

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032720\
 Data File : VV015259.D
 Acq On : 28 Mar 2020 20:31
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 30 02:17:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 30 02:13:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	576859	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	578861	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	270122	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	122422	52.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.60%
7) Chloroethane-d5	1.58	69	135033	53.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.64%
11) 1,1-Dichloroethene-d2	2.12	63	299458	51.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.32%
21) 2-Butanone-d5	3.93	46	312860	112.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.84%
24) Chloroform-d	4.38	84	335953	55.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.06%
26) 1,2-Dichloroethane-d4	5.06	65	221632	55.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.40%
32) Benzene-d6	5.08	84	537758	52.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.52%
36) 1,2-Dichloropropane-d6	6.09	67	202303	52.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.98%
41) Toluene-d8	7.34	98	480235	53.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.94%
43) trans-1,3-Dichloropropene-	7.64	79	97460	47.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.54%
47) 2-Hexanone-d5	8.11	63	247000	112.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.10%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	371133	55.19	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.38%
64) 1,2-Dichlorobenzene-d4	11.65	152	245761	53.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	227670	51.965	ug/L 100
3) Chloromethane	1.25	50	257474	51.654	ug/L 97
5) Vinyl chloride	1.32	62	267404	52.101	ug/L 100
6) Bromomethane	1.53	94	161141	48.629	ug/L 97
8) Chloroethane	1.60	64	173851	52.611	ug/L 99
9) Trichlorofluoromethane	1.76	101	454268	55.245	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	224656	51.798	ug/L 100
12) 1,1-Dichloroethene	2.13	96	225465	52.347	ug/L 95
13) Acetone	2.22	43	188077	116.196	ug/L # 100
14) Carbon disulfide	2.31	76	534378	49.916	ug/L 100
15) Methyl Acetate	2.46	43	212782	54.382	ug/L 99
16) Methylene chloride	2.52	84	213503	50.751	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	188691	50.763	ug/L 100
18) Methyl tert-butyl Ether	2.79	73	667852	52.559	ug/L 99
19) 1,1-Dichloroethane	3.21	63	367448	52.984	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	218147	49.118	ug/L # 97
22) 2-Butanone	4.02	43	294139	111.888	ug/L 81

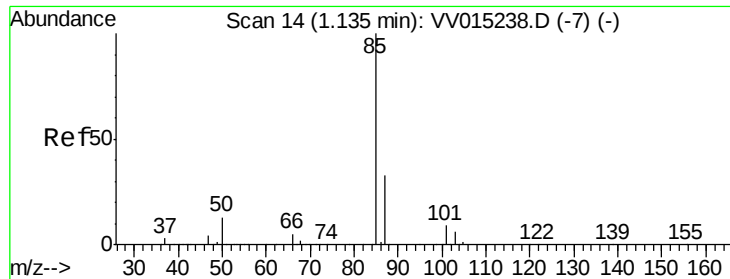
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032720\
 Data File : VV015259.D
 Acq On : 28 Mar 2020 20:31
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 30 02:17:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 30 02:13:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	104729	49.985	ug/L	98
25) Chloroform	4.41	83	390061	52.689	ug/L	96
27) 1,2-Dichloroethane	5.16	62	307230	53.798	ug/L	99
29) Cyclohexane	4.70	56	331920	52.348	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	352029	50.833	ug/L	98
31) Carbon tetrachloride	4.86	117	293201	50.348	ug/L	99
33) Benzene	5.13	78	832202	51.282	ug/L	100
34) Trichloroethene	5.94	95	213687	49.156	ug/L	98
35) Methylcyclohexane	6.15	83	326937	49.246	ug/L	98
37) 1,2-Dichloropropane	6.20	63	214640	52.740	ug/L	100
38) Bromodichloromethane	6.53	83	301875	50.477	ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	316365	46.495	ug/L	96
40) 4-Methyl-2-pentanone	7.25	43	621541	103.770	ug/L	100
42) Toluene	7.41	91	938558	52.329	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	311414	47.362	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	214335	52.079	ug/L	98
46) Tetrachloroethene	8.00	164	141162	50.187	ug/L	99
48) 2-Hexanone	8.16	43	497646	108.747	ug/L	99
49) Dibromochloromethane	8.27	129	230388	51.709	ug/L	100
50) 1,2-Dibromoethane	8.38	107	229163	52.139	ug/L	98
51) Chlorobenzene	8.90	112	606176	51.904	ug/L	100
52) Ethylbenzene	9.03	91	1069586	52.688	ug/L	99
53) m,p-Xylene	9.16	106	407519	52.179	ug/L	98
54) o-xylene	9.57	106	398300	51.201	ug/L	99
55) Styrene	9.58	104	687802	52.473	ug/L	100
56) Isopropylbenzene	9.95	105	1055208	52.868	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	357339	52.834	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	288269	52.312	ug/L	100
61) Bromoform	9.75	173	146705	51.522	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	435388	51.780	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	433826	51.338	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	441858	51.259	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	94555	52.622	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	268440	50.290	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	250388	50.437	ug/L	100
69) Naphthalene	13.53	128	1050068	52.470	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	265853	52.224	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 51.965 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

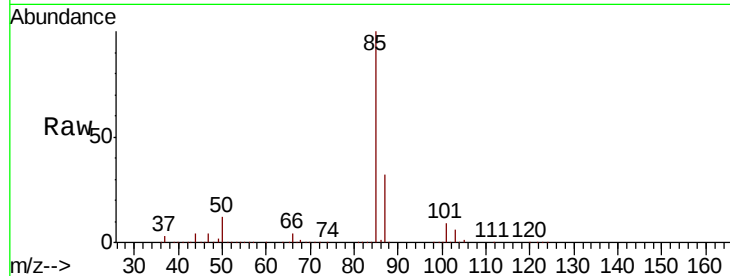
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 227670

Ion Ratio Lower Upper

85 100

87 32.4 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV015238.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV015238.D (-7) (-)

1.14

250000

200000

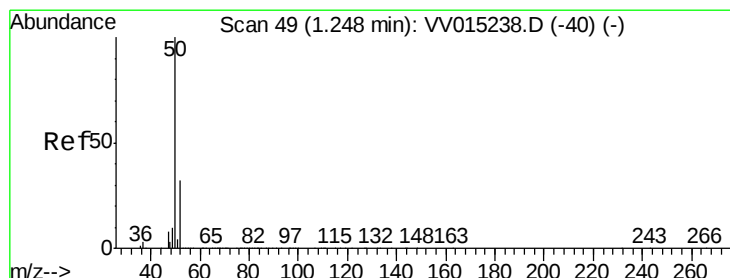
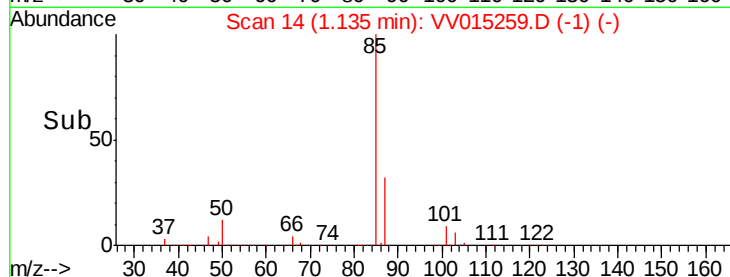
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 51.654 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015259.D

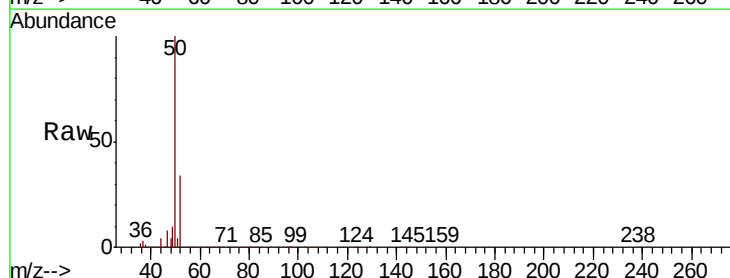
Acq: 28 Mar 2020 20:31

Tgt Ion: 50 Resp: 257474

Ion Ratio Lower Upper

50 100

52 34.1 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV015238.D (-40) (-)

Ion 52.00 (51.70 to 52.70): VV015238.D (-40) (-)

1.25

250000

200000

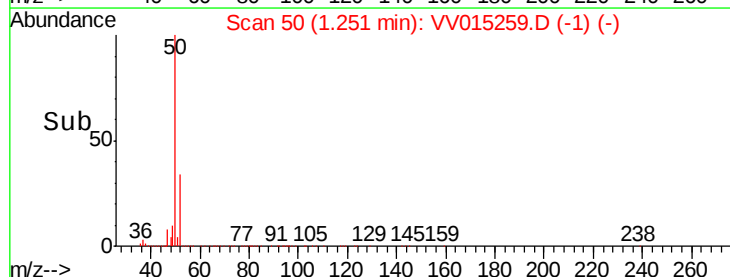
150000

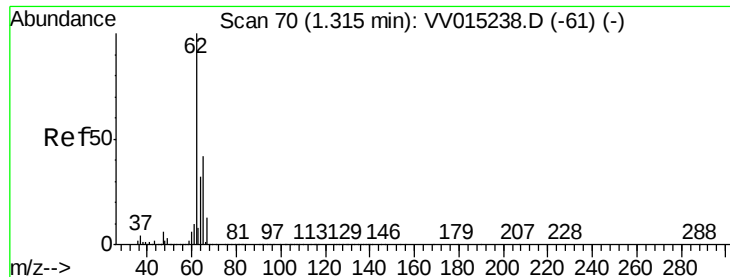
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 52.101 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

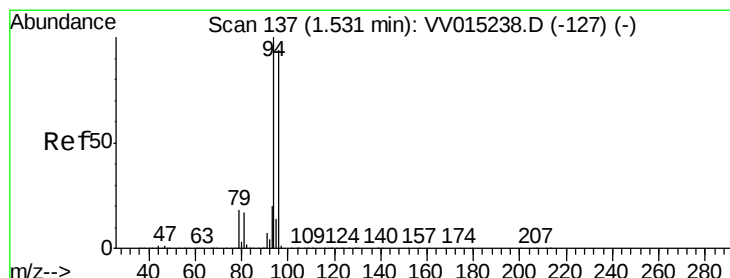
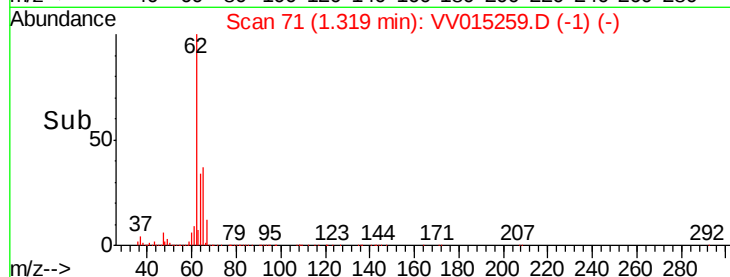
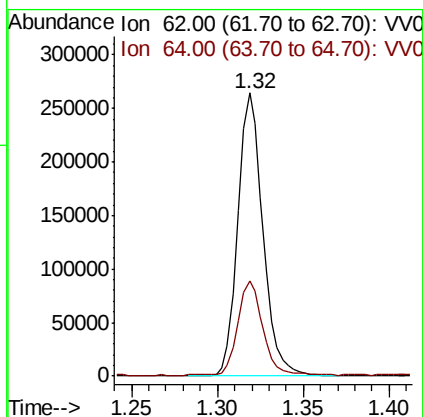
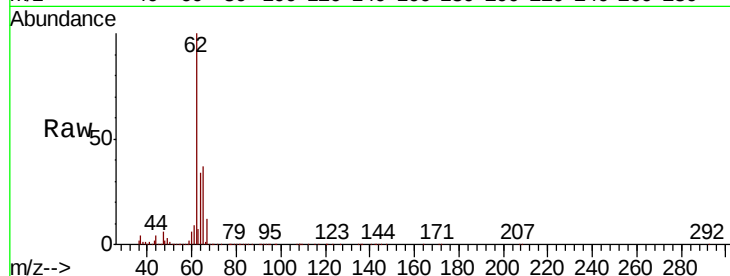
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 267404

Ion Ratio Lower Upper

62 100

64 33.8 23.5 43.7



#6

Bromomethane

Concen: 48.629 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015259.D

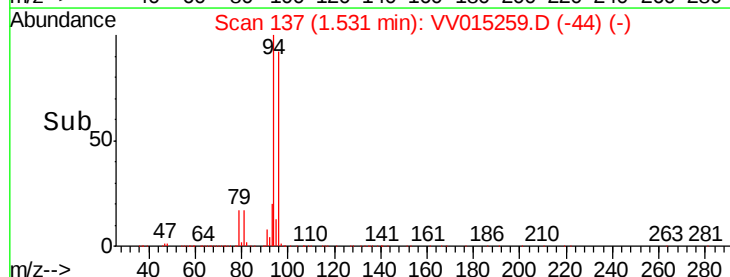
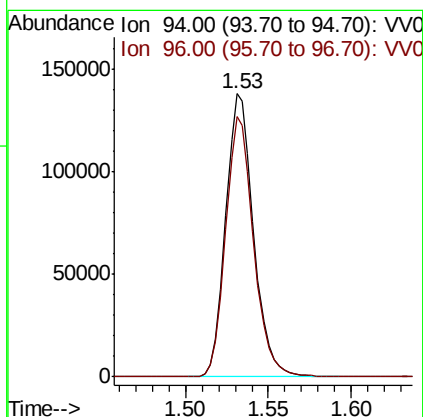
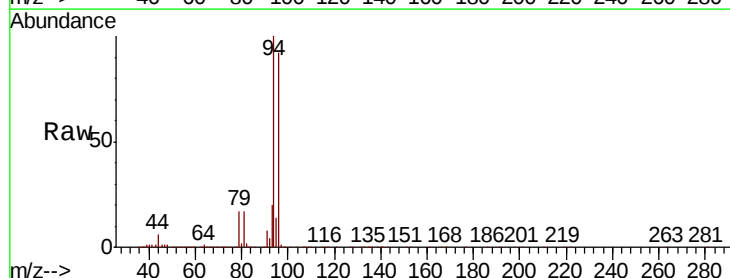
Acq: 28 Mar 2020 20:31

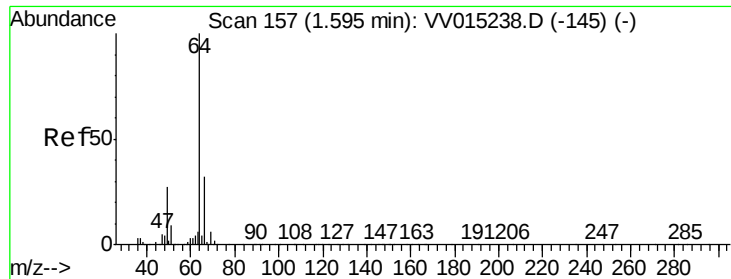
Tgt Ion: 94 Resp: 161141

Ion Ratio Lower Upper

94 100

96 91.8 66.6 123.6





#8

Chloroethane

Concen: 52.611 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

Instrument :

MSVOA_V

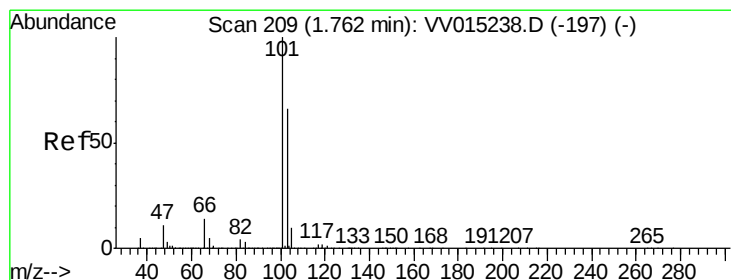
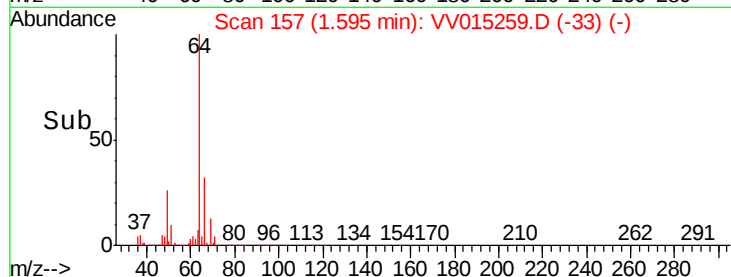
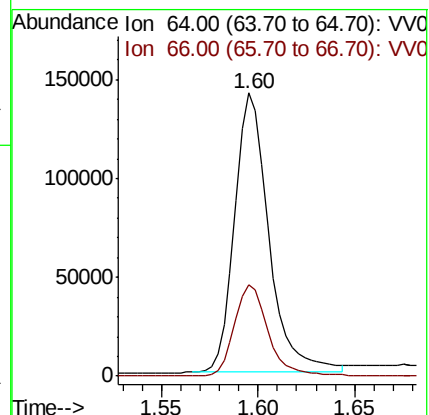
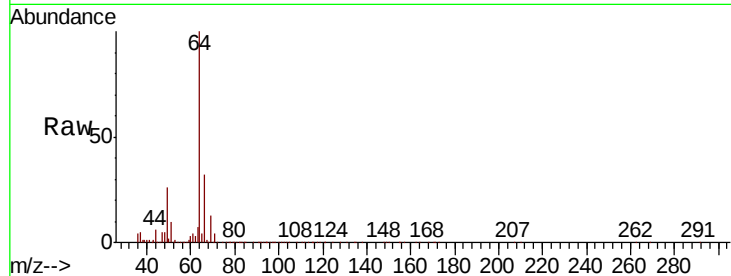
ClientSampleId :

Tot Ion: 64 Resp: 173851

Ion Ratio Lower Upper

64 100

66 32.2 22.1 41.1



#9

Trichlorofluoromethane

Concen: 55.245 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV015259.D

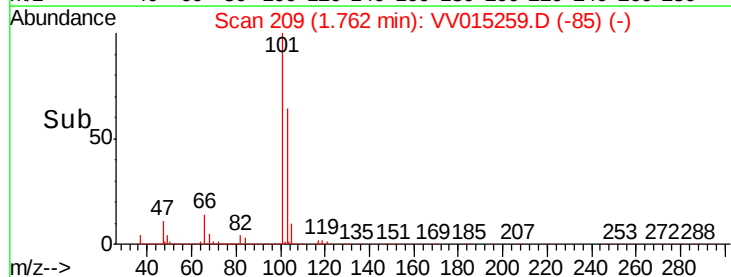
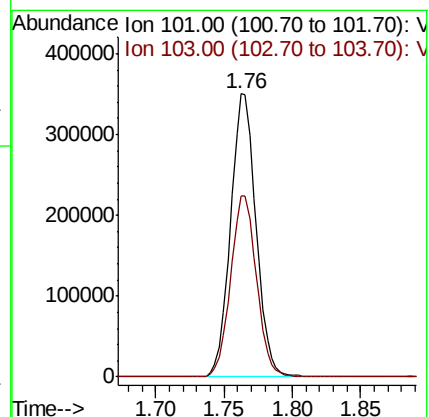
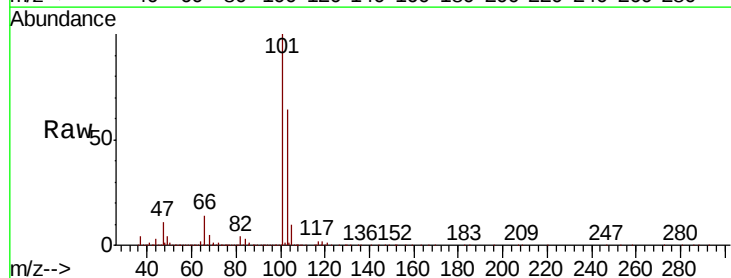
Acq: 28 Mar 2020 20:31

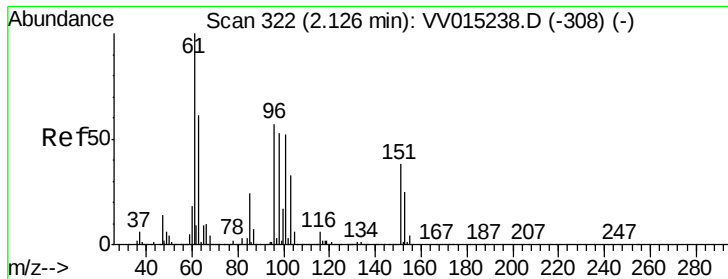
Tgt Ion: 101 Resp: 454268

Ion Ratio Lower Upper

101 100

103 65.1 50.8 76.2





#10

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

Concen: 51.798 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

Instrument :

MSVOA_V

ClientSampleId :

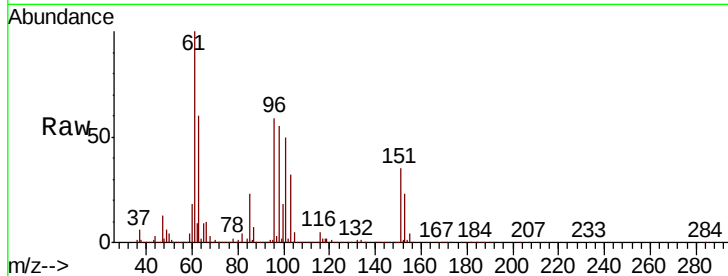
Tot Ion:101 Resp: 224656

Ion Ratio Lower Upper

101 100

85 45.6 36.3 54.5

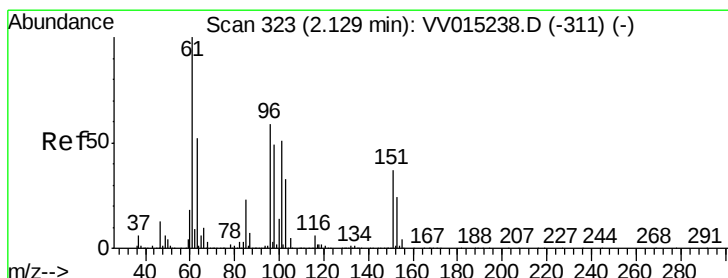
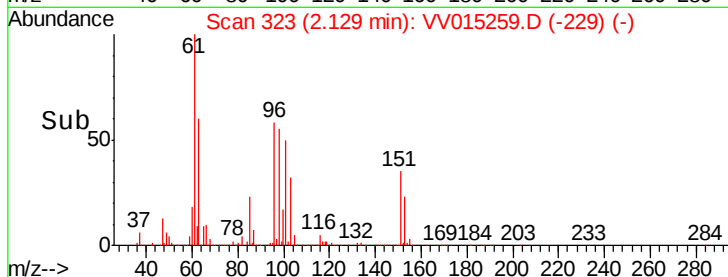
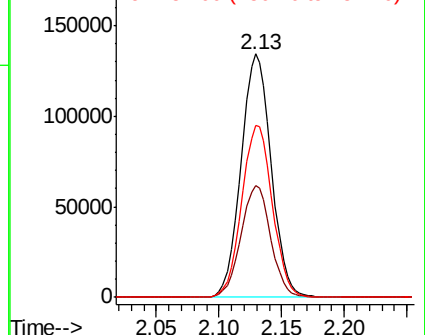
151 71.7 57.8 86.6



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: 52.347 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

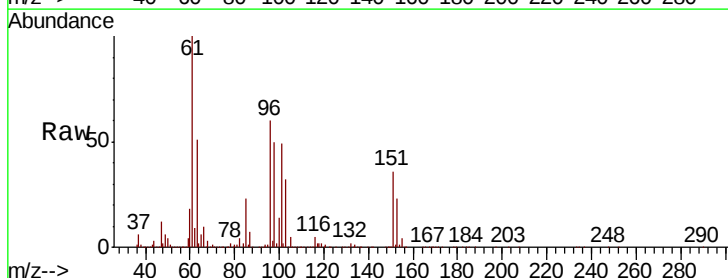
Tgt Ion: 96 Resp: 225465

Ion Ratio Lower Upper

96 100

61 165.7 119.1 221.3

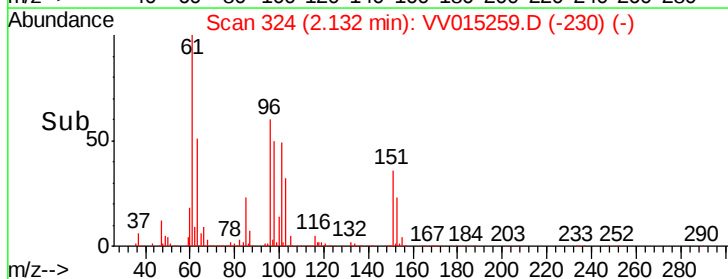
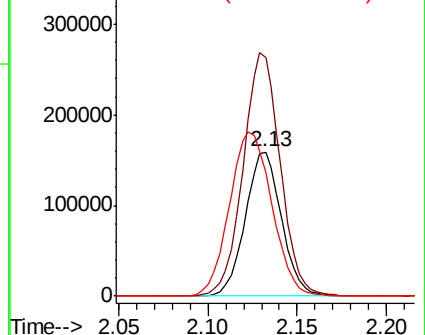
63 85.3 66.0 122.6

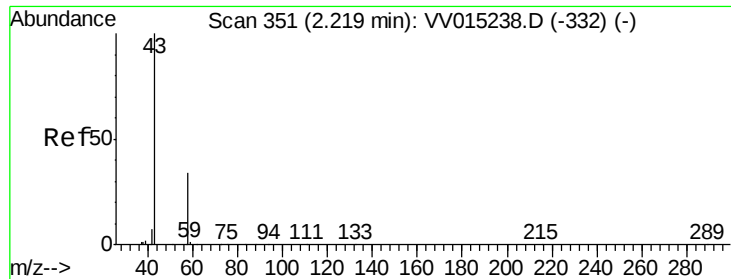


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 116.196 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

Instrument :

MSVOA_V

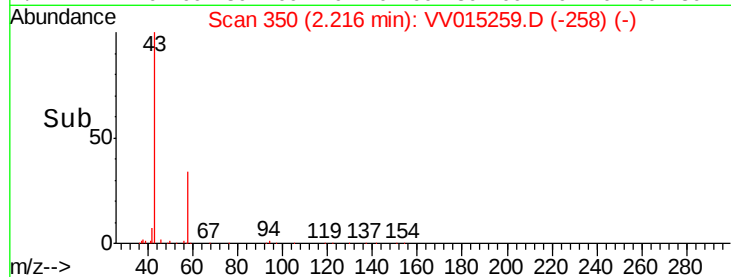
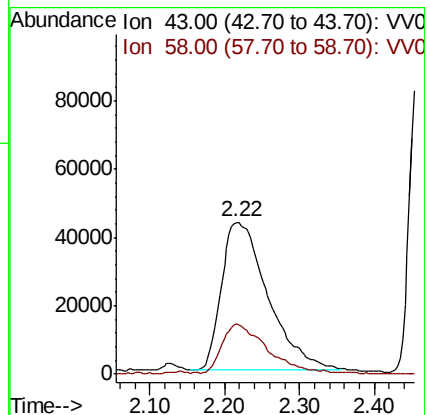
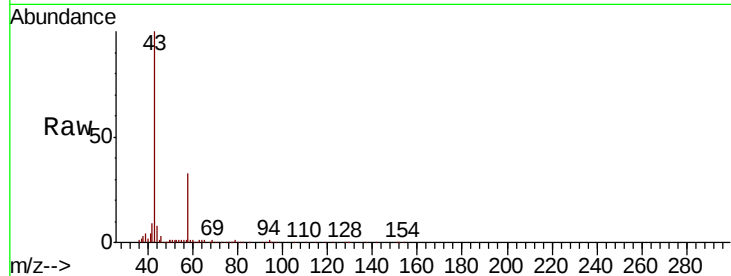
ClientSampleId :

Tot Ion: 43 Resp: 188077

Ion Ratio Lower Upper

43 100

58 31.1 0.0 0.0#



#14

Carbon disulfide

Concen: 49.916 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015259.D

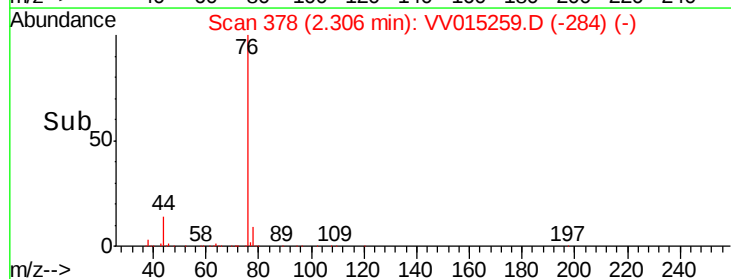
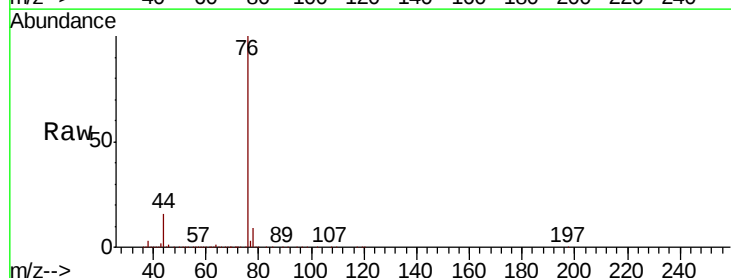
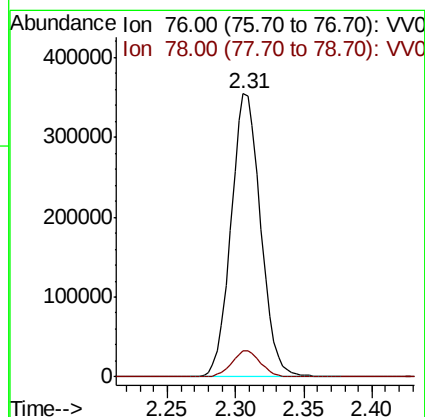
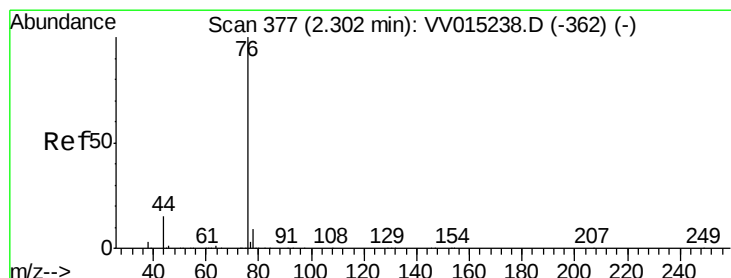
Acq: 28 Mar 2020 20:31

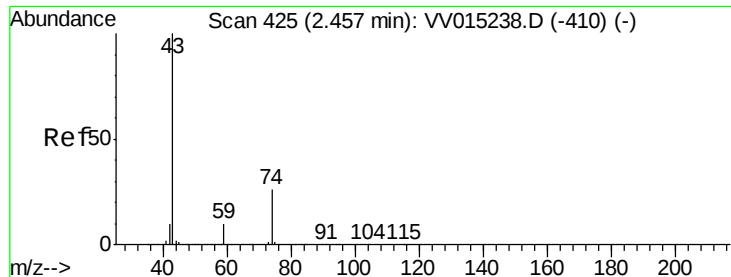
Tgt Ion: 76 Resp: 534378

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





#15

Methyl Acetate

Concen: 54.382 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

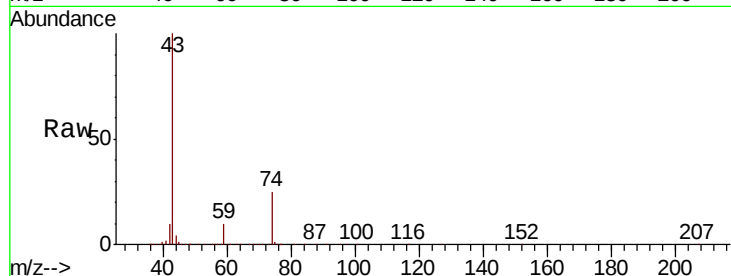
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 212782

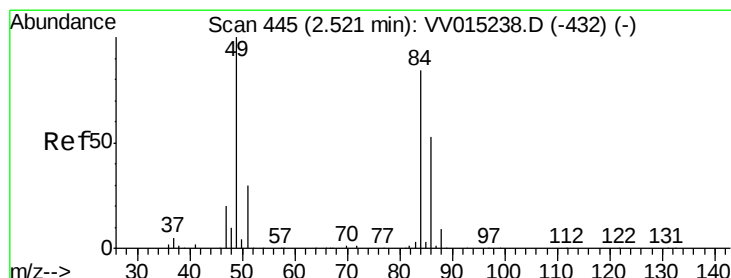
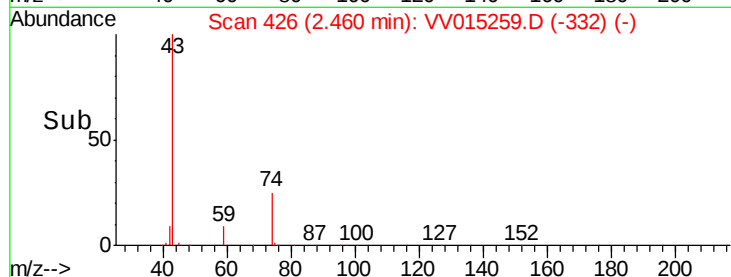
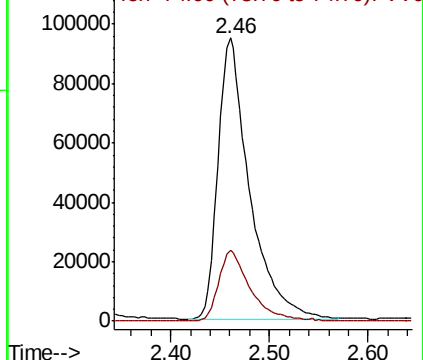
Ion Ratio Lower Upper

43 100

74 24.9 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 50.751 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

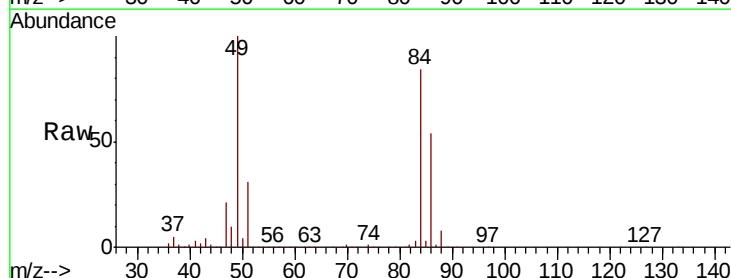
Tgt Ion: 84 Resp: 213503

Ion Ratio Lower Upper

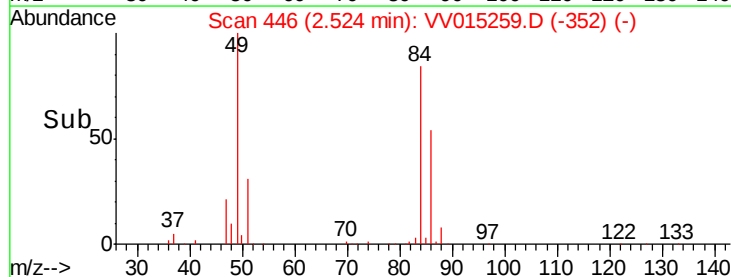
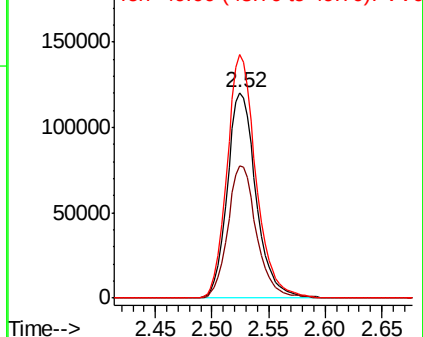
84 100

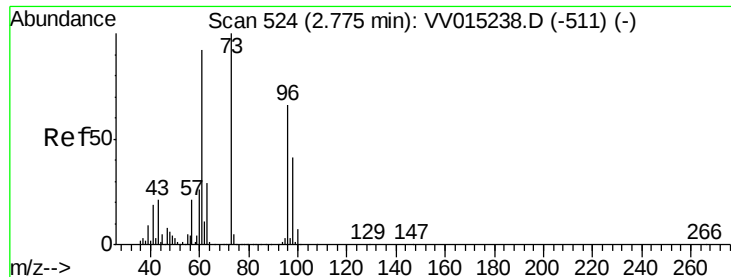
86 64.0 43.8 81.4

49 118.5 84.8 157.4



Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 50.763 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

Instrument :
MSVOA_V
ClientSampleId :

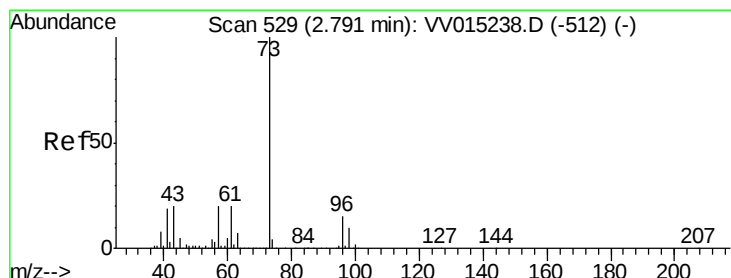
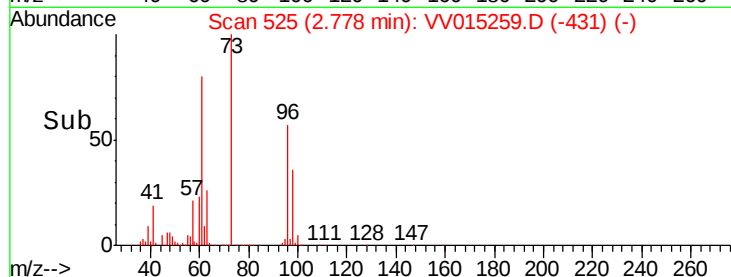
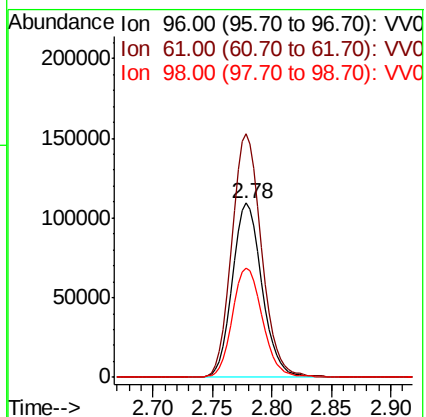
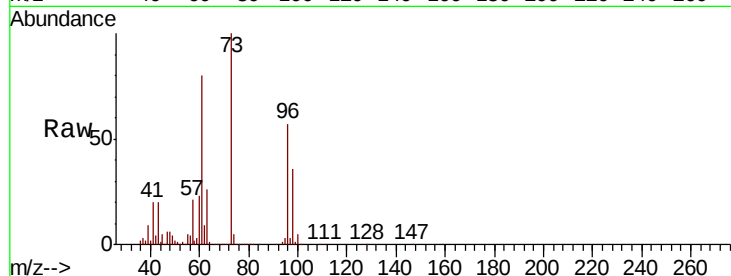
Tot Ion: 96 Resp: 188691

Ion Ratio Lower Upper

96 100

61 139.9 97.9 181.7

98 63.1 43.8 81.4



#18

Methyl tert-butyl Ether

Concen: 52.559 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

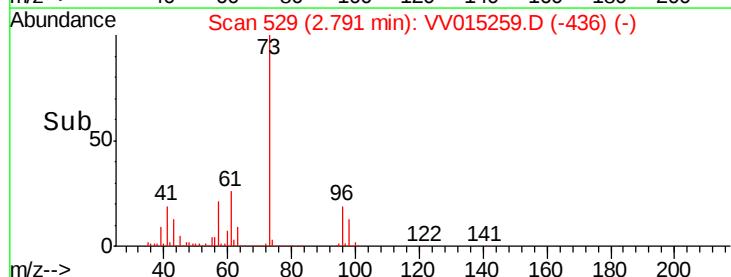
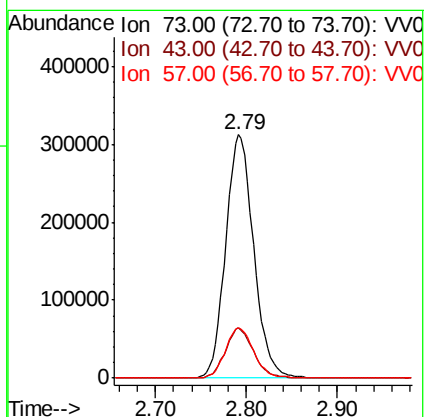
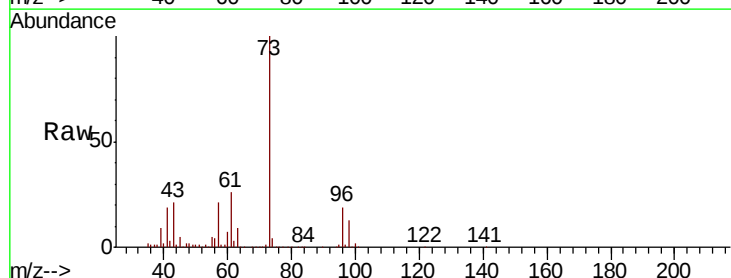
Tgt Ion: 73 Resp: 667852

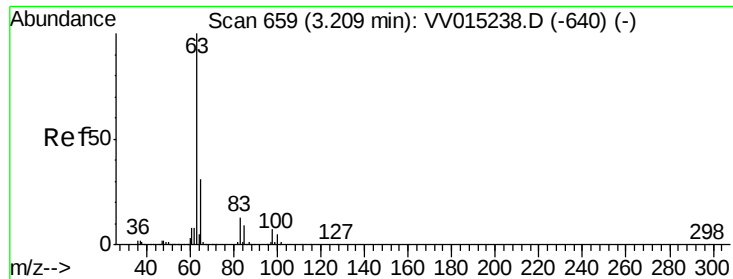
Ion Ratio Lower Upper

73 100

43 20.2 15.5 23.3

57 20.9 16.7 25.1





#19

1,1-Dichloroethane

Concen: 52.984 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

Instrument :

MSVOA_V

ClientSampleId :

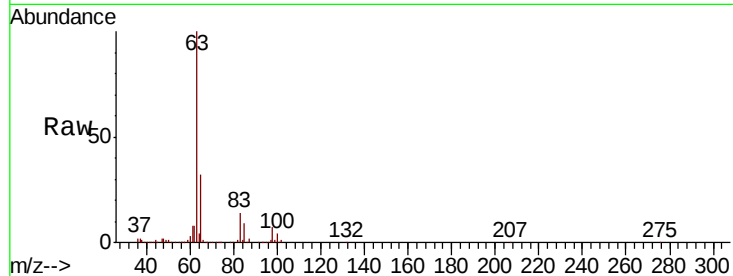
Tot Ion: 63 Resp: 367448

Ion Ratio Lower Upper

63 100

65 31.7 22.8 42.4

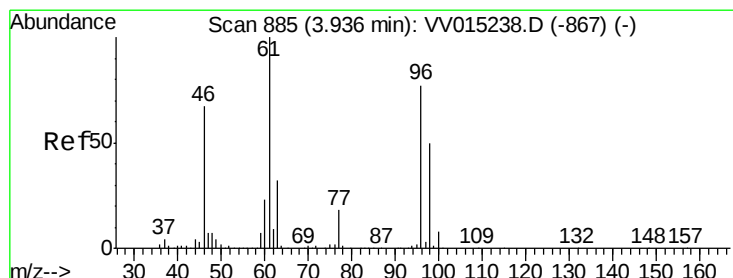
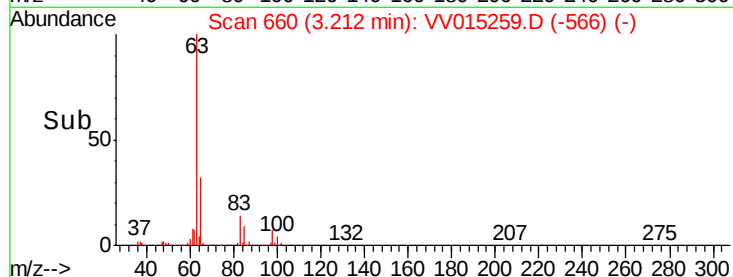
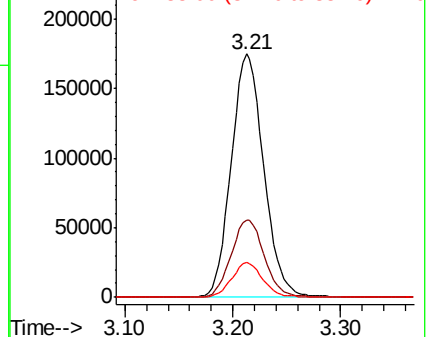
83 14.2 9.7 17.9



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 49.118 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

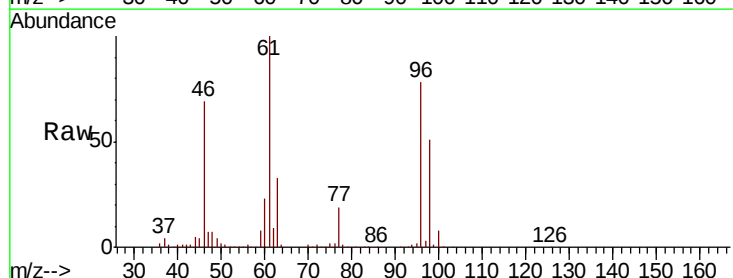
Tgt Ion: 96 Resp: 218147

Ion Ratio Lower Upper

96 100

61 127.7 87.2 162.0

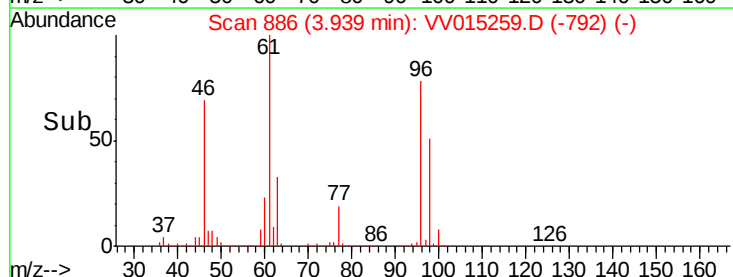
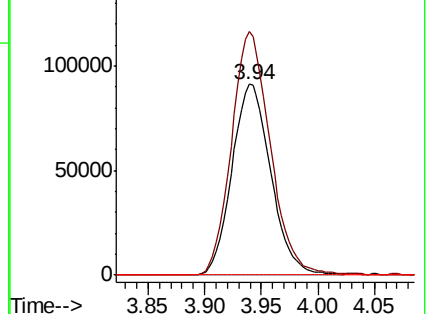
68 0.0 0.1 0.3#

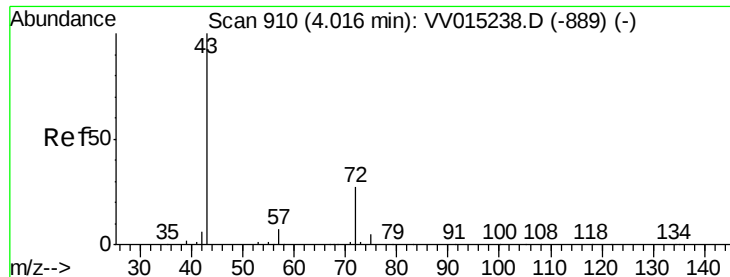


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

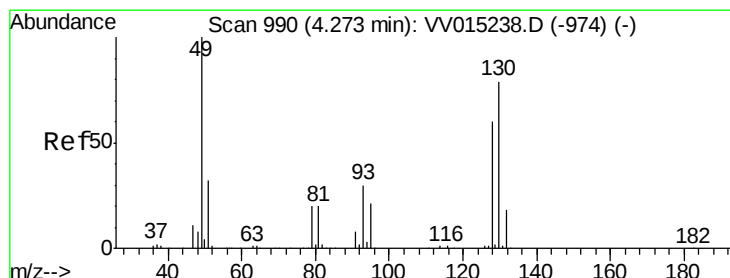
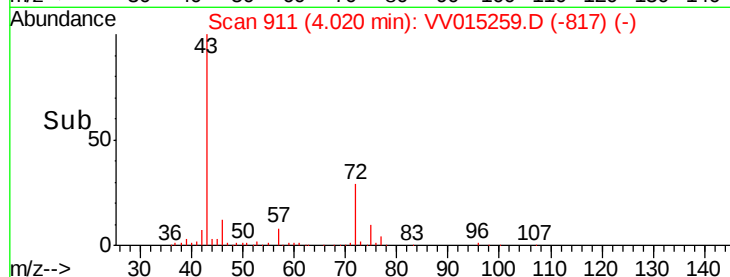
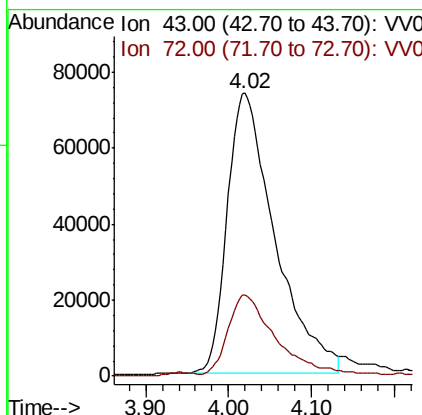
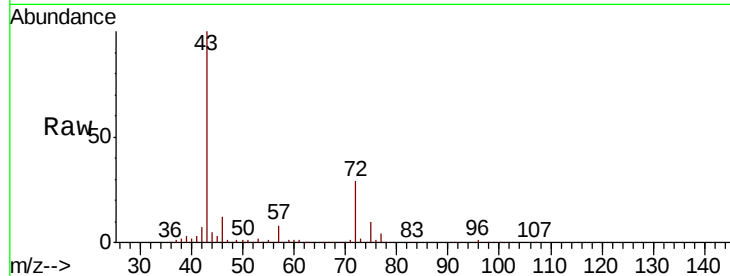




#22
 2-Butanone
 Concen: 111.888 ug/L
 RT: 4.02 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VV015259.D
 Acq: 28 Mar 2020 20:31

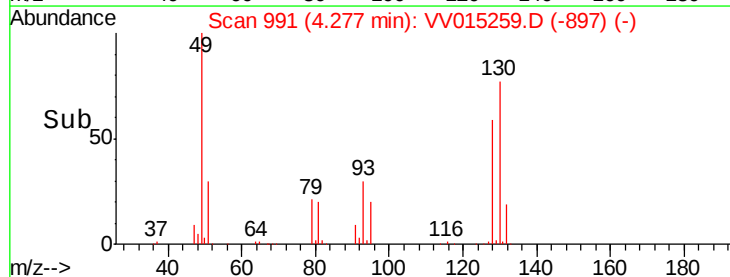
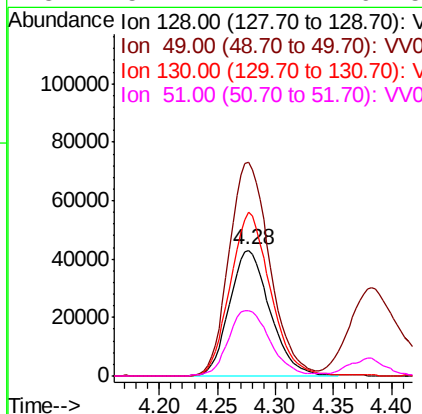
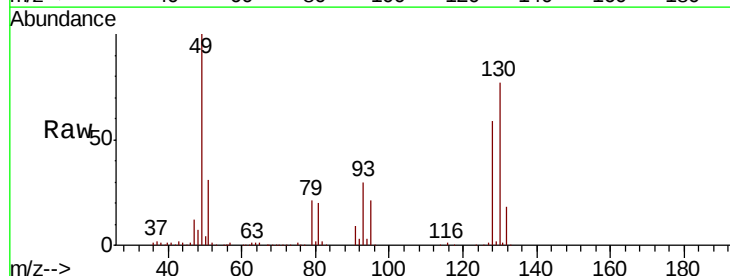
Instrument :
 MSVOA_V
 ClientSampleId :

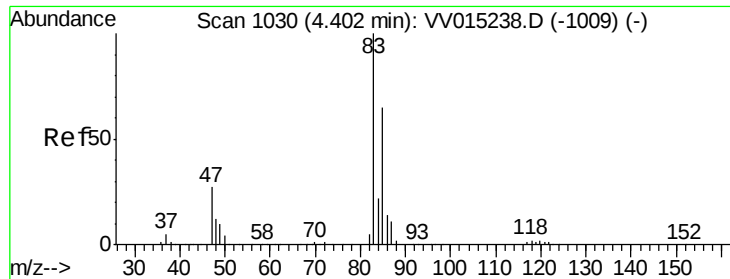
Tot Ion: 43 Resp: 294139
 Ion Ratio Lower Upper
 43 100
 72 28.4 9.8 29.5



#23
 Bromochloromethane
 Concen: 49.985 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VV015259.D
 Acq: 28 Mar 2020 20:31

Tgt Ion: 128 Resp: 104729
 Ion Ratio Lower Upper
 128 100
 49 169.4 120.6 224.0
 130 129.6 89.7 166.5
 51 51.7 41.7 62.5

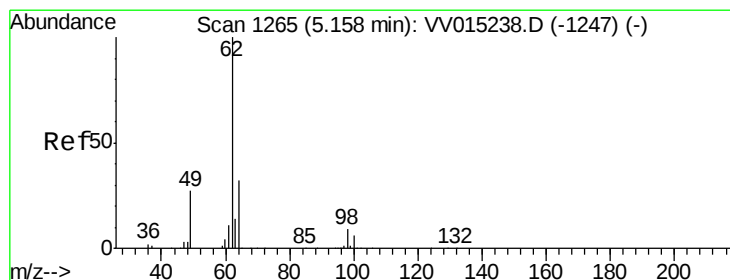
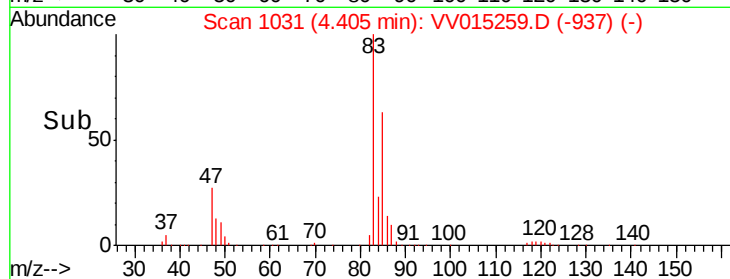
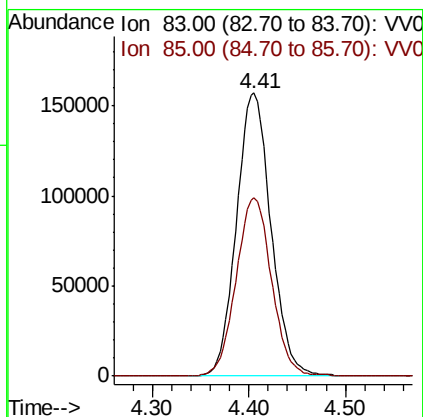
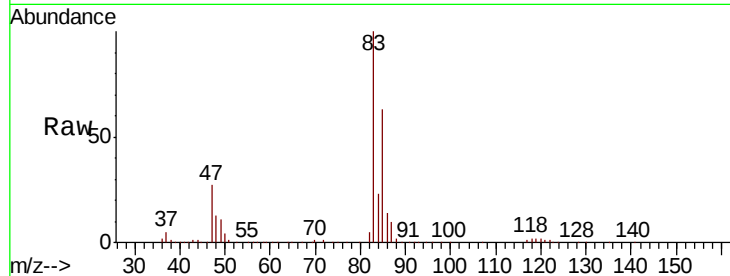




#25
Chloroform
Concen: 52.689 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015259.D
Acq: 28 Mar 2020 20:31

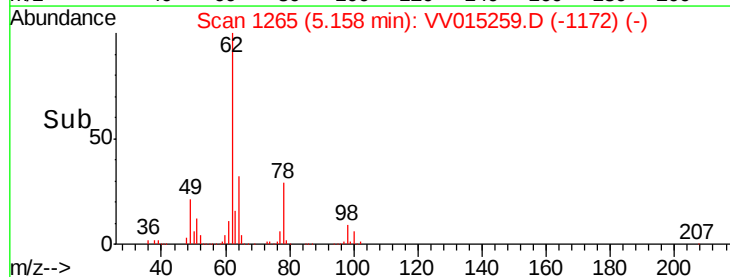
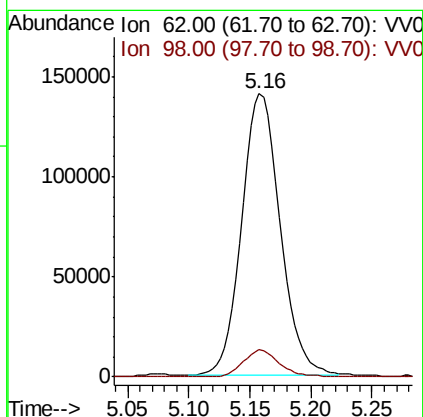
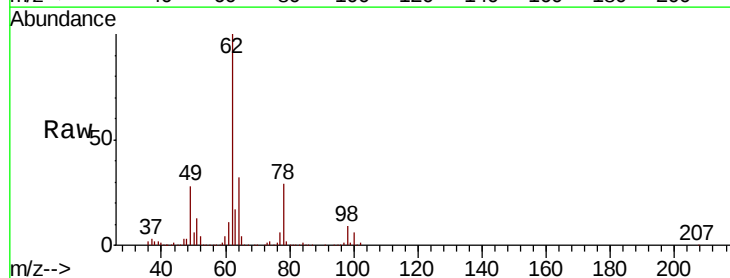
Instrument :
MSVOA_V
ClientSampleId :

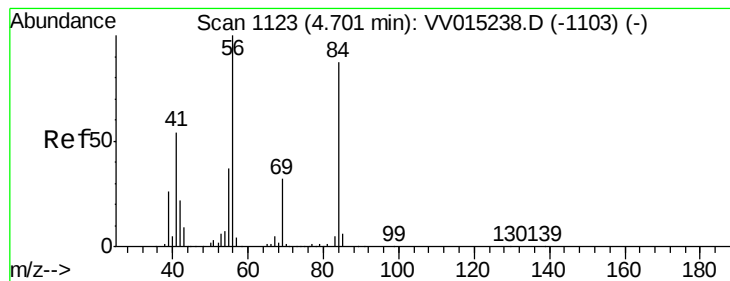
Tot Ion: 83 Resp: 390061
Ion Ratio Lower Upper
83 100
85 62.9 46.2 85.8



#27
1,2-Dichloroethane
Concen: 53.798 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015259.D
Acq: 28 Mar 2020 20:31

Tgt Ion: 62 Resp: 307230
Ion Ratio Lower Upper
62 100
98 9.5 7.4 11.0





#29

Cyclohexane

Concen: 52.348 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

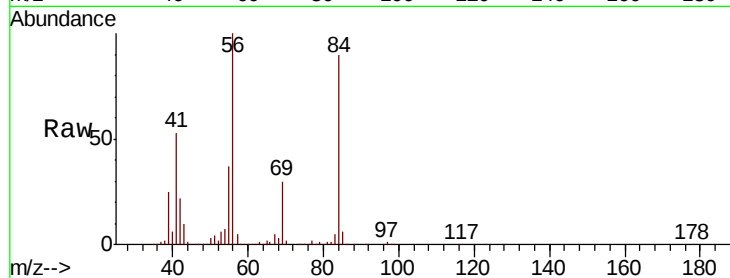
Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 56 Resp: 331920

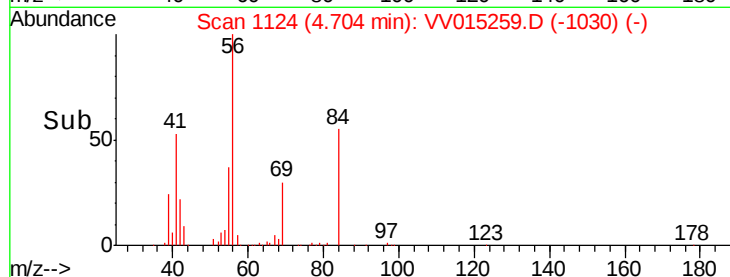
Ion	Ratio	Lower	Upper
56	100		
69	31.0	25.8	38.6
84	90.5	72.5	108.7



Abundance Ion 56.00 (55.70 to 56.70): VV015238.D (-1103) (-)

Ion 69.00 (68.70 to 69.70): VV015238.D (-1103) (-)

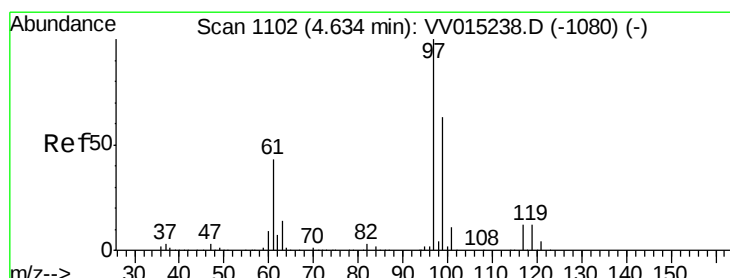
Ion 84.00 (83.70 to 84.70): VV015238.D (-1103) (-)



Abundance Ion 56.00 (55.70 to 56.70): VV015259.D (-1030) (-)

Ion 69.00 (68.70 to 69.70): VV015259.D (-1030) (-)

Ion 84.00 (83.70 to 84.70): VV015259.D (-1030) (-)



#30

1,1,1-Trichloroethane

Concen: 50.833 ug/L

RT: 4.64 min Scan# 1103

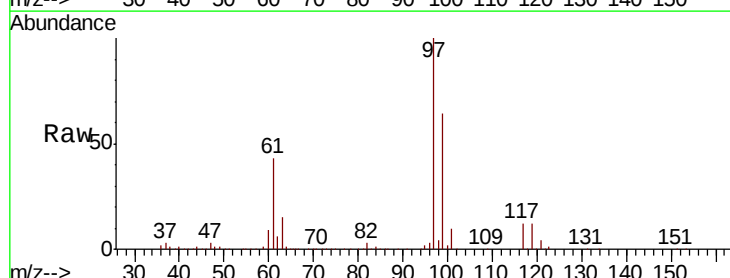
Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

Tgt Ion: 97 Resp: 352029

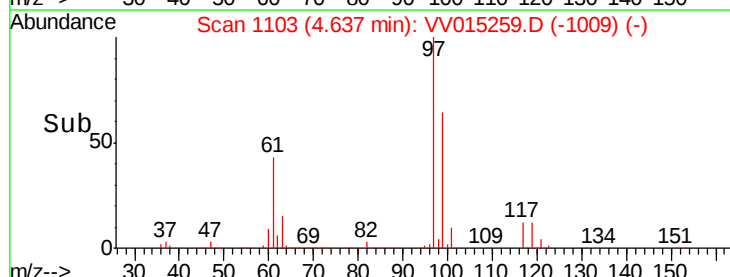
Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.6	75.8
61	43.6	33.4	50.2



Abundance Ion 97.00 (96.70 to 97.70): VV015238.D (-1080) (-)

Ion 99.00 (98.70 to 99.70): VV015238.D (-1080) (-)

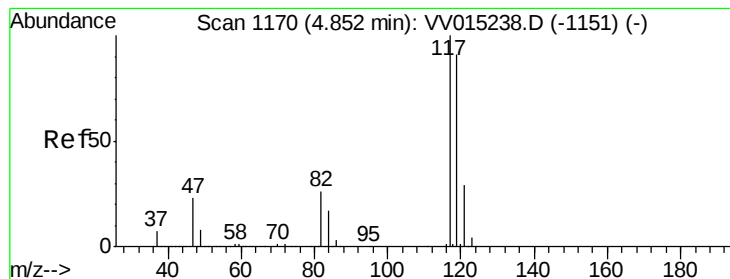
Ion 61.05 (60.75 to 61.75): VV015238.D (-1080) (-)



Abundance Ion 97.00 (96.70 to 97.70): VV015259.D (-1009) (-)

Ion 99.00 (98.70 to 99.70): VV015259.D (-1009) (-)

Ion 61.05 (60.75 to 61.75): VV015259.D (-1009) (-)



#31

Carbon tetrachloride

Concen: 50.348 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

Instrument :

MSVOA_V

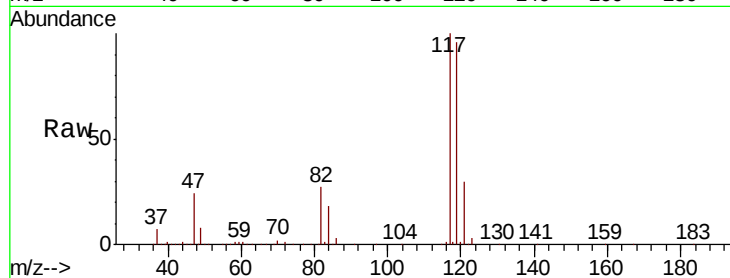
ClientSampleId :

Tot Ion:117 Resp: 293201

Ion Ratio Lower Upper

117 100

119 95.7 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.86

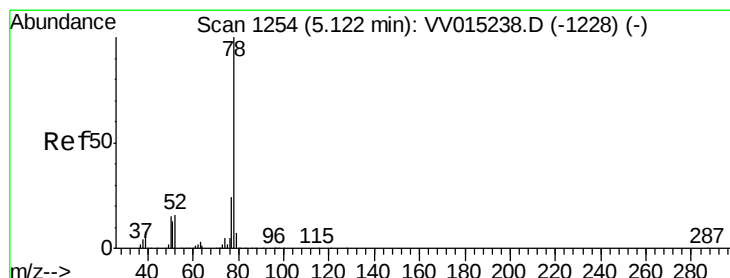
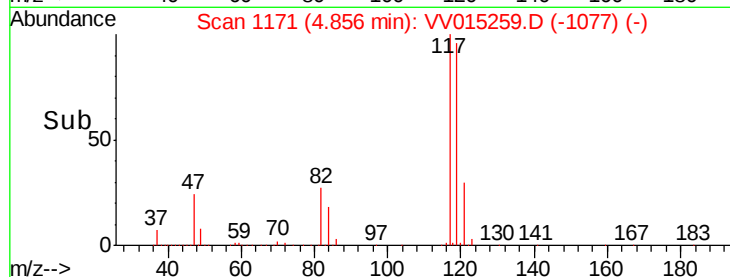
100000

50000

0

Time-->

4.75 4.80 4.85 4.90 4.95



#33

Benzene

Concen: 51.282 ug/L

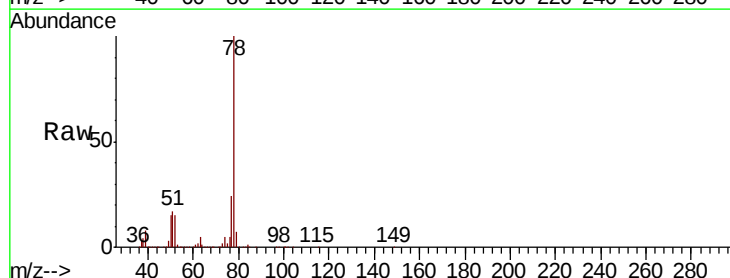
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

Tgt Ion: 78 Resp: 832202



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.13

400000

300000

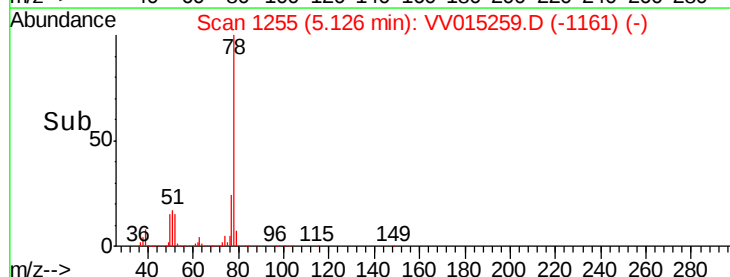
200000

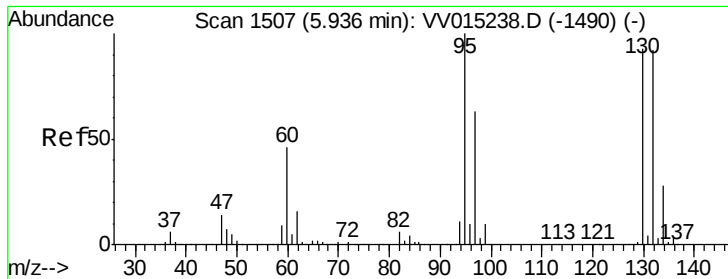
100000

0

Time-->

5.00 5.10 5.20





#34

Trichloroethene

Concen: 49.156 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 213687

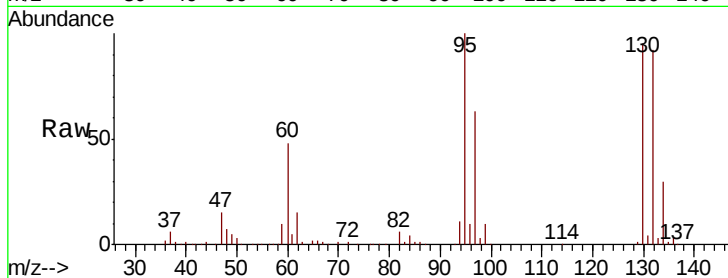
Ion Ratio Lower Upper

95 100

97 63.2 45.7 84.9

132 92.3 66.2 123.0

130 94.6 67.6 125.6

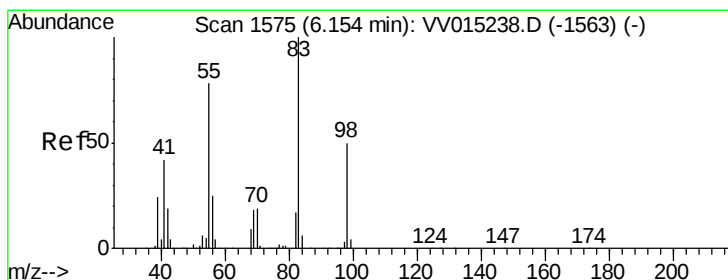
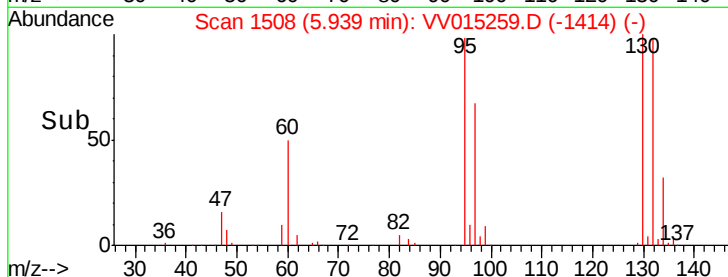
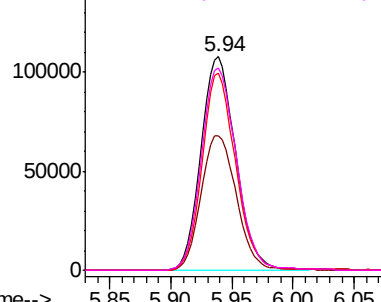


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 49.246 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

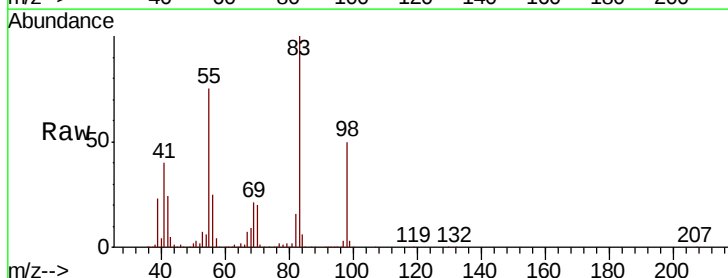
Tgt Ion: 83 Resp: 326937

Ion Ratio Lower Upper

83 100

55 75.0 58.2 87.2

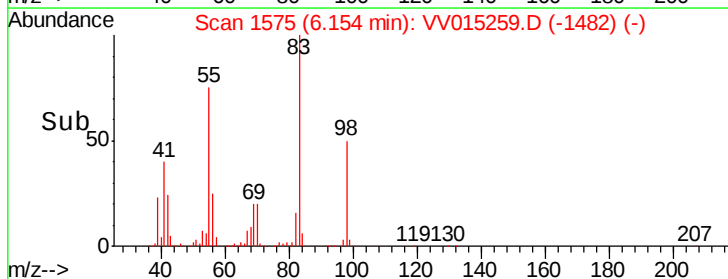
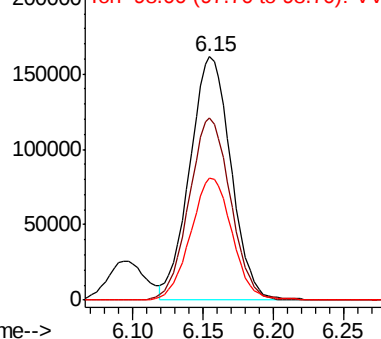
98 51.0 41.0 61.4

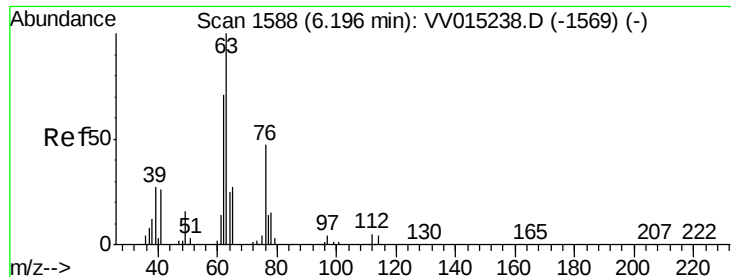


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 52.740 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

Instrument :

MSVOA_V

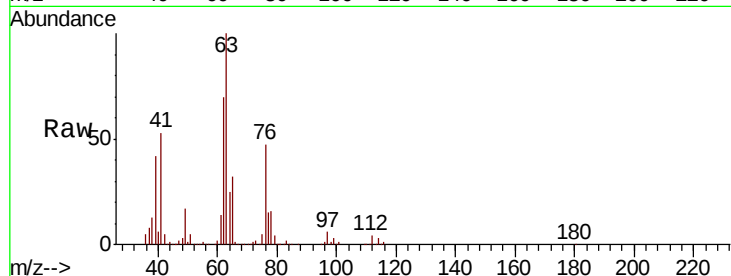
ClientSampleId :

Tot Ion: 63 Resp: 214640

Ion Ratio Lower Upper

63 100

112 4.3 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VV015238.D (-1569) (-)

Ion 112.00 (111.70 to 112.70): VV015238.D (-1569) (-)

6.20

120000

100000

80000

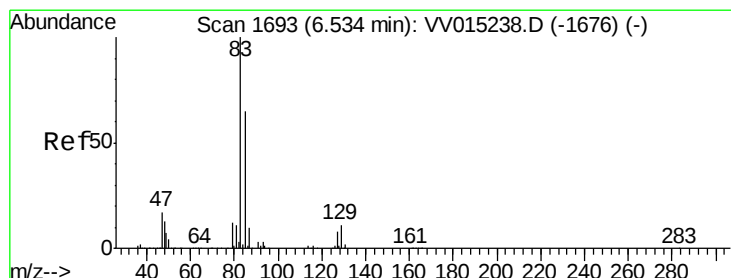
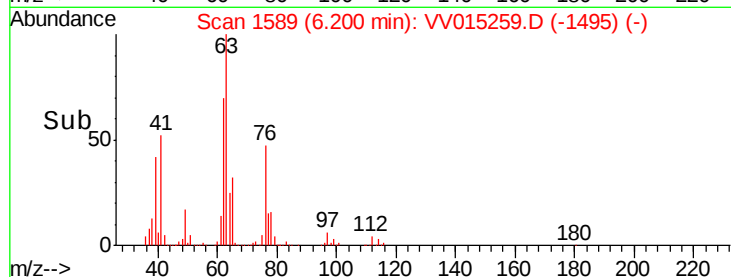
60000

40000

20000

0

Time-->



#38

Bromodichloromethane

Concen: 50.477 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

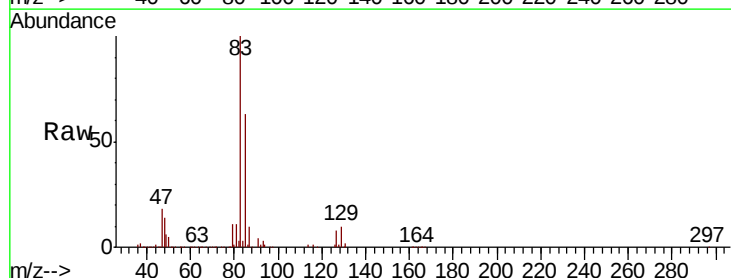
Tgt Ion: 83 Resp: 301875

Ion Ratio Lower Upper

83 100

85 62.9 46.3 85.9

127 8.1 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VV015238.D (-1676) (-)

Ion 85.00 (84.70 to 85.70): VV015238.D (-1676) (-)

Ion 127.00 (126.70 to 127.70): VV015238.D (-1676) (-)

6.53

200000

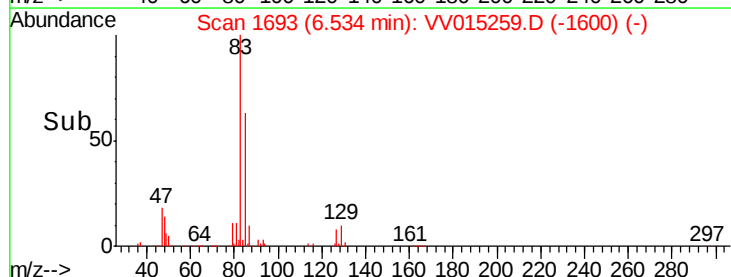
150000

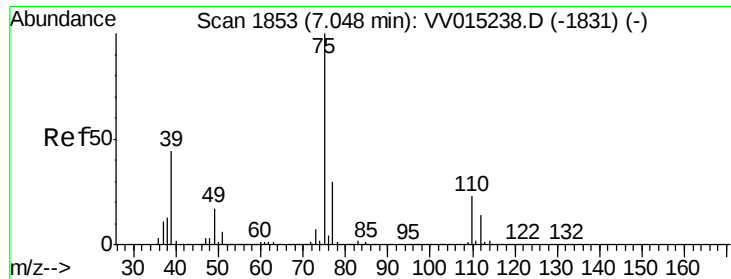
100000

50000

0

Time-->



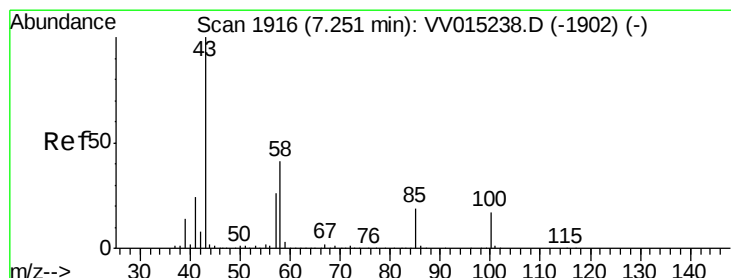
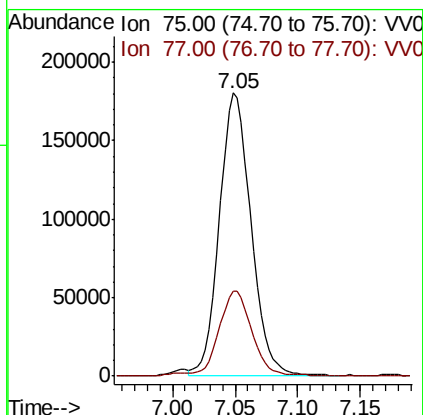
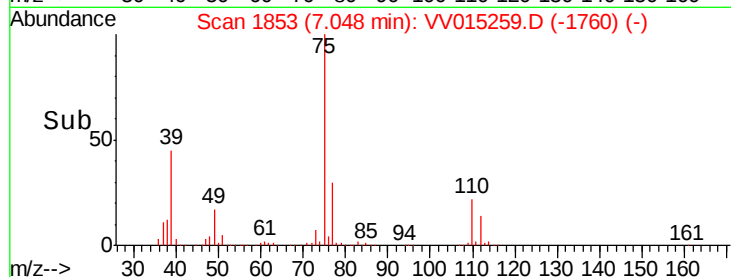
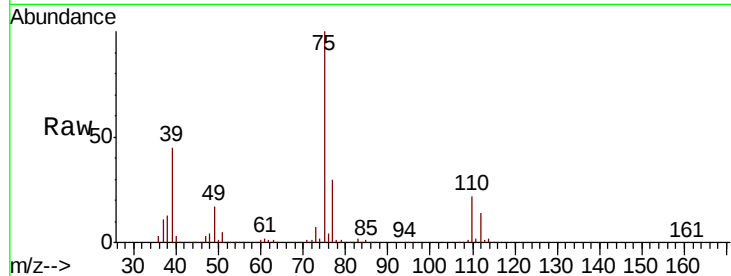


#39

cis-1,3-Dichloropropene
Concen: 46.495 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV015259.D
Acq: 28 Mar 2020 20:31

Instrument :
MSVOA_V
ClientSampleId :

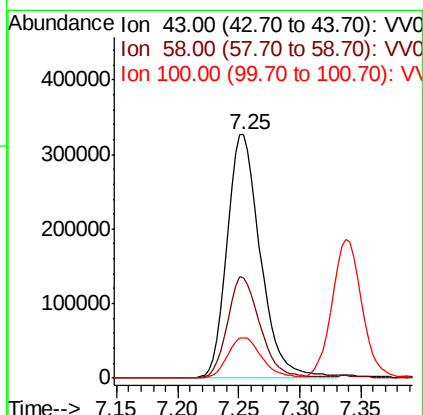
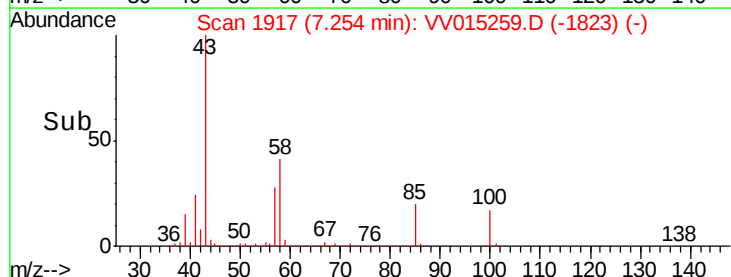
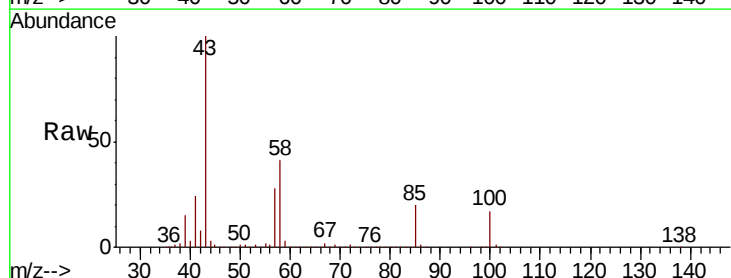
Tot Ion: 75 Resp: 316365
Ion Ratio Lower Upper
75 100
77 29.9 22.5 41.9

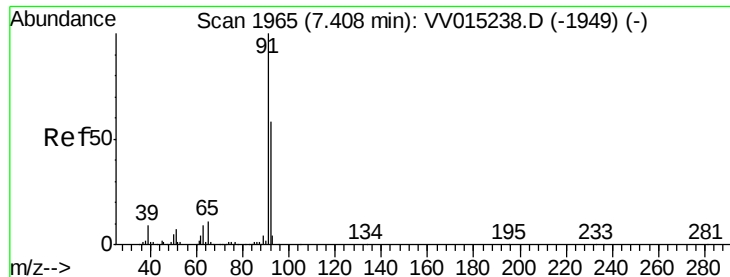


#40

4-Methyl-2-pentanone
Concen: 103.770 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VV015259.D
Acq: 28 Mar 2020 20:31

Tgt Ion: 43 Resp: 621541
Ion Ratio Lower Upper
43 100
58 40.8 32.5 48.7
100 17.0 13.4 20.0





#42

Toluene

Concen: 52.329 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

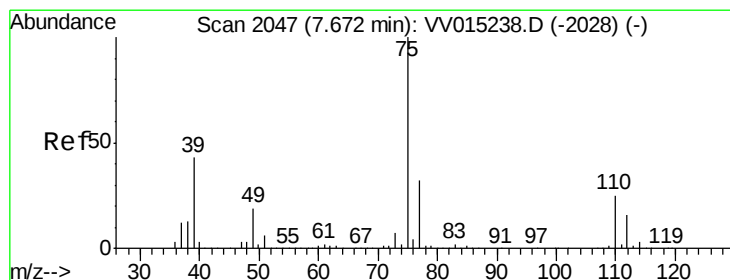
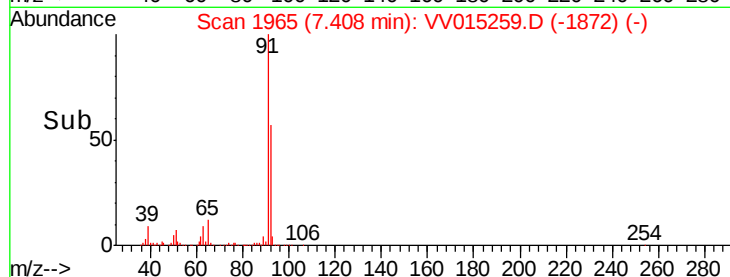
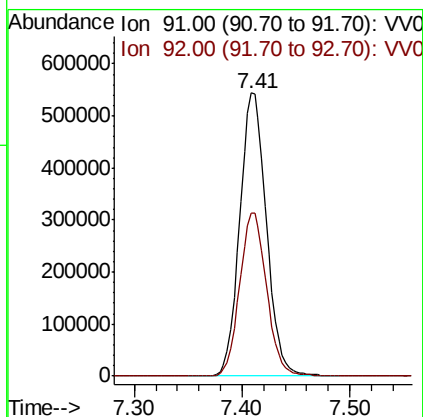
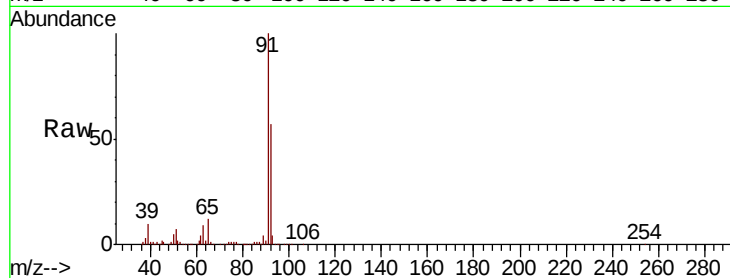
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 938558

Ion Ratio Lower Upper

91 100

92 57.5 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 47.362 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015259.D

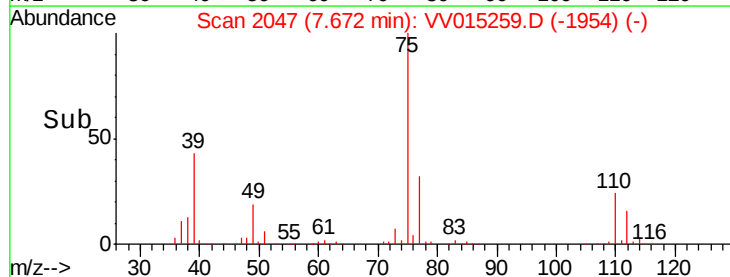
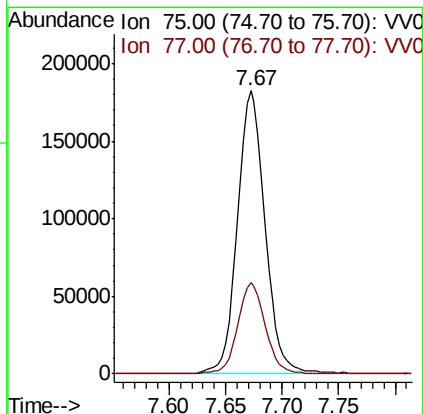
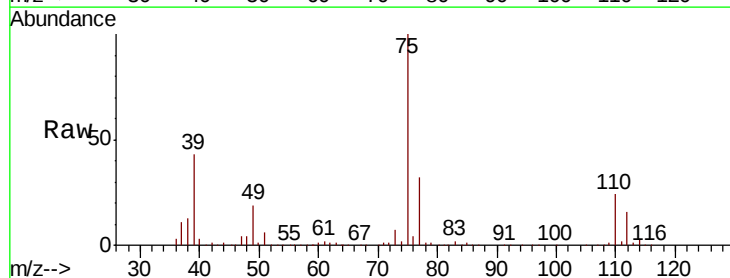
Acq: 28 Mar 2020 20:31

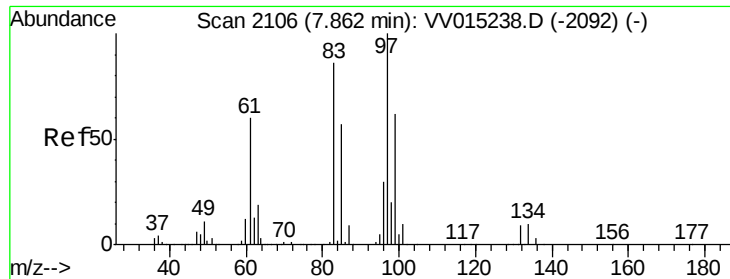
Tgt Ion: 75 Resp: 311414

Ion Ratio Lower Upper

75 100

77 32.2 22.3 41.5

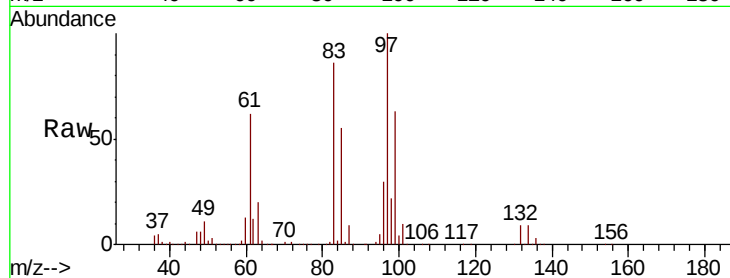




#45
1,1,2-Trichloroethane
Concen: 52.079 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV015259.D
Acq: 28 Mar 2020 20:31

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	214335
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.3	80.3
83	85.7	62.1	115.3
85	55.3	40.0	74.2



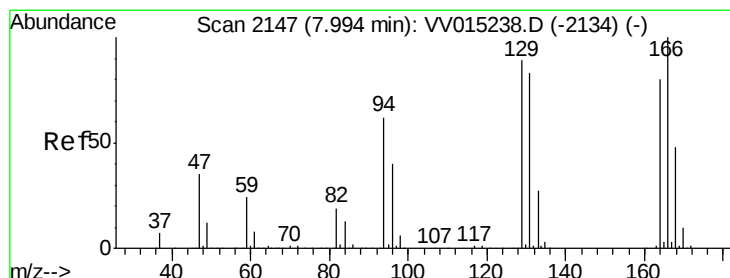
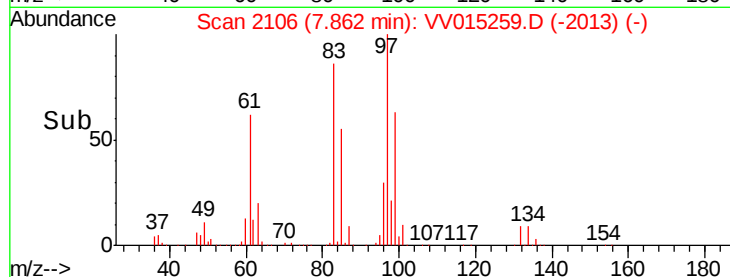
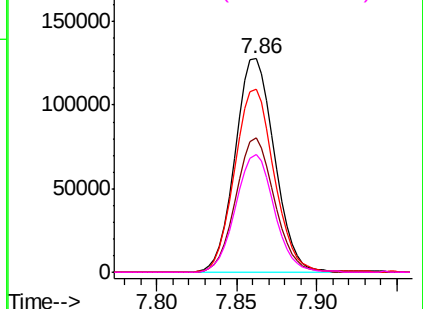
Abundance

Ion 97.00 (96.70 to 97.70): VV015259.D (-2092) (-)

Ion 99.00 (98.70 to 99.70): VV015259.D (-2092) (-)

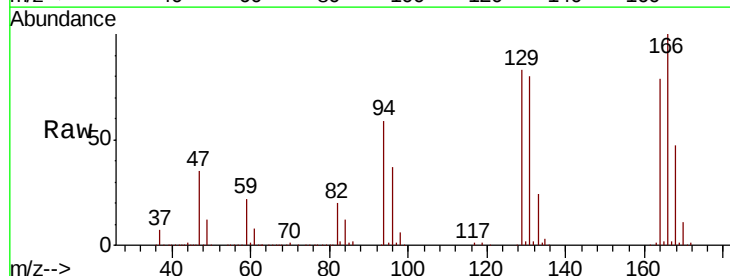
Ion 83.00 (82.70 to 83.70): VV015259.D (-2092) (-)

Ion 85.00 (84.70 to 85.70): VV015259.D (-2092) (-)



#46
Tetrachloroethene
Concen: 50.187 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV015259.D
Acq: 28 Mar 2020 20:31

Tgt Ion:	164	Resp:	141162
Ion	Ratio	Lower	Upper
164	100		
129	105.3	75.3	139.9
131	100.9	71.8	133.4
166	126.3	87.9	163.3



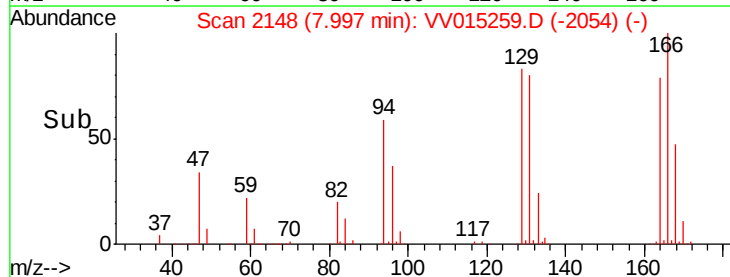
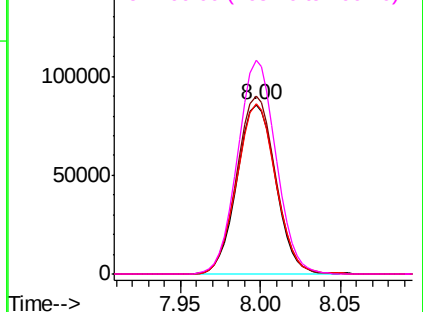
Abundance

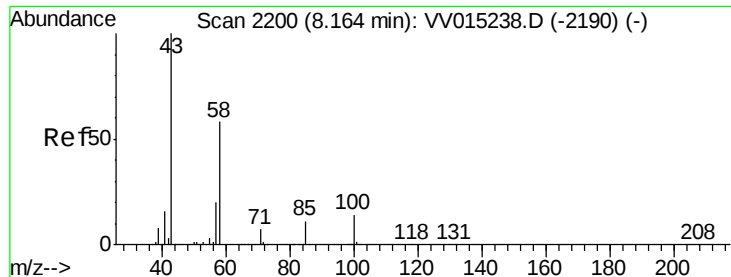
Ion 164.00 (163.70 to 164.70): VV015259.D (-2134) (-)

Ion 129.00 (128.70 to 129.70): VV015259.D (-2134) (-)

Ion 131.00 (130.70 to 131.70): VV015259.D (-2134) (-)

Ion 166.00 (165.70 to 166.70): VV015259.D (-2134) (-)

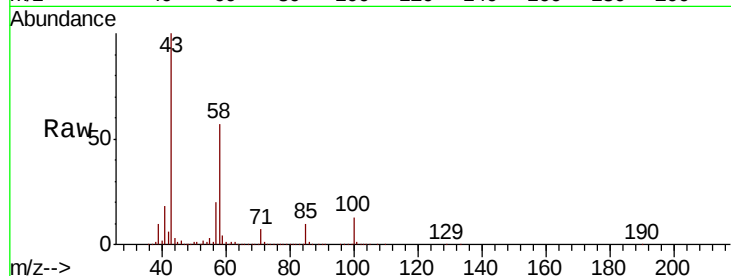




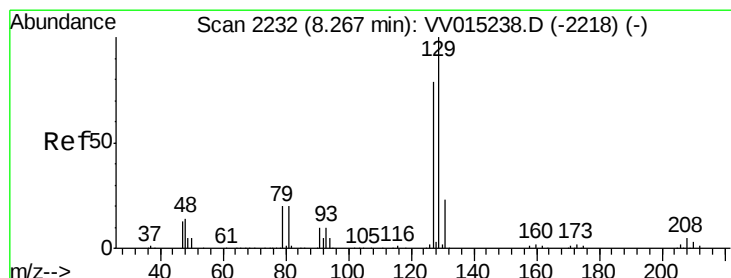
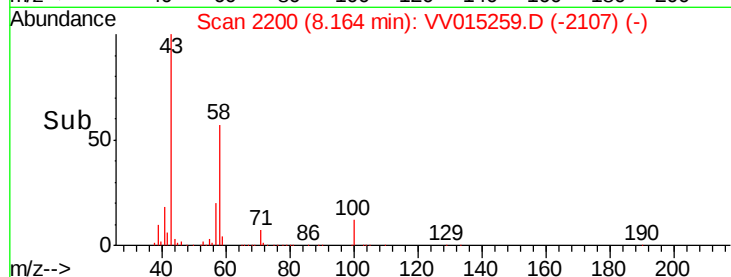
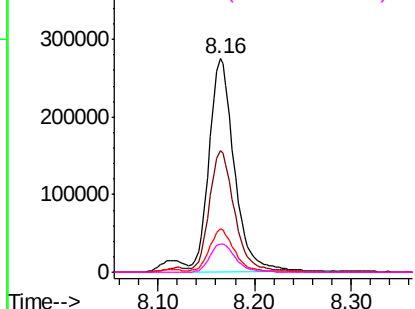
#48
2-Hexanone
Concen: 108.747 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015259.D
Acq: 28 Mar 2020 20:31

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 497646
Ion Ratio Lower Upper
43 100
58 57.2 45.5 68.3
57 20.4 15.8 23.6
100 13.5 10.9 16.3

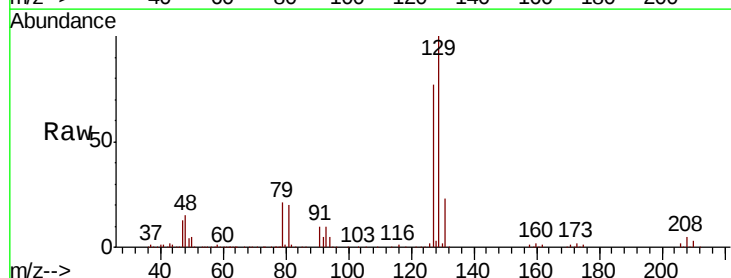


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

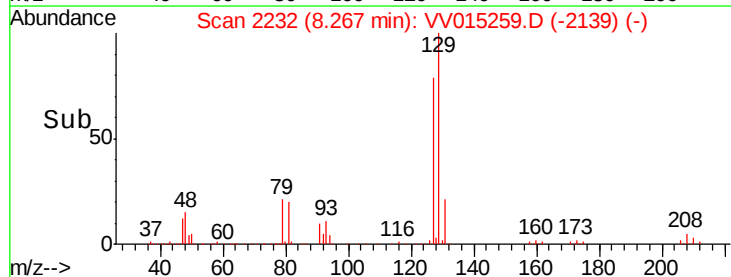
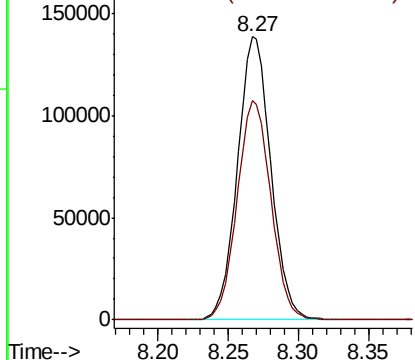


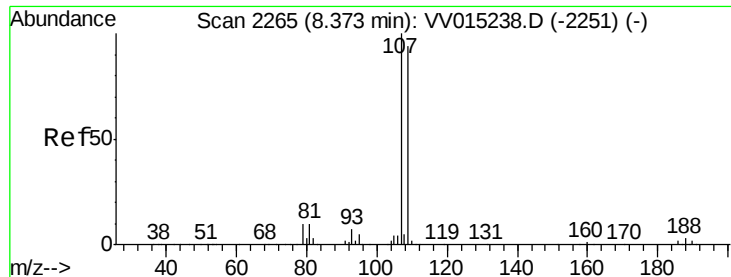
#49
Dibromochloromethane
Concen: 51.709 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015259.D
Acq: 28 Mar 2020 20:31

Tgt Ion: 129 Resp: 230388
Ion Ratio Lower Upper
129 100
127 77.3 54.0 100.2



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

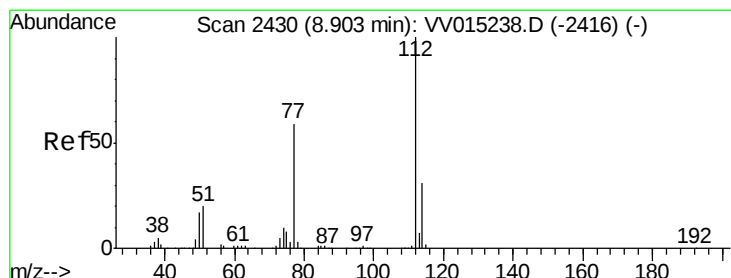
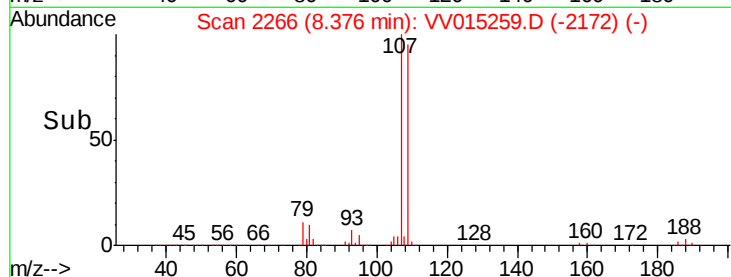
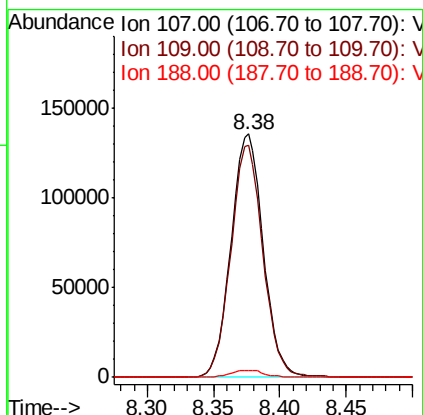
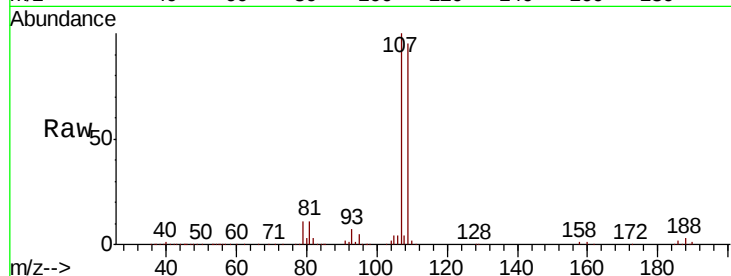




#50
1,2-Dibromoethane
Concen: 52.139 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV015259.D
Acq: 28 Mar 2020 20:31

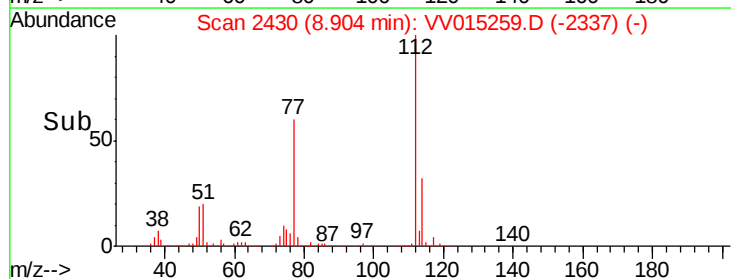
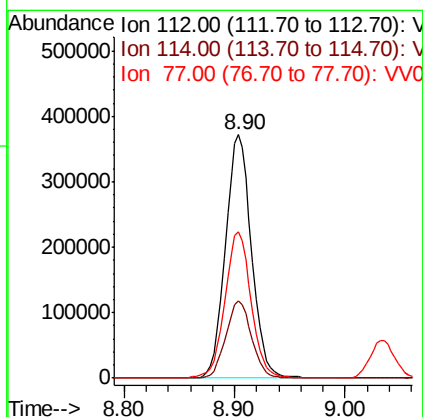
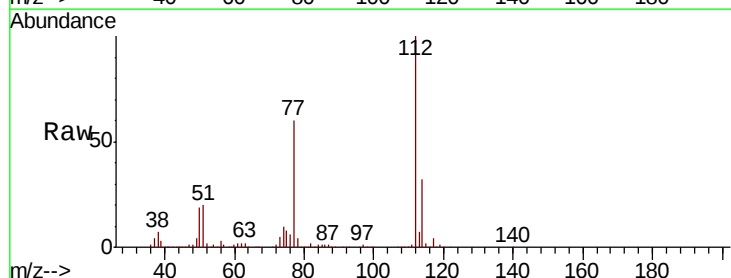
Instrument :
MSVOA_V
ClientSampleId :

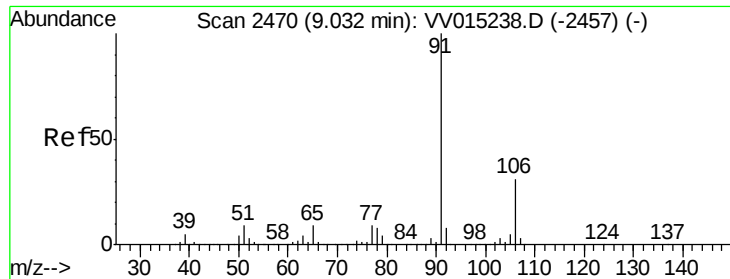
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	65.1	120.9
188	2.9	2.3	3.5



#51
Chlorobenzene
Concen: 51.904 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015259.D
Acq: 28 Mar 2020 20:31

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.3	41.5
77	60.0	48.2	72.2





#52

Ethylbenzene

Concen: 52.688 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

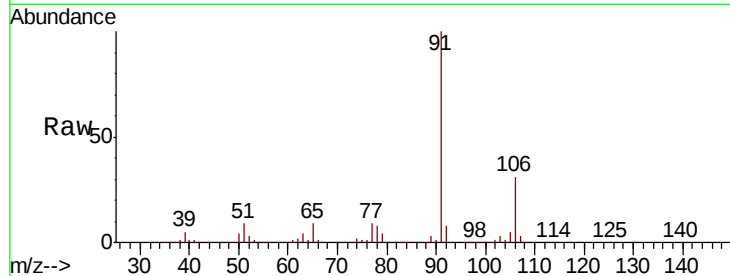
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1069586

Ion Ratio Lower Upper

91 100

106 30.6 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V

800000

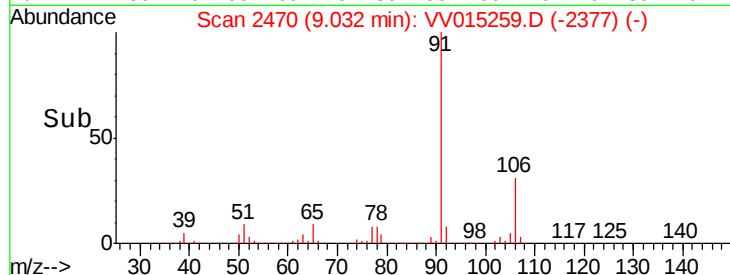
600000

400000

200000

0

Time-->

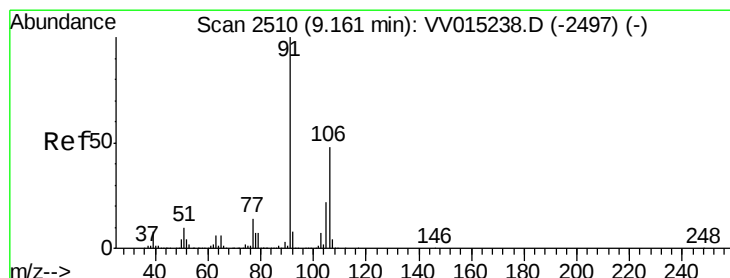


9.03

9.05

9.10

9.15



#53

m,p-Xylene

Concen: 52.179 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015259.D

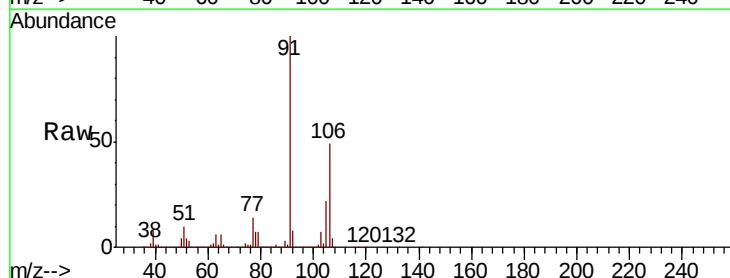
Acq: 28 Mar 2020 20:31

Tgt Ion: 106 Resp: 407519

Ion Ratio Lower Upper

106 100

91 205.8 142.1 263.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

600000

500000

400000

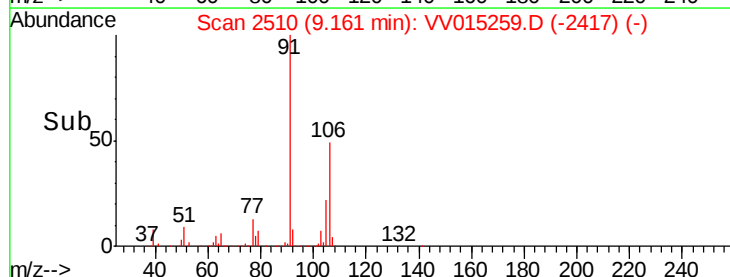
300000

200000

100000

0

Time-->

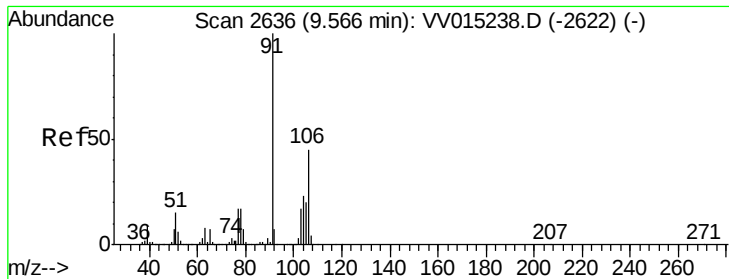


9.16

9.10

9.20

9.25



#54

o-xylene

Concen: 51.201 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

Instrument :

MSVOA_V

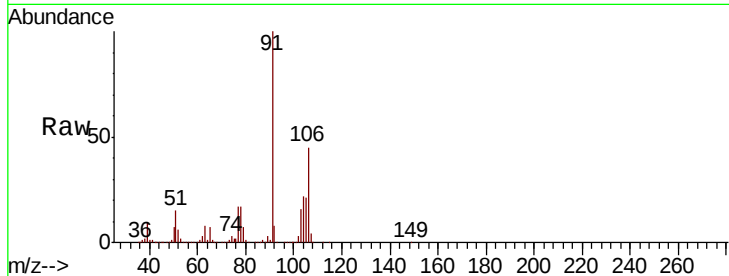
ClientSampled :

Tot Ion:106 Resp: 398300

Ion Ratio Lower Upper

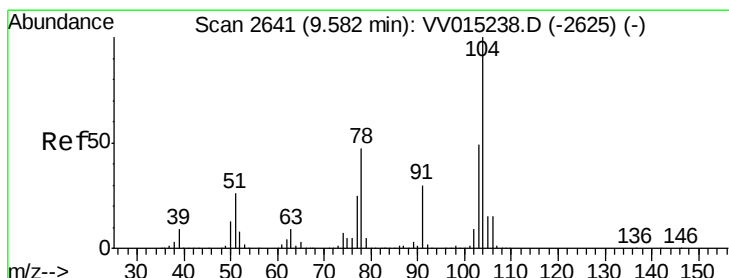
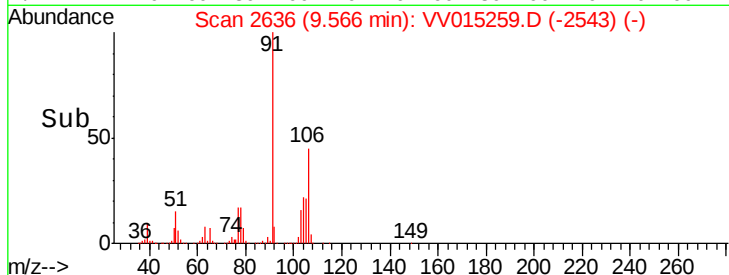
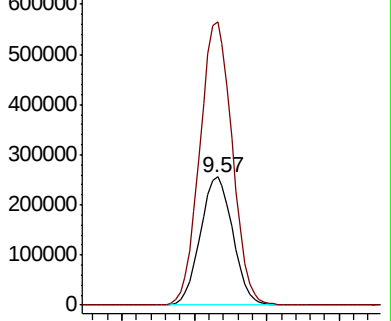
106 100

91 220.9 155.5 288.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 52.473 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015259.D

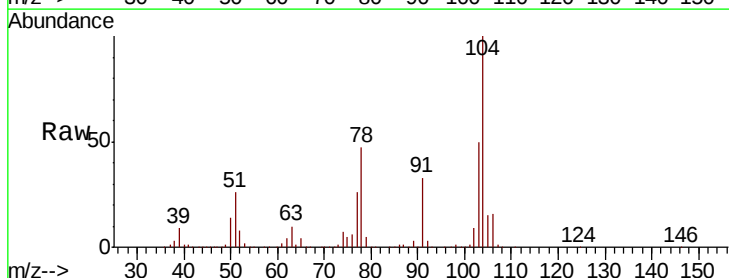
Acq: 28 Mar 2020 20:31

Tgt Ion:104 Resp: 687802

Ion Ratio Lower Upper

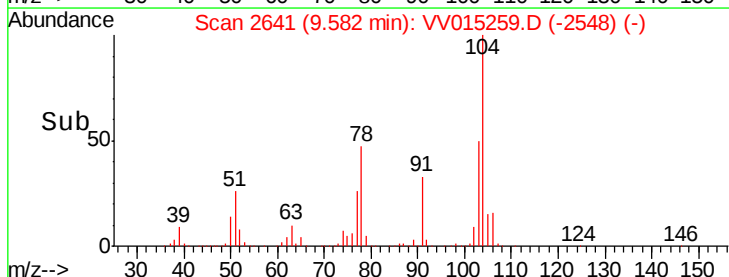
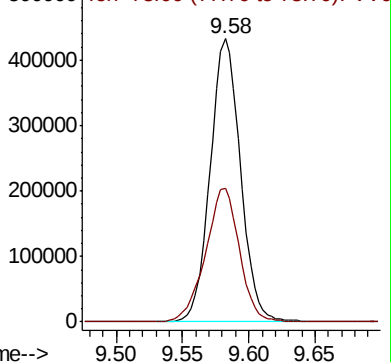
104 100

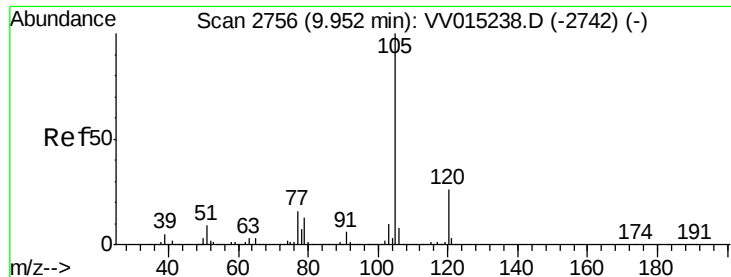
78 47.0 33.0 61.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 52.868 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

Instrument :
MSVOA_V
ClientSampled :

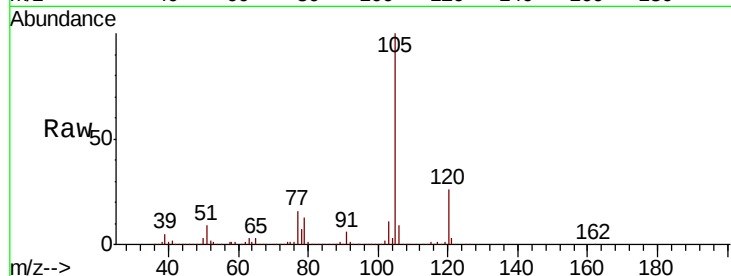
Tot Ion:105 Resp: 1055208

Ion Ratio Lower Upper

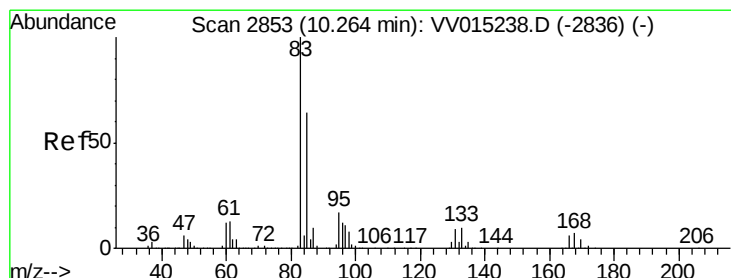
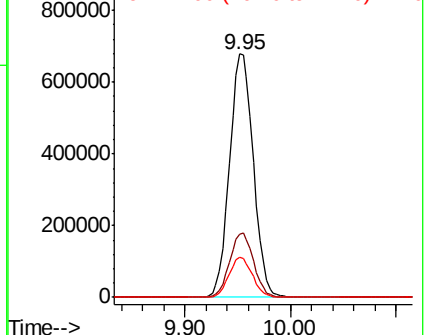
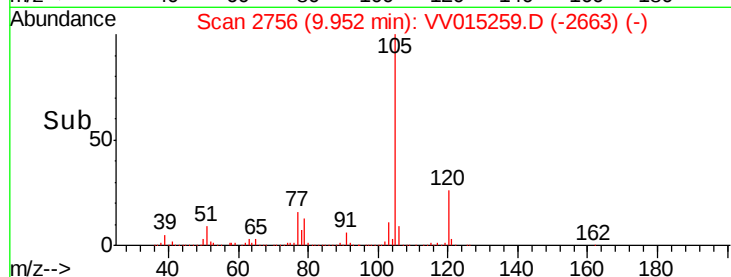
105 100

120 26.5 21.4 32.0

77 16.1 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 52.834 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

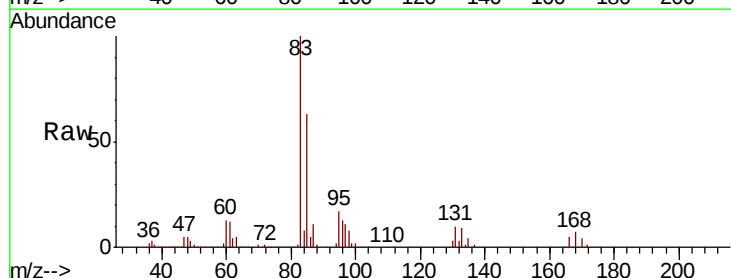
Tgt Ion: 83 Resp: 357339

Ion Ratio Lower Upper

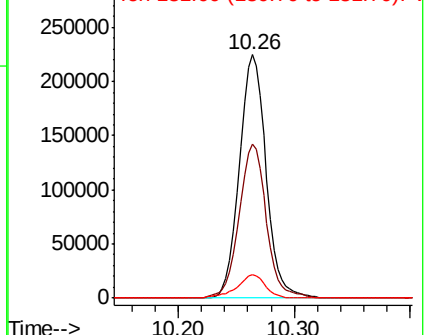
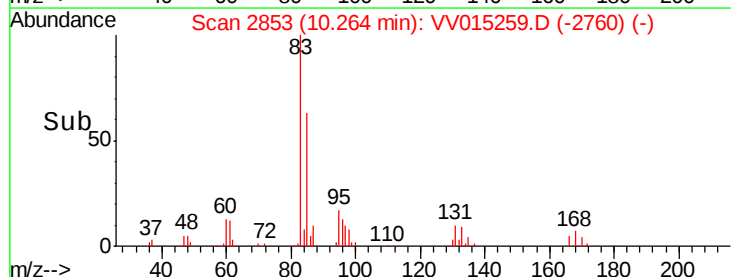
83 100

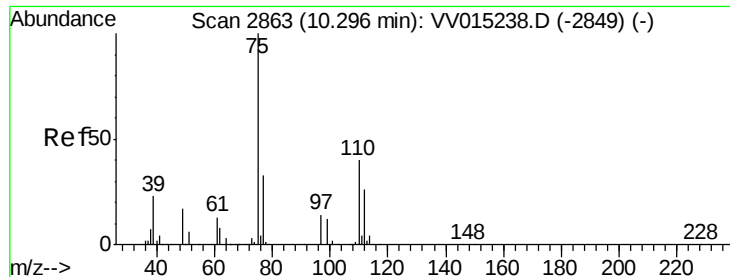
85 63.2 43.6 81.0

131 9.6 7.8 11.6



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: 52.312 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

Instrument :

MSVOA_V

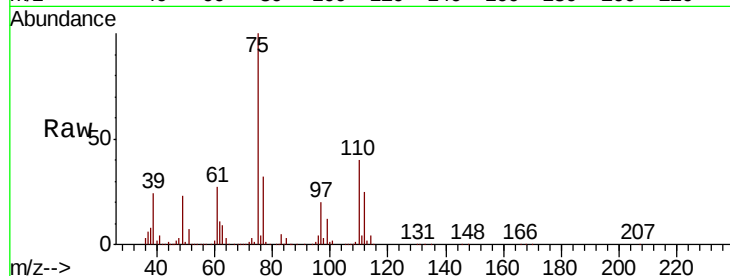
ClientSampled :

Tot Ion: 75 Resp: 288269

Ion Ratio Lower Upper

75 100

77 32.4 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV015238.D (-2849) (-)

Ion 77.00 (76.70 to 77.70): VV015238.D (-2849) (-)

10.30

200000

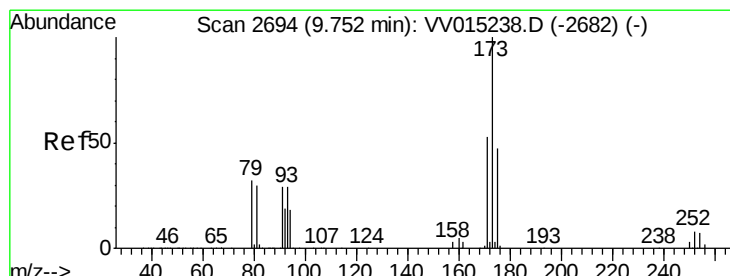
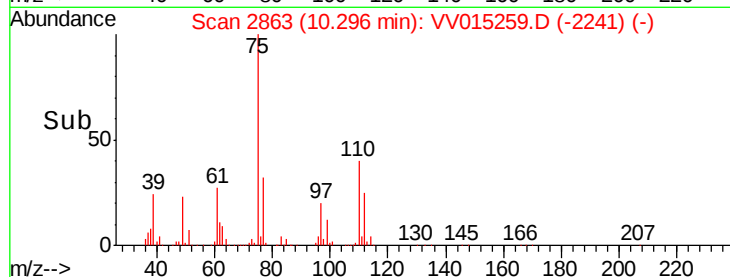
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 51.522 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

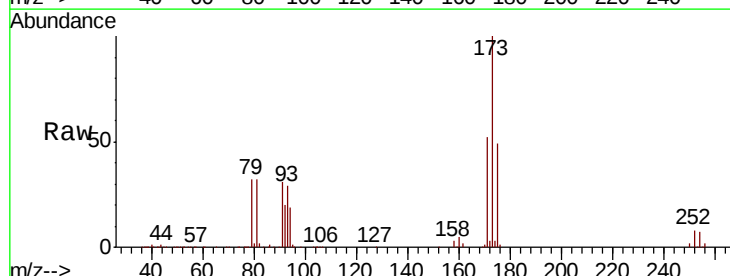
Tgt Ion: 173 Resp: 146705

Ion Ratio Lower Upper

173 100

175 48.0 37.6 56.4

254 7.0 5.5 8.3



Abundance Ion 173.00 (172.70 to 173.70): VV015238.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV015238.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV015238.D (-2682) (-)

9.75

120000

100000

80000

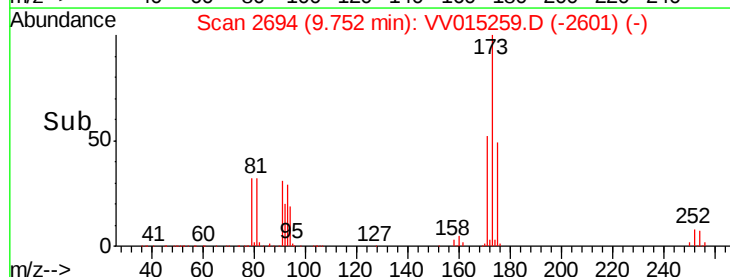
60000

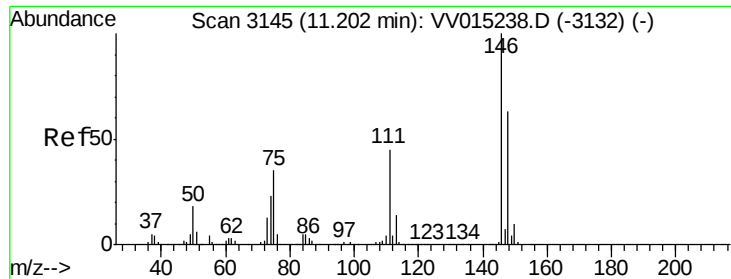
40000

20000

0

Time-->

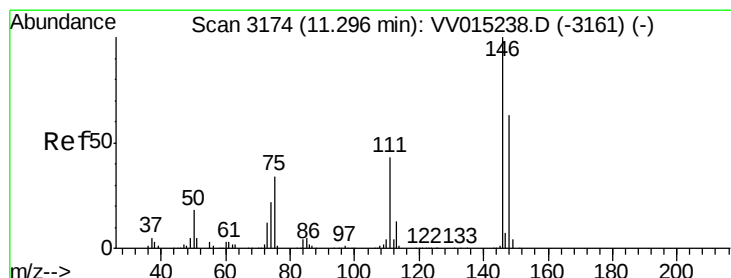
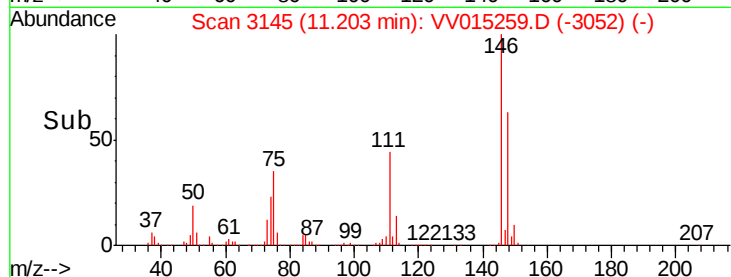
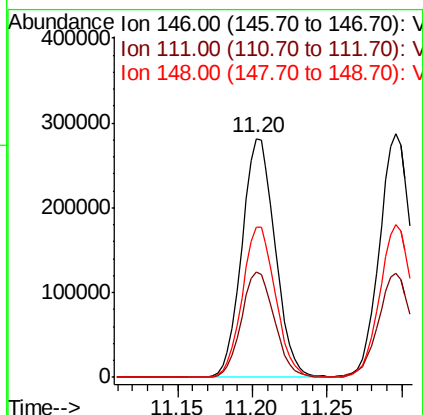
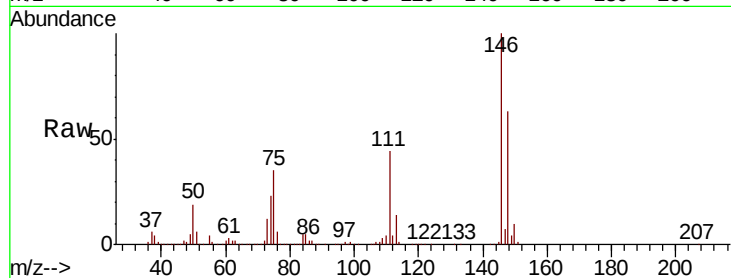




#62
 1,3-Dichlorobenzene
 Concen: 51.780 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV015259.D
 Acq: 28 Mar 2020 20:31

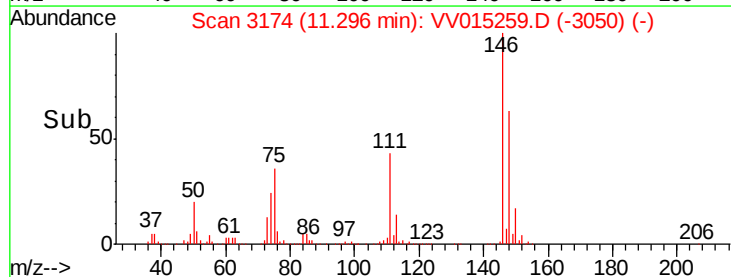
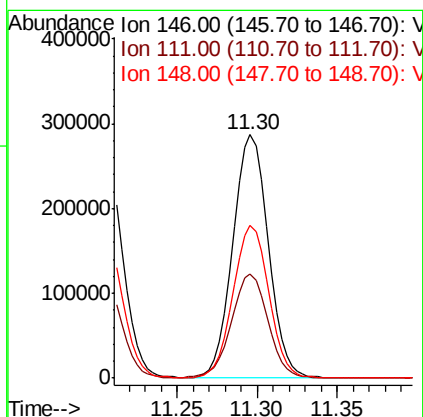
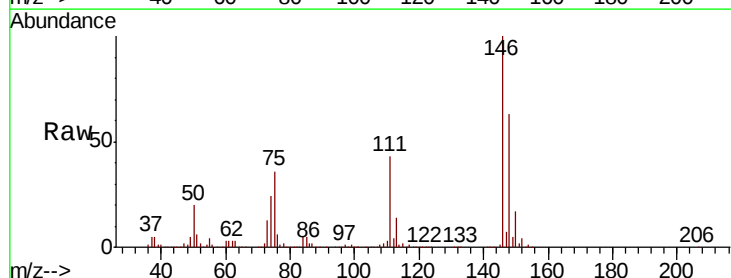
Instrument :
 MSVOA_V
 ClientSampleId :

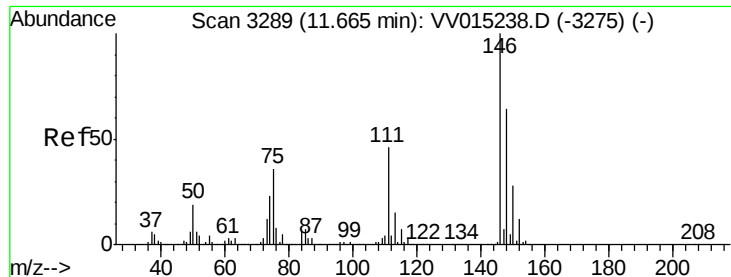
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	32.1	59.7
148	63.0	44.0	81.6



#63
 1,4-Dichlorobenzene
 Concen: 51.338 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV015259.D
 Acq: 28 Mar 2020 20:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	29.4	54.6
148	62.8	43.6	81.0





#65

1,2-Dichlorobenzene

Concen: 51.259 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

Instrument :

MSVOA_V

ClientSampleId :

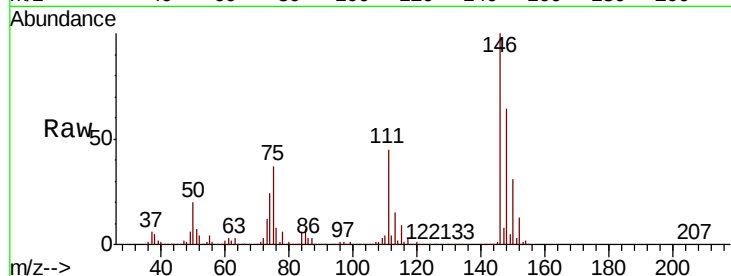
Tot Ion:146 Resp: 441858

Ion Ratio Lower Upper

146 100

111 45.4 37.6 56.4

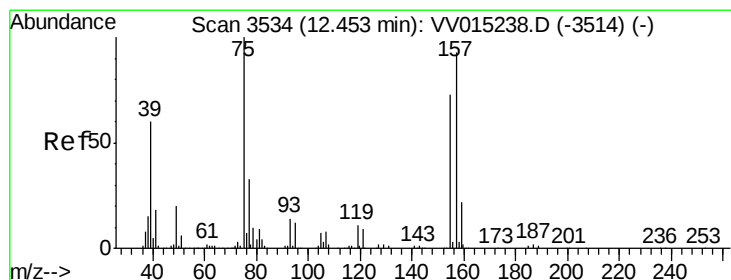
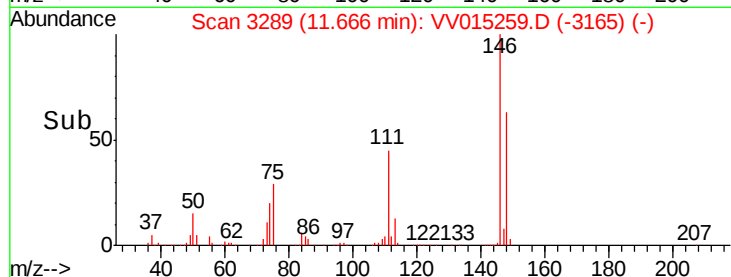
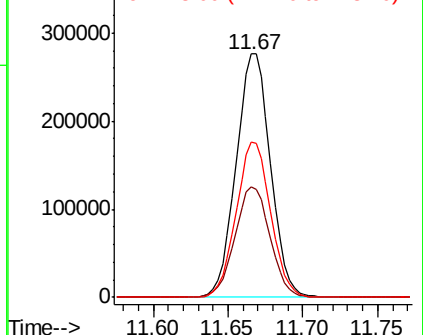
148 63.7 50.6 76.0



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: 52.622 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

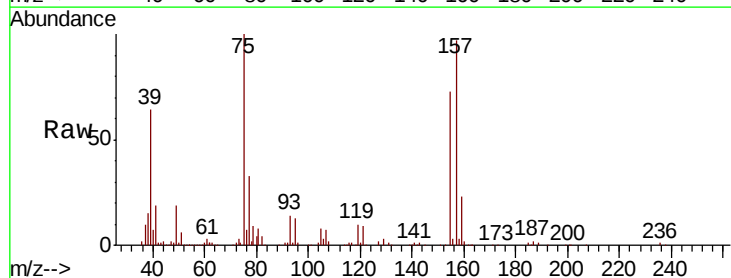
Tgt Ion: 75 Resp: 94555

Ion Ratio Lower Upper

75 100

155 72.5 59.1 88.7

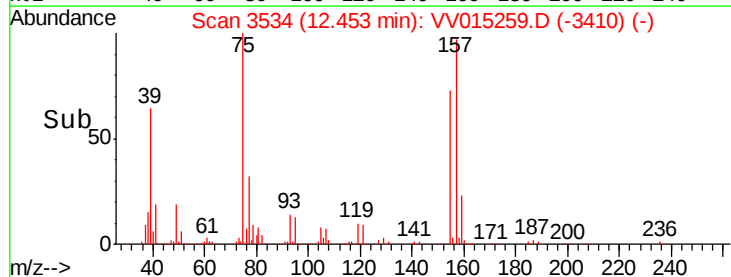
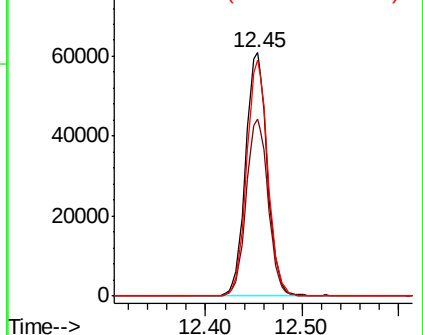
157 96.8 78.9 118.3

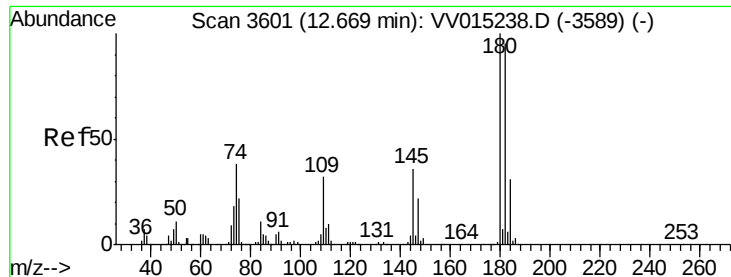


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

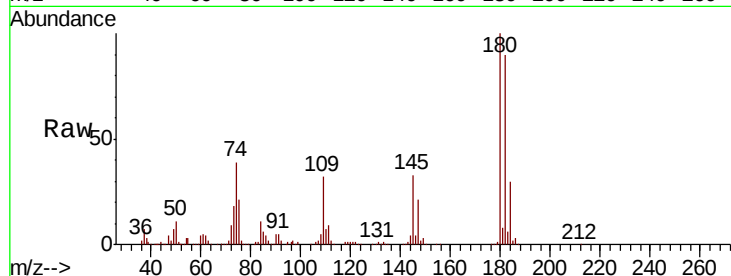




#67
 1,3,5-Trichlorobenzene
 Concen: 50.290 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015259.D
 Acq: 28 Mar 2020 20:31

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	75.4	113.0
184	29.6	23.8	35.8
145	33.5	26.9	40.3



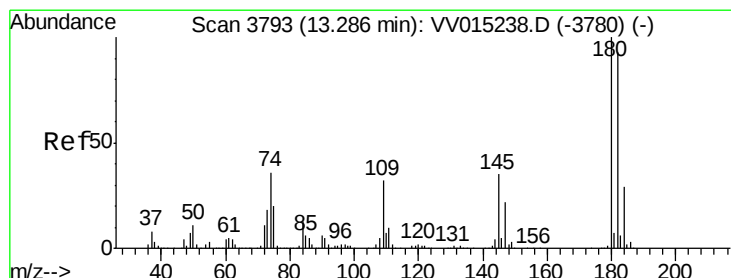
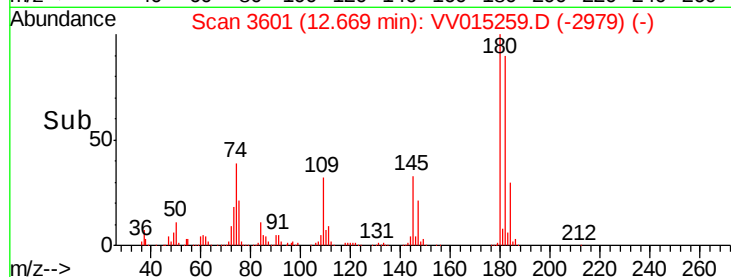
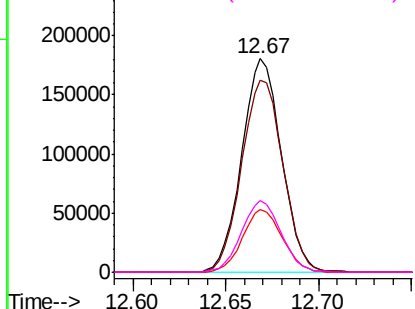
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

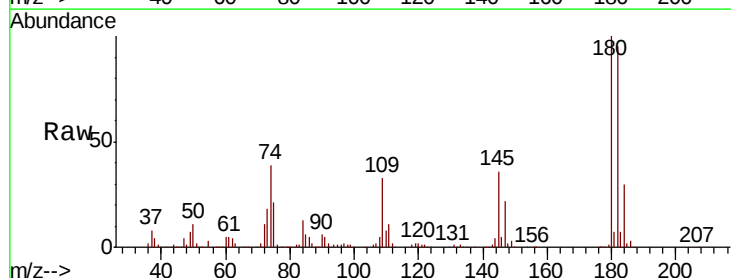
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 50.437 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015259.D
 Acq: 28 Mar 2020 20:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.5	113.3
145	35.5	28.5	42.7

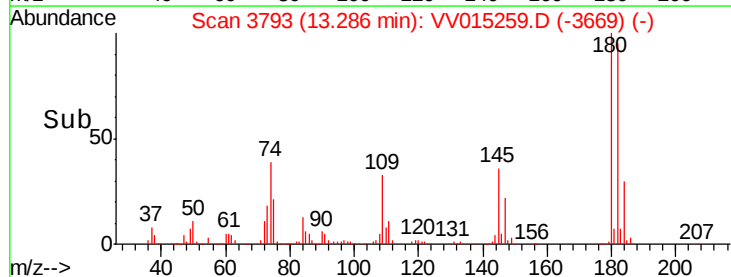
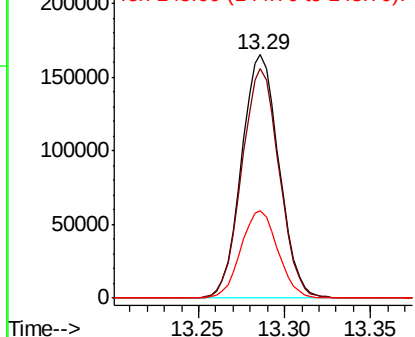


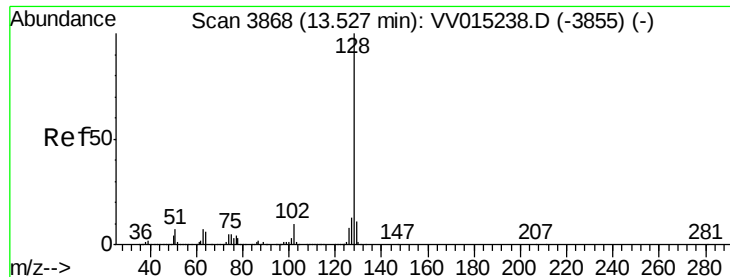
Abundance

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: 52.470 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

Instrument :

MSVOA_V

ClientSampleId :

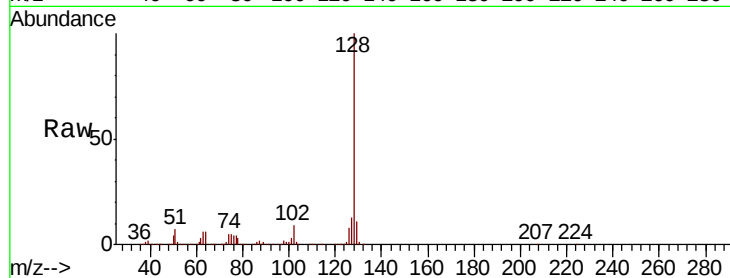
Tot Ion:128 Resp: 1050068

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

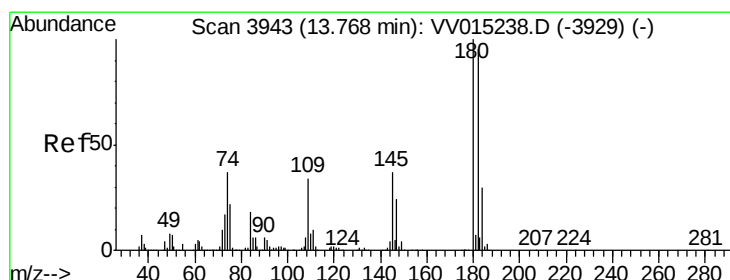
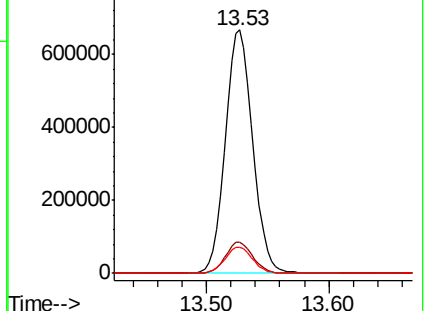
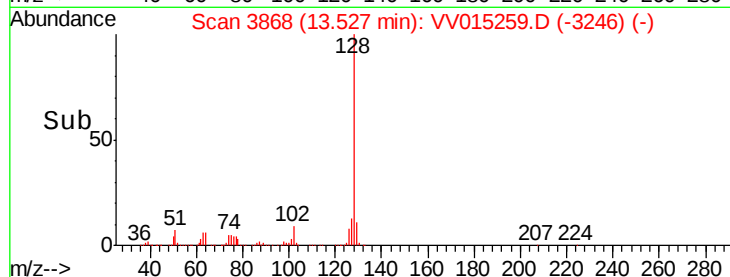
129 11.0 8.6 12.8



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: 52.224 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015259.D

Acq: 28 Mar 2020 20:31

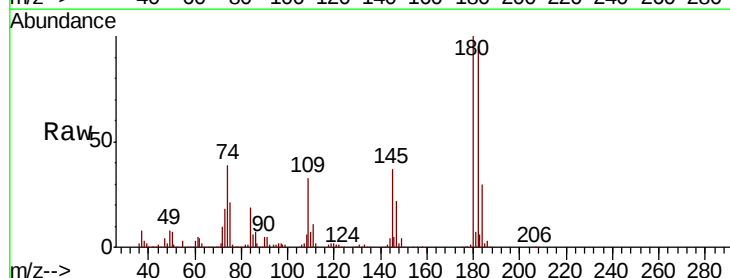
Tgt Ion:180 Resp: 265853

Ion Ratio Lower Upper

180 100

182 94.0 75.9 113.9

145 37.1 29.0 43.6



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

