

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040120\
 Data File : VV015327.D
 Acq On : 01 Apr 2020 10:45
 Operator : SY/MD
 Sample : VSTD00566
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 02 01:46:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 02 01:39:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	528893	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	499413	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	222418	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26549	5.60	ug/L	0.00
7) Chloroethane-d5	1.58	69	23329	5.76	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	46042	5.43	ug/L	0.00
21) 2-Butanone-d5	3.83	46	161	0.06	ug/L	-0.09
24) Chloroform-d	4.38	84	43545	5.56	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	27175	5.57	ug/L	0.00
32) Benzene-d6	5.08	84	88773	5.77	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	25130	5.54	ug/L	0.00
41) Toluene-d8	7.34	98	81869	5.57	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	14151	5.65	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	21596	10.43	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	34231	5.31	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	29112	5.75	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	24052	5.029 ug/L	97
3) Chloromethane	1.25	50	23977	5.319 ug/L	98
5) Vinyl chloride	1.32	62	25360	5.371 ug/L	95
6) Bromomethane	1.53	94	16458	5.273 ug/L	98
8) Chloroethane	1.60	64	17976	5.542 ug/L	99
9) Trichlorofluoromethane	1.77	101	43488	4.872 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	20512	5.142 ug/L	96
12) 1,1-Dichloroethene	2.13	96	19358	5.069 ug/L	88
13) Acetone	2.21	43	16551	10.004 ug/L	75
14) Carbon disulfide	2.31	76	52985	5.061 ug/L	98
16) Methylene chloride	2.53	84	20997	5.245 ug/L	95
17) trans-1,2-Dichloroethene	2.78	96	18124	5.015 ug/L	94
18) Methyl tert-butyl Ether	2.79	73	58690	4.927 ug/L	96
19) 1,1-Dichloroethane	3.21	63	33588	5.109 ug/L	96
20) cis-1,2-Dichloroethene	3.95	96	21026	5.081 ug/L	# 98
23) Bromochloromethane	4.28	128	10561	5.057 ug/L	89
25) Chloroform	4.41	83	37272	5.228 ug/L	99
27) 1,2-Dichloroethane	5.16	62	27334	5.090 ug/L	98
29) Cyclohexane	4.70	56	32157	5.412 ug/L	93
30) 1,1,1-Trichloroethane	4.64	97	33017	5.145 ug/L	97
31) Carbon tetrachloride	4.86	117	26988	4.919 ug/L	97
33) Benzene	5.13	78	73724	4.987 ug/L	100
34) Trichloroethene	5.94	95	19719	5.038 ug/L	97
35) Methylcyclohexane	6.16	83	32245	5.029 ug/L	95
37) 1,2-Dichloropropane	6.20	63	18584	5.123 ug/L	99
38) Bromodichloromethane	6.53	83	26788	5.037 ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	29440	4.829 ug/L	97
40) 4-Methyl-2-pentanone	7.26	43	49778	9.760 ug/L	98
42) Toluene	7.41	91	83443	5.079 ug/L	100
44) trans-1,3-Dichloropropene	7.68	75	28248	4.768 ug/L	99

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 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

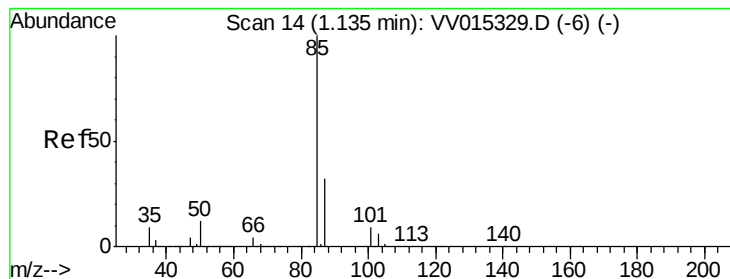
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 02 01:46:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
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 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	7.87	97	20286	5.303	ug/L	94
46) Tetrachloroethene	8.00	164	13587	4.842	ug/L	92
48) 2-Hexanone	8.17	43	35703	9.245	ug/L	98
49) Dibromochloromethane	8.27	129	20078	4.792	ug/L	96
50) 1,2-Dibromoethane	8.38	107	19684	4.820	ug/L #	94
51) Chlorobenzene	8.90	112	54467	5.059	ug/L	96
52) Ethylbenzene	9.04	91	90847	4.927	ug/L	99
53) m,p-Xylene	9.16	106	34168	4.812	ug/L	95
54) o-xylene	9.57	106	35816	5.036	ug/L	91
55) Styrene	9.59	104	56551	4.782	ug/L	99
56) Isopropylbenzene	9.95	105	89316	4.848	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.26	83	31837	5.184	ug/L #	95
59) 1,2,3-Trichloropropane	10.30	75	25541	5.214	ug/L	95
61) Bromoform	9.75	173	10989	4.423	ug/L	93
62) 1,3-Dichlorobenzene	11.21	146	37442	5.000	ug/L	96
63) 1,4-Dichlorobenzene	11.30	146	39749	5.234	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	38821	5.083	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	8218	5.449	ug/L	92
67) 1,3,5-Trichlorobenzene	12.67	180	23679	4.772	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	20833	4.596	ug/L	97
69) Naphthalene	13.53	128	82658	4.770	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	21827	4.675	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.029 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015327.D

Acq: 01 Apr 2020 10:45

Instrument :

MSVOA_V

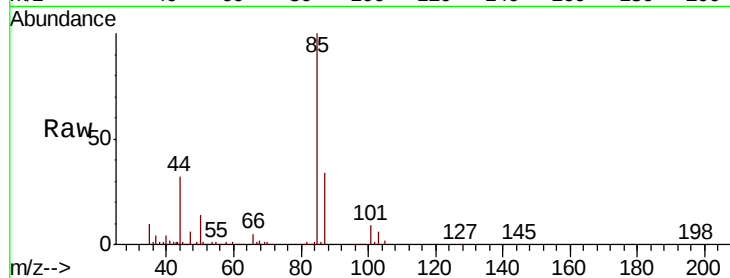
ClientSampleId :

Tot Ion: 85 Resp: 24052

Ion Ratio Lower Upper

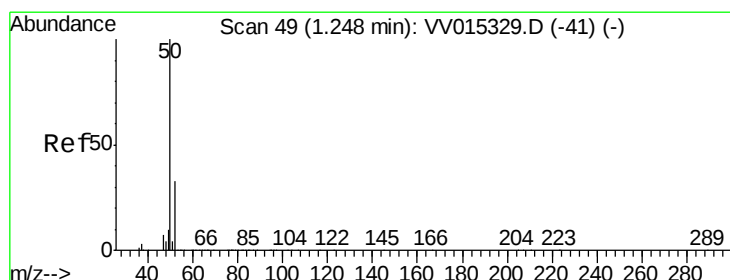
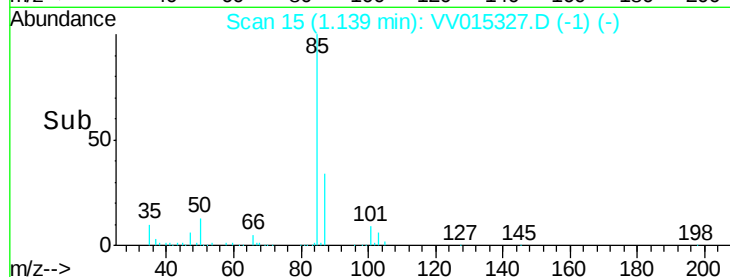
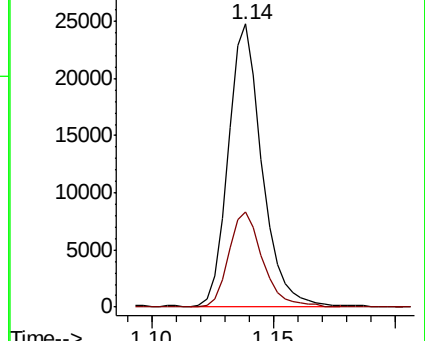
85 100

87 33.6 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.319 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015327.D

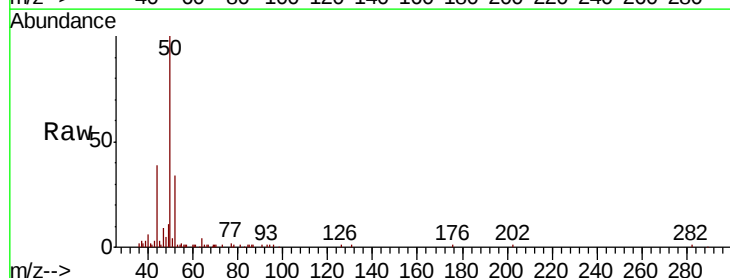
Acq: 01 Apr 2020 10:45

Tgt Ion: 50 Resp: 23977

Ion Ratio Lower Upper

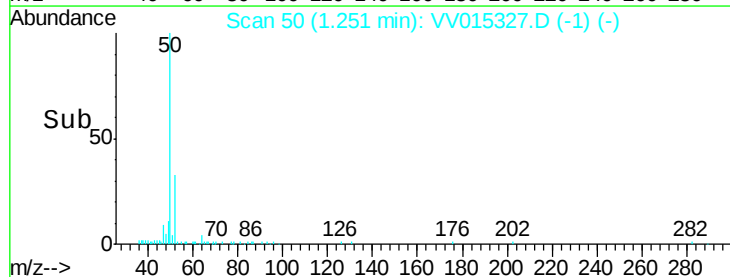
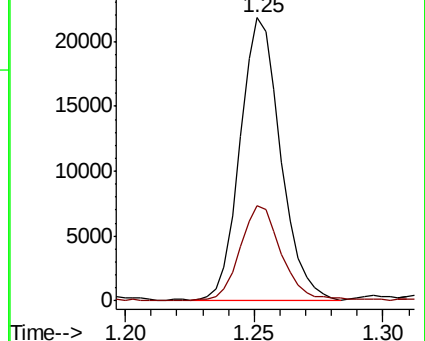
50 100

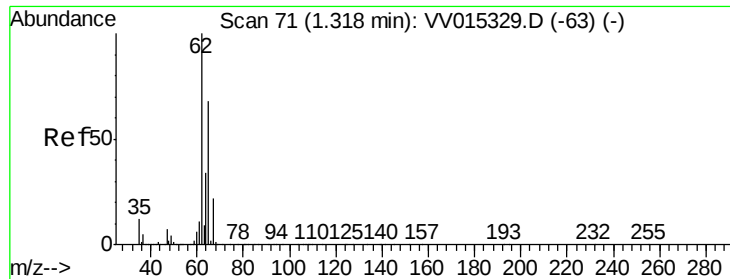
52 33.8 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 5.371 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV015327.D

Acq: 01 Apr 2020 10:45

Instrument :

MSVOA_V

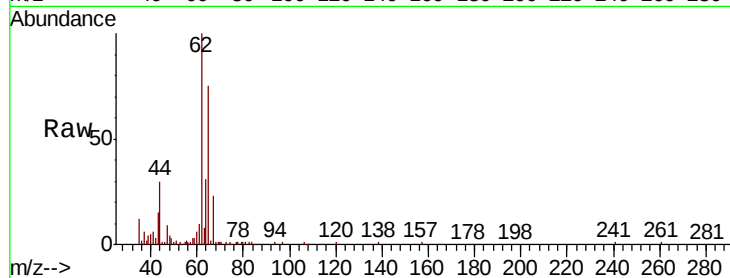
ClientSampled :

Tot Ion: 62 Resp: 25360

Ion Ratio Lower Upper

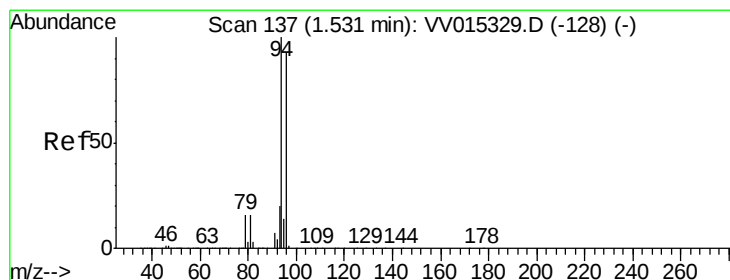
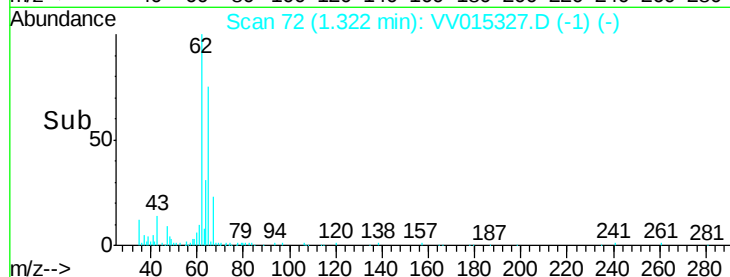
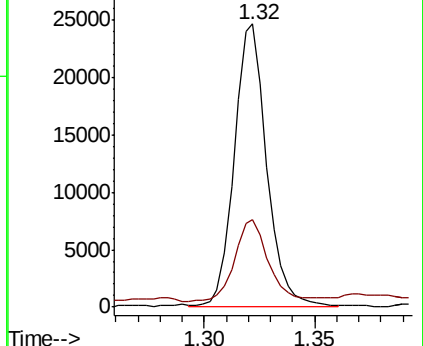
62 100

64 31.1 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 5.273 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV015327.D

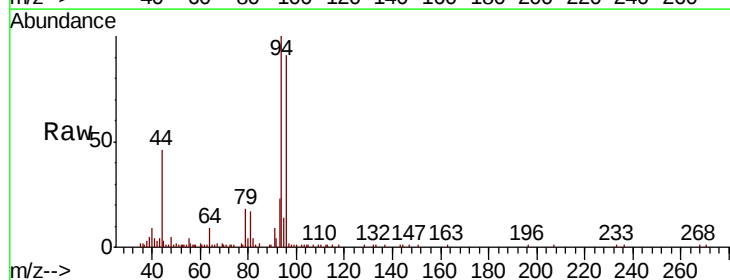
Acq: 01 Apr 2020 10:45

Tgt Ion: 94 Resp: 16458

Ion Ratio Lower Upper

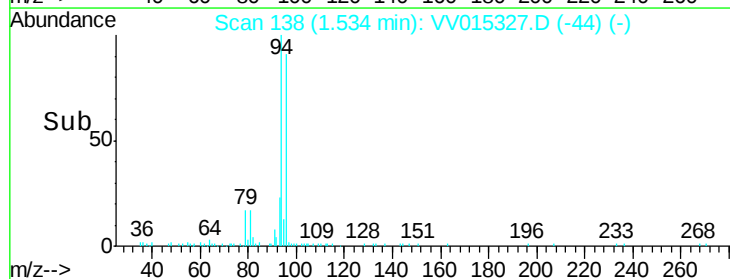
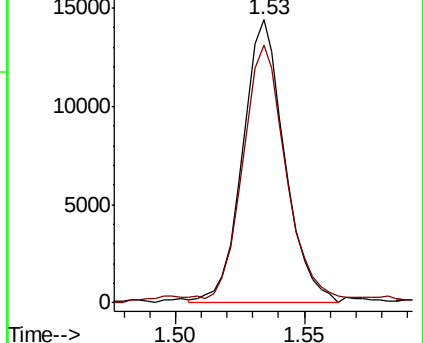
94 100

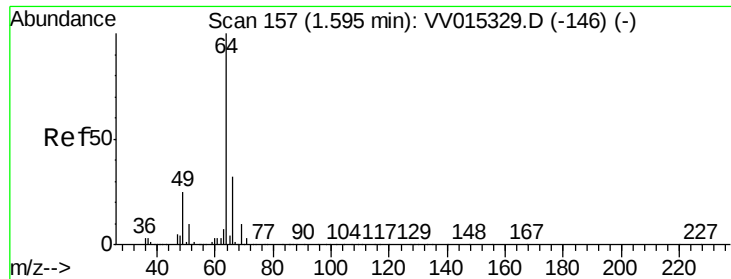
96 91.2 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.542 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV015327.D

Acq: 01 Apr 2020 10:45

Instrument :

MSVOA_V

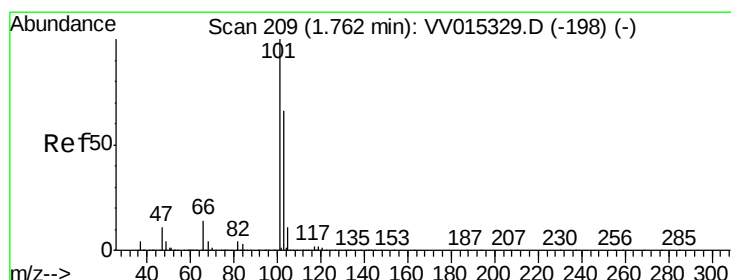
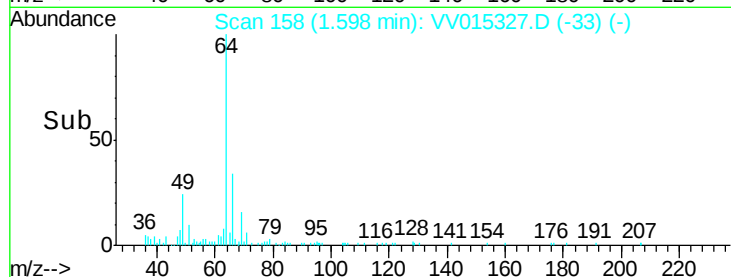
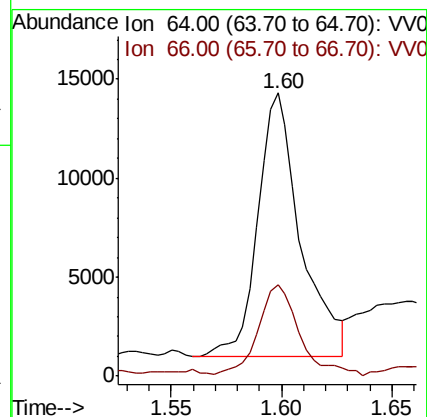
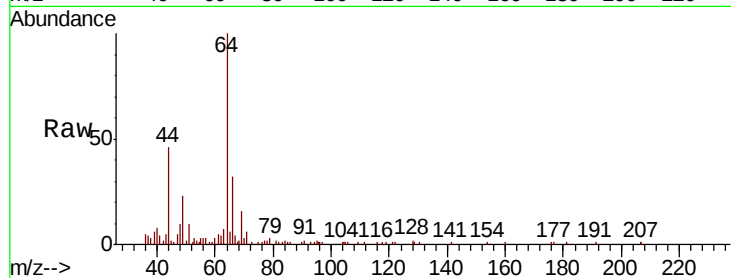
ClientSampleId :

Tot Ion: 64 Resp: 17976

Ion Ratio Lower Upper

64 100

66 32.2 22.3 41.3



#9

Trichlorofluoromethane

Concen: 4.872 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV015327.D

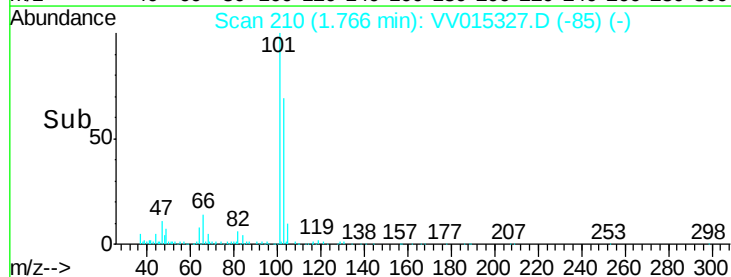
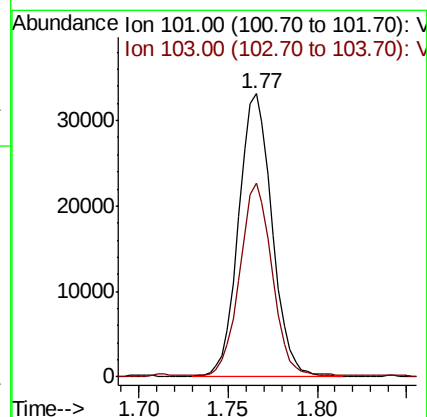
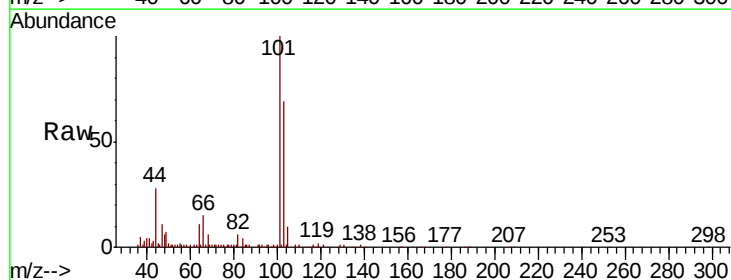
Acq: 01 Apr 2020 10:45

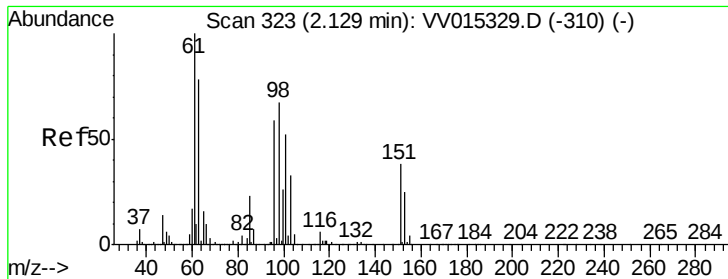
Tgt Ion: 101 Resp: 43488

Ion Ratio Lower Upper

101 100

103 66.4 52.3 78.5





#10

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

Concen: 5.142 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015327.D

Acq: 01 Apr 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

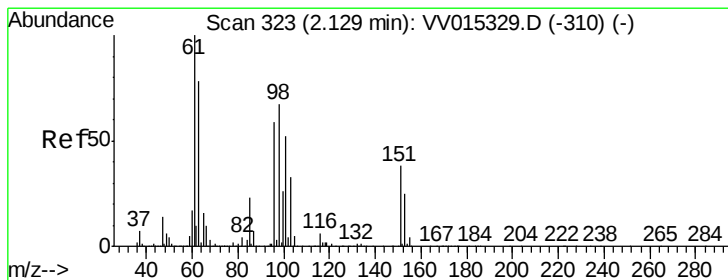
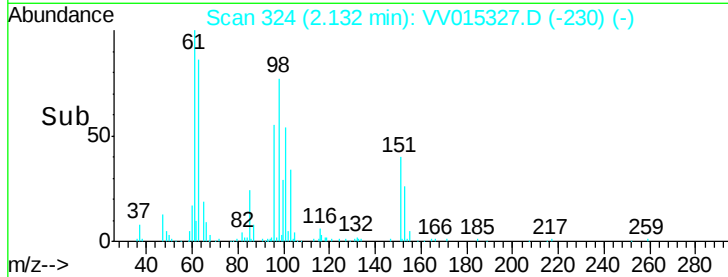
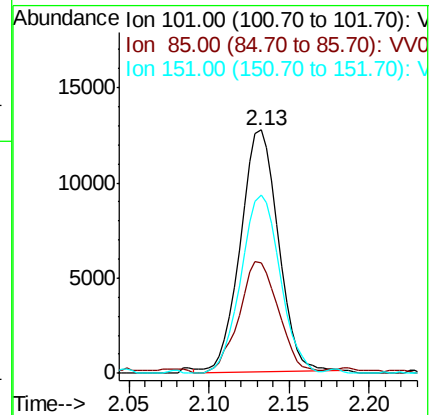
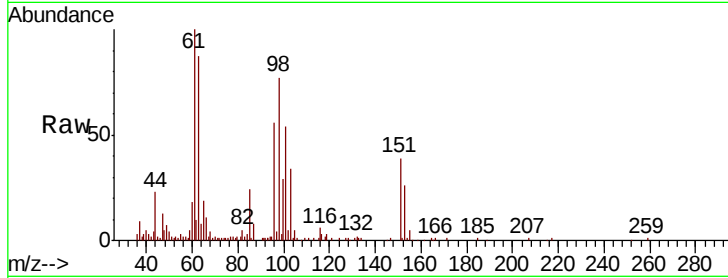
Tot Ion:101 Resp: 20512

Ion Ratio Lower Upper

101 100

85 48.4 36.1 54.1

151 76.2 58.2 87.4



#12

1,1-Dichloroethene

Concen: 5.069 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015327.D

Acq: 01 Apr 2020 10:45

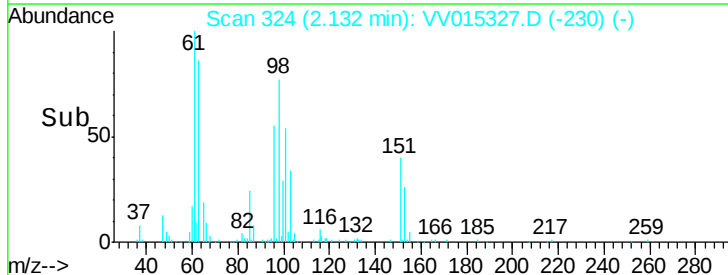
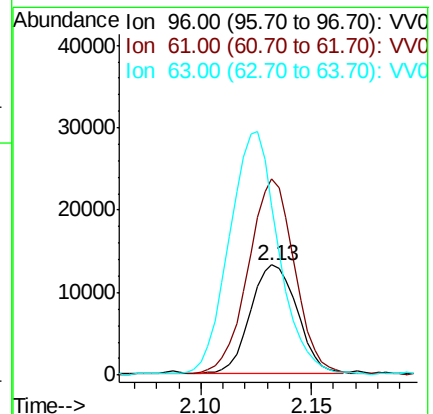
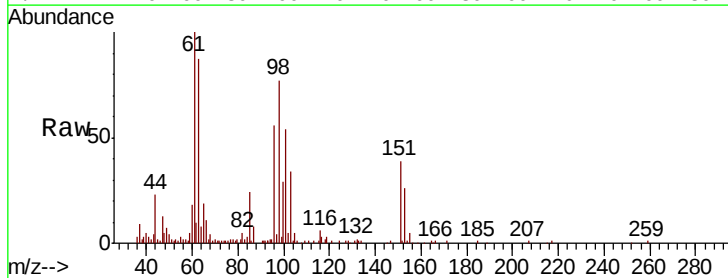
Tgt Ion: 96 Resp: 19358

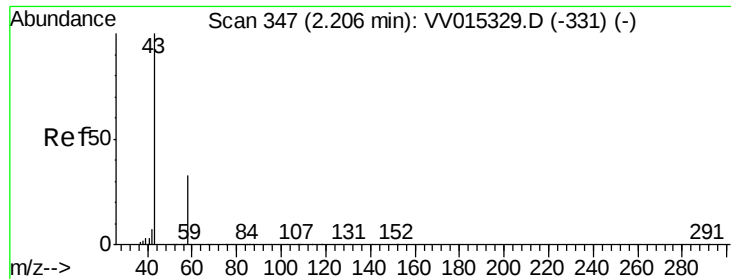
Ion Ratio Lower Upper

96 100

61 178.2 118.0 219.2

63 154.2 92.3 171.3





#13

Acetone

Concen: 10.004 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.00 min

Lab File: VV015327.D

Acq: 01 Apr 2020 10:45

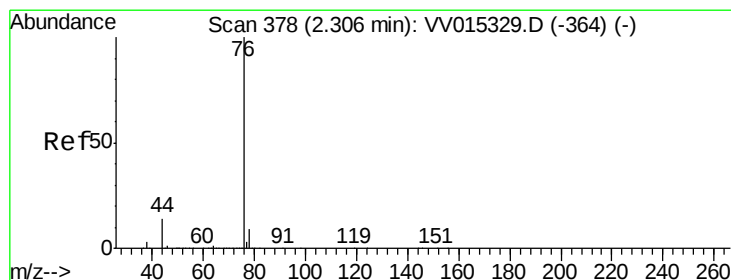
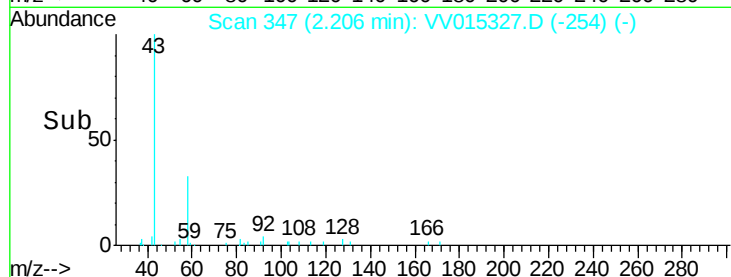
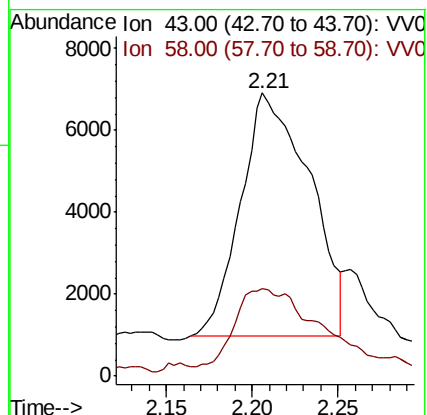
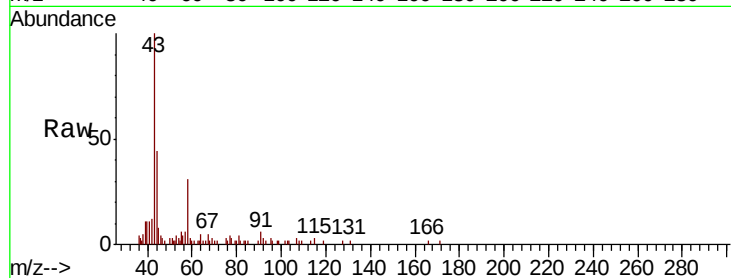
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 16551

Ion Ratio Lower Upper

43 100

58 19.5 0.0 68.2



#14

Carbon disulfide

Concen: 5.061 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV015327.D

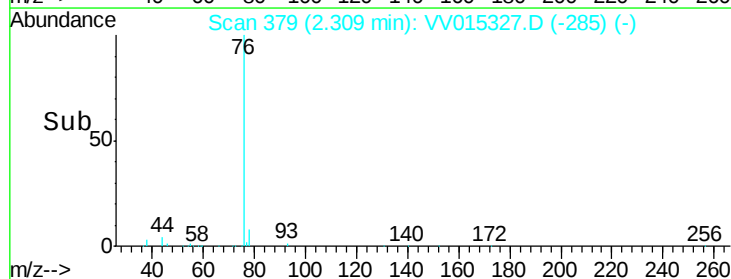
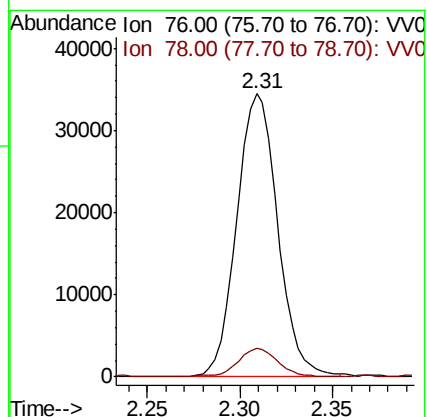
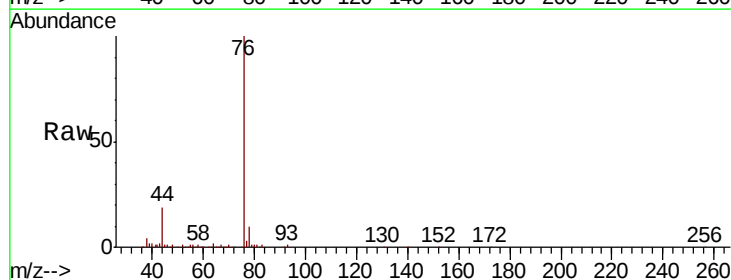
Acq: 01 Apr 2020 10:45

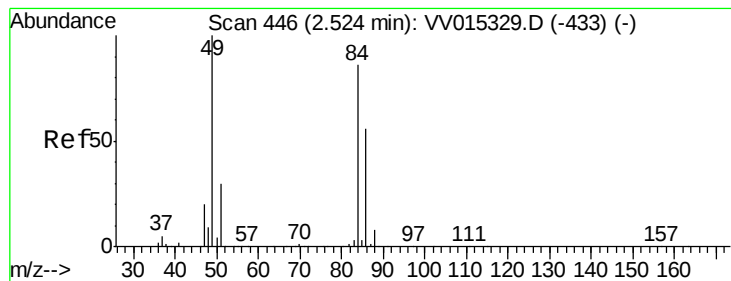
Tgt Ion: 76 Resp: 52985

Ion Ratio Lower Upper

76 100

78 9.9 7.4 11.2





#16

Methvlene chloride

Concen: 5.245 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV015327.D

Acq: 01 Apr 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

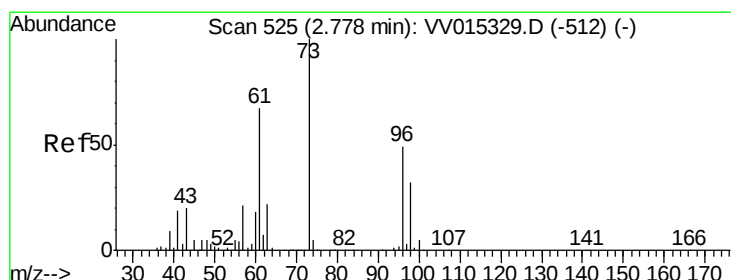
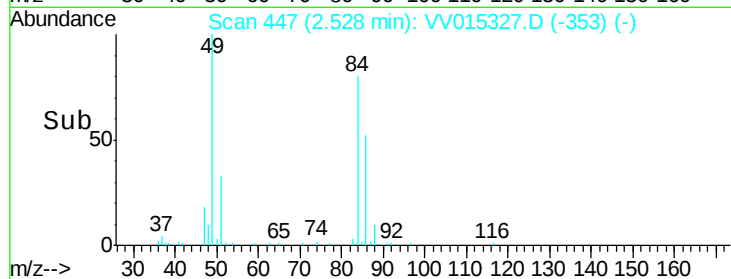
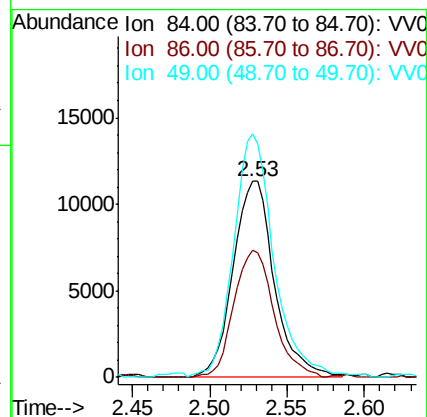
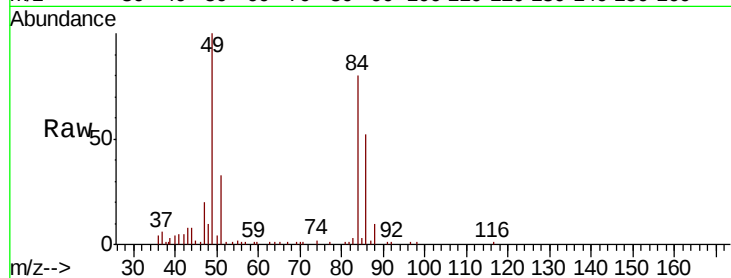
Tot Ion: 84 Resp: 20997

Ion Ratio Lower Upper

84 100

86 64.7 45.1 83.9

49 124.3 81.2 150.8



#17

trans-1,2-Dichloroethene

Concen: 5.015 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV015327.D

Acq: 01 Apr 2020 10:45

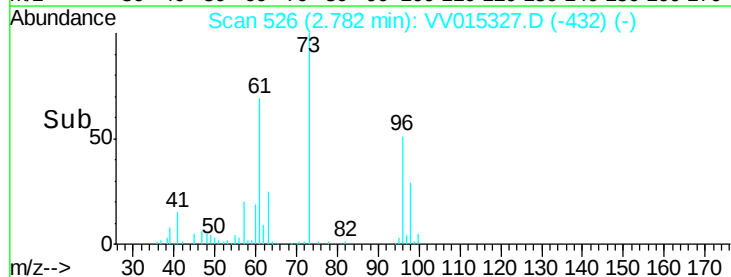
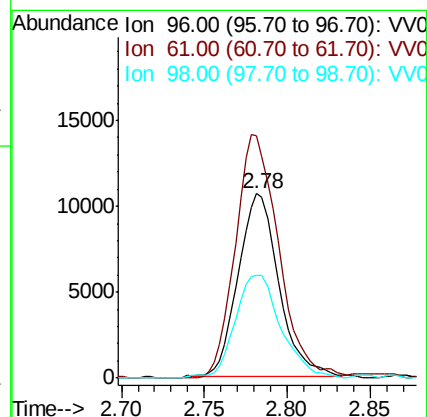
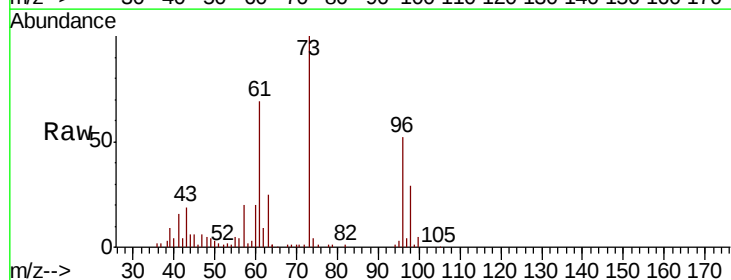
Tgt Ion: 96 Resp: 18124

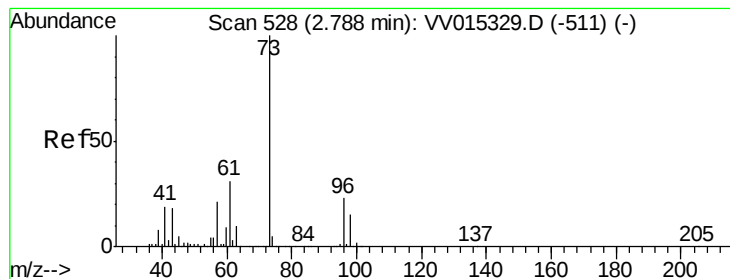
Ion Ratio Lower Upper

96 100

61 131.6 95.2 176.8

98 56.0 45.1 83.9



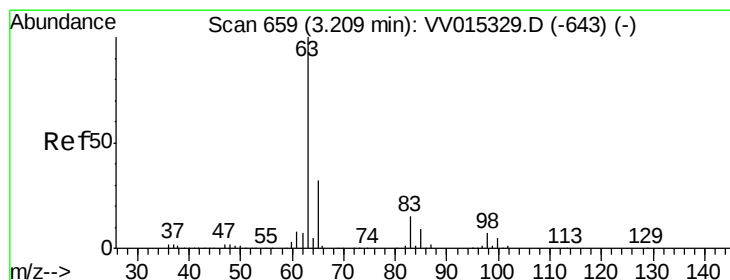
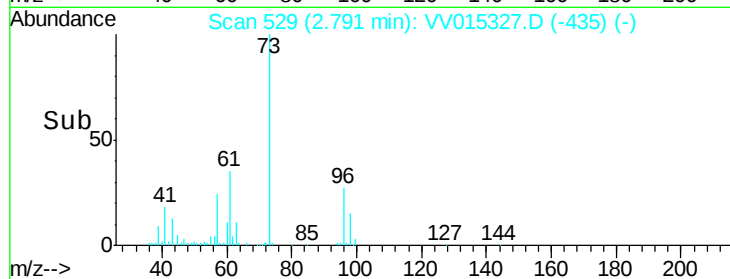
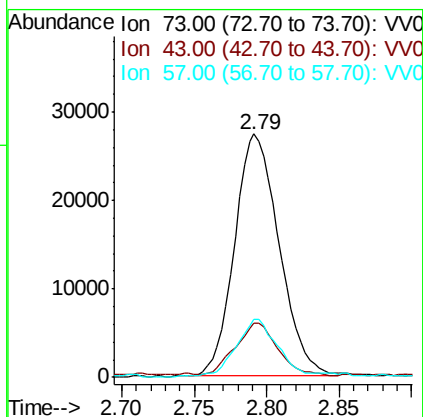
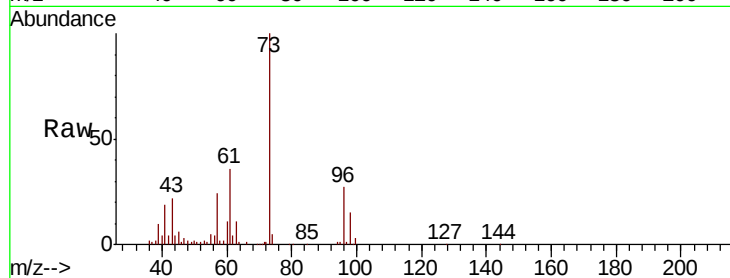


#18

Methvl tert-butvl Ether
 Concen: 4.927 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV015327.D
 Acq: 01 Apr 2020 10:45

Instrument :
 MSVOA_V
 ClientSampleId :

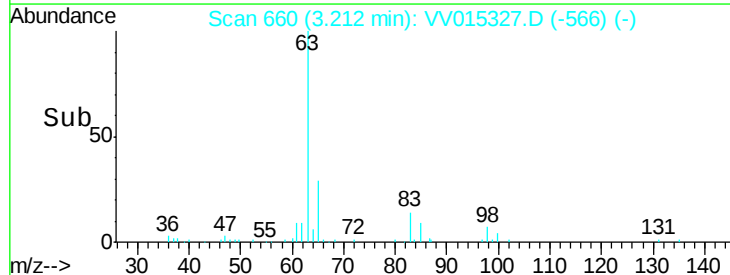
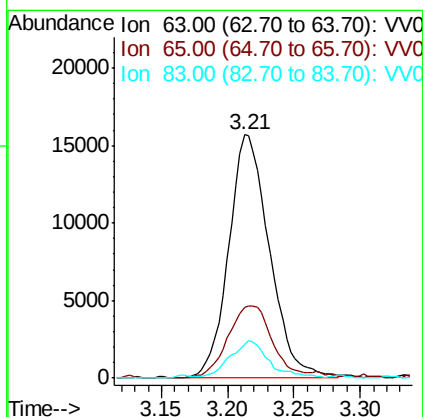
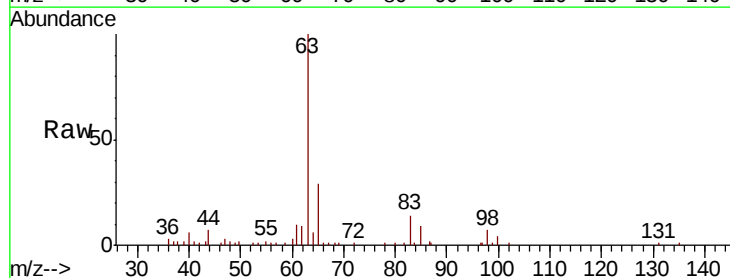
Tot Ion: 73 Resp: 58690
 Ion Ratio Lower Upper
 73 100
 43 20.4 15.4 23.0
 57 22.5 16.3 24.5

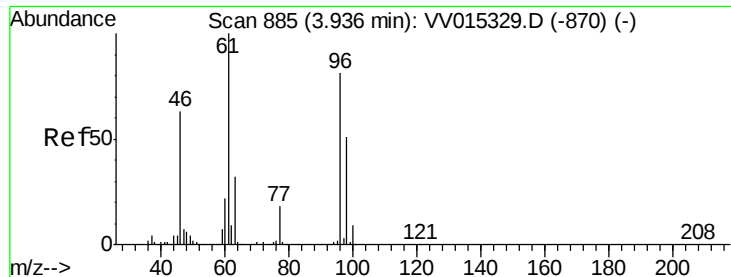


#19

1,1-Dichloroethane
 Concen: 5.109 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV015327.D
 Acq: 01 Apr 2020 10:45

Tgt Ion: 63 Resp: 33588
 Ion Ratio Lower Upper
 63 100
 65 29.2 22.3 41.5
 83 14.0 10.2 19.0

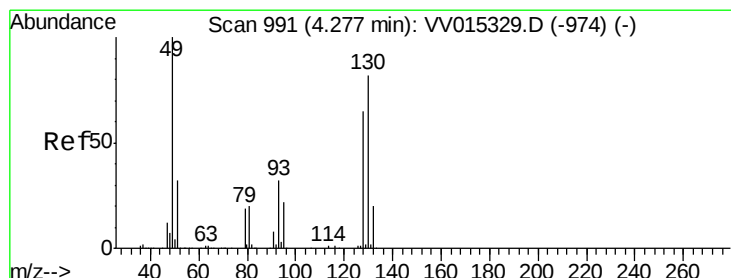
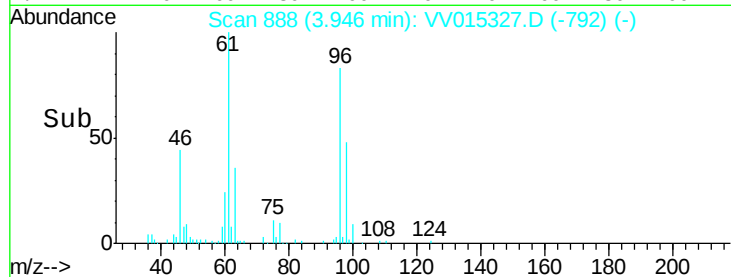
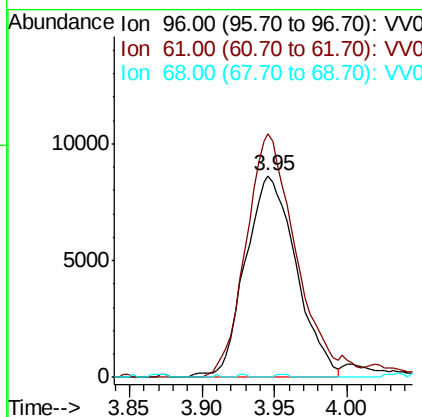
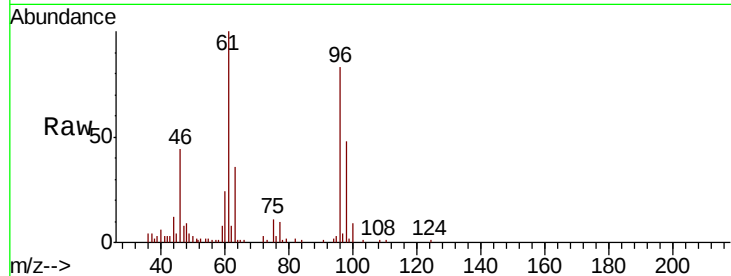




#20
 cis-1,2-Dichloroethene
 Concen: 5.081 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.01 min
 Lab File: VV015327.D
 Acq: 01 Apr 2020 10:45

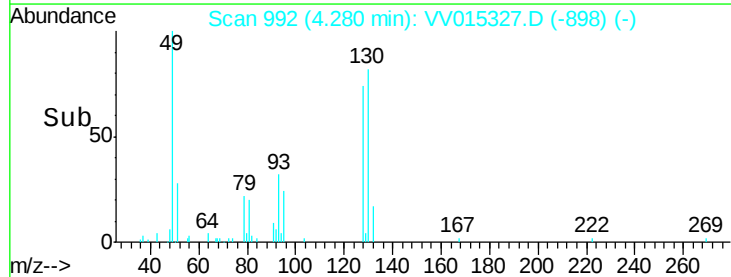
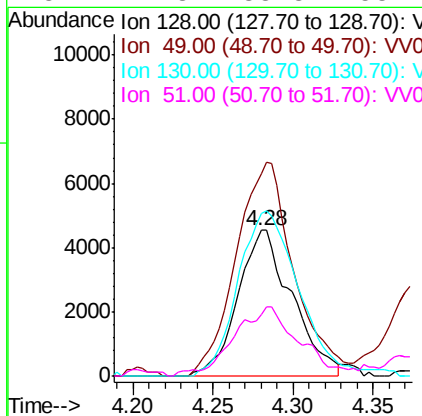
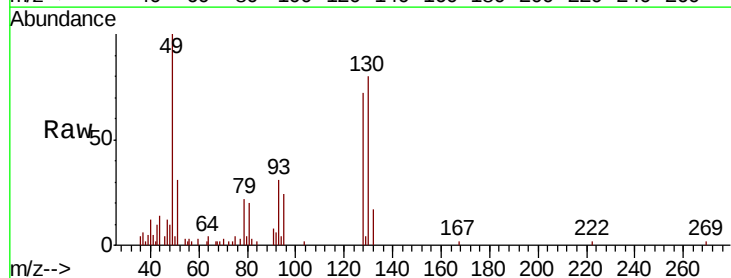
Instrument :
 MSVOA_V
 ClientSampled :

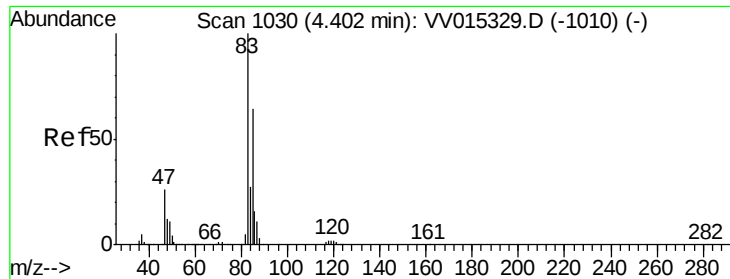
Tot Ion: 96 Resp: 21026
 Ion Ratio Lower Upper
 96 100
 61 120.7 86.4 160.4
 68 0.0 0.1 0.3#



#23
 Bromochloromethane
 Concen: 5.057 ug/L
 RT: 4.28 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VV015327.D
 Acq: 01 Apr 2020 10:45

Tgt Ion:128 Resp: 10561
 Ion Ratio Lower Upper
 128 100
 49 138.6 107.5 199.7
 130 111.4 87.7 162.9
 51 42.3 38.8 58.2

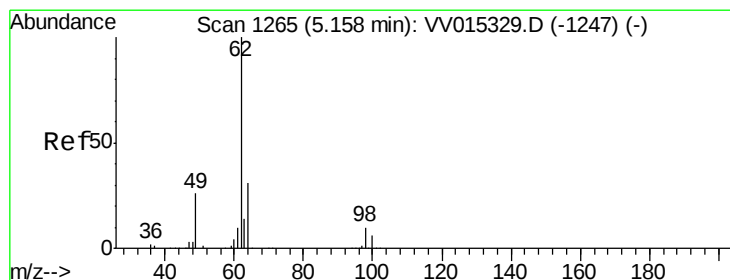
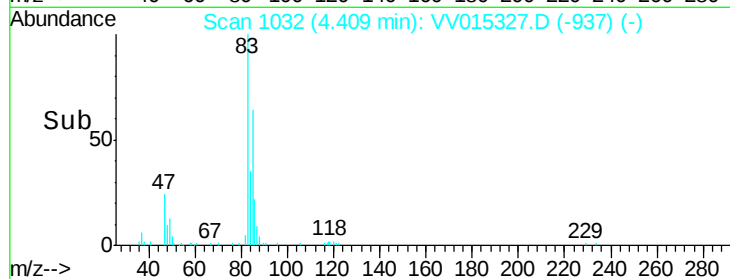
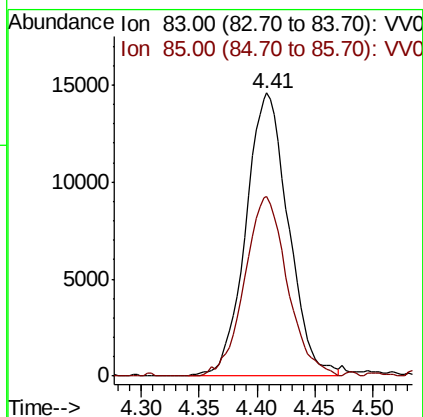
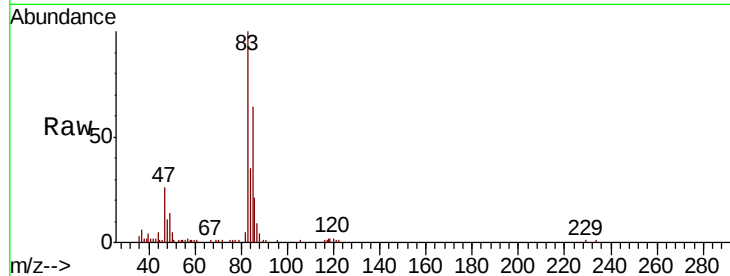




#25
Chloroform
Concen: 5.228 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV015327.D
Acq: 01 Apr 2020 10:45

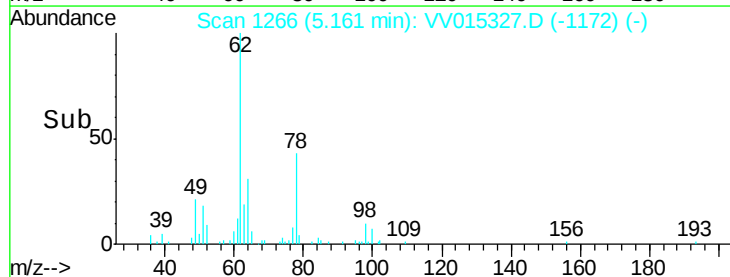
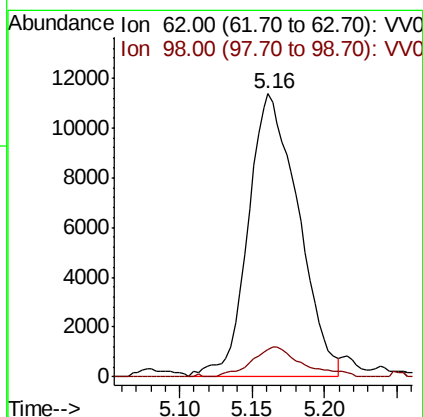
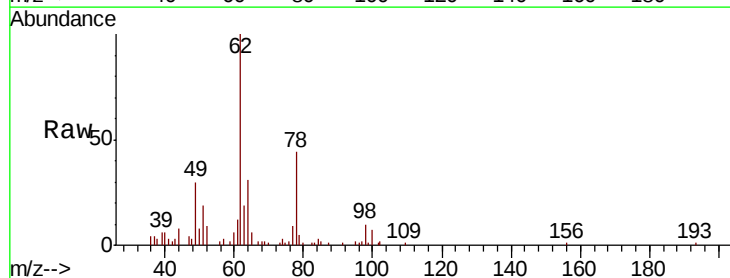
Instrument :
MSVOA_V
ClientSampleId :

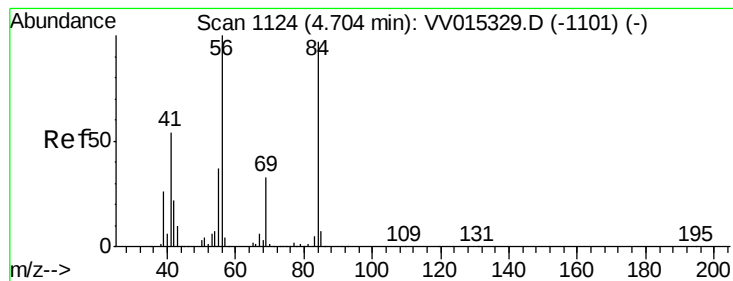
Tot Ion: 83 Resp: 37272
Ion Ratio Lower Upper
83 100
85 63.6 45.1 83.9



#27
1,2-Dichloroethane
Concen: 5.090 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV015327.D
Acq: 01 Apr 2020 10:45

Tgt Ion: 62 Resp: 27334
Ion Ratio Lower Upper
62 100
98 10.8 7.9 11.9





#29

Cyclohexane

Concen: 5.412 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

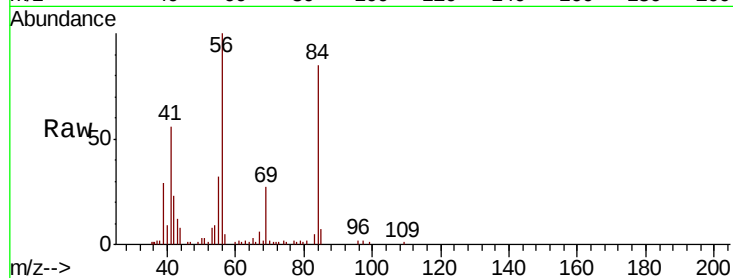
Lab File: VV015327.D

Acq: 01 Apr 2020 10:45

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 56 Resp: 32157

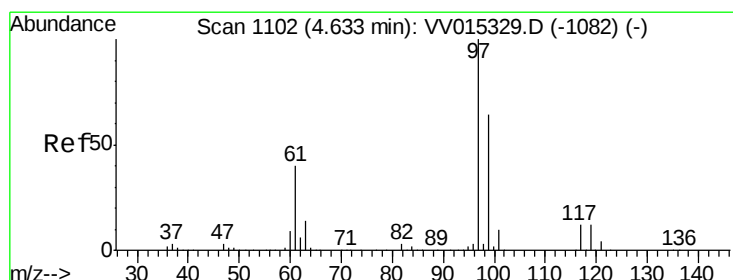
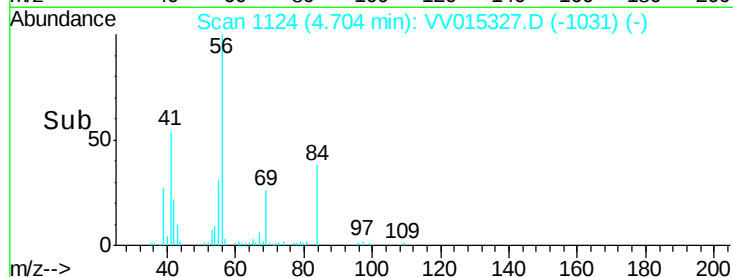
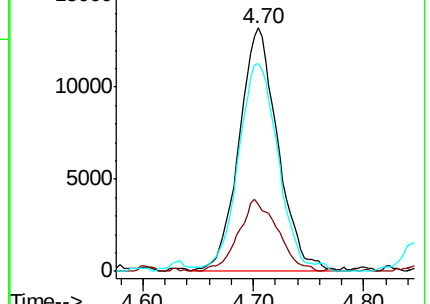
Ion	Ratio	Lower	Upper
56	100		
69	30.0	25.5	38.3
84	87.2	76.3	114.5



Abundance Ion 56.00 (55.70 to 56.70): VV015327.D (-1031) (-)

Ion 69.00 (68.70 to 69.70): VV015327.D (-1031) (-)

Ion 84.00 (83.70 to 84.70): VV015327.D (-1031) (-)



#30

1,1,1-Trichloroethane

Concen: 5.145 ug/L

RT: 4.64 min Scan# 1103

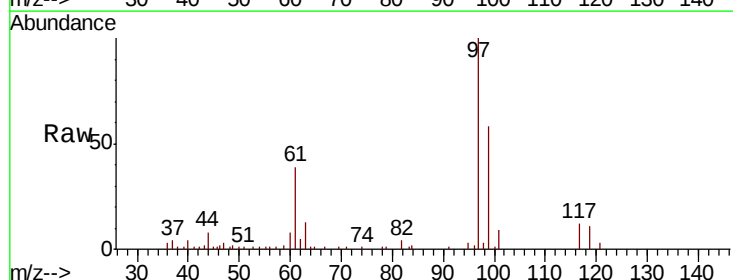
Delta R.T. 0.00 min

Lab File: VV015327.D

Acq: 01 Apr 2020 10:45

Tgt Ion: 97 Resp: 33017

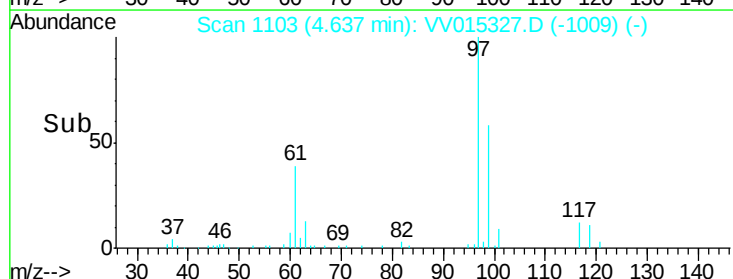
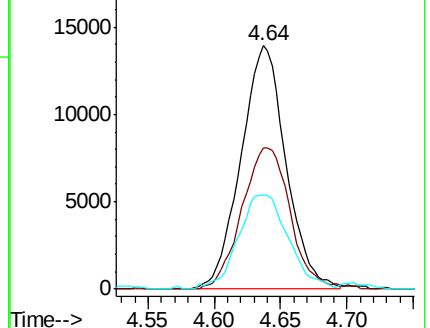
Ion	Ratio	Lower	Upper
97	100		
99	61.8	51.6	77.4
61	40.8	33.4	50.0

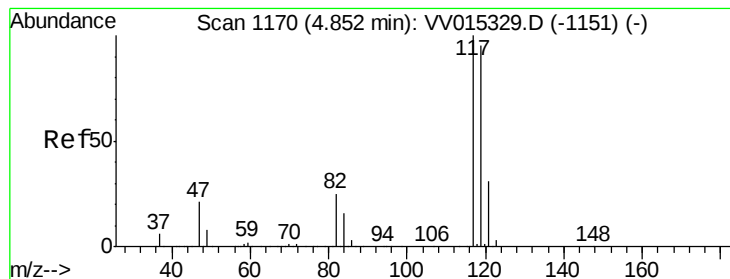


Abundance Ion 97.00 (96.70 to 97.70): VV015327.D (-1009) (-)

Ion 99.00 (98.70 to 99.70): VV015327.D (-1009) (-)

Ion 61.05 (60.75 to 61.75): VV015327.D (-1009) (-)





#31

Carbon tetrachloride

Concen: 4.919 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VV015327.D

Acq: 01 Apr 2020 10:45

Instrument :

MSVOA_V

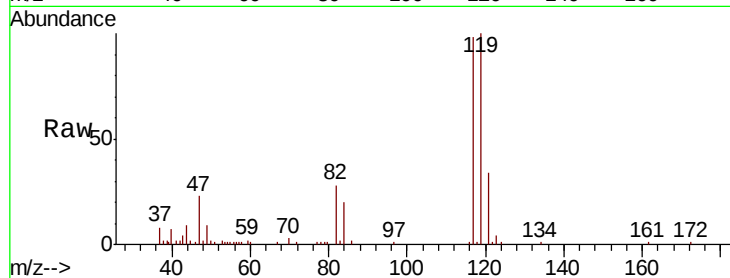
ClientSampleId :

Tot Ion:117 Resp: 26988

Ion Ratio Lower Upper

117 100

119 99.3 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.86

12000

10000

8000

6000

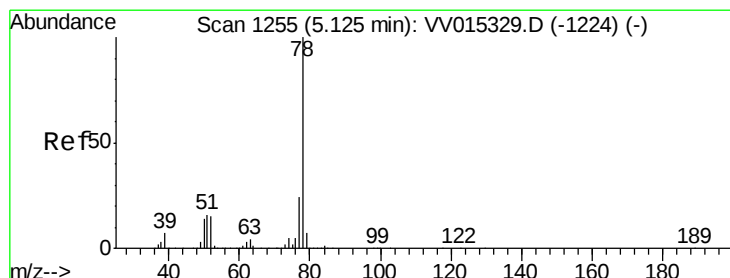
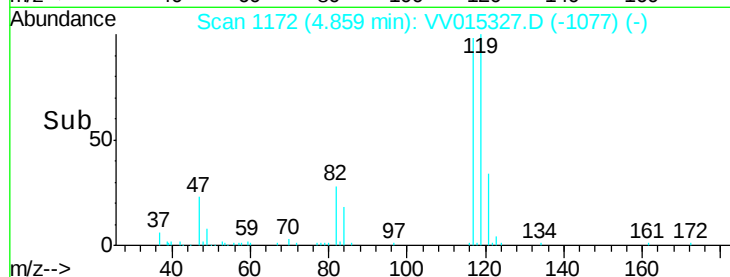
4000

2000

0

Time-->

4.75 4.80 4.85 4.90 4.95



#33

Benzene

Concen: 4.987 ug/L

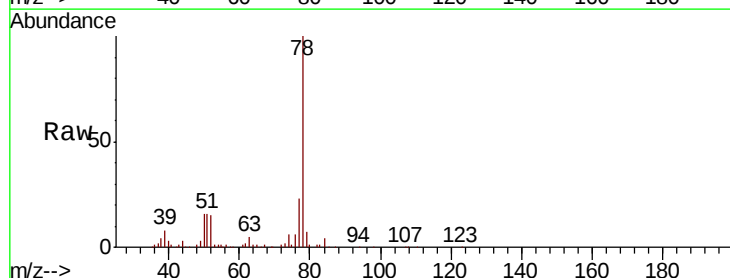
RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV015327.D

Acq: 01 Apr 2020 10:45

Tgt Ion: 78 Resp: 73724



Abundance Ion 78.00 (77.70 to 78.70): VV0

40000

30000

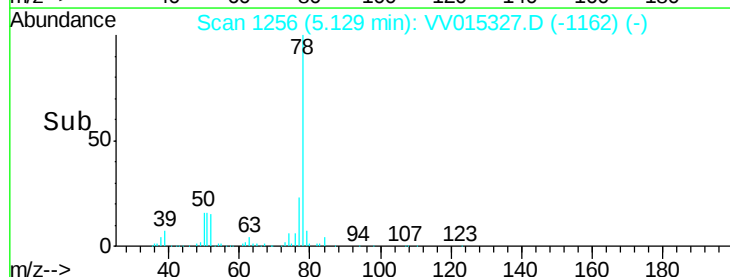
20000

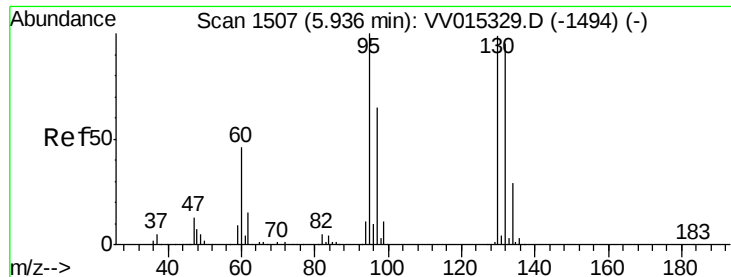
10000

0

Time-->

5.05 5.10 5.15 5.20





#34

Trichloroethene

Concen: 5.038 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV015327.D

Acq: 01 Apr 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 19719

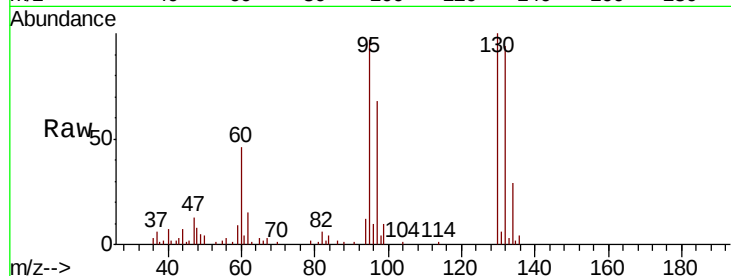
Ion Ratio Lower Upper

95 100

97 69.9 45.4 84.2

132 96.6 66.8 124.2

130 102.8 69.4 128.8

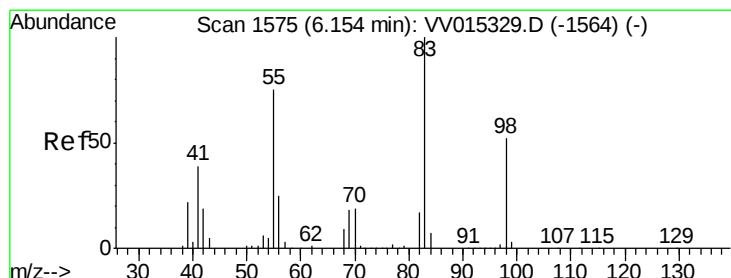
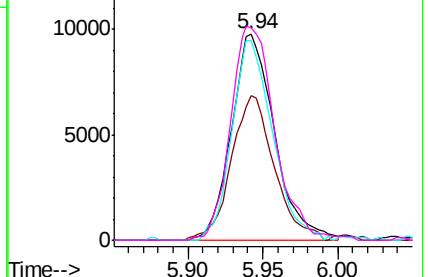
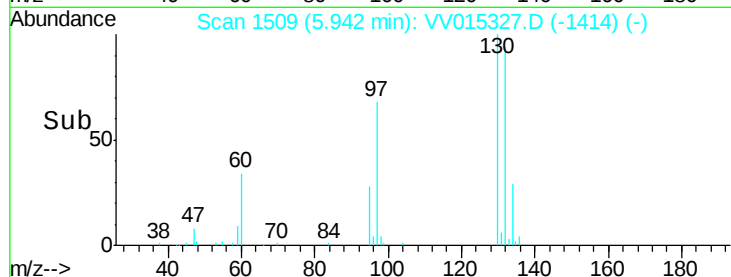


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 5.029 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV015327.D

Acq: 01 Apr 2020 10:45

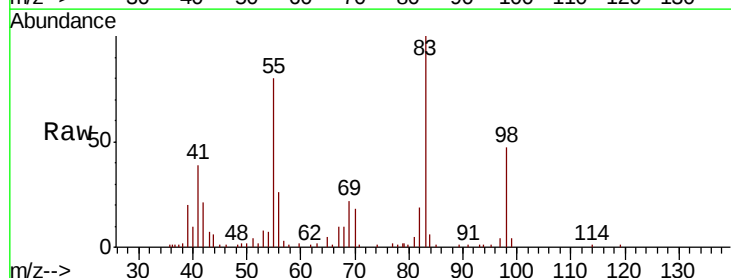
Tgt Ion: 83 Resp: 32245

Ion Ratio Lower Upper

83 100

55 77.9 57.9 86.9

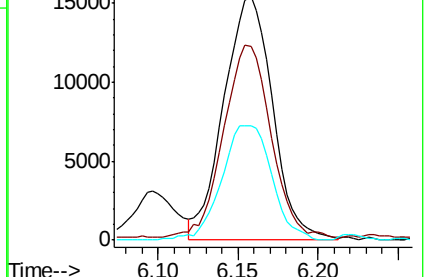
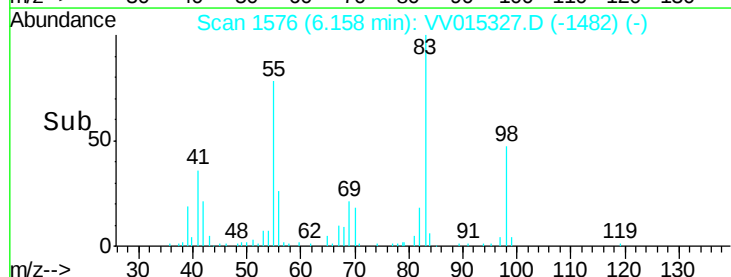
98 47.3 40.0 60.0

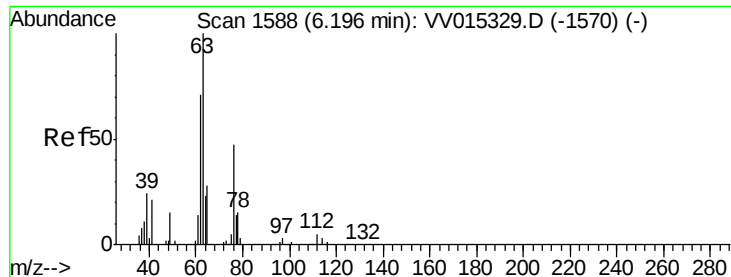


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

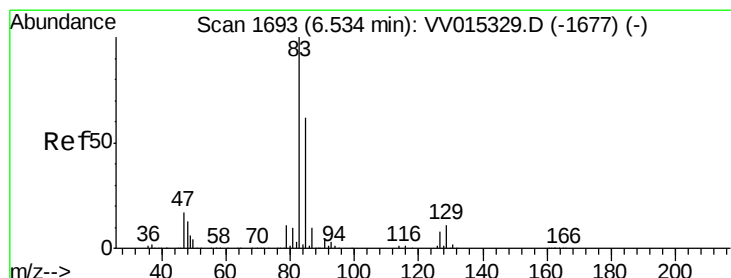
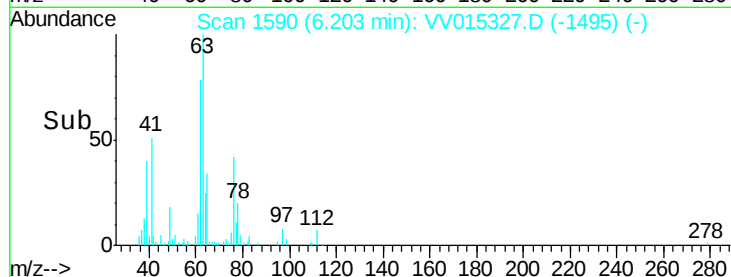
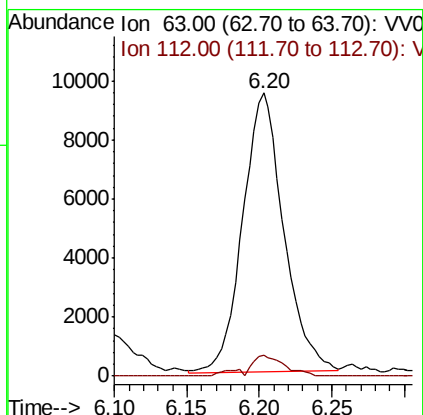
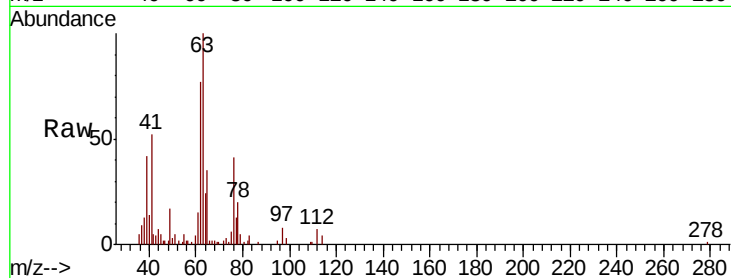




#37
 1,2-Dichloropropane
 Concen: 5.123 ug/L
 RT: 6.20 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: VV015327.D
 Acq: 01 Apr 2020 10:45

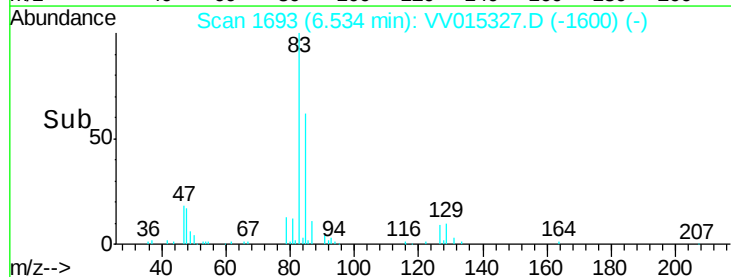
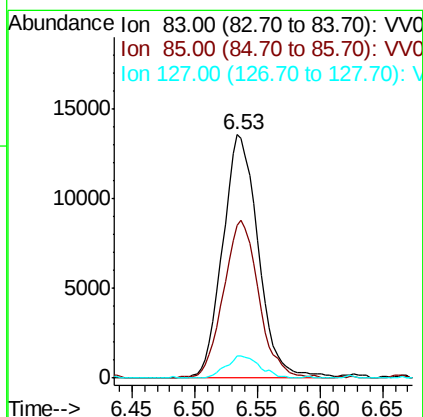
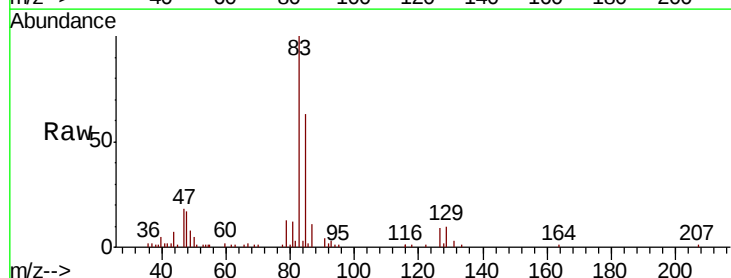
Instrument :
 MSVOA_V
 ClientSampled :

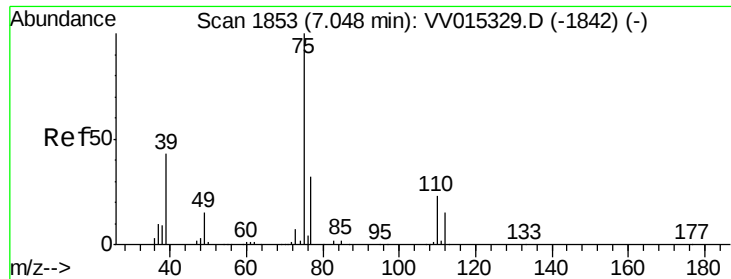
Tot Ion: 63 Resp: 18584
 Ion Ratio Lower Upper
 63 100
 112 5.2 3.8 5.8



#38
 Bromodichloromethane
 Concen: 5.037 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015327.D
 Acq: 01 Apr 2020 10:45

Tgt Ion: 83 Resp: 26788
 Ion Ratio Lower Upper
 83 100
 85 62.8 43.5 80.9
 127 9.0 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.829 ug/L

RT: 7.05 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VV015327.D

Acq: 01 Apr 2020 10:45

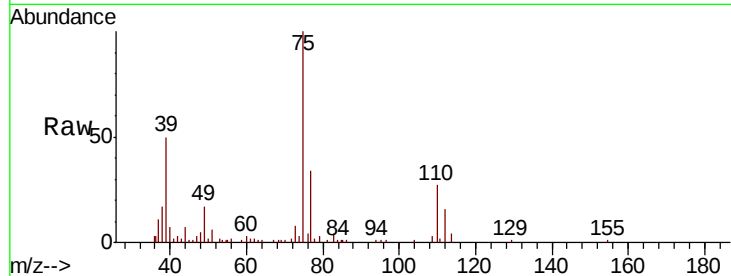
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 29440

Ion Ratio Lower Upper

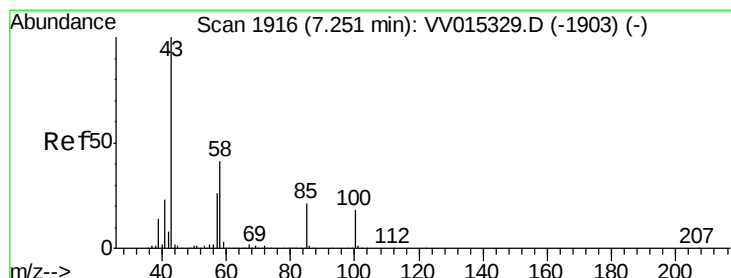
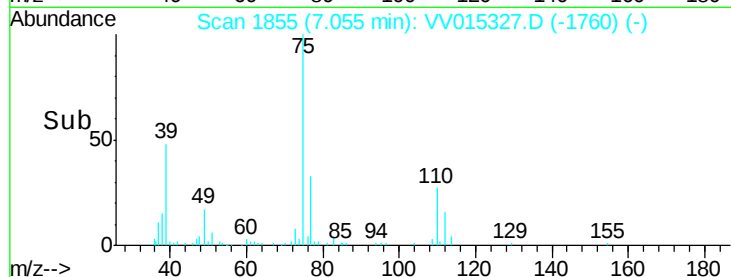
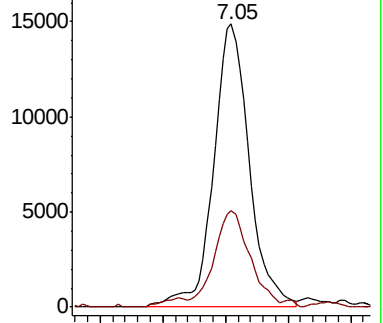
75 100

77 34.1 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#40

4-Methyl-2-pentanone

Concen: 9.760 ug/L

RT: 7.26 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VV015327.D

Acq: 01 Apr 2020 10:45

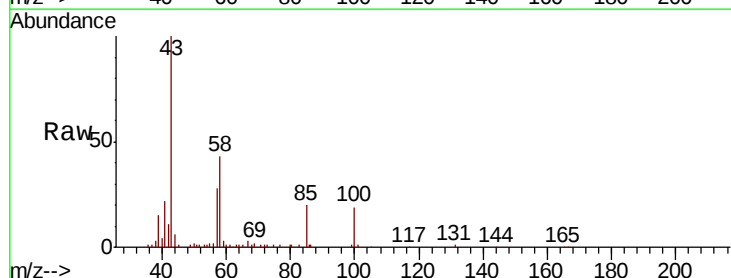
Tgt Ion: 43 Resp: 49778

Ion Ratio Lower Upper

43 100

58 42.3 33.3 49.9

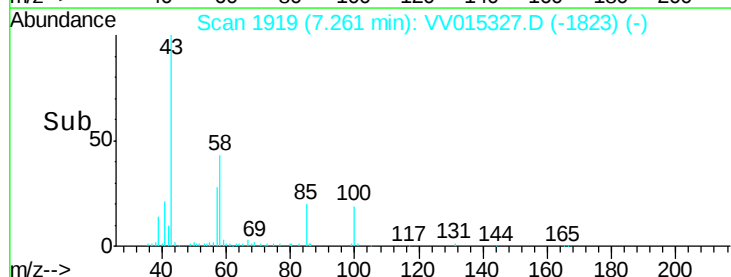
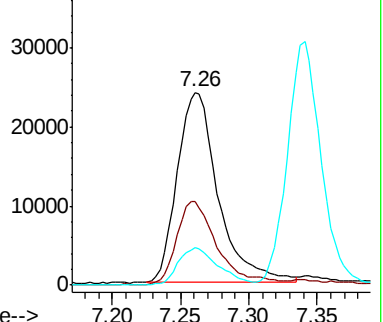
100 19.4 14.6 22.0

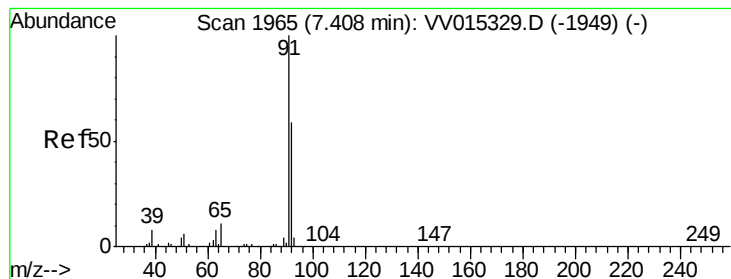


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#42

Toluene

Concen: 5.079 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV015327.D

Acq: 01 Apr 2020 10:45

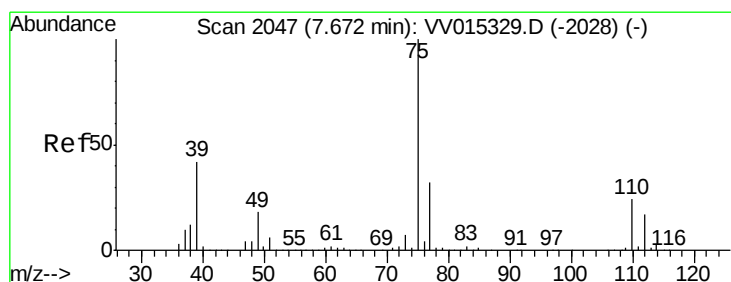
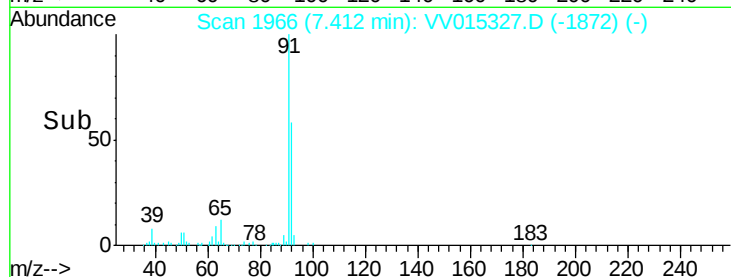
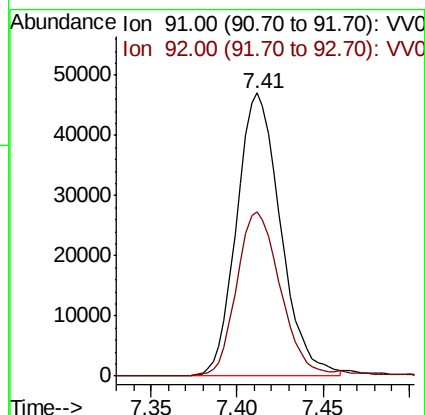
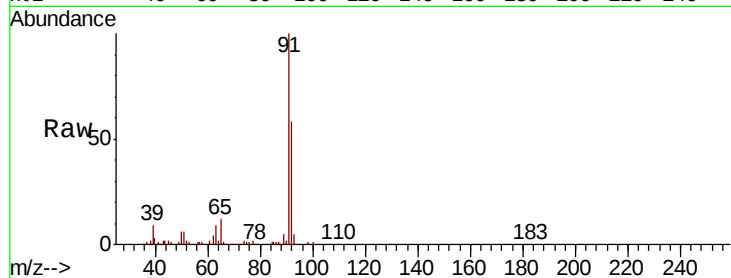
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 83443

Ion Ratio Lower Upper

91 100

92 58.2 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 4.768 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV015327.D

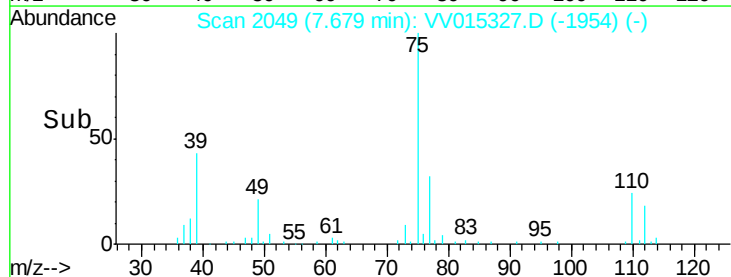
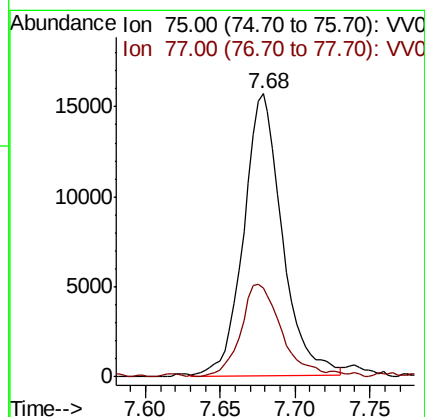
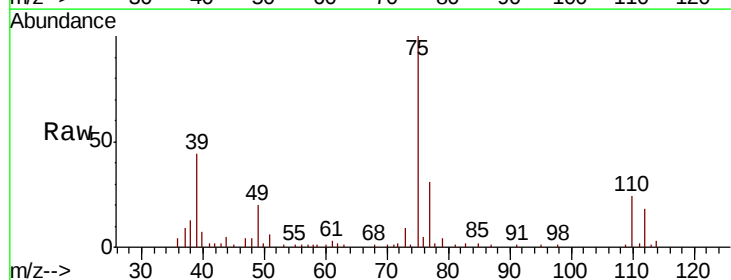
Acq: 01 Apr 2020 10:45

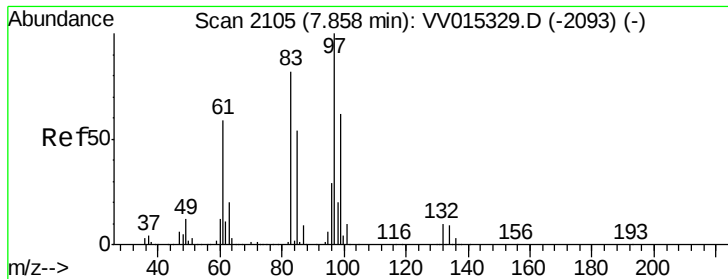
Tgt Ion: 75 Resp: 28248

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.7

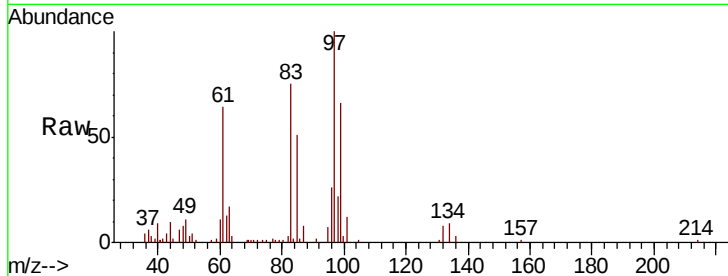




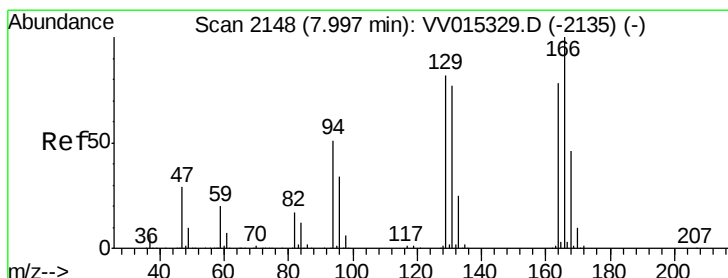
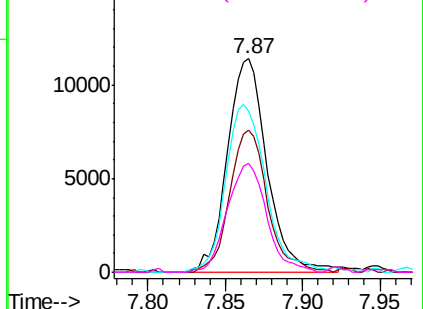
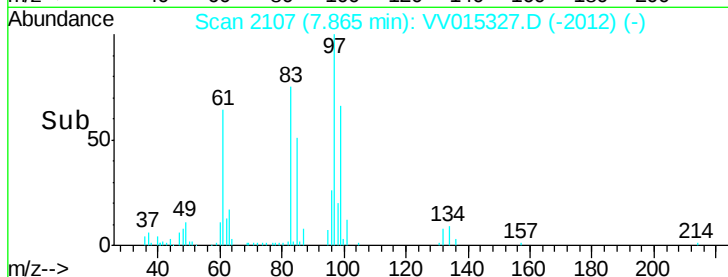
#45
 1,1,2-Trichloroethane
 Concen: 5.303 ug/L
 RT: 7.87 min Scan# 2107
 Delta R.T. 0.01 min
 Lab File: VV015327.D
 Acq: 01 Apr 2020 10:45

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	20286
Ion	Ratio	Lower	Upper
97	100		
99	66.4	43.5	80.7
83	75.4	57.3	106.5
85	50.8	37.7	70.1

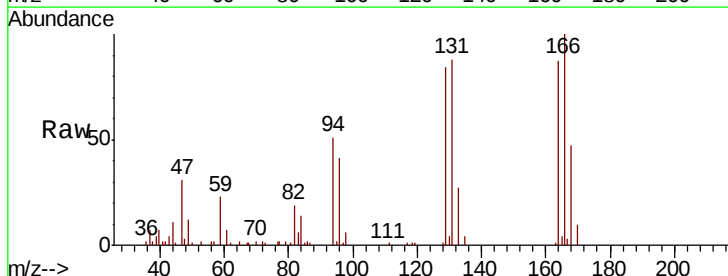


Abundance Ion 97.00 (96.70 to 97.70): VV015327.D (-2012) (-)

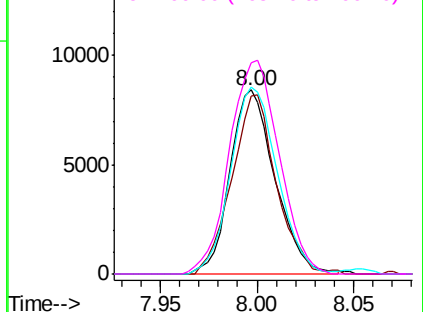
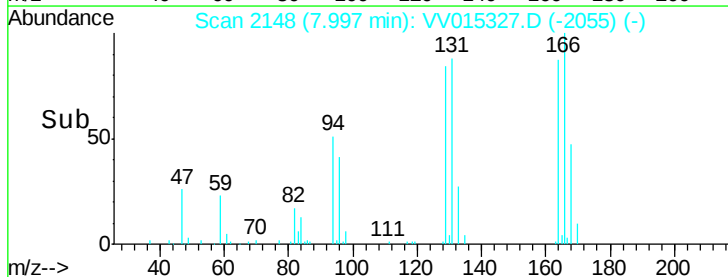


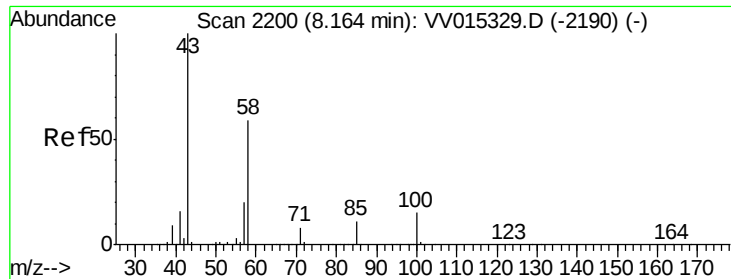
#46
 Tetrachloroethene
 Concen: 4.842 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015327.D
 Acq: 01 Apr 2020 10:45

Tgt Ion:	164	Resp:	13587
Ion	Ratio	Lower	Upper
164	100		
129	96.4	73.8	137.0
131	101.3	69.4	129.0
166	114.7	89.7	166.7



Abundance Ion 164.00 (163.70 to 164.70): VV015327.D (-2055) (-)

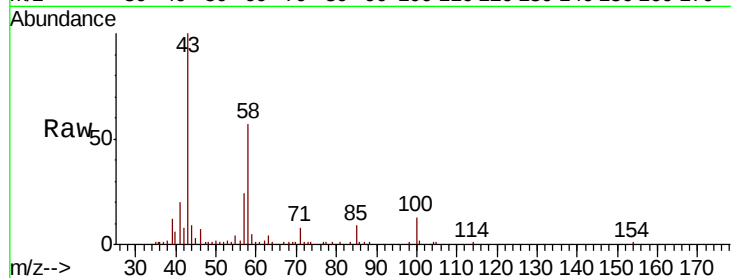




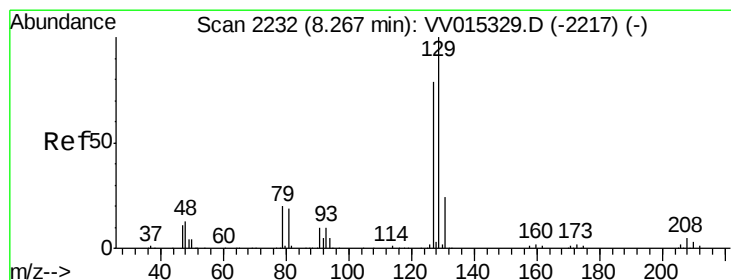
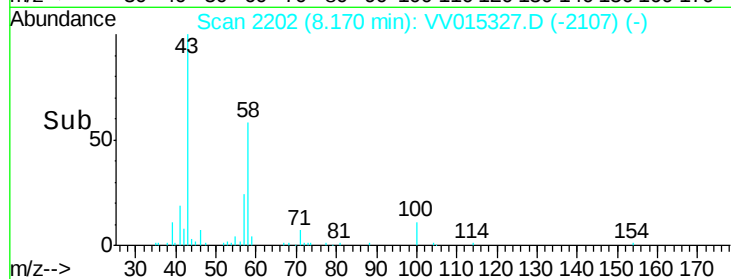
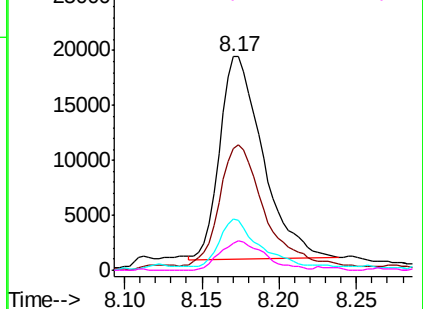
#48
2-Hexanone
Concen: 9.245 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV015327.D
Acq: 01 Apr 2020 10:45

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 35703
Ion Ratio Lower Upper
43 100
58 61.2 47.4 71.2
57 21.3 16.7 25.1
100 15.1 11.5 17.3

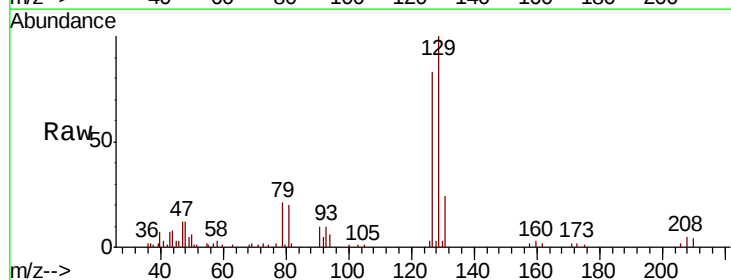


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

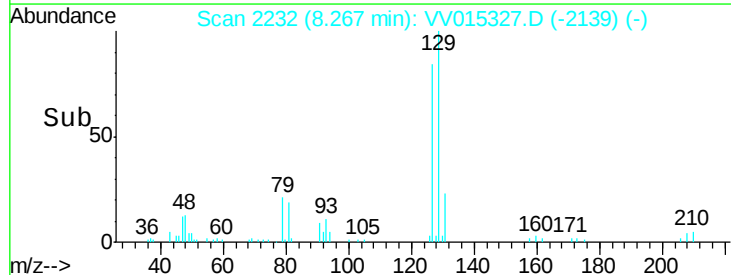
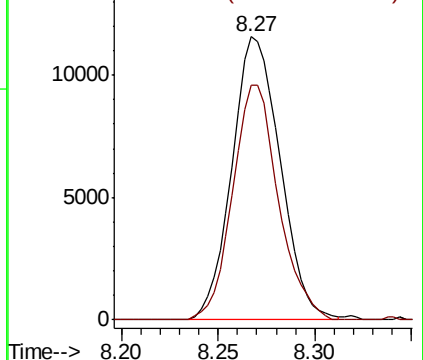


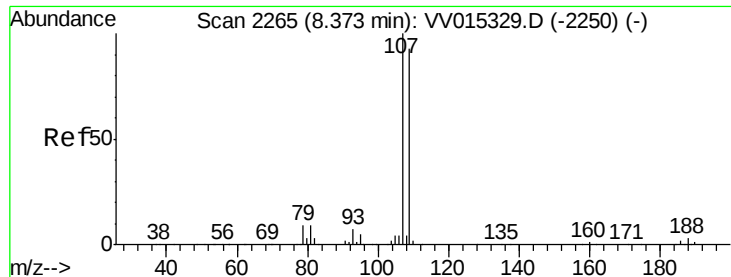
#49
Dibromochloromethane
Concen: 4.792 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015327.D
Acq: 01 Apr 2020 10:45

Tgt Ion: 129 Resp: 20078
Ion Ratio Lower Upper
129 100
127 82.7 55.2 102.6



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

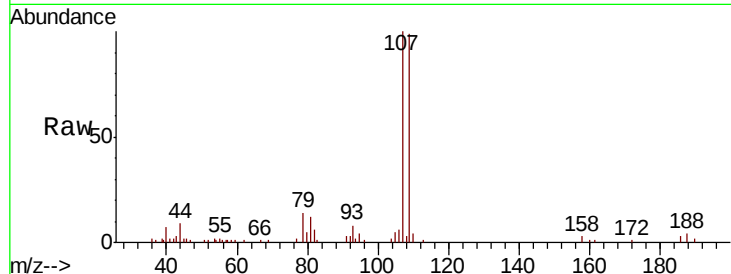




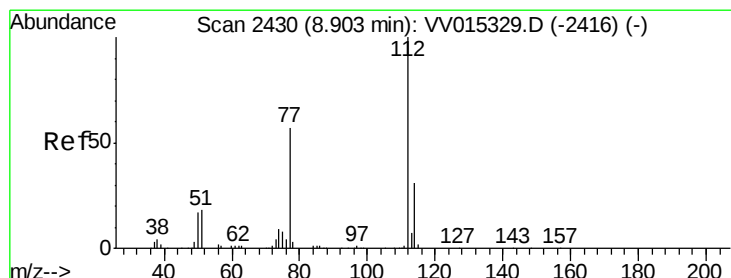
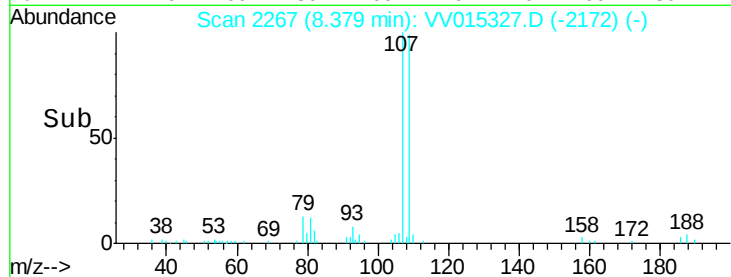
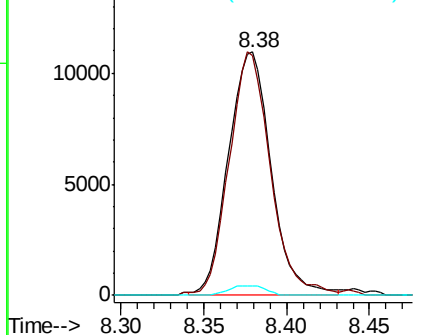
#50
 1,2-Dibromoethane
 Concen: 4.820 ug/L
 RT: 8.38 min Scan# 2267
 Delta R.T. 0.01 min
 Lab File: VV015327.D
 Acq: 01 Apr 2020 10:45

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	107	Resp	19684
Ion Ratio	Lower	Upper	
107	100		
109	98.7	65.0	120.8
188	3.8	2.4	3.6#

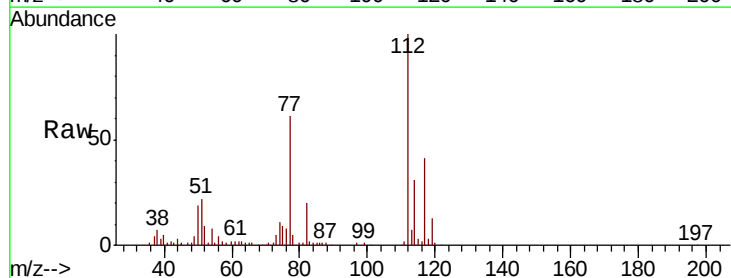


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

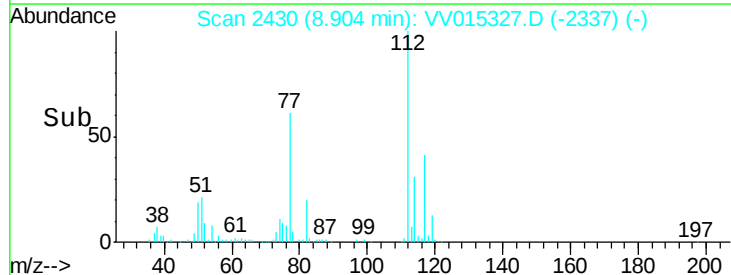
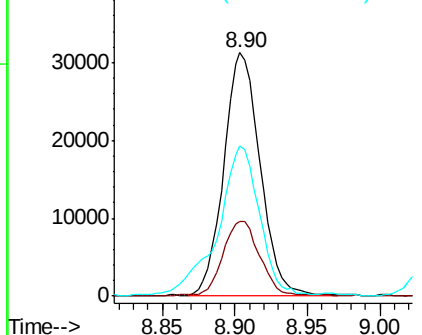


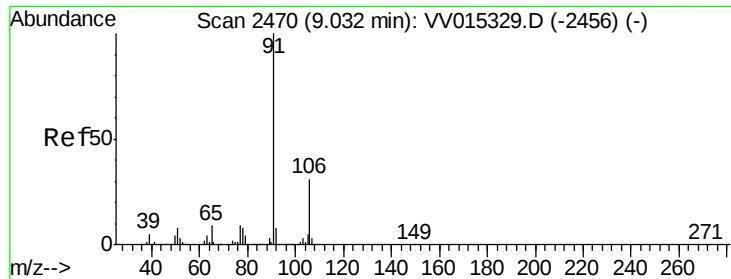
#51
 Chlorobenzene
 Concen: 5.059 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV015327.D
 Acq: 01 Apr 2020 10:45

Tgt Ion	112	Resp	54467
Ion Ratio	Lower	Upper	
112	100		
114	30.8	21.8	40.4
77	61.5	46.2	69.2



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 4.927 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV015327.D

Acq: 01 Apr 2020 10:45

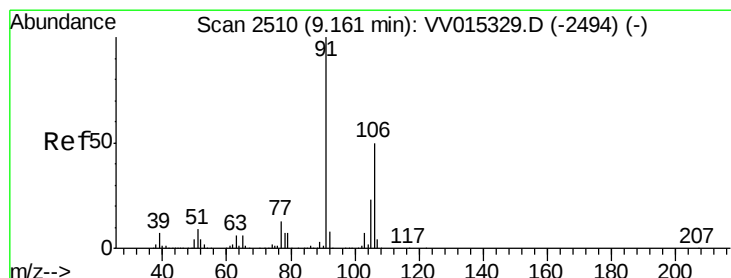
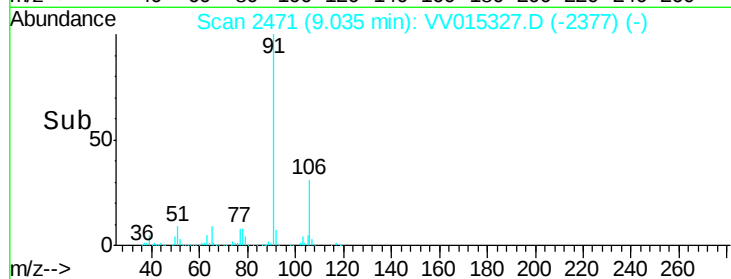
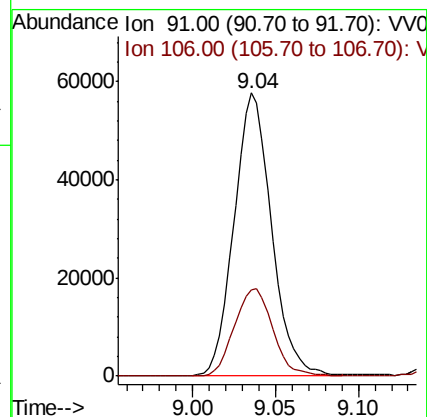
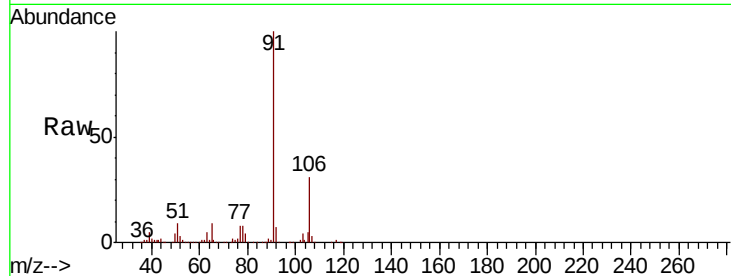
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 90847

Ion Ratio Lower Upper

91 100

106 30.7 21.8 40.6



#53

m,p-Xylene

Concen: 4.812 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VV015327.D

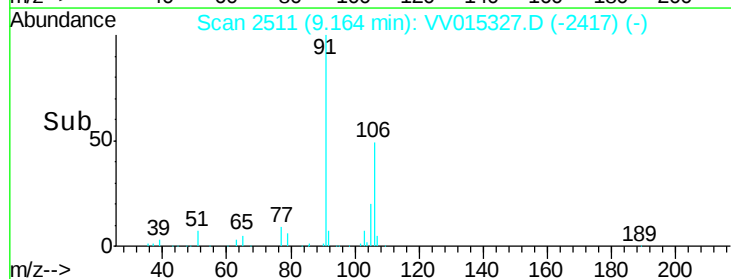
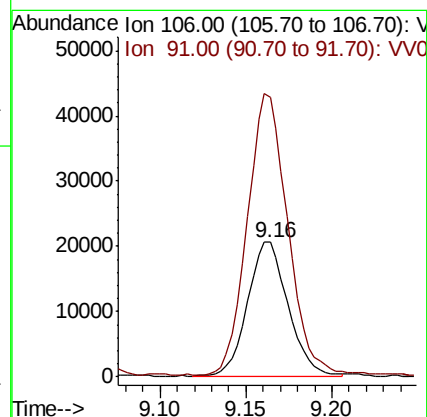
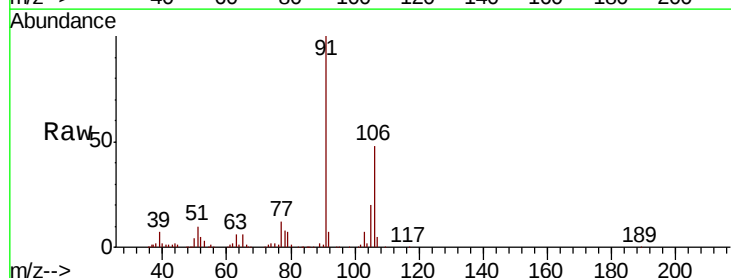
Acq: 01 Apr 2020 10:45

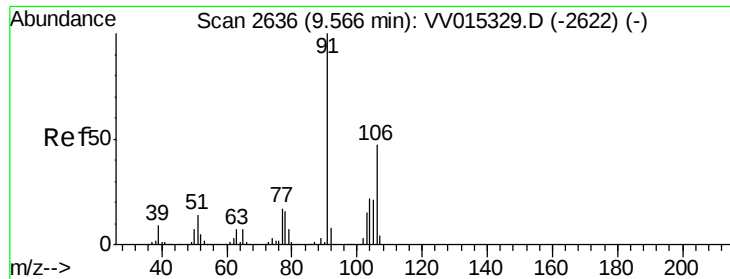
Tgt Ion: 106 Resp: 34168

Ion Ratio Lower Upper

106 100

91 207.5 139.7 259.5

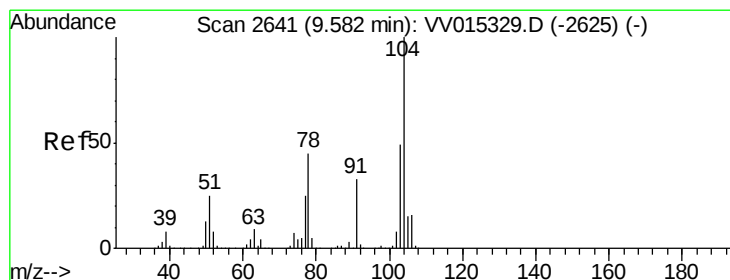
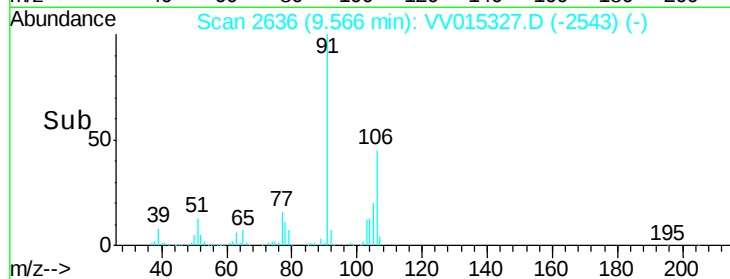
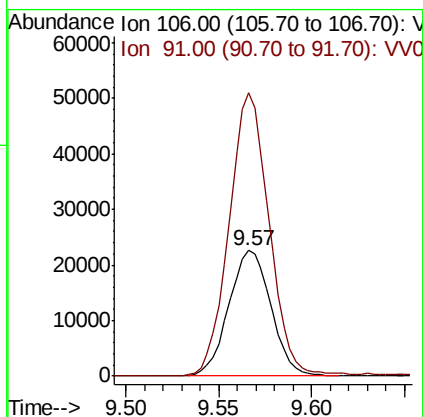
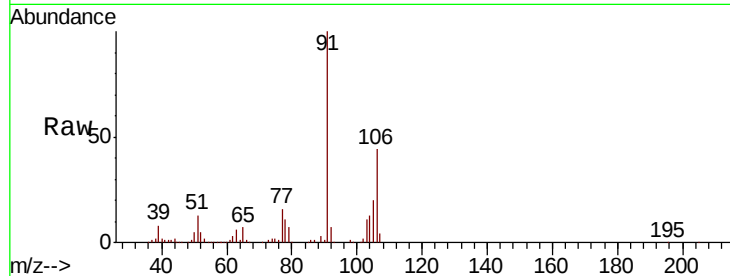




#54
o-xylene
Concen: 5.036 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV015327.D
Acq: 01 Apr 2020 10:45

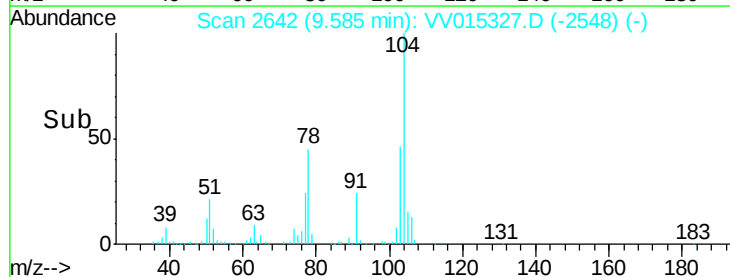
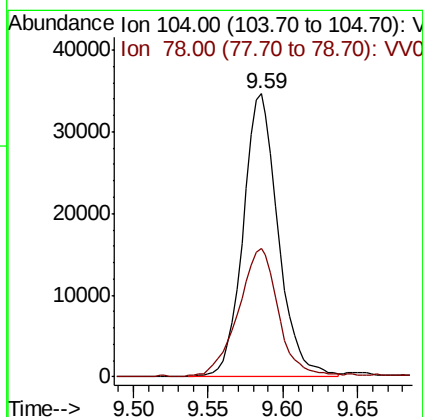
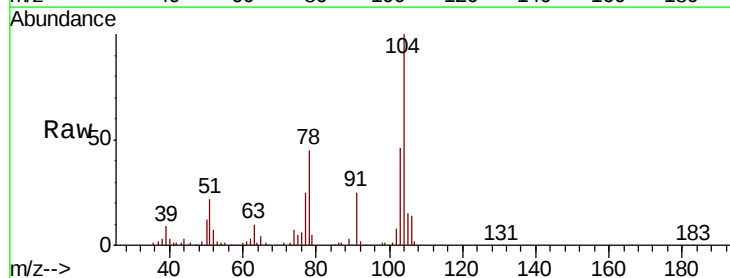
Instrument :
MSVOA_V
ClientSampled :

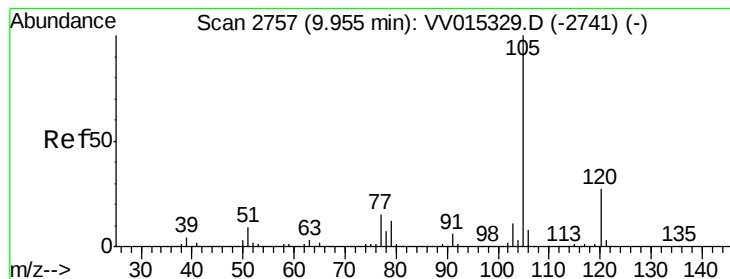
Tot Ion:106 Resp: 35816
Ion Ratio Lower Upper
106 100
91 225.2 148.0 274.8



#55
Styrene
Concen: 4.782 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV015327.D
Acq: 01 Apr 2020 10:45

Tgt Ion:104 Resp: 56551
Ion Ratio Lower Upper
104 100
78 45.5 31.5 58.5





#56

Isopropylbenzene

Concen: 4.848 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV015327.D

Acq: 01 Apr 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

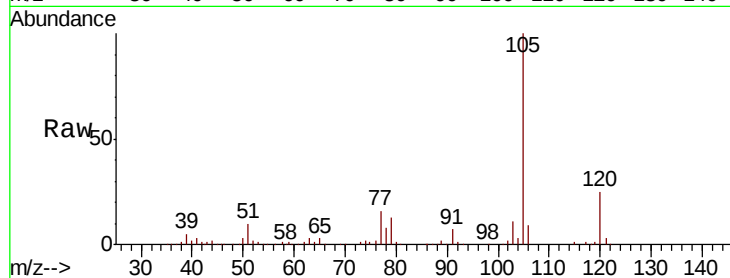
Tot Ion:105 Resp: 89316

Ion Ratio Lower Upper

105 100

120 25.7 21.4 32.0

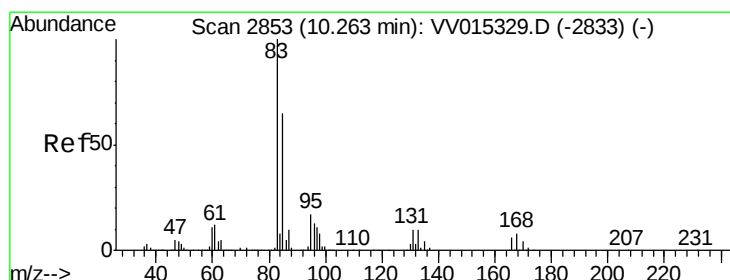
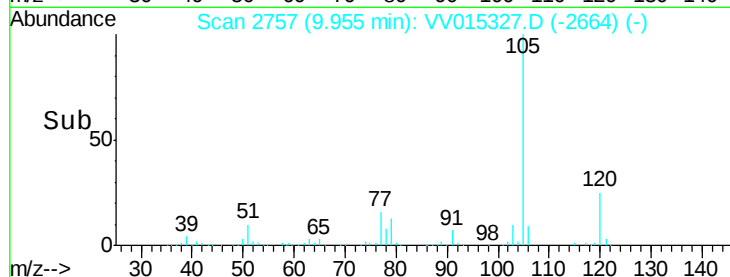
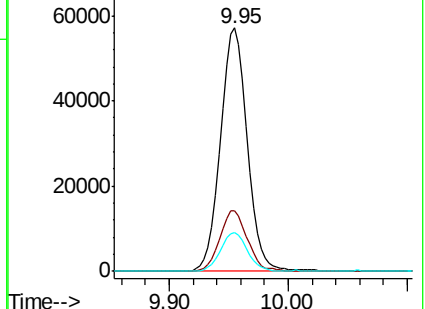
77 16.1 12.4 18.6



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: 5.184 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015327.D

Acq: 01 Apr 2020 10:45

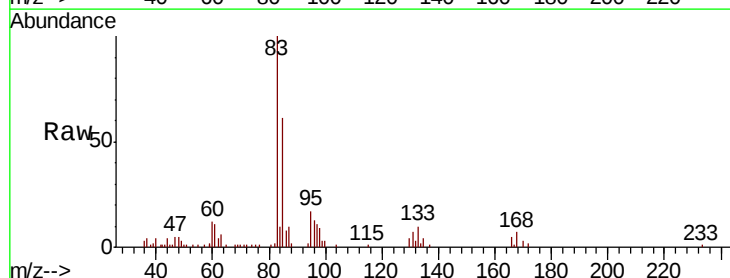
Tgt Ion: 83 Resp: 31837

Ion Ratio Lower Upper

83 100

85 61.4 45.4 84.4

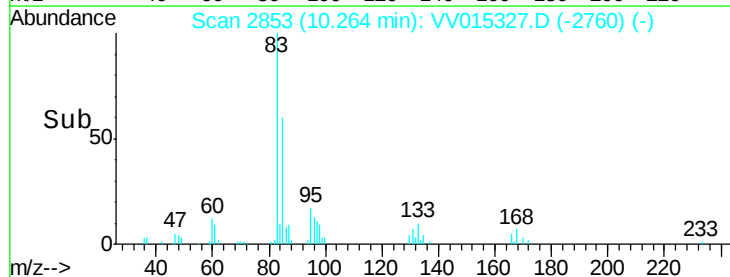
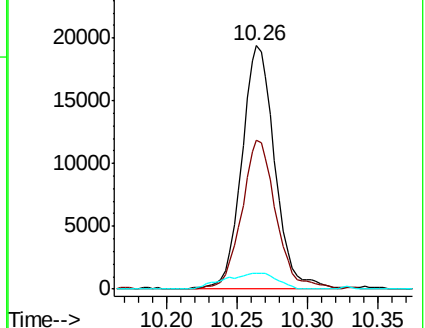
131 6.6 8.0 12.0#

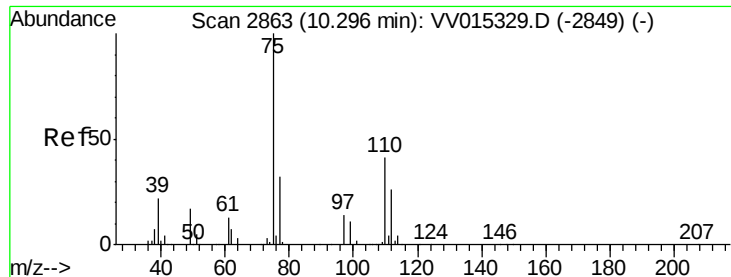


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

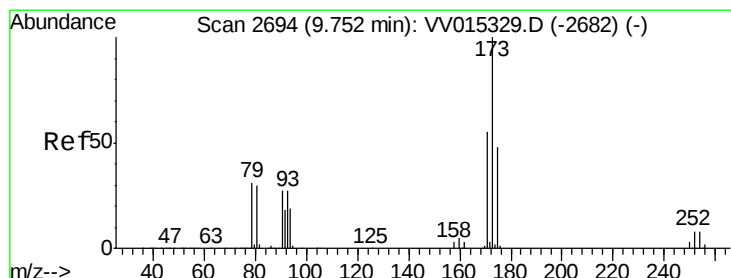
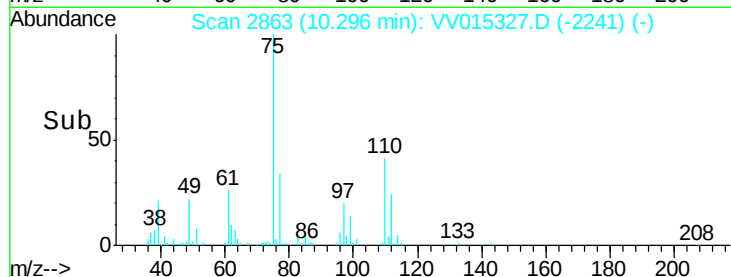
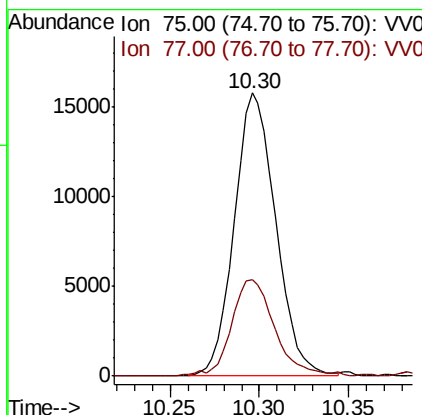
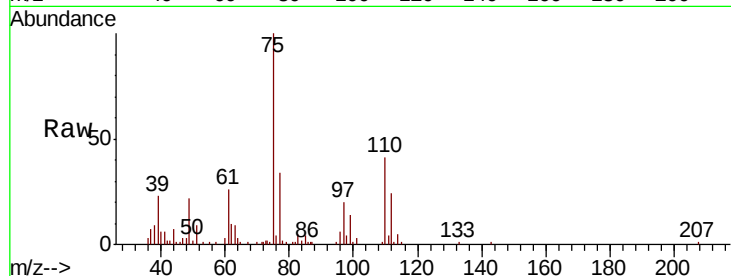




#59
 1,2,3-Trichloropropane
 Concen: 5.214 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV015327.D
 Acq: 01 Apr 2020 10:45

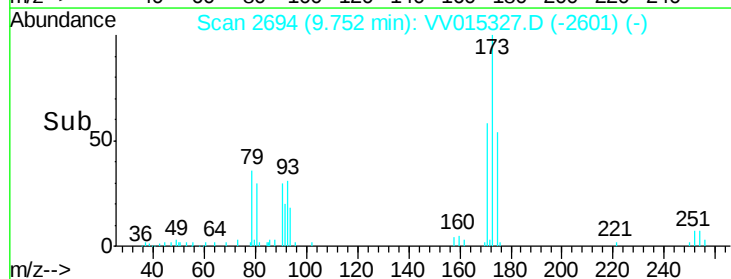
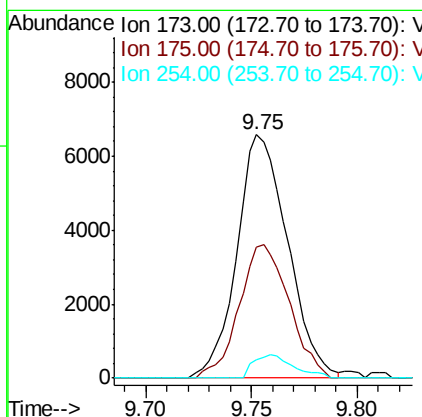
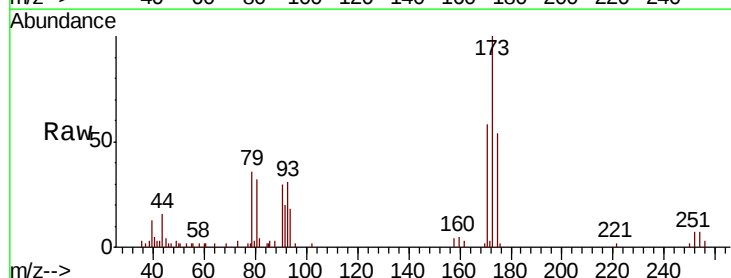
Instrument :
 MSVOA_V
 ClientSampleId :

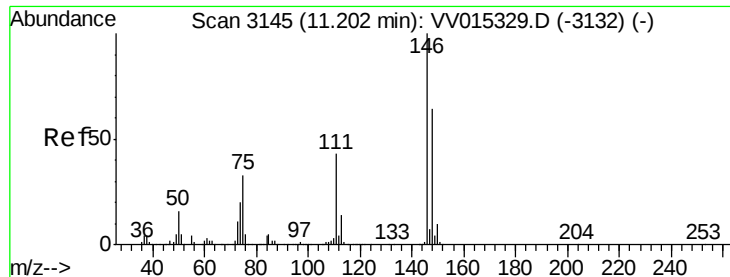
Tot Ion: 75 Resp: 25541
 Ion Ratio Lower Upper
 75 100
 77 34.5 25.4 38.0



#61
 Bromoform
 Concen: 4.423 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV015327.D
 Acq: 01 Apr 2020 10:45

Tgt Ion: 173 Resp: 10989
 Ion Ratio Lower Upper
 173 100
 175 54.0 39.0 58.6
 254 7.5 5.9 8.9

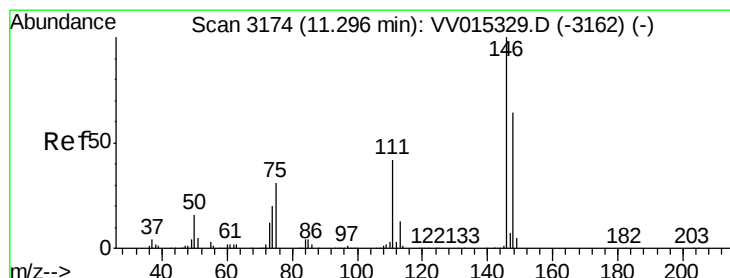
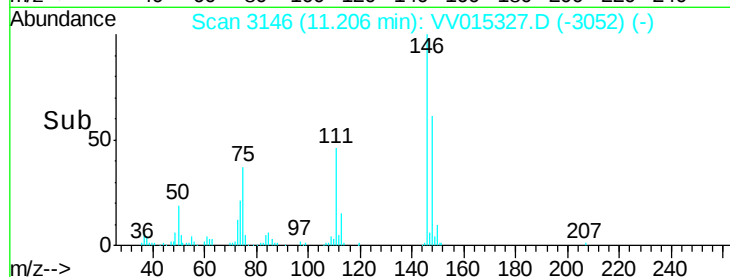
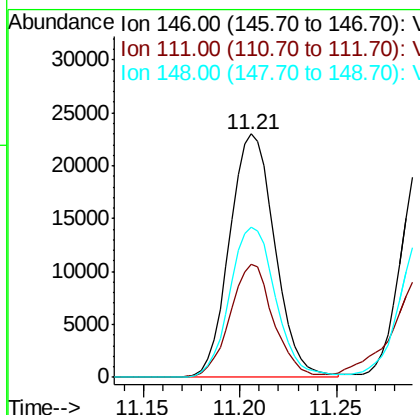
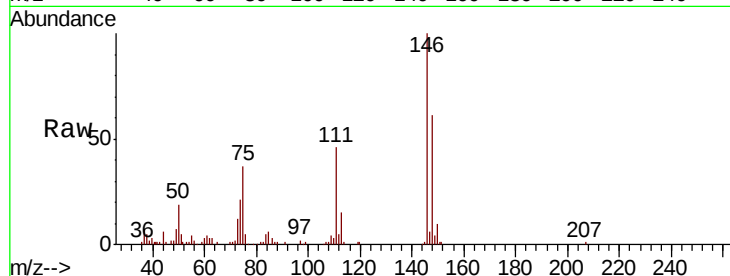




#62
 1,3-Dichlorobenzene
 Concen: 5.000 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV015327.D
 Acq: 01 Apr 2020 10:45

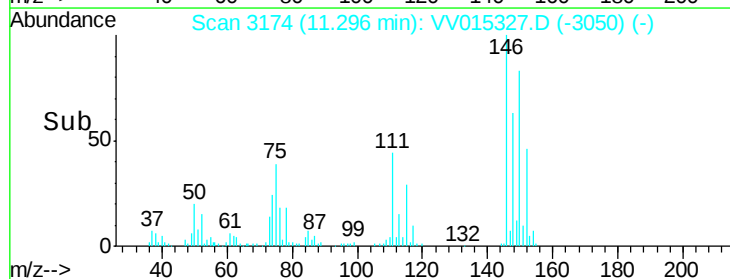
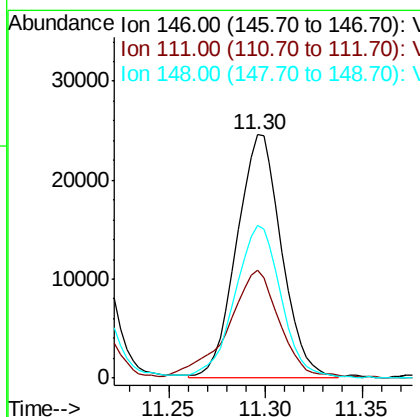
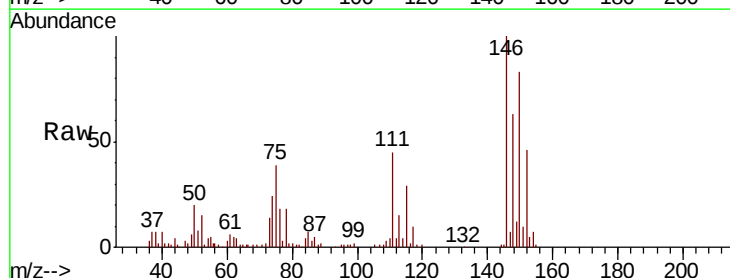
Instrument :
 MSVOA_V
 ClientSampleId :

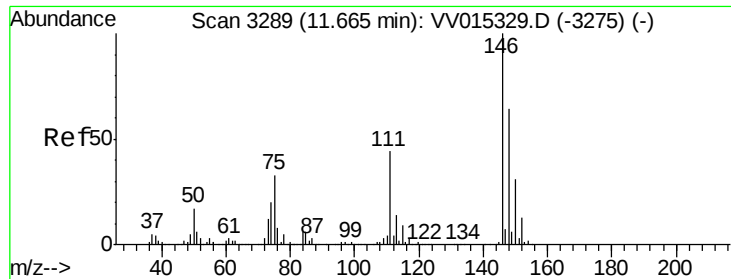
Tot Ion:146 Resp: 37442
 Ion Ratio Lower Upper
 146 100
 111 46.3 30.2 56.2
 148 61.4 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 5.234 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV015327.D
 Acq: 01 Apr 2020 10:45

Tgt Ion:146 Resp: 39749
 Ion Ratio Lower Upper
 146 100
 111 44.5 29.3 54.5
 148 62.8 44.7 82.9





#65

1,2-Dichlorobenzene

Concen: 5.083 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015327.D

Acq: 01 Apr 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

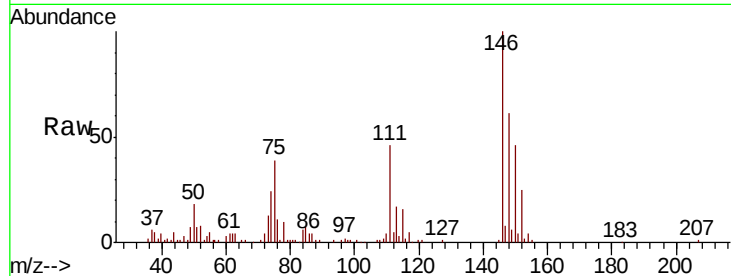
Tot Ion:146 Resp: 38821

Ion Ratio Lower Upper

146 100

111 45.5 35.1 52.7

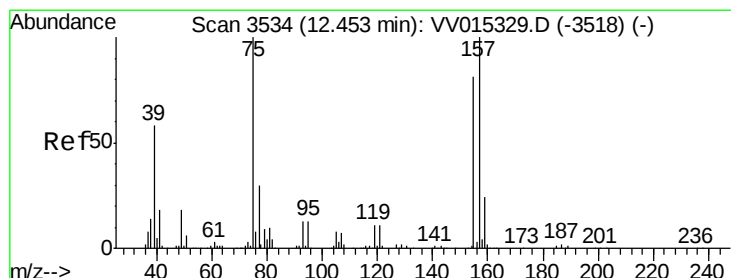
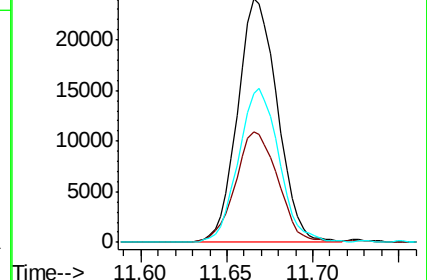
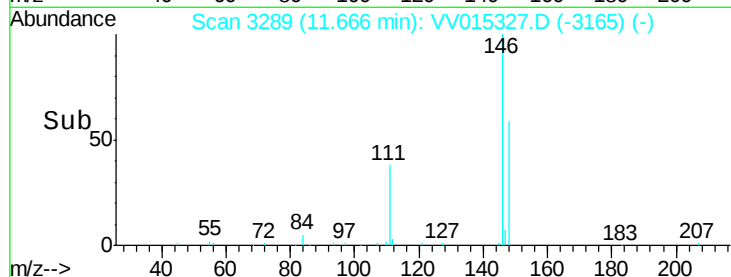
148 61.4 51.0 76.4



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: 5.449 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015327.D

Acq: 01 Apr 2020 10:45

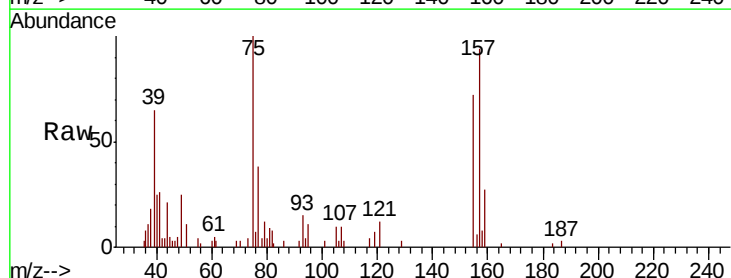
Tgt Ion: 75 Resp: 8218

Ion Ratio Lower Upper

75 100

155 71.6 64.5 96.7

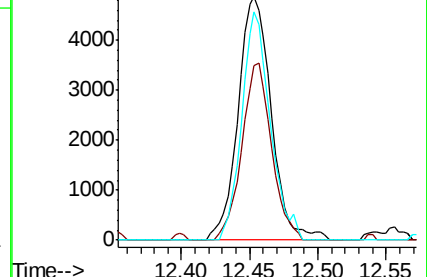
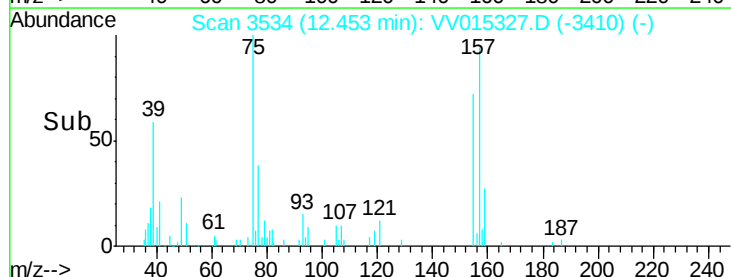
157 93.6 79.8 119.6

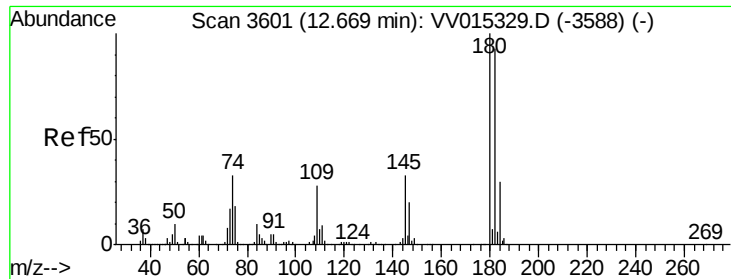


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

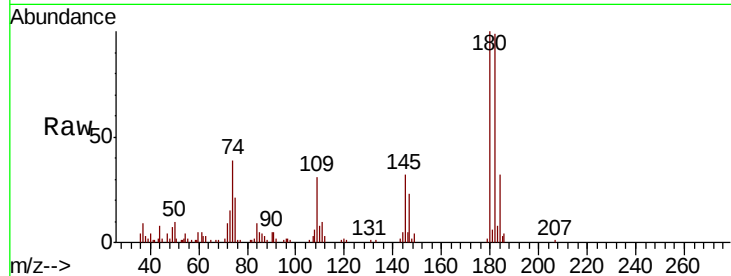




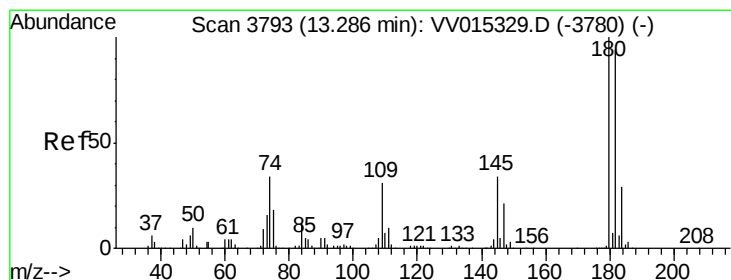
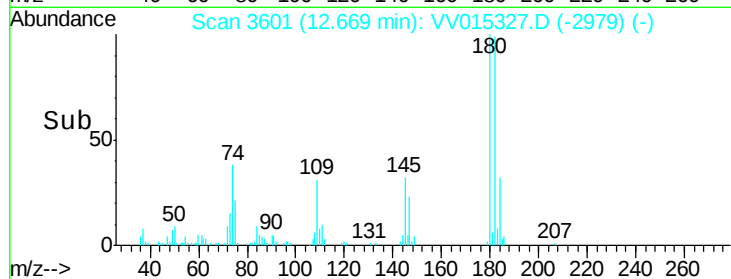
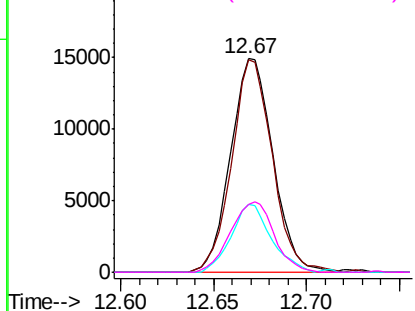
#67
 1,3,5-Trichlorobenzene
 Concen: 4.772 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015327.D
 Acq: 01 Apr 2020 10:45

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 23679
 Ion Ratio Lower Upper
 180 100
 182 95.1 74.7 112.1
 184 29.9 23.7 35.5
 145 34.0 26.8 40.2

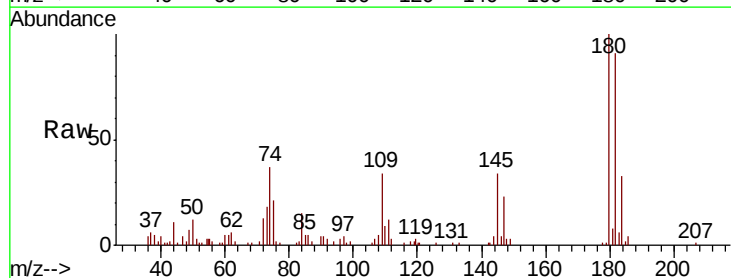


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

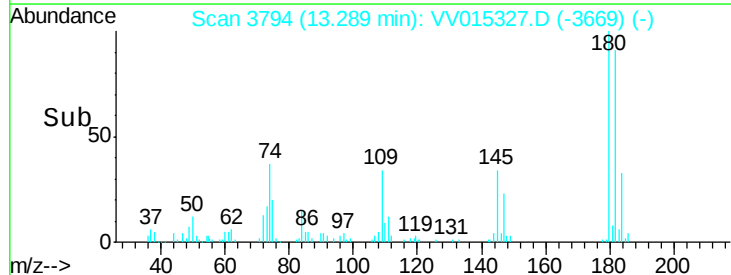
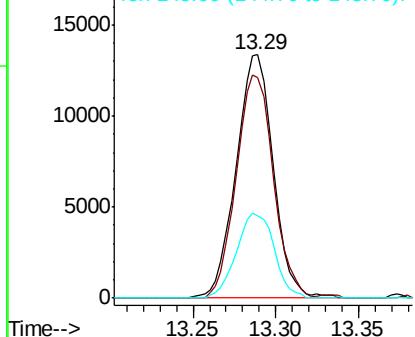


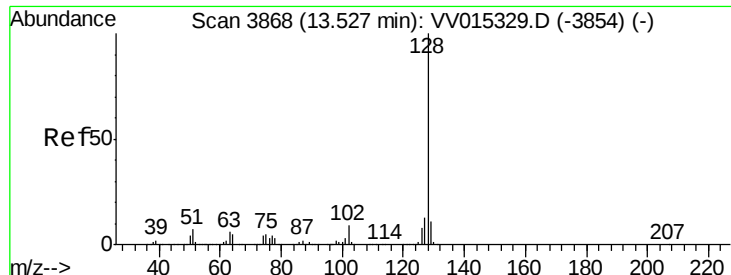
#68
 1,2,4-trichlorobenzene
 Concen: 4.596 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.00 min
 Lab File: VV015327.D
 Acq: 01 Apr 2020 10:45

Tgt Ion:180 Resp: 20833
 Ion Ratio Lower Upper
 180 100
 182 91.6 75.8 113.8
 145 35.3 27.7 41.5



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: 4.770 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV015327.D

Acq: 01 Apr 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

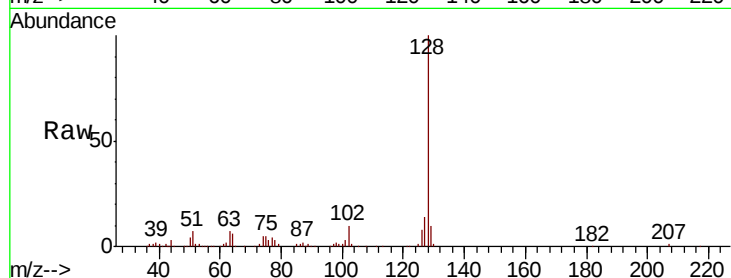
Tot Ion:128 Resp: 82658

Ion Ratio Lower Upper

128 100

127 13.7 10.3 15.5

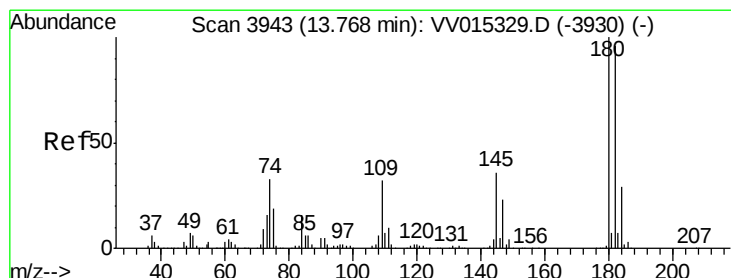
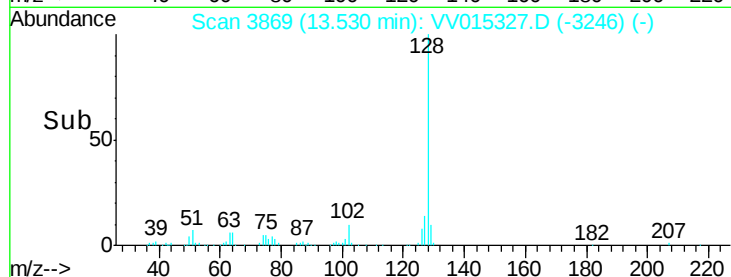
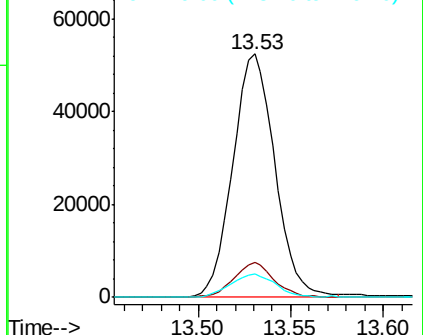
129 10.4 8.6 13.0



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: 4.675 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VV015327.D

Acq: 01 Apr 2020 10:45

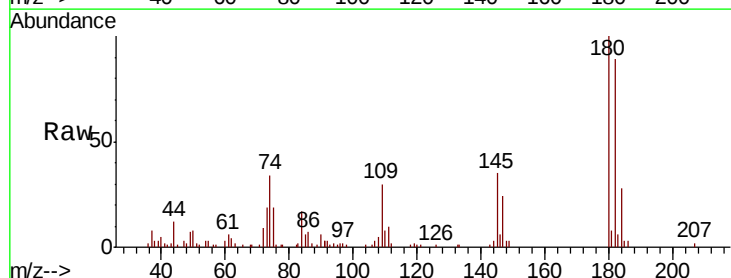
Tgt Ion:180 Resp: 21827

Ion Ratio Lower Upper

180 100

182 94.1 76.1 114.1

145 36.1 28.2 42.4



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

