

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060320\
 Data File : VV016430.D
 Acq On : 02 Jun 2020 16:18
 Operator : SY/MD
 Sample : VSTD01063
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 03 00:17:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 03 00:15:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	393141	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	380162	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	188504	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27315	9.57	ug/L	0.00
7) Chloroethane-d5	1.58	69	20968	8.59	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	51148	9.67	ug/L	0.00
21) 2-Butanone-d5	3.94	46	35975	21.16	ug/L	0.02
24) Chloroform-d	4.38	84	52230	9.59	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	35295	9.55	ug/L	0.00
32) Benzene-d6	5.08	84	101616	9.72	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	32166	9.76	ug/L	0.00
41) Toluene-d8	7.34	98	91864	9.50	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	14300	8.76	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	25692	22.99	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	43322	10.32	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	36049	9.75	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	34449	11.298	ug/L 99
3) Chloromethane	1.25	50	33933	10.805	ug/L 95
5) Vinyl chloride	1.32	62	32194	10.606	ug/L 98
6) Bromomethane	1.53	94	16756	9.384	ug/L 97
8) Chloroethane	1.60	64	18997	9.754	ug/L 100
9) Trichlorofluoromethane	1.77	101	46129	11.203	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	24984	10.187	ug/L 99
12) 1,1-Dichloroethene	2.14	96	22790	9.986	ug/L 96
13) Acetone	2.21	43	38377	23.317	ug/L 95
14) Carbon disulfide	2.31	76	75743	11.263	ug/L 98
15) Methyl Acetate	2.46	43	31524	11.285	ug/L 98
16) Methylene chloride	2.53	84	33222	11.273	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	28946	11.282	ug/L 95
18) Methyl tert-butyl Ether	2.79	73	88029	10.244	ug/L 98
19) 1,1-Dichloroethane	3.22	63	53519	10.417	ug/L 97
20) cis-1,2-Dichloroethene	3.94	96	30794	10.905	ug/L 93
22) 2-Butanone	4.02	43	40829	21.911	ug/L 97
23) Bromochloromethane	4.28	128	15757	10.631	ug/L 96
25) Chloroform	4.41	83	55993	10.435	ug/L 93
27) 1,2-Dichloroethane	5.16	62	46450	10.761	ug/L 99
29) Cyclohexane	4.71	56	45154	10.424	ug/L 99
30) 1,1,1-Trichloroethane	4.64	97	47780	10.156	ug/L 98
31) Carbon tetrachloride	4.86	117	40864	10.294	ug/L 98
33) Benzene	5.13	78	116722	10.816	ug/L 100
34) Trichloroethene	5.94	95	30525	10.967	ug/L 99
35) Methylcyclohexane	6.16	83	41683	9.730	ug/L 100
37) 1,2-Dichloropropane	6.20	63	30001	10.391	ug/L 99
38) Bromodichloromethane	6.53	83	38289	9.929	ug/L 99
39) cis-1,3-Dichloropropene	7.05	75	39644	9.127	ug/L 98
40) 4-Methyl-2-pentanone	7.25	43	79457	21.693	ug/L 97

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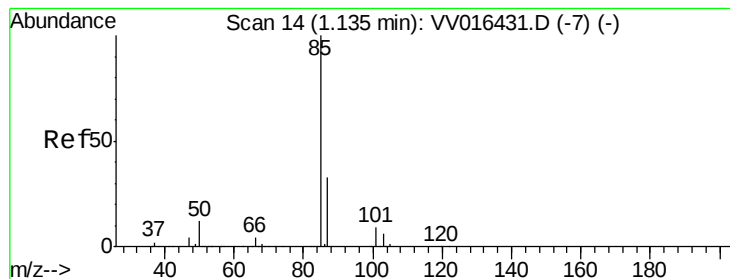
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 03 00:17:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 03 00:15:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.41	91	123084	10.663	ug/L	97
44) trans-1,3-Dichloropropene	7.68	75	39525	9.168	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	29984	11.154	ug/L	98
46) Tetrachloroethene	8.00	164	23930	11.154	ug/L	97
48) 2-Hexanone	8.16	43	64344	23.189	ug/L	98
49) Dibromochloromethane	8.27	129	26670	9.557	ug/L	94
50) 1,2-Dibromoethane	8.37	107	30439	10.902	ug/L #	99
51) Chlorobenzene	8.90	112	82716	11.005	ug/L	99
52) Ethylbenzene	9.04	91	131505	10.155	ug/L	98
53) m,p-Xylene	9.16	106	50230	10.392	ug/L	99
54) o-xylene	9.57	106	48073	10.213	ug/L	96
55) Styrene	9.58	104	83814	10.370	ug/L	96
56) Isopropylbenzene	9.95	105	122970	9.897	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	47454	11.271	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	38686	11.233	ug/L	99
61) Bromoform	9.75	173	14213	8.291	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	61809	10.724	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	64504	10.927	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	61693	10.582	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	9220	10.341	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	39285	9.940	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	34888	9.832	ug/L	95
69) Naphthalene	13.53	128	110372	10.699	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	34343	9.687	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 11.298 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

Instrument :

MSVOA_V

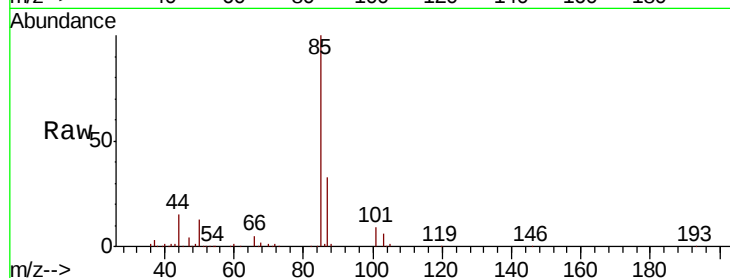
ClientSampled :

Tot Ion: 85 Resp: 34449

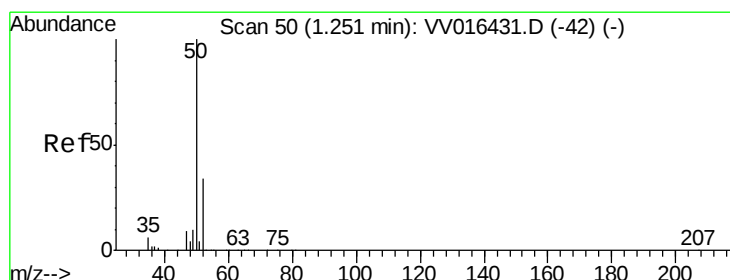
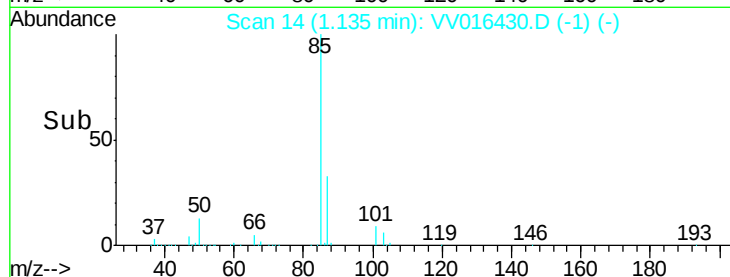
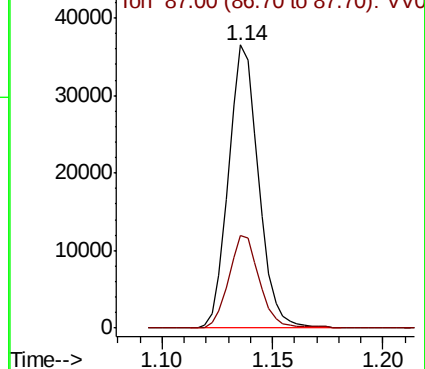
Ion Ratio Lower Upper

85 100

87 33.4 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV016430.D (-1) (-)



#3

Chloromethane

Concen: 10.805 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016430.D

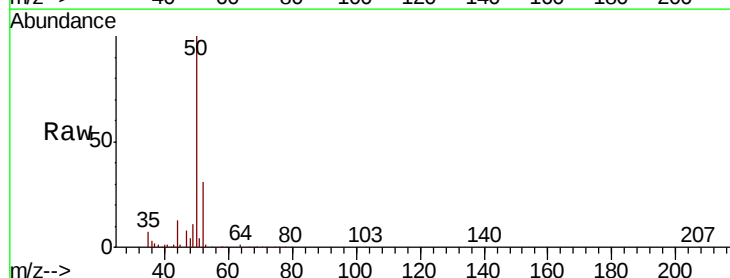
Acq: 02 Jun 2020 16:18

Tgt Ion: 50 Resp: 33933

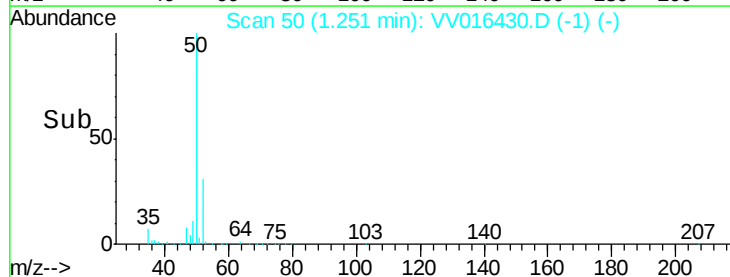
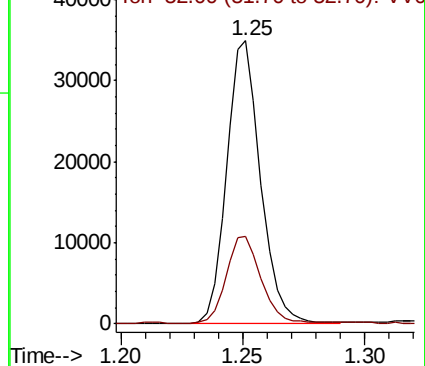
Ion Ratio Lower Upper

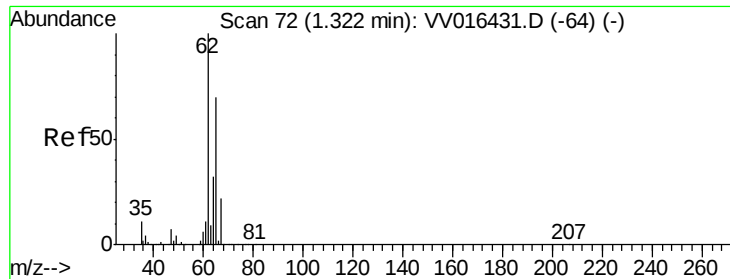
50 100

52 30.9 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VV016430.D (-1) (-)





#5

Vinyl chloride

Concen: 10.606 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

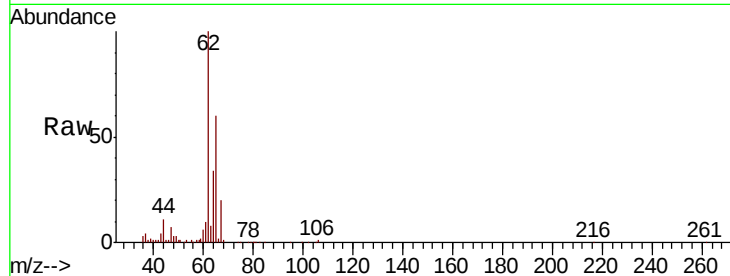
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 32194

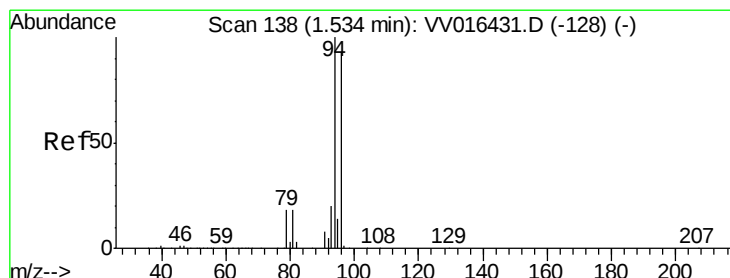
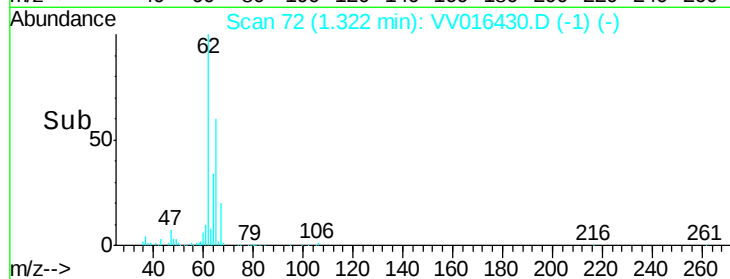
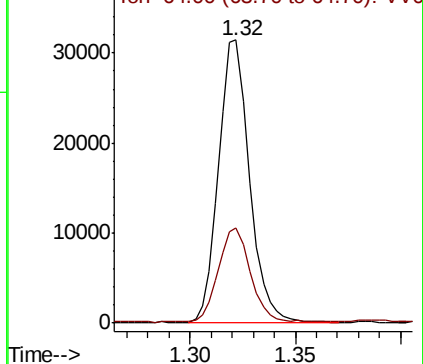
Ion Ratio Lower Upper

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



#6

Bromomethane

Concen: 9.384 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV016430.D

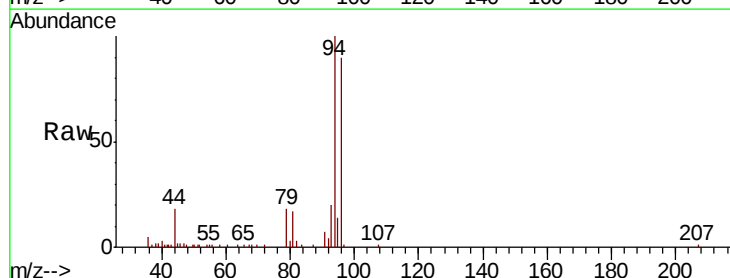
Acq: 02 Jun 2020 16:18

Tgt Ion: 94 Resp: 16756

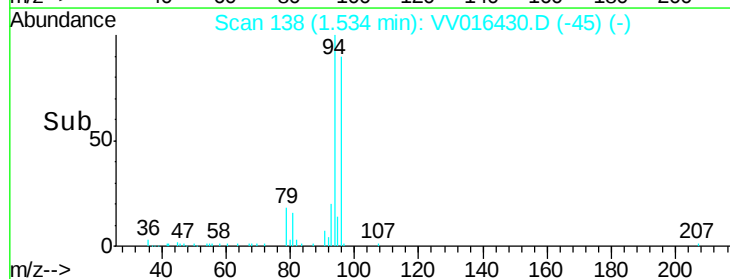
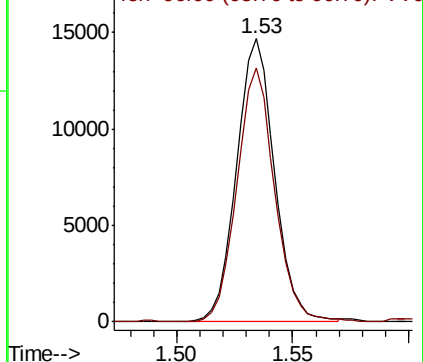
Ion Ratio Lower Upper

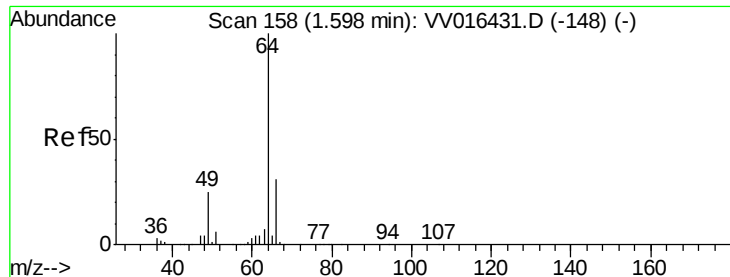
94 100

96 89.7 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: 9.754 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

Instrument :

MSVOA_V

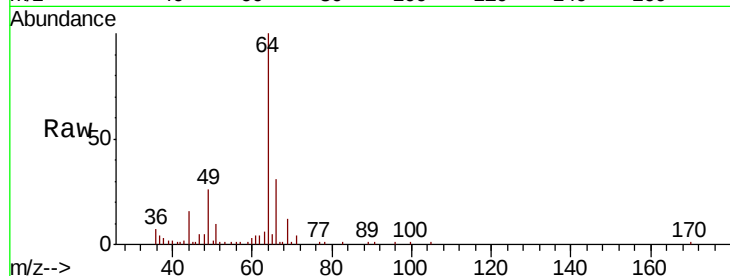
ClientSampleId :

Tot Ion: 64 Resp: 18997

Ion Ratio Lower Upper

64 100

66 30.6 21.4 39.8



Abundance Ion 64.00 (63.70 to 64.70): VV016430.D (-158) (-)

Ion 66.00 (65.70 to 66.70): VV016430.D (-158) (-)

1.60

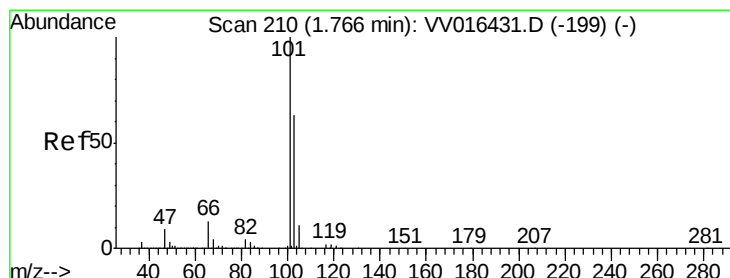
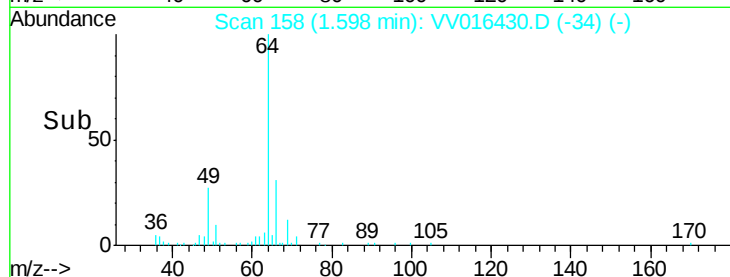
15000

10000

5000

0

Time-->



#9

Trichlorofluoromethane

Concen: 11.203 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV016430.D

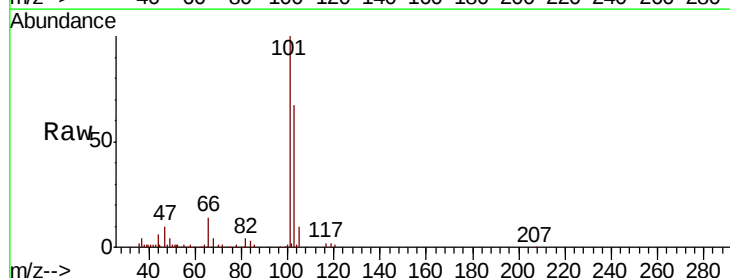
Acq: 02 Jun 2020 16:18

Tgt Ion: 101 Resp: 46129

Ion Ratio Lower Upper

101 100

103 64.3 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VV016430.D (-209) (-)

Ion 103.00 (102.70 to 103.70): VV016430.D (-209) (-)

1.77

40000

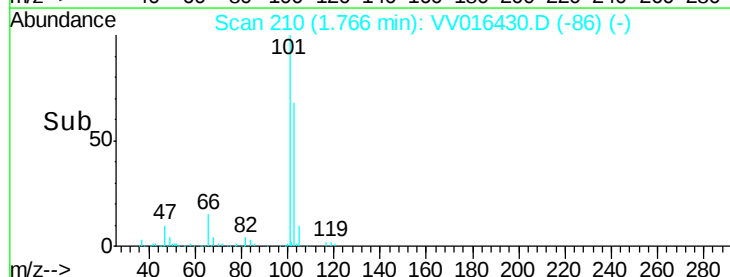
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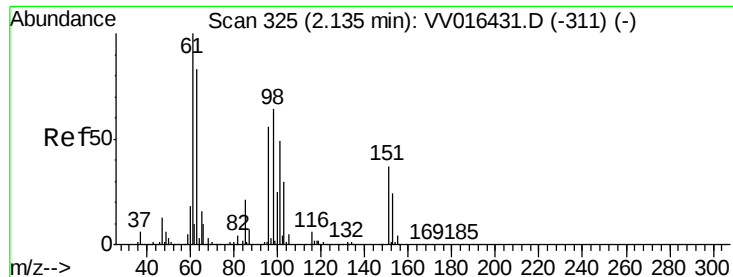
20000

10000

0

Time-->





#10

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

Concen: 10.187 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

Instrument :

MSVOA_V

ClientSampleId :

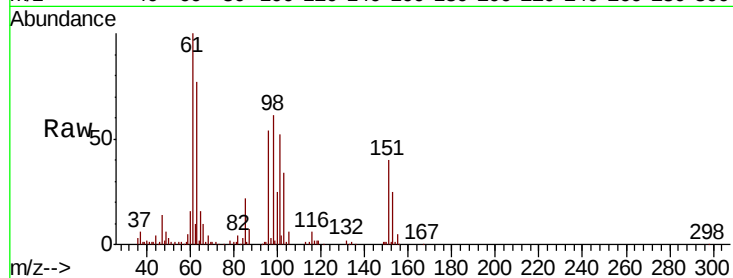
Tot Ion:101 Resp: 24984

Ion Ratio Lower Upper

101 100

85 43.6 35.6 53.4

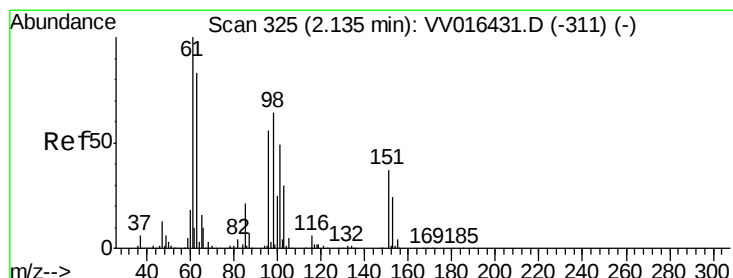
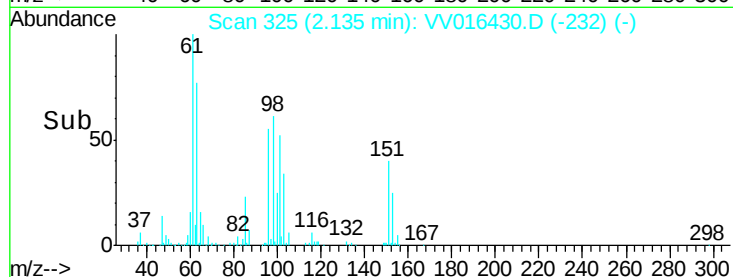
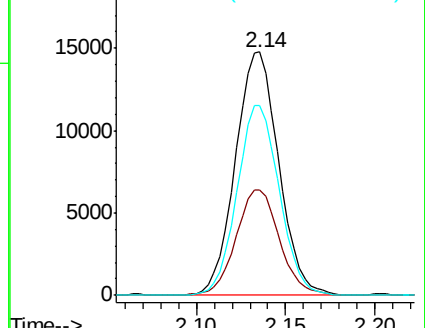
151 76.1 61.8 92.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 9.986 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

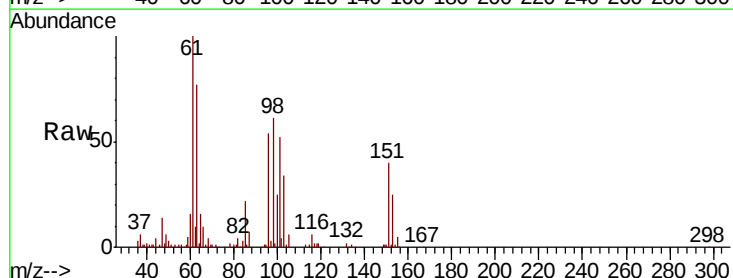
Tgt Ion: 96 Resp: 22790

Ion Ratio Lower Upper

96 100

61 183.6 125.5 233.1

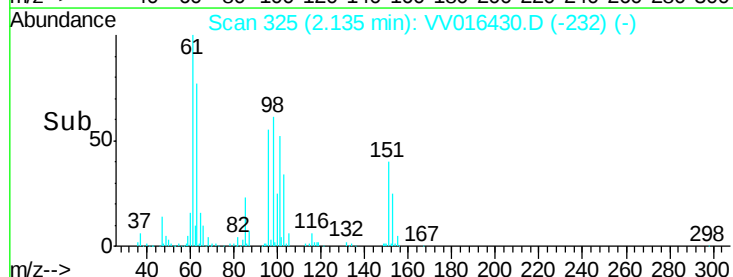
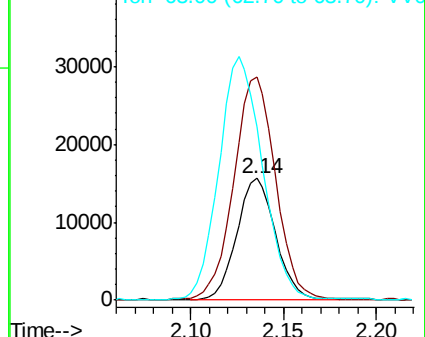
63 142.1 104.0 193.1

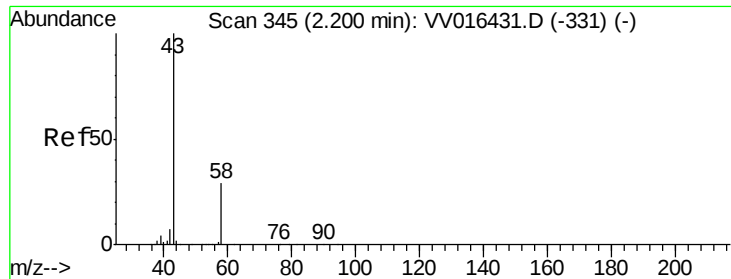


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 23.317 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.01 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

Instrument :

MSVOA_V

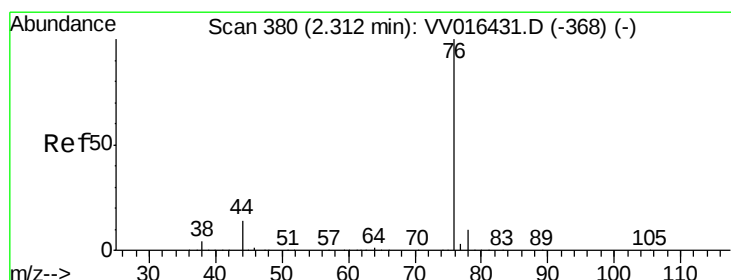
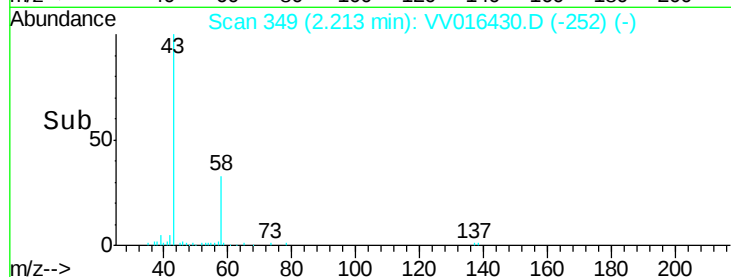
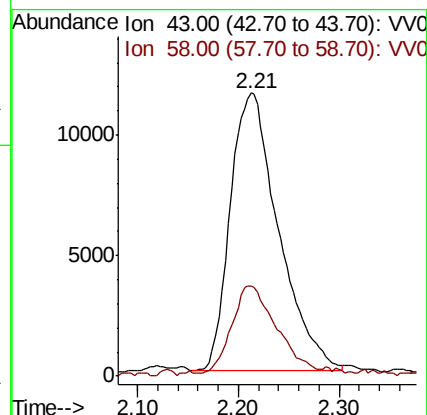
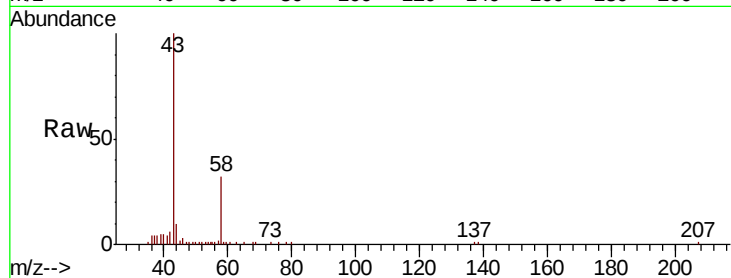
ClientSampled :

Tot Ion: 43 Resp: 38377

Ion Ratio Lower Upper

43 100

58 31.3 0.0 57.2



#14

Carbon disulfide

Concen: 11.263 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV016430.D

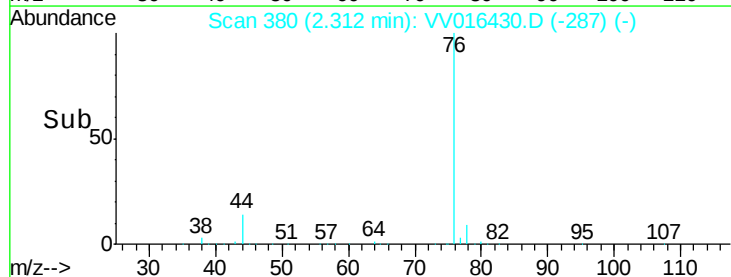
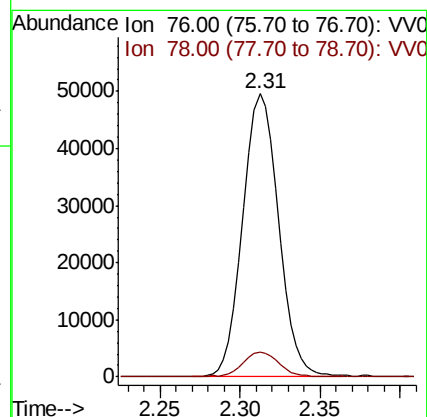
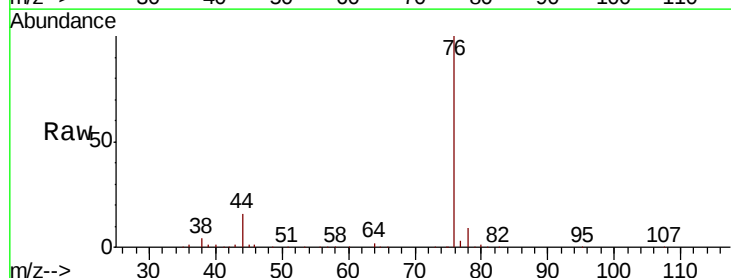
Acq: 02 Jun 2020 16:18

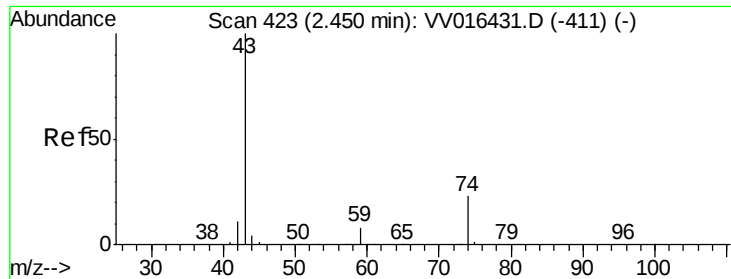
Tgt Ion: 76 Resp: 75743

Ion Ratio Lower Upper

76 100

78 8.8 7.6 11.4

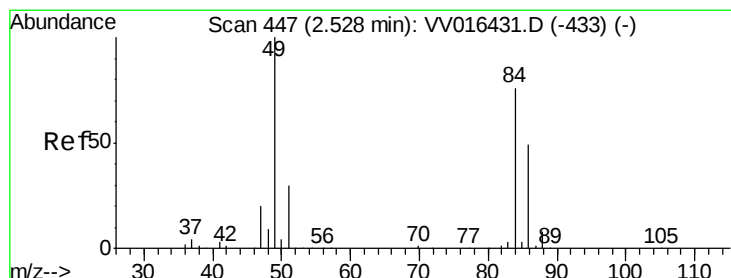
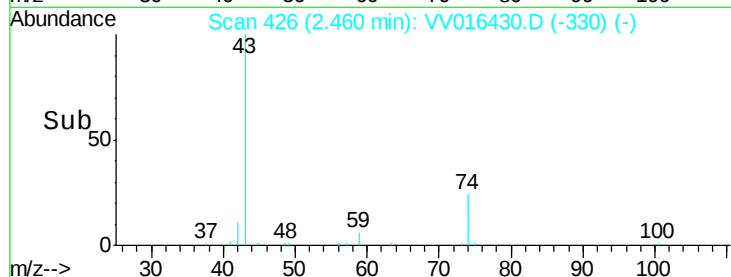
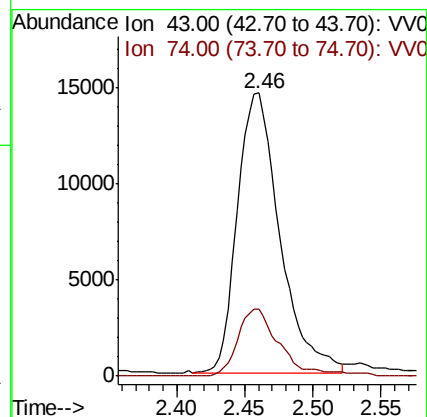
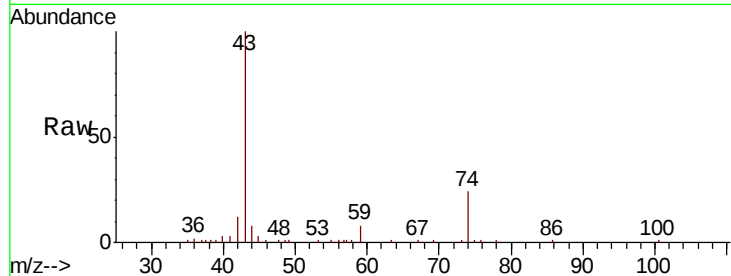




#15
Methvl Acetate
Concen: 11.285 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.01 min
Lab File: VV016430.D
Acq: 02 Jun 2020 16:18

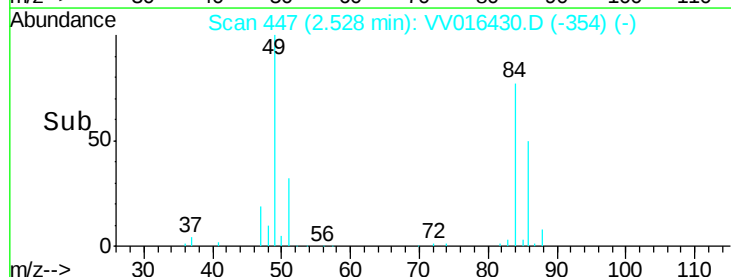
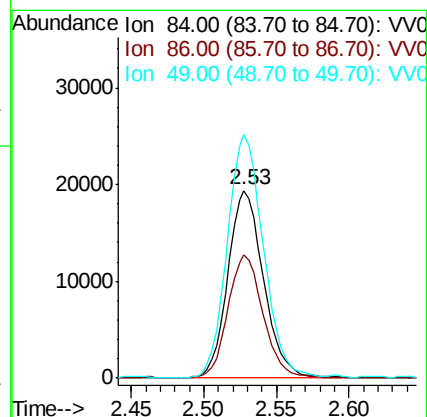
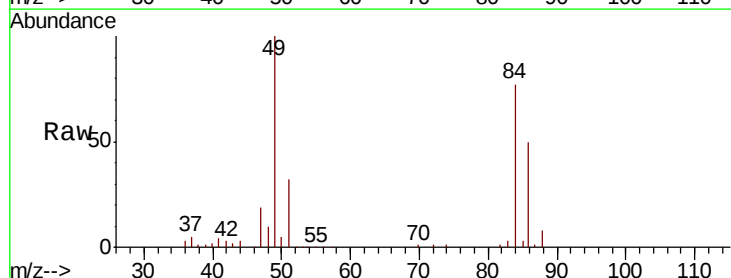
Instrument :
MSVOA_V
ClientSampleId :

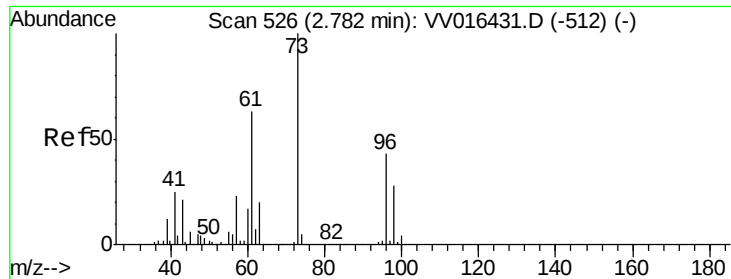
Tot Ion: 43 Resp: 31524
Ion Ratio Lower Upper
43 100
74 21.8 18.1 27.1



#16
Methylene chloride
Concen: 11.273 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV016430.D
Acq: 02 Jun 2020 16:18

Tgt Ion: 84 Resp: 33222
Ion Ratio Lower Upper
84 100
86 65.5 45.1 83.9
49 130.0 92.4 171.6





#17

trans-1,2-Dichloroethene

Concen: 11.282 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

Instrument :
MSVOA_V
ClientSampled :

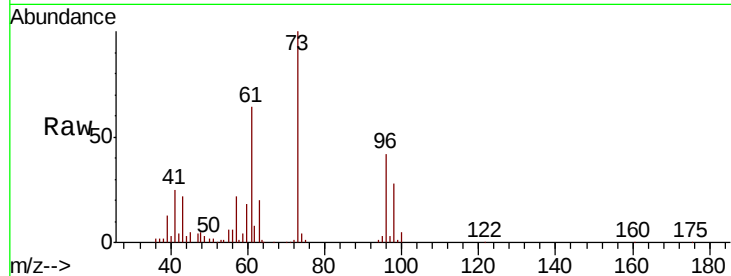
Tot Ion: 96 Resp: 28946

Ion Ratio Lower Upper

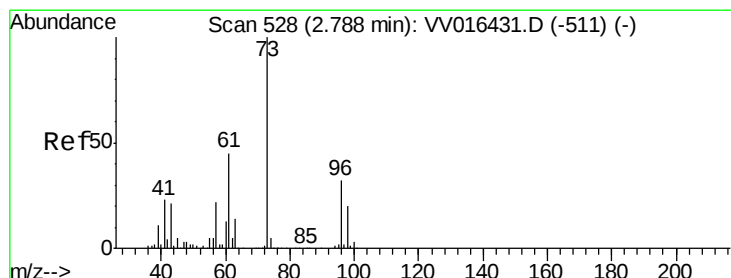
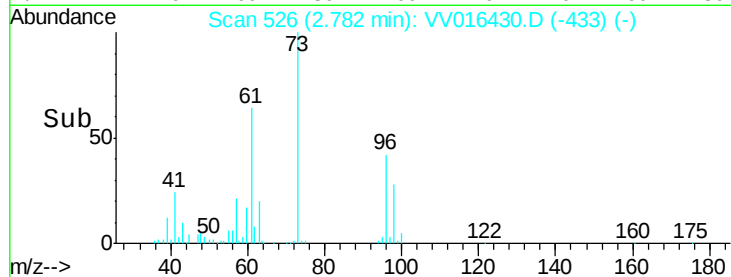
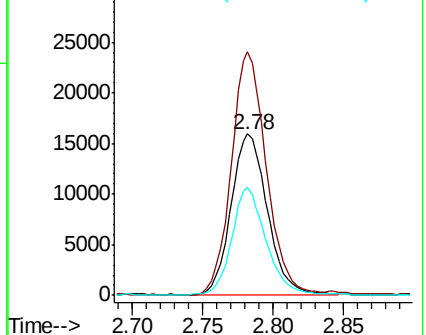
96 100

61 151.1 101.0 187.6

98 66.8 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: 10.244 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

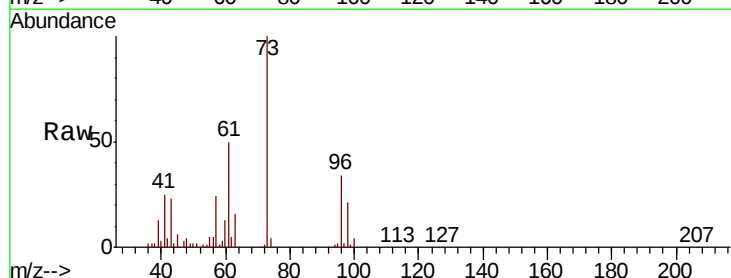
Tgt Ion: 73 Resp: 88029

Ion Ratio Lower Upper

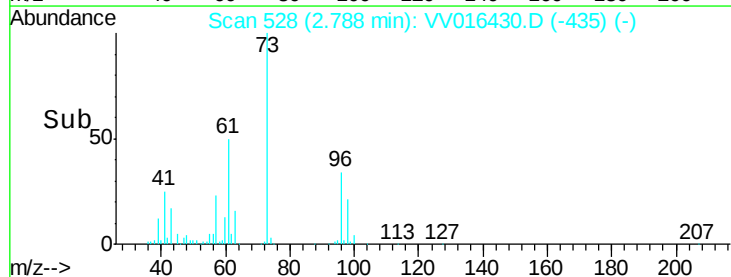
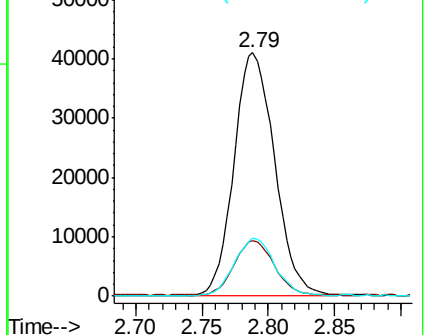
73 100

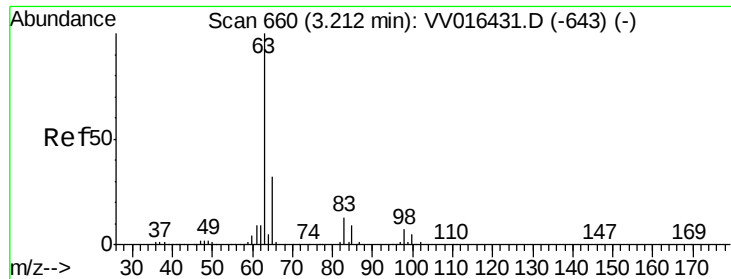
43 21.9 17.0 25.4

57 23.7 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: 10.417 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

Instrument :

MSVOA_V

ClientSampleId :

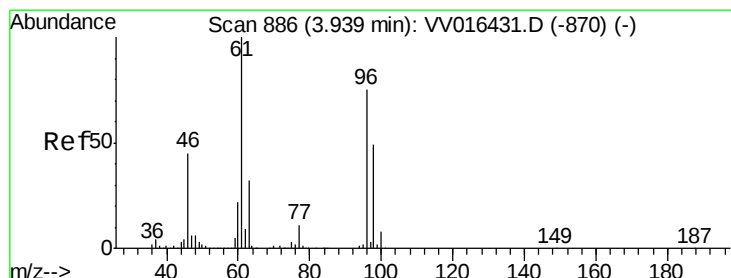
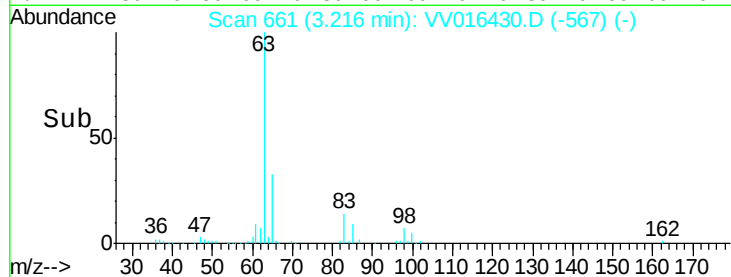
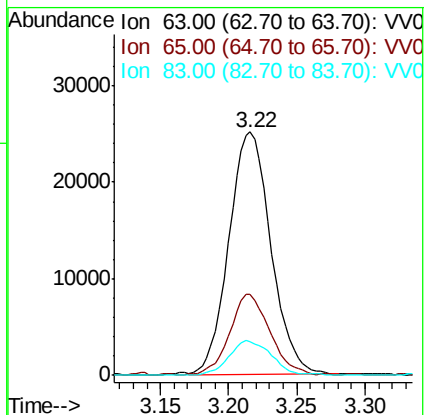
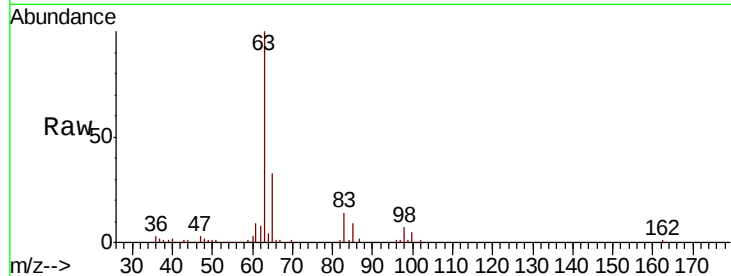
Tot Ion: 63 Resp: 53519

Ion Ratio Lower Upper

63 100

65 33.2 22.2 41.2

83 13.9 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 10.905 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

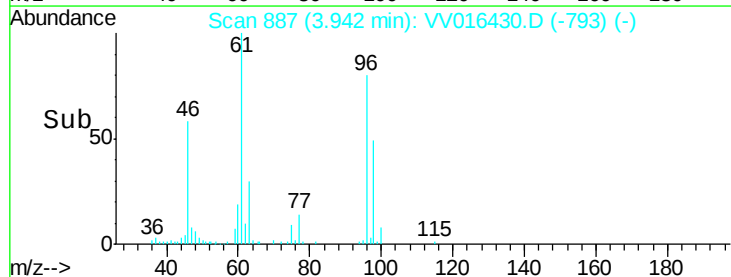
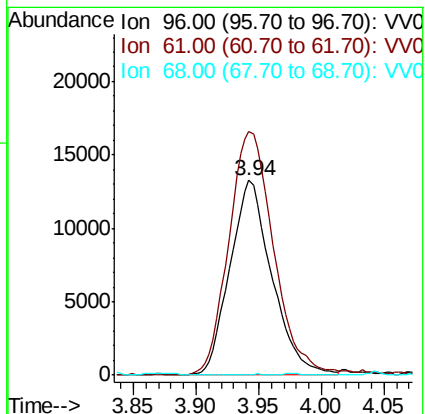
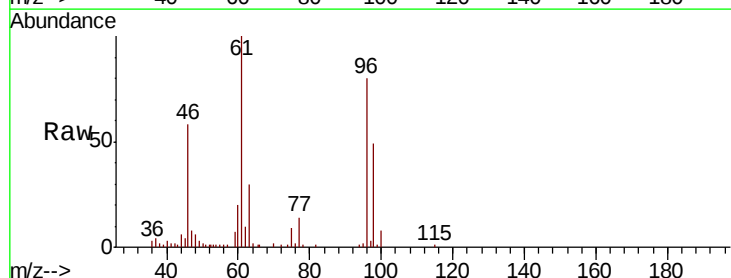
Tgt Ion: 96 Resp: 30794

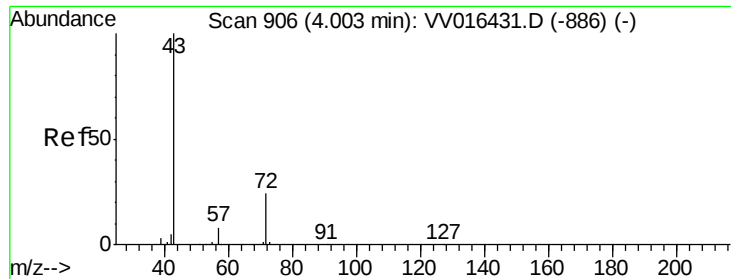
Ion Ratio Lower Upper

96 100

61 125.2 93.4 173.4

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 21.911 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.01 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

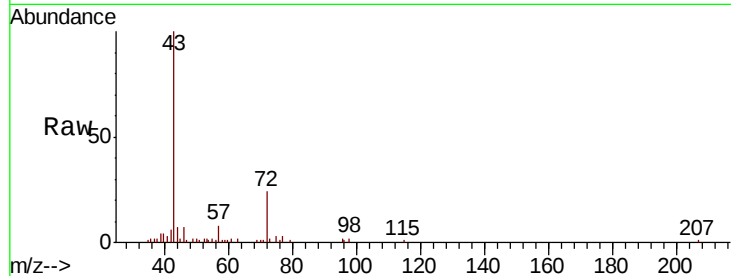
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 40829

Ion Ratio Lower Upper

43 100

72 24.0 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VV016430.D (-813) (-)

Ion 72.00 (71.70 to 72.70): VV016430.D (-813) (-)

4.02

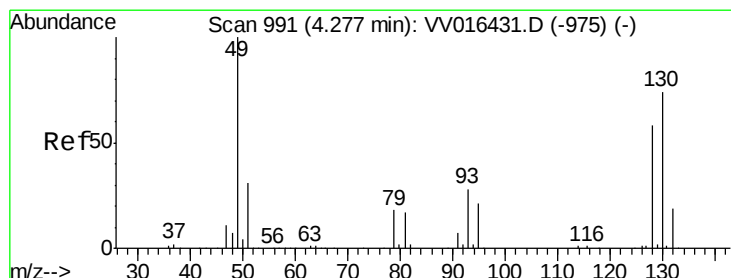
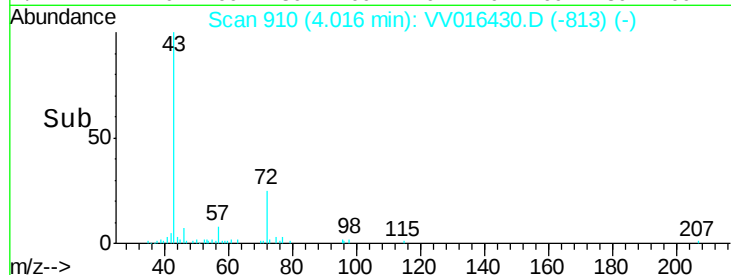
10000

5000

0

Time-->

3.95 4.00 4.05 4.10



#23

Bromochloromethane

Concen: 10.631 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

Tgt Ion: 128 Resp: 15757

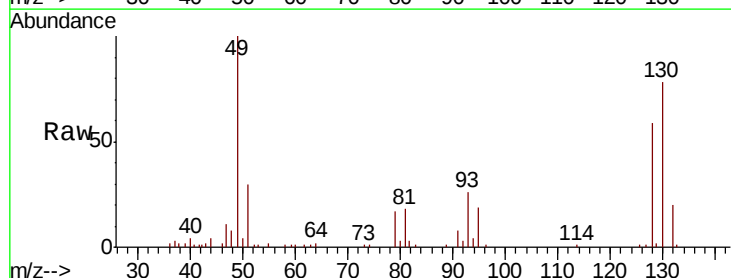
Ion Ratio Lower Upper

128 100

49 168.3 121.7 225.9

130 130.8 90.1 167.3

51 49.8 43.8 65.6



Abundance Ion 128.00 (127.70 to 128.70): VV016430.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV016430.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV016430.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV016430.D (-898) (-)

4.28

15000

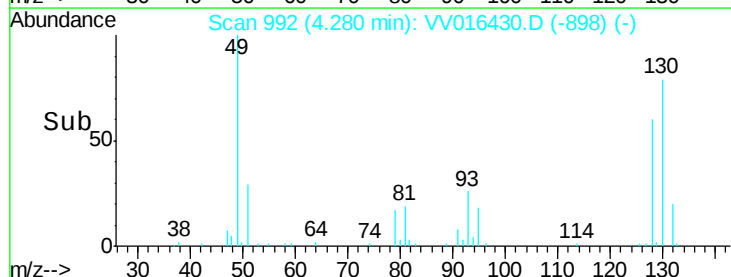
10000

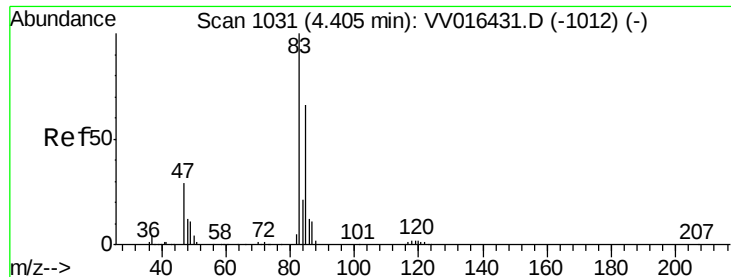
5000

0

Time-->

4.20 4.25 4.30 4.35





#25

Chloroform

Concen: 10.435 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

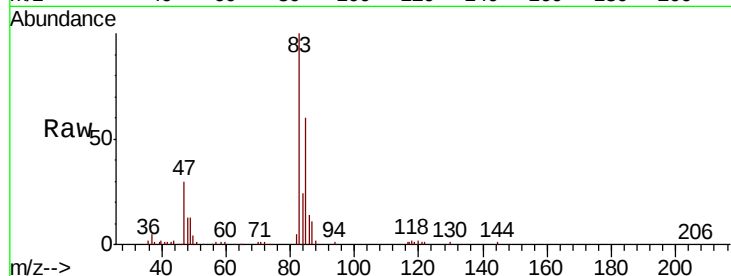
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 55993

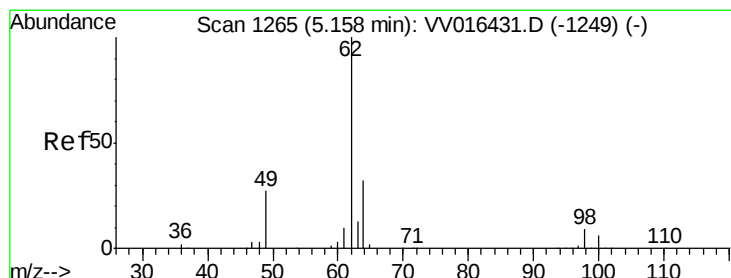
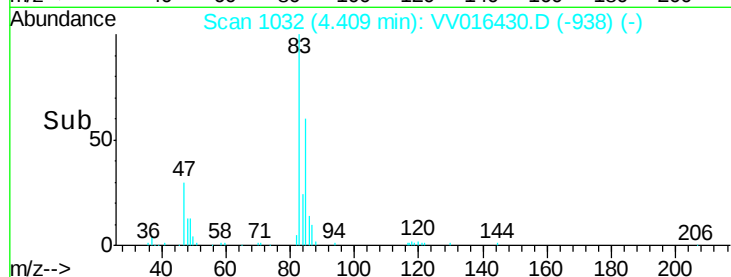
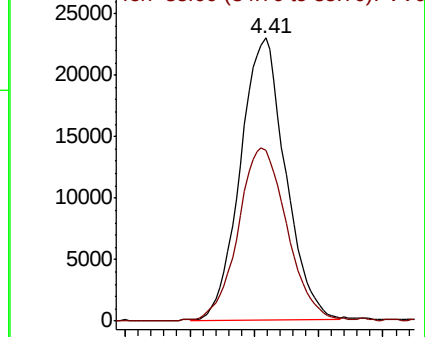
Ion Ratio Lower Upper

83 100

85 60.4 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 10.761 ug/L

RT: 5.16 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VV016430.D

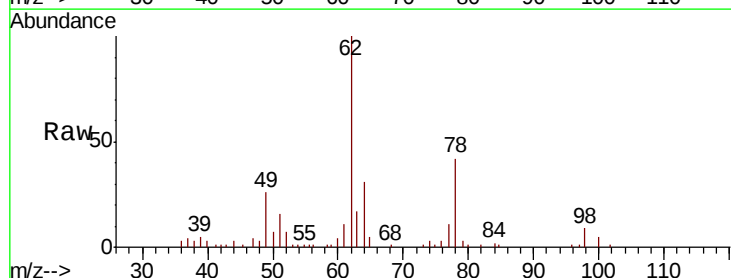
Acq: 02 Jun 2020 16:18

Tgt Ion: 62 Resp: 46450

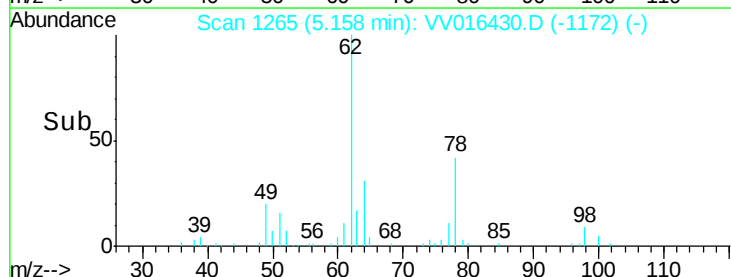
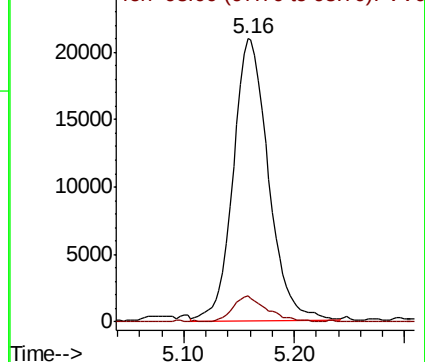
Ion Ratio Lower Upper

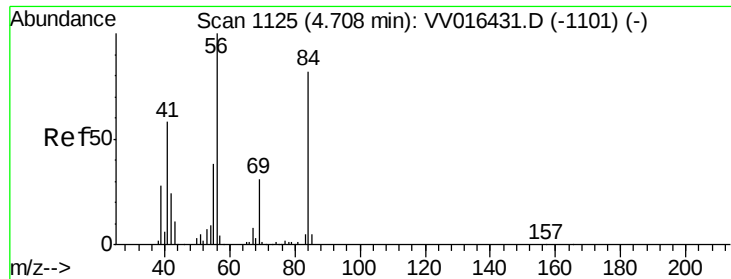
62 100

98 9.1 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

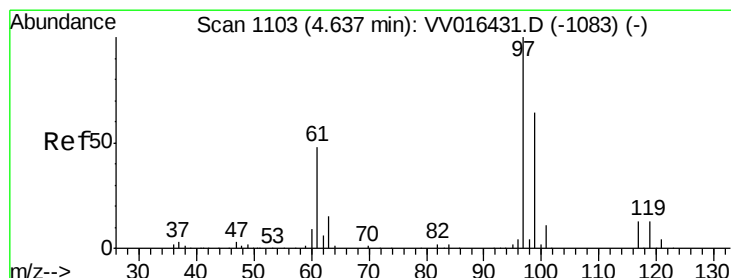
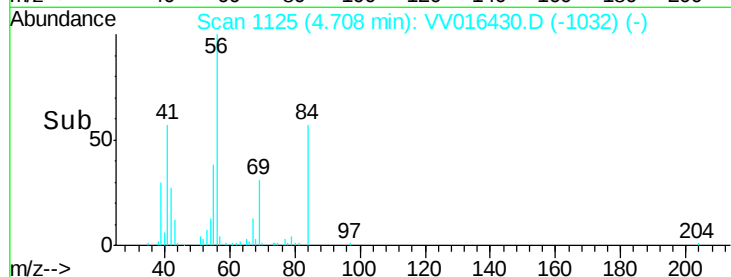
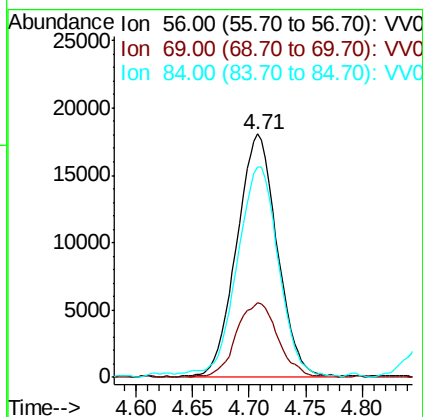
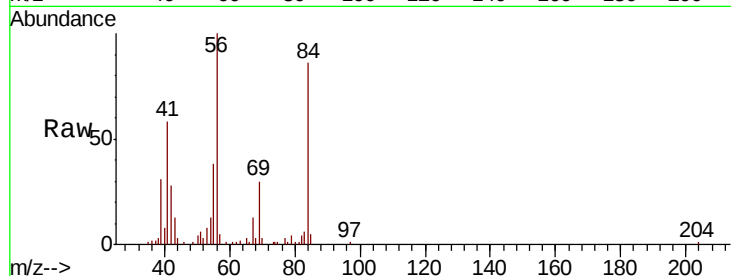




#29
Cyclohexane
Concen: 10.424 ug/L
RT: 4.71 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VV016430.D
Acq: 02 Jun 2020 16:18

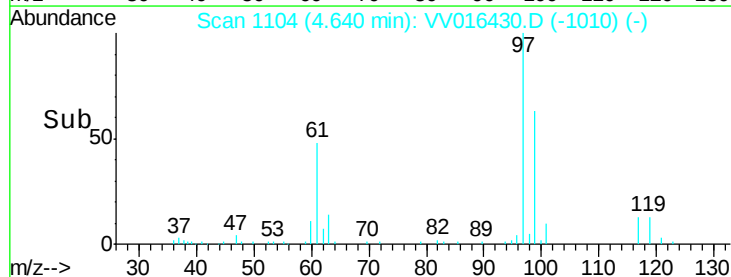
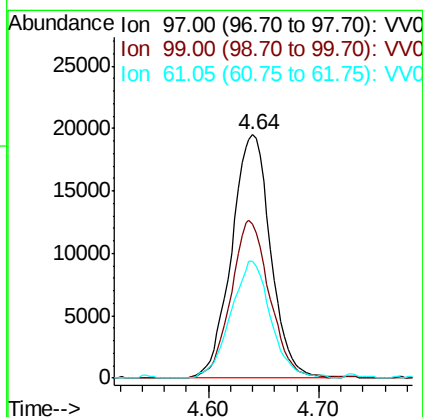
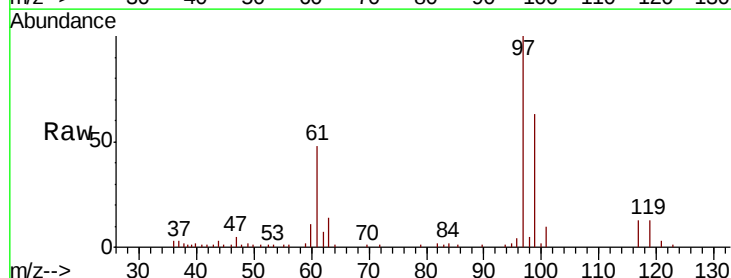
Instrument :
MSVOA_V
ClientSampleId :

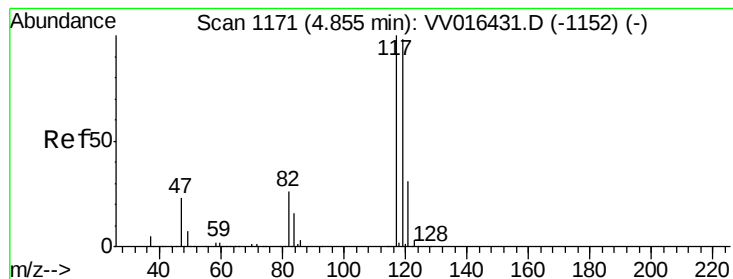
Tot Ion: 56 Resp: 45154
Ion Ratio Lower Upper
56 100
69 30.0 23.9 35.9
84 83.9 68.2 102.2



#30
1,1,1-Trichloroethane
Concen: 10.156 ug/L
RT: 4.64 min Scan# 1104
Delta R.T. 0.00 min
Lab File: VV016430.D
Acq: 02 Jun 2020 16:18

Tgt Ion: 97 Resp: 47780
Ion Ratio Lower Upper
97 100
99 64.0 51.8 77.8
61 49.0 37.4 56.0





#31

Carbon tetrachloride

Concen: 10.294 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

Instrument :

MSVOA_V

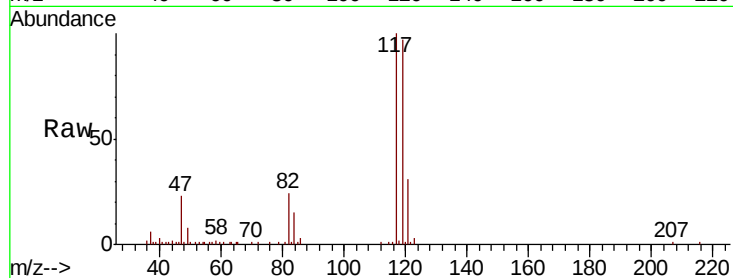
ClientSampleId :

Tot Ion:117 Resp: 40864

Ion Ratio Lower Upper

117 100

119 95.3 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

20000

15000

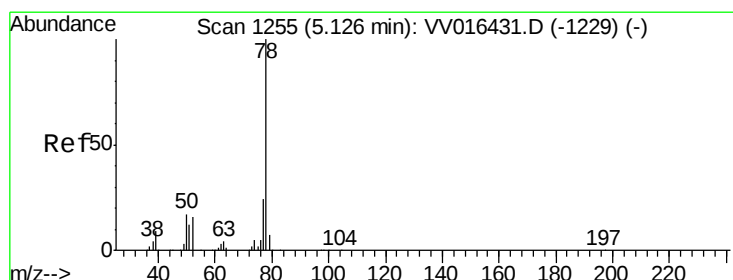
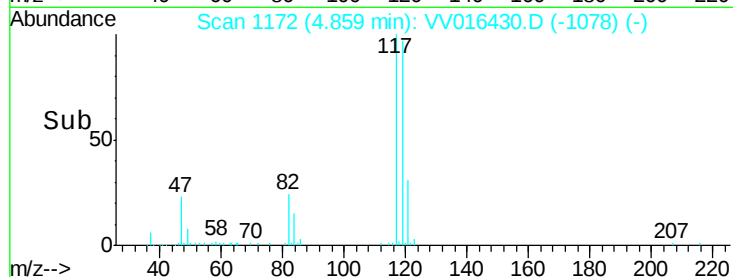
10000

5000

0

4.75 4.80 4.85 4.90 4.95

Time-->



#33

Benzene

Concen: 10.816 ug/L

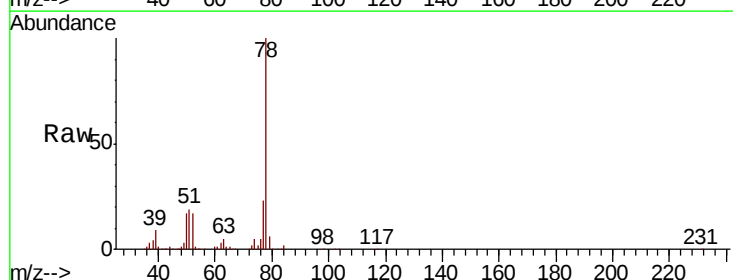
RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

Tgt Ion: 78 Resp: 116722



Abundance Ion 78.00 (77.70 to 78.70): VV0

60000

50000

40000

30000

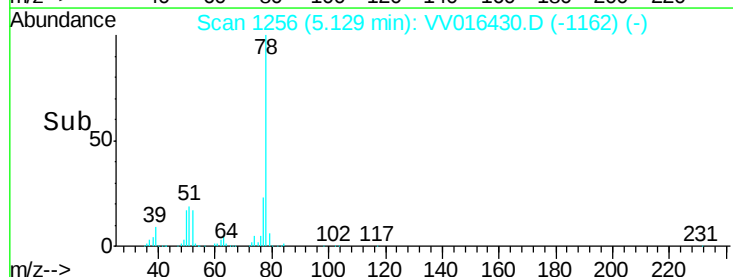
20000

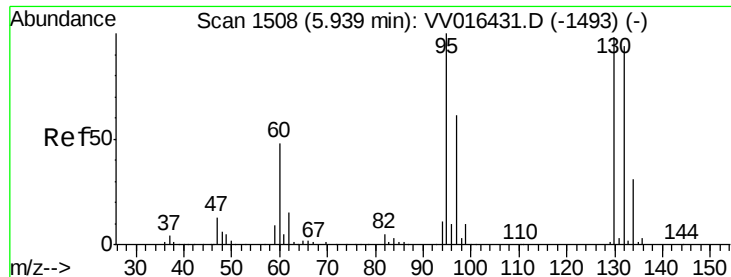
10000

0

5.00 5.10 5.20

Time-->

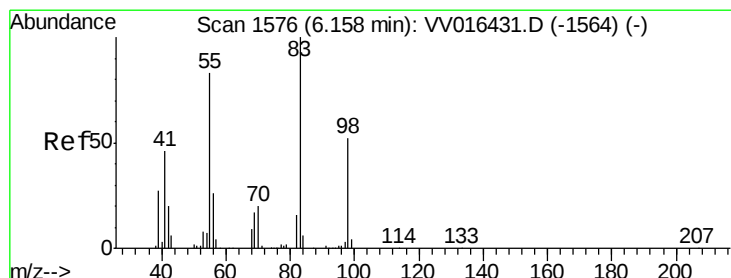
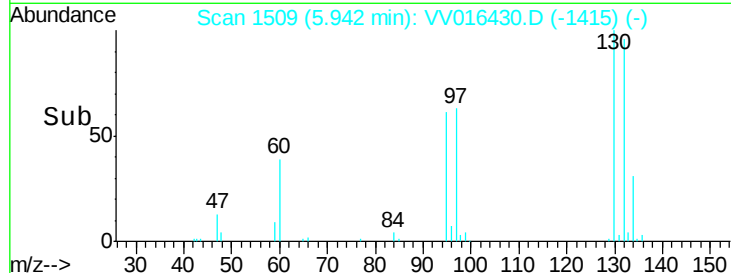
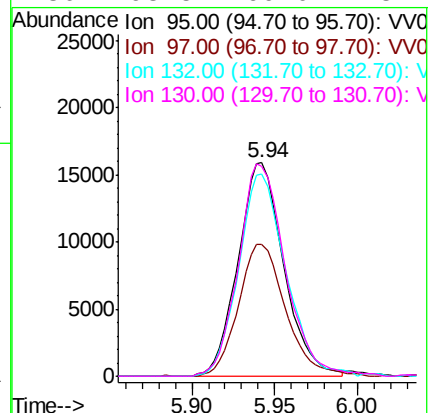
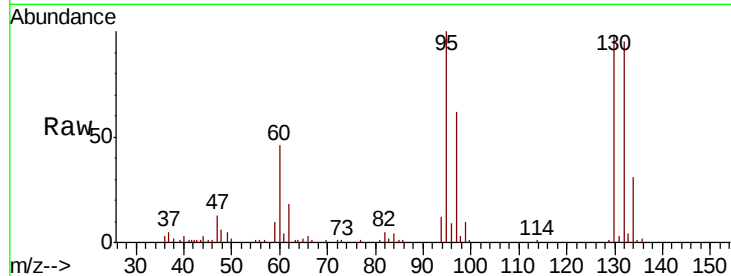




#34
 Trichloroethene
 Concen: 10.967 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VV016430.D
 Acq: 02 Jun 2020 16:18

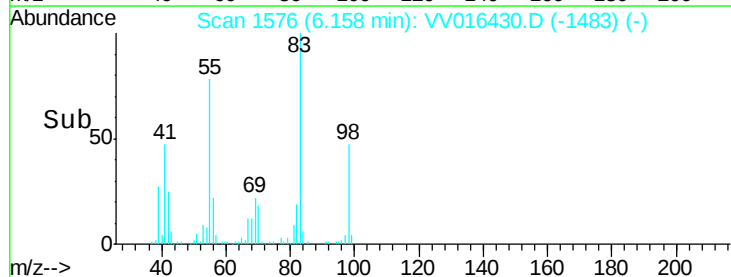
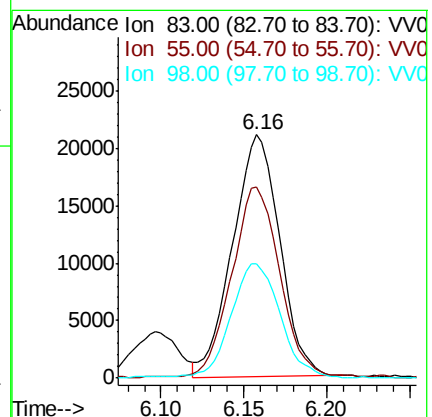
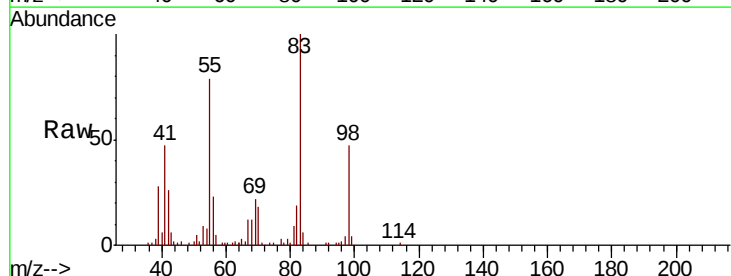
Instrument :
 MSVOA_V
 ClientSampled :

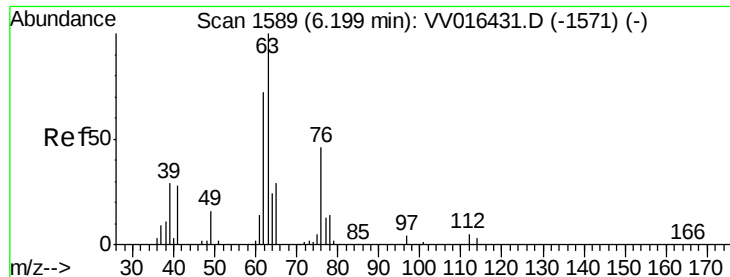
Tot Ion: 95 Resp: 30525
 Ion Ratio Lower Upper
 95 100
 97 62.0 42.8 79.6
 132 94.6 65.6 121.8
 130 98.5 69.0 128.1



#35
 Methylcyclohexane
 Concen: 9.730 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VV016430.D
 Acq: 02 Jun 2020 16:18

Tgt Ion: 83 Resp: 41683
 Ion Ratio Lower Upper
 83 100
 55 79.6 63.4 95.0
 98 49.4 39.4 59.0

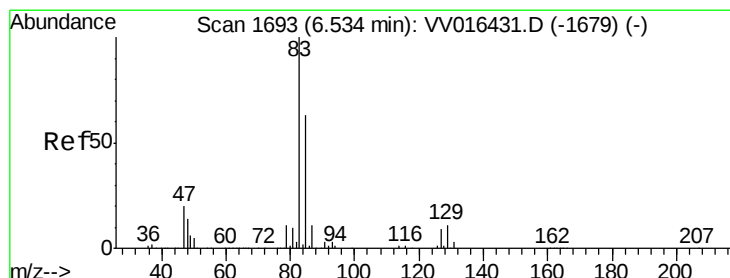
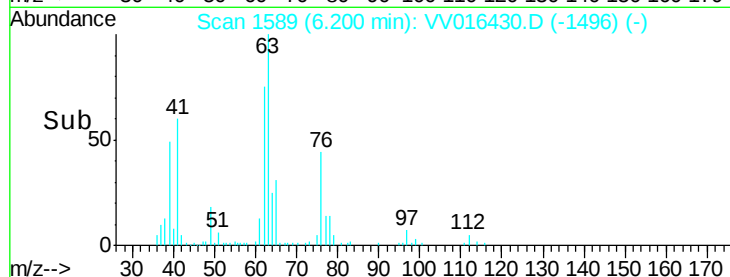
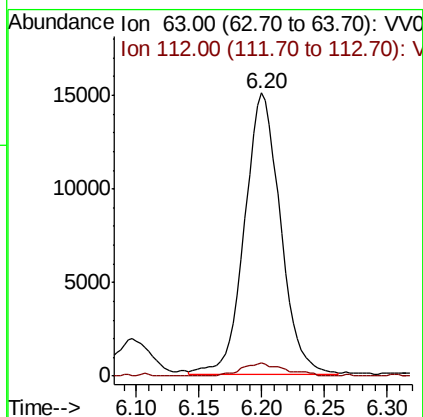
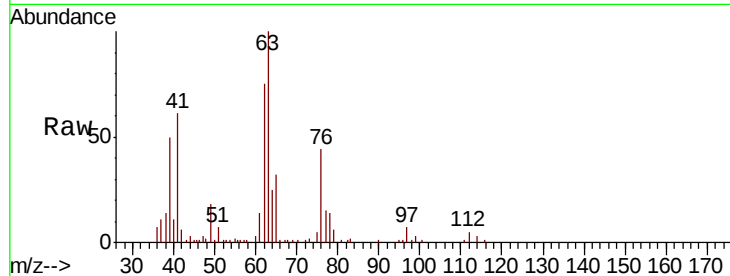




#37
 1,2-Dichloropropane
 Concen: 10.391 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV016430.D
 Acq: 02 Jun 2020 16:18

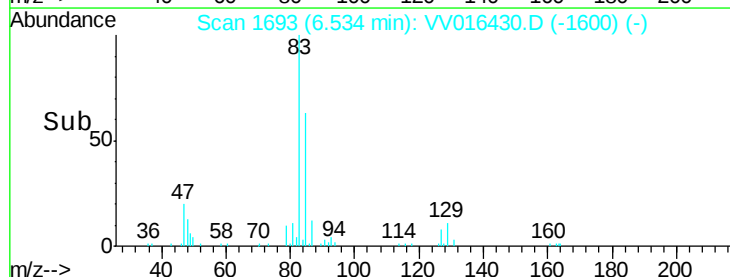
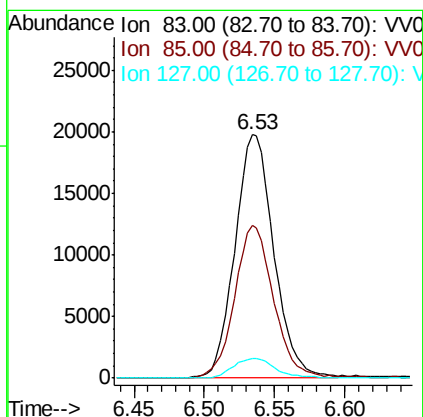
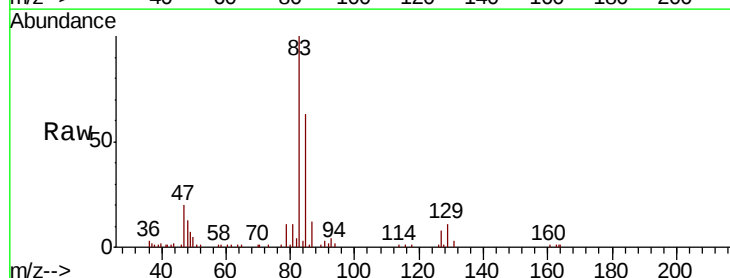
Instrument :
 MSVOA_V
 ClientSampleId :

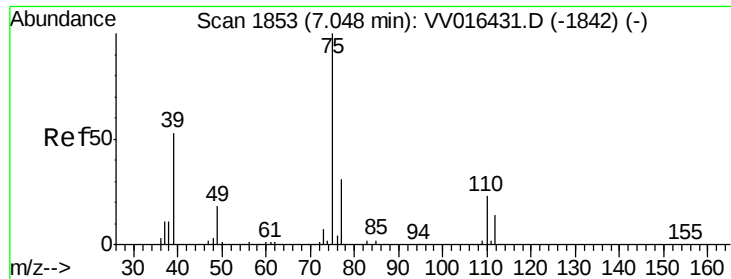
Tot Ion: 63 Resp: 30001
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.9 5.9



#38
 Bromodichloromethane
 Concen: 9.929 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV016430.D
 Acq: 02 Jun 2020 16:18

Tgt Ion: 83 Resp: 38289
 Ion Ratio Lower Upper
 83 100
 85 62.8 44.4 82.5
 127 7.9 7.1 10.7

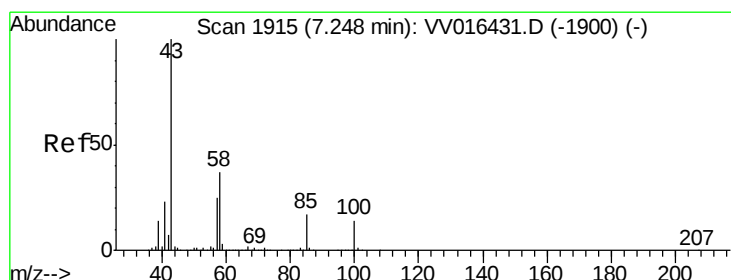
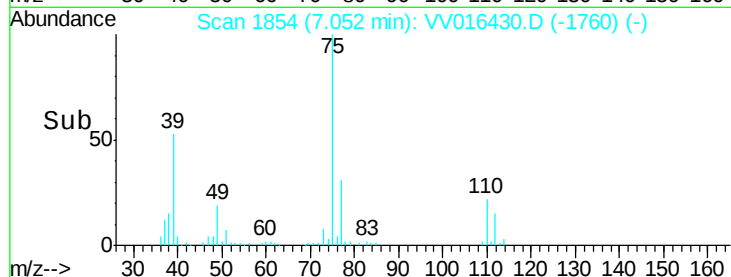
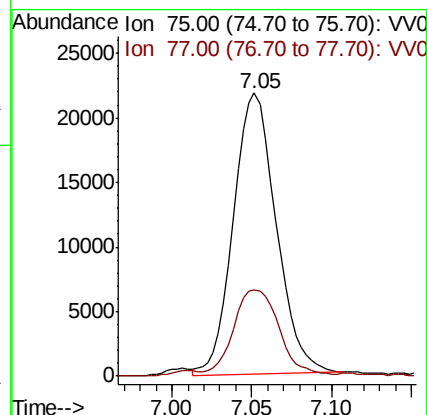
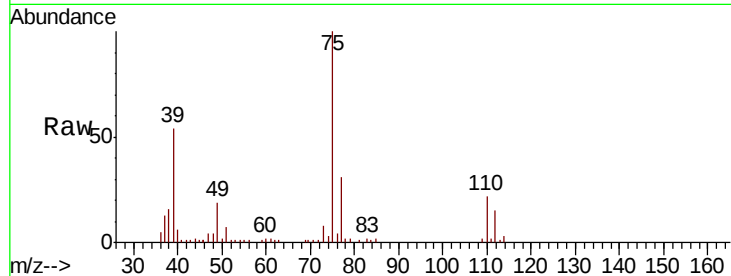




#39
 cis-1,3-Dichloropropene
 Concen: 9.127 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV016430.D
 Acq: 02 Jun 2020 16:18

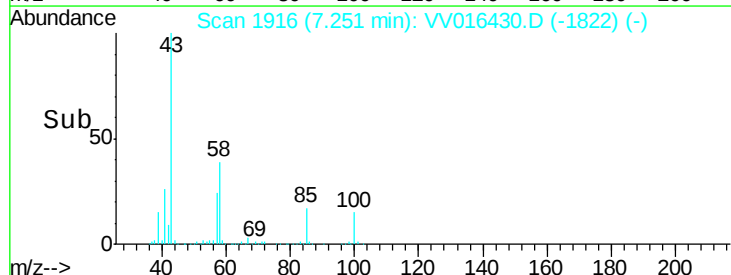
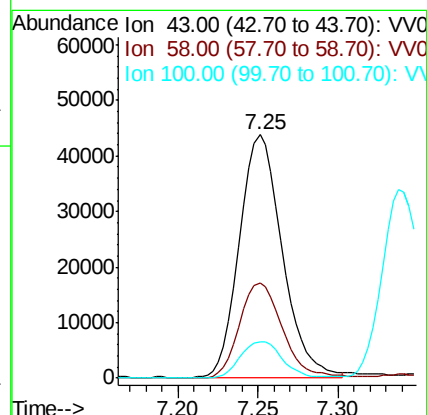
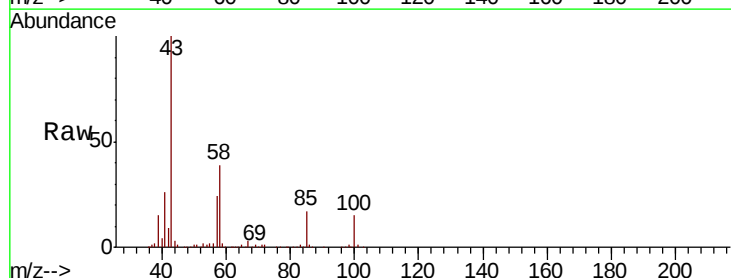
Instrument :
 MSVOA_V
 ClientSampleId :

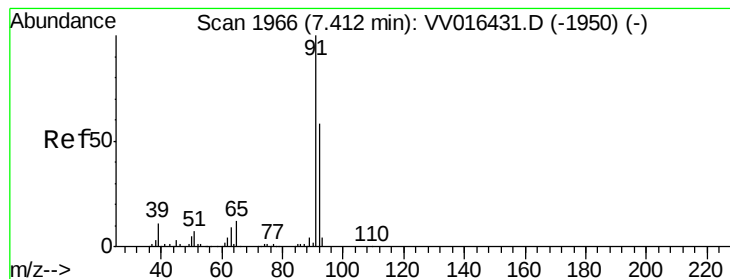
Tot Ion: 75 Resp: 39644
 Ion Ratio Lower Upper
 75 100
 77 30.6 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 21.693 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV016430.D
 Acq: 02 Jun 2020 16:18

Tgt Ion: 43 Resp: 79457
 Ion Ratio Lower Upper
 43 100
 58 39.8 29.9 44.9
 100 14.8 11.9 17.9





#42

Toluene

Concen: 10.663 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

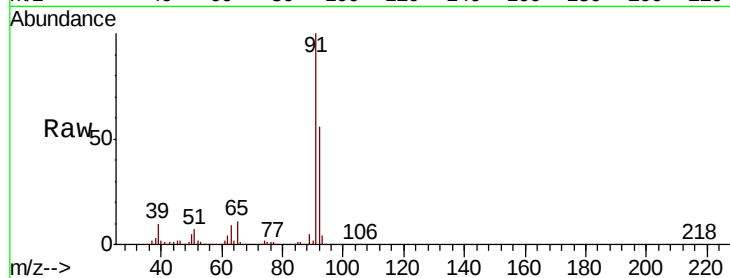
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 123084

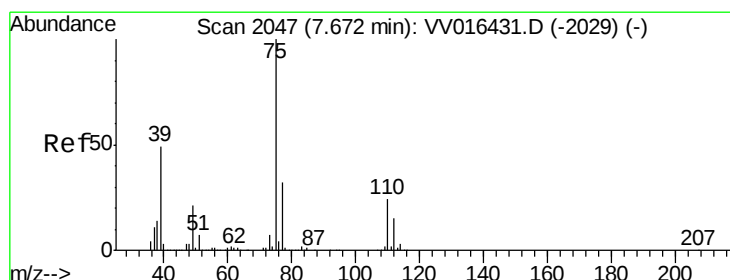
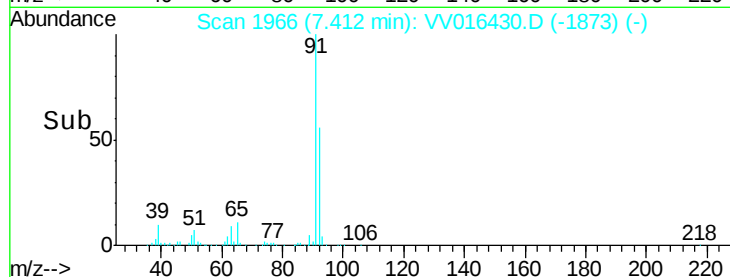
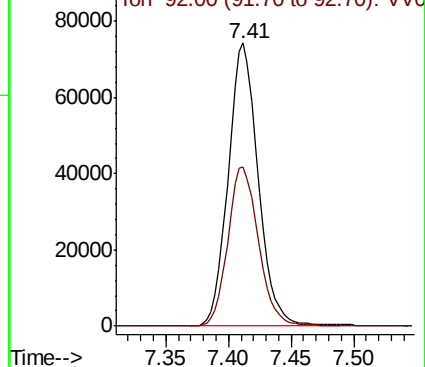
Ion Ratio Lower Upper

91 100

92 56.0 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 9.168 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV016430.D

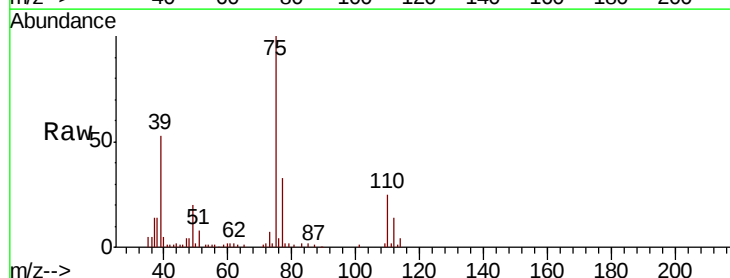
Acq: 02 Jun 2020 16:18

Tgt Ion: 75 Resp: 39525

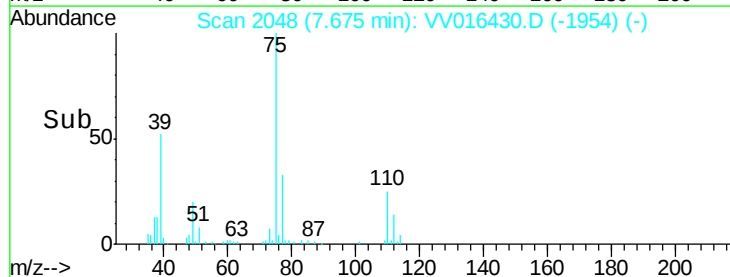
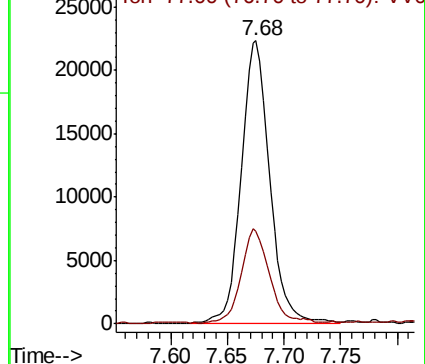
Ion Ratio Lower Upper

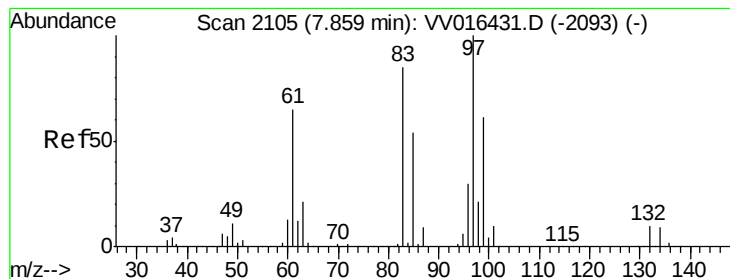
75 100

77 32.8 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0





#45

1,1,2-Trichloroethane

Concen: 11.154 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 29984

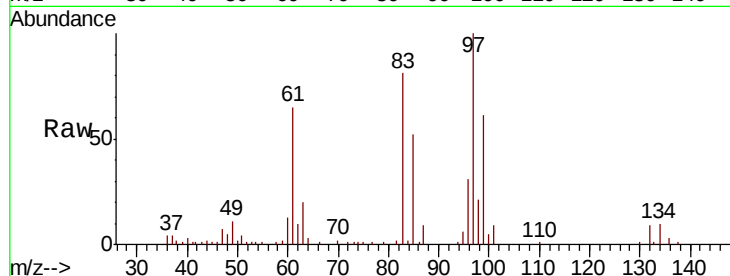
Ion Ratio Lower Upper

97 100

99 60.9 42.9 79.7

83 81.2 59.3 110.1

85 52.3 37.5 69.7

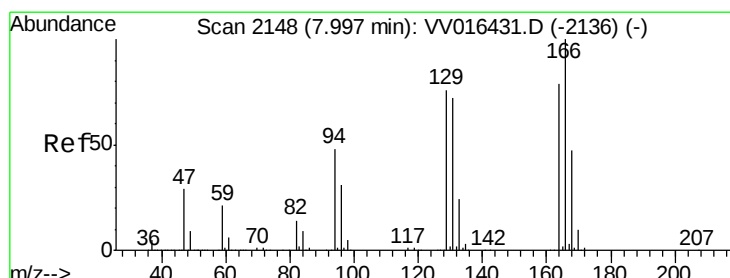
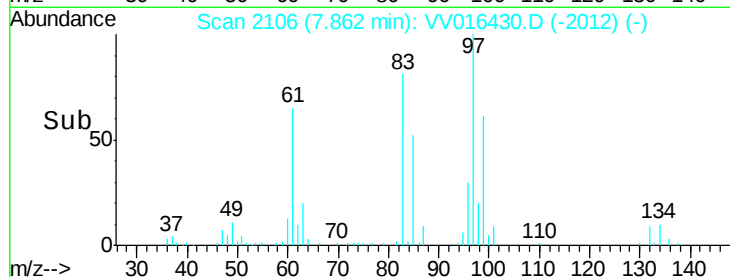
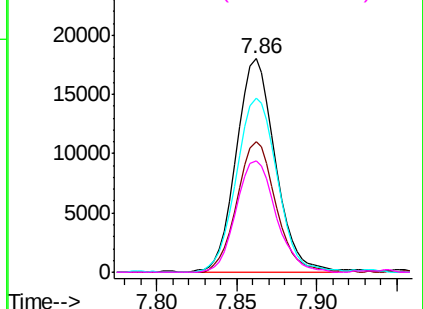


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 11.154 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

Tgt Ion: 164 Resp: 23930

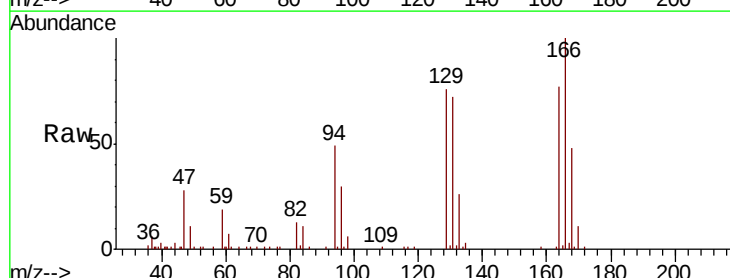
Ion Ratio Lower Upper

164 100

129 99.6 67.7 125.7

131 93.5 63.8 118.6

166 130.2 88.7 164.7

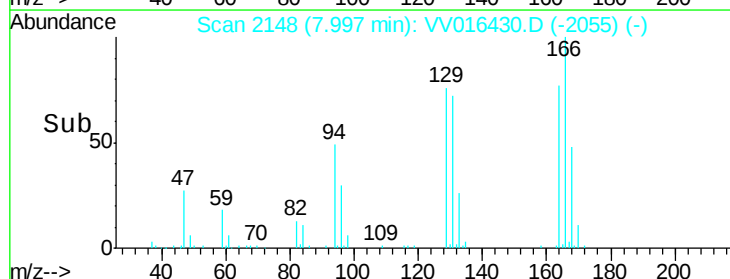
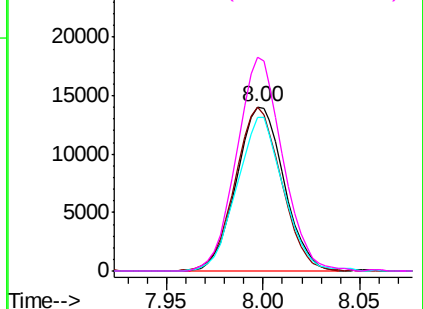


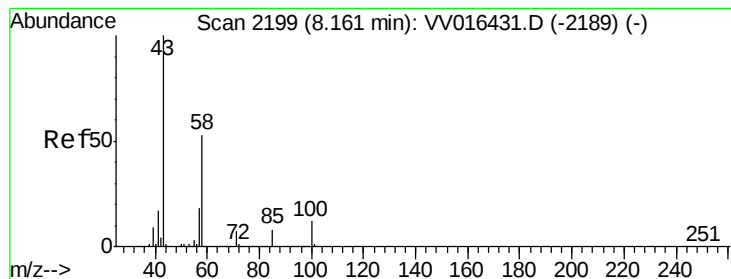
Abundance Ion 164.00 (163.70 to 164.70): V

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: 23.189 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 43 Resp: 64344

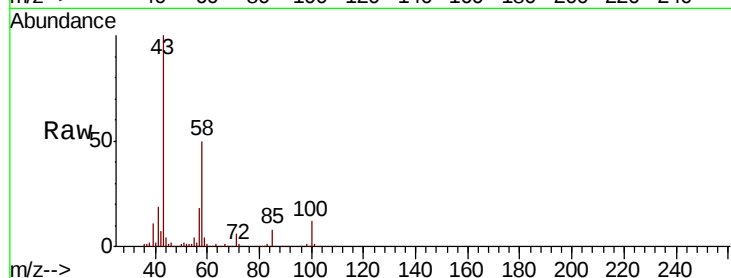
Ion Ratio Lower Upper

43 100

58 51.9 42.7 64.1

57 16.9 14.5 21.7

100 12.2 9.4 14.2



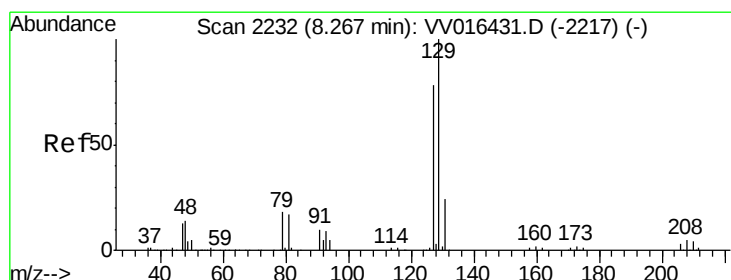
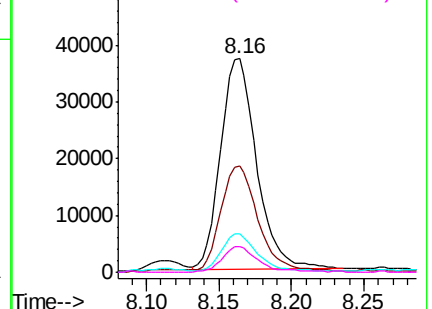
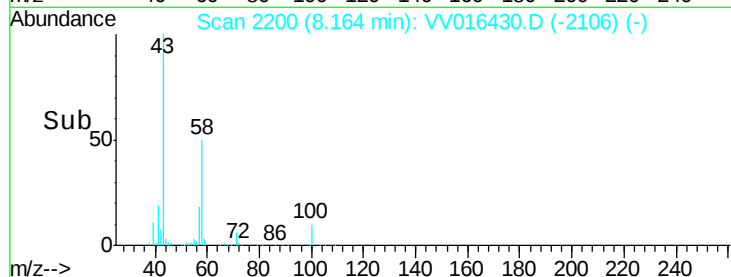
Abundance

Ion 43.00 (42.70 to 43.70): VV016430.D (-2106) (-)

Ion 58.00 (57.70 to 58.70): VV016430.D (-2106) (-)

Ion 57.00 (56.70 to 57.70): VV016430.D (-2106) (-)

Ion 100.00 (99.70 to 100.70): VV016430.D (-2106) (-)



#49

Dibromochloromethane

Concen: 9.557 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV016430.D

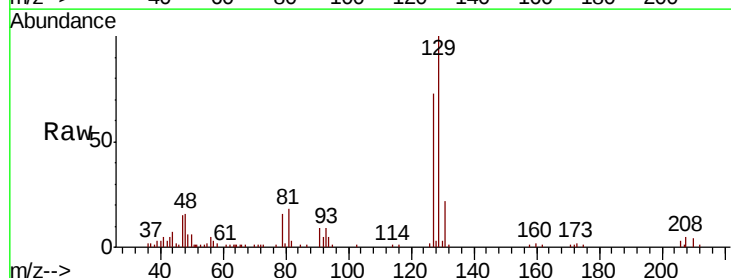
Acq: 02 Jun 2020 16:18

Tgt Ion: 129 Resp: 26670

Ion Ratio Lower Upper

129 100

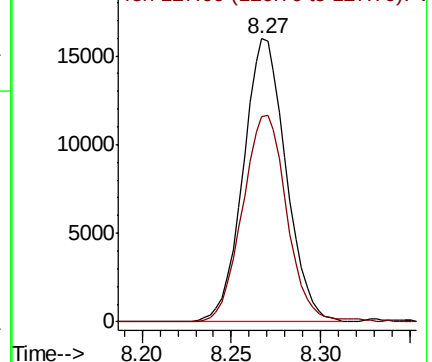
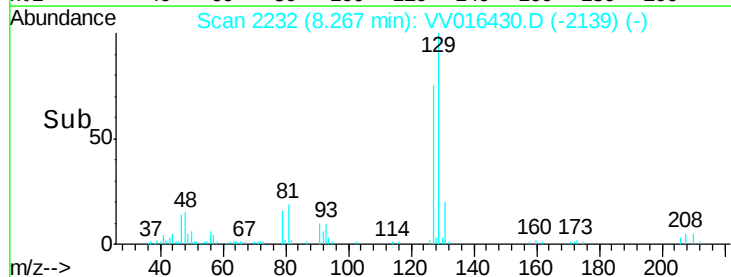
127 72.7 54.6 101.4

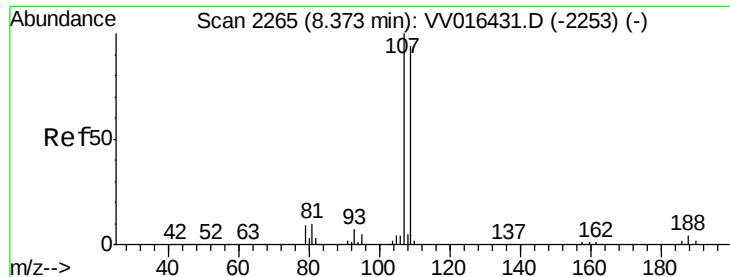


Abundance

Ion 129.00 (128.70 to 129.70): VV016430.D (-2139) (-)

Ion 127.00 (126.70 to 127.70): VV016430.D (-2139) (-)

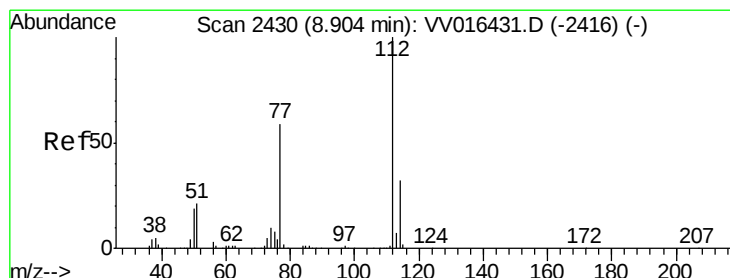
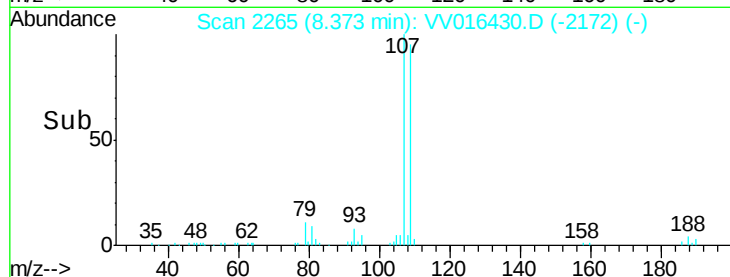
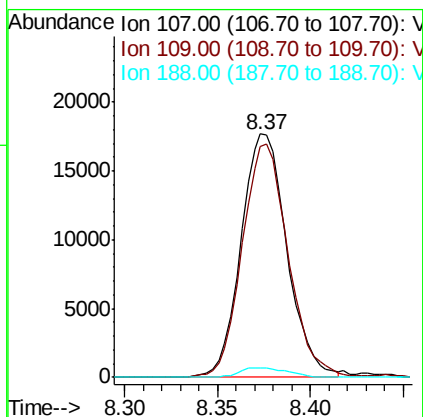
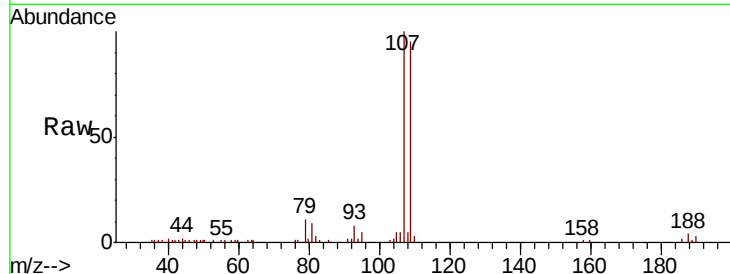




#50
1,2-Dibromoethane
Concen: 10.902 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV016430.D
Acq: 02 Jun 2020 16:18

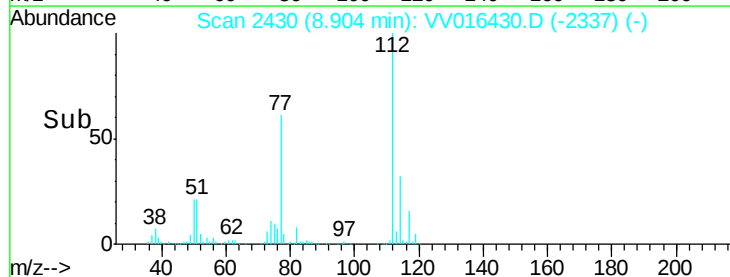
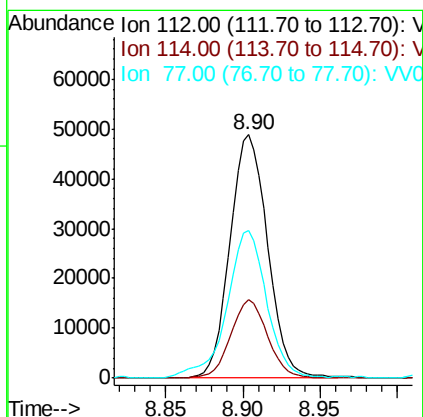
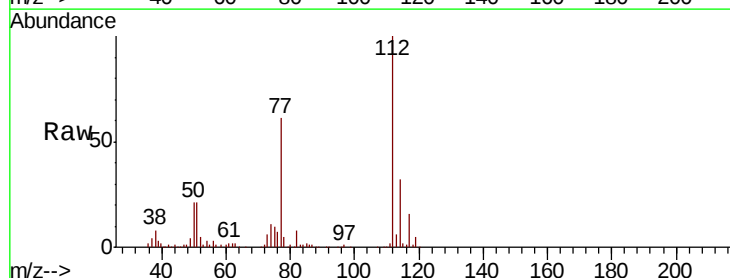
Instrument :
MSVOA_V
ClientSampleId :

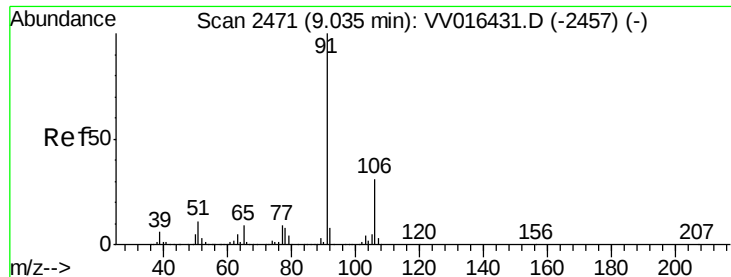
Tot Ion:107 Resp: 30439
Ion Ratio Lower Upper
107 100
109 94.9 65.9 122.3
188 4.6 2.8 4.2#



#51
Chlorobenzene
Concen: 11.005 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV016430.D
Acq: 02 Jun 2020 16:18

Tgt Ion:112 Resp: 82716
Ion Ratio Lower Upper
112 100
114 32.2 22.7 42.1
77 60.8 47.4 71.2





#52

Ethylbenzene

Concen: 10.155 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

Instrument :

MSVOA_V

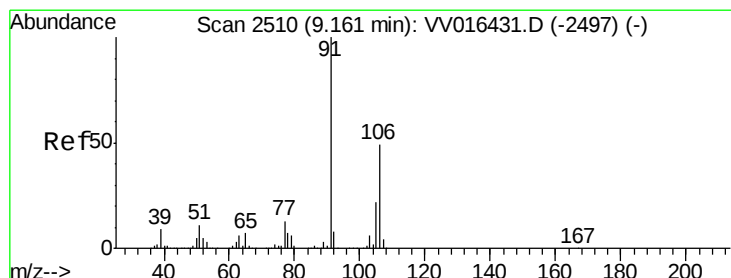
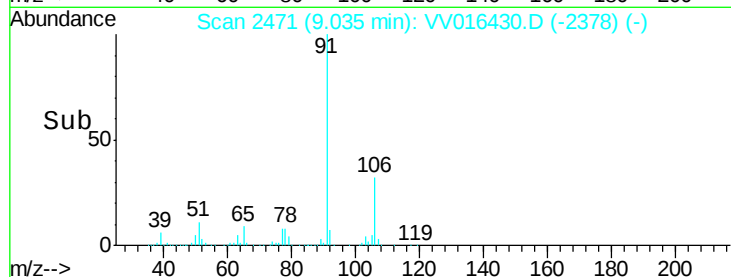
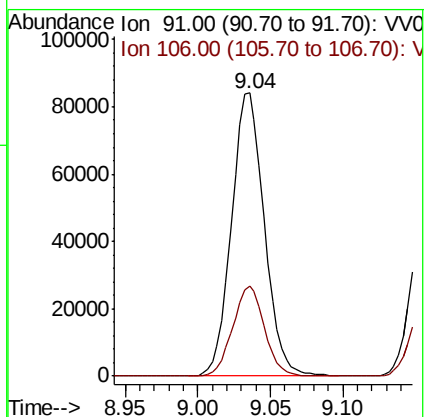
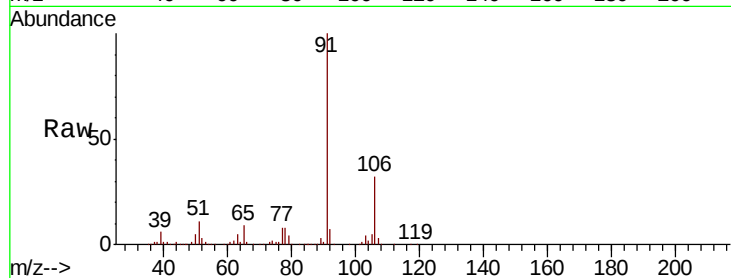
ClientSampleId :

Tot Ion: 91 Resp: 131505

Ion Ratio Lower Upper

91 100

106 32.0 21.8 40.4



#53

m,p-Xylene

Concen: 10.392 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016430.D

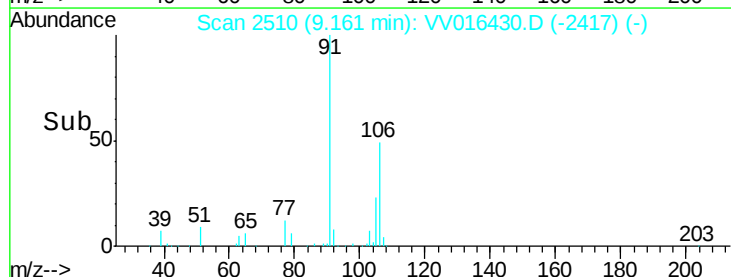
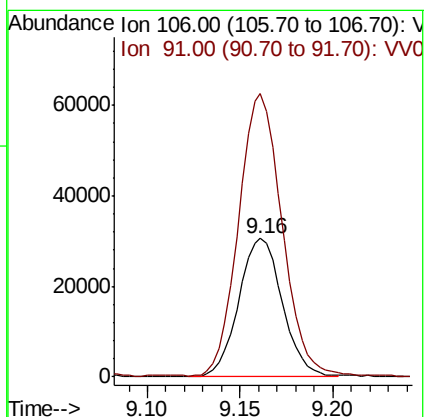
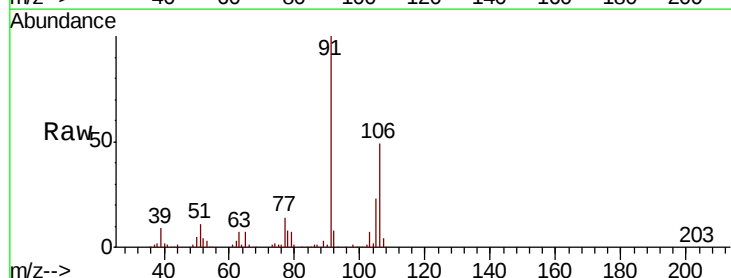
Acq: 02 Jun 2020 16:18

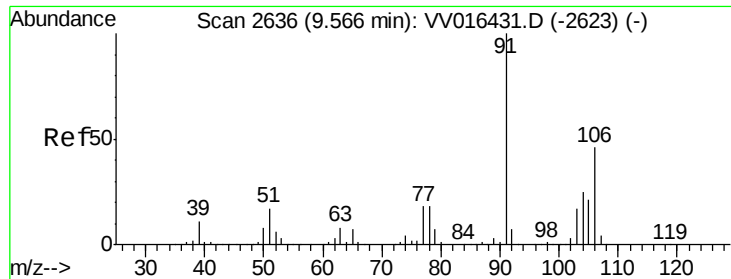
Tgt Ion: 106 Resp: 50230

Ion Ratio Lower Upper

106 100

91 204.5 142.5 264.6





#54

o-xylene

Concen: 10.213 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

Instrument :

MSVOA_V

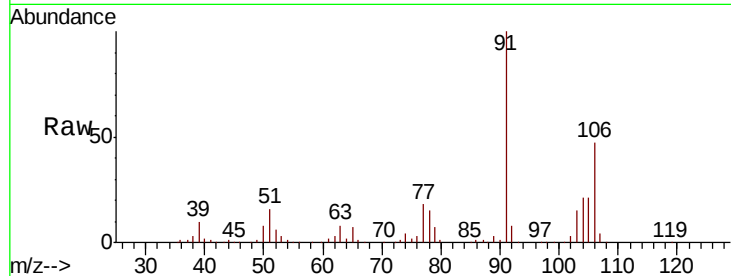
ClientSampleId :

Tot Ion:106 Resp: 48073

Ion Ratio Lower Upper

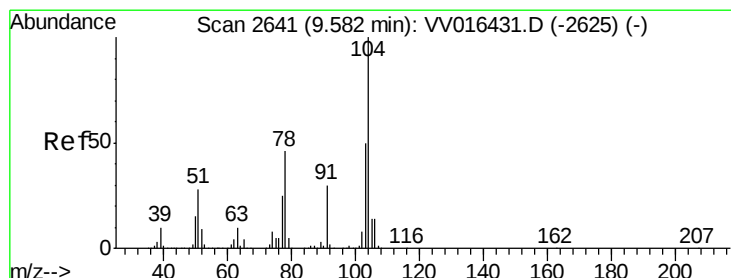
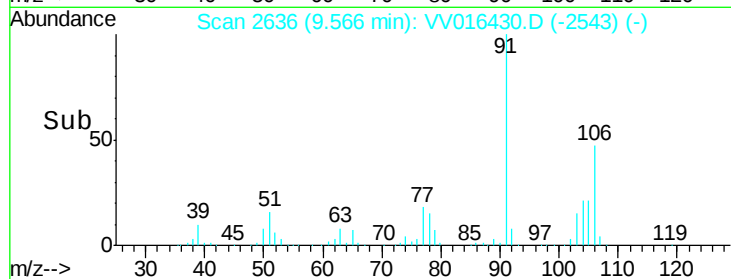
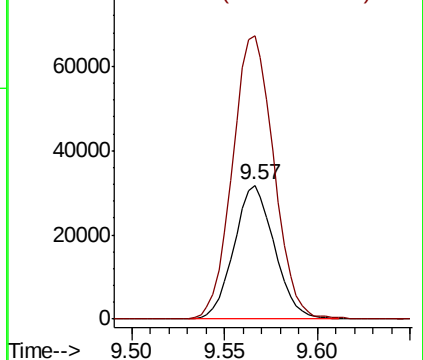
106 100

91 211.5 152.5 283.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 10.370 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV016430.D

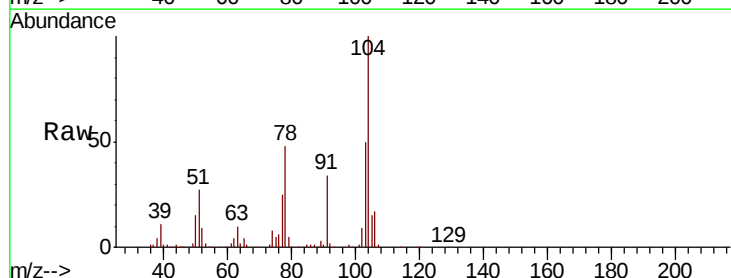
Acq: 02 Jun 2020 16:18

Tgt Ion:104 Resp: 83814

Ion Ratio Lower Upper

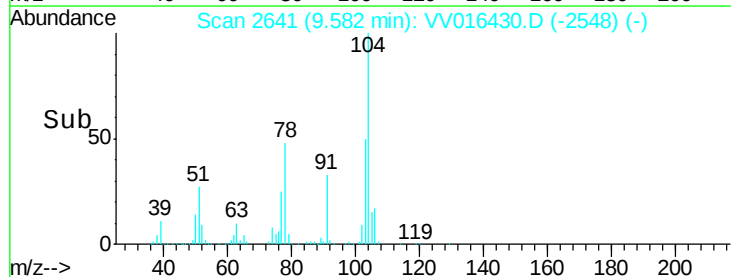
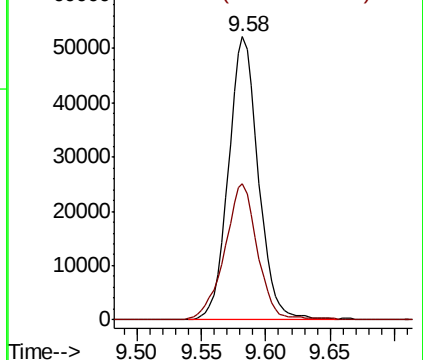
104 100

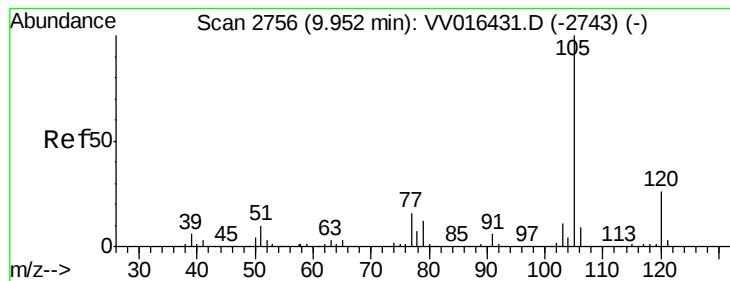
78 48.2 31.9 59.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 9.897 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

Instrument :
MSVOA_V
ClientSampled :

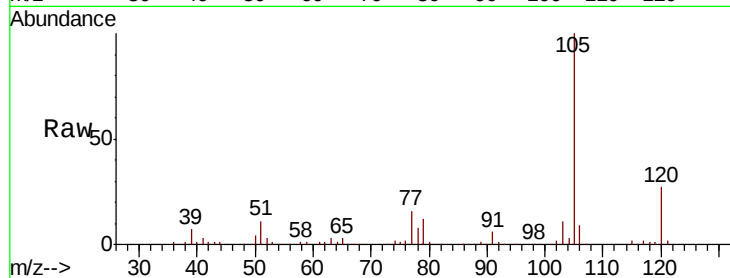
Tot Ion:105 Resp: 122970

Ion Ratio Lower Upper

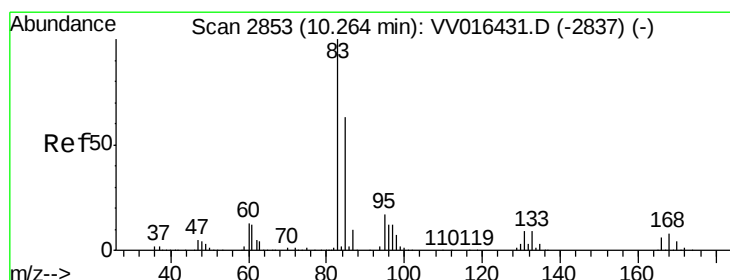
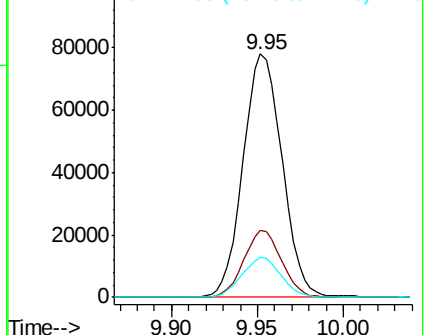
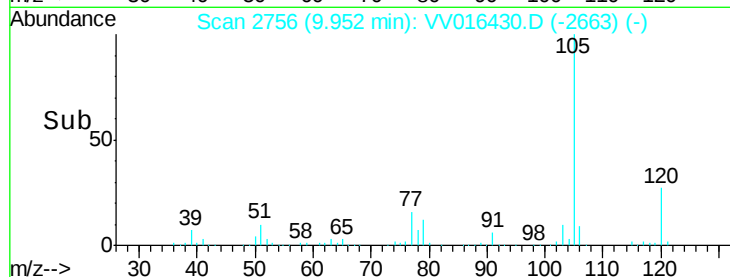
105 100

120 26.5 21.0 31.6

77 16.4 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: 11.271 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

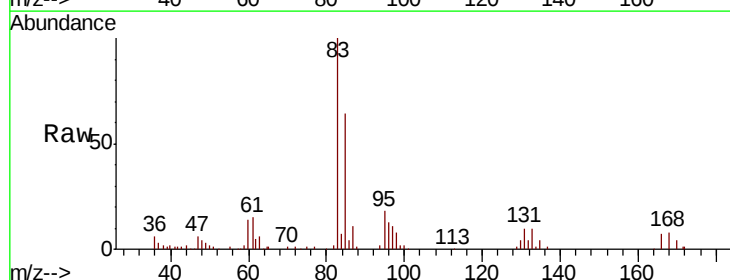
Tgt Ion: 83 Resp: 47454

Ion Ratio Lower Upper

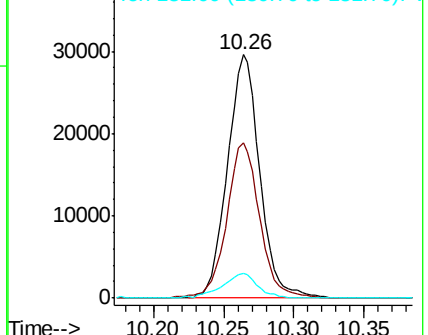
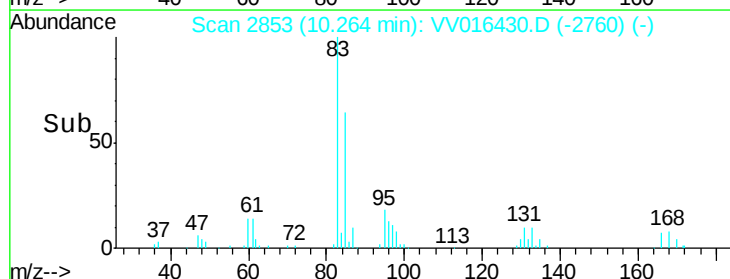
83 100

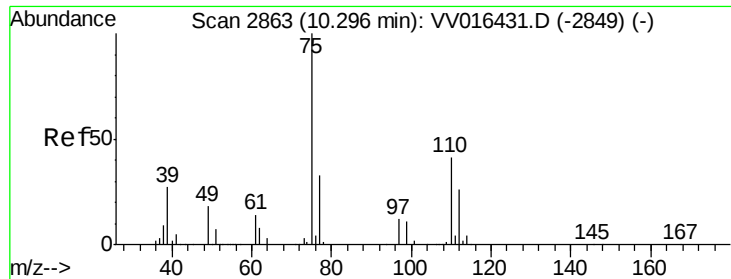
85 63.7 44.0 81.6

131 10.1 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: 11.233 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

Instrument :

MSVOA_V

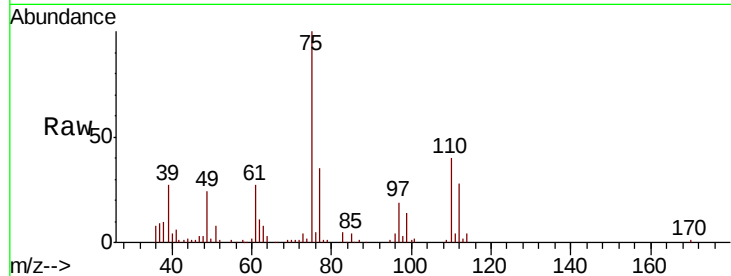
ClientSampleId :

Tot Ion: 75 Resp: 38686

Ion Ratio Lower Upper

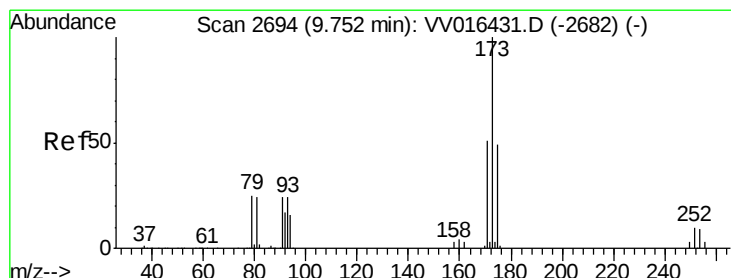
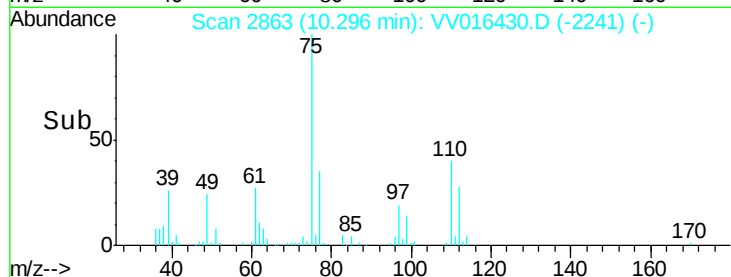
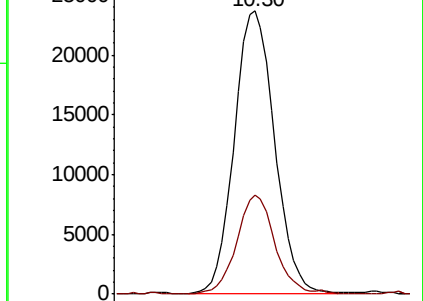
75 100

77 32.9 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VV016431.D (-2849) (-)

Ion 77.00 (76.70 to 77.70): VV016431.D (-2849) (-)



#61

Bromoform

Concen: 8.291 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

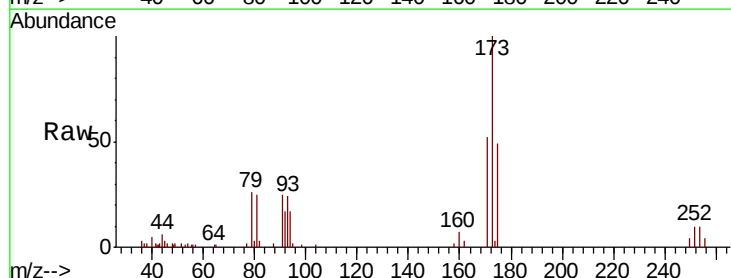
Tgt Ion: 173 Resp: 14213

Ion Ratio Lower Upper

173 100

175 48.9 38.8 58.2

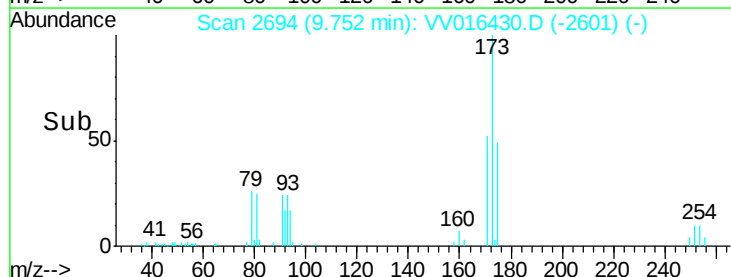
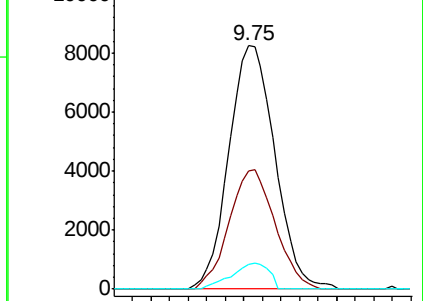
254 8.7 7.9 11.9

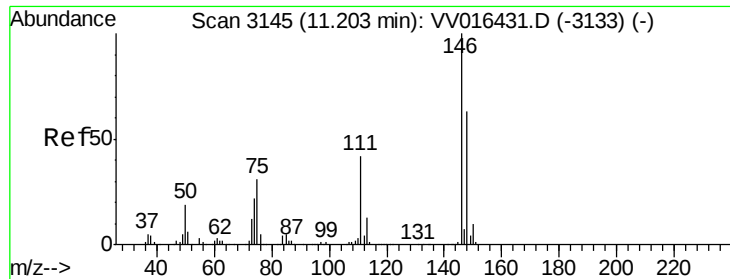


Abundance Ion 173.00 (172.70 to 173.70): VV016431.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV016431.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV016431.D (-2682) (-)





#62

1,3-Dichlorobenzene

Concen: 10.724 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

Instrument :

MSVOA_V

ClientSampled :

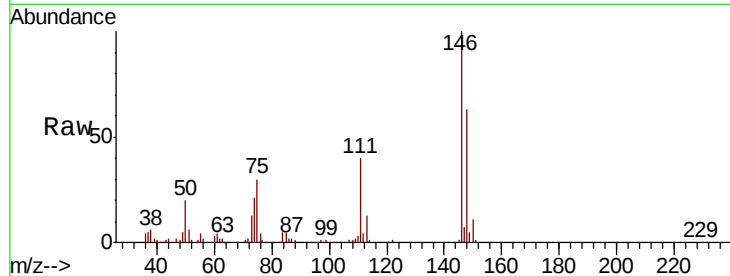
Tot Ion:146 Resp: 61809

Ion Ratio Lower Upper

146 100

111 39.9 29.8 55.3

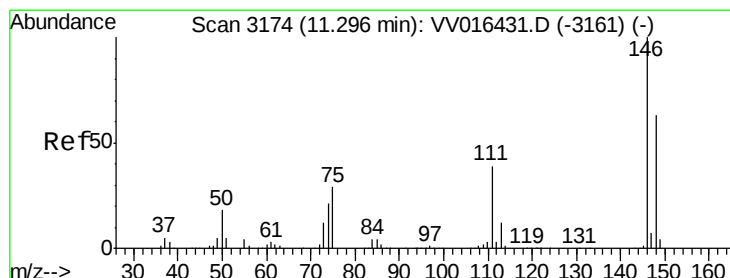
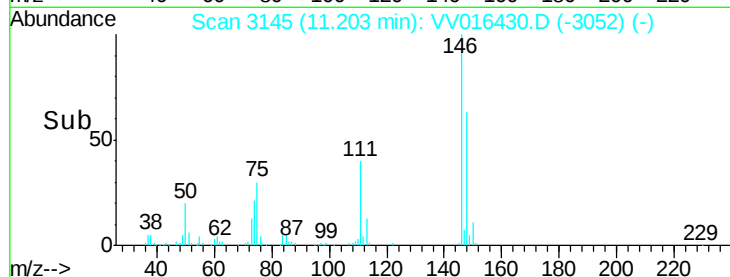
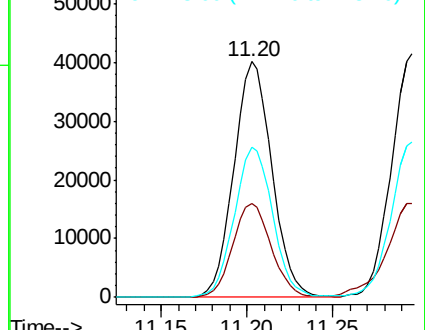
148 63.5 44.0 81.8



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: 10.927 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

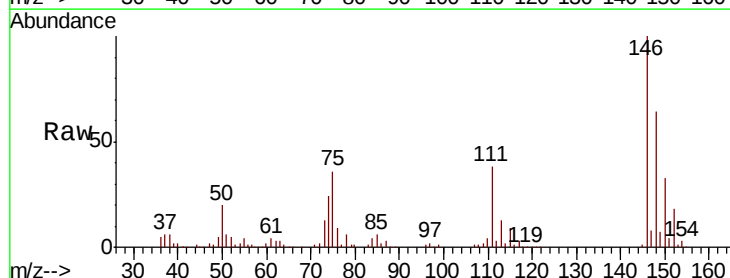
Tgt Ion:146 Resp: 64504

Ion Ratio Lower Upper

146 100

111 38.4 27.3 50.7

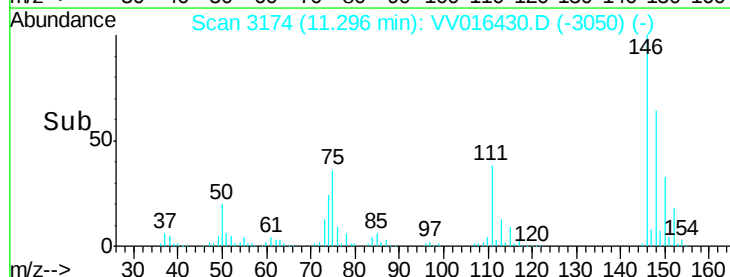
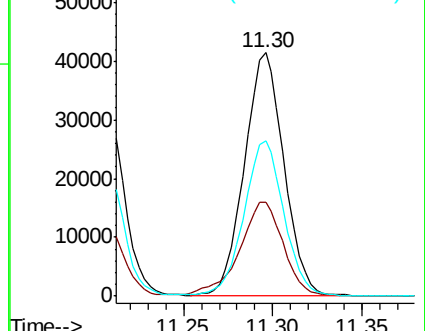
148 63.8 44.5 82.7

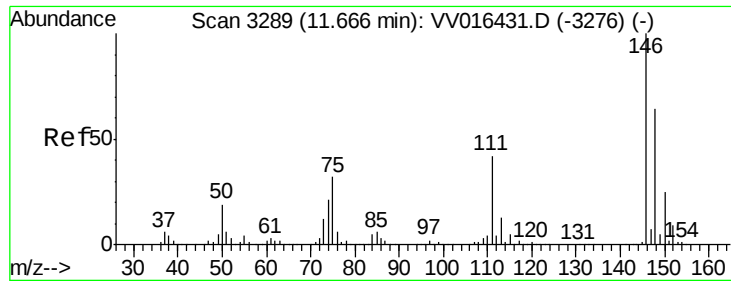


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 10.582 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

Instrument :

MSVOA_V

ClientSampled :

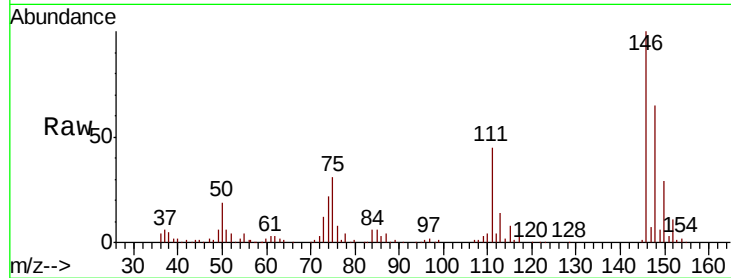
Tot Ion:146 Resp: 61693

Ion Ratio Lower Upper

146 100

111 44.9 33.6 50.4

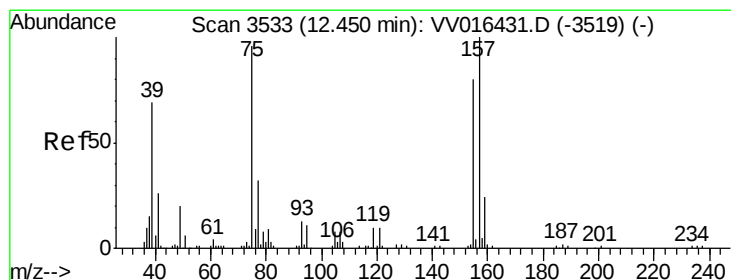
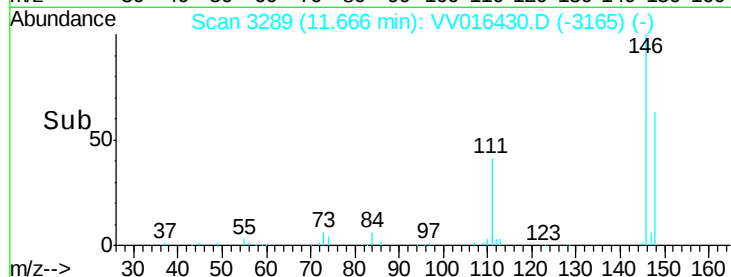
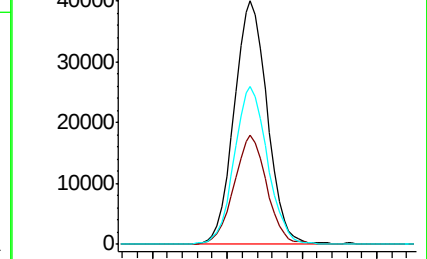
148 64.9 51.5 77.3



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: 10.341 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

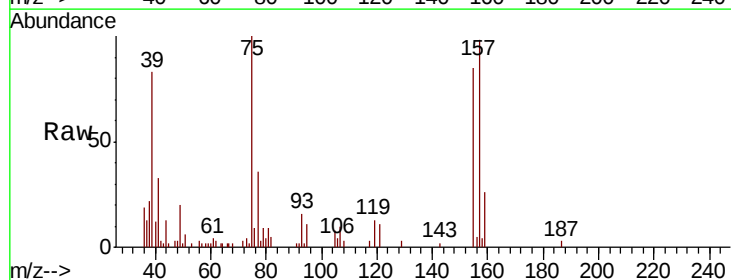
Tgt Ion: 75 Resp: 9220

Ion Ratio Lower Upper

75 100

155 85.1 66.2 99.2

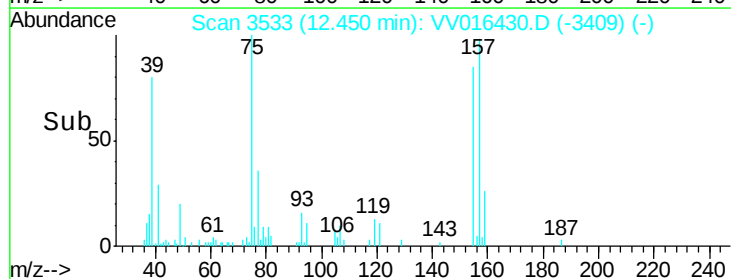
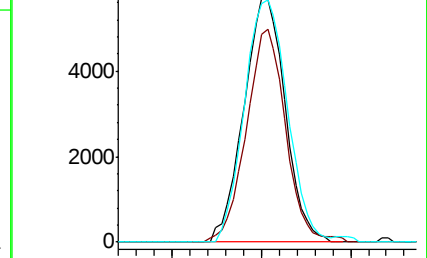
157 98.2 83.0 124.4

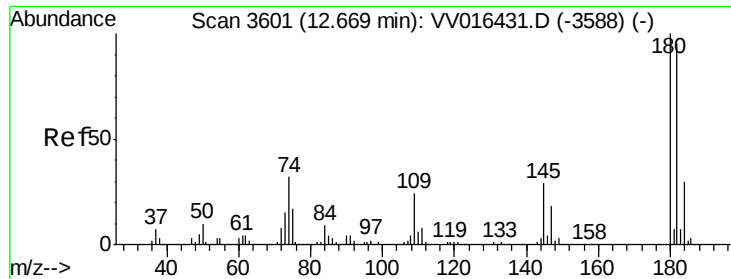


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

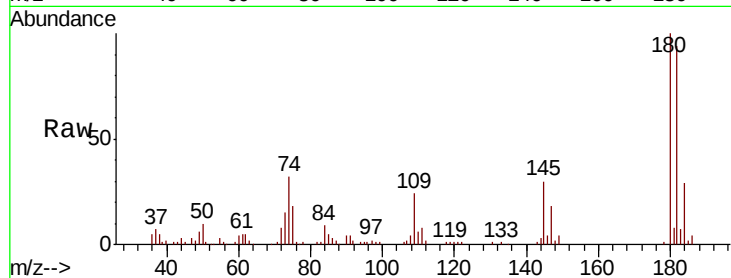




#67
 1,3,5-Trichlorobenzene
 Concen: 9.940 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016430.D
 Acq: 02 Jun 2020 16:18

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.8	113.8
184	30.6	24.4	36.6
145	31.5	24.2	36.2

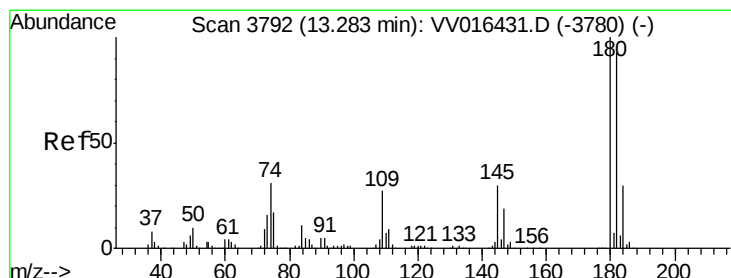
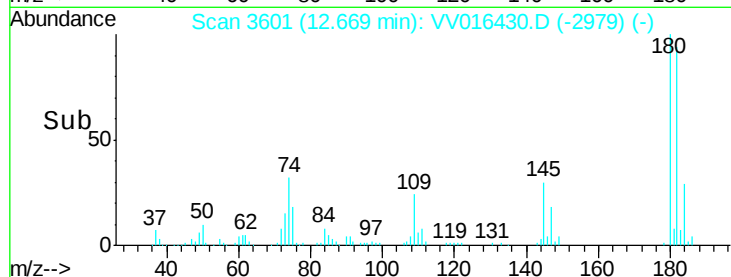
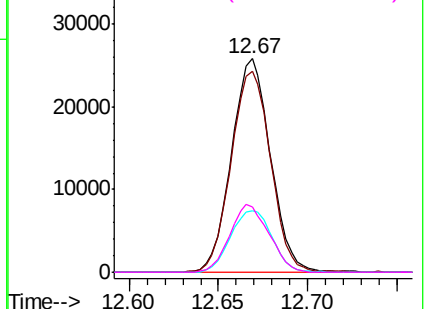


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

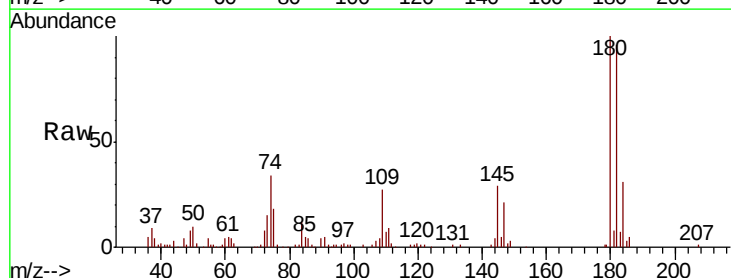
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 9.832 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016430.D
 Acq: 02 Jun 2020 16:18

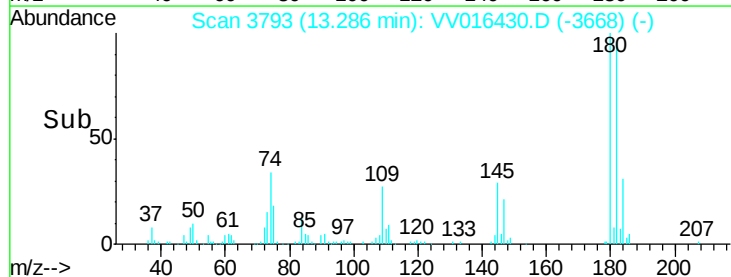
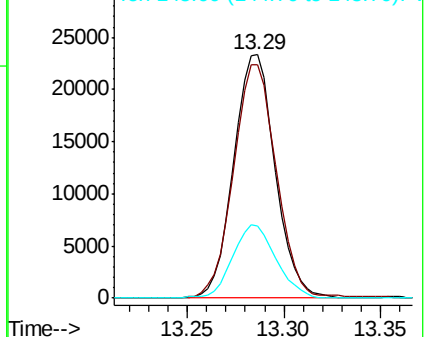
Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.0	74.6	111.8
145	31.3	24.5	36.7

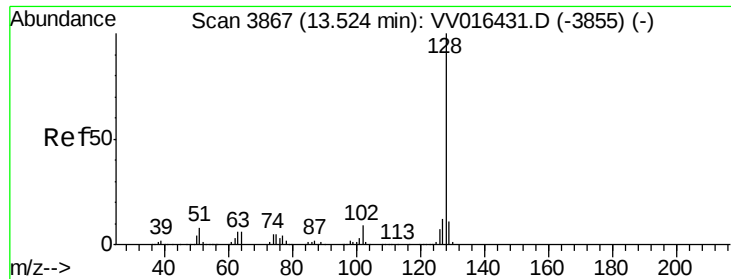


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 10.699 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

Instrument :

MSVOA_V

ClientSampleId :

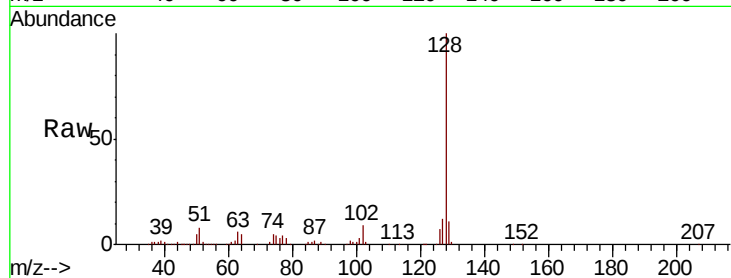
Tot Ion:128 Resp: 110372

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

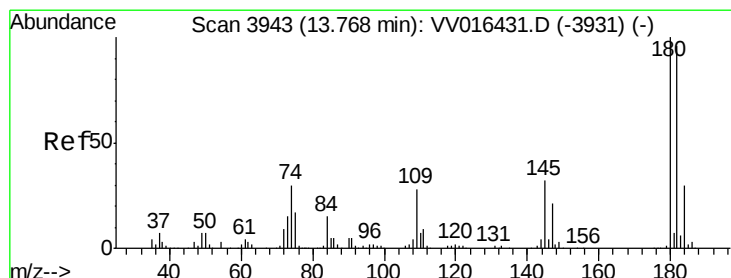
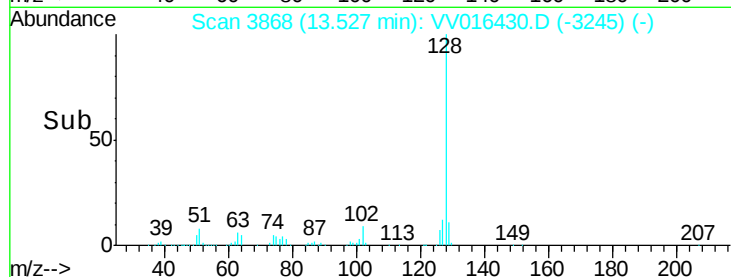
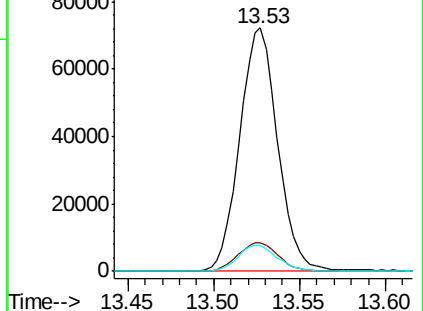
129 11.2 8.7 13.1



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: 9.687 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016430.D

Acq: 02 Jun 2020 16:18

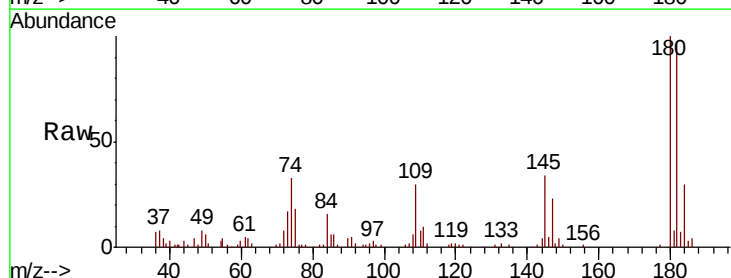
Tgt Ion:180 Resp: 34343

Ion Ratio Lower Upper

180 100

182 94.8 76.0 114.0

145 34.8 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

