

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060320\
 Data File : VV016495.D
 Acq On : 04 Jun 2020 07:10
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 04 07:41:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 04 05:34:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	371972	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	358593	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	185786	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	111886	42.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.94%
7) Chloroethane-d5	1.57	69	84681	44.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.04%
11) 1,1-Dichloroethene-d2	2.12	63	209156	44.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.56%
21) 2-Butanone-d5	3.89	46	189764	112.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.64%
24) Chloroform-d	4.38	84	244369	49.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.84%
26) 1,2-Dichloroethane-d4	5.05	65	163953	49.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.04%
32) Benzene-d6	5.08	84	474228	49.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.74%
36) 1,2-Dichloropropane-d6	6.09	67	146168	48.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.68%
41) Toluene-d8	7.34	98	435263	49.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.78%
43) trans-1,3-Dichloropropene-	7.64	79	69125	47.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.78%
47) 2-Hexanone-d5	8.11	63	144653	112.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.85%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	207257	51.06	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.12%
64) 1,2-Dichlorobenzene-d4	11.65	152	178005	50.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	149223	48.622	ug/L 99
3) Chloromethane	1.25	50	153167	51.797	ug/L 99
5) Vinyl chloride	1.32	62	138950	48.633	ug/L 98
6) Bromomethane	1.52	94	70734	47.590	ug/L 99
8) Chloroethane	1.59	64	78653	49.122	ug/L 96
9) Trichlorofluoromethane	1.76	101	204332	49.524	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	101764	47.420	ug/L 98
12) 1,1-Dichloroethene	2.13	96	97472	47.199	ug/L 91
13) Acetone	2.17	43	113898	72.340	ug/L 99
14) Carbon disulfide	2.31	76	344707	48.213	ug/L 100
15) Methyl Acetate	2.44	43	149940	51.813	ug/L 99
16) Methylene chloride	2.52	84	138544	47.587	ug/L 96
17) trans-1,2-Dichloroethene	2.78	96	126045	48.373	ug/L 100
18) Methyl tert-butyl Ether	2.78	73	420624	52.143	ug/L 100
19) 1,1-Dichloroethane	3.21	63	239721	49.745	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	140089	49.817	ug/L 99
22) 2-Butanone	3.98	43	205270	105.064	ug/L 100

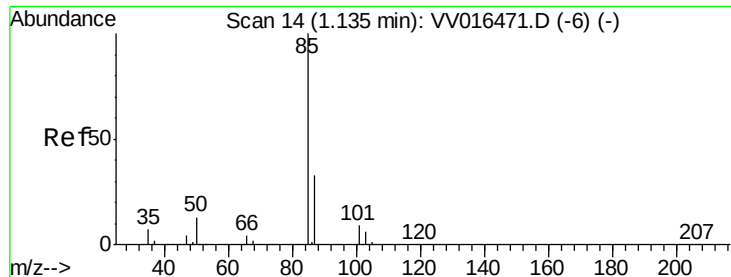
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060320\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	73640	50.891	ug/L	98
25) Chloroform	4.40	83	245916	48.688	ug/L	99
27) 1,2-Dichloroethane	5.15	62	209254	50.986	ug/L	99
29) Cyclohexane	4.70	56	220329	51.769	ug/L	98
30) 1,1,1-Trichloroethane	4.64	97	222209	50.847	ug/L	99
31) Carbon tetrachloride	4.86	117	188672	50.198	ug/L	100
33) Benzene	5.13	78	533472	50.584	ug/L	100
34) Trichloroethene	5.94	95	136664	49.386	ug/L	95
35) Methylcyclohexane	6.16	83	212419	53.478	ug/L	99
37) 1,2-Dichloropropane	6.20	63	134967	49.099	ug/L	100
38) Bromodichloromethane	6.53	83	178610	50.570	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	199210	49.703	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	407749	107.803	ug/L	99
42) Toluene	7.41	91	564938	50.553	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	196853	50.059	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	132593	49.885	ug/L	98
46) Tetrachloroethene	8.00	164	106138	49.745	ug/L	98
48) 2-Hexanone	8.16	43	308837	105.028	ug/L	99
49) Dibromochloromethane	8.27	129	134926	52.215	ug/L	98
50) 1,2-Dibromoethane	8.37	107	142426	50.655	ug/L	99
51) Chlorobenzene	8.90	112	363394	49.477	ug/L	100
52) Ethylbenzene	9.03	91	628691	51.689	ug/L	100
53) m,p-Xylene	9.16	106	236122	51.485	ug/L	97
54) o-xylene	9.57	106	229512	51.672	ug/L	99
55) Styrene	9.58	104	402222	51.691	ug/L	99
56) Isopropylbenzene	9.95	105	624866	54.161	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	214168	50.229	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	175519	51.169	ug/L	99
61) Bromoform	9.75	173	86481	55.592	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	291722	50.679	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	297298	49.777	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	294626	50.851	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	46171	52.511	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	207171	53.496	ug/L	100
68) 1,2,4-trichlorobenzene	13.29	180	190094	53.021	ug/L	98
69) Naphthalene	13.53	128	590689	53.677	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	188191	55.218	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 48.622 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV016495.D

Acq: 04 Jun 2020 07:10

Instrument :

MSVOA_V

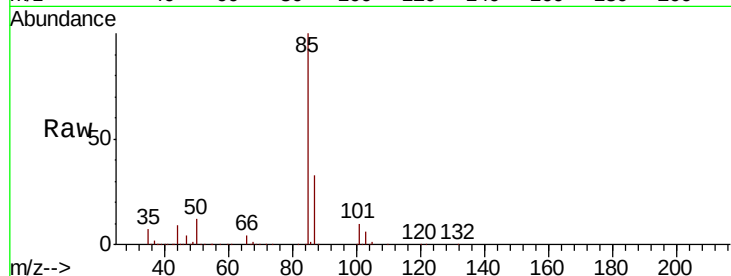
ClientSampleId :

Tot Ion: 85 Resp: 149223

Ion Ratio Lower Upper

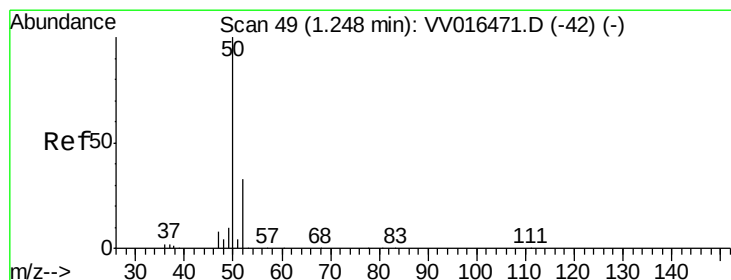
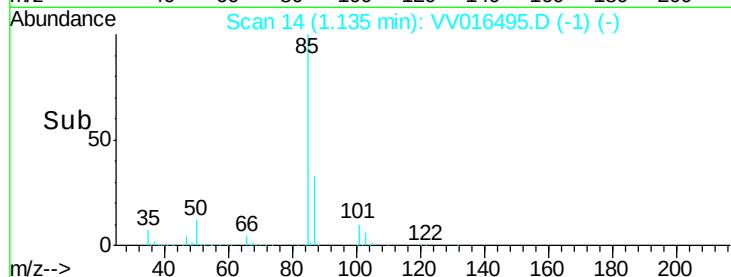
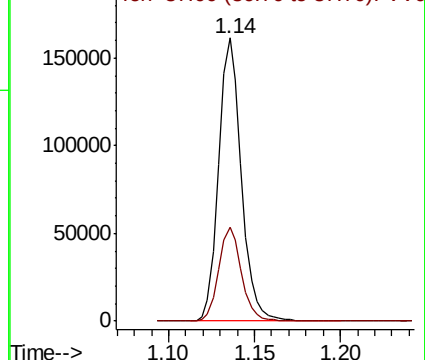
85 100

87 33.3 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 51.797 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016495.D

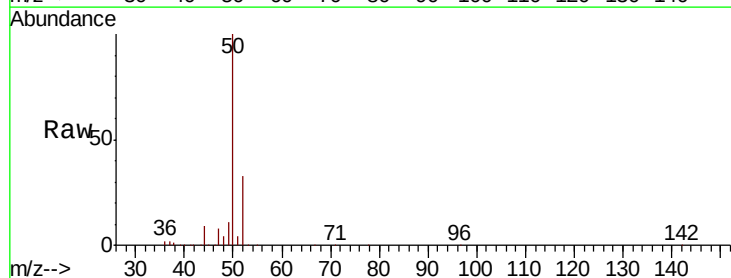
Acq: 04 Jun 2020 07:10

Tgt Ion: 50 Resp: 153167

Ion Ratio Lower Upper

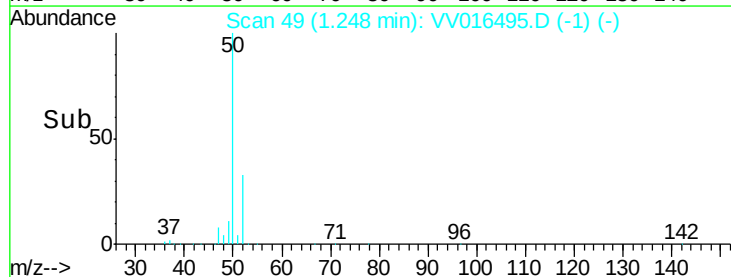
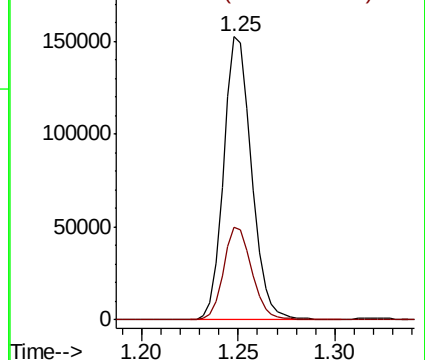
50 100

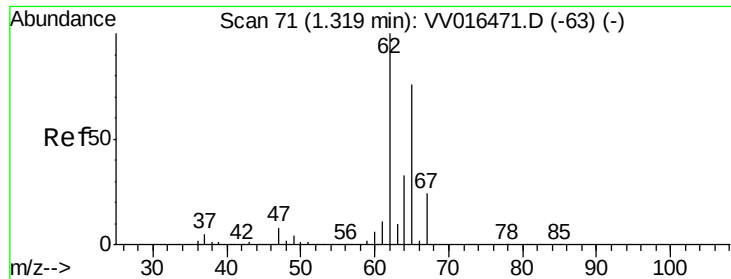
52 32.8 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 48.633 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016495.D

Acq: 04 Jun 2020 07:10

Instrument :

MSVOA_V

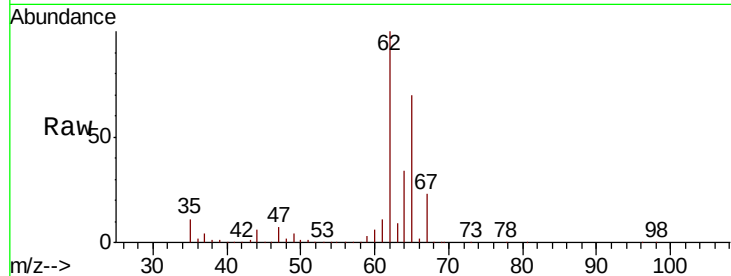
ClientSampled :

Tot Ion: 62 Resp: 138950

Ion Ratio Lower Upper

62 100

64 33.6 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

150000

100000

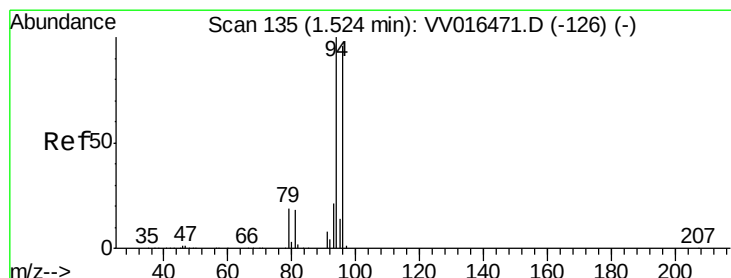
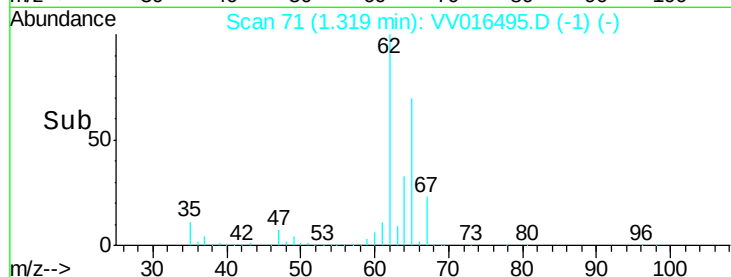
50000

0

1.32

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 47.590 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV016495.D

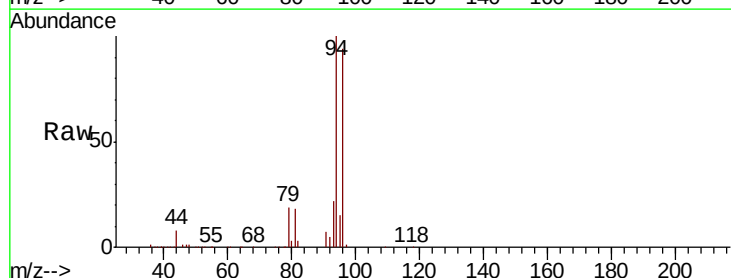
Acq: 04 Jun 2020 07:10

Tgt Ion: 94 Resp: 70734

Ion Ratio Lower Upper

94 100

96 93.5 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

60000

40000

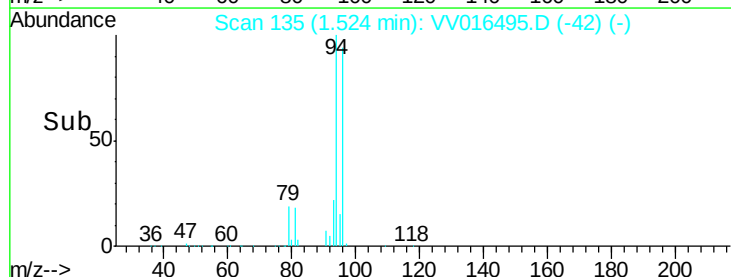
20000

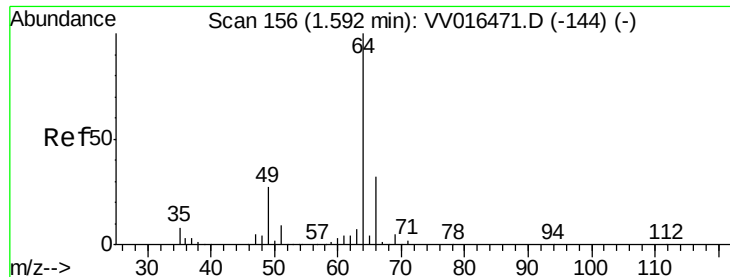
0

1.52

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 49.122 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV016495.D

Acq: 04 Jun 2020 07:10

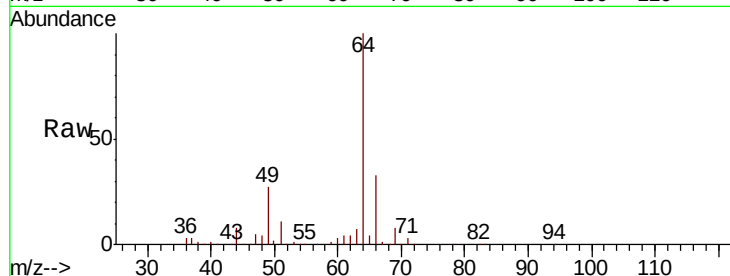
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 78653

Ion Ratio Lower Upper

64 100

66 32.9 21.4 39.8



Abundance Ion 64.00 (63.70 to 64.70): VV016495.D (-32) (-)

Ion 66.00 (65.70 to 66.70): VV016495.D (-32) (-)

1.59

60000

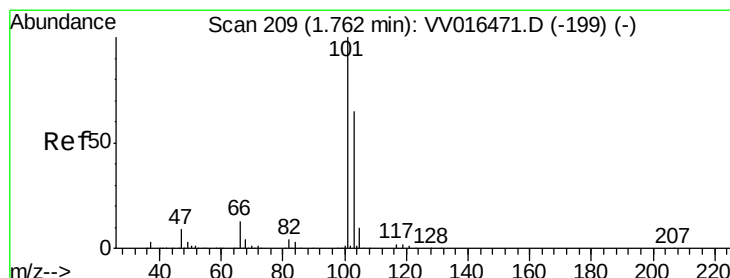
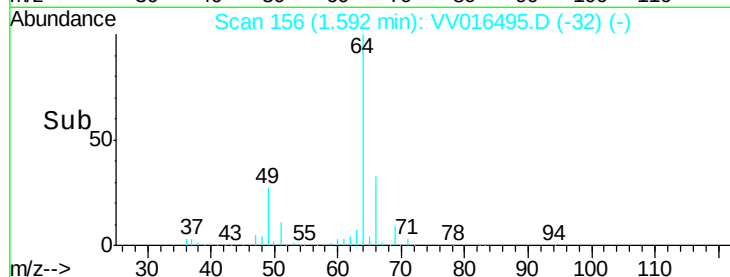
40000

20000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 49.524 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV016495.D

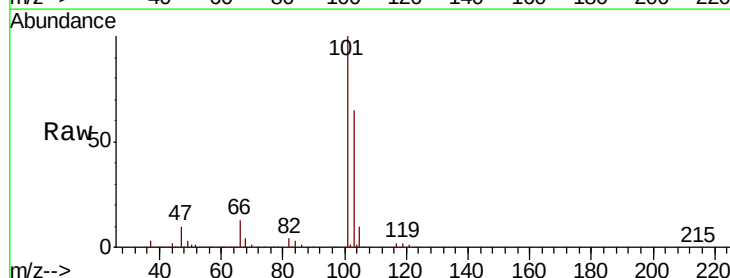
Acq: 04 Jun 2020 07:10

Tgt Ion: 101 Resp: 204332

Ion Ratio Lower Upper

101 100

103 64.1 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VV016495.D (-85) (-)

Ion 103.00 (102.70 to 103.70): VV016495.D (-85) (-)

1.76

150000

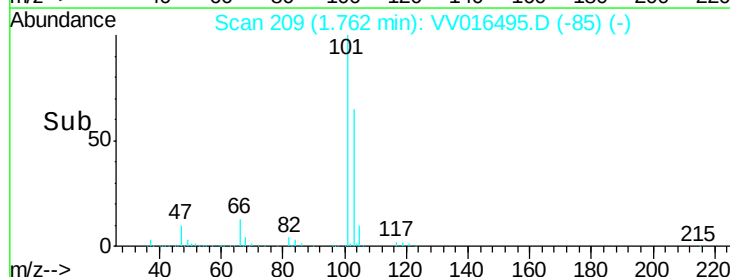
100000

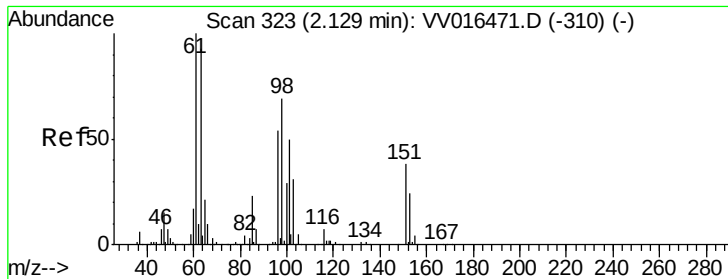
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 47.420 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016495.D

Acq: 04 Jun 2020 07:10

Instrument :

MSVOA_V

ClientSampleId :

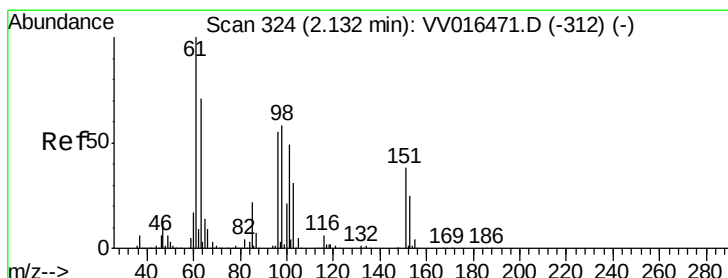
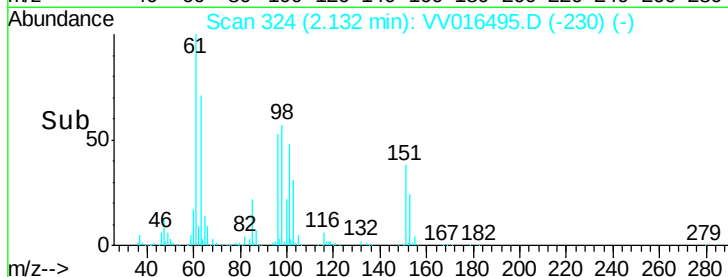
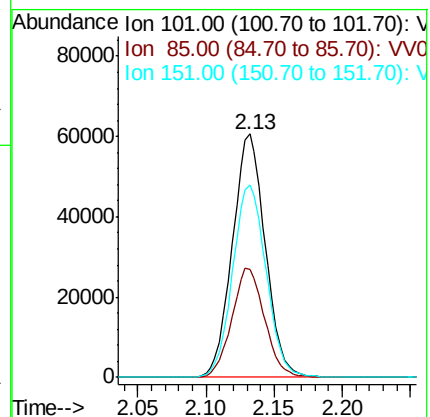
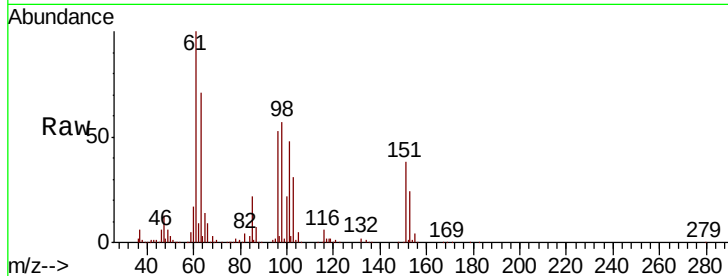
Tot Ion:101 Resp: 101764

Ion Ratio Lower Upper

101 100

85 44.6 35.6 53.4

151 80.4 61.8 92.8



#12

1,1-Dichloroethene

Concen: 47.199 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016495.D

Acq: 04 Jun 2020 07:10

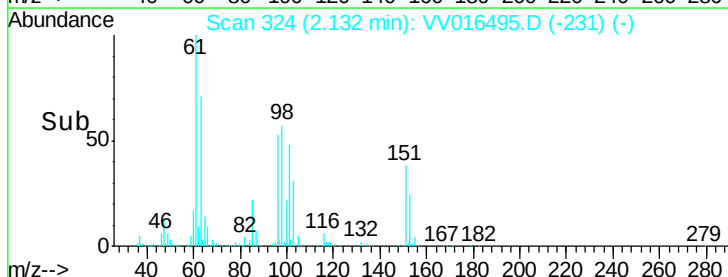
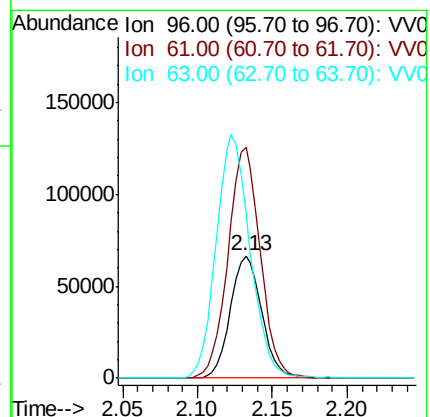
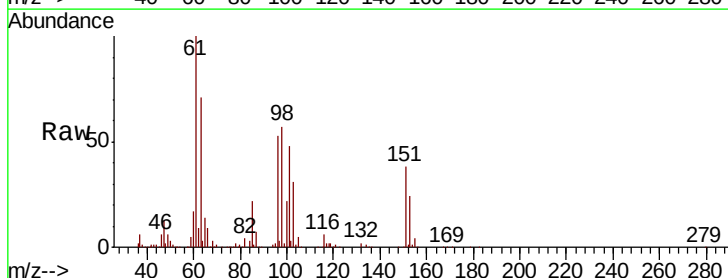
Tgt Ion: 96 Resp: 97472

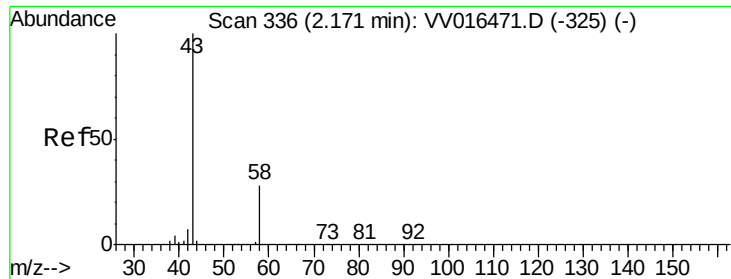
Ion Ratio Lower Upper

96 100

61 188.7 125.5 233.1

63 133.9 104.0 193.1





#13

Acetone

Concen: 72.340 ug/L

RT: 2.17 min Scan# 336

Delta R.T. 0.00 min

Lab File: VV016495.D

Acq: 04 Jun 2020 07:10

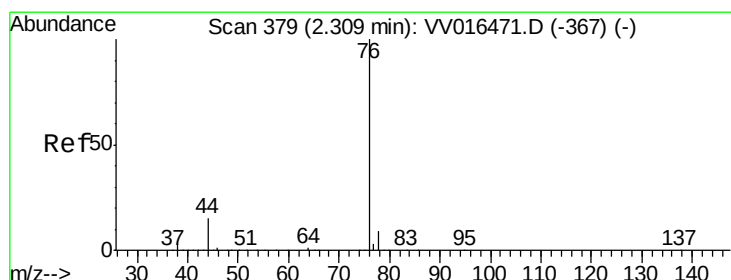
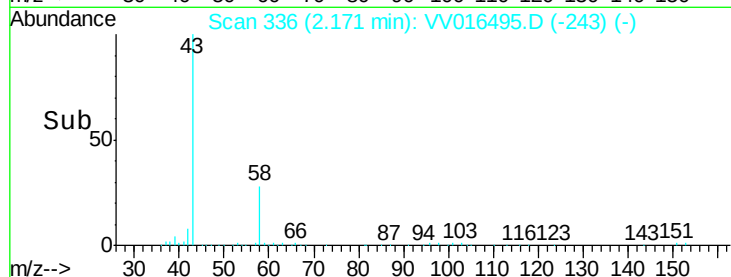
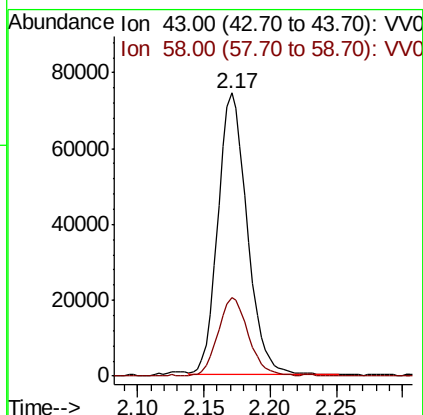
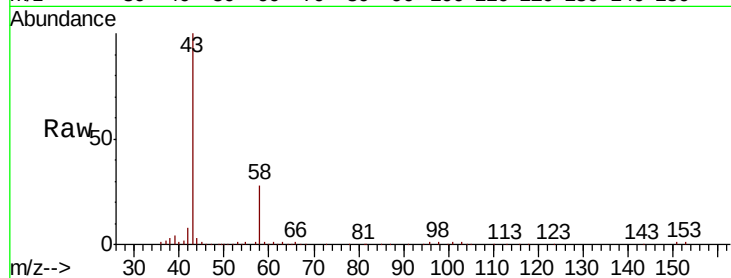
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 113898

Ion Ratio Lower Upper

43 100

58 29.2 0.0 57.2



#14

Carbon disulfide

Concen: 48.213 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV016495.D

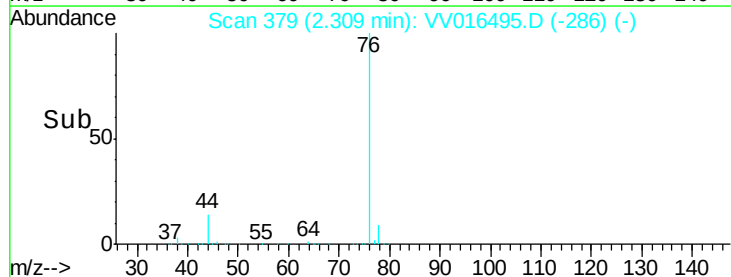
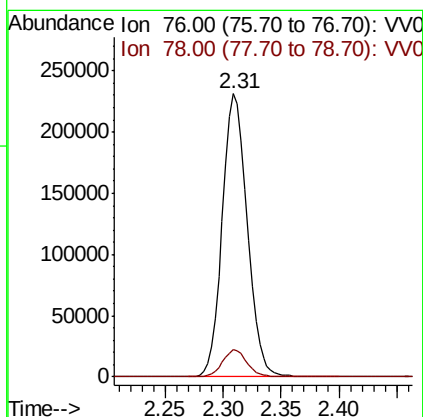
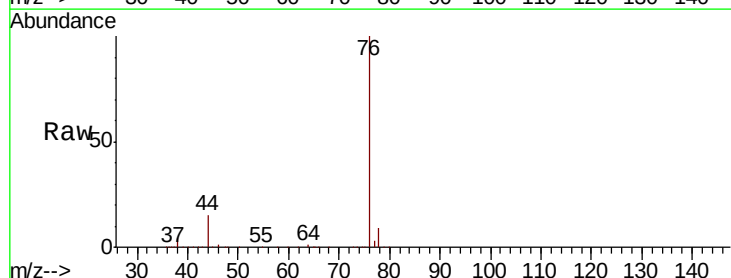
Acq: 04 Jun 2020 07:10

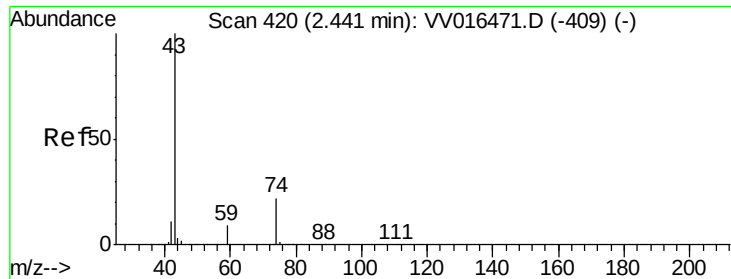
Tgt Ion: 76 Resp: 344707

Ion Ratio Lower Upper

76 100

78 9.5 7.6 11.4

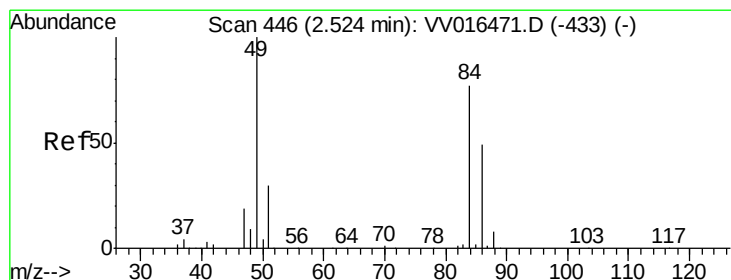
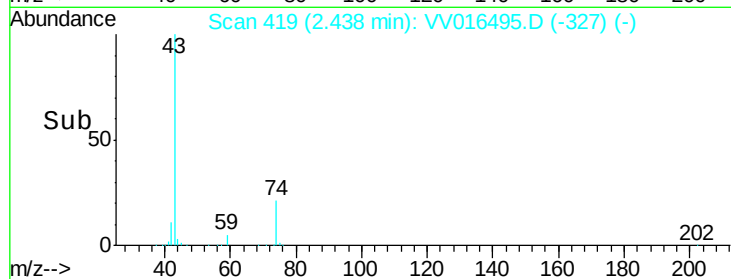
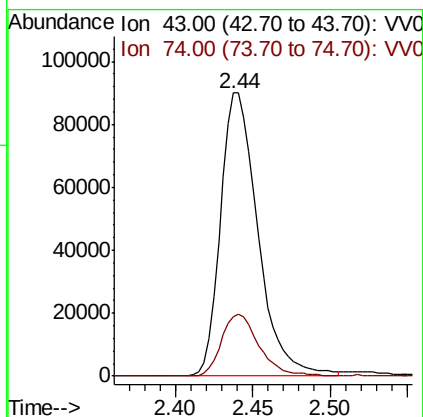
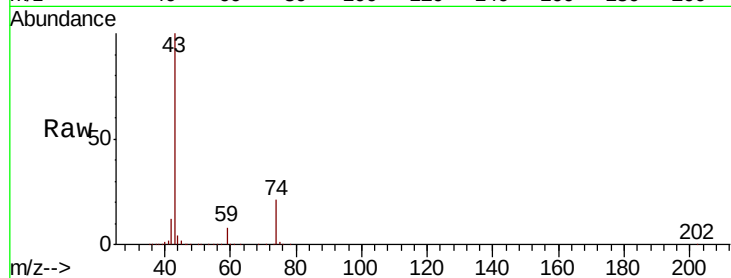




#15
Methvl Acetate
Concen: 51.813 ug/L
RT: 2.44 min Scan# 419
Delta R.T. -0.00 min
Lab File: VV016495.D
Acq: 04 Jun 2020 07:10

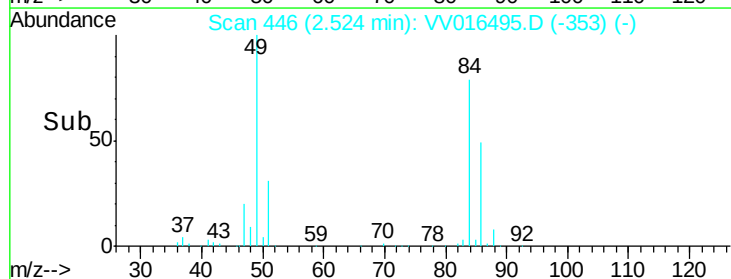
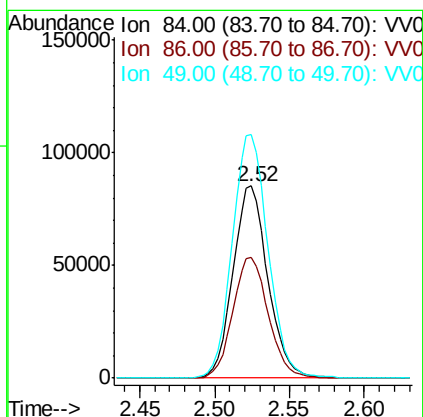
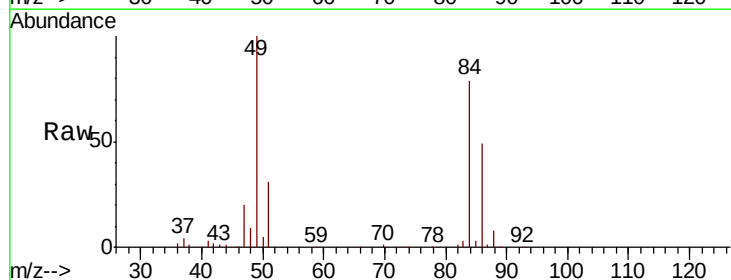
Instrument :
MSVOA_V
ClientSampled :

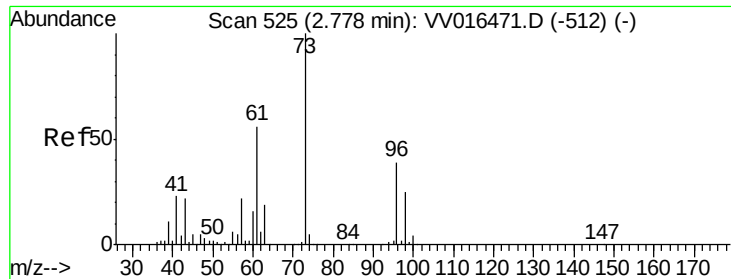
Tot Ion: 43 Resp: 149940
Ion Ratio Lower Upper
43 100
74 22.0 18.1 27.1



#16
Methylene chloride
Concen: 47.587 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV016495.D
Acq: 04 Jun 2020 07:10

Tgt Ion: 84 Resp: 138544
Ion Ratio Lower Upper
84 100
86 62.5 45.1 83.9
49 126.6 92.4 171.6





#17

trans-1,2-Dichloroethene

Concen: 48.373 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV016495.D

Acq: 04 Jun 2020 07:10

Instrument :
MSVOA_V
ClientSampleId :

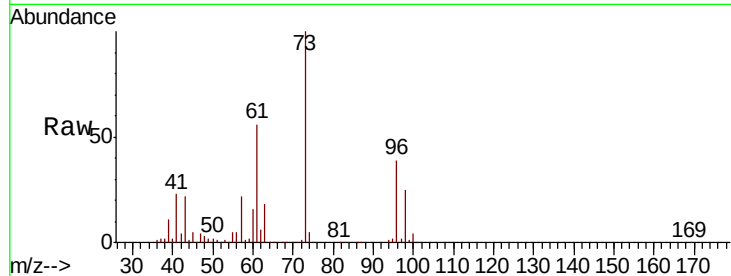
Tot Ion: 96 Resp: 126045

Ion Ratio Lower Upper

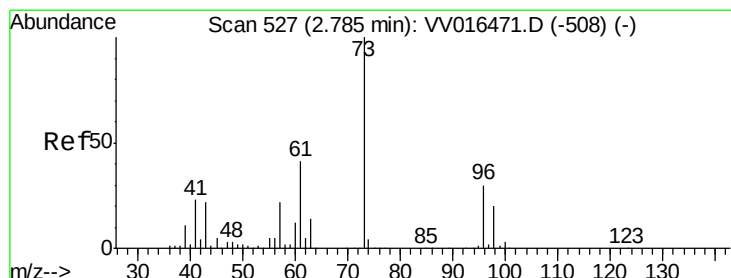
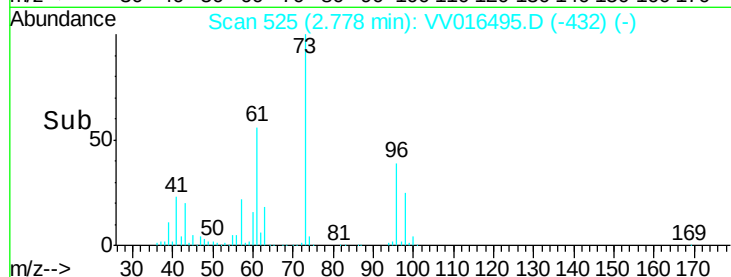
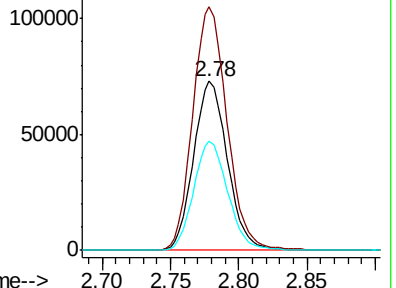
96 100

61 144.0 101.0 187.6

98 64.3 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 52.143 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV016495.D

Acq: 04 Jun 2020 07:10

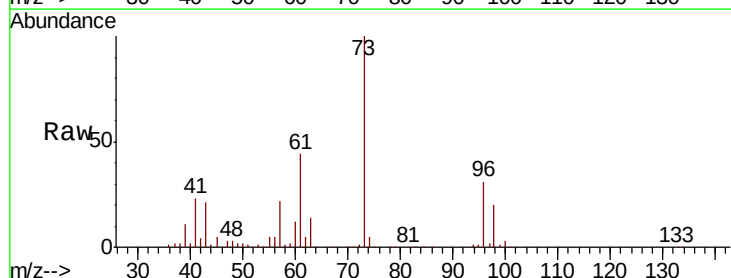
Tgt Ion: 73 Resp: 420624

Ion Ratio Lower Upper

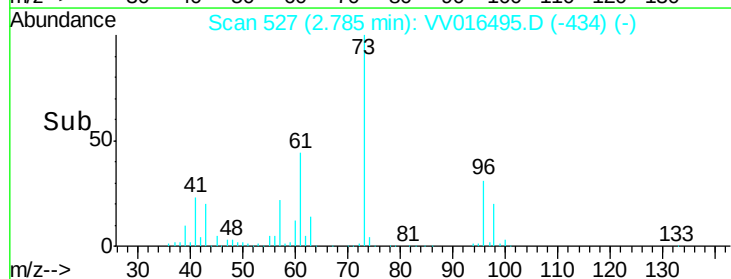
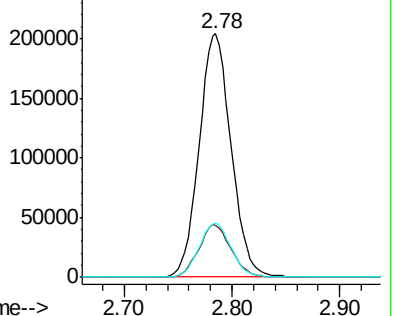
73 100

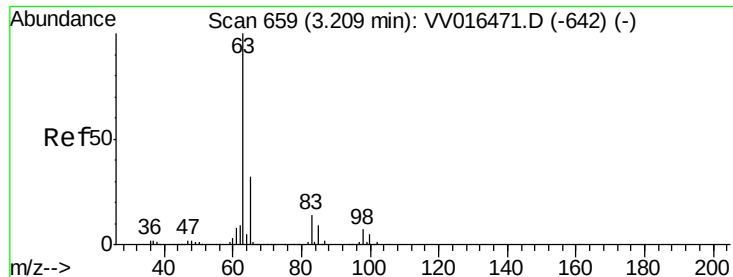
43 21.4 17.0 25.4

57 22.1 17.8 26.8



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

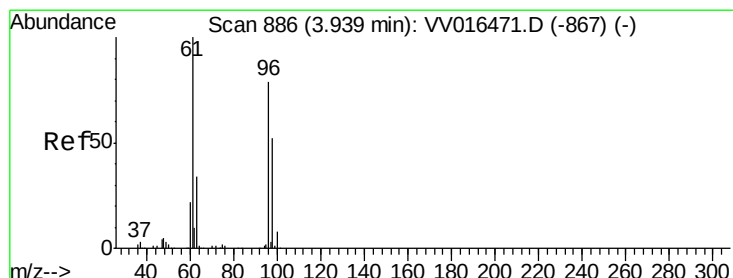
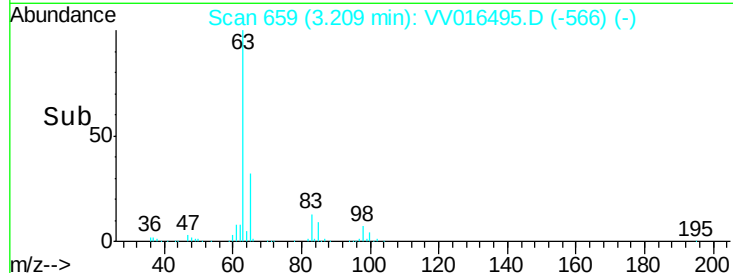
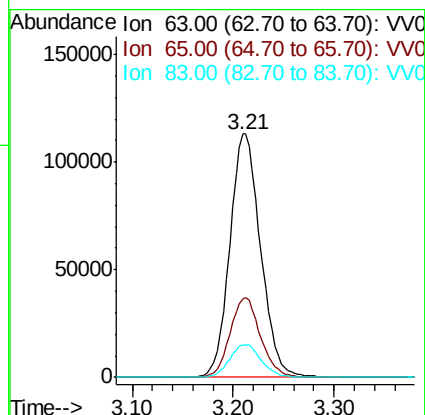
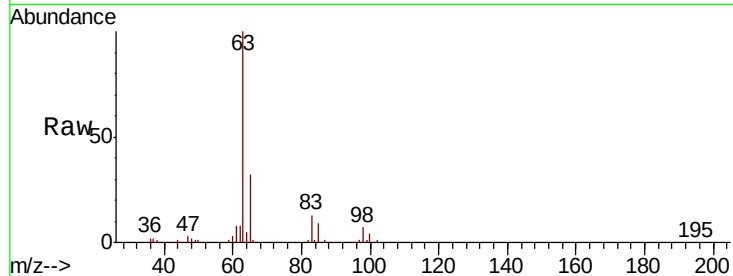




#19
 1,1-Dichloroethane
 Concen: 49.745 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV016495.D
 Acq: 04 Jun 2020 07:10

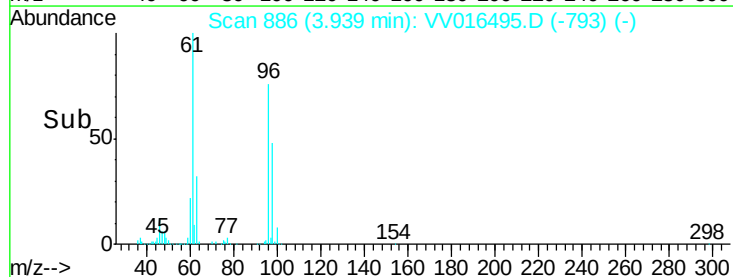
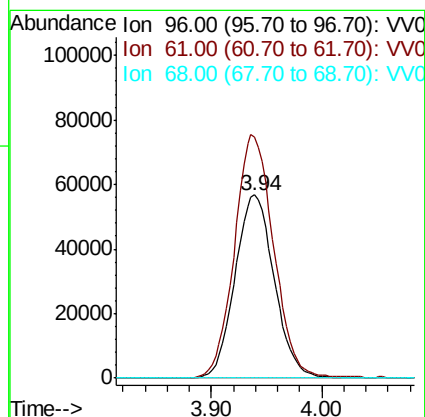
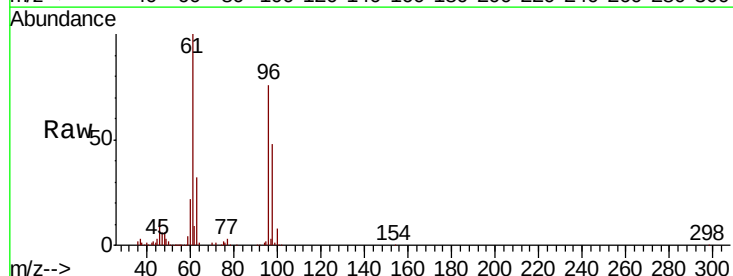
Instrument :
 MSVOA_V
 ClientSampled :

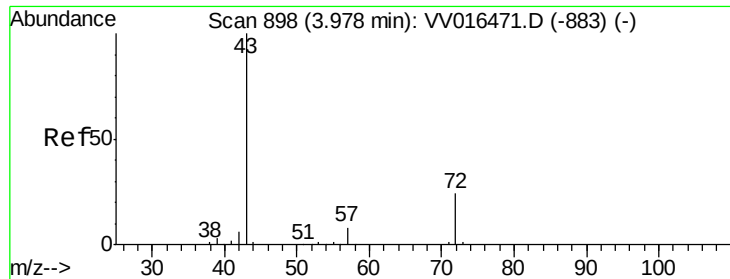
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	22.2	41.2
83	13.4	9.1	16.9



#20
 cis-1,2-Dichloroethene
 Concen: 49.817 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV016495.D
 Acq: 04 Jun 2020 07:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.7	93.4	173.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 105.064 ug/L

RT: 3.98 min Scan# 898

Delta R.T. 0.00 min

Lab File: VV016495.D

Acq: 04 Jun 2020 07:10

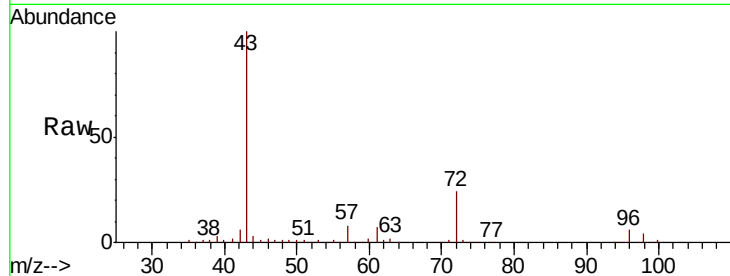
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 205270

Ion Ratio Lower Upper

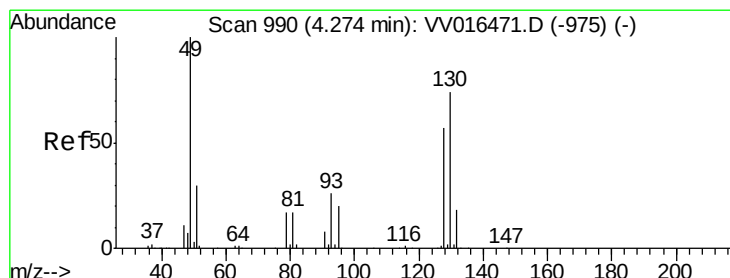
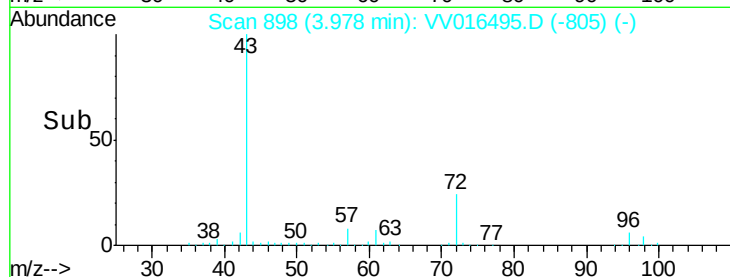
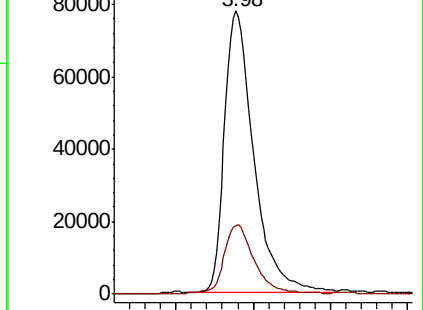
43 100

72 25.5 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VV016495.D (-805) (-)

Ion 72.00 (71.70 to 72.70): VV016495.D (-805) (-)



#23

Bromochloromethane

Concen: 50.891 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV016495.D

Acq: 04 Jun 2020 07:10

Tgt Ion:128 Resp: 73640

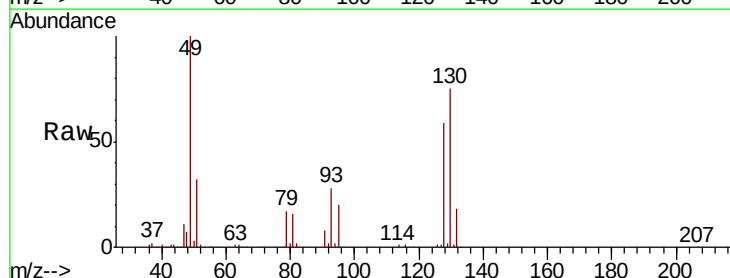
Ion Ratio Lower Upper

128 100

49 169.8 121.7 225.9

130 126.9 90.1 167.3

51 53.9 43.8 65.6

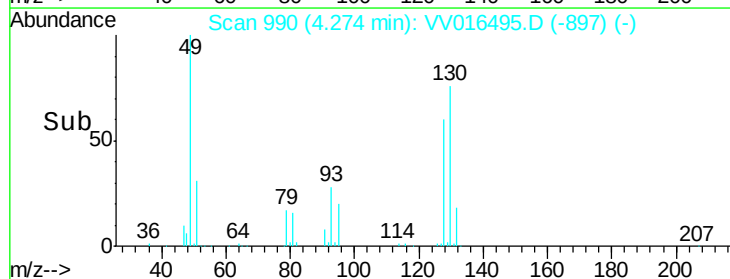
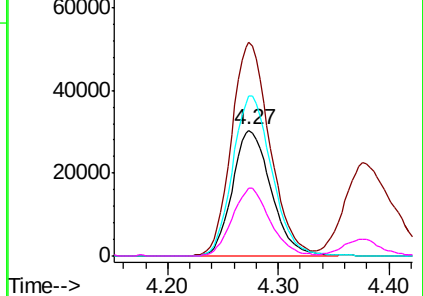


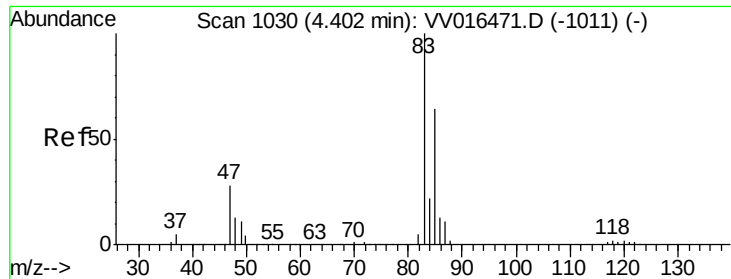
Abundance Ion 128.00 (127.70 to 128.70): VV016495.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV016495.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV016495.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV016495.D (-897) (-)

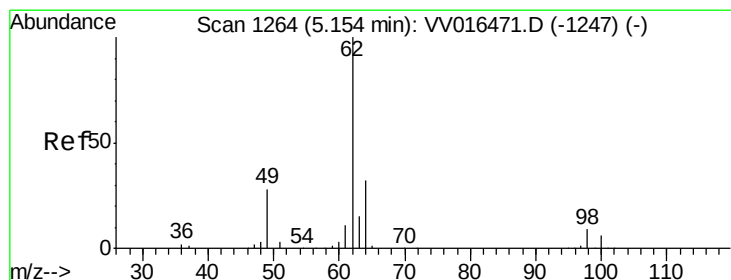
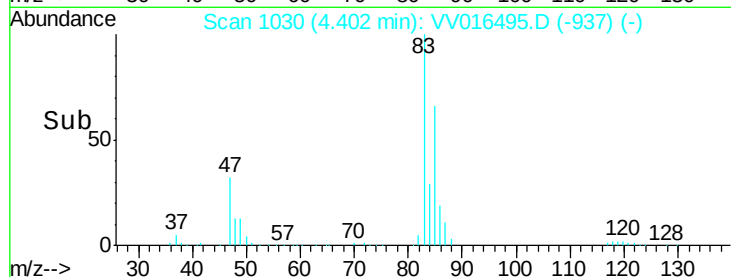
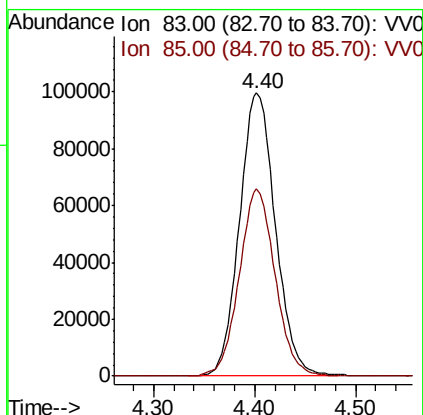
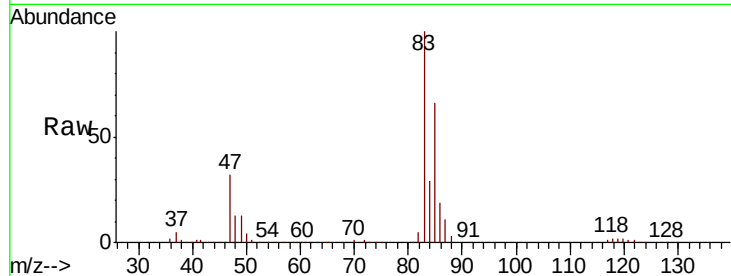




#25
Chloroform
Concen: 48.688 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV016495.D
Acq: 04 Jun 2020 07:10

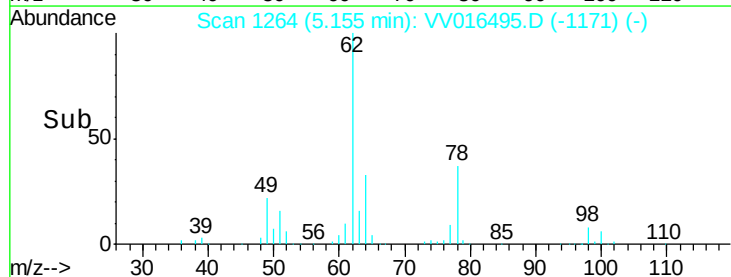
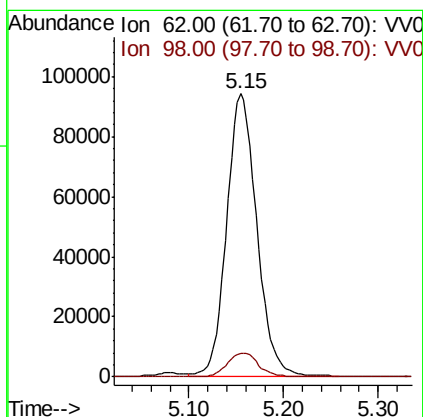
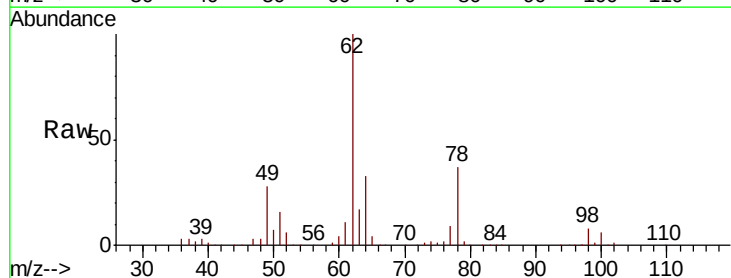
Instrument :
MSVOA_V
ClientSampled :

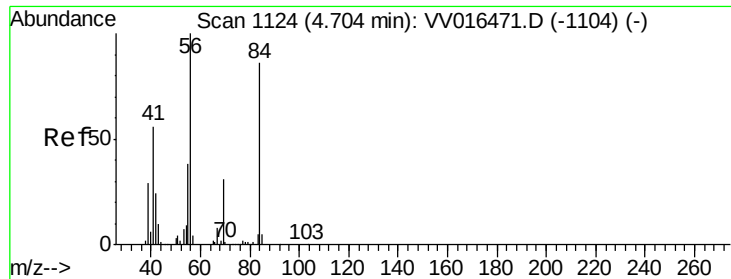
Tot Ion: 83 Resp: 245916
Ion Ratio Lower Upper
83 100
85 66.4 46.1 85.7



#27
1,2-Dichloroethane
Concen: 50.986 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV016495.D
Acq: 04 Jun 2020 07:10

Tgt Ion: 62 Resp: 209254
Ion Ratio Lower Upper
62 100
98 8.3 6.9 10.3

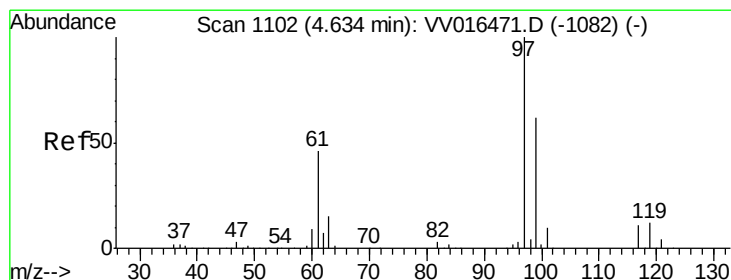
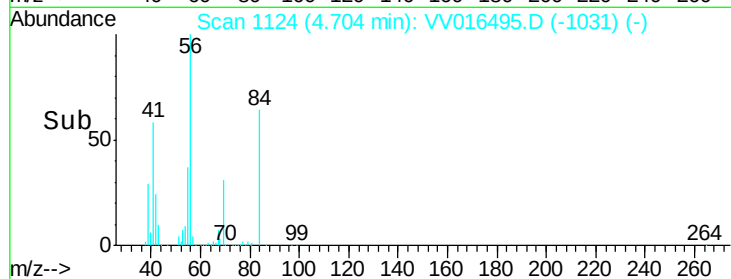
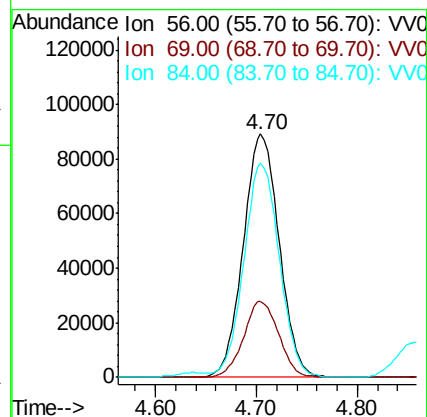
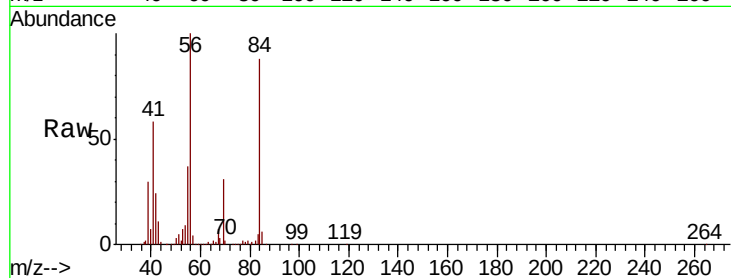




#29
Cyclohexane
Concen: 51.769 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV016495.D
Acq: 04 Jun 2020 07:10

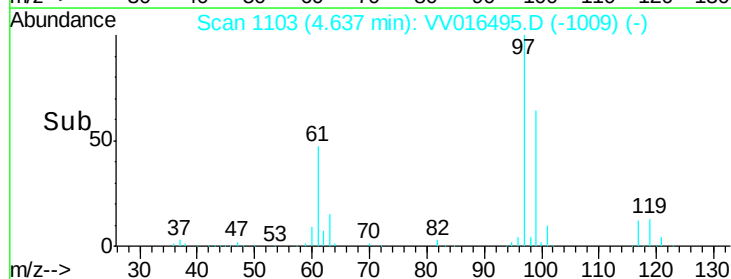
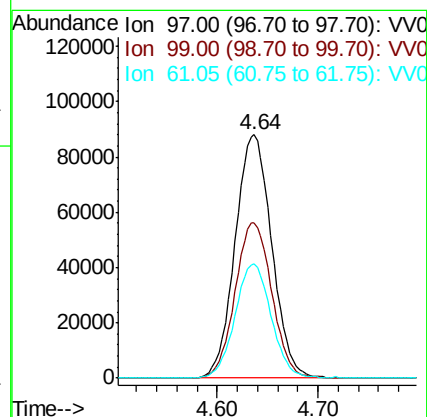
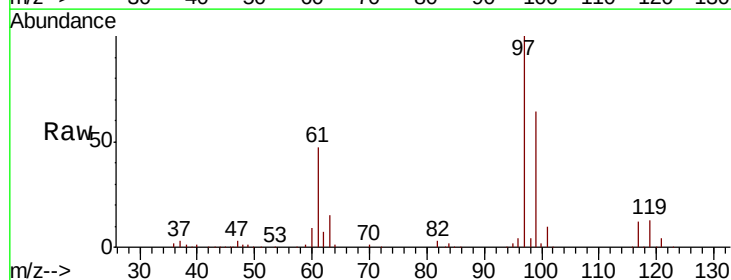
Instrument :
MSVOA_V
ClientSampled :

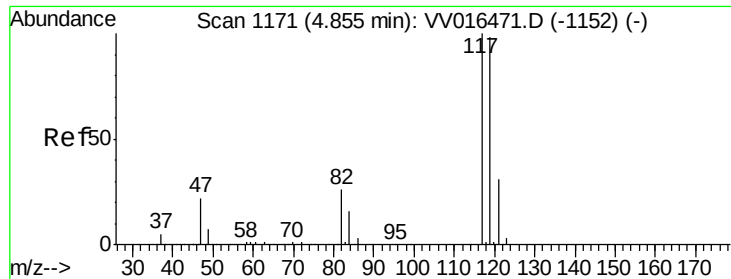
Tot Ion: 56 Resp: 220329
Ion Ratio Lower Upper
56 100
69 30.6 23.9 35.9
84 86.7 68.2 102.2



#30
1,1,1-Trichloroethane
Concen: 50.847 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV016495.D
Acq: 04 Jun 2020 07:10

Tgt Ion: 97 Resp: 222209
Ion Ratio Lower Upper
97 100
99 64.0 51.8 77.8
61 46.3 37.4 56.0

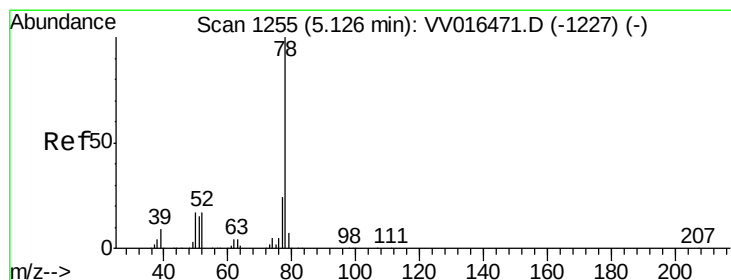
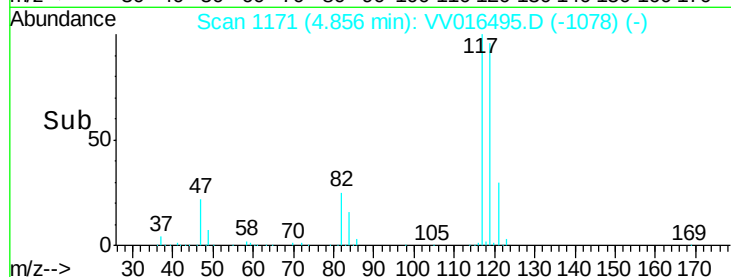
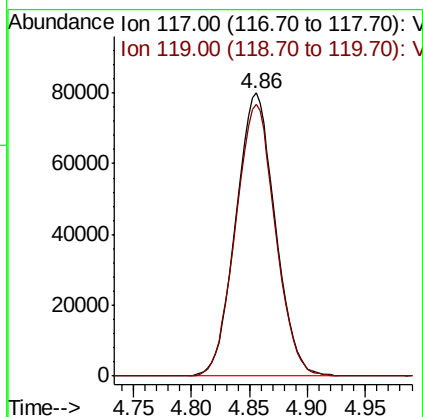
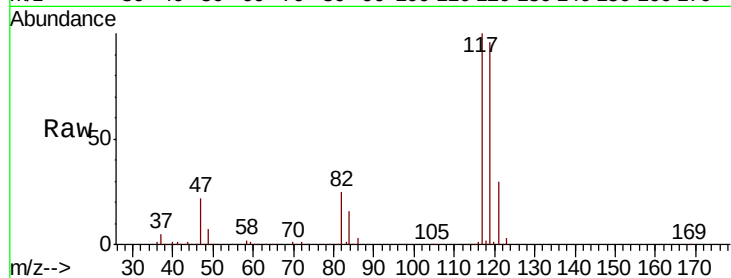




#31
Carbon tetrachloride
Concen: 50.198 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV016495.D
Acq: 04 Jun 2020 07:10

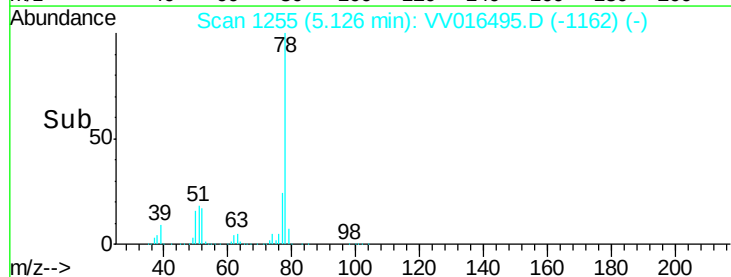
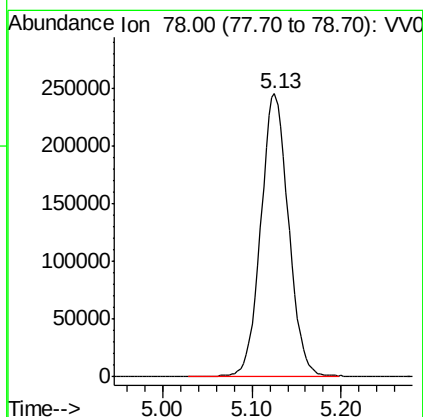
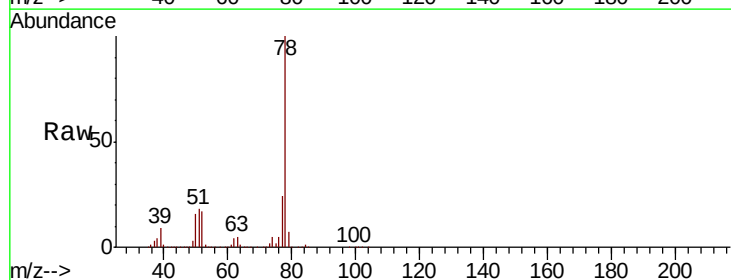
Instrument :
MSVOA_V
ClientSampleId :

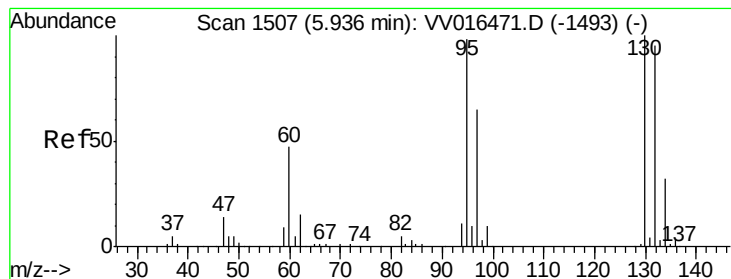
Tot Ion:117 Resp: 188672
Ion Ratio Lower Upper
117 100
119 96.9 77.8 116.6



#33
Benzene
Concen: 50.584 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV016495.D
Acq: 04 Jun 2020 07:10

Tgt Ion: 78 Resp: 533472





#34

Trichloroethene

Concen: 49.386 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016495.D

Acq: 04 Jun 2020 07:10

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 136664

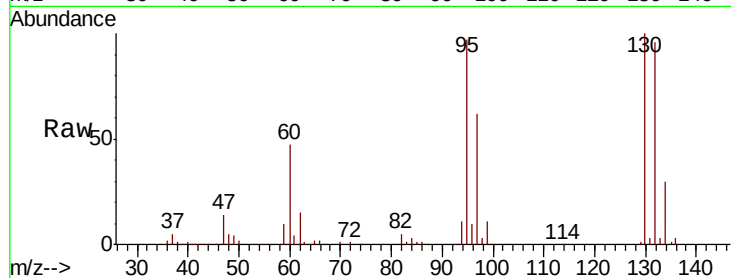
Ion Ratio Lower Upper

95 100

97 64.2 42.8 79.6

132 99.1 65.6 121.8

130 103.1 69.0 128.1



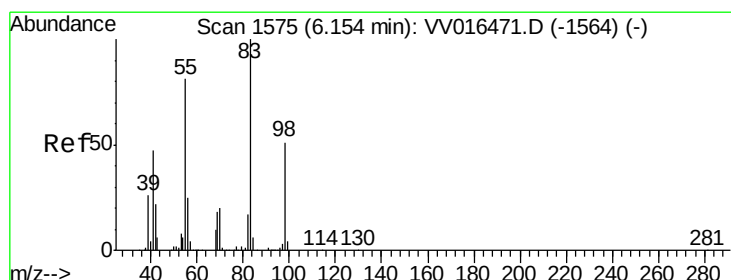
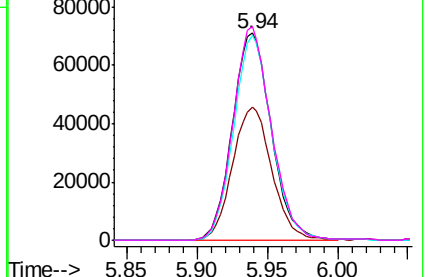
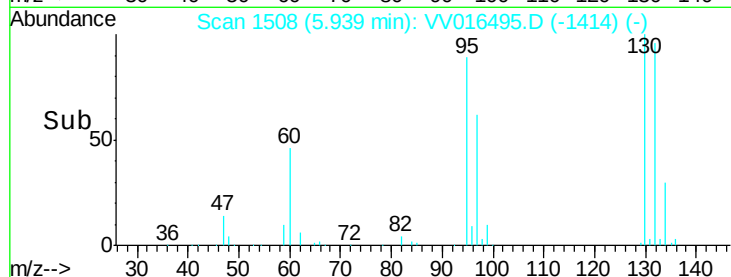
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Time-->



#35

Methylcyclohexane

Concen: 53.478 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV016495.D

Acq: 04 Jun 2020 07:10

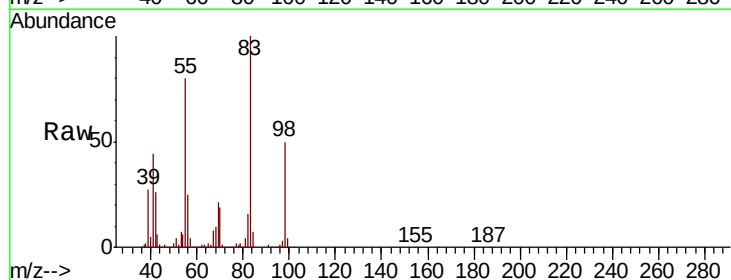
Tgt Ion: 83 Resp: 212419

Ion Ratio Lower Upper

83 100

55 80.3 63.4 95.0

98 49.7 39.4 59.0

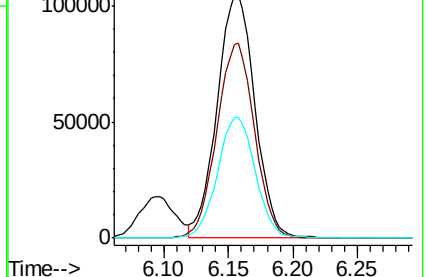
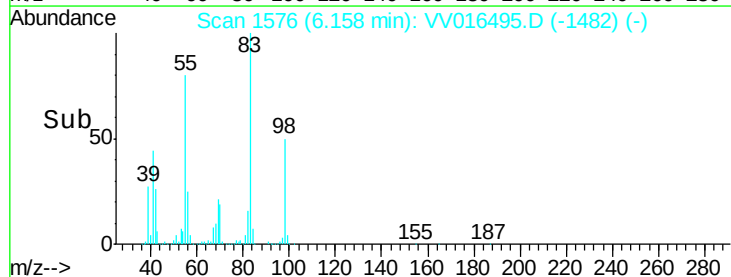


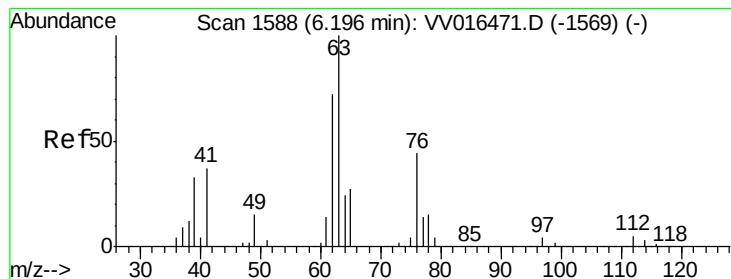
Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

Time-->





#37

1,2-Dichloropropane

Concen: 49.099 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV016495.D

Acq: 04 Jun 2020 07:10

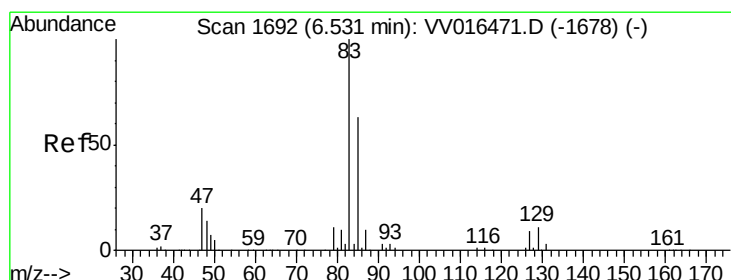
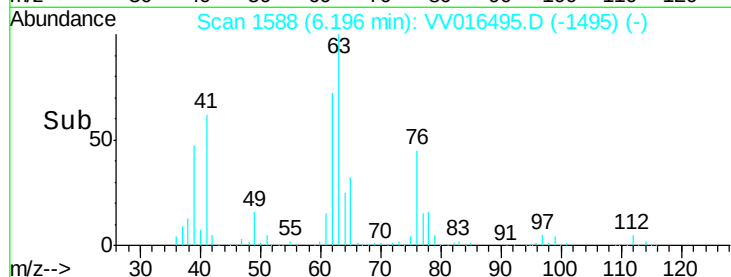
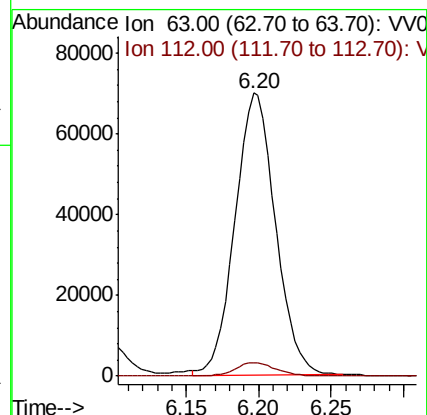
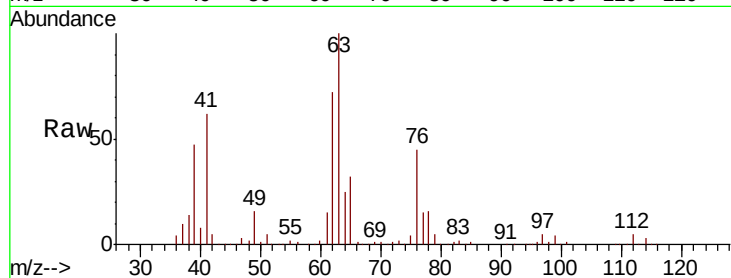
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 134967

Ion Ratio Lower Upper

63 100

112 4.8 3.9 5.9



#38

Bromodichloromethane

Concen: 50.570 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV016495.D

Acq: 04 Jun 2020 07:10

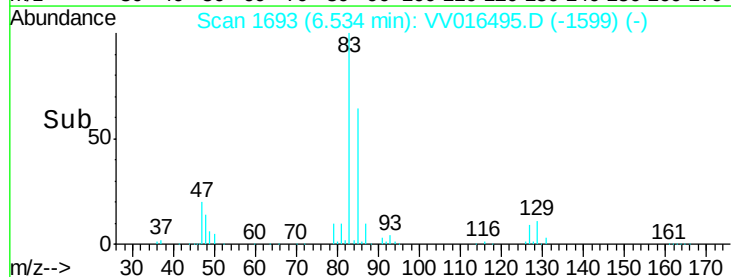
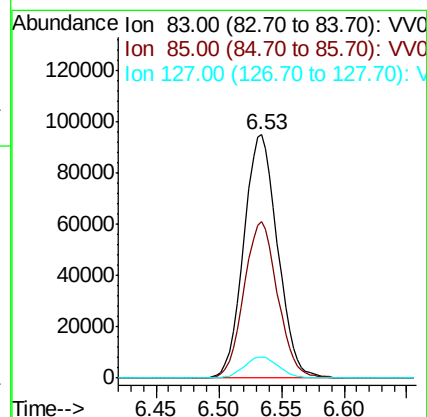
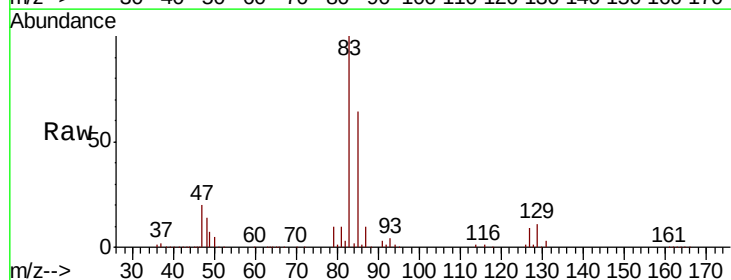
Tgt Ion: 83 Resp: 178610

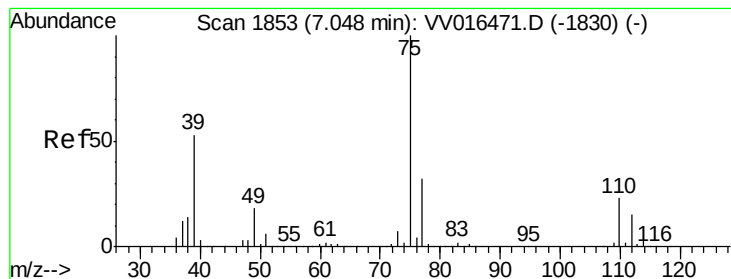
Ion Ratio Lower Upper

83 100

85 64.4 44.4 82.5

127 8.8 7.1 10.7



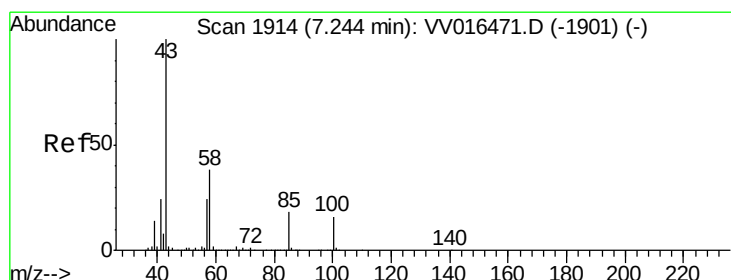
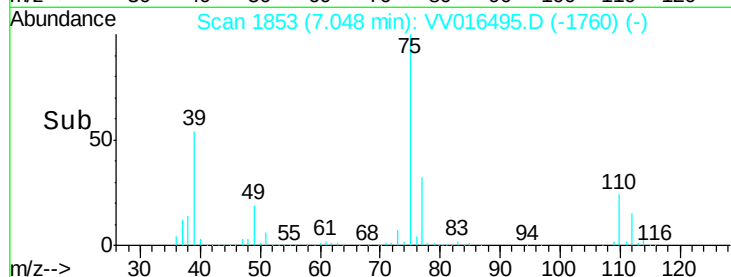
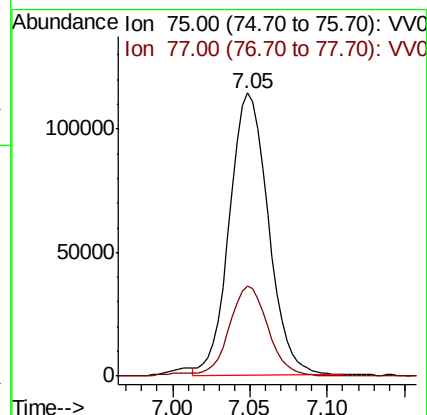
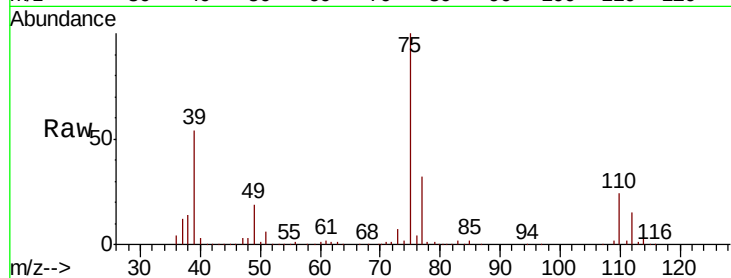


#39

cis-1,3-Dichloropropene
Concen: 49.703 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV016495.D
Acq: 04 Jun 2020 07:10

Instrument :
MSVOA_V
ClientSampleId :

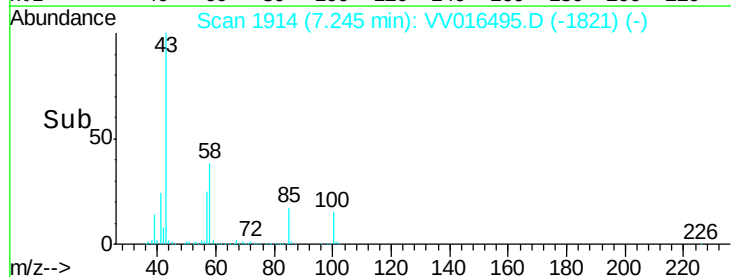
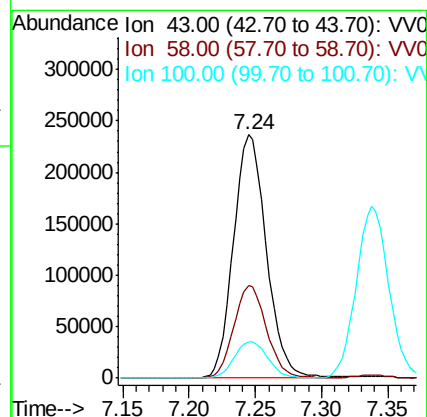
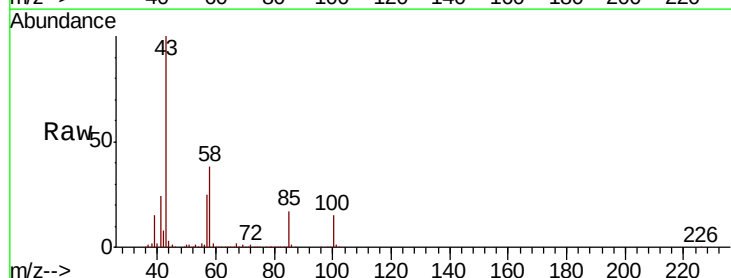
Tot Ion: 75 Resp: 199210
Ion Ratio Lower Upper
75 100
77 31.9 22.0 41.0

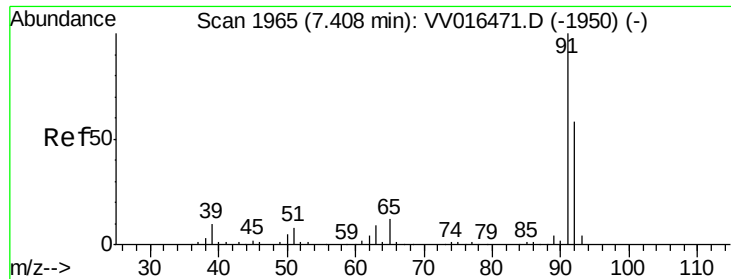


#40

4-Methyl-2-pentanone
Concen: 107.803 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VV016495.D
Acq: 04 Jun 2020 07:10

Tgt Ion: 43 Resp: 407749
Ion Ratio Lower Upper
43 100
58 37.9 29.9 44.9
100 15.4 11.9 17.9





#42

Toluene

Concen: 50.553 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016495.D

Acq: 04 Jun 2020 07:10

Instrument :

MSVOA_V

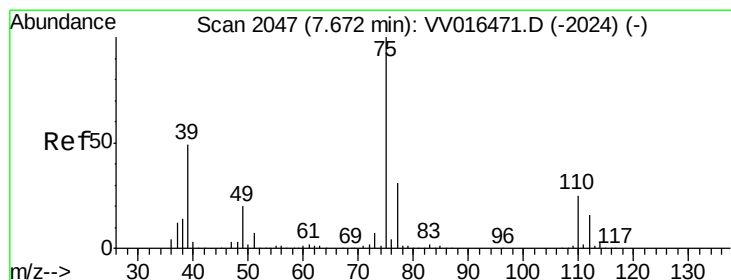
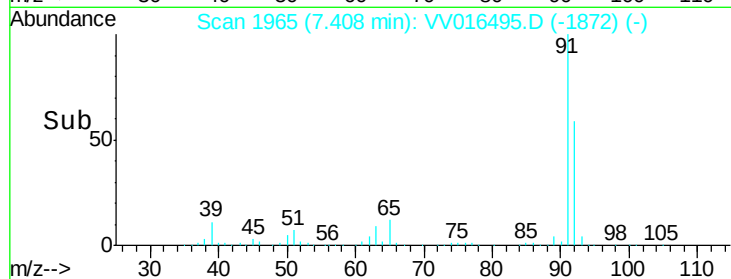
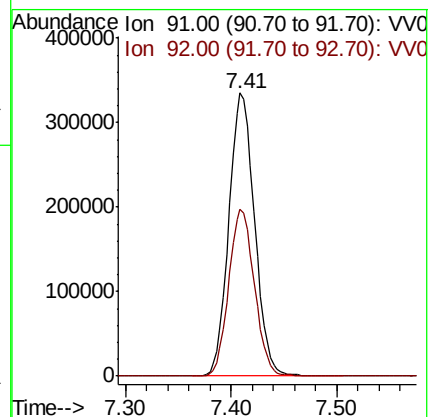
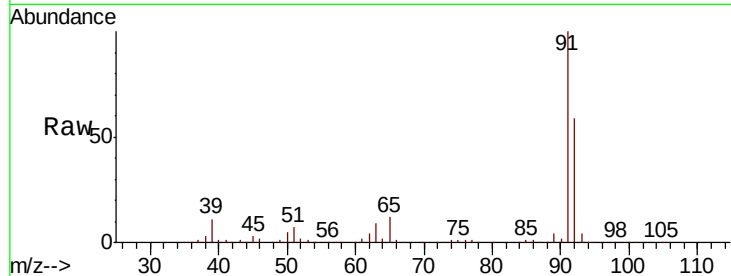
ClientSampleId :

Tot Ion: 91 Resp: 564938

Ion Ratio Lower Upper

91 100

92 58.9 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 50.059 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV016495.D

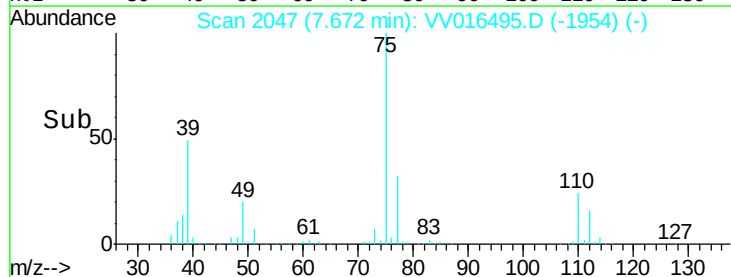
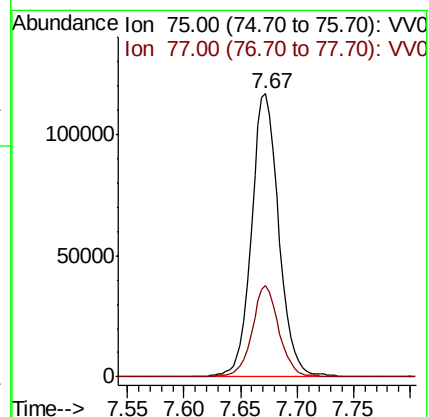
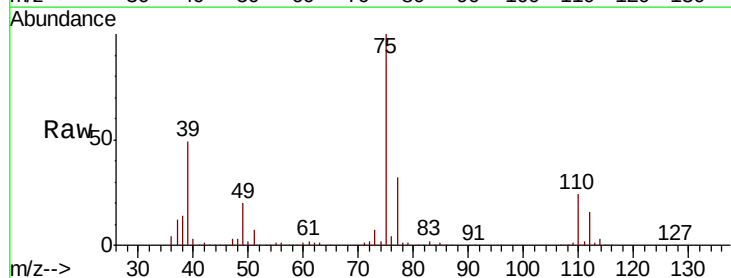
Acq: 04 Jun 2020 07:10

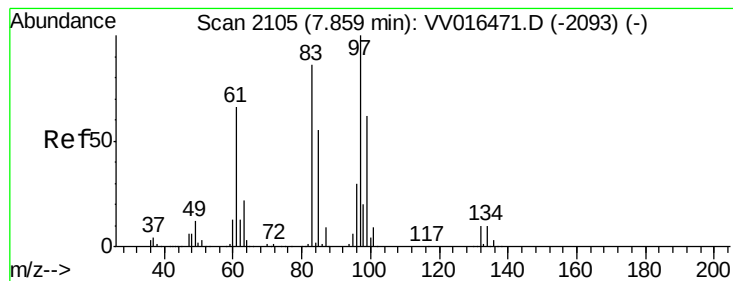
Tgt Ion: 75 Resp: 196853

Ion Ratio Lower Upper

75 100

77 32.4 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 49.885 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV016495.D

Acq: 04 Jun 2020 07:10

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 132593

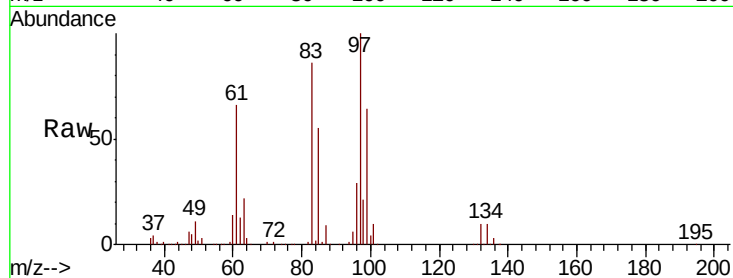
Ion Ratio Lower Upper

97 100

99 63.6 42.9 79.7

83 86.3 59.3 110.1

85 55.1 37.5 69.7



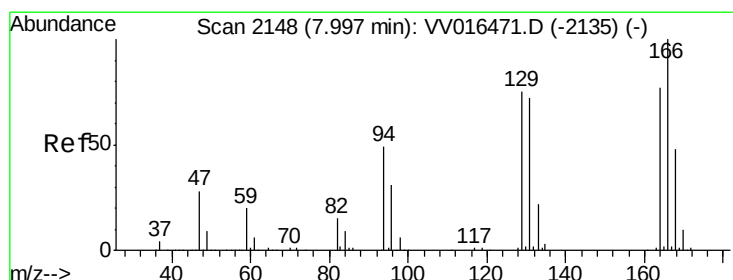
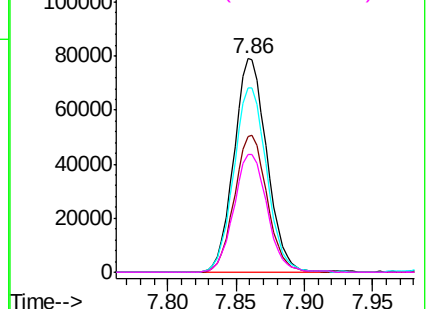
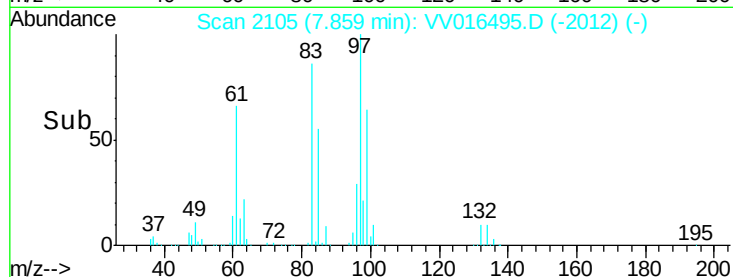
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 49.745 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016495.D

Acq: 04 Jun 2020 07:10

Tgt Ion: 164 Resp: 106138

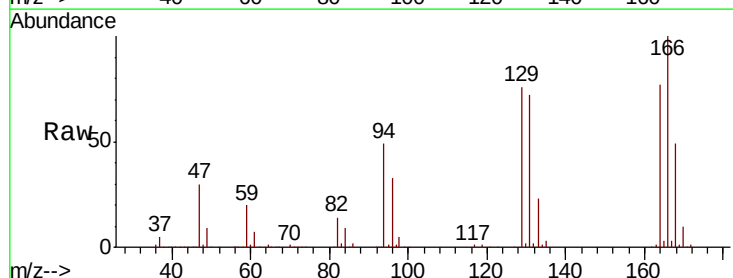
Ion Ratio Lower Upper

164 100

129 97.6 67.7 125.7

131 93.4 63.8 118.6

166 129.3 88.7 164.7



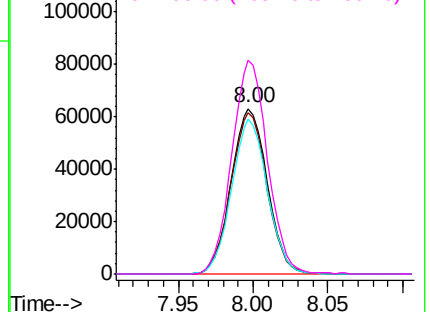
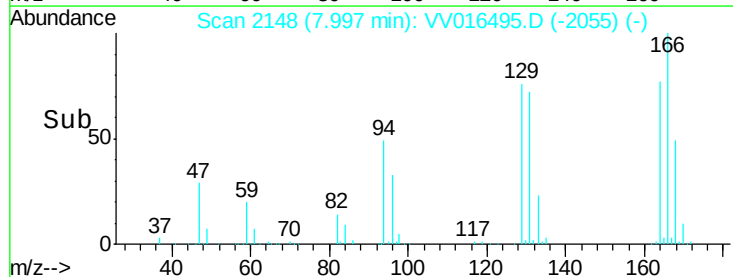
Abundance

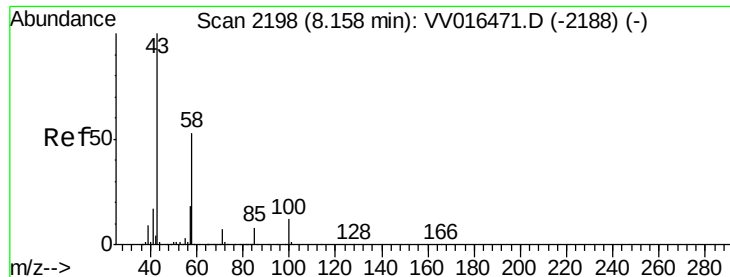
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

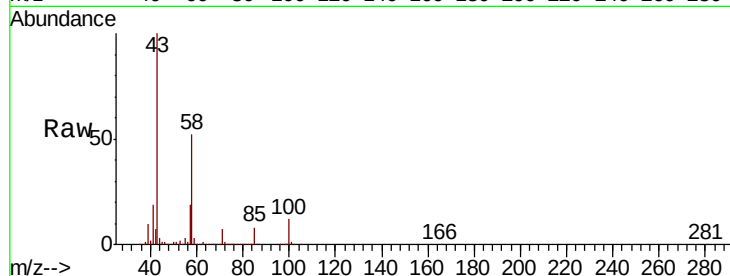




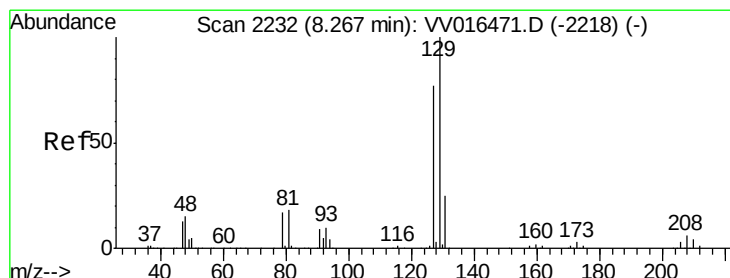
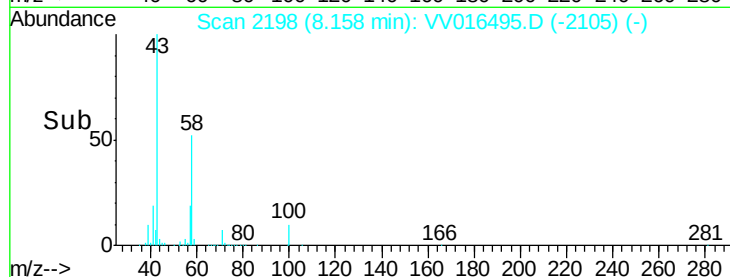
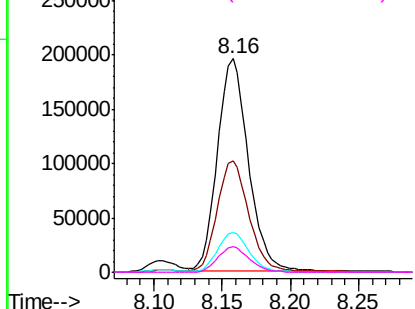
#48
2-Hexanone
Concen: 105.028 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV016495.D
Acq: 04 Jun 2020 07:10

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 308837
Ion Ratio Lower Upper
43 100
58 53.7 42.7 64.1
57 19.2 14.5 21.7
100 12.3 9.4 14.2

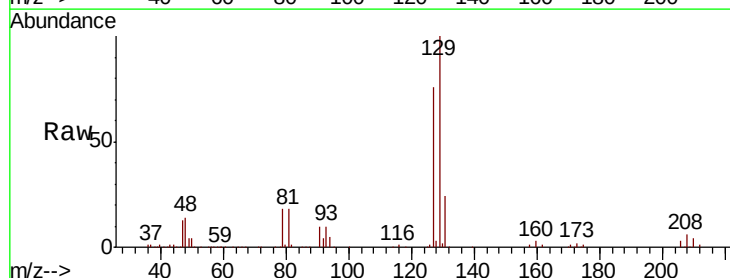


Abundance Ion 43.00 (42.70 to 43.70): VV016495.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV016495.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV016495.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV016495.D (-2105) (-)

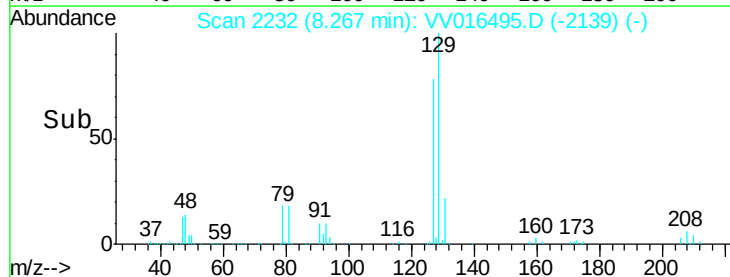
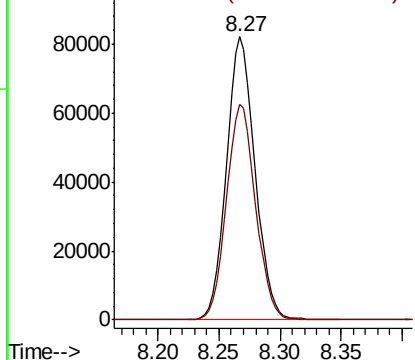


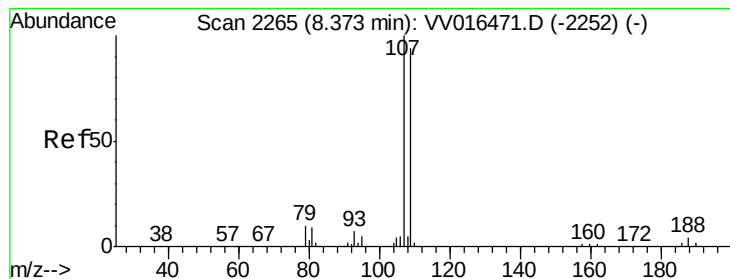
#49
Dibromochloromethane
Concen: 52.215 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016495.D
Acq: 04 Jun 2020 07:10

Tgt Ion: 129 Resp: 134926
Ion Ratio Lower Upper
129 100
127 76.0 54.6 101.4



Abundance Ion 129.00 (128.70 to 129.70): VV016495.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV016495.D (-2139) (-)





#50

1,2-Dibromoethane

Concen: 50.655 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.00 min

Lab File: VV016495.D

Acq: 04 Jun 2020 07:10

Instrument :

MSVOA_V

ClientSampleId :

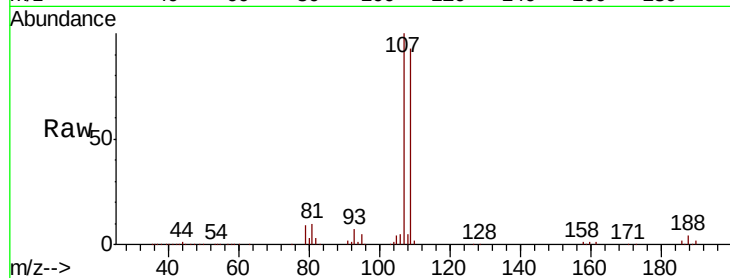
Tot Ion:107 Resp: 142426

Ion Ratio Lower Upper

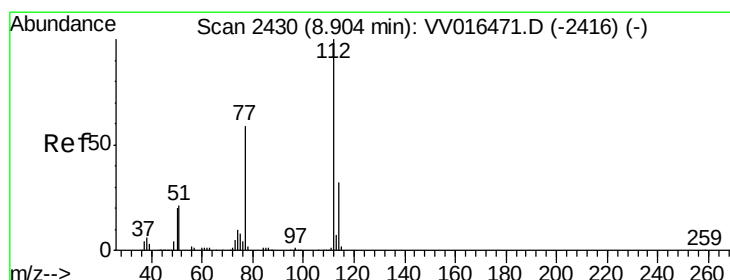
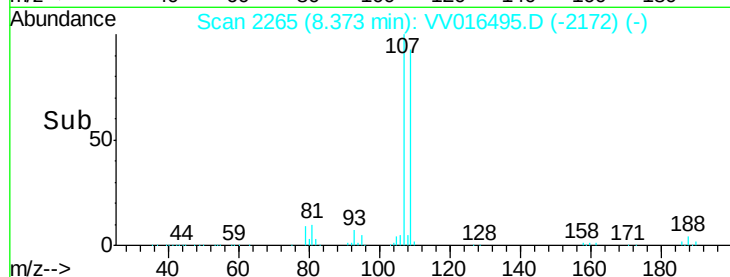
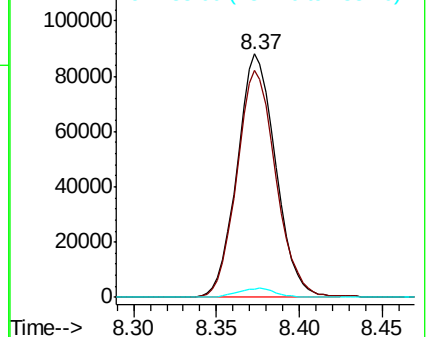
107 100

109 93.3 65.9 122.3

188 3.6 2.8 4.2



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 49.477 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016495.D

Acq: 04 Jun 2020 07:10

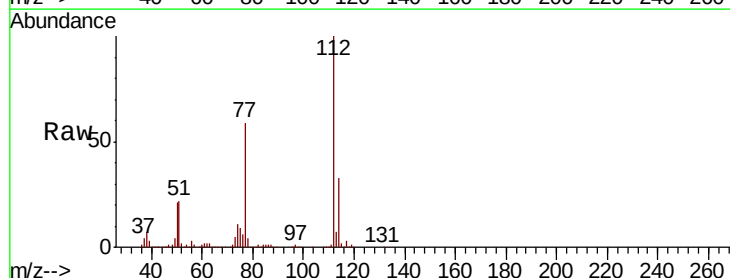
Tgt Ion:112 Resp: 363394

Ion Ratio Lower Upper

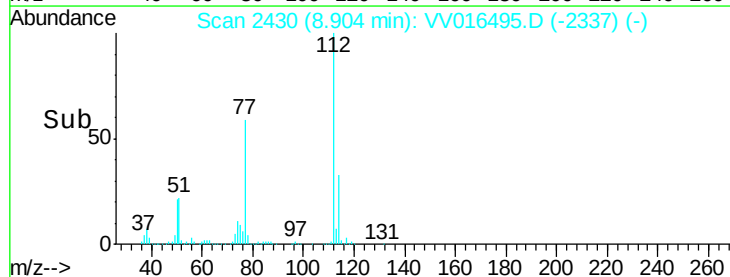
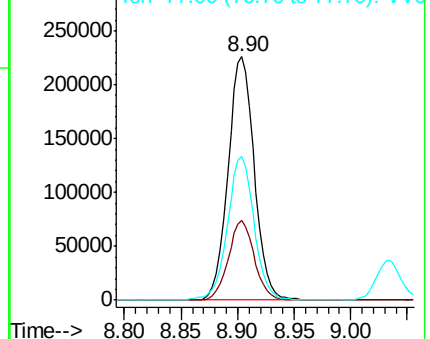
112 100

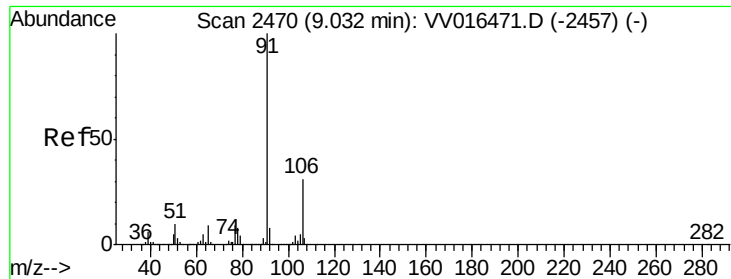
114 32.6 22.7 42.1

77 59.2 47.4 71.2



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 51.689 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016495.D

Acq: 04 Jun 2020 07:10

Instrument :

MSVOA_V

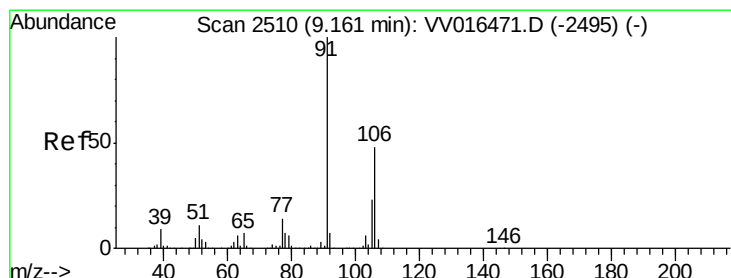
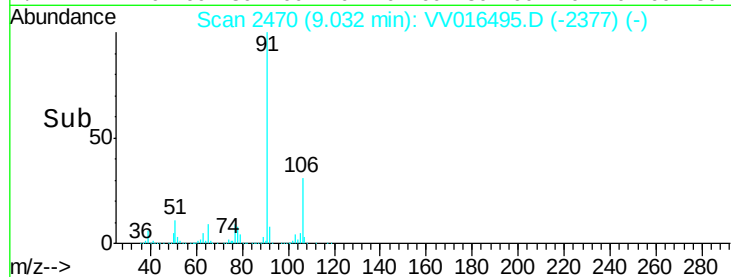
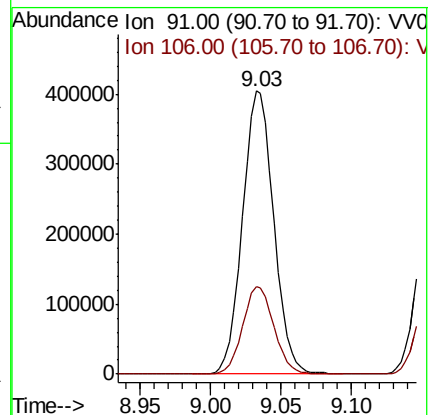
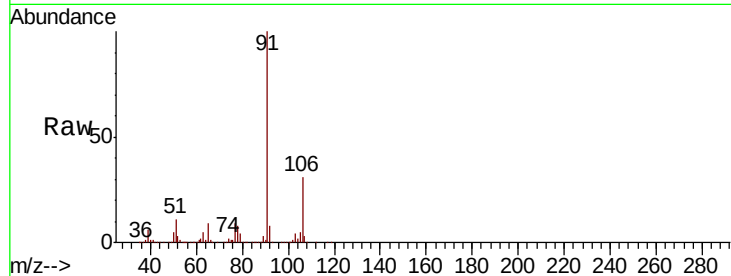
ClientSampleId :

Tot Ion: 91 Resp: 628691

Ion Ratio Lower Upper

91 100

106 31.1 21.8 40.4



#53

m,p-Xylene

Concen: 51.485 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016495.D

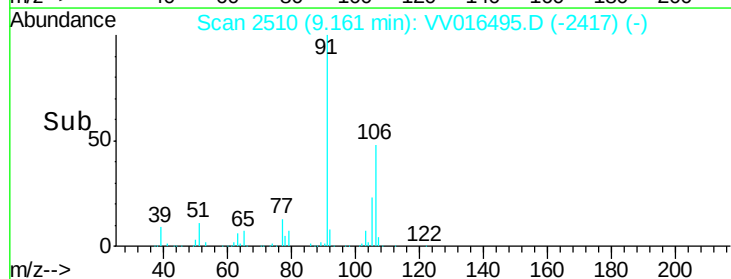
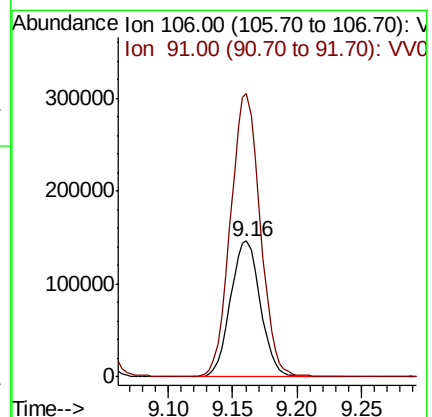
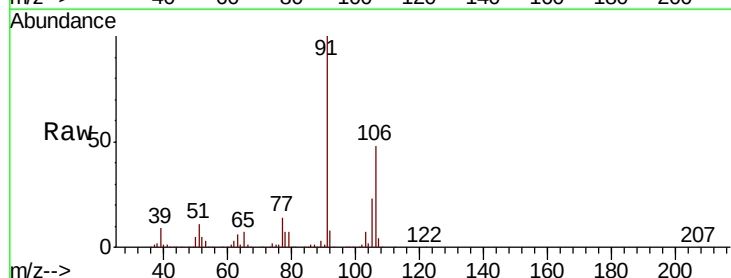
Acq: 04 Jun 2020 07:10

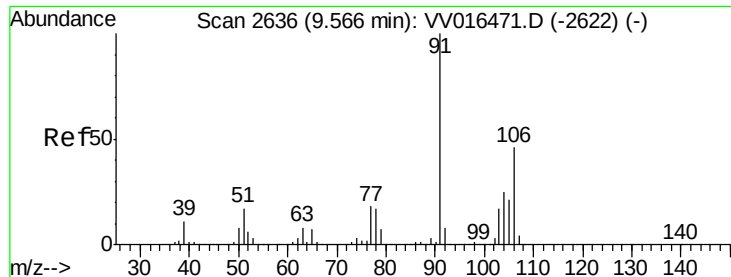
Tgt Ion: 106 Resp: 236122

Ion Ratio Lower Upper

106 100

91 208.3 142.5 264.6





#54

o-xylene

Concen: 51.672 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016495.D

Acq: 04 Jun 2020 07:10

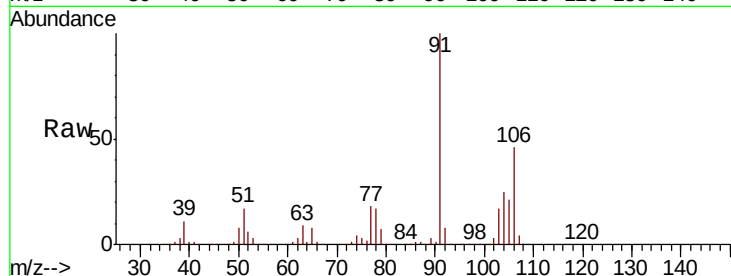
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 229512

Ion Ratio Lower Upper

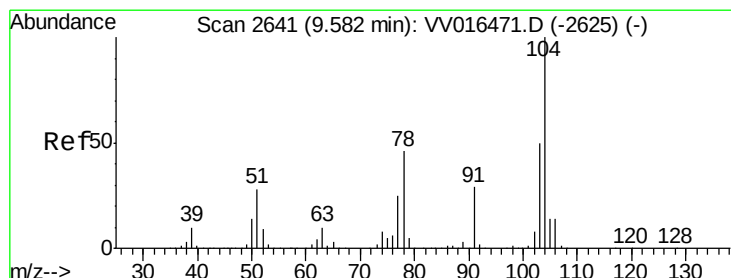
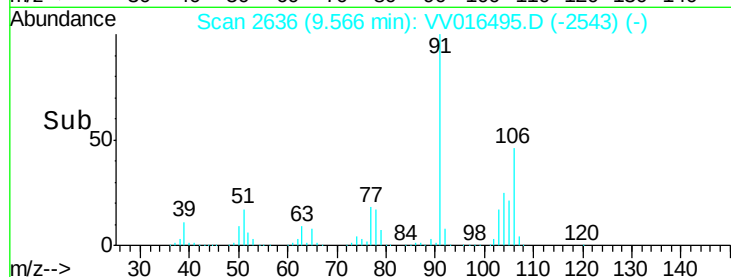
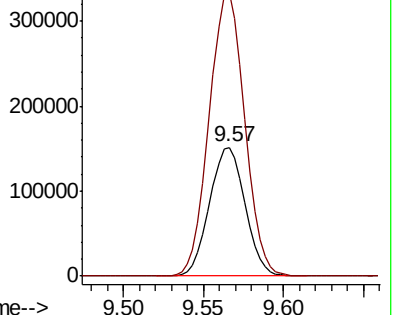
106 100

91 219.5 152.5 283.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.691 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV016495.D

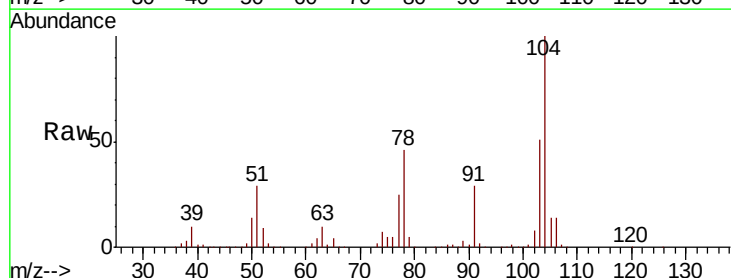
Acq: 04 Jun 2020 07:10

Tgt Ion:104 Resp: 402222

Ion Ratio Lower Upper

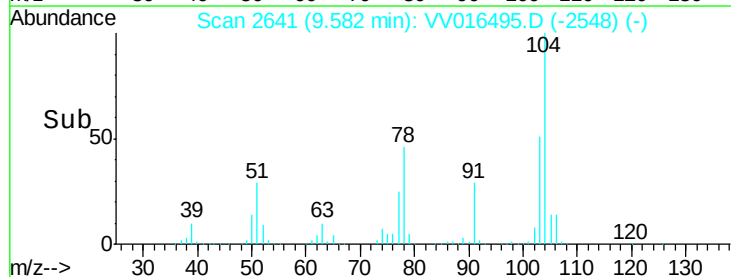
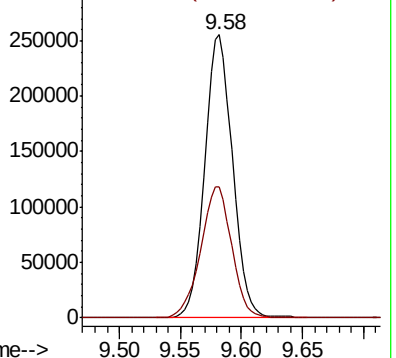
104 100

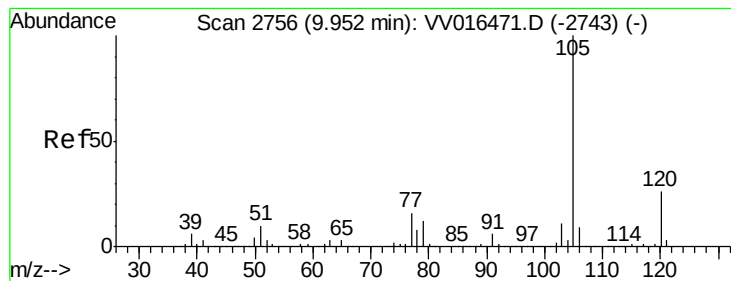
78 46.2 31.9 59.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 54.161 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016495.D

Acq: 04 Jun 2020 07:10

Instrument :
MSVOA_V
ClientSampled :

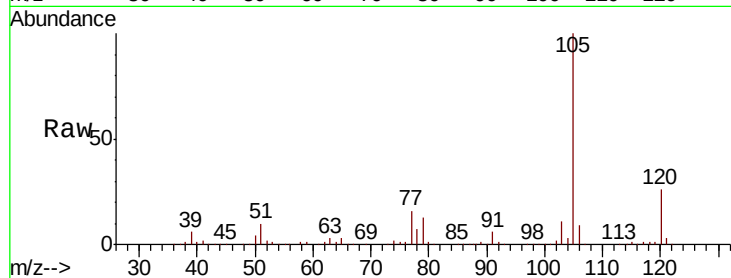
Tot Ion:105 Resp: 624866

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.6

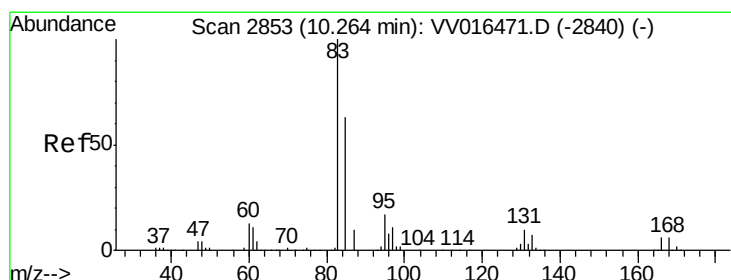
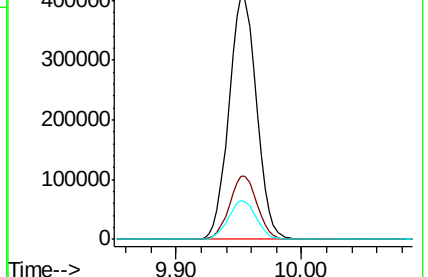
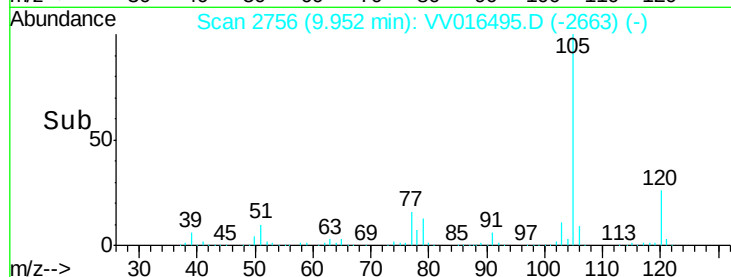
77 16.1 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 50.229 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016495.D

Acq: 04 Jun 2020 07:10

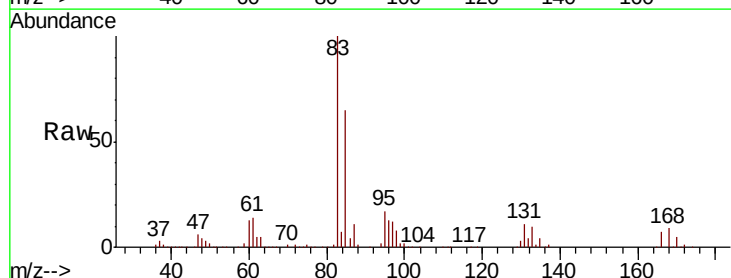
Tgt Ion: 83 Resp: 214168

Ion Ratio Lower Upper

83 100

85 64.6 44.0 81.6

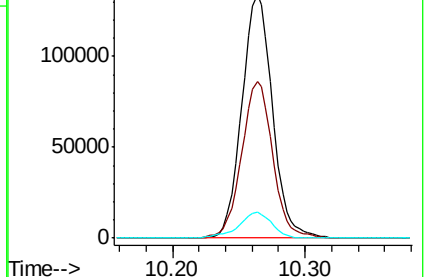
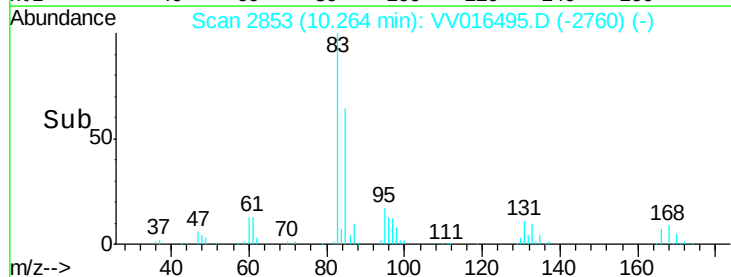
131 10.6 7.6 11.4

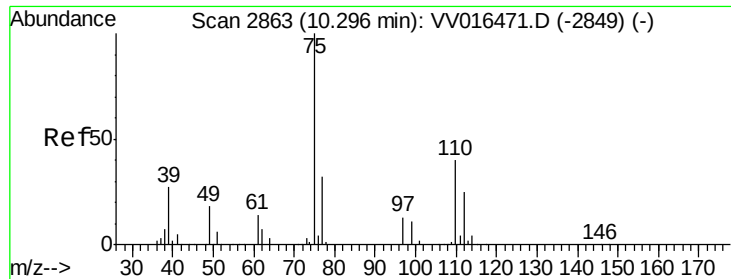


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.169 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV016495.D

Acq: 04 Jun 2020 07:10

Instrument :

MSVOA_V

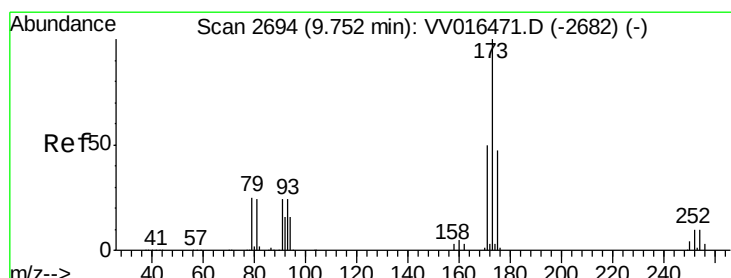
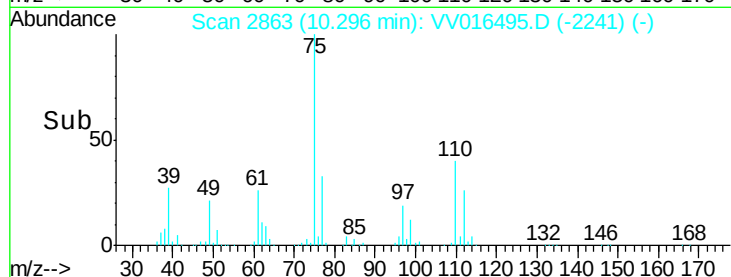
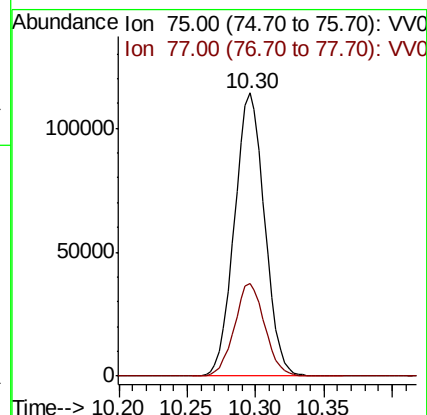
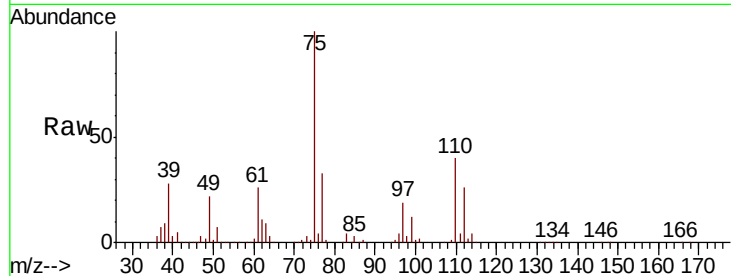
ClientSampled :

Tot Ion: 75 Resp: 175519

Ion Ratio Lower Upper

75 100

77 32.8 26.6 40.0



#61

Bromoform

Concen: 55.592 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016495.D

Acq: 04 Jun 2020 07:10

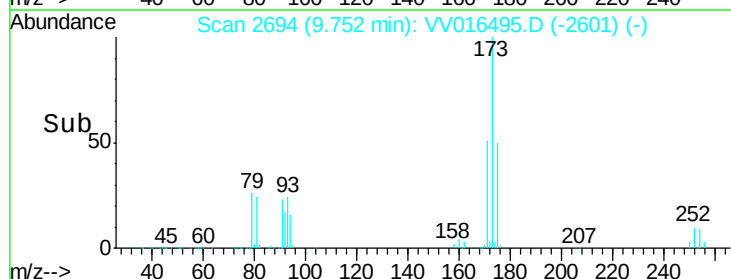
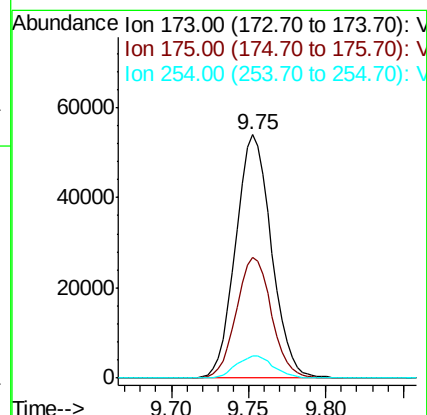
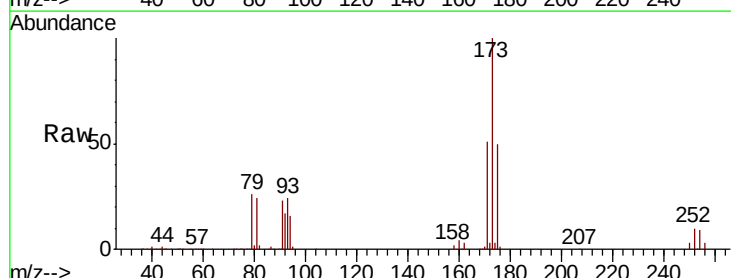
Tgt Ion: 173 Resp: 86481

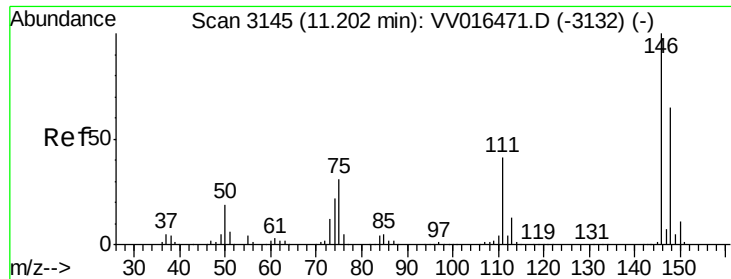
Ion Ratio Lower Upper

173 100

175 48.9 38.8 58.2

254 9.4 7.9 11.9

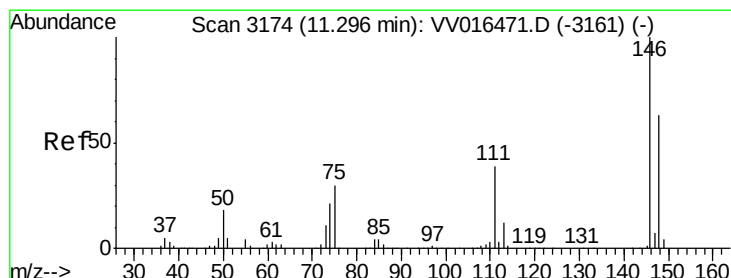
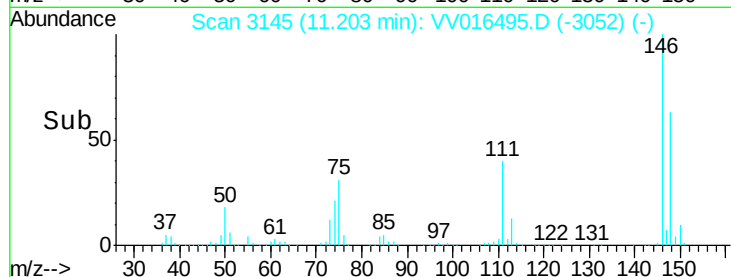
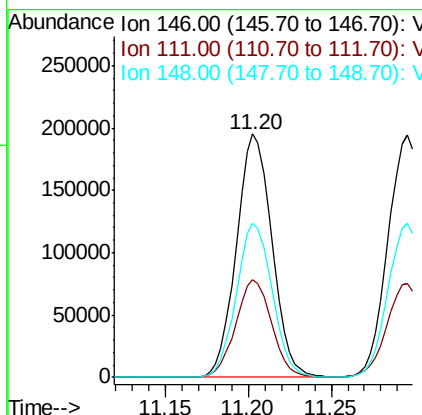
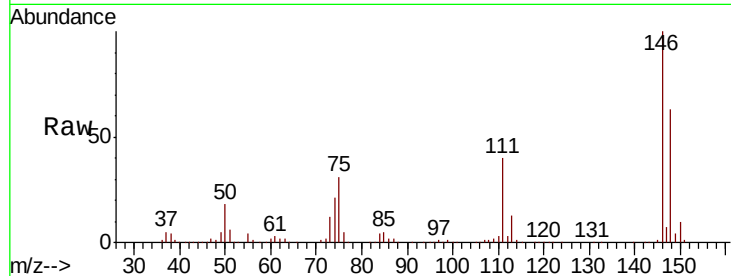




#62
 1,3-Dichlorobenzene
 Concen: 50.679 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV016495.D
 Acq: 04 Jun 2020 07:10

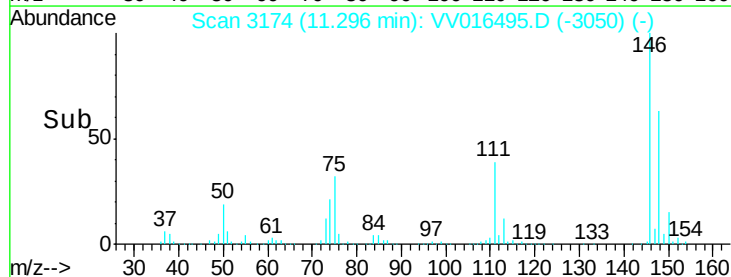
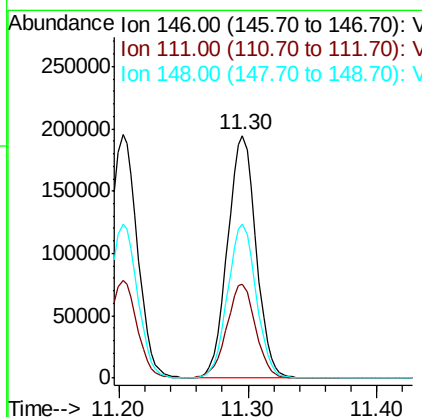
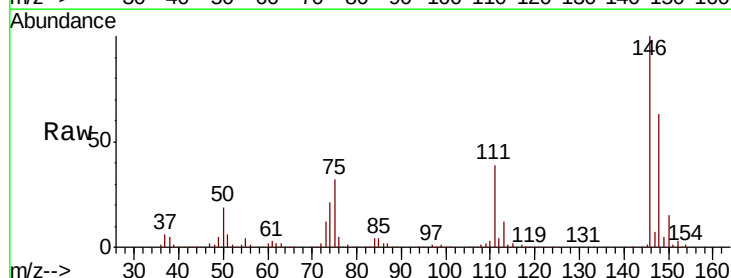
Instrument :
 MSVOA_V
 ClientSampled :

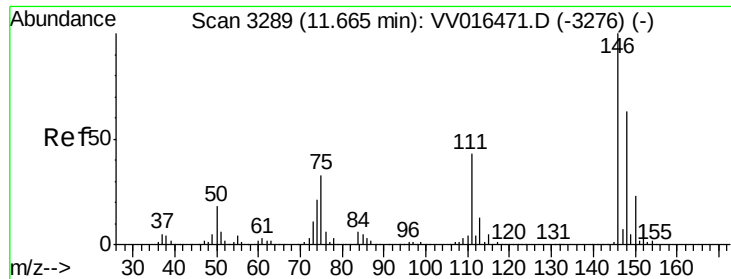
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	29.8	55.3
148	63.2	44.0	81.8



#63
 1,4-Dichlorobenzene
 Concen: 49.777 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV016495.D
 Acq: 04 Jun 2020 07:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	27.3	50.7
148	63.5	44.5	82.7

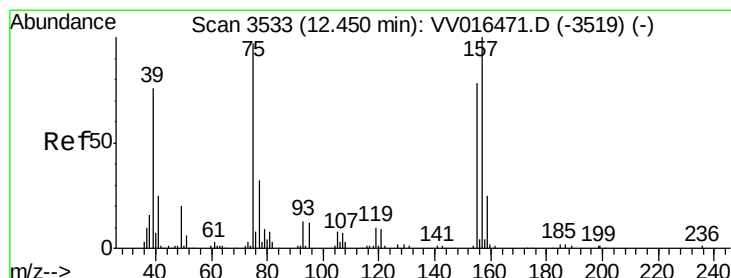
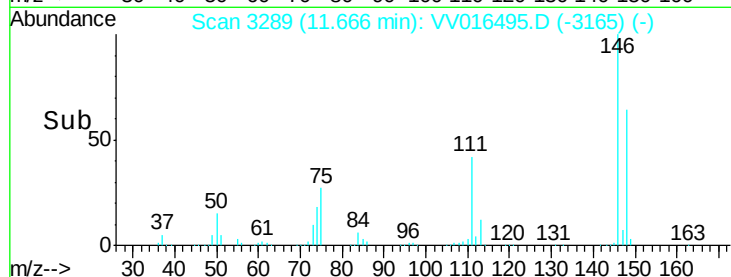
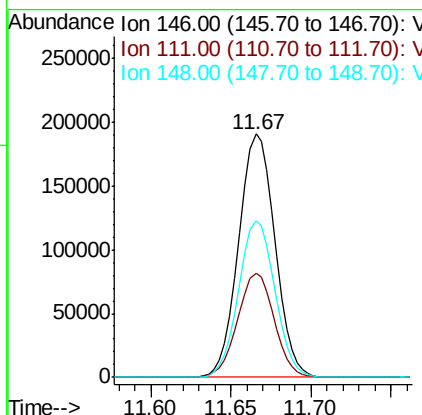
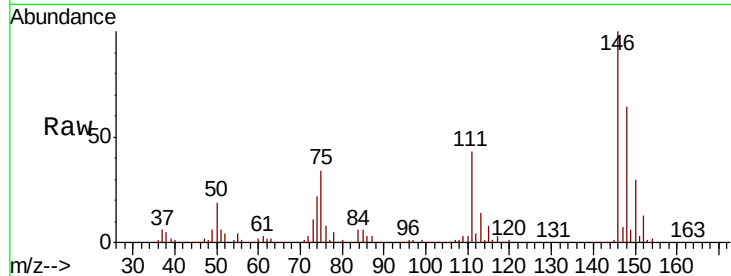




#65
 1,2-Dichlorobenzene
 Concen: 50.851 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV016495.D
 Acq: 04 Jun 2020 07:10

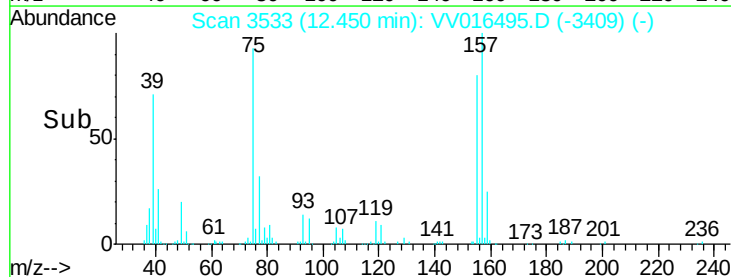
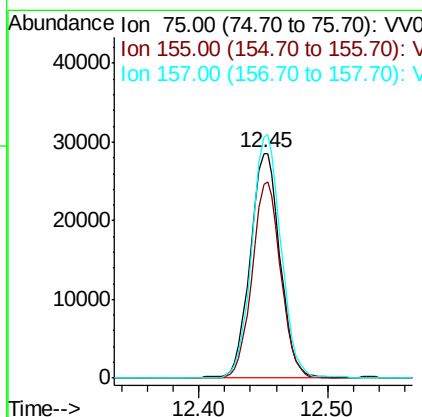
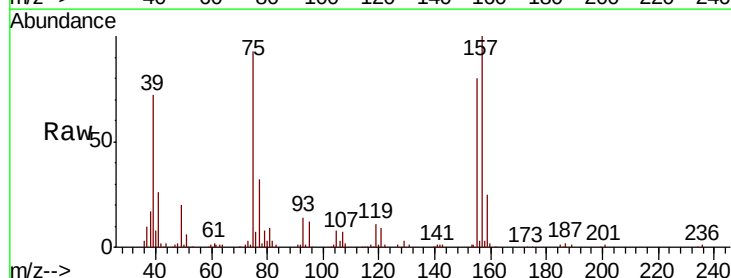
Instrument :
 MSVOA_V
 ClientSampled :

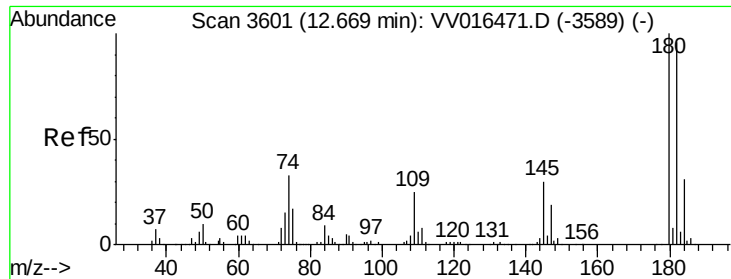
Tot Ion:146 Resp: 294626
 Ion Ratio Lower Upper
 146 100
 111 42.9 33.6 50.4
 148 64.5 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 52.511 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV016495.D
 Acq: 04 Jun 2020 07:10

Tgt Ion: 75 Resp: 46171
 Ion Ratio Lower Upper
 75 100
 155 86.1 66.2 99.2
 157 107.5 83.0 124.4

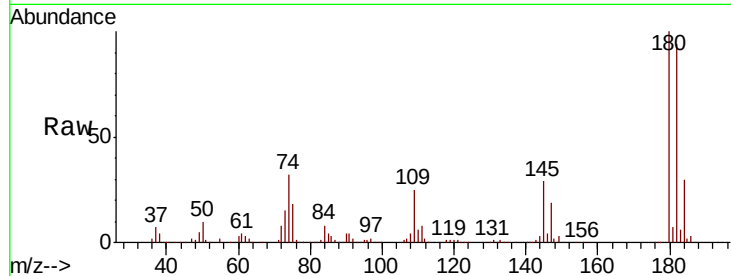




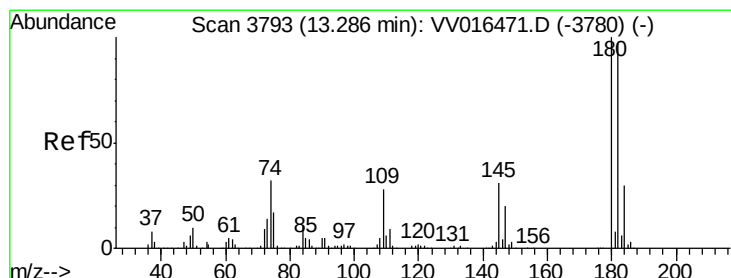
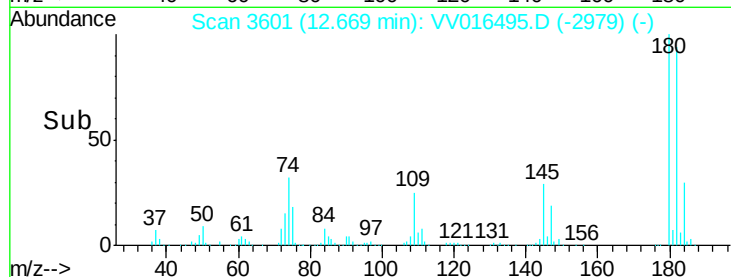
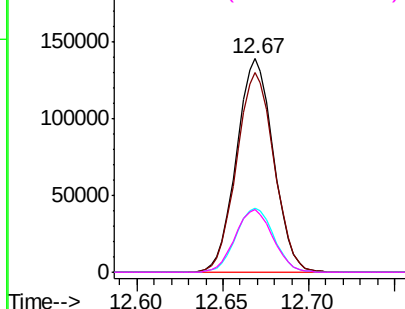
#67
 1,3,5-Trichlorobenzene
 Concen: 53.496 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016495.D
 Acq: 04 Jun 2020 07:10

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 207171
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.8 113.8
 184 30.8 24.4 36.6
 145 30.3 24.2 36.2

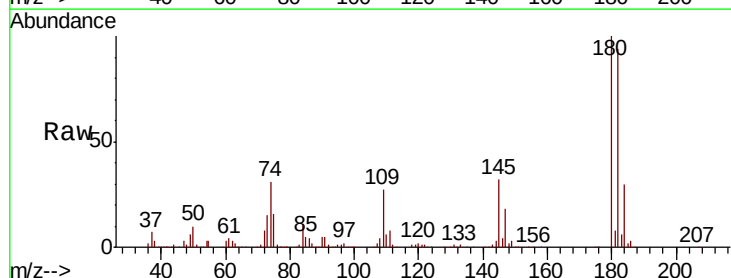


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

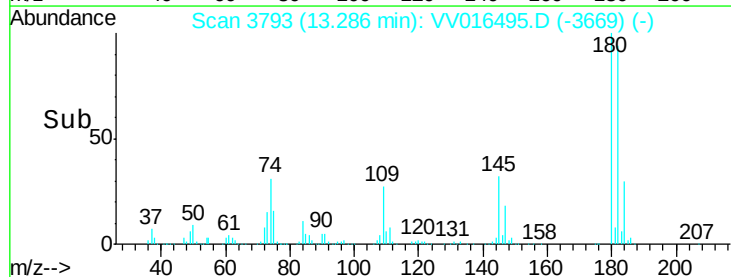
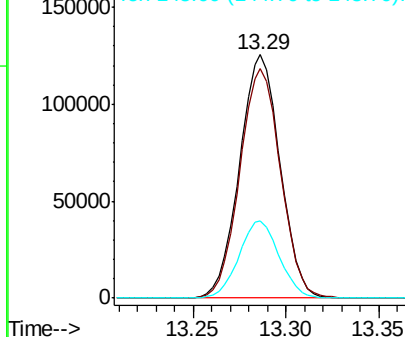


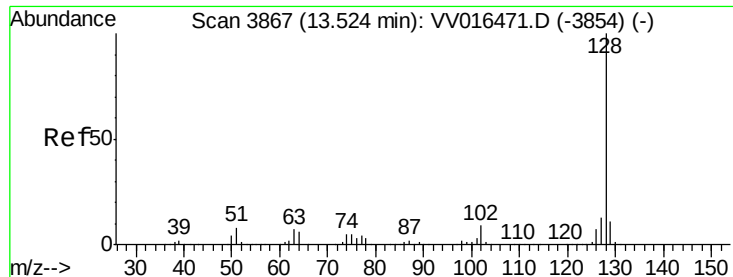
#68
 1,2,4-trichlorobenzene
 Concen: 53.021 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016495.D
 Acq: 04 Jun 2020 07:10

Tgt Ion:180 Resp: 190094
 Ion Ratio Lower Upper
 180 100
 182 95.0 74.6 111.8
 145 31.6 24.5 36.7



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





#69

Naphthalene

Concen: 53.677 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016495.D

Acq: 04 Jun 2020 07:10

Instrument :

MSVOA_V

ClientSampleId :

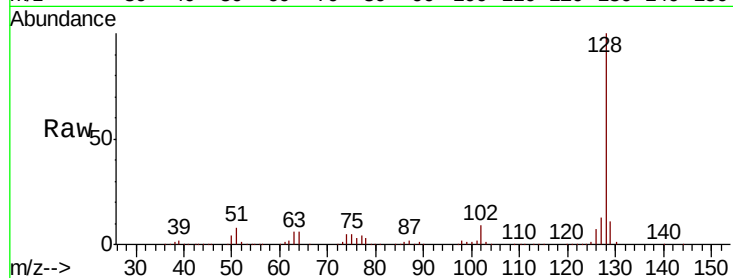
Tot Ion:128 Resp: 590689

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

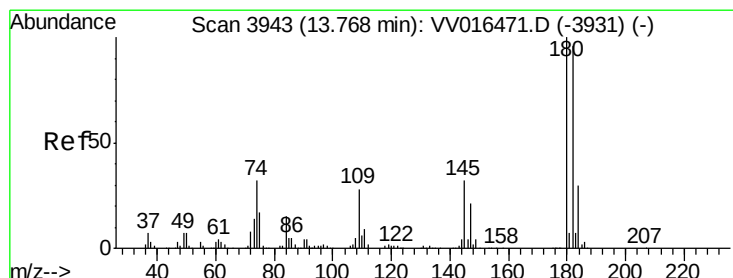
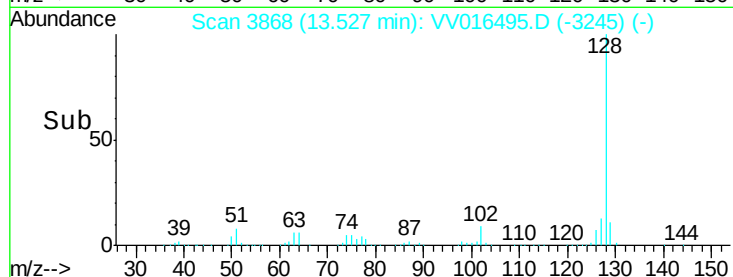
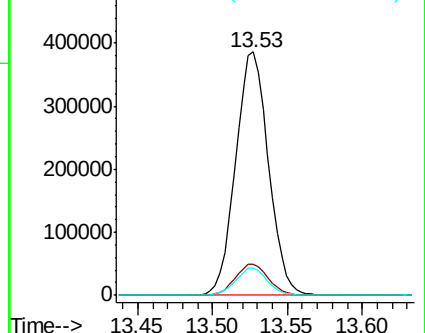
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 55.218 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016495.D

Acq: 04 Jun 2020 07:10

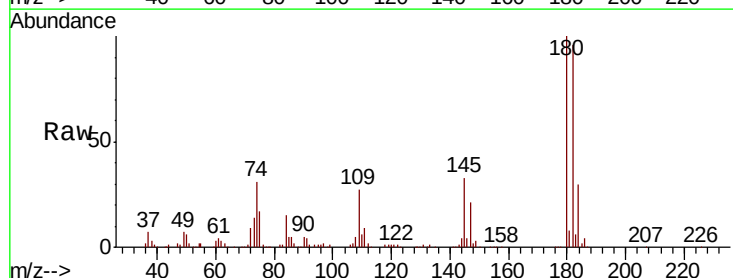
Tgt Ion:180 Resp: 188191

Ion Ratio Lower Upper

180 100

182 95.8 76.0 114.0

145 32.9 26.5 39.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

