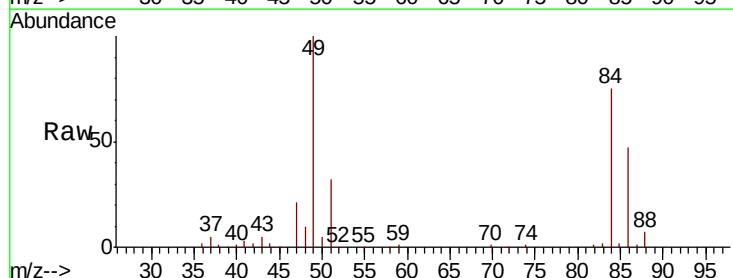
Instrument :
MSVOA_V
ClientSampleId :

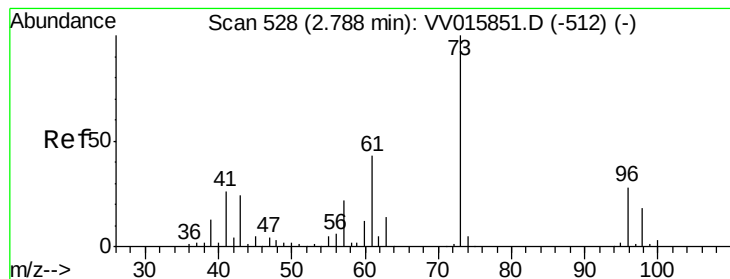
Tot Ion: 43 Resp: 16756
Ion Ratio Lower Upper
43 100
74 19.9 16.3 24.5



#16
Methylene chloride
Concen: 5.460 ug/L
RT: 2.52 min Scan# 444
Delta R.T. -0.00 min
Lab File: VV015876.D
Acq: 04 May 2020 11:13

Tgt Ion: 84 Resp: 51447
Ion Ratio Lower Upper
84 100
86 62.2 45.1 83.7
49 133.8 94.4 175.4





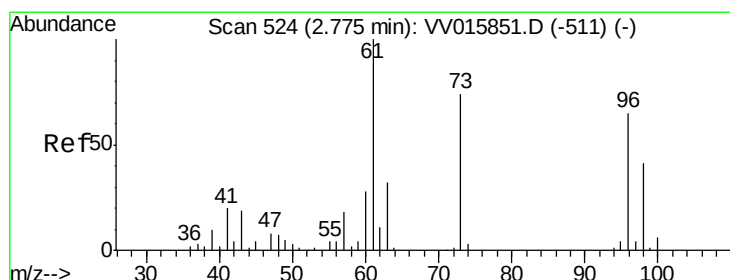
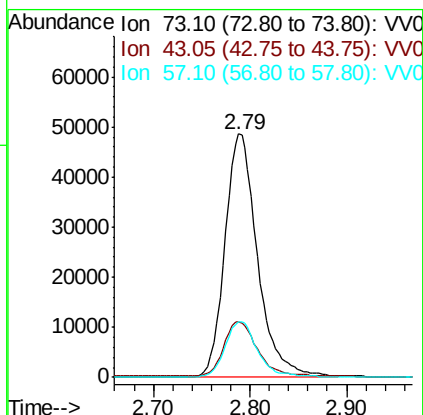
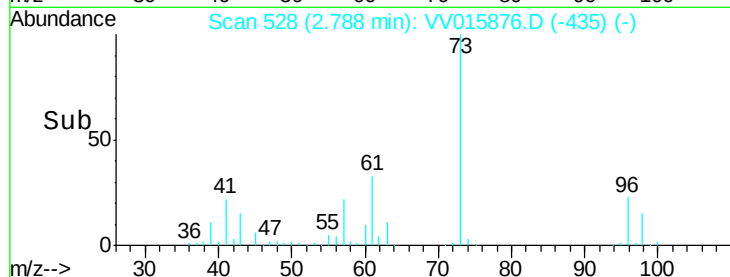
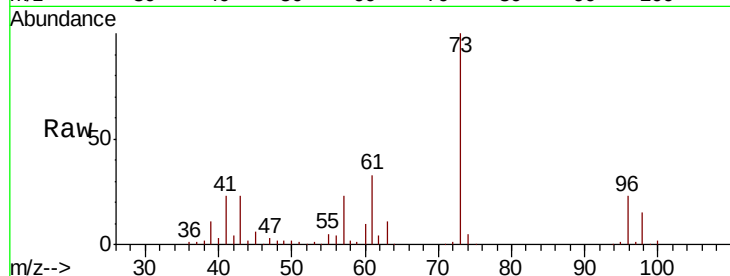
#17

Methyl tert-butyl Ether
 Concen: 5.320 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VV015876.D
 Acq: 04 May 2020 11:13

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 73 Resp: 113967

Ion	Ratio	Lower	Upper
73	100		
43	22.5	20.1	30.1
57	23.1	17.8	26.8

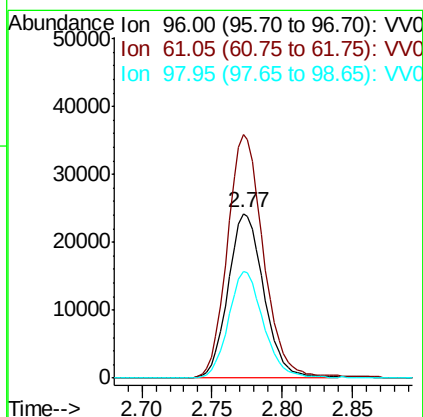
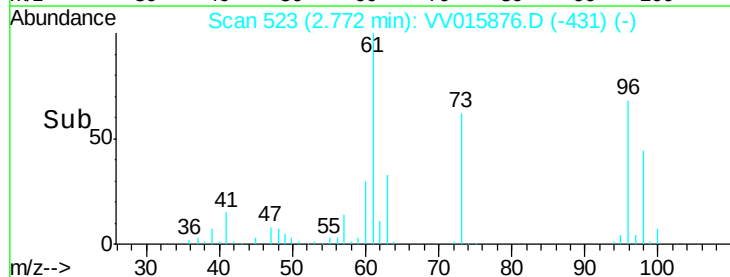
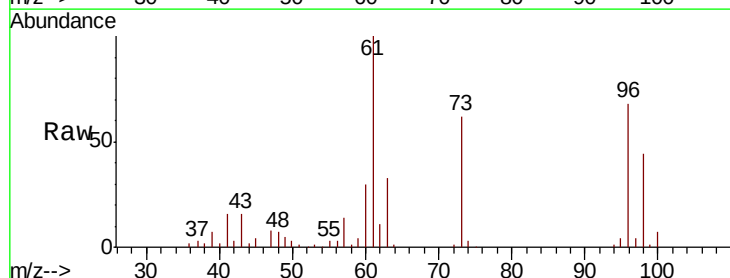


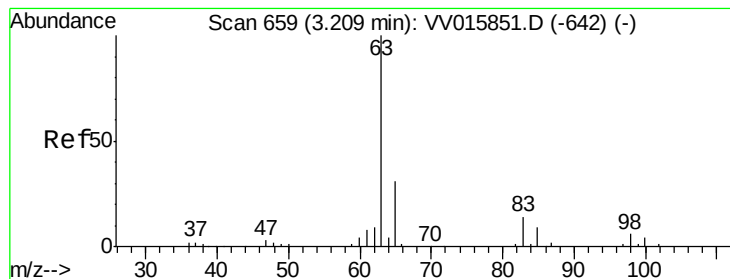
#18

trans-1,2-Dichloroethene
 Concen: 5.040 ug/L
 RT: 2.77 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VV015876.D
 Acq: 04 May 2020 11:13

Tgt Ion: 96 Resp: 43064

Ion	Ratio	Lower	Upper
96	100		
61	148.1	105.5	195.9
98	65.2	44.2	82.0





#19

1,1-Dichloroethane

Concen: 5.221 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV015876.D

Acq: 04 May 2020 11:13

Instrument :

MSVOA_V

ClientSampleId :

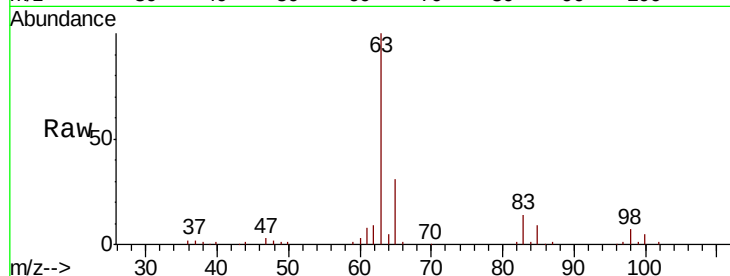
Tot Ion: 63 Resp: 87602

Ion Ratio Lower Upper

63 100

65 31.5 22.3 41.3

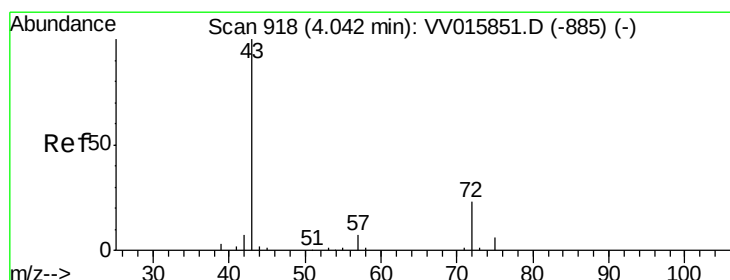
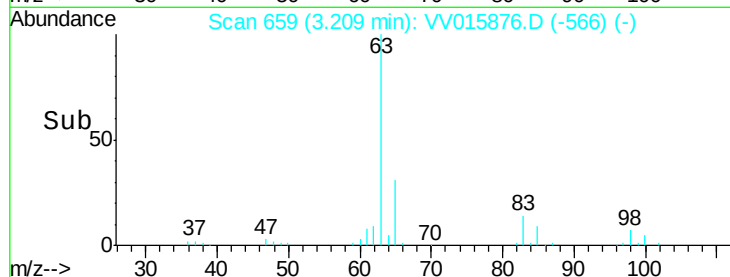
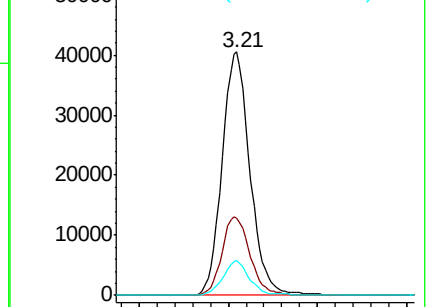
83 14.3 9.3 17.3



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: 48.932 ug/L

RT: 4.04 min Scan# 917

Delta R.T. -0.00 min

Lab File: VV015876.D

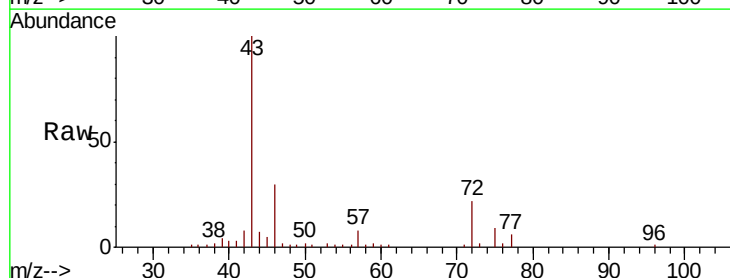
Acq: 04 May 2020 11:13

Tgt Ion: 43 Resp: 115312

Ion Ratio Lower Upper

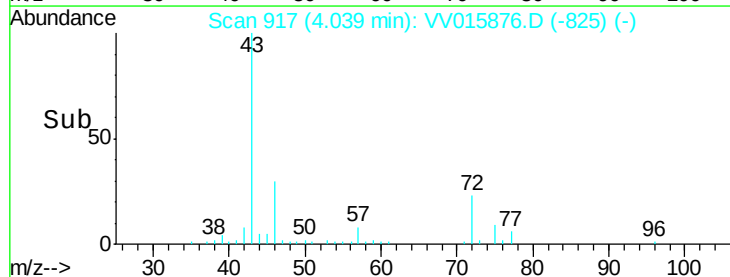
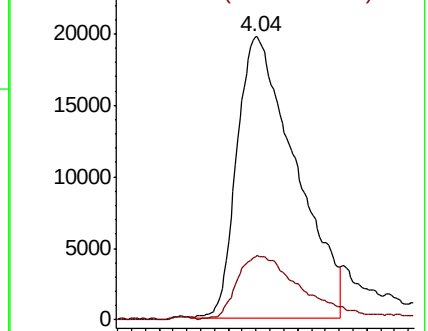
43 100

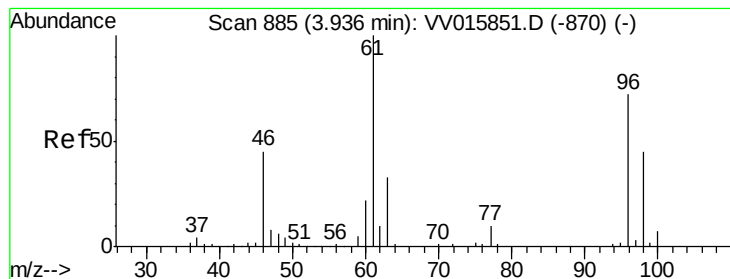
72 24.5 12.3 36.9



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: 4.913 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV015876.D

Acq: 04 May 2020 11:13

Instrument :
MSVOA_V
ClientSampleId :

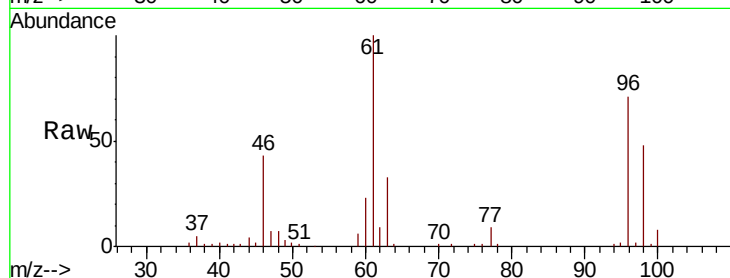
Tot Ion: 96 Resp: 46413

Ion Ratio Lower Upper

96 100

61 140.8 96.4 179.0

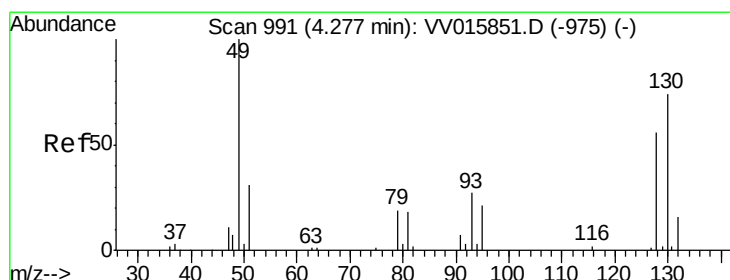
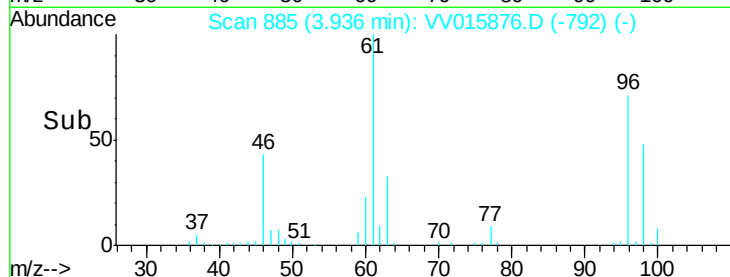
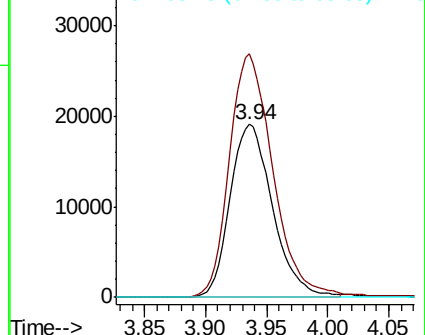
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV015876.D (-792) (-)

Ion 61.05 (60.75 to 61.75): VV015876.D (-792) (-)

Ion 68.15 (67.85 to 68.85): VV015876.D (-792) (-)



#23

Bromochloromethane

Concen: 5.058 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV015876.D

Acq: 04 May 2020 11:13

Tgt Ion:128 Resp: 19520

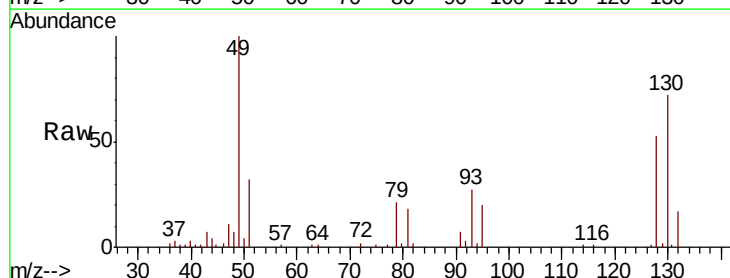
Ion Ratio Lower Upper

128 100

49 187.8 130.8 242.8

130 135.5 91.1 169.3

51 59.3 45.2 67.8

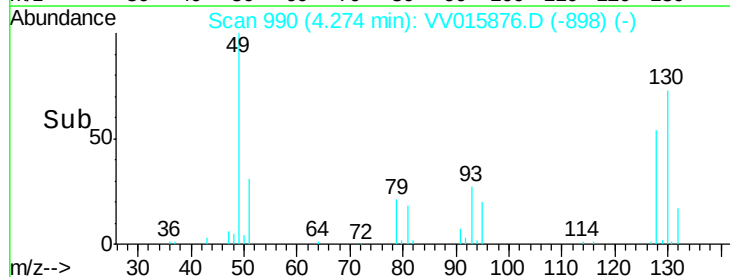
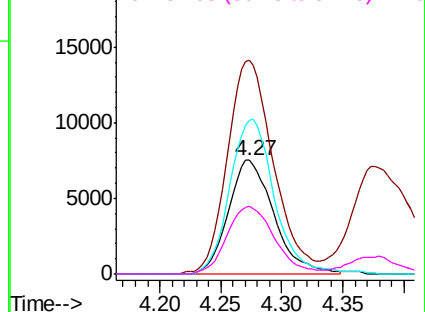


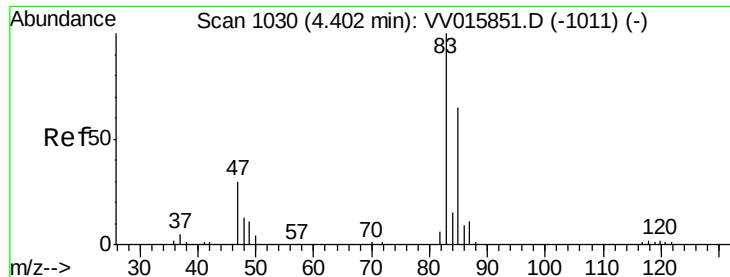
Abundance Ion 127.90 (127.60 to 128.60): VV015876.D (-898) (-)

Ion 49.10 (48.80 to 49.80): VV015876.D (-898) (-)

Ion 129.95 (129.65 to 130.65): VV015876.D (-898) (-)

Ion 51.05 (50.75 to 51.75): VV015876.D (-898) (-)

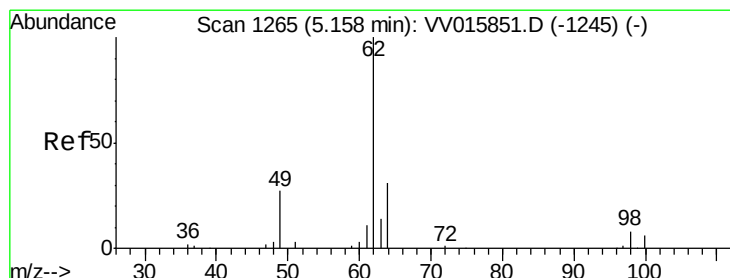
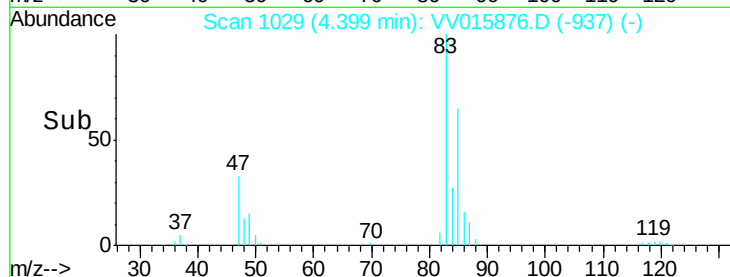
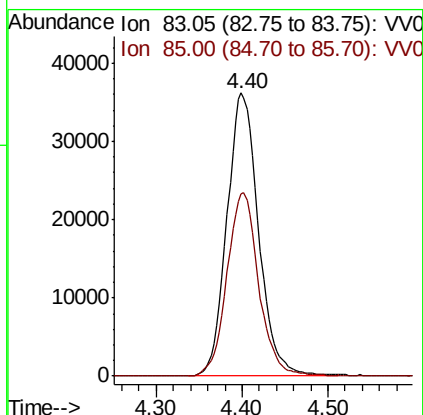
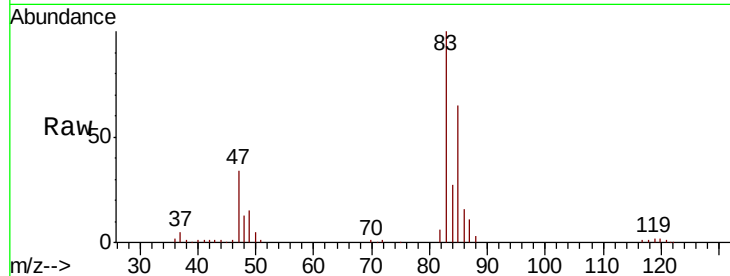




#25
Chloroform
Concen: 5.200 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV015876.D
Acq: 04 May 2020 11:13

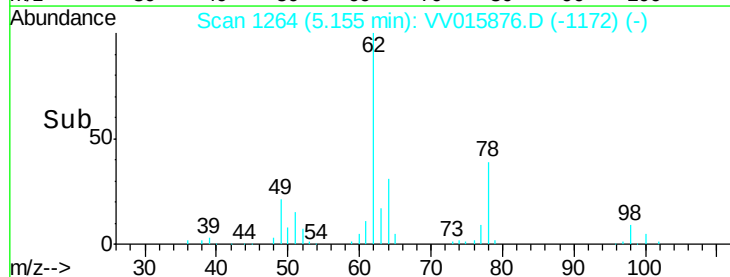
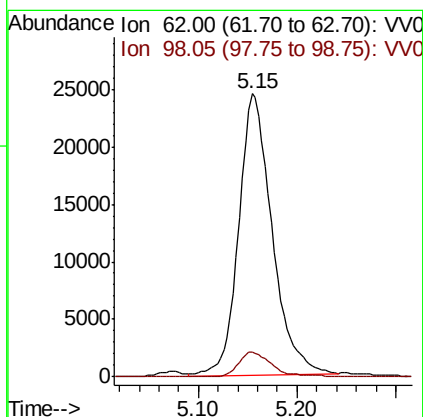
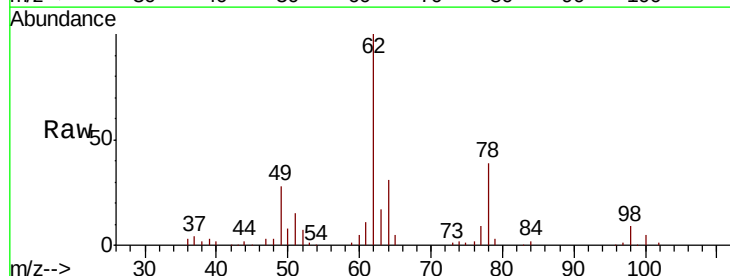
Instrument :
MSVOA_V
ClientSampleId :

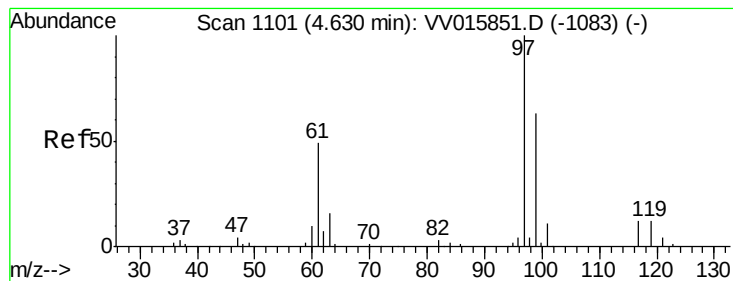
Tot Ion: 83 Resp: 92623
Ion Ratio Lower Upper
83 100
85 64.5 46.1 85.5



#27
1,2-Dichloroethane
Concen: 4.889 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV015876.D
Acq: 04 May 2020 11:13

Tgt Ion: 62 Resp: 57215
Ion Ratio Lower Upper
62 100
98 8.9 6.3 9.5





#29

1,1,1-Trichloroethane

Concen: 5.143 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV015876.D

Acq: 04 May 2020 11:13

Instrument :
MSVOA_V
ClientSampleId :

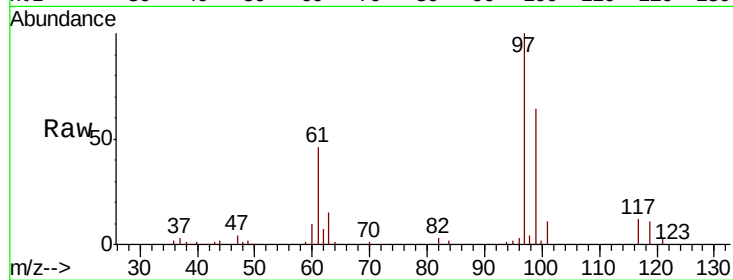
Tot Ion: 97 Resp: 80897

Ion Ratio Lower Upper

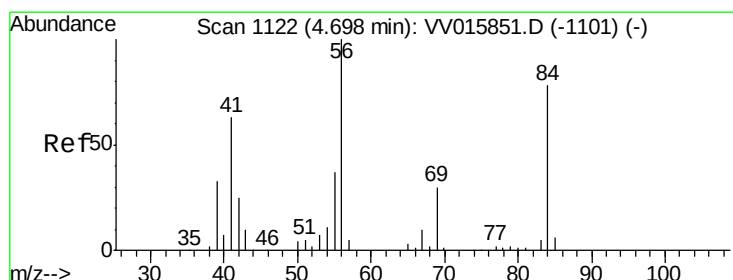
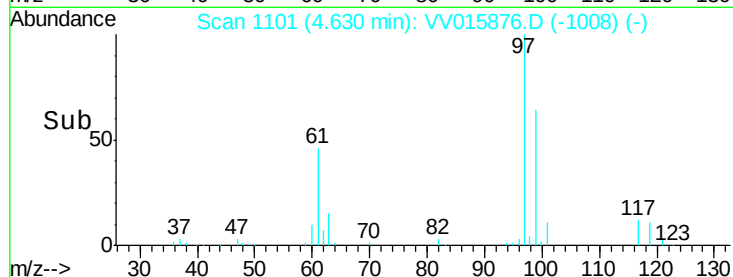
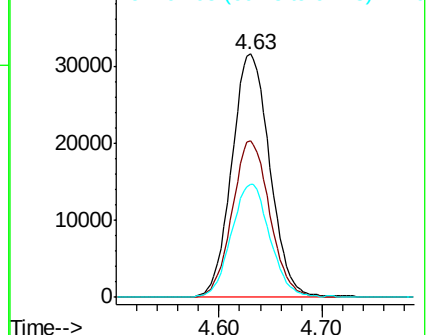
97 100

99 63.6 51.6 77.4

61 47.1 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: 5.004 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VV015876.D

Acq: 04 May 2020 11:13

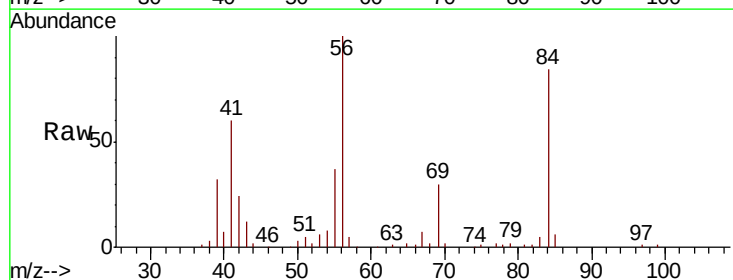
Tgt Ion: 56 Resp: 75203

Ion Ratio Lower Upper

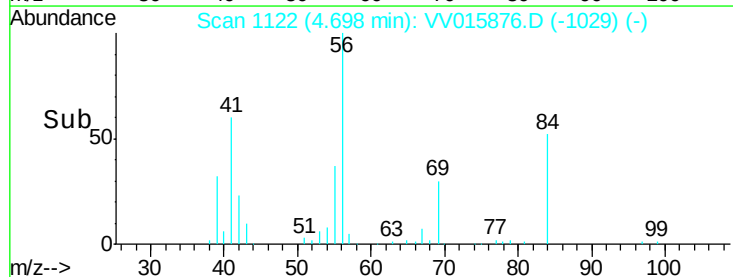
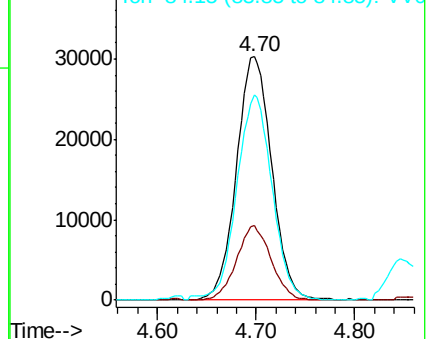
56 100

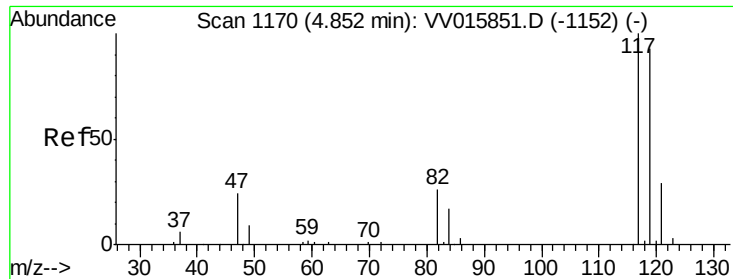
69 29.9 23.9 35.9

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: 5.236 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV015876.D

Acq: 04 May 2020 11:13

Instrument :

MSVOA_V

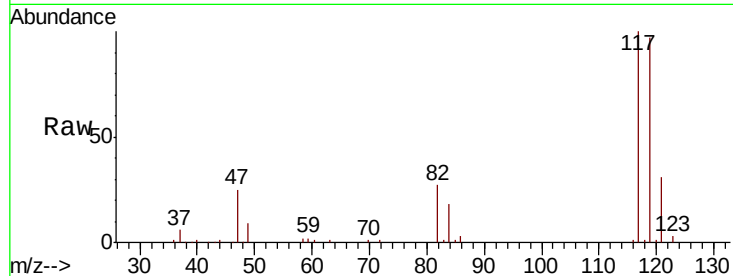
ClientSampleId :

Tot Ion:117 Resp: 68217

Ion Ratio Lower Upper

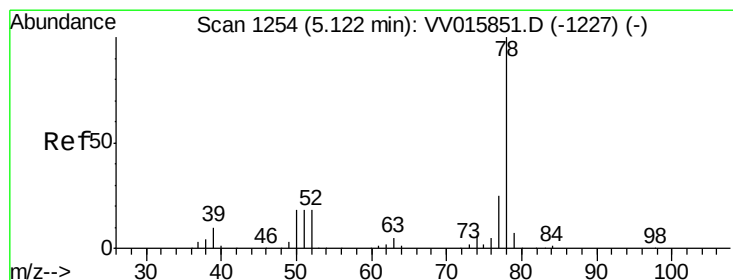
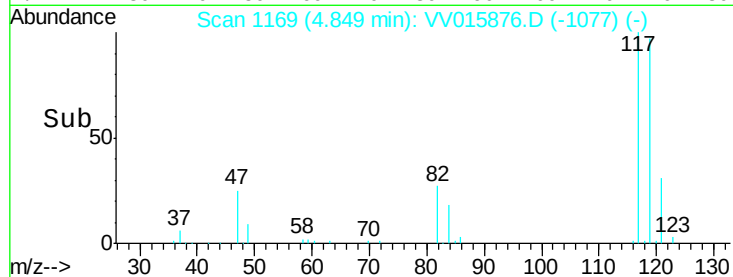
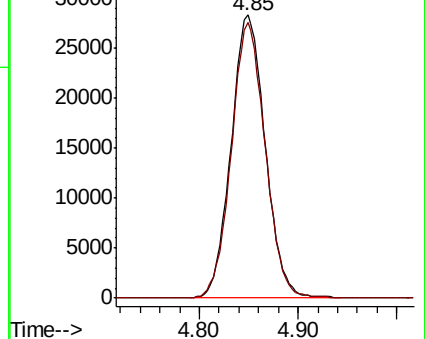
117 100

119 96.4 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: 5.049 ug/L

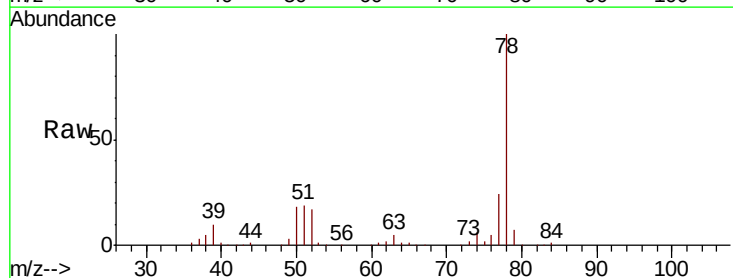
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

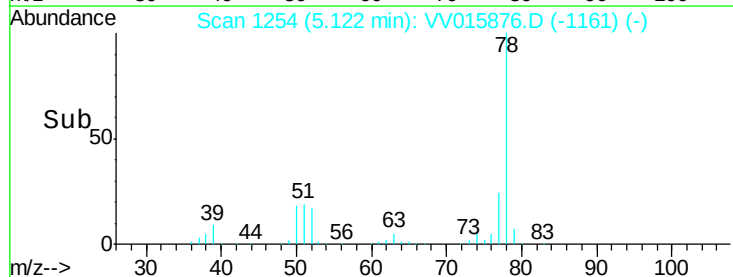
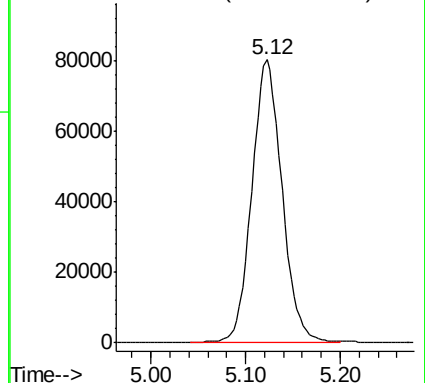
Lab File: VV015876.D

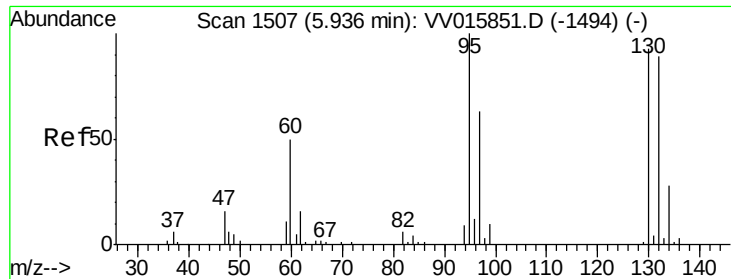
Acq: 04 May 2020 11:13

Tgt Ion: 78 Resp: 178919



Abundance Ion 78.10 (77.80 to 78.80): VV0

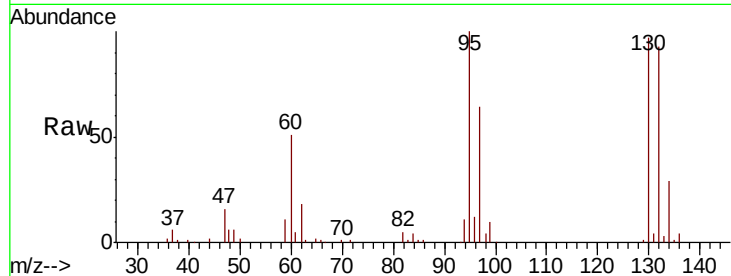




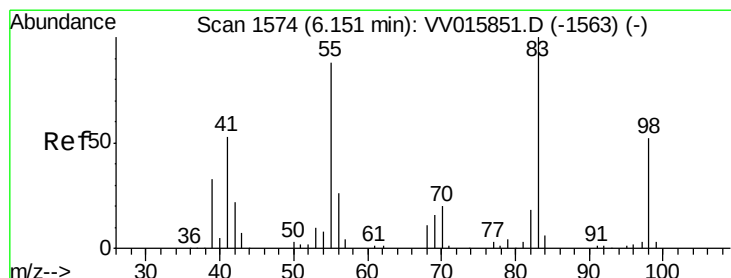
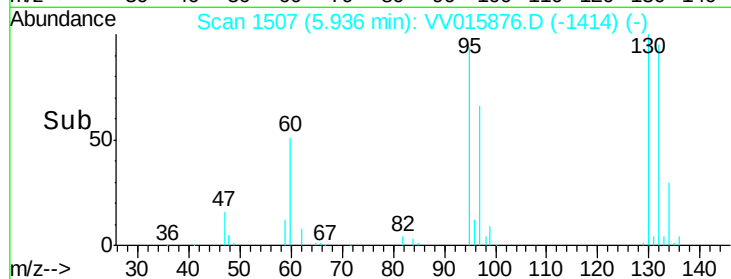
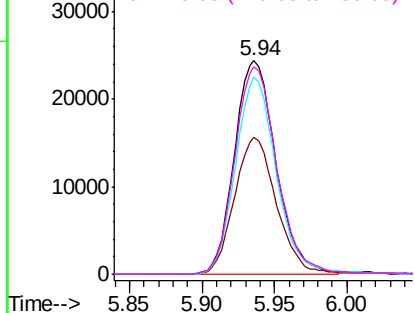
#34
 Trichloroethene
 Concen: 4.973 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV015876.D
 Acq: 04 May 2020 11:13

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 48671
 Ion Ratio Lower Upper
 95 100
 97 64.0 44.7 82.9
 132 92.5 65.2 121.0
 130 97.2 65.0 120.6

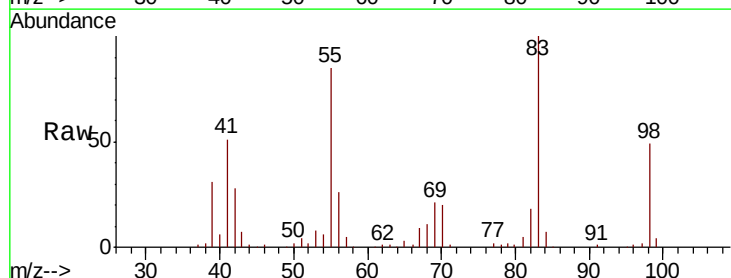


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

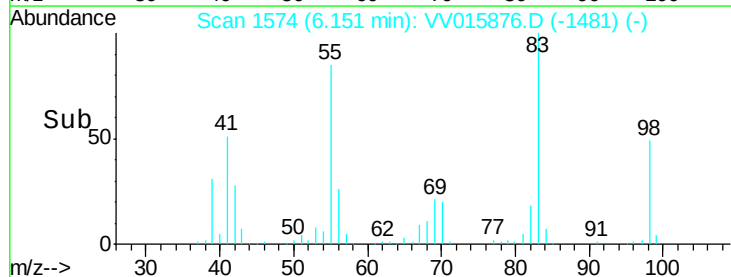
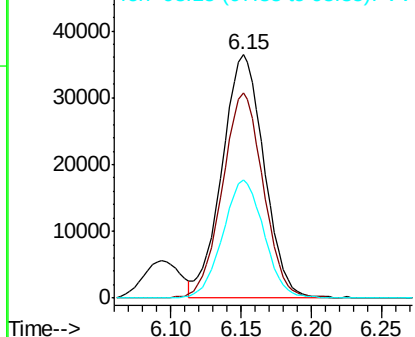


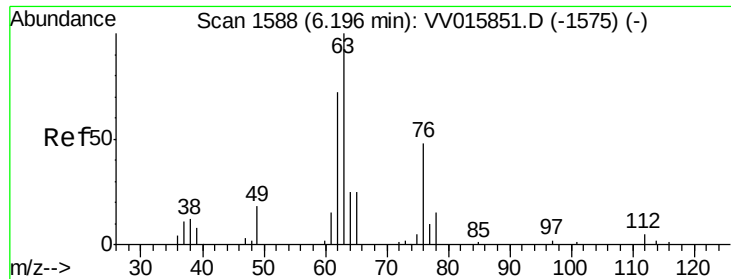
#35
 Methylcyclohexane
 Concen: 5.014 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VV015876.D
 Acq: 04 May 2020 11:13

Tgt Ion: 83 Resp: 75313
 Ion Ratio Lower Upper
 83 100
 55 83.0 66.6 99.8
 98 47.8 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

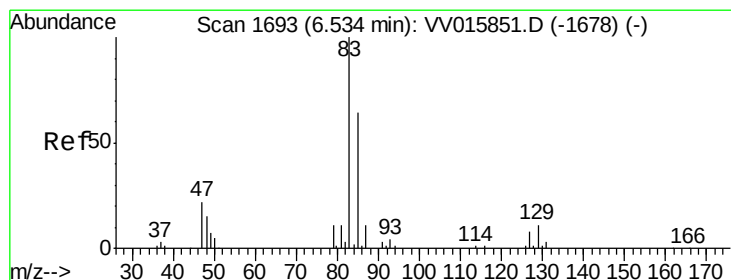
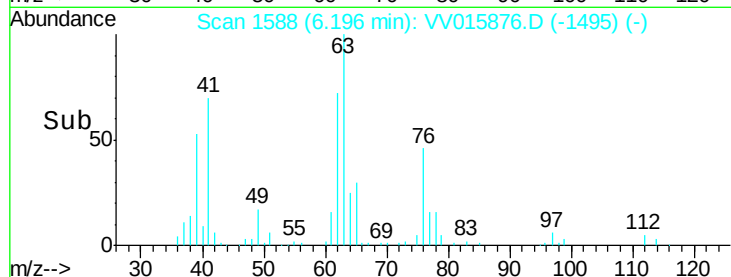
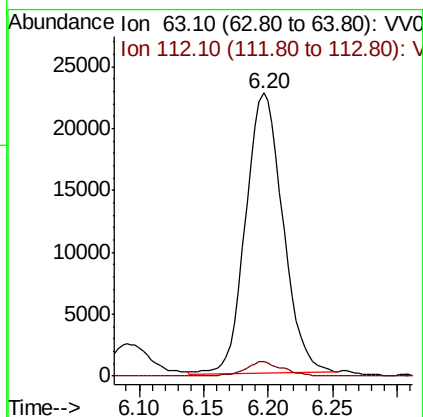
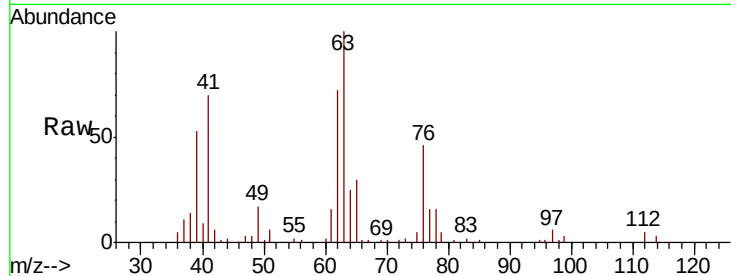




#37
 1,2-Dichloropropane
 Concen: 5.065 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV015876.D
 Acq: 04 May 2020 11:13

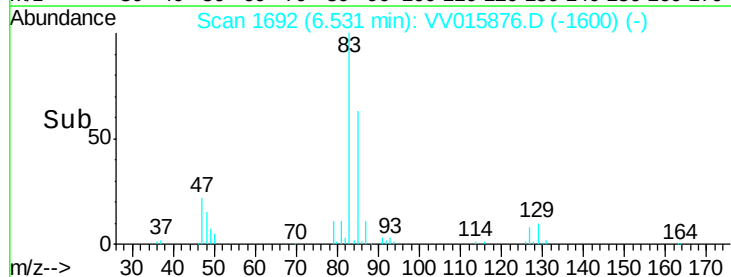
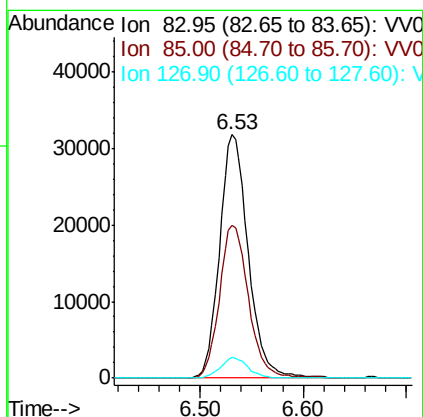
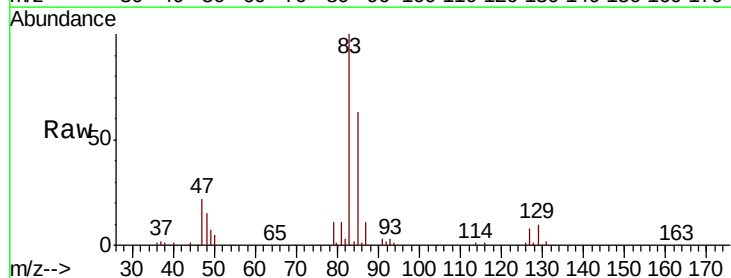
Instrument :
 MSVOA_V
 ClientSampled :

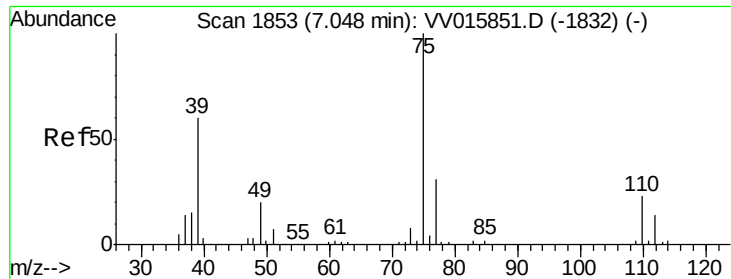
Tot Ion: 63 Resp: 45631
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.359 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV015876.D
 Acq: 04 May 2020 11:13

Tgt Ion: 83 Resp: 61303
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.7 83.1
 127 8.4 5.8 8.6

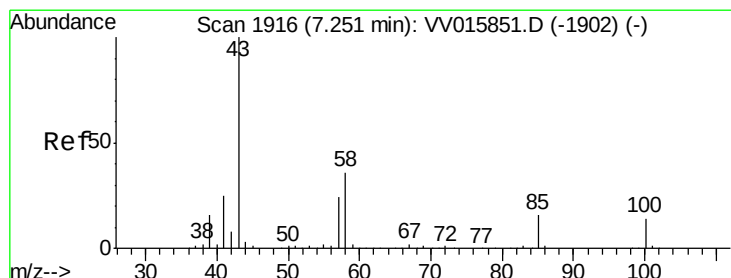
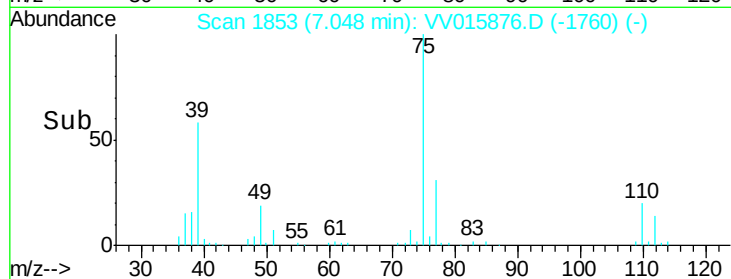
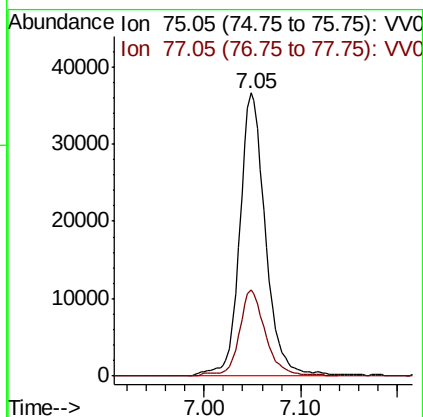
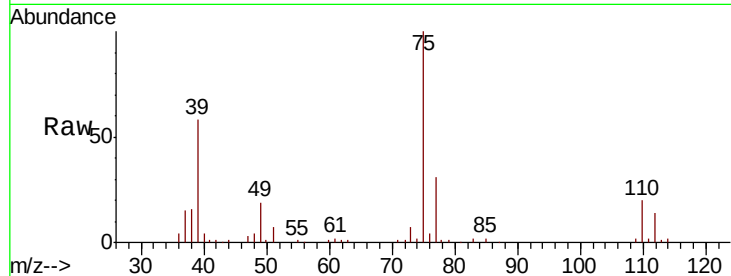




#39
 cis-1,3-Dichloropropene
 Concen: 5.382 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015876.D
 Acq: 04 May 2020 11:13

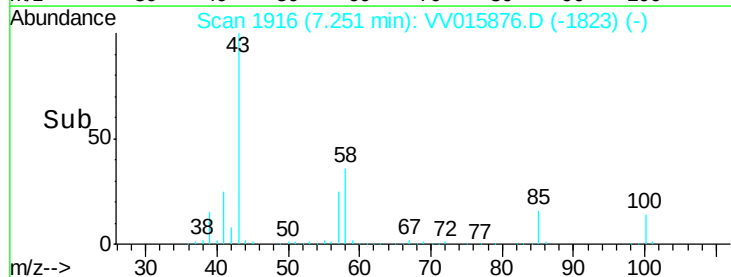
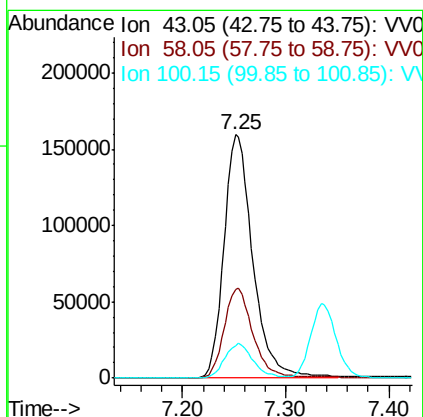
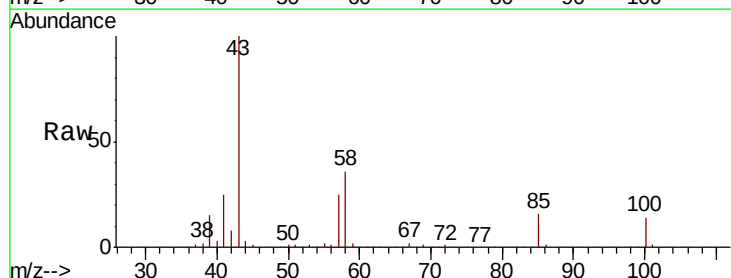
Instrument :
 MSVOA_V
 ClientSampleId :

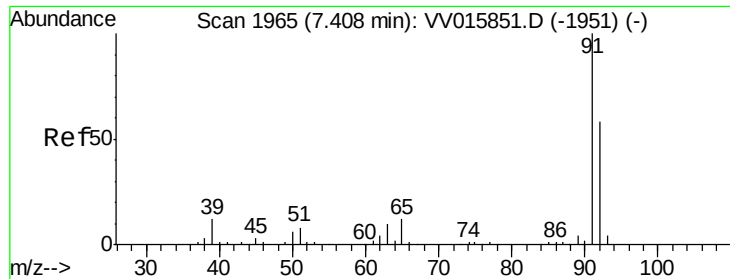
Tot Ion: 75 Resp: 67582
 Ion Ratio Lower Upper
 75 100
 77 30.5 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 53.288 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV015876.D
 Acq: 04 May 2020 11:13

Tgt Ion: 43 Resp: 311538
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.2 43.8
 100 13.9 11.4 17.2





#42

Toluene

Concen: 5.056 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015876.D

Acq: 04 May 2020 11:13

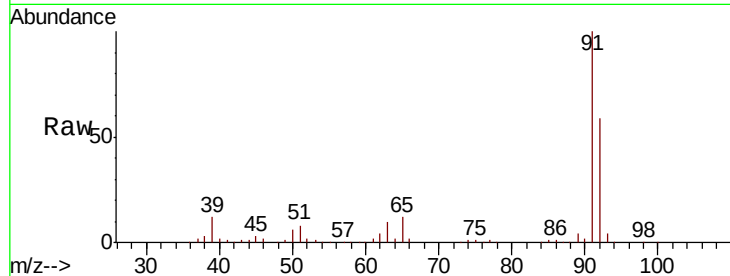
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 191445

Ion Ratio Lower Upper

91 100

92 58.5 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV015851.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV015851.D (-1951) (-)

7.41

120000

100000

80000

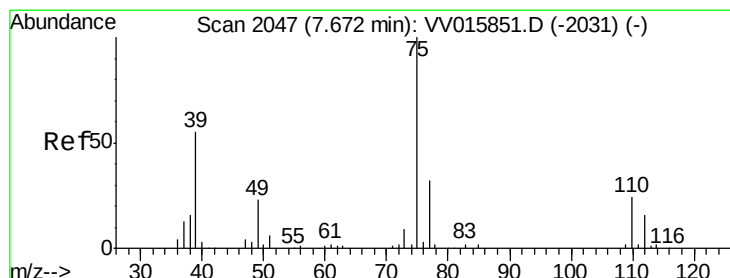
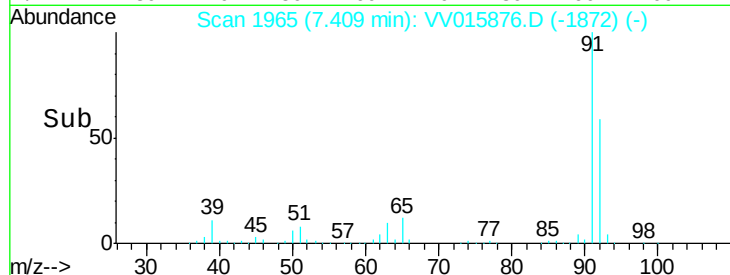
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.446 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015876.D

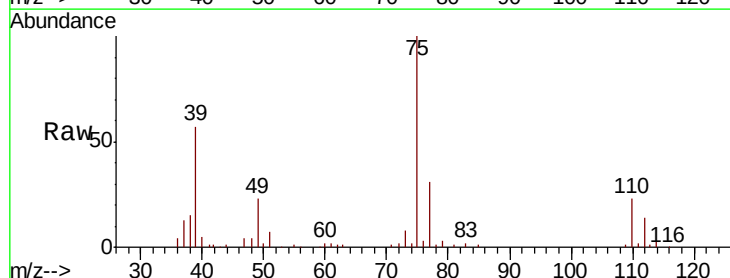
Acq: 04 May 2020 11:13

Tgt Ion: 75 Resp: 57469

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV015851.D (-2031) (-)

Ion 77.05 (76.75 to 77.75): VV015851.D (-2031) (-)

7.67

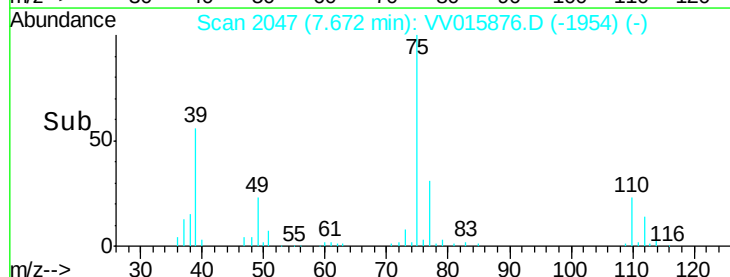
30000

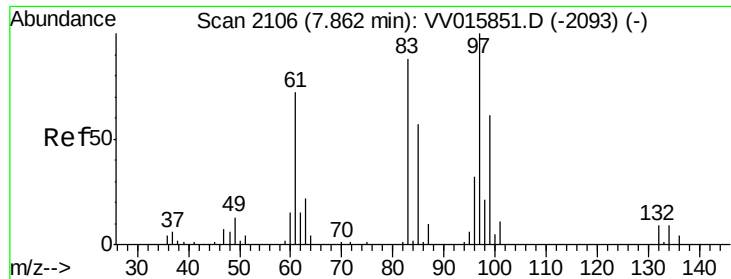
20000

10000

0

Time-->

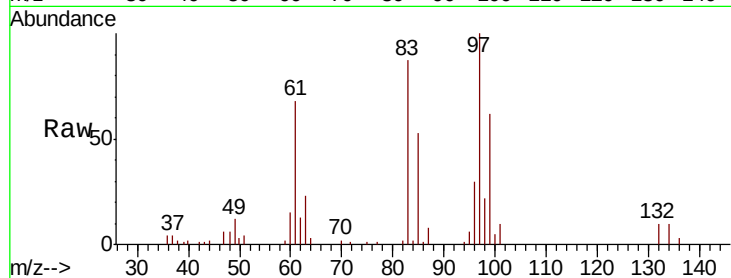




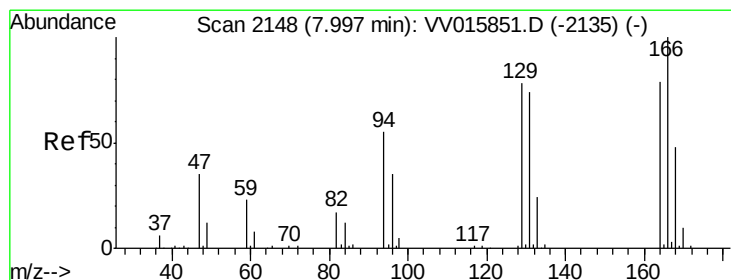
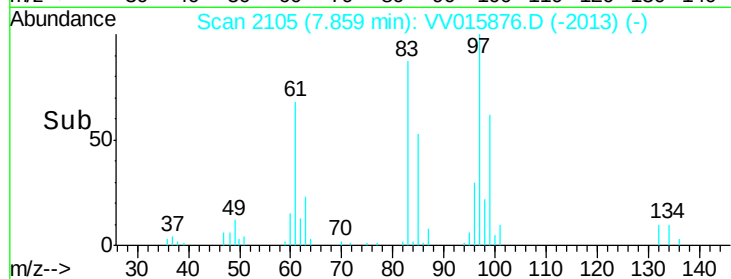
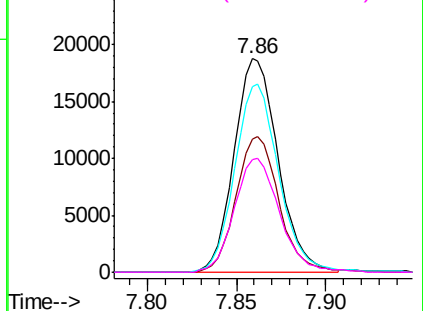
#45
 1,1,2-Trichloroethane
 Concen: 5.256 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV015876.D
 Acq: 04 May 2020 11:13

Instrument :
 MSVOA_V
 ClientSampleID :

Tot Ion:	97	Resp:	32268
Ion	Ratio	Lower	Upper
97	100		
99	62.2	45.4	84.4
83	86.7	61.3	113.9
85	53.0	38.4	71.4

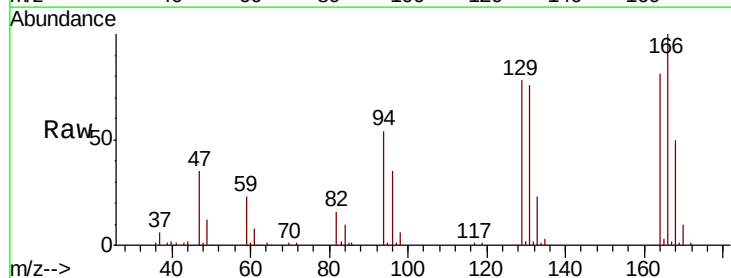


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

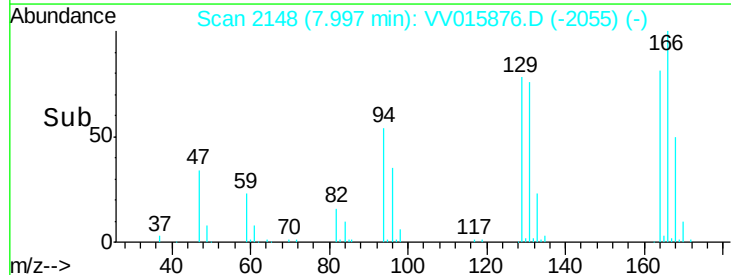
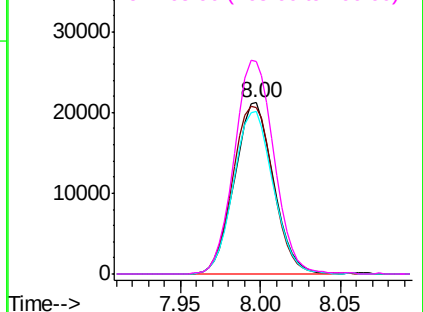


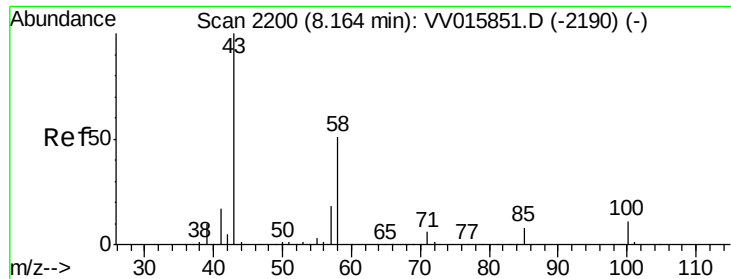
#47
 Tetrachloroethene
 Concen: 5.003 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015876.D
 Acq: 04 May 2020 11:13

Tgt Ion:	164	Resp:	35256
Ion	Ratio	Lower	Upper
164	100		
129	97.5	66.7	123.9
131	94.5	66.6	123.6
166	124.2	85.3	158.5



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

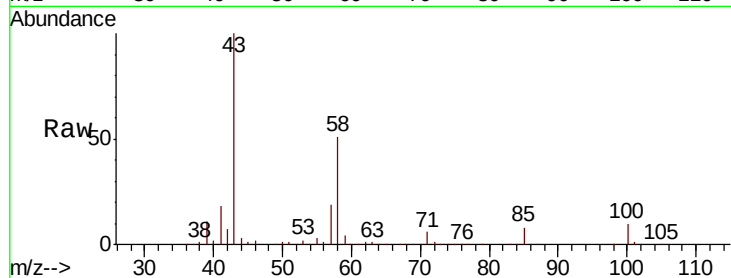




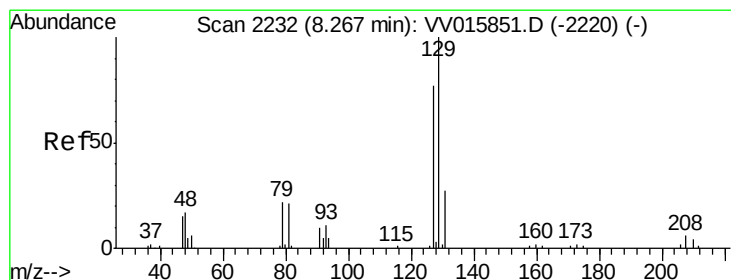
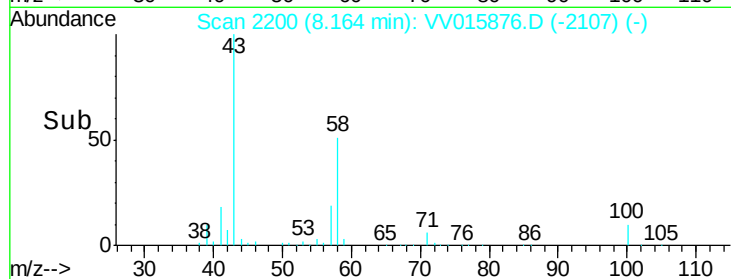
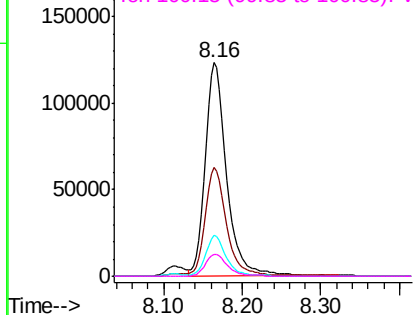
#48
2-Hexanone
Concen: 55.055 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015876.D
Acq: 04 May 2020 11:13

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 229531
Ion Ratio Lower Upper
43 100
58 50.8 41.1 61.7
57 18.2 15.0 22.4
100 10.7 9.0 13.4

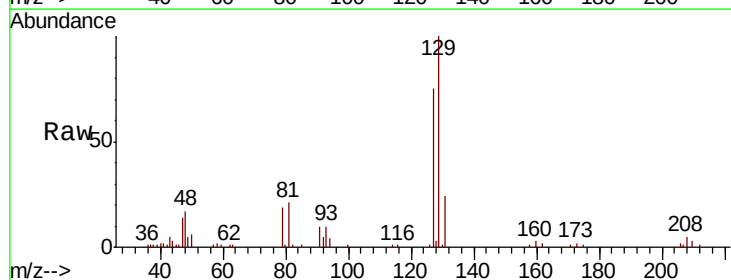


Abundance Ion 43.05 (42.75 to 43.75): VV015876.D (-2107) (-)
Ion 58.05 (57.75 to 58.75): VV015876.D (-2107) (-)
Ion 57.20 (56.90 to 57.90): VV015876.D (-2107) (-)
Ion 100.15 (99.85 to 100.85): VV015876.D (-2107) (-)

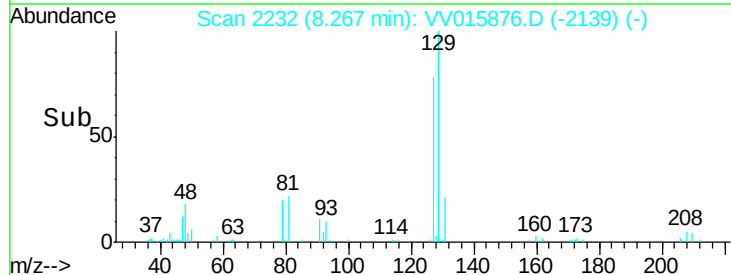
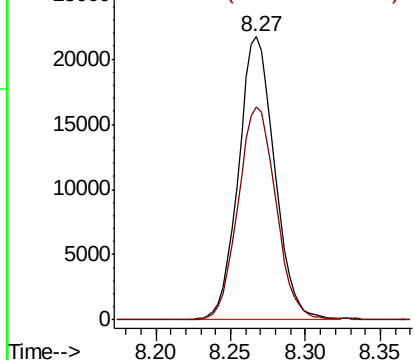


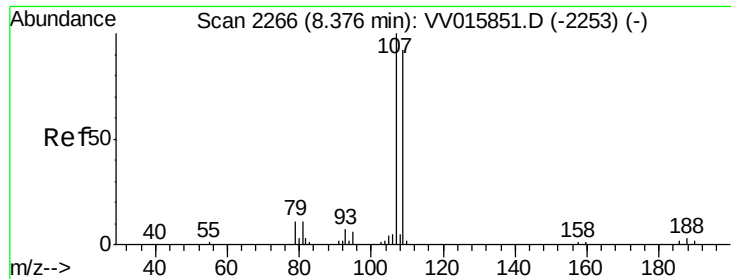
#49
Dibromochloromethane
Concen: 5.757 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015876.D
Acq: 04 May 2020 11:13

Tgt Ion: 129 Resp: 36579
Ion Ratio Lower Upper
129 100
127 75.3 52.6 97.8



Abundance Ion 128.95 (128.65 to 129.65): VV015876.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV015876.D (-2139) (-)

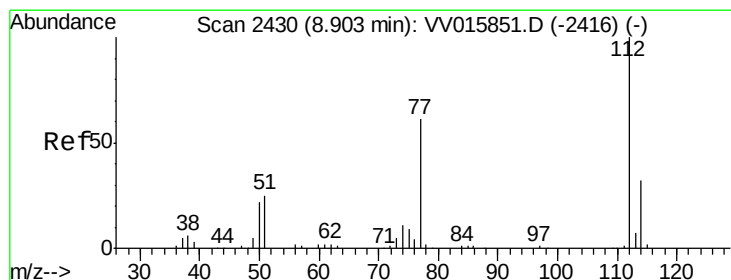
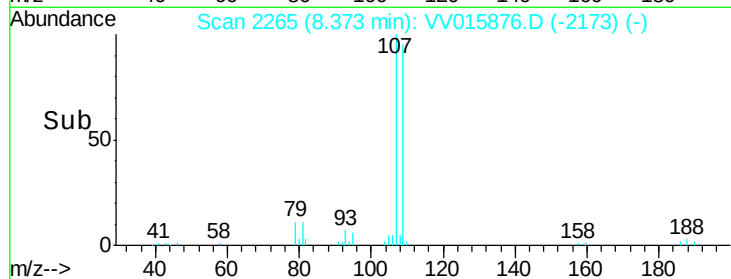
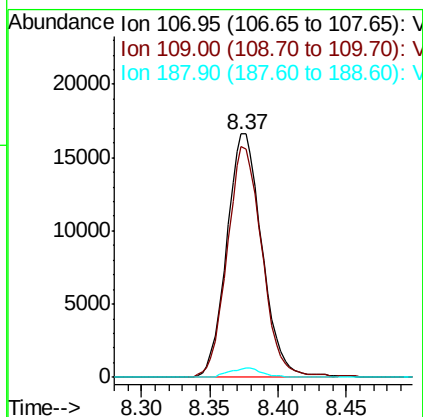
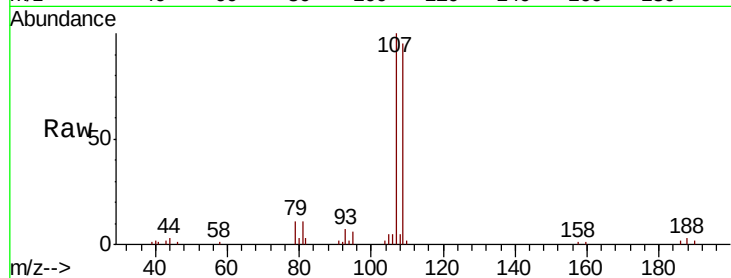




#50
1,2-Dibromoethane
Concen: 5.277 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV015876.D
Acq: 04 May 2020 11:13

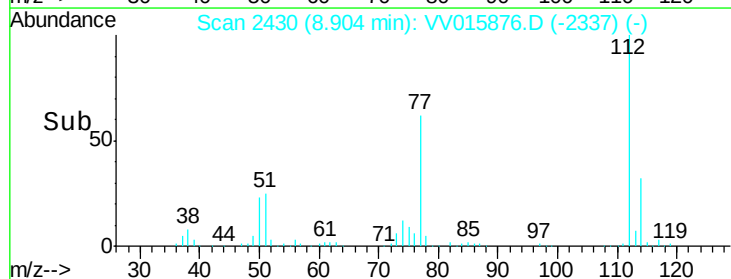
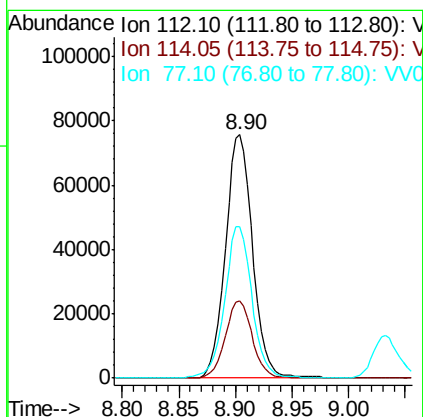
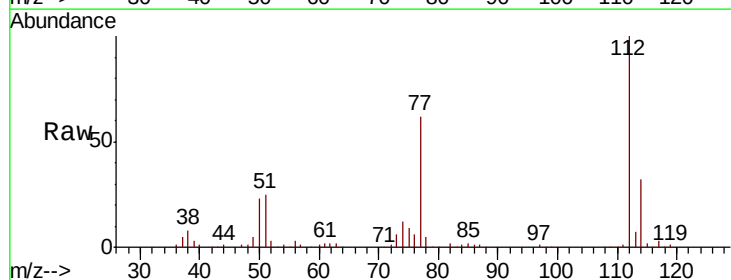
Instrument :
MSVOA_V
ClientSampleId :

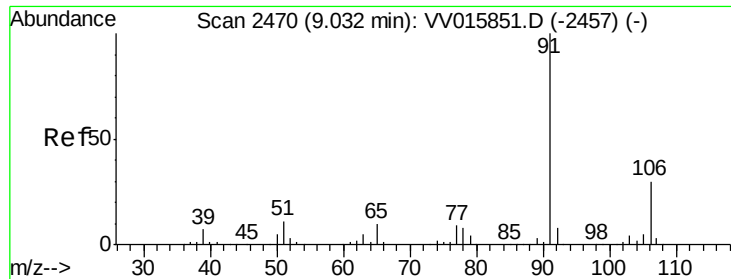
Tot Ion:107 Resp: 29961
Ion Ratio Lower Upper
107 100
109 94.7 68.1 126.5
188 3.4 3.2 4.8



#51
Chlorobenzene
Concen: 5.088 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015876.D
Acq: 04 May 2020 11:13

Tgt Ion:112 Resp: 126221
Ion Ratio Lower Upper
112 100
114 31.7 21.6 40.2
77 62.0 48.9 73.3





#52

Ethylbenzene

Concen: 5.132 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015876.D

Acq: 04 May 2020 11:13

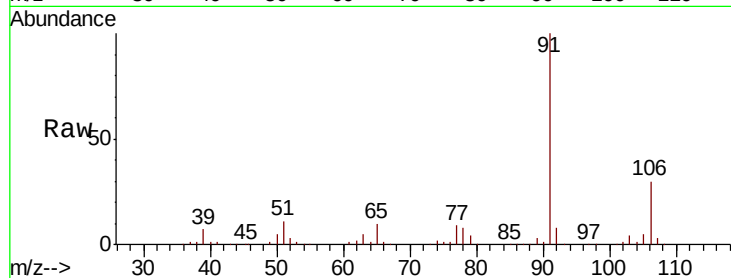
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 224919

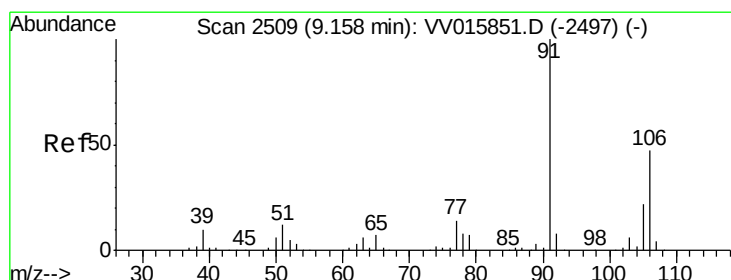
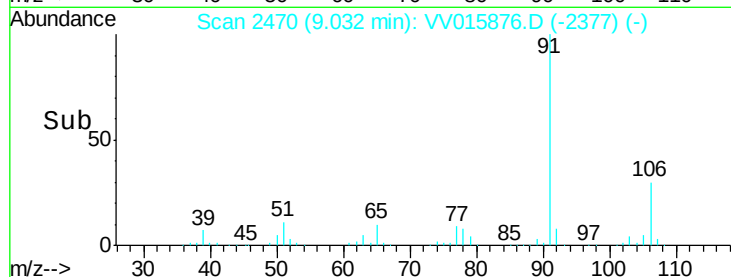
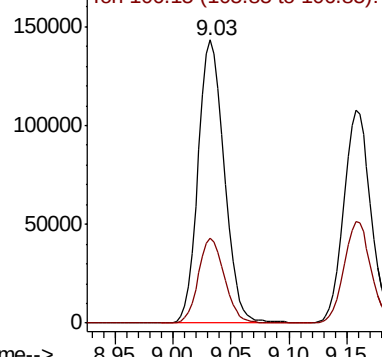
Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VV015876.D (-2377) (-)



#53

m,p-xylene

Concen: 5.271 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV015876.D

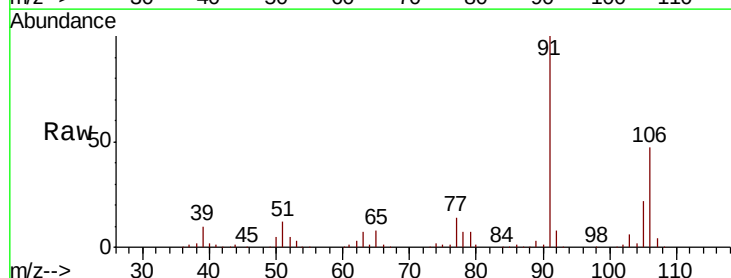
Acq: 04 May 2020 11:13

Tgt Ion: 106 Resp: 84603

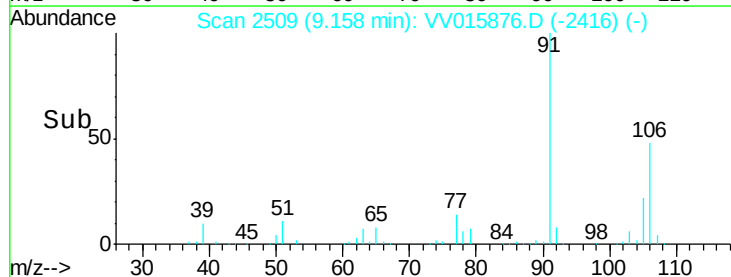
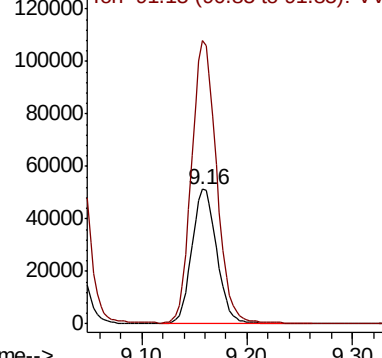
Ion Ratio Lower Upper

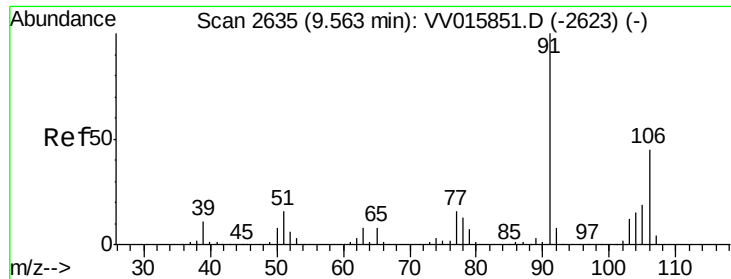
106 100

91 210.6 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VV015876.D (-2416) (-)

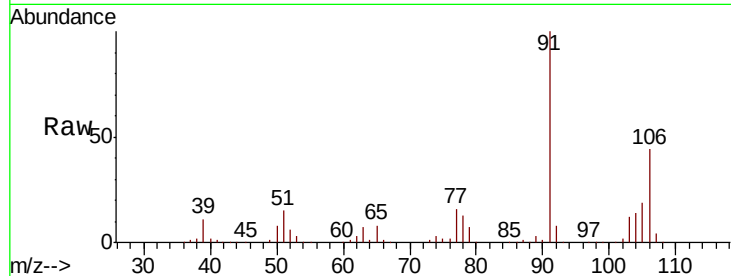




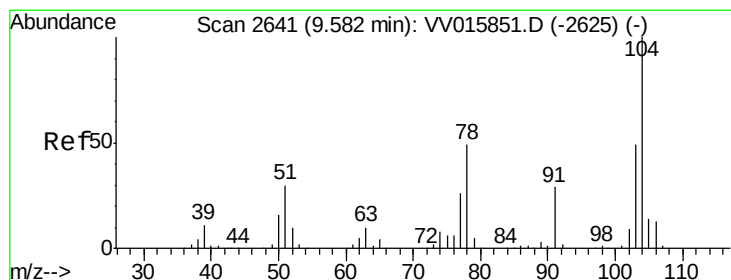
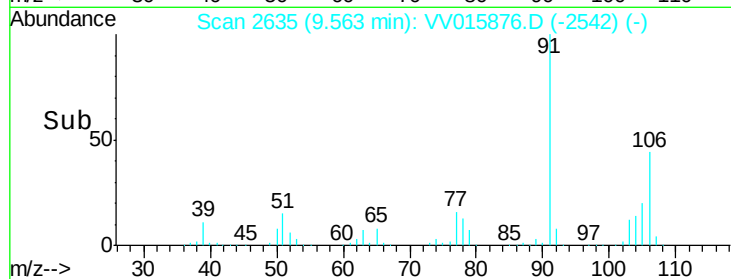
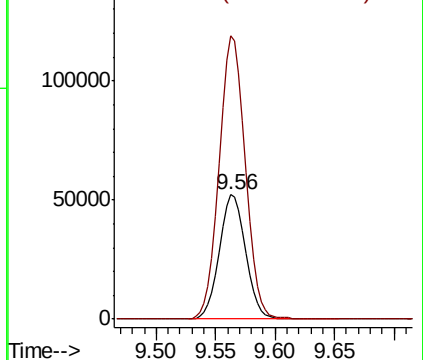
#54
o-xylene
Concen: 5.146 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV015876.D
Acq: 04 May 2020 11:13

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 79929
Ion Ratio Lower Upper
106 100
91 228.1 159.8 296.8

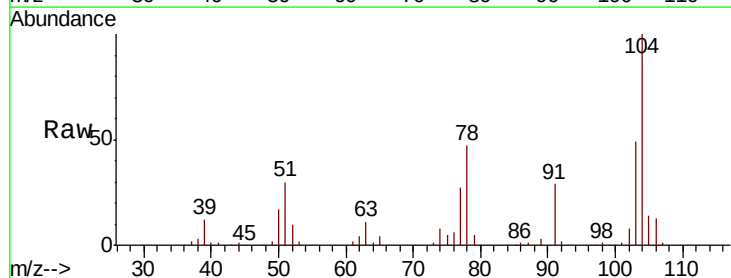


Abundance Ion 106.15 (105.85 to 106.85): VV015876.D (-2542) (-)
Ion 91.15 (90.85 to 91.85): VV015876.D (-2542) (-)

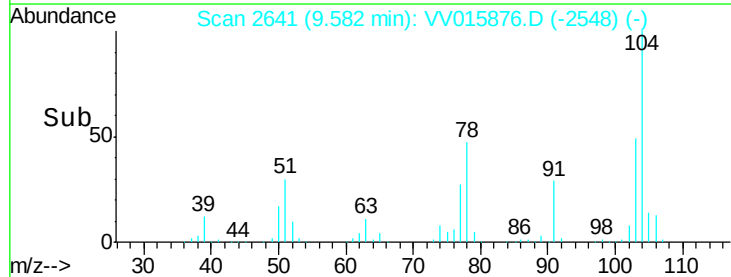
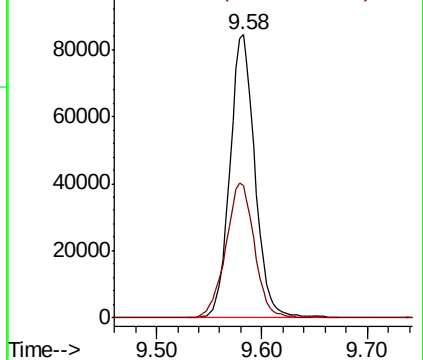


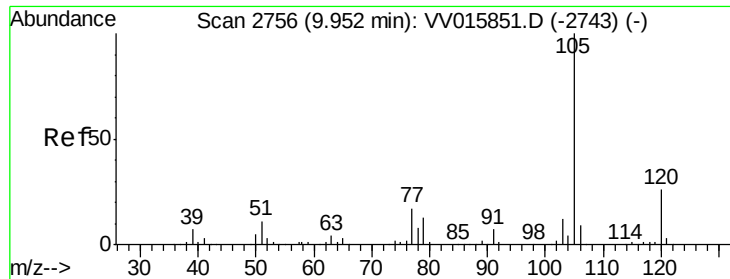
#55
Styrene
Concen: 5.250 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV015876.D
Acq: 04 May 2020 11:13

Tgt Ion:104 Resp: 138350
Ion Ratio Lower Upper
104 100
78 46.6 34.5 64.1



Abundance Ion 104.10 (103.80 to 104.80): VV015876.D (-2548) (-)
Ion 78.10 (77.80 to 78.80): VV015876.D (-2548) (-)





#56

Isopropylbenzene

Concen: 5.206 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015876.D

Acq: 04 May 2020 11:13

Instrument :
MSVOA_V
ClientSampleId :

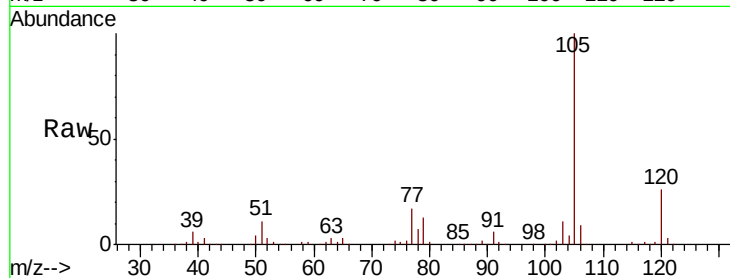
Tot Ion:105 Resp: 226819

Ion Ratio Lower Upper

105 100

120 26.0 20.7 31.1

77 17.1 13.9 20.9

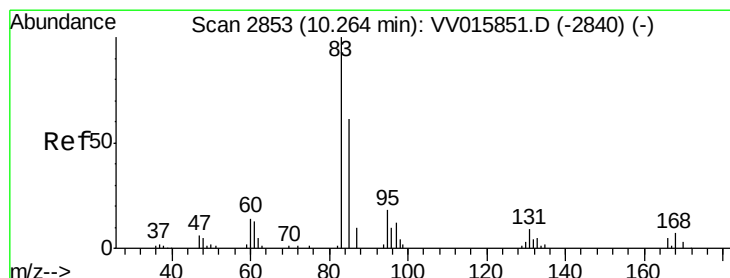
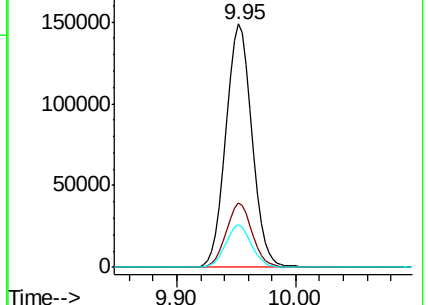
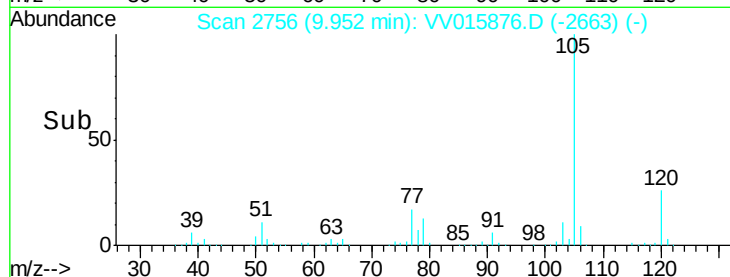


Abundance Ion 105.05 (104.75 to 105.75): VV015851.D (-2743) (-)

Ion 120.10 (119.80 to 120.80): VV015851.D (-2743) (-)

Ion 77.10 (76.80 to 77.80): VV015851.D (-2743) (-)

Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 5.204 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015876.D

Acq: 04 May 2020 11:13

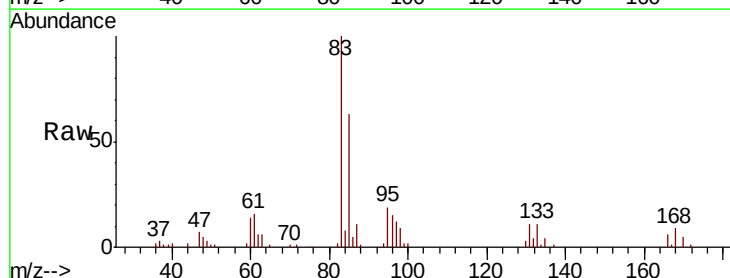
Tgt Ion: 83 Resp: 37313

Ion Ratio Lower Upper

83 100

85 62.5 46.3 85.9

131 11.0 7.7 11.5

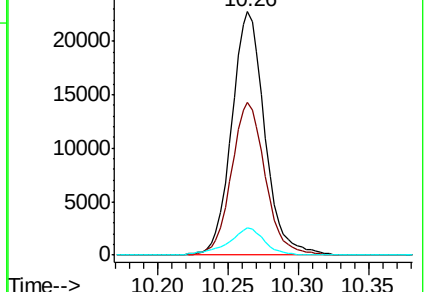
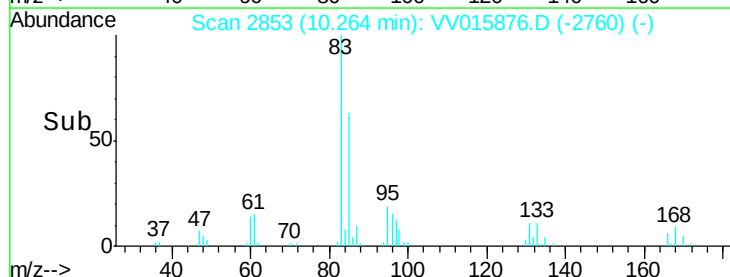


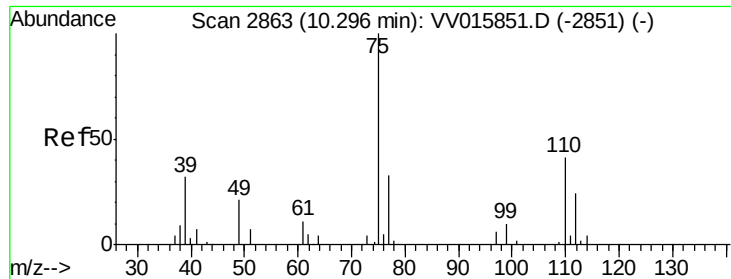
Abundance Ion 82.95 (82.65 to 83.65): VV015851.D (-2840) (-)

Ion 85.00 (84.70 to 85.70): VV015851.D (-2840) (-)

Ion 130.95 (130.65 to 131.65): VV015851.D (-2840) (-)

Time-->

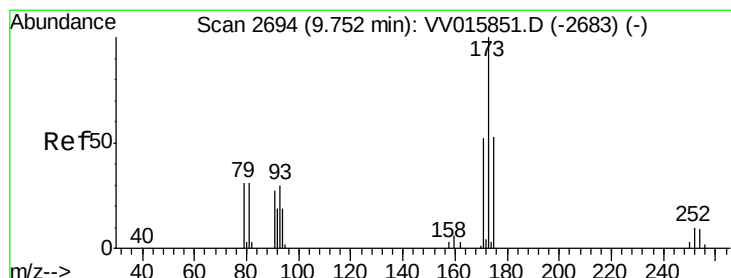
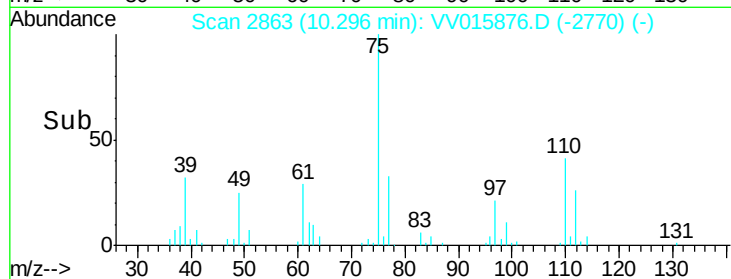
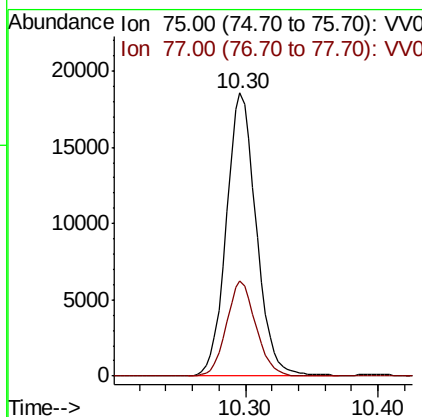
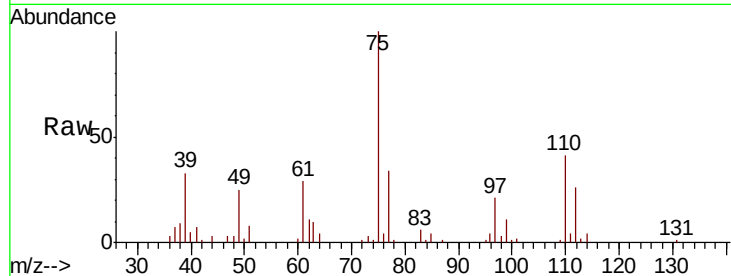




#59
 1,2,3-Trichloropropane
 Concen: 5.065 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV015876.D
 Acq: 04 May 2020 11:13

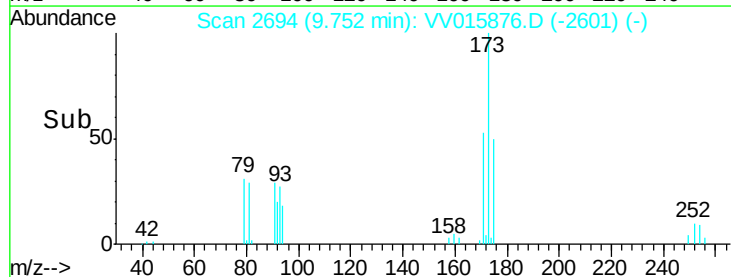
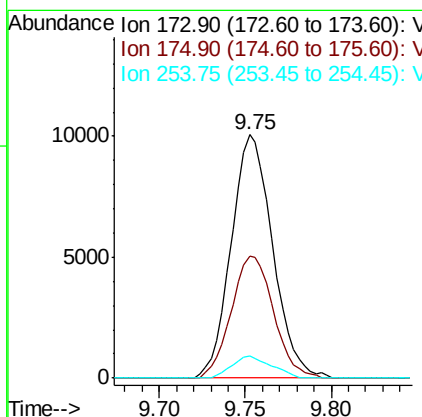
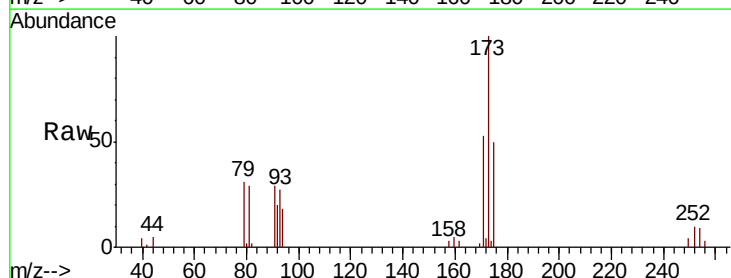
Instrument :
 MSVOA_V
 ClientSampleId :

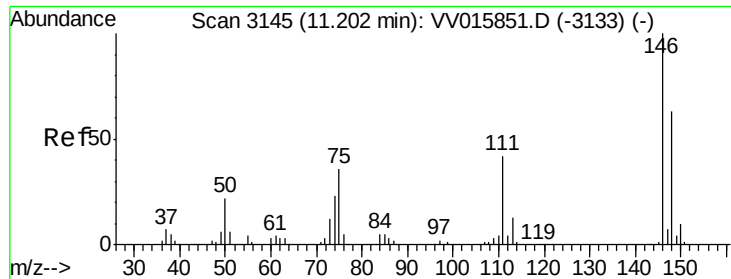
Tot Ion: 75 Resp: 29131
 Ion Ratio Lower Upper
 75 100
 77 32.9 26.0 39.0



#61
 Bromoform
 Concen: 6.301 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV015876.D
 Acq: 04 May 2020 11:13

Tgt Ion: 173 Resp: 16837
 Ion Ratio Lower Upper
 173 100
 175 50.9 39.8 59.8
 254 8.6 5.8 8.8





#62

1,3-Dichlorobenzene

Concen: 4.992 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015876.D

Acq: 04 May 2020 11:13

Instrument :

MSVOA_V

ClientSampleId :

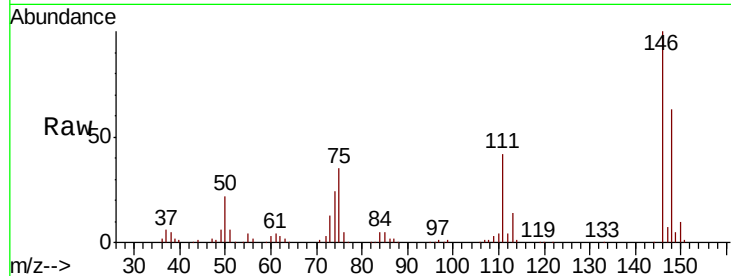
Tot Ion:146 Resp: 102274

Ion Ratio Lower Upper

146 100

111 42.2 30.0 55.6

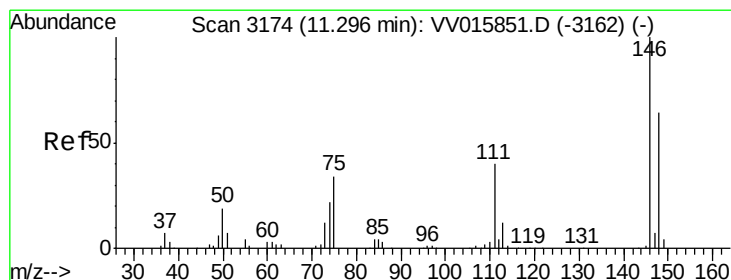
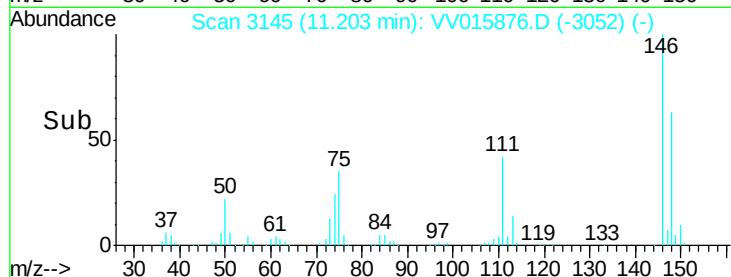
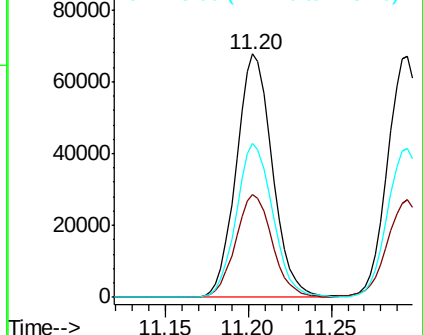
148 63.1 44.2 82.2



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: 5.004 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015876.D

Acq: 04 May 2020 11:13

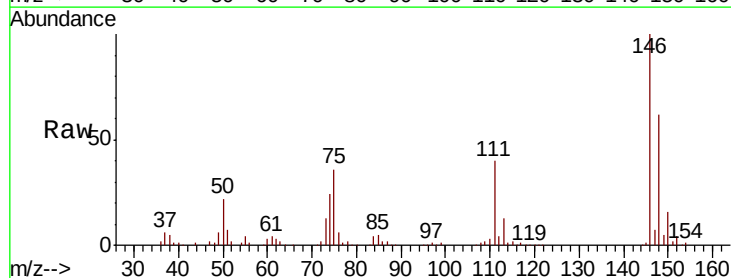
Tgt Ion:146 Resp: 103404

Ion Ratio Lower Upper

146 100

111 40.4 28.2 52.4

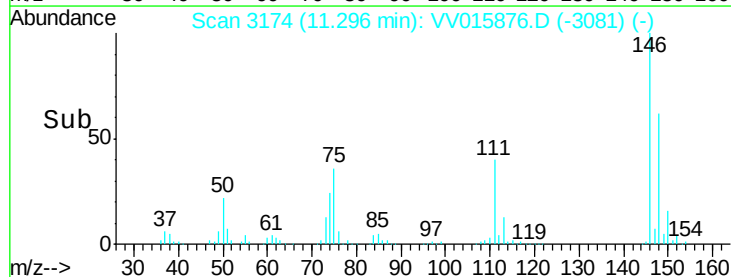
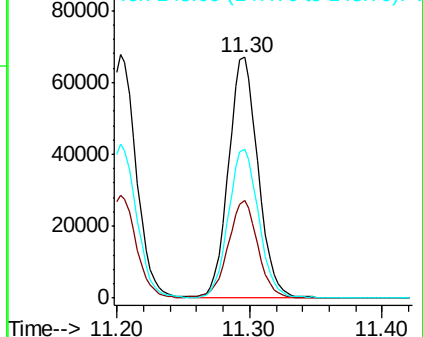
148 61.9 45.7 84.9

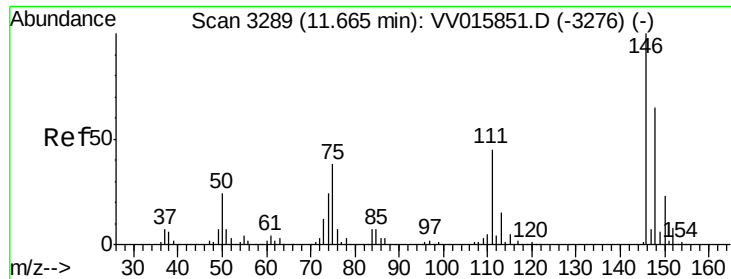


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.032 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015876.D

Acq: 04 May 2020 11:13

Instrument :

MSVOA_V

ClientSampleId :

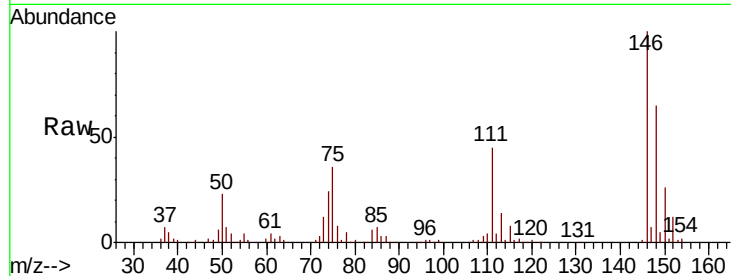
Tot Ion:146 Resp: 93239

Ion Ratio Lower Upper

146 100

111 44.8 34.7 52.1

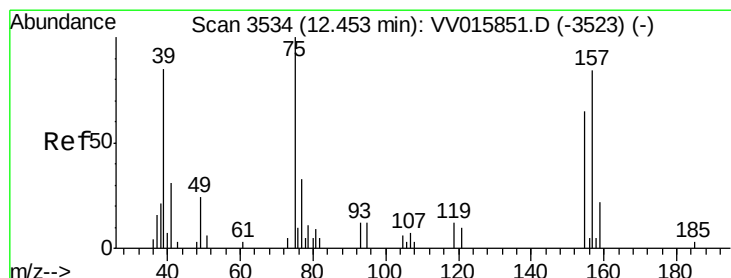
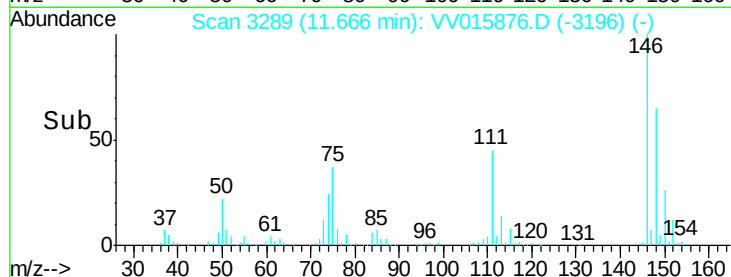
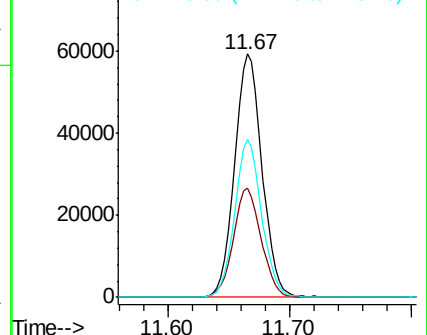
148 64.7 51.3 76.9



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: 5.406 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015876.D

Acq: 04 May 2020 11:13

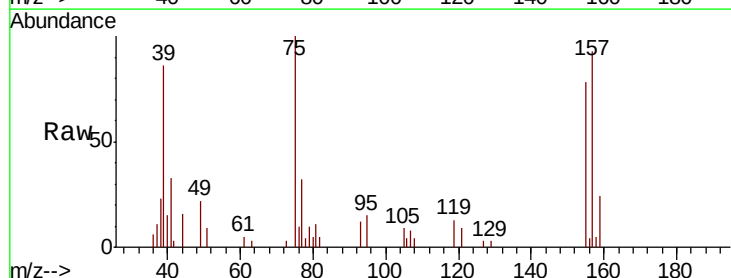
Tgt Ion: 75 Resp: 6526

Ion Ratio Lower Upper

75 100

155 77.6 51.0 76.4#

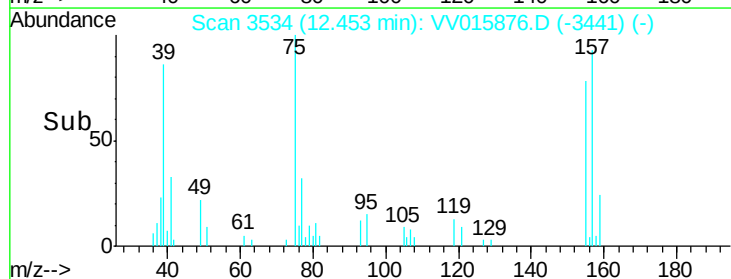
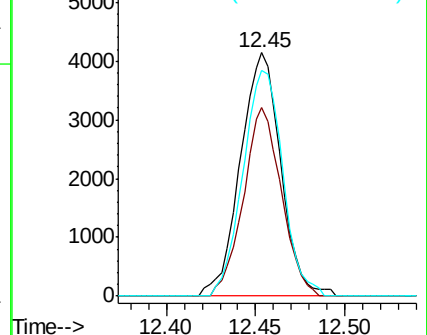
157 92.8 70.6 106.0

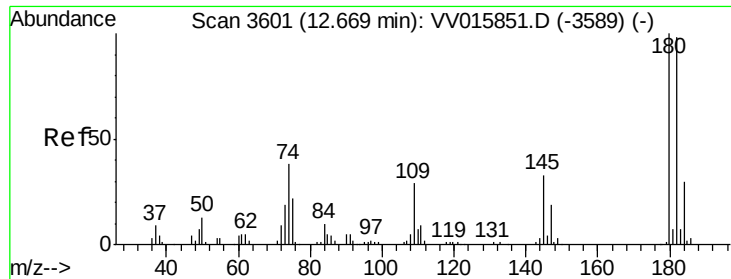


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

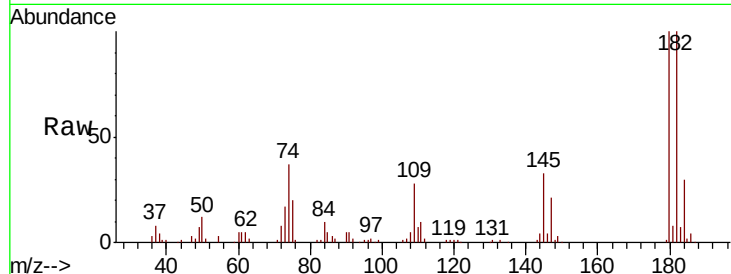




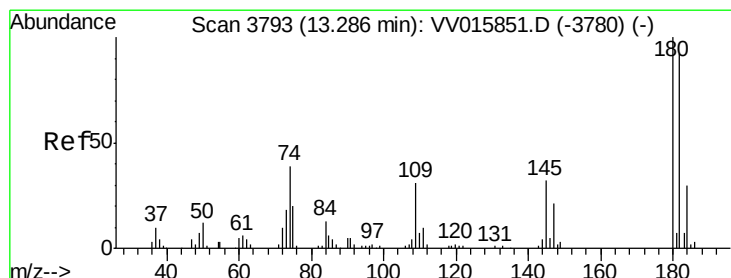
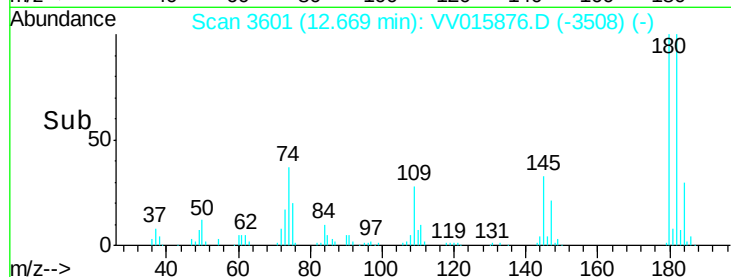
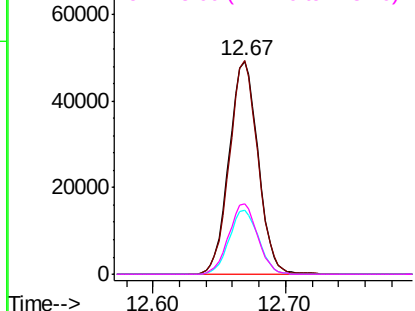
#67
 1,3,5-Trichlorobenzene
 Concen: 4.965 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015876.D
 Acq: 04 May 2020 11:13

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 75176
 Ion Ratio Lower Upper
 180 100
 182 97.8 78.2 117.4
 184 30.3 25.0 37.4
 145 32.7 26.4 39.6

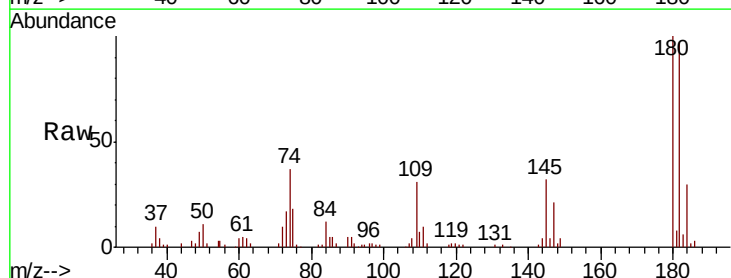


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

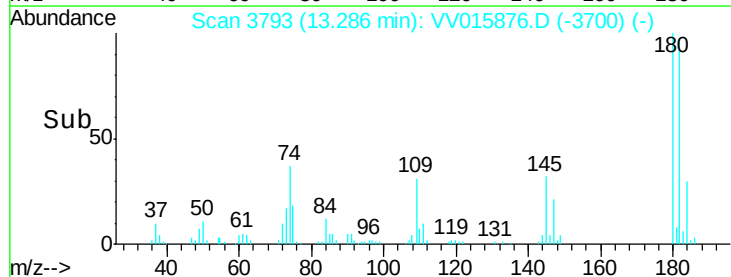
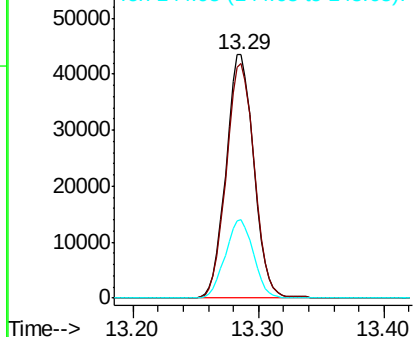


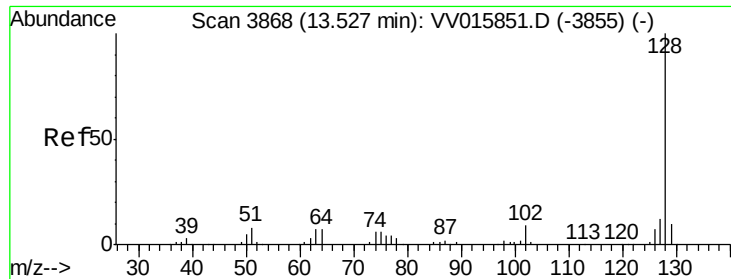
#68
 1,2,4-trichlorobenzene
 Concen: 4.798 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015876.D
 Acq: 04 May 2020 11:13

Tgt Ion:180 Resp: 66853
 Ion Ratio Lower Upper
 180 100
 182 97.2 74.8 112.2
 145 32.5 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: 4.730 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015876.D

Acq: 04 May 2020 11:13

Instrument :

MSVOA_V

ClientSampleId :

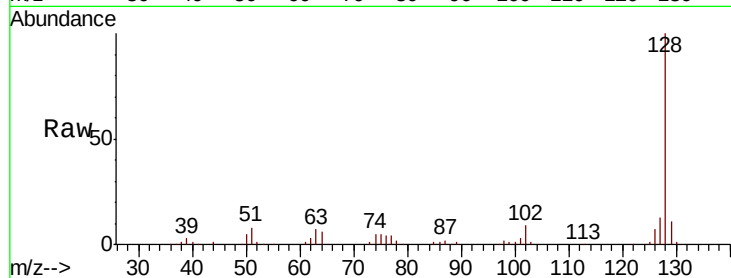
Tot Ion:128 Resp: 117974

Ion Ratio Lower Upper

128 100

129 11.2 8.4 12.6

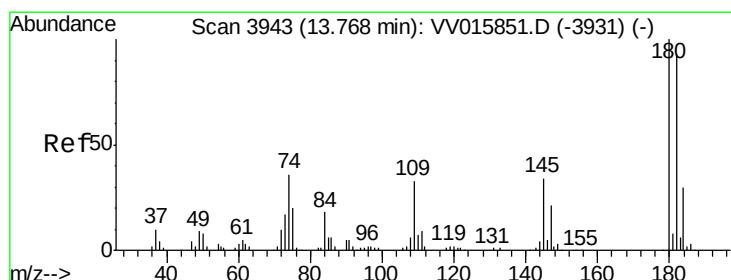
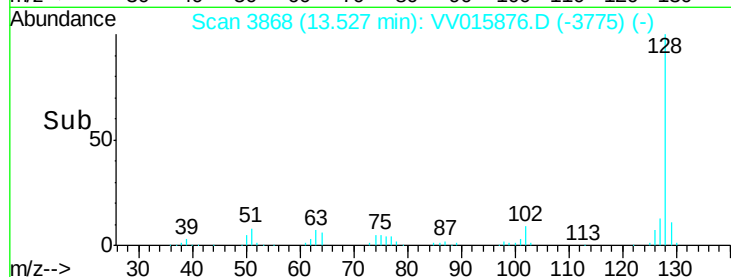
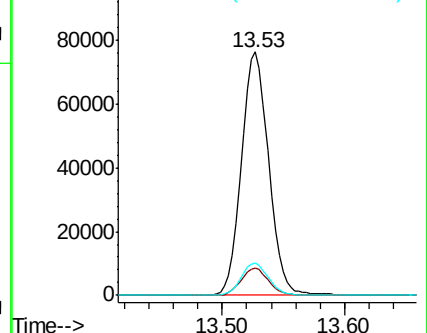
127 13.3 10.2 15.4



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: 4.870 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015876.D

Acq: 04 May 2020 11:13

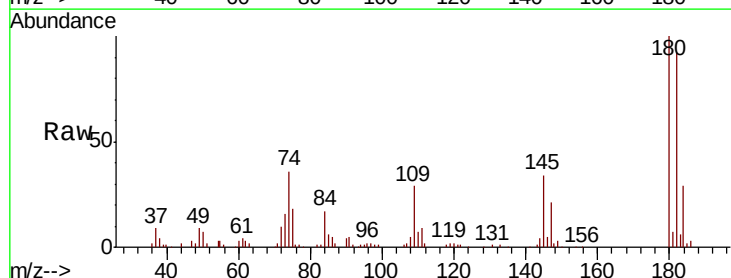
Tgt Ion:180 Resp: 59888

Ion Ratio Lower Upper

180 100

182 95.9 74.8 112.2

145 35.4 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

