

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042220\
 Data File : VV015619.D
 Acq On : 22 Apr 2020 14:07
 Operator : SY/MD
 Sample : VSTD00531
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 23 00:31:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 23 00:28:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	135661	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	126332	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	65673	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	33998	4.87	ug/L	0.00
7) Chloroethane-d5	1.57	69	33048	5.08	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	75310	5.08	ug/L	0.00
20) 2-Butanone-d5	3.93	46	116258	57.14	ug/L	0.00
24) Chloroform-d	4.38	84	81139	5.18	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	44892	5.31	ug/L	0.00
32) Benzene-d6	5.07	84	152582	5.36	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	49157	5.52	ug/L	0.00
41) Toluene-d8	7.34	98	145270	5.37	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	18489	4.93	ug/L	0.00
46) 2-Hexanone-d5	8.11	63	95544	51.97	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	36380	5.23	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	54255	5.11	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	58715	4.521	ug/L 100
3) Chloromethane	1.24	50	50247	4.130	ug/L 100
5) Vinyl chloride	1.32	62	53720	4.513	ug/L 100
6) Bromomethane	1.53	94	22146	3.510	ug/L 100
8) Chloroethane	1.59	64	36812	5.152	ug/L 100
9) Trichlorofluoromethane	1.76	101	74580	4.815	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	43730	4.960	ug/L 100
12) 1,1-Dichloroethene	2.13	96	39829	4.749	ug/L 100
13) Acetone	2.22	43	80668	56.464	ug/L 100
14) Carbon disulfide	2.30	76	109548	3.918	ug/L 100
15) Methyl Acetate	2.46	43	19649	4.666	ug/L 100
16) Methylene chloride	2.52	84	46009	4.653	ug/L 100
17) Methyl tert-butyl Ether	2.79	73	112000	4.952	ug/L 100
18) trans-1,2-Dichloroethene	2.78	96	44202	4.713	ug/L 100
19) 1,1-Dichloroethane	3.21	63	87935	4.918	ug/L 100
21) 2-Butanone	4.02	43	126502	54.576	ug/L 100
22) cis-1,2-Dichloroethene	3.94	96	48655	4.948	ug/L 100
23) Bromochloromethane	4.27	128	19908	4.875	ug/L 100
25) Chloroform	4.40	83	91562	4.977	ug/L 100
27) 1,2-Dichloroethane	5.16	62	61136	5.136	ug/L 100
29) 1,1,1-Trichloroethane	4.63	97	82521	5.050	ug/L 100
30) Cyclohexane	4.70	56	78250	4.610	ug/L 100
31) Carbon tetrachloride	4.85	117	68051	4.840	ug/L 100
33) Benzene	5.12	78	186249	4.973	ug/L 100
34) Trichloroethene	5.94	95	50586	4.983	ug/L 100
35) Methylcyclohexane	6.15	83	78365	4.693	ug/L 100
37) 1,2-Dichloropropane	6.20	63	46670	5.003	ug/L 100
38) Bromodichloromethane	6.53	83	58744	4.790	ug/L 100
39) cis-1,3-Dichloropropene	7.05	75	64895	4.632	ug/L 100
40) 4-Methyl-2-pentanone	7.25	43	308148	50.383	ug/L 100

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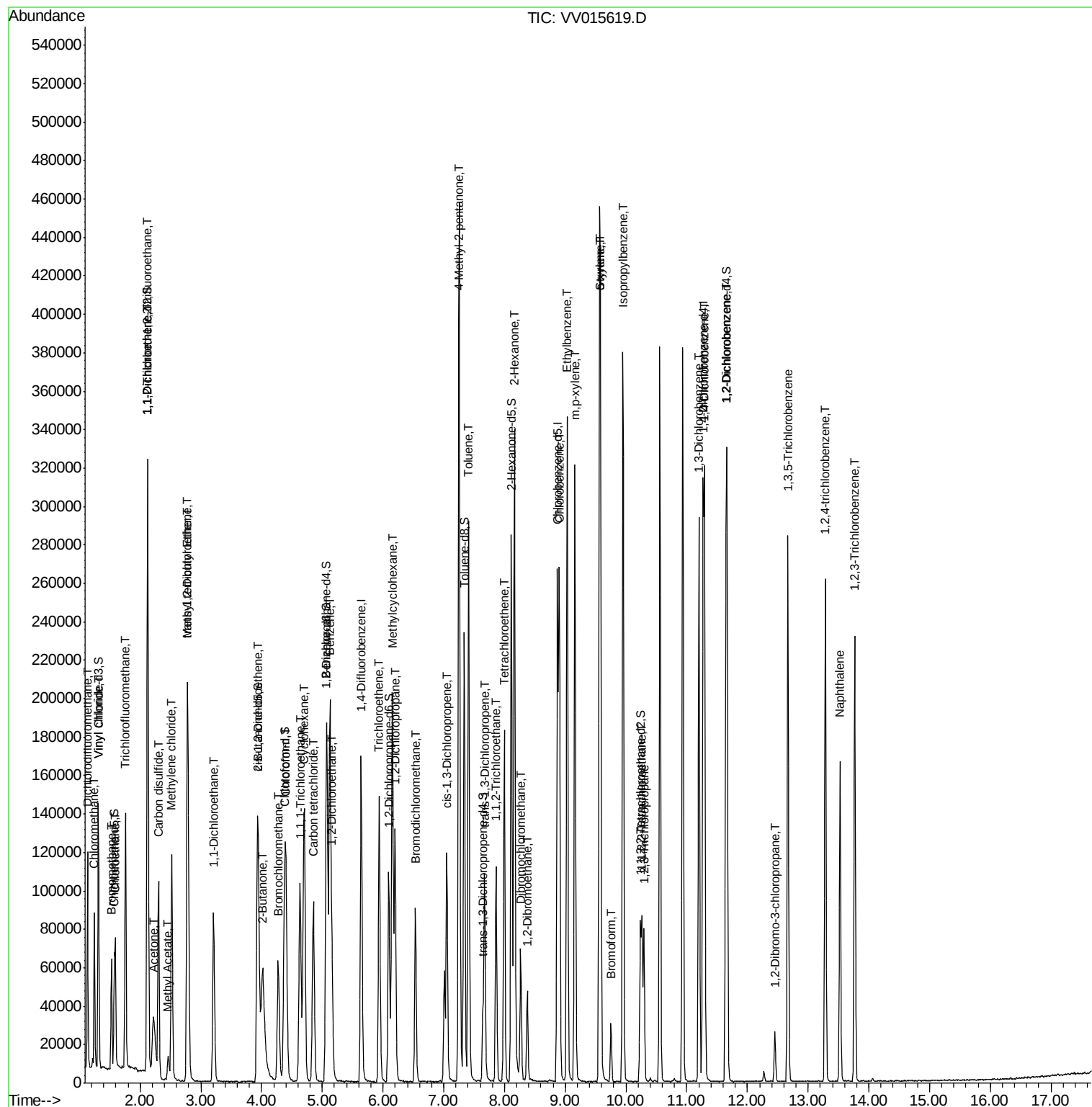
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	197654	4.879	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	56484	4.743	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	32764	5.190	ug/L	100
47) Tetrachloroethene	8.00	164	36833	4.937	ug/L	100
48) 2-Hexanone	8.16	43	224032	52.179	ug/L	100
49) Dibromochloromethane	8.27	129	32524	4.449	ug/L	100
50) 1,2-Dibromoethane	8.37	107	30087	5.010	ug/L	100
51) Chlorobenzene	8.90	112	126893	4.898	ug/L	100
52) Ethylbenzene	9.03	91	228460	4.906	ug/L	100
53) m,p-xylene	9.16	106	84226	4.802	ug/L	100
54) o-xylene	9.57	106	82287	4.843	ug/L	100
55) Styrene	9.58	104	140951	4.925	ug/L	100
56) Isopropylbenzene	9.95	105	226504	4.848	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	37473	4.940	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	29844	5.157	ug/L	100
61) Bromoform	9.76	173	12656	3.543	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	104054	4.966	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	103946	4.868	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	95313	4.964	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	6395	4.481	ug/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	75520	4.976	ug/L	100
68) 1,2,4-trichlorobenzene	13.29	180	70604	5.109	ug/L	100
69) Naphthalene	13.53	128	122260	4.770	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	61635	5.067	ug/L	100

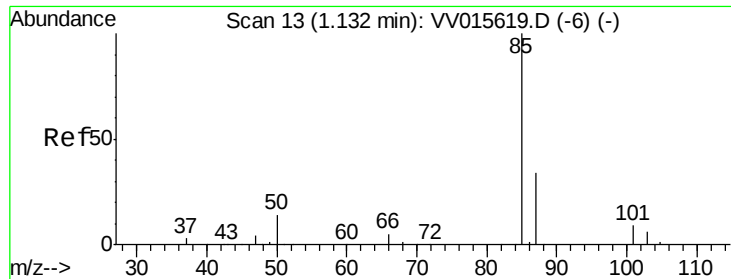
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.521 ug/L

RT: 1.13 min Scan# 13

Delta R.T. 0.00 min

Lab File: VV015619.D

Acq: 22 Apr 2020 14:07

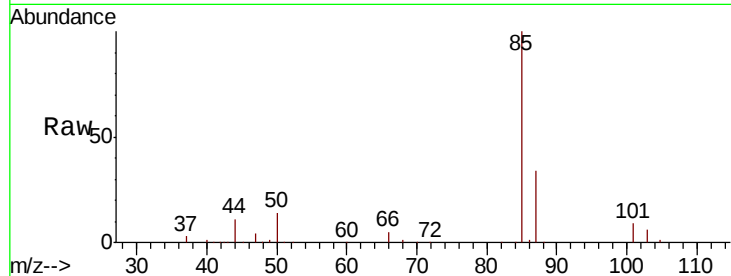
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85.00 Resp: 58715

Ion Ratio Lower Upper

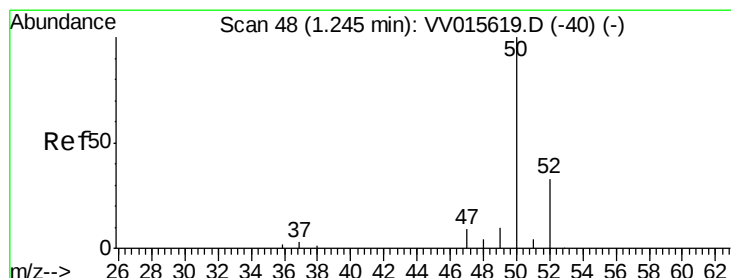
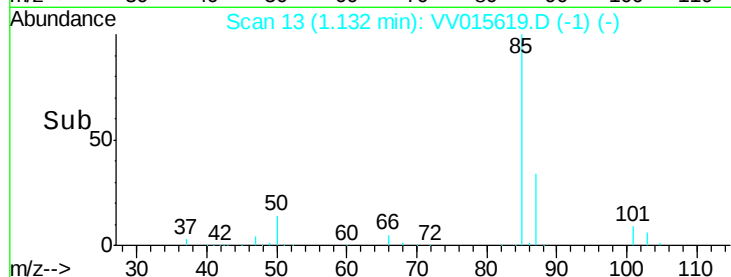
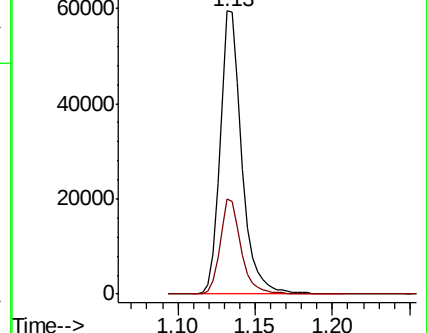
85 100

87 32.6 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: 4.130 ug/L

RT: 1.24 min Scan# 48

Delta R.T. 0.00 min

Lab File: VV015619.D

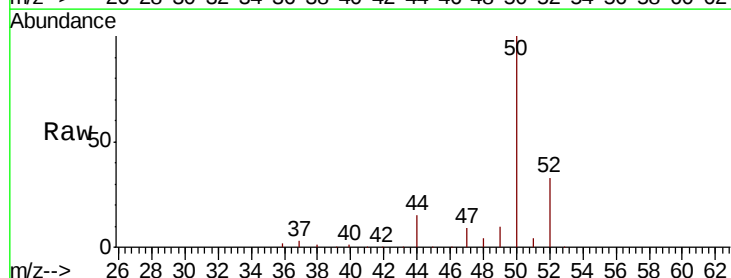
Acq: 22 Apr 2020 14:07

Tgt Ion: 50 Resp: 50247

Ion Ratio Lower Upper

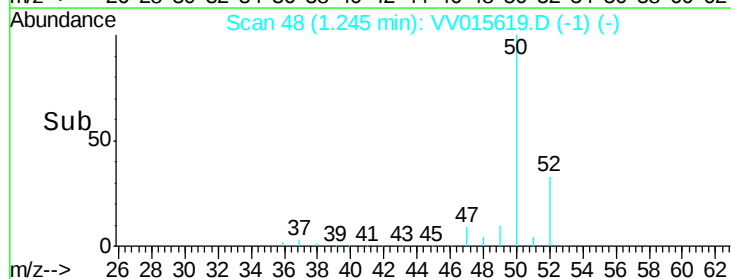
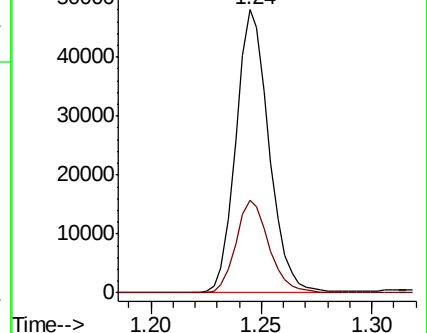
50 100

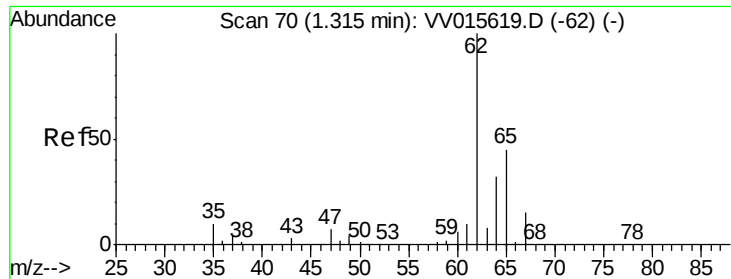
52 32.7 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

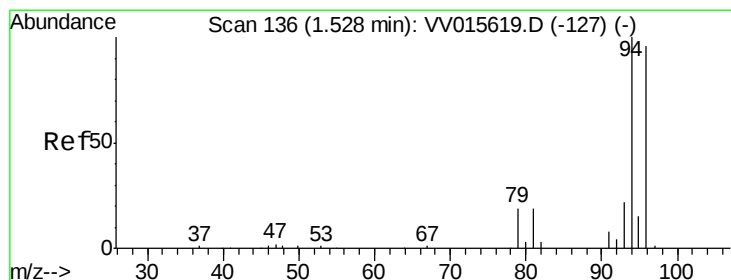
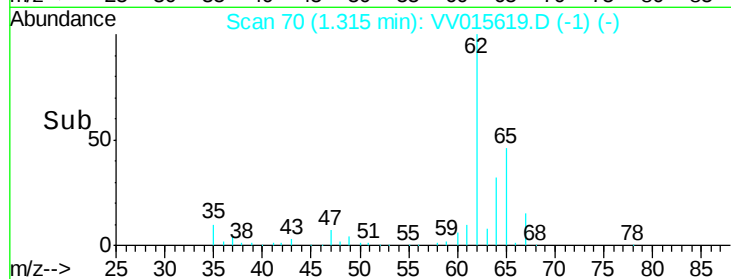
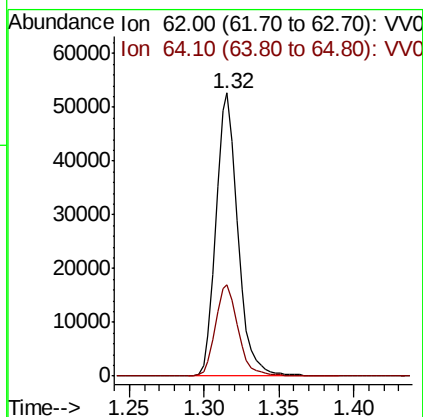
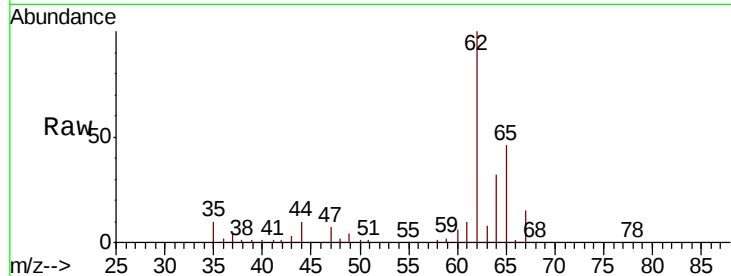




#5
 Vinyl chloride
 Concen: 4.513 ug/L
 RT: 1.32 min Scan# 70
 Delta R.T. 0.00 min
 Lab File: VV015619.D
 Acq: 22 Apr 2020 14:07

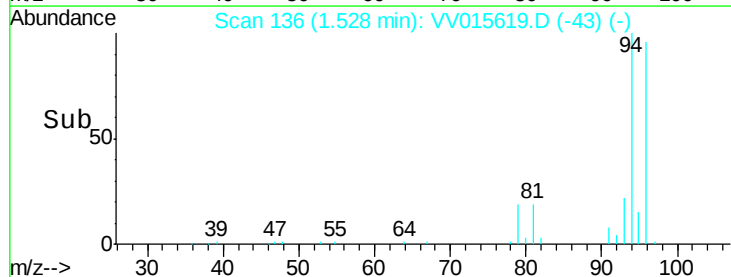
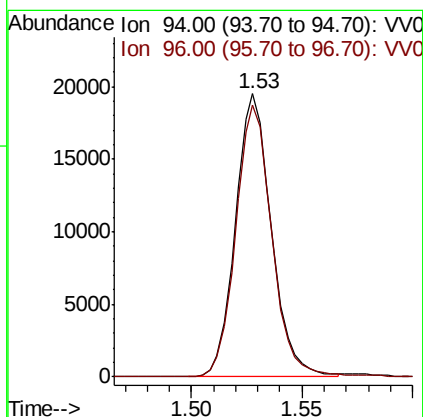
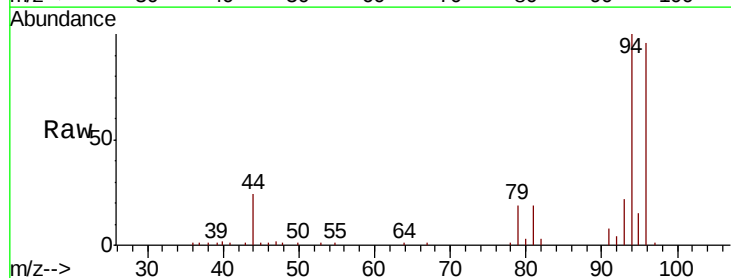
Instrument :
 MSVOA_V
 ClientSampled :

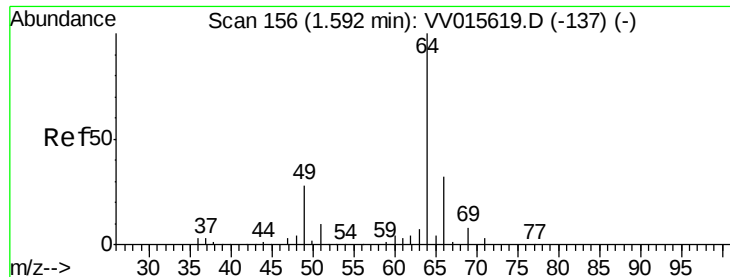
Tot Ion: 62 Resp: 53720
 Ion Ratio Lower Upper
 62 100
 64 32.4 22.7 42.1



#6
 Bromomethane
 Concen: 3.510 ug/L
 RT: 1.53 min Scan# 136
 Delta R.T. 0.00 min
 Lab File: VV015619.D
 Acq: 22 Apr 2020 14:07

Tgt Ion: 94 Resp: 22146
 Ion Ratio Lower Upper
 94 100
 96 96.2 67.3 125.1





#8

Chloroethane

Concen: 5.152 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV015619.D

Acq: 22 Apr 2020 14:07

Instrument :

MSVOA_V

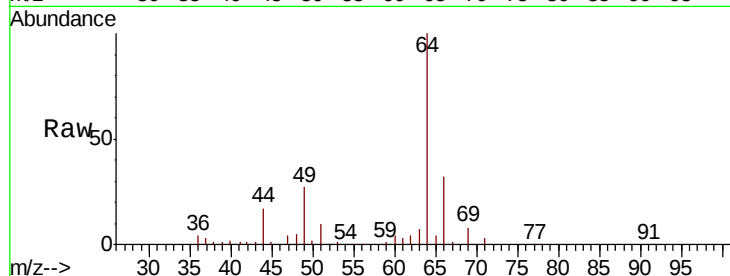
ClientSampleId :

Tot Ion: 64 Resp: 36812

Ion Ratio Lower Upper

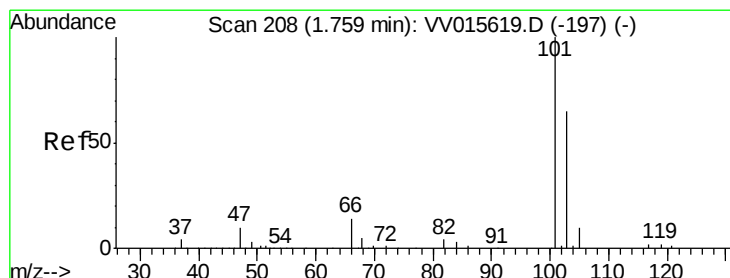
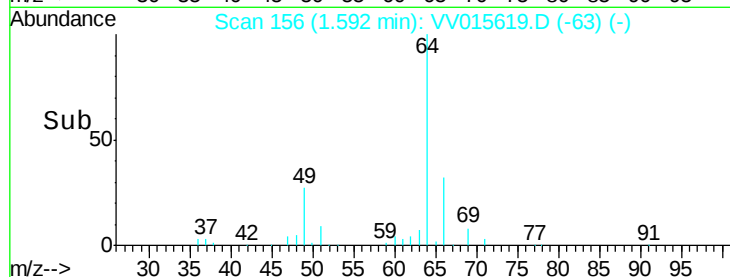
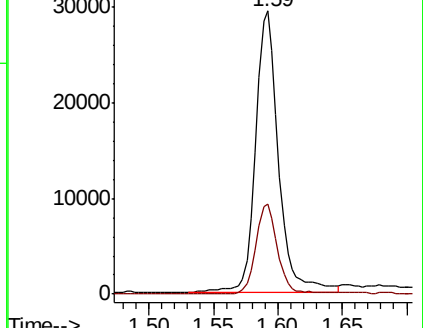
64 100

66 31.9 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV015619.D (-137) (-)

Ion 66.05 (65.75 to 66.75): VV015619.D (-137) (-)



#9

Trichlorofluoromethane

Concen: 4.815 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV015619.D

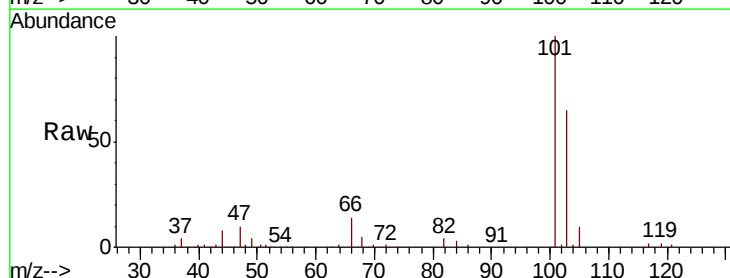
Acq: 22 Apr 2020 14:07

Tgt Ion:101 Resp: 74580

Ion Ratio Lower Upper

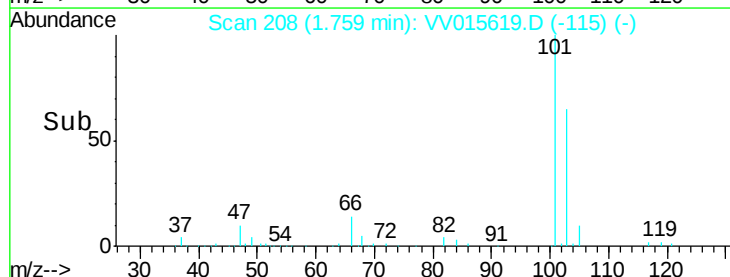
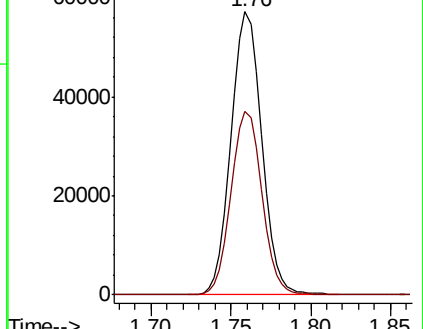
101 100

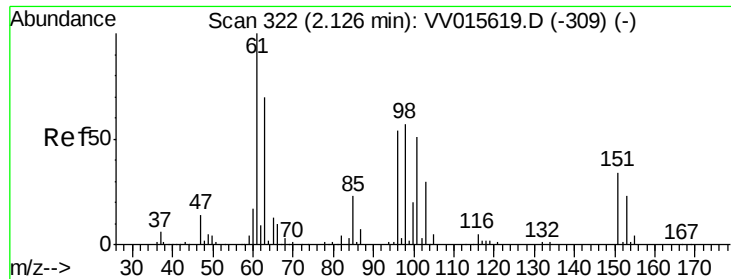
103 65.4 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV015619.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV015619.D (-197) (-)





#10

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

Concen: 4.960 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV015619.D

Acq: 22 Apr 2020 14:07

Instrument :

MSVOA_V

ClientSampled :

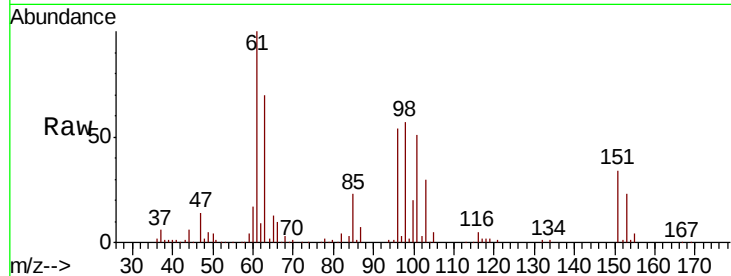
Tot Ion:101 Resp: 43730

Ion Ratio Lower Upper

101 100

85 45.1 36.1 54.1

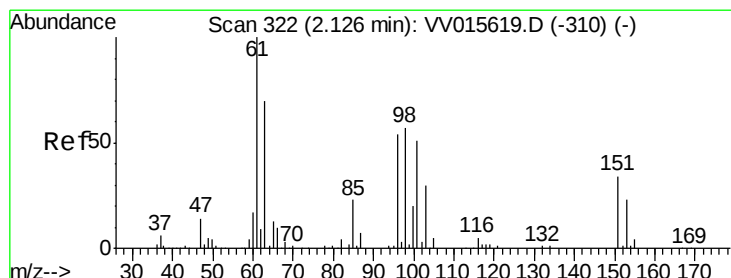
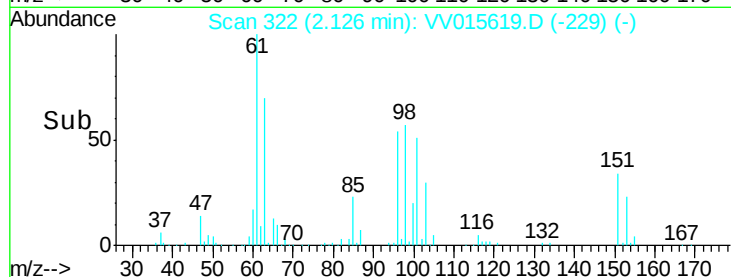
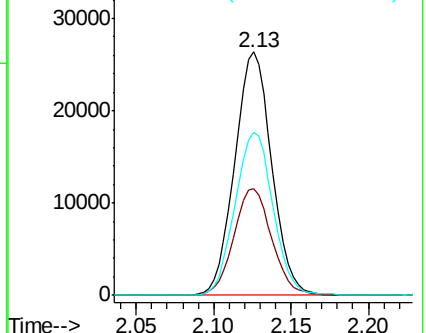
151 69.0 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): VV015619.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV015619.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV015619.D (-309) (-)



#12

1,1-Dichloroethene

Concen: 4.749 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV015619.D

Acq: 22 Apr 2020 14:07

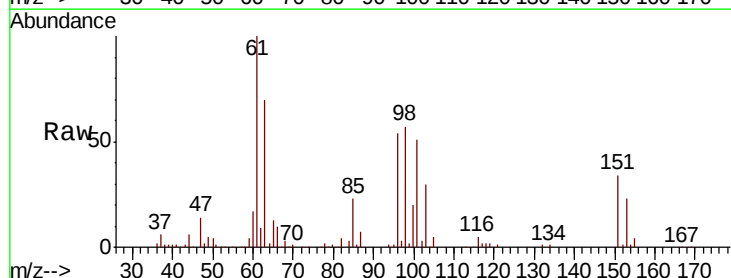
Tgt Ion: 96 Resp: 39829

Ion Ratio Lower Upper

96 100

61 185.9 130.1 241.7

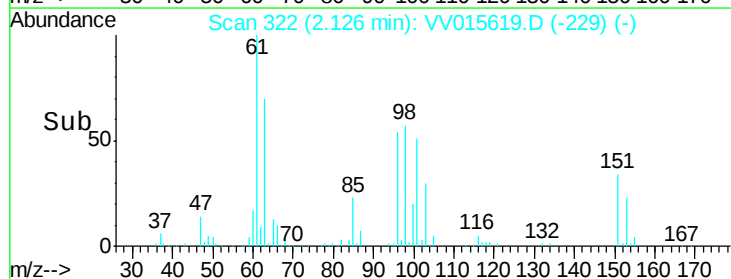
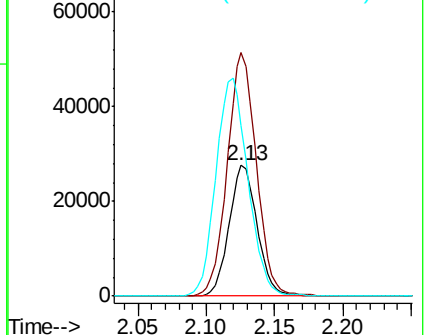
63 130.6 91.4 169.8

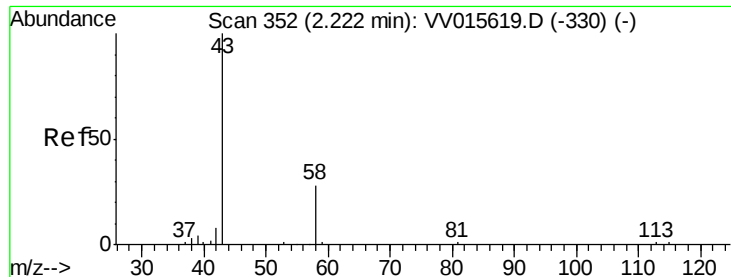


Abundance Ion 96.00 (95.70 to 96.70): VV015619.D (-310) (-)

Ion 61.05 (60.75 to 61.75): VV015619.D (-310) (-)

Ion 63.00 (62.70 to 63.70): VV015619.D (-310) (-)





#13

Acetone

Concen: 56.464 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.00 min

Lab File: VV015619.D

Acq: 22 Apr 2020 14:07

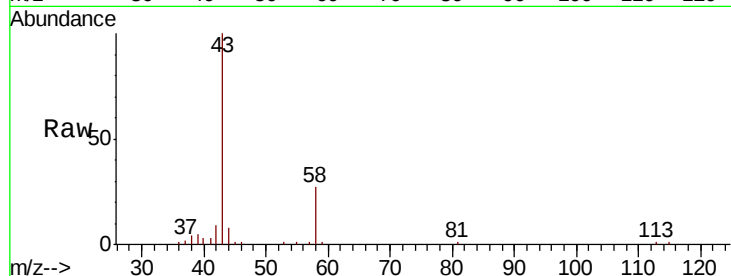
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 80668

Ion Ratio Lower Upper

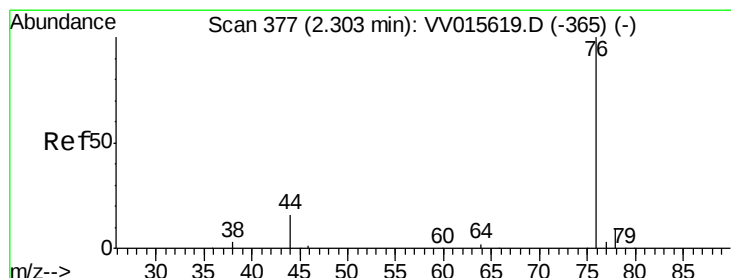
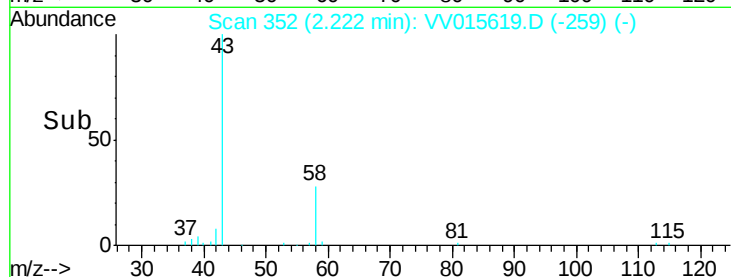
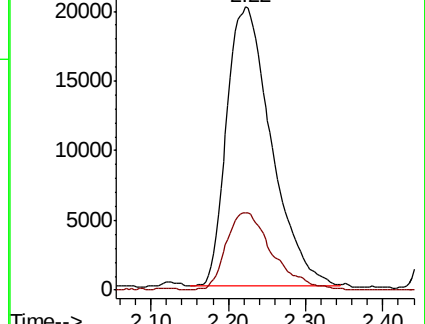
43 100

58 28.8 0.0 57.6



Abundance Ion 43.05 (42.75 to 43.75): VV015619.D (-330) (-)

Ion 58.05 (57.75 to 58.75): VV015619.D (-330) (-)



#14

Carbon disulfide

Concen: 3.918 ug/L

RT: 2.30 min Scan# 377

Delta R.T. 0.00 min

Lab File: VV015619.D

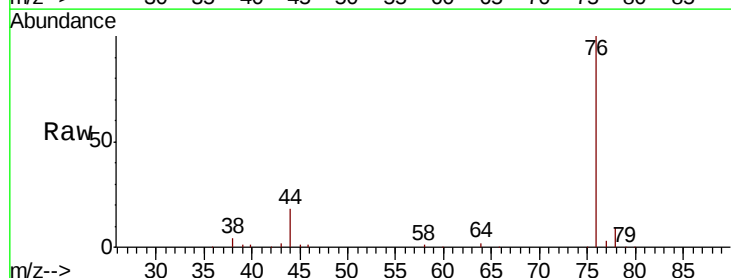
Acq: 22 Apr 2020 14:07

Tgt Ion: 76 Resp: 109548

Ion Ratio Lower Upper

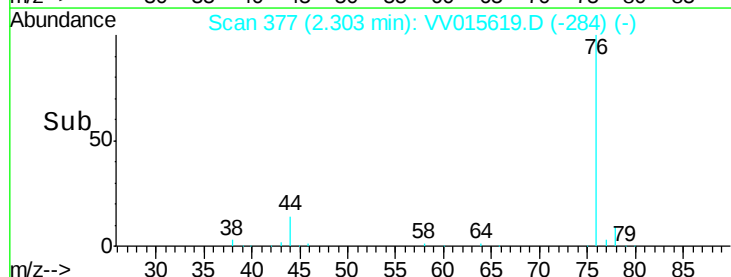
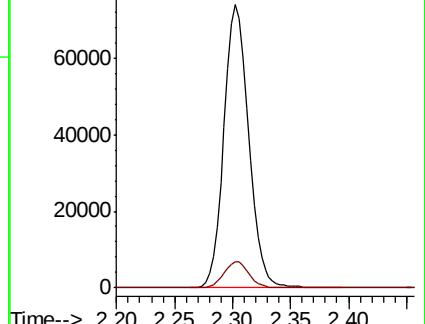
76 100

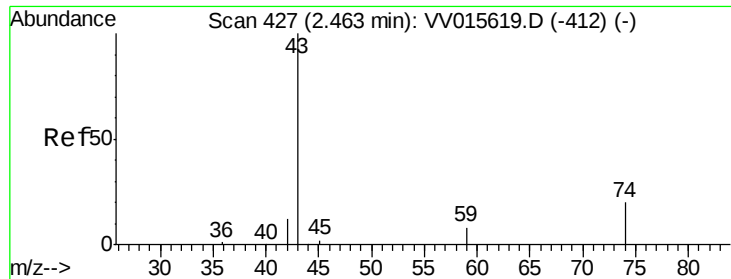
78 9.2 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV015619.D (-365) (-)

Ion 78.00 (77.70 to 78.70): VV015619.D (-365) (-)

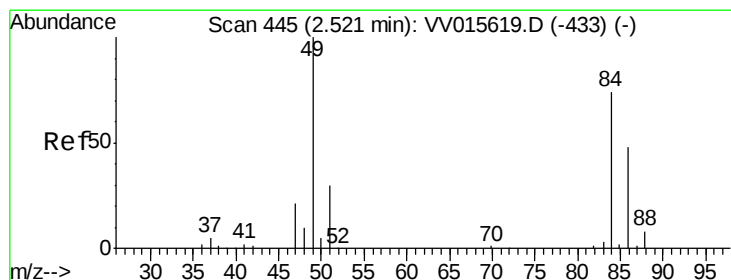
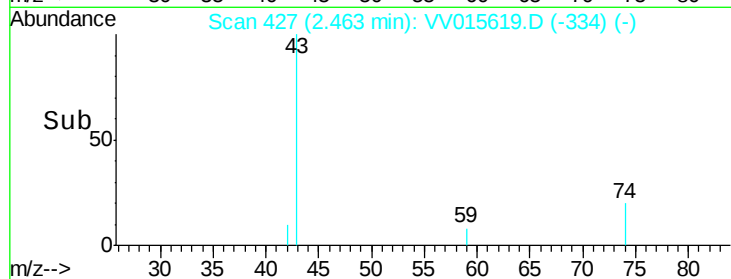
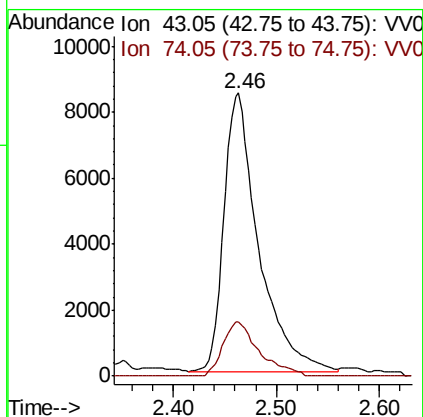
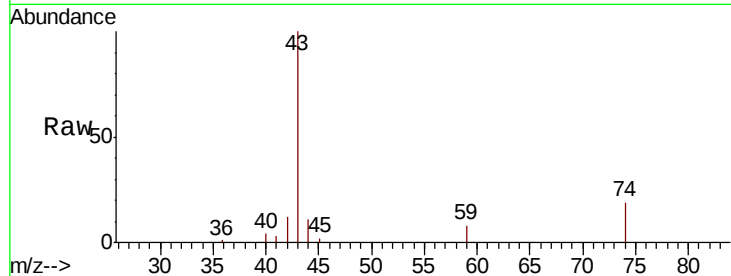




#15
Methyl Acetate
Concen: 4.666 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV015619.D
Acq: 22 Apr 2020 14:07

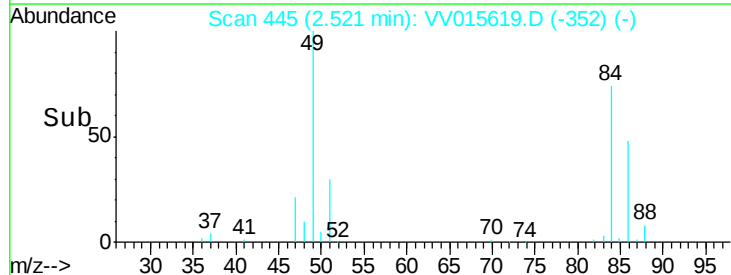
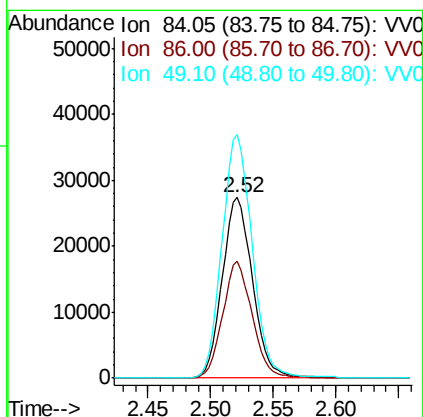
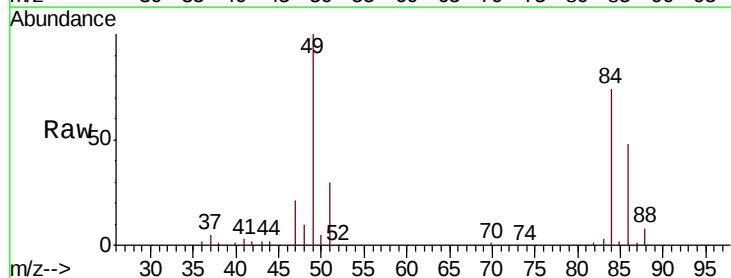
Instrument :
MSVOA_V
ClientSampled :

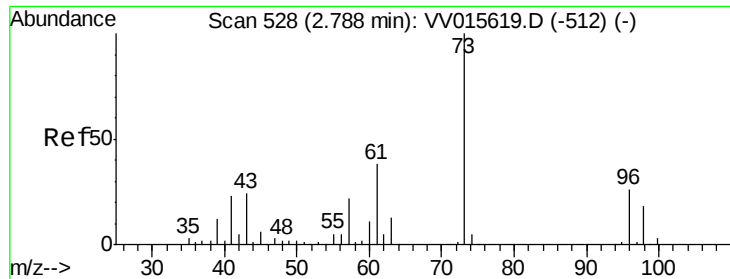
Tot Ion: 43 Resp: 19649
Ion Ratio Lower Upper
43 100
74 20.4 16.3 24.5



#16
Methylene chloride
Concen: 4.653 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV015619.D
Acq: 22 Apr 2020 14:07

Tgt Ion: 84 Resp: 46009
Ion Ratio Lower Upper
84 100
86 64.4 45.1 83.7
49 134.9 94.4 175.4

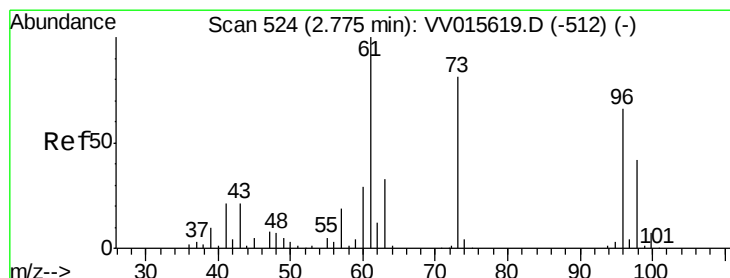
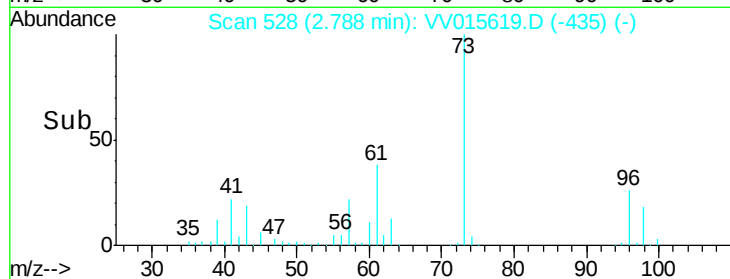
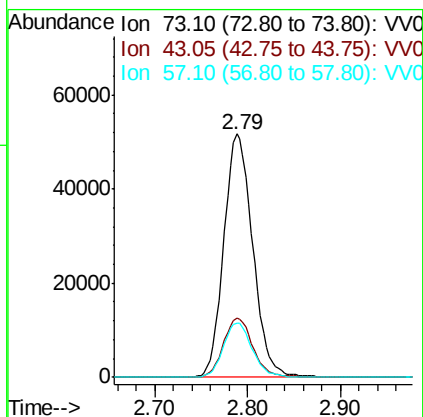
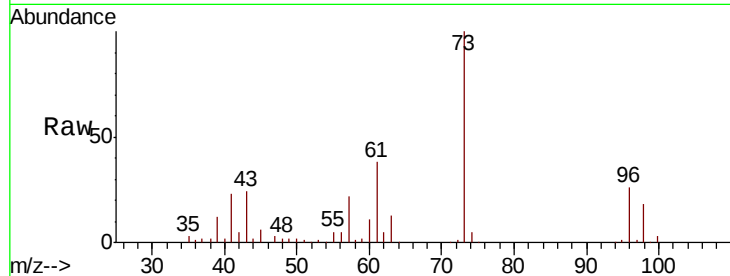




#17
Methvl tert-butvl Ether
Concen: 4.952 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV015619.D
Acq: 22 Apr 2020 14:07

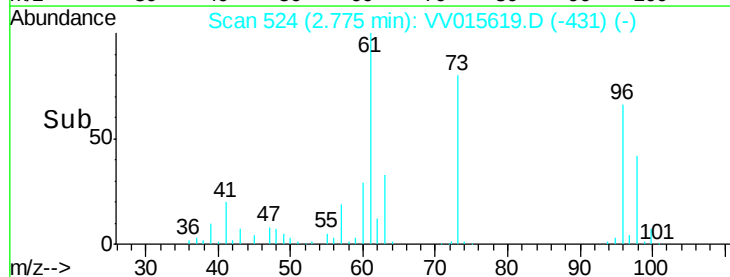
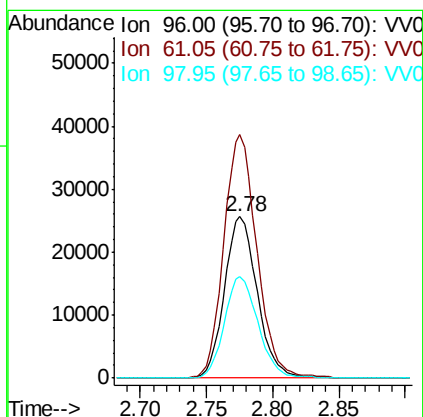
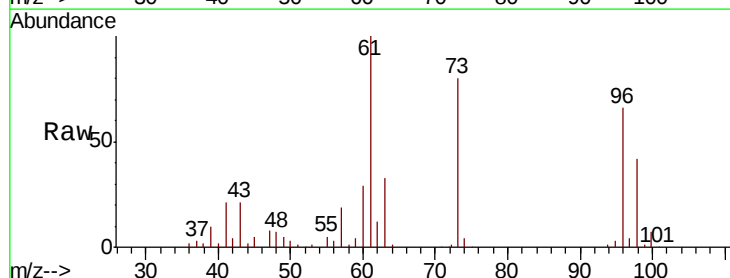
Instrument :
MSVOA_V
ClientSampleId :

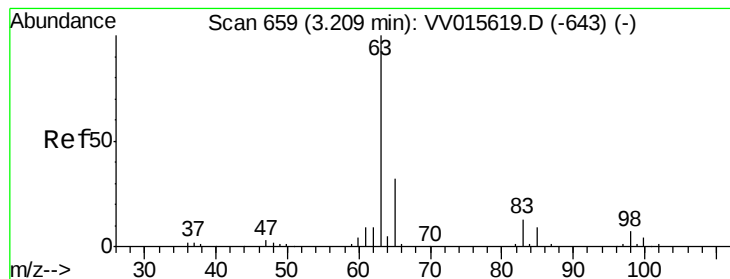
Tot Ion: 73 Resp: 112000
Ion Ratio Lower Upper
73 100
43 25.1 20.1 30.1
57 22.3 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 4.713 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV015619.D
Acq: 22 Apr 2020 14:07

Tgt Ion: 96 Resp: 44202
Ion Ratio Lower Upper
96 100
61 150.7 105.5 195.9
98 63.1 44.2 82.0





#19

1,1-Dichloroethane

Concen: 4.918 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV015619.D

Acq: 22 Apr 2020 14:07

Instrument :
MSVOA_V
ClientSampled :

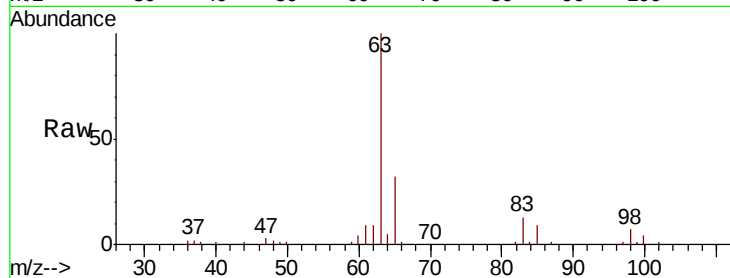
Tot Ion: 63 Resp: 87935

Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.3	41.3
83	13.3	9.3	17.3

63 100

65 31.8 22.3 41.3

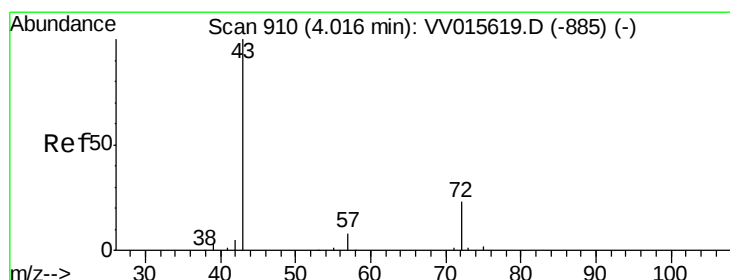
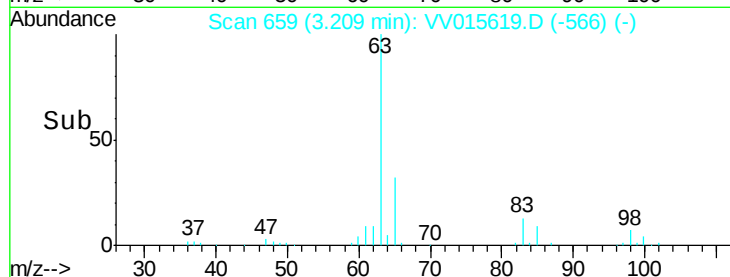
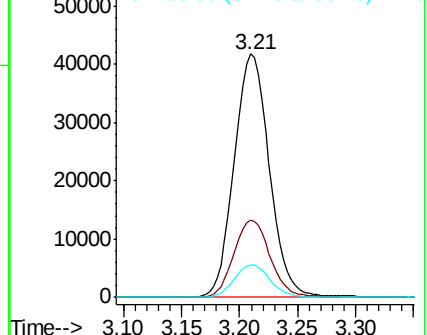
83 13.3 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VV015619.D (-643) (-)

Ion 65.10 (64.80 to 65.80): VV015619.D (-643) (-)

Ion 83.05 (82.75 to 83.75): VV015619.D (-643) (-)



#21

2-Butanone

Concen: 54.576 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.00 min

Lab File: VV015619.D

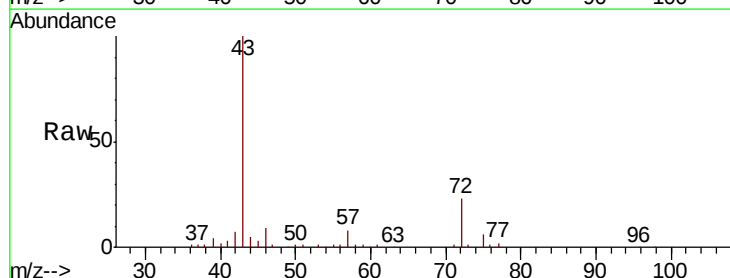
Acq: 22 Apr 2020 14:07

Tgt Ion: 43 Resp: 126502

Ion	Ratio	Lower	Upper
43	100		
72	24.6	12.3	36.9

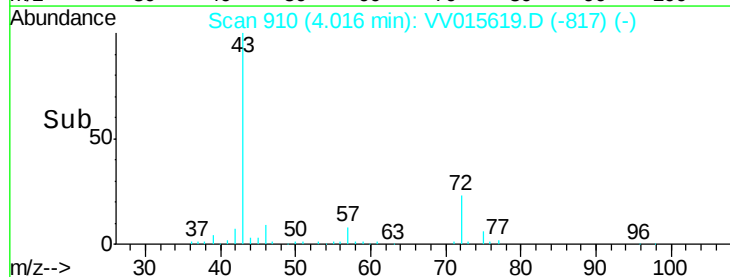
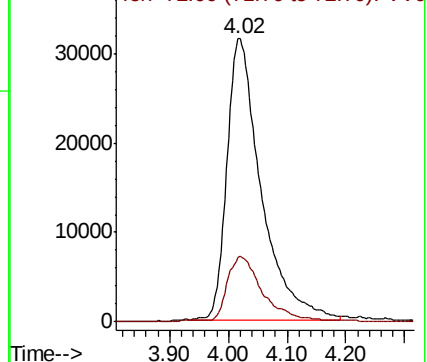
43 100

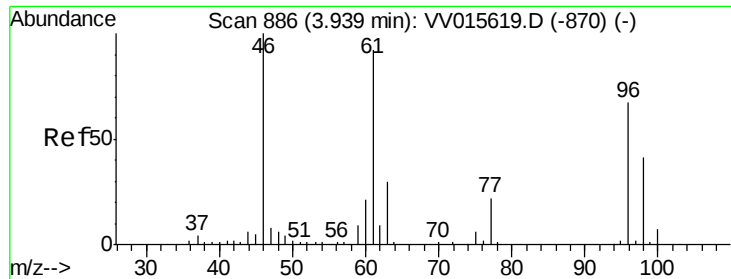
72 24.6 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV015619.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VV015619.D (-885) (-)



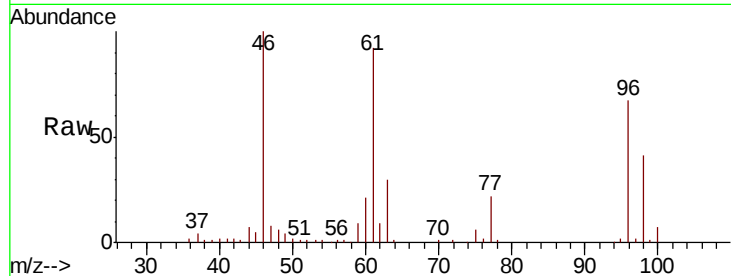


#22

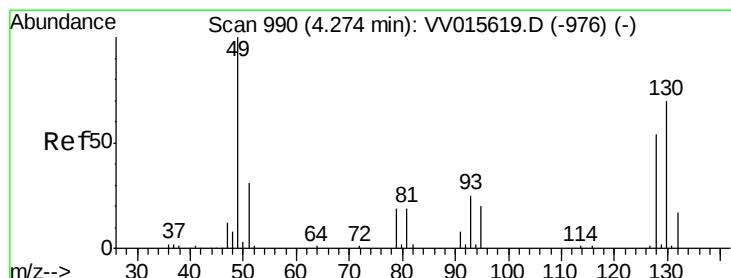
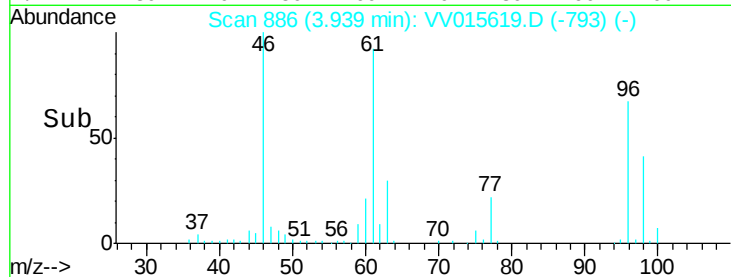
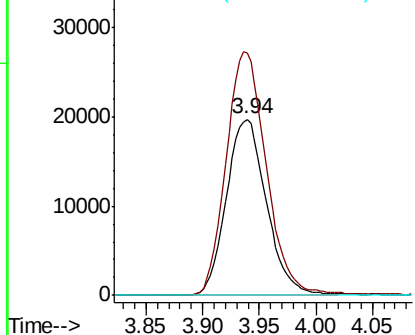
cis-1,2-Dichloroethene
Concen: 4.948 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV015619.D
Acq: 22 Apr 2020 14:07

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 48655
Ion Ratio Lower Upper
96 100
61 137.7 96.4 179.0
68 0.0 0.0 0.0



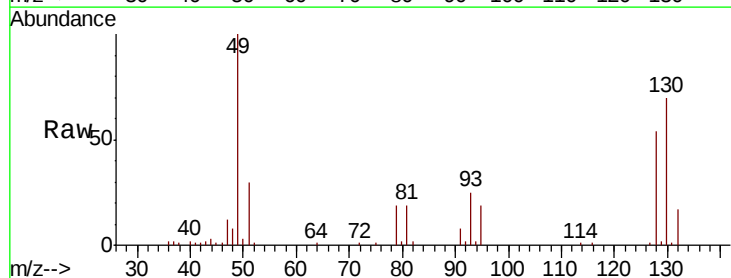
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



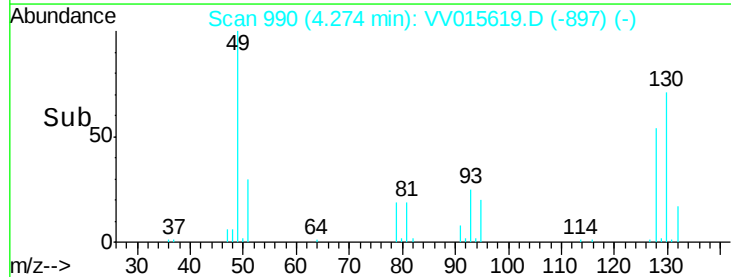
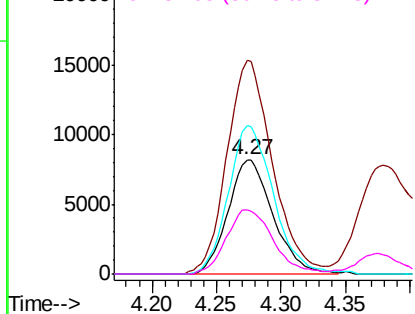
#23

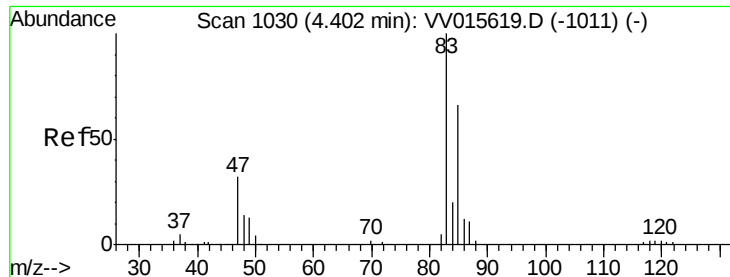
Bromochloromethane
Concen: 4.875 ug/L
RT: 4.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VV015619.D
Acq: 22 Apr 2020 14:07

Tgt Ion: 128 Resp: 19908
Ion Ratio Lower Upper
128 100
49 186.8 130.8 242.8
130 130.2 91.1 169.3
51 56.5 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

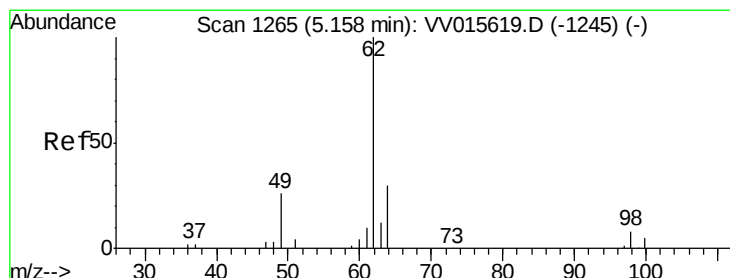
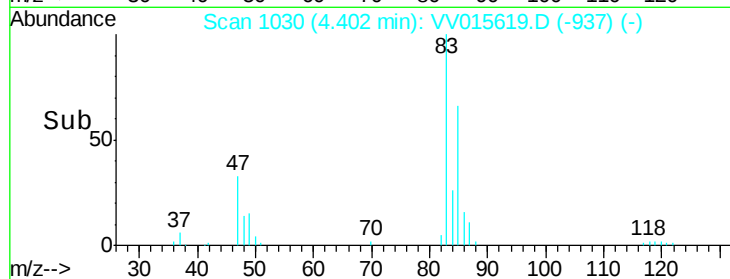
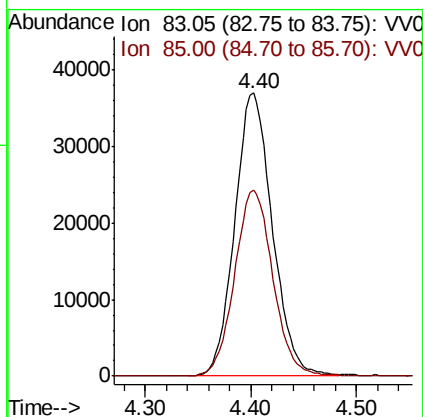
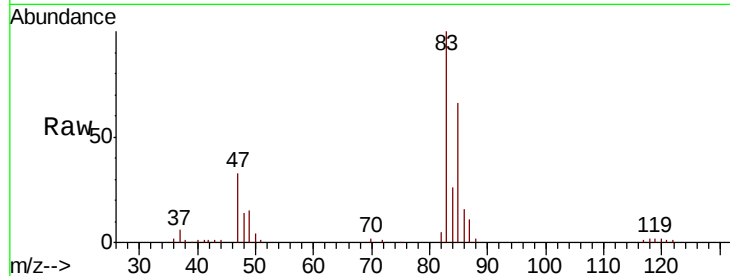




#25
Chloroform
Concen: 4.977 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015619.D
Acq: 22 Apr 2020 14:07

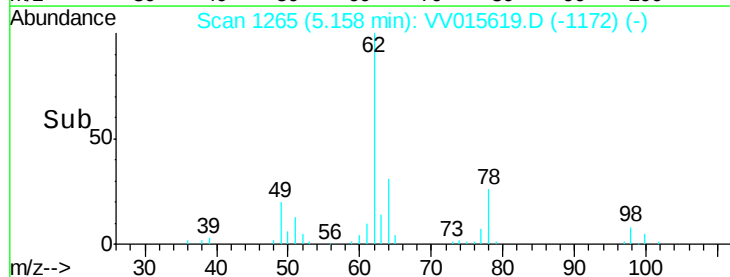
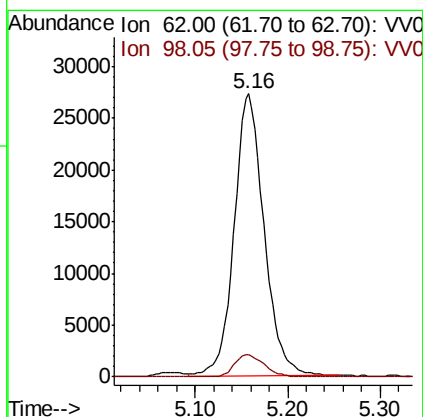
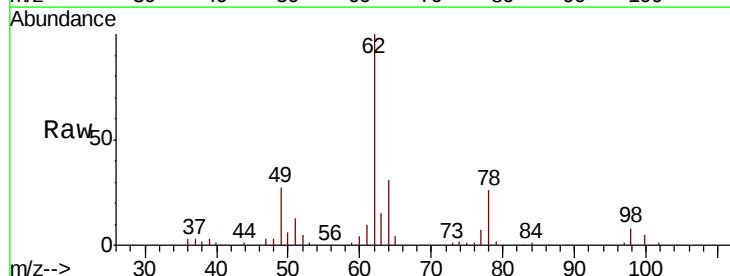
Instrument :
MSVOA_V
ClientSampleId :

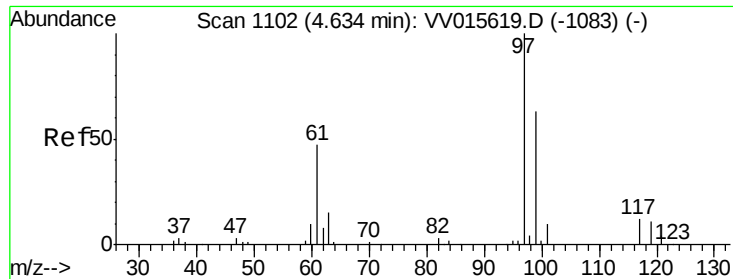
Tot Ion: 83 Resp: 91562
Ion Ratio Lower Upper
83 100
85 65.8 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.136 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015619.D
Acq: 22 Apr 2020 14:07

Tgt Ion: 62 Resp: 61136
Ion Ratio Lower Upper
62 100
98 7.9 6.3 9.5

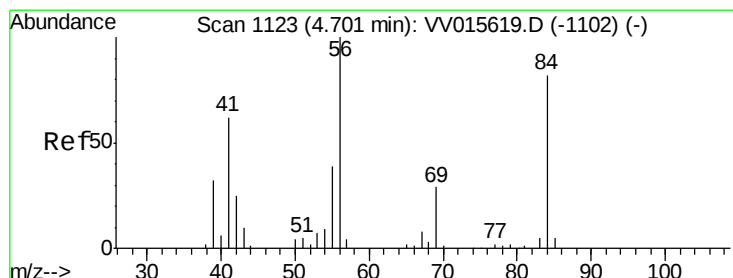
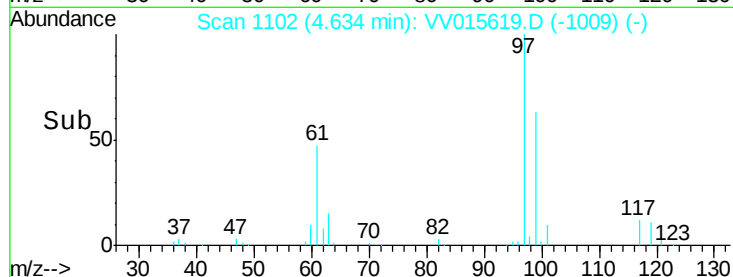
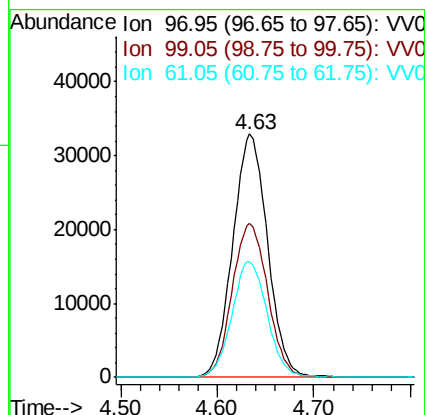
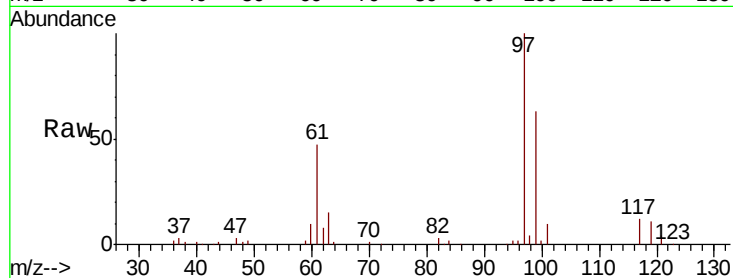




#29
 1,1,1-Trichloroethane
 Concen: 5.050 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV015619.D
 Acq: 22 Apr 2020 14:07

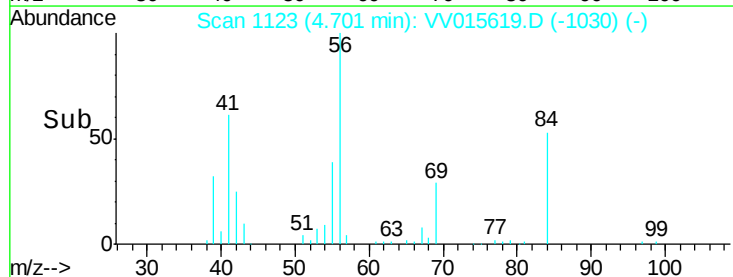
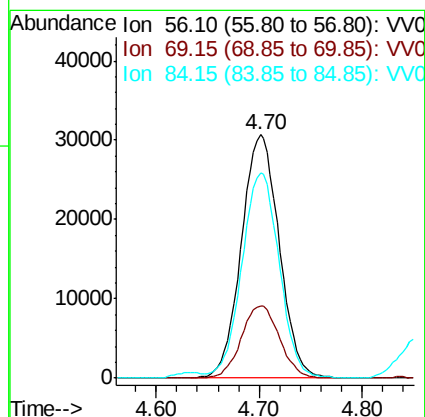
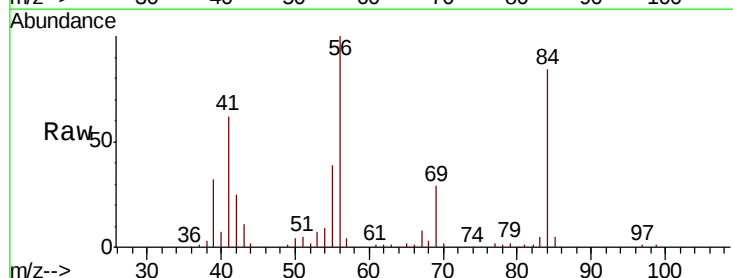
Instrument :
 MSVOA_V
 ClientSampleId :

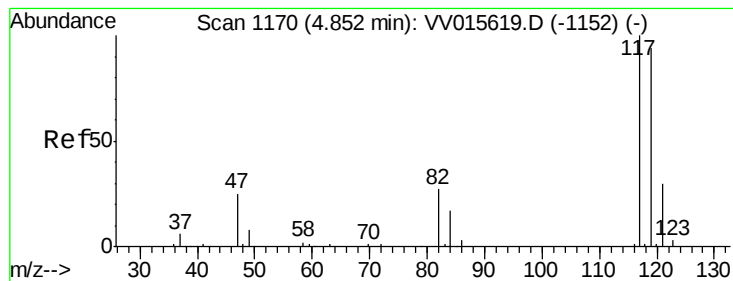
Tot Ion: 97 Resp: 82521
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.6 77.4
 61 48.2 38.6 57.8



#30
 Cyclohexane
 Concen: 4.610 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VV015619.D
 Acq: 22 Apr 2020 14:07

Tgt Ion: 56 Resp: 78250
 Ion Ratio Lower Upper
 56 100
 69 29.9 23.9 35.9
 84 83.6 66.9 100.3





#31

Carbon tetrachloride

Concen: 4.840 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV015619.D

Acq: 22 Apr 2020 14:07

Instrument :

MSVOA_V

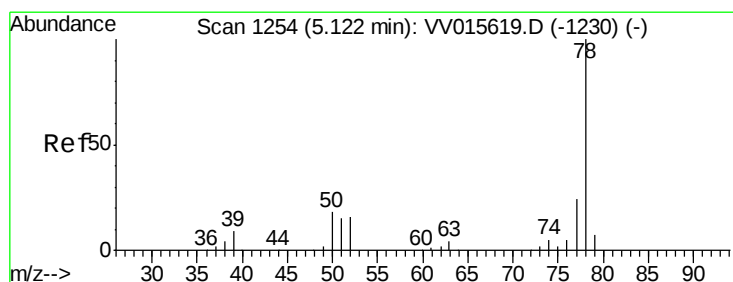
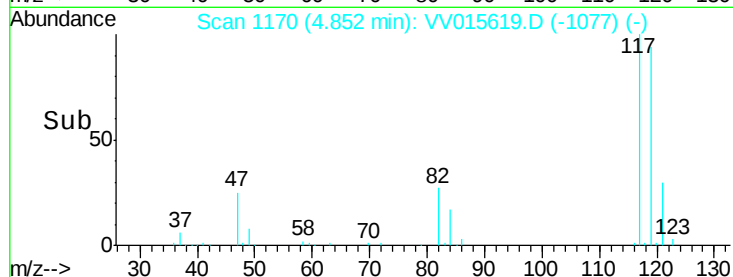
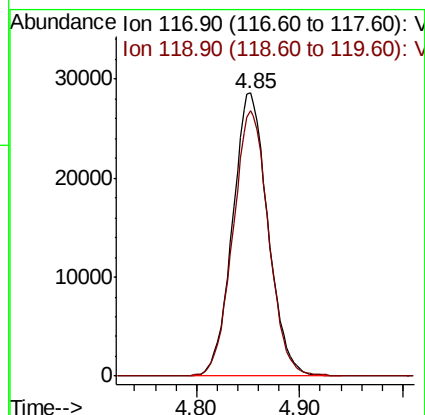
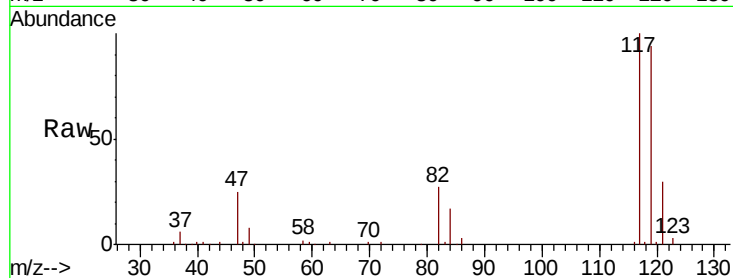
ClientSampleId :

Tot Ion:117 Resp: 68051

Ion Ratio Lower Upper

117 100

119 94.5 75.6 113.4



#33

Benzene

Concen: 4.973 ug/L

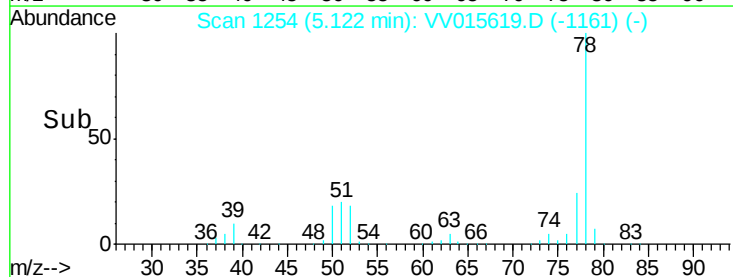
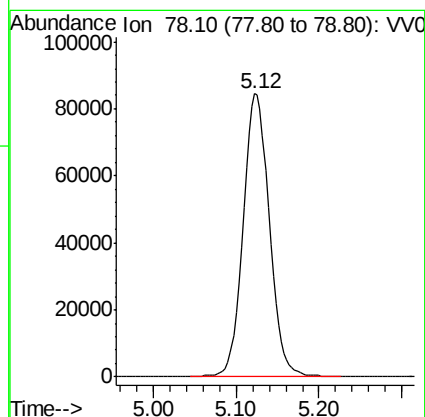
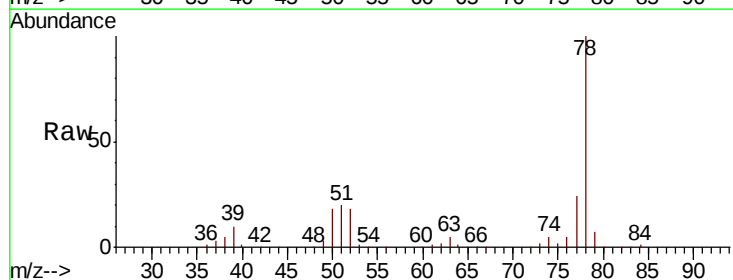
RT: 5.12 min Scan# 1254

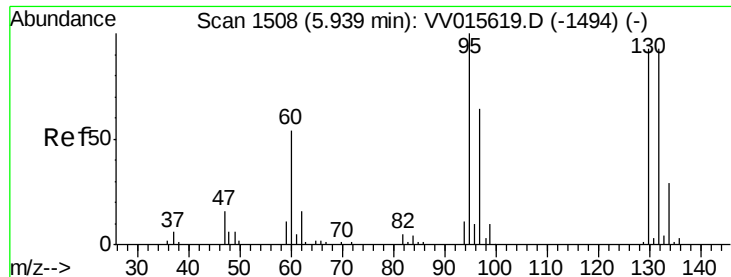
Delta R.T. 0.00 min

Lab File: VV015619.D

Acq: 22 Apr 2020 14:07

Tgt Ion: 78 Resp: 186249

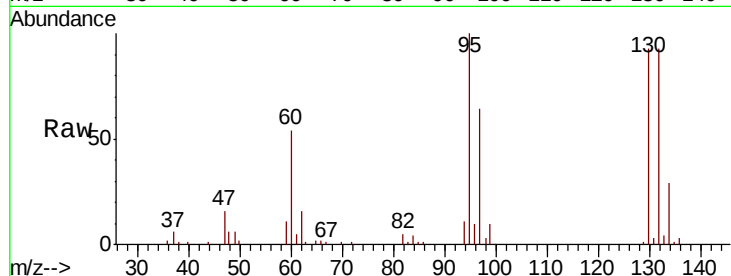




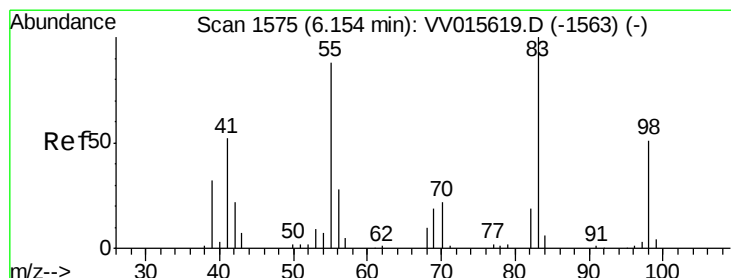
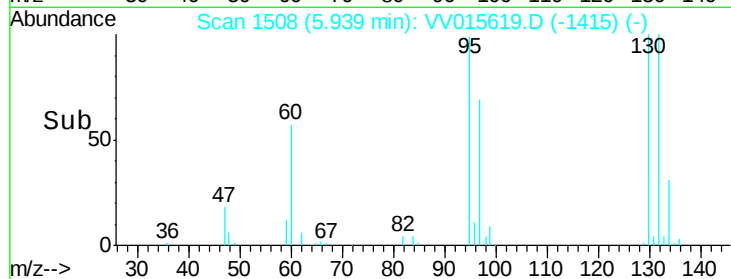
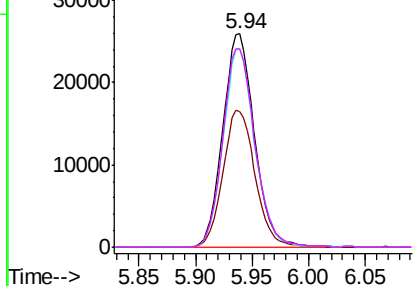
#34
 Trichloroethene
 Concen: 4.983 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV015619.D
 Acq: 22 Apr 2020 14:07

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 50586
 Ion Ratio Lower Upper
 95 100
 97 63.8 44.7 82.9
 132 93.1 65.2 121.0
 130 92.8 65.0 120.6

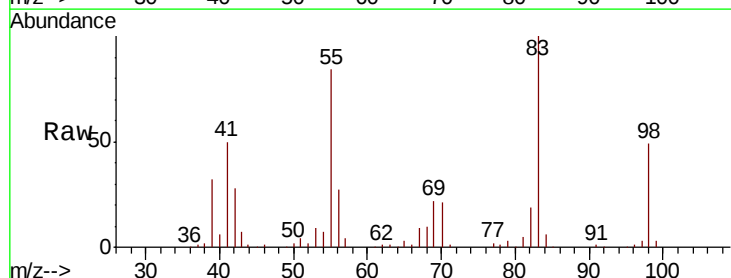


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

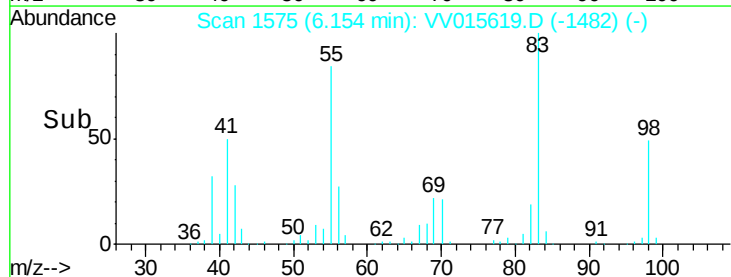
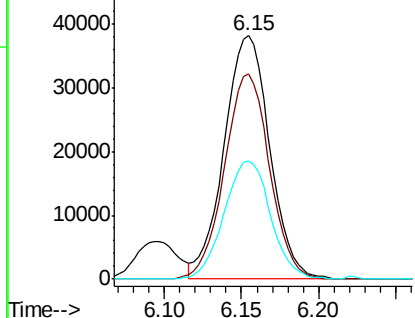


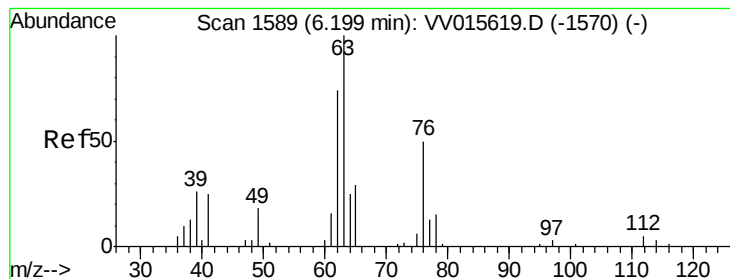
#35
 Methylcyclohexane
 Concen: 4.693 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV015619.D
 Acq: 22 Apr 2020 14:07

Tgt Ion: 83 Resp: 78365
 Ion Ratio Lower Upper
 83 100
 55 83.2 66.6 99.8
 98 49.4 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: 5.003 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV015619.D

Acq: 22 Apr 2020 14:07

Instrument :

MSVOA_V

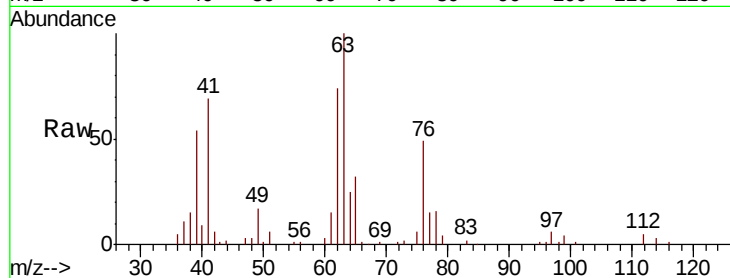
ClientSampled :

Tot Ion: 63 Resp: 46670

Ion Ratio Lower Upper

63 100

112 4.5 3.6 5.4



Abundance Ion 63.10 (62.80 to 63.80): VV015619.D (-1570) (-)

Ion 112.10 (111.80 to 112.80): VV015619.D (-1570) (-)

25000

20000

15000

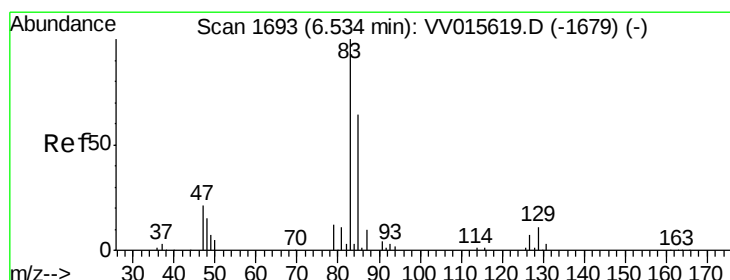
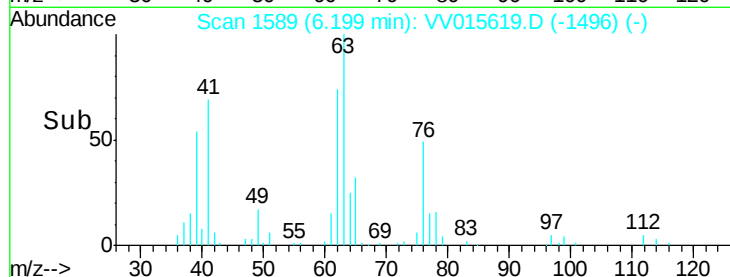
10000

5000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 4.790 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV015619.D

Acq: 22 Apr 2020 14:07

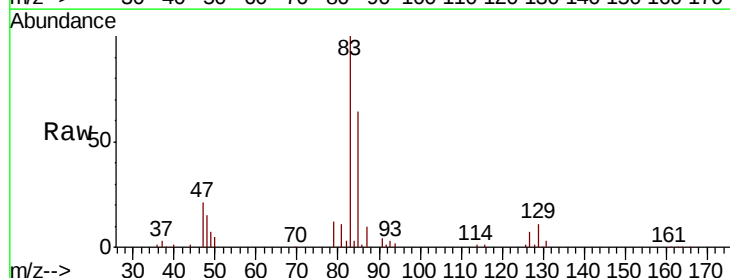
Tgt Ion: 83 Resp: 58744

Ion Ratio Lower Upper

83 100

85 63.9 44.7 83.1

127 7.2 5.8 8.6



Abundance Ion 82.95 (82.65 to 83.65): VV015619.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV015619.D (-1679) (-)

Ion 126.90 (126.60 to 127.60): VV015619.D (-1679) (-)

40000

30000

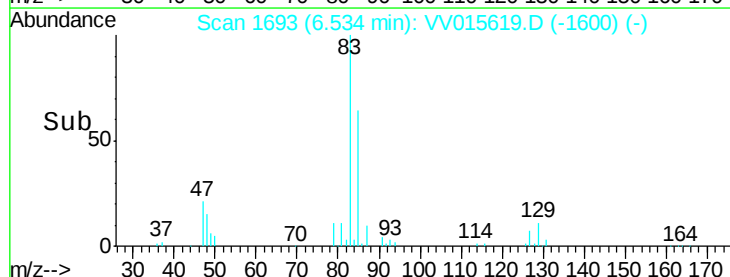
20000

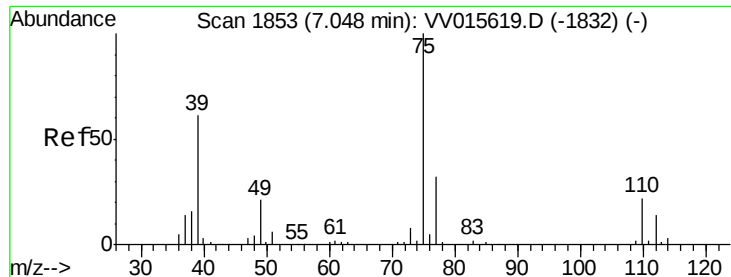
10000

0

6.45 6.50 6.55 6.60 6.65

Time-->

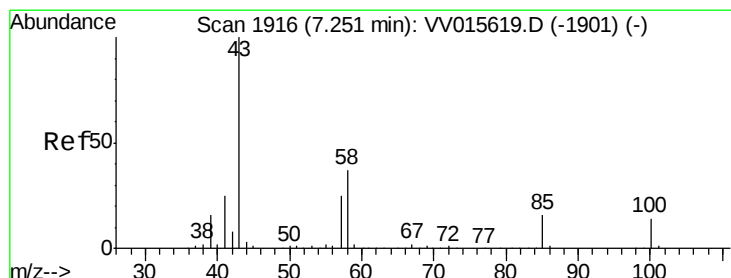
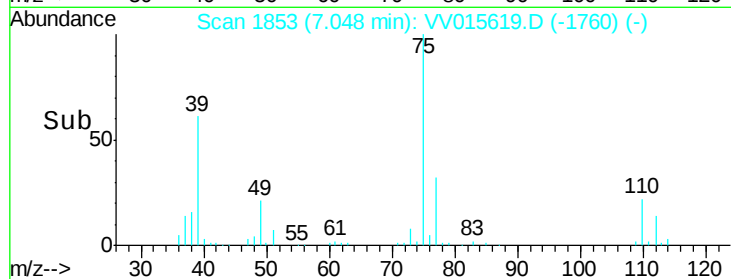
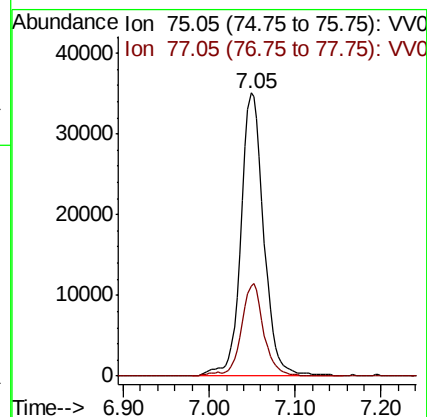
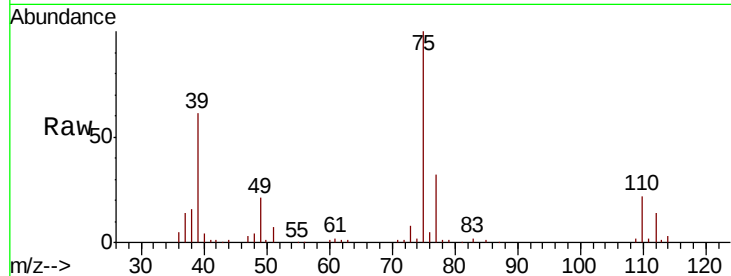




#39
 cis-1,3-Dichloropropene
 Concen: 4.632 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015619.D
 Acq: 22 Apr 2020 14:07

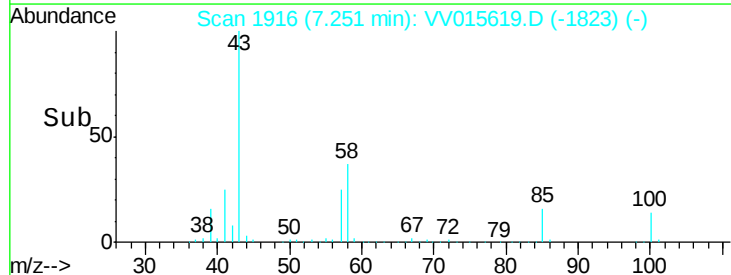
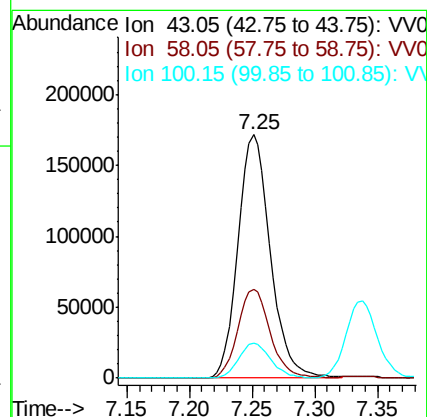
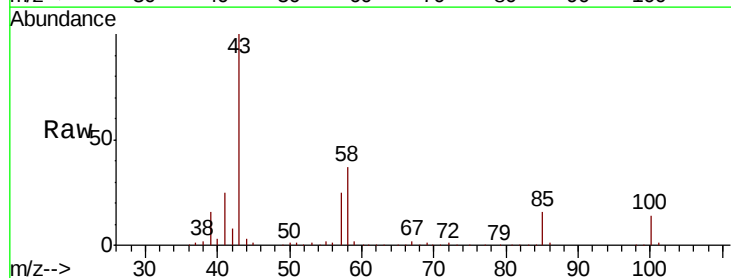
Instrument :
 MSVOA_V
 ClientSampleId :

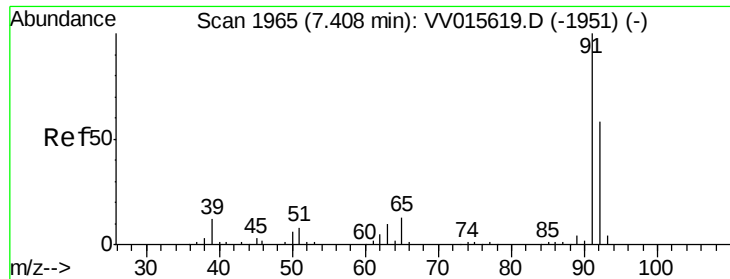
Tot Ion: 75 Resp: 64895
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 50.383 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV015619.D
 Acq: 22 Apr 2020 14:07

Tgt Ion: 43 Resp: 308148
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.2 43.8
 100 14.3 11.4 17.2





#42

Toluene

Concen: 4.879 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015619.D

Acq: 22 Apr 2020 14:07

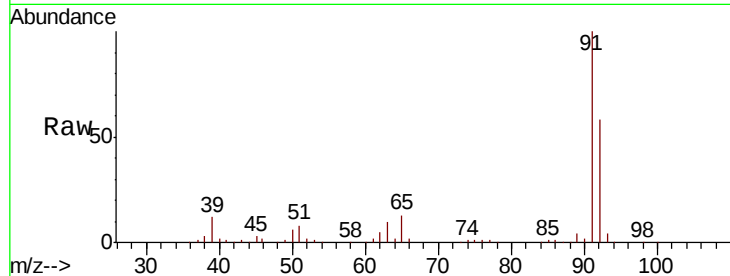
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 197654

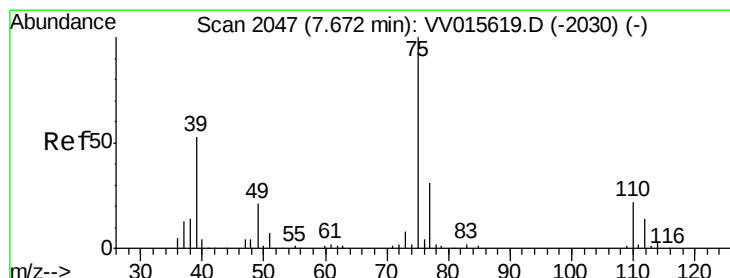
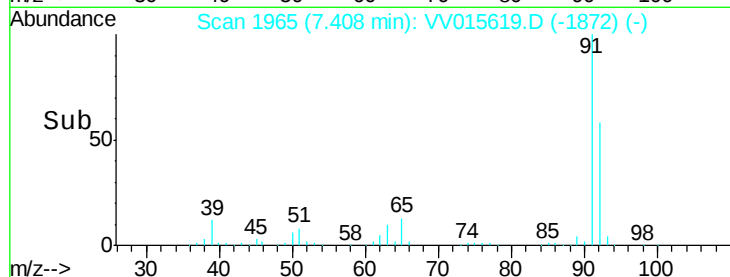
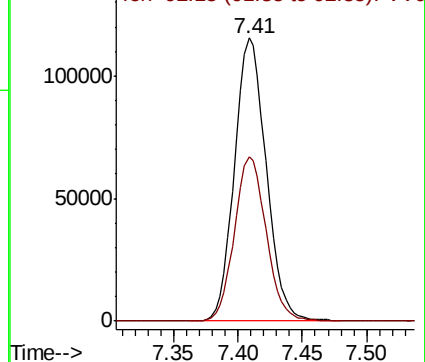
Ion Ratio Lower Upper

91 100

92 58.2 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: 4.743 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015619.D

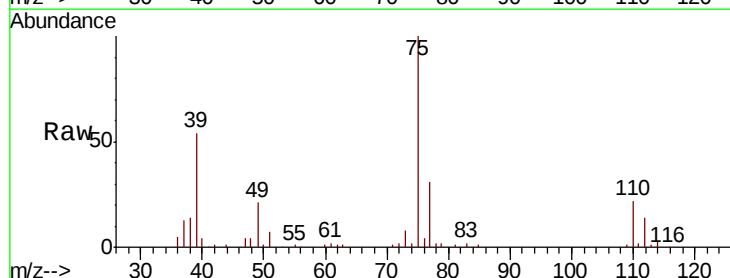
Acq: 22 Apr 2020 14:07

Tgt Ion: 75 Resp: 56484

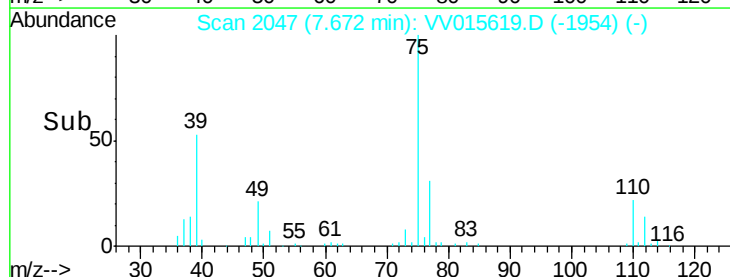
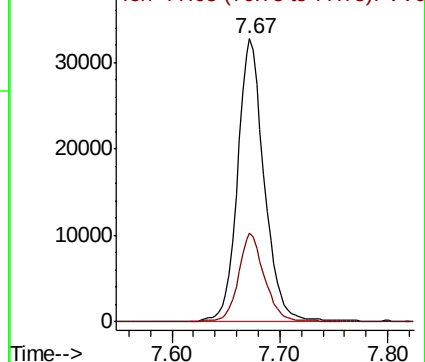
Ion Ratio Lower Upper

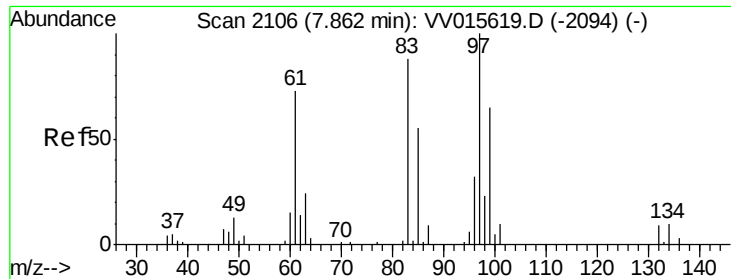
75 100

77 31.2 21.8 40.6



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

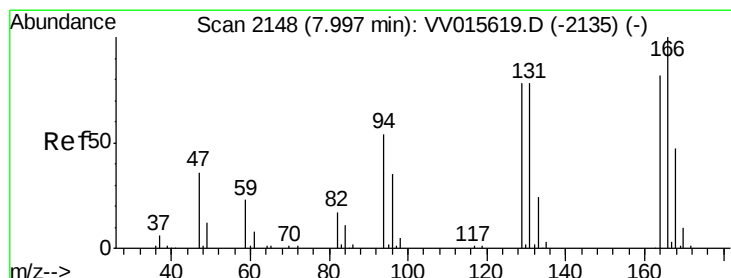
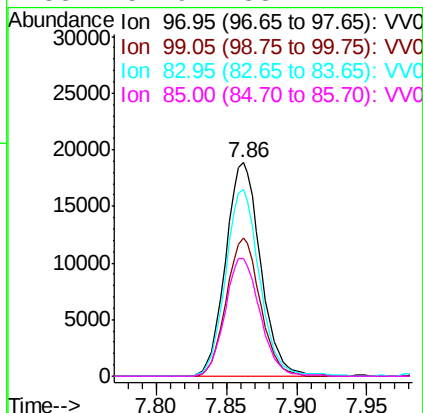
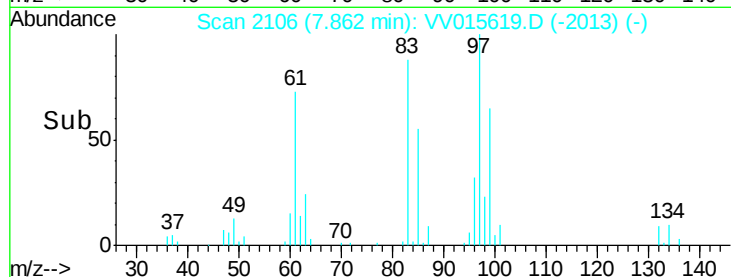
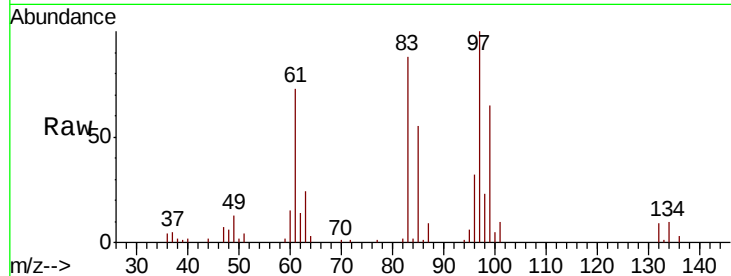




#45
 1,1,2-Trichloroethane
 Concen: 5.190 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV015619.D
 Acq: 22 Apr 2020 14:07

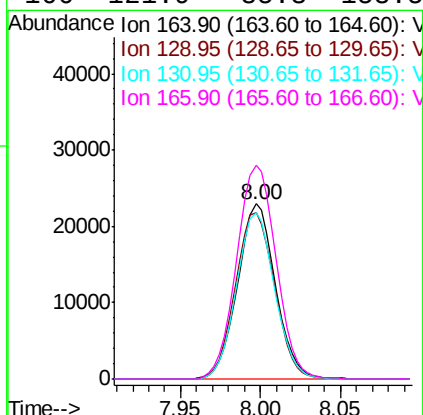
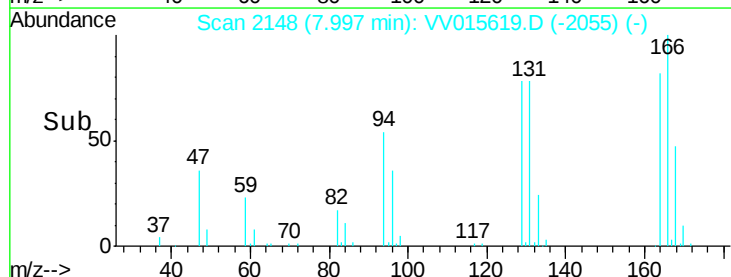
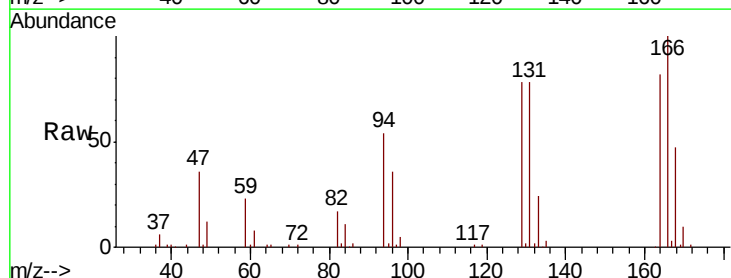
Instrument :
 MSVOA_V
 ClientSampled :

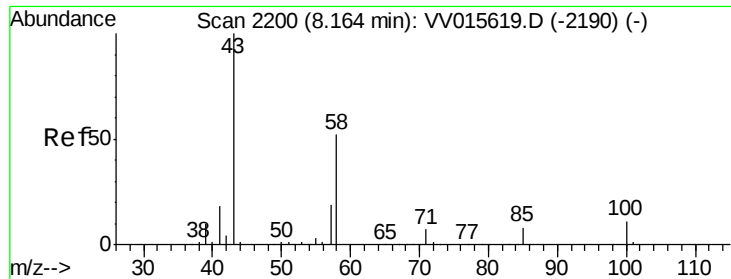
Tot Ion:	97	Resp:	32764
Ion	Ratio	Lower	Upper
97	100		
99	64.9	45.4	84.4
83	87.6	61.3	113.9
85	54.9	38.4	71.4



#47
 Tetrachloroethene
 Concen: 4.937 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015619.D
 Acq: 22 Apr 2020 14:07

Tgt Ion:	164	Resp:	36833
Ion	Ratio	Lower	Upper
164	100		
129	95.3	66.7	123.9
131	95.1	66.6	123.6
166	121.9	85.3	158.5

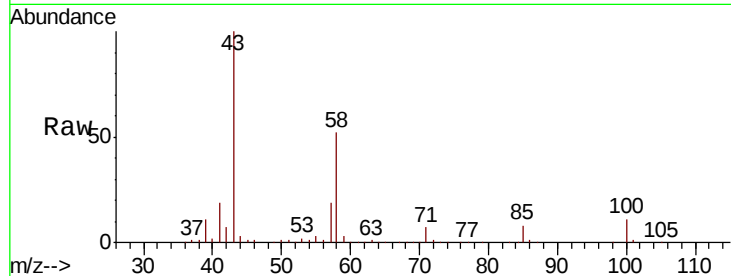




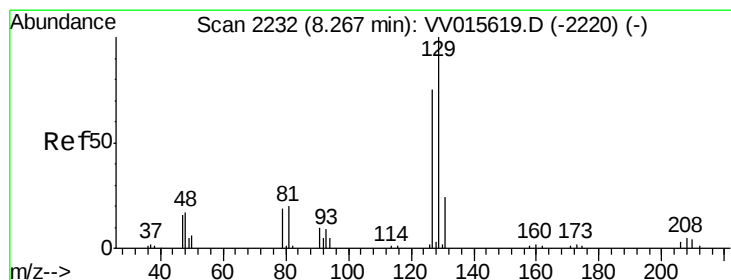
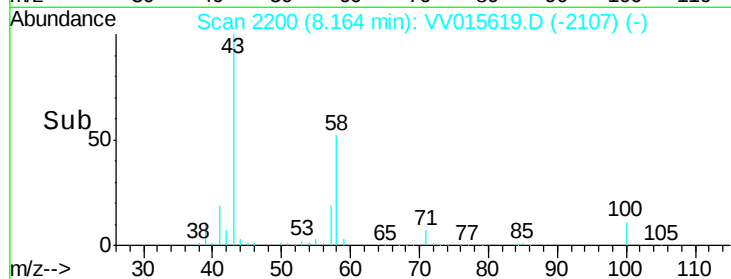
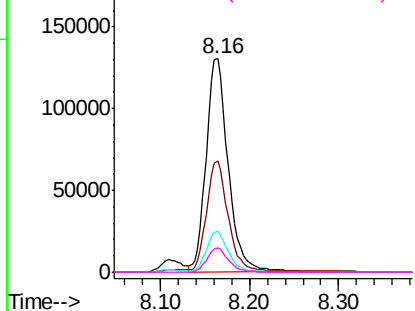
#48
2-Hexanone
Concen: 52.179 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015619.D
Acq: 22 Apr 2020 14:07

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 224032
Ion Ratio Lower Upper
43 100
58 51.4 41.1 61.7
57 18.7 15.0 22.4
100 11.2 9.0 13.4

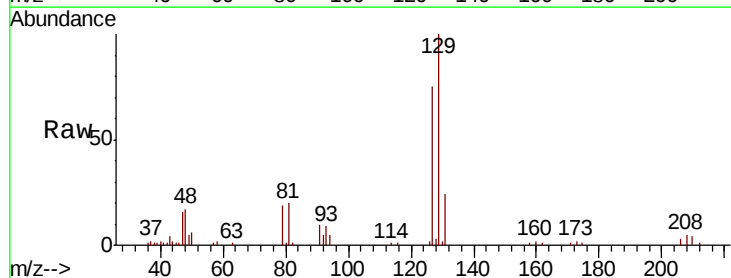


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

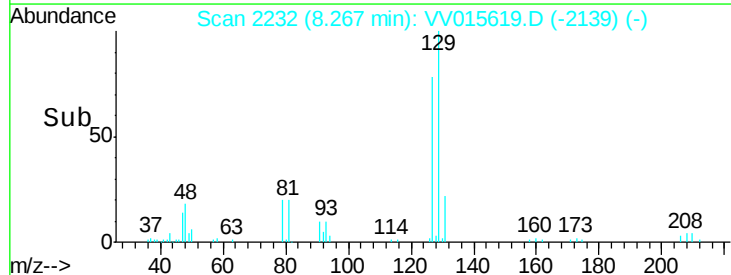
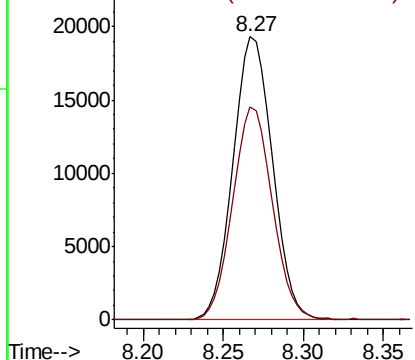


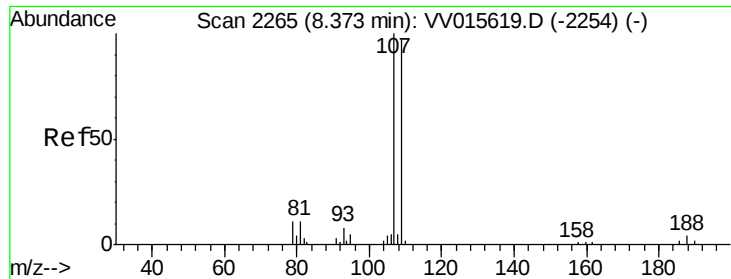
#49
Dibromochloromethane
Concen: 4.449 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015619.D
Acq: 22 Apr 2020 14:07

Tgt Ion: 129 Resp: 32524
Ion Ratio Lower Upper
129 100
127 75.2 52.6 97.8



Abundance Ion 128.95 (128.65 to 129.65): VV0
Ion 126.90 (126.60 to 127.60): VV0

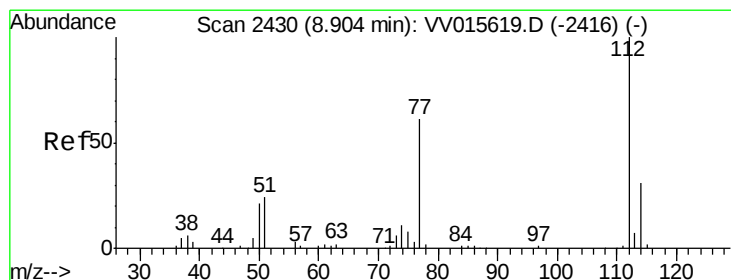
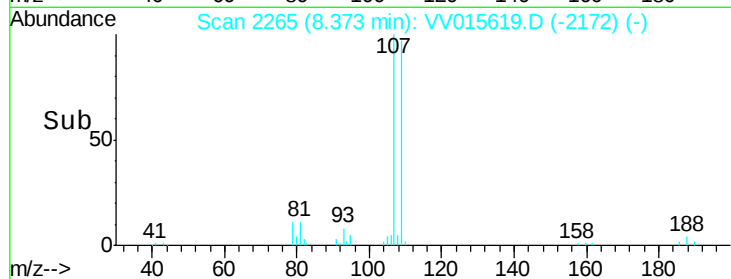
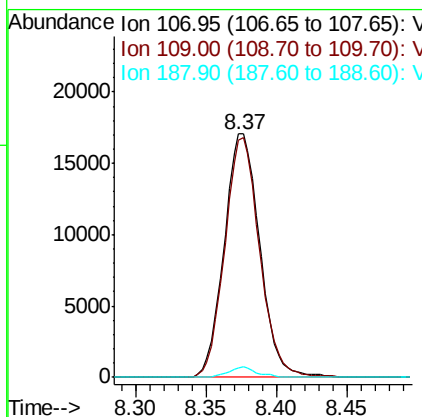
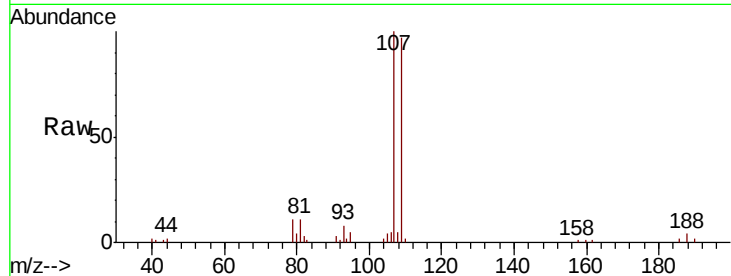




#50
1,2-Dibromoethane
Concen: 5.010 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV015619.D
Acq: 22 Apr 2020 14:07

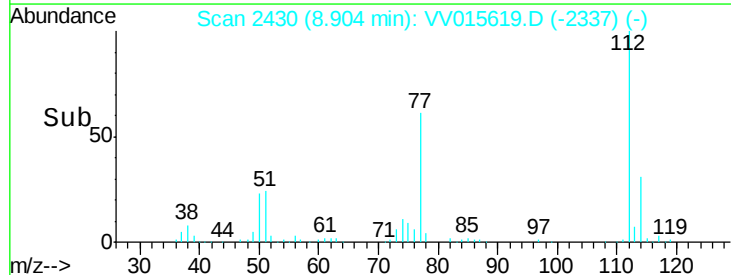
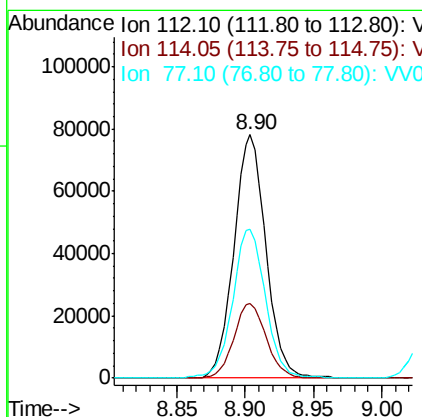
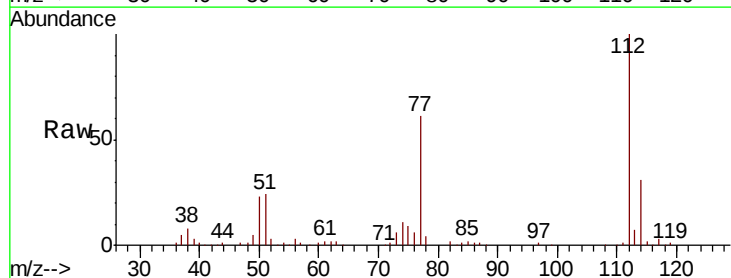
Instrument :
MSVOA_V
ClientSampleId :

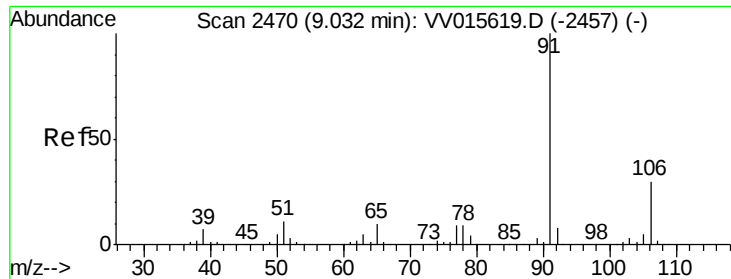
Tot Ion:107 Resp: 30087
Ion Ratio Lower Upper
107 100
109 97.3 68.1 126.5
188 4.0 3.2 4.8



#51
Chlorobenzene
Concen: 4.898 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015619.D
Acq: 22 Apr 2020 14:07

Tgt Ion:112 Resp: 126893
Ion Ratio Lower Upper
112 100
114 30.9 21.6 40.2
77 61.1 48.9 73.3

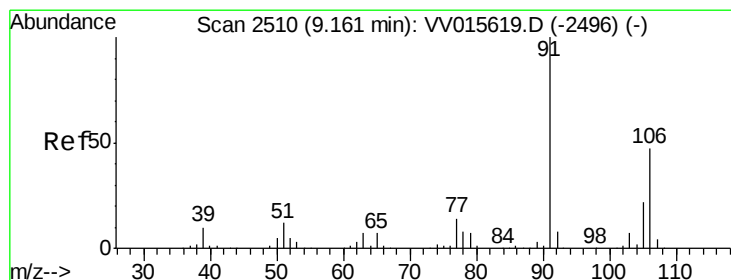
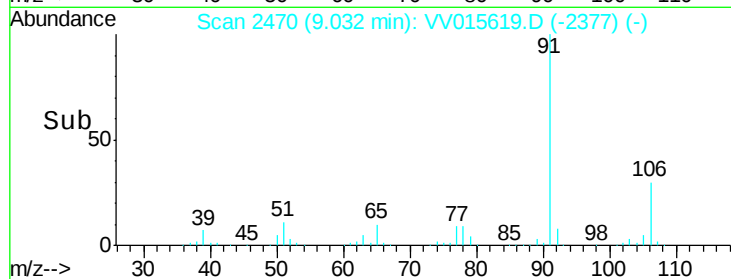
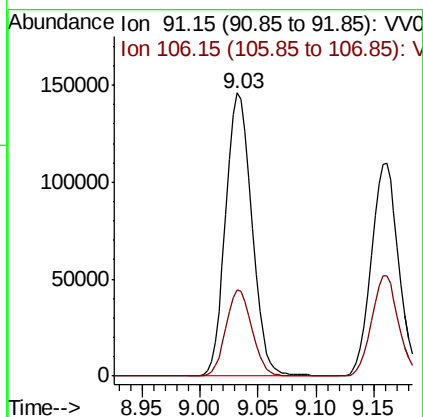
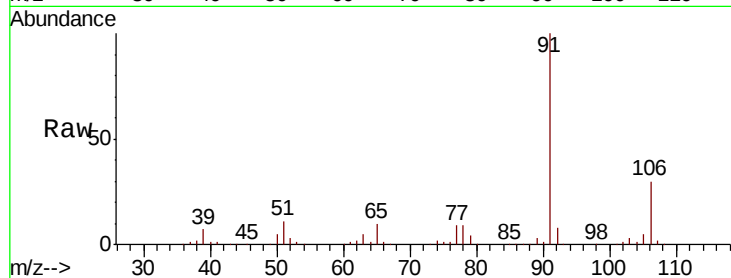




#52
Ethylbenzene
Concen: 4.906 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV015619.D
Acq: 22 Apr 2020 14:07

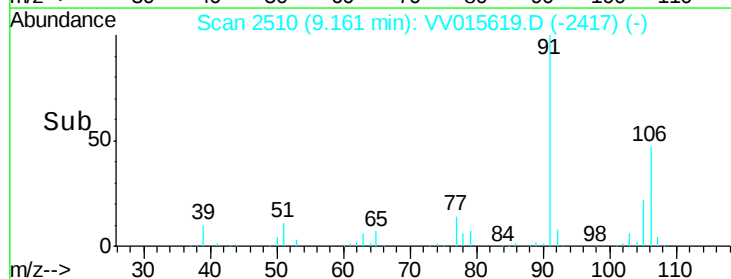
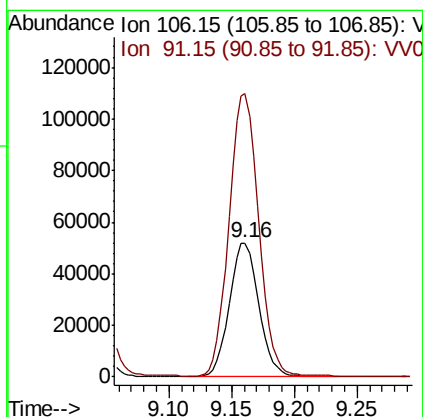
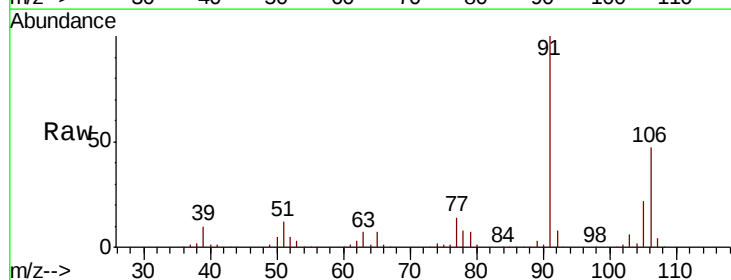
Instrument :
MSVOA_V
ClientSampleId :

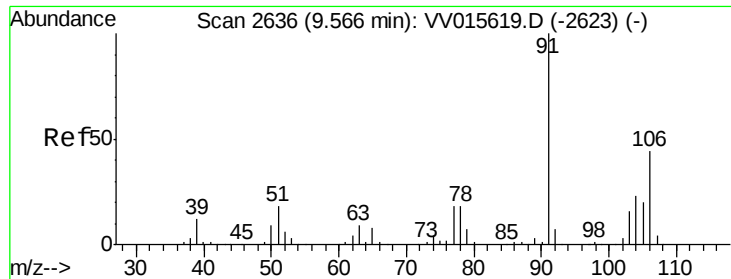
Tot Ion: 91 Resp: 228460
Ion Ratio Lower Upper
91 100
106 30.4 21.3 39.5



#53
m,p-xylene
Concen: 4.802 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV015619.D
Acq: 22 Apr 2020 14:07

Tgt Ion: 106 Resp: 84226
Ion Ratio Lower Upper
106 100
91 211.1 147.8 274.4

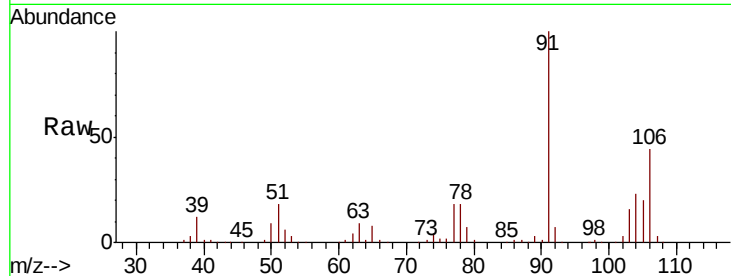




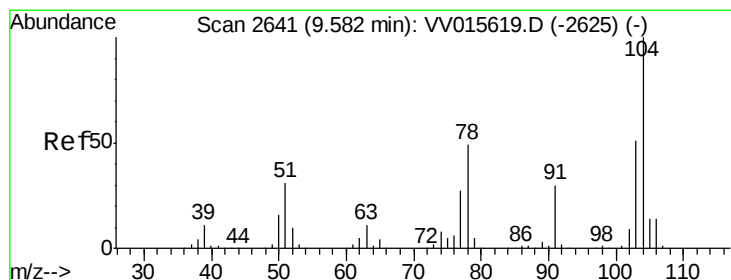
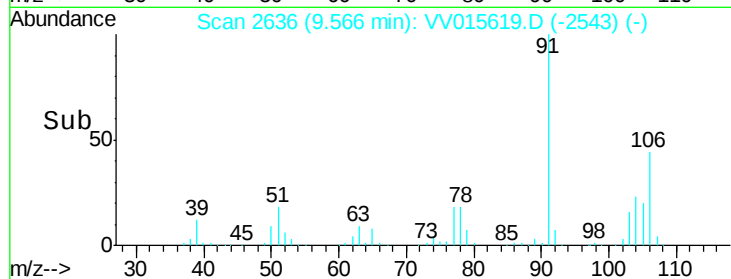
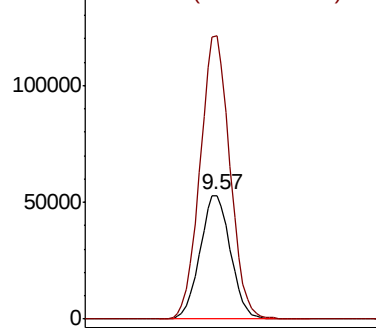
#54
o-xylene
Concen: 4.843 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV015619.D
Acq: 22 Apr 2020 14:07

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 82287
Ion Ratio Lower Upper
106 100
91 228.3 159.8 296.8

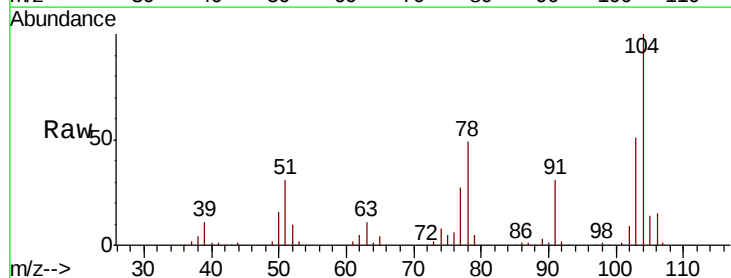


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

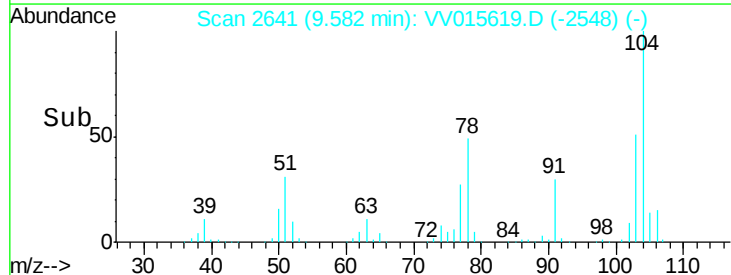
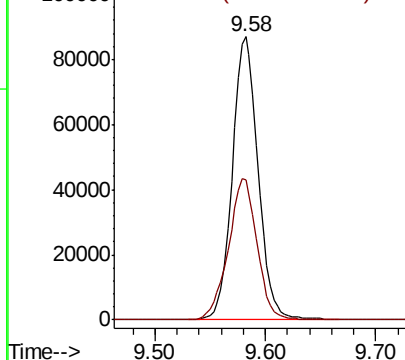


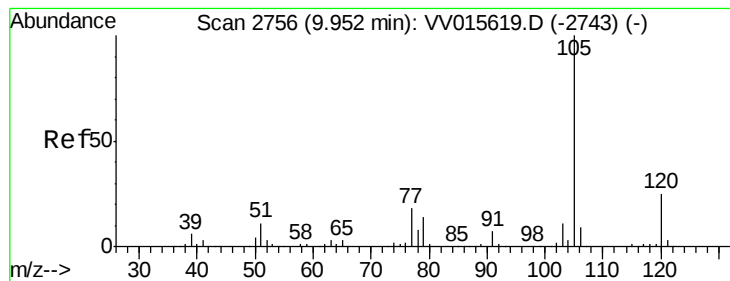
#55
Styrene
Concen: 4.925 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV015619.D
Acq: 22 Apr 2020 14:07

Tgt Ion:104 Resp: 140951
Ion Ratio Lower Upper
104 100
78 49.3 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: 4.848 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015619.D

Acq: 22 Apr 2020 14:07

Instrument :
MSVOA_V
ClientSampleId :

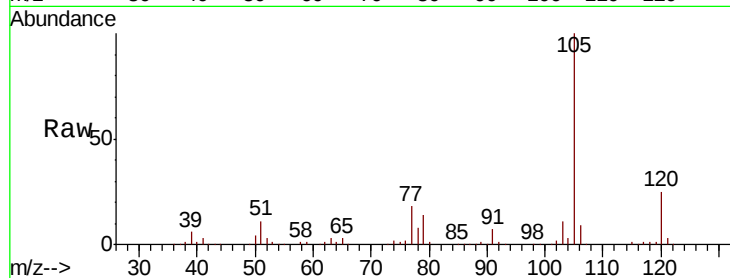
Tot Ion:105 Resp: 226504

Ion Ratio Lower Upper

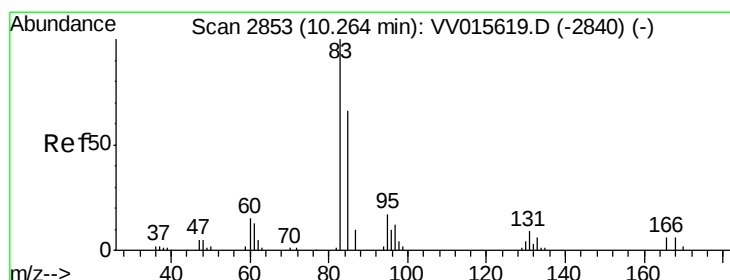
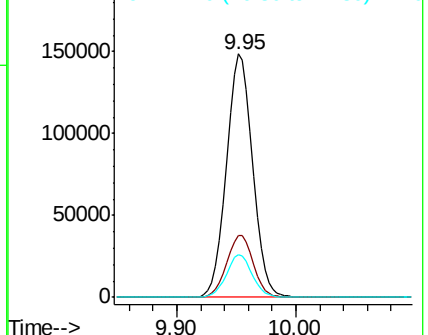
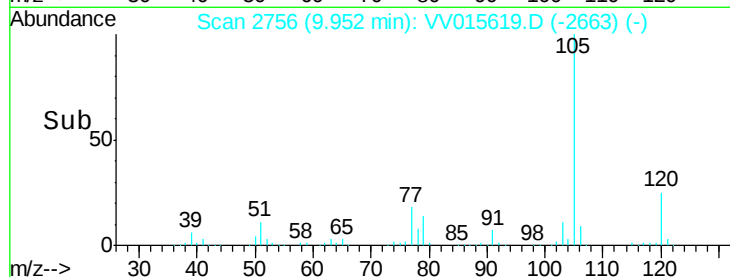
105 100

120 25.9 20.7 31.1

77 17.4 13.9 20.9



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.940 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015619.D

Acq: 22 Apr 2020 14:07

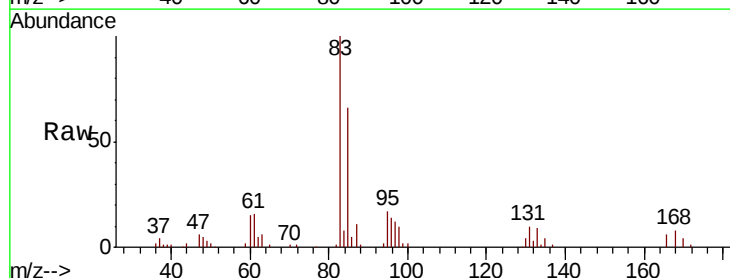
Tgt Ion: 83 Resp: 37473

Ion Ratio Lower Upper

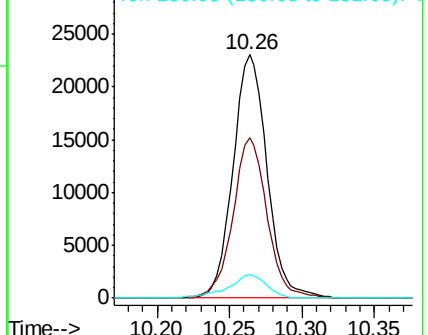
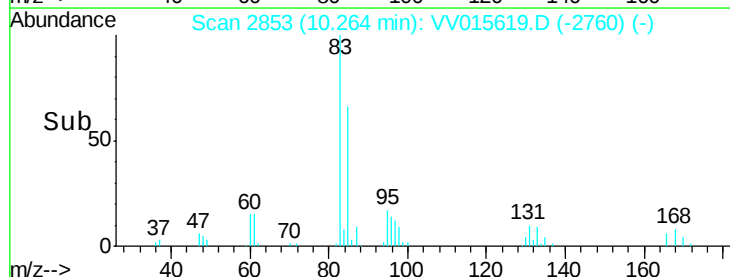
83 100

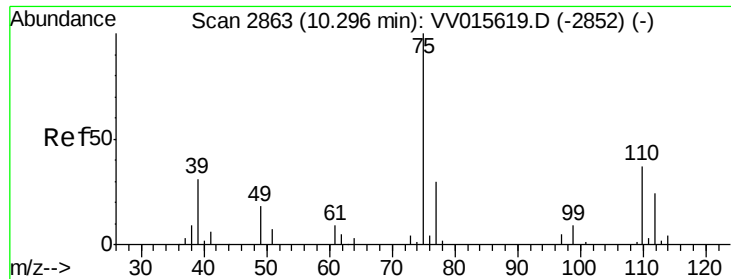
85 66.1 46.3 85.9

131 9.6 7.7 11.5



Abundance Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.157 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015619.D

Acq: 22 Apr 2020 14:07

Instrument :

MSVOA_V

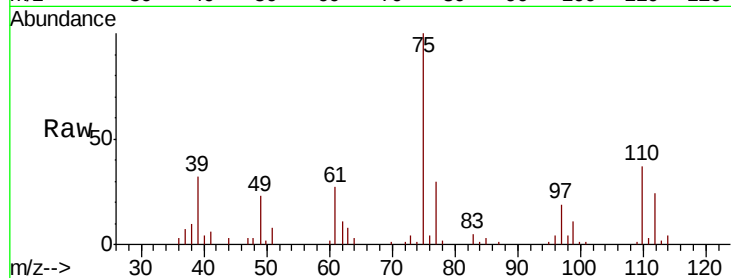
ClientSampleId :

Tot Ion: 75 Resp: 29844

Ion Ratio Lower Upper

75 100

77 32.5 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV015619.D (-2852) (-)

Ion 77.00 (76.70 to 77.70): VV015619.D (-2852) (-)

10.30

20000

15000

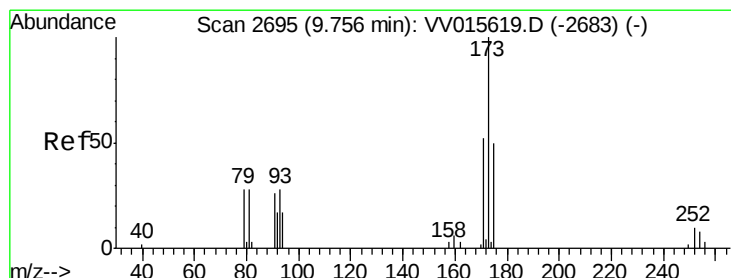
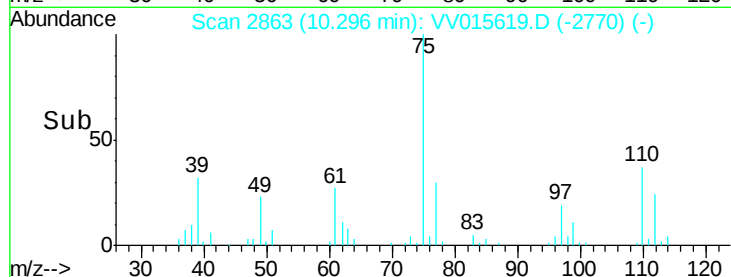
10000

5000

0

Time-->

10.25 10.30 10.35



#61

Bromoform

Concen: 3.543 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV015619.D

Acq: 22 Apr 2020 14:07

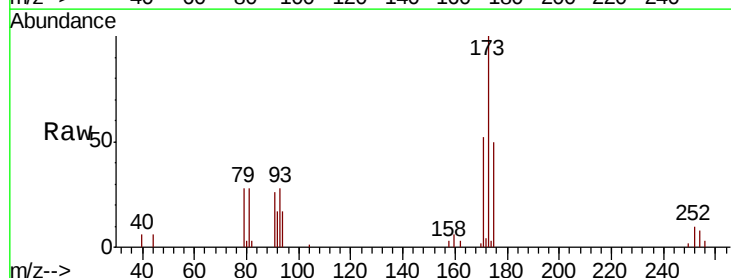
Tgt Ion: 173 Resp: 12656

Ion Ratio Lower Upper

173 100

175 49.8 39.8 59.8

254 7.3 5.8 8.8



Abundance Ion 172.90 (172.60 to 173.60): VV015619.D (-2683) (-)

Ion 174.90 (174.60 to 175.60): VV015619.D (-2683) (-)

Ion 253.75 (253.45 to 254.45): VV015619.D (-2683) (-)

9.76

10000

8000

6000

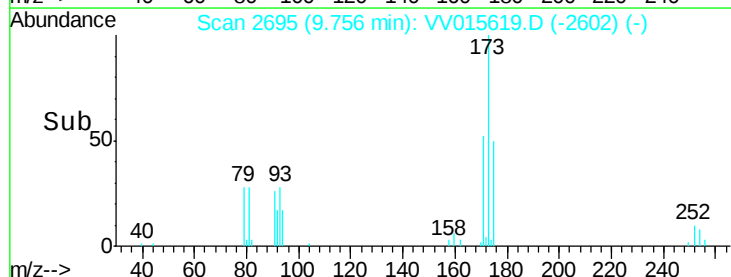
4000

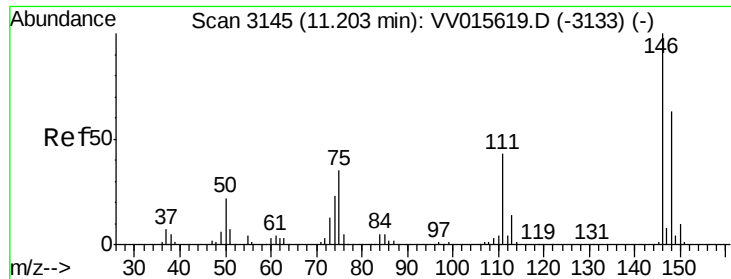
2000

0

Time-->

9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 4.966 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015619.D

Acq: 22 Apr 2020 14:07

Instrument :

MSVOA_V

ClientSampled :

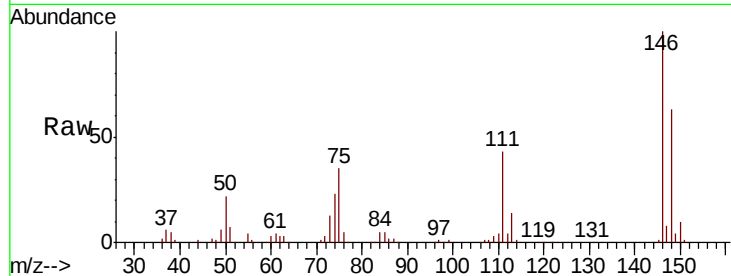
Tot Ion:146 Resp: 104054

Ion Ratio Lower Upper

146 100

111 42.8 30.0 55.6

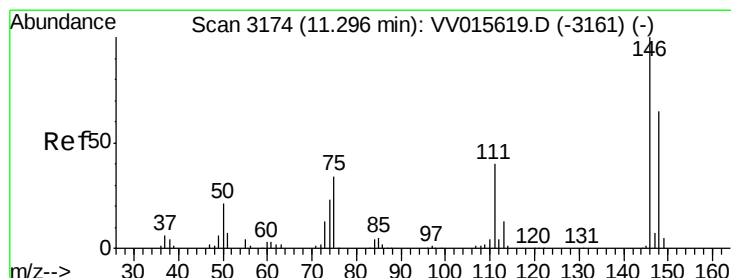
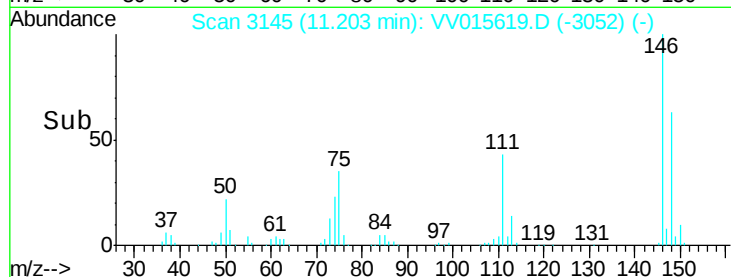
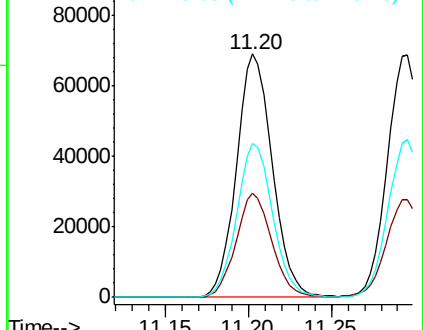
148 63.2 44.2 82.2



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: 4.868 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015619.D

Acq: 22 Apr 2020 14:07

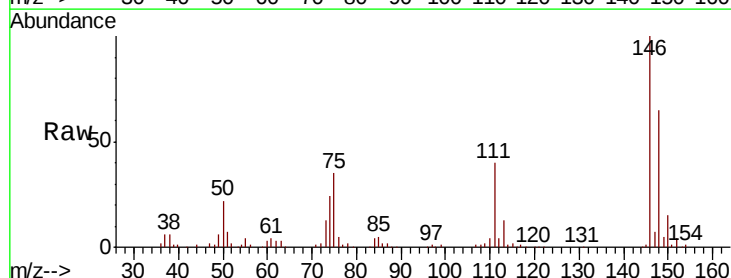
Tgt Ion:146 Resp: 103946

Ion Ratio Lower Upper

146 100

111 40.3 28.2 52.4

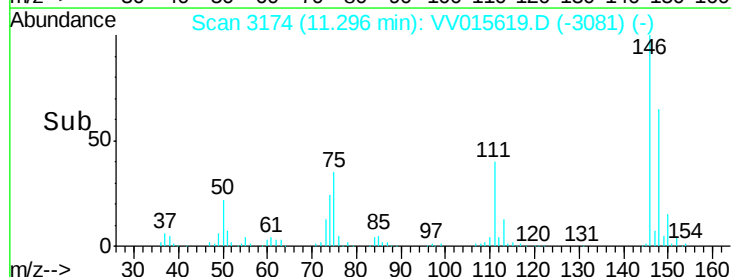
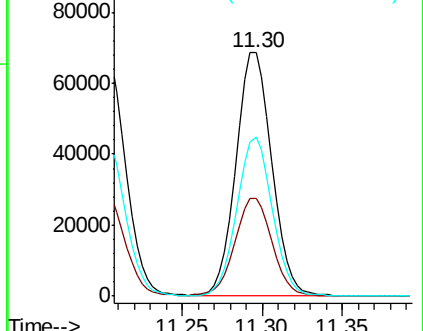
148 65.3 45.7 84.9

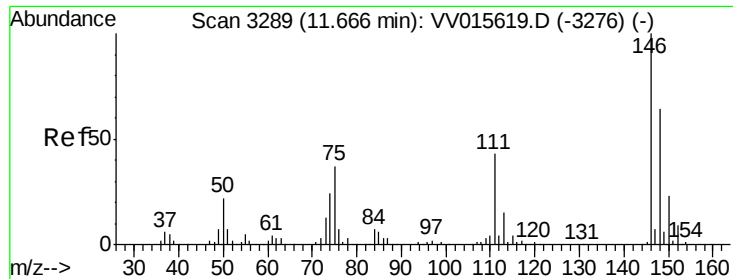


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.964 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015619.D

Acq: 22 Apr 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

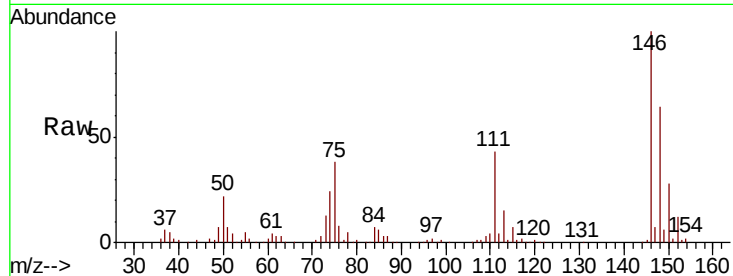
Tot Ion:146 Resp: 95313

Ion Ratio Lower Upper

146 100

111 43.4 34.7 52.1

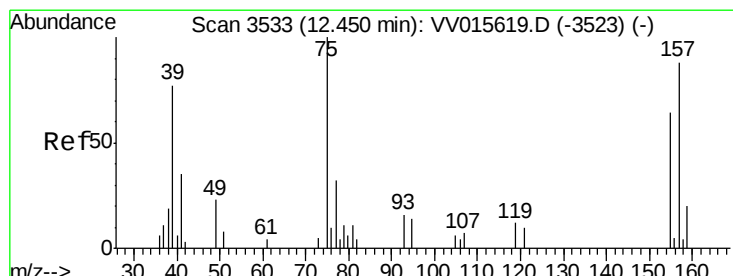
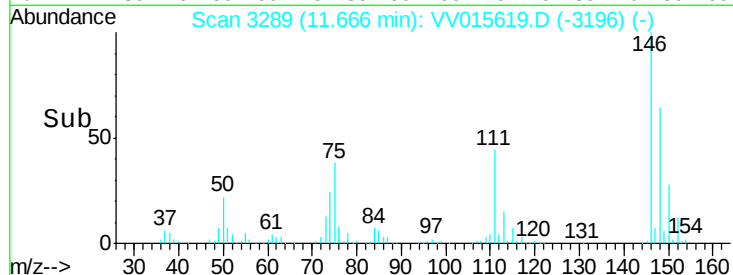
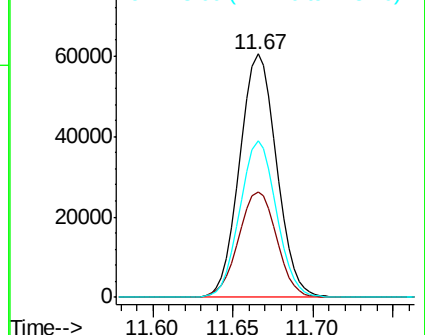
148 64.1 51.3 76.9



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: 4.481 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV015619.D

Acq: 22 Apr 2020 14:07

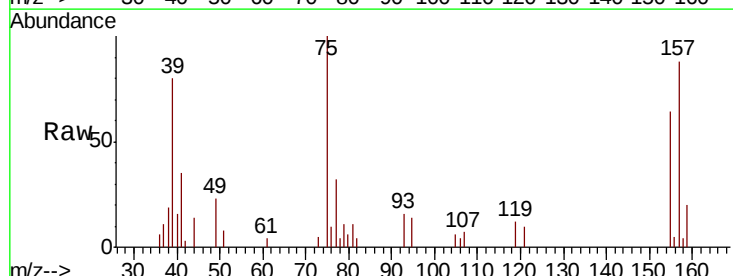
Tgt Ion: 75 Resp: 6395

Ion Ratio Lower Upper

75 100

155 63.6 51.0 76.4

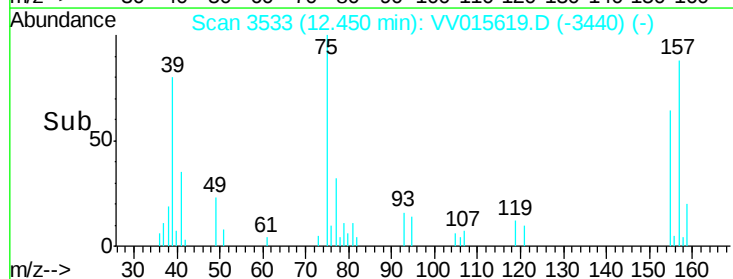
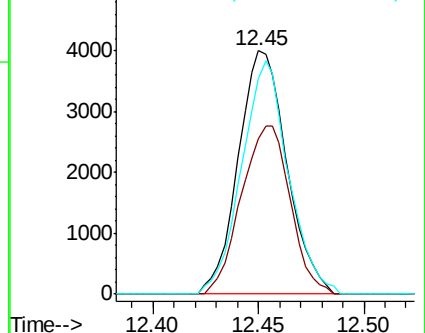
157 88.3 70.6 106.0

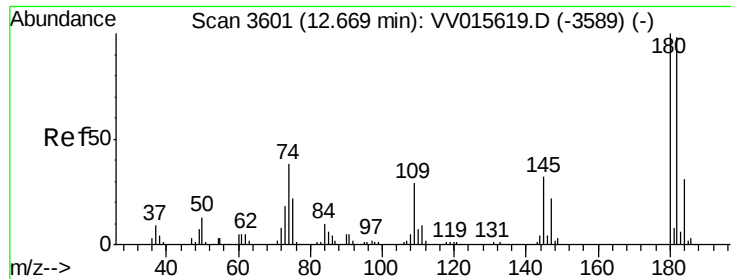


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

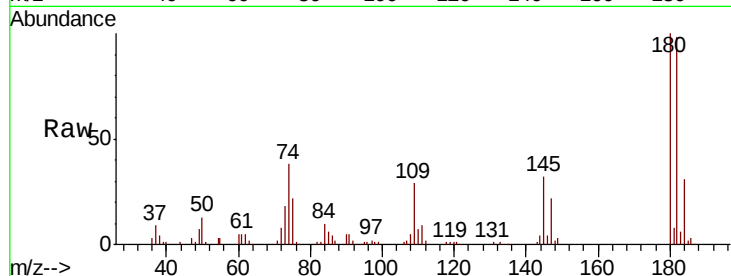




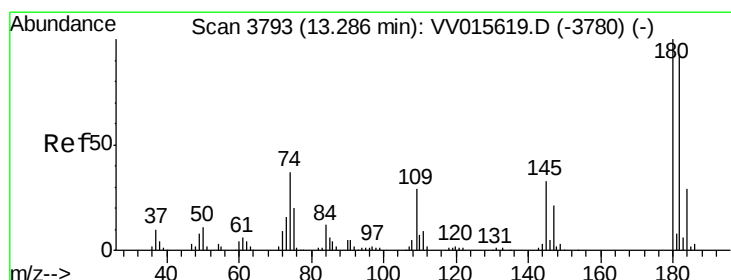
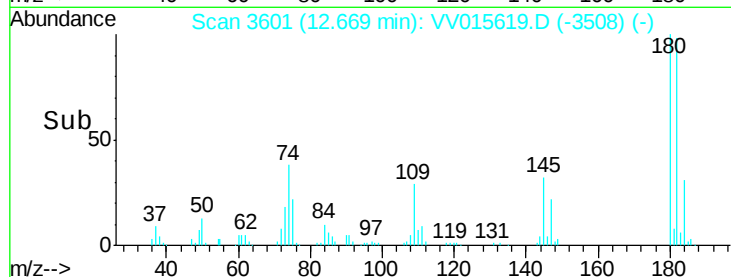
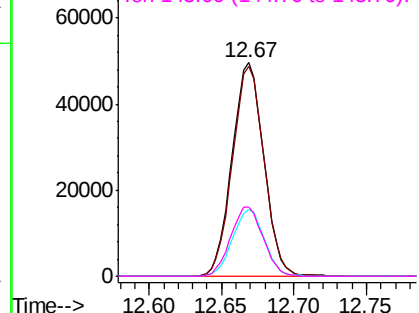
#67
 1,3,5-Trichlorobenzene
 Concen: 4.976 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015619.D
 Acq: 22 Apr 2020 14:07

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 75520
 Ion Ratio Lower Upper
 180 100
 182 97.8 78.2 117.4
 184 31.2 25.0 37.4
 145 33.0 26.4 39.6

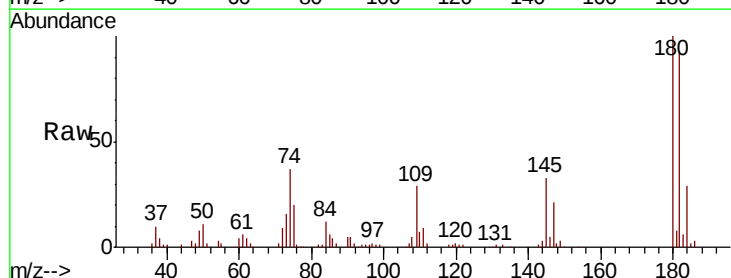


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

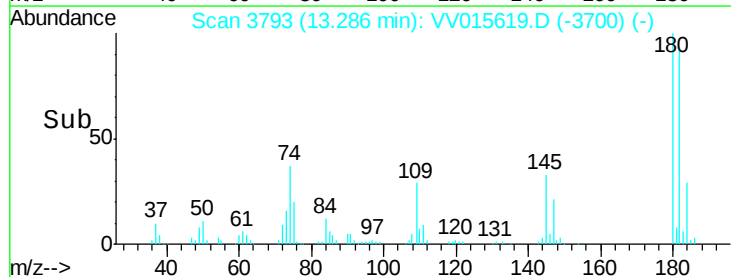
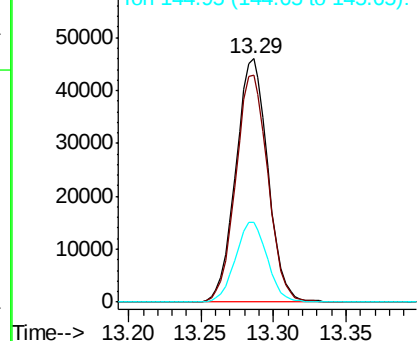


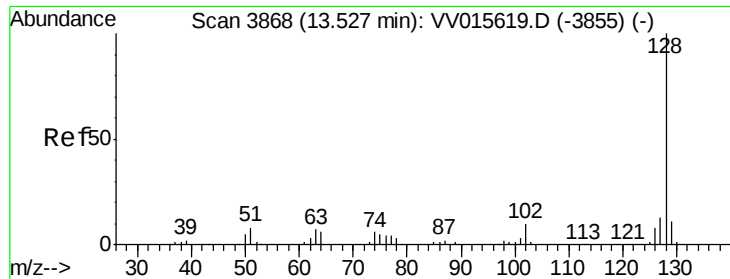
#68
 1,2,4-trichlorobenzene
 Concen: 5.109 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015619.D
 Acq: 22 Apr 2020 14:07

Tgt Ion:180 Resp: 70604
 Ion Ratio Lower Upper
 180 100
 182 93.5 74.8 112.2
 145 32.4 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: 4.770 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015619.D

Acq: 22 Apr 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

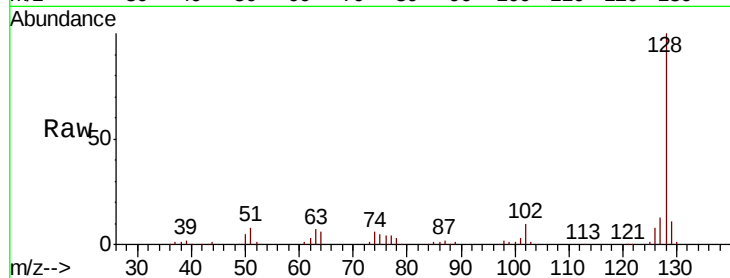
Tot Ion:128 Resp: 122260

Ion Ratio Lower Upper

128 100

129 10.5 8.4 12.6

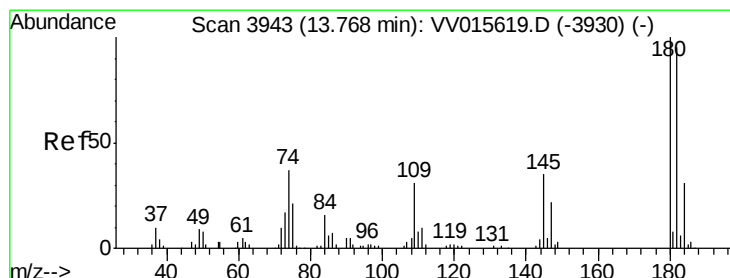
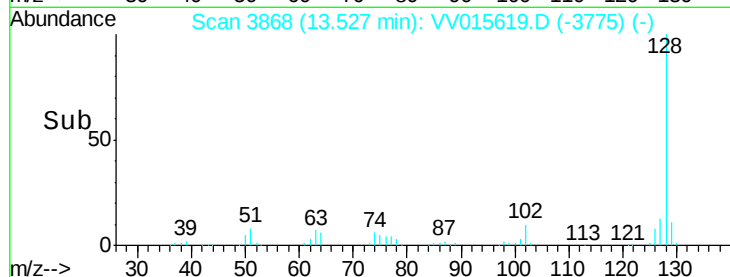
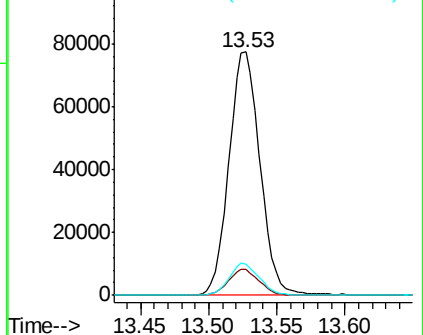
127 12.8 10.2 15.4



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: 5.067 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015619.D

Acq: 22 Apr 2020 14:07

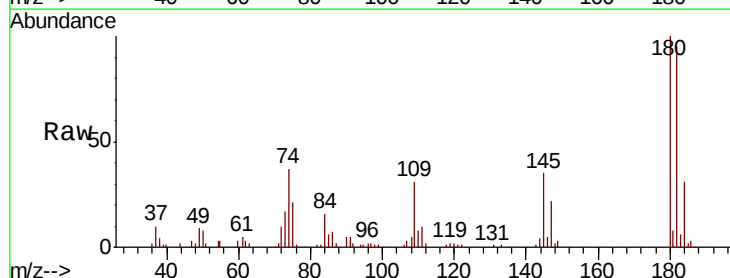
Tgt Ion:180 Resp: 61635

Ion Ratio Lower Upper

180 100

182 93.5 74.8 112.2

145 35.5 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

