

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052020\
 Data File : VV016143.D
 Acq On : 20 May 2020 20:30
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 21 01:44:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 21 01:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	159423	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	153544	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	79080	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	35969	4.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.20%
7) Chloroethane-d5	1.58	69	39624	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.13	63	87904	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.60%
20) 2-Butanone-d5	3.92	46	148190	60.07	ug/L	-0.07
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.14%
24) Chloroform-d	4.38	84	78530	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
26) 1,2-Dichloroethane-d4	5.06	65	53791	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.08	84	183574	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.10	67	59164	5.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.20%
41) Toluene-d8	7.34	98	167622	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
45) trans-1,3-Dichloropropene-	7.65	79	20143	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
48) 2-Hexanone-d5	8.11	63	121016	62.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	125.88%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	45481	5.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	65276	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	53253	4.359	ug/L	98
3) Chloromethane	1.25	50	53381	4.316	ug/L	99
5) Vinyl chloride	1.32	62	54194	4.582	ug/L	94
6) Bromomethane	1.53	94	18408	2.743	ug/L	98
8) Chloroethane	1.60	64	36082	4.282	ug/L	88
9) Trichlorofluoromethane	1.77	101	75999	4.685	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	47956	5.234	ug/L	100
12) 1,1-Dichloroethene	2.14	96	44362	5.056	ug/L	93
13) Acetone	2.20	43	77210	47.443	ug/L	69
14) Carbon disulfide	2.32	76	121366	4.190	ug/L	99
15) Methyl Acetate	2.46	43	19305	5.133	ug/L	93
16) Methylene chloride	2.53	84	51411	4.897	ug/L	99
17) Methyl tert-butyl Ether	2.79	73	114945	5.042	ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	47500	4.899	ug/L	98
19) 1,1-Dichloroethane	3.22	63	92826	4.971	ug/L	99
21) 2-Butanone	4.01	43	120703	48.701	ug/L	96
22) cis-1,2-Dichloroethene	3.95	96	51149	5.040	ug/L	97

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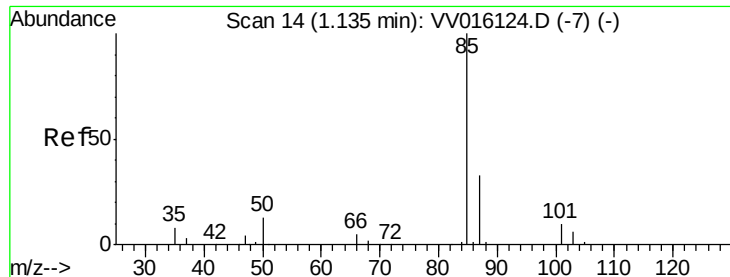
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 21 01:44:44 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.28	128	21362	4.931	ug/L	97
25) Chloroform	4.41	83	115541	5.618	ug/L	97
27) 1,2-Dichloroethane	5.16	62	59507	4.709	ug/L	99
29) 1,1,1-Trichloroethane	4.64	97	83208	4.914	ug/L	98
30) Cyclohexane	4.71	56	83883	4.944	ug/L	99
31) Carbon tetrachloride	4.86	117	68710	4.702	ug/L	100
33) Benzene	5.13	78	197710	5.118	ug/L	100
34) Trichloroethene	5.94	95	52172	4.732	ug/L	98
35) Methylcyclohexane	6.16	83	82533	4.948	ug/L	99
37) 1,2-Dichloropropane	6.20	63	49155	5.008	ug/L	99
38) Bromodichloromethane	6.53	83	60861	4.883	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	64737	4.667	ug/L	96
40) 4-Methyl-2-pentanone	7.25	43	322345	52.694	ug/L	100
42) Toluene	7.41	91	215370	5.260	ug/L	100
43) 1,3,5-Trimethylbenzene	10.56	105	205969	5.479	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	205447	5.469	ug/L #	100
46) trans-1,3-Dichloropropene	7.68	75	52450	4.476	ug/L	96
47) 1,1,2-Trichloroethane	7.86	97	32422	4.947	ug/L	98
49) Tetrachloroethene	8.00	164	38672	5.027	ug/L	99
50) 2-Hexanone	8.16	43	232874	53.832	ug/L	99
51) Dibromochloromethane	8.27	129	33466	4.544	ug/L	95
52) 1,2-Dibromoethane	8.38	107	30668	5.045	ug/L	93
53) Chlorobenzene	8.90	112	136428	5.181	ug/L	97
54) Ethylbenzene	9.04	91	243170	5.223	ug/L	98
55) m,p-xylene	9.16	106	91955	5.334	ug/L	95
56) o-xylene	9.57	106	88443	5.366	ug/L	97
57) Styrene	9.58	104	149244	5.413	ug/L	99
58) Isopropylbenzene	9.95	105	243647	5.380	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	40146	5.732	ug/L	98
62) Bromoform	9.76	173	14264	3.926	ug/L	98
63) 1,3-Dichlorobenzene	11.20	146	110459	5.184	ug/L	99
64) 1,4-Dichlorobenzene	11.30	146	109481	5.115	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	100647	5.220	ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.45	75	6562	5.214	ug/L	95
68) 1,3,5-Trichlorobenzene	12.67	180	77700	4.988	ug/L	98
69) 1,2,4-trichlorobenzene	13.29	180	68114	5.089	ug/L	100
70) Naphthalene	13.53	128	232592	10.926	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	62747	5.314	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 4.359 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV016143.D

Acq: 20 May 2020 20:30

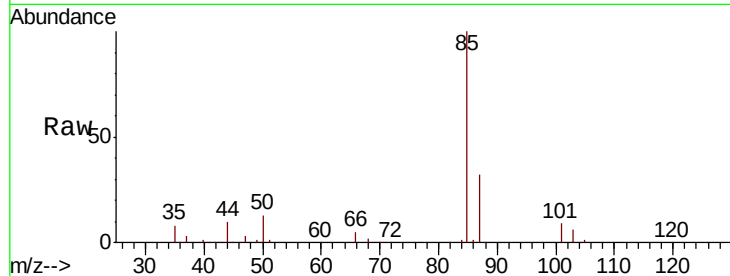
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 53253

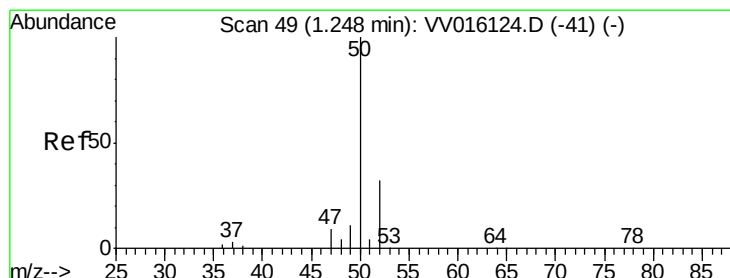
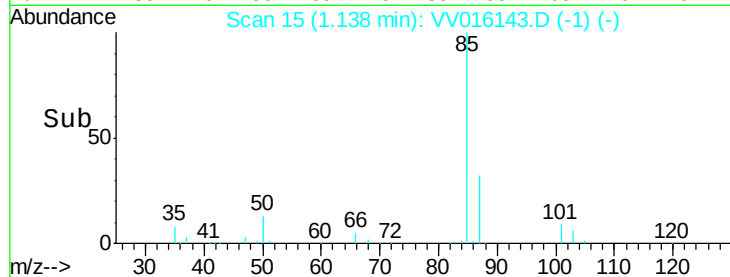
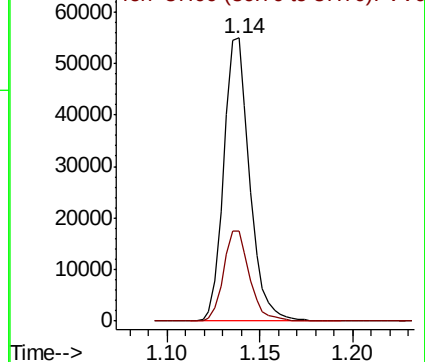
Ion Ratio Lower Upper

85 100

87 31.9 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.316 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016143.D

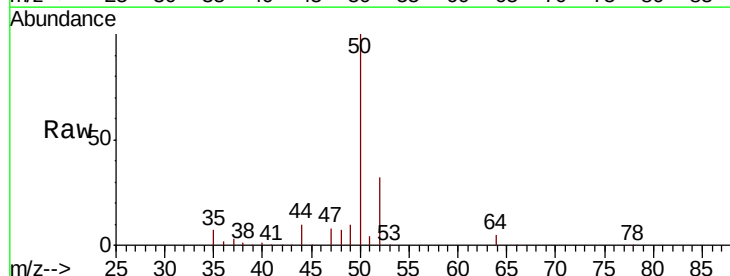
Acq: 20 May 2020 20:30

Tgt Ion: 50 Resp: 53381

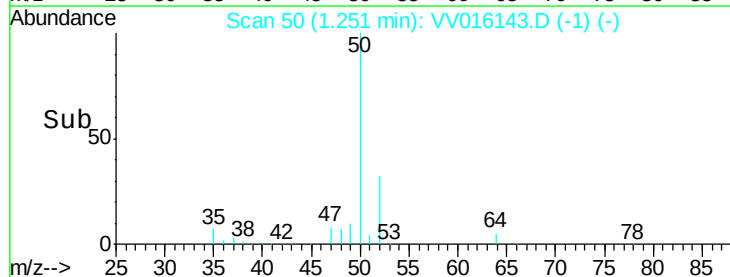
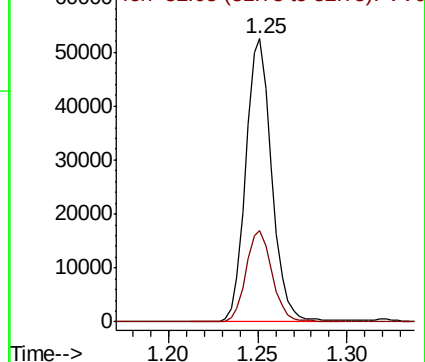
Ion Ratio Lower Upper

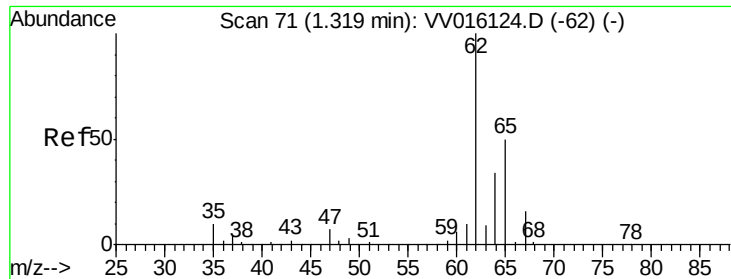
50 100

52 32.2 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV0
Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.582 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016143.D

Acq: 20 May 2020 20:30

Instrument :

MSVOA_V

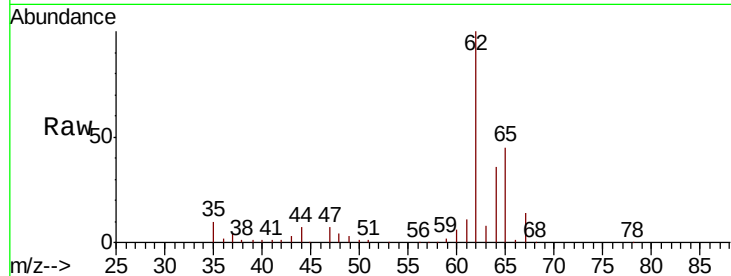
ClientSampled :

Tot Ion: 62 Resp: 54194

Ion Ratio Lower Upper

62 100

64 35.6 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

50000

40000

30000

20000

10000

0

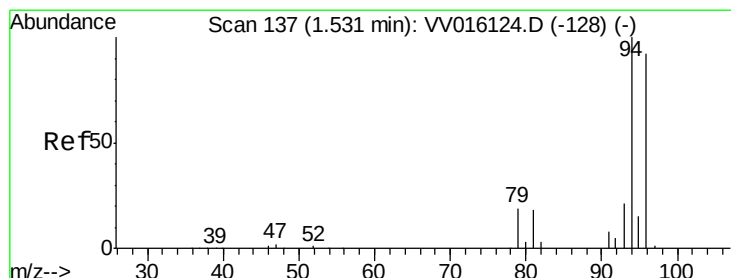
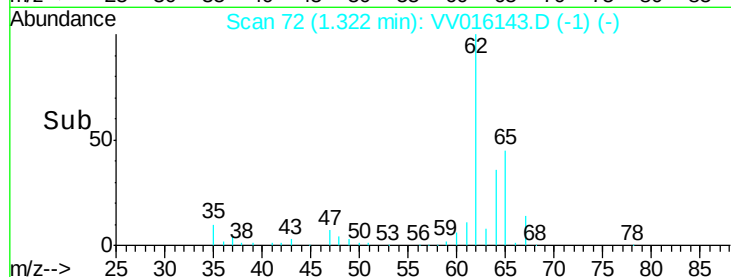
1.25

1.30

1.35

1.40

Time-->



#6

Bromomethane

Concen: 2.743 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV016143.D

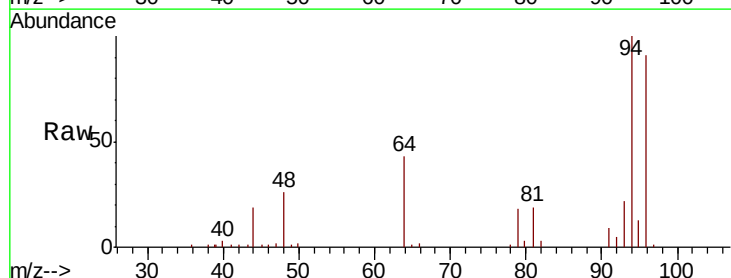
Acq: 20 May 2020 20:30

Tgt Ion: 94 Resp: 18408

Ion Ratio Lower Upper

94 100

96 91.3 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

15000

10000

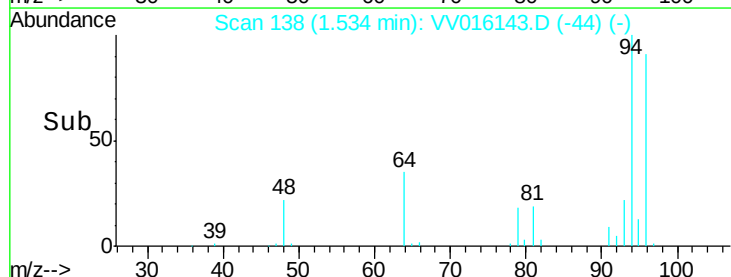
5000

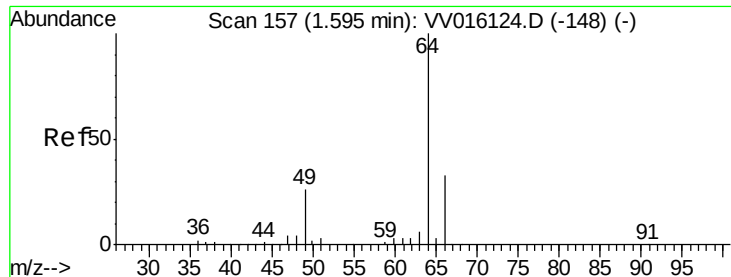
0

1.50

1.55

Time-->





#8

Chloroethane

Concen: 4.282 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV016143.D

Acq: 20 May 2020 20:30

Instrument :

MSVOA_V

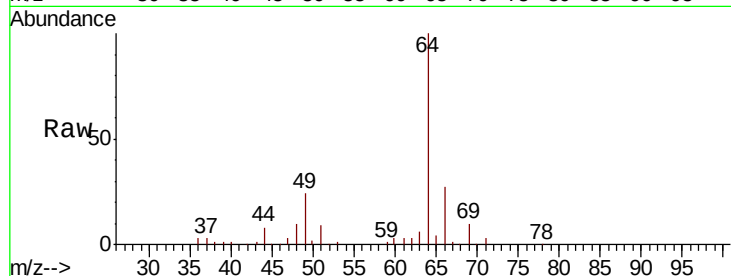
ClientSampleId :

Tot Ion: 64 Resp: 36082

Ion Ratio Lower Upper

64 100

66 26.8 23.6 43.8



Abundance Ion 64.10 (63.80 to 64.80): VV016143.D (-64) (-)

Ion 66.05 (65.75 to 66.75): VV016143.D (-64) (-)

1.60

30000

20000

10000

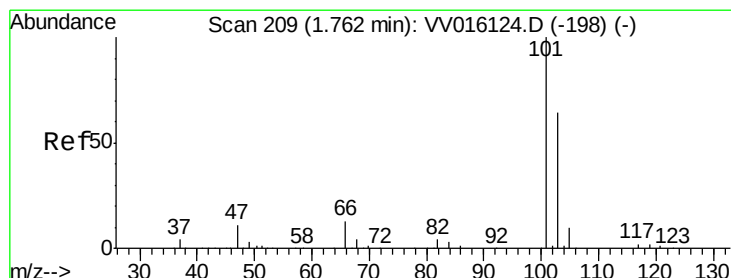
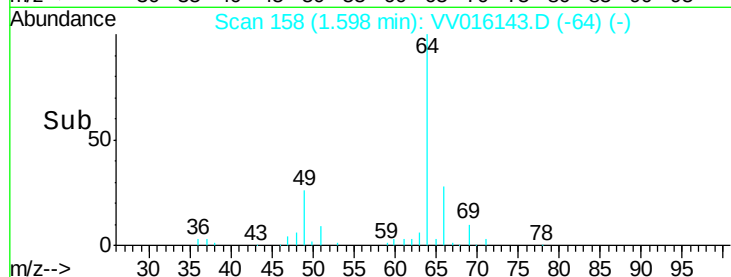
0

Time-->

1.55

1.60

1.65



#9

Trichlorofluoromethane

Concen: 4.685 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV016143.D

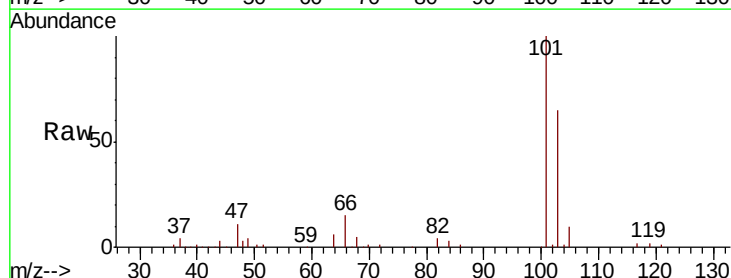
Acq: 20 May 2020 20:30

Tgt Ion: 101 Resp: 75999

Ion Ratio Lower Upper

101 100

103 65.3 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV016143.D (-116) (-)

Ion 103.00 (102.70 to 103.70): VV016143.D (-116) (-)

1.77

60000

40000

20000

0

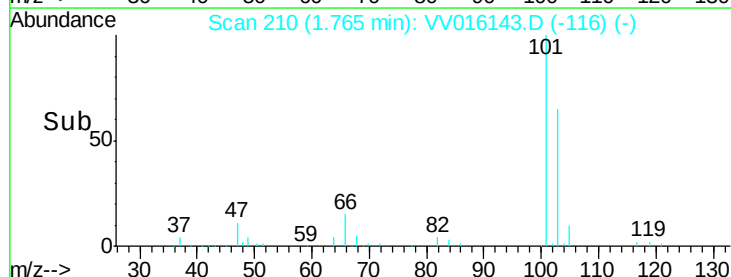
Time-->

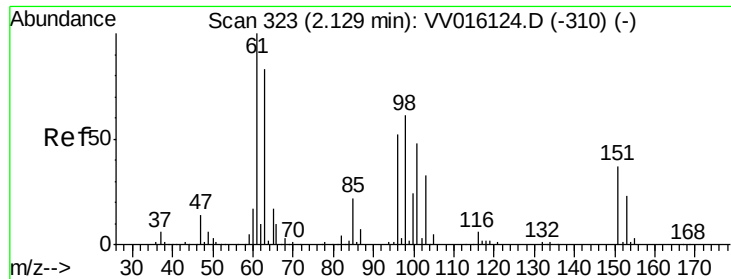
1.70

1.75

1.80

1.85





#10

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

Concen: 5.234 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.01 min

Lab File: VV016143.D

Acq: 20 May 2020 20:30

Instrument :

MSVOA_V

ClientSampleId :

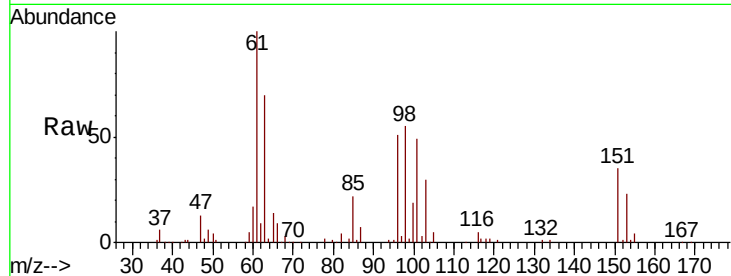
Tot Ion:101 Resp: 47956

Ion Ratio Lower Upper

101 100

85 44.8 35.7 53.5

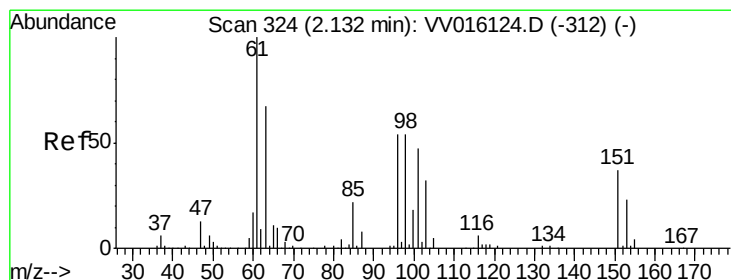
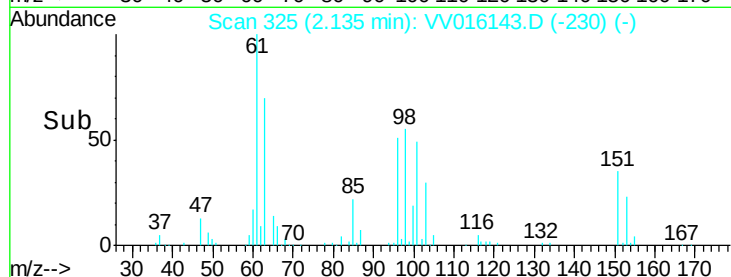
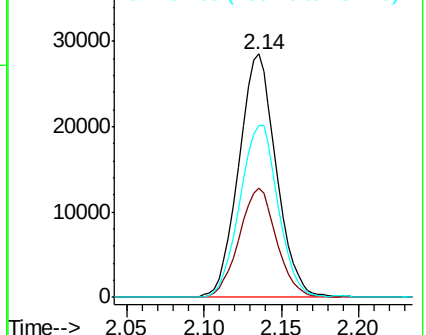
151 72.1 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.056 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016143.D

Acq: 20 May 2020 20:30

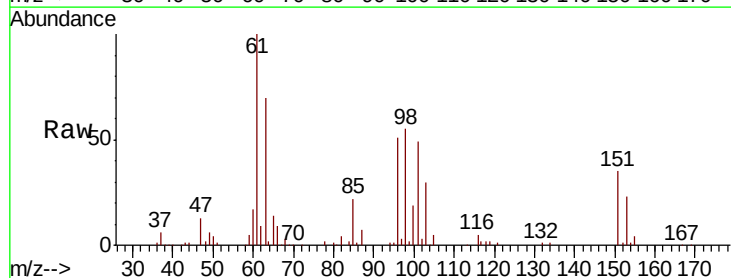
Tgt Ion: 96 Resp: 44362

Ion Ratio Lower Upper

96 100

61 194.8 139.9 259.7

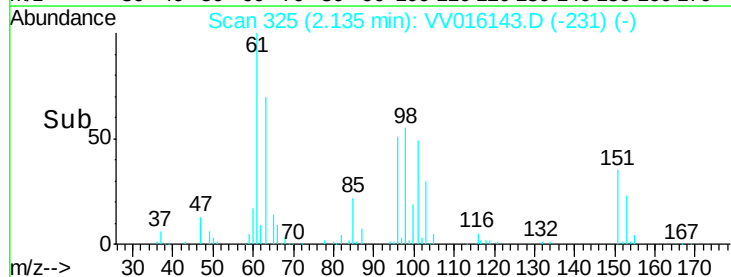
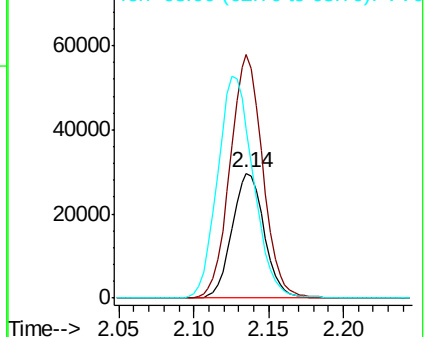
63 135.8 106.4 197.6

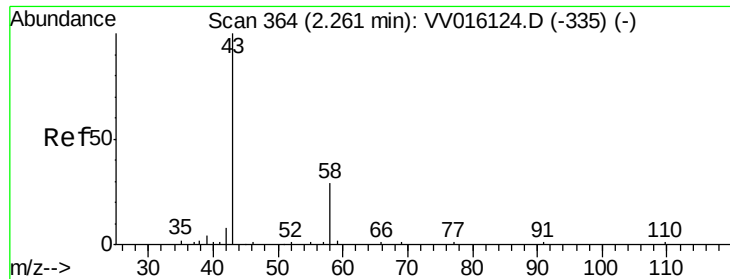


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 47.443 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.06 min

Lab File: VV016143.D

Acq: 20 May 2020 20:30

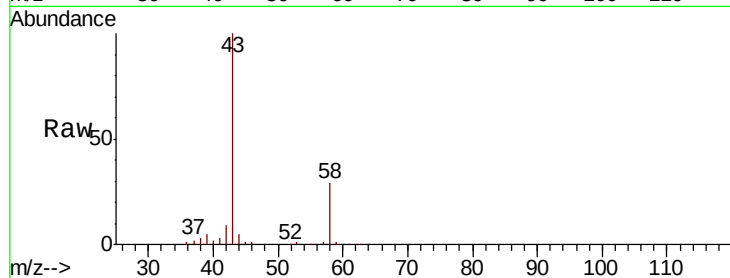
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 77210

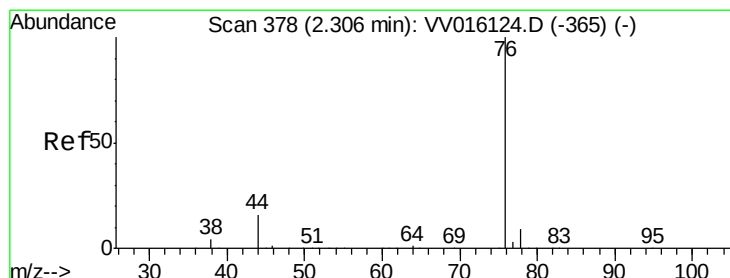
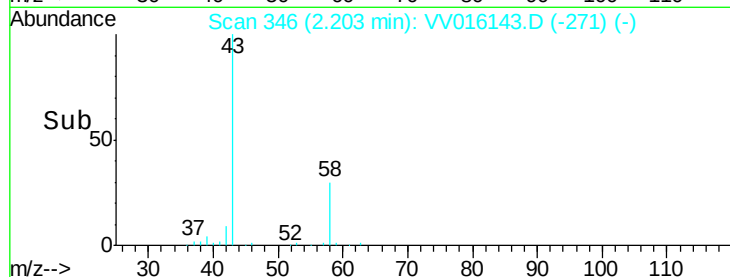
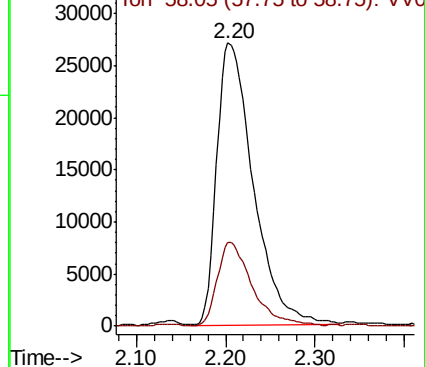
Ion Ratio Lower Upper

43 100

58 28.3 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV016143.D (-271) (-)



#14

Carbon disulfide

Concen: 4.190 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV016143.D

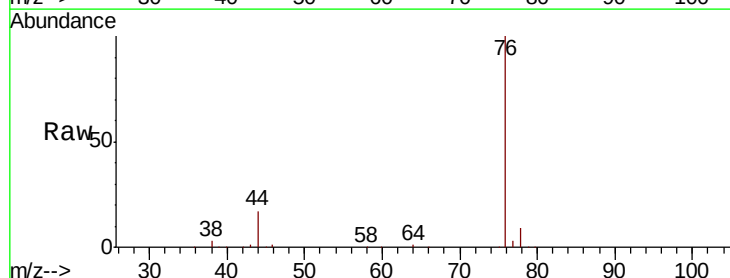
Acq: 20 May 2020 20:30

Tgt Ion: 76 Resp: 121366

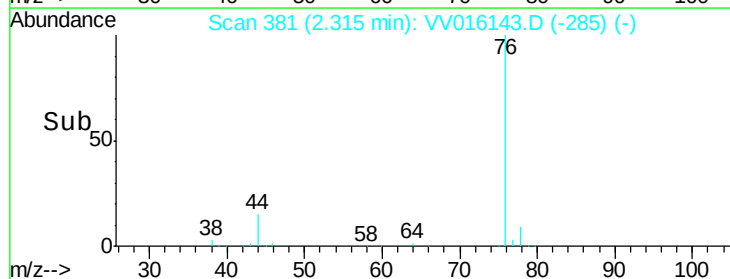
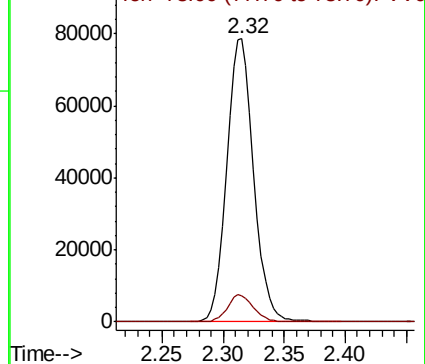
Ion Ratio Lower Upper

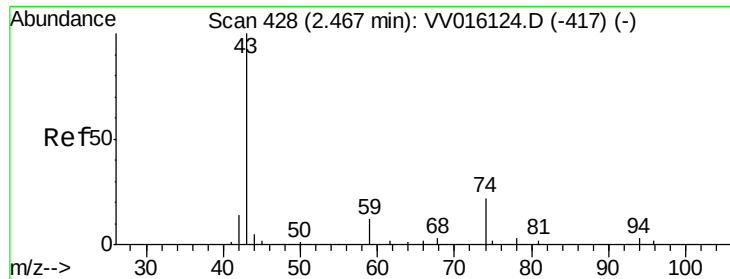
76 100

78 9.2 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV016143.D (-285) (-)

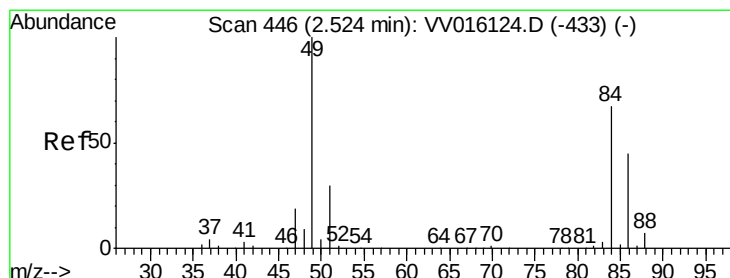
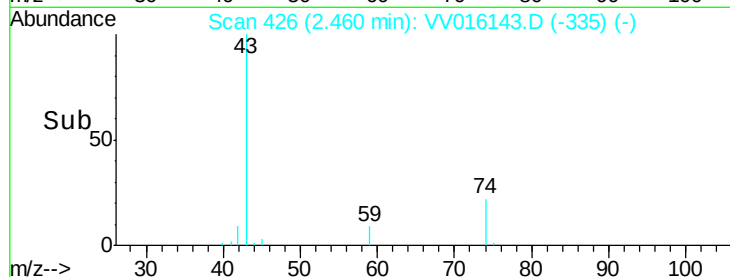
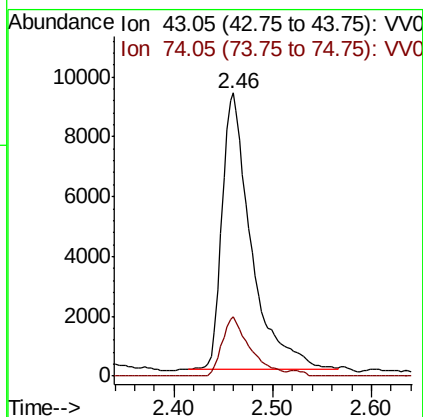
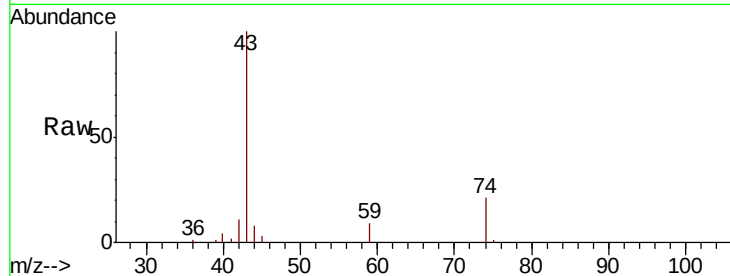




#15
Methvl Acetate
Concen: 5.133 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.01 min
Lab File: VV016143.D
Acq: 20 May 2020 20:30

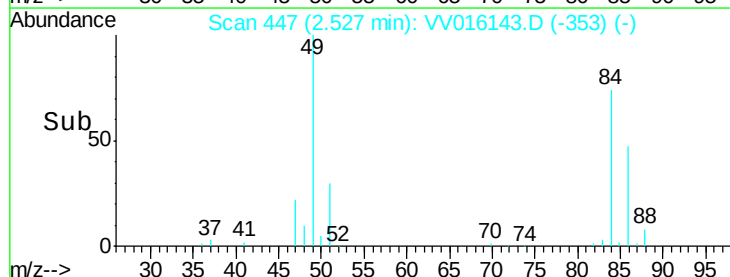
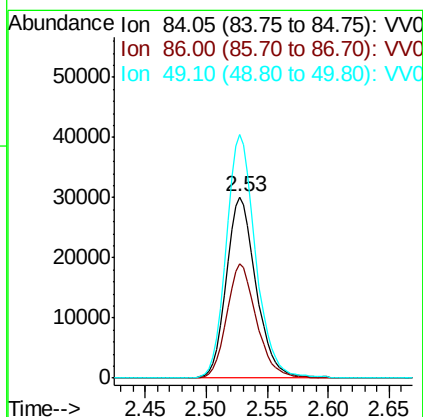
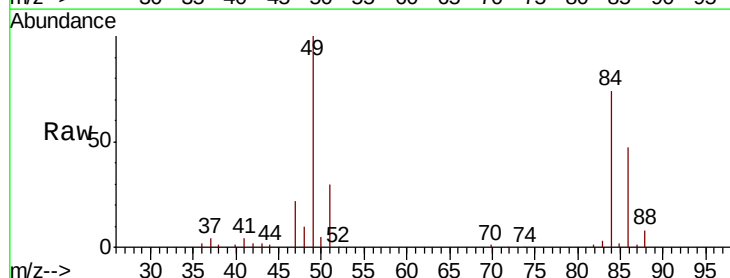
Instrument :
MSVOA_V
ClientSampled :

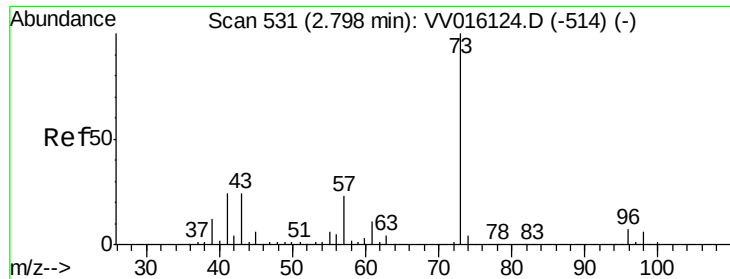
Tot Ion: 43 Resp: 19305
Ion Ratio Lower Upper
43 100
74 20.7 19.2 28.8



#16
Methylene chloride
Concen: 4.897 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV016143.D
Acq: 20 May 2020 20:30

Tgt Ion: 84 Resp: 51411
Ion Ratio Lower Upper
84 100
86 63.4 45.6 84.8
49 134.5 93.6 173.8

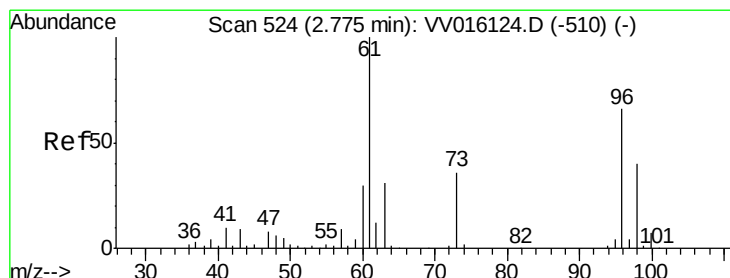
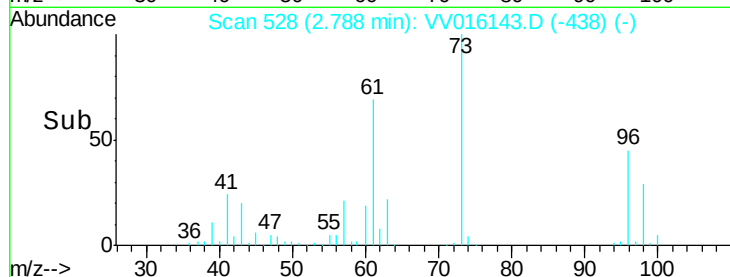
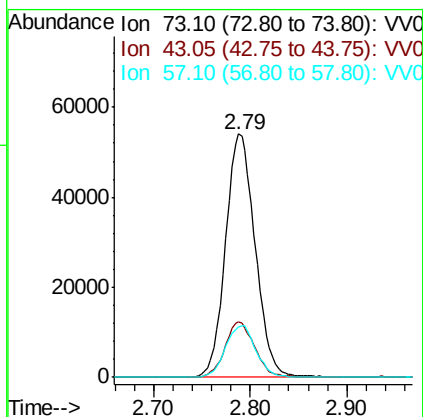
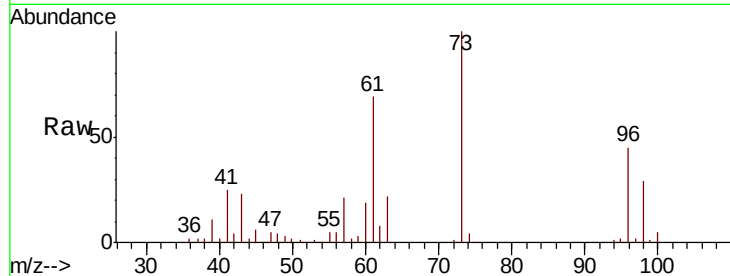




#17
Methyl tert-butyl Ether
Concen: 5.042 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.01 min
Lab File: VV016143.D
Acq: 20 May 2020 20:30

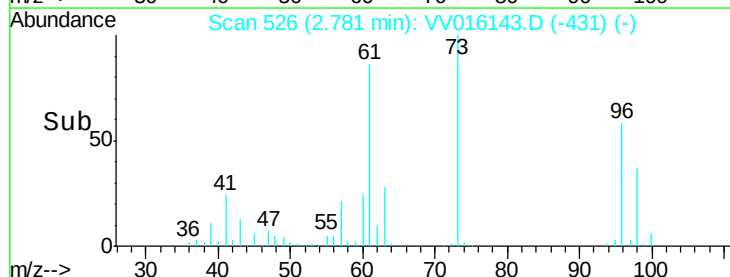
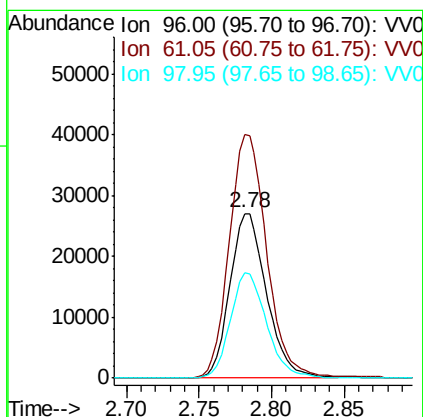
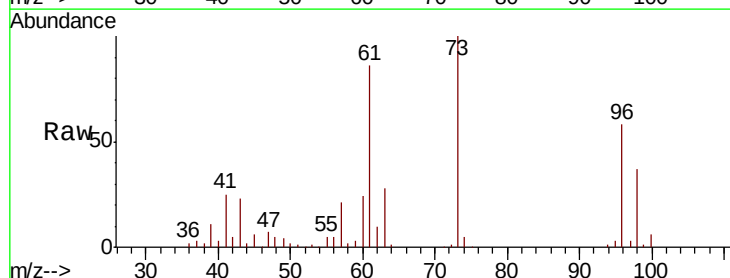
Instrument :
MSVOA_V
ClientSampleId :

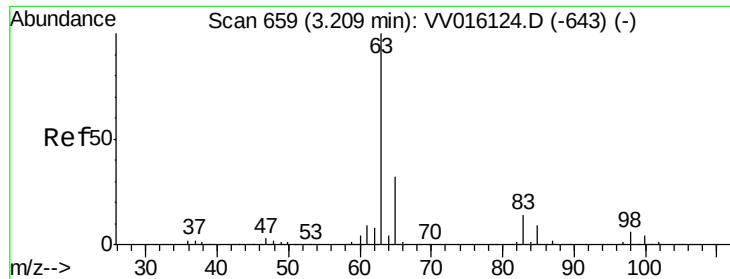
Tot Ion: 73 Resp: 114945
Ion Ratio Lower Upper
73 100
43 22.2 18.8 28.2
57 21.8 17.8 26.6



#18
trans-1,2-Dichloroethene
Concen: 4.899 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.01 min
Lab File: VV016143.D
Acq: 20 May 2020 20:30

Tgt Ion: 96 Resp: 47500
Ion Ratio Lower Upper
96 100
61 147.8 105.3 195.5
98 64.1 44.0 81.6

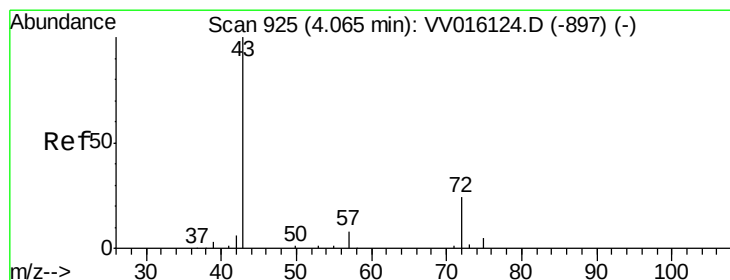
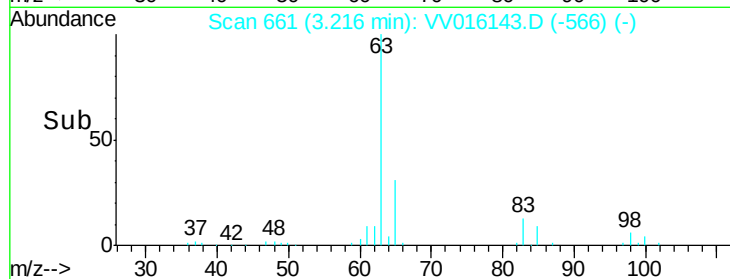
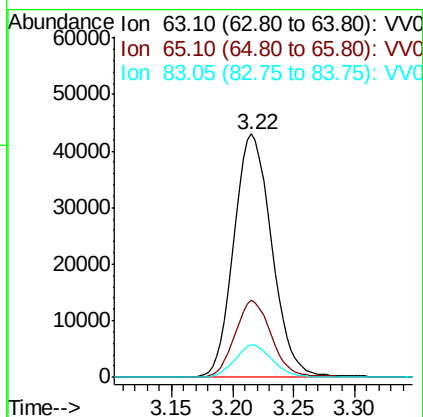
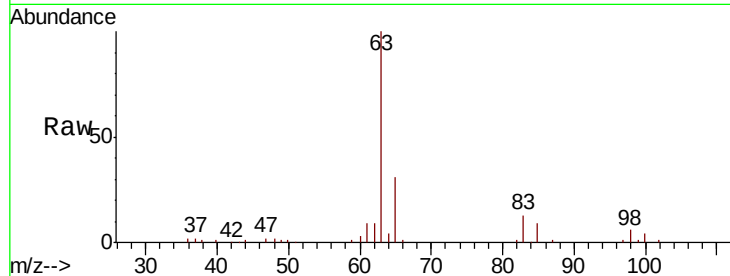




#19
 1,1-Dichloroethane
 Concen: 4.971 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VV016143.D
 Acq: 20 May 2020 20:30

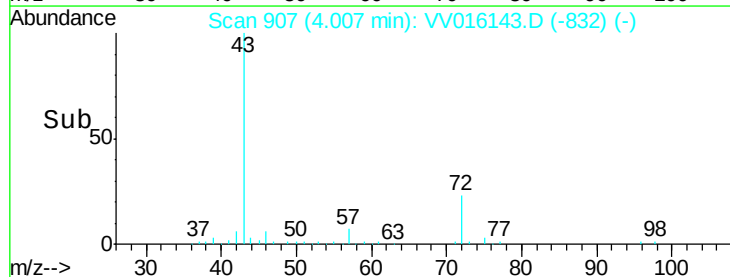
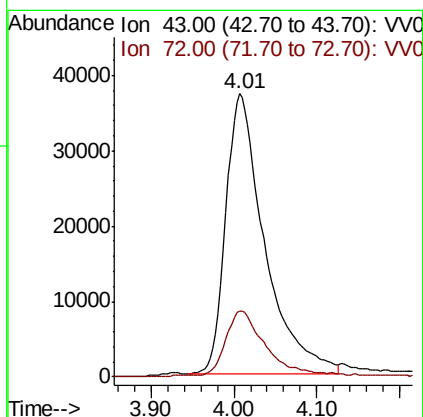
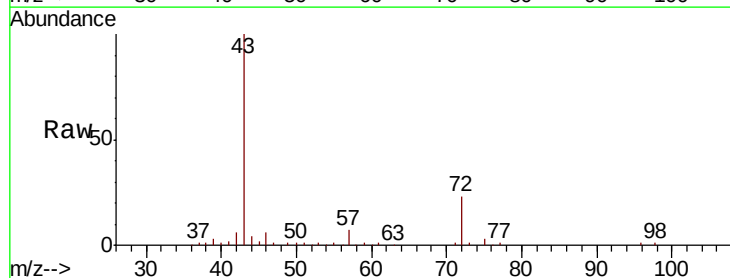
Instrument :
 MSVOA_V
 ClientSampled :

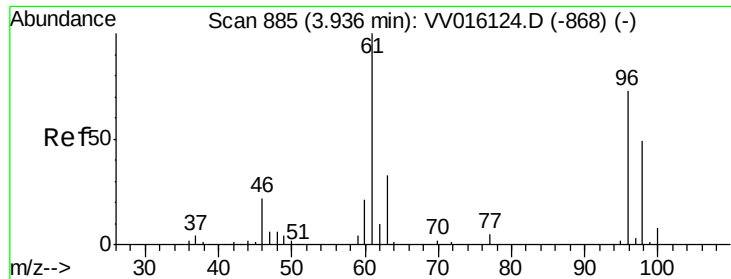
Tot Ion: 63 Resp: 92826
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.0 41.0
 83 13.3 9.8 18.2



#21
 2-Butanone
 Concen: 48.701 ug/L
 RT: 4.01 min Scan# 907
 Delta R.T. -0.06 min
 Lab File: VV016143.D
 Acq: 20 May 2020 20:30

Tgt Ion: 43 Resp: 120703
 Ion Ratio Lower Upper
 43 100
 72 23.0 10.5 31.5



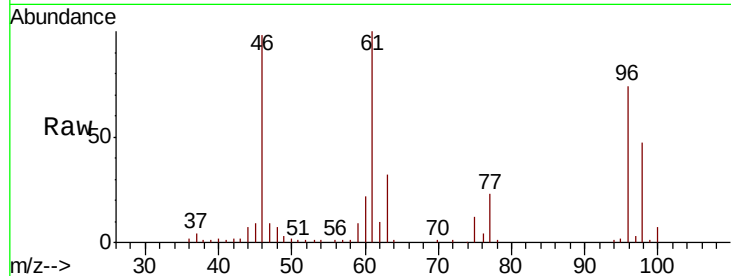


#22

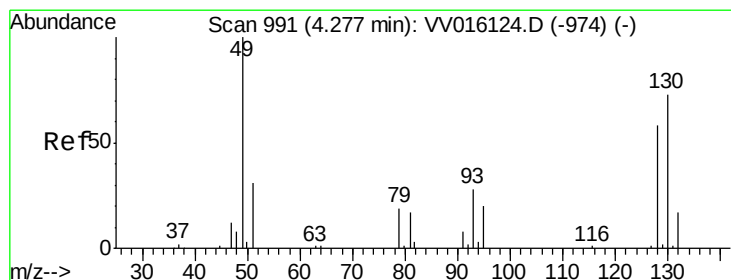
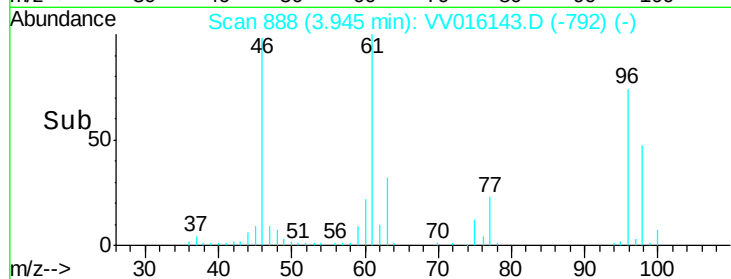
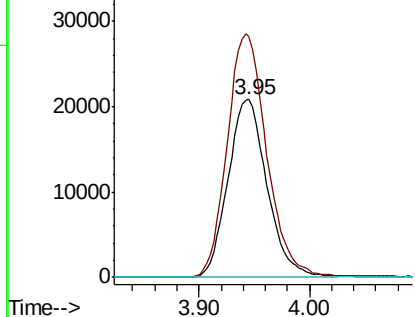
cis-1,2-Dichloroethene
 Concen: 5.040 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.01 min
 Lab File: VV016143.D
 Acq: 20 May 2020 20:30

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 51149
 Ion Ratio Lower Upper
 96 100
 61 135.4 97.2 180.6
 68 0.0 0.0 0.0



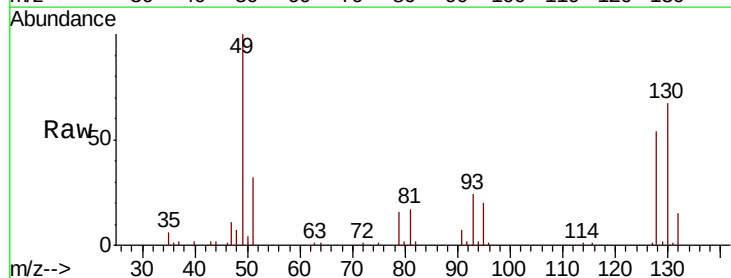
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



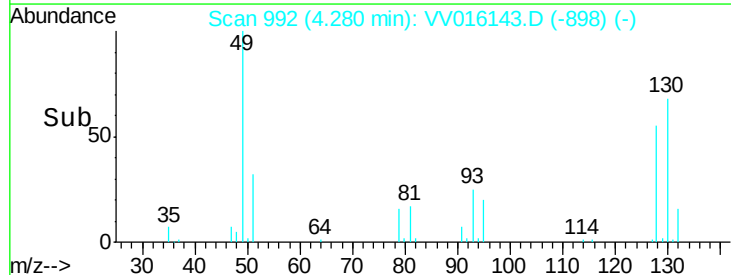
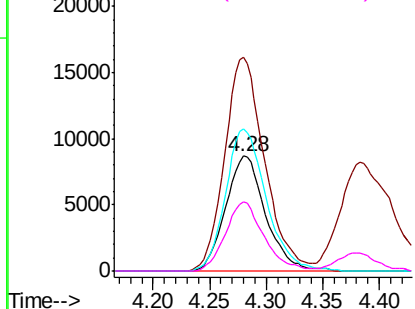
#23

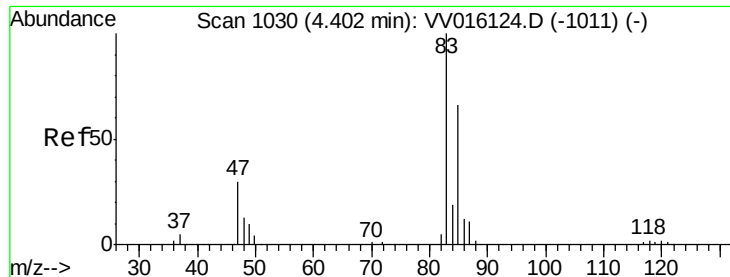
Bromochloromethane
 Concen: 4.931 ug/L
 RT: 4.28 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VV016143.D
 Acq: 20 May 2020 20:30

Tgt Ion: 128 Resp: 21362
 Ion Ratio Lower Upper
 128 100
 49 186.4 131.3 243.8
 130 124.1 91.8 170.4
 51 60.4 48.8 73.2



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

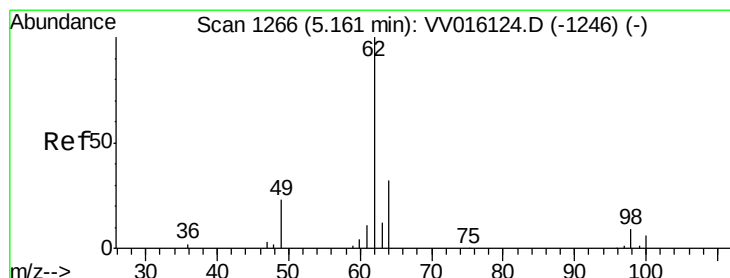
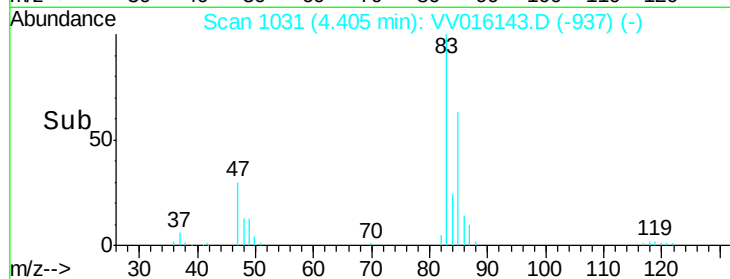
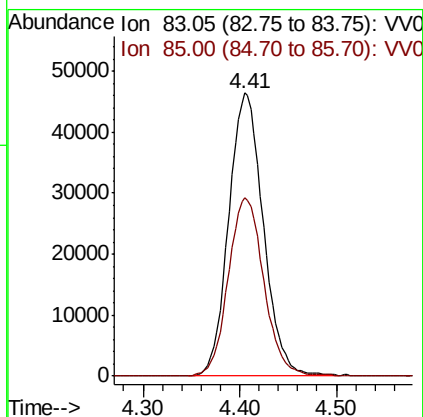
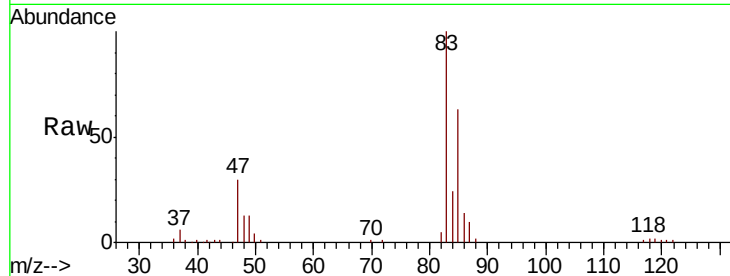




#25
Chloroform
Concen: 5.618 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV016143.D
Acq: 20 May 2020 20:30

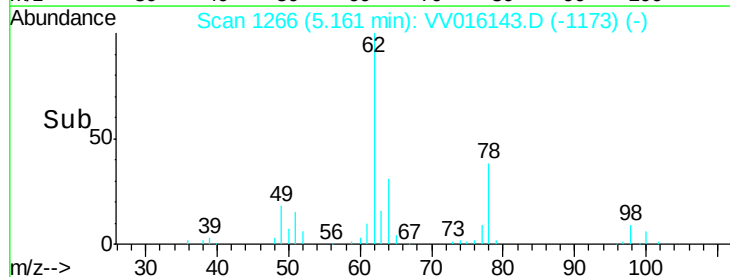
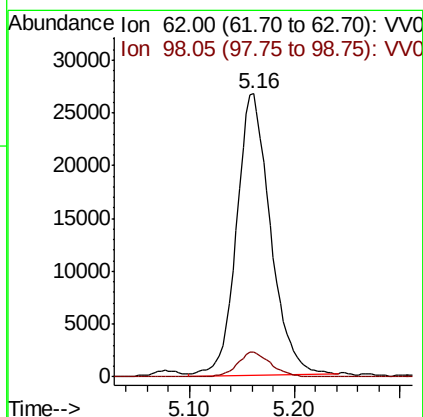
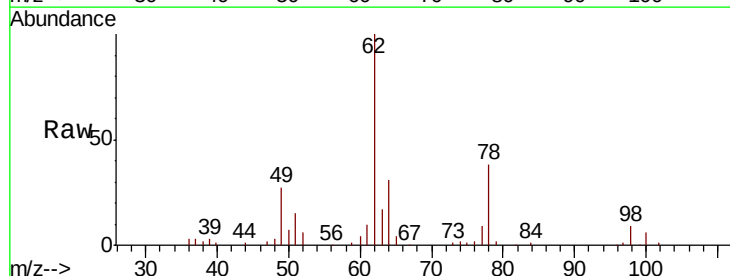
Instrument :
MSVOA_V
ClientSampleId :

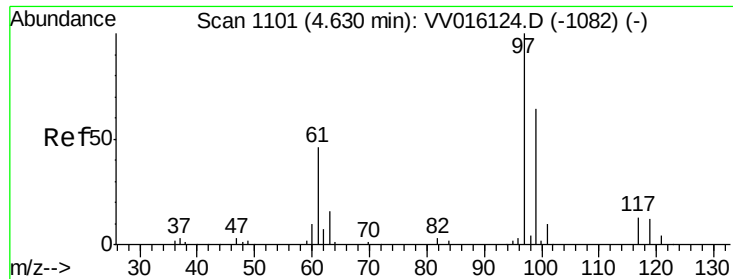
Tot Ion: 83 Resp: 11541
Ion Ratio Lower Upper
83 100
85 63.1 45.7 84.9



#27
1,2-Dichloroethane
Concen: 4.709 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VV016143.D
Acq: 20 May 2020 20:30

Tgt Ion: 62 Resp: 59507
Ion Ratio Lower Upper
62 100
98 8.9 6.7 10.1

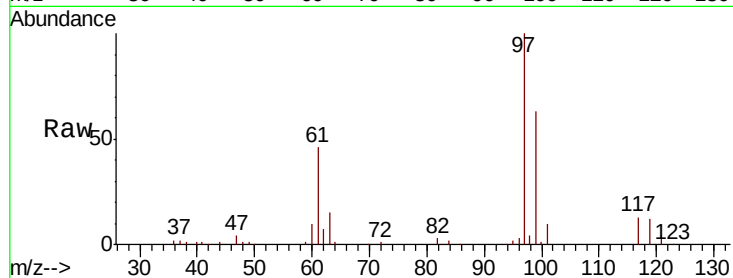




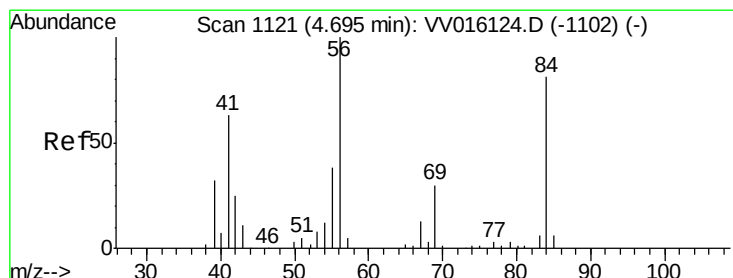
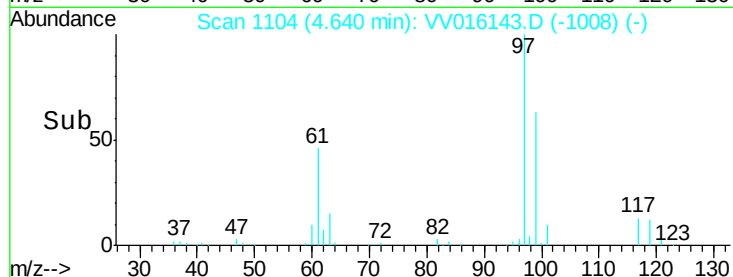
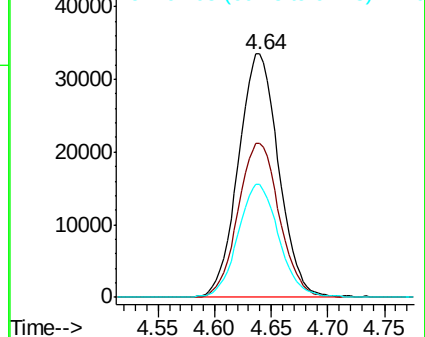
#29
1,1,1-Trichloroethane
Concen: 4.914 ug/L
RT: 4.64 min Scan# 1104
Delta R.T. 0.01 min
Lab File: VV016143.D
Acq: 20 May 2020 20:30

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 83208
Ion Ratio Lower Upper
97 100
99 64.8 50.7 76.1
61 47.1 38.8 58.2

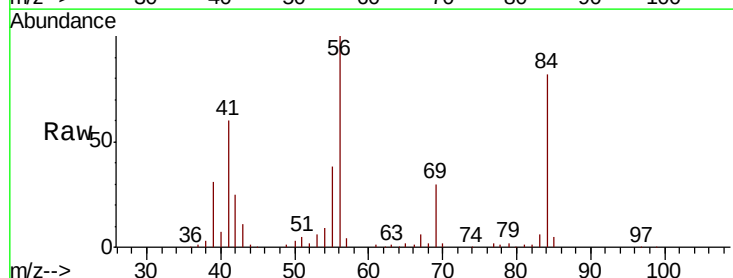


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

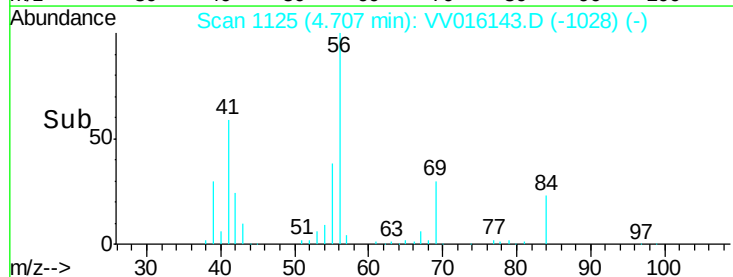
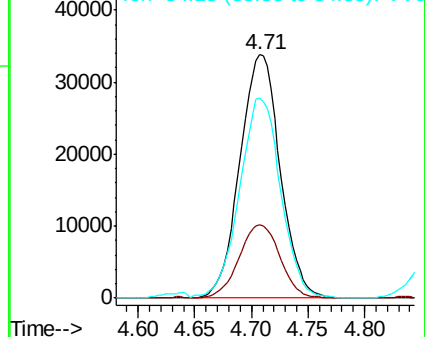


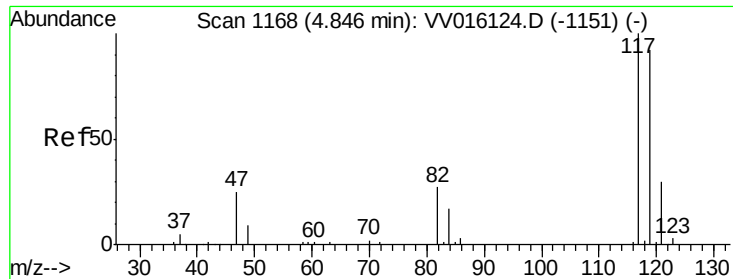
#30
Cyclohexane
Concen: 4.944 ug/L
RT: 4.71 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VV016143.D
Acq: 20 May 2020 20:30

Tgt Ion: 56 Resp: 83883
Ion Ratio Lower Upper
56 100
69 30.5 24.2 36.2
84 83.9 68.3 102.5



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: 4.702 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VV016143.D

Acq: 20 May 2020 20:30

Instrument :

MSVOA_V

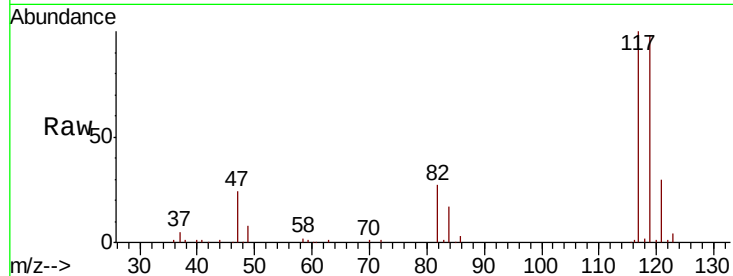
ClientSampleId :

Tot Ion:117 Resp: 68710

Ion Ratio Lower Upper

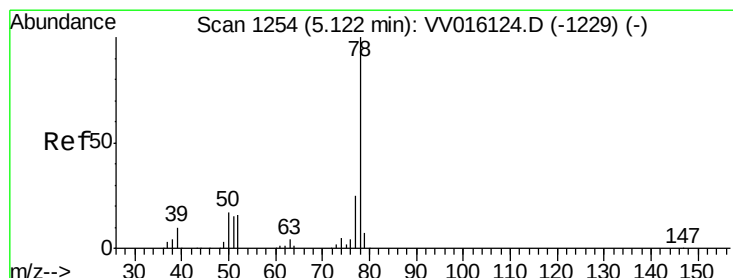
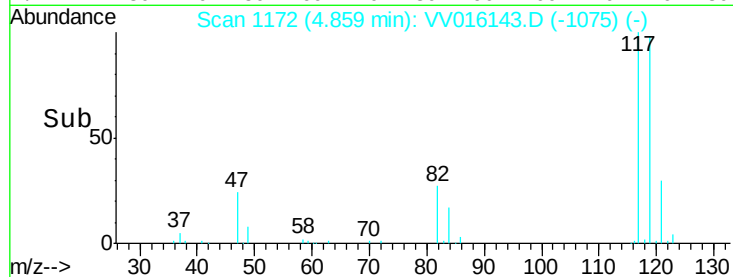
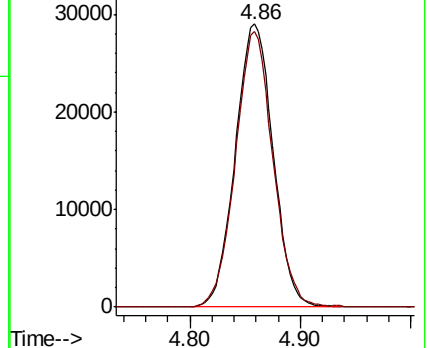
117 100

119 96.6 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.118 ug/L

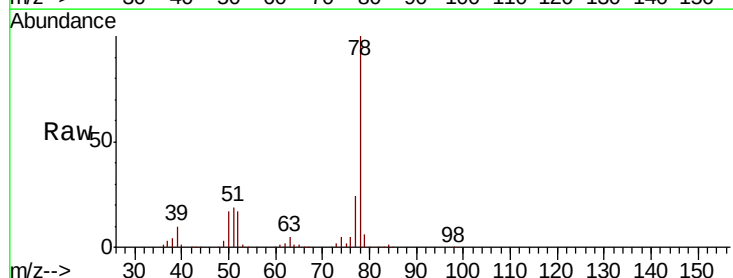
RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

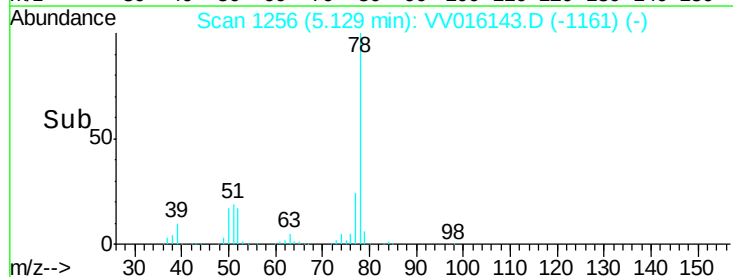
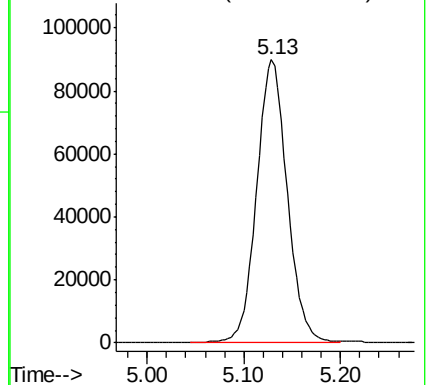
Lab File: VV016143.D

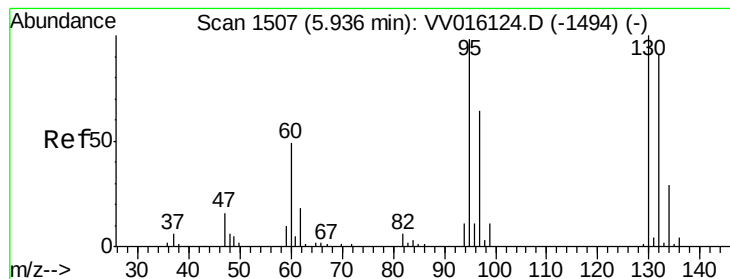
Acq: 20 May 2020 20:30

Tgt Ion: 78 Resp: 197710



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.732 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016143.D

Acq: 20 May 2020 20:30

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 52172

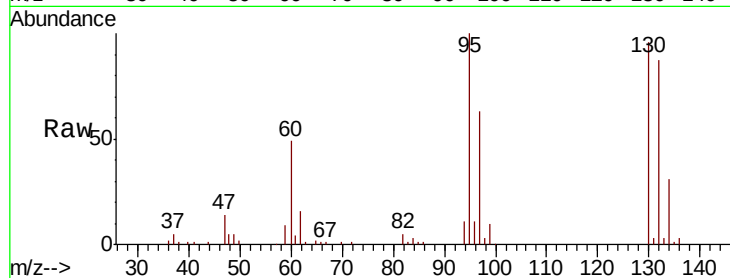
Ion Ratio Lower Upper

95 100

97 63.0 43.3 80.5

132 87.3 60.3 112.1

130 96.5 66.0 122.6

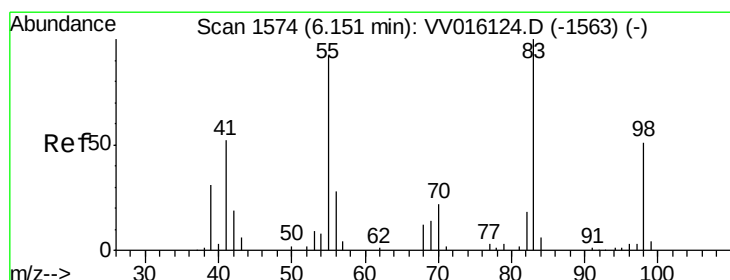
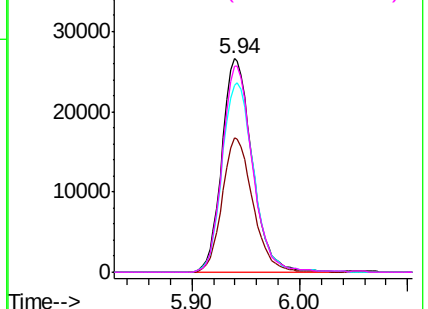
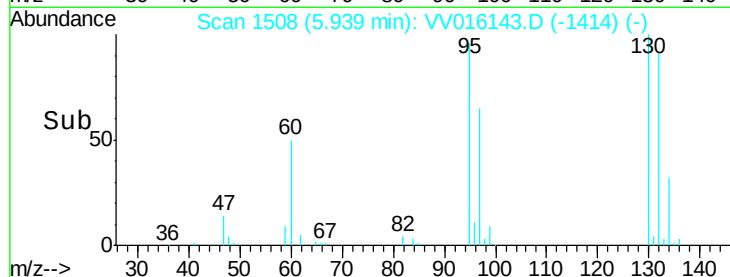


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.948 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VV016143.D

Acq: 20 May 2020 20:30

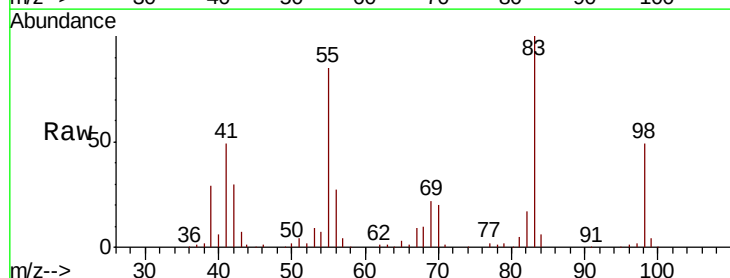
Tgt Ion: 83 Resp: 82533

Ion Ratio Lower Upper

83 100

55 83.7 66.2 99.2

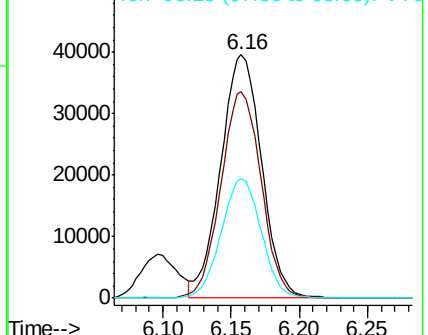
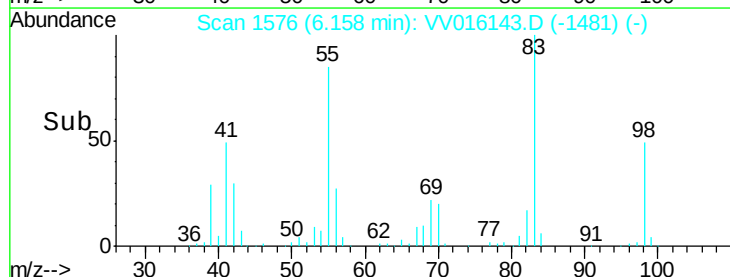
98 48.0 37.9 56.9

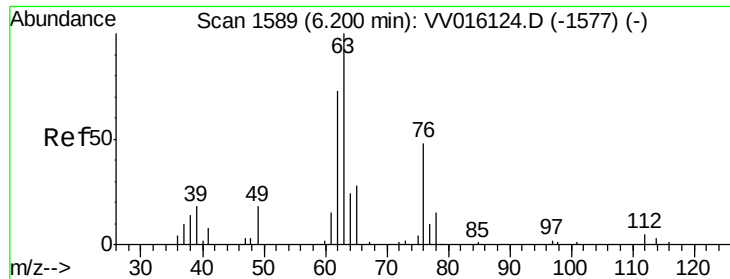


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

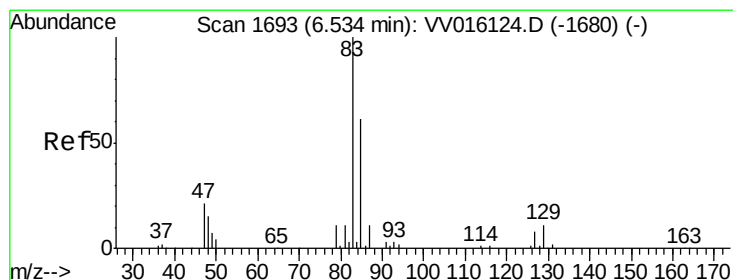
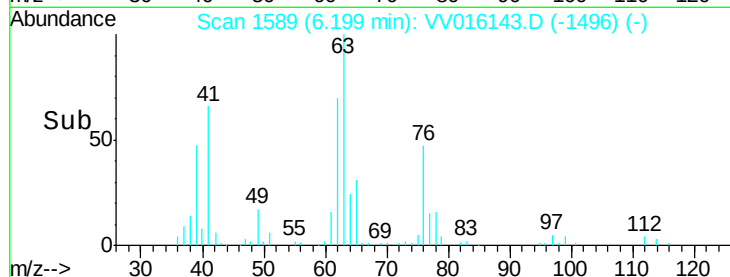
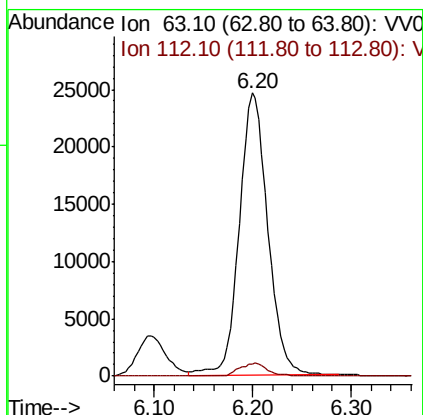
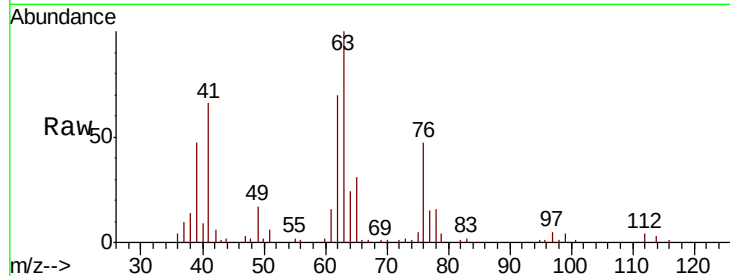




#37
 1,2-Dichloropropane
 Concen: 5.008 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: VV016143.D
 Acq: 20 May 2020 20:30

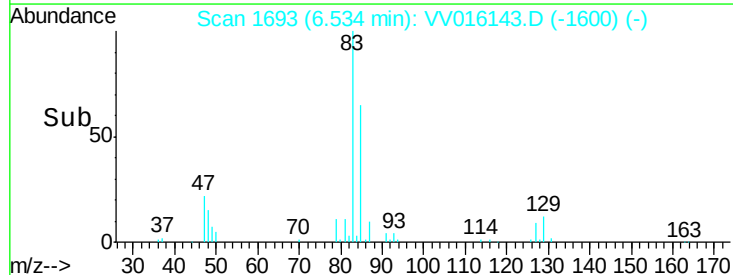
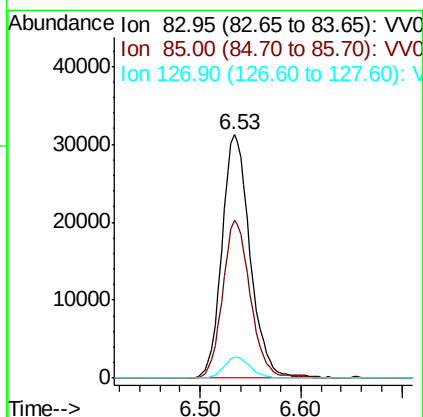
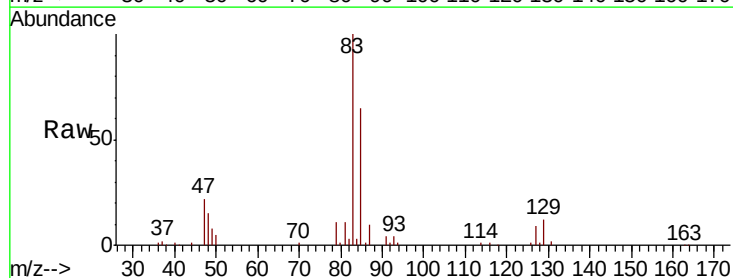
Instrument :
 MSVOA_V
 ClientSampled :

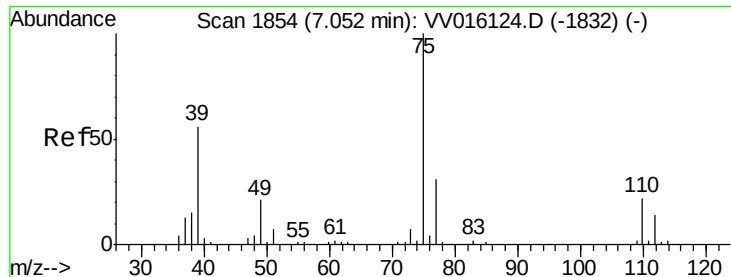
Tot Ion: 63 Resp: 49155
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.0



#38
 Bromodichloromethane
 Concen: 4.883 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV016143.D
 Acq: 20 May 2020 20:30

Tgt Ion: 83 Resp: 60861
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.5 84.5
 127 8.8 6.2 9.4

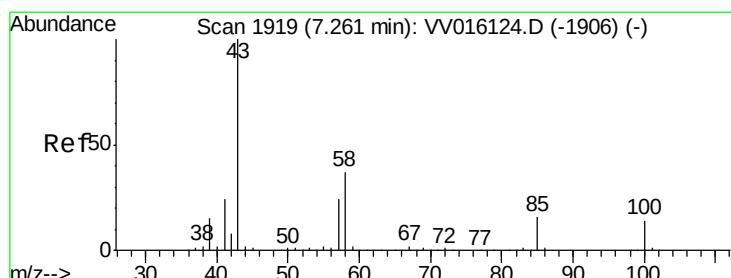
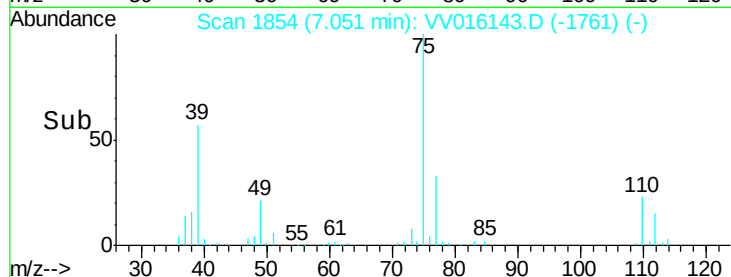
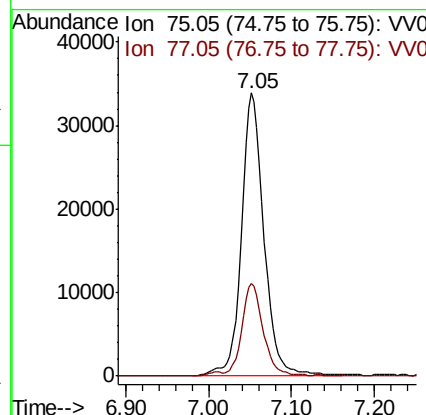
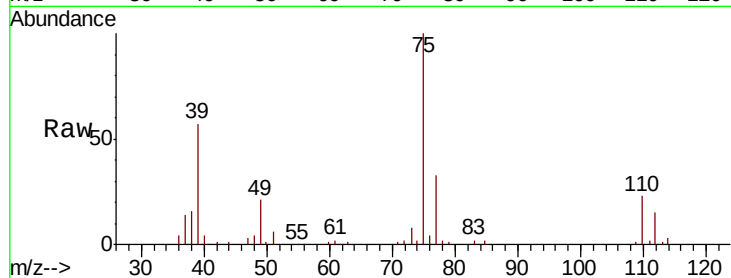




#39
 cis-1,3-Dichloropropene
 Concen: 4.667 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VV016143.D
 Acq: 20 May 2020 20:30

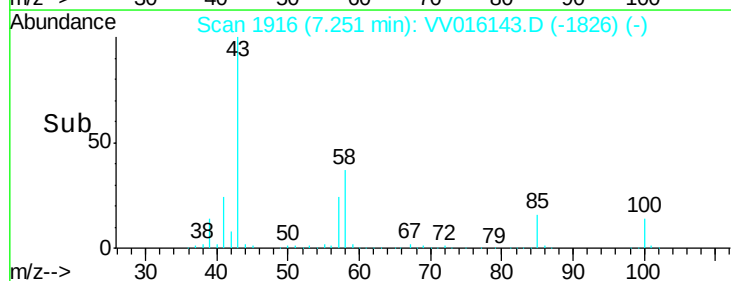
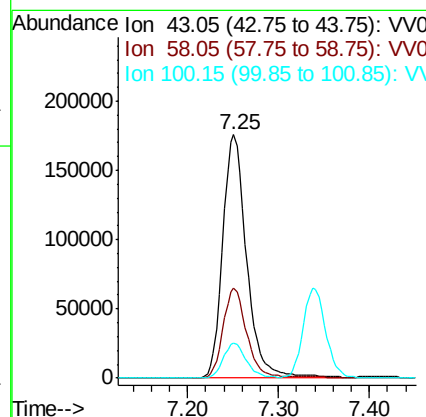
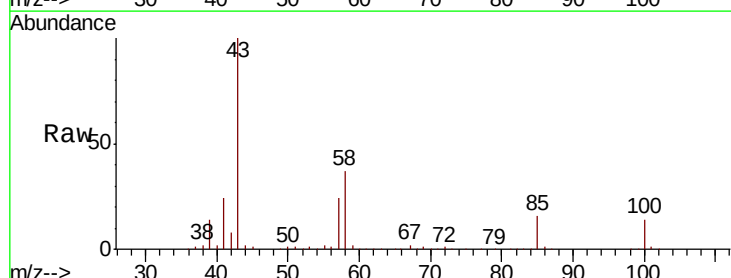
Instrument :
 MSVOA_V
 ClientSampleId :

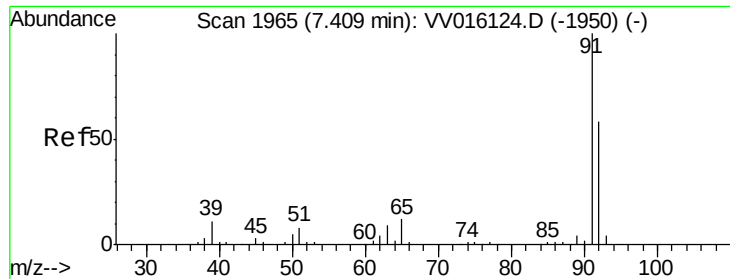
Tot Ion: 75 Resp: 64737
 Ion Ratio Lower Upper
 75 100
 77 32.8 21.3 39.5



#40
 4-Methyl-2-pentanone
 Concen: 52.694 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.01 min
 Lab File: VV016143.D
 Acq: 20 May 2020 20:30

Tgt Ion: 43 Resp: 322345
 Ion Ratio Lower Upper
 43 100
 58 36.3 29.0 43.4
 100 13.9 10.9 16.3





#42

Toluene

Concen: 5.260 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016143.D

Acq: 20 May 2020 20:30

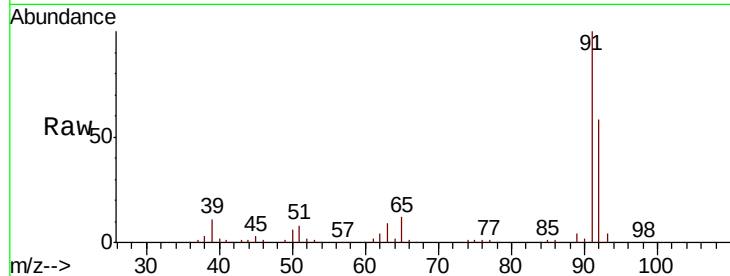
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 215370

Ion Ratio Lower Upper

91 100

92 57.5 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV016124.D (-1950) (-)

Ion 92.15 (91.85 to 92.85): VV016124.D (-1950) (-)

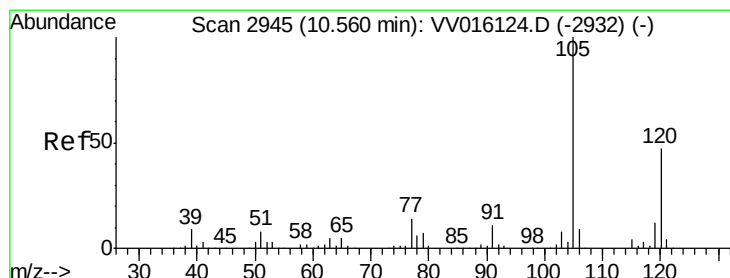
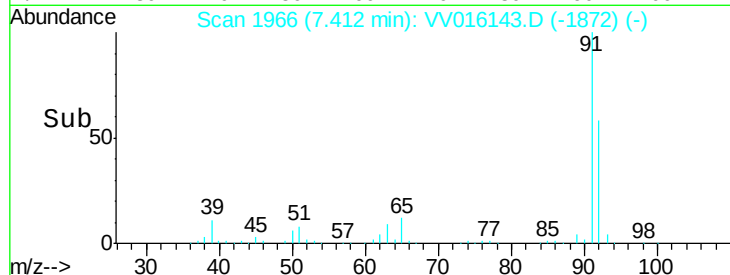
7.41

100000

50000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 5.479 ug/L

RT: 10.56 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VV016143.D

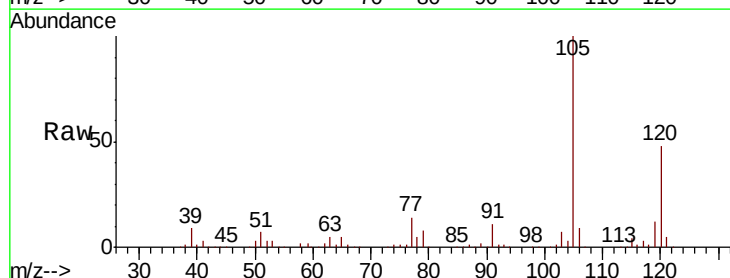
Acq: 20 May 2020 20:30

Tgt Ion: 105 Resp: 205969

Ion Ratio Lower Upper

105 100

120 47.8 0.0 0.0#



Abundance Ion 105.00 (104.70 to 105.70): VV016124.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV016124.D (-2932) (-)

10.56

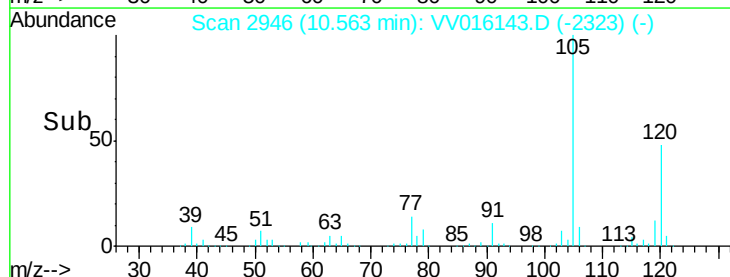
150000

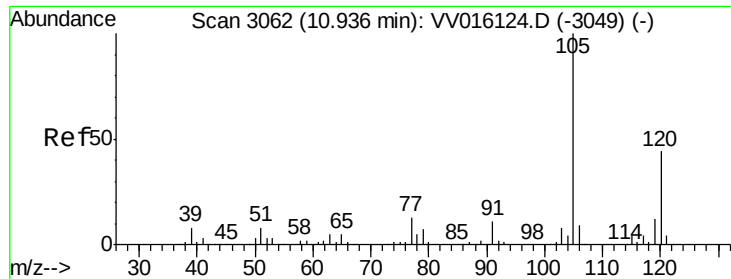
100000

50000

0

Time-->

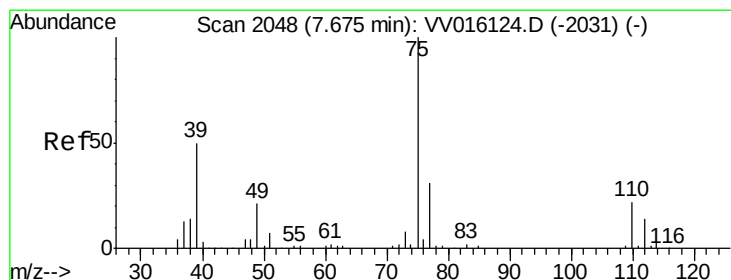
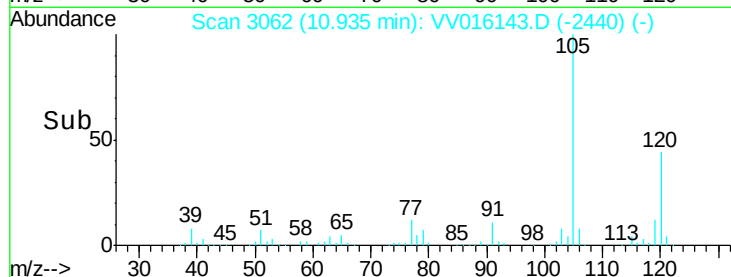
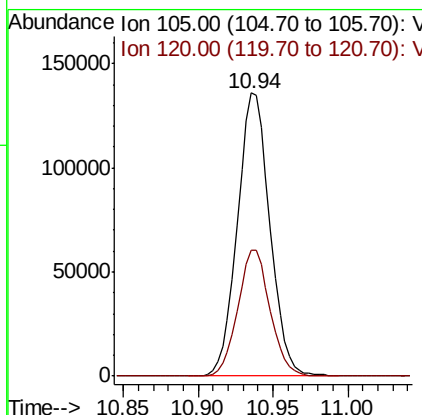
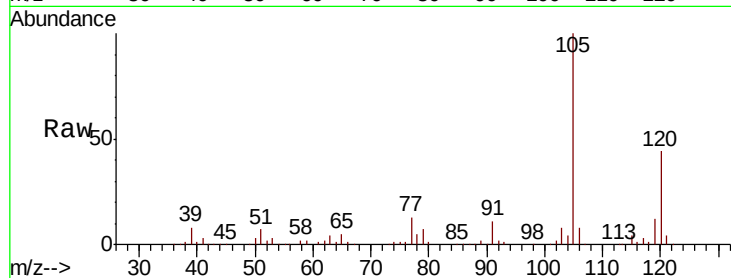




#44
 1,2,4-Trimethylbenzene
 Concen: 5.469 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV016143.D
 Acq: 20 May 2020 20:30

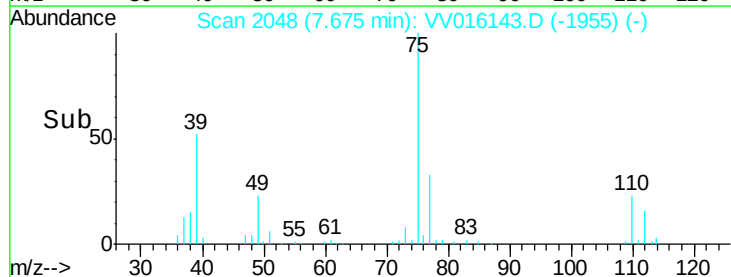
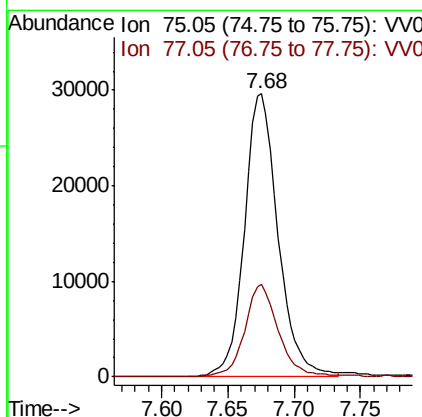
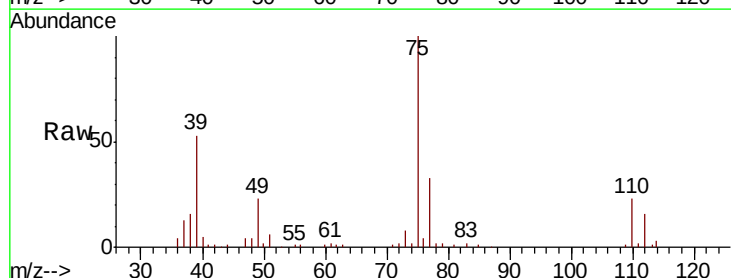
Instrument :
 MSVOA_V
 ClientSampled :

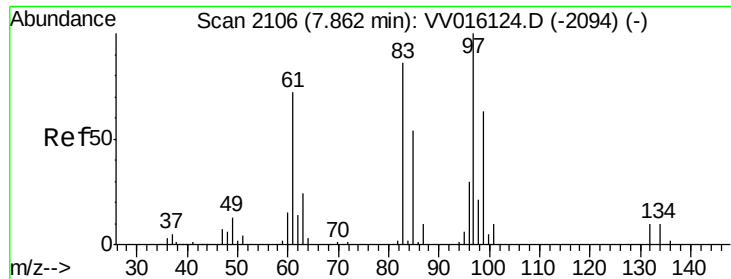
Tot Ion:105 Resp: 205447
 Ion Ratio Lower Upper
 105 100
 120 44.5 0.0 0.0#



#46
 trans-1,3-Dichloropropene
 Concen: 4.476 ug/L
 RT: 7.68 min Scan# 2048
 Delta R.T. -0.00 min
 Lab File: VV016143.D
 Acq: 20 May 2020 20:30

Tgt Ion: 75 Resp: 52450
 Ion Ratio Lower Upper
 75 100
 77 32.7 21.3 39.6

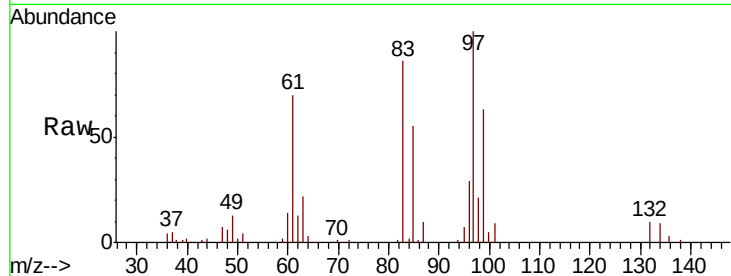




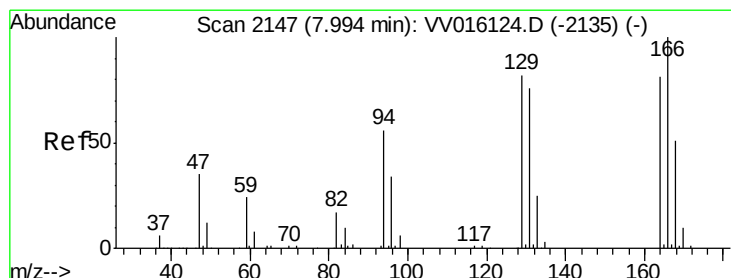
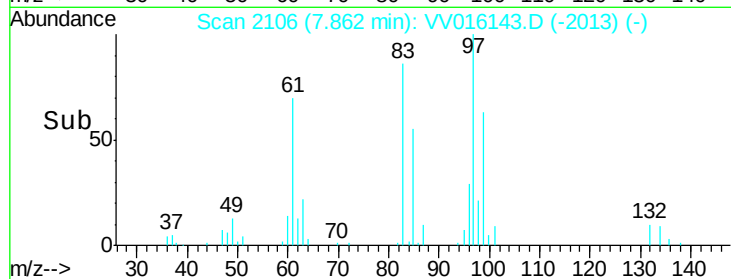
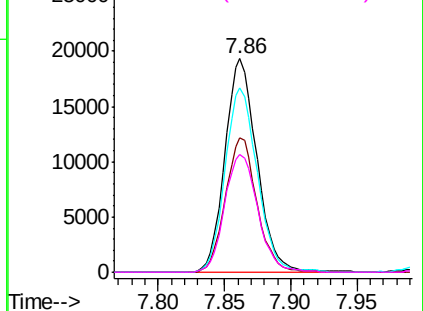
#47
 1,1,2-Trichloroethane
 Concen: 4.947 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV016143.D
 Acq: 20 May 2020 20:30

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	32422
Ion	Ratio	Lower	Upper
97	100		
99	63.2	42.1	78.1
83	86.1	59.2	110.0
85	54.9	38.6	71.8

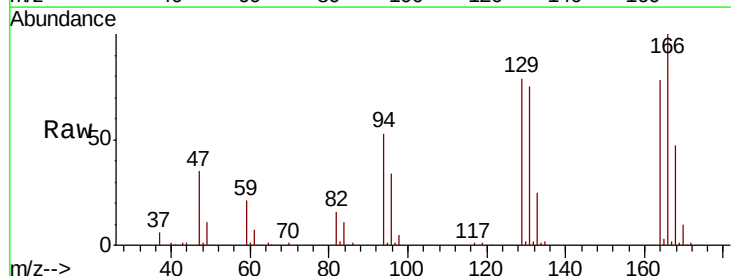


Abundance Ion 96.95 (96.65 to 97.65): VV016143.D (-2013) (-)
 Ion 99.05 (98.75 to 99.75): VV016143.D (-2013) (-)
 Ion 82.95 (82.65 to 83.65): VV016143.D (-2013) (-)
 Ion 85.00 (84.70 to 85.70): VV016143.D (-2013) (-)

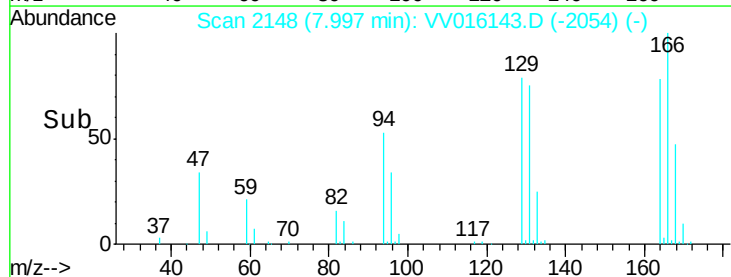
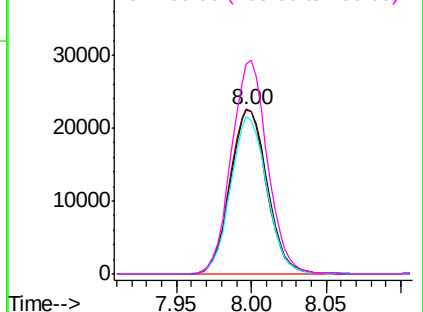


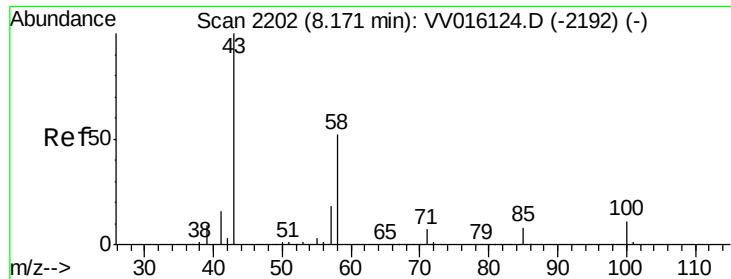
#49
 Tetrachloroethene
 Concen: 5.027 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV016143.D
 Acq: 20 May 2020 20:30

Tgt Ion:	164	Resp:	38672
Ion	Ratio	Lower	Upper
164	100		
129	100.6	69.7	129.4
131	95.8	66.8	124.2
166	128.1	89.1	165.5



Abundance Ion 163.90 (163.60 to 164.60): VV016143.D (-2054) (-)
 Ion 128.95 (128.65 to 129.65): VV016143.D (-2054) (-)
 Ion 130.95 (130.65 to 131.65): VV016143.D (-2054) (-)
 Ion 165.90 (165.60 to 166.60): VV016143.D (-2054) (-)

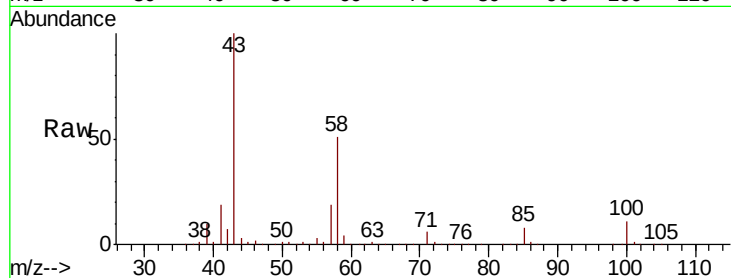




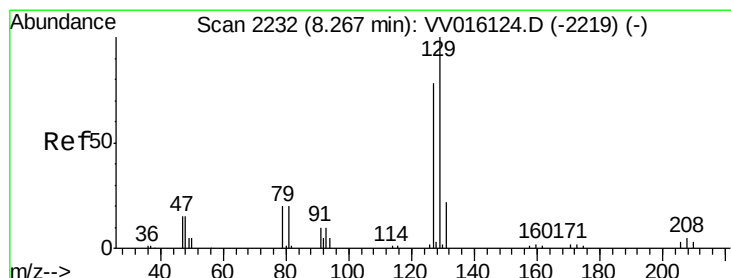
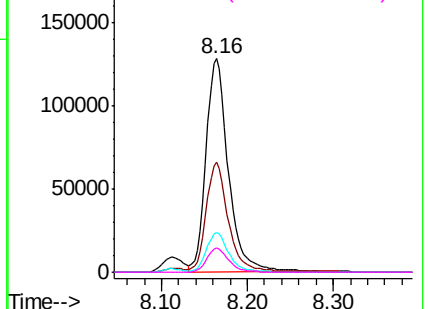
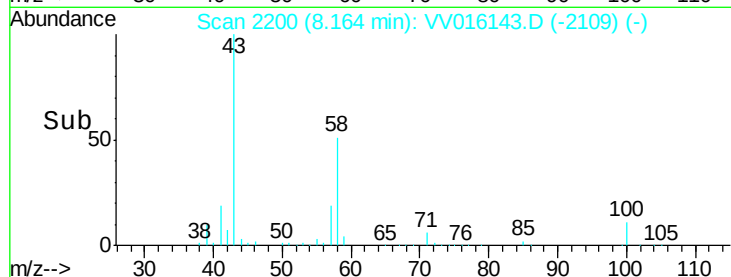
#50
2-Hexanone
Concen: 53.832 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.01 min
Lab File: VV016143.D
Acq: 20 May 2020 20:30

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 232874
Ion Ratio Lower Upper
43 100
58 51.4 40.8 61.2
57 18.2 14.7 22.1
100 11.2 9.0 13.6

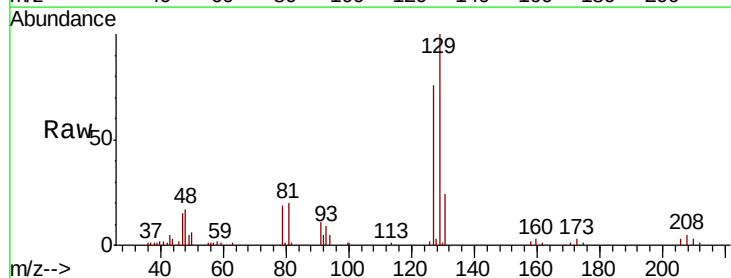


Abundance Ion 43.05 (42.75 to 43.75): VV016143.D (-2109) (-)
Ion 58.05 (57.75 to 58.75): VV016143.D (-2109) (-)
Ion 57.20 (56.90 to 57.90): VV016143.D (-2109) (-)
Ion 100.15 (99.85 to 100.85): VV016143.D (-2109) (-)

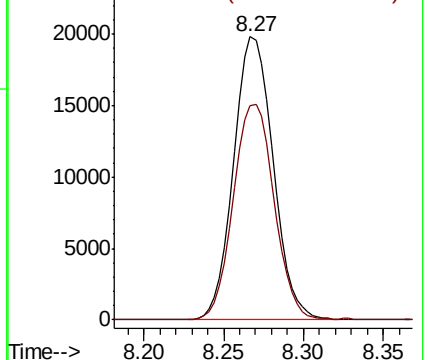
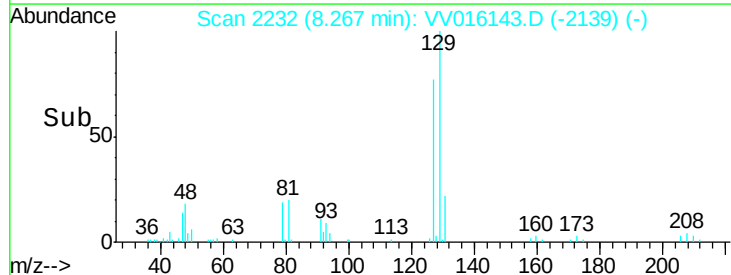


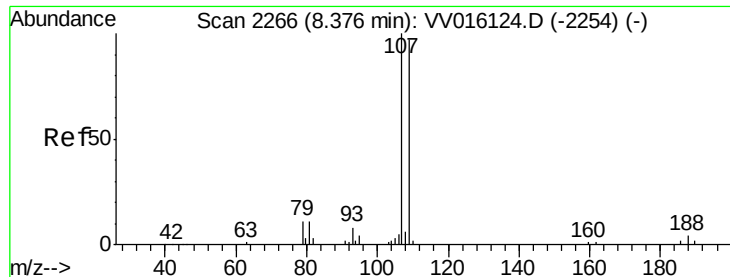
#51
Dibromochloromethane
Concen: 4.544 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV016143.D
Acq: 20 May 2020 20:30

Tgt Ion: 129 Resp: 33466
Ion Ratio Lower Upper
129 100
127 75.9 56.0 104.0



Abundance Ion 128.95 (128.65 to 129.65): VV016143.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV016143.D (-2139) (-)





#52

1,2-Dibromoethane

Concen: 5.045 ug/L

RT: 8.38 min Scan# 2266

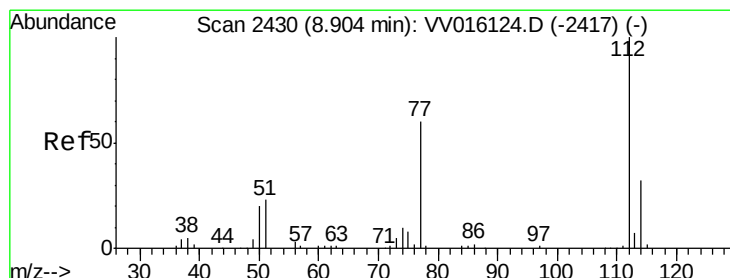
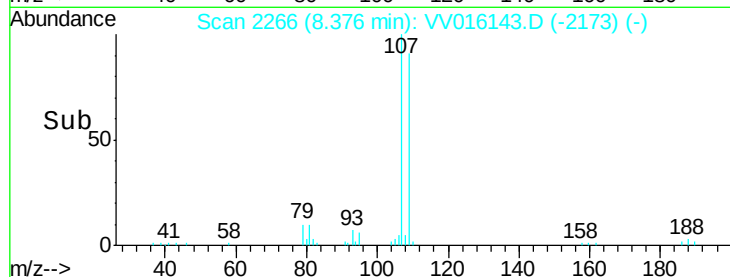
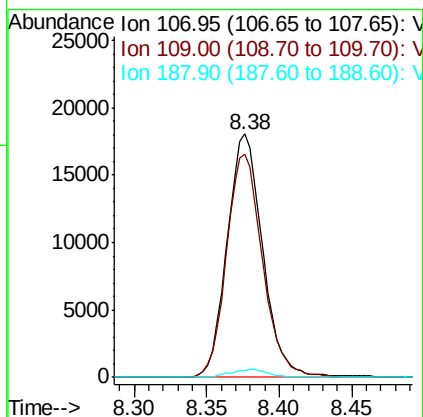
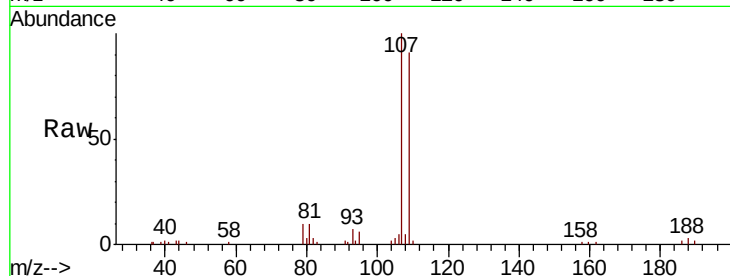
Delta R.T. -0.00 min

Lab File: VV016143.D

Acq: 20 May 2020 20:30

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	107	Resp:	30668
Ion	Ratio	Lower	Upper
107	100		
109	91.5	68.9	127.9
188	3.0	2.7	4.1



#53

Chlorobenzene

Concen: 5.181 ug/L

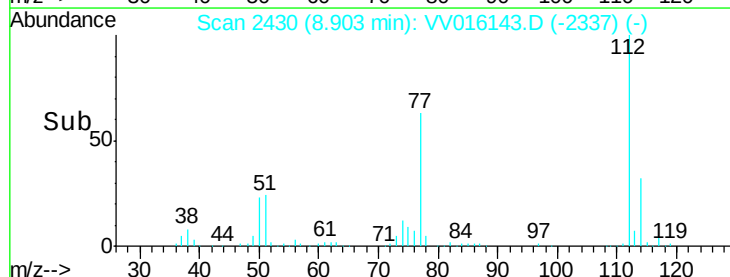
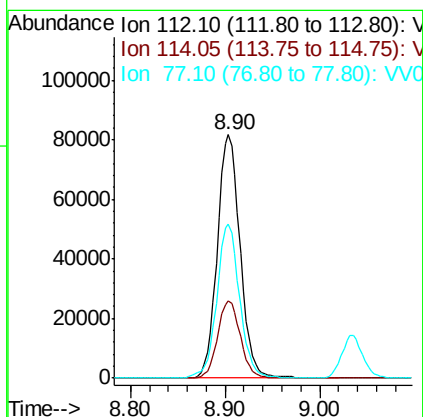
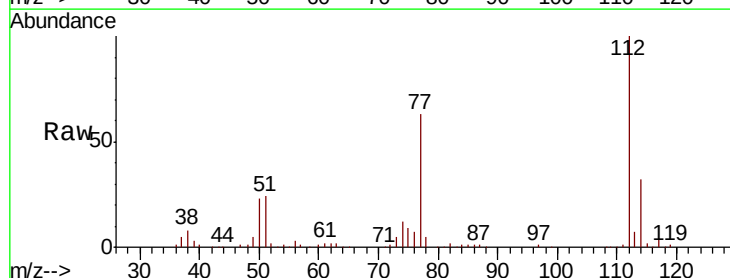
RT: 8.90 min Scan# 2430

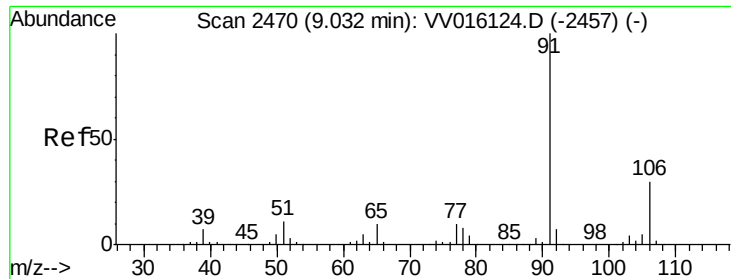
Delta R.T. -0.00 min

Lab File: VV016143.D

Acq: 20 May 2020 20:30

Tgt Ion:	112	Resp:	136428
Ion	Ratio	Lower	Upper
112	100		
114	31.7	21.6	40.0
77	63.5	48.6	73.0

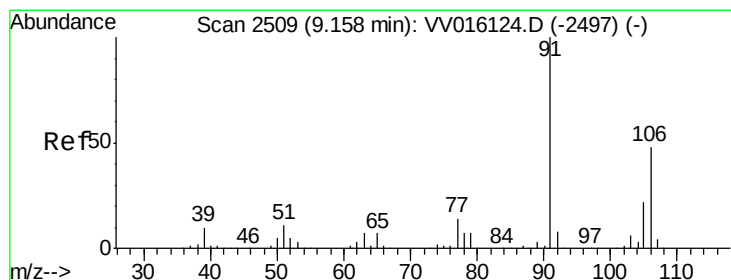
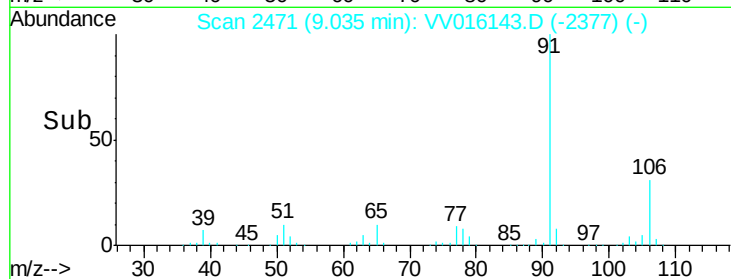
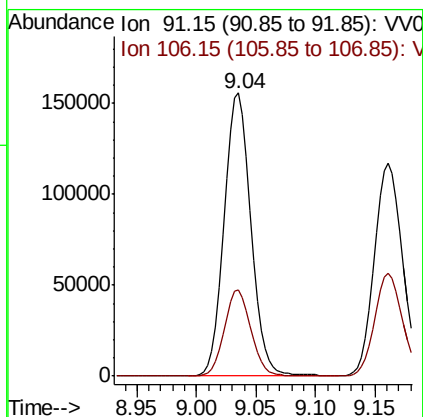
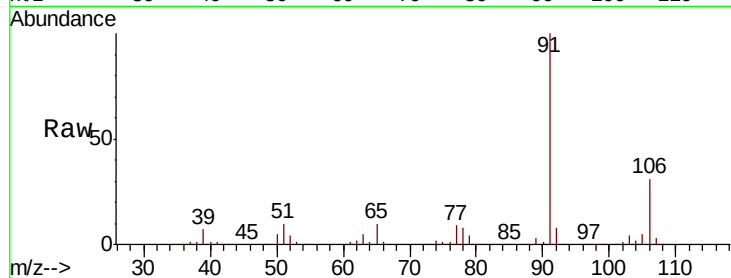




#54
Ethylbenzene
Concen: 5.223 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV016143.D
Acq: 20 May 2020 20:30

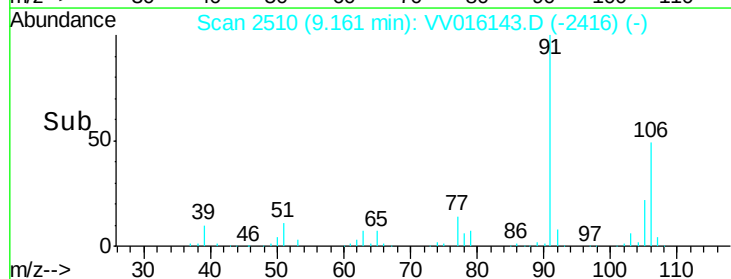
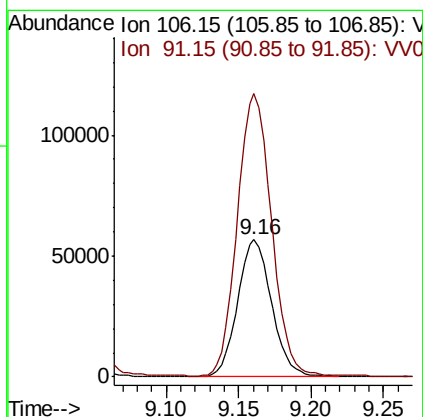
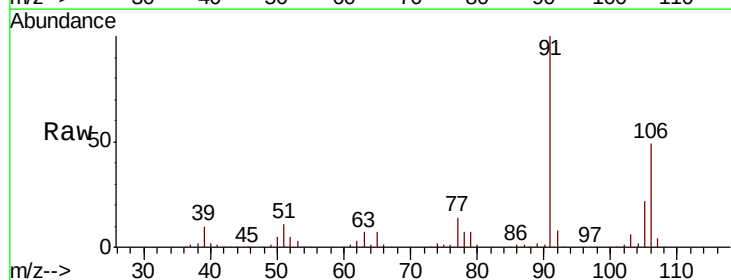
Instrument :
MSVOA_V
ClientSampleId :

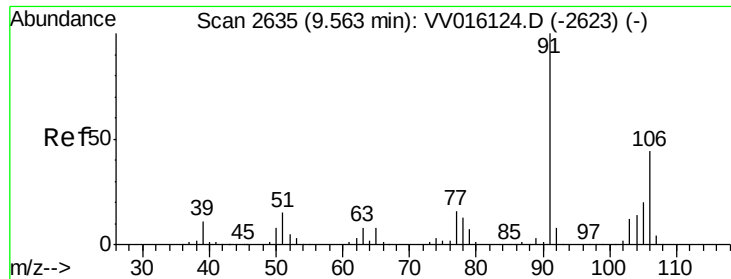
Tot Ion: 91 Resp: 243170
Ion Ratio Lower Upper
91 100
106 30.5 20.6 38.4



#55
m,p-xylene
Concen: 5.334 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV016143.D
Acq: 20 May 2020 20:30

Tgt Ion: 106 Resp: 91955
Ion Ratio Lower Upper
106 100
91 206.1 149.9 278.3

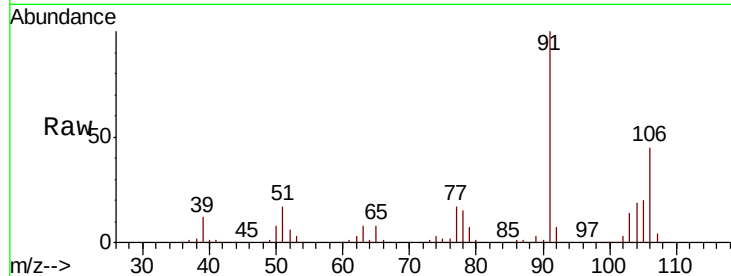




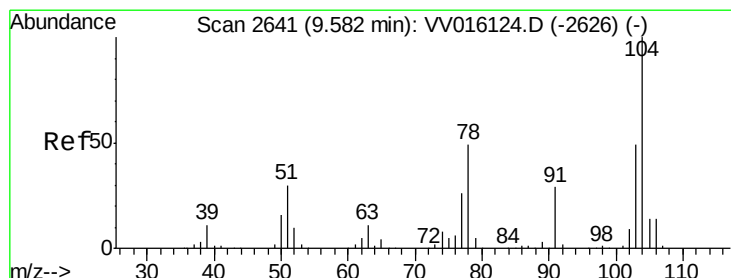
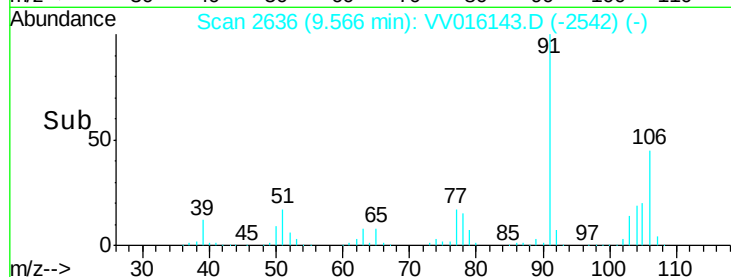
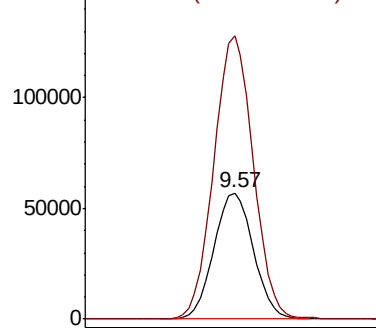
#56
o-xylene
Concen: 5.366 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016143.D
Acq: 20 May 2020 20:30

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 88443
Ion Ratio Lower Upper
106 100
91 223.7 159.7 296.5

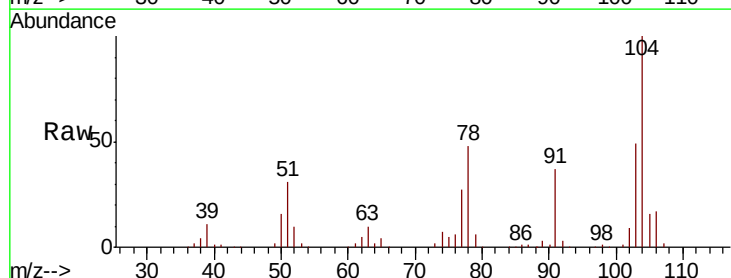


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

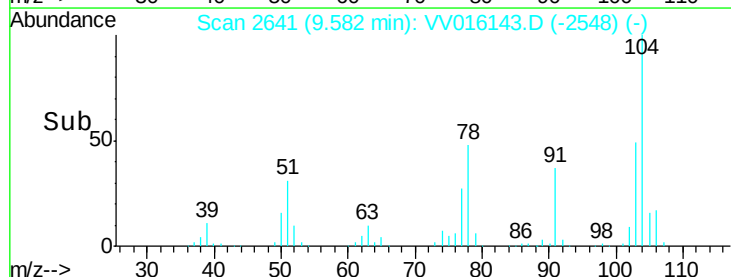
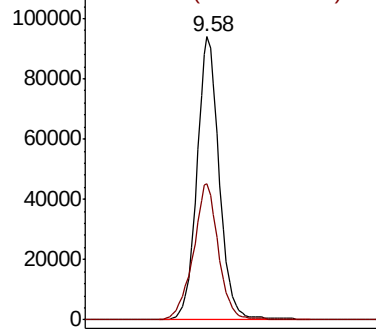


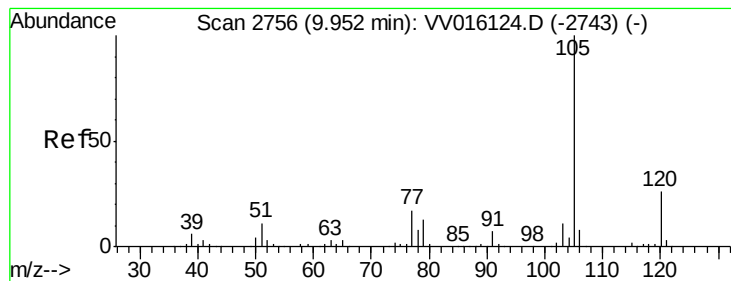
#57
Styrene
Concen: 5.413 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV016143.D
Acq: 20 May 2020 20:30

Tgt Ion:104 Resp: 149244
Ion Ratio Lower Upper
104 100
78 48.2 33.9 63.0



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





#58

Isopropylbenzene

Concen: 5.380 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV016143.D

Acq: 20 May 2020 20:30

Instrument :

MSVOA_V

ClientSampleId :

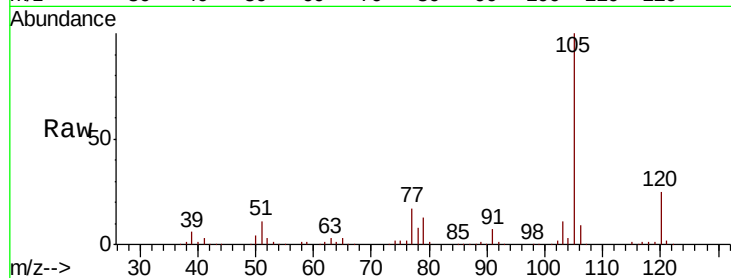
Tot Ion:105 Resp: 243647

Ion Ratio Lower Upper

105 100

120 25.6 20.8 31.2

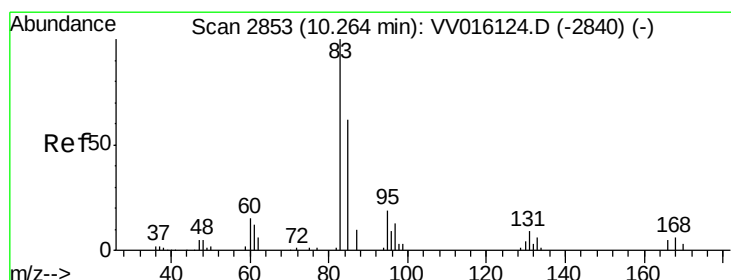
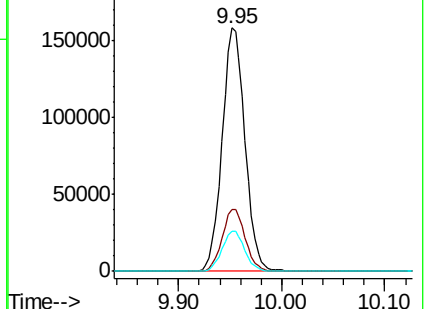
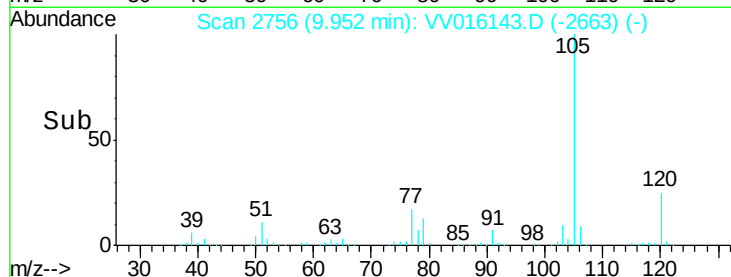
77 16.6 14.1 21.1



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



#60

1,1,2,2-Tetrachloroethane

Concen: 5.732 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV016143.D

Acq: 20 May 2020 20:30

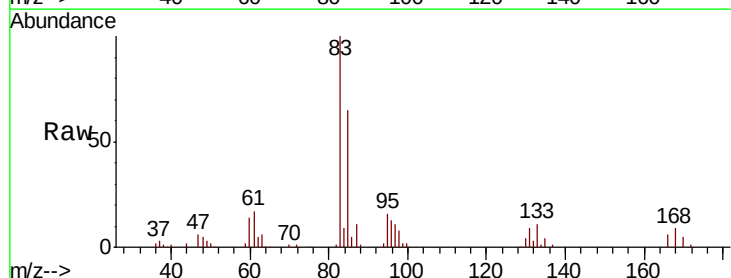
Tgt Ion: 83 Resp: 40146

Ion Ratio Lower Upper

83 100

85 64.6 44.0 81.6

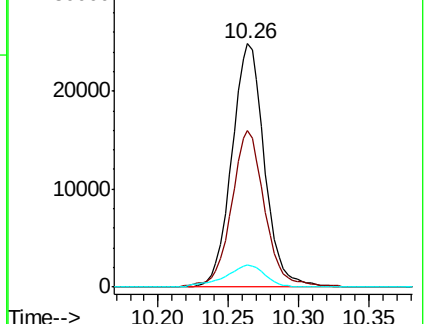
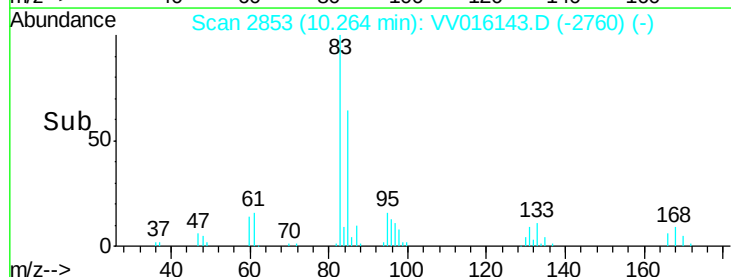
131 9.0 7.7 11.5

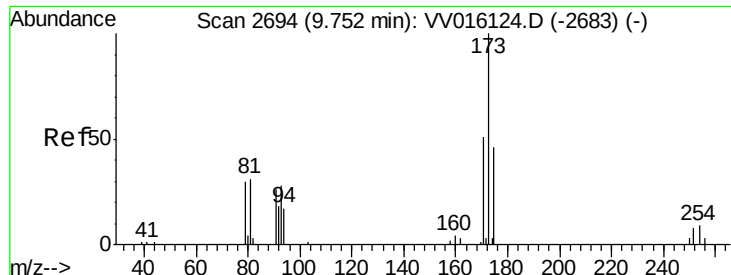


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 3.926 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV016143.D

Acq: 20 May 2020 20:30

Instrument :
MSVOA_V
ClientSampled :

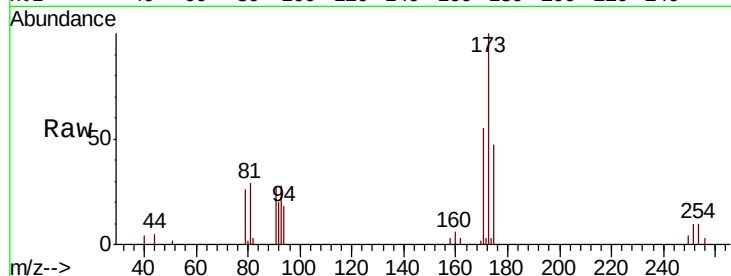
Tot Ion:173 Resp: 14264

Ion Ratio Lower Upper

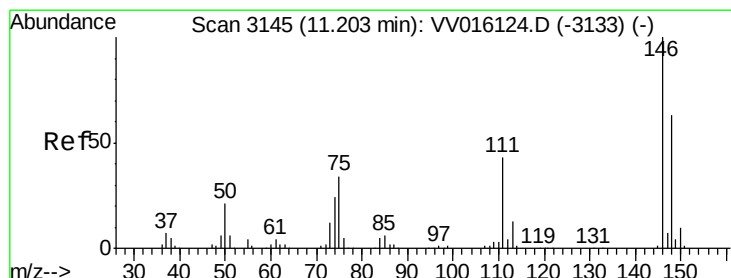
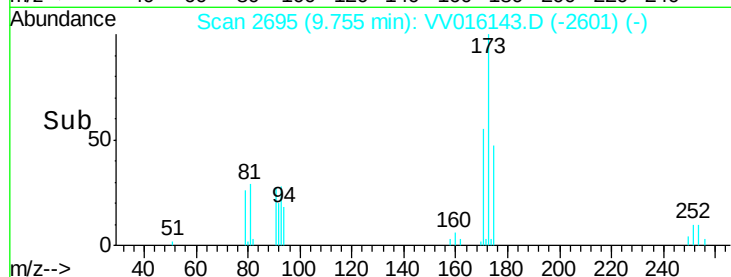
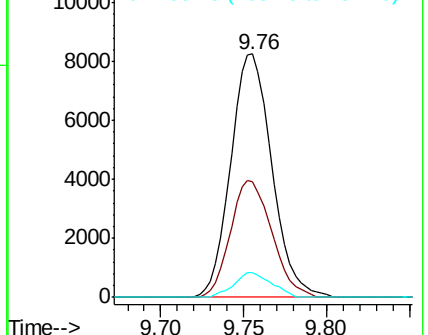
173 100

175 48.2 39.8 59.8

254 9.3 7.1 10.7



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 5.184 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016143.D

Acq: 20 May 2020 20:30

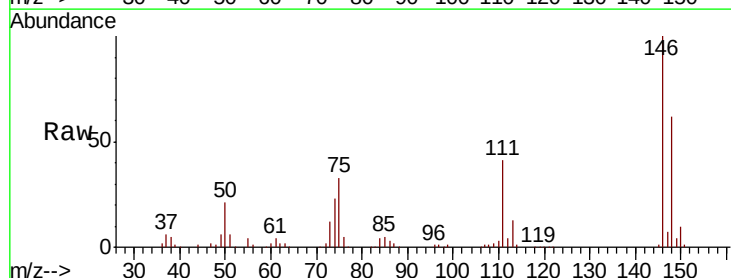
Tgt Ion:146 Resp: 110459

Ion Ratio Lower Upper

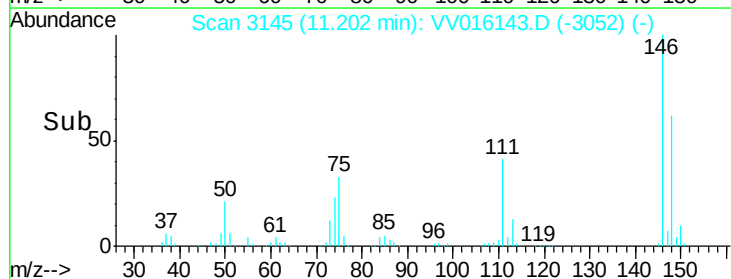
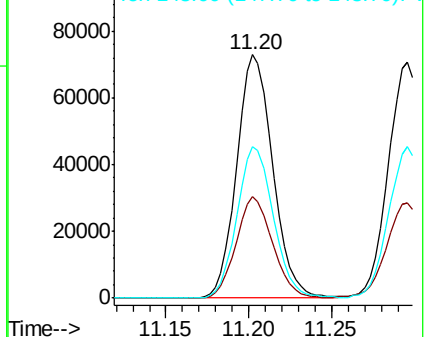
146 100

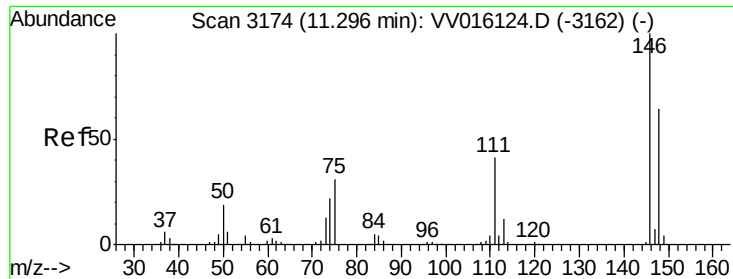
111 41.5 28.7 53.3

148 62.3 44.0 81.8



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





#64

1,4-Dichlorobenzene

Concen: 5.115 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV016143.D

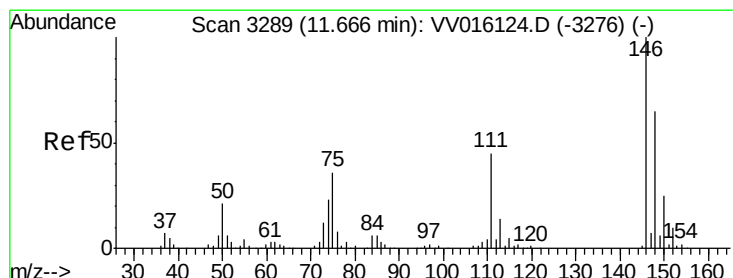
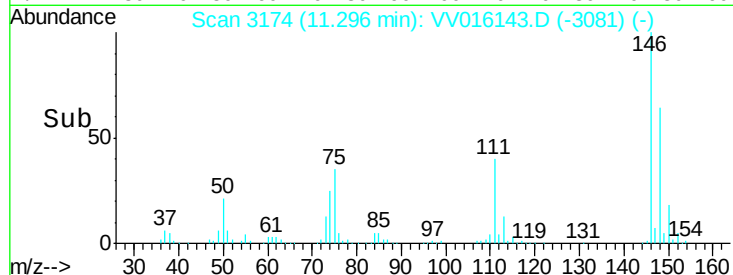
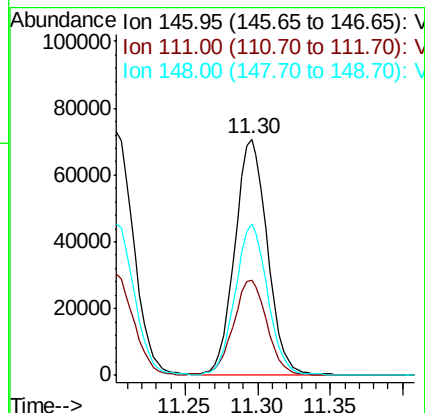
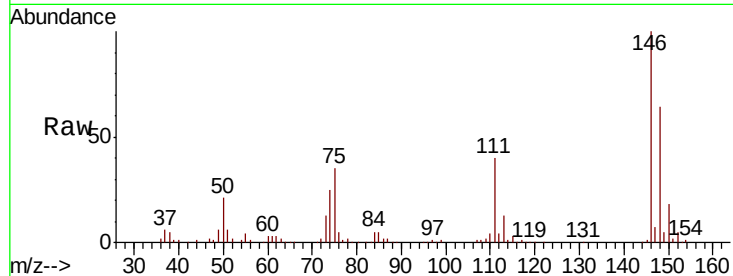
Acq: 20 May 2020 20:30

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146	Resp:	109481
Ion	Ratio	Lower Upper
146	100	
111	40.4	28.9 53.7
148	64.1	44.6 82.8



#66

1,2-Dichlorobenzene

Concen: 5.220 ug/L

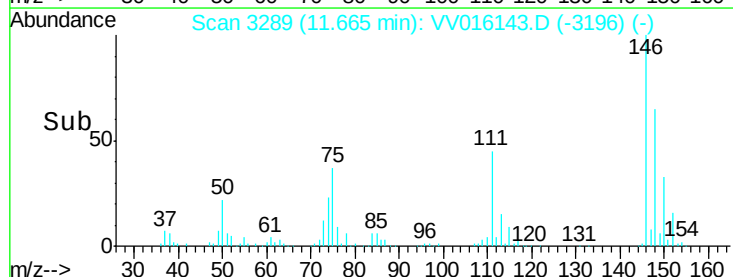
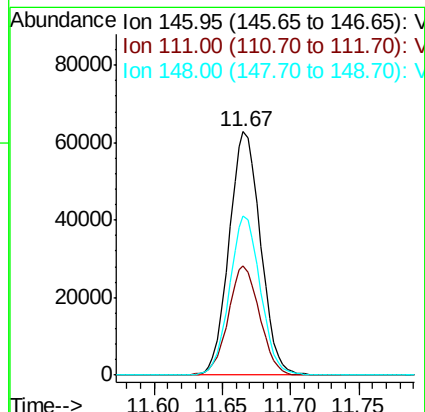
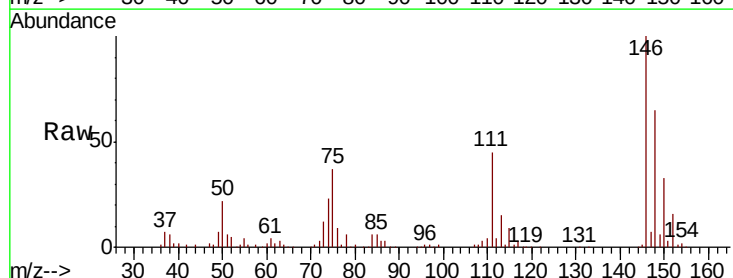
RT: 11.67 min Scan# 3289

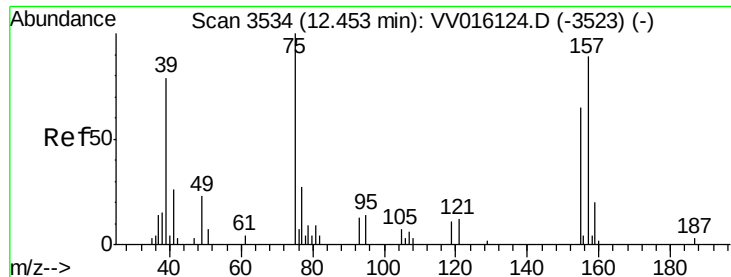
Delta R.T. -0.00 min

Lab File: VV016143.D

Acq: 20 May 2020 20:30

Tgt Ion:146	Resp:	100647
Ion	Ratio	Lower Upper
146	100	
111	45.0	37.0 55.4
148	65.2	49.8 74.6





#67

1,2-Dibromo-3-chloropropane

Concen: 5.214 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. -0.00 min

Lab File: VV016143.D

Acq: 20 May 2020 20:30

Instrument :

MSVOA_V

ClientSampled :

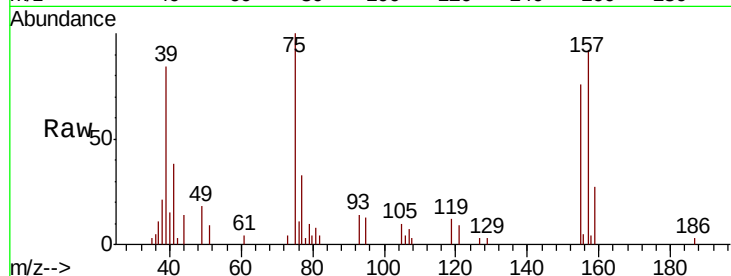
Tot Ion: 75 Resp: 6562

Ion Ratio Lower Upper

75 100

155 75.5 58.2 87.4

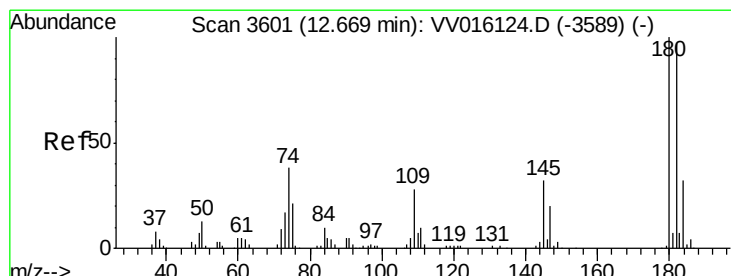
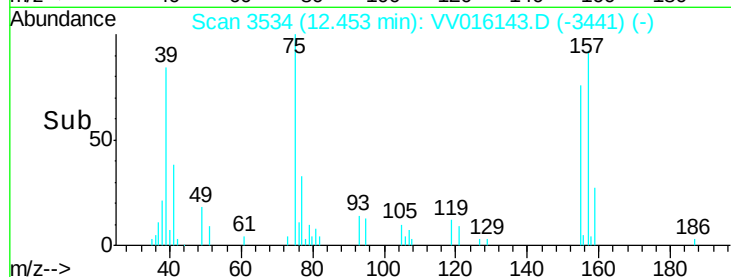
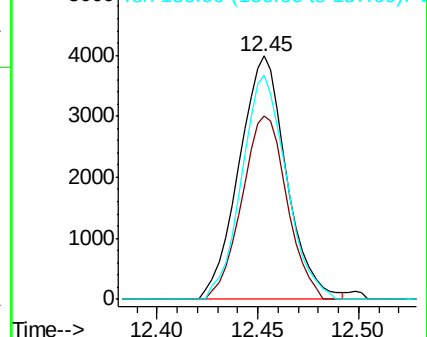
157 92.2 79.4 119.2



Abundance Ion 75.05 (74.75 to 75.75): VV016143.D (-3441) (-)

Ion 154.95 (154.65 to 155.65): VV016143.D (-3441) (-)

Ion 156.90 (156.60 to 157.60): VV016143.D (-3441) (-)



#68

1,3,5-Trichlorobenzene

Concen: 4.988 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VV016143.D

Acq: 20 May 2020 20:30

Tgt Ion: 180 Resp: 77700

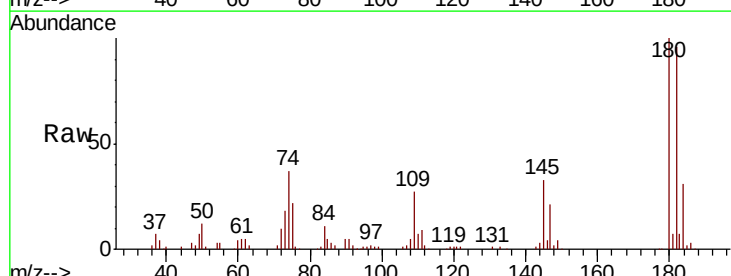
Ion Ratio Lower Upper

180 100

182 97.2 75.8 113.6

184 31.1 24.6 36.8

145 33.3 26.0 39.0

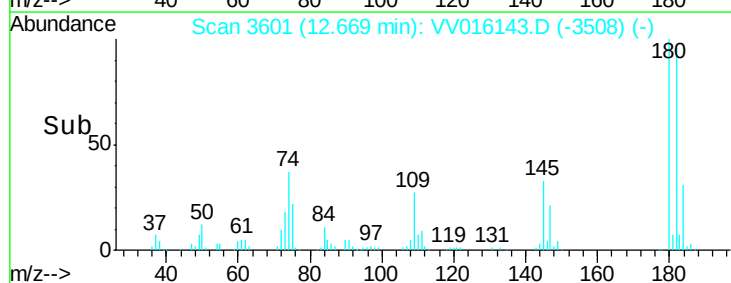
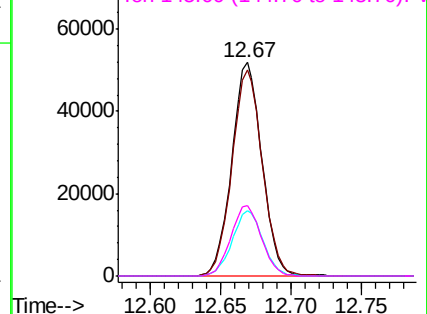


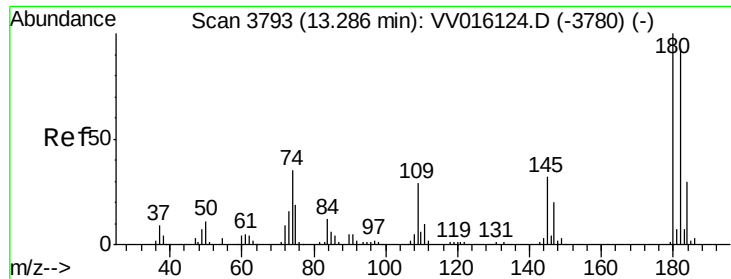
Abundance Ion 180.00 (179.70 to 180.70): VV016143.D (-3508) (-)

Ion 182.00 (181.70 to 182.70): VV016143.D (-3508) (-)

Ion 184.00 (183.70 to 184.70): VV016143.D (-3508) (-)

Ion 145.00 (144.70 to 145.70): VV016143.D (-3508) (-)

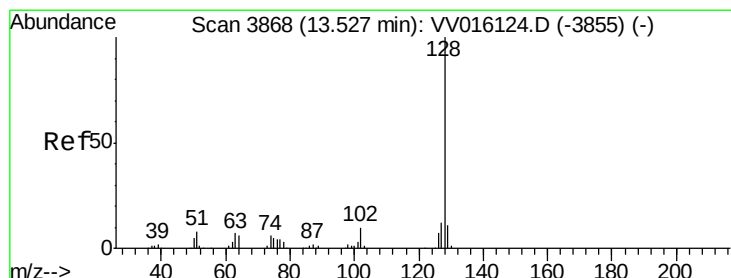
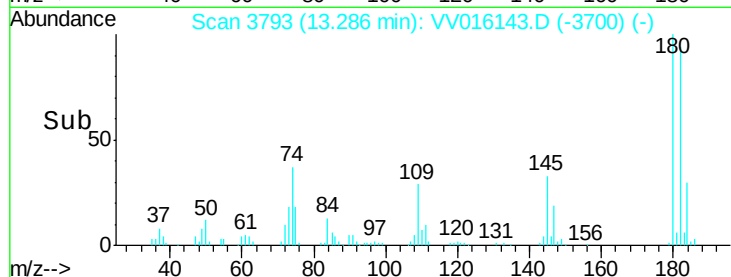
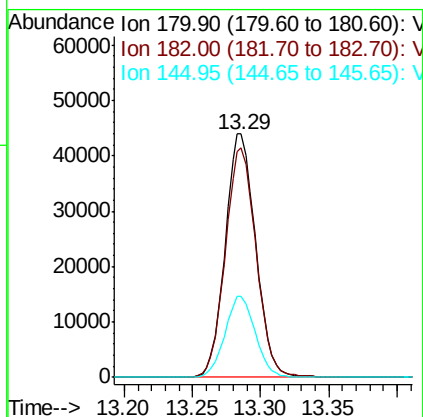
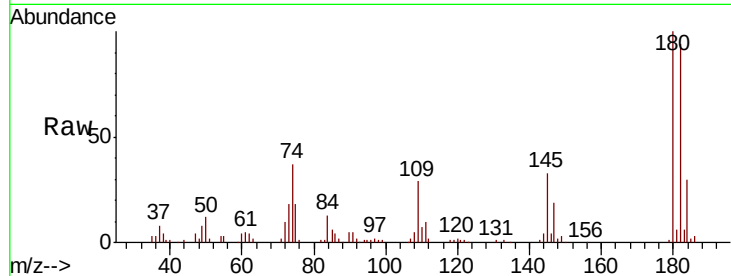




#69
 1,2,4-trichlorobenzene
 Concen: 5.089 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV016143.D
 Acq: 20 May 2020 20:30

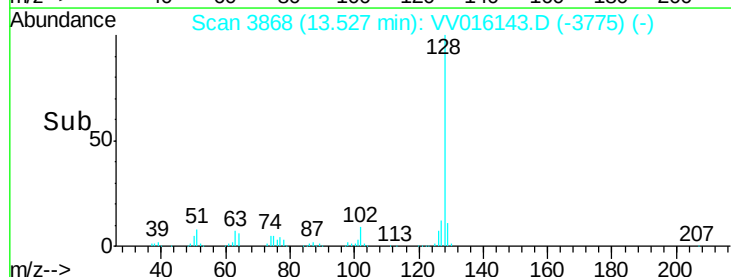
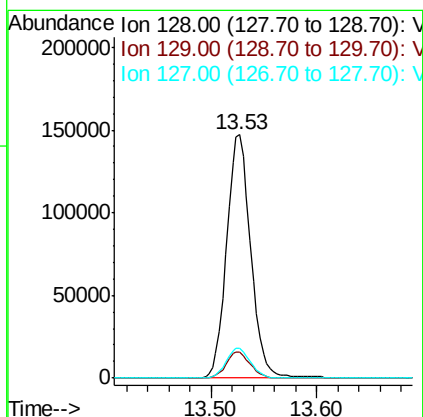
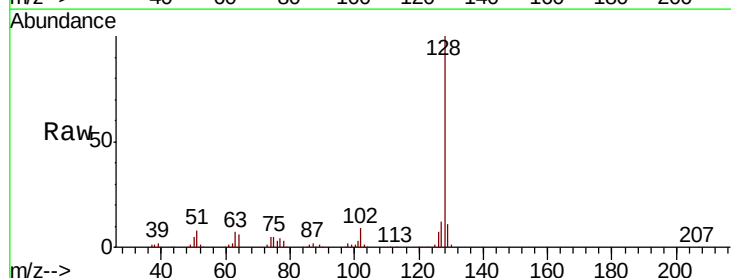
Instrument :
 MSVOA_V
 ClientSampled :

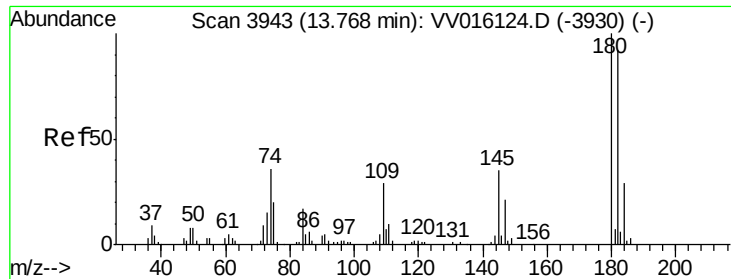
Tot Ion:180 Resp: 68114
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.7 115.1
 145 33.2 26.4 39.6



#70
 Naphthalene
 Concen: 10.926 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. -0.00 min
 Lab File: VV016143.D
 Acq: 20 May 2020 20:30

Tgt Ion:128 Resp: 232592
 Ion Ratio Lower Upper
 128 100
 129 10.8 8.5 12.7
 127 12.4 10.2 15.2

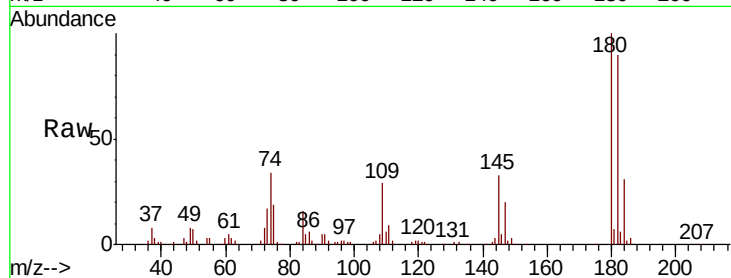




#71
 1,2,3-Trichlorobenzene
 Concen: 5.314 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV016143.D
 Acq: 20 May 2020 20:30

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	180	Resp	62747
Ion Ratio	Lower	Upper	
180	100		
182	91.4	77.0	115.6
145	34.1	28.3	42.5



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

