

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060320\
 Data File : VV016471.D
 Acq On : 03 Jun 2020 20:56
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 04 01:22:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 04 01:16:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	375705	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	362088	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	189251	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	128382	48.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.48%
7) Chloroethane-d5	1.57	69	91869	47.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.64%
11) 1,1-Dichloroethene-d2	2.12	63	229620	48.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.36%
21) 2-Butanone-d5	3.89	46	188040	110.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.51%
24) Chloroform-d	4.38	84	257546	51.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.14%
26) 1,2-Dichloroethane-d4	5.06	65	171692	51.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.68%
32) Benzene-d6	5.07	84	503705	51.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.86%
36) 1,2-Dichloropropane-d6	6.09	67	156567	51.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.62%
41) Toluene-d8	7.34	98	453633	51.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.00%
43) trans-1,3-Dichloropropene-	7.64	79	75333	51.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.30%
47) 2-Hexanone-d5	8.11	63	146318	113.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.05%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	212971	51.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.92%
64) 1,2-Dichlorobenzene-d4	11.65	152	184494	51.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	153227	49.430	ug/L 99
3) Chloromethane	1.25	50	159788	53.500	ug/L 98
5) Vinyl chloride	1.32	62	141022	48.868	ug/L 98
6) Bromomethane	1.52	94	75032	49.980	ug/L 97
8) Chloroethane	1.59	64	80287	49.644	ug/L 97
9) Trichlorofluoromethane	1.76	101	207093	49.694	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	105129	48.502	ug/L 99
12) 1,1-Dichloroethene	2.13	96	99749	47.822	ug/L 93
13) Acetone	2.17	43	112562	70.781	ug/L 97
14) Carbon disulfide	2.31	76	347257	48.087	ug/L 99
15) Methyl Acetate	2.44	43	147363	50.416	ug/L 100
16) Methylene chloride	2.52	84	138826	47.210	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	130805	49.701	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	423252	51.947	ug/L 99
19) 1,1-Dichloroethane	3.21	63	245696	50.479	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	141014	49.648	ug/L 94
22) 2-Butanone	3.98	43	201095	101.904	ug/L 98

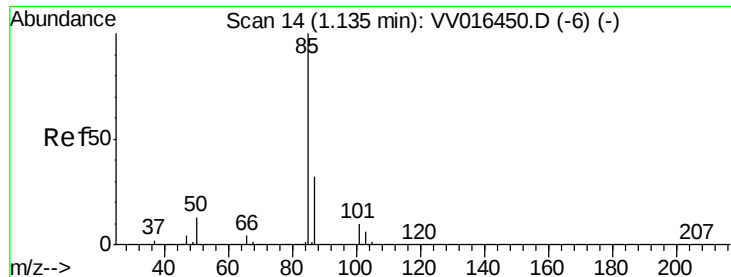
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060320\
 Data File : VV016471.D
 Acq On : 03 Jun 2020 20:56
 Operator : SY/MD
 Sample : VSTDCCC050
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Quant Time: Jun 04 01:22:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 04 01:16:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	74459	50.946	ug/L	99
25) Chloroform	4.40	83	253620	49.714	ug/L	98
27) 1,2-Dichloroethane	5.15	62	209329	50.498	ug/L	98
29) Cyclohexane	4.70	56	225332	52.433	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	226647	51.361	ug/L	98
31) Carbon tetrachloride	4.86	117	194110	51.147	ug/L	98
33) Benzene	5.13	78	539587	50.670	ug/L	100
34) Trichloroethene	5.94	95	140520	50.289	ug/L	96
35) Methylcyclohexane	6.15	83	219608	54.754	ug/L	99
37) 1,2-Dichloropropane	6.20	63	142457	51.324	ug/L	99
38) Bromodichloromethane	6.53	83	178829	50.143	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	214711	53.054	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	408260	106.897	ug/L	99
42) Toluene	7.41	91	575077	50.963	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	206681	52.051	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	135203	50.376	ug/L	99
46) Tetrachloroethene	8.00	164	109396	50.777	ug/L	98
48) 2-Hexanone	8.16	43	312397	105.214	ug/L	98
49) Dibromochloromethane	8.27	129	137969	52.877	ug/L	99
50) 1,2-Dibromoethane	8.37	107	144865	51.025	ug/L	99
51) Chlorobenzene	8.90	112	364590	49.160	ug/L	100
52) Ethylbenzene	9.03	91	636351	51.814	ug/L	100
53) m,p-Xylene	9.16	106	239513	51.720	ug/L	97
54) o-xylene	9.57	106	235237	52.450	ug/L	99
55) Styrene	9.58	104	410912	52.298	ug/L	100
56) Isopropylbenzene	9.95	105	632431	54.287	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	219647	51.017	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	178442	51.519	ug/L	98
61) Bromoform	9.75	173	87755	55.378	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	293844	50.113	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	298288	49.029	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	297725	50.445	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	45564	50.872	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	211758	53.679	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	191134	52.335	ug/L	98
69) Naphthalene	13.52	128	594415	53.026	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	191880	55.269	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 49.430 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV016471.D

Acq: 03 Jun 2020 20:56

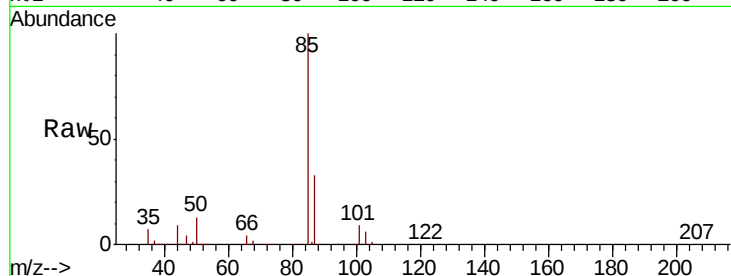
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 153227

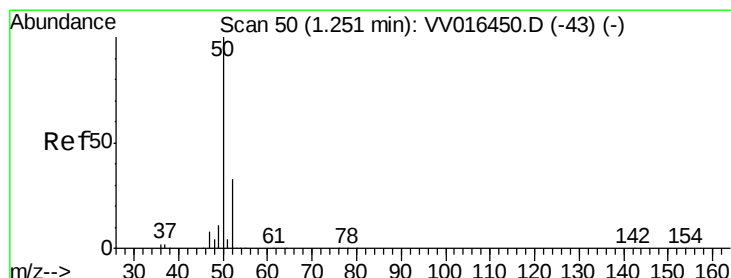
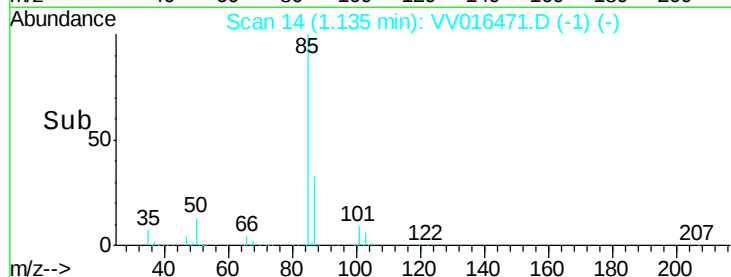
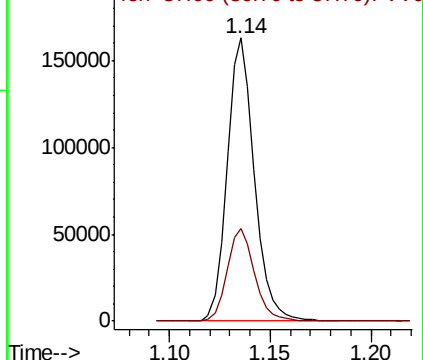
Ion Ratio Lower Upper

85 100

87 33.0 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: 53.500 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016471.D

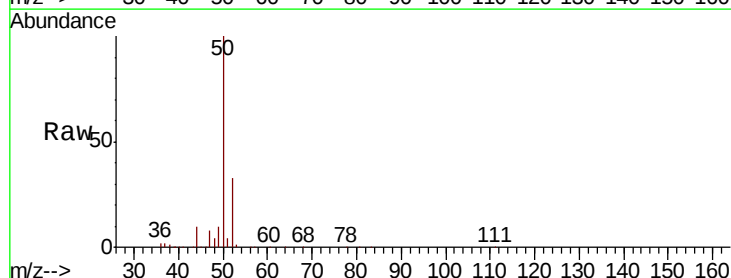
Acq: 03 Jun 2020 20:56

Tgt Ion: 50 Resp: 159788

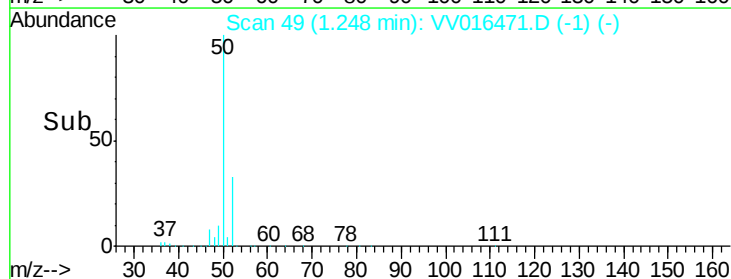
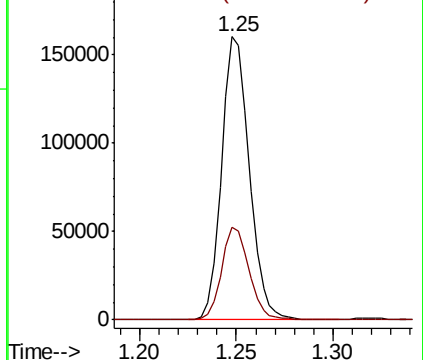
Ion Ratio Lower Upper

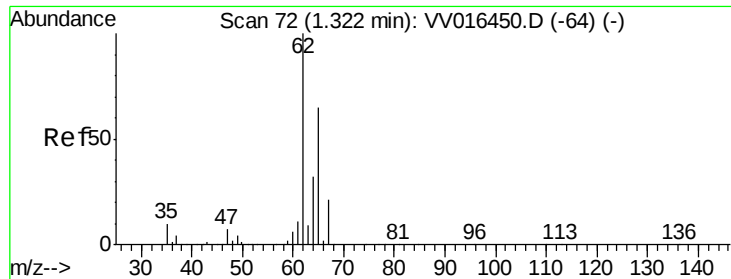
50 100

52 32.7 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: 48.868 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016471.D

Acq: 03 Jun 2020 20:56

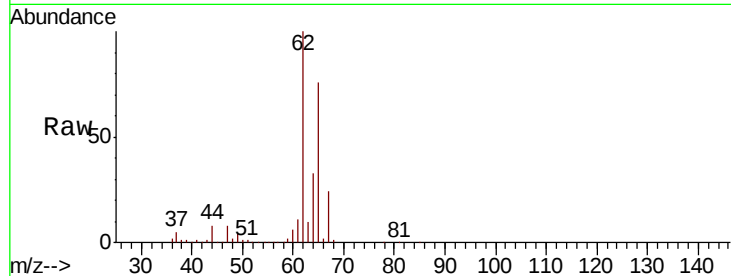
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 141022

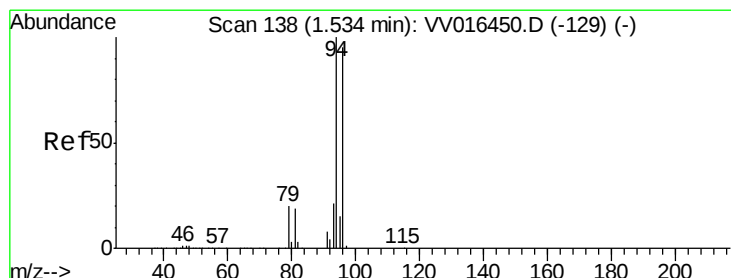
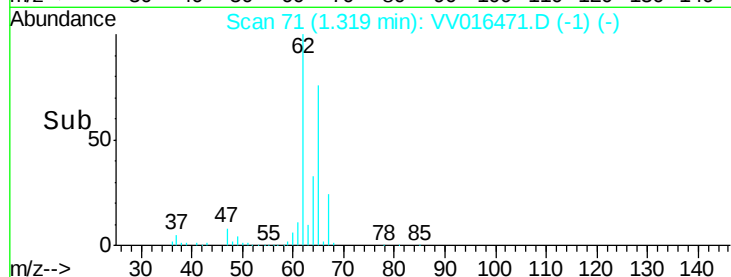
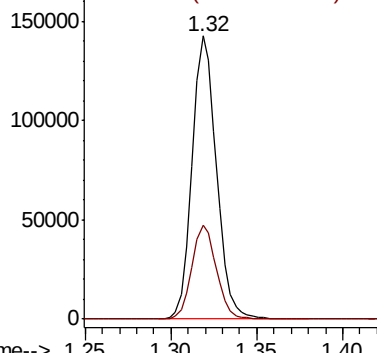
Ion Ratio Lower Upper

62 100

64 33.3 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 49.980 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.01 min

Lab File: VV016471.D

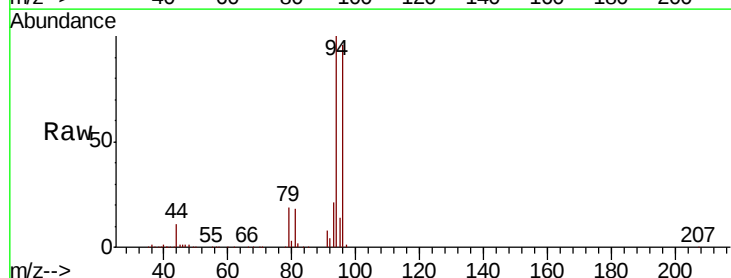
Acq: 03 Jun 2020 20:56

Tgt Ion: 94 Resp: 75032

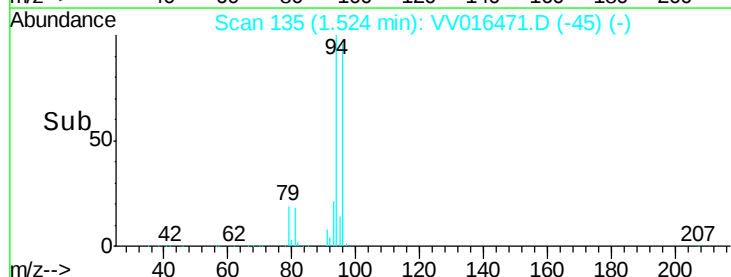
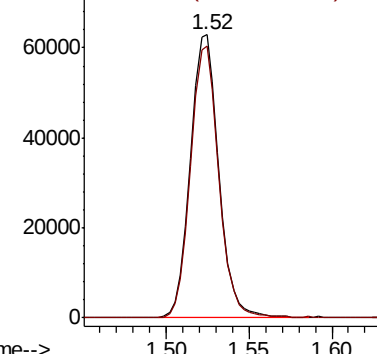
Ion Ratio Lower Upper

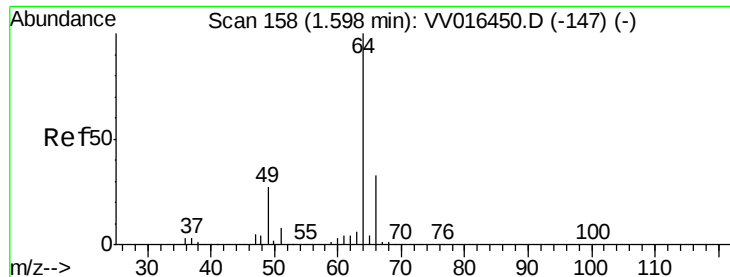
94 100

96 95.9 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0
Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 49.644 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VV016471.D

Acq: 03 Jun 2020 20:56

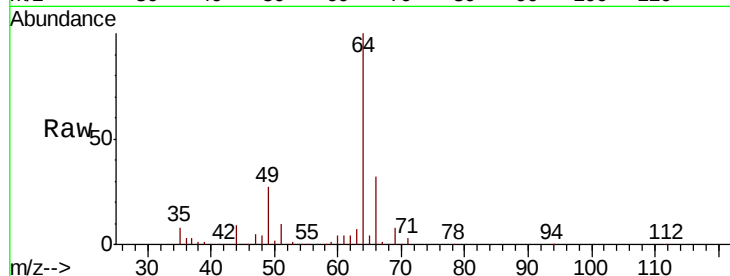
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 80287

Ion Ratio Lower Upper

64 100

66 32.0 21.4 39.8



Abundance Ion 64.00 (63.70 to 64.70): VV016471.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV016471.D (-147) (-)

1.59

80000

60000

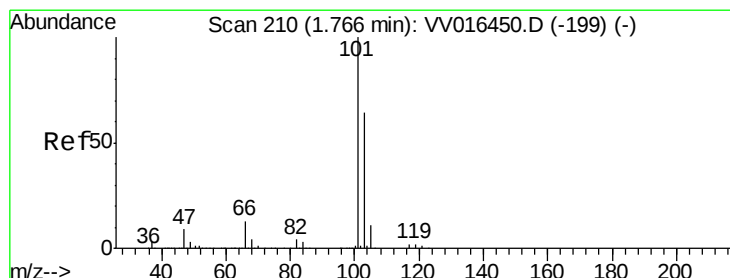
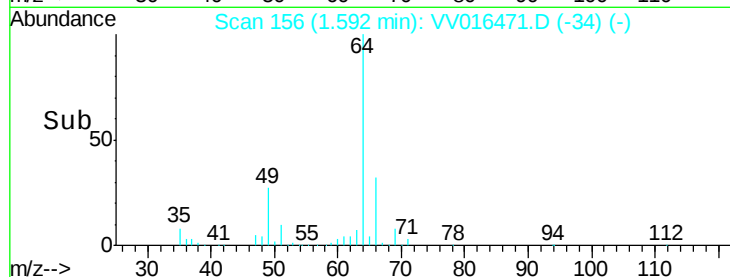
40000

20000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 49.694 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV016471.D

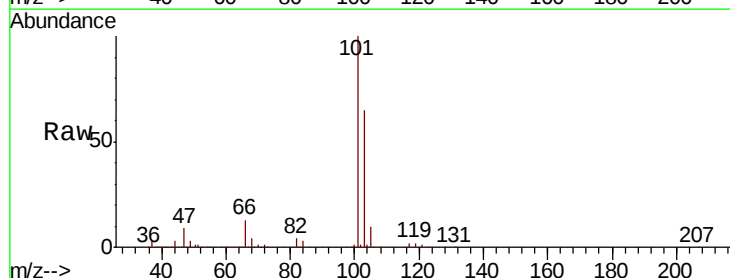
Acq: 03 Jun 2020 20:56

Tgt Ion: 101 Resp: 207093

Ion Ratio Lower Upper

101 100

103 64.4 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VV016471.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV016471.D (-199) (-)

1.76

150000

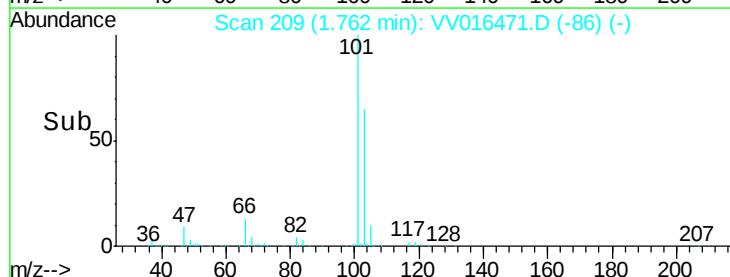
100000

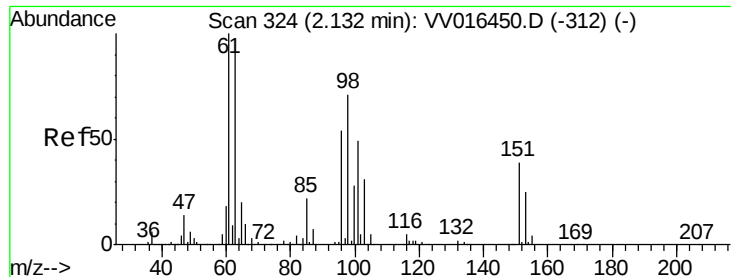
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 48.502 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV016471.D

Acq: 03 Jun 2020 20:56

Instrument :

MSVOA_V

ClientSampled :

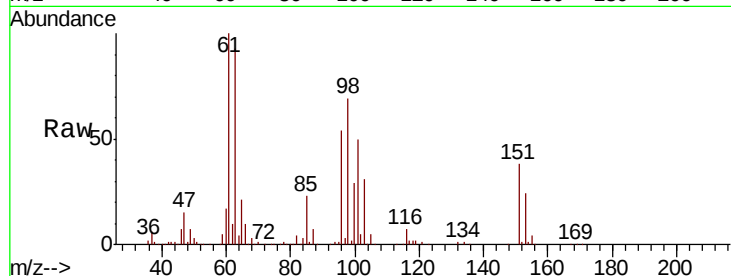
Tot Ion:101 Resp: 105129

Ion Ratio Lower Upper

101 100

85 45.3 35.6 53.4

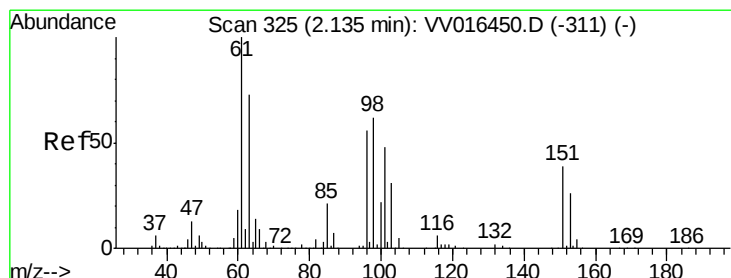
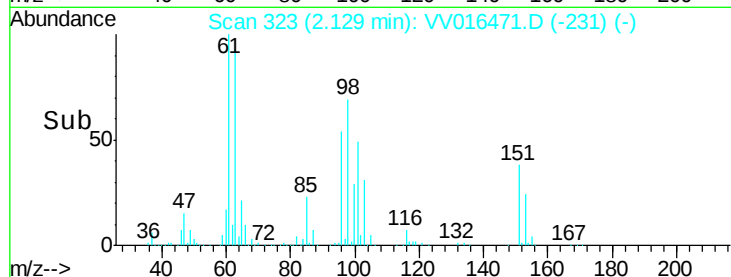
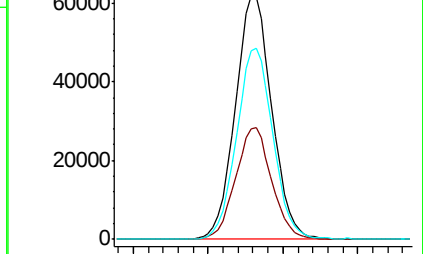
151 78.0 61.8 92.8



Abundance Ion 101.00 (100.70 to 101.70): VV016471.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV016471.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV016471.D (-231) (-)



#12

1,1-Dichloroethene

Concen: 47.822 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016471.D

Acq: 03 Jun 2020 20:56

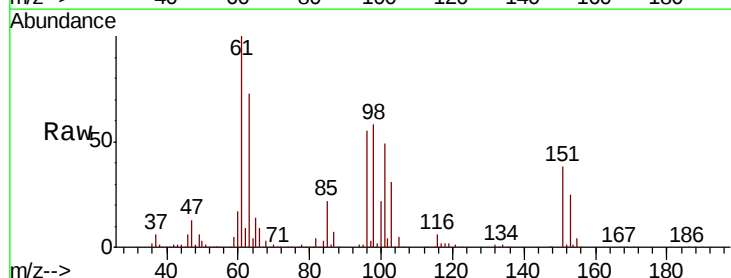
Tgt Ion: 96 Resp: 99749

Ion Ratio Lower Upper

96 100

61 181.4 125.5 233.1

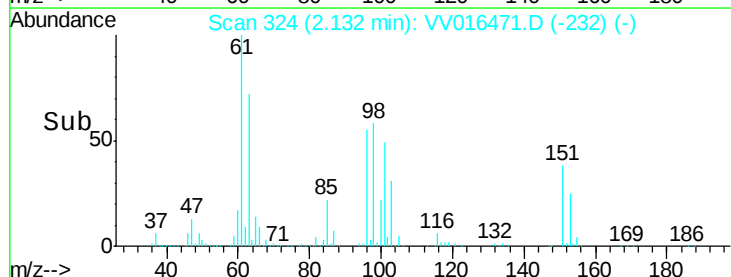
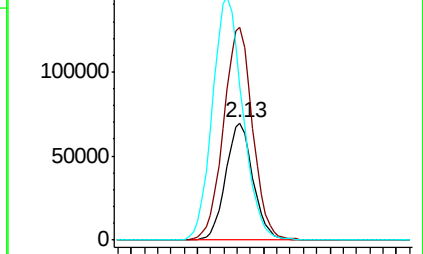
63 131.5 104.0 193.1

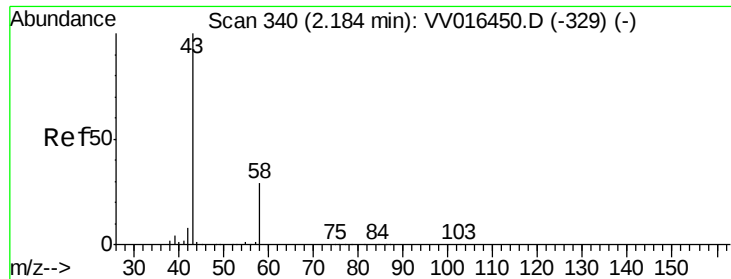


Abundance Ion 96.00 (95.70 to 96.70): VV016471.D (-232) (-)

Ion 61.00 (60.70 to 61.70): VV016471.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV016471.D (-232) (-)





#13

Acetone

Concen: 70.781 ug/L

RT: 2.17 min Scan# 336

Delta R.T. -0.01 min

Lab File: VV016471.D

Acq: 03 Jun 2020 20:56

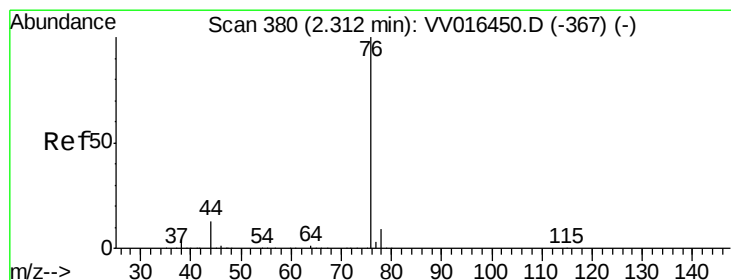
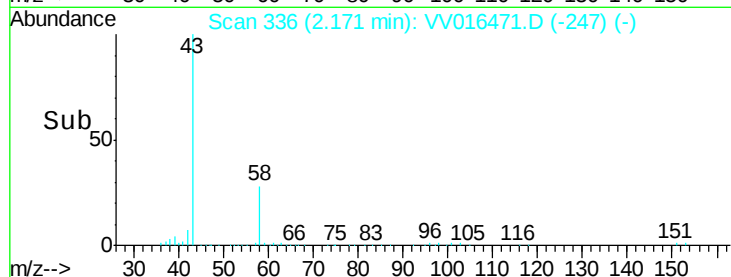
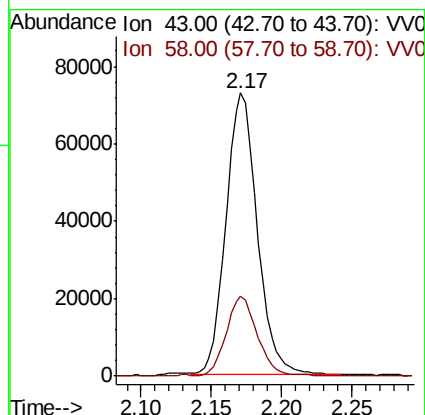
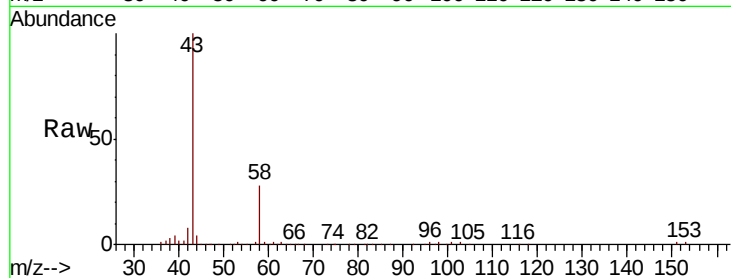
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 112562

Ion Ratio Lower Upper

43 100

58 27.2 0.0 57.2



#14

Carbon disulfide

Concen: 48.087 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV016471.D

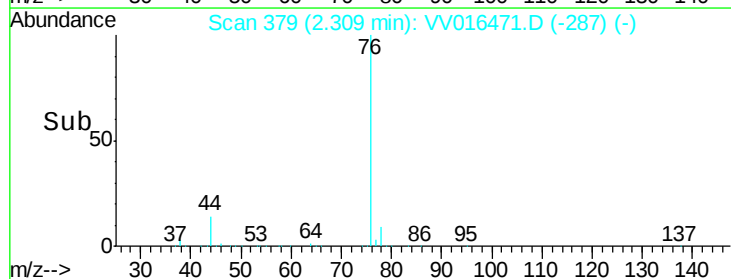
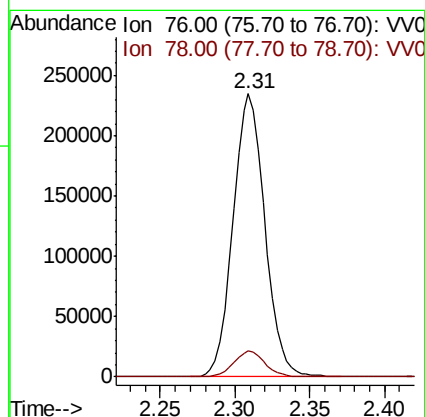
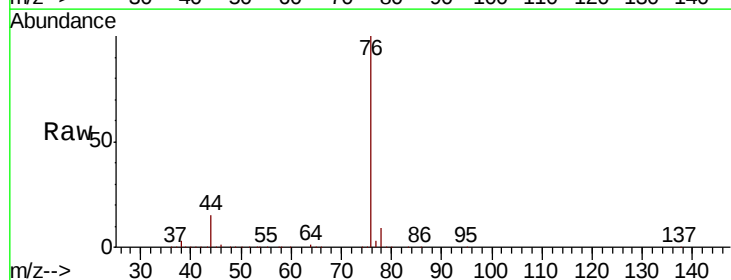
Acq: 03 Jun 2020 20:56

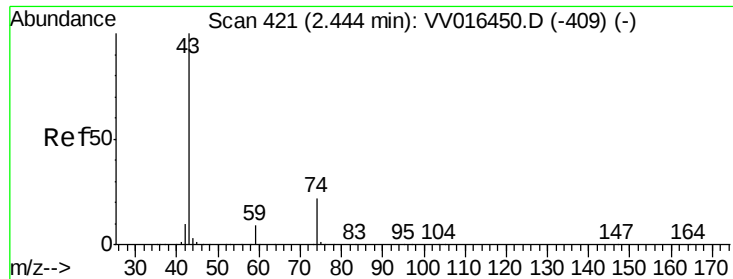
Tgt Ion: 76 Resp: 347257

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4

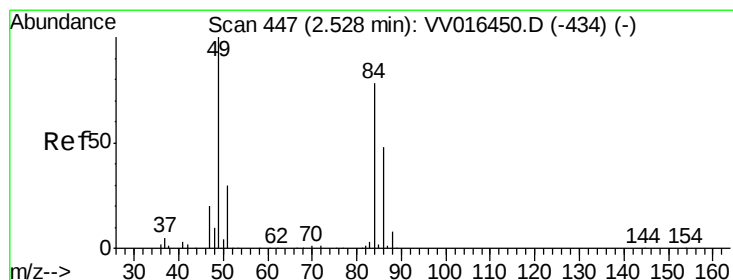
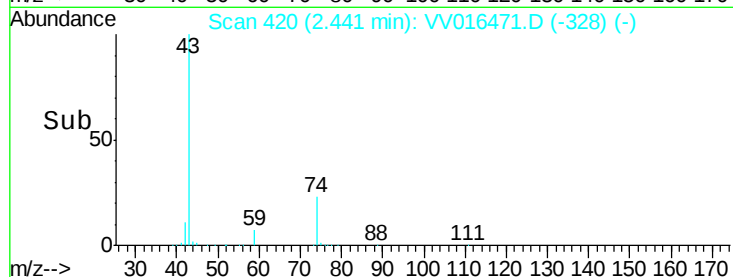
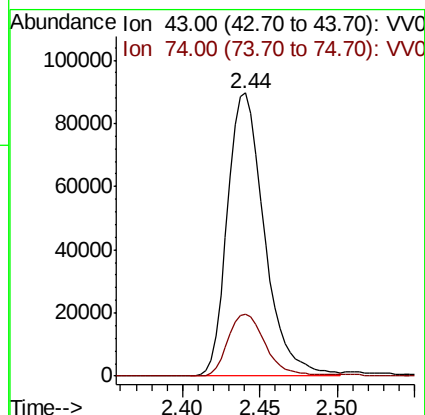
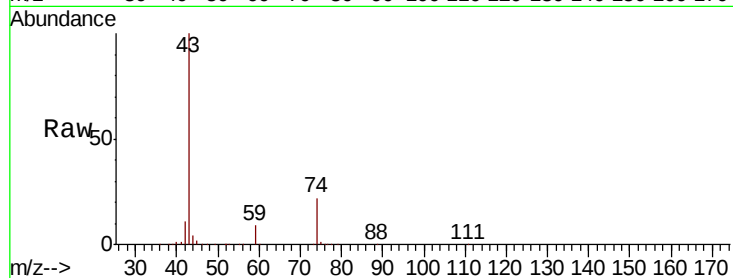




#15
Methvl Acetate
Concen: 50.416 ug/L
RT: 2.44 min Scan# 420
Delta R.T. -0.00 min
Lab File: VV016471.D
Acq: 03 Jun 2020 20:56

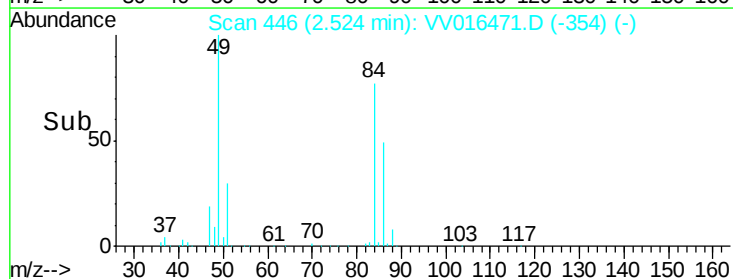
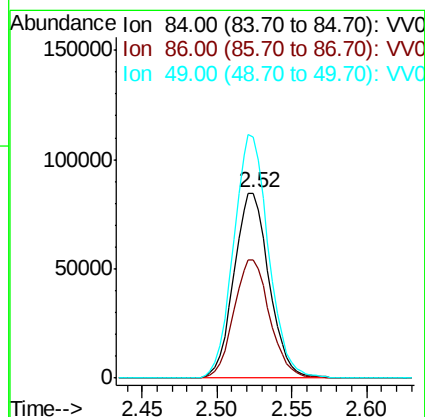
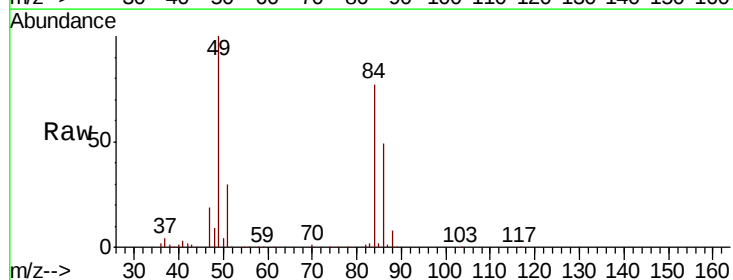
Instrument :
MSVOA_V
ClientSampled :

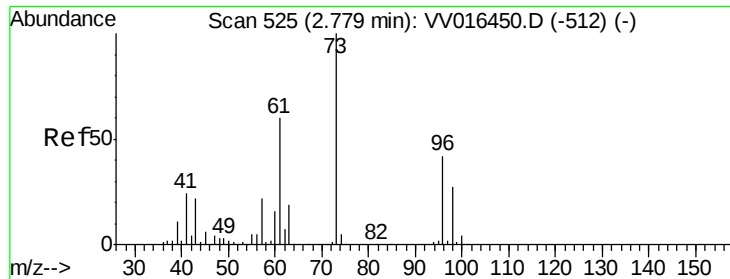
Tot Ion: 43 Resp: 147363
Ion Ratio Lower Upper
43 100
74 22.7 18.1 27.1



#16
Methylene chloride
Concen: 47.210 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV016471.D
Acq: 03 Jun 2020 20:56

Tgt Ion: 84 Resp: 138826
Ion Ratio Lower Upper
84 100
86 64.2 45.1 83.9
49 130.5 92.4 171.6

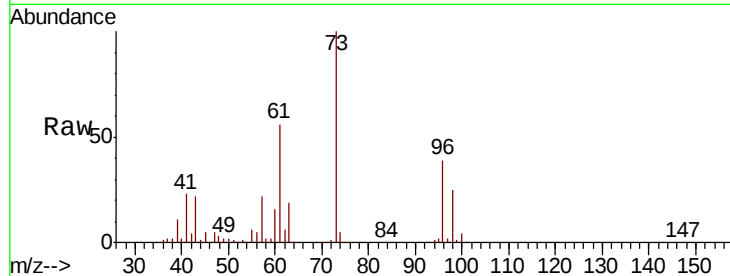




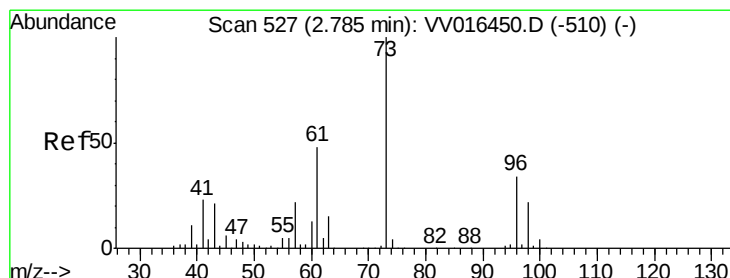
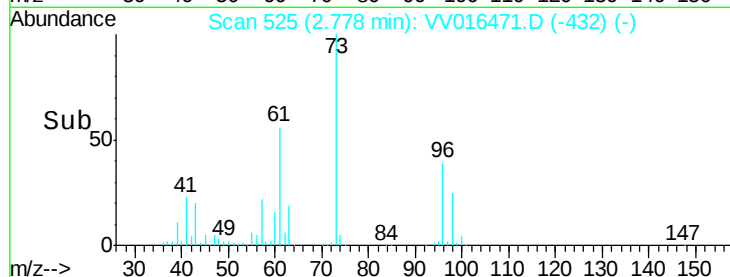
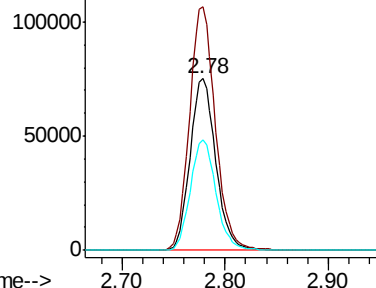
#17
trans-1,2-Dichloroethene
Concen: 49.701 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV016471.D
Acq: 03 Jun 2020 20:56

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 130805
Ion Ratio Lower Upper
96 100
61 141.9 101.0 187.6
98 64.3 44.7 83.1

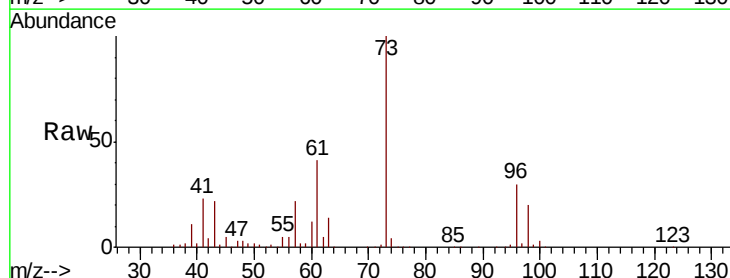


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

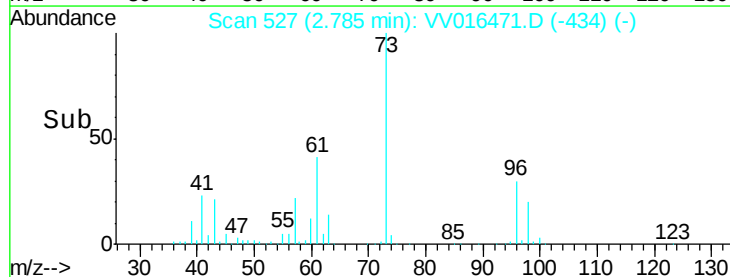
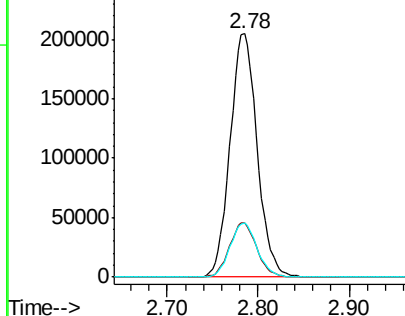


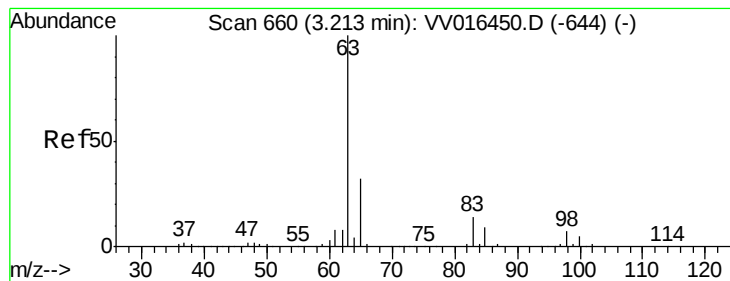
#18
Methyl tert-butyl Ether
Concen: 51.947 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV016471.D
Acq: 03 Jun 2020 20:56

Tgt Ion: 73 Resp: 423252
Ion Ratio Lower Upper
73 100
43 21.9 17.0 25.4
57 22.2 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: 50.479 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV016471.D

Acq: 03 Jun 2020 20:56

Instrument :

MSVOA_V

ClientSampled :

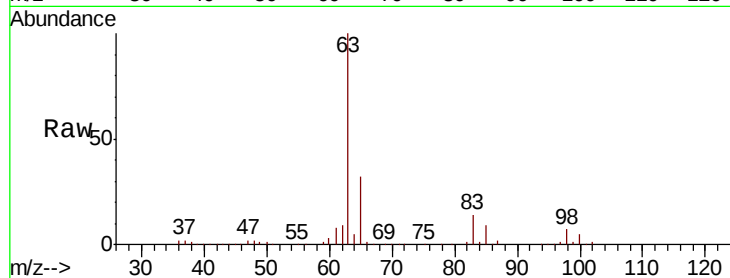
Tot Ion: 63 Resp: 245696

Ion Ratio Lower Upper

63 100

65 31.9 22.2 41.2

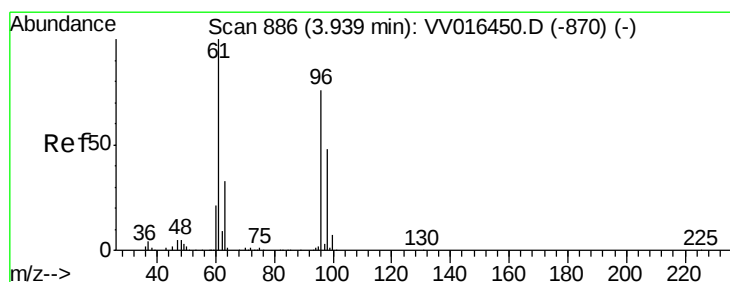
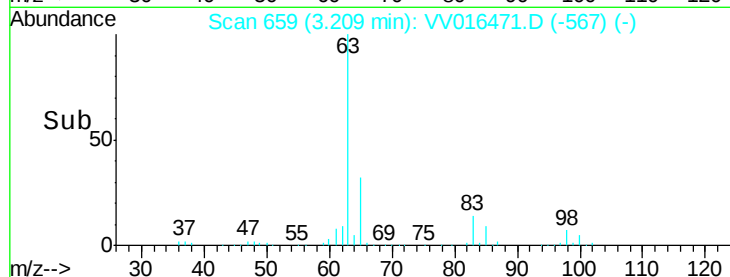
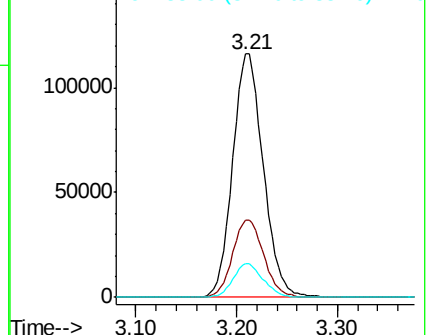
83 13.9 9.1 16.9



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 49.648 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV016471.D

Acq: 03 Jun 2020 20:56

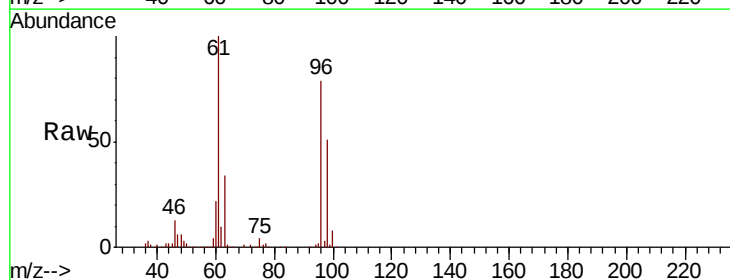
Tgt Ion: 96 Resp: 141014

Ion Ratio Lower Upper

96 100

61 126.4 93.4 173.4

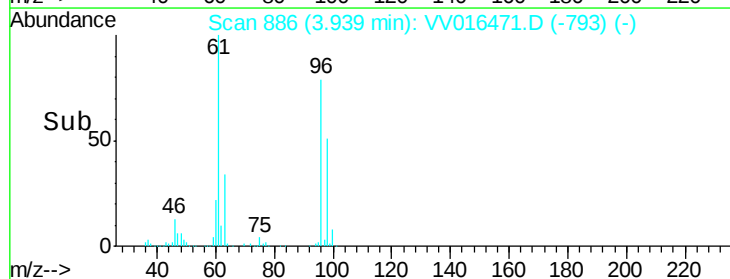
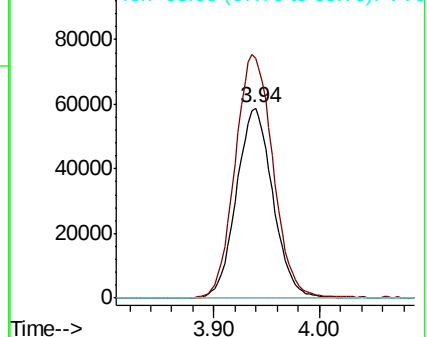
68 0.0 0.0 0.0

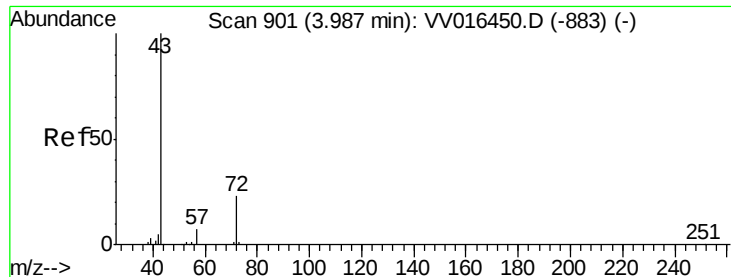


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 101.904 ug/L

RT: 3.98 min Scan# 898

Delta R.T. -0.01 min

Lab File: VV016471.D

Acq: 03 Jun 2020 20:56

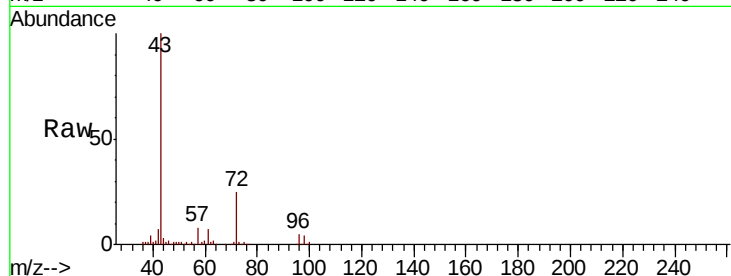
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 201095

Ion Ratio Lower Upper

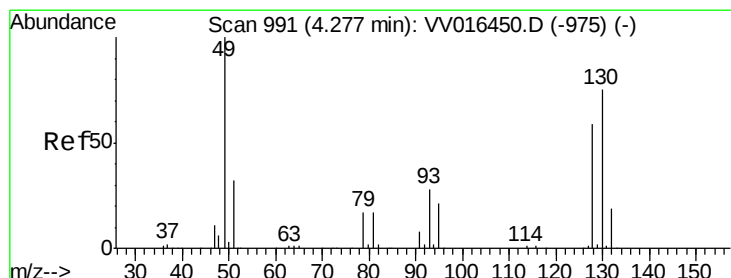
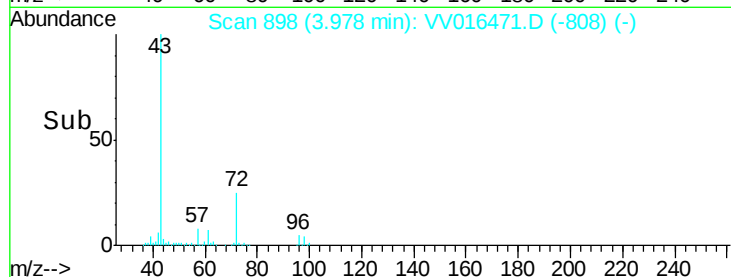
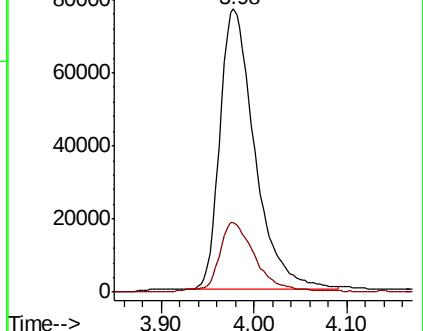
43 100

72 24.6 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VV016471.D (-898) (-)

Ion 72.00 (71.70 to 72.70): VV016471.D (-898) (-)



#23

Bromochloromethane

Concen: 50.946 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV016471.D

Acq: 03 Jun 2020 20:56

Tgt Ion:128 Resp: 74459

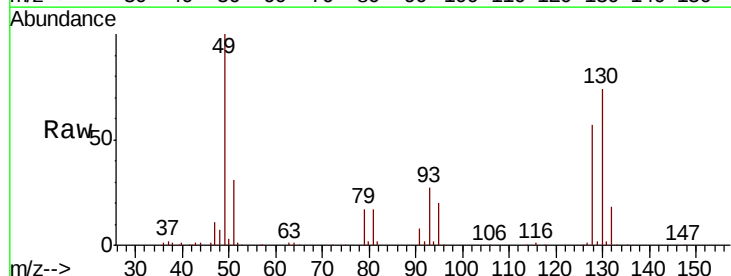
Ion Ratio Lower Upper

128 100

49 175.3 121.7 225.9

130 129.6 90.1 167.3

51 53.6 43.8 65.6

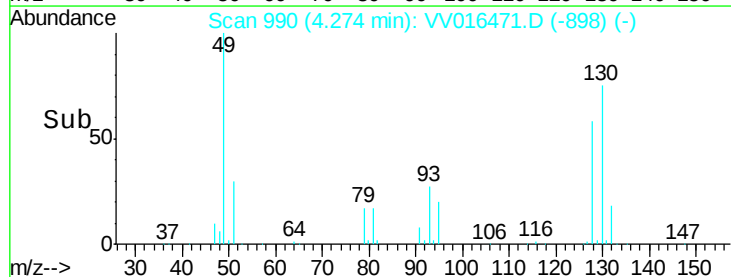
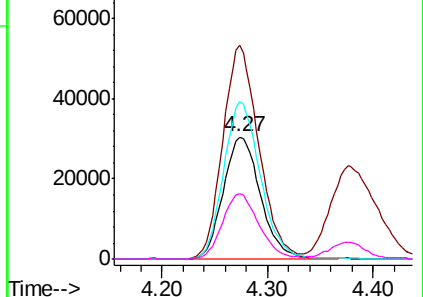


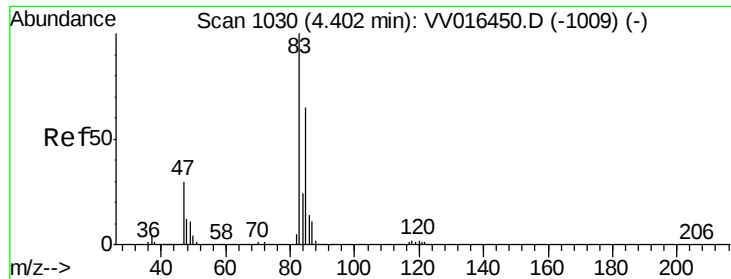
Abundance Ion 128.00 (127.70 to 128.70): VV016471.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV016471.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV016471.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV016471.D (-898) (-)





#25

Chloroform

Concen: 49.714 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VV016471.D

Acq: 03 Jun 2020 20:56

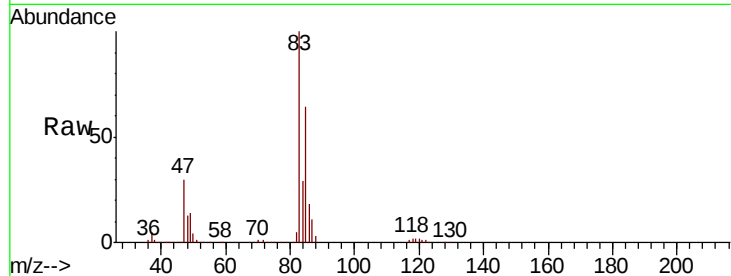
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 253620

Ion Ratio Lower Upper

83 100

85 64.3 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VV016471.D (-937) (-)

Ion 85.00 (84.70 to 85.70): VV016471.D (-937) (-)

120000

100000

80000

60000

40000

20000

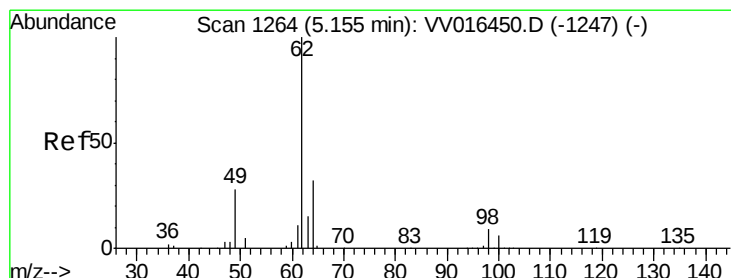
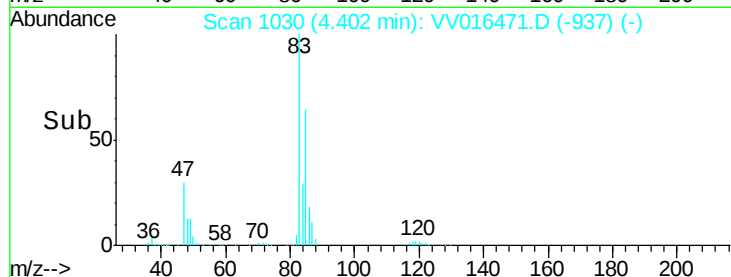
0

4.30

4.40

4.50

Time-->



#27

1,2-Dichloroethane

Concen: 50.498 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VV016471.D

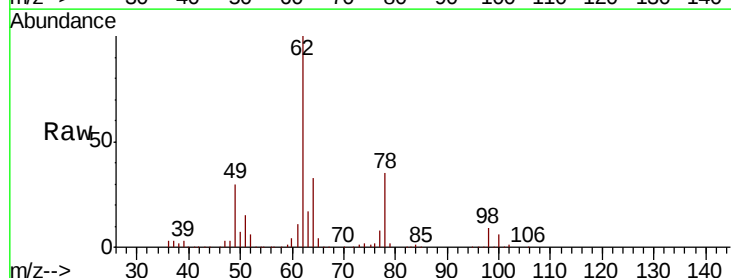
Acq: 03 Jun 2020 20:56

Tgt Ion: 62 Resp: 209329

Ion Ratio Lower Upper

62 100

98 9.4 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VV016471.D (-1171) (-)

Ion 98.00 (97.70 to 98.70): VV016471.D (-1171) (-)

100000

80000

60000

40000

20000

0

5.05

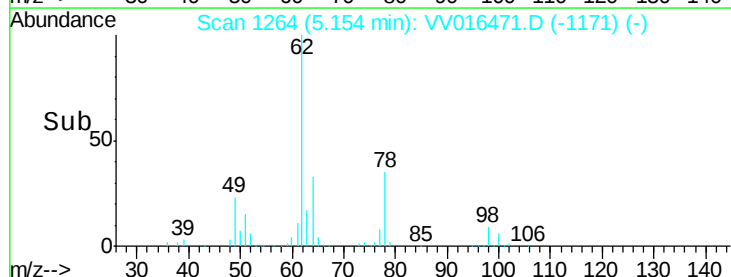
5.10

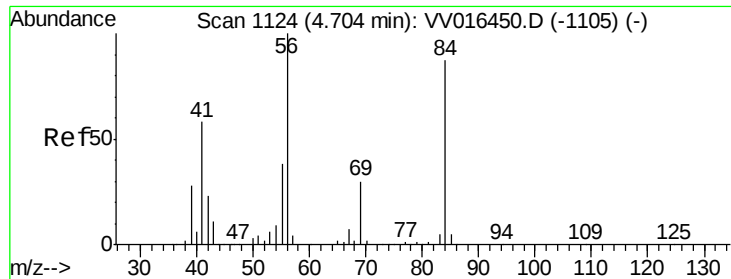
5.15

5.20

5.25

Time-->

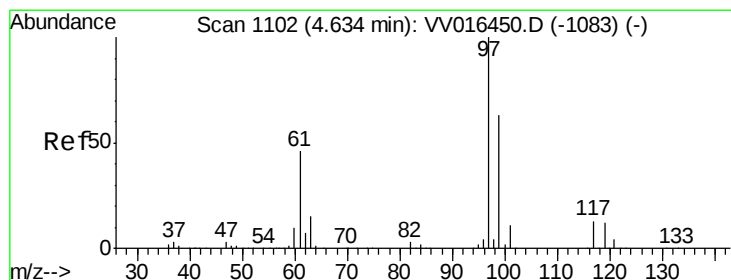
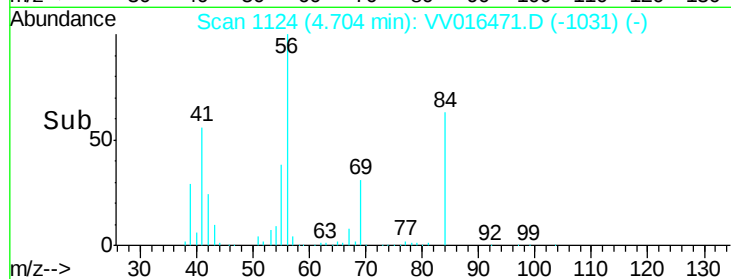
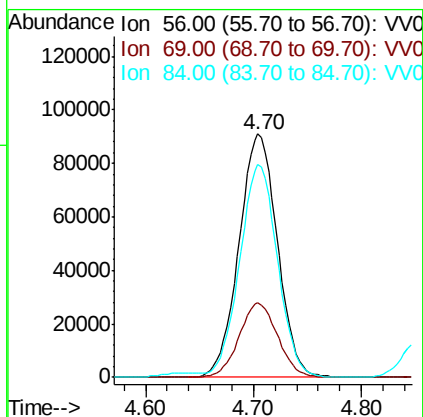
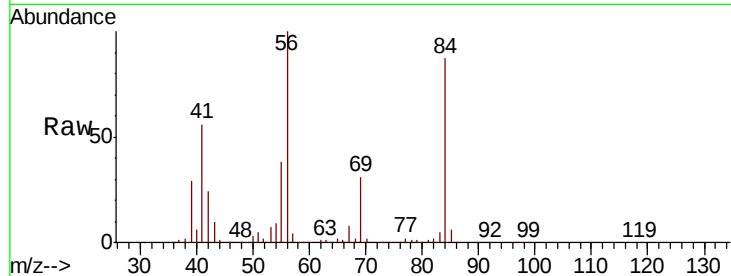




#29
Cyclohexane
Concen: 52.433 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VV016471.D
Acq: 03 Jun 2020 20:56

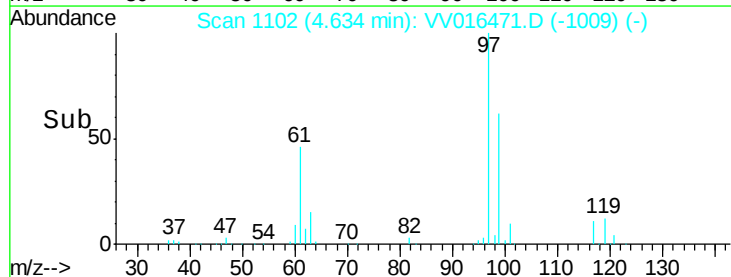
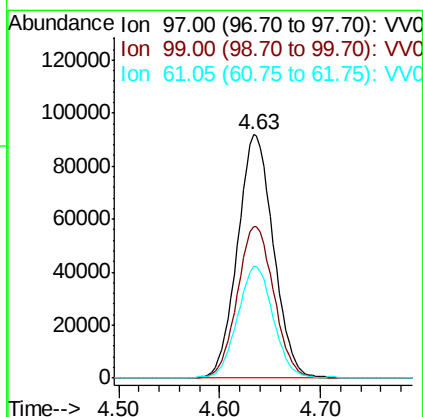
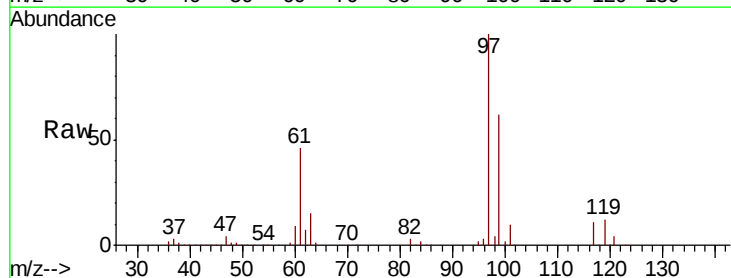
Instrument :
MSVOA_V
ClientSampleId :

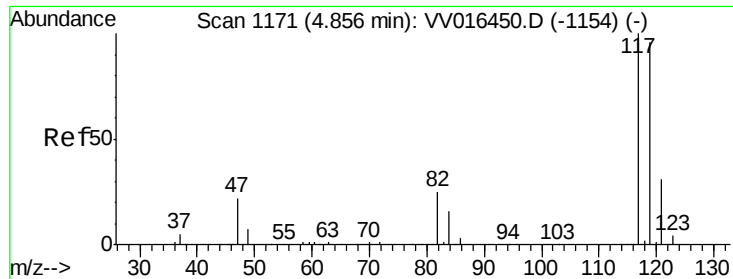
Tot Ion: 56 Resp: 225332
Ion Ratio Lower Upper
56 100
69 30.6 23.9 35.9
84 86.5 68.2 102.2



#30
1,1,1-Trichloroethane
Concen: 51.361 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV016471.D
Acq: 03 Jun 2020 20:56

Tgt Ion: 97 Resp: 226647
Ion Ratio Lower Upper
97 100
99 63.4 51.8 77.8
61 45.1 37.4 56.0





#31

Carbon tetrachloride

Concen: 51.147 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VV016471.D

Acq: 03 Jun 2020 20:56

Instrument :

MSVOA_V

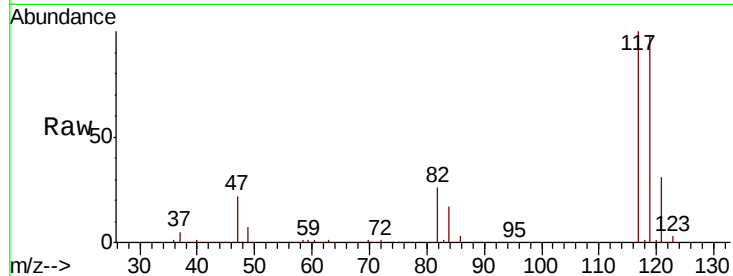
ClientSampleId :

Tot Ion:117 Resp: 194110

Ion Ratio Lower Upper

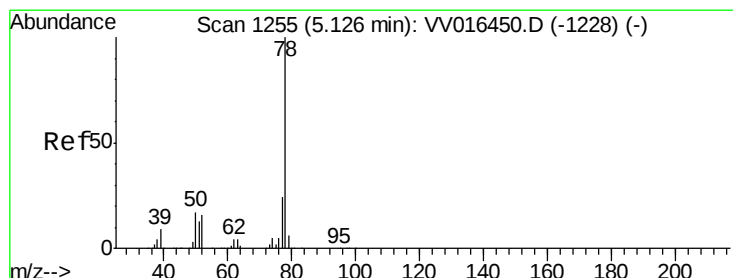
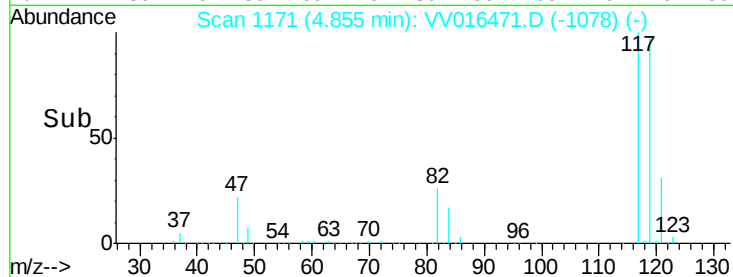
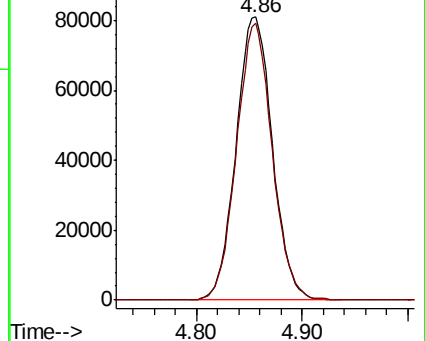
117 100

119 95.6 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.670 ug/L

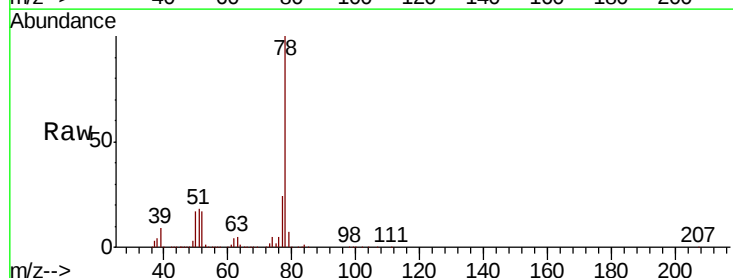
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

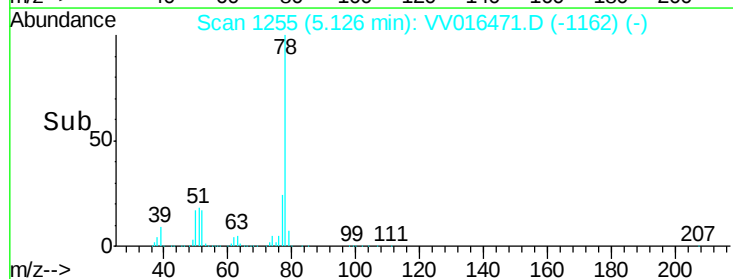
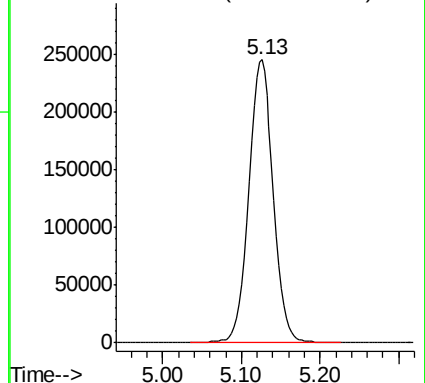
Lab File: VV016471.D

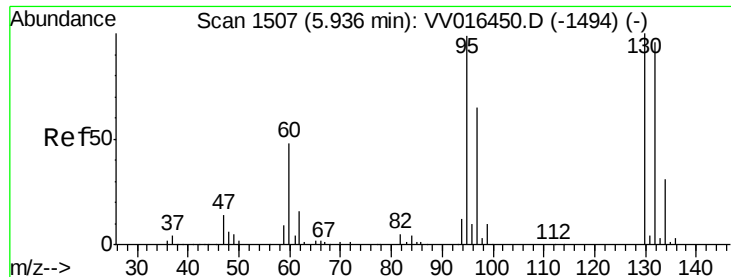
Acq: 03 Jun 2020 20:56

Tgt Ion: 78 Resp: 539587



Abundance Ion 78.00 (77.70 to 78.70): VV0

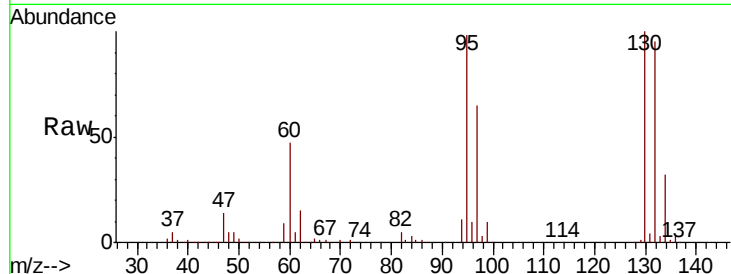




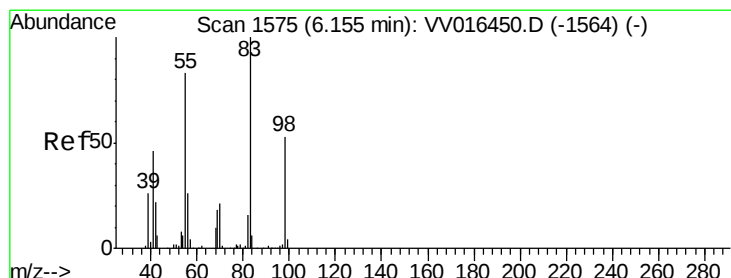
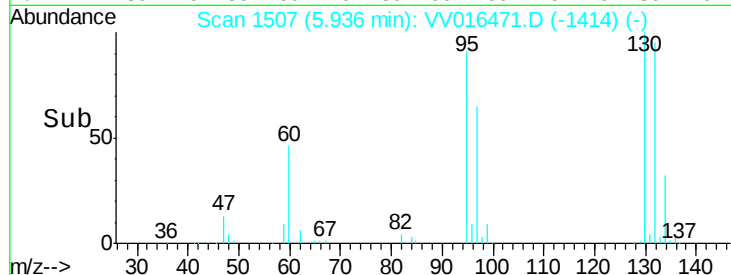
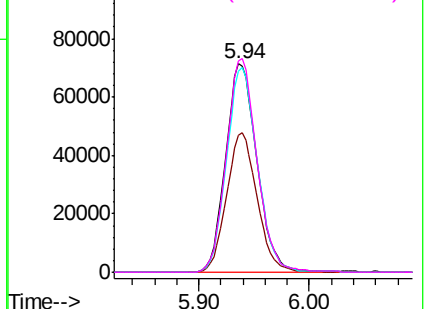
#34
 Trichloroethene
 Concen: 50.289 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV016471.D
 Acq: 03 Jun 2020 20:56

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	95	Resp:	140520
Ion	Ratio	Lower	Upper
95	100		
97	65.9	42.8	79.6
132	96.3	65.6	121.8
130	101.5	69.0	128.1

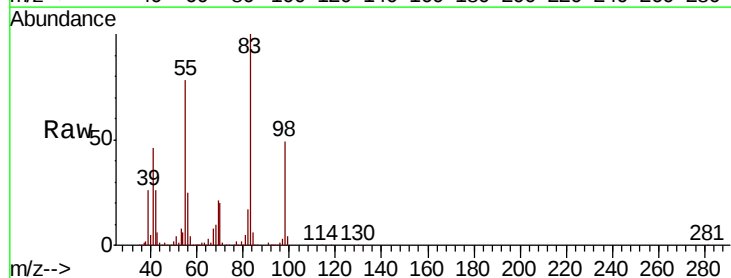


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

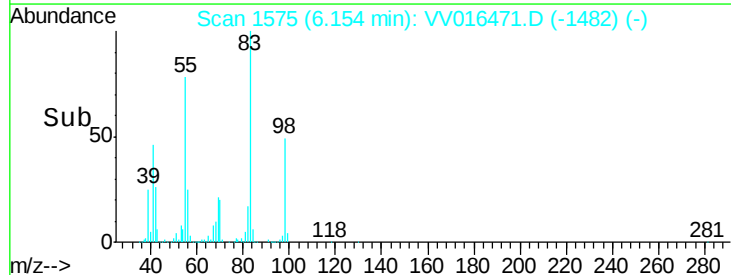
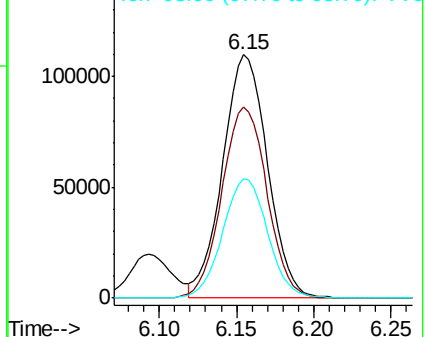


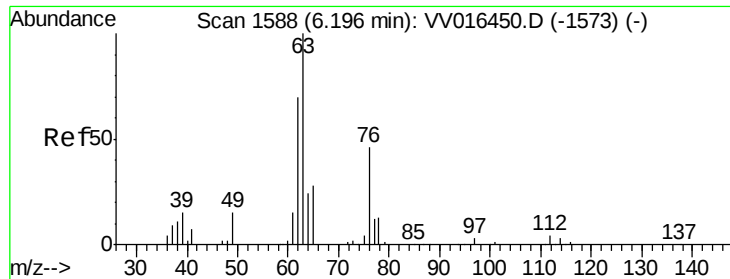
#35
 Methylcyclohexane
 Concen: 54.754 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV016471.D
 Acq: 03 Jun 2020 20:56

Tgt Ion:	83	Resp:	219608
Ion	Ratio	Lower	Upper
83	100		
55	79.5	63.4	95.0
98	49.8	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

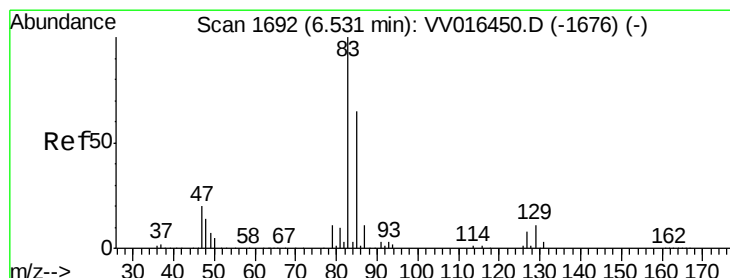
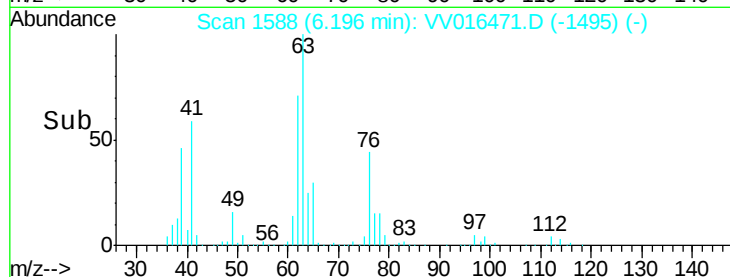
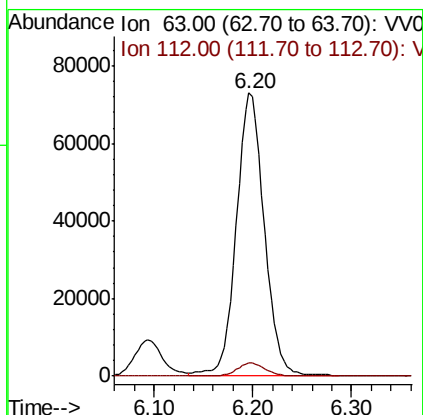
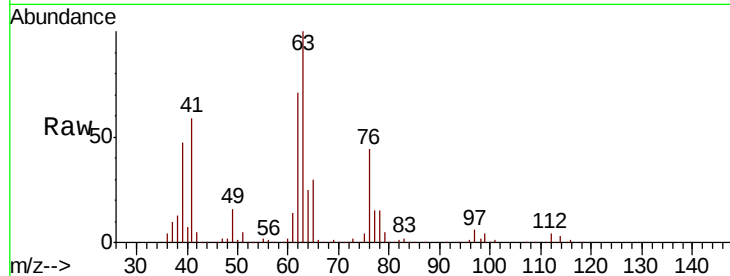




#37
 1,2-Dichloropropane
 Concen: 51.324 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV016471.D
 Acq: 03 Jun 2020 20:56

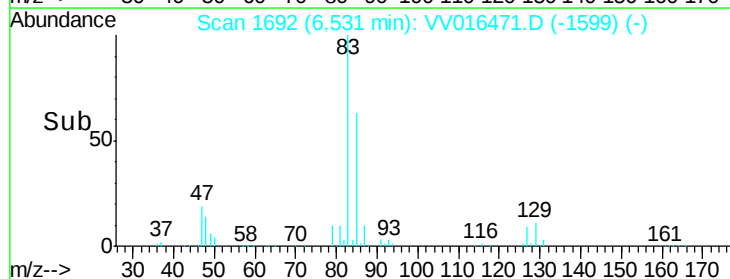
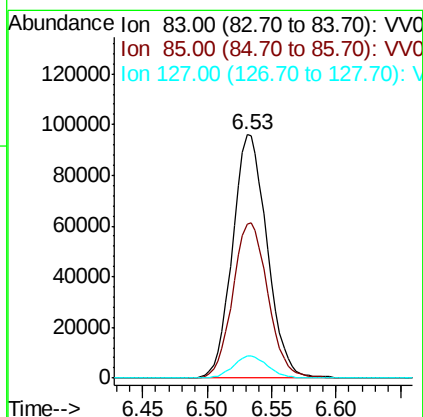
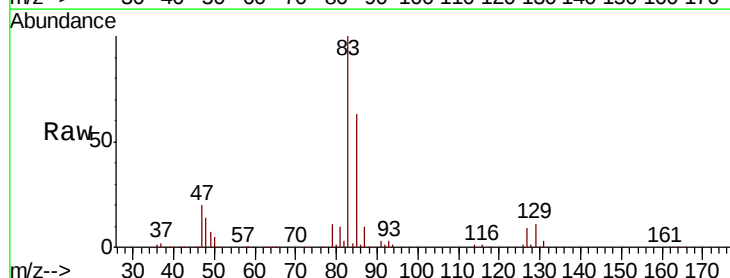
Instrument :
 MSVOA_V
 ClientSampleId :

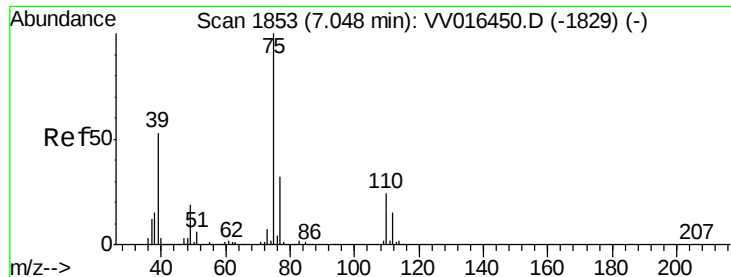
Tot Ion: 63 Resp: 142457
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.9 5.9



#38
 Bromodichloromethane
 Concen: 50.143 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV016471.D
 Acq: 03 Jun 2020 20:56

Tgt Ion: 83 Resp: 178829
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.4 82.5
 127 8.9 7.1 10.7

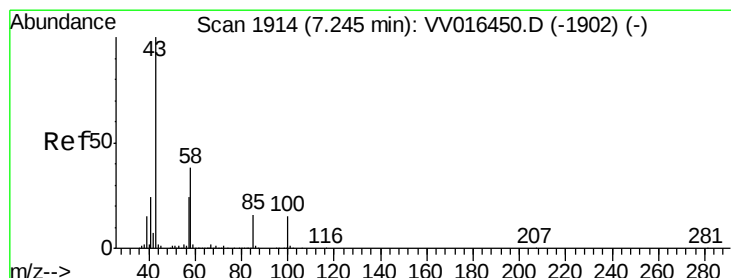
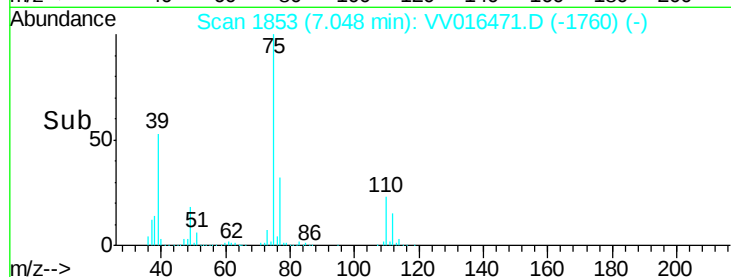
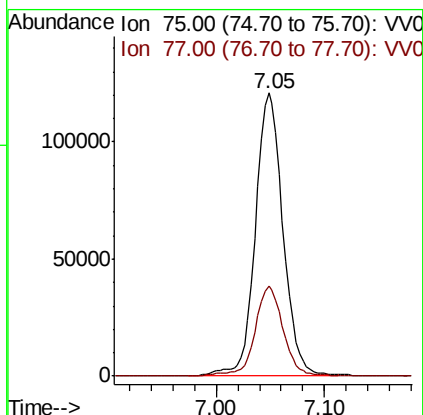
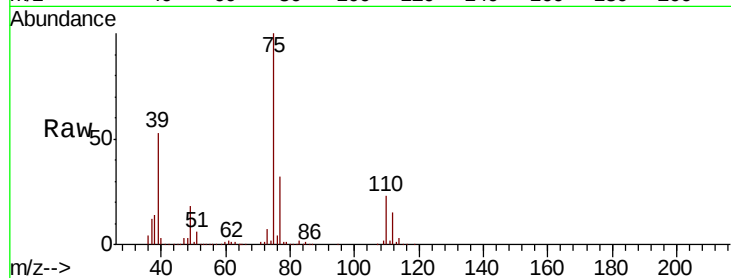




#39
 cis-1,3-Dichloropropene
 Concen: 53.054 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV016471.D
 Acq: 03 Jun 2020 20:56

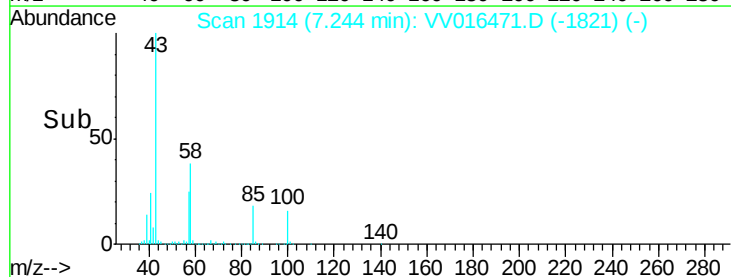
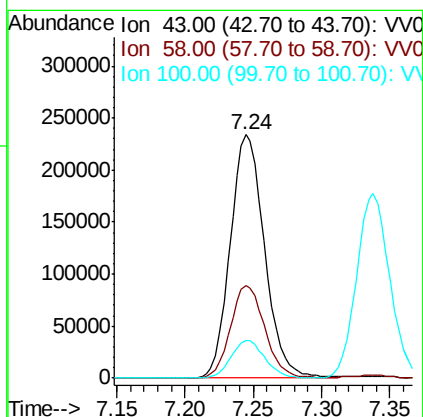
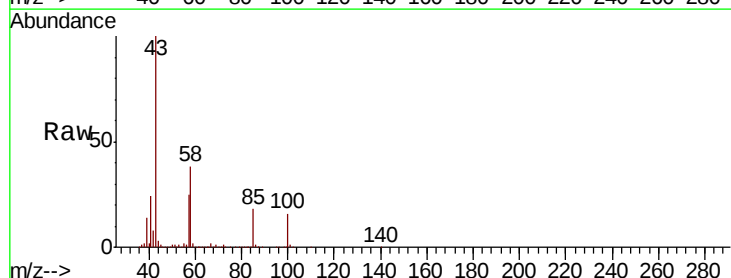
Instrument :
 MSVOA_V
 ClientSampled :

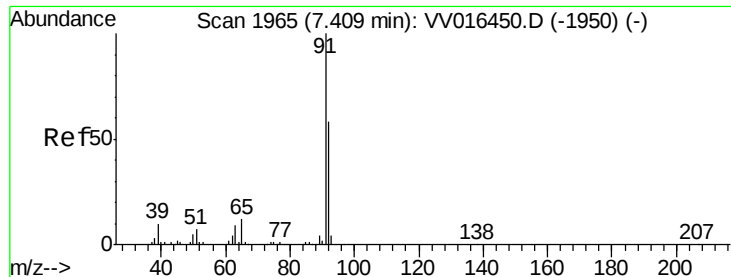
Tot Ion: 75 Resp: 214711
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 106.897 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV016471.D
 Acq: 03 Jun 2020 20:56

Tgt Ion: 43 Resp: 408260
 Ion Ratio Lower Upper
 43 100
 58 38.0 29.9 44.9
 100 15.3 11.9 17.9





#42

Toluene

Concen: 50.963 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016471.D

Acq: 03 Jun 2020 20:56

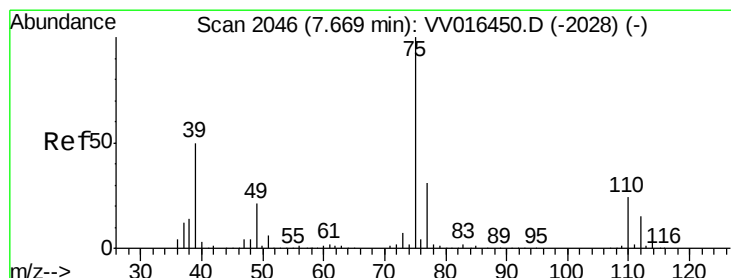
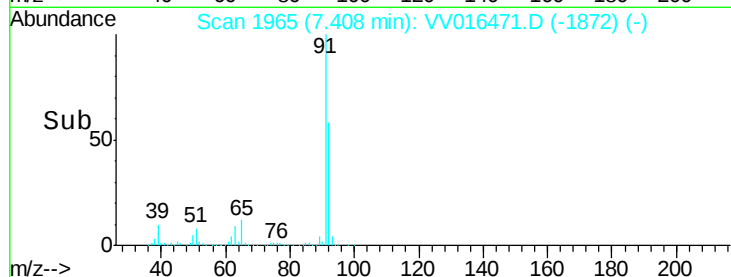
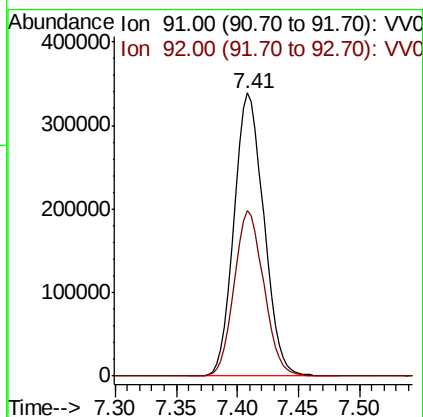
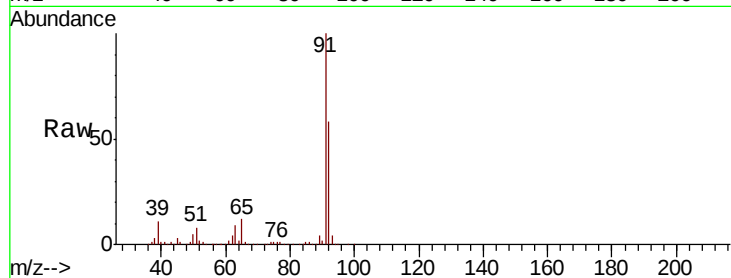
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 575077

Ion Ratio Lower Upper

91 100

92 58.4 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 52.051 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV016471.D

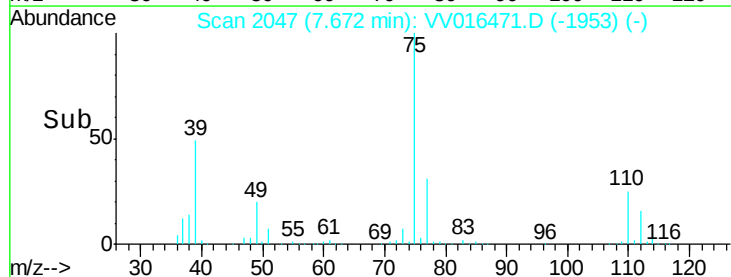
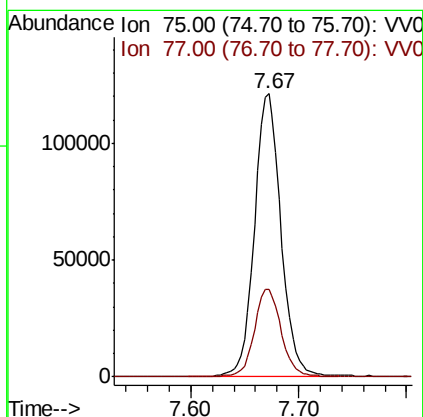
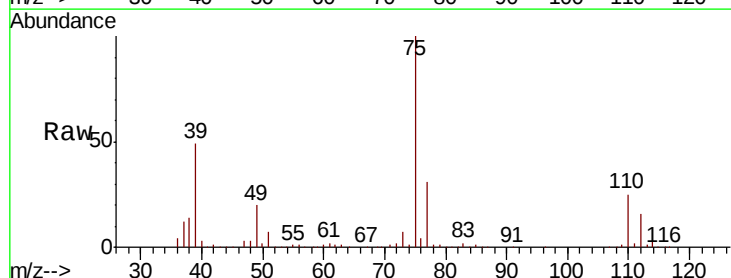
Acq: 03 Jun 2020 20:56

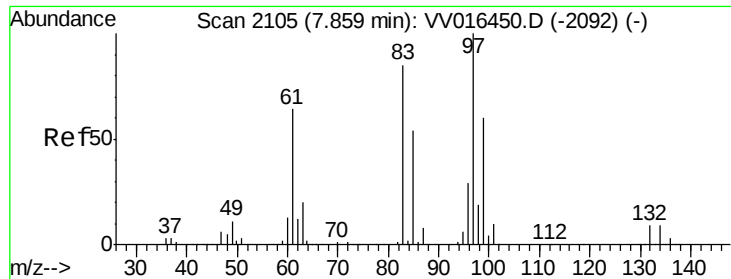
Tgt Ion: 75 Resp: 206681

Ion Ratio Lower Upper

75 100

77 30.9 22.2 41.2

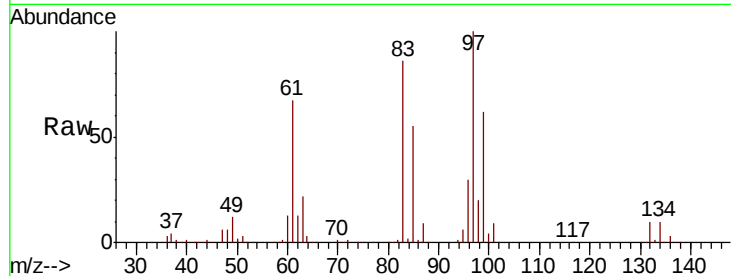




#45
 1,1,2-Trichloroethane
 Concen: 50.376 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV016471.D
 Acq: 03 Jun 2020 20:56

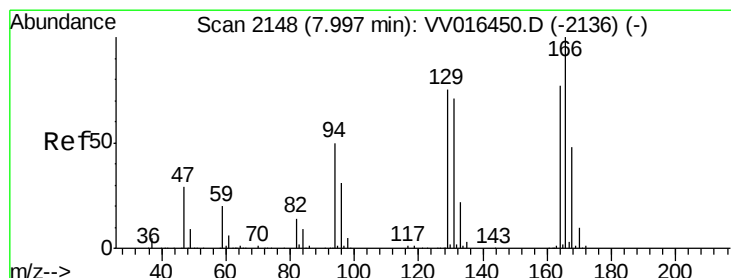
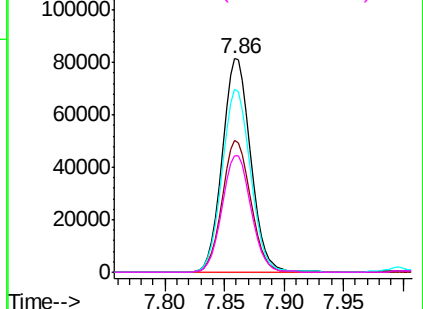
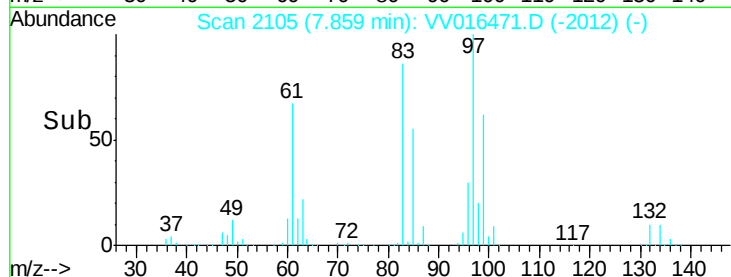
Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	135203
Ion	Ratio	Lower	Upper
97	100		
99	61.5	42.9	79.7
83	85.7	59.3	110.1
85	54.7	37.5	69.7



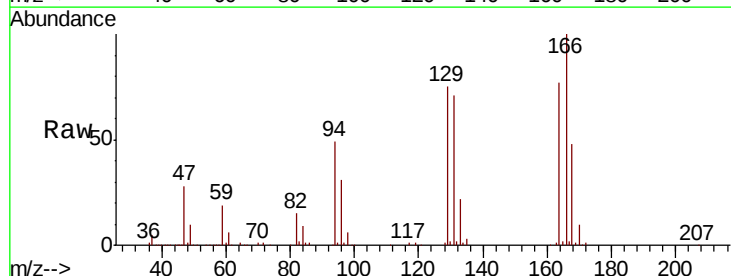
Abundance

Ion 97.00 (96.70 to 97.70): VV016471.D (-2012) (-)



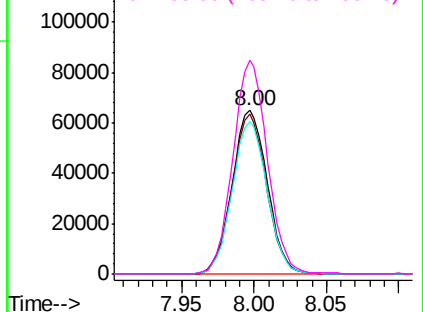
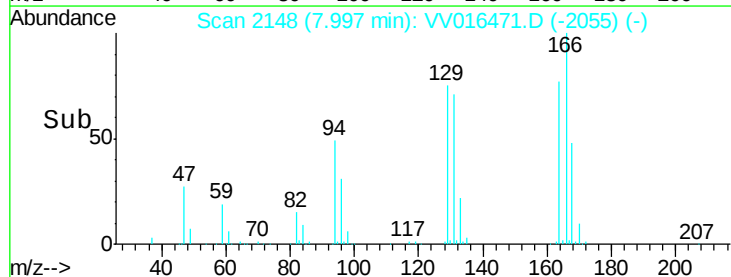
#46
 Tetrachloroethene
 Concen: 50.777 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV016471.D
 Acq: 03 Jun 2020 20:56

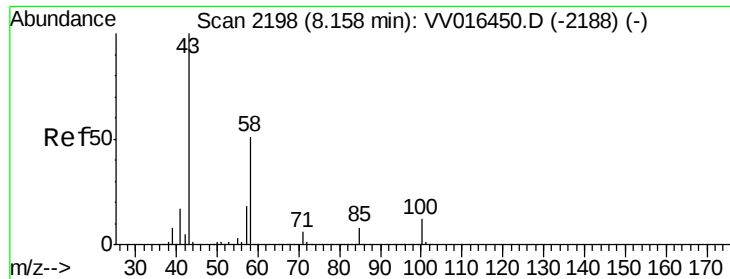
Tgt Ion:	164	Resp:	109396
Ion	Ratio	Lower	Upper
164	100		
129	97.4	67.7	125.7
131	93.1	63.8	118.6
166	130.4	88.7	164.7



Abundance

Ion 164.00 (163.70 to 164.70): VV016471.D (-2055) (-)

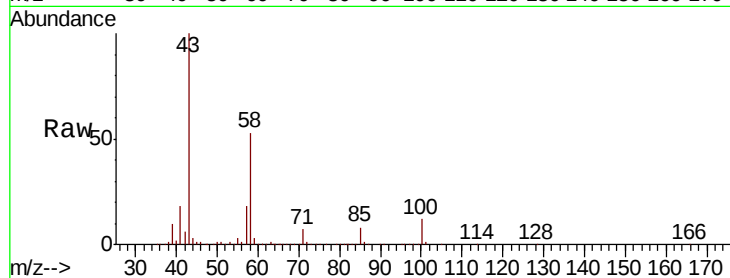




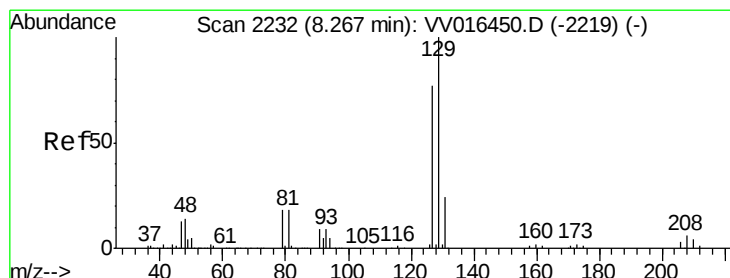
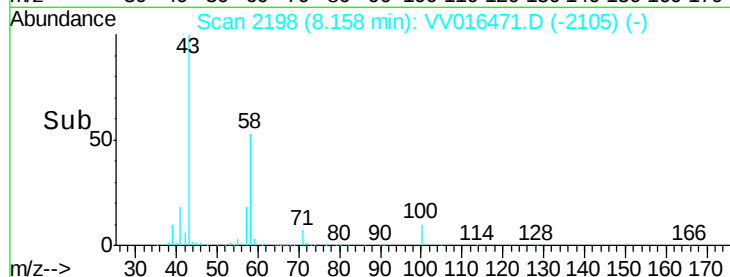
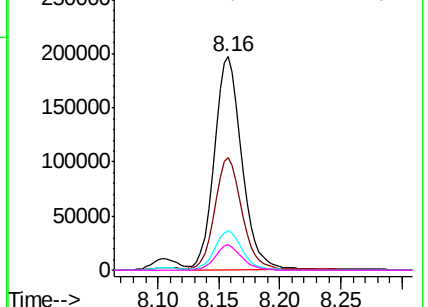
#48
2-Hexanone
Concen: 105.214 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV016471.D
Acq: 03 Jun 2020 20:56

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 312397
Ion Ratio Lower Upper
43 100
58 51.6 42.7 64.1
57 18.1 14.5 21.7
100 11.4 9.4 14.2

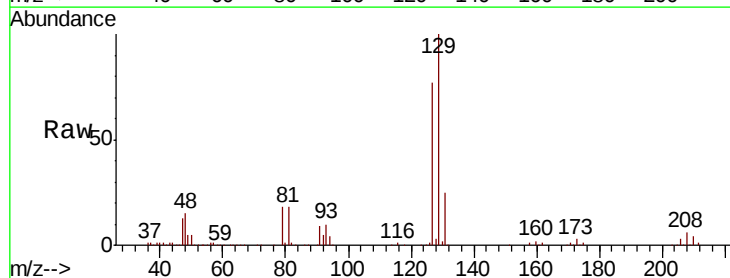


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

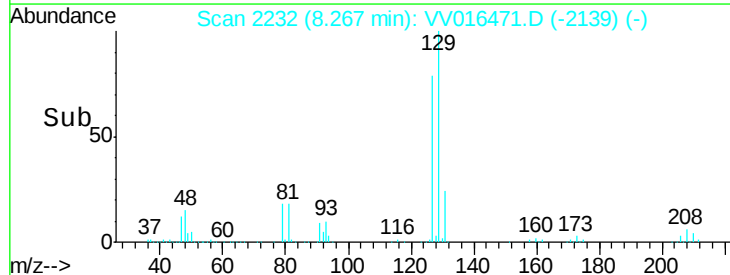
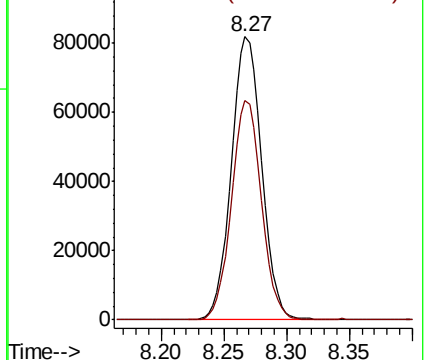


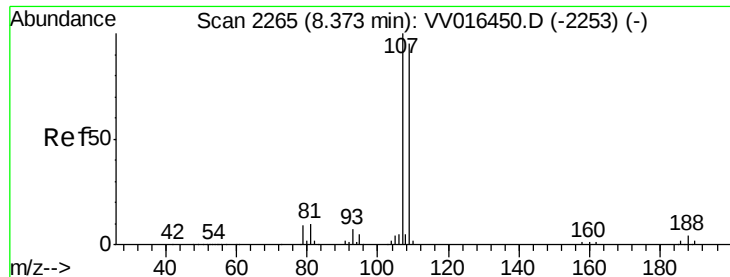
#49
Dibromochloromethane
Concen: 52.877 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV016471.D
Acq: 03 Jun 2020 20:56

Tgt Ion: 129 Resp: 137969
Ion Ratio Lower Upper
129 100
127 77.4 54.6 101.4



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

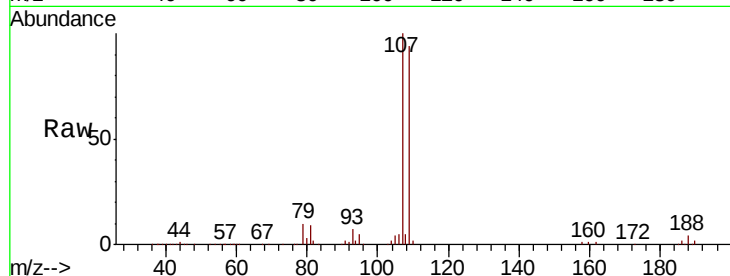




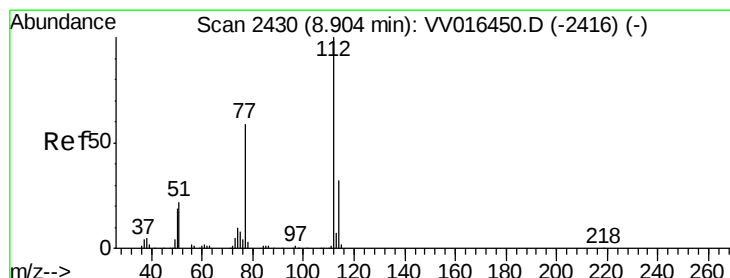
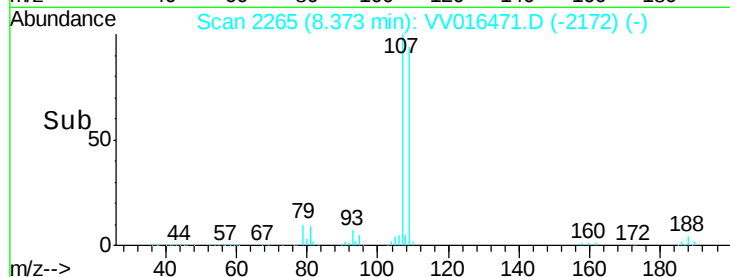
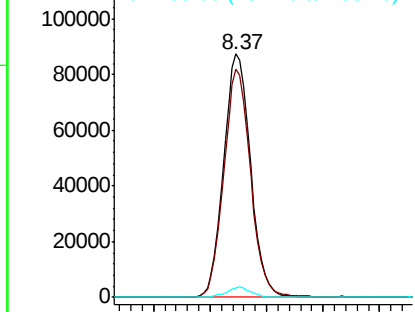
#50
 1,2-Dibromoethane
 Concen: 51.025 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV016471.D
 Acq: 03 Jun 2020 20:56

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	65.9	122.3
188	4.1	2.8	4.2

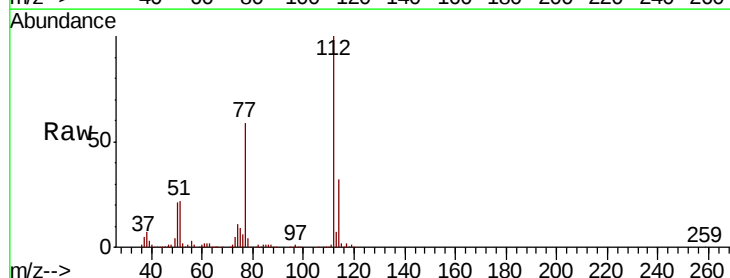


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

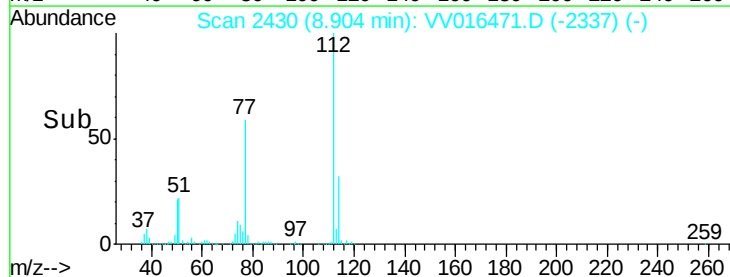
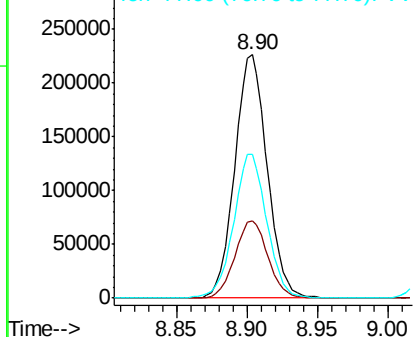


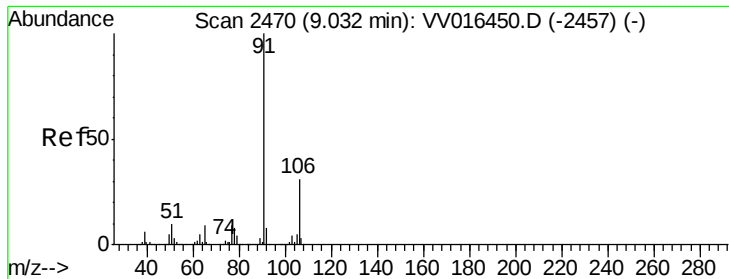
#51
 Chlorobenzene
 Concen: 49.160 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VV016471.D
 Acq: 03 Jun 2020 20:56

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	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: 51.814 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016471.D

Acq: 03 Jun 2020 20:56

Instrument :

MSVOA_V

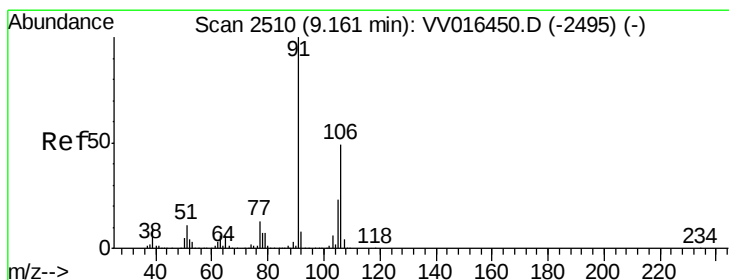
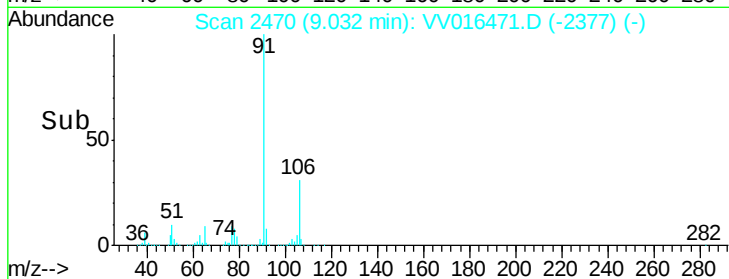
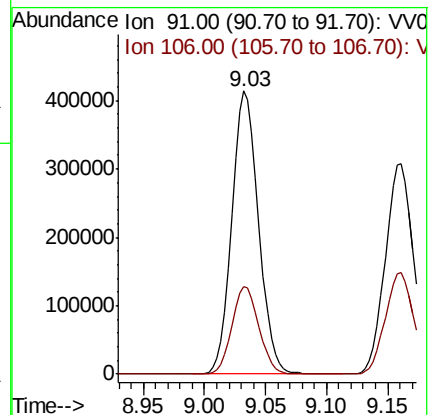
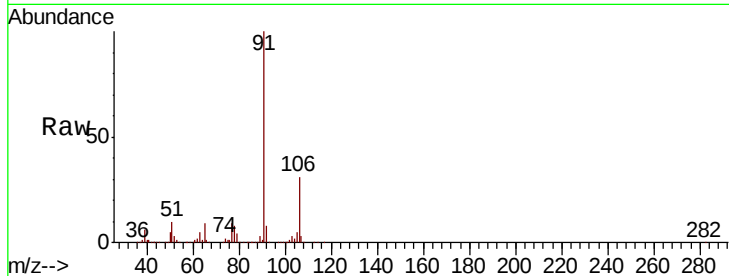
ClientSampleId :

Tot Ion: 91 Resp: 636351

Ion Ratio Lower Upper

91 100

106 31.0 21.8 40.4



#53

m,p-Xylene

Concen: 51.720 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV016471.D

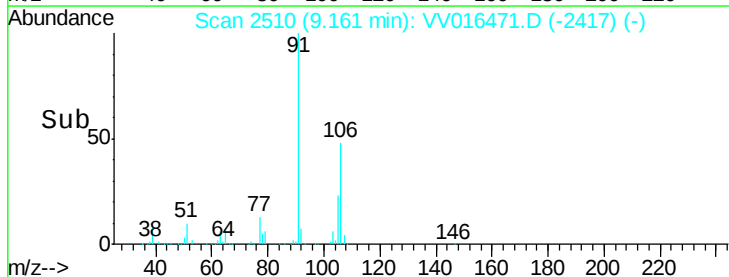
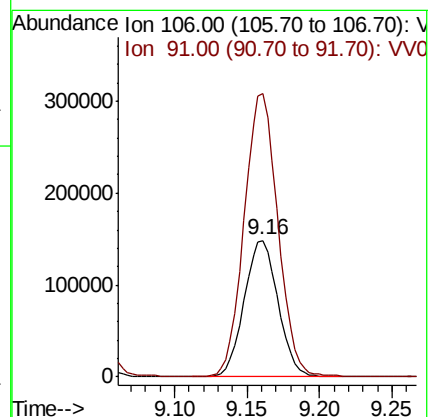
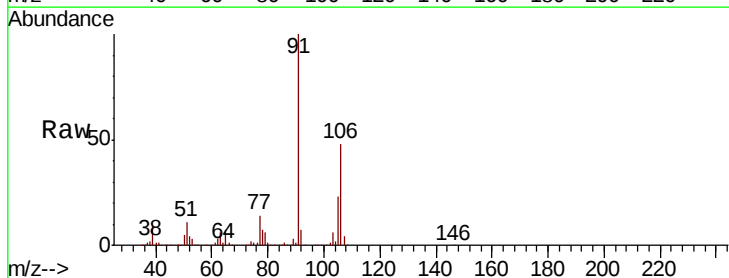
Acq: 03 Jun 2020 20:56

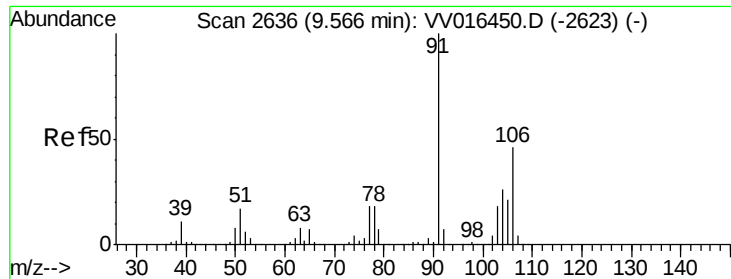
Tgt Ion: 106 Resp: 239513

Ion Ratio Lower Upper

106 100

91 207.9 142.5 264.6





#54

o-xylene

Concen: 52.450 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV016471.D

Acq: 03 Jun 2020 20:56

Instrument :

MSVOA_V

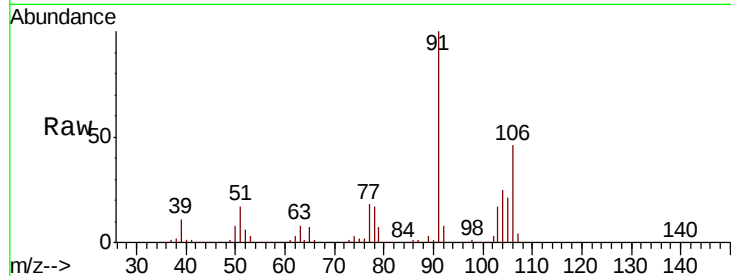
ClientSampleId :

Tot Ion:106 Resp: 235237

Ion Ratio Lower Upper

106 100

91 216.5 152.5 283.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

400000

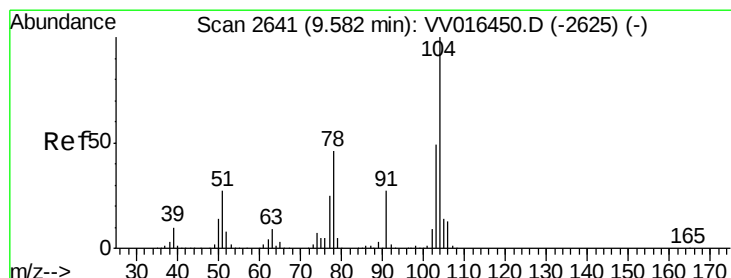
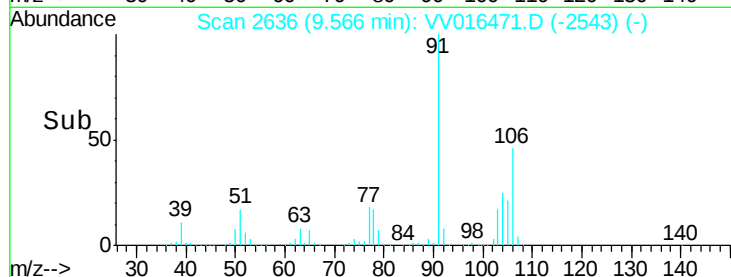
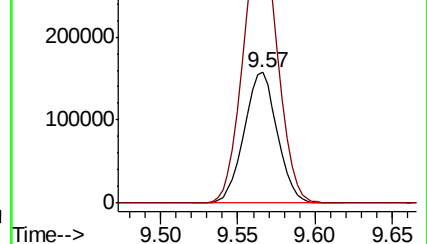
300000

200000

100000

0

9.50 9.55 9.60 9.65



#55

Styrene

Concen: 52.298 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV016471.D

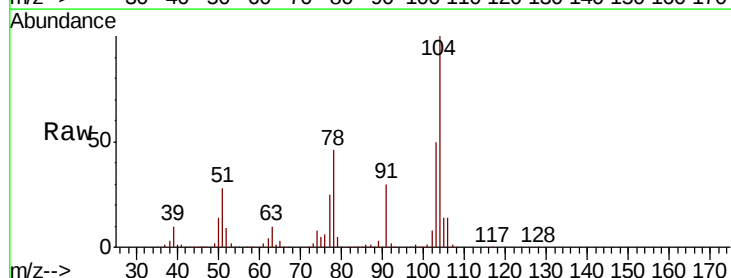
Acq: 03 Jun 2020 20:56

Tgt Ion:104 Resp: 410912

Ion Ratio Lower Upper

104 100

78 45.7 31.9 59.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

300000

250000

200000

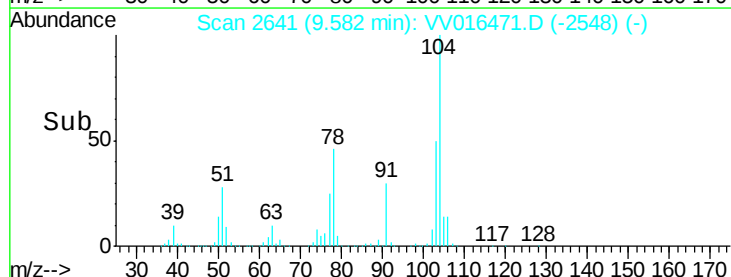
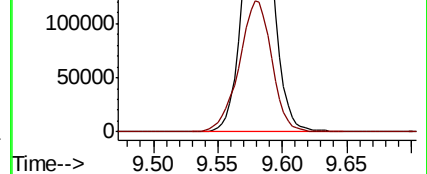
150000

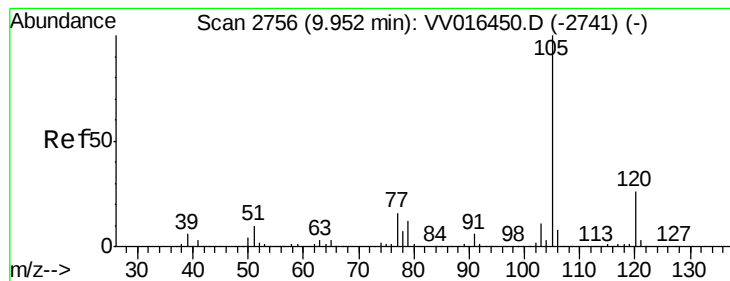
100000

50000

0

9.50 9.55 9.60 9.65





#56

Isopropylbenzene

Concen: 54.287 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV016471.D

Acq: 03 Jun 2020 20:56

Instrument :
MSVOA_V
ClientSampled :

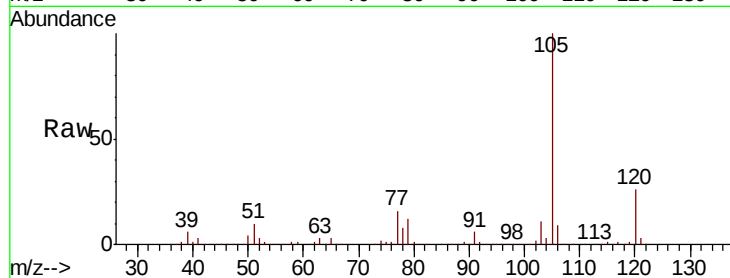
Tot Ion: 105 Resp: 632431

Ion Ratio Lower Upper

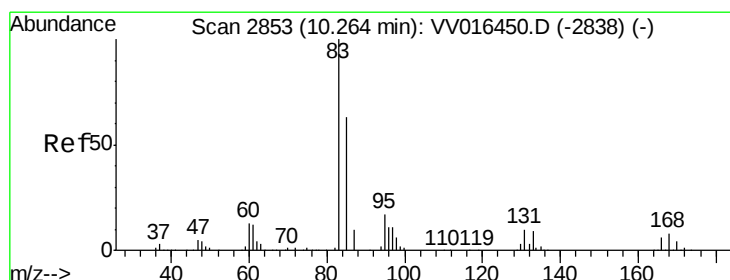
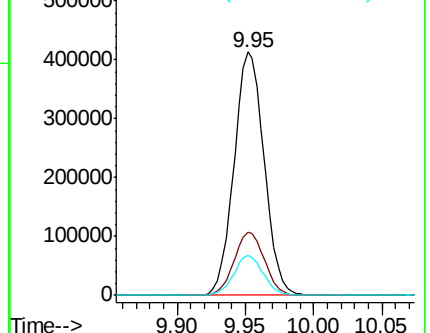
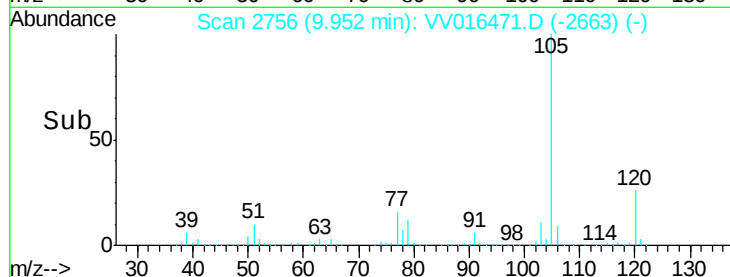
105 100

120 26.1 21.0 31.6

77 16.1 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): VV016471.D (-2663) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 51.017 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV016471.D

Acq: 03 Jun 2020 20:56

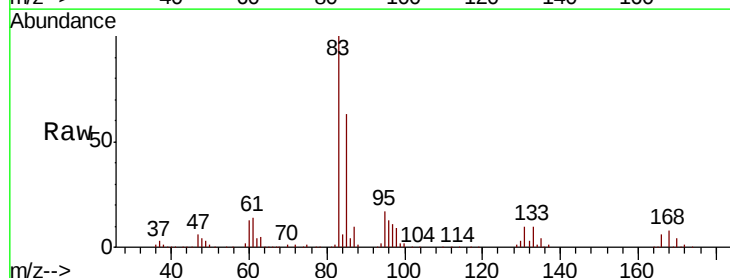
Tgt Ion: 83 Resp: 219647

Ion Ratio Lower Upper

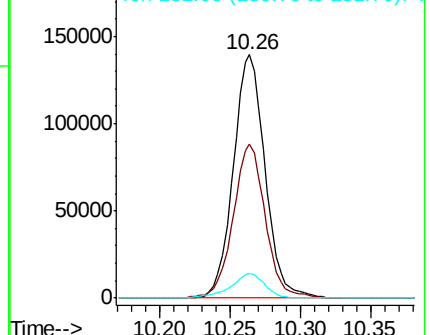
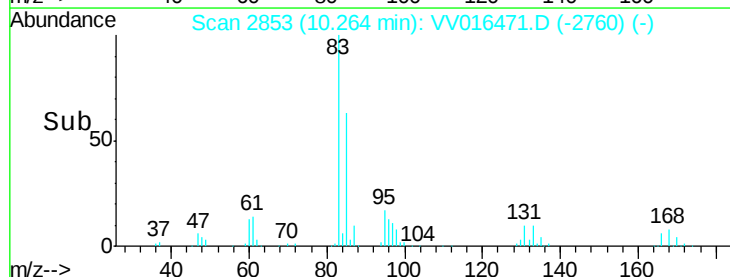
83 100

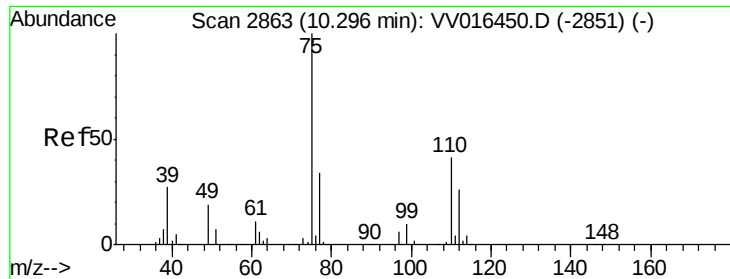
85 63.2 44.0 81.6

131 10.0 7.6 11.4



Abundance Ion 83.00 (82.70 to 83.70): VV016471.D (-2760) (-)





#59

1,2,3-Trichloropropane

Concen: 51.519 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV016471.D

Acq: 03 Jun 2020 20:56

Instrument :

MSVOA_V

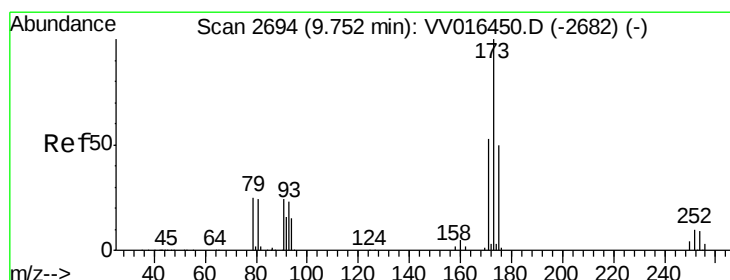
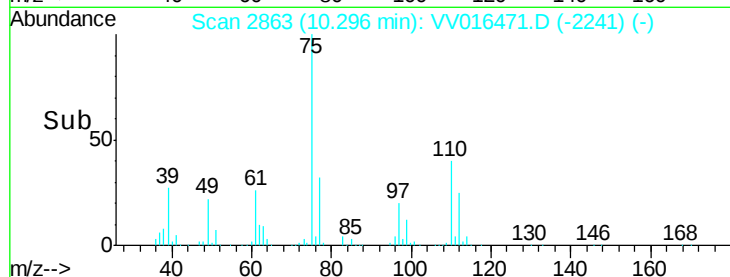
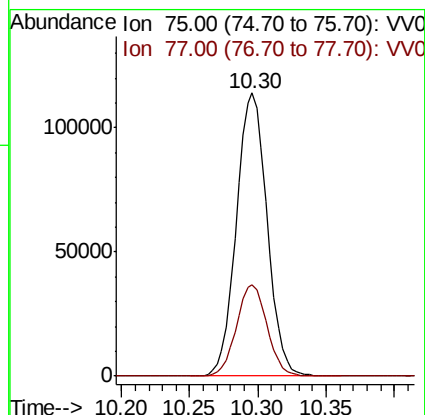
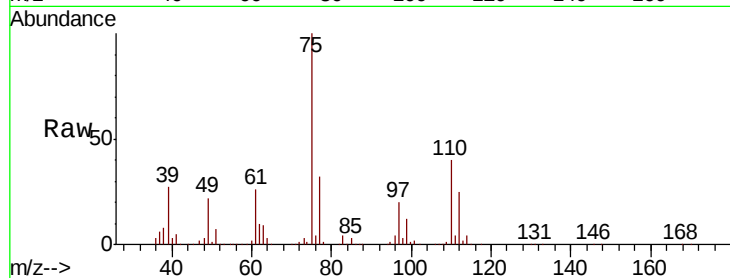
ClientSampleId :

Tot Ion: 75 Resp: 178442

Ion Ratio Lower Upper

75 100

77 32.1 26.6 40.0



#61

Bromoform

Concen: 55.378 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV016471.D

Acq: 03 Jun 2020 20:56

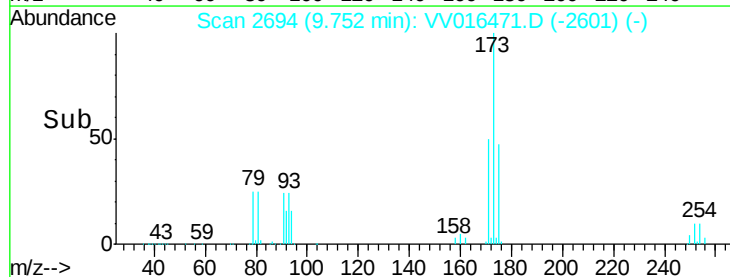
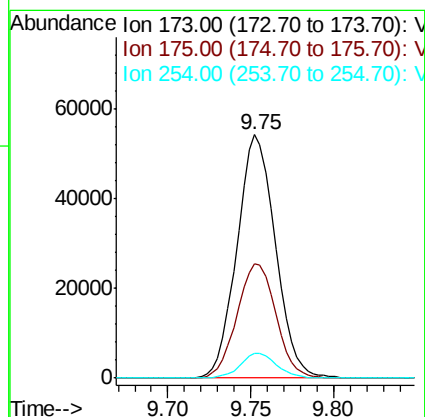
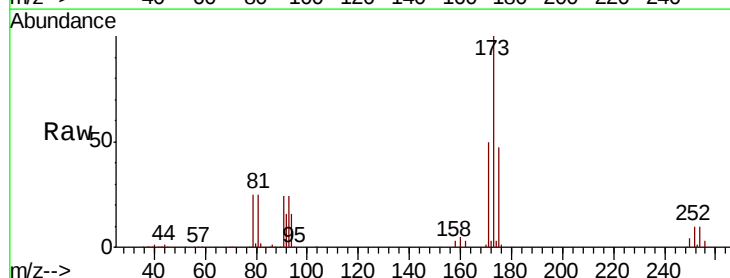
Tgt Ion: 173 Resp: 87755

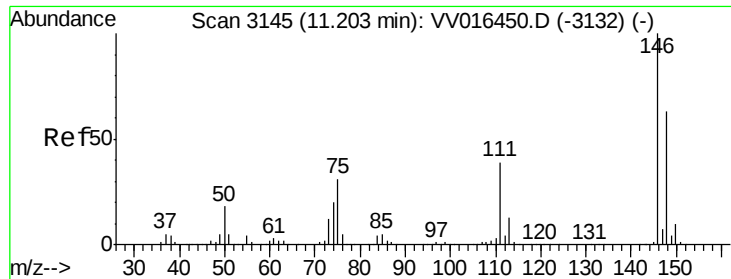
Ion Ratio Lower Upper

173 100

175 47.5 38.8 58.2

254 9.5 7.9 11.9





#62

1,3-Dichlorobenzene

Concen: 50.113 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016471.D

Acq: 03 Jun 2020 20:56

Instrument :

MSVOA_V

ClientSampled :

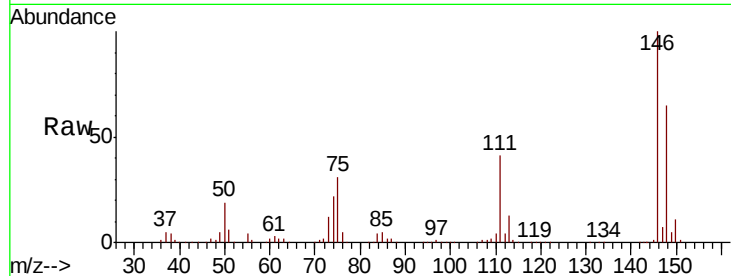
Tot Ion:146 Resp: 293844

Ion Ratio Lower Upper

146 100

111 40.6 29.8 55.3

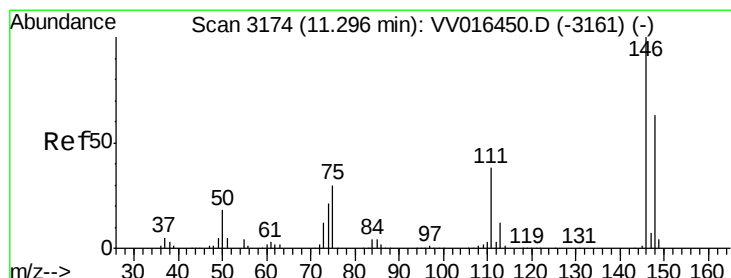
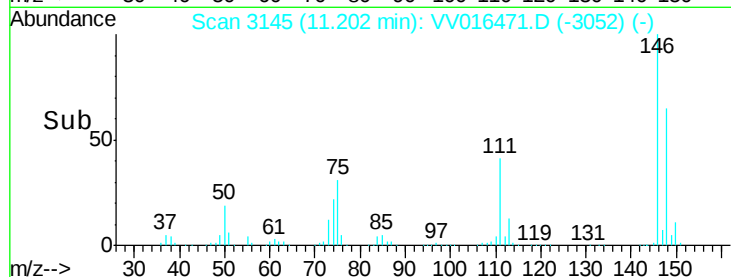
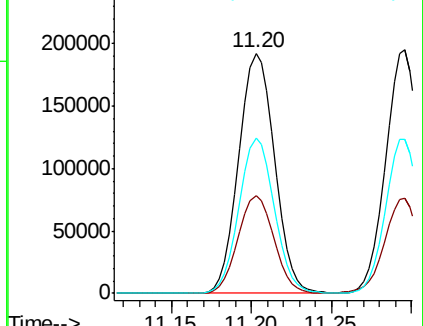
148 64.7 44.0 81.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 49.029 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV016471.D

Acq: 03 Jun 2020 20:56

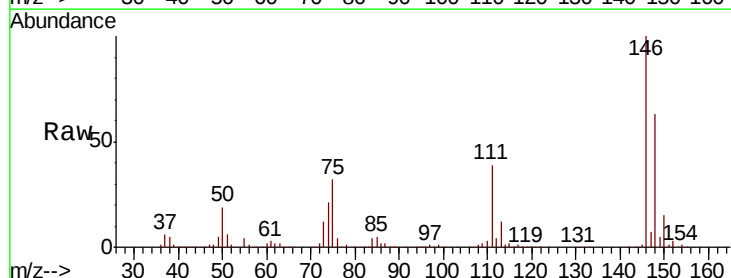
Tgt Ion:146 Resp: 298288

Ion Ratio Lower Upper

146 100

111 39.0 27.3 50.7

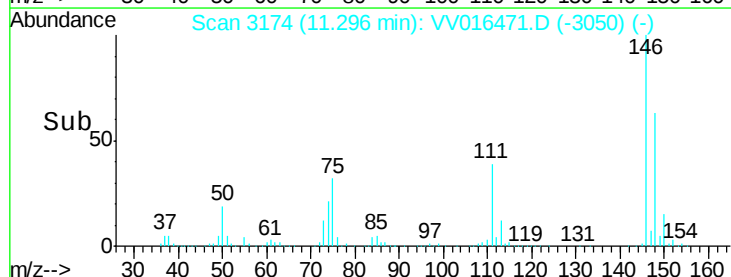
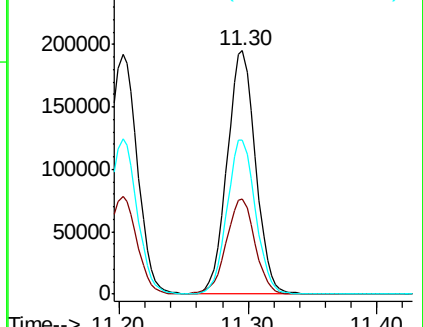
148 63.2 44.5 82.7

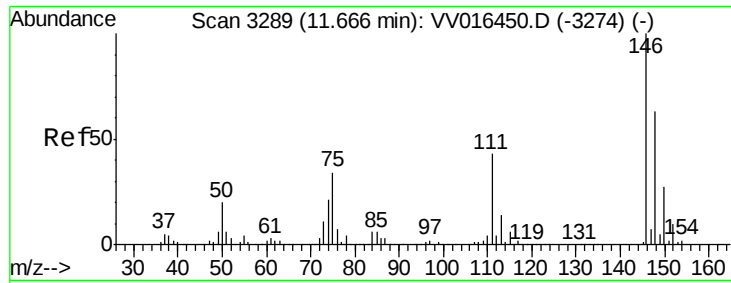


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 50.445 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV016471.D

Acq: 03 Jun 2020 20:56

Instrument :

MSVOA_V

ClientSampled :

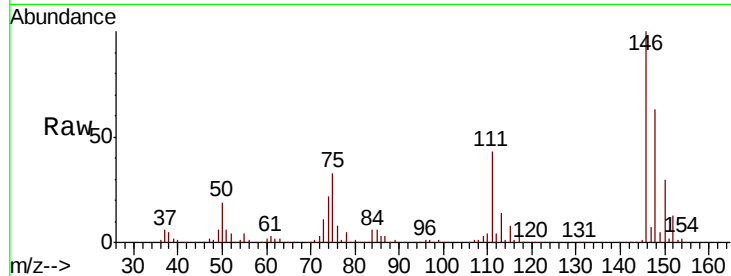
Tot Ion:146 Resp: 297725

Ion Ratio Lower Upper

146 100

111 43.4 33.6 50.4

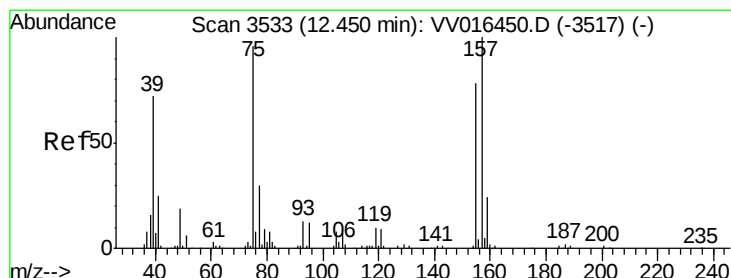
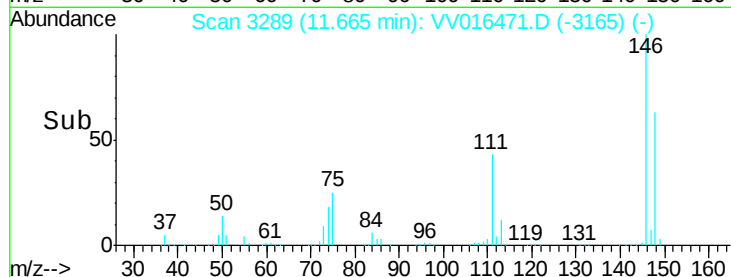
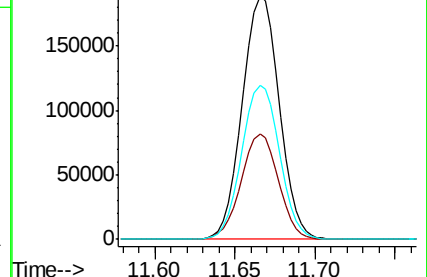
148 63.1 51.5 77.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 50.872 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV016471.D

Acq: 03 Jun 2020 20:56

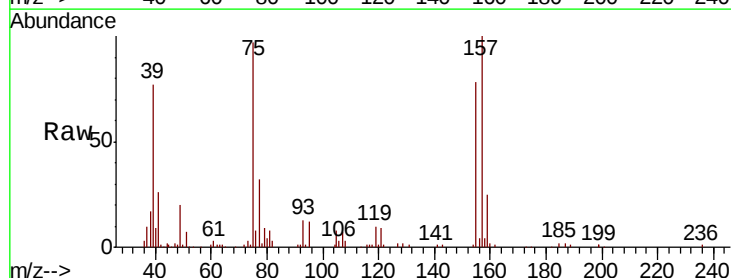
Tgt Ion: 75 Resp: 45564

Ion Ratio Lower Upper

75 100

155 80.2 66.2 99.2

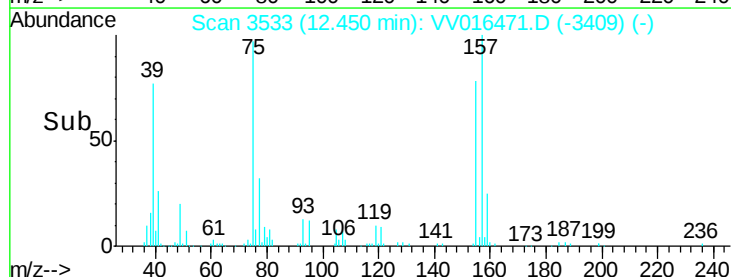
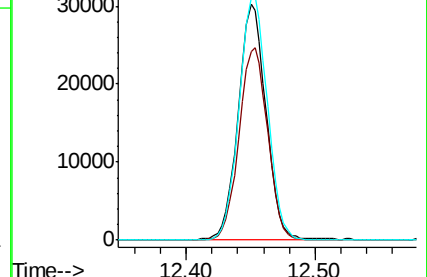
157 102.8 83.0 124.4

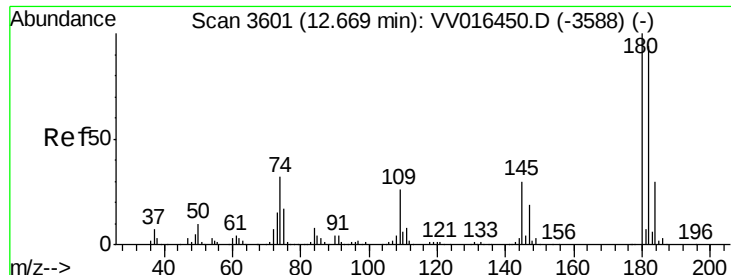


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

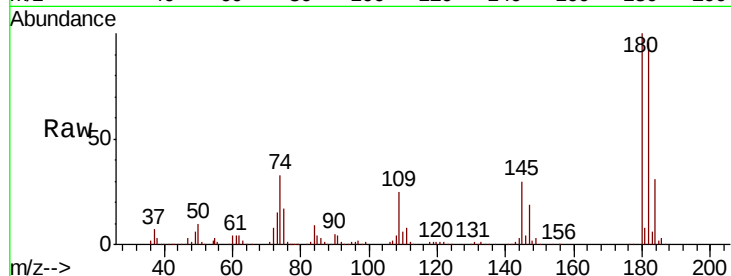




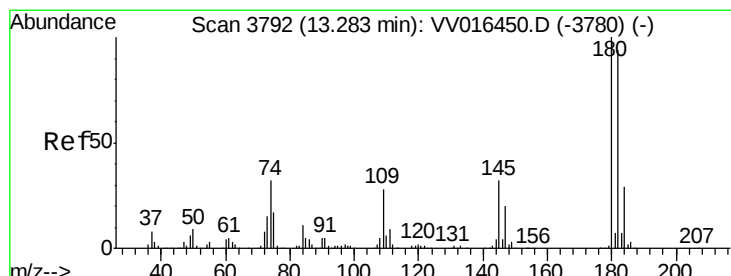
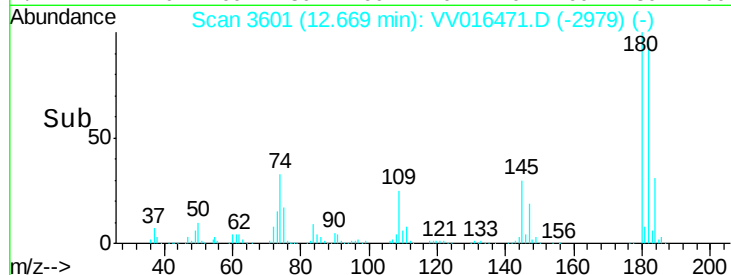
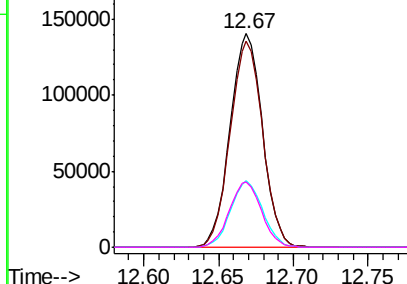
#67
 1,3,5-Trichlorobenzene
 Concen: 53.679 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016471.D
 Acq: 03 Jun 2020 20:56

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 211758
 Ion Ratio Lower Upper
 180 100
 182 96.7 75.8 113.8
 184 30.9 24.4 36.6
 145 30.3 24.2 36.2

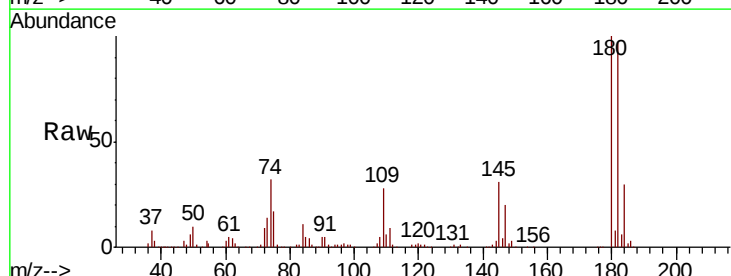


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

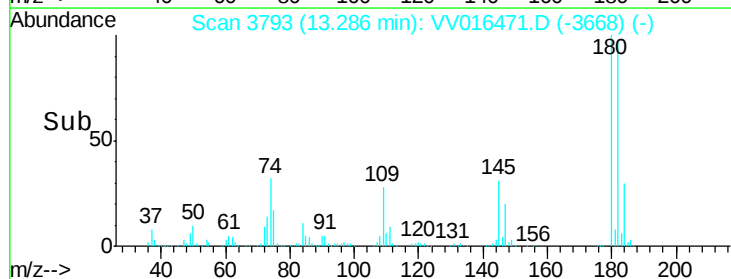
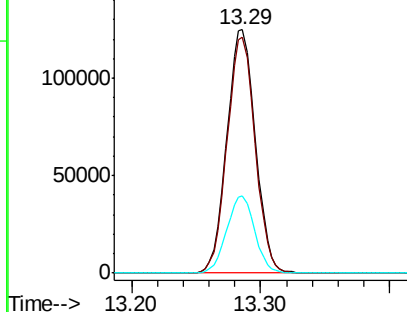


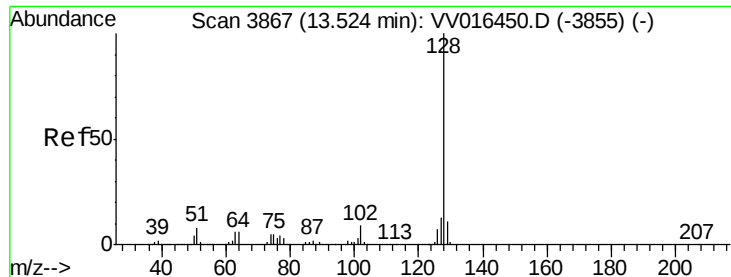
#68
 1,2,4-trichlorobenzene
 Concen: 52.335 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016471.D
 Acq: 03 Jun 2020 20:56

Tgt Ion:180 Resp: 191134
 Ion Ratio Lower Upper
 180 100
 182 95.4 74.6 111.8
 145 31.2 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: 53.026 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV016471.D

Acq: 03 Jun 2020 20:56

Instrument :

MSVOA_V

ClientSampleId :

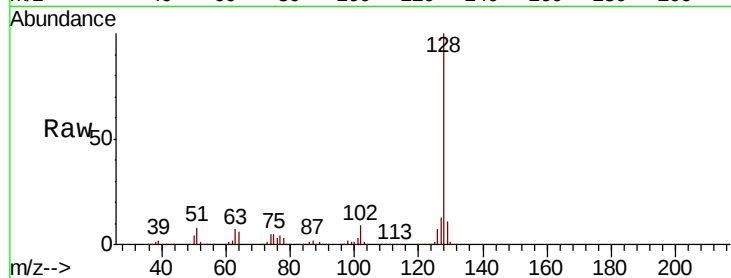
Tot Ion:128 Resp: 594415

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

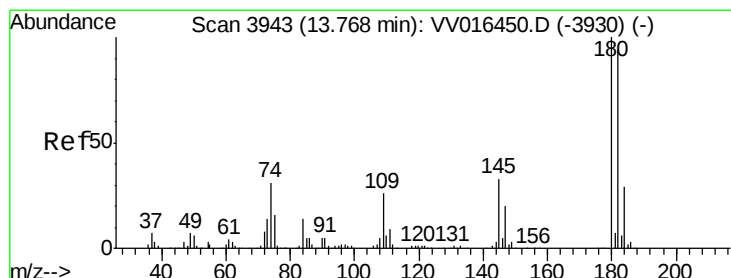
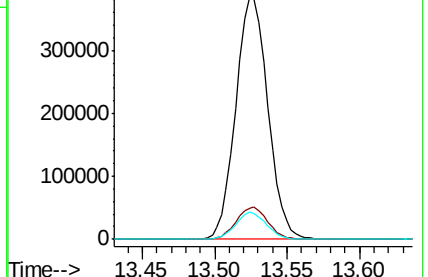
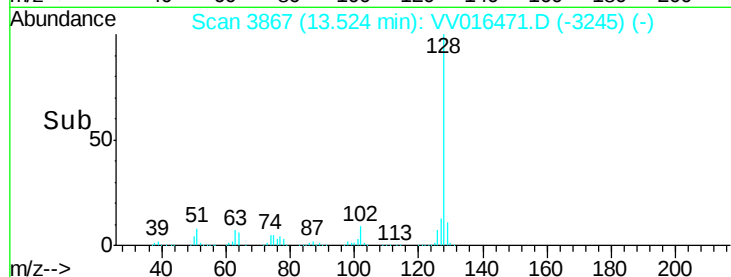
129 10.8 8.7 13.1



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: 55.269 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV016471.D

Acq: 03 Jun 2020 20:56

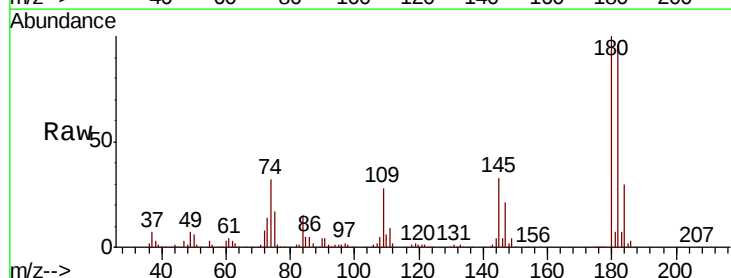
Tgt Ion:180 Resp: 191880

Ion Ratio Lower Upper

180 100

182 95.7 76.0 114.0

145 32.8 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

