

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112019\
 Data File : VV013701.D
 Acq On : 20 Nov 2019 20:20
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 00:56:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 21 00:51:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	376420	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	357406	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	201162	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	130868	5.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.60%
7) Chloroethane-d5	1.58	69	118738	5.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.40%
11) 1,1-Dichloroethene-d2	2.13	63	234660	5.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	112.60%
20) 2-Butanone-d5	3.94	46	304704	56.67	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.34%
24) Chloroform-d	4.40	84	279022	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.60%
26) 1,2-Dichloroethane-d4	5.08	65	139942	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.40%
32) Benzene-d6	5.10	84	553379	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.00%
36) 1,2-Dichloropropane-d6	6.11	67	165656	5.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.60%
41) Toluene-d8	7.36	98	530150	5.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.60%
43) trans-1,3-Dichloropropene-	7.66	79	59905	5.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.80%
46) 2-Hexanone-d5	8.13	63	263343	61.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.84%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	128006	6.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	120.20%#
64) 1,2-Dichlorobenzene-d4	11.67	152	208997	5.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	160143	4.626 ug/L	98
3) Chloromethane	1.25	50	147617	4.433 ug/L	99
5) Vinyl chloride	1.32	62	151087	4.762 ug/L	99
6) Bromomethane	1.53	94	57302	2.964 ug/L	99
8) Chloroethane	1.60	64	88990	4.997 ug/L	97
9) Trichlorofluoromethane	1.77	101	213153	5.054 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	119104	5.142 ug/L	97
12) 1,1-Dichloroethene	2.14	96	114466	5.090 ug/L	95
13) Acetone	2.21	43	152005	44.804 ug/L #	41
14) Carbon disulfide	2.32	76	349099	4.500 ug/L	99
15) Methyl Acetate	2.47	43	47234	4.916 ug/L	99
16) Methylene chloride	2.53	84	132043	4.225 ug/L	95
17) Methyl tert-butyl Ether	2.80	73	291006	5.067 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	131794	4.752 ug/L	92
19) 1,1-Dichloroethane	3.23	63	236755	4.780 ug/L	97
21) 2-Butanone	4.03	43	299823	52.699 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	141268	4.908 ug/L #	97

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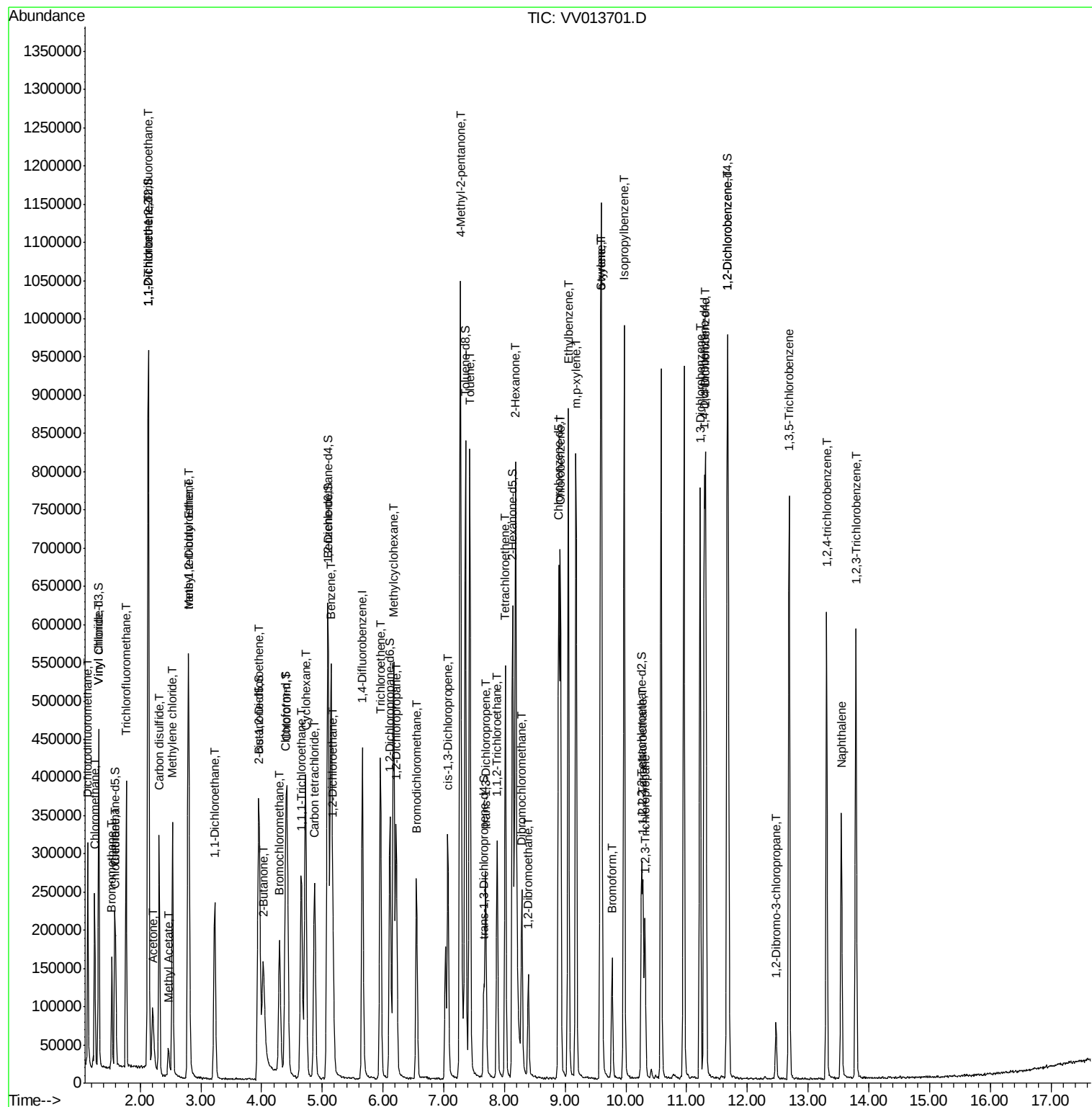
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	65140	4.909	ug/L	97
25) Chloroform	4.42	83	264400	3.942	ug/L	100
27) 1,2-Dichloroethane	5.18	62	154110	5.172	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	212610	4.921	ug/L	98
30) Cyclohexane	4.72	56	204992	4.770	ug/L	98
31) Carbon tetrachloride	4.87	117	191444	4.905	ug/L	96
33) Benzene	5.14	78	536297	4.957	ug/L	100
34) Trichloroethene	5.96	95	144366	4.986	ug/L	98
35) Methylcyclohexane	6.17	83	212287	4.806	ug/L	98
37) 1,2-Dichloropropane	6.22	63	132798	5.126	ug/L	100
38) Bromodichloromethane	6.55	83	174649	4.834	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	188742	5.069	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	838832	55.660	ug/L	98
42) Toluene	7.43	91	590527	5.109	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	147872	5.039	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	95719	5.124	ug/L	99
47) Tetrachloroethene	8.02	164	126497	4.715	ug/L	96
48) 2-Hexanone	8.18	43	599585	56.095	ug/L	98
49) Dibromochloromethane	8.29	129	120847	5.096	ug/L	99
50) 1,2-Dibromoethane	8.39	107	89538	4.990	ug/L	97
51) Chlorobenzene	8.92	112	362131	4.725	ug/L	100
52) Ethylbenzene	9.05	91	598521	4.858	ug/L	99
53) m,p-xylene	9.18	106	229920	4.948	ug/L	95
54) o-xylene	9.58	106	222743	4.984	ug/L	99
55) Styrene	9.60	104	393108	5.201	ug/L	99
56) Isopropylbenzene	9.97	105	612097	5.151	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	114089	5.505	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	84255	5.262	ug/L	99
61) Bromoform	9.77	173	73414	4.875	ug/L	97
62) 1,3-Dichlorobenzene	11.22	146	323829	4.803	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	317826	4.642	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	299834	4.774	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	17319	4.619	ug/L #	90
67) 1,3,5-Trichlorobenzene	12.69	180	248891	4.447	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	200008	4.351	ug/L	98
69) Naphthalene	13.55	128	276857	4.409	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	195164	4.647	ug/L	98

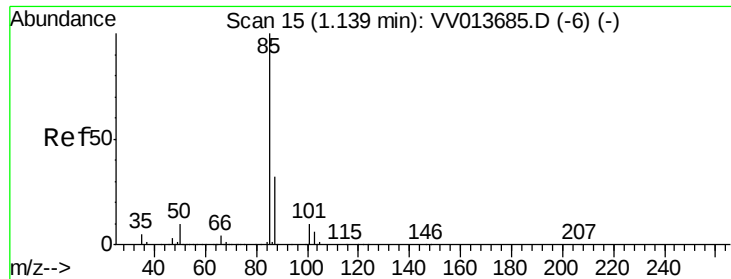
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.626 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013701.D

Acq: 20 Nov 2019 20:20

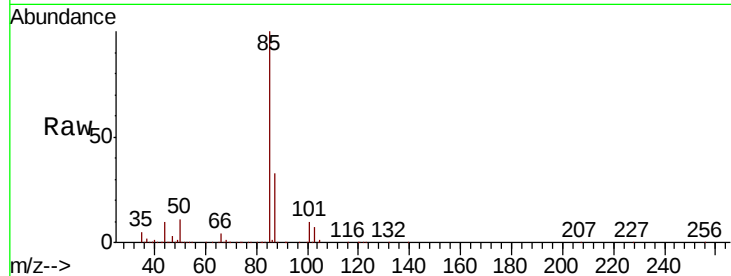
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 160143

Ion Ratio Lower Upper

85 100

87 33.5 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV013701.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV013701.D (-1) (-)

1.14

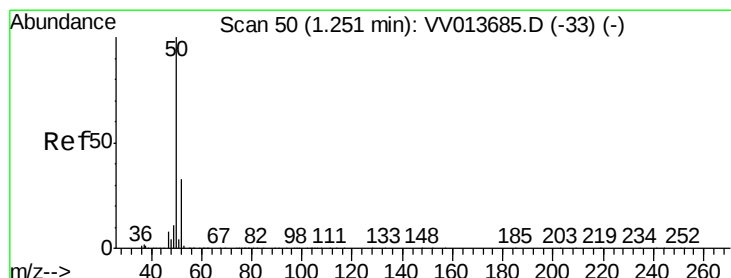
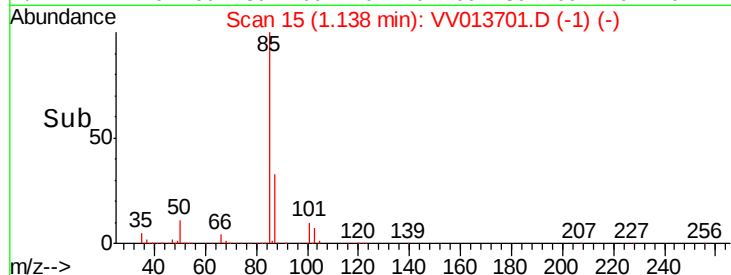
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.433 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013701.D

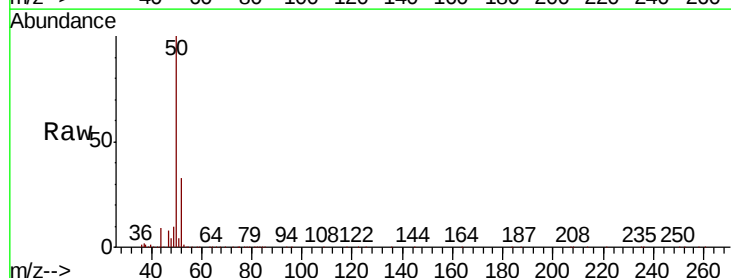
Acq: 20 Nov 2019 20:20

Tgt Ion: 50 Resp: 147617

Ion Ratio Lower Upper

50 100

52 32.8 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV013701.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV013701.D (-1) (-)

1.25

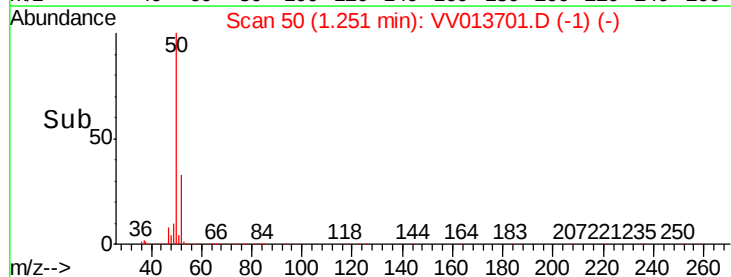
150000

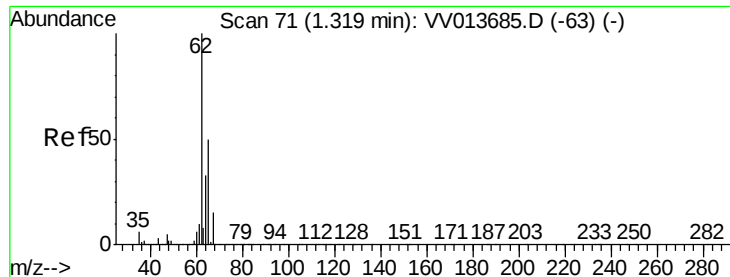
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.762 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

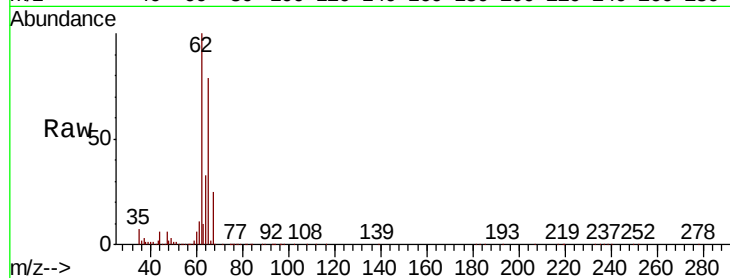
Lab File: VV013701.D

Acq: 20 Nov 2019 20:20

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 151087

Ion	Ratio	Lower	Upper
62	100		
64	32.7	23.4	43.6

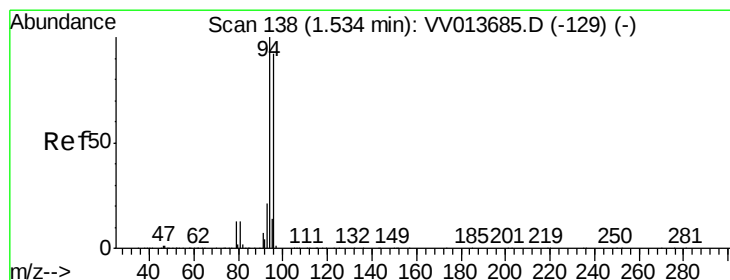
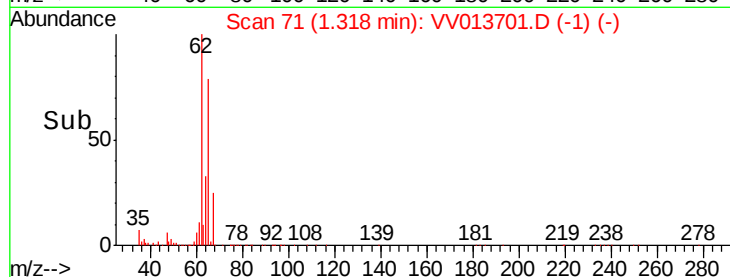


Abundance Ion 62.00 (61.70 to 62.70): VV013685.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VV013685.D (-63) (-)

1.32

Time-->



#6

Bromomethane

Concen: 2.964 ug/L

RT: 1.53 min Scan# 138

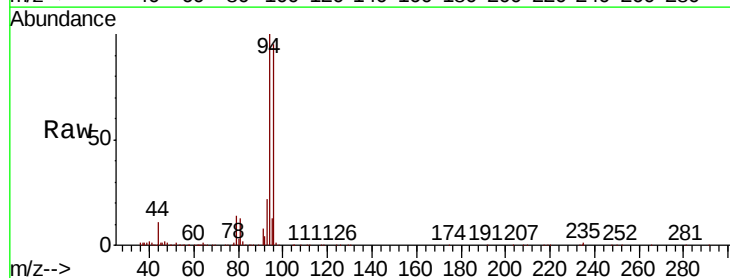
Delta R.T. -0.00 min

Lab File: VV013701.D

Acq: 20 Nov 2019 20:20

Tgt Ion: 94 Resp: 57302

Ion	Ratio	Lower	Upper
94	100		
96	94.9	67.0	124.4

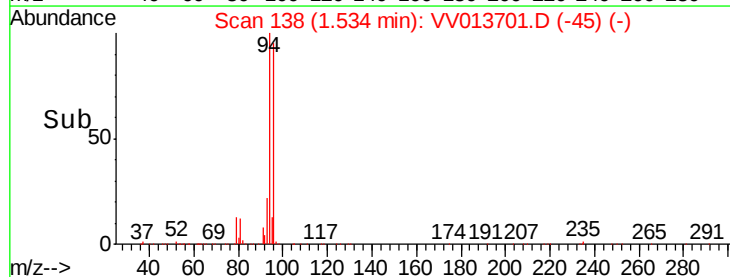


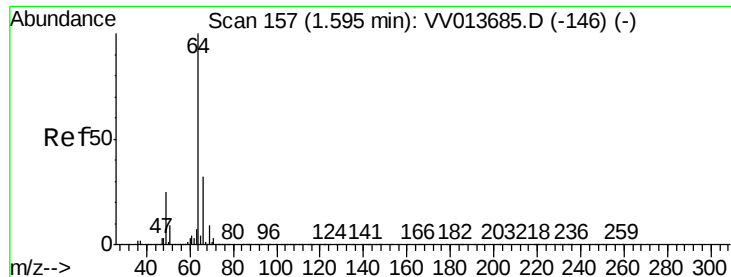
Abundance Ion 94.00 (93.70 to 94.70): VV013685.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV013685.D (-129) (-)

1.53

Time-->





#8

Chloroethane

Concen: 4.997 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013701.D

Acq: 20 Nov 2019 20:20

Instrument :

MSVOA_V

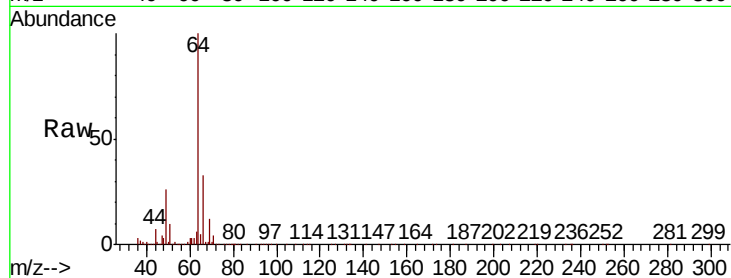
ClientSampleId :

Tot Ion: 64 Resp: 88990

Ion Ratio Lower Upper

64 100

66 33.1 21.9 40.7



Abundance Ion 64.10 (63.80 to 64.80): VV013685.D (-146) (-)

Ion 66.05 (65.75 to 66.75): VV013685.D (-146) (-)

1.60

80000

60000

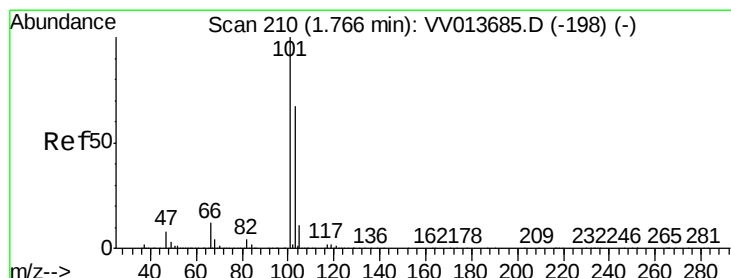
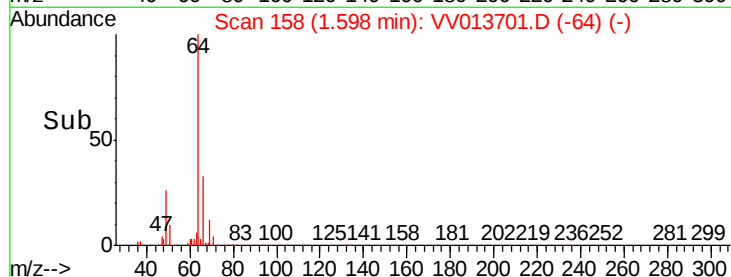
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#9

Trichlorofluoromethane

Concen: 5.054 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV013701.D

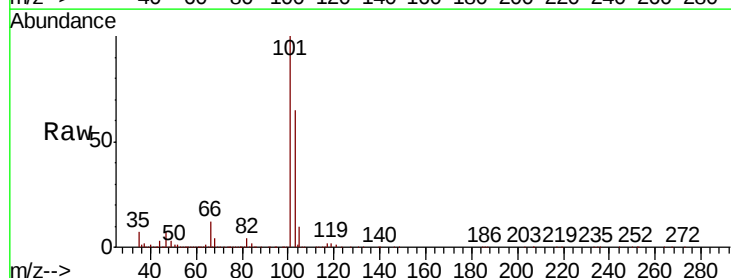
Acq: 20 Nov 2019 20:20

Tgt Ion: 101 Resp: 213153

Ion Ratio Lower Upper

101 100

103 64.5 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV013685.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV013685.D (-198) (-)

1.77

150000

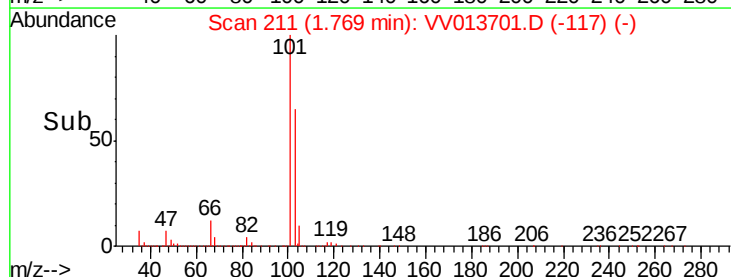
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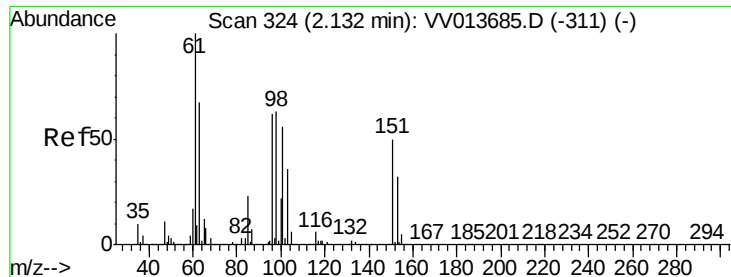
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 5.142 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV013701.D

Acq: 20 Nov 2019 20:20

Instrument :

MSVOA_V

ClientSampled :

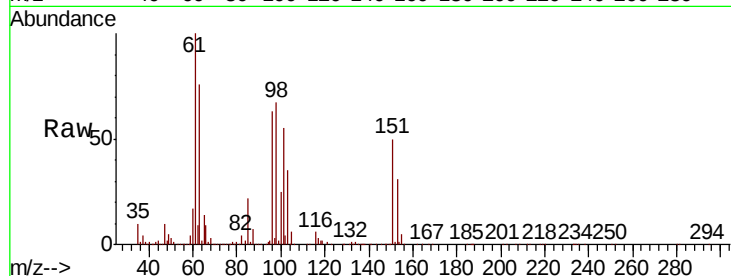
Tot Ion:101 Resp: 119104

Ion Ratio Lower Upper

101 100

85 41.4 32.0 48.0

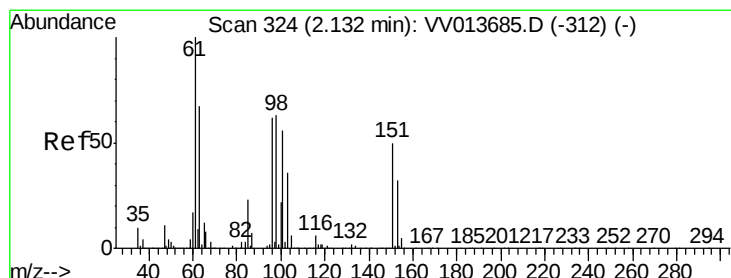
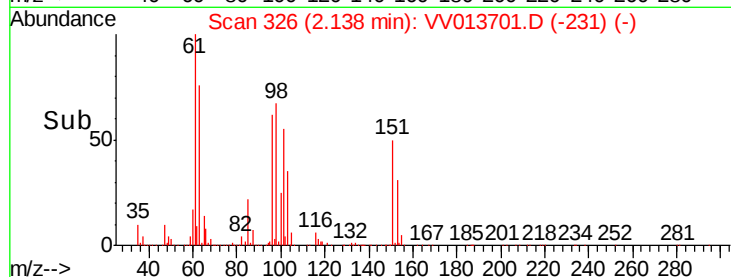
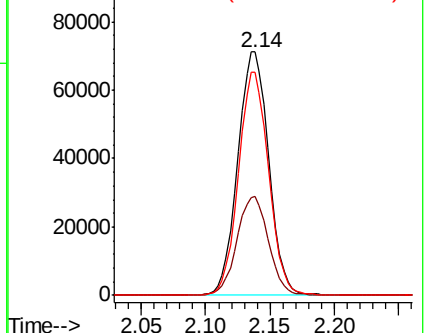
151 89.2 69.0 103.6



Abundance Ion 101.00 (100.70 to 101.70): VV013701.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV013701.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV013701.D (-231) (-)



#12

1,1-Dichloroethene

Concen: 5.090 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV013701.D

Acq: 20 Nov 2019 20:20

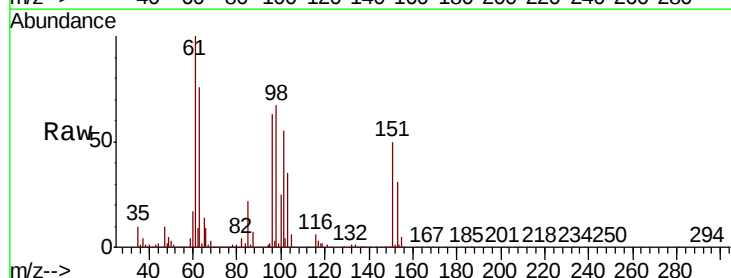
Tgt Ion: 96 Resp: 114466

Ion Ratio Lower Upper

96 100

61 159.9 112.5 208.9

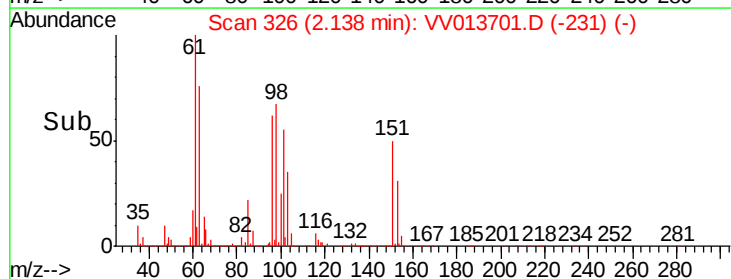
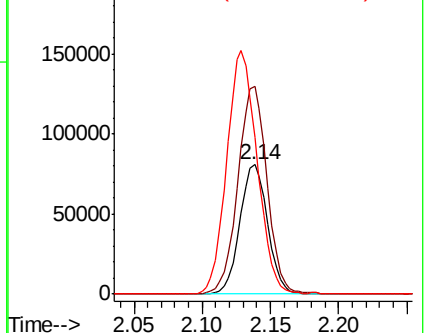
63 121.1 76.9 142.7

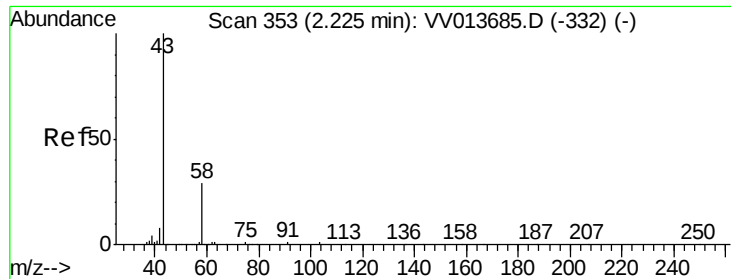


Abundance Ion 96.00 (95.70 to 96.70): VV013701.D (-231) (-)

Ion 61.05 (60.75 to 61.75): VV013701.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV013701.D (-231) (-)





#13

Acetone

Concen: 44.804 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.02 min

Lab File: VV013701.D

Acq: 20 Nov 2019 20:20

Instrument :

MSVOA_V

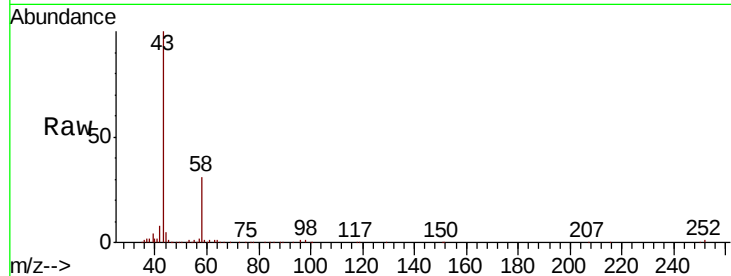
ClientSampleId :

Tot Ion: 43 Resp: 152005

Ion Ratio Lower Upper

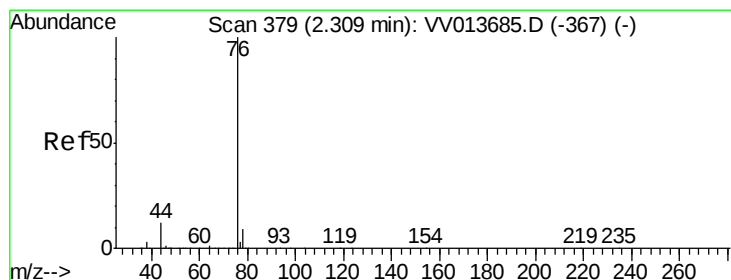
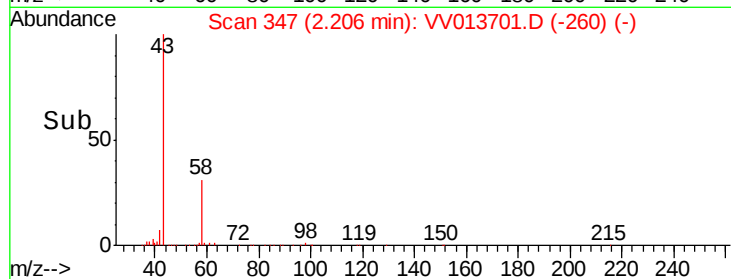
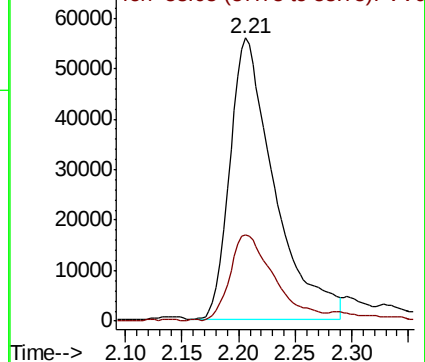
43 100

58 29.7 0.0 17.0#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 4.500 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV013701.D

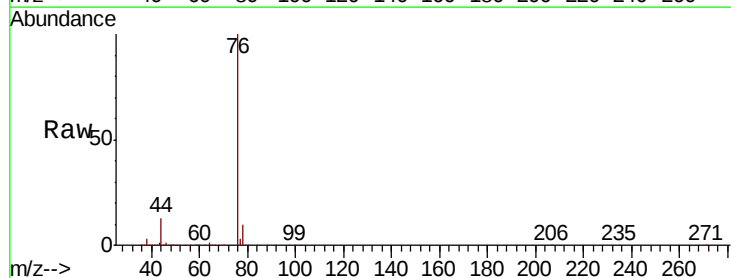
Acq: 20 Nov 2019 20:20

Tgt Ion: 76 Resp: 349099

Ion Ratio Lower Upper

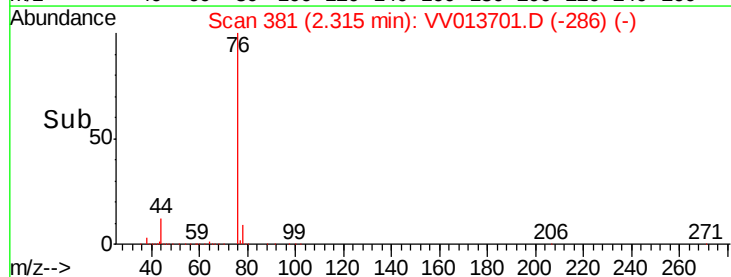
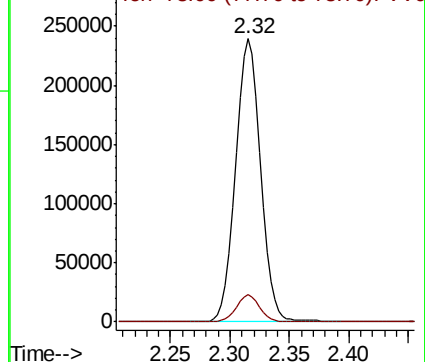
76 100

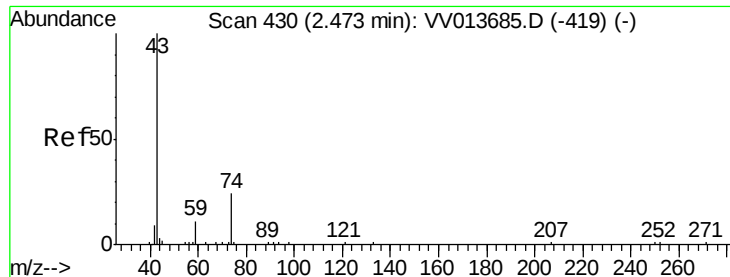
78 9.6 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methvl Acetate

Concen: 4.916 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.01 min

Lab File: VV013701.D

Acq: 20 Nov 2019 20:20

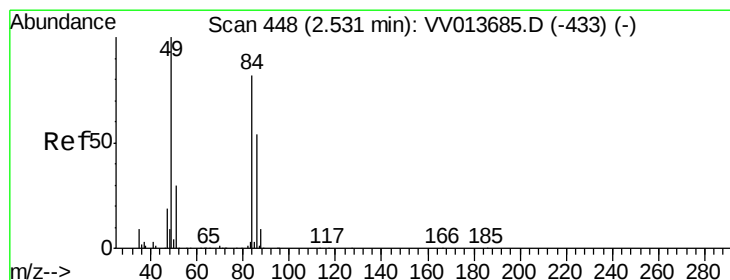
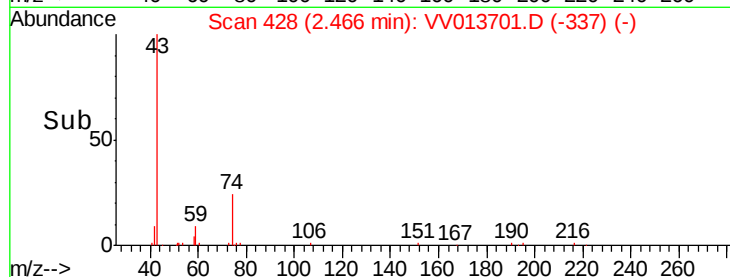
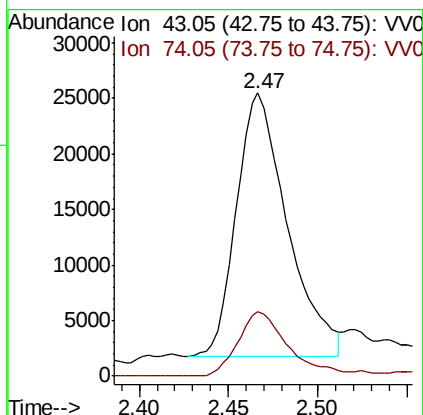
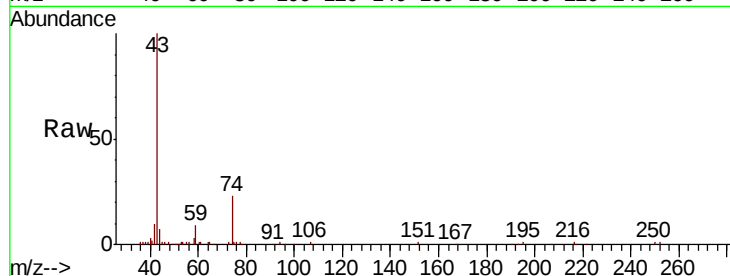
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 47234

Ion Ratio Lower Upper

43 100

74 23.9 18.9 28.3



#16

Methylene chloride

Concen: 4.225 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV013701.D

Acq: 20 Nov 2019 20:20

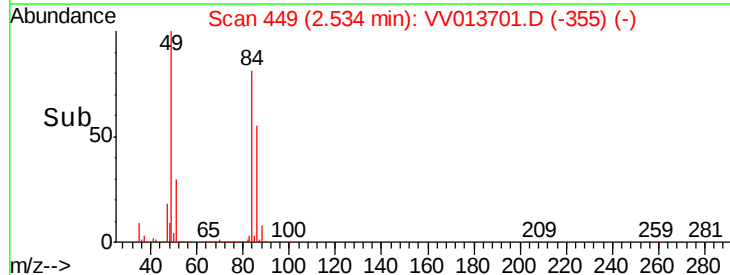
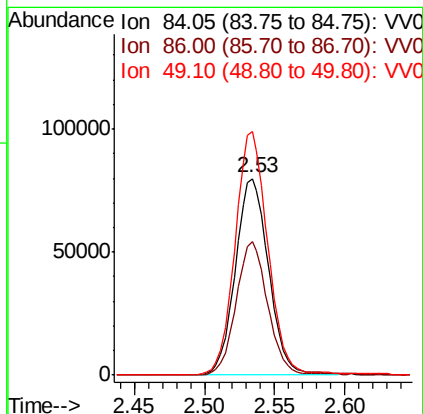
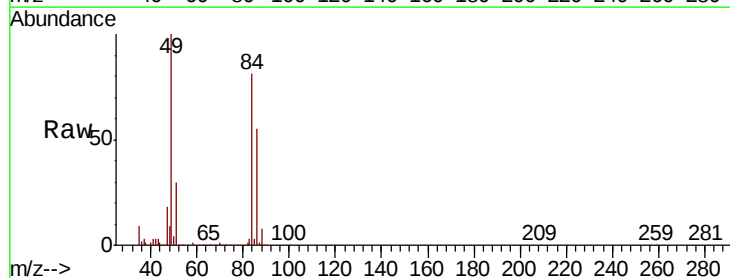
Tgt Ion: 84 Resp: 132043

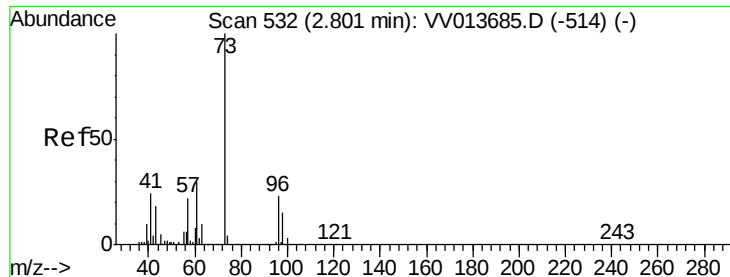
Ion Ratio Lower Upper

84 100

86 67.6 44.1 81.9

49 123.8 83.4 155.0



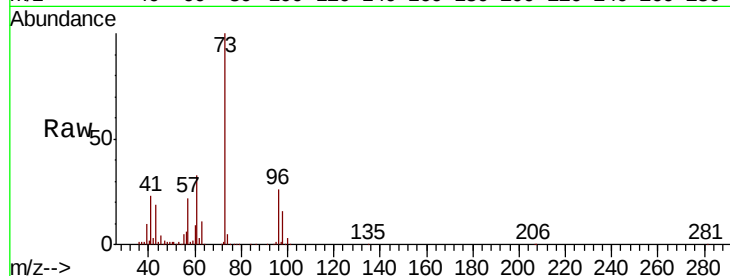


#17

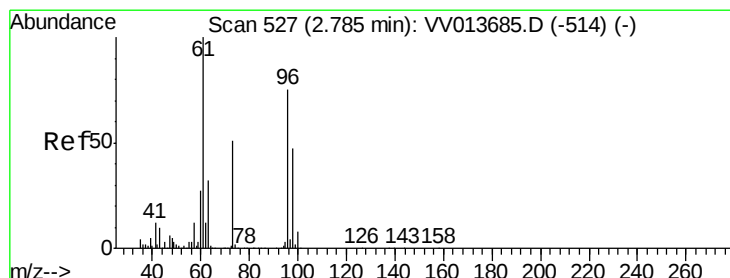
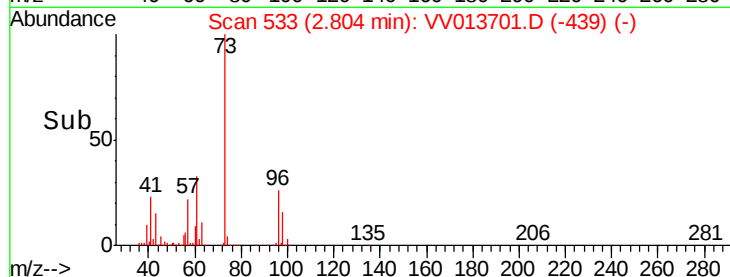
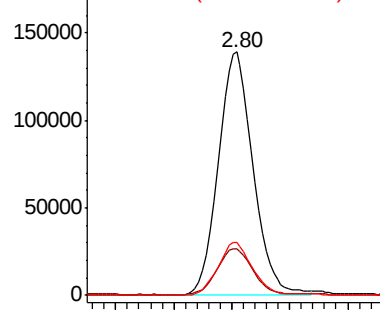
Methvl tert-butvl Ether
 Concen: 5.067 ug/L
 RT: 2.80 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VV013701.D
 Acq: 20 Nov 2019 20:20

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	19.3	15.4	23.0
57	21.8	18.1	27.1



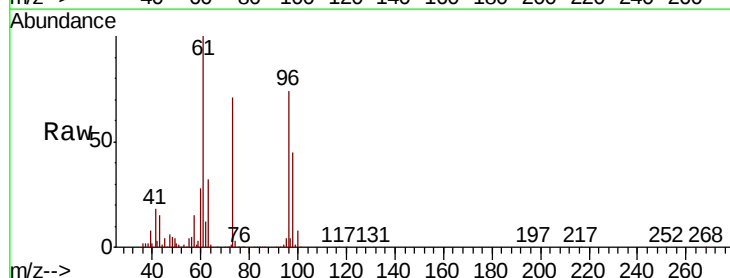
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



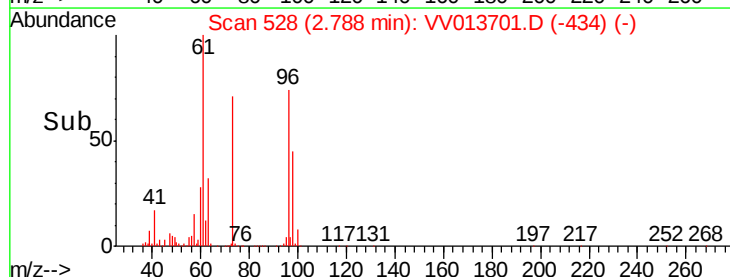
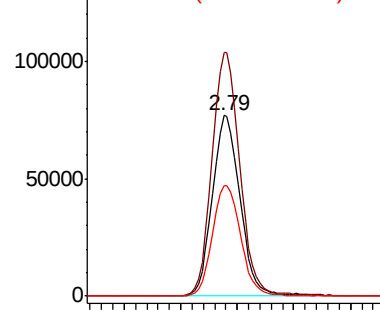
#18

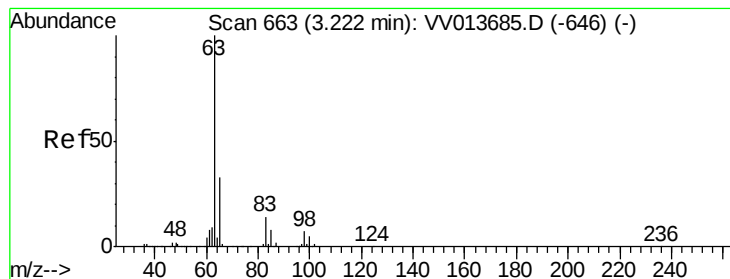
trans-1,2-Dichloroethene
 Concen: 4.752 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VV013701.D
 Acq: 20 Nov 2019 20:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	134.6	101.0	187.6
98	61.1	47.0	87.2



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: 4.780 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.01 min

Lab File: VV013701.D

Acq: 20 Nov 2019 20:20

Instrument :
MSVOA_V
ClientSampled :

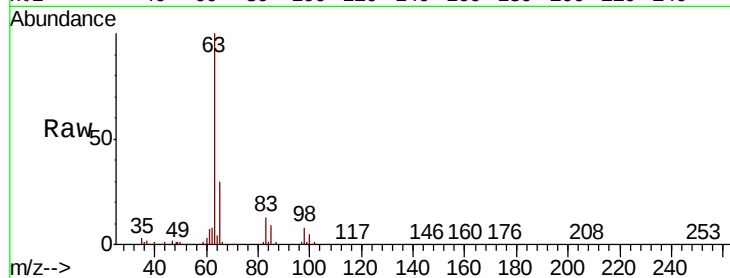
Tot Ion: 63 Resp: 236755

Ion Ratio Lower Upper

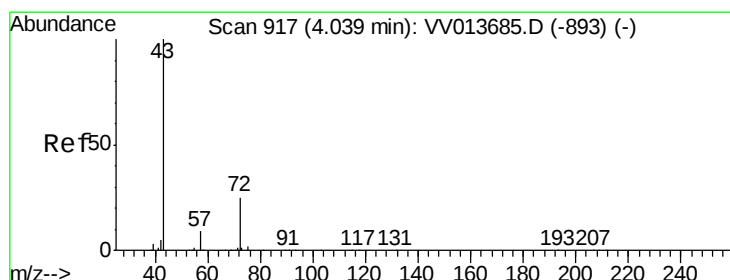
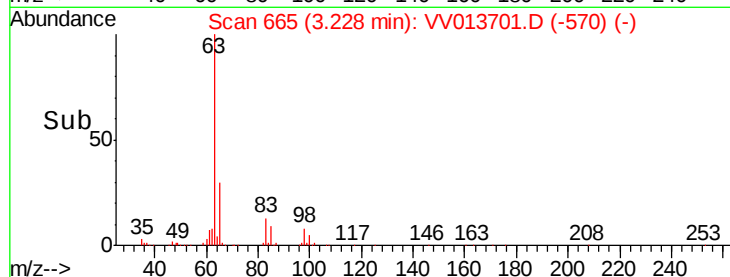
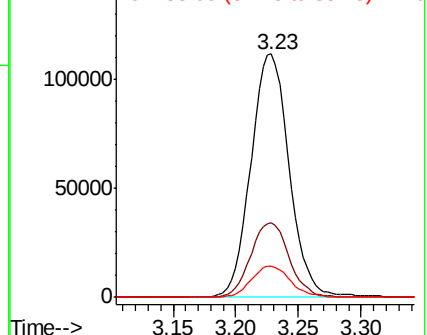
63 100

65 30.4 22.5 41.7

83 12.9 9.7 17.9



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



#21

2-Butanone

Concen: 52.699 ug/L

RT: 4.03 min Scan# 914

Delta R.T. -0.01 min

Lab File: VV013701.D

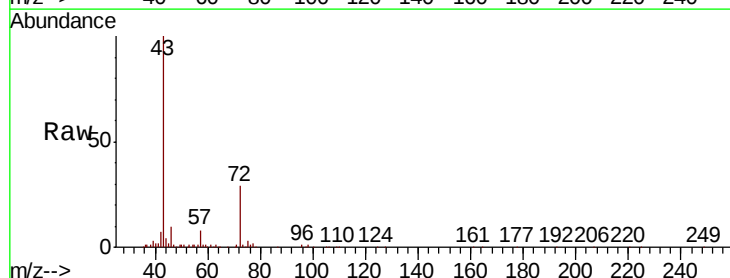
Acq: 20 Nov 2019 20:20

Tgt Ion: 43 Resp: 299823

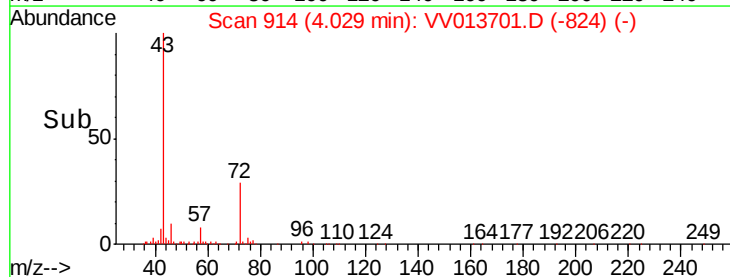
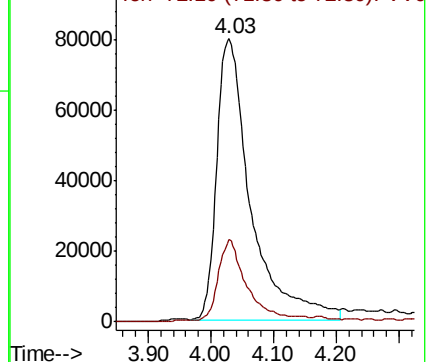
Ion Ratio Lower Upper

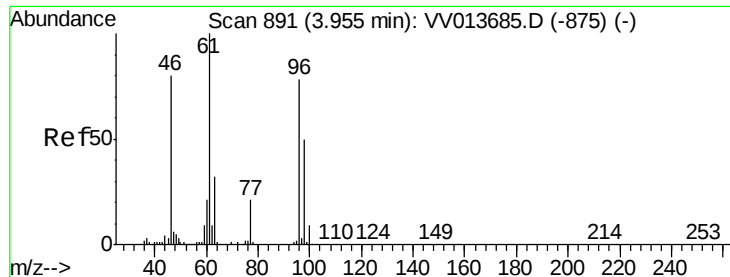
43 100

72 23.4 11.6 34.8



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 72.10 (71.80 to 72.80): VV0



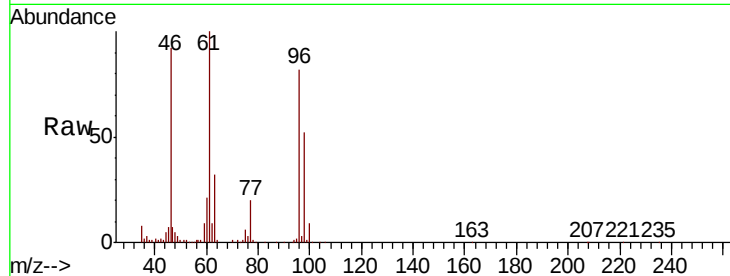


#22

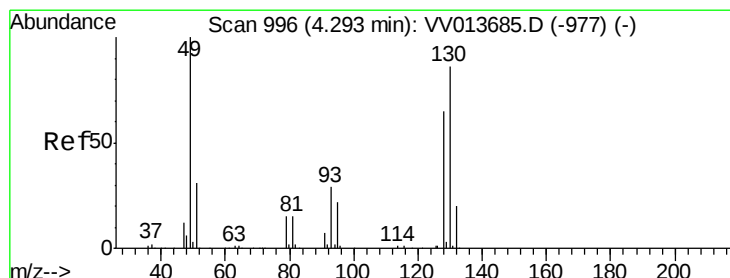
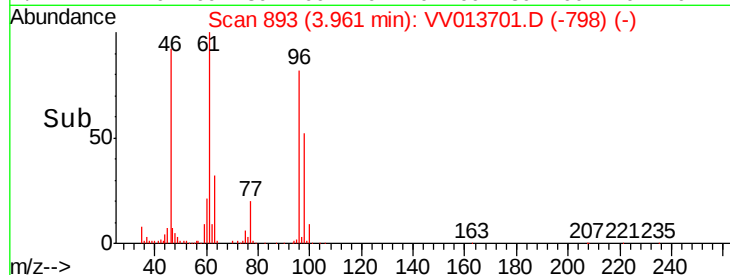
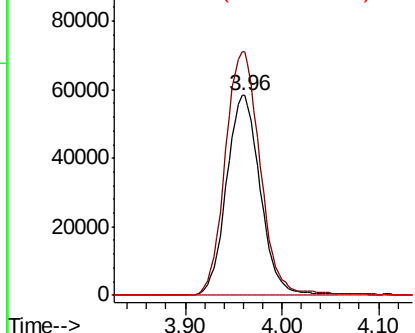
cis-1,2-Dichloroethene
 Concen: 4.908 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: VV013701.D
 Acq: 20 Nov 2019 20:20

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 141268
 Ion Ratio Lower Upper
 96 100
 61 121.7 87.7 162.9
 68 0.0 0.1 0.3#



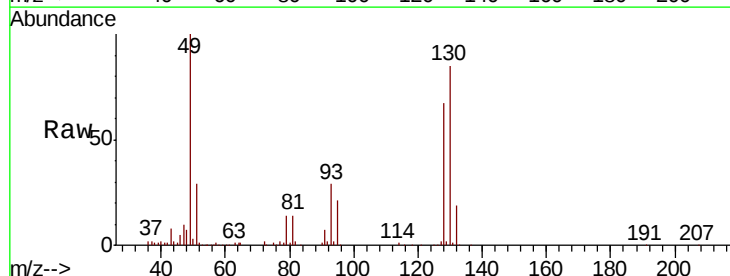
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



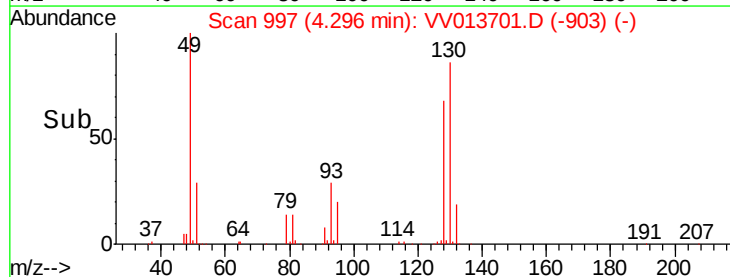
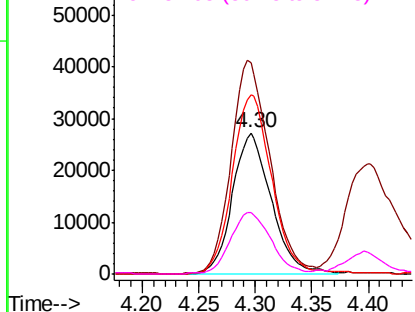
#23

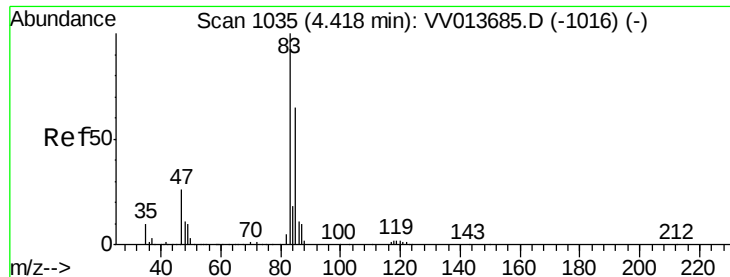
Bromochloromethane
 Concen: 4.909 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV013701.D
 Acq: 20 Nov 2019 20:20

Tgt Ion: 128 Resp: 65140
 Ion Ratio Lower Upper
 128 100
 49 149.6 107.2 199.0
 130 127.5 87.9 163.3
 51 43.5 39.4 59.0



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

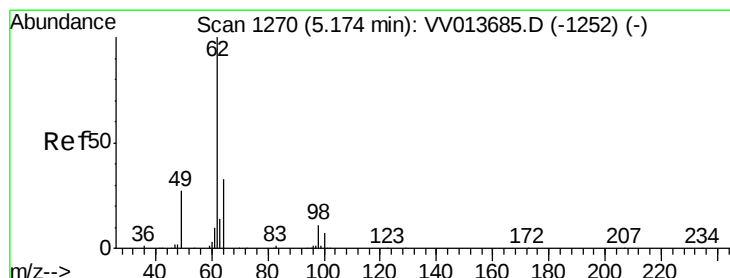
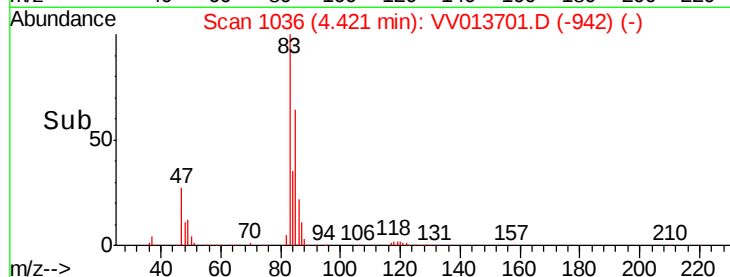
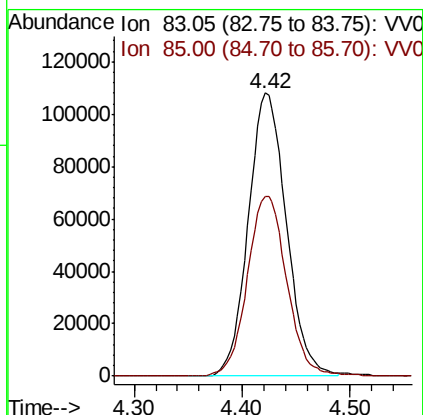
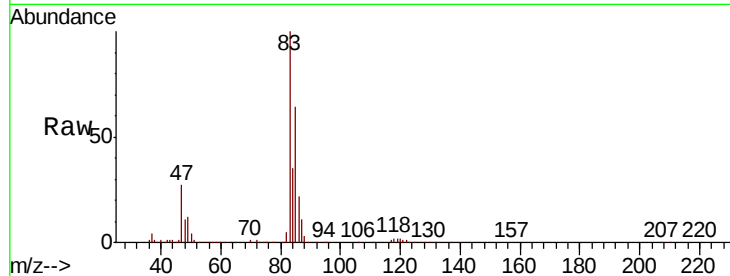




#25
Chloroform
Concen: 3.942 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV013701.D
Acq: 20 Nov 2019 20:20

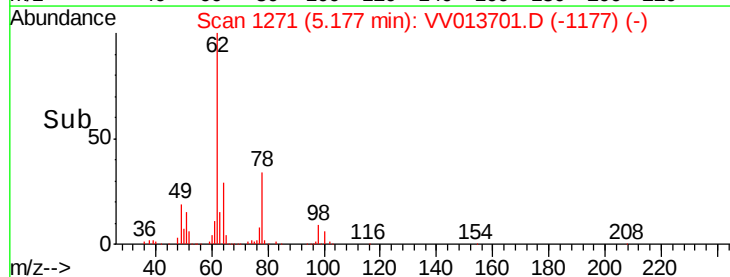
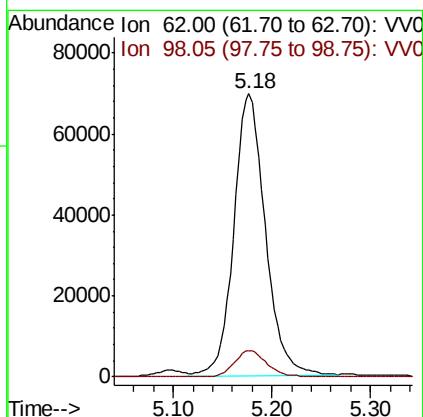
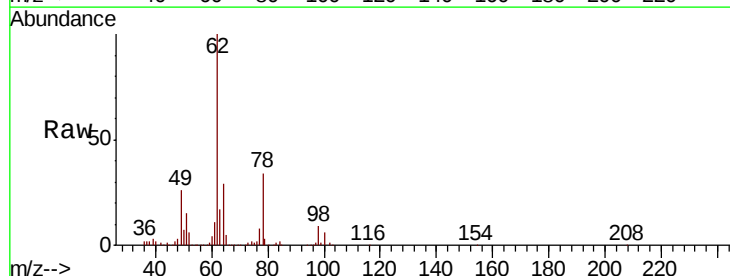
Instrument :
MSVOA_V
ClientSampleId :

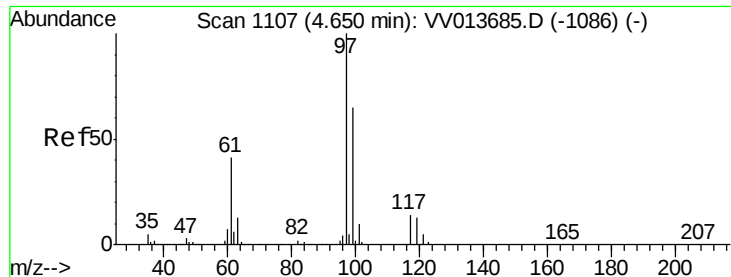
Tot Ion: 83 Resp: 264400
Ion Ratio Lower Upper
83 100
85 63.5 44.4 82.5



#27
1,2-Dichloroethane
Concen: 5.172 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV013701.D
Acq: 20 Nov 2019 20:20

Tgt Ion: 62 Resp: 154110
Ion Ratio Lower Upper
62 100
98 9.2 8.2 12.2

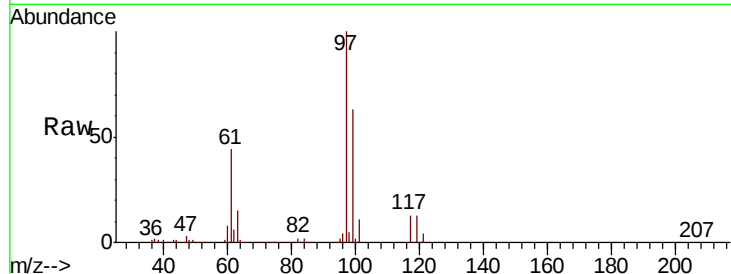




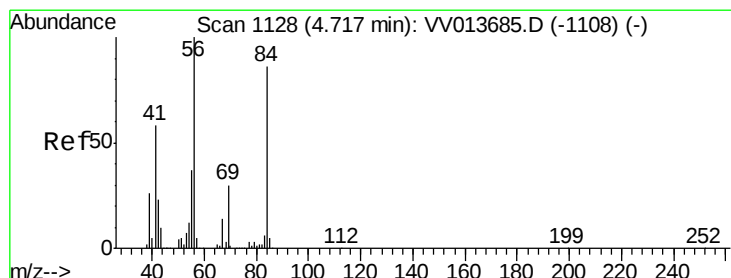
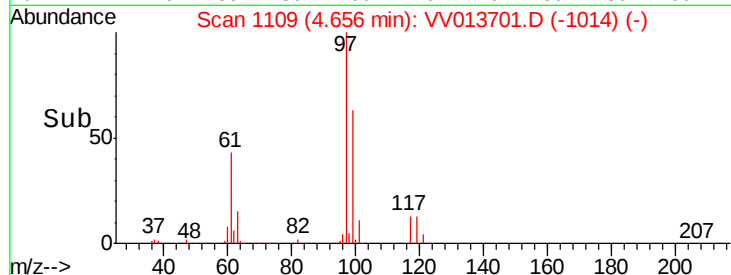
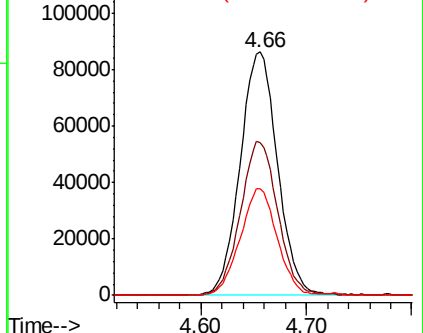
#29
 1,1,1-Trichloroethane
 Concen: 4.921 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.01 min
 Lab File: VV013701.D
 Acq: 20 Nov 2019 20:20

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	97	Resp	212610
Ion Ratio	Lower	Upper	
97	100		
99	63.3	52.6	79.0
61	43.4	34.7	52.1

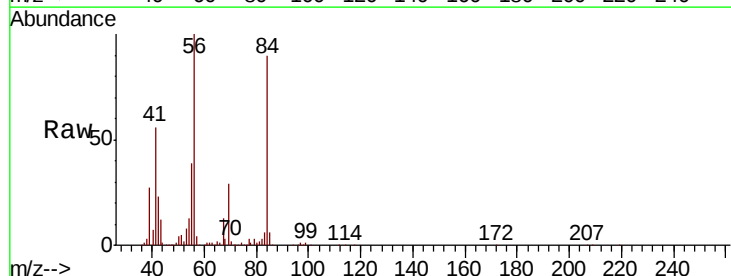


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

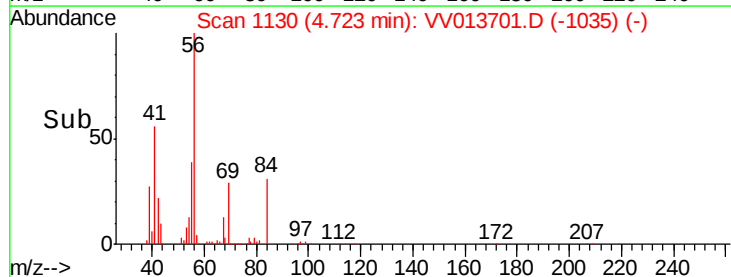
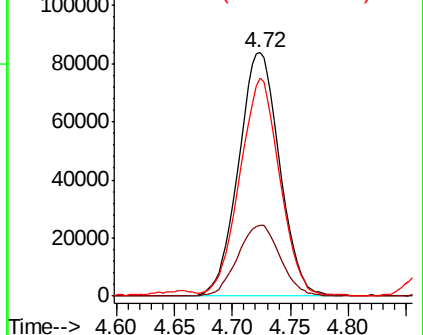


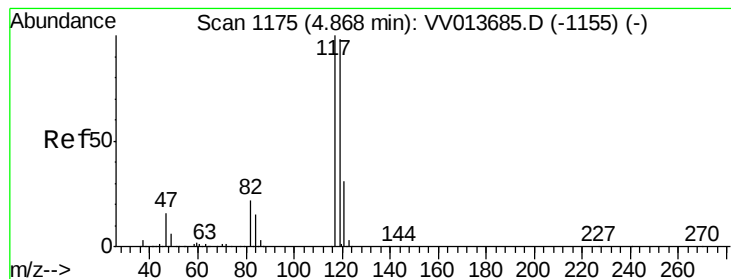
#30
 Cyclohexane
 Concen: 4.770 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.01 min
 Lab File: VV013701.D
 Acq: 20 Nov 2019 20:20

Tgt Ion	56	Resp	204992
Ion Ratio	Lower	Upper	
56	100		
69	30.4	23.8	35.8
84	88.2	69.1	103.7



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: 4.905 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VV013701.D

Acq: 20 Nov 2019 20:20

Instrument :

MSVOA_V

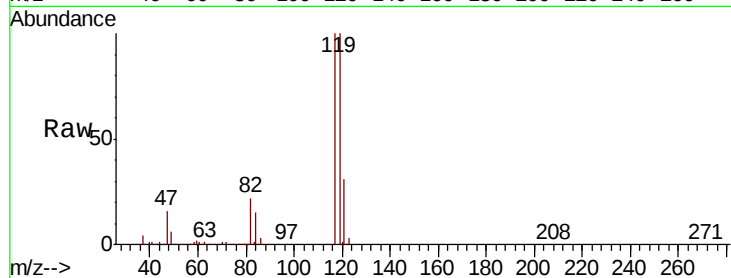
ClientSampleId :

Tot Ion:117 Resp: 191444

Ion Ratio Lower Upper

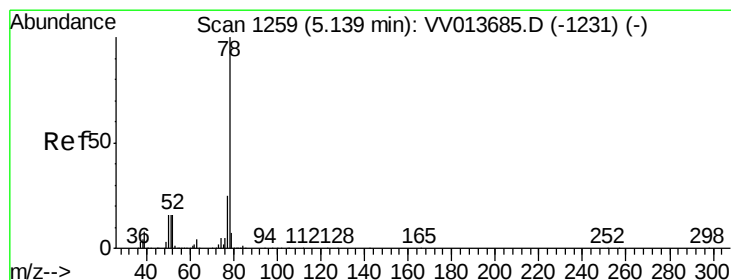
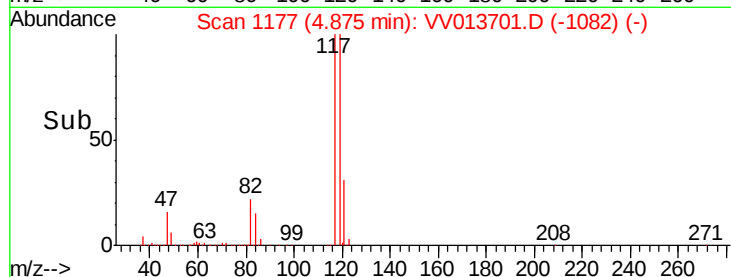
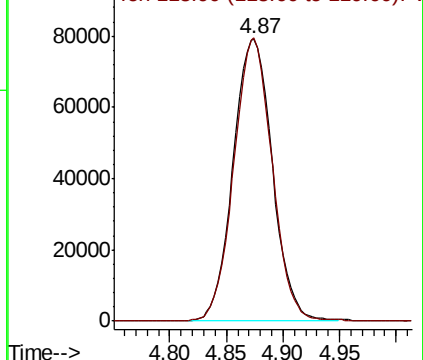
117 100

119 97.8 74.8 112.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.957 ug/L

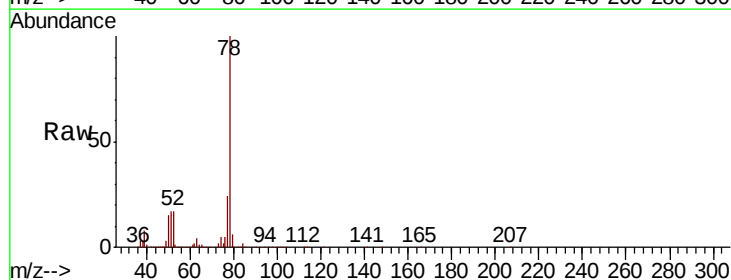
RT: 5.14 min Scan# 1261

Delta R.T. 0.01 min

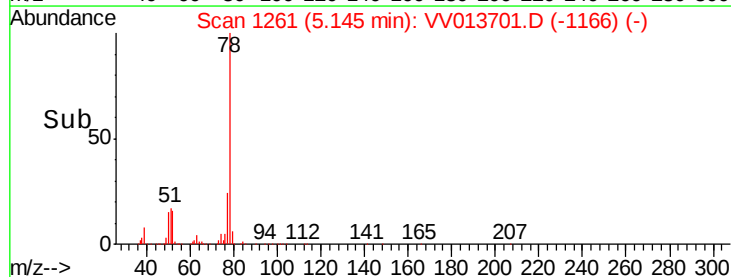
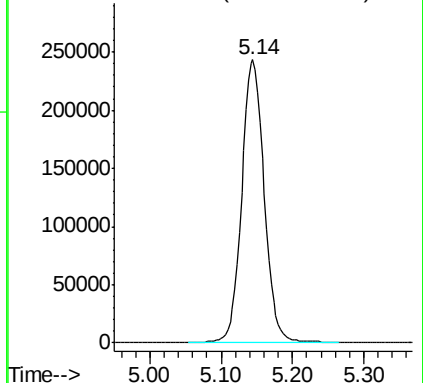
Lab File: VV013701.D

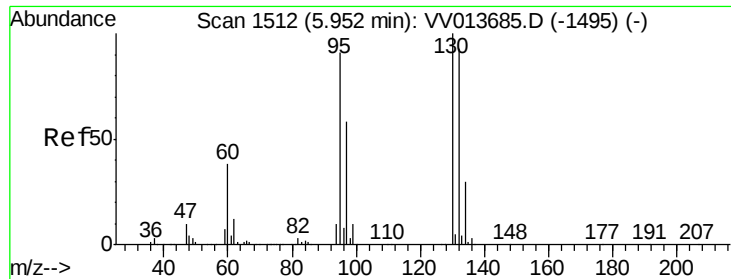
Acq: 20 Nov 2019 20:20

Tgt Ion: 78 Resp: 536297



Abundance Ion 78.10 (77.80 to 78.80): VV0

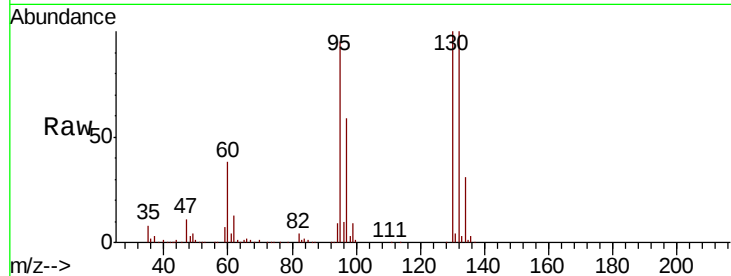




#34
 Trichloroethene
 Concen: 4.986 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.01 min
 Lab File: VV013701.D
 Acq: 20 Nov 2019 20:20

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	95	Resp	144366
Ion	Ratio	Lower	Upper
95	100		
97	62.6	44.8	83.2
132	105.3	72.9	135.3
130	105.4	75.1	139.5



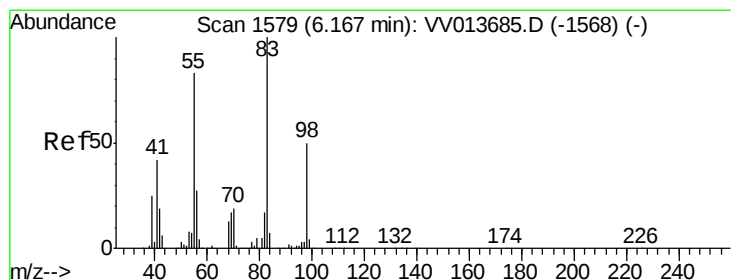
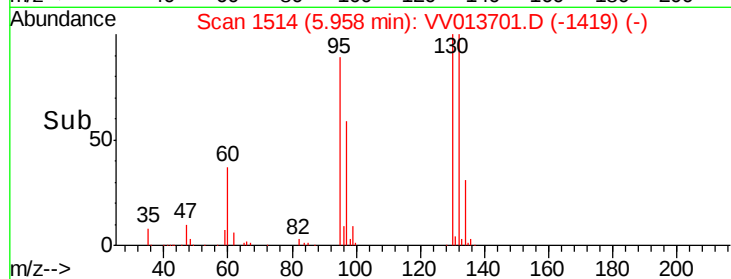
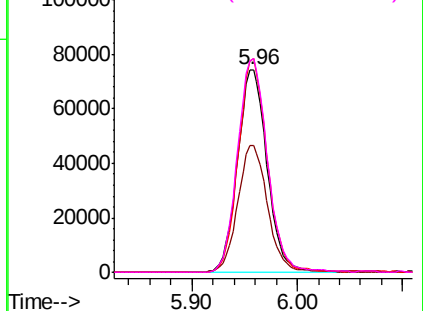
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

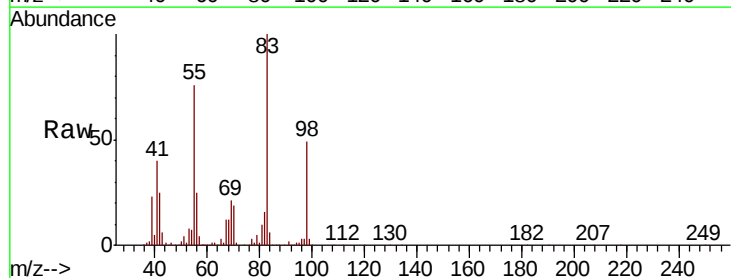
Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35
 Methylcyclohexane
 Concen: 4.806 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.01 min
 Lab File: VV013701.D
 Acq: 20 Nov 2019 20:20

Tgt Ion	83	Resp	212287
Ion	Ratio	Lower	Upper
83	100		
55	78.2	64.1	96.1
98	49.3	38.2	57.2

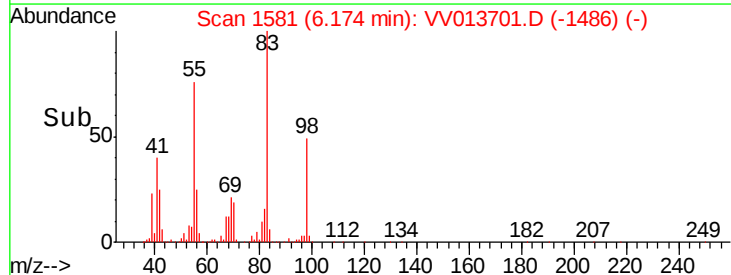
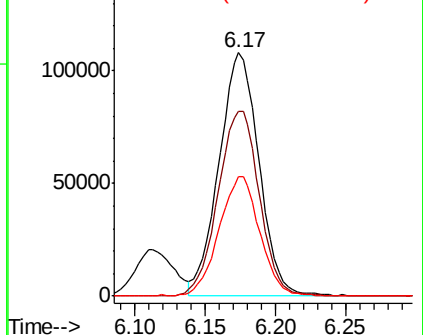


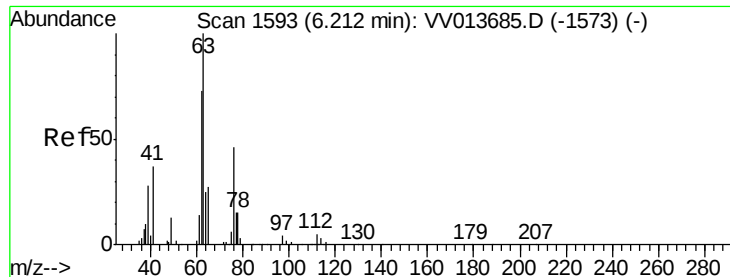
Abundance

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: 5.126 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.01 min

Lab File: VV013701.D

Acq: 20 Nov 2019 20:20

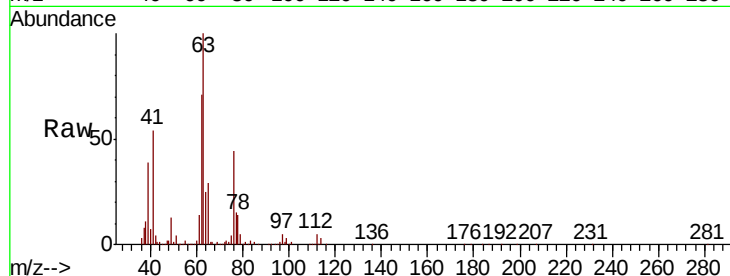
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 132798

Ion Ratio Lower Upper

63 100

112 5.0 4.1 6.1



Abundance Ion 63.10 (62.80 to 63.80): VV013685.D (-1573) (-)

Ion 112.10 (111.80 to 112.80): VV013685.D (-1573) (-)

6.22

60000

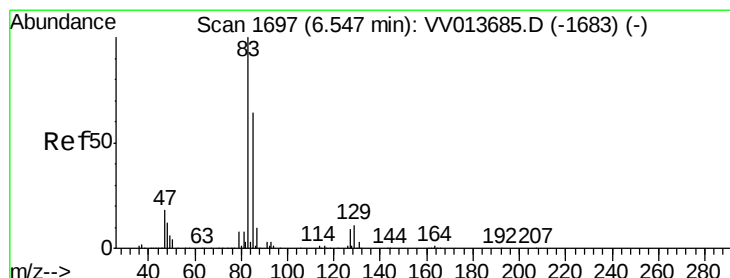
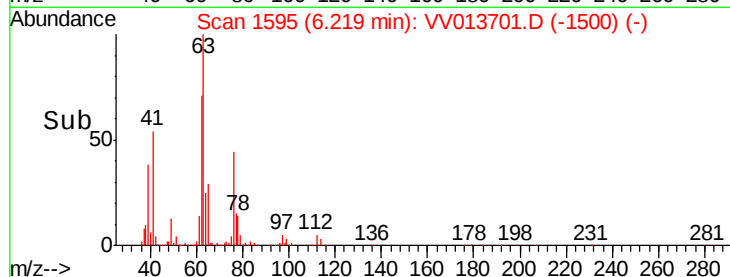
40000

20000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 4.834 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VV013701.D

Acq: 20 Nov 2019 20:20

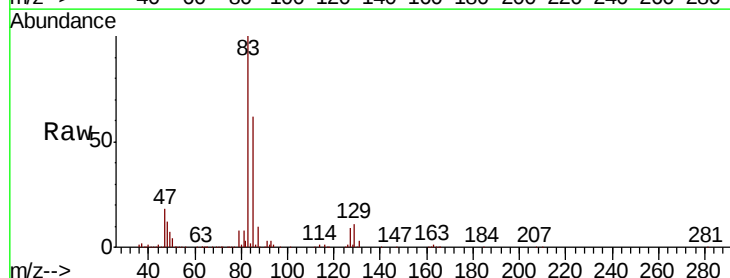
Tgt Ion: 83 Resp: 174649

Ion Ratio Lower Upper

83 100

85 62.2 44.9 83.5

127 8.8 7.0 10.6



Abundance Ion 82.95 (82.65 to 83.65): VV013685.D (-1683) (-)

Ion 85.00 (84.70 to 85.70): VV013685.D (-1683) (-)

Ion 126.90 (126.60 to 127.60): VV013685.D (-1683) (-)

6.55

120000

100000

80000

60000

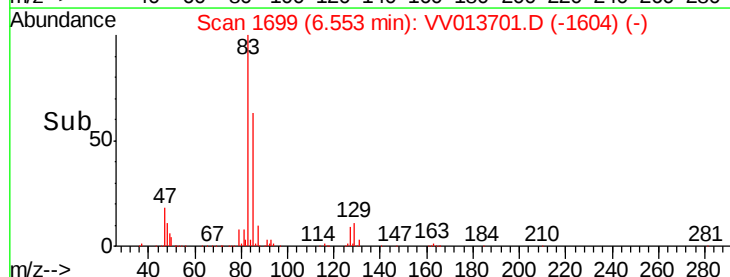
40000

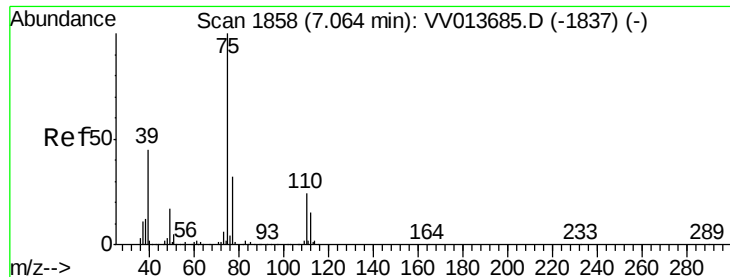
20000

0

6.45 6.50 6.55 6.60 6.65

Time-->



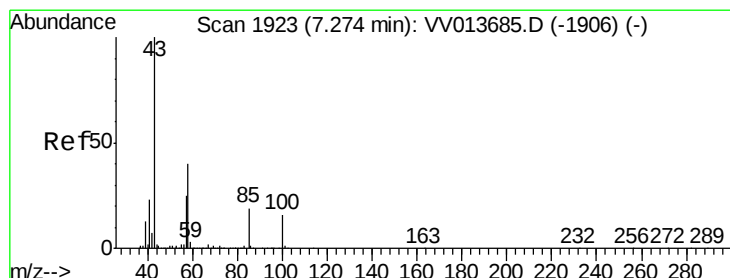
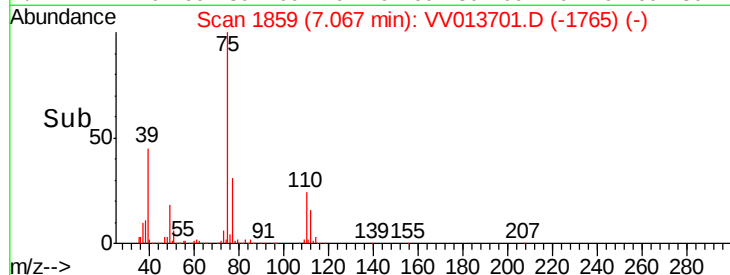
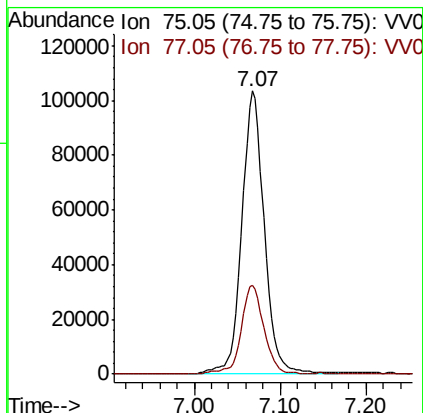
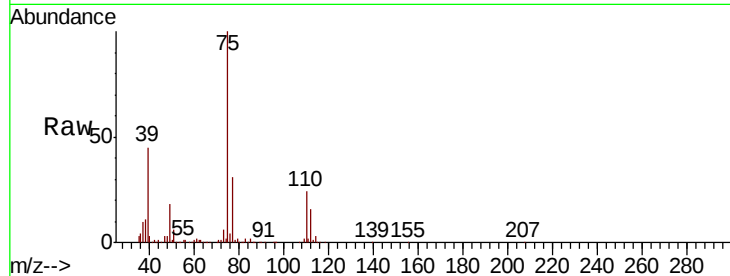


#39

cis-1,3-Dichloropropene
 Concen: 5.069 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV013701.D
 Acq: 20 Nov 2019 20:20

Instrument :
 MSVOA_V
 ClientSampleId :

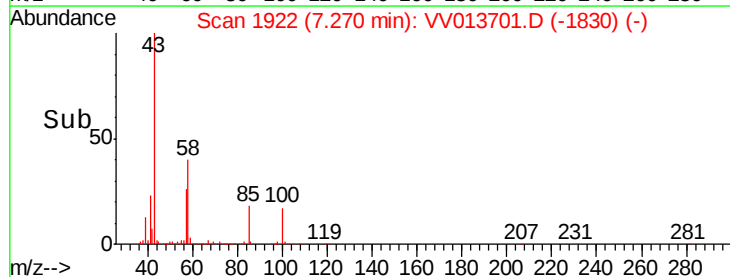
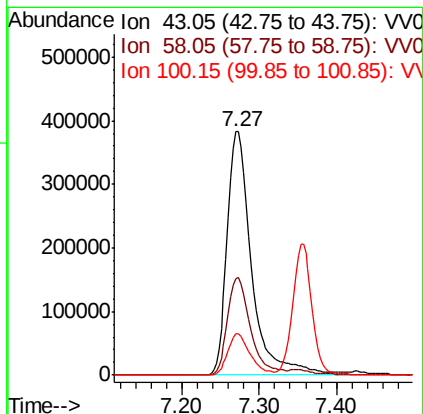
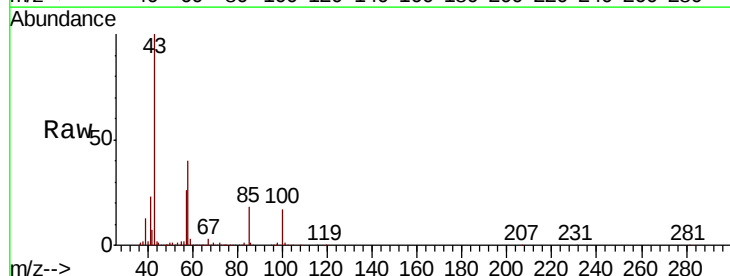
Tot Ion: 75 Resp: 188742
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.0 40.8

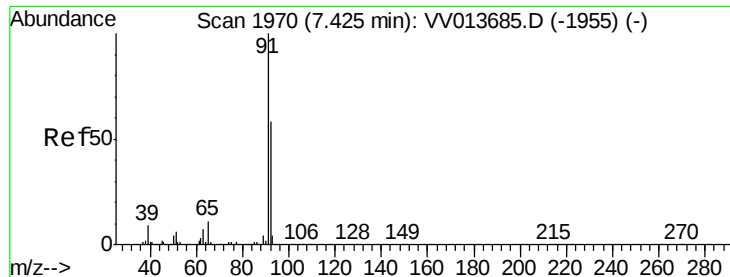


#40

4-Methyl-2-pentanone
 Concen: 55.660 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VV013701.D
 Acq: 20 Nov 2019 20:20

Tgt Ion: 43 Resp: 838832
 Ion Ratio Lower Upper
 43 100
 58 37.9 31.5 47.3
 100 15.5 12.2 18.4





#42

Toluene

Concen: 5.109 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013701.D

Acq: 20 Nov 2019 20:20

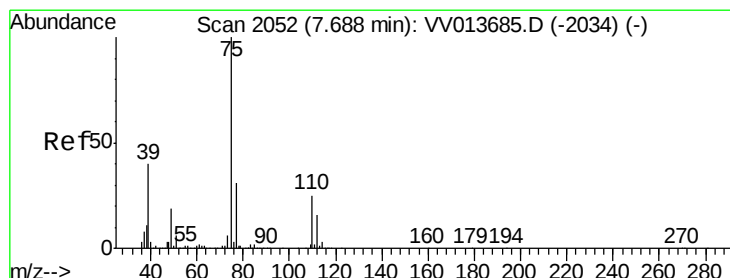
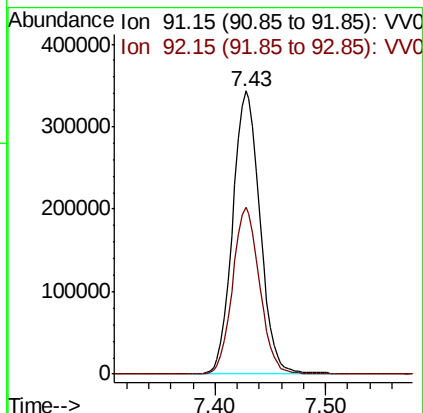
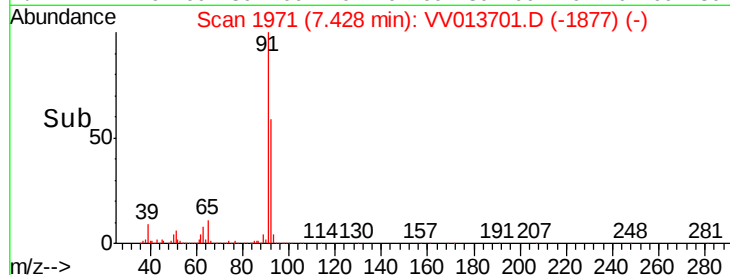
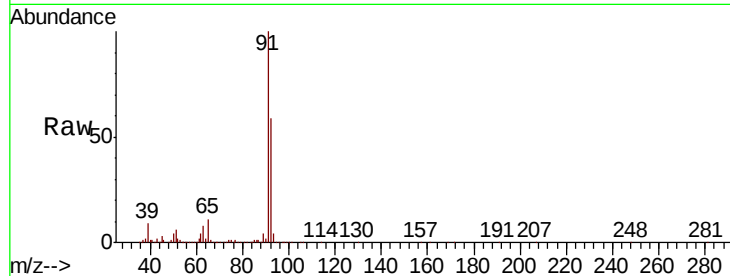
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 590527

Ion Ratio Lower Upper

91 100

92 58.9 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 5.039 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013701.D

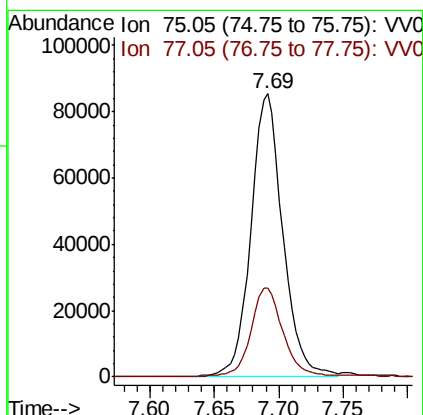
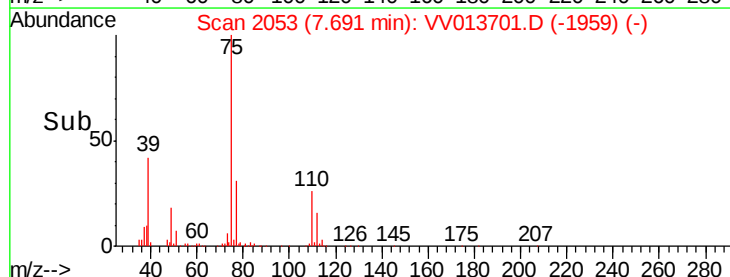
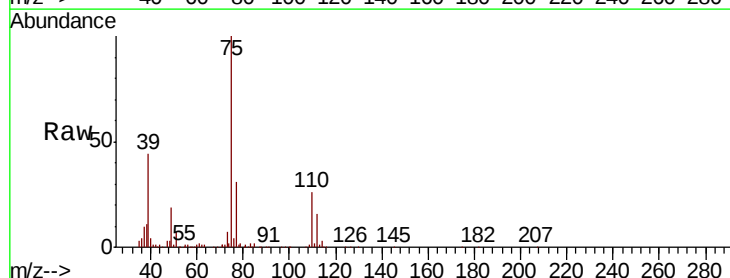
Acq: 20 Nov 2019 20:20

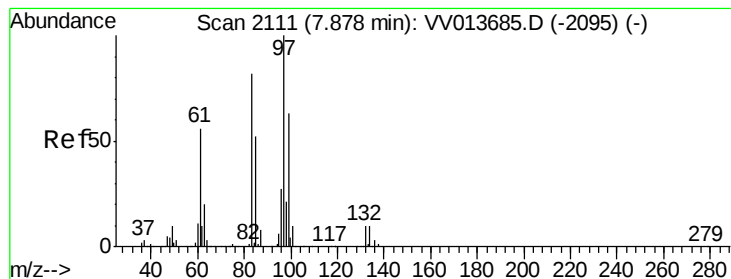
Tgt Ion: 75 Resp: 147872

Ion Ratio Lower Upper

75 100

77 31.3 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 5.124 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV013701.D

Acq: 20 Nov 2019 20:20

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 95719

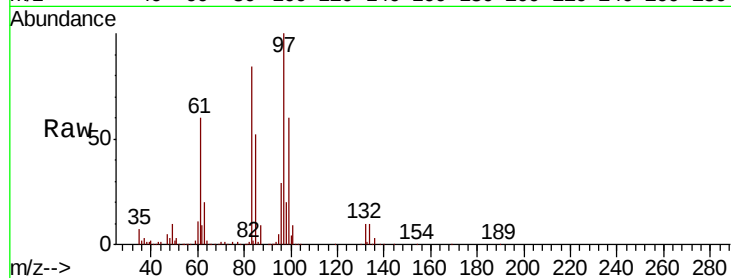
Ion Ratio Lower Upper

97 100

99 60.1 43.8 81.3

83 83.7 58.0 107.8

85 51.7 36.0 67.0



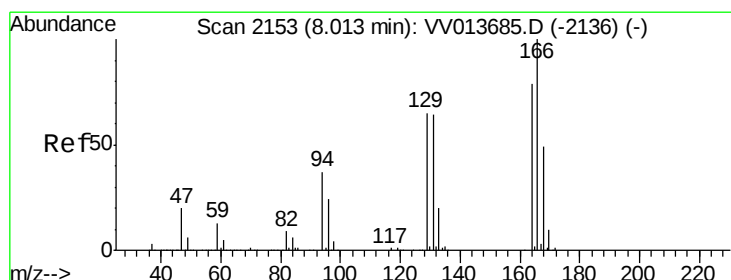
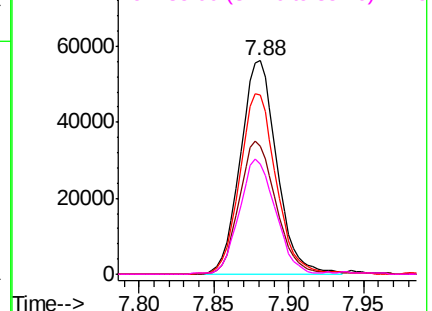
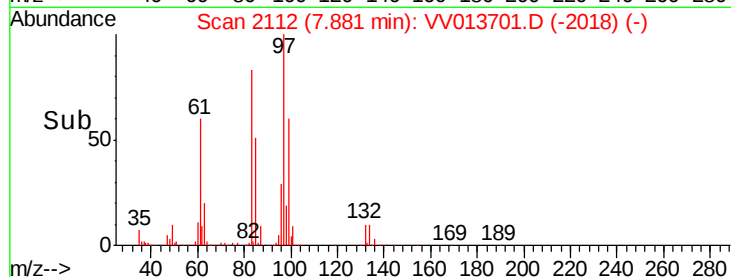
Abundance

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: 4.715 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013701.D

Acq: 20 Nov 2019 20:20

Tgt Ion: 164 Resp: 126497

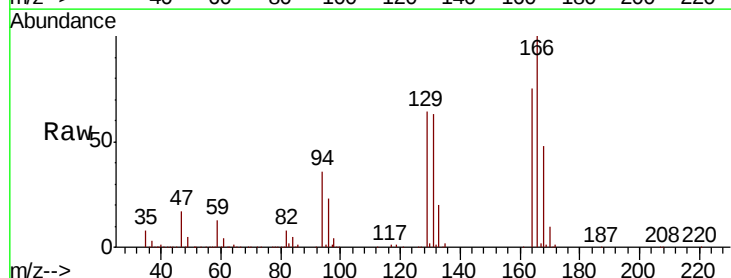
Ion Ratio Lower Upper

164 100

129 85.7 59.1 109.9

131 83.9 58.9 109.5

166 134.0 87.8 163.2



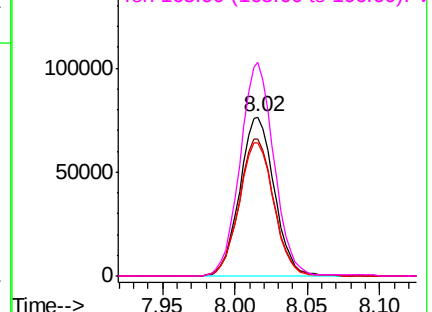
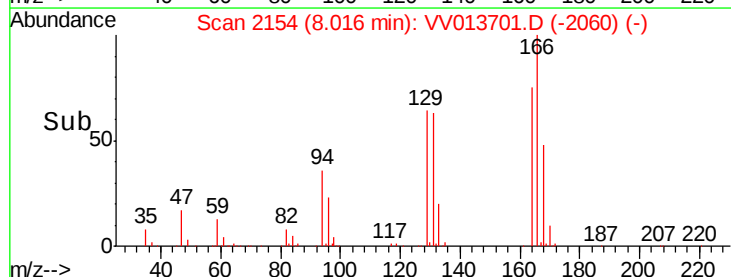
Abundance

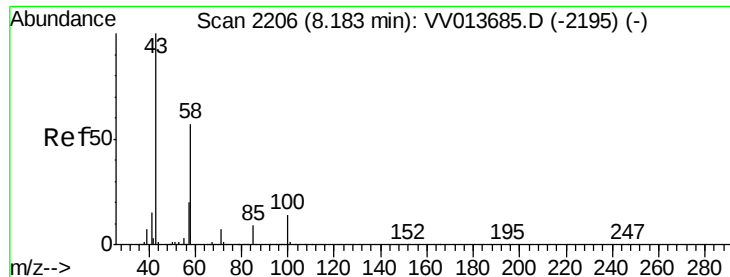
Ion 163.90 (163.60 to 164.60): V

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

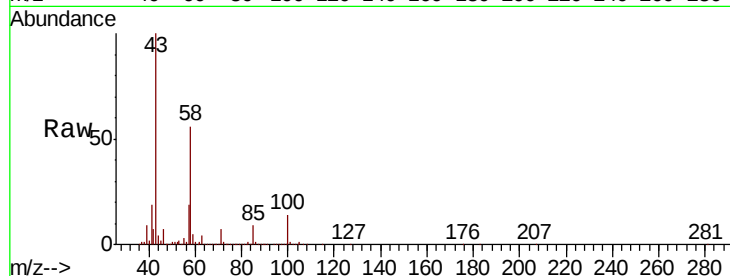




#48
2-Hexanone
Concen: 56.095 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV013701.D
Acq: 20 Nov 2019 20:20

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.0	43.0	64.6
57	18.9	15.4	23.2
100	13.1	10.1	15.1

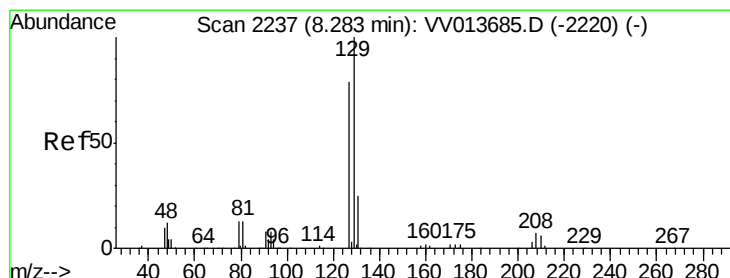
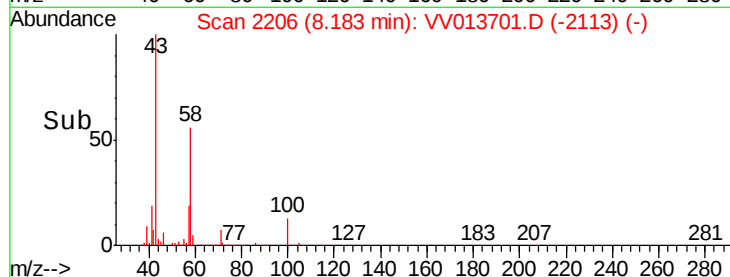
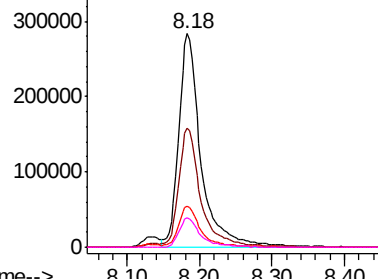


Abundance Ion 43.05 (42.75 to 43.75): VV013685.D (-2195) (-)

Ion 58.05 (57.75 to 58.75): VV013685.D (-2195) (-)

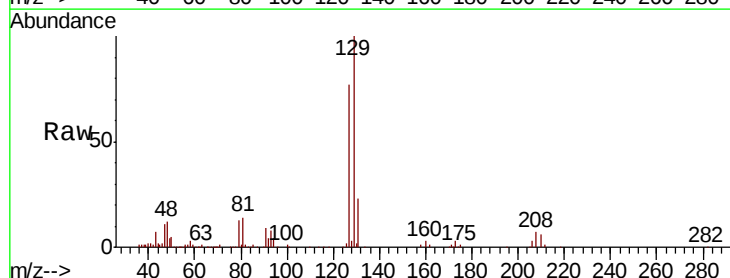
Ion 57.20 (56.90 to 57.90): VV013685.D (-2195) (-)

Ion 100.15 (99.85 to 100.85): VV013685.D (-2195) (-)



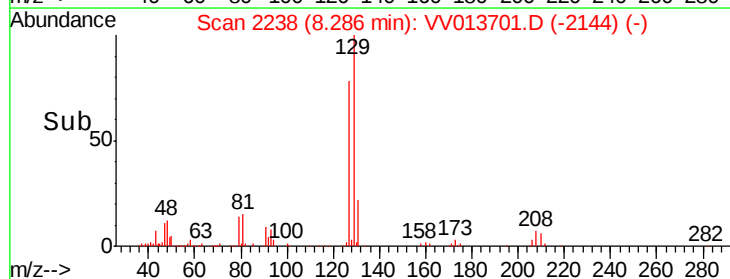
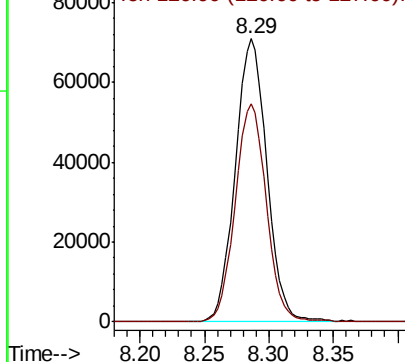
#49
Dibromochloromethane
Concen: 5.096 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013701.D
Acq: 20 Nov 2019 20:20

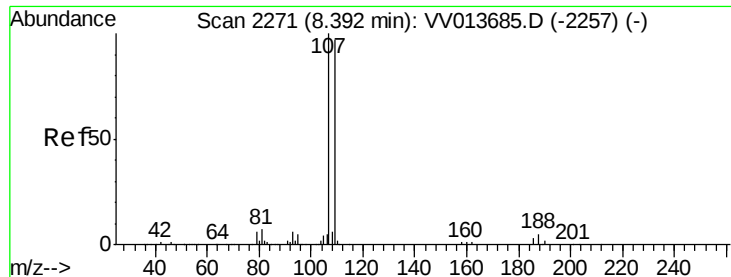
Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	54.5	101.3



Abundance Ion 128.95 (128.65 to 129.65): VV013685.D (-2220) (-)

Ion 126.90 (126.60 to 127.60): VV013685.D (-2220) (-)

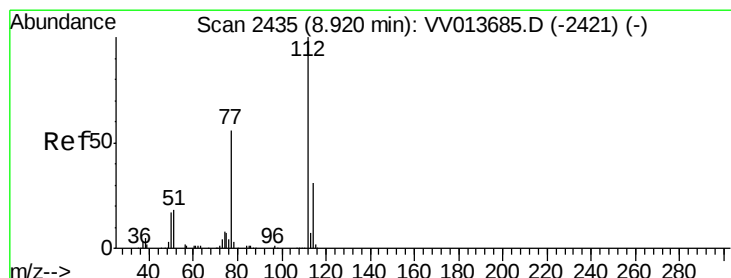
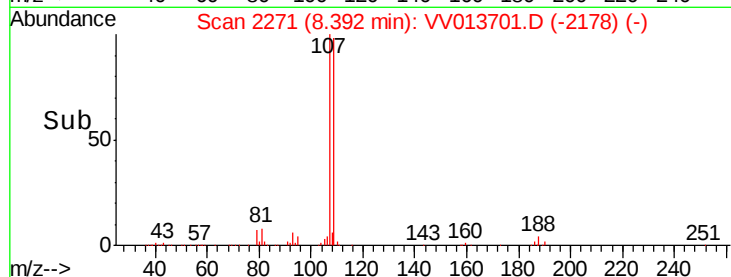
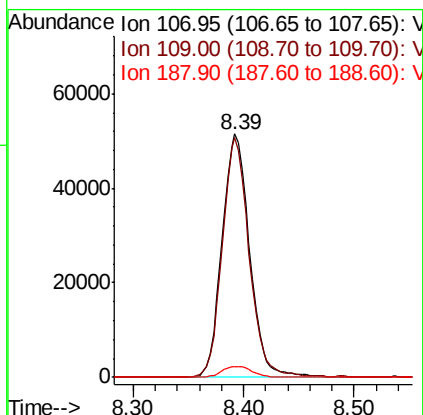
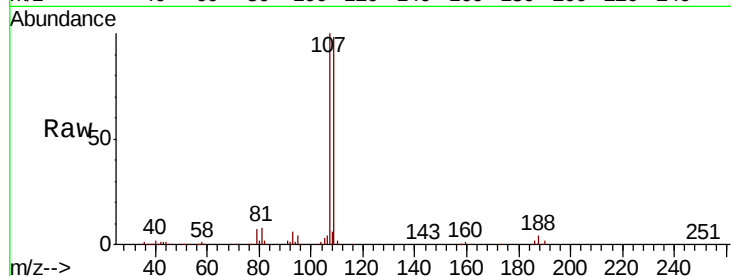




#50
1,2-Dibromoethane
Concen: 4.990 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV013701.D
Acq: 20 Nov 2019 20:20

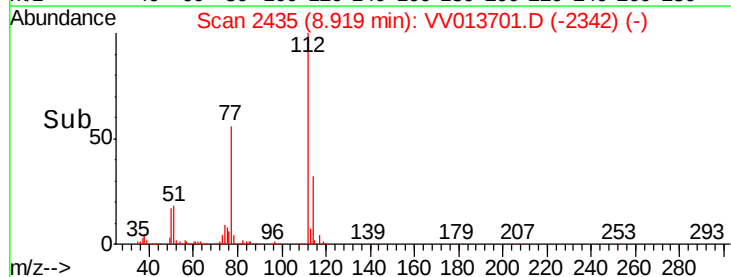
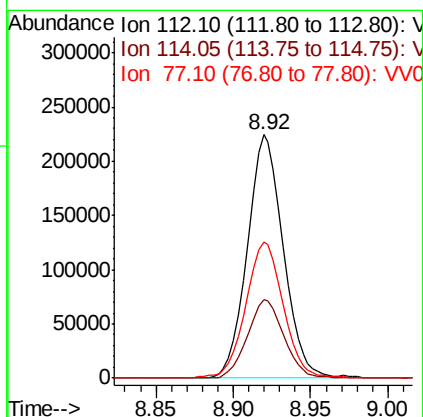
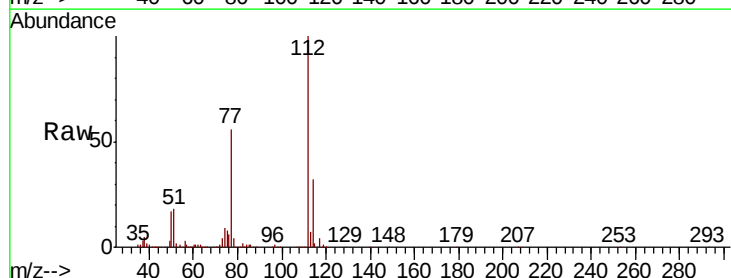
Instrument :
MSVOA_V
ClientSampleId :

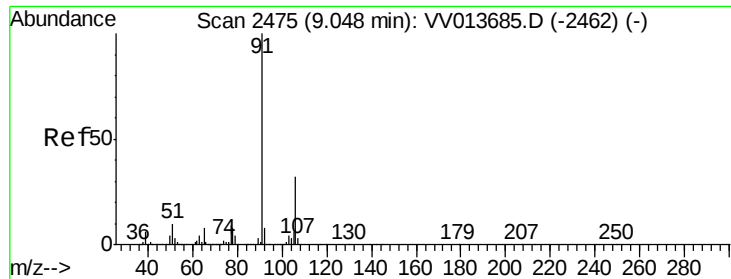
Tot Ion	Ratio	Lower	Upper
107	100		
109	98.5	66.5	123.5
188	4.4	3.6	5.4



#51
Chlorobenzene
Concen: 4.725 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV013701.D
Acq: 20 Nov 2019 20:20

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.8	42.4
77	56.1	45.0	67.4

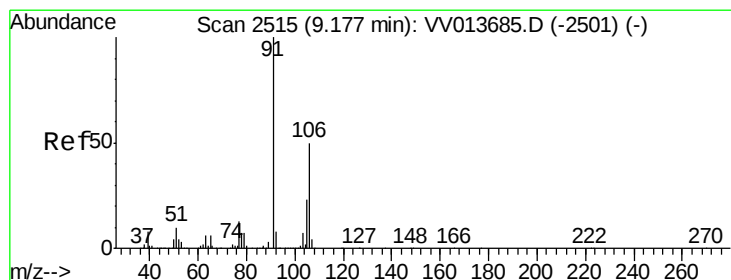
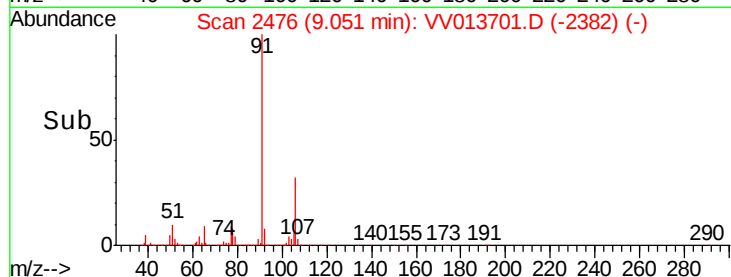
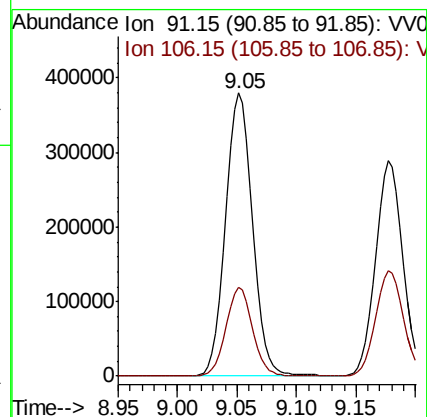
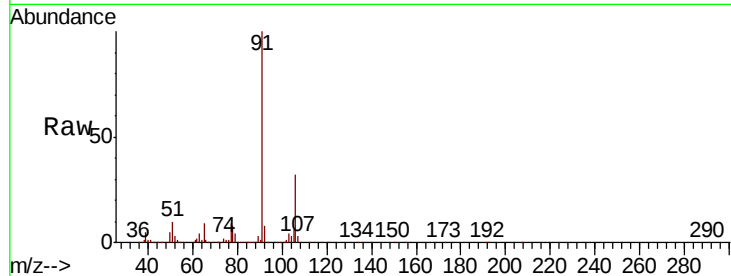




#52
Ethylbenzene
Concen: 4.858 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: VV013701.D
Acq: 20 Nov 2019 20:20

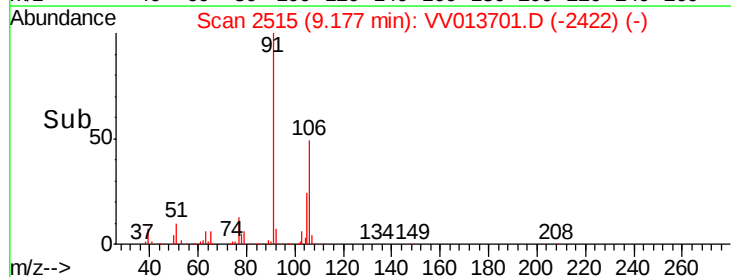
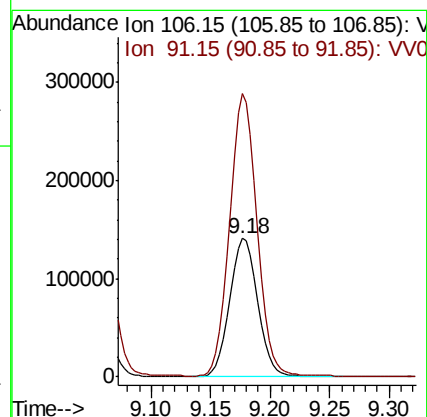
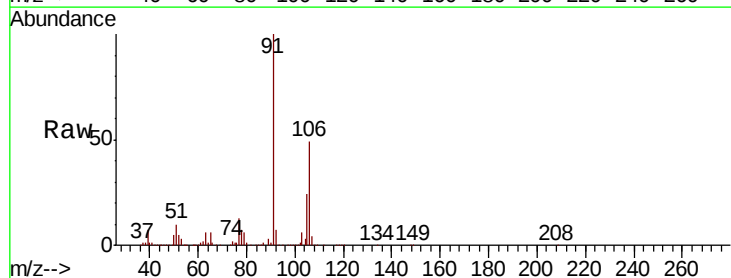
Instrument :
MSVOA_V
ClientSampled :

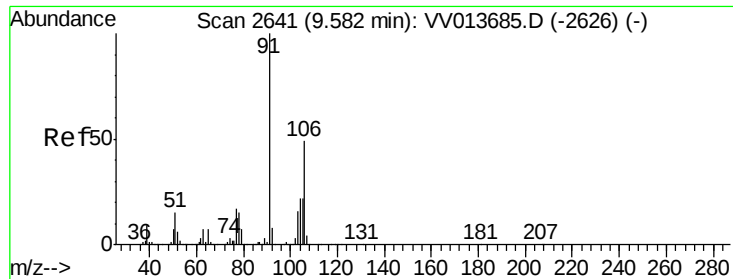
Tot Ion: 91 Resp: 598521
Ion Ratio Lower Upper
91 100
106 31.5 21.7 40.3



#53
m,p-xylene
Concen: 4.948 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. -0.00 min
Lab File: VV013701.D
Acq: 20 Nov 2019 20:20

Tgt Ion: 106 Resp: 229920
Ion Ratio Lower Upper
106 100
91 204.9 138.1 256.5





#54

o-xylene

Concen: 4.984 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV013701.D

Acq: 20 Nov 2019 20:20

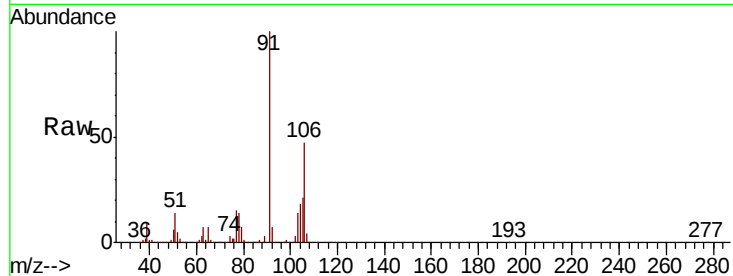
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 222743

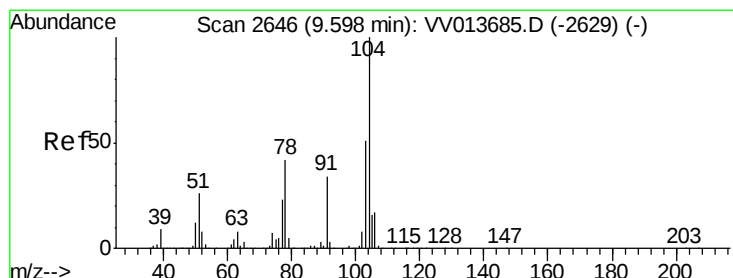
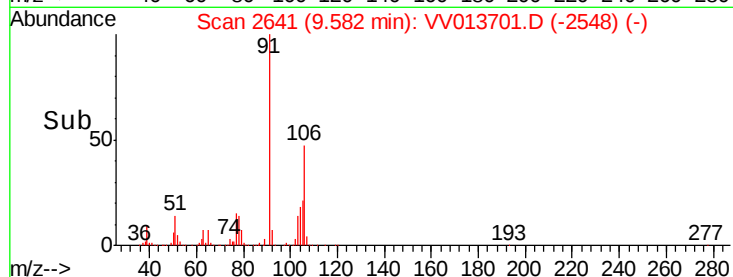
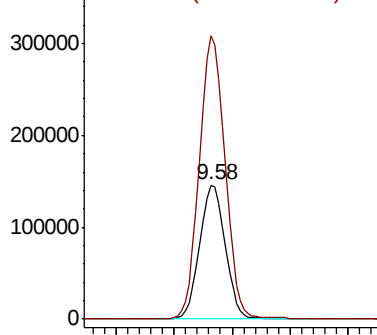
Ion Ratio Lower Upper

106 100

91 211.7 146.9 272.7



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



#55

Styrene

Concen: 5.201 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013701.D

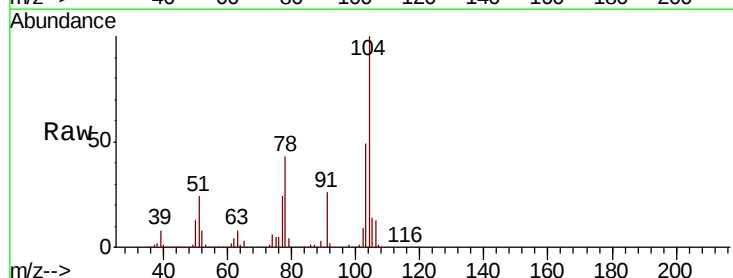
Acq: 20 Nov 2019 20:20

Tgt Ion:104 Resp: 393108

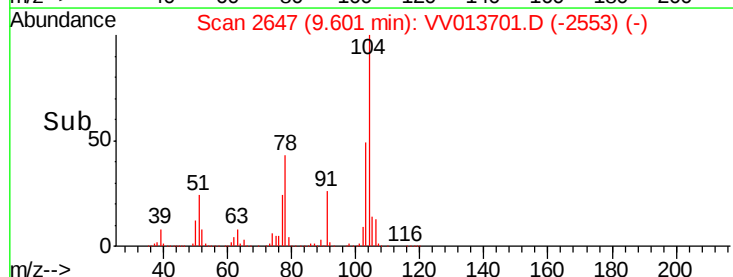
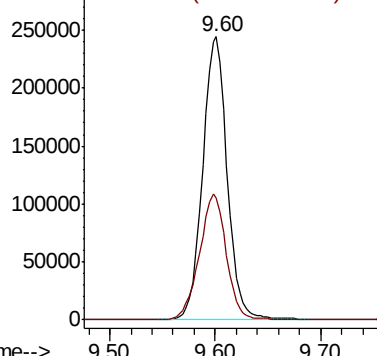
Ion Ratio Lower Upper

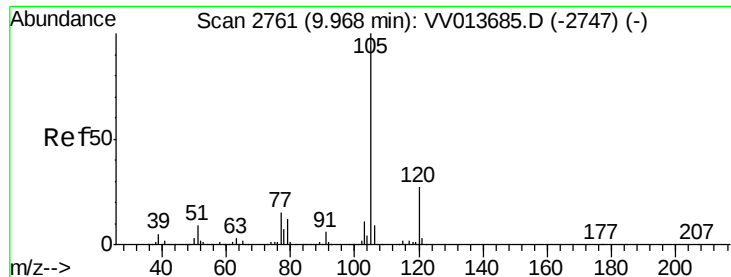
104 100

78 43.3 30.8 57.2



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





#56

Isopropylbenzene

Concen: 5.151 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013701.D

Acq: 20 Nov 2019 20:20

Instrument :

MSVOA_V

ClientSampled :

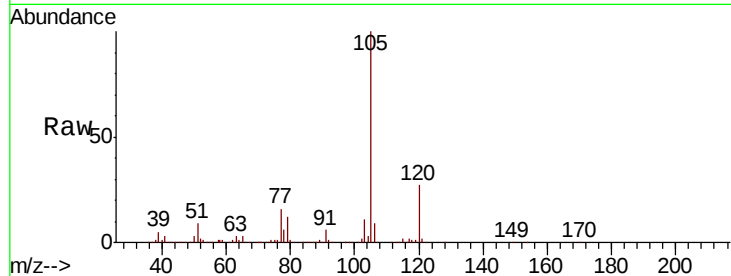
Tot Ion:105 Resp: 612097

Ion Ratio Lower Upper

105 100

120 26.7 21.2 31.8

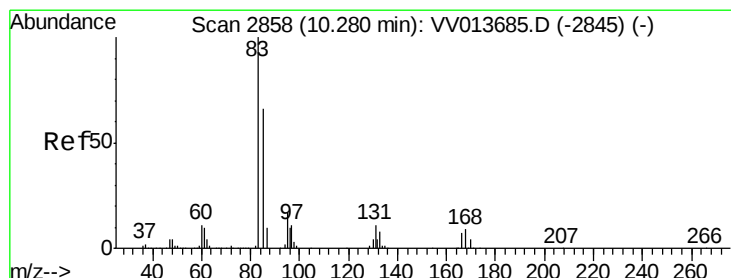
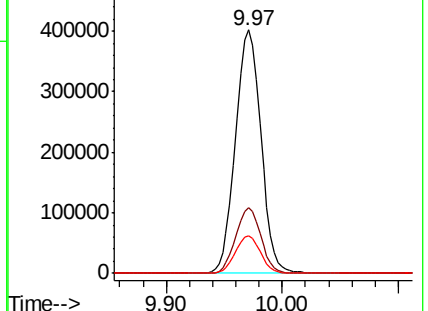
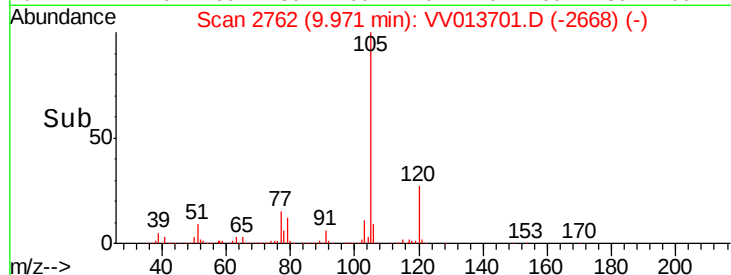
77 15.2 11.9 17.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.505 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013701.D

Acq: 20 Nov 2019 20:20

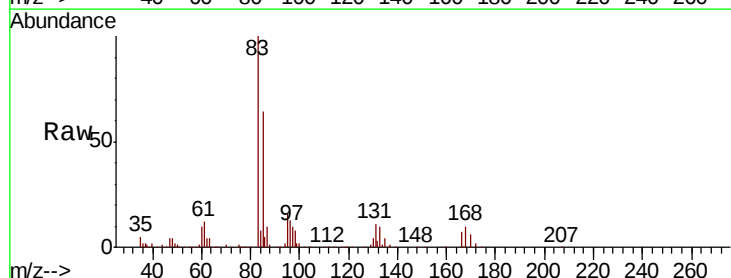
Tgt Ion: 83 Resp: 114089

Ion Ratio Lower Upper

83 100

85 63.5 43.0 80.0

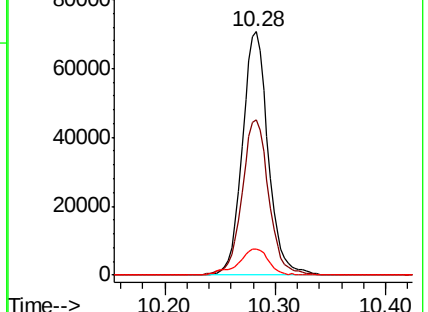
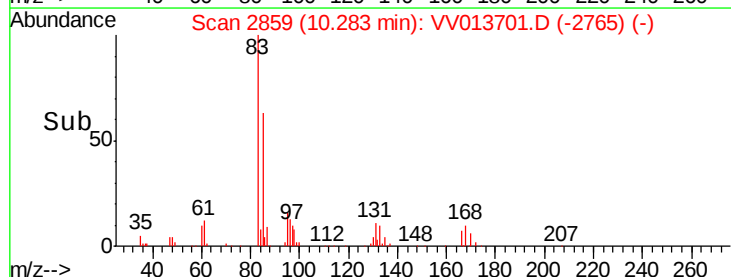
131 10.7 8.3 12.5

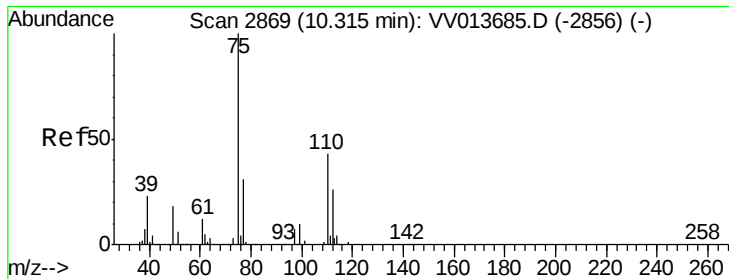


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

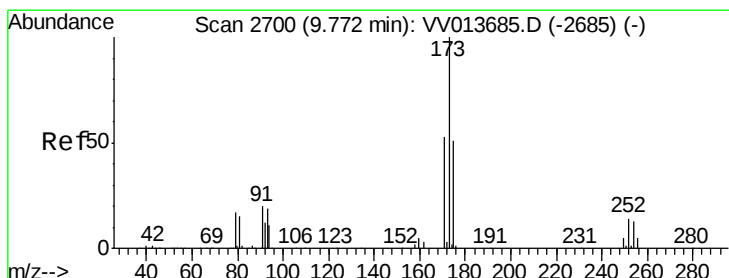
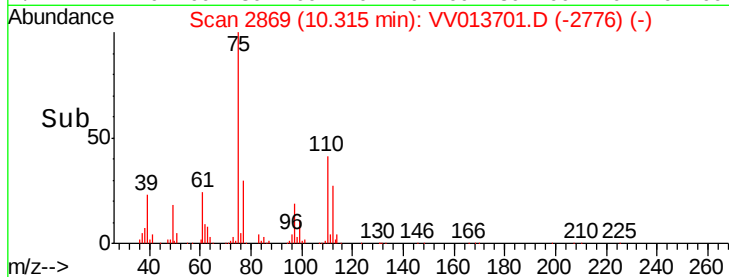
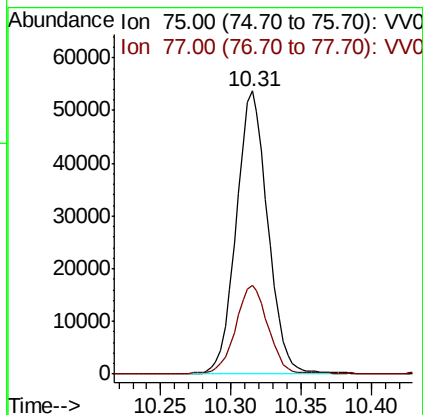
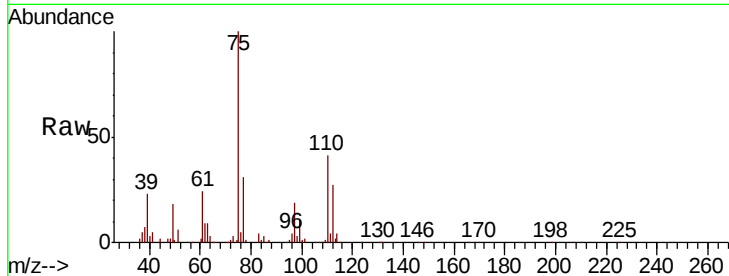




#59
 1,2,3-Trichloropropane
 Concen: 5.262 ug/L
 RT: 10.31 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VV013701.D
 Acq: 20 Nov 2019 20:20

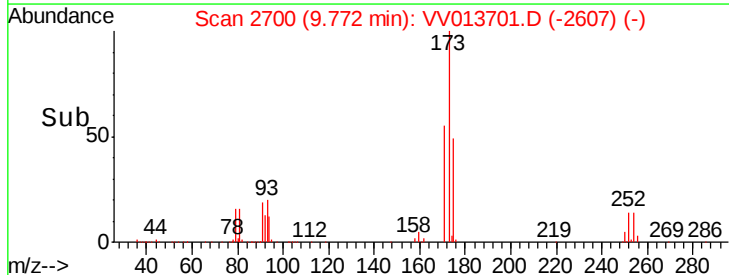
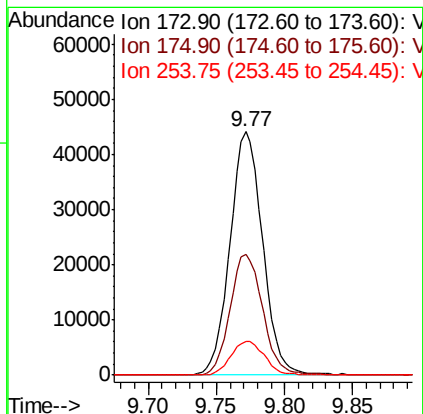
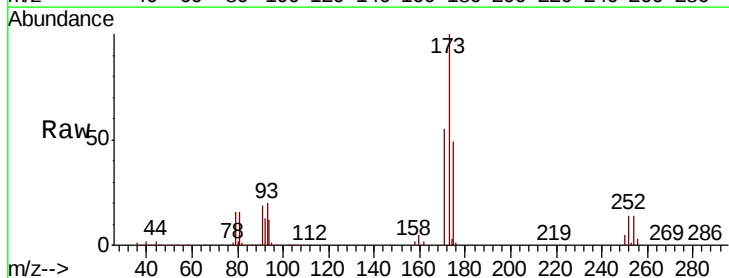
Instrument :
 MSVOA_V
 ClientSampleId :

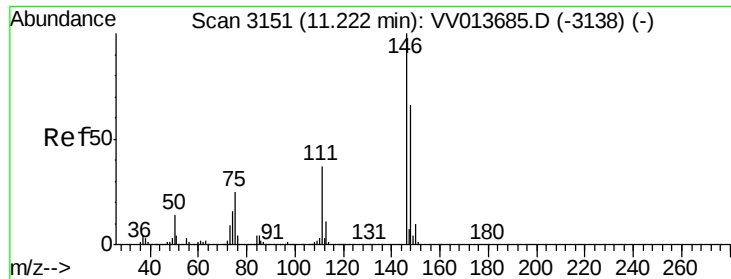
Tot Ion: 75 Resp: 84255
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.6 38.4



#61
 Bromoform
 Concen: 4.875 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. -0.00 min
 Lab File: VV013701.D
 Acq: 20 Nov 2019 20:20

Tgt Ion: 173 Resp: 73414
 Ion Ratio Lower Upper
 173 100
 175 49.3 38.2 57.2
 254 14.1 10.4 15.6

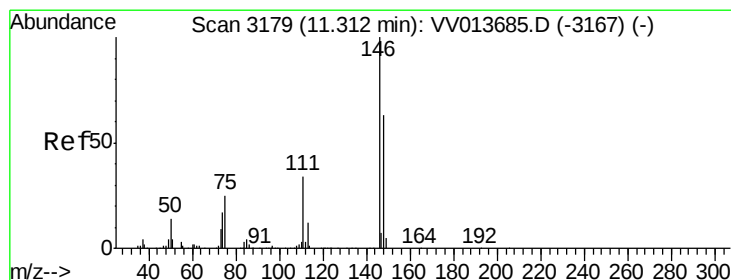
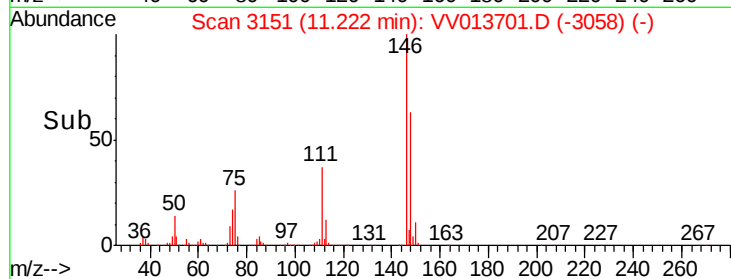
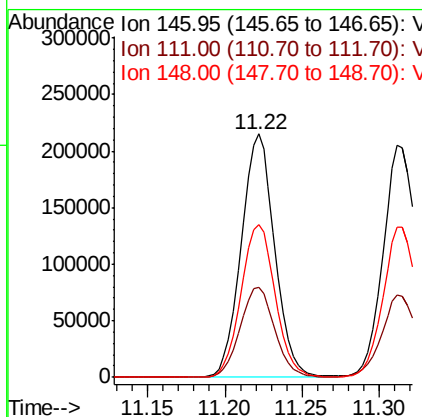
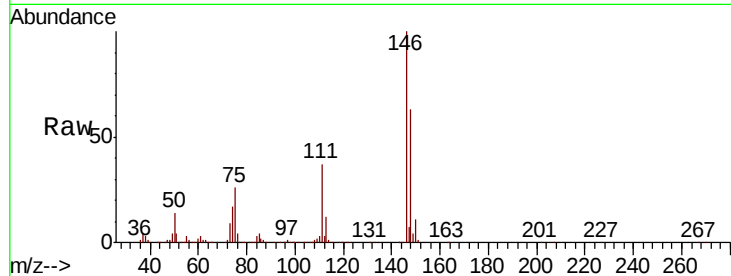




#62
 1,3-Dichlorobenzene
 Concen: 4.803 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. -0.00 min
 Lab File: VV013701.D
 Acq: 20 Nov 2019 20:20

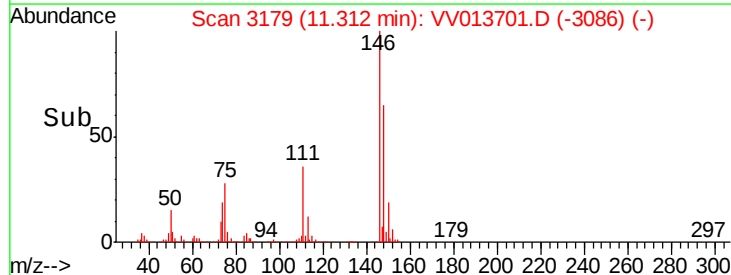
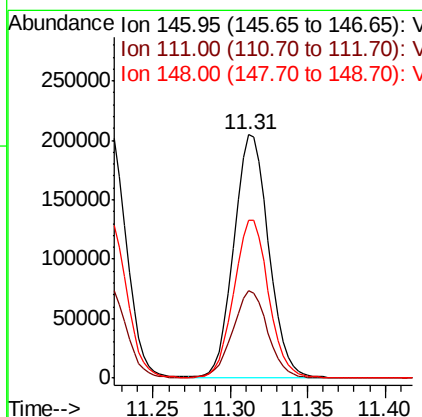
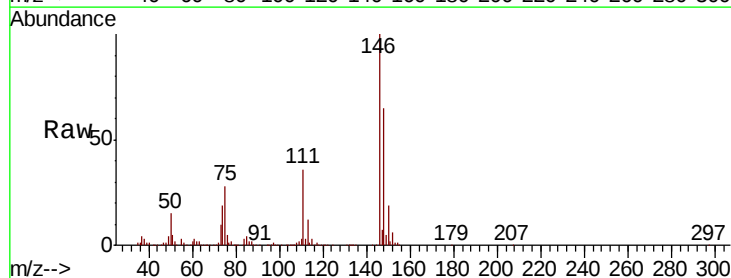
Instrument :
 MSVOA_V
 ClientSampled :

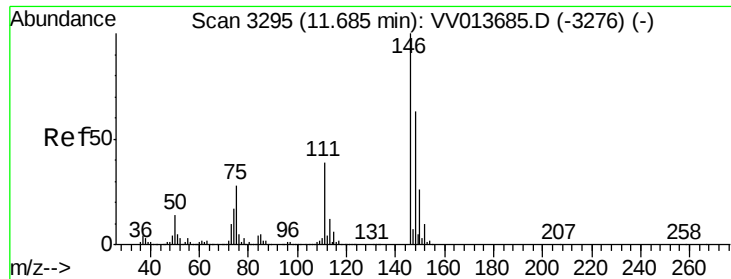
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	26.2	48.6
148	62.7	44.4	82.5



#63
 1,4-Dichlorobenzene
 Concen: 4.642 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. -0.00 min
 Lab File: VV013701.D
 Acq: 20 Nov 2019 20:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	25.6	47.6
148	64.8	45.6	84.8

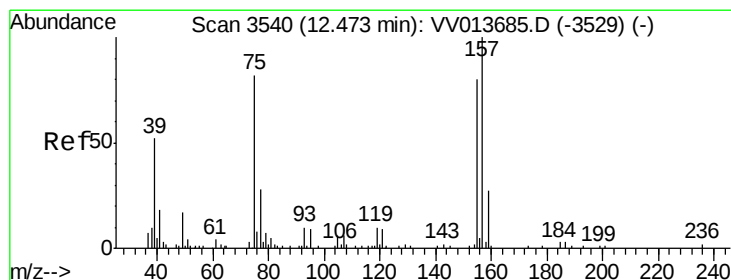
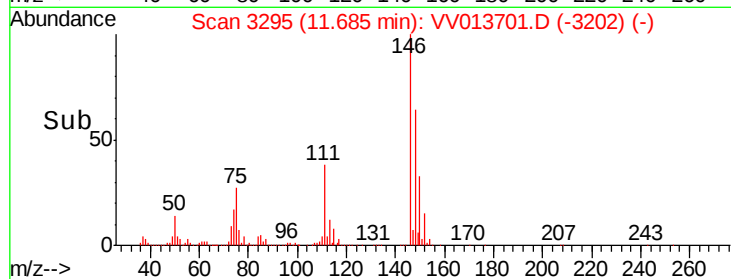
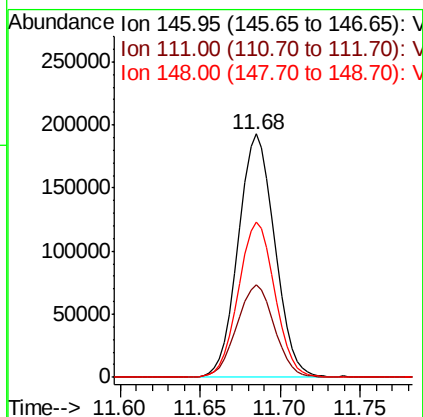
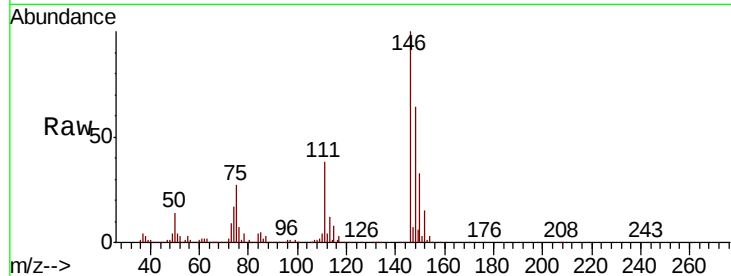




#65
 1,2-Dichlorobenzene
 Concen: 4.774 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013701.D
 Acq: 20 Nov 2019 20:20

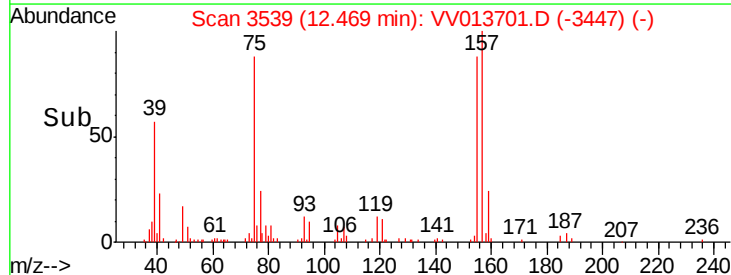
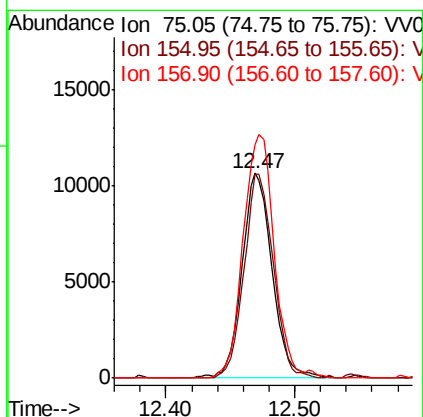
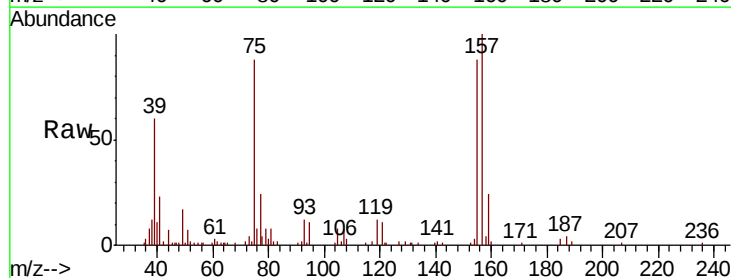
Instrument :
 MSVOA_V
 ClientSampled :

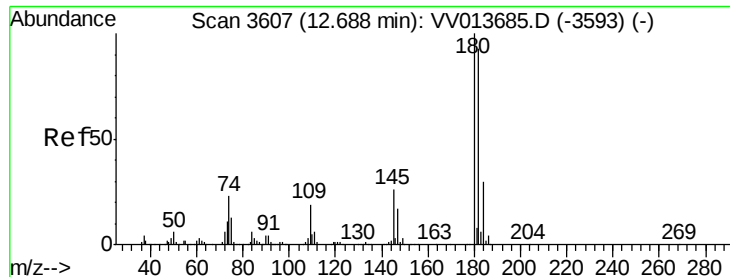
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	31.3	46.9
148	64.0	51.1	76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.619 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV013701.D
 Acq: 20 Nov 2019 20:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.6	64.8	97.2
157	113.6	89.1	133.7

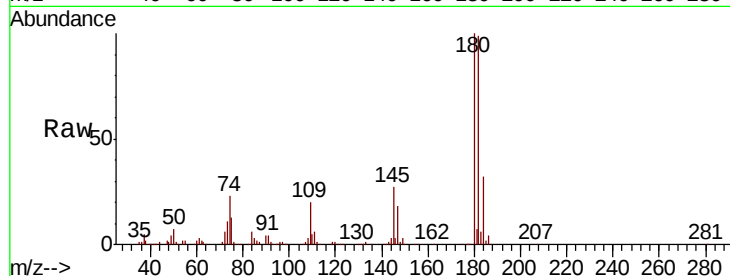




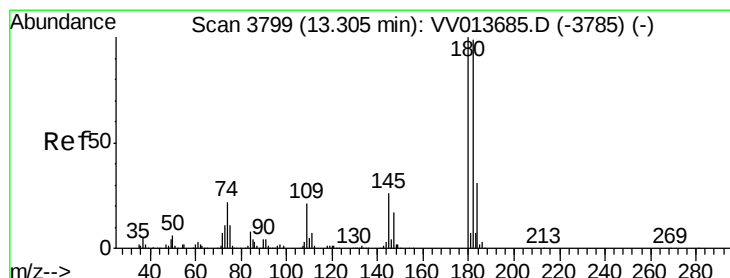
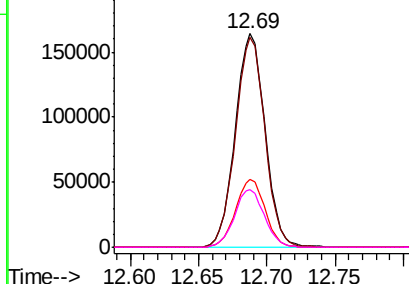
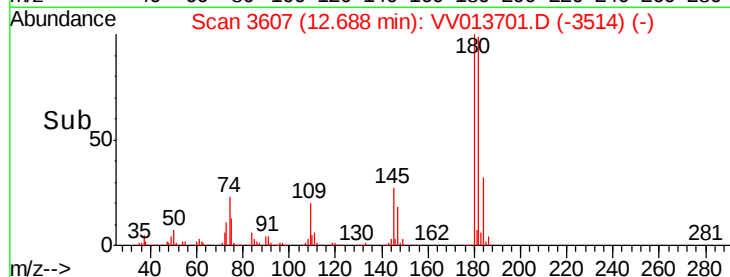
#67
 1,3,5-Trichlorobenzene
 Concen: 4.447 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013701.D
 Acq: 20 Nov 2019 20:20

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	248891
Ion Ratio	Lower	Upper
180	100	
182	97.1	77.0 115.6
184	31.6	24.4 36.6
145	27.2	21.5 32.3

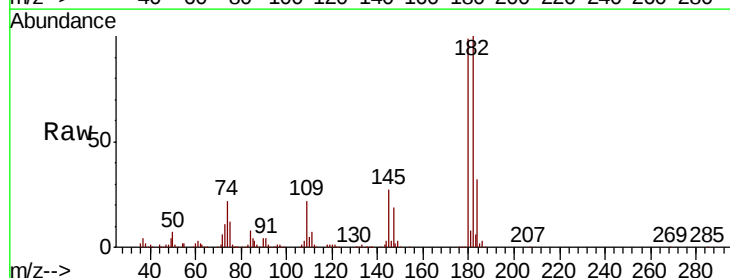


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

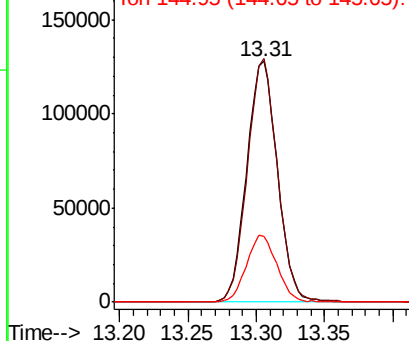
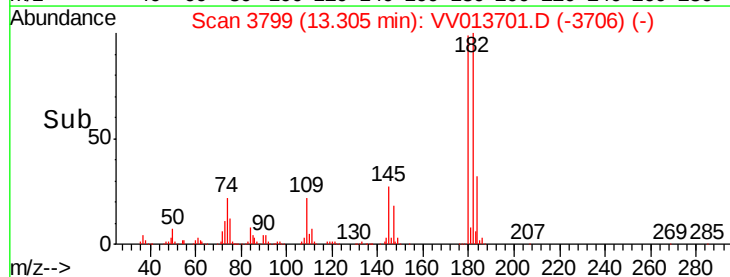


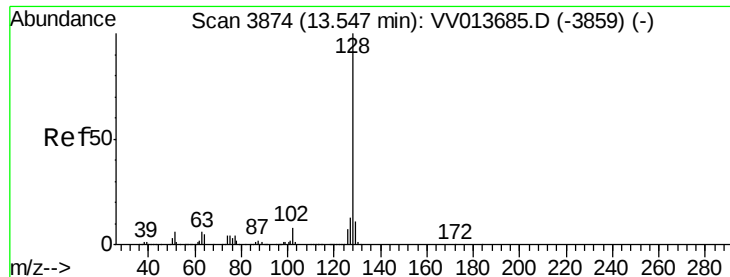
#68
 1,2,4-trichlorobenzene
 Concen: 4.351 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013701.D
 Acq: 20 Nov 2019 20:20

Tgt Ion:180	Resp:	200008
Ion Ratio	Lower	Upper
180	100	
182	99.0	77.2 115.8
145	27.5	22.6 33.8



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: 4.409 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013701.D

Acq: 20 Nov 2019 20:20

Instrument :

MSVOA_V

ClientSampleId :

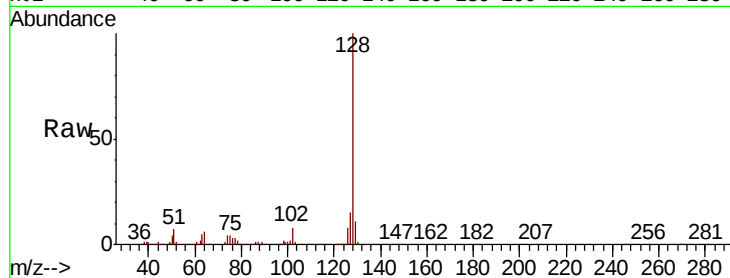
Tot Ion:128 Resp: 276857

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

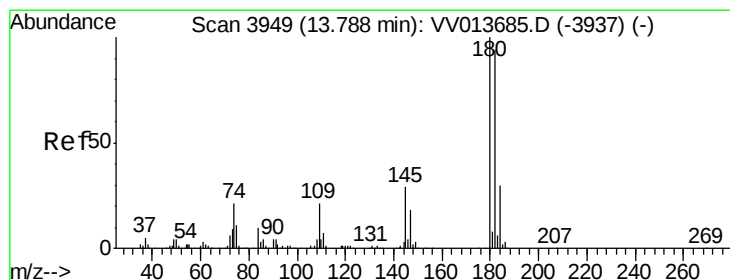
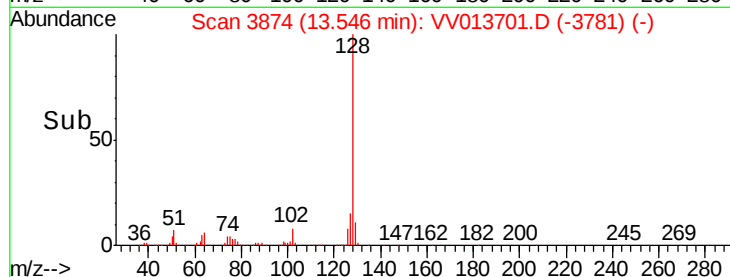
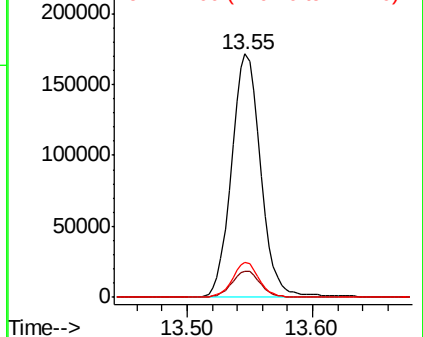
127 13.3 10.4 15.6



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: 4.647 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013701.D

Acq: 20 Nov 2019 20:20

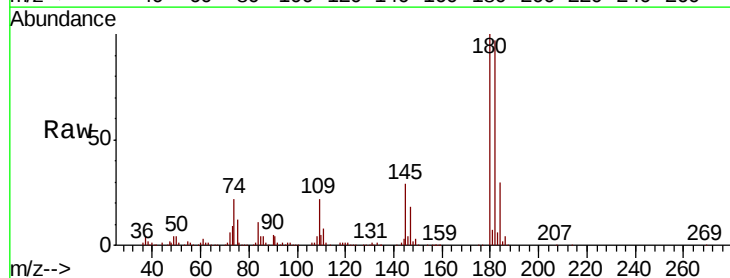
Tgt Ion:180 Resp: 195164

Ion Ratio Lower Upper

180 100

182 96.1 75.6 113.4

145 28.5 23.4 35.0



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

