

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060320\
 Data File : VV016431.D
 Acq On : 02 Jun 2020 16:40
 Operator : SY/MD
 Sample : VSTD05064
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 03 00:18:04 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	400296	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	381377	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	199432	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	141465	48.69	ug/L	0.00
7) Chloroethane-d5	1.58	69	102589	41.28	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	241909	44.90	ug/L	0.00
21) 2-Butanone-d5	3.92	46	175448	101.34	ug/L	0.00
24) Chloroform-d	4.38	84	259546	46.82	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	175510	46.63	ug/L	0.00
32) Benzene-d6	5.08	84	518549	49.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	158818	48.03	ug/L	0.00
41) Toluene-d8	7.34	98	469308	48.39	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	78838	48.17	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	136770	122.01	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	215052	51.07	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	181471	46.37	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	141513	45.582	ug/L	100
3) Chloromethane	1.25	50	140615	43.974	ug/L	100
5) Vinyl chloride	1.32	62	134907	43.648	ug/L	100
6) Bromomethane	1.53	94	68893	37.891	ug/L	100
8) Chloroethane	1.60	64	78002	39.336	ug/L	100
9) Trichlorofluoromethane	1.77	101	193458	46.144	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	100201	40.127	ug/L	100
12) 1,1-Dichloroethene	2.14	96	98809	42.523	ug/L	100
13) Acetone	2.20	43	138686	82.755	ug/L	100
14) Carbon disulfide	2.31	76	337270	49.256	ug/L	100
15) Methyl Acetate	2.45	43	135369	47.594	ug/L	100
16) Methylene chloride	2.53	84	131653	43.874	ug/L	100
17) trans-1,2-Dichloroethene	2.78	96	122862	47.031	ug/L	100
18) Methyl tert-butyl Ether	2.79	73	380188	43.451	ug/L	100
19) 1,1-Dichloroethane	3.21	63	225612	43.129	ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	133530	46.443	ug/L	100
22) 2-Butanone	4.00	43	184965	97.487	ug/L	100
23) Bromochloromethane	4.28	128	69010	45.727	ug/L	100
25) Chloroform	4.41	83	239952	43.919	ug/L	100
27) 1,2-Dichloroethane	5.16	62	195224	44.420	ug/L	100
29) Cyclohexane	4.71	56	200978	46.248	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	205457	43.533	ug/L	100
31) Carbon tetrachloride	4.86	117	173927	43.675	ug/L	100
33) Benzene	5.13	78	502129	46.382	ug/L	100
34) Trichloroethene	5.94	95	128709	46.097	ug/L	100
35) Methylcyclohexane	6.16	83	188506	43.865	ug/L	100
37) 1,2-Dichloropropane	6.20	63	131187	45.293	ug/L	100
38) Bromodichloromethane	6.53	83	167808	43.377	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	195784	44.933	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	360759	98.178	ug/L	100

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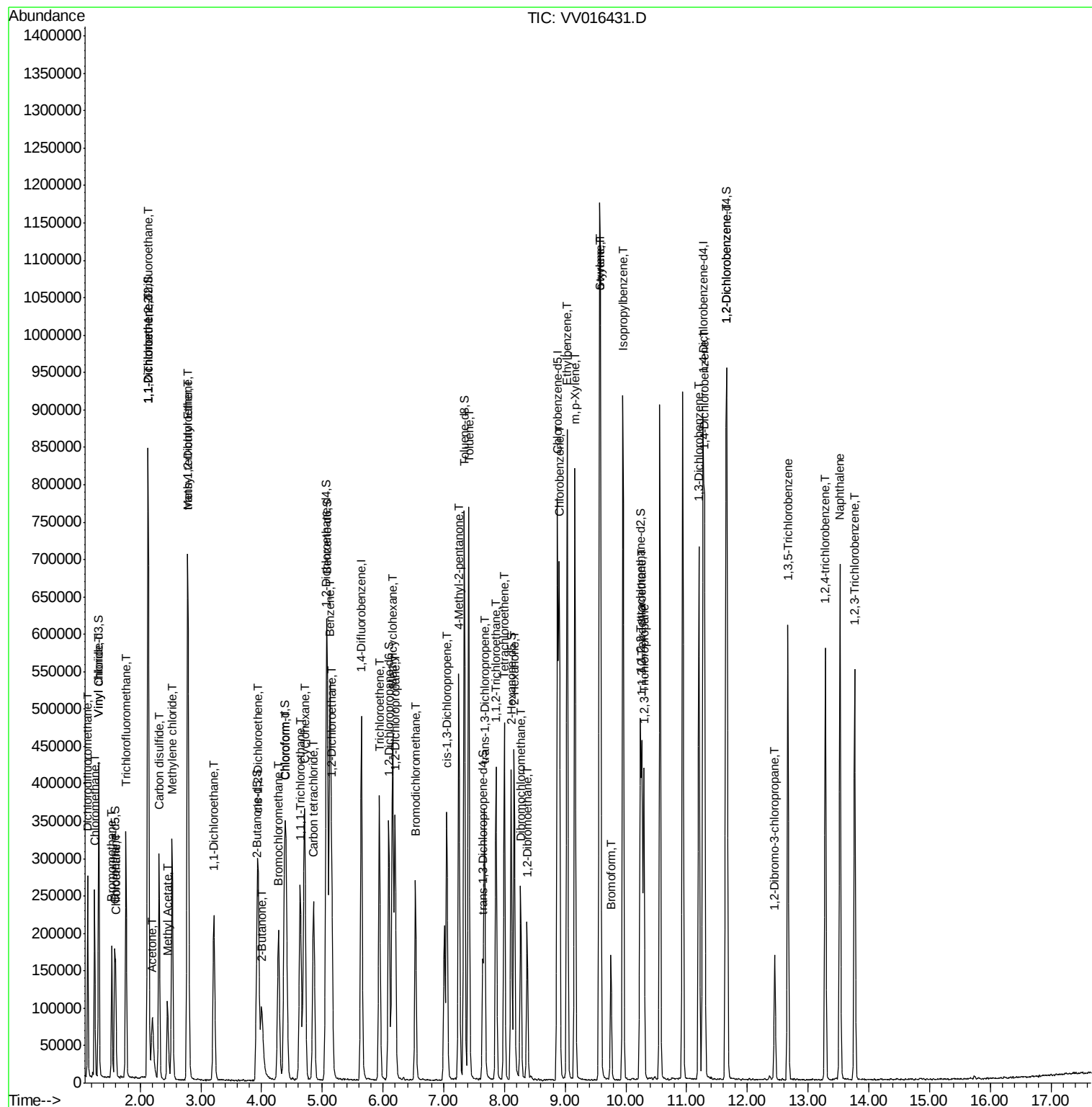
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	538778	46.526	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	190851	44.125	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	125894	46.685	ug/L	100
46) Tetrachloroethene	8.00	164	100001	46.465	ug/L	100
48) 2-Hexanone	8.16	43	276171	99.214	ug/L	100
49) Dibromochloromethane	8.27	129	123447	44.093	ug/L	100
50) 1,2-Dibromoethane	8.37	107	133121	47.526	ug/L	100
51) Chlorobenzene	8.90	112	341772	45.327	ug/L	100
52) Ethylbenzene	9.04	91	582337	44.824	ug/L	100
53) m,p-Xylene	9.16	106	222268	45.840	ug/L	100
54) o-xylene	9.57	106	215601	45.656	ug/L	100
55) Styrene	9.58	104	382790	47.208	ug/L	100
56) Isopropylbenzene	9.95	105	557420	44.718	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	200234	47.407	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	156013	45.155	ug/L	100
61) Bromoform	9.75	173	70886	39.085	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	267421	43.854	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	274846	44.009	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	267026	43.294	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	39410	41.778	ug/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	178779	42.754	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	164398	43.793	ug/L	100
69) Naphthalene	13.52	128	511546	46.869	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	156010	41.595	ug/L	100

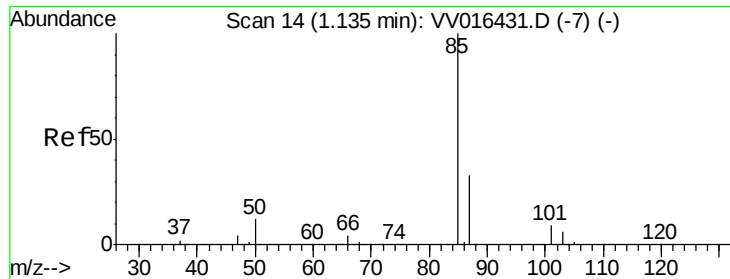
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 45.582 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV016431.D

Acq: 02 Jun 2020 16:40

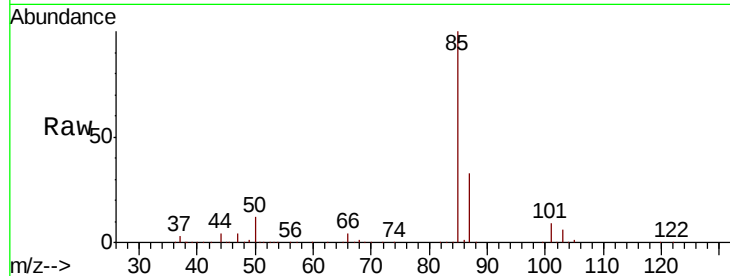
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 141513

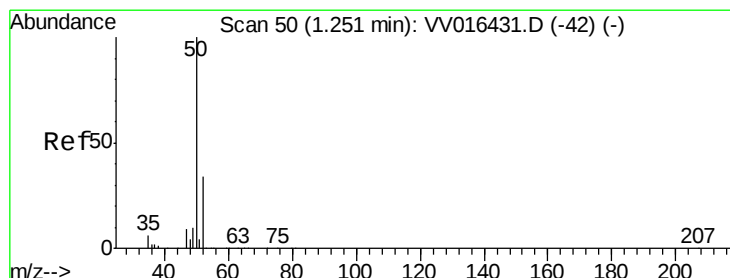
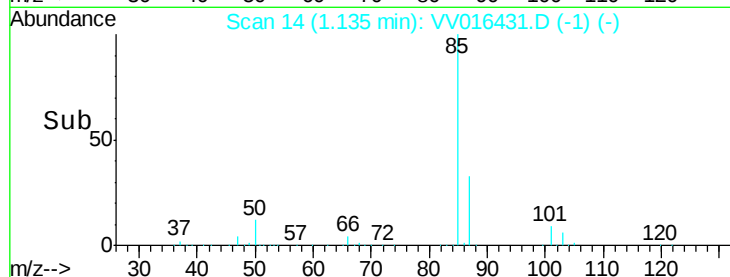
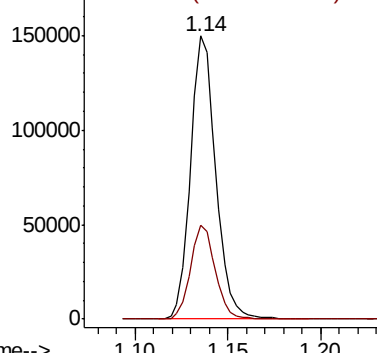
Ion Ratio Lower Upper

85 100

87 32.7 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: 43.974 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016431.D

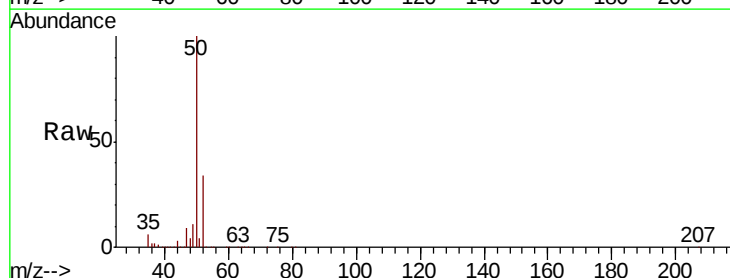
Acq: 02 Jun 2020 16:40

Tgt Ion: 50 Resp: 140615

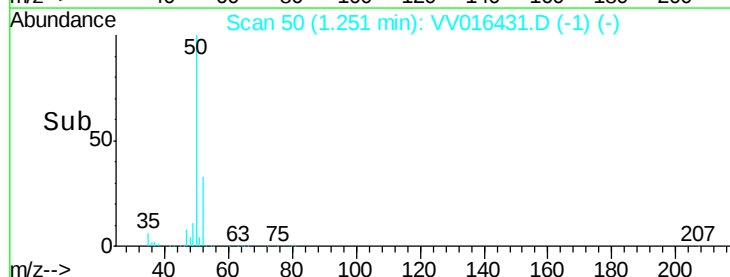
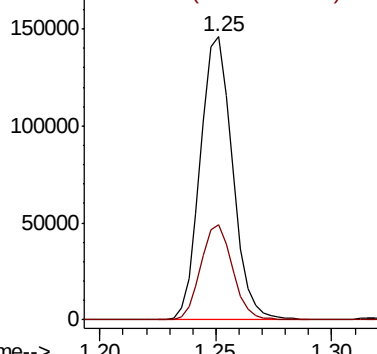
Ion Ratio Lower Upper

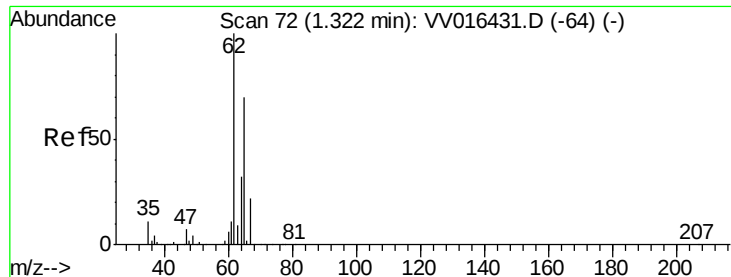
50 100

52 33.6 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: 43.648 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016431.D

Acq: 02 Jun 2020 16:40

Instrument :

MSVOA_V

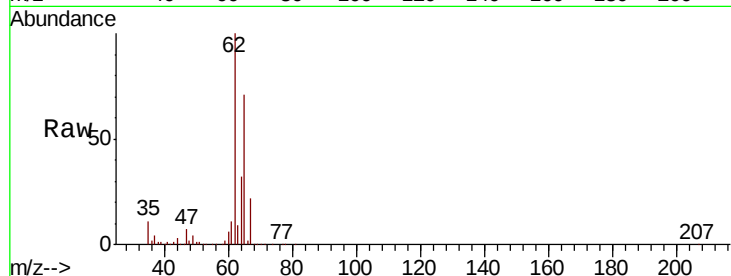
ClientSampled :

Tot Ion: 62 Resp: 134907

Ion Ratio Lower Upper

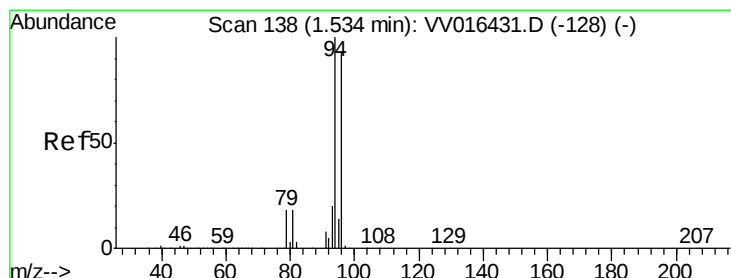
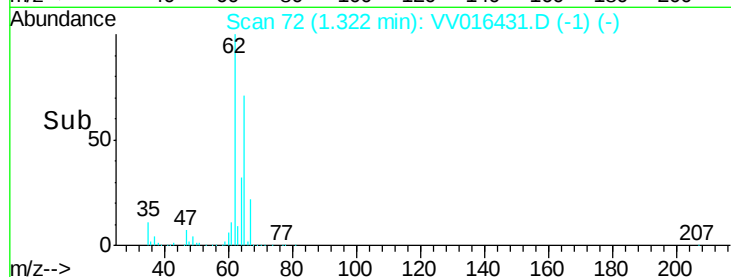
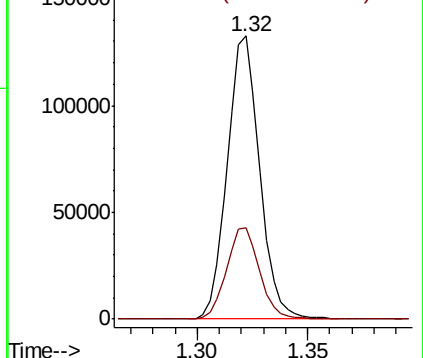
62 100

64 32.4 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: 37.891 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV016431.D

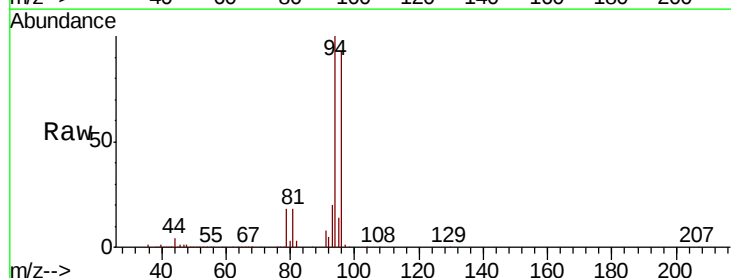
Acq: 02 Jun 2020 16:40

Tgt Ion: 94 Resp: 68893

Ion Ratio Lower Upper

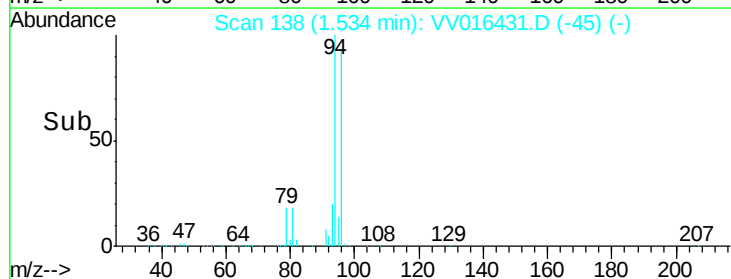
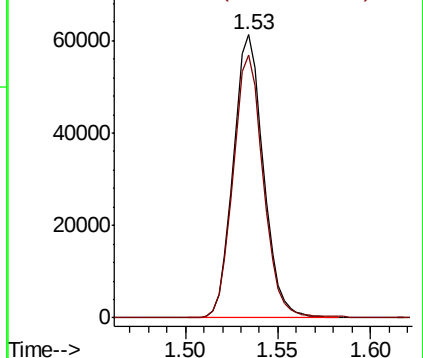
94 100

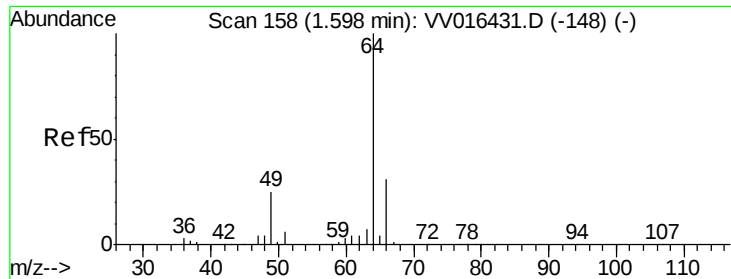
96 93.0 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 39.336 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV016431.D

Acq: 02 Jun 2020 16:40

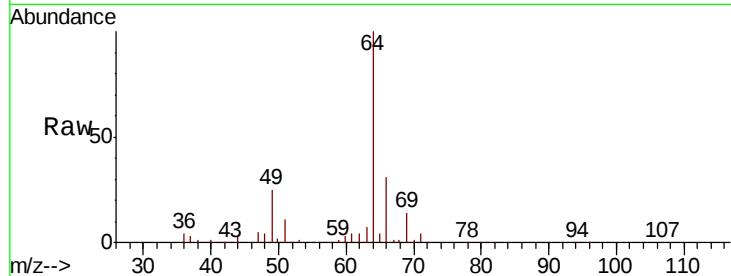
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 78002

Ion Ratio Lower Upper

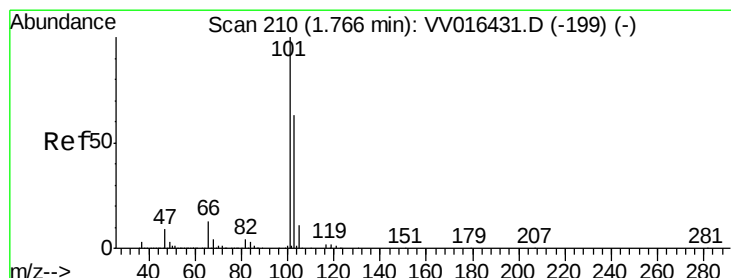
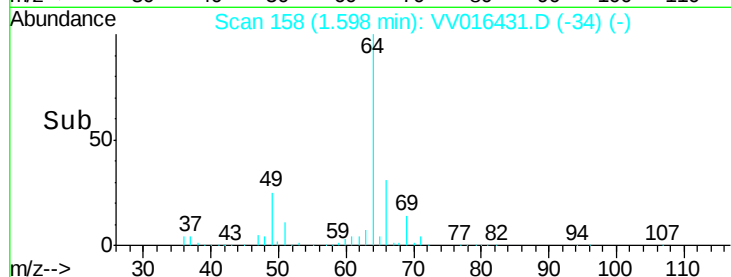
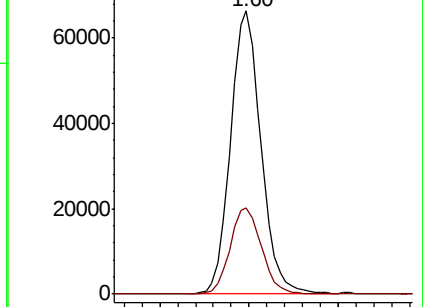
64 100

66 30.6 21.4 39.8



Abundance Ion 64.00 (63.70 to 64.70): VV016431.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV016431.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 46.144 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV016431.D

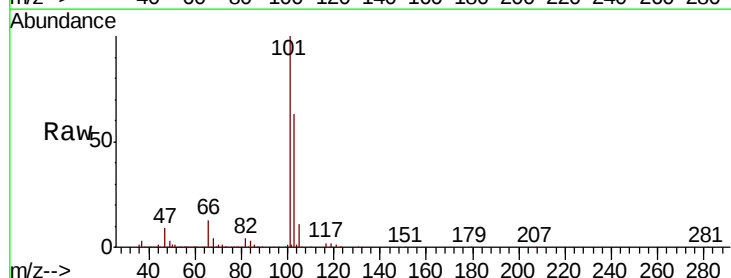
Acq: 02 Jun 2020 16:40

Tgt Ion: 101 Resp: 193458

Ion Ratio Lower Upper

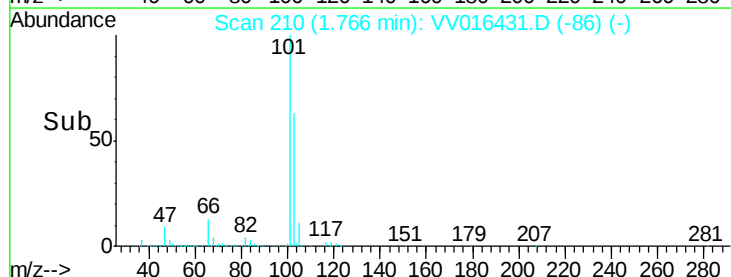
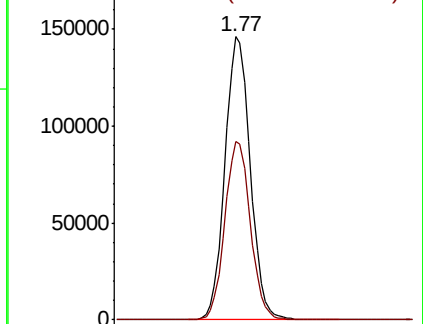
101 100

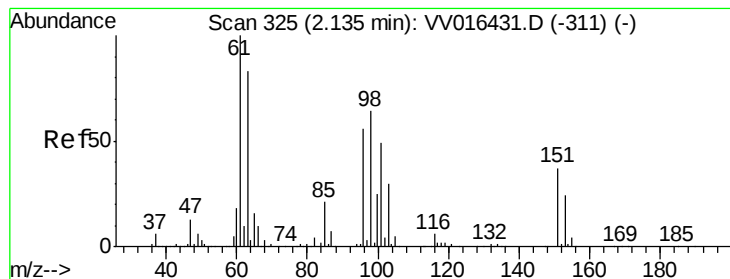
103 63.6 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VV016431.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV016431.D (-199) (-)





#10

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

Concen: 40.127 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016431.D

Acq: 02 Jun 2020 16:40

Instrument :

MSVOA_V

ClientSampleId :

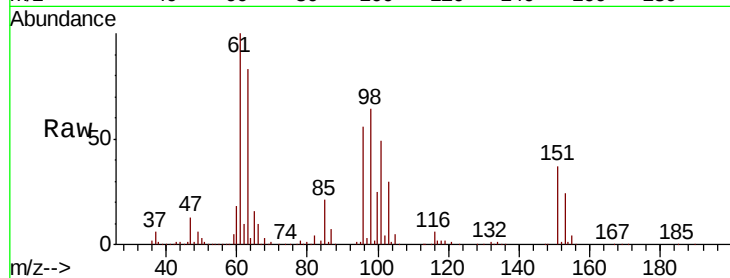
Tot Ion:101 Resp: 100201

Ion Ratio Lower Upper

101 100

85 44.5 35.6 53.4

151 77.3 61.8 92.8



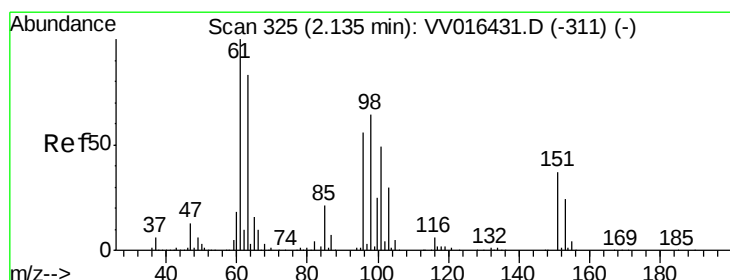
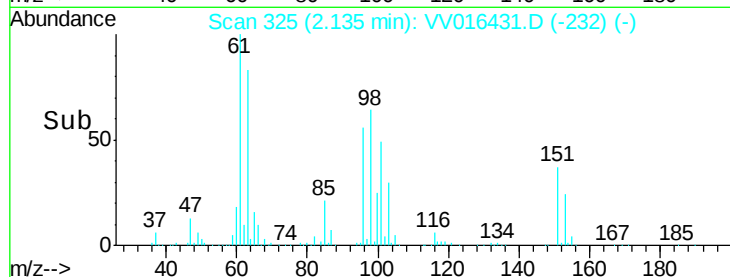
Abundance Ion 101.00 (100.70 to 101.70): VV016431.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV016431.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV016431.D (-311) (-)

2.14

Time-->



#12

1,1-Dichloroethene

Concen: 42.523 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016431.D

Acq: 02 Jun 2020 16:40

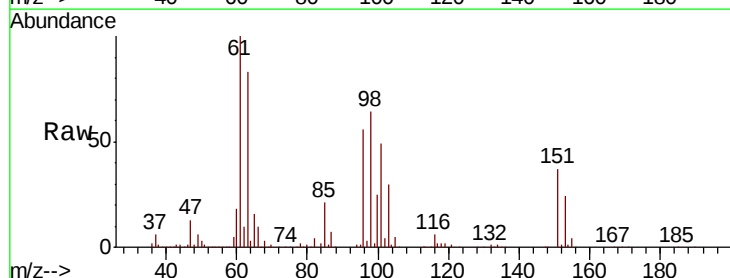
Tgt Ion: 96 Resp: 98809

Ion Ratio Lower Upper

96 100

61 179.3 125.5 233.1

63 148.5 104.0 193.1



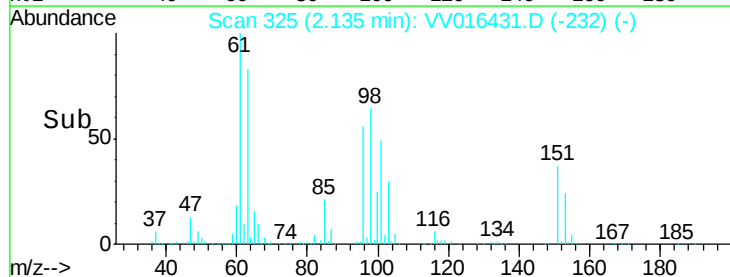
Abundance Ion 96.00 (95.70 to 96.70): VV016431.D (-311) (-)

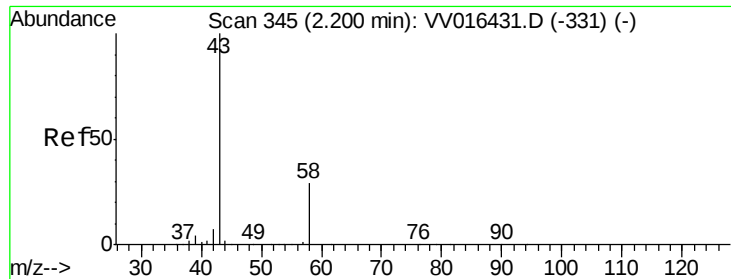
Ion 61.00 (60.70 to 61.70): VV016431.D (-311) (-)

Ion 63.00 (62.70 to 63.70): VV016431.D (-311) (-)

2.14

Time-->





#13

Acetone

Concen: 82.755 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV016431.D

Acq: 02 Jun 2020 16:40

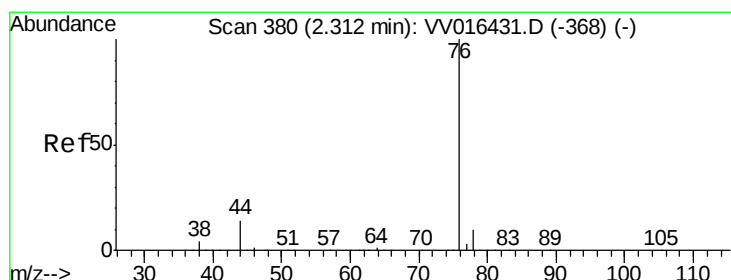
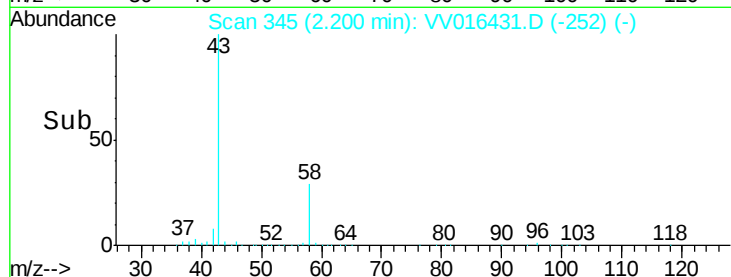
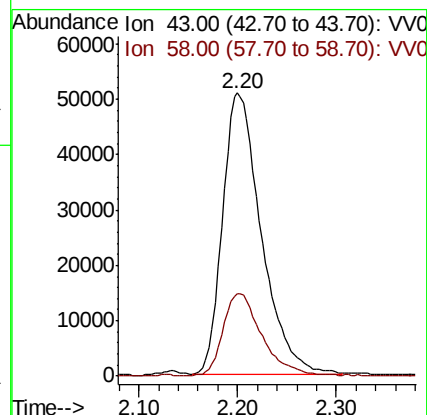
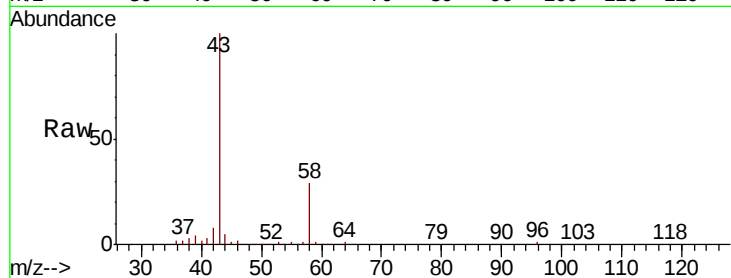
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 138686

Ion Ratio Lower Upper

43 100

58 28.6 0.0 57.2



#14

Carbon disulfide

Concen: 49.256 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV016431.D

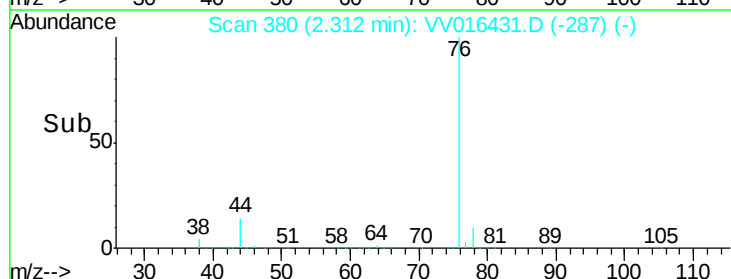
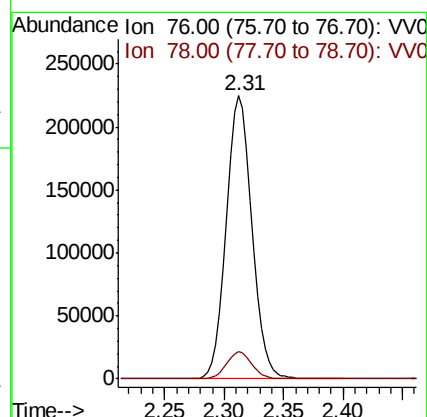
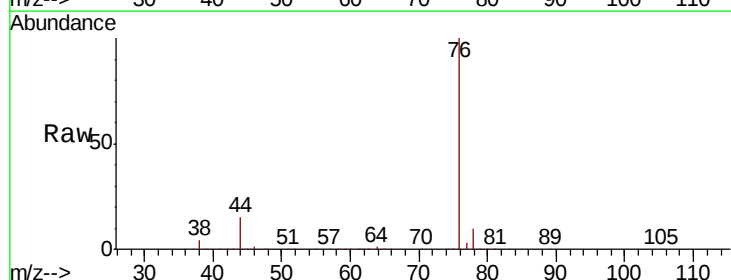
Acq: 02 Jun 2020 16:40

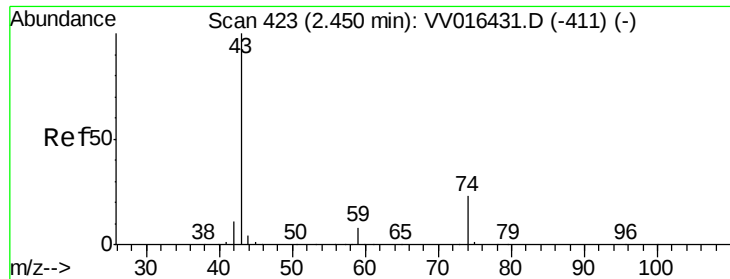
Tgt Ion: 76 Resp: 337270

Ion Ratio Lower Upper

76 100

78 9.5 7.6 11.4

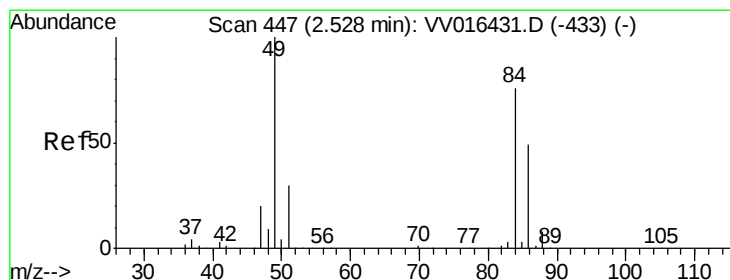
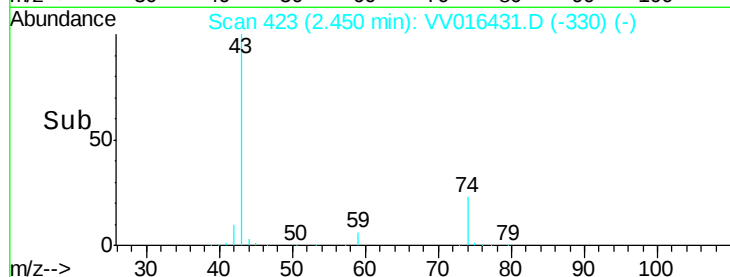
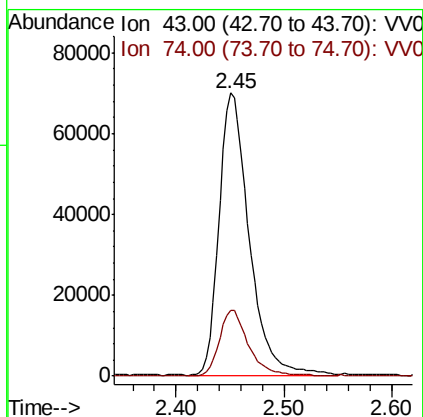
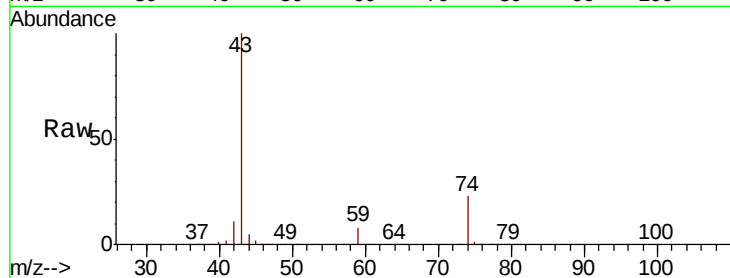




#15
Methvl Acetate
Concen: 47.594 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.00 min
Lab File: VV016431.D
Acq: 02 Jun 2020 16:40

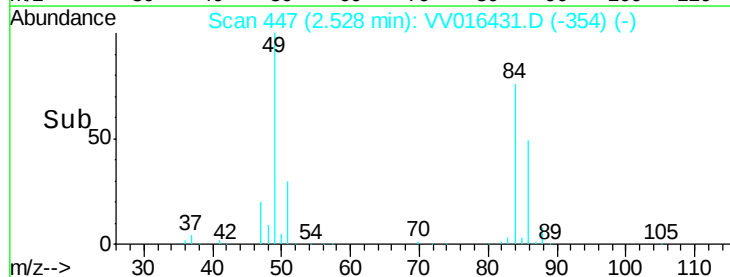
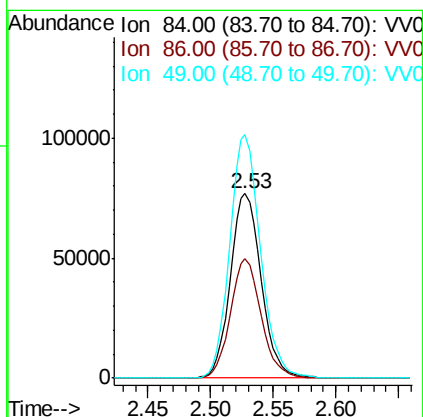
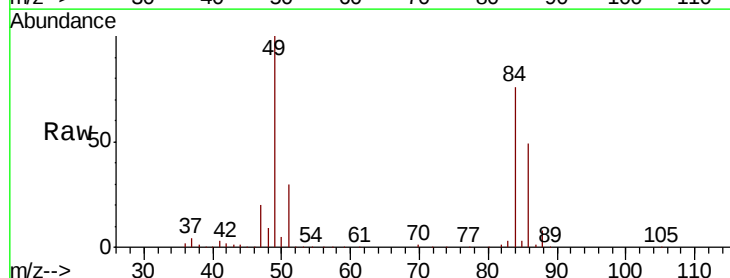
Instrument :
MSVOA_V
ClientSampleId :

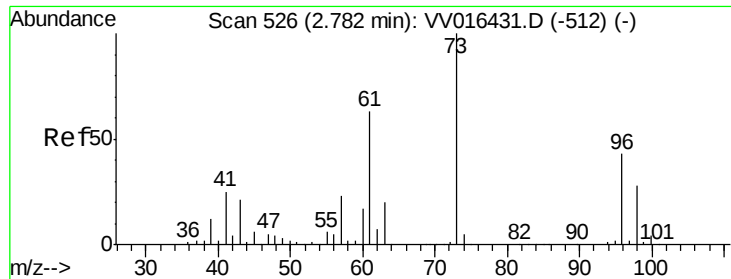
Tot Ion: 43 Resp: 135369
Ion Ratio Lower Upper
43 100
74 22.6 18.1 27.1



#16
Methylene chloride
Concen: 43.874 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV016431.D
Acq: 02 Jun 2020 16:40

Tgt Ion: 84 Resp: 131653
Ion Ratio Lower Upper
84 100
86 64.5 45.1 83.9
49 132.0 92.4 171.6





#17

trans-1,2-Dichloroethene

Concen: 47.031 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV016431.D

Acq: 02 Jun 2020 16:40

Instrument :
MSVOA_V
ClientSampled :

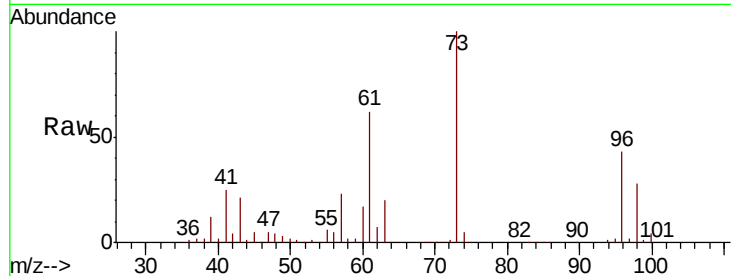
Tot Ion: 96 Resp: 122862

Ion Ratio Lower Upper

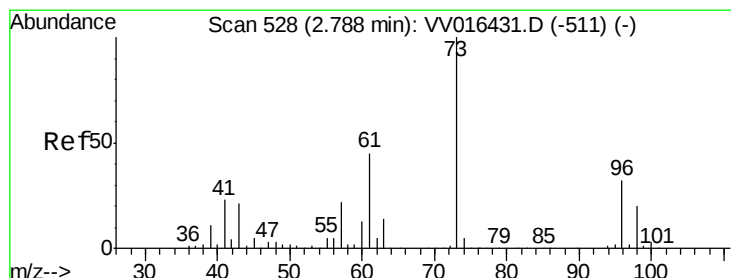
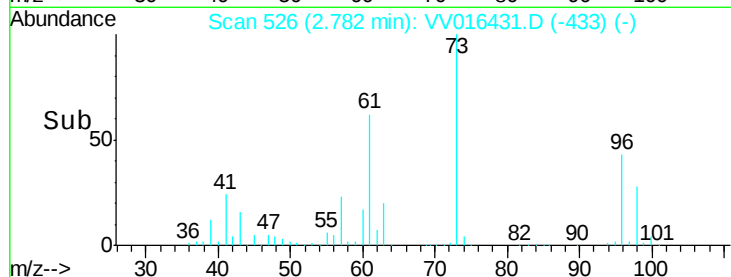
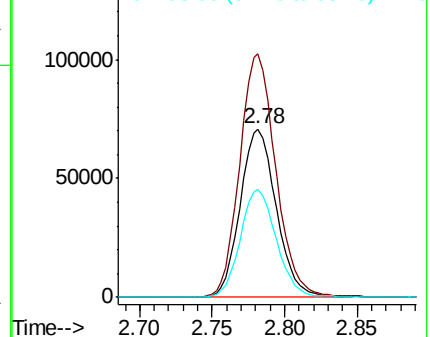
96 100

61 144.3 101.0 187.6

98 63.9 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: 43.451 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV016431.D

Acq: 02 Jun 2020 16:40

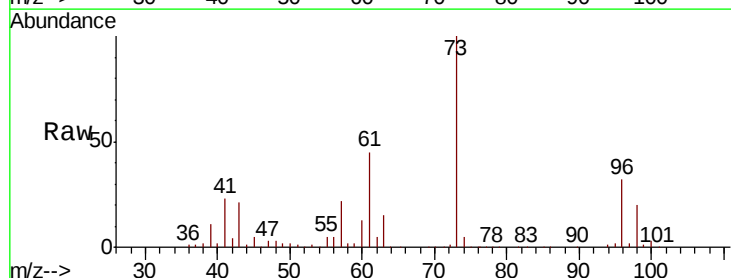
Tgt Ion: 73 Resp: 380188

Ion Ratio Lower Upper

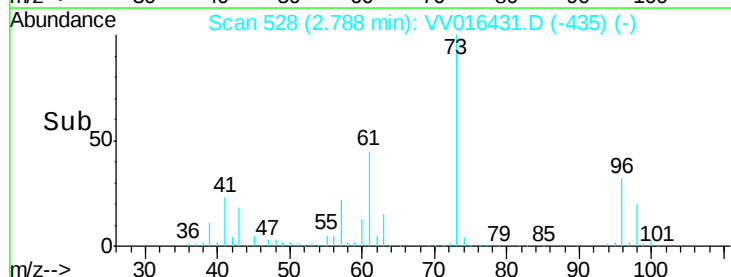
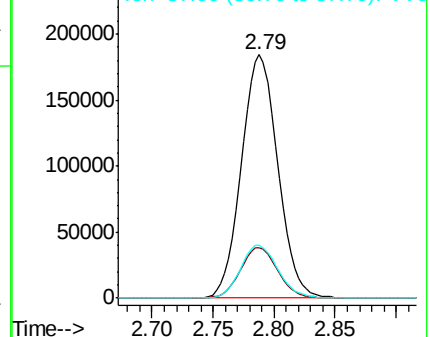
73 100

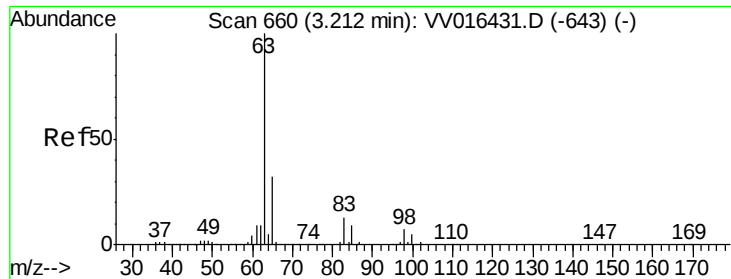
43 21.2 17.0 25.4

57 22.3 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

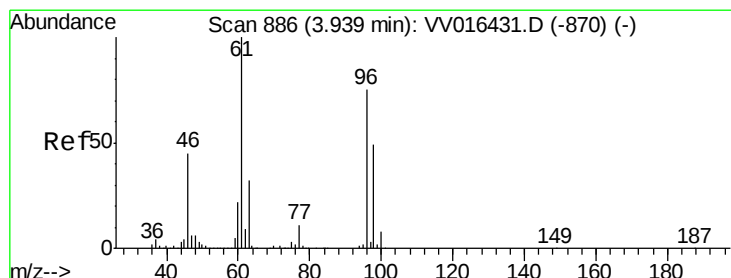
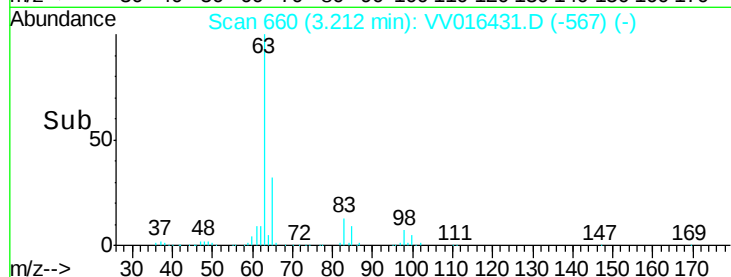
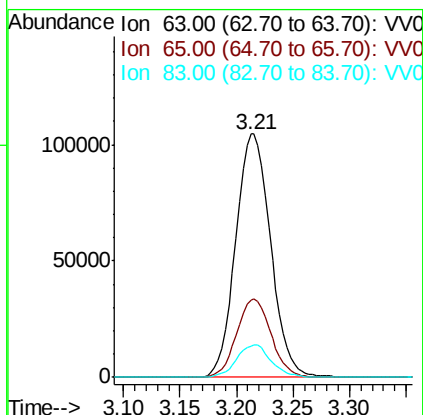
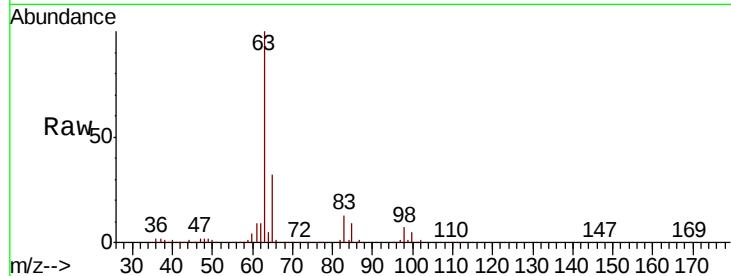




#19
 1,1-Dichloroethane
 Concen: 43.129 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV016431.D
 Acq: 02 Jun 2020 16:40

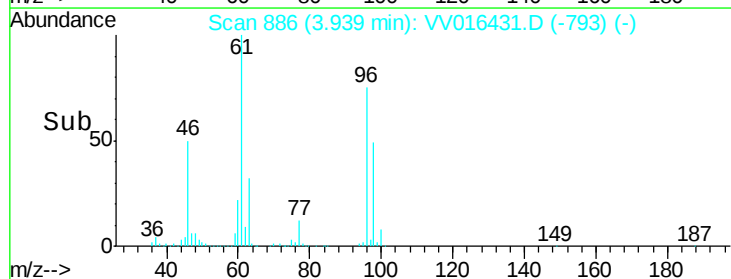
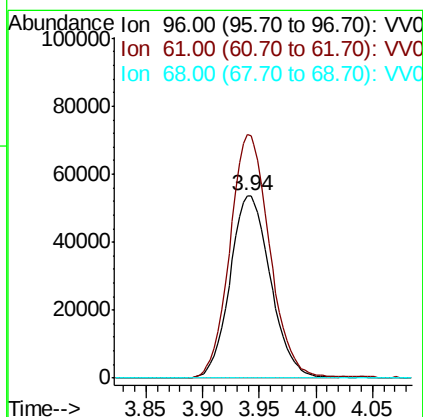
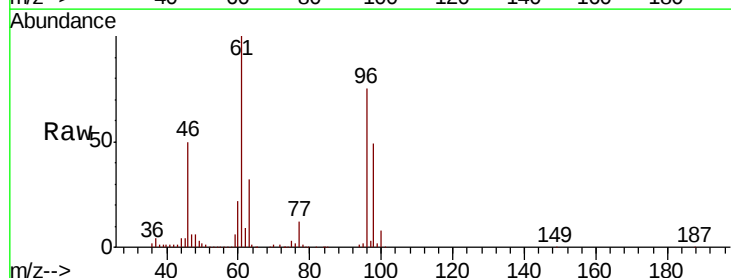
Instrument :
 MSVOA_V
 ClientSampled :

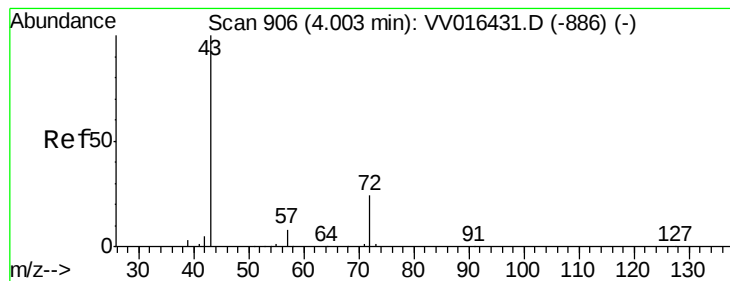
Tot Ion	63	Resp	225612
Ion Ratio	Lower	Upper	
63	100		
65	31.7	22.2	41.2
83	13.0	9.1	16.9



#20
 cis-1,2-Dichloroethene
 Concen: 46.443 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV016431.D
 Acq: 02 Jun 2020 16:40

Tgt Ion	96	Resp	133530
Ion Ratio	Lower	Upper	
96	100		
61	133.4	93.4	173.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 97.487 ug/L

RT: 4.00 min Scan# 906

Delta R.T. 0.00 min

Lab File: VV016431.D

Acq: 02 Jun 2020 16:40

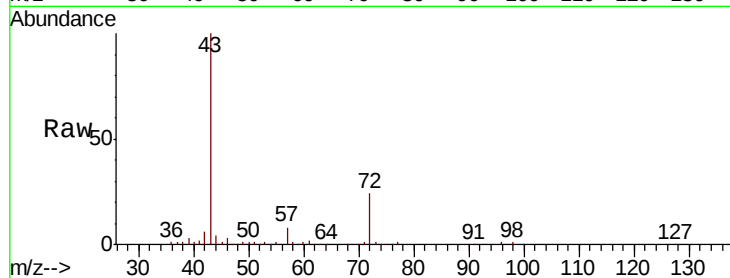
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 184965

Ion Ratio Lower Upper

43 100

72 25.3 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VV016431.D (-886) (-)

Ion 72.00 (71.70 to 72.70): VV016431.D (-886) (-)

4.00

60000

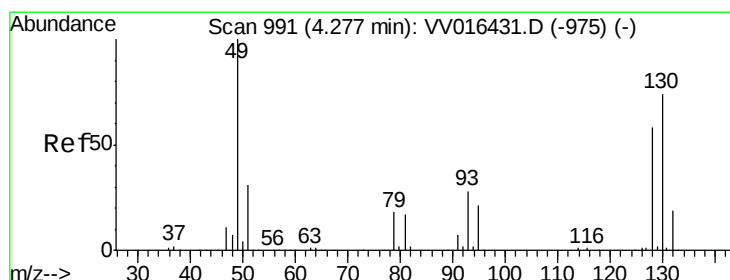
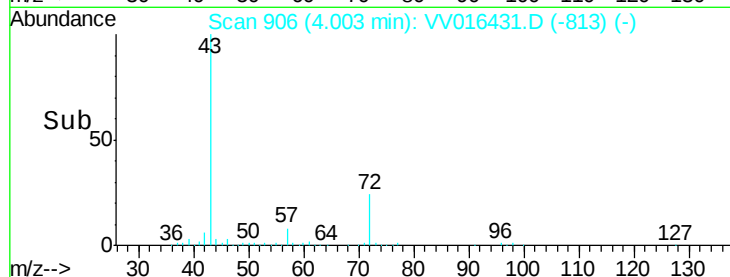
40000

20000

0

3.90 4.00 4.10

Time-->



#23

Bromochloromethane

Concen: 45.727 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV016431.D

Acq: 02 Jun 2020 16:40

Tgt Ion: 128 Resp: 69010

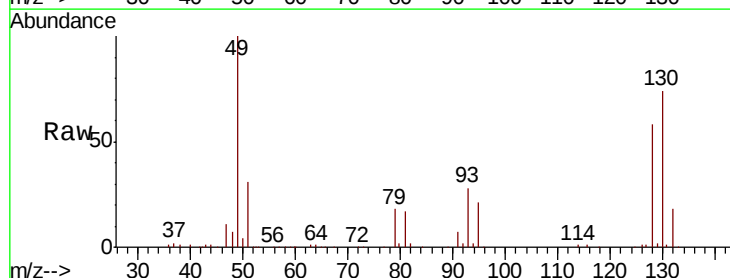
Ion Ratio Lower Upper

128 100

49 173.8 121.7 225.9

130 128.7 90.1 167.3

51 54.7 43.8 65.6



Abundance Ion 128.00 (127.70 to 128.70): VV016431.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VV016431.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VV016431.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VV016431.D (-975) (-)

4.28

60000

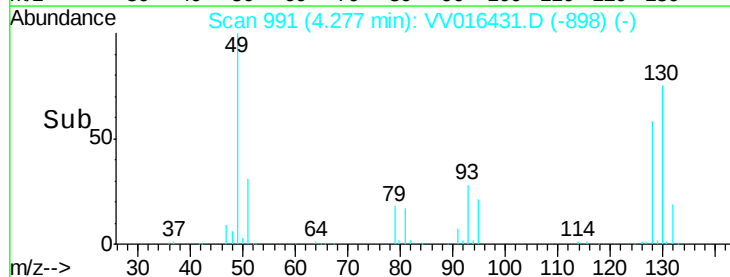
40000

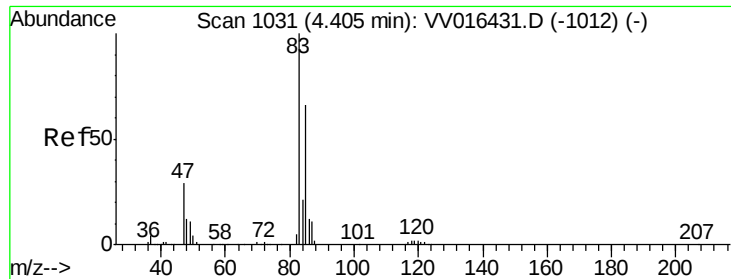
20000

0

4.20 4.25 4.30 4.35 4.40

Time-->





#25

Chloroform

Concen: 43.919 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV016431.D

Acq: 02 Jun 2020 16:40

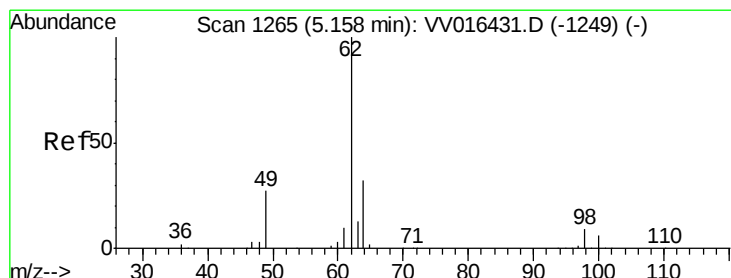
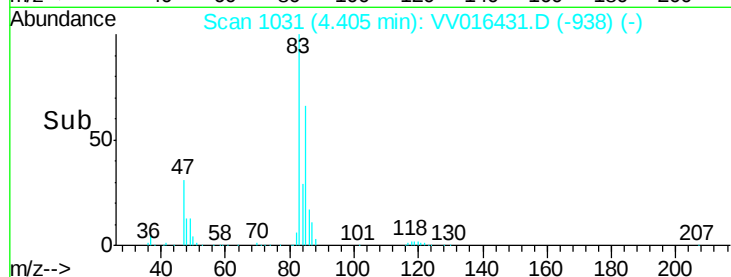
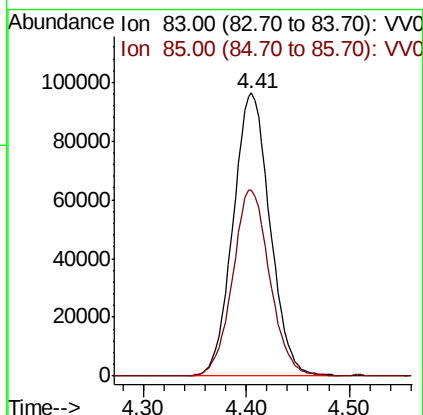
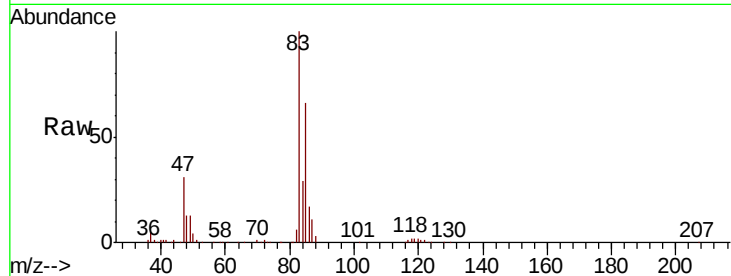
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 239952

Ion Ratio Lower Upper

83 100

85 65.9 46.1 85.7



#27

1,2-Dichloroethane

Concen: 44.420 ug/L

RT: 5.16 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VV016431.D

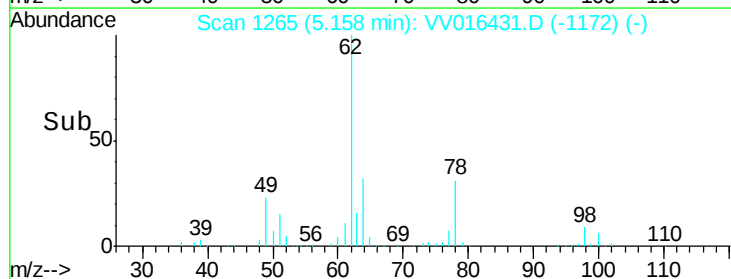
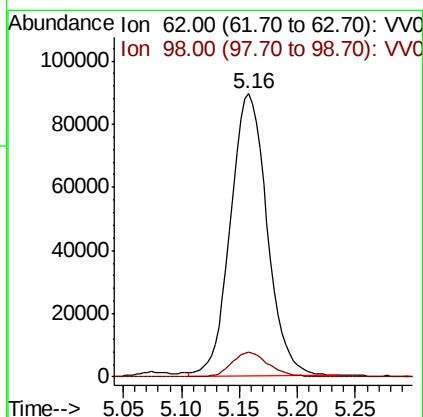
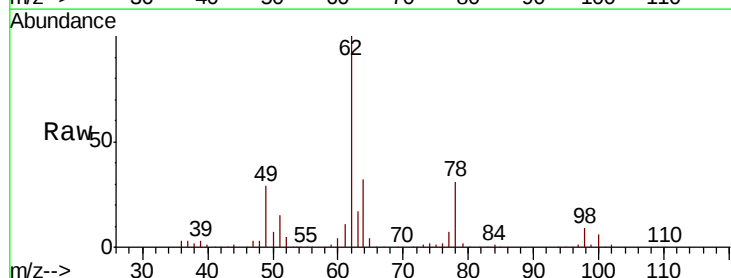
Acq: 02 Jun 2020 16:40

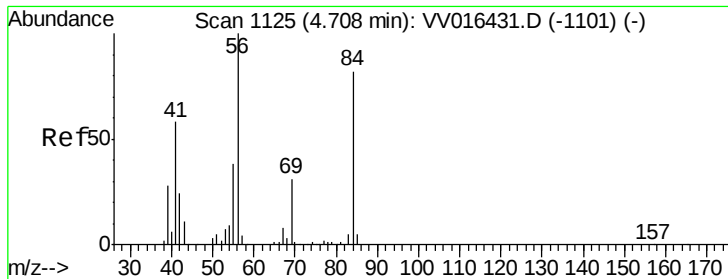
Tgt Ion: 62 Resp: 195224

Ion Ratio Lower Upper

62 100

98 8.6 6.9 10.3





#29

Cyclohexane

Concen: 46.248 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV016431.D

Acq: 02 Jun 2020 16:40

Instrument :
MSVOA_V
ClientSampled :

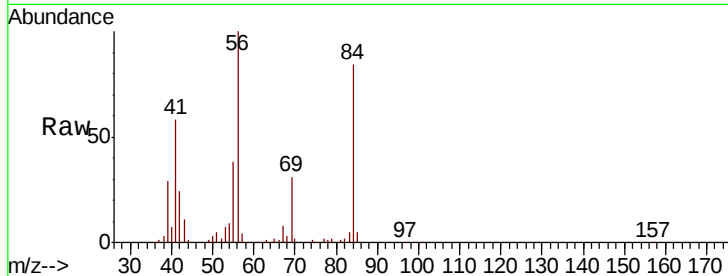
Tot Ion: 56 Resp: 200978

Ion Ratio Lower Upper

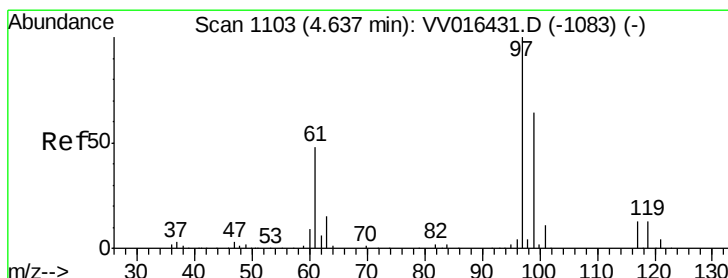
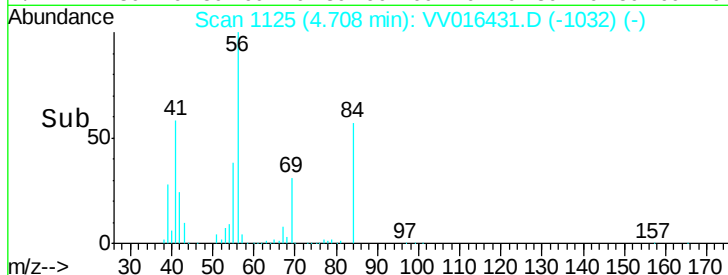
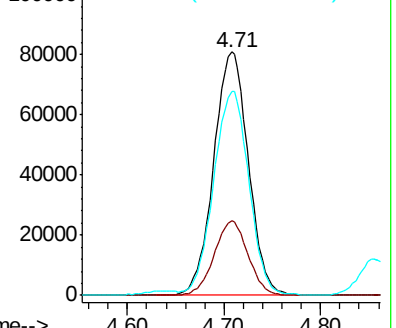
56 100

69 29.9 23.9 35.9

84 85.2 68.2 102.2



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 43.533 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV016431.D

Acq: 02 Jun 2020 16:40

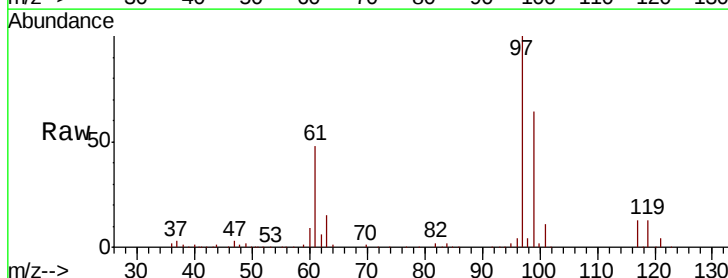
Tgt Ion: 97 Resp: 205457

Ion Ratio Lower Upper

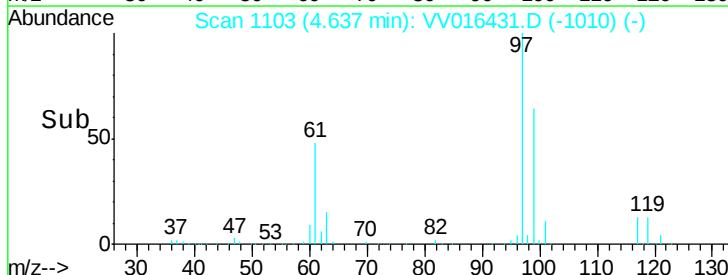
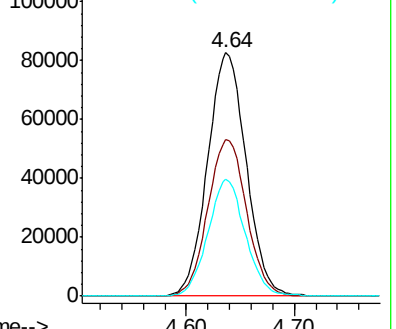
97 100

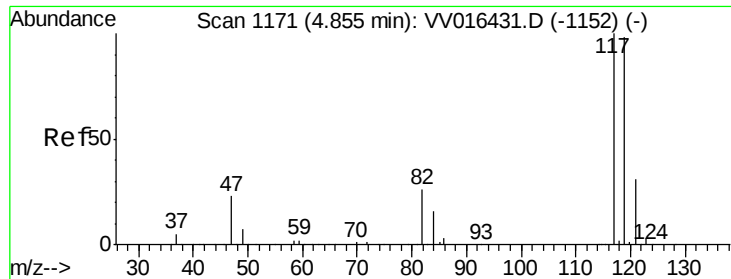
99 64.8 51.8 77.8

61 46.7 37.4 56.0



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 43.675 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV016431.D

Acq: 02 Jun 2020 16:40

Instrument :

MSVOA_V

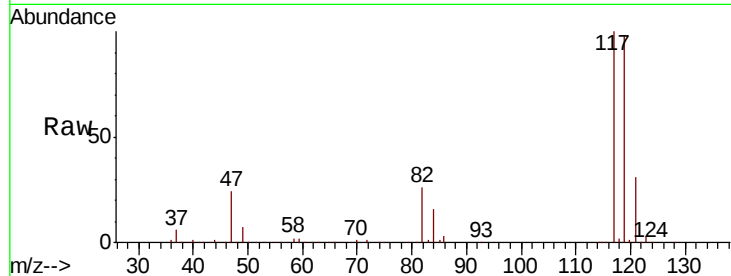
ClientSampleId :

Tot Ion:117 Resp: 173927

Ion Ratio Lower Upper

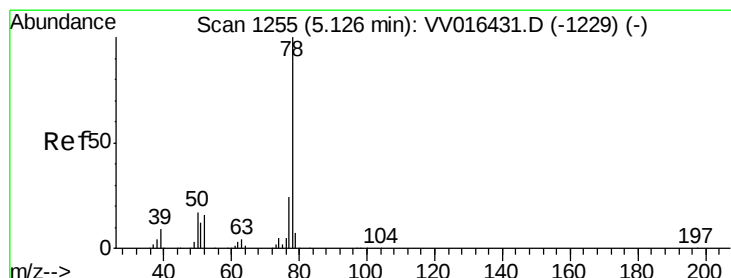
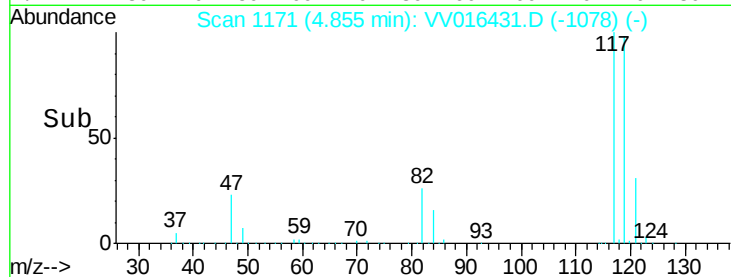
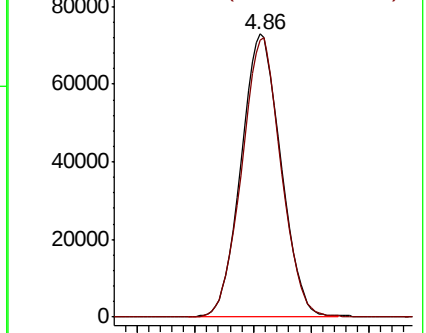
117 100

119 97.2 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: 46.382 ug/L

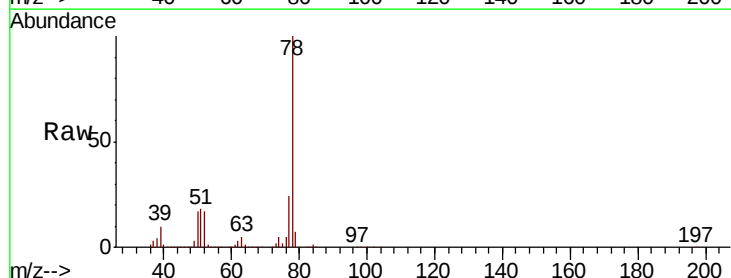
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

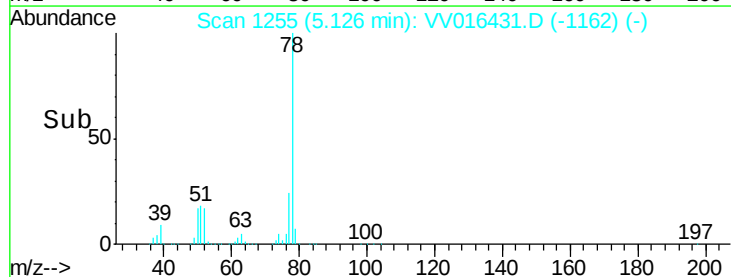
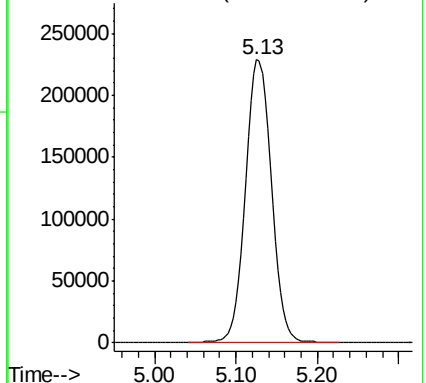
Lab File: VV016431.D

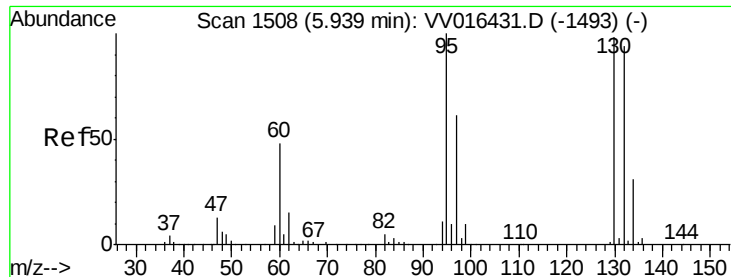
Acq: 02 Jun 2020 16:40

Tgt Ion: 78 Resp: 502129



Abundance Ion 78.00 (77.70 to 78.70): VV0

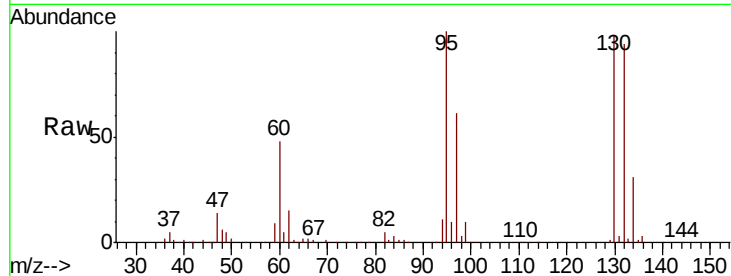




#34
 Trichloroethene
 Concen: 46.097 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV016431.D
 Acq: 02 Jun 2020 16:40

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	95	Resp:	128709
Ion	Ratio	Lower	Upper
95	100		
97	61.2	42.8	79.6
132	93.7	65.6	121.8
130	98.5	69.0	128.1



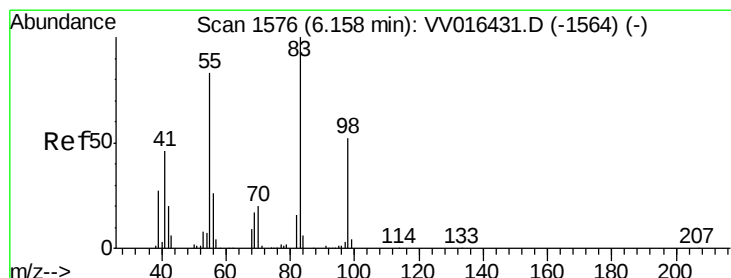
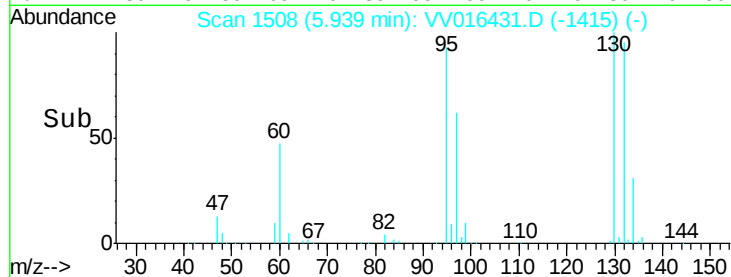
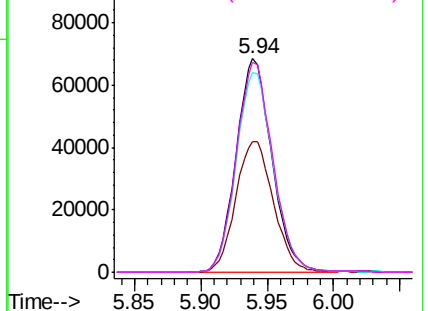
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

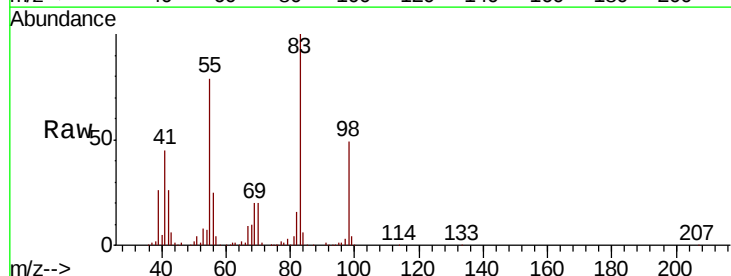
Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35
 Methylcyclohexane
 Concen: 43.865 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VV016431.D
 Acq: 02 Jun 2020 16:40

Tgt Ion:	83	Resp:	188506
Ion	Ratio	Lower	Upper
83	100		
55	79.2	63.4	95.0
98	49.2	39.4	59.0

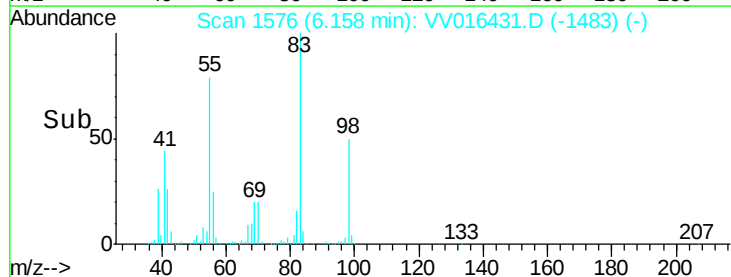
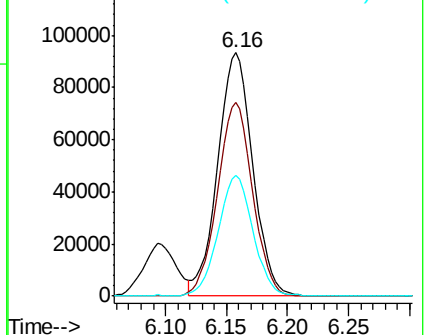


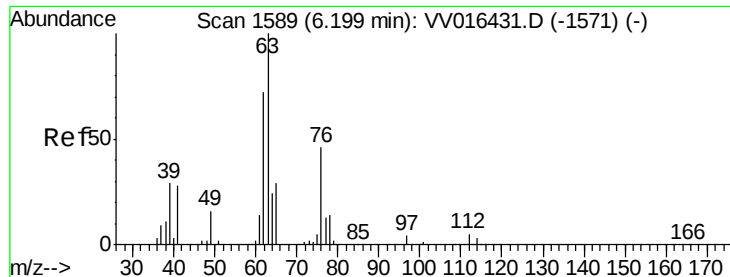
Abundance

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

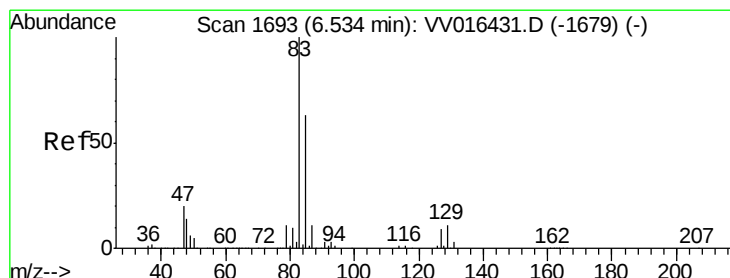
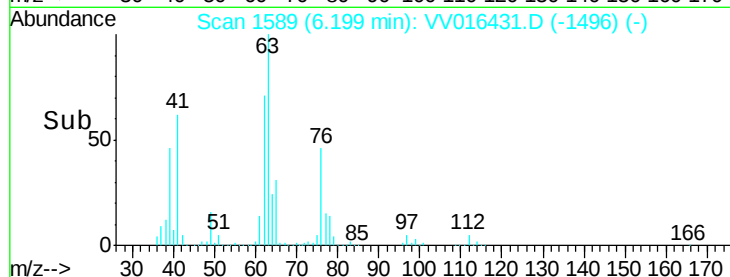
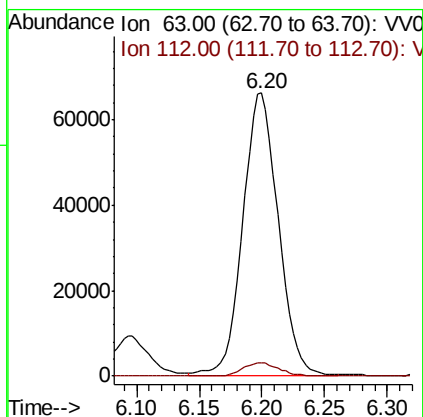
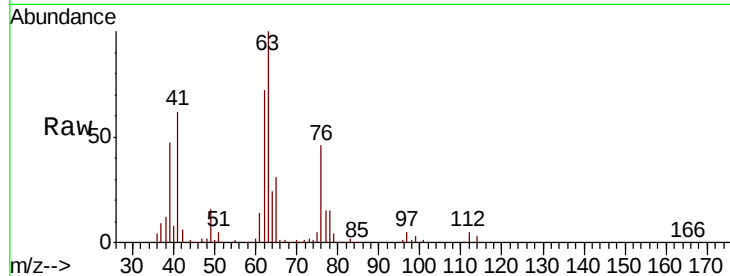




#37
 1,2-Dichloropropane
 Concen: 45.293 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV016431.D
 Acq: 02 Jun 2020 16:40

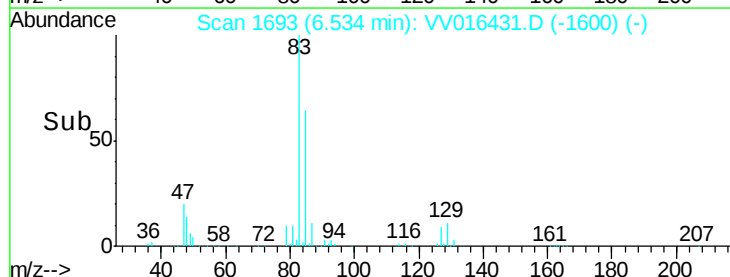
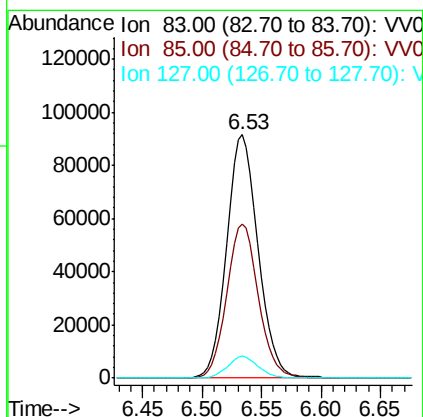
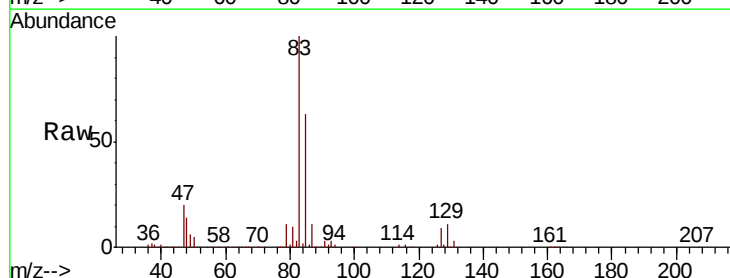
Instrument :
 MSVOA_V
 ClientSampleId :

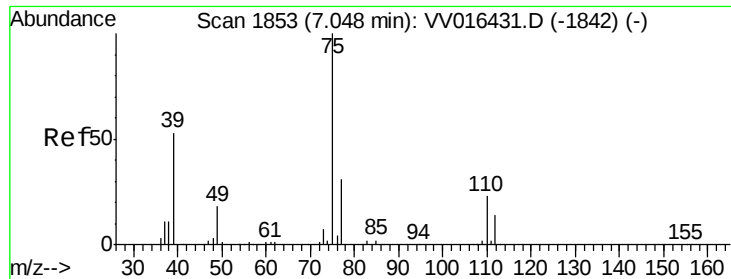
Tot Ion: 63 Resp: 131187
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.9 5.9



#38
 Bromodichloromethane
 Concen: 43.377 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV016431.D
 Acq: 02 Jun 2020 16:40

Tgt Ion: 83 Resp: 167808
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.4 82.5
 127 8.9 7.1 10.7

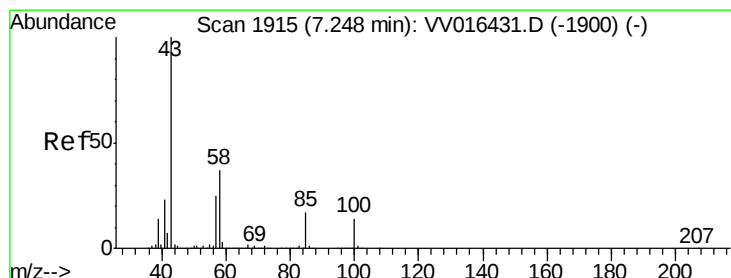
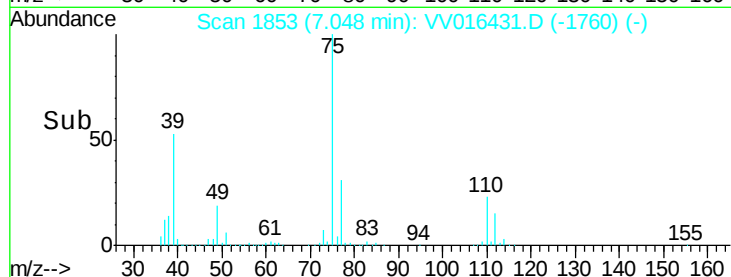
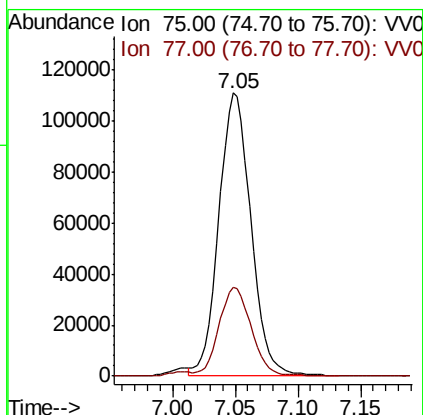
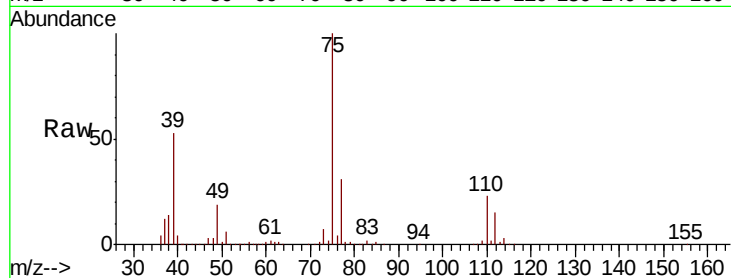




#39
 cis-1,3-Dichloropropene
 Concen: 44.933 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV016431.D
 Acq: 02 Jun 2020 16:40

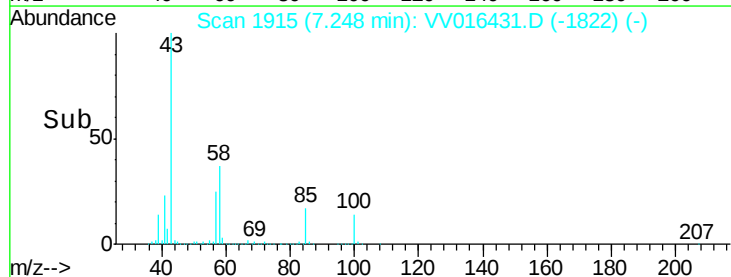
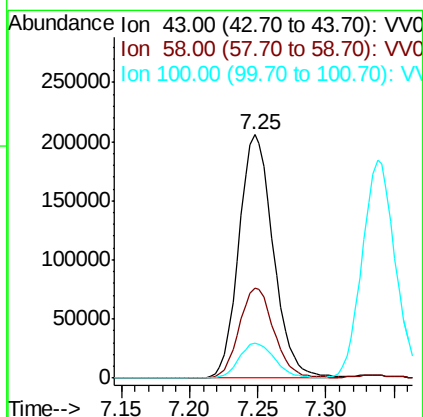
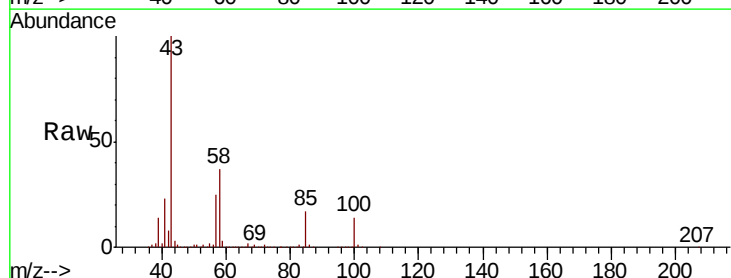
Instrument :
 MSVOA_V
 ClientSampleId :

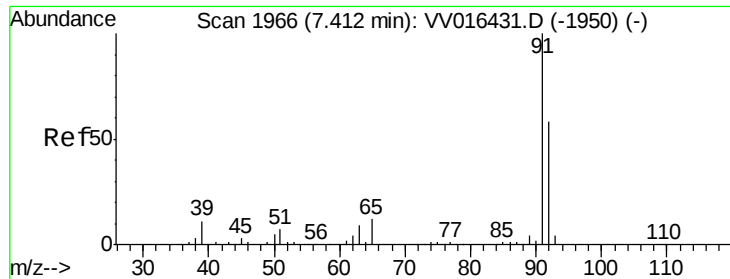
Tot Ion: 75 Resp: 195784
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 98.178 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV016431.D
 Acq: 02 Jun 2020 16:40

Tgt Ion: 43 Resp: 360759
 Ion Ratio Lower Upper
 43 100
 58 37.4 29.9 44.9
 100 14.9 11.9 17.9





#42

Toluene

Concen: 46.526 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016431.D

Acq: 02 Jun 2020 16:40

Instrument :

MSVOA_V

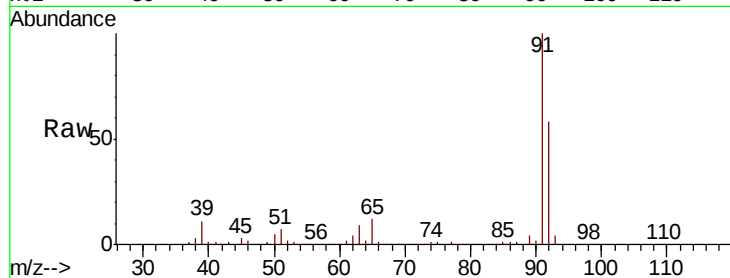
ClientSampleId :

Tot Ion: 91 Resp: 538778

Ion Ratio Lower Upper

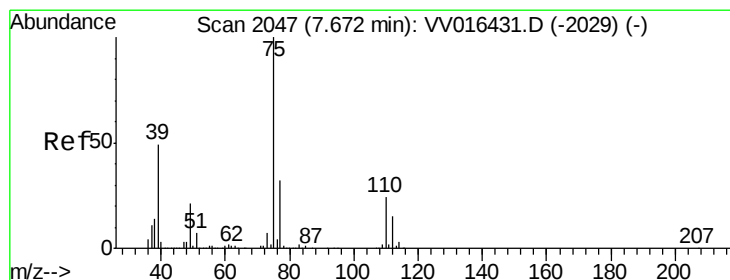
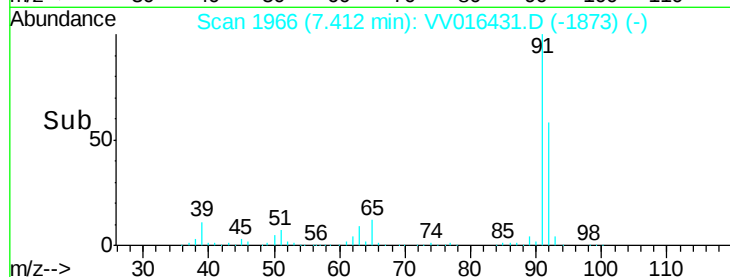
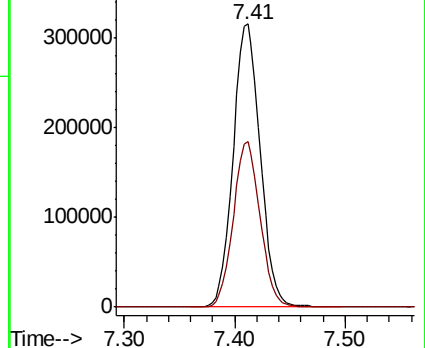
91 100

92 58.4 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: 44.125 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV016431.D

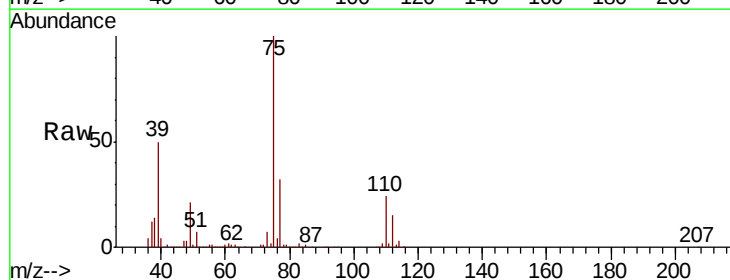
Acq: 02 Jun 2020 16:40

Tgt Ion: 75 Resp: 190851

Ion Ratio Lower Upper

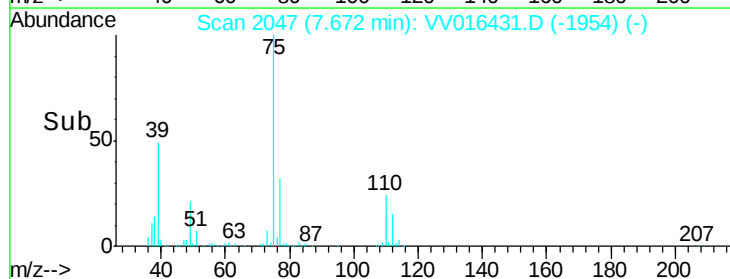
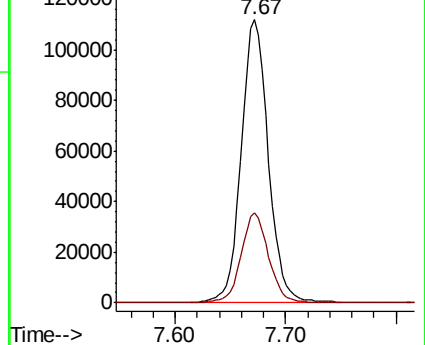
75 100

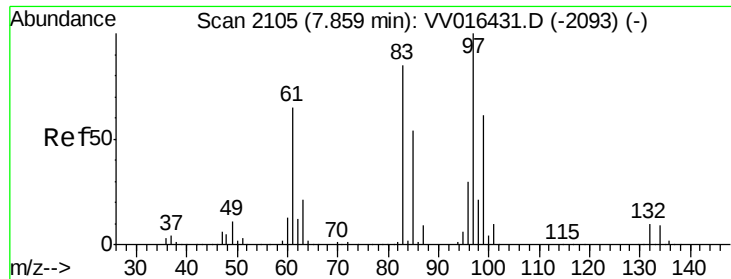
77 31.7 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

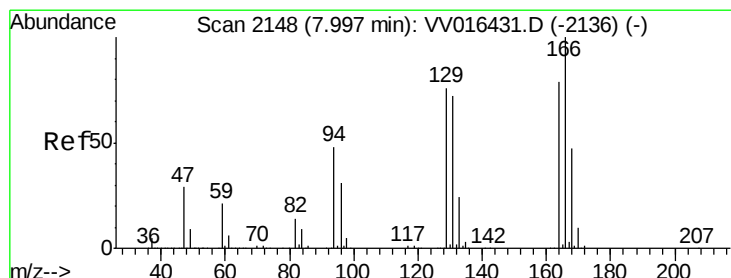
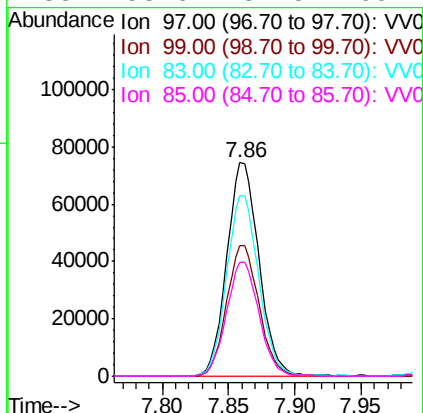
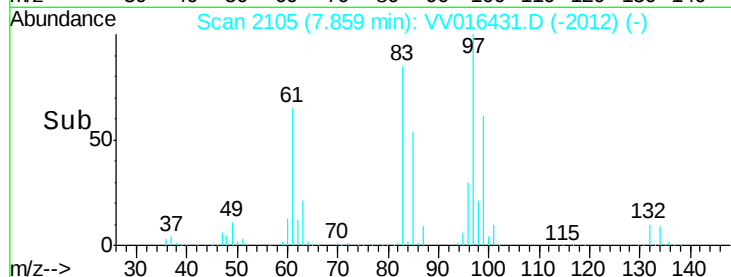
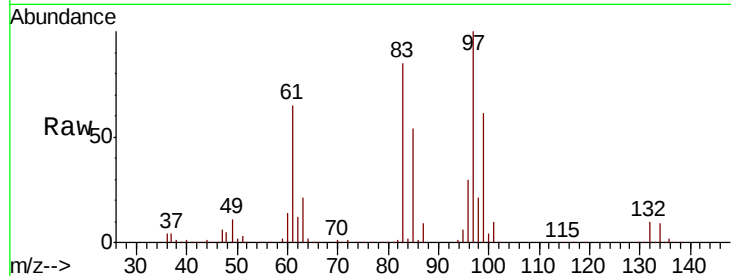




#45
1,1,2-Trichloroethane
Concen: 46.685 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV016431.D
Acq: 02 Jun 2020 16:40

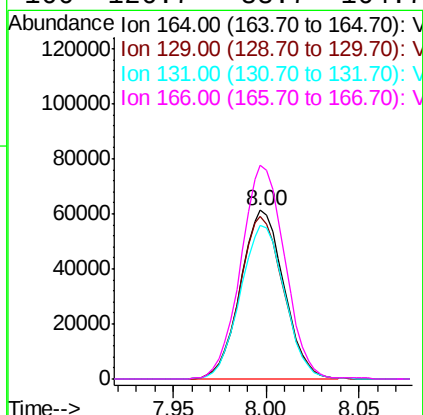
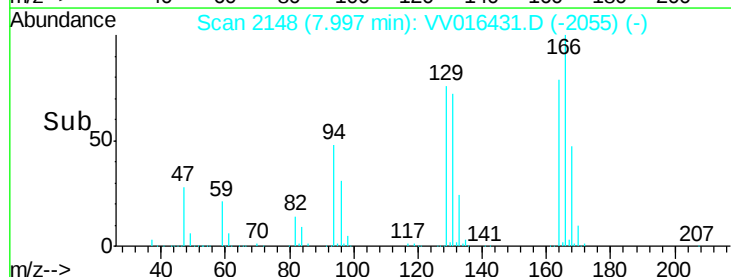
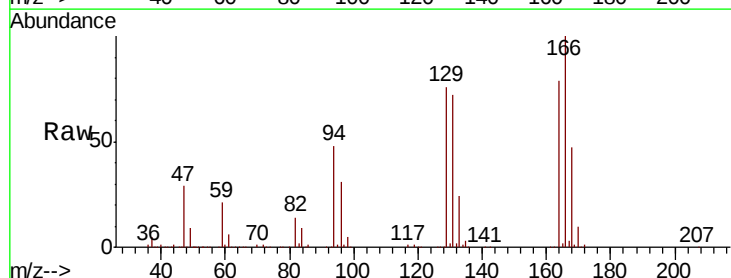
Instrument :
MSVOA_V
ClientSampled :

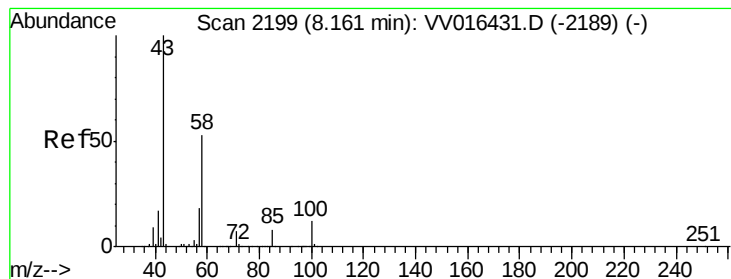
Tot Ion:	97	Resp:	125894
Ion	Ratio	Lower	Upper
97	100		
99	61.3	42.9	79.7
83	84.7	59.3	110.1
85	53.6	37.5	69.7



#46
Tetrachloroethene
Concen: 46.465 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV016431.D
Acq: 02 Jun 2020 16:40

Tgt Ion:	164	Resp:	100001
Ion	Ratio	Lower	Upper
164	100		
129	96.7	67.7	125.7
131	91.2	63.8	118.6
166	126.7	88.7	164.7





#48

2-Hexanone

Concen: 99.214 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VV016431.D

Acq: 02 Jun 2020 16:40

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 276171

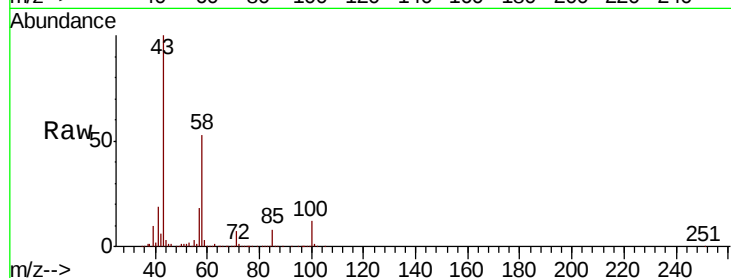
Ion Ratio Lower Upper

43 100

58 53.4 42.7 64.1

57 18.1 14.5 21.7

100 11.8 9.4 14.2

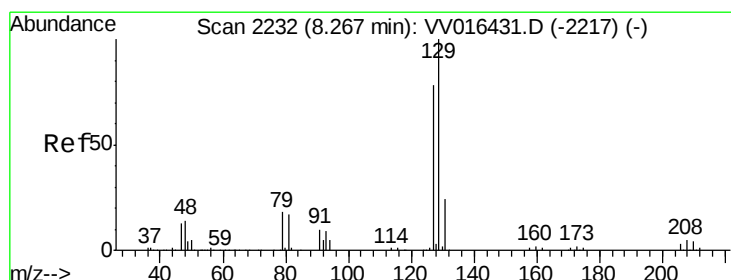
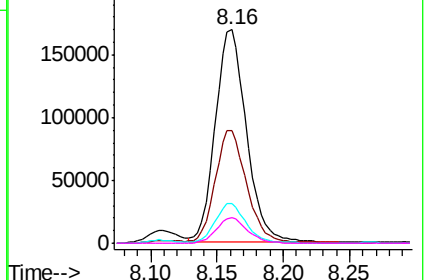
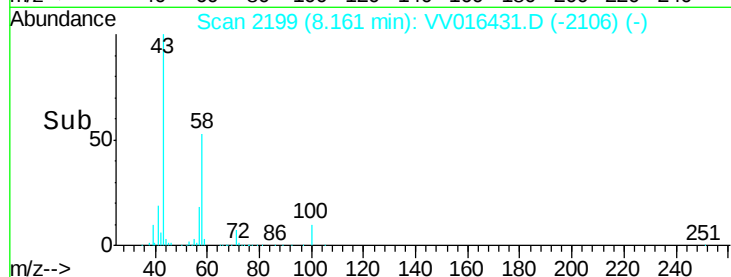


Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 44.093 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV016431.D

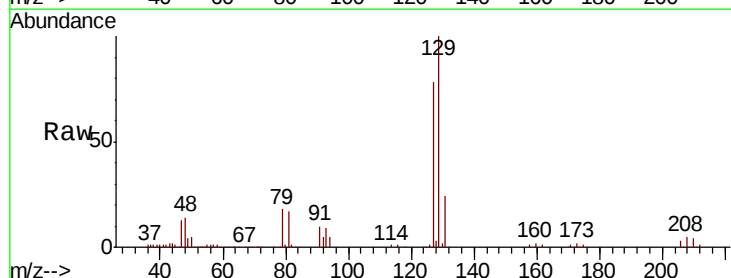
Acq: 02 Jun 2020 16:40

Tgt Ion: 129 Resp: 123447

Ion Ratio Lower Upper

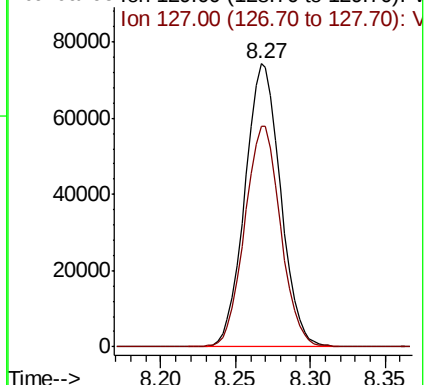
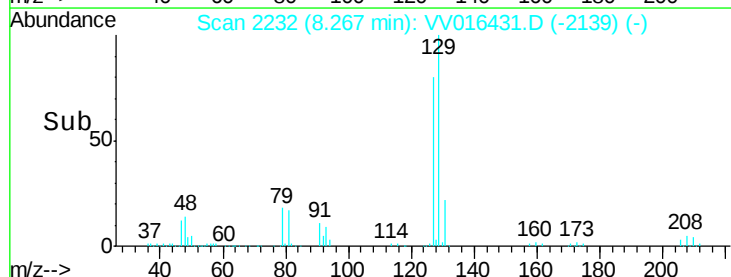
129 100

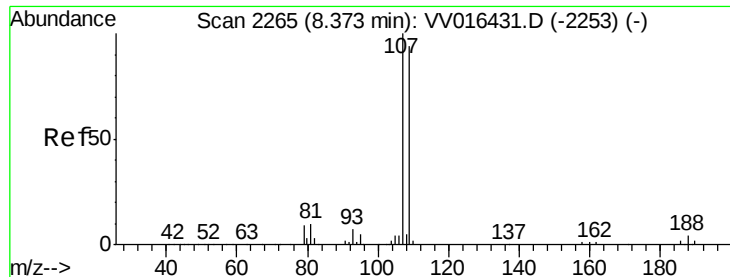
127 78.0 54.6 101.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

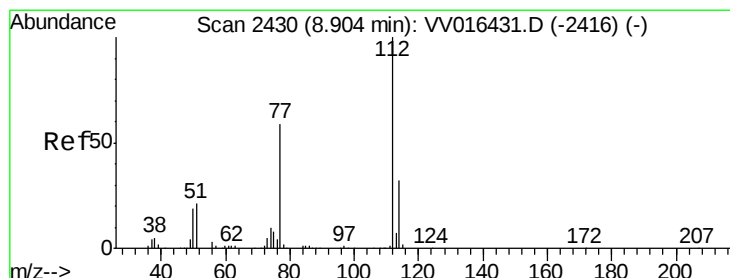
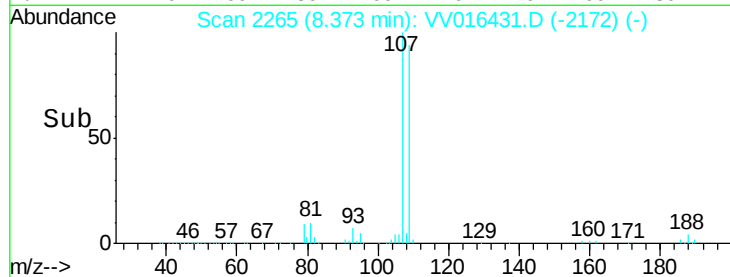
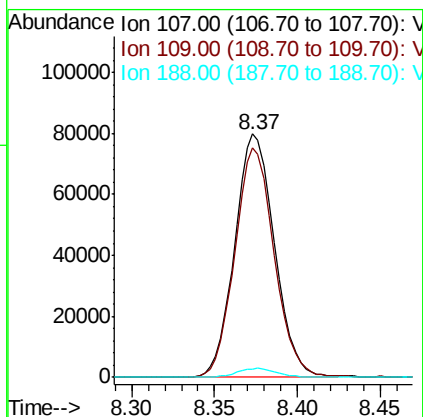
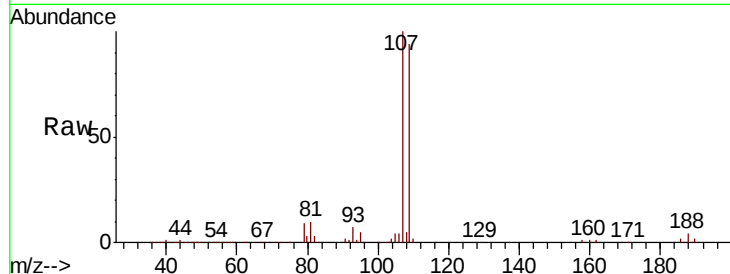




#50
 1,2-Dibromoethane
 Concen: 47.526 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV016431.D
 Acq: 02 Jun 2020 16:40

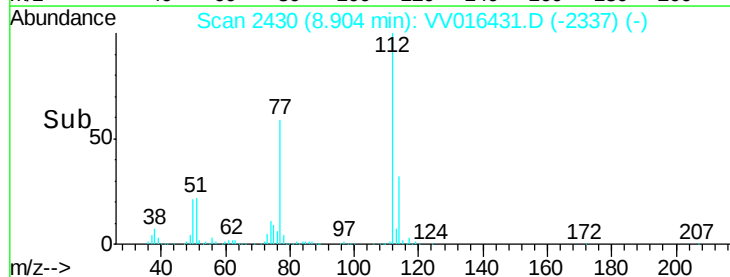
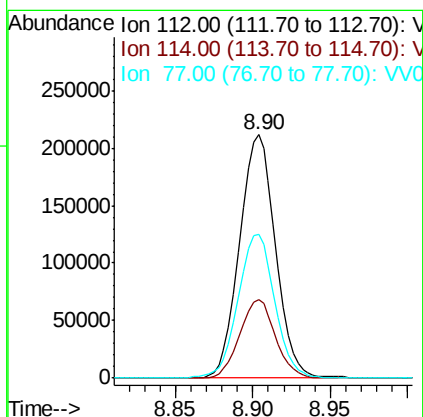
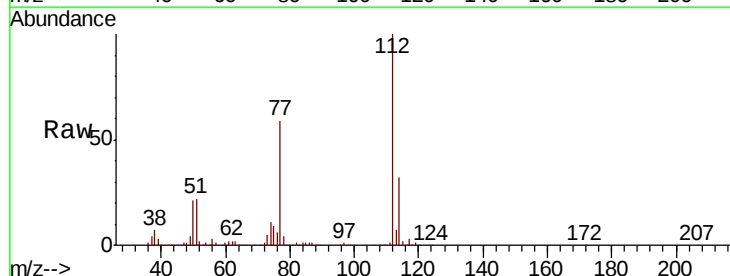
Instrument :
 MSVOA_V
 ClientSampled :

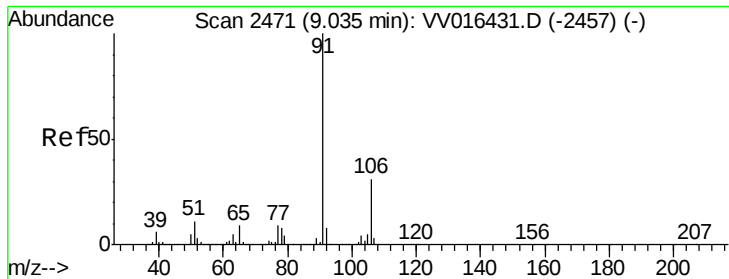
Tot Ion	107	Resp	133121
Ion Ratio	Lower	Upper	
107	100		
109	94.1	65.9	122.3
188	3.5	2.8	4.2



#51
 Chlorobenzene
 Concen: 45.327 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV016431.D
 Acq: 02 Jun 2020 16:40

Tgt Ion	112	Resp	341772
Ion Ratio	Lower	Upper	
112	100		
114	32.4	22.7	42.1
77	59.3	47.4	71.2





#52

Ethylbenzene

Concen: 44.824 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016431.D

Acq: 02 Jun 2020 16:40

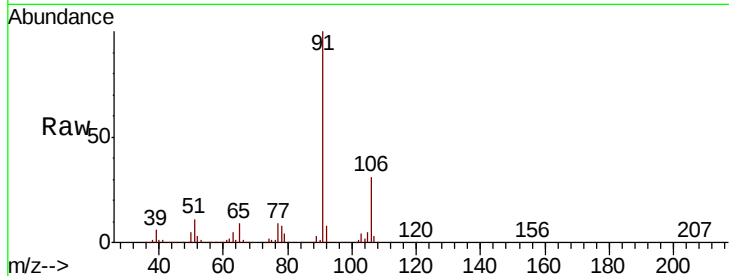
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 582337

Ion Ratio Lower Upper

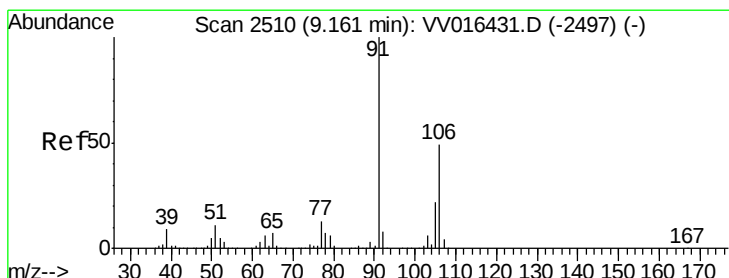
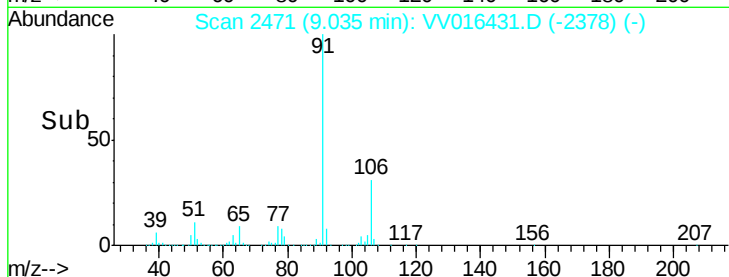
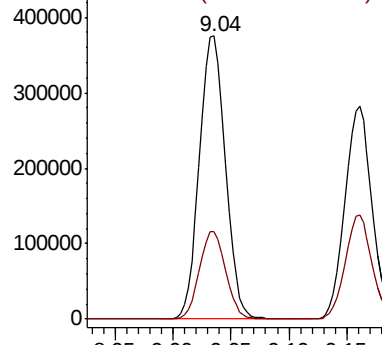
91 100

106 31.1 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 45.840 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016431.D

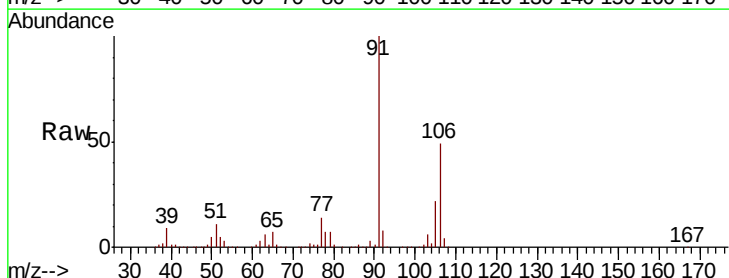
Acq: 02 Jun 2020 16:40

Tgt Ion: 106 Resp: 222268

Ion Ratio Lower Upper

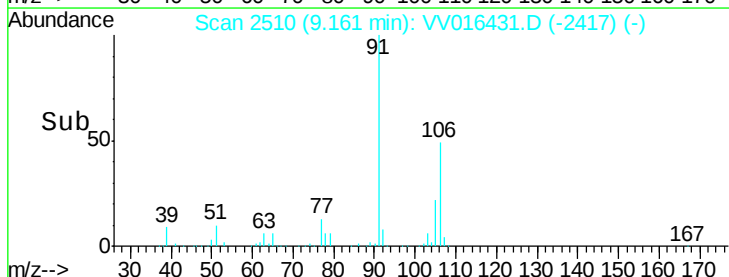
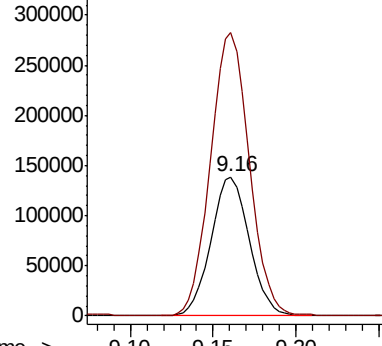
106 100

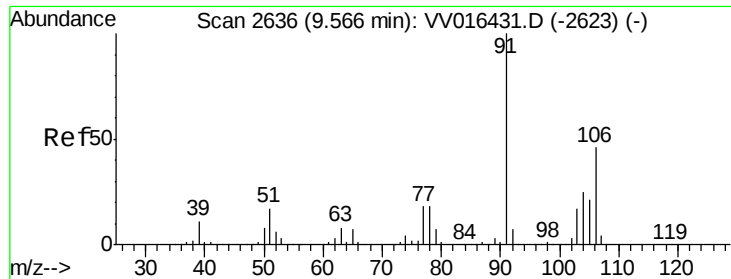
91 203.5 142.5 264.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

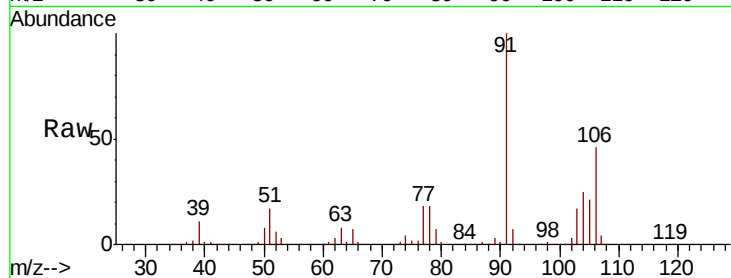




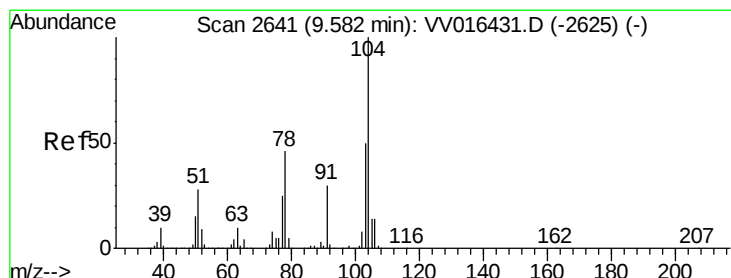
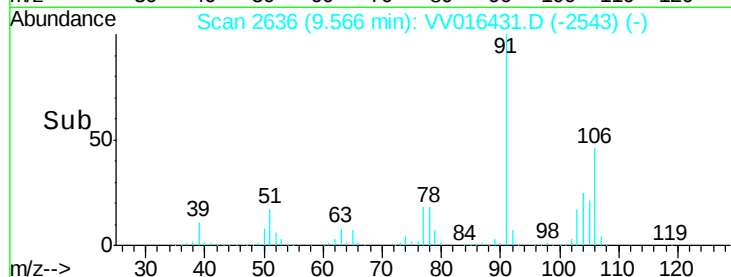
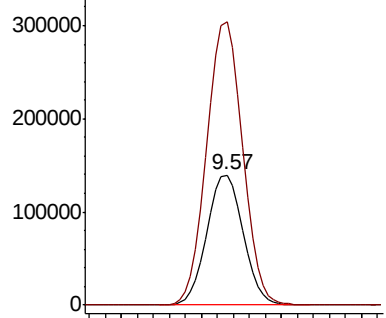
#54
o-xylene
Concen: 45.656 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016431.D
Acq: 02 Jun 2020 16:40

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 215601
Ion Ratio Lower Upper
106 100
91 217.8 152.5 283.1

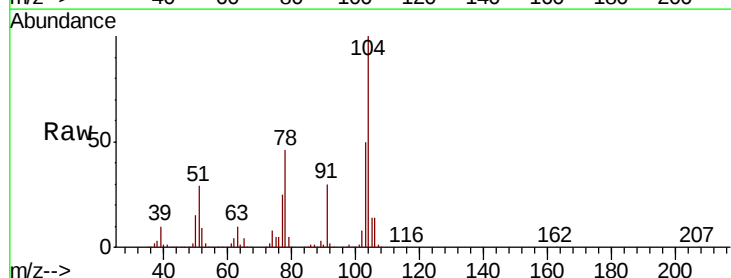


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

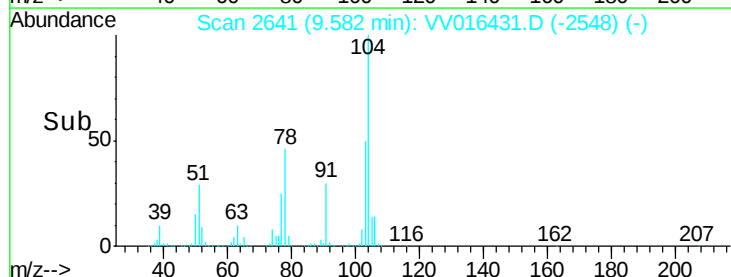
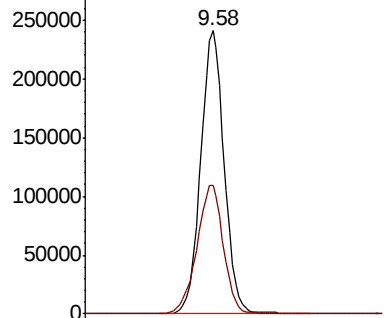


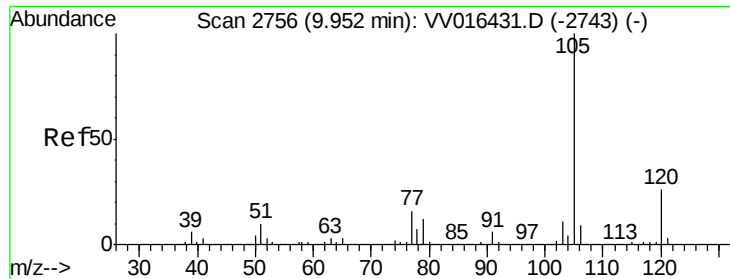
#55
Styrene
Concen: 47.208 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV016431.D
Acq: 02 Jun 2020 16:40

Tgt Ion:104 Resp: 382790
Ion Ratio Lower Upper
104 100
78 45.6 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: 44.718 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016431.D

Acq: 02 Jun 2020 16:40

Instrument :

MSVOA_V

ClientSampleId :

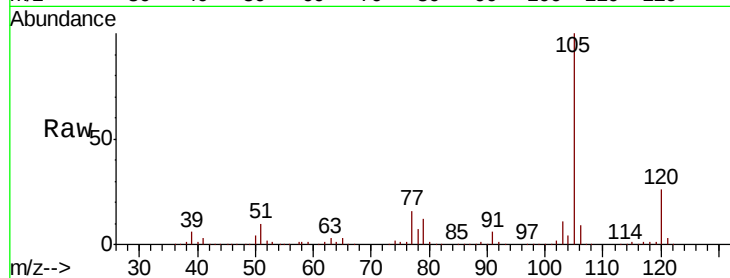
Tot Ion:105 Resp: 557420

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

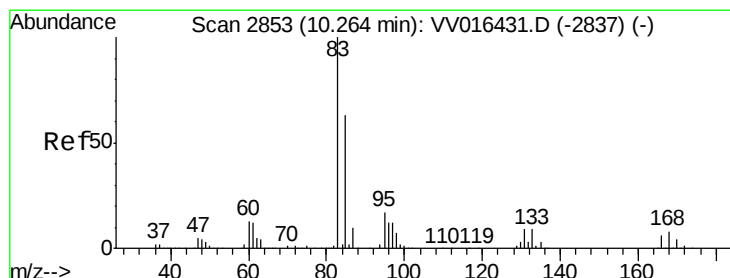
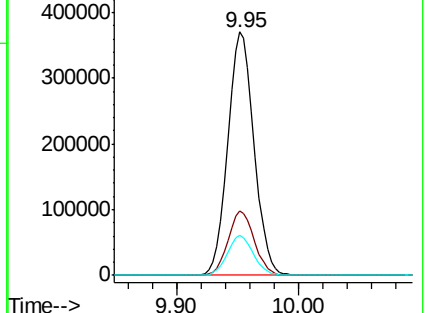
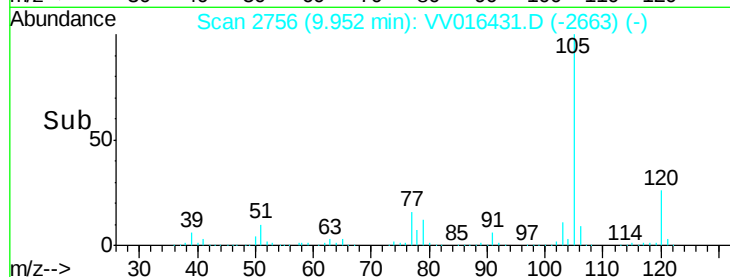
77 16.2 13.0 19.4



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: 47.407 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016431.D

Acq: 02 Jun 2020 16:40

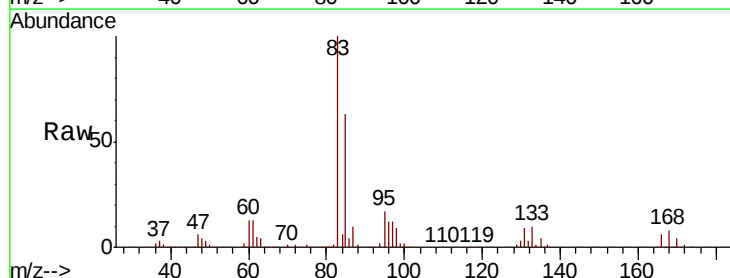
Tgt Ion: 83 Resp: 200234

Ion Ratio Lower Upper

83 100

85 62.8 44.0 81.6

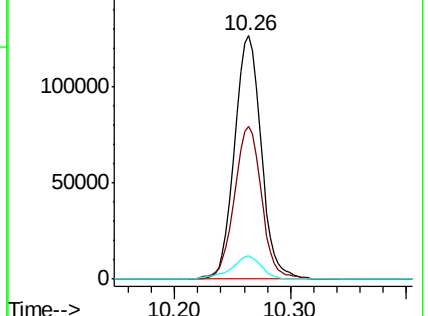
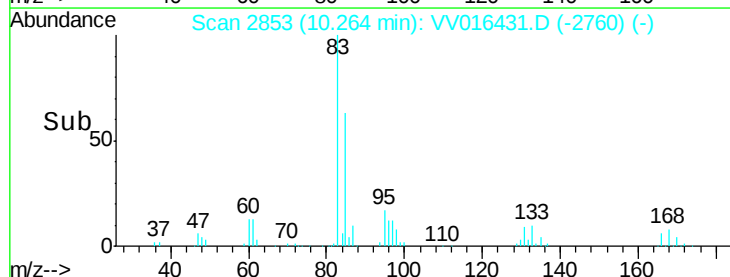
131 9.5 7.6 11.4

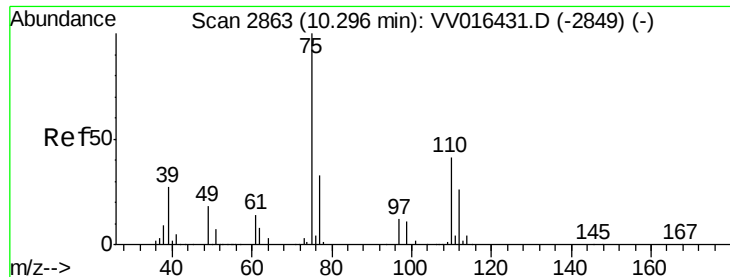


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 45.155 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV016431.D

Acq: 02 Jun 2020 16:40

Instrument :

MSVOA_V

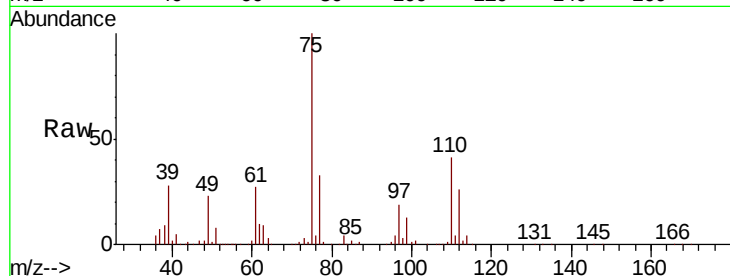
ClientSampleId :

Tot Ion: 75 Resp: 156013

Ion Ratio Lower Upper

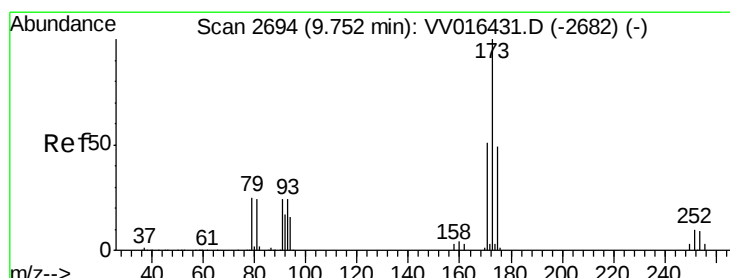
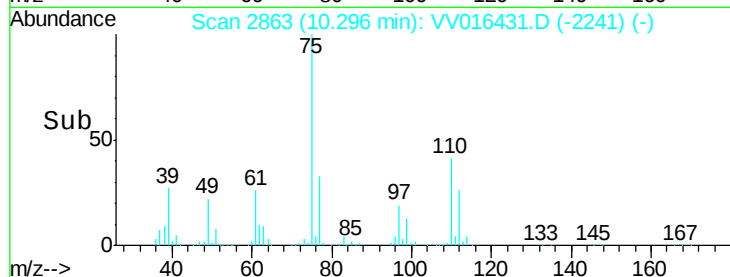
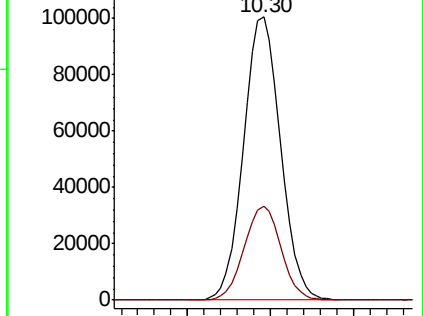
75 100

77 33.3 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: 39.085 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016431.D

Acq: 02 Jun 2020 16:40

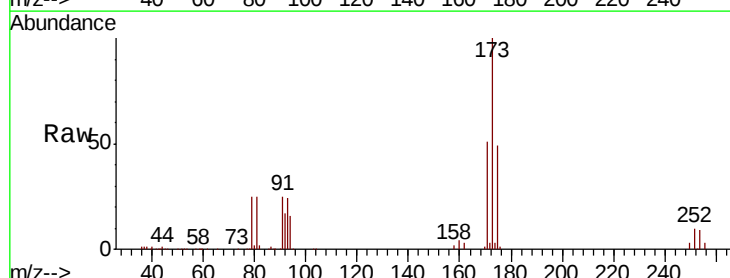
Tgt Ion: 173 Resp: 70886

Ion Ratio Lower Upper

173 100

175 48.5 38.8 58.2

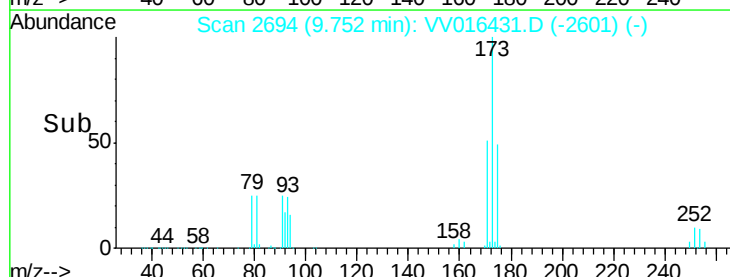
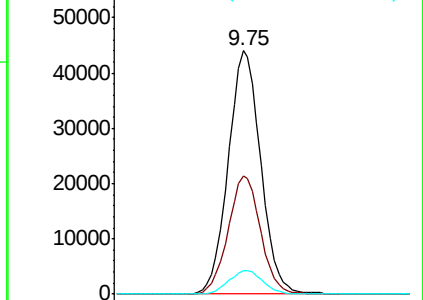
254 9.9 7.9 11.9

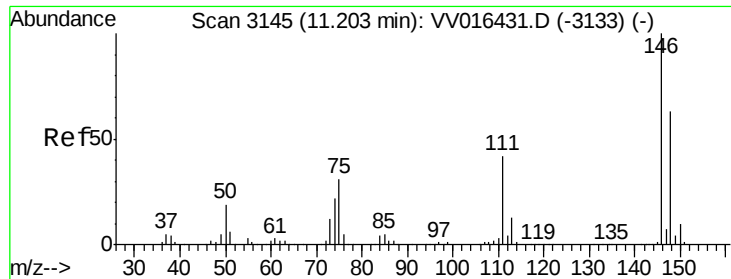


Abundance Ion 173.00 (172.70 to 173.70): VV016431.D (-2682) (-)

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: 43.854 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016431.D

Acq: 02 Jun 2020 16:40

Instrument :

MSVOA_V

ClientSampled :

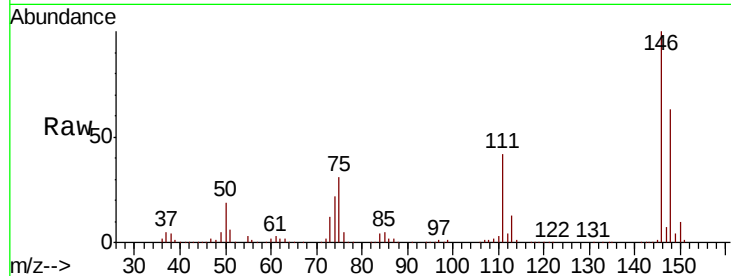
Tot Ion:146 Resp: 267421

Ion Ratio Lower Upper

146 100

111 42.5 29.8 55.3

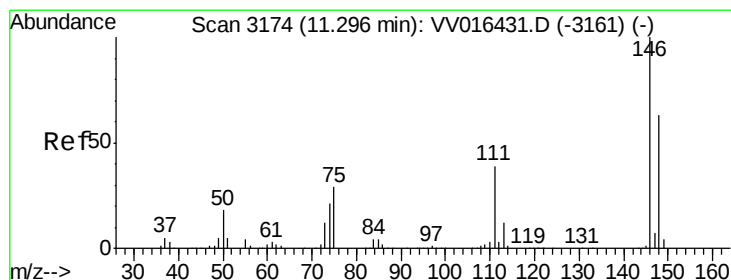
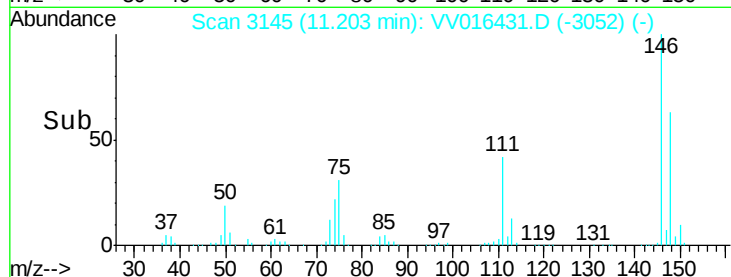
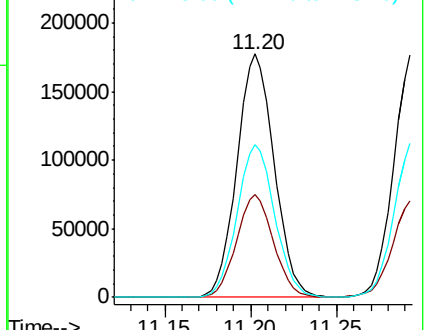
148 62.9 44.0 81.8



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: 44.009 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016431.D

Acq: 02 Jun 2020 16:40

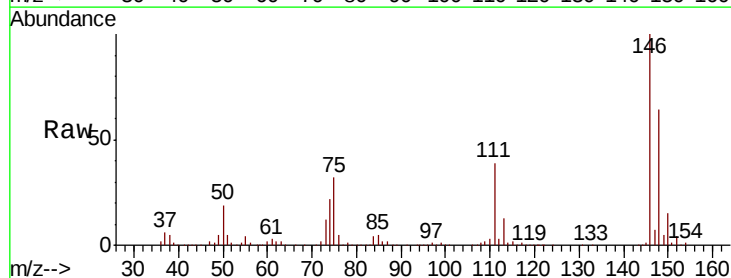
Tgt Ion:146 Resp: 274846

Ion Ratio Lower Upper

146 100

111 39.0 27.3 50.7

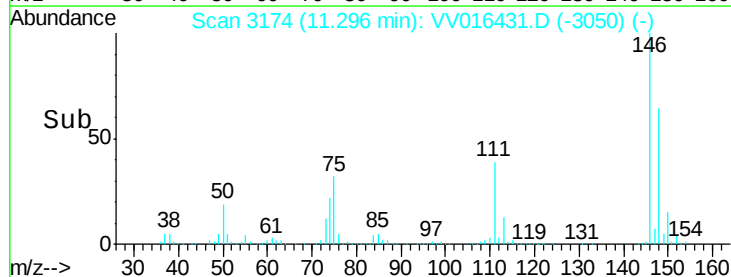
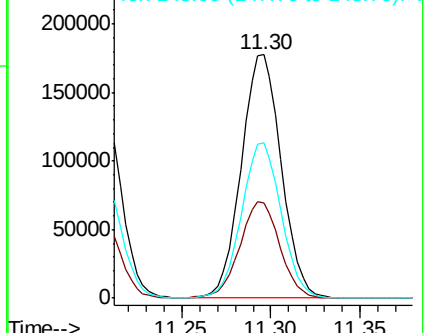
148 63.6 44.5 82.7

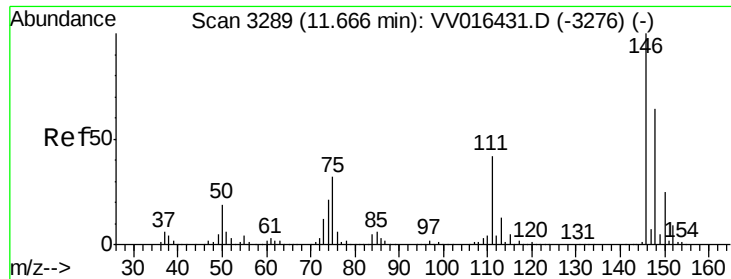


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 43.294 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016431.D

Acq: 02 Jun 2020 16:40

Instrument :

MSVOA_V

ClientSampleId :

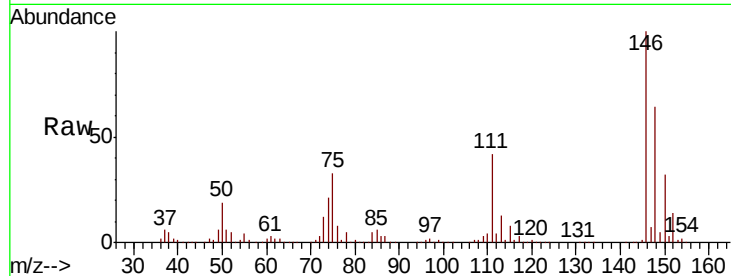
Tot Ion:146 Resp: 267026

Ion Ratio Lower Upper

146 100

111 42.0 33.6 50.4

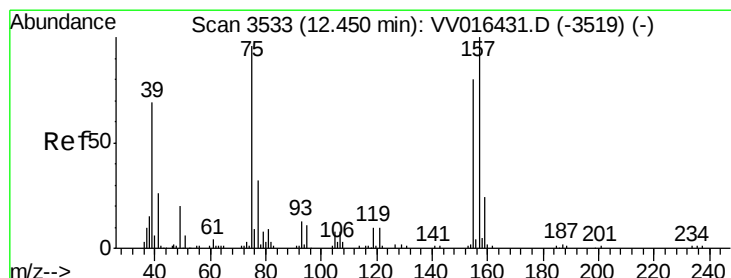
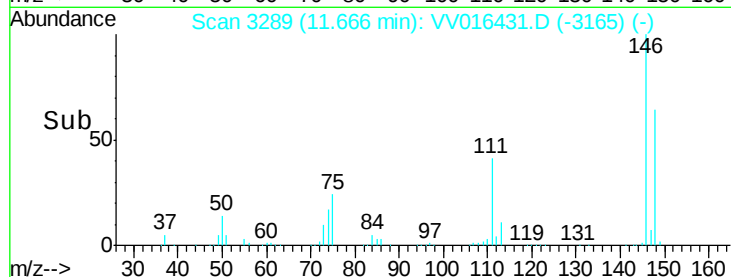
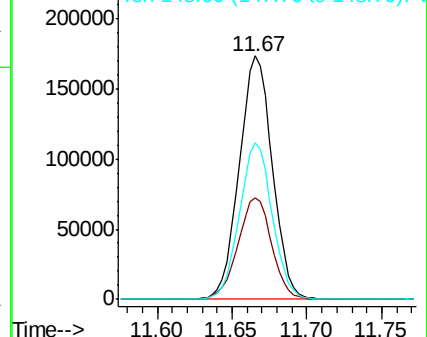
148 64.4 51.5 77.3



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: 41.778 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV016431.D

Acq: 02 Jun 2020 16:40

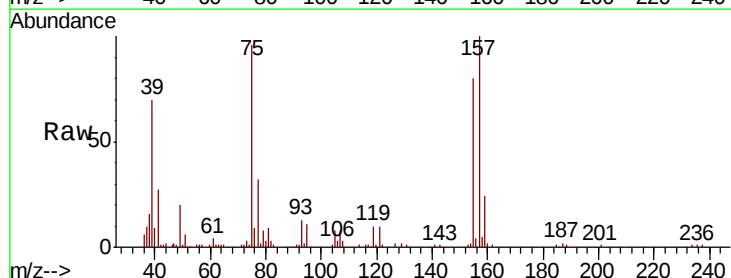
Tgt Ion: 75 Resp: 39410

Ion Ratio Lower Upper

75 100

155 82.7 66.2 99.2

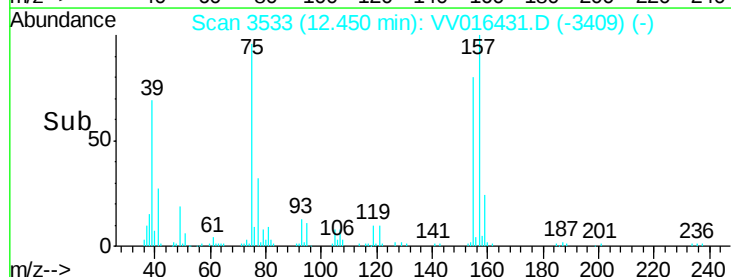
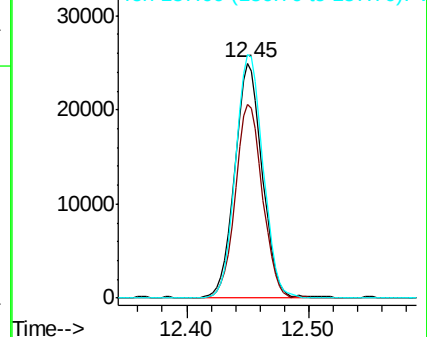
157 103.7 83.0 124.4

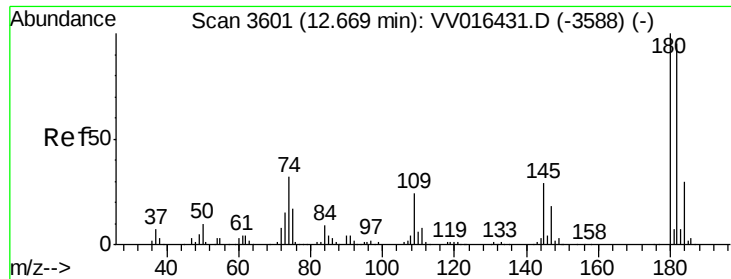


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

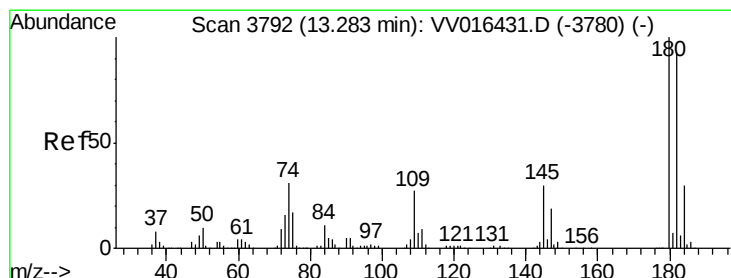
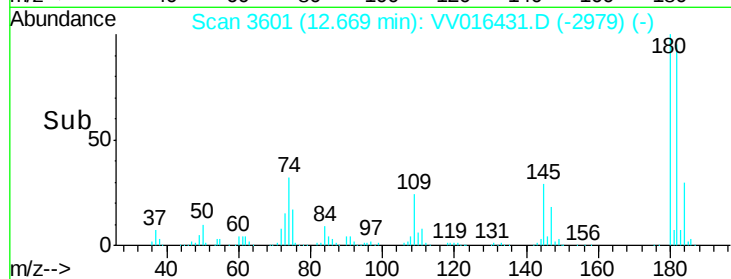
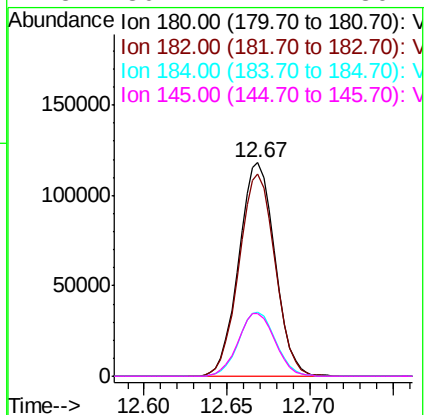
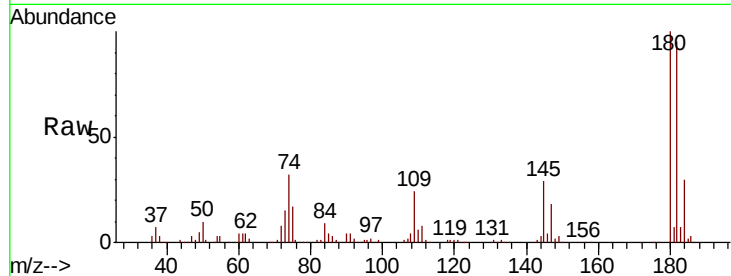




#67
 1,3,5-Trichlorobenzene
 Concen: 42.754 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016431.D
 Acq: 02 Jun 2020 16:40

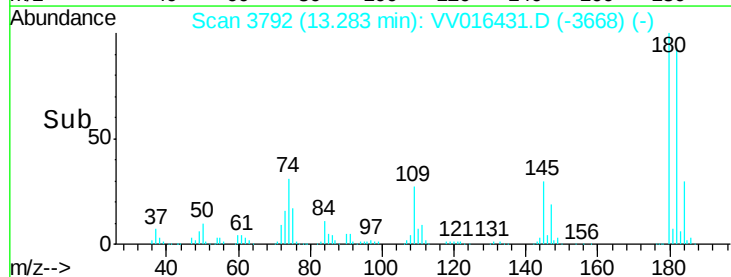
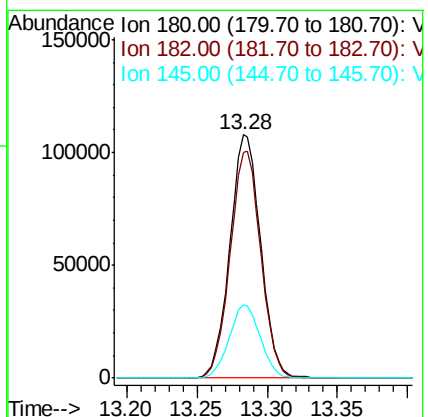
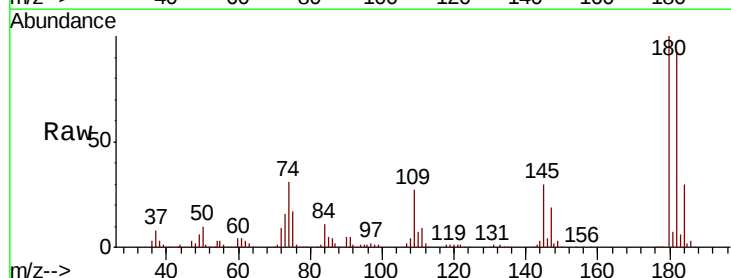
Instrument :
 MSVOA_V
 ClientSampleId :

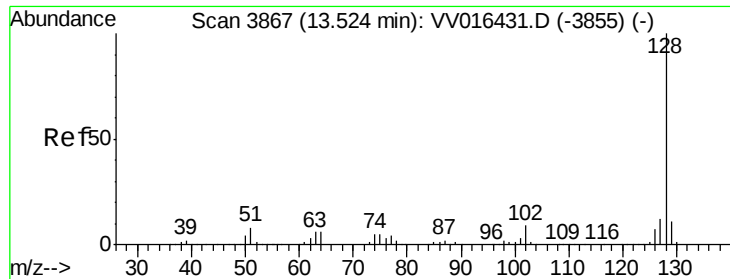
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.8
184	30.5	24.4	36.6
145	30.2	24.2	36.2



#68
 1,2,4-trichlorobenzene
 Concen: 43.793 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV016431.D
 Acq: 02 Jun 2020 16:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	74.6	111.8
145	30.6	24.5	36.7





#69

Naphthalene

Concen: 46.869 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV016431.D

Acq: 02 Jun 2020 16:40

Instrument :

MSVOA_V

ClientSampleId :

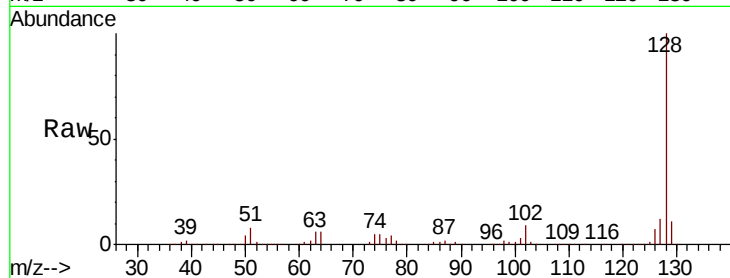
Tot Ion:128 Resp: 511546

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

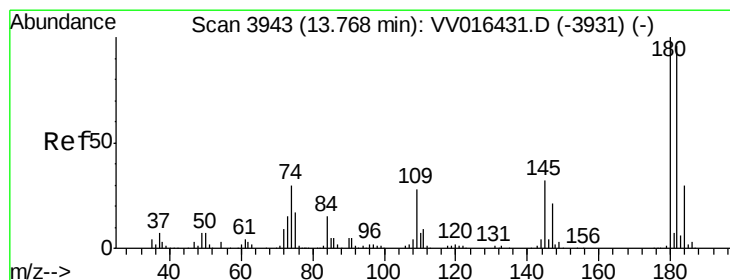
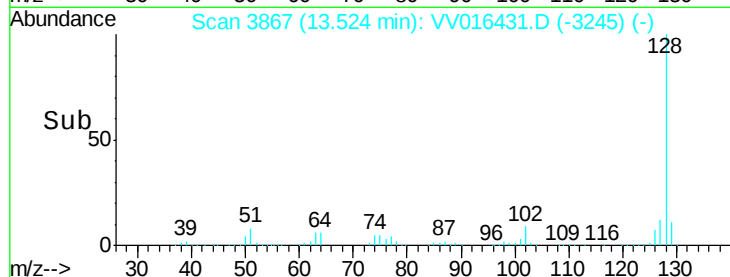
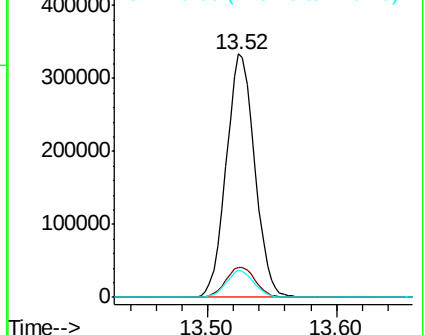
129 10.9 8.7 13.1



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: 41.595 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016431.D

Acq: 02 Jun 2020 16:40

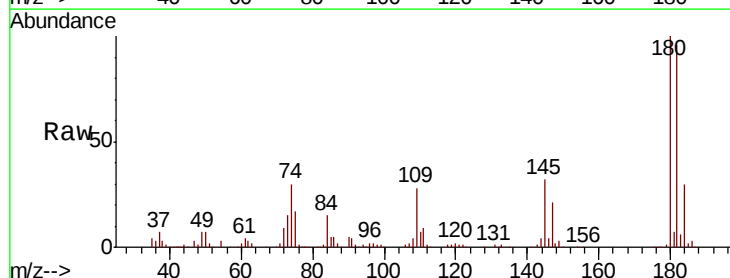
Tgt Ion:180 Resp: 156010

Ion Ratio Lower Upper

180 100

182 95.0 76.0 114.0

145 33.1 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

