

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041319\
 Data File : VV010323.D
 Acq On : 13 Apr 2019 16:53
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV37

Quant Time: Apr 14 01:14:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR041319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 13 14:26:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	159863	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	155762	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	83309	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	35535	4.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.40%
7) Chloroethane-d5	1.58	69	38468	4.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.40%
11) 1,1-Dichloroethene-d2	2.13	63	104592	4.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.20%
20) 2-Butanone-d5	3.96	46	99670	45.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.84%
24) Chloroform-d	4.40	84	89549	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.09	65	45104	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
32) Benzene-d6	5.10	84	164347	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.12	67	52064	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.36	98	160062	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	7.67	79	17551	4.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.80%
46) 2-Hexanone-d5	8.14	63	81729	49.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.48%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	38473	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	68202	4.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	74647	4.665	ug/L 96
3) Chloromethane	1.25	50	60703	4.513	ug/L 98
5) Vinyl chloride	1.32	62	68183	4.683	ug/L 98
6) Bromomethane	1.54	94	62403	5.708	ug/L 96
8) Chloroethane	1.60	64	40633	4.100	ug/L 98
9) Trichlorofluoromethane	1.77	101	132572	4.513	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	73229	4.727	ug/L 94
12) 1,1-Dichloroethene	2.14	96	61989	4.754	ug/L 92
13) Acetone	2.20	43	90740	49.665	ug/L # 58
14) Carbon disulfide	2.32	76	163856	4.717	ug/L 99
15) Methyl Acetate	2.47	43	21166	4.882	ug/L 100
16) Methylene chloride	2.54	84	61798	4.283	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	150172	4.815	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	65272	4.551	ug/L 95
19) 1,1-Dichloroethane	3.23	63	120844	4.848	ug/L 98
21) 2-Butanone	4.04	43	107701	48.738	ug/L 96
22) cis-1,2-Dichloroethene	3.96	96	58347	4.899	ug/L 90

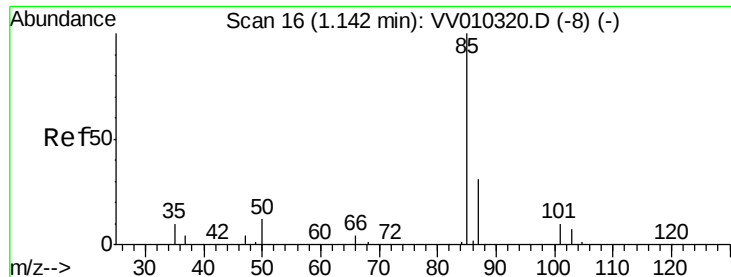
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041319\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 13 14:26:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	25830	4.782	ug/L	89
25) Chloroform	4.43	83	102524	4.596	ug/L	98
27) 1,2-Dichloroethane	5.18	62	57977	4.705	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	88865	4.743	ug/L	100
30) Cyclohexane	4.72	56	77137	4.900	ug/L	97
31) Carbon tetrachloride	4.87	117	84716	4.823	ug/L	99
33) Benzene	5.15	78	209057	4.785	ug/L	100
34) Trichloroethene	5.96	95	60964	4.832	ug/L	95
35) Methylcyclohexane	6.17	83	85872	4.645	ug/L	97
37) 1,2-Dichloropropane	6.22	63	50168	4.991	ug/L #	97
38) Bromodichloromethane	6.56	83	64062	4.768	ug/L #	95
39) cis-1,3-Dichloropropene	7.07	75	70906	5.053	ug/L	94
40) 4-Methyl-2-pentanone	7.28	43	267742	48.966	ug/L	96
42) Toluene	7.43	91	238834	4.889	ug/L	96
44) trans-1,3-Dichloropropene	7.69	75	52710	4.878	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	37609	4.712	ug/L	95
47) Tetrachloroethene	8.02	164	54400	4.882	ug/L	94
48) 2-Hexanone	8.19	43	189172	51.582	ug/L	98
49) Dibromochloromethane	8.29	129	45738	4.799	ug/L	98
50) 1,2-Dibromoethane	8.40	107	33249	4.599	ug/L #	92
51) Chlorobenzene	8.93	112	159693	4.844	ug/L	96
52) Ethylbenzene	9.05	91	259176	4.944	ug/L	99
53) m,p-xylene	9.18	106	104181	5.053	ug/L	91
54) o-xylene	9.59	106	100737	5.086	ug/L	90
55) Styrene	9.60	104	162168	5.034	ug/L	99
56) Isopropylbenzene	9.98	105	268634	5.125	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	41352	4.812	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	28757	4.714	ug/L	99
61) Bromoform	9.78	173	23040	4.387	ug/L #	98
62) 1,3-Dichlorobenzene	11.23	146	134148	4.850	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	135627	4.838	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	123235	4.735	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	5394	4.438	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	103946	4.895	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	75446	5.005	ug/L	95
69) Naphthalene	13.56	128	94520	5.420	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	72155	5.245	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 4.665 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV010323.D

Acq: 13 Apr 2019 16:53

Instrument :

MSVOA_V

ClientSampleId :

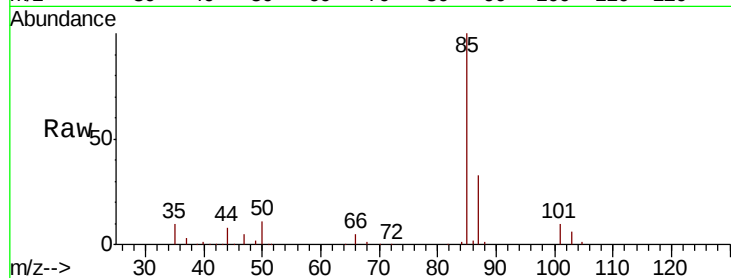
VICV37

Tot Ion: 85 Resp: 74647

Ion Ratio Lower Upper

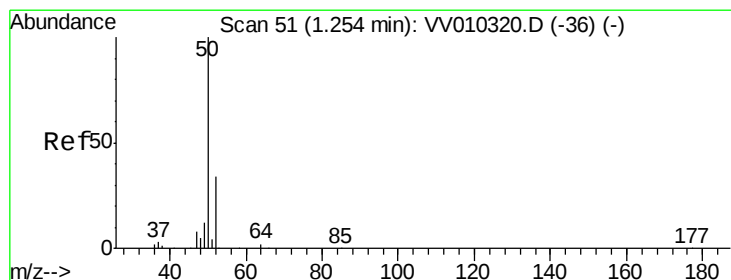
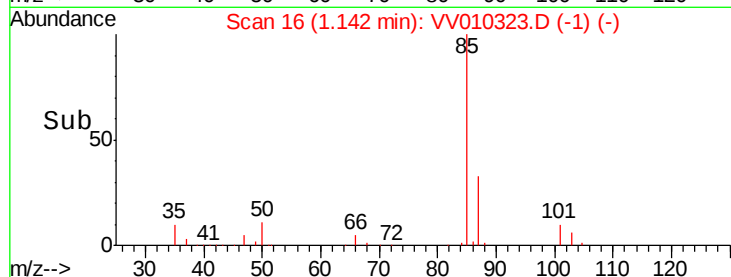
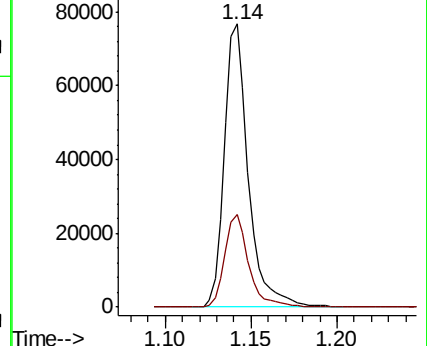
85 100

87 32.8 24.4 36.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.513 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV010323.D

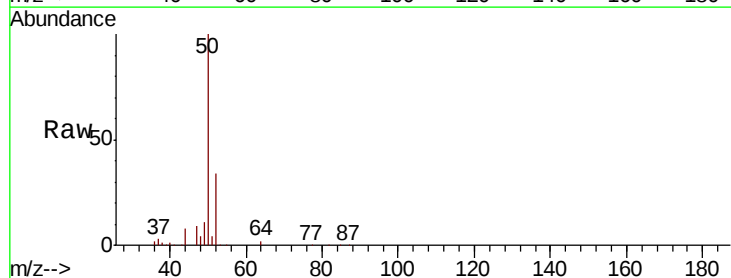
Acq: 13 Apr 2019 16:53

Tgt Ion: 50 Resp: 60703

Ion Ratio Lower Upper

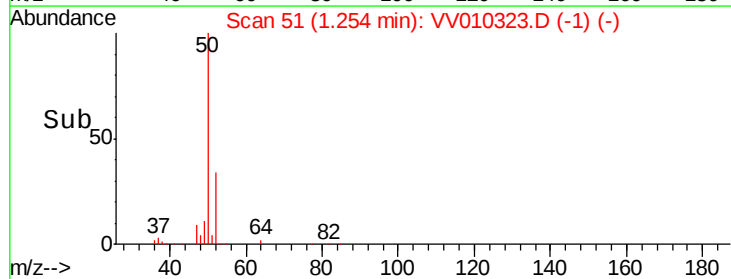
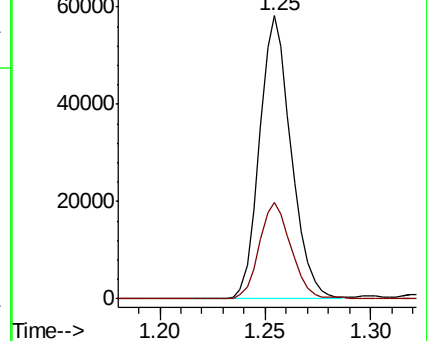
50 100

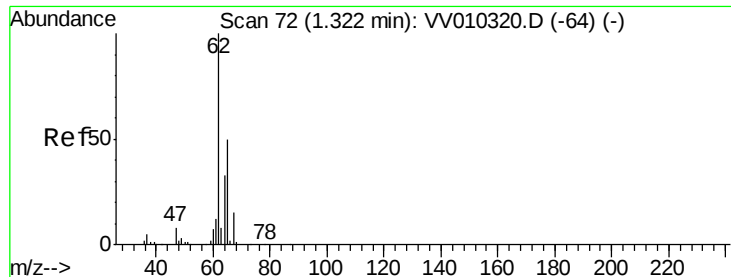
52 33.9 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.683 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV010323.D

Acq: 13 Apr 2019 16:53

Instrument :

MSVOA_V

ClientSampleId :

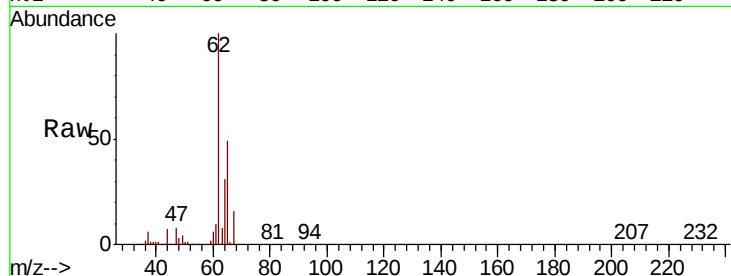
VICV37

Tot Ion: 62 Resp: 68183

Ion Ratio Lower Upper

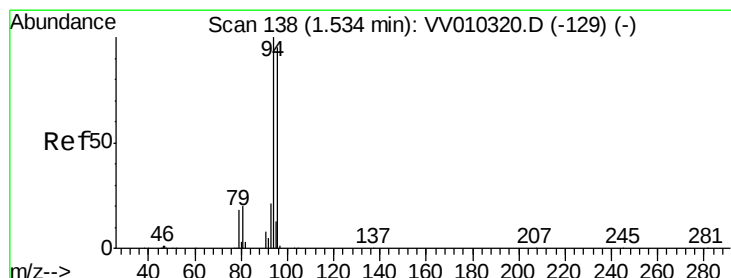
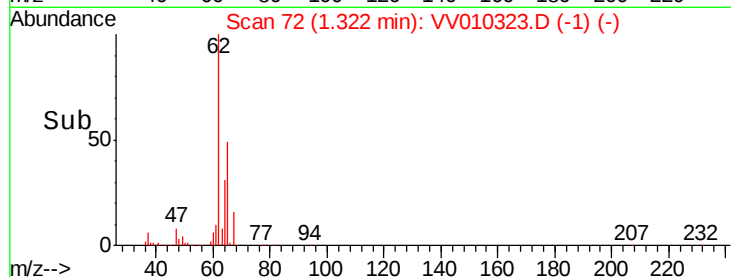
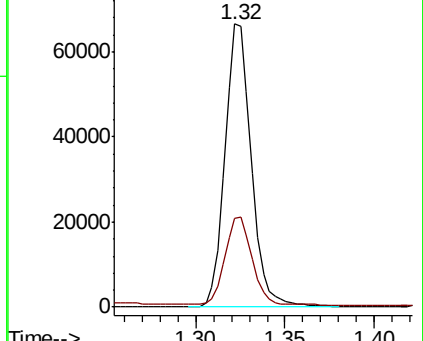
62 100

64 31.5 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV010323.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV010323.D (-64) (-)



#6

Bromomethane

Concen: 5.708 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV010323.D

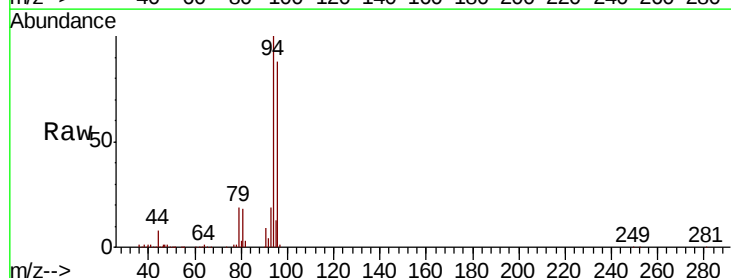
Acq: 13 Apr 2019 16:53

Tgt Ion: 94 Resp: 62403

Ion Ratio Lower Upper

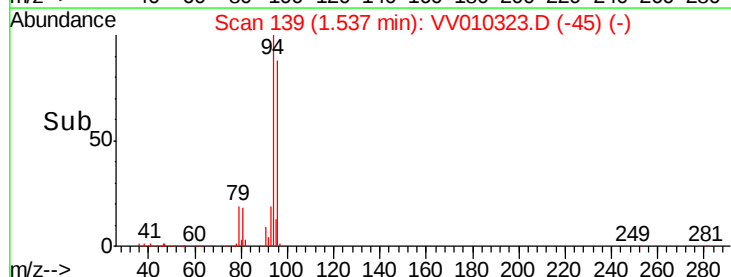
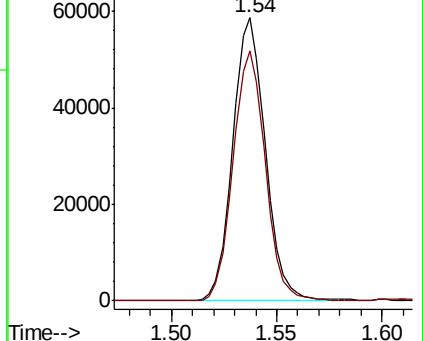
94 100

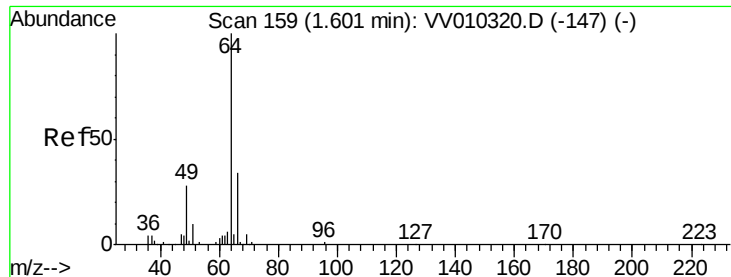
96 88.4 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VV010323.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV010323.D (-129) (-)





#8

Chloroethane

Concen: 4.100 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV010323.D

Acq: 13 Apr 2019 16:53

Instrument :

MSVOA_V

ClientSampleId :

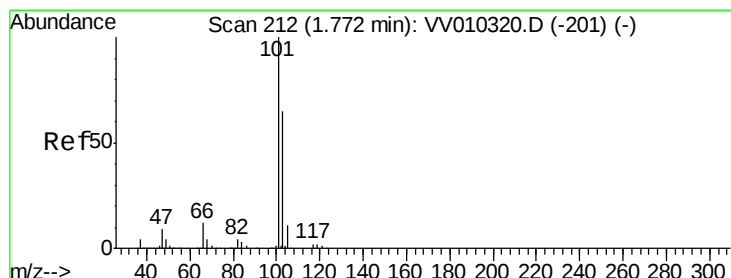
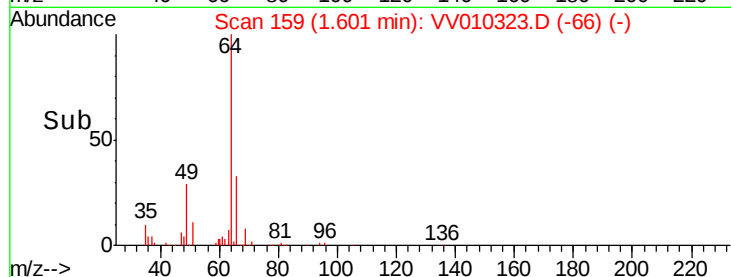
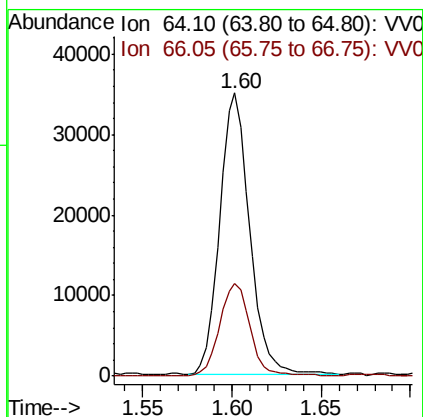
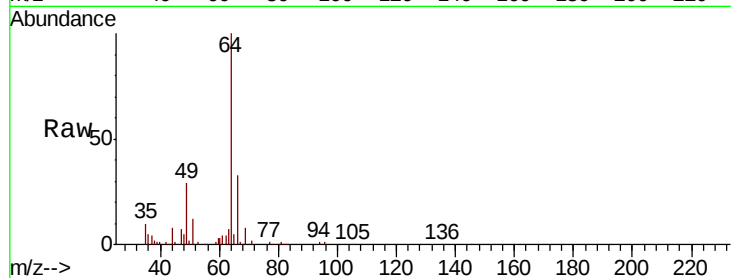
VICV37

Tot Ion: 64 Resp: 40633

Ion Ratio Lower Upper

64 100

66 32.9 22.4 41.6



#9

Trichlorofluoromethane

Concen: 4.513 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV010323.D

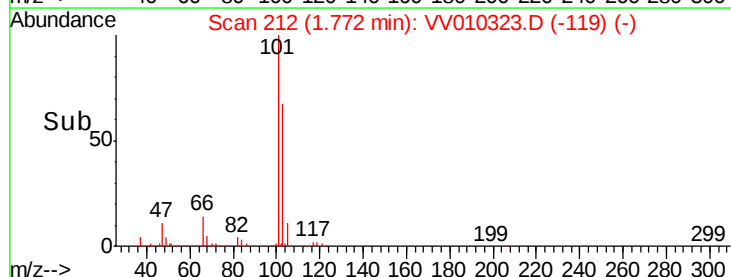
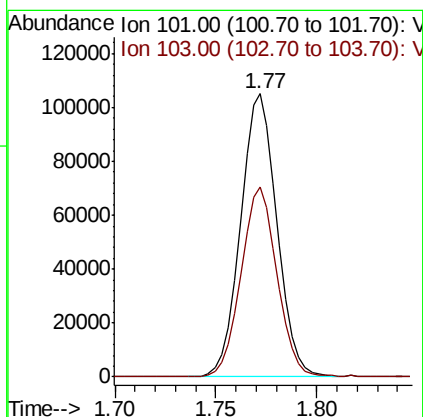
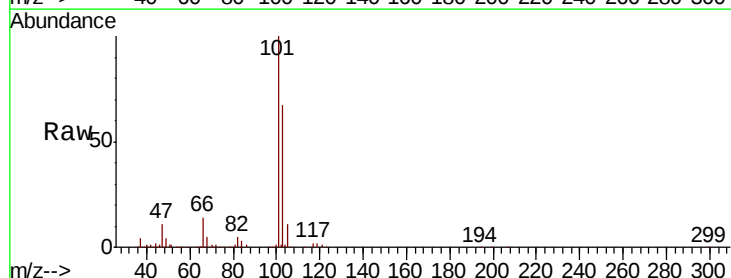
Acq: 13 Apr 2019 16:53

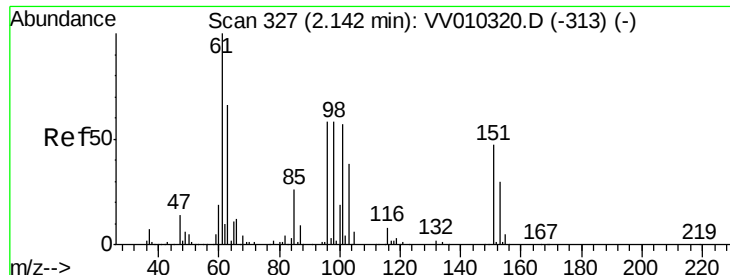
Tgt Ion: 101 Resp: 132572

Ion Ratio Lower Upper

101 100

103 66.4 52.3 78.5





#10

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

Concen: 4.727 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV010323.D

Acq: 13 Apr 2019 16:53

Instrument :

MSVOA_V

ClientSampled :

VICV37

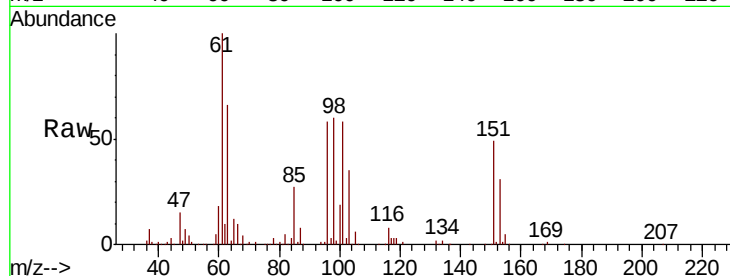
Tot Ion:101 Resp: 73229

Ion Ratio Lower Upper

101 100

85 46.2 39.2 58.8

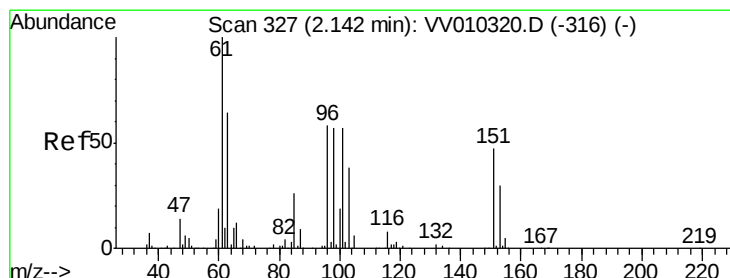
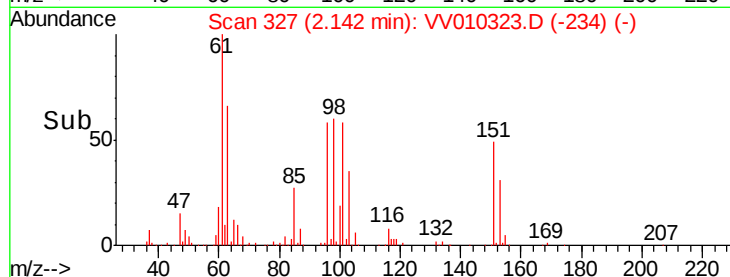
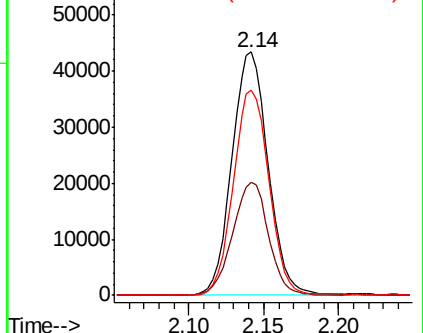
151 83.2 61.1 91.7



Abundance Ion 101.00 (100.70 to 101.70): VV010323.D (-234) (-)

Ion 85.00 (84.70 to 85.70): VV010323.D (-234) (-)

Ion 151.00 (150.70 to 151.70): VV010323.D (-234) (-)



#12

1,1-Dichloroethene

Concen: 4.754 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV010323.D

Acq: 13 Apr 2019 16:53

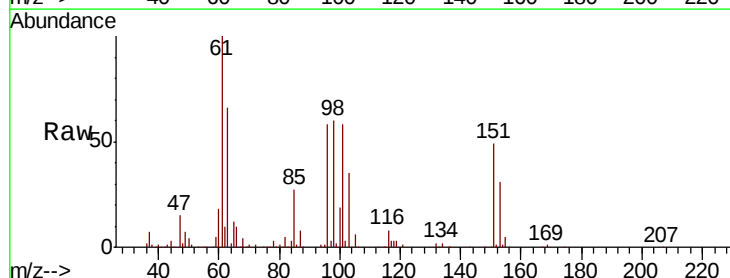
Tgt Ion: 96 Resp: 61989

Ion Ratio Lower Upper

96 100

61 172.7 127.1 236.0

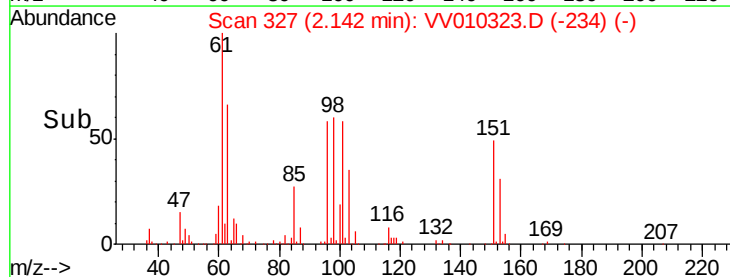
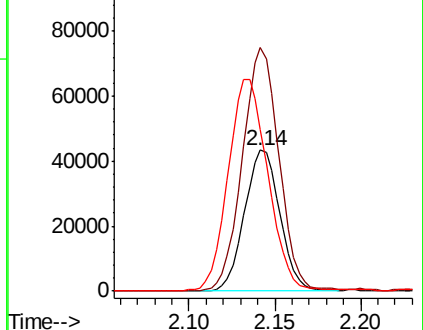
63 114.5 88.8 164.8

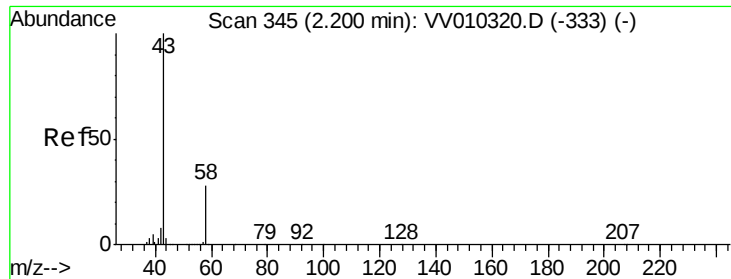


Abundance Ion 96.00 (95.70 to 96.70): VV010323.D (-234) (-)

Ion 61.05 (60.75 to 61.75): VV010323.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV010323.D (-234) (-)





#13

Acetone

Concen: 49.665 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV010323.D

Acq: 13 Apr 2019 16:53

Instrument :

MSVOA_V

ClientSampleId :

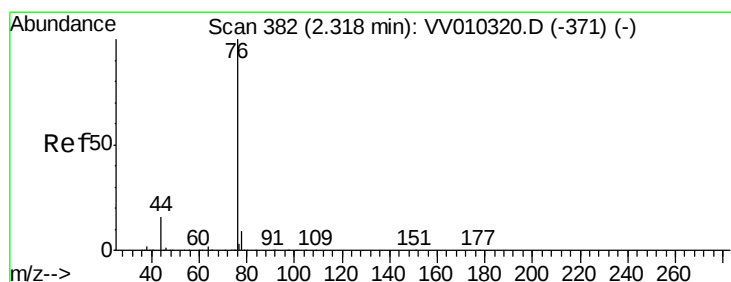
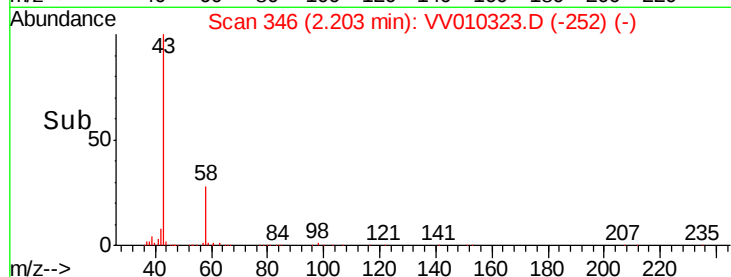
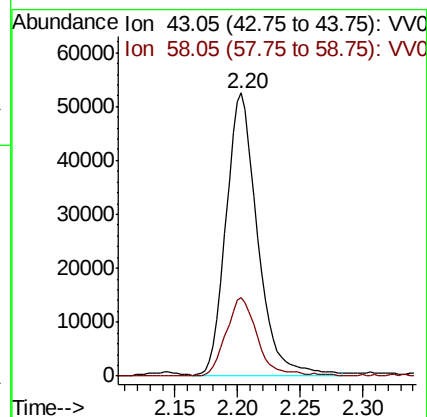
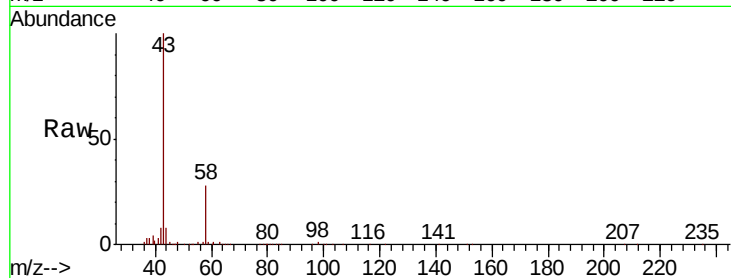
VICV37

Tot Ion: 43 Resp: 90740

Ion Ratio Lower Upper

43 100

58 27.7 0.0 23.0#



#14

Carbon disulfide

Concen: 4.717 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV010323.D

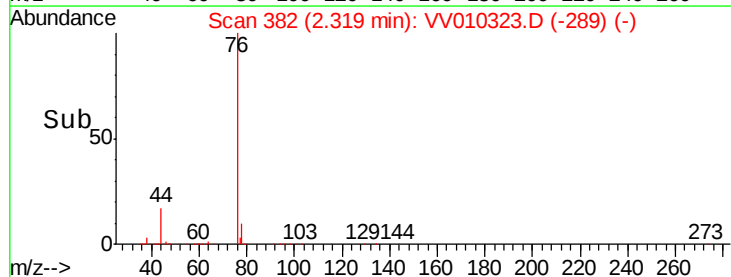
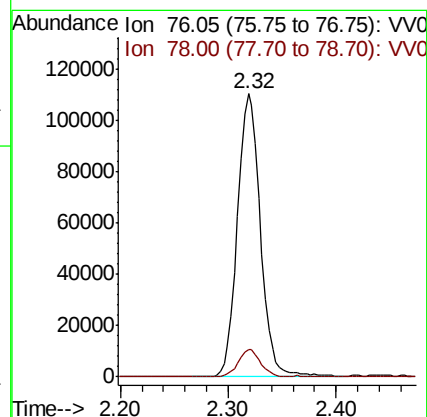
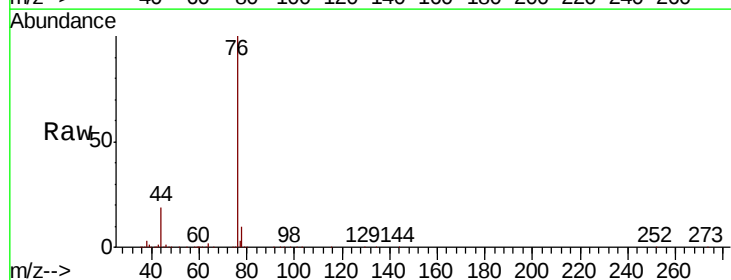
Acq: 13 Apr 2019 16:53

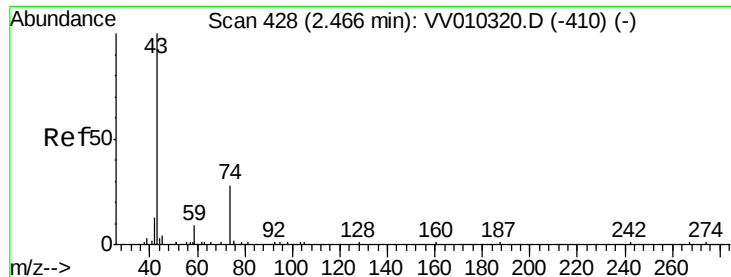
Tgt Ion: 76 Resp: 163856

Ion Ratio Lower Upper

76 100

78 9.9 7.7 11.5





#15

Methvl Acetate

Concen: 4.882 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VV010323.D

Acq: 13 Apr 2019 16:53

Instrument :

MSVOA_V

ClientSampled :

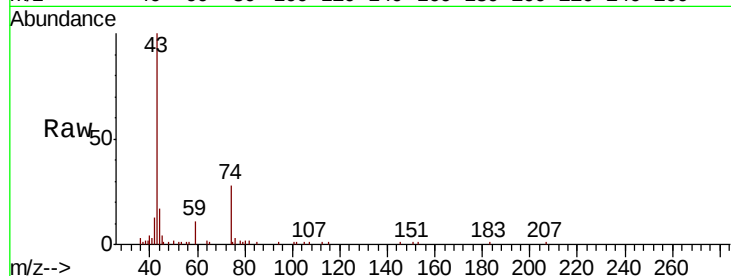
VICV37

Tot Ion: 43 Resp: 21166

Ion Ratio Lower Upper

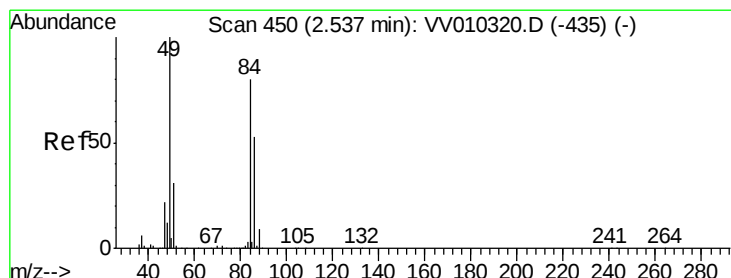
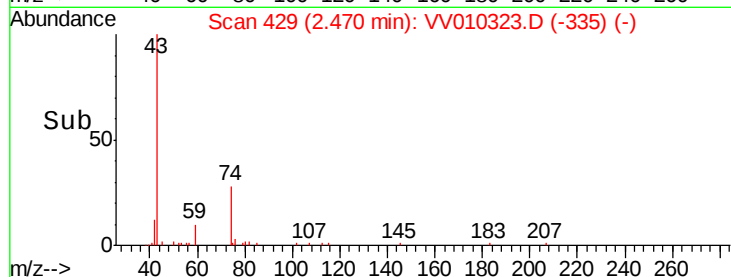
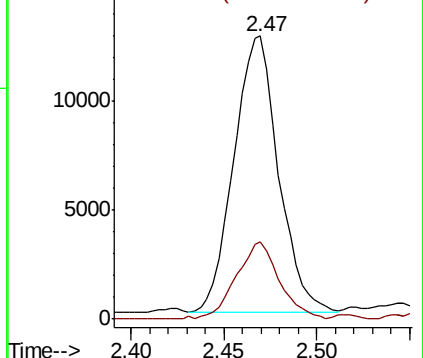
43 100

74 27.1 21.8 32.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.283 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV010323.D

Acq: 13 Apr 2019 16:53

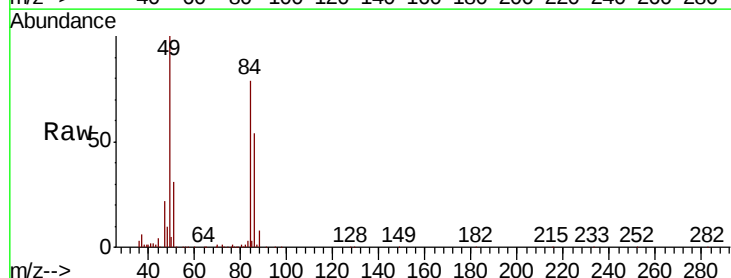
Tgt Ion: 84 Resp: 61798

Ion Ratio Lower Upper

84 100

86 69.0 46.1 85.5

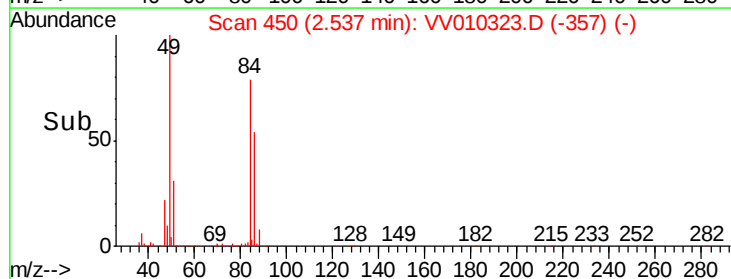
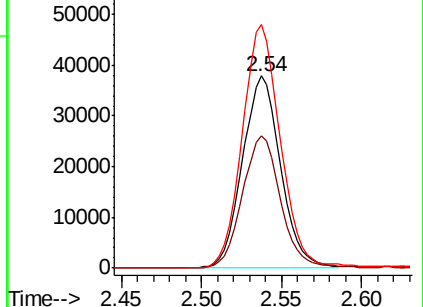
49 126.6 89.7 166.5

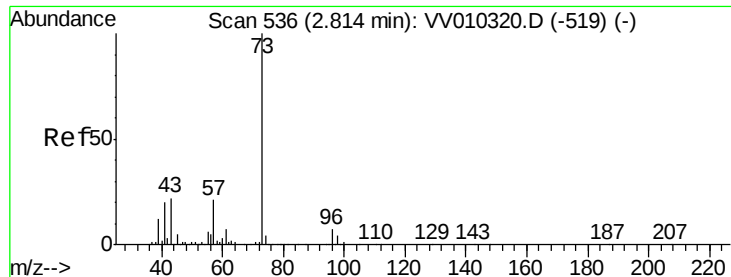


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



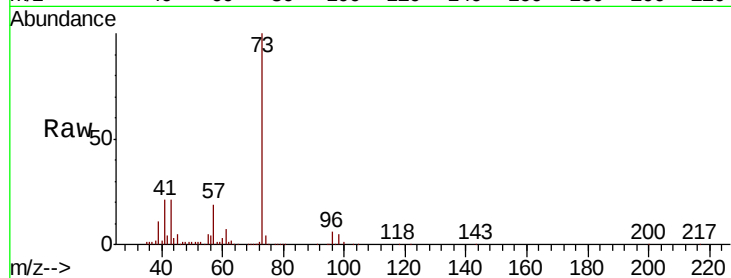


#17

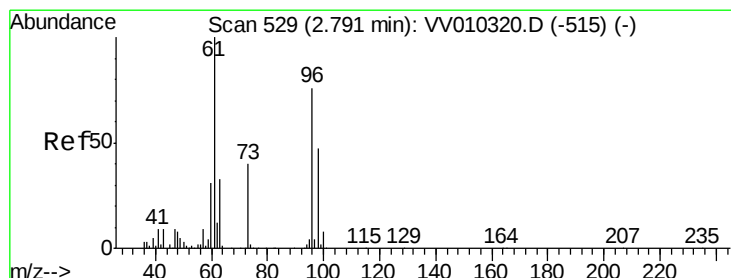
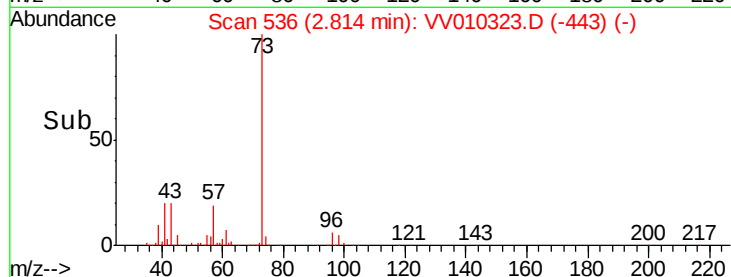
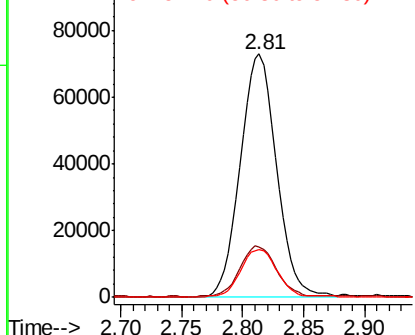
Methyl tert-butyl Ether
 Concen: 4.815 ug/L
 RT: 2.81 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VV010323.D
 Acq: 13 Apr 2019 16:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV37

Tot Ion	Ratio	Lower	Upper
73	100		
43	21.1	17.2	25.8
57	19.9	17.3	25.9



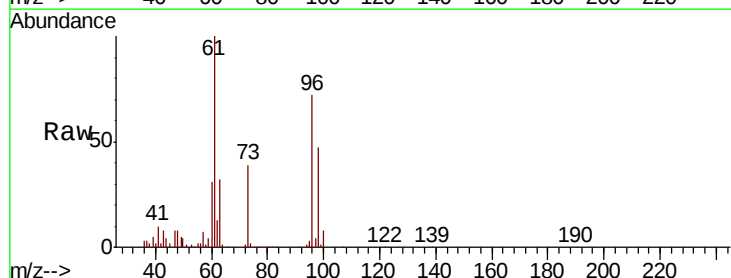
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



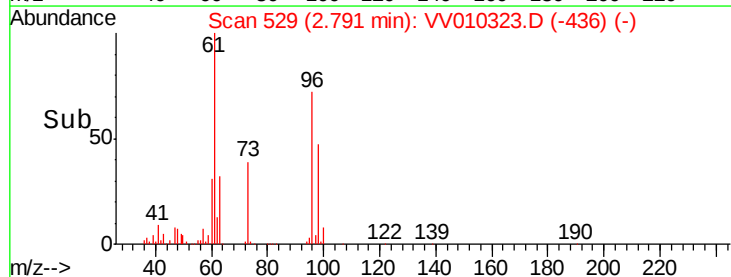
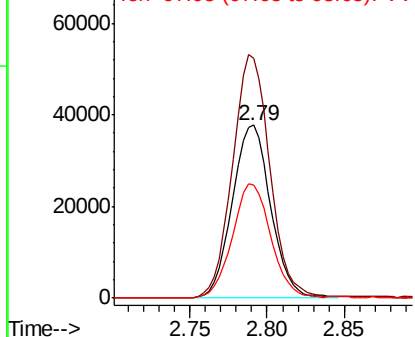
#18

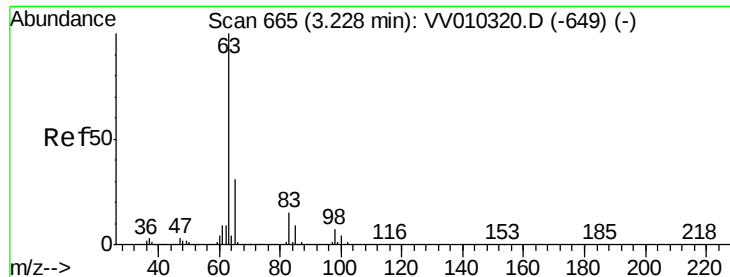
trans-1,2-Dichloroethene
 Concen: 4.551 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV010323.D
 Acq: 13 Apr 2019 16:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.3	103.9	192.9
98	65.6	46.0	85.4



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

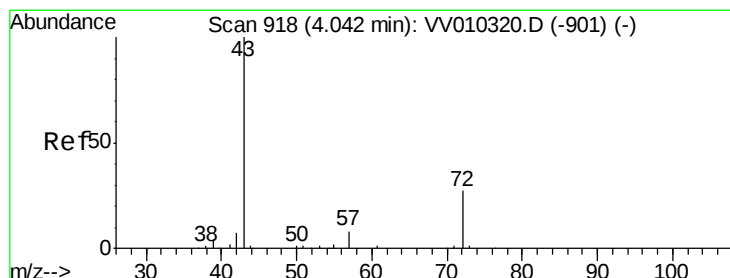
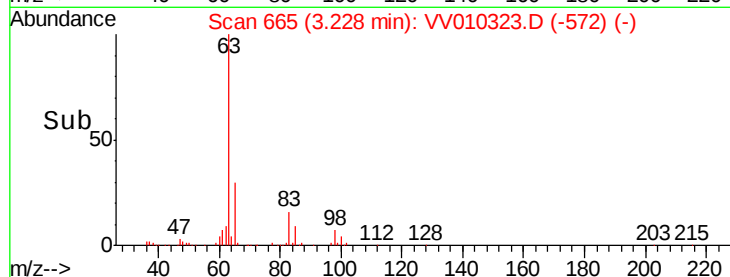
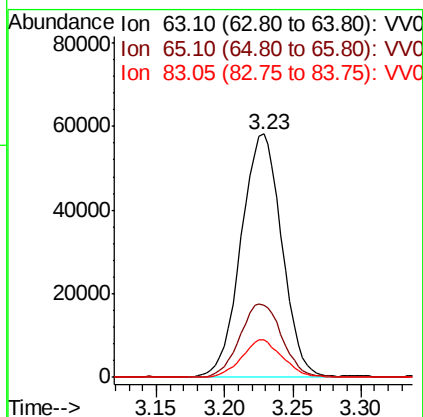
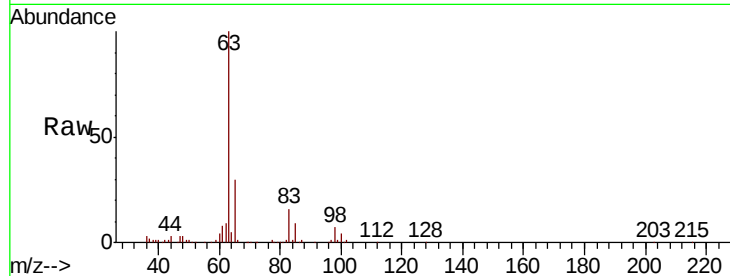




#19
 1,1-Dichloroethane
 Concen: 4.848 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV010323.D
 Acq: 13 Apr 2019 16:53

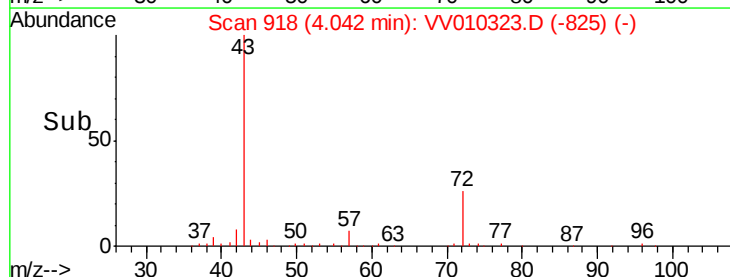
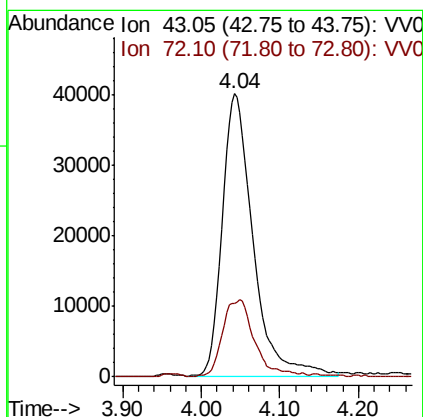
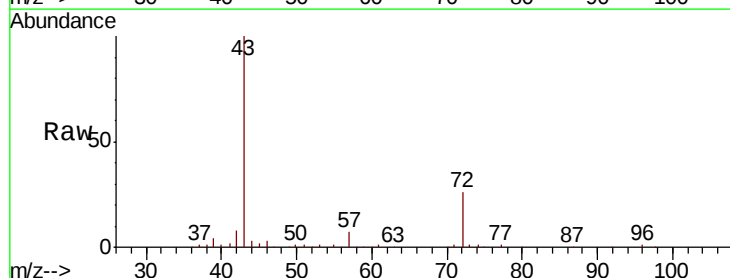
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV37

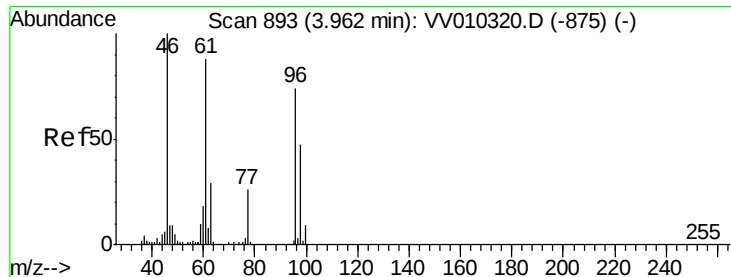
Tot Ion	Ratio	Lower	Upper
63	100		
65	29.7	21.3	39.5
83	15.6	9.9	18.5



#21
 2-Butanone
 Concen: 48.738 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. 0.00 min
 Lab File: VV010323.D
 Acq: 13 Apr 2019 16:53

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.4	14.8	44.4



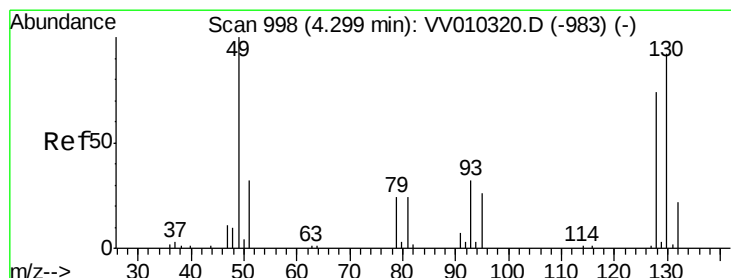
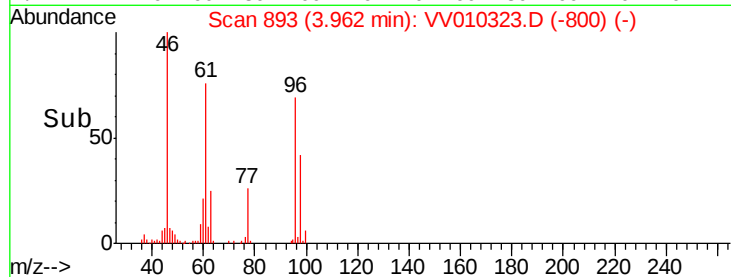
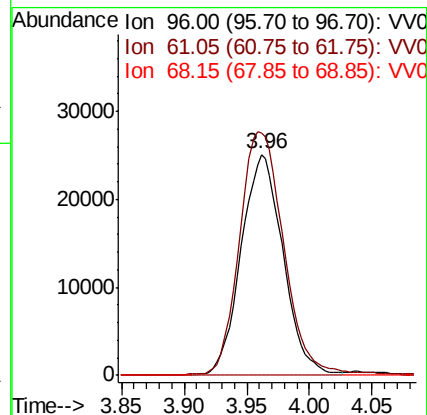
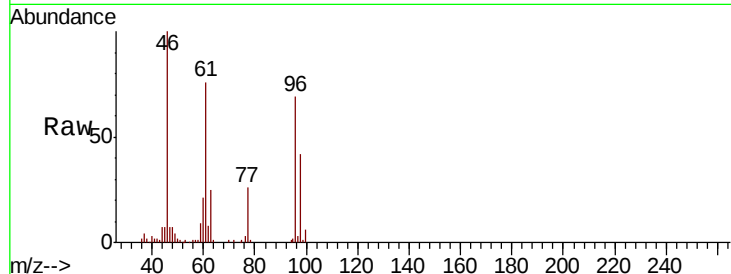


#22

cis-1,2-Dichloroethene
 Concen: 4.899 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV010323.D
 Acq: 13 Apr 2019 16:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV37

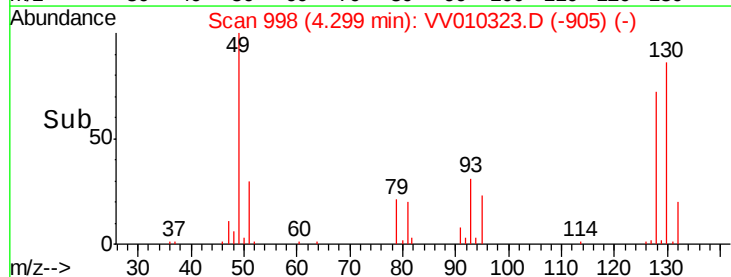
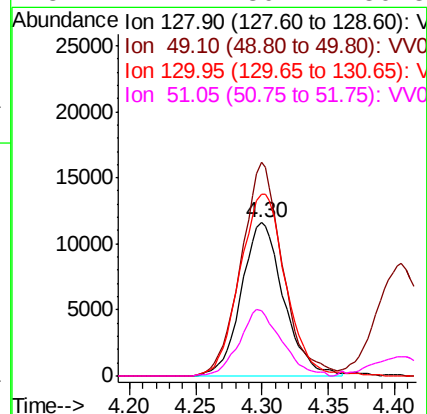
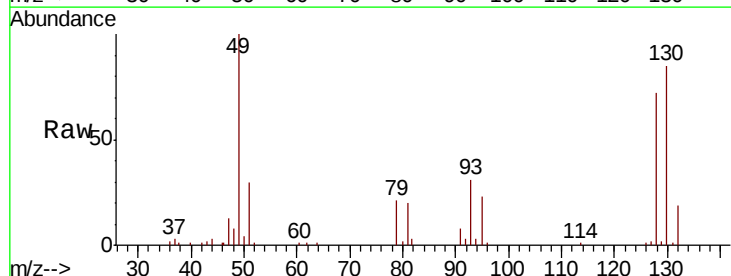
Tot Ion	Ratio	Lower	Upper
96	100		
61	110.1	84.8	157.4
68	0.0	0.0	0.0

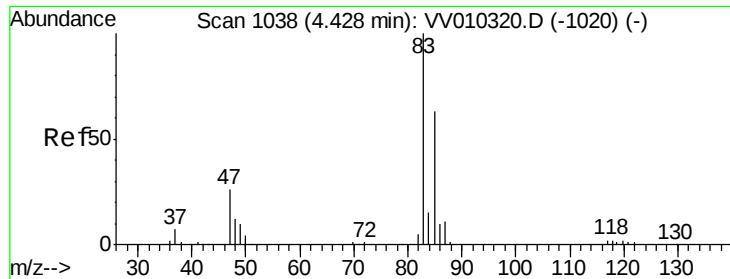


#23

Bromochloromethane
 Concen: 4.782 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV010323.D
 Acq: 13 Apr 2019 16:53

Tgt Ion	Ratio	Lower	Upper
128	100		
49	139.3	110.4	205.0
130	118.6	89.1	165.5
51	42.4	39.7	59.5

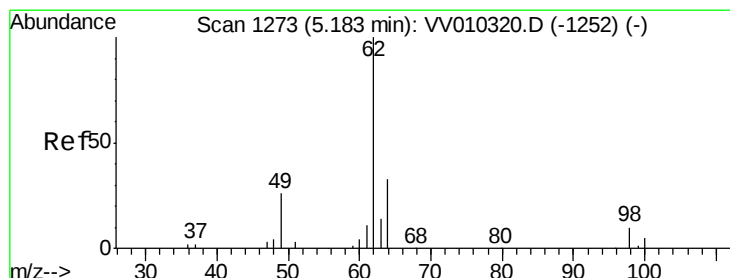
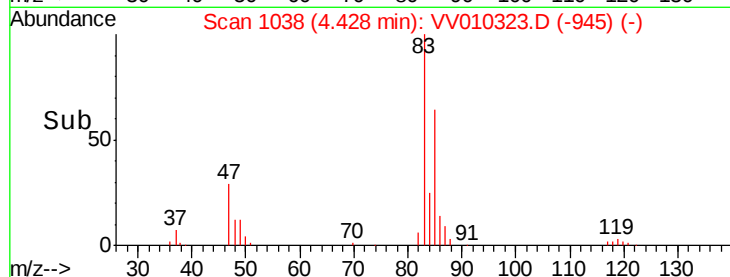
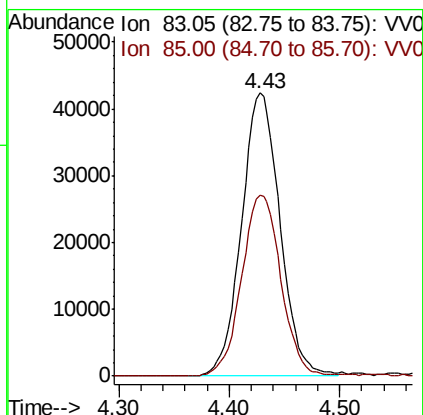
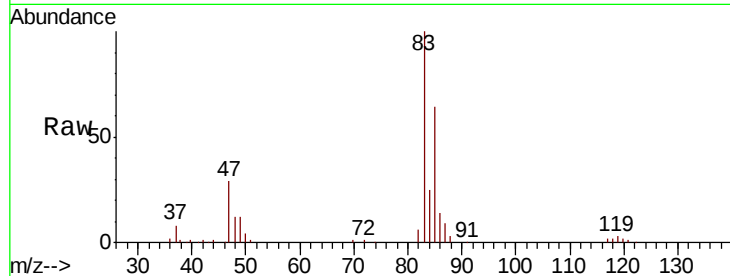




#25
Chloroform
Concen: 4.596 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV010323.D
Acq: 13 Apr 2019 16:53

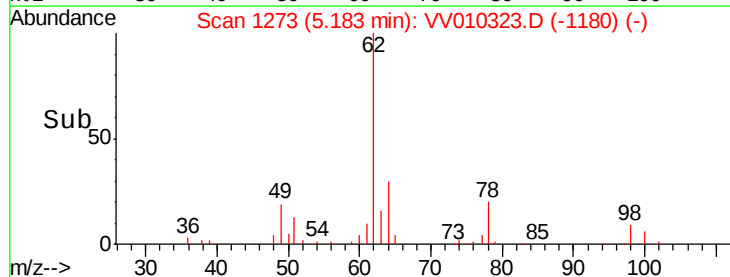
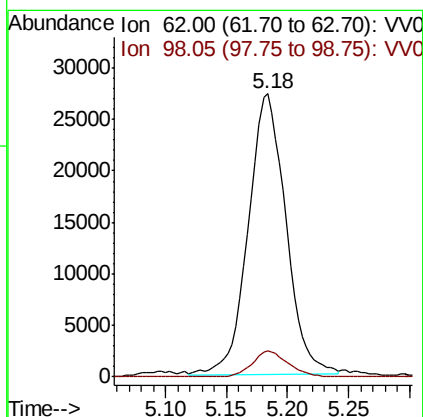
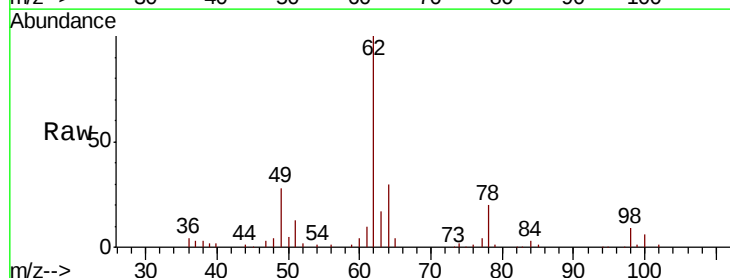
Instrument :
MSVOA_V
ClientSampleId :
VICV37

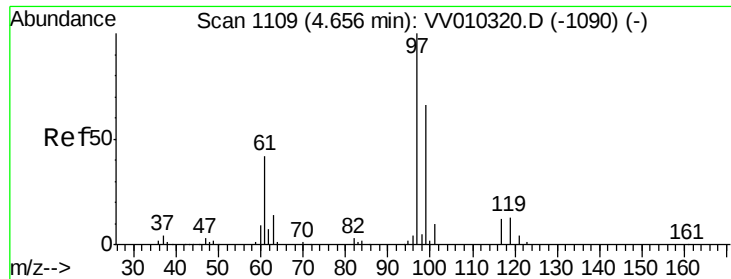
Tot Ion: 83 Resp: 102524
Ion Ratio Lower Upper
83 100
85 63.7 45.7 84.9



#27
1,2-Dichloroethane
Concen: 4.705 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV010323.D
Acq: 13 Apr 2019 16:53

Tgt Ion: 62 Resp: 57977
Ion Ratio Lower Upper
62 100
98 9.0 7.4 11.0

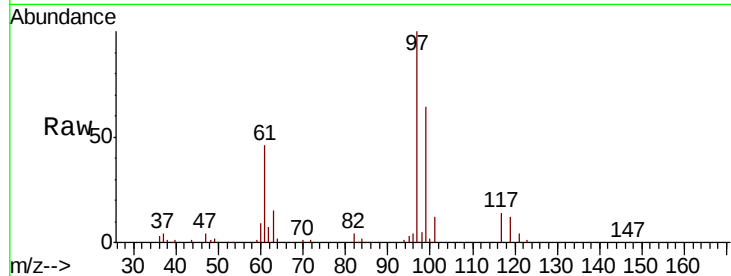




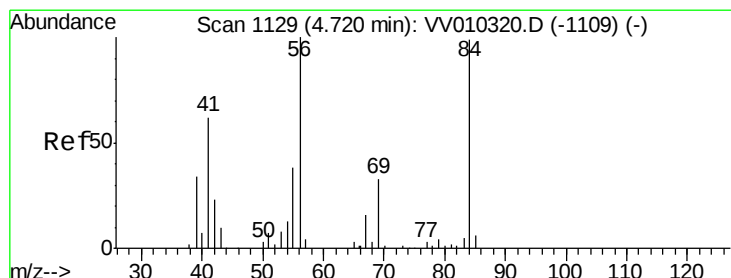
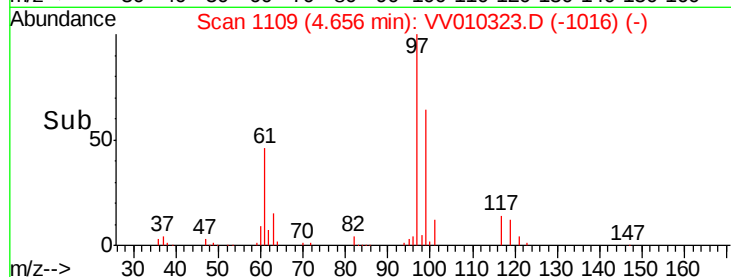
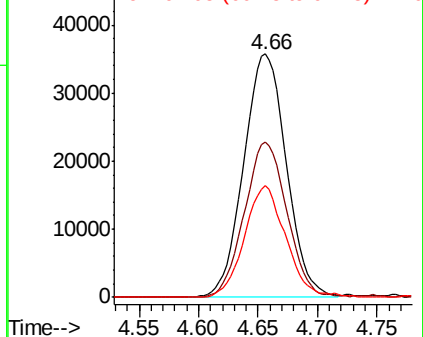
#29
1,1,1-Trichloroethane
Concen: 4.743 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV010323.D
Acq: 13 Apr 2019 16:53

Instrument :
MSVOA_V
ClientSampleId :
VICV37

Tot Ion: 97 Resp: 88865
Ion Ratio Lower Upper
97 100
99 63.4 50.8 76.2
61 44.5 35.0 52.6

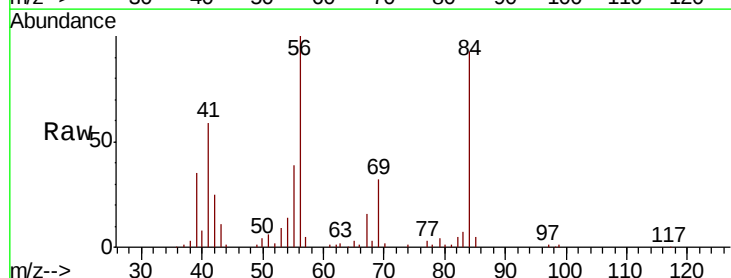


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

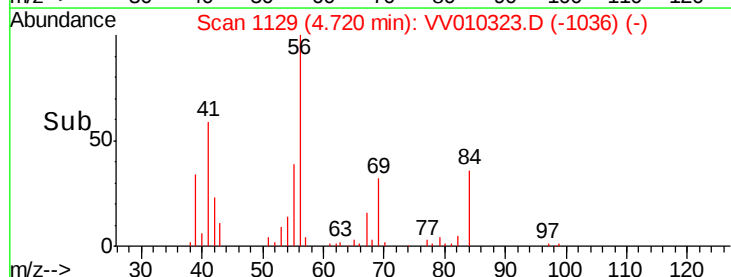
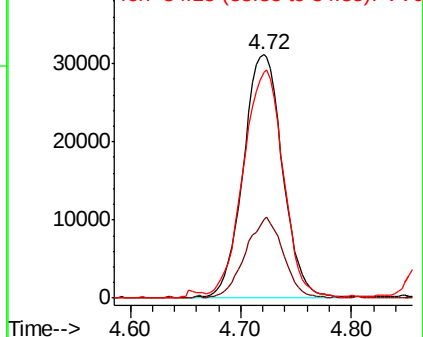


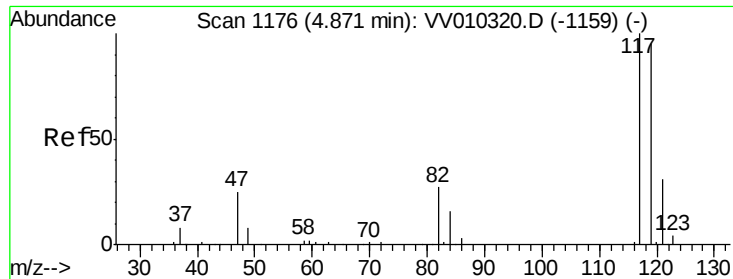
#30
Cyclohexane
Concen: 4.900 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VV010323.D
Acq: 13 Apr 2019 16:53

Tgt Ion: 56 Resp: 77137
Ion Ratio Lower Upper
56 100
69 31.8 25.6 38.4
84 94.3 72.4 108.6



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.823 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV010323.D

Acq: 13 Apr 2019 16:53

Instrument :

MSVOA_V

ClientSampleId :

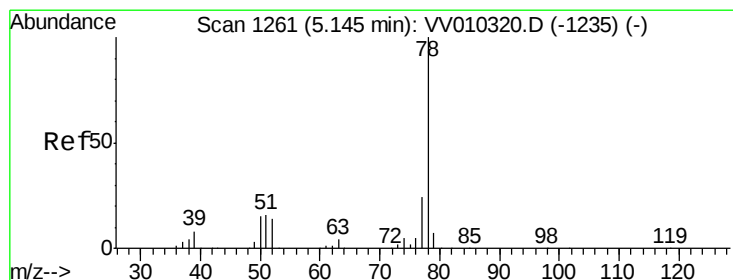
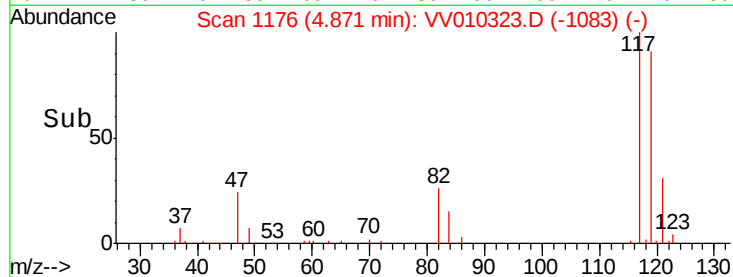
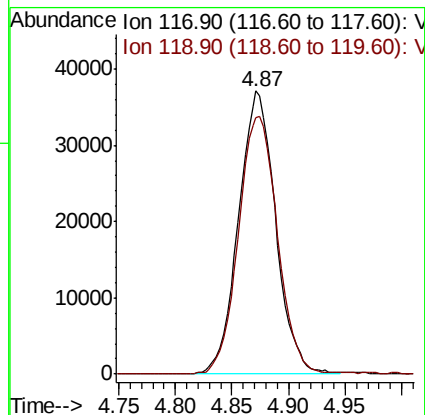
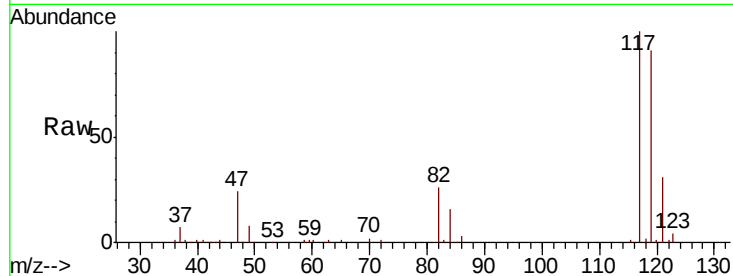
VICV37

Tot Ion:117 Resp: 84716

Ion Ratio Lower Upper

117 100

119 95.6 75.4 113.2



#33

Benzene

Concen: 4.785 ug/L

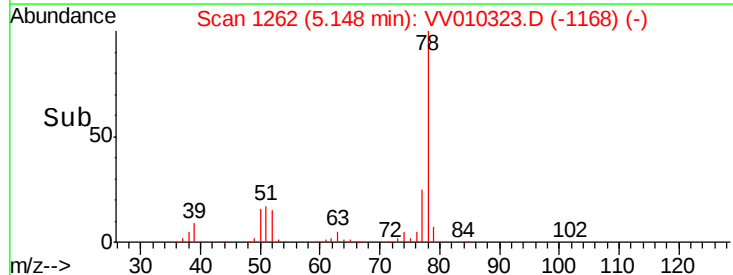
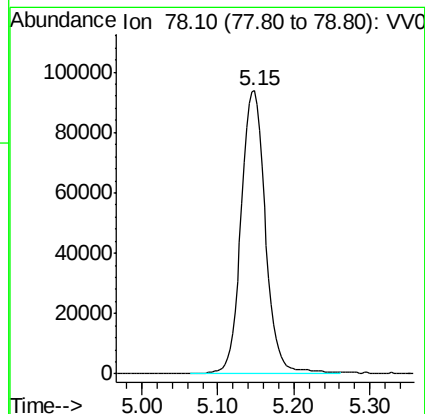
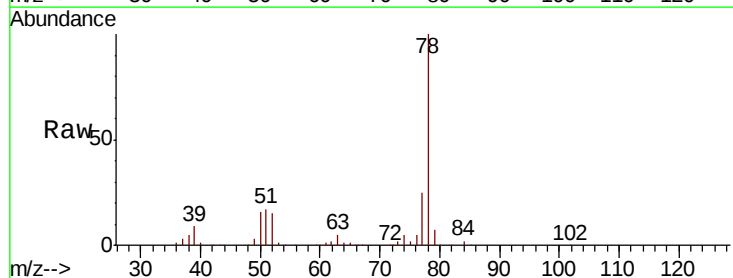
RT: 5.15 min Scan# 1262

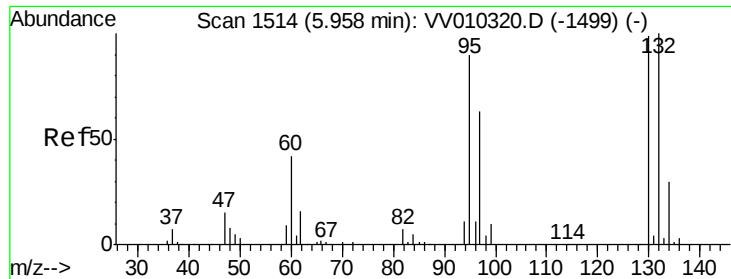
Delta R.T. 0.00 min

Lab File: VV010323.D

Acq: 13 Apr 2019 16:53

Tgt Ion: 78 Resp: 209057





#34

Trichloroethene

Concen: 4.832 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010323.D

Acq: 13 Apr 2019 16:53

Instrument :

MSVOA_V

ClientSampleId :

VICV37

Tot Ion: 95 Resp: 60964

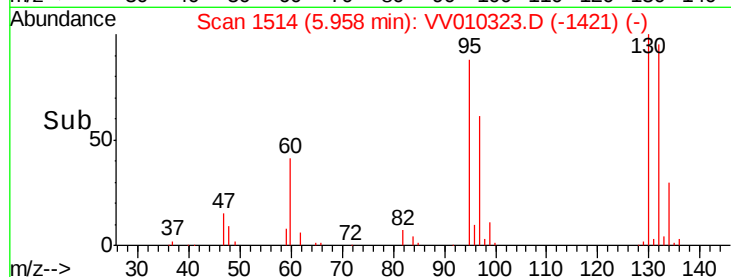
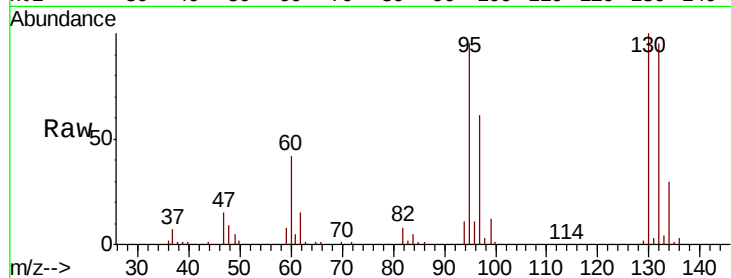
Ion Ratio Lower Upper

95 100

97 63.9 44.4 82.5

132 99.7 66.4 123.4

130 105.1 68.1 126.5

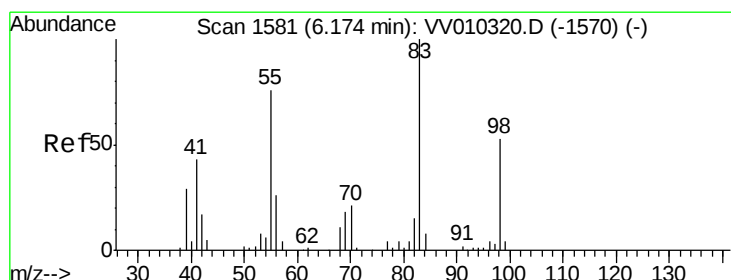
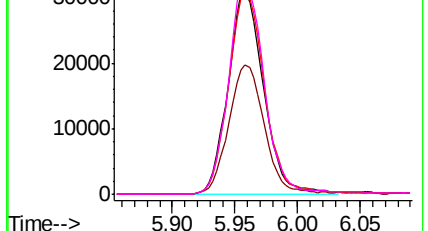


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.645 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV010323.D

Acq: 13 Apr 2019 16:53

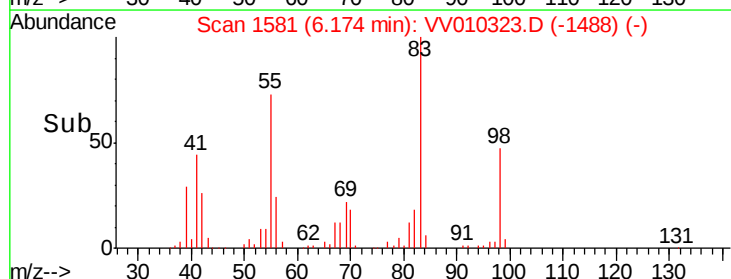
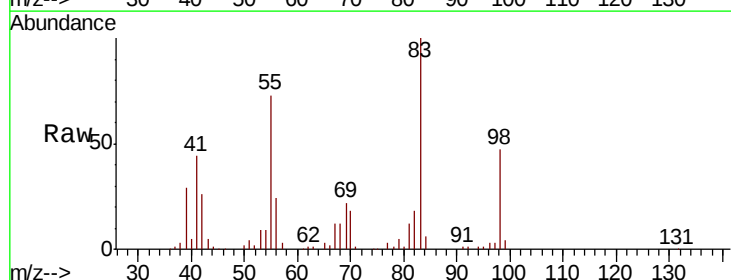
Tgt Ion: 83 Resp: 85872

Ion Ratio Lower Upper

83 100

55 74.8 57.4 86.2

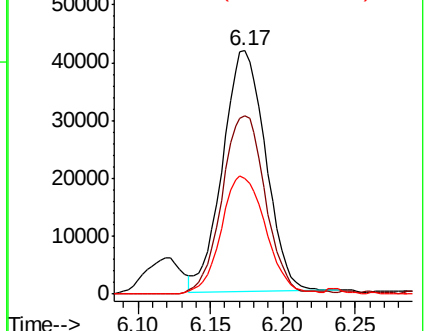
98 50.8 38.9 58.3

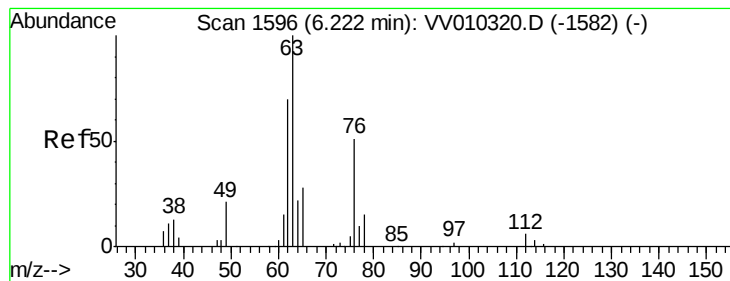


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.991 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV010323.D

Acq: 13 Apr 2019 16:53

Instrument :

MSVOA_V

ClientSampleId :

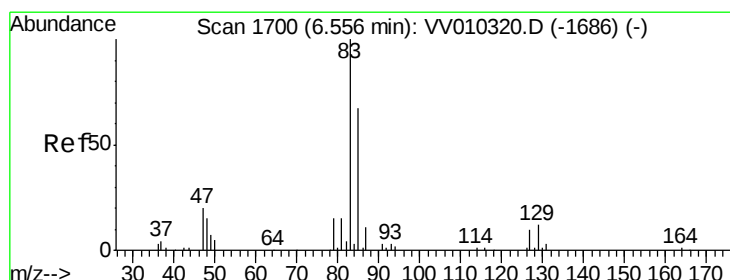
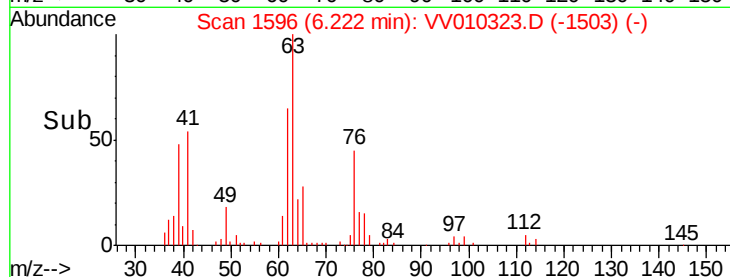
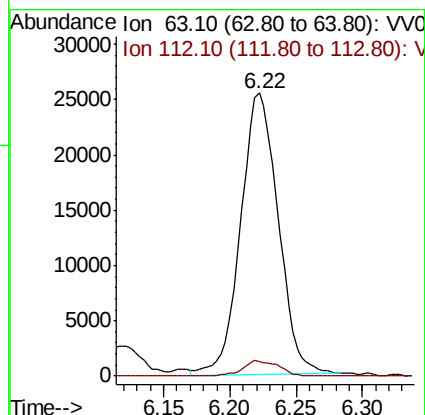
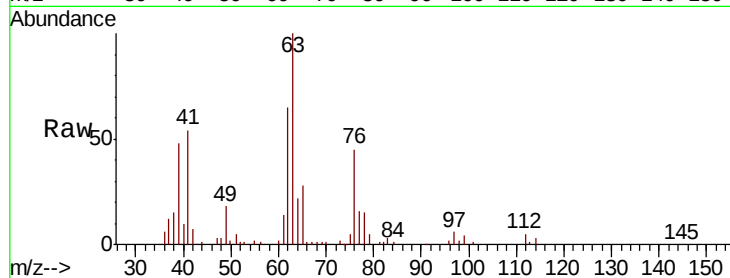
VICV37

Tot Ion: 63 Resp: 50168

Ion Ratio Lower Upper

63 100

112 5.2 3.3 4.9#



#38

Bromodichloromethane

Concen: 4.768 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV010323.D

Acq: 13 Apr 2019 16:53

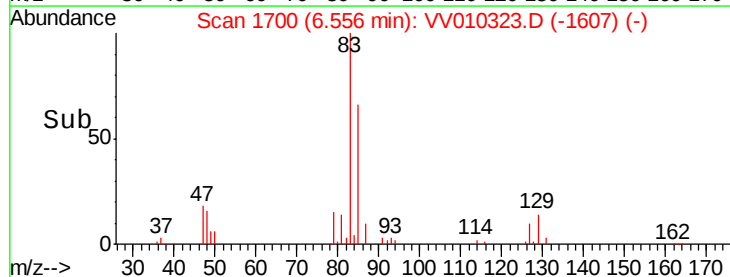
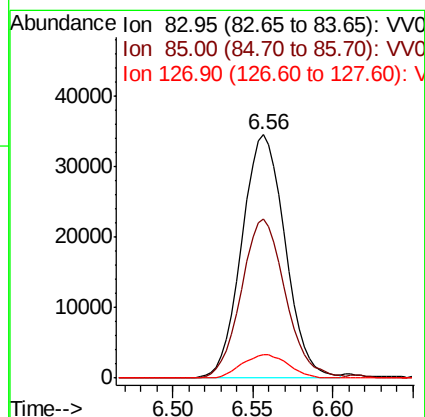
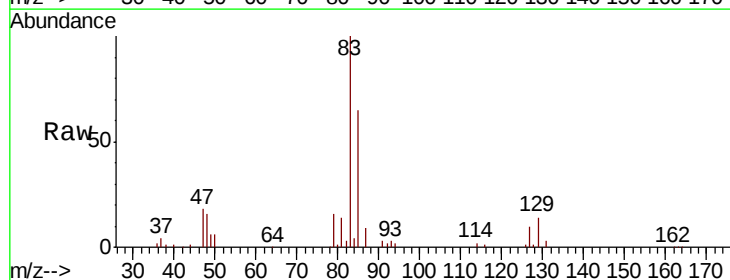
Tgt Ion: 83 Resp: 64062

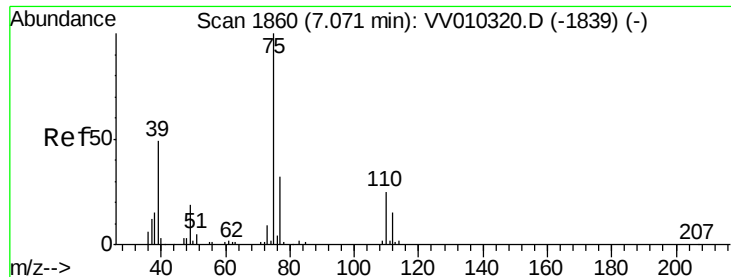
Ion Ratio Lower Upper

83 100

85 65.2 42.8 79.4

127 9.6 6.2 9.4#

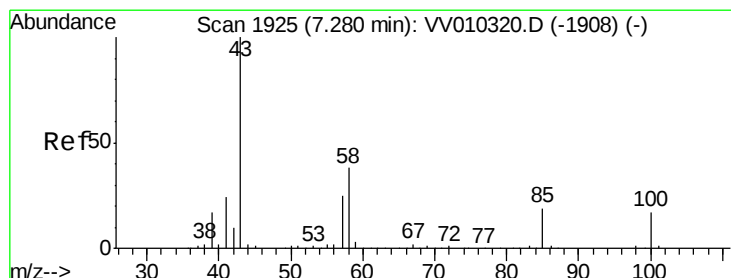
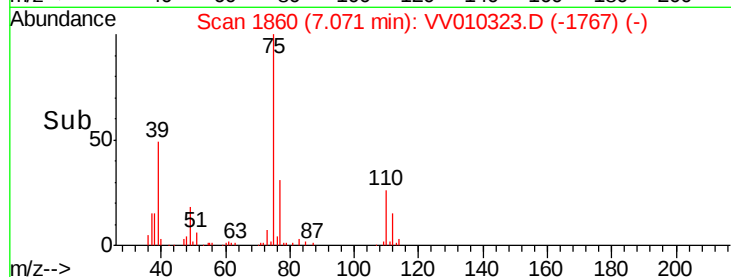
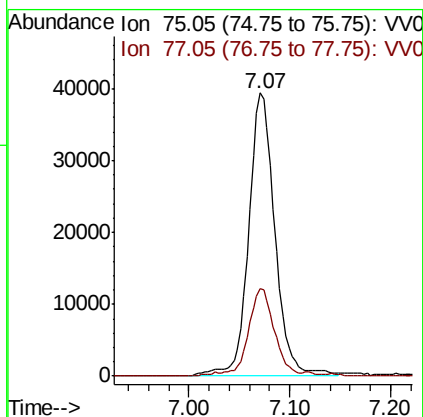
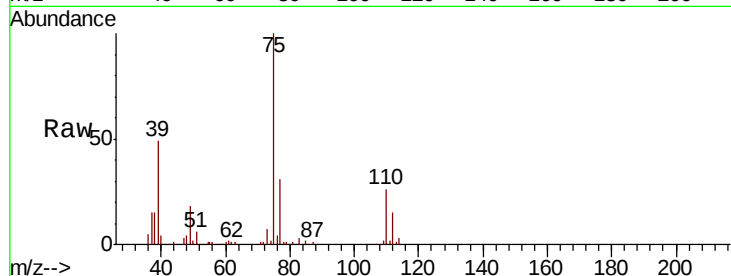




#39
 cis-1,3-Dichloropropene
 Concen: 5.053 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV010323.D
 Acq: 13 Apr 2019 16:53

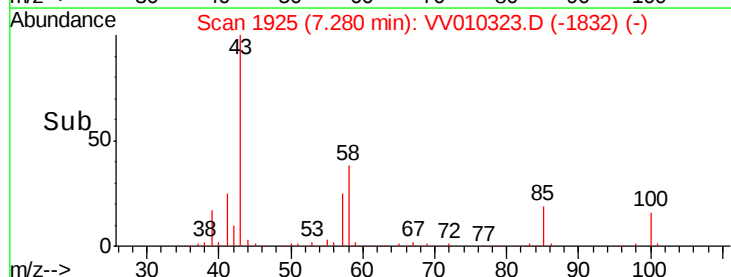
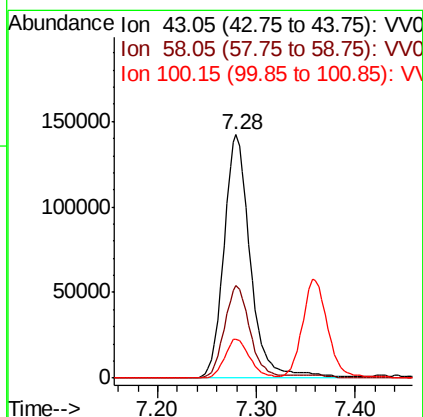
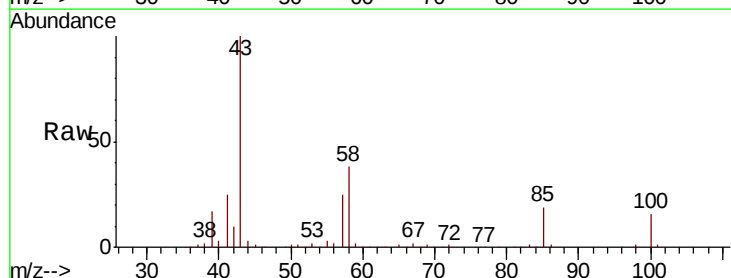
Instrument :
 MSVOA_V
 ClientSampled :
 VICV37

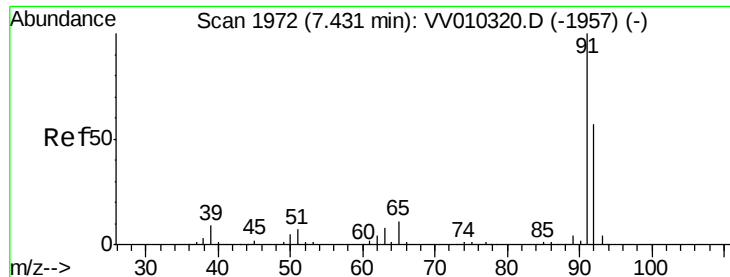
Tot Ion: 75 Resp: 70906
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.1 44.8



#40
 4-Methyl-2-pentanone
 Concen: 48.966 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV010323.D
 Acq: 13 Apr 2019 16:53

Tgt Ion: 43 Resp: 267742
 Ion Ratio Lower Upper
 43 100
 58 36.9 32.3 48.5
 100 15.3 12.0 18.0





#42

Toluene

Concen: 4.889 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010323.D

Acq: 13 Apr 2019 16:53

Instrument :

MSVOA_V

ClientSampled :

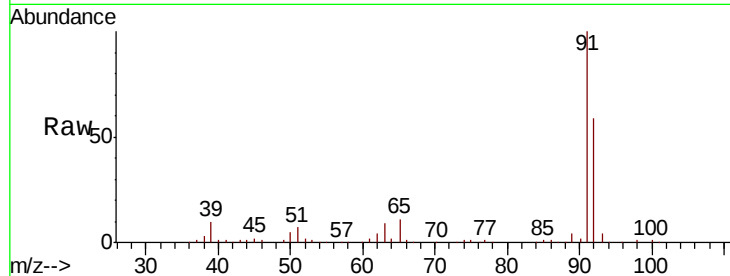
VICV37

Tot Ion: 91 Resp: 238834

Ion Ratio Lower Upper

91 100

92 58.6 39.1 72.5



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

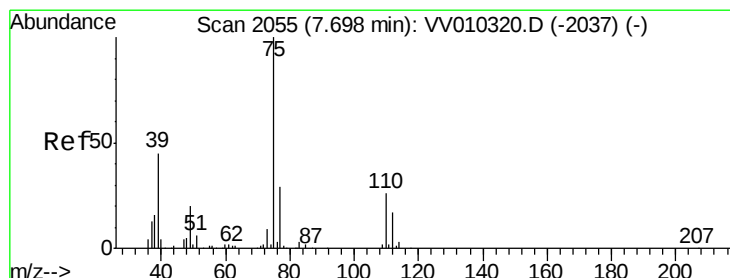
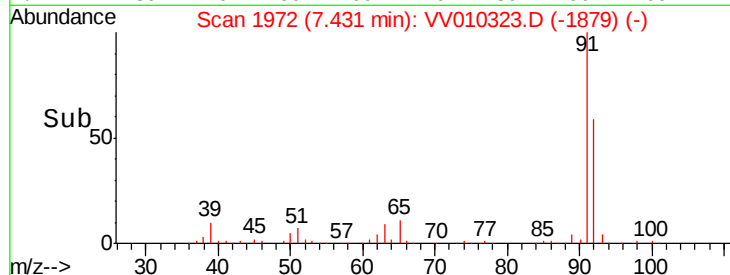
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#44

trans-1,3-Dichloropropene

Concen: 4.878 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV010323.D

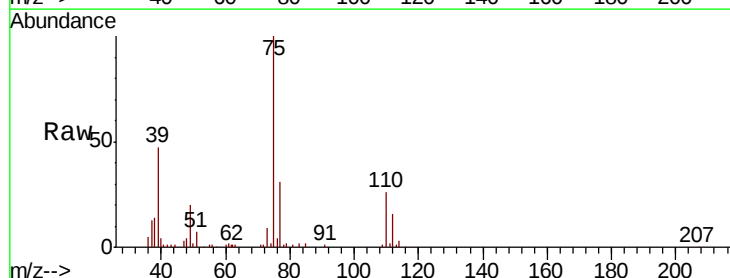
Acq: 13 Apr 2019 16:53

Tgt Ion: 75 Resp: 52710

Ion Ratio Lower Upper

75 100

77 30.8 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

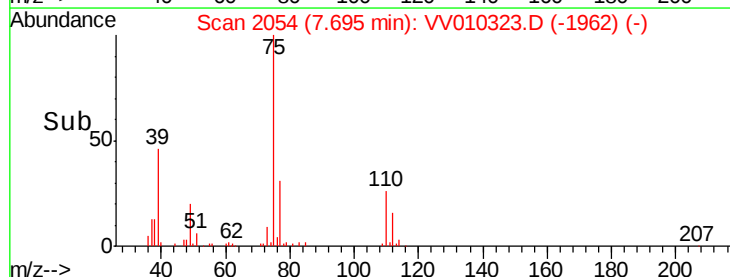
30000

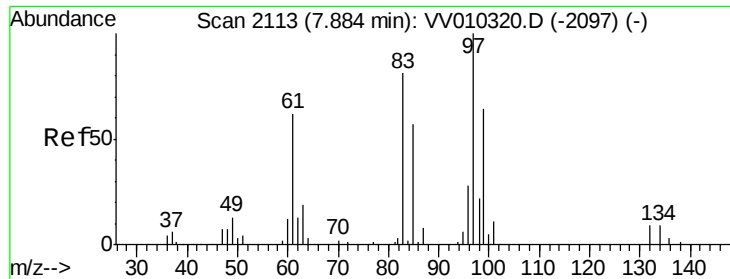
20000

10000

0

Time--> 7.60 7.70 7.80

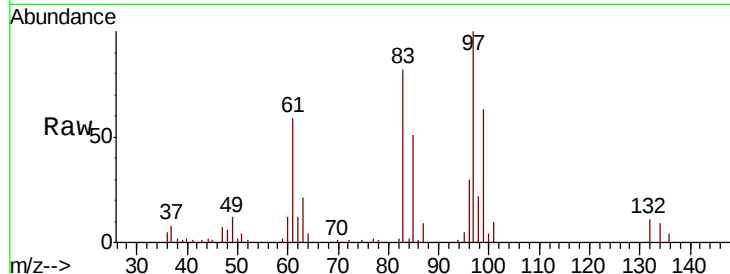




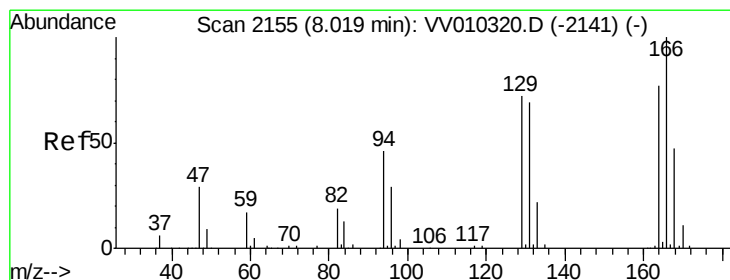
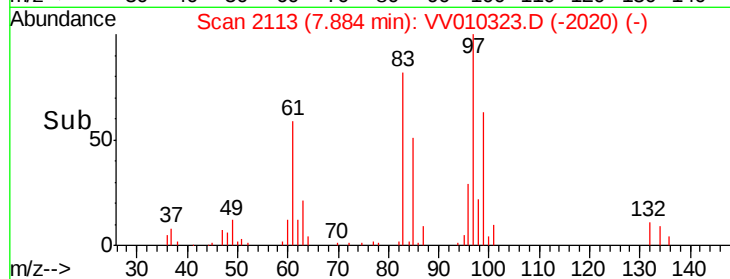
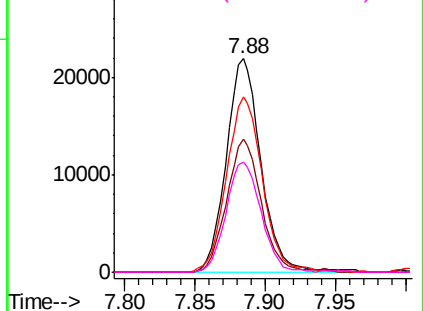
#45
 1,1,2-Trichloroethane
 Concen: 4.712 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV010323.D
 Acq: 13 Apr 2019 16:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV37

Tot Ion:	97	Resp:	37609
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.8	81.4
83	82.2	60.7	112.7
85	51.3	40.5	75.3

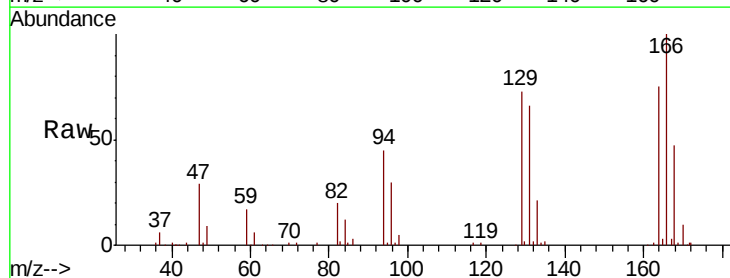


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

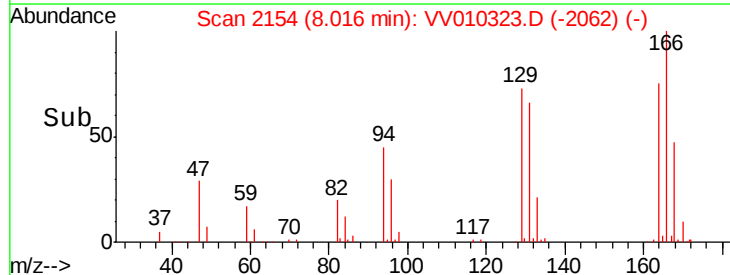
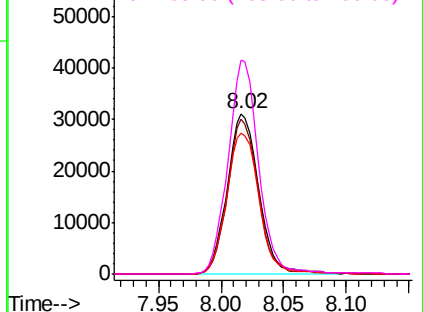


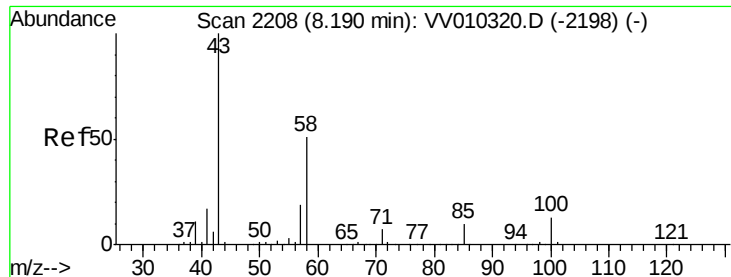
#47
 Tetrachloroethene
 Concen: 4.882 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV010323.D
 Acq: 13 Apr 2019 16:53

Tgt Ion:	164	Resp:	54400
Ion	Ratio	Lower	Upper
164	100		
129	96.9	73.6	136.8
131	88.2	68.4	127.0
166	133.5	91.8	170.4



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

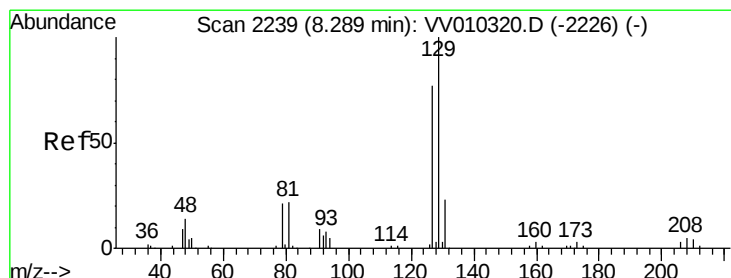
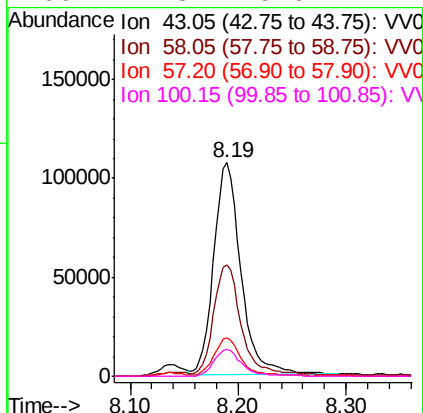
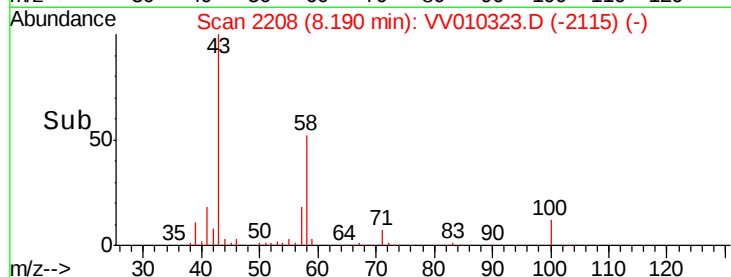
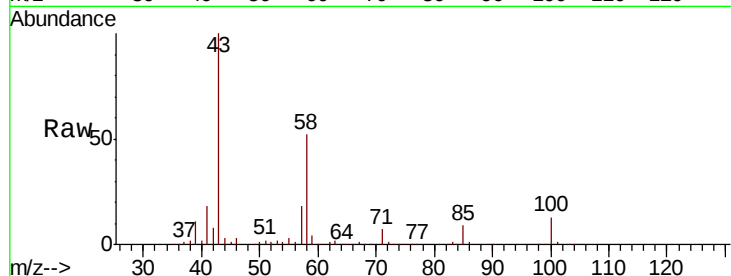




#48
2-Hexanone
Concen: 51.582 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV010323.D
Acq: 13 Apr 2019 16:53

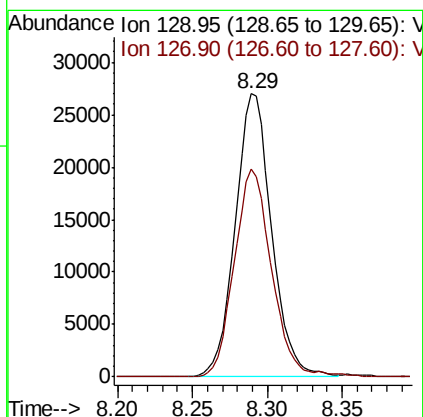
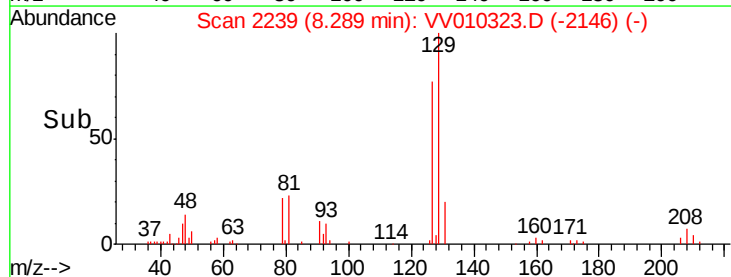
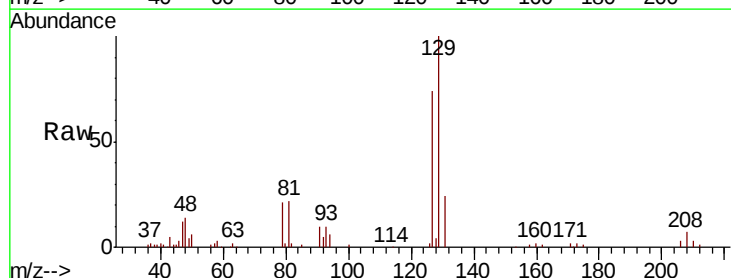
Instrument :
MSVOA_V
ClientSampleId :
VICV37

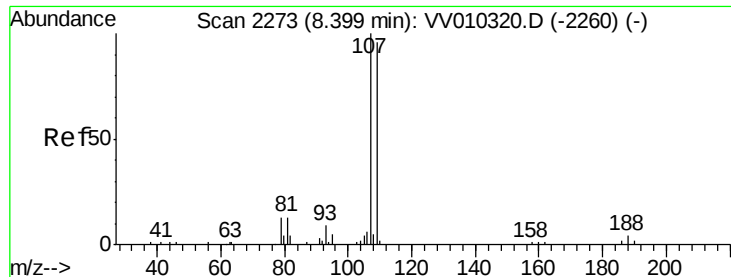
Tot Ion: 43 Resp: 189172
Ion Ratio Lower Upper
43 100
58 52.6 43.4 65.0
57 18.5 15.0 22.4
100 12.3 9.6 14.4



#49
Dibromochloromethane
Concen: 4.799 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010323.D
Acq: 13 Apr 2019 16:53

Tgt Ion: 129 Resp: 45738
Ion Ratio Lower Upper
129 100
127 73.5 52.4 97.4

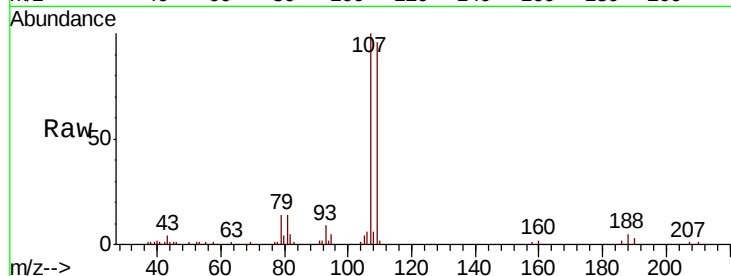




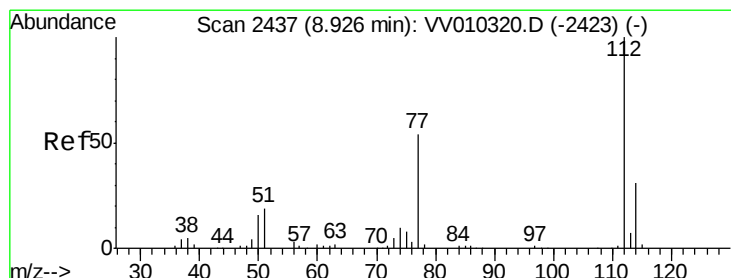
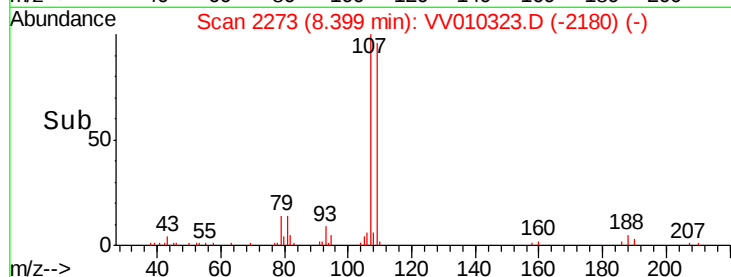
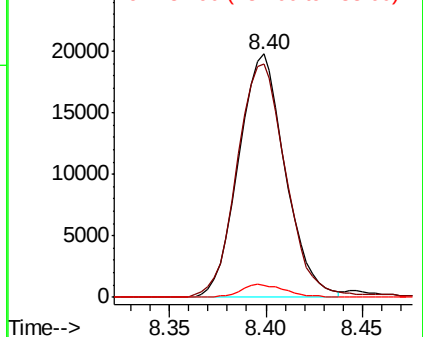
#50
1,2-Dibromoethane
Concen: 4.599 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV010323.D
Acq: 13 Apr 2019 16:53

Instrument :
MSVOA_V
ClientSampled :
VICV37

Tot Ion:107 Resp: 33249
Ion Ratio Lower Upper
107 100
109 96.0 61.8 114.8
188 5.1 2.4 3.6#

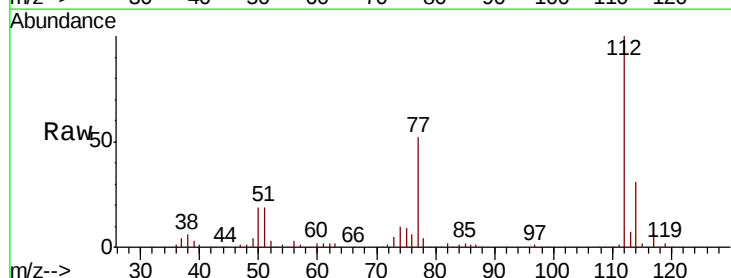


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

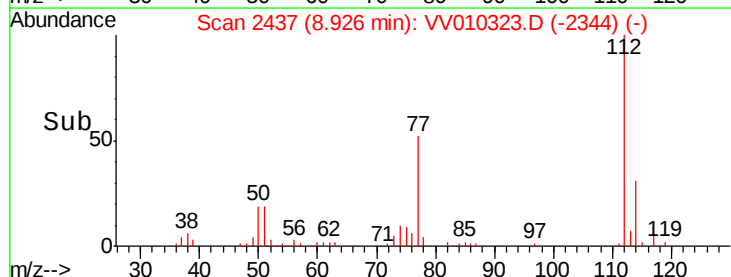
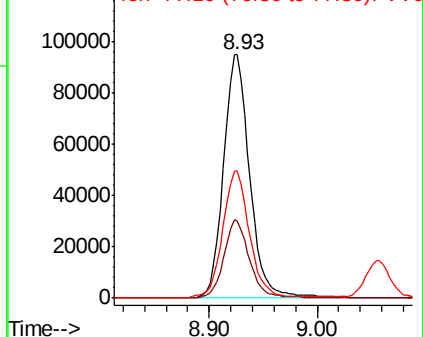


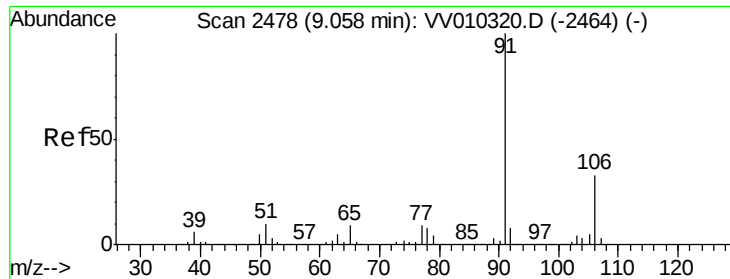
#51
Chlorobenzene
Concen: 4.844 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV010323.D
Acq: 13 Apr 2019 16:53

Tgt Ion:112 Resp: 159693
Ion Ratio Lower Upper
112 100
114 31.5 21.8 40.4
77 52.1 45.0 67.4



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





#52

Ethylbenzene

Concen: 4.944 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV010323.D

Acq: 13 Apr 2019 16:53

Instrument :

MSVOA_V

ClientSampleId :

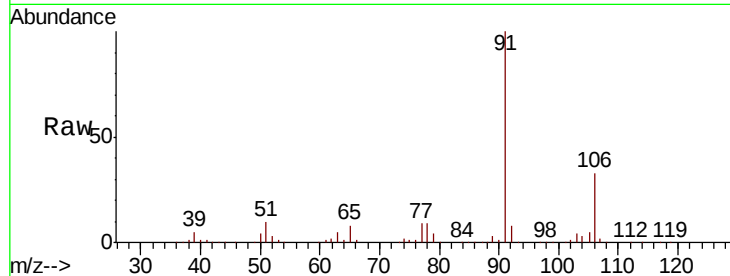
VICV37

Tot Ion: 91 Resp: 259176

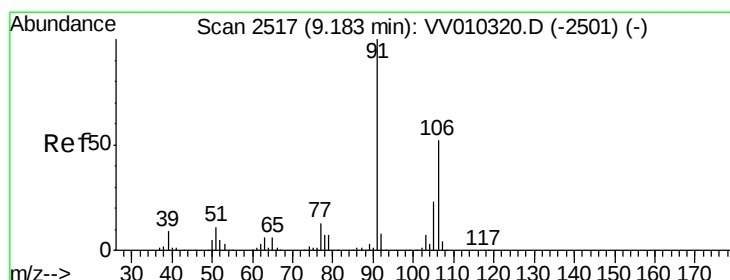
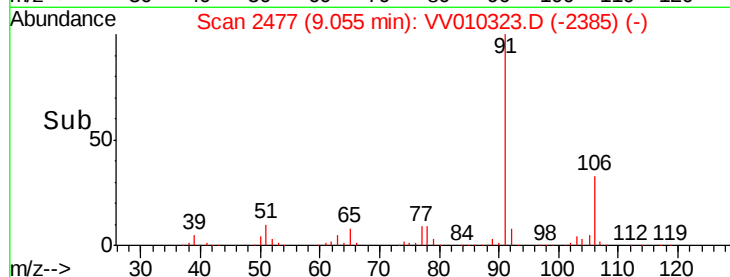
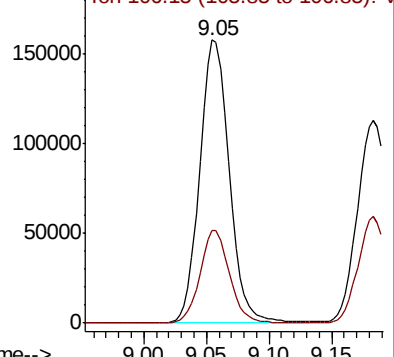
Ion Ratio Lower Upper

91 100

106 32.8 22.7 42.1



Abundance Ion 91.15 (90.85 to 91.85): VV010323.D (-2385) (-)



#53

m,p-xylene

Concen: 5.053 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV010323.D

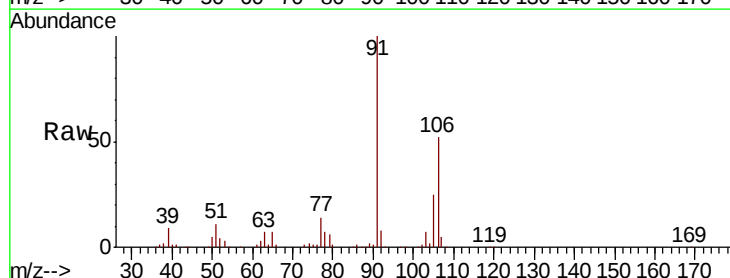
Acq: 13 Apr 2019 16:53

Tgt Ion: 106 Resp: 104181

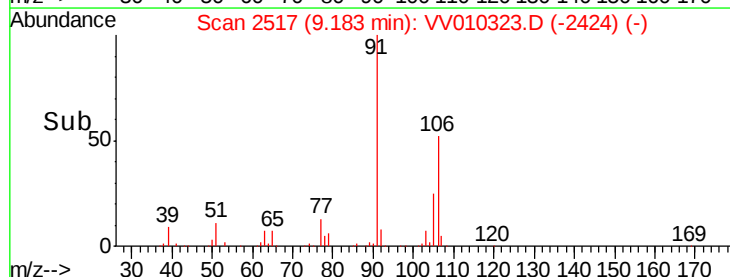
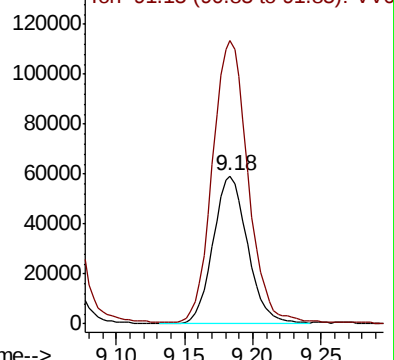
Ion Ratio Lower Upper

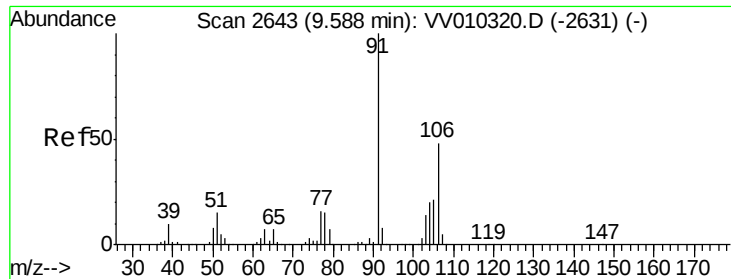
106 100

91 191.2 143.2 266.0



Abundance Ion 106.15 (105.85 to 106.85): VV010323.D (-2424) (-)





#54

o-xylene

Concen: 5.086 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010323.D

Acq: 13 Apr 2019 16:53

Instrument :

MSVOA_V

ClientSampleId :

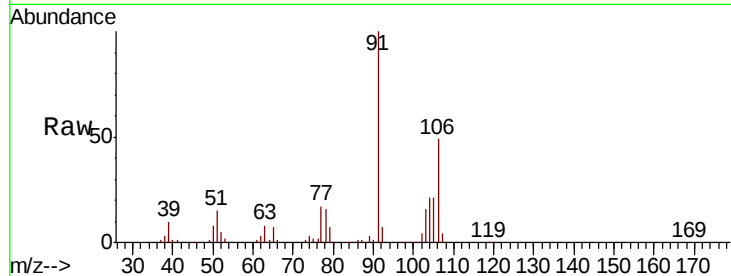
VICV37

Tot Ion:106 Resp: 100737

Ion Ratio Lower Upper

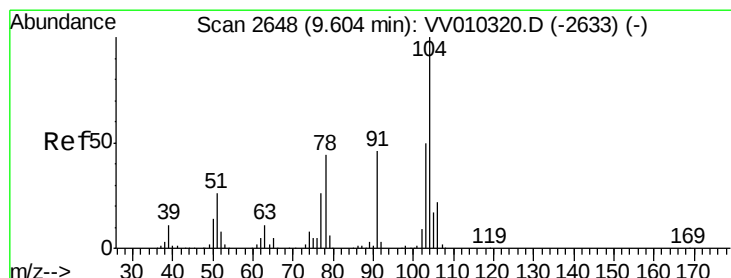
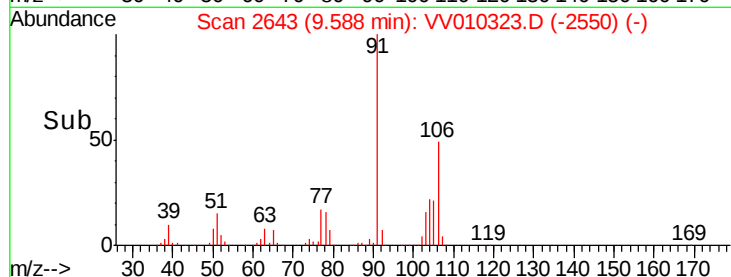
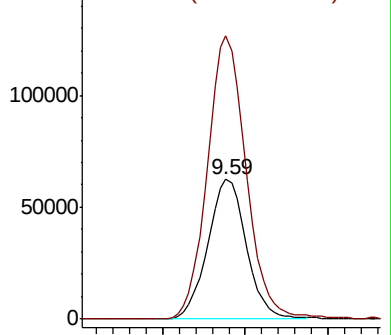
106 100

91 202.2 152.9 283.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.034 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010323.D

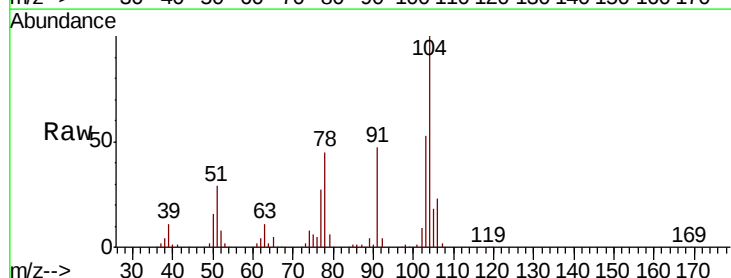
Acq: 13 Apr 2019 16:53

Tgt Ion:104 Resp: 162168

Ion Ratio Lower Upper

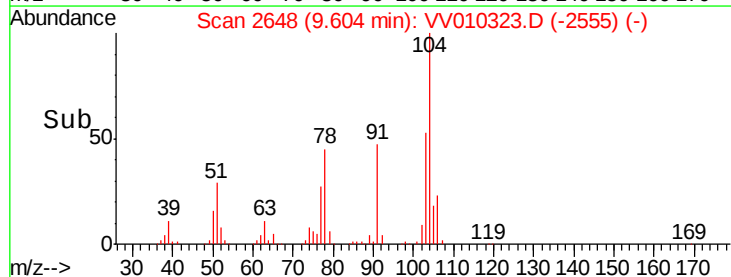
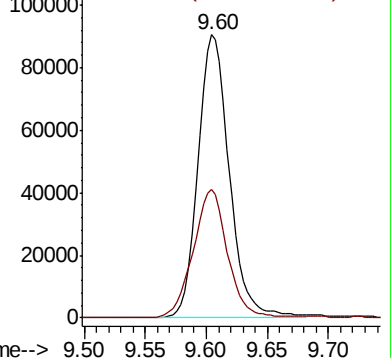
104 100

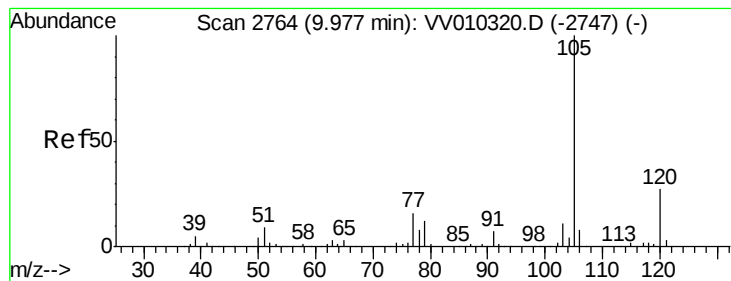
78 45.4 32.2 59.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.125 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV010323.D

Acq: 13 Apr 2019 16:53

Instrument :

MSVOA_V

ClientSampled :

VICV37

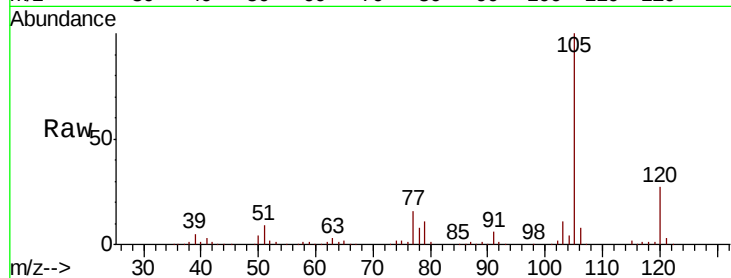
Tot Ion:105 Resp: 268634

Ion Ratio Lower Upper

105 100

120 27.4 21.4 32.2

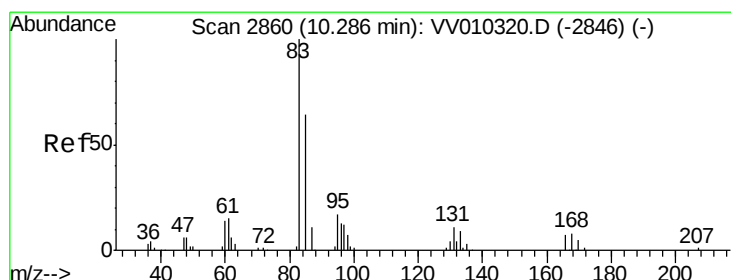
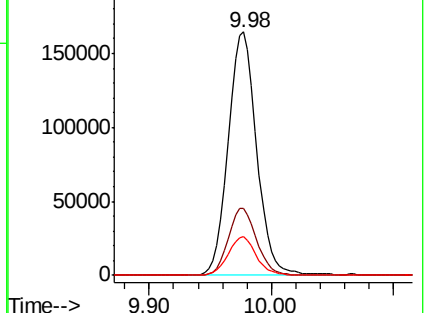
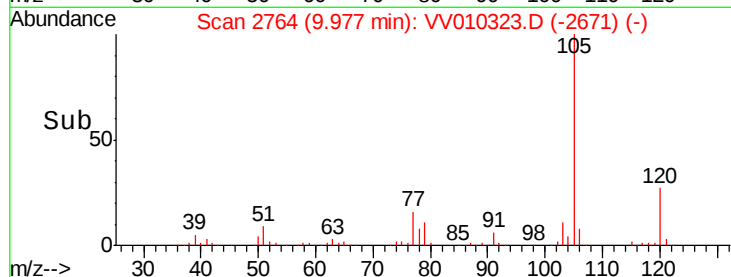
77 15.6 12.6 19.0



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: 4.812 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010323.D

Acq: 13 Apr 2019 16:53

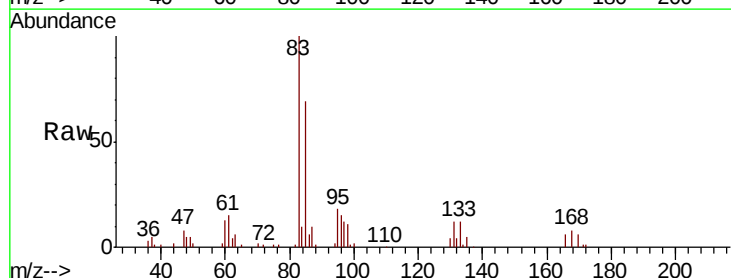
Tgt Ion: 83 Resp: 41352

Ion Ratio Lower Upper

83 100

85 68.8 45.8 85.2

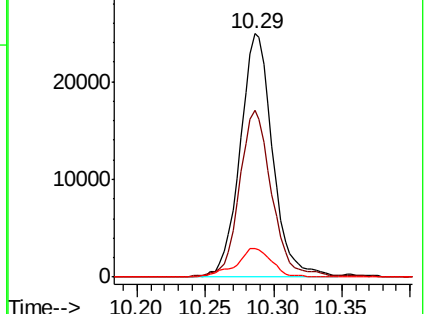
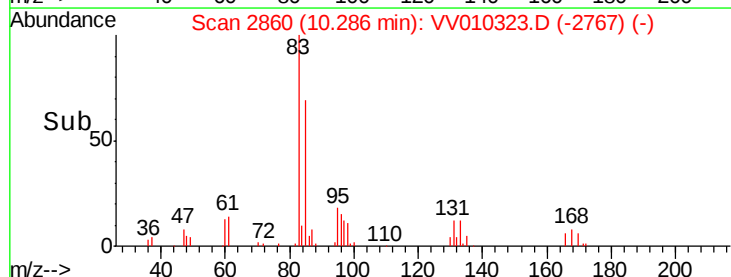
131 11.7 9.0 13.4

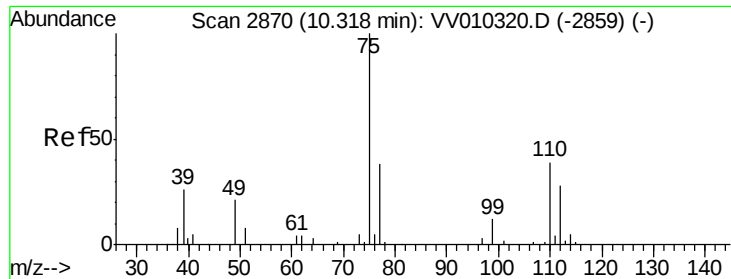


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

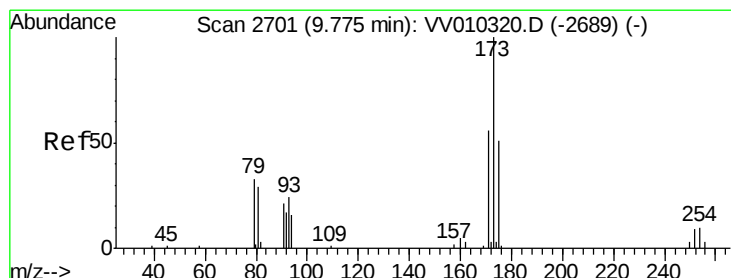
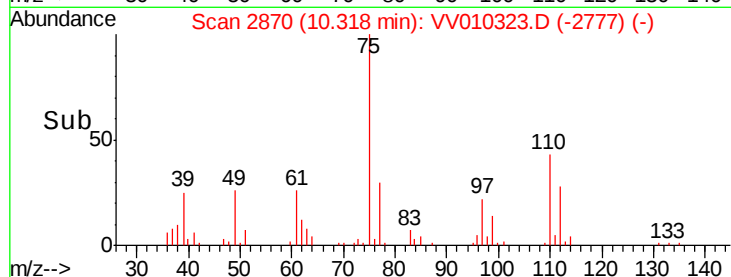
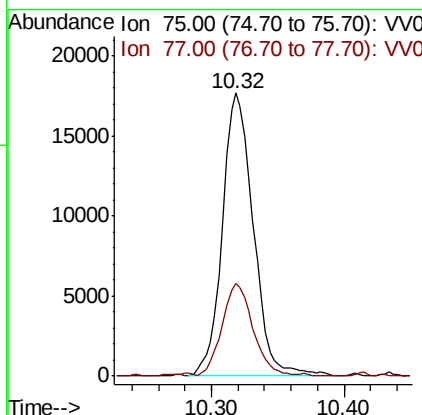
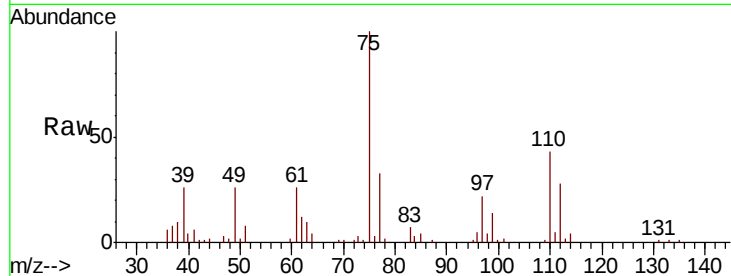




#59
 1,2,3-Trichloropropane
 Concen: 4.714 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV010323.D
 Acq: 13 Apr 2019 16:53

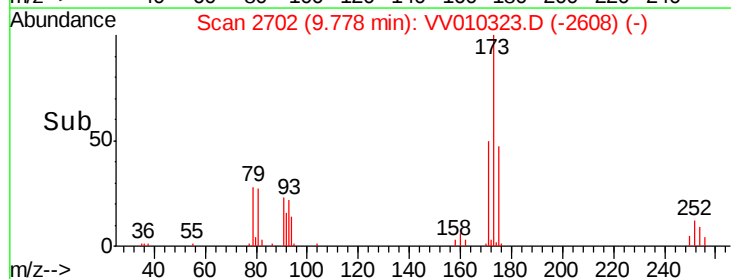
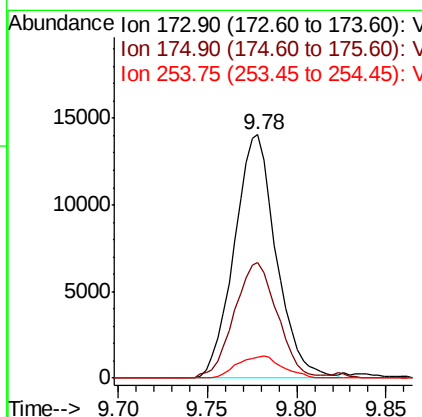
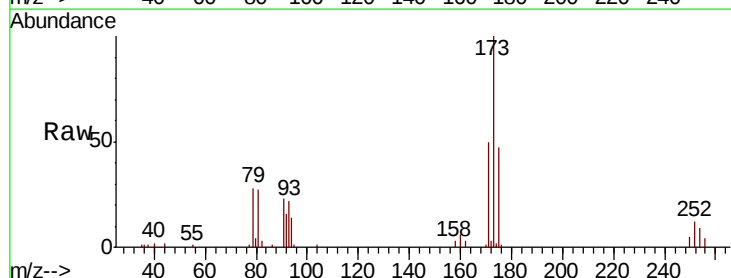
Instrument :
 MSVOA_V
 ClientSampled :
 VICV37

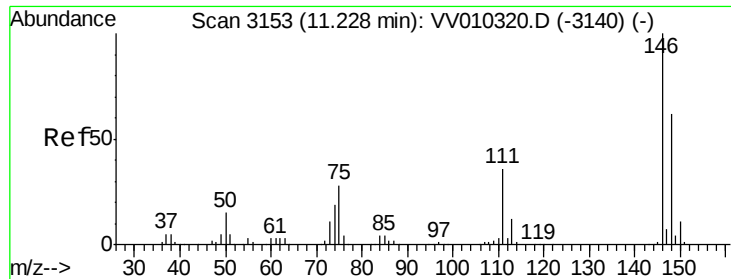
Tot Ion: 75 Resp: 28757
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.7 38.5



#61
 Bromoform
 Concen: 4.387 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV010323.D
 Acq: 13 Apr 2019 16:53

Tgt Ion:173 Resp: 23040
 Ion Ratio Lower Upper
 173 100
 175 49.0 40.0 60.0
 254 9.8 6.2 9.2#





#62

1,3-Dichlorobenzene

Concen: 4.850 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV010323.D

Acq: 13 Apr 2019 16:53

Instrument :

MSVOA_V

ClientSampled :

VICV37

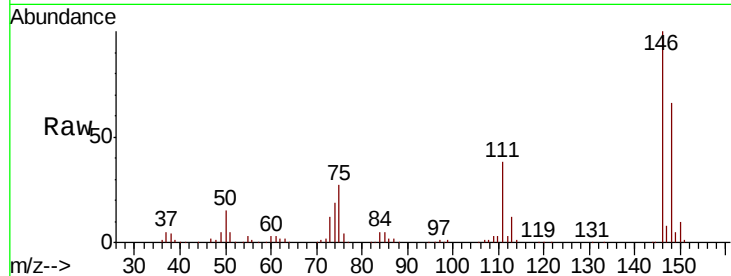
Tot Ion:146 Resp: 134148

Ion Ratio Lower Upper

146 100

111 37.7 29.7 55.1

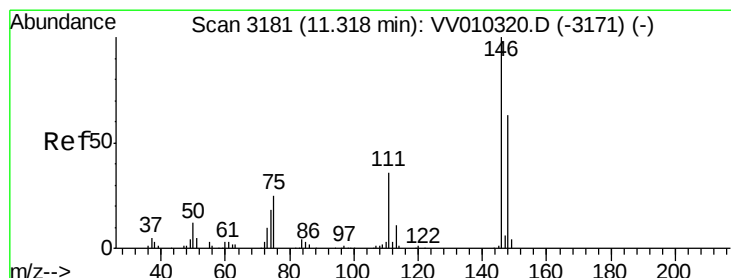
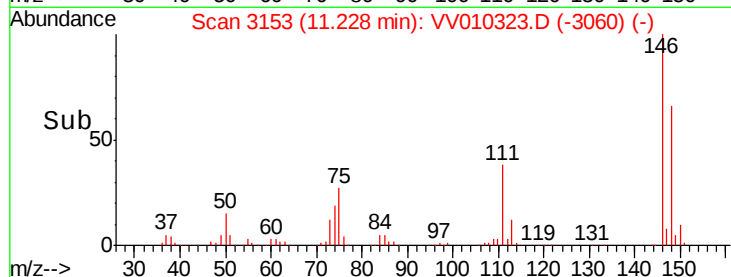
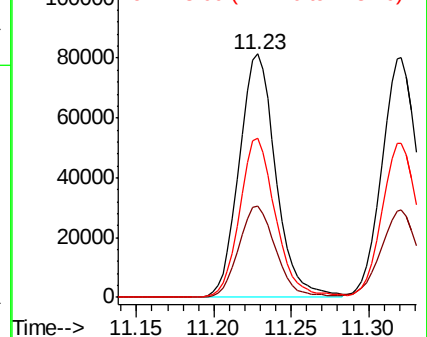
148 65.5 44.2 82.0



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: 4.838 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV010323.D

Acq: 13 Apr 2019 16:53

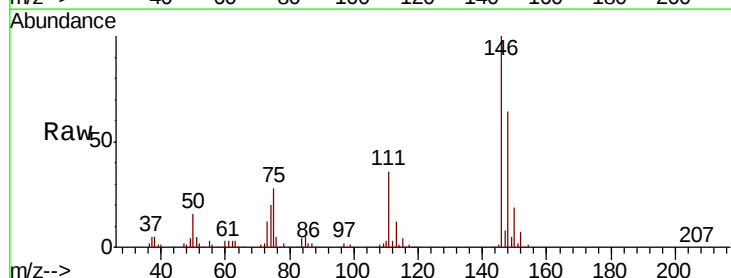
Tgt Ion:146 Resp: 135627

Ion Ratio Lower Upper

146 100

111 36.5 27.4 51.0

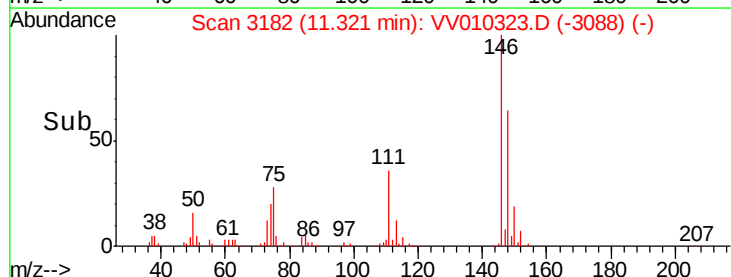
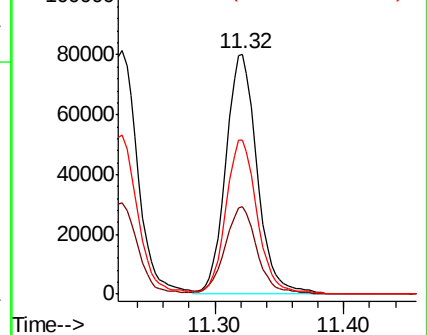
148 64.4 43.6 81.0

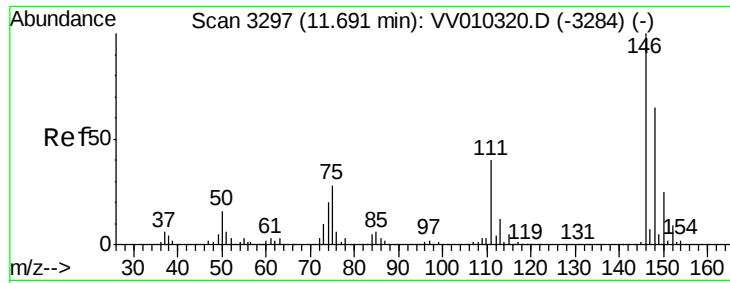


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.735 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010323.D

Acq: 13 Apr 2019 16:53

Instrument :

MSVOA_V

ClientSampleId :

VICV37

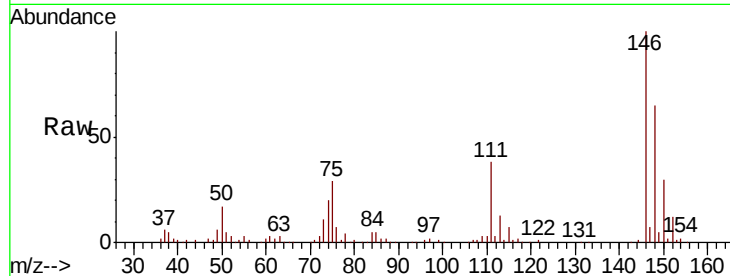
Tot Ion:146 Resp: 123235

Ion Ratio Lower Upper

146 100

111 38.1 34.7 52.1

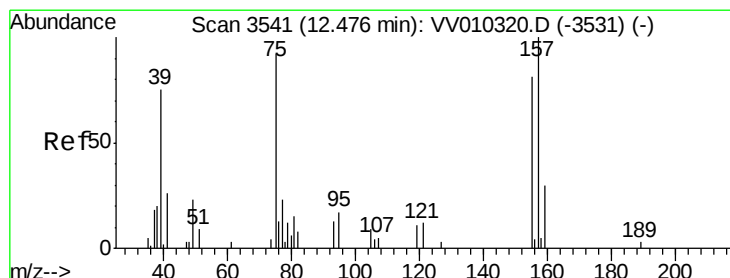
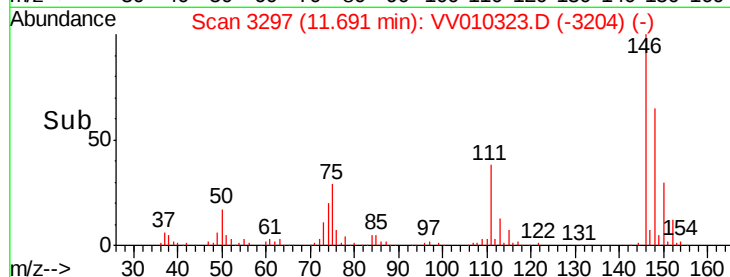
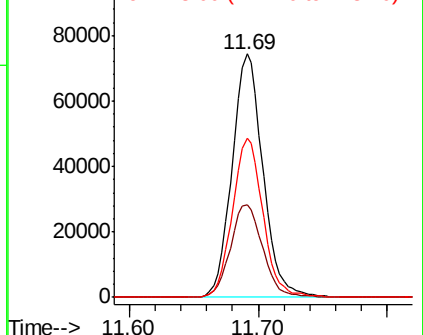
148 65.1 50.6 76.0



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: 4.438 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV010323.D

Acq: 13 Apr 2019 16:53

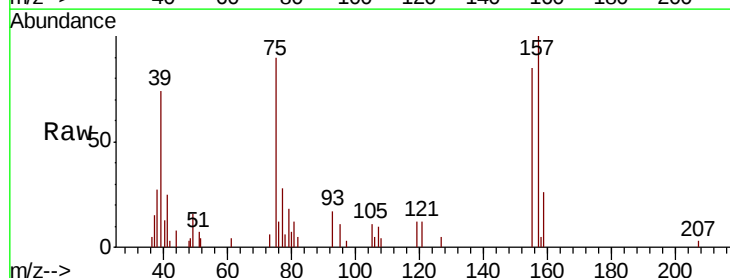
Tgt Ion: 75 Resp: 5394

Ion Ratio Lower Upper

75 100

155 95.2 73.5 110.3

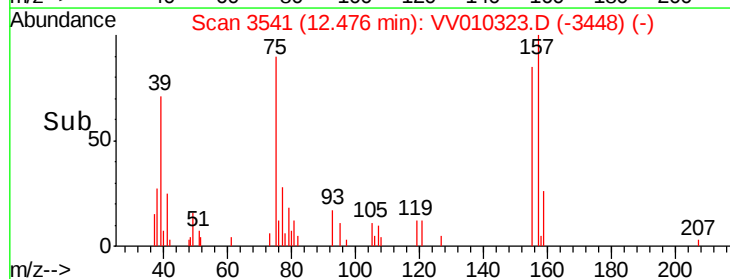
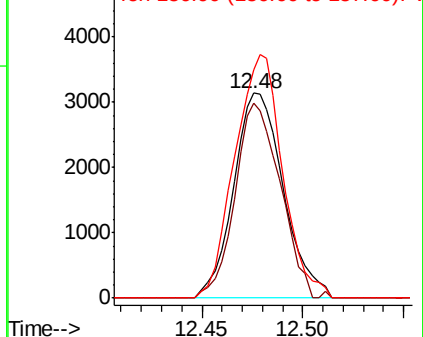
157 111.5 88.3 132.5

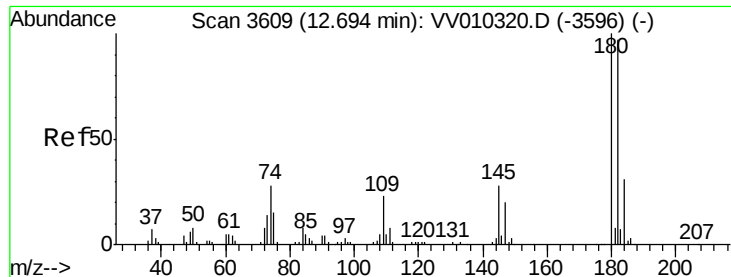


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

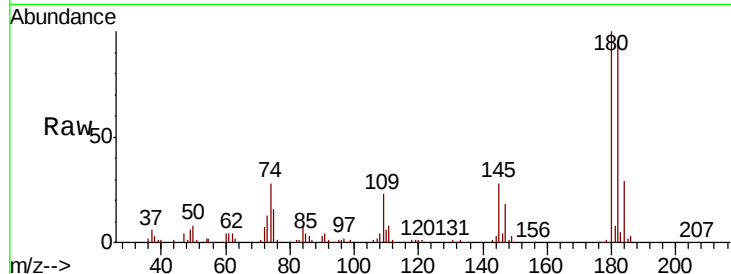




#67
 1,3,5-Trichlorobenzene
 Concen: 4.895 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV010323.D
 Acq: 13 Apr 2019 16:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV37

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	75.0	112.6
184	30.0	23.9	35.9
145	29.5	25.3	37.9



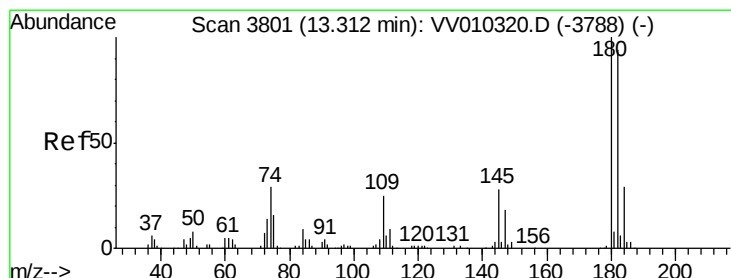
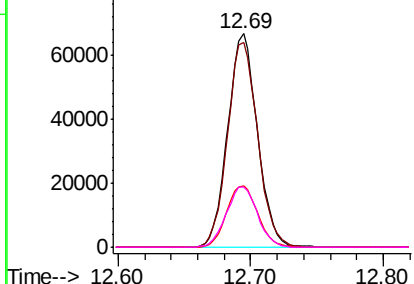
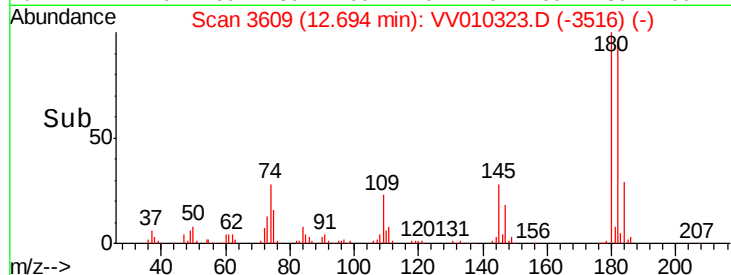
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

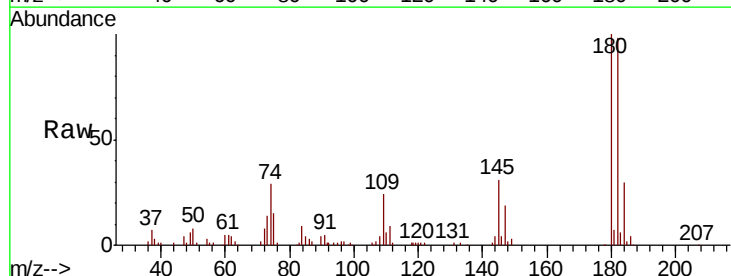
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.005 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV010323.D
 Acq: 13 Apr 2019 16:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.1	75.2	112.8
145	29.8	26.6	39.8

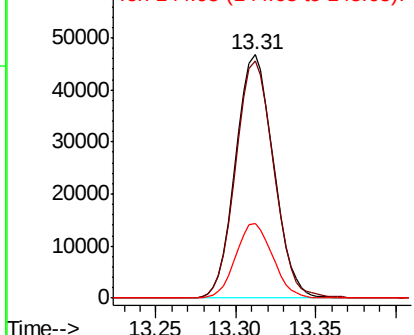
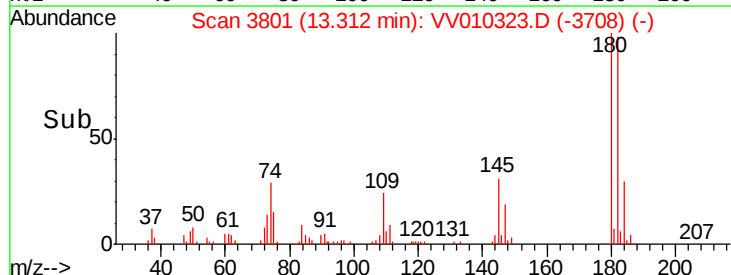


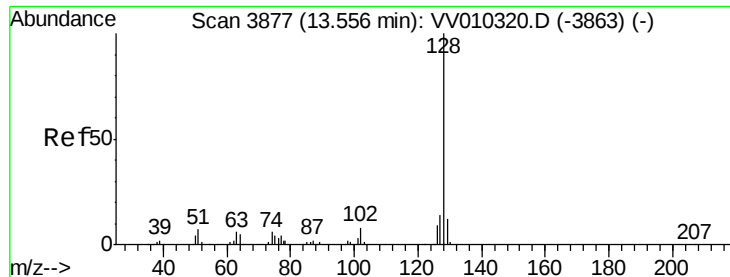
Abundance

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: 5.420 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV010323.D

Acq: 13 Apr 2019 16:53

Instrument :

MSVOA_V

ClientSampleId :

VICV37

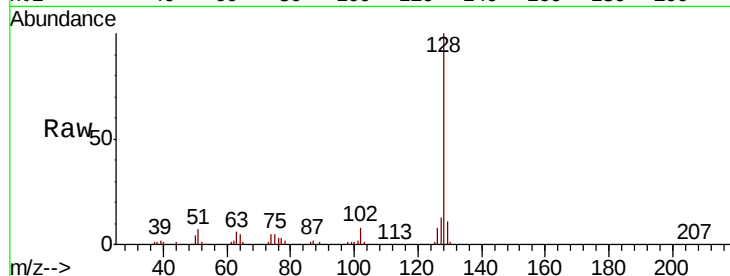
Tot Ion:128 Resp: 94520

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

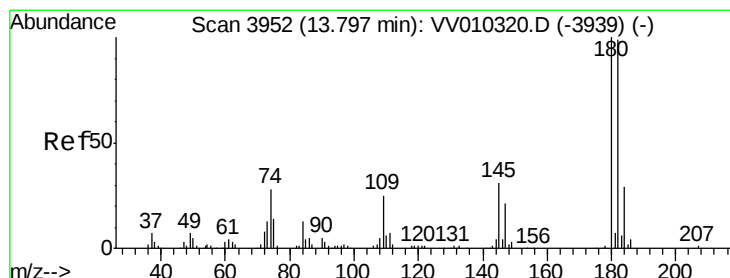
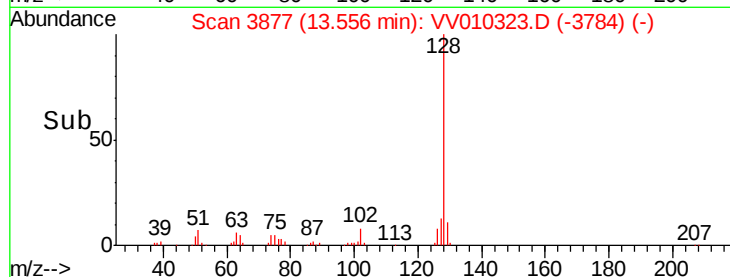
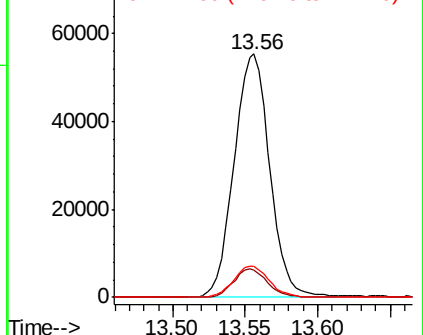
127 12.9 10.4 15.6



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: 5.245 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV010323.D

Acq: 13 Apr 2019 16:53

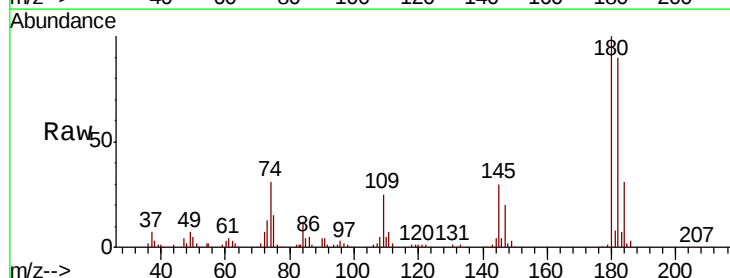
Tgt Ion:180 Resp: 72155

Ion Ratio Lower Upper

180 100

182 93.6 76.8 115.2

145 30.9 28.2 42.2



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

