

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033120\
 Data File : VV015324.D
 Acq On : 31 Mar 2020 19:26
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 01 01:27:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM033020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 01 01:17:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	629861	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	638629	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	299206	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	163819	35.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.34%
7) Chloroethane-d5	1.58	69	166634	38.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.98%
11) 1,1-Dichloroethene-d2	2.12	63	369779	37.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.68%
21) 2-Butanone-d5	3.92	46	280034	93.24	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.24%
24) Chloroform-d	4.38	84	364949	44.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	5.06	65	234472	43.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.90%
32) Benzene-d6	5.08	84	673657	40.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.82%
36) 1,2-Dichloropropane-d6	6.09	67	221086	42.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.82%
41) Toluene-d8	7.34	98	657750	40.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.56%
43) trans-1,3-Dichloropropene-	7.64	79	117311	41.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.64%
47) 2-Hexanone-d5	8.11	63	233188	95.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.34%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	344512	44.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.56%
64) 1,2-Dichlorobenzene-d4	11.65	152	248400	41.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.42%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	214656	48.442	ug/L 99
3) Chloromethane	1.25	50	237281	47.153	ug/L 99
5) Vinyl chloride	1.32	62	251162	47.310	ug/L 98
6) Bromomethane	1.53	94	163114	45.929	ug/L 99
8) Chloroethane	1.60	64	181082	49.464	ug/L 98
9) Trichlorofluoromethane	1.77	101	474744	52.903	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	224556	46.666	ug/L 100
12) 1,1-Dichloroethene	2.13	96	213501	45.832	ug/L 97
13) Acetone	2.20	43	177242	86.482	ug/L 100
14) Carbon disulfide	2.31	76	480784	42.412	ug/L 98
15) Methyl Acetate	2.46	43	203504	49.451	ug/L 98
16) Methylene chloride	2.52	84	204656	46.958	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	184863	47.356	ug/L 97
18) Methyl tert-butyl Ether	2.79	73	642266	48.322	ug/L 98
19) 1,1-Dichloroethane	3.21	63	359322	49.371	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	218226	49.730	ug/L # 96
22) 2-Butanone	4.01	43	288309	96.502	ug/L 98

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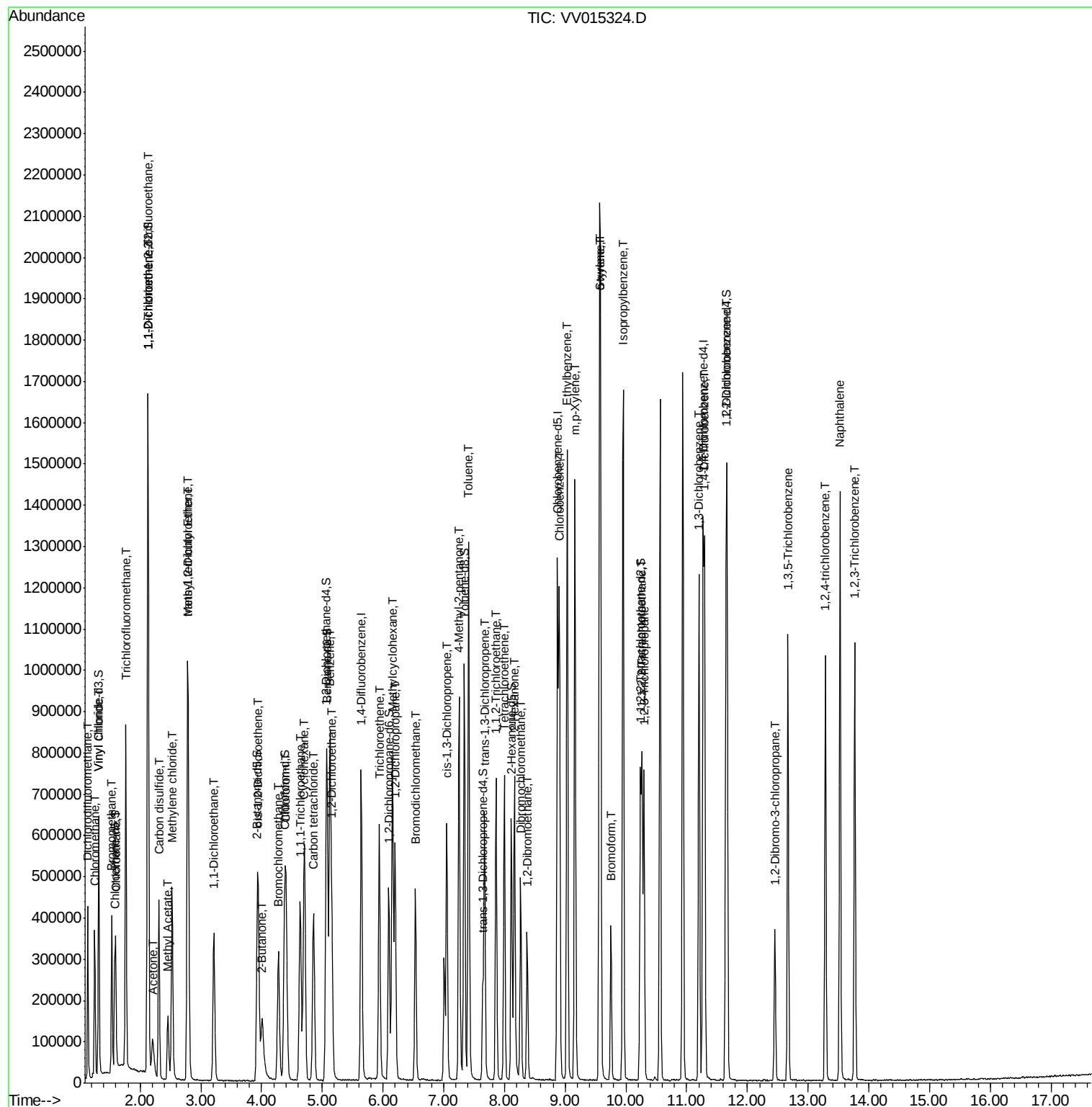
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	104455	48.355	uq/L	99
25) Chloroform	4.41	83	383842	49.395	uq/L	98
27) 1,2-Dichloroethane	5.16	62	314071	50.816	uq/L	100
29) Cyclohexane	4.70	56	322361	47.587	uq/L	99
30) 1,1,1-Trichloroethane	4.64	97	352655	48.703	uq/L	100
31) Carbon tetrachloride	4.86	117	288526	47.036	uq/L	98
33) Benzene	5.13	78	822212	48.633	uq/L	100
34) Trichloroethene	5.94	95	215669	47.552	uq/L	97
35) Methylcyclohexane	6.16	83	342709	48.176	uq/L	99
37) 1,2-Dichloropropane	6.20	63	210247	48.891	uq/L	99
38) Bromodichloromethane	6.53	83	303790	49.125	uq/L	98
39) cis-1,3-Dichloropropene	7.05	75	356268	49.056	uq/L	98
40) 4-Methyl-2-pentanone	7.25	43	615770	96.305	uq/L	99
42) Toluene	7.41	91	948094	49.955	uq/L	99
44) trans-1,3-Dichloropropene	7.67	75	352495	49.397	uq/L	98
45) 1,1,2-Trichloroethane	7.86	97	216397	49.951	uq/L	98
46) Tetrachloroethene	8.00	164	145677	48.541	uq/L	96
48) 2-Hexanone	8.16	43	463265	94.446	uq/L	99
49) Dibromochloromethane	8.27	129	236409	49.931	uq/L	97
50) 1,2-Dibromoethane	8.37	107	229822	48.825	uq/L	99
51) Chlorobenzene	8.90	112	605204	48.997	uq/L	99
52) Ethylbenzene	9.03	91	1071000	50.042	uq/L	99
53) m,p-Xylene	9.16	106	411318	50.386	uq/L	98
54) o-xylene	9.57	106	409817	50.465	uq/L	97
55) Styrene	9.58	104	692953	50.005	uq/L	98
56) Isopropylbenzene	9.96	105	1065700	49.853	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	361814	50.324	uq/L	98
59) 1,2,3-Trichloropropane	10.30	75	296901	49.901	uq/L	99
61) Bromoform	9.76	173	148927	49.909	uq/L	100
62) 1,3-Dichlorobenzene	11.20	146	445437	48.814	uq/L	99
63) 1,4-Dichlorobenzene	11.30	146	441448	47.396	uq/L	99
65) 1,2-Dichlorobenzene	11.67	146	446730	48.513	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	92643	45.726	uq/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	281288	48.297	uq/L	99
68) 1,2,4-trichlorobenzene	13.29	180	263268	47.574	uq/L	100
69) Naphthalene	13.53	128	1050540	47.624	uq/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	268039	48.262	uq/L	98

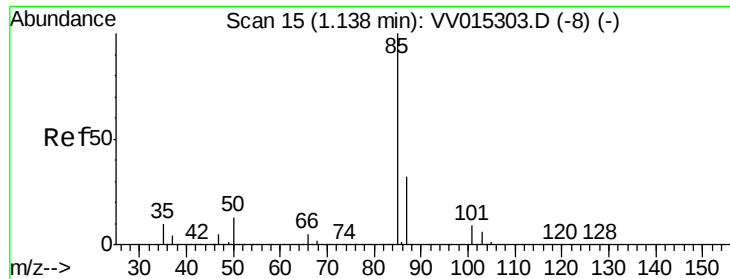
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.442 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015324.D

Acq: 31 Mar 2020 19:26

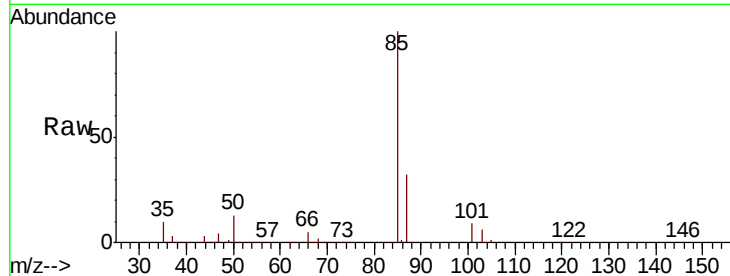
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 214656

Ion Ratio Lower Upper

85 100

87 31.9 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VV015324.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV015324.D (-1) (-)

250000

200000

150000

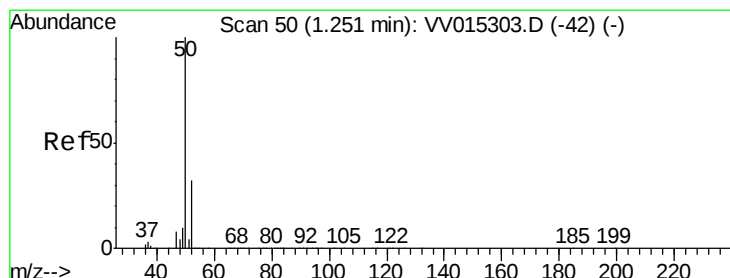
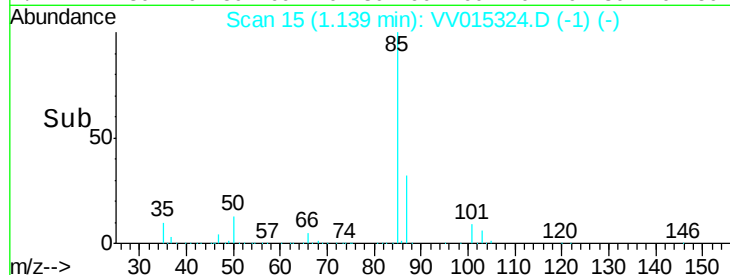
100000

50000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 47.153 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015324.D

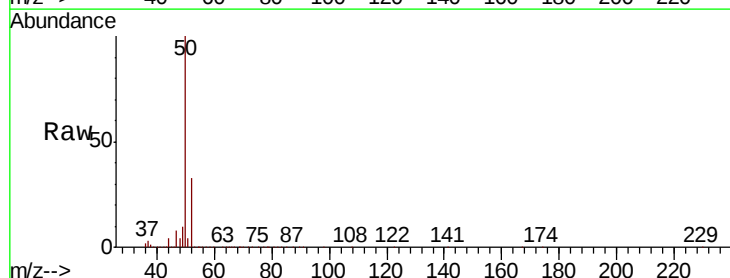
Acq: 31 Mar 2020 19:26

Tgt Ion: 50 Resp: 237281

Ion Ratio Lower Upper

50 100

52 33.1 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV015324.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV015324.D (-1) (-)

250000

200000

150000

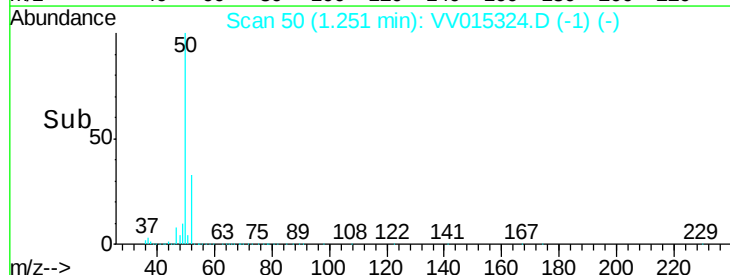
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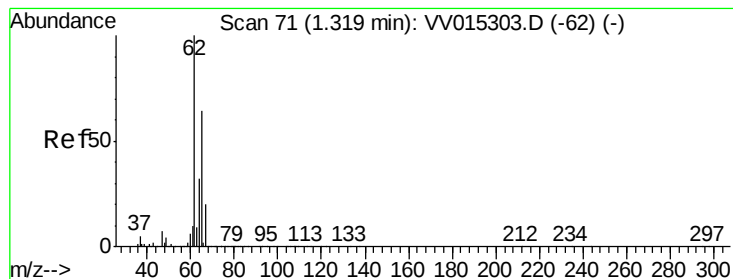
50000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 47.310 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015324.D

Acq: 31 Mar 2020 19:26

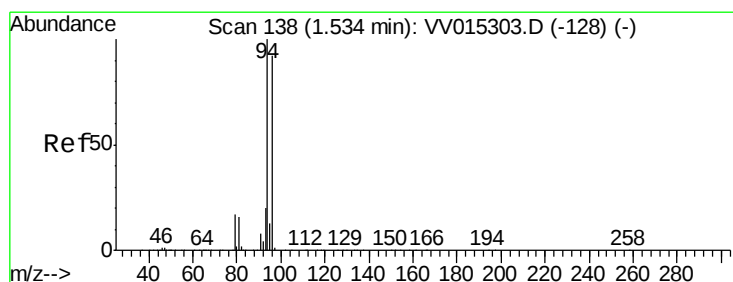
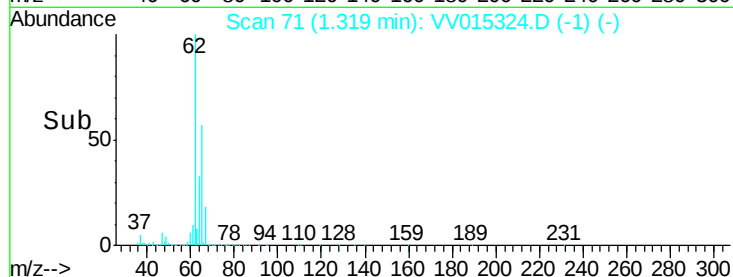
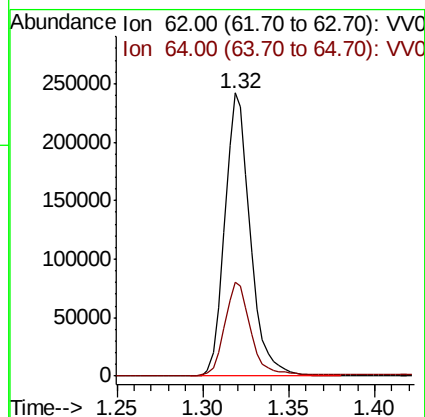
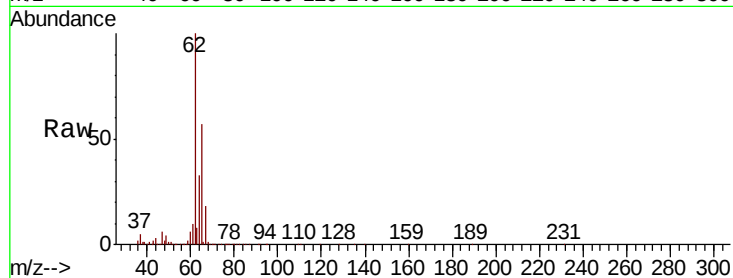
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 251162

Ion Ratio Lower Upper

62 100

64 33.2 23.9 44.3



#6

Bromomethane

Concen: 45.929 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV015324.D

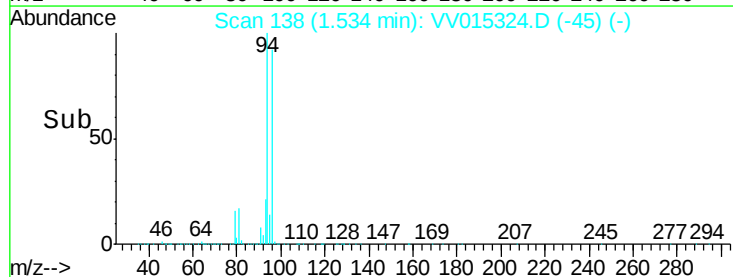
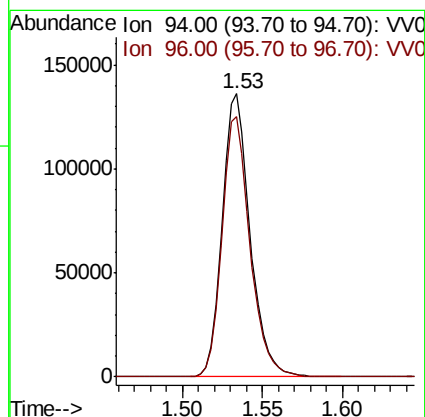
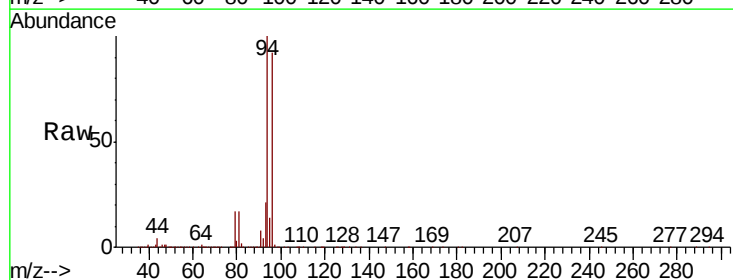
Acq: 31 Mar 2020 19:26

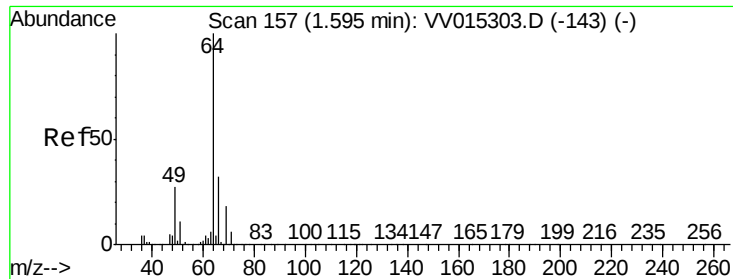
Tgt Ion: 94 Resp: 163114

Ion Ratio Lower Upper

94 100

96 92.0 63.7 118.3

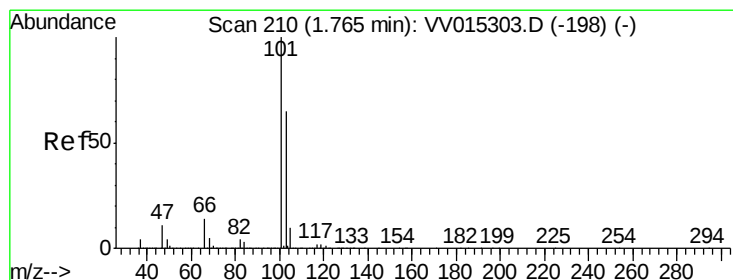
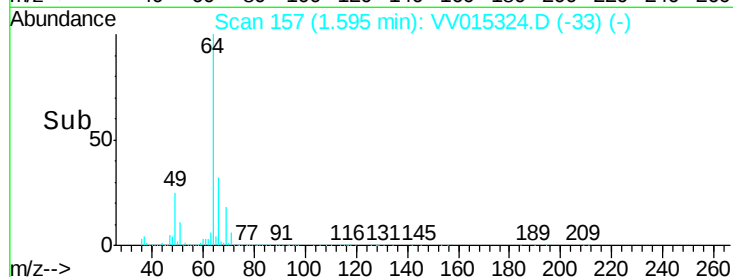
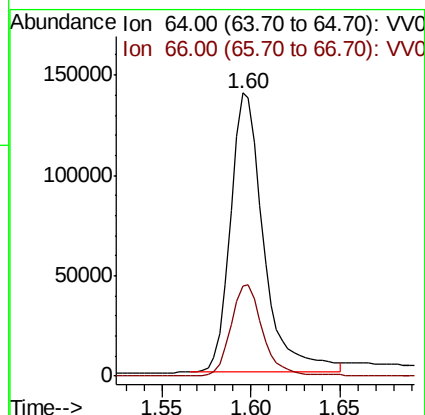
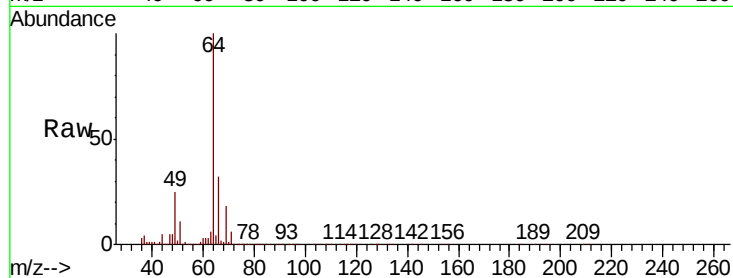




#8
Chloroethane
Concen: 49.464 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV015324.D
Acq: 31 Mar 2020 19:26

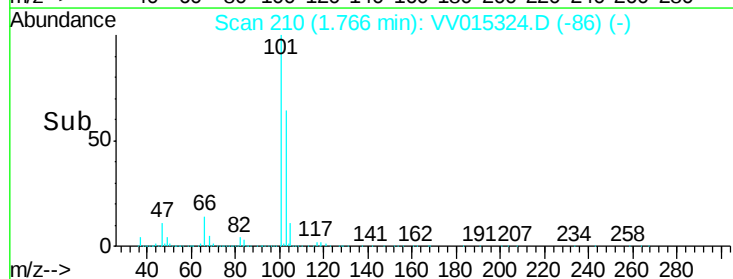
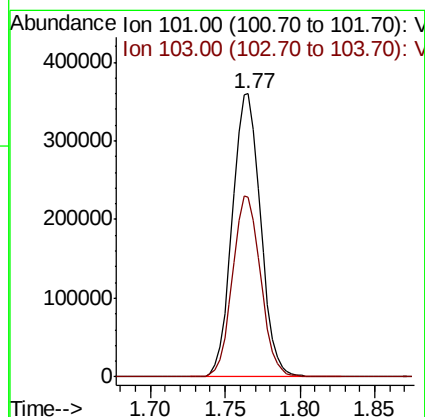
Instrument :
MSVOA_V
ClientSampleId :

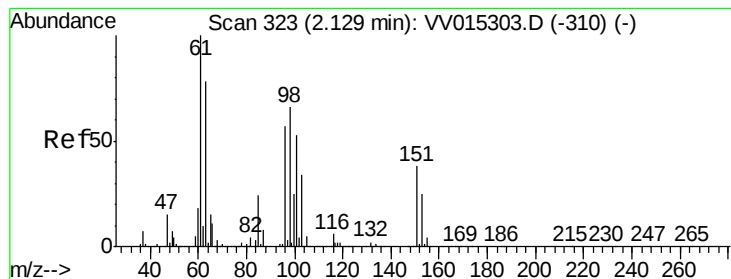
Tot Ion: 64 Resp: 181082
Ion Ratio Lower Upper
64 100
66 31.9 21.5 39.9



#9
Trichlorofluoromethane
Concen: 52.903 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV015324.D
Acq: 31 Mar 2020 19:26

Tgt Ion: 101 Resp: 474744
Ion Ratio Lower Upper
101 100
103 63.6 51.3 76.9





#10

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

Concen: 46.666 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015324.D

Acq: 31 Mar 2020 19:26

Instrument :

MSVOA_V

ClientSampleId :

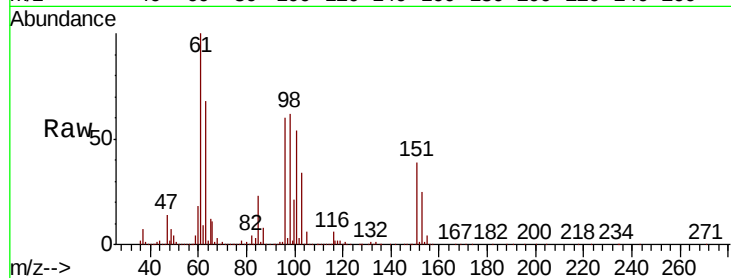
Tot Ion:101 Resp: 224556

Ion Ratio Lower Upper

101 100

85 44.1 35.0 52.6

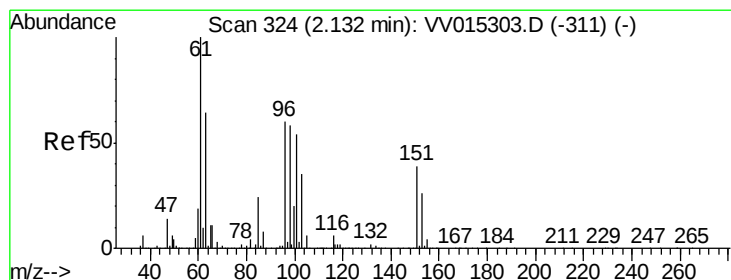
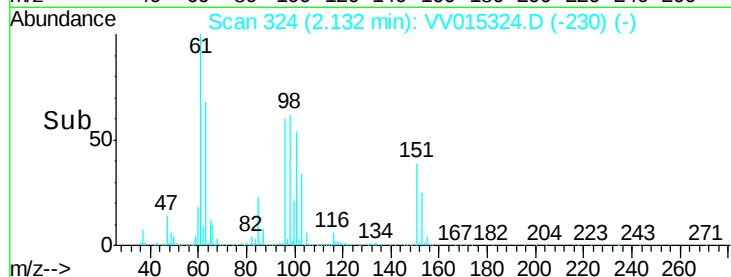
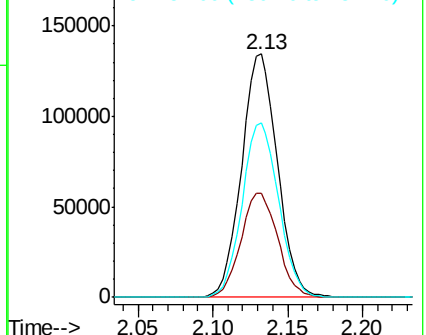
151 73.0 58.2 87.4



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: 45.832 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015324.D

Acq: 31 Mar 2020 19:26

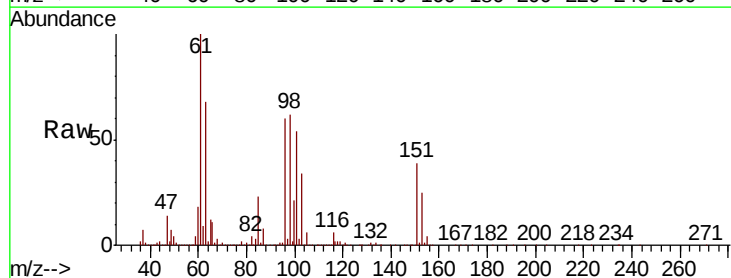
Tgt Ion: 96 Resp: 213501

Ion Ratio Lower Upper

96 100

61 167.6 120.9 224.5

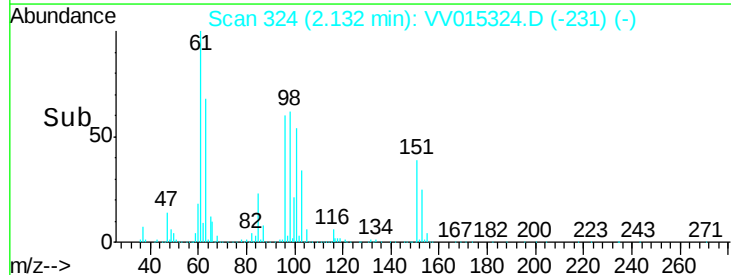
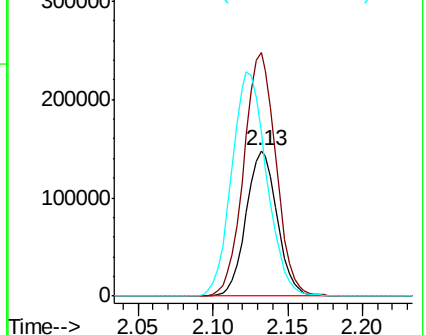
63 113.5 81.2 150.8

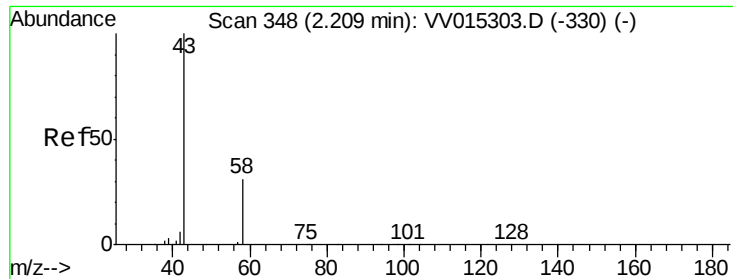


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 86.482 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.01 min

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MSVOA_V

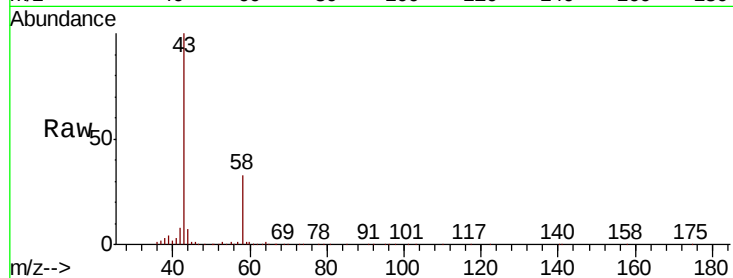
ClientSampleId :

Tot Ion: 43 Resp: 177242

Ion Ratio Lower Upper

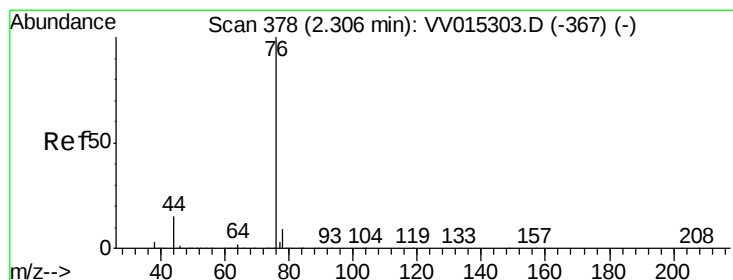
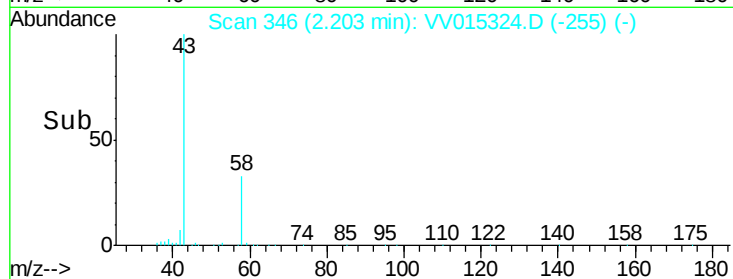
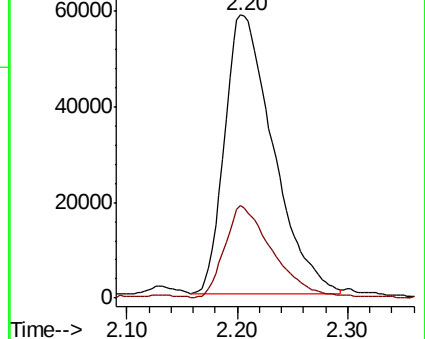
43 100

58 32.0 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV015303.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV015303.D (-330) (-)



#14

Carbon disulfide

Concen: 42.412 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV015324.D

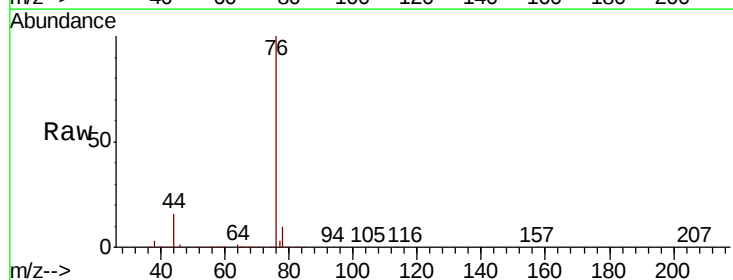
Acq: 31 Mar 2020 19:26

Tgt Ion: 76 Resp: 480784

Ion Ratio Lower Upper

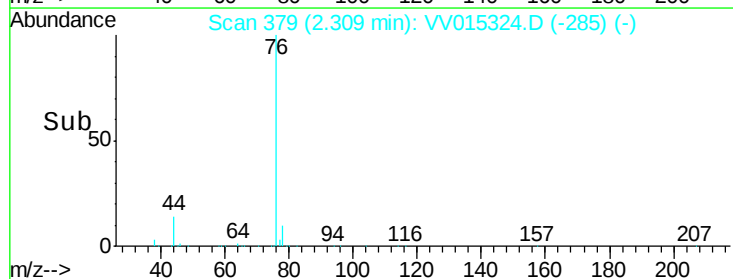
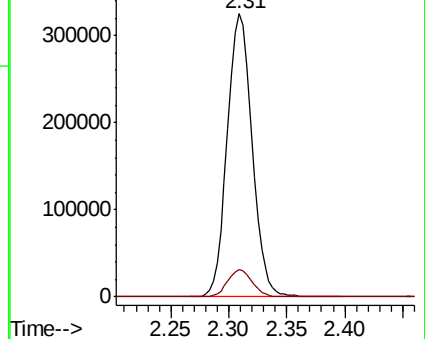
76 100

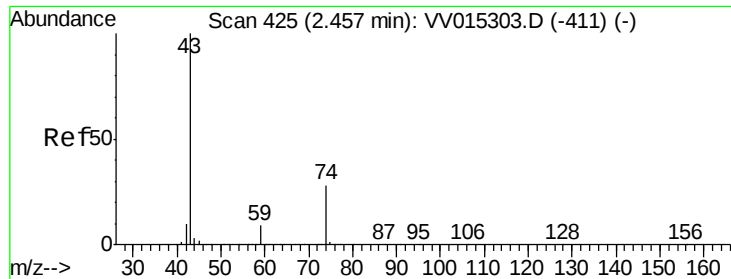
78 9.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV015303.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV015303.D (-367) (-)

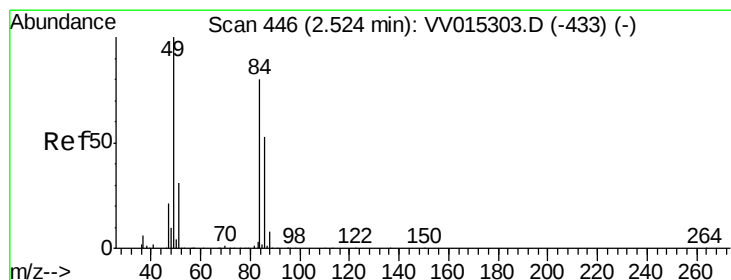
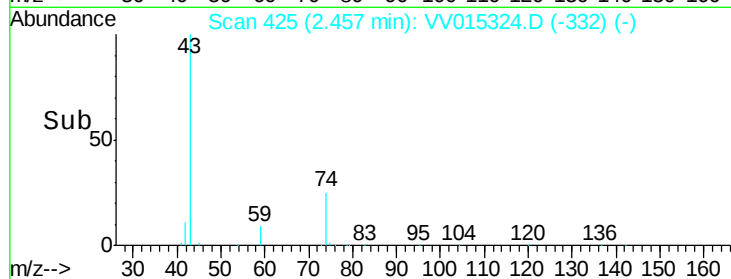
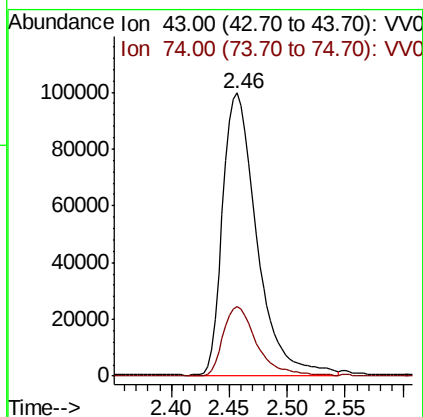
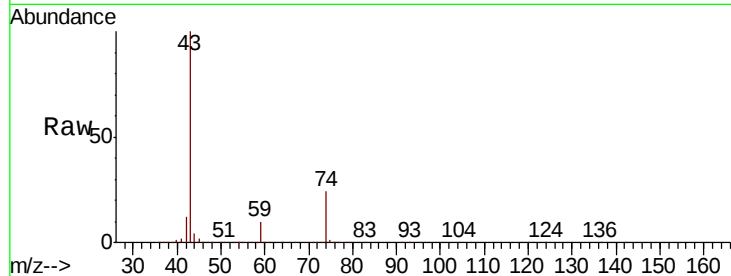




#15
Methvl Acetate
Concen: 49.451 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV015324.D
Acq: 31 Mar 2020 19:26

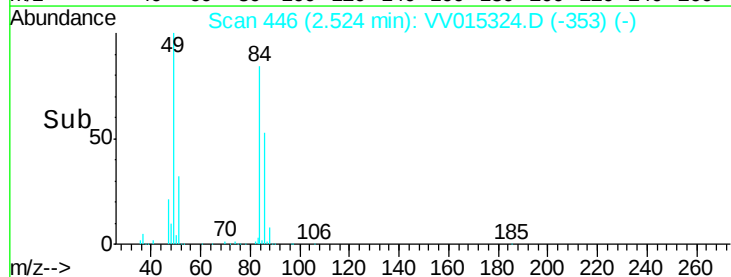
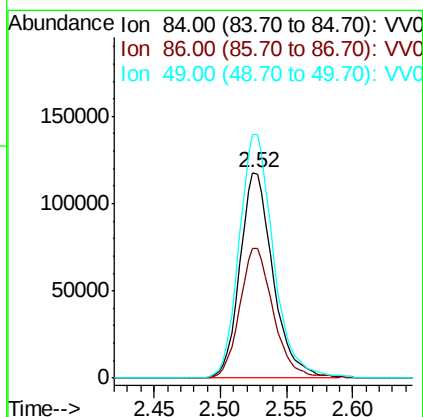
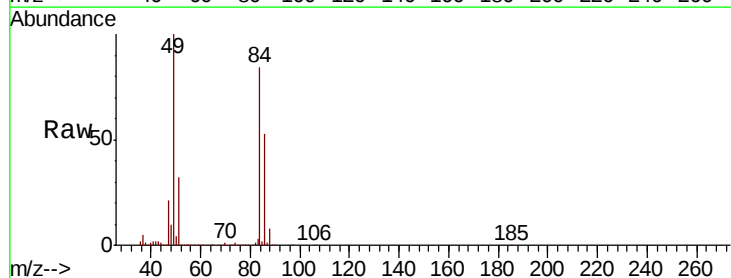
Instrument :
MSVOA_V
ClientSampled :

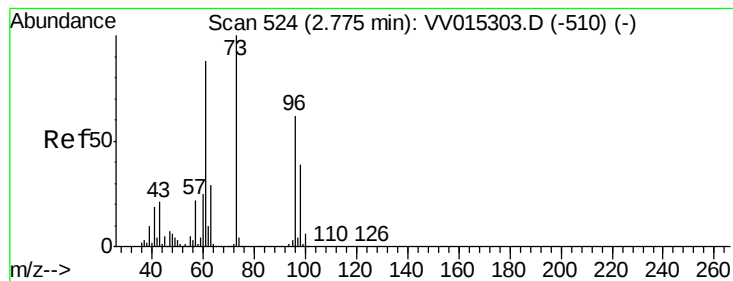
Tot Ion: 43 Resp: 203504
Ion Ratio Lower Upper
43 100
74 24.2 20.3 30.5



#16
Methylene chloride
Concen: 46.958 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015324.D
Acq: 31 Mar 2020 19:26

Tgt Ion: 84 Resp: 204656
Ion Ratio Lower Upper
84 100
86 63.0 45.5 84.5
49 118.6 83.7 155.4





#17

trans-1,2-Dichloroethene

Concen: 47.356 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV015324.D

Acq: 31 Mar 2020 19:26

Instrument :
MSVOA_V
ClientSampleId :

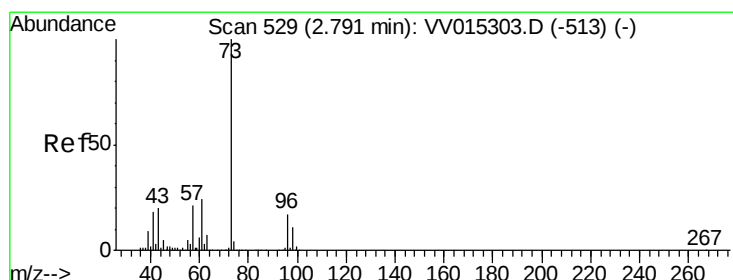
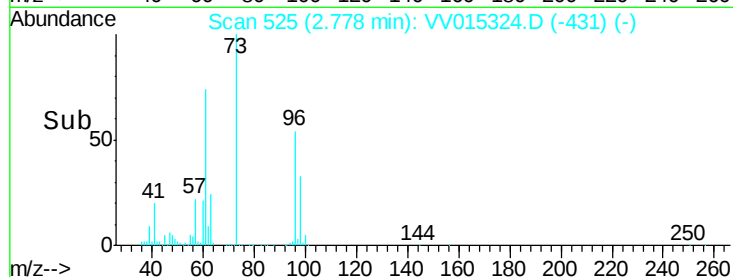
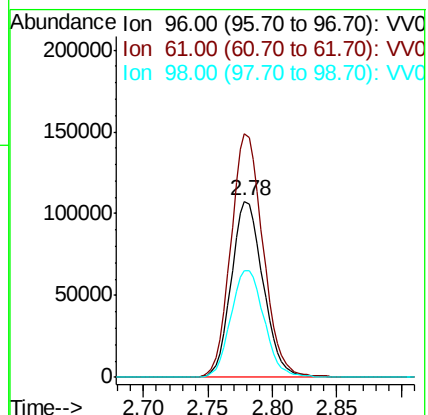
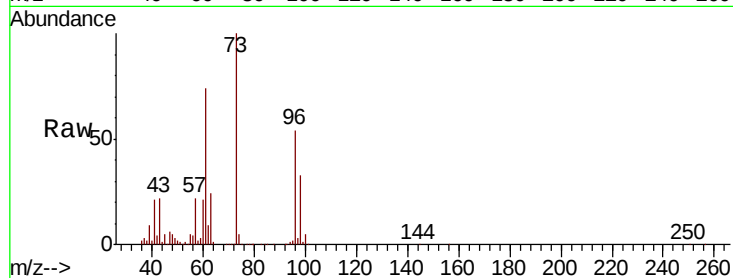
Tot Ion: 96 Resp: 184863

Ion Ratio Lower Upper

96 100

61 138.2 98.5 182.9

98 60.6 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 48.322 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV015324.D

Acq: 31 Mar 2020 19:26

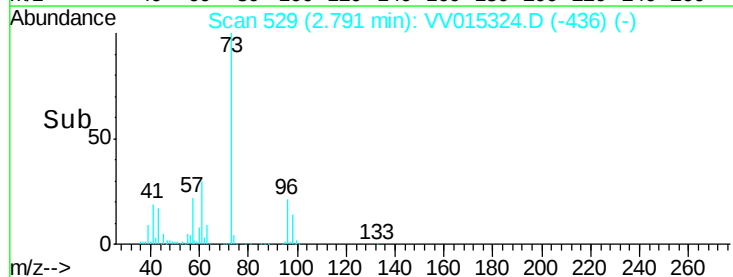
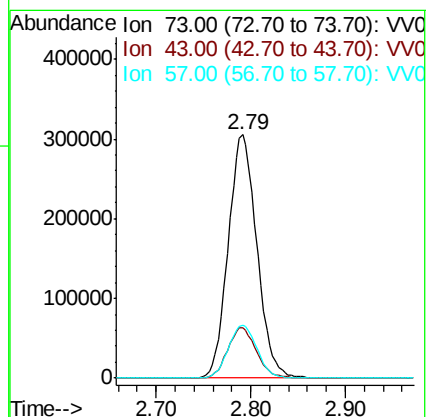
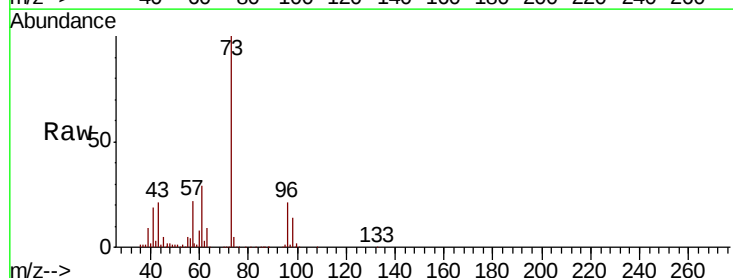
Tgt Ion: 73 Resp: 642266

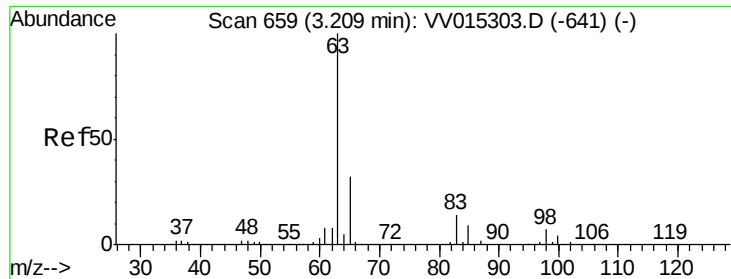
Ion Ratio Lower Upper

73 100

43 20.5 15.7 23.5

57 21.9 16.6 25.0

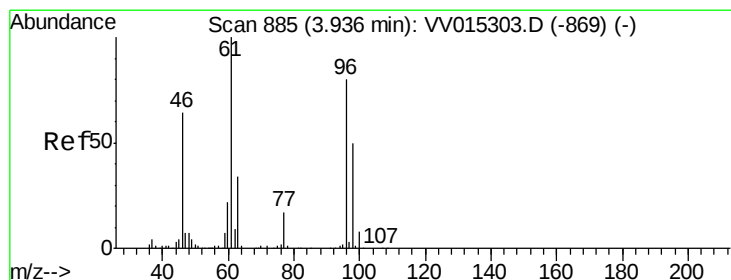
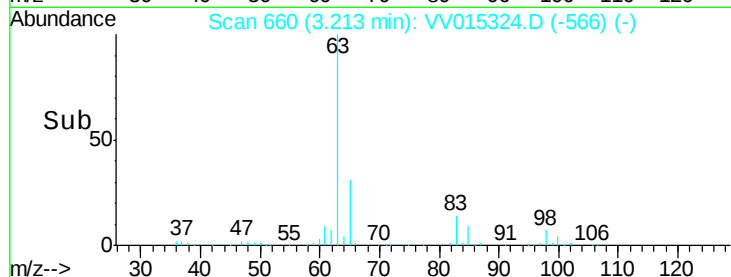
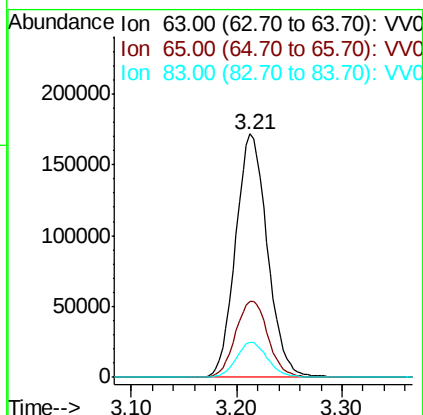
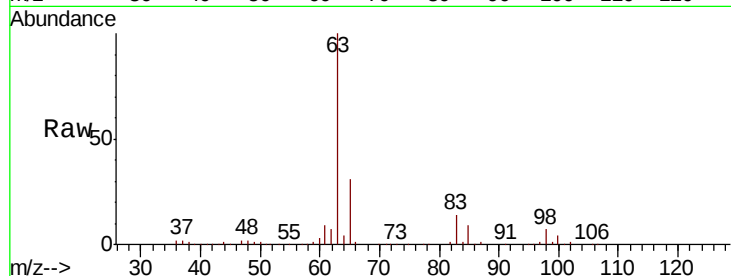




#19
 1,1-Dichloroethane
 Concen: 49.371 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV015324.D
 Acq: 31 Mar 2020 19:26

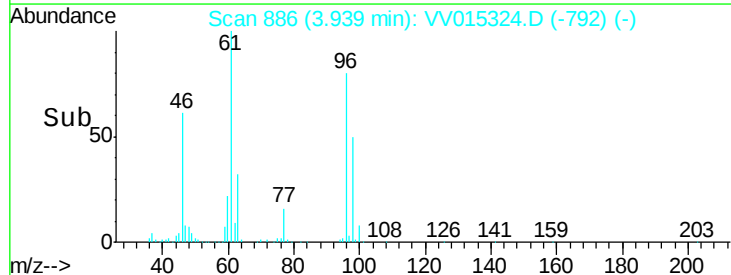
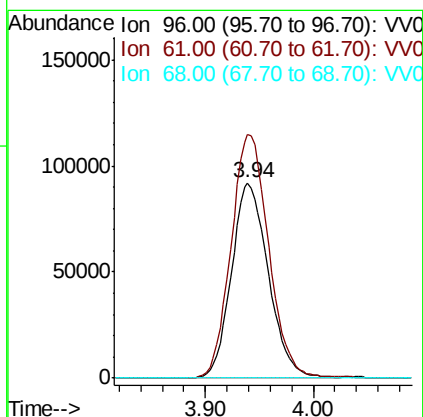
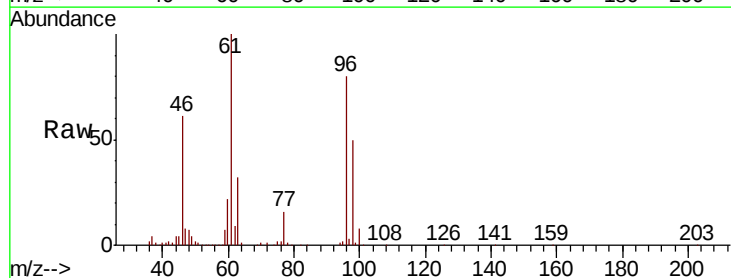
Instrument :
 MSVOA_V
 ClientSampleId :

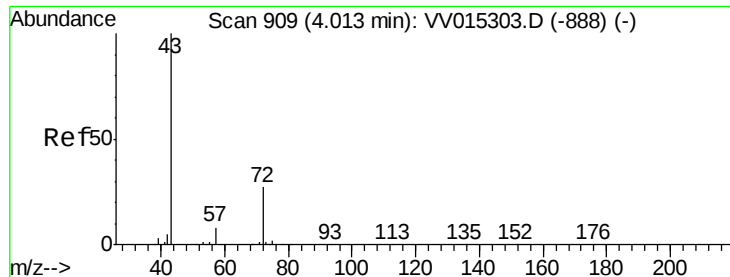
Tot Ion: 63 Resp: 359322
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.2 41.2
 83 14.4 9.7 18.1



#20
 cis-1,2-Dichloroethene
 Concen: 49.730 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV015324.D
 Acq: 31 Mar 2020 19:26

Tgt Ion: 96 Resp: 218226
 Ion Ratio Lower Upper
 96 100
 61 124.7 90.2 167.6
 68 0.2 0.1 0.1#





#22

2-Butanone

Concen: 96.502 ug/L

RT: 4.01 min Scan# 908

Delta R.T. -0.00 min

Lab File: VV015324.D

Acq: 31 Mar 2020 19:26

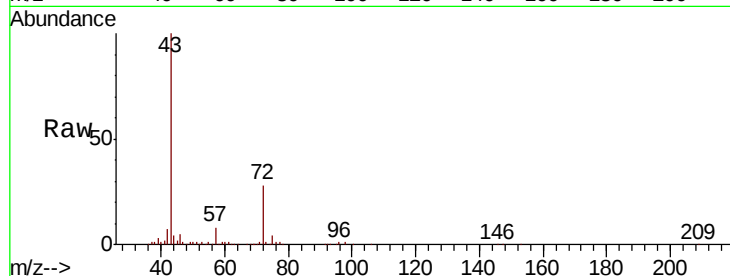
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 288309

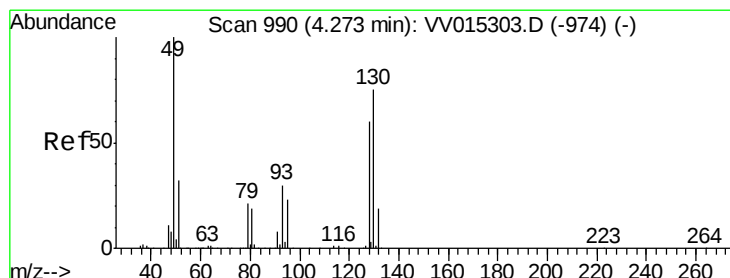
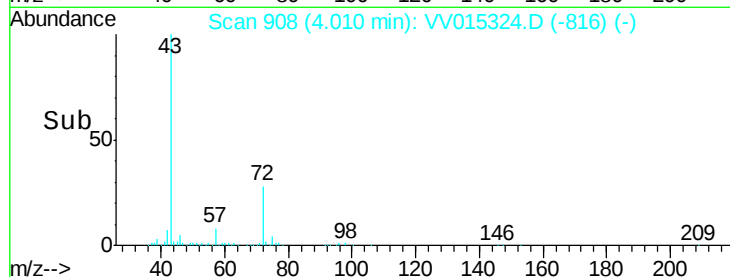
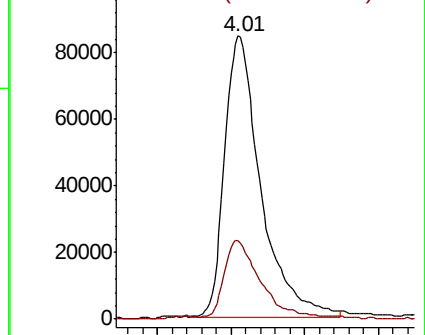
Ion Ratio Lower Upper

43 100

72 25.9 12.4 37.0



Abundance Ion 43.00 (42.70 to 43.70): VV015324.D (-816) (-)



#23

Bromochloromethane

Concen: 48.355 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV015324.D

Acq: 31 Mar 2020 19:26

Tgt Ion:128 Resp: 104455

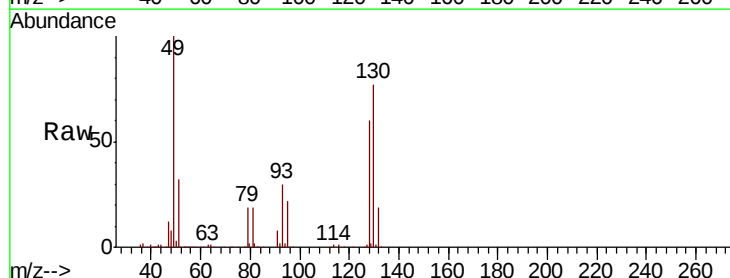
Ion Ratio Lower Upper

128 100

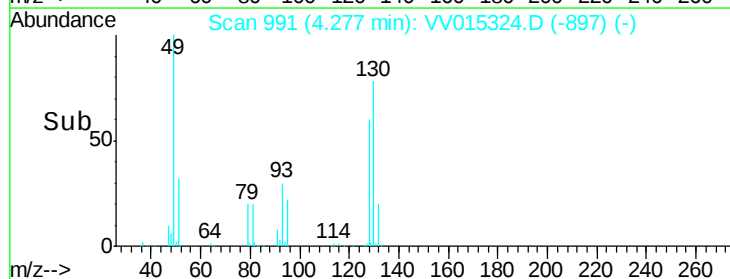
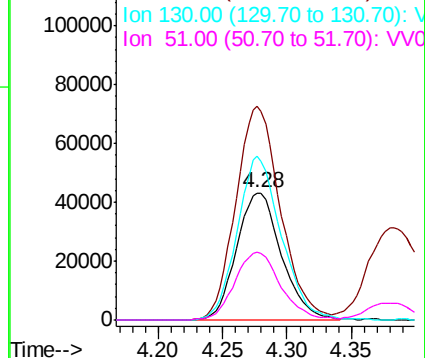
49 168.0 116.3 216.1

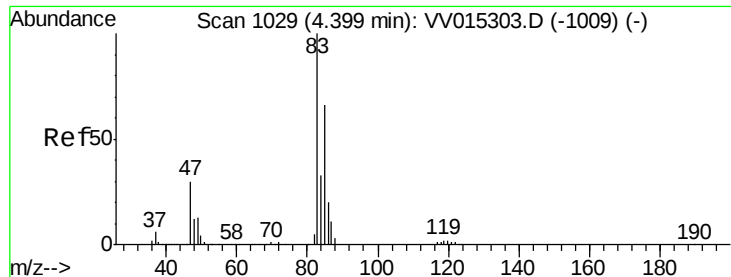
130 129.1 91.1 169.3

51 53.1 41.2 61.8



Abundance Ion 128.00 (127.70 to 128.70): VV015324.D (-897) (-)

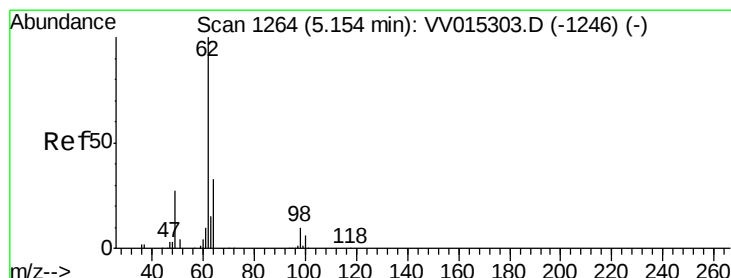
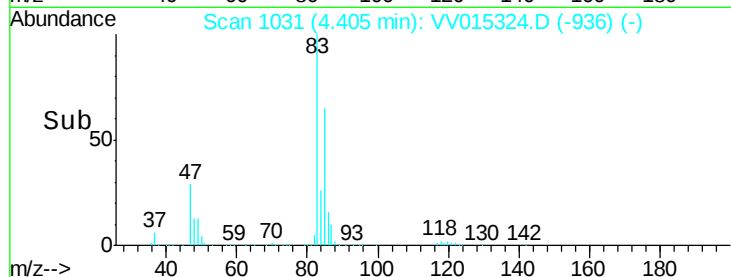
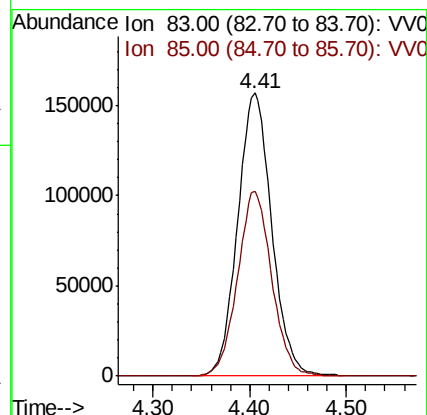
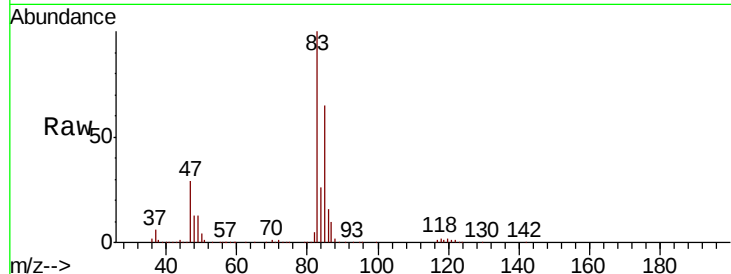




#25
Chloroform
Concen: 49.395 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV015324.D
Acq: 31 Mar 2020 19:26

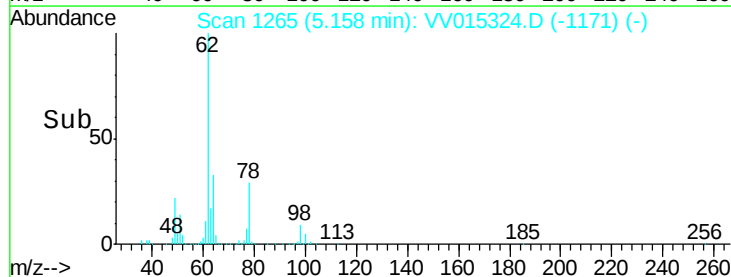
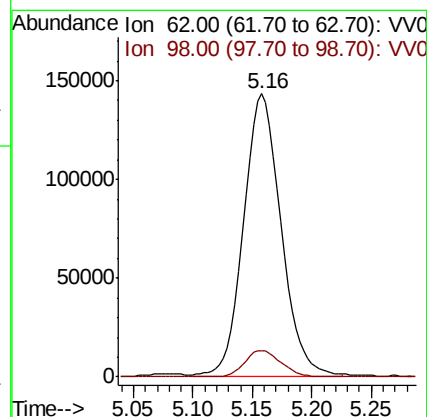
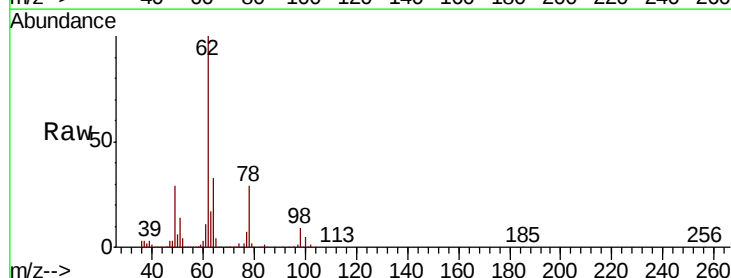
Instrument :
MSVOA_V
ClientSampleId :

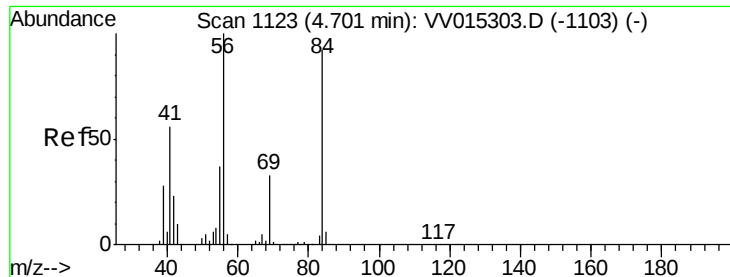
Tot Ion: 83 Resp: 383842
Ion Ratio Lower Upper
83 100
85 65.1 46.6 86.6



#27
1,2-Dichloroethane
Concen: 50.816 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015324.D
Acq: 31 Mar 2020 19:26

Tgt Ion: 62 Resp: 314071
Ion Ratio Lower Upper
62 100
98 9.2 7.4 11.0

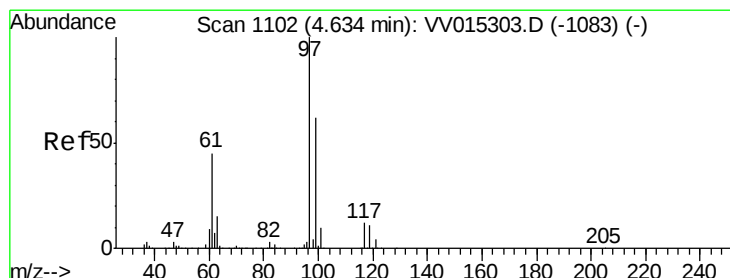
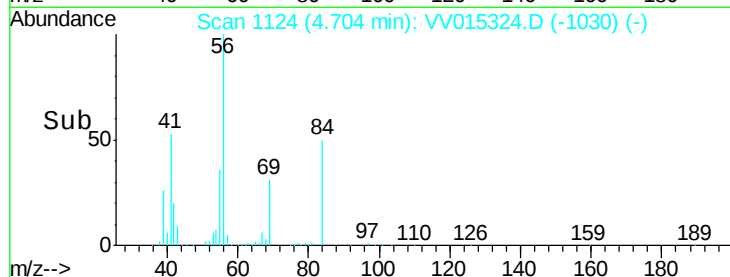
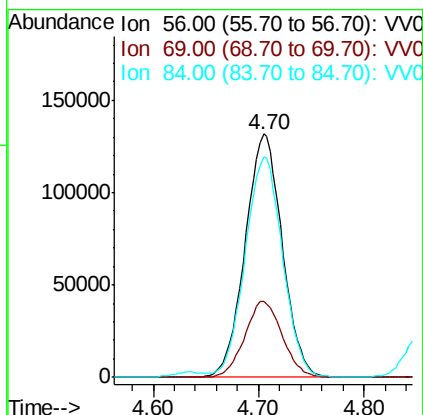
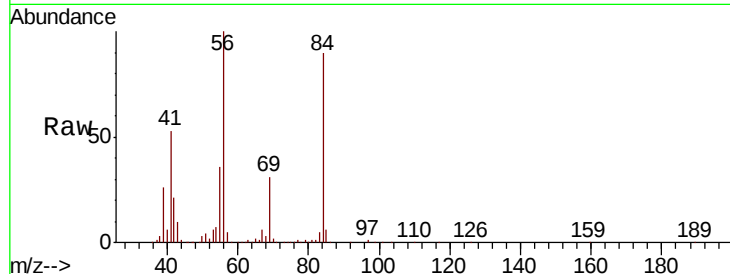




#29
Cyclohexane
Concen: 47.587 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV015324.D
Acq: 31 Mar 2020 19:26

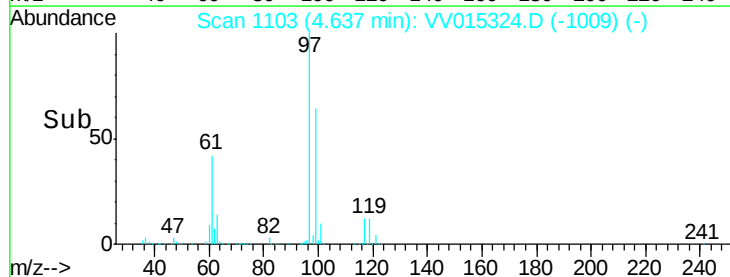
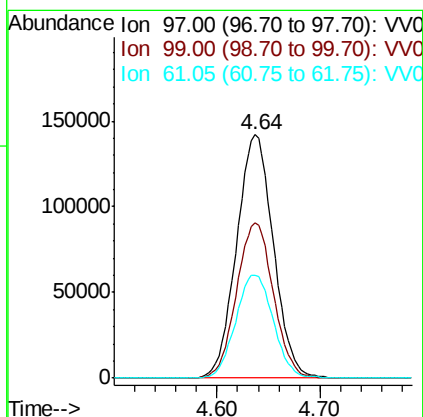
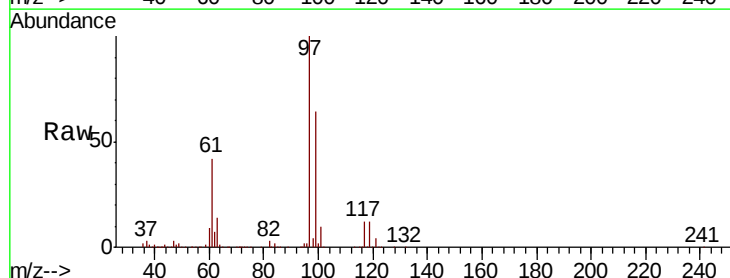
Instrument :
MSVOA_V
ClientSampled :

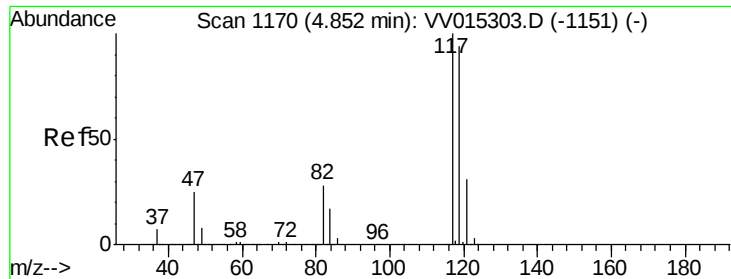
Tot Ion: 56 Resp: 322361
Ion Ratio Lower Upper
56 100
69 31.5 25.3 37.9
84 91.8 72.7 109.1



#30
1,1,1-Trichloroethane
Concen: 48.703 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV015324.D
Acq: 31 Mar 2020 19:26

Tgt Ion: 97 Resp: 352655
Ion Ratio Lower Upper
97 100
99 63.8 50.9 76.3
61 43.3 34.3 51.5

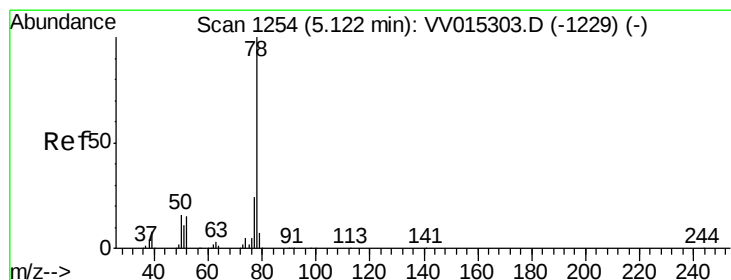
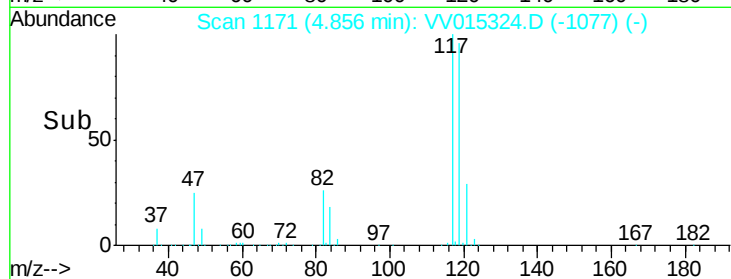
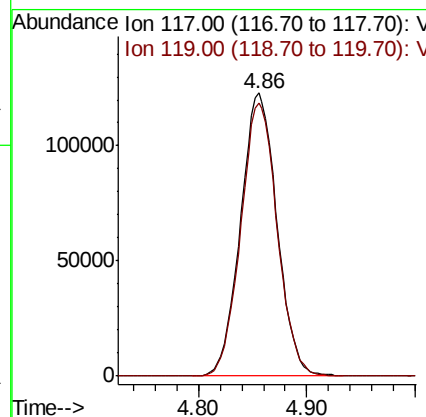
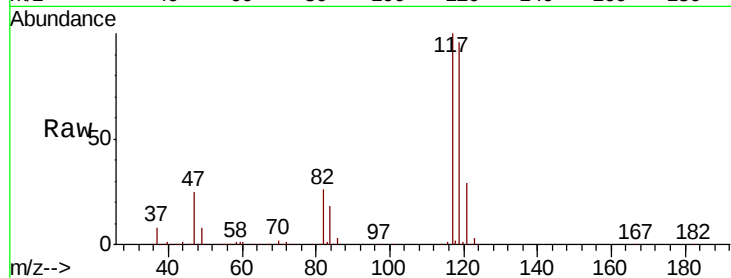




#31
Carbon tetrachloride
Concen: 47.036 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV015324.D
Acq: 31 Mar 2020 19:26

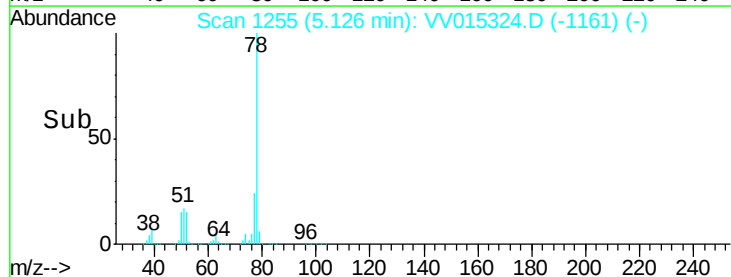
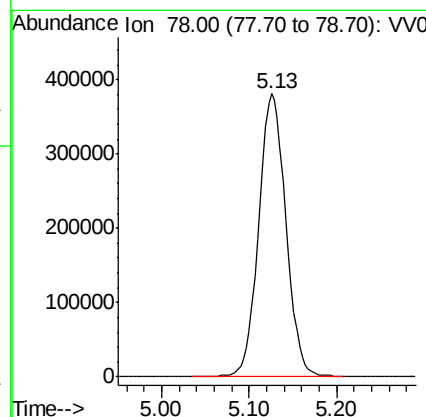
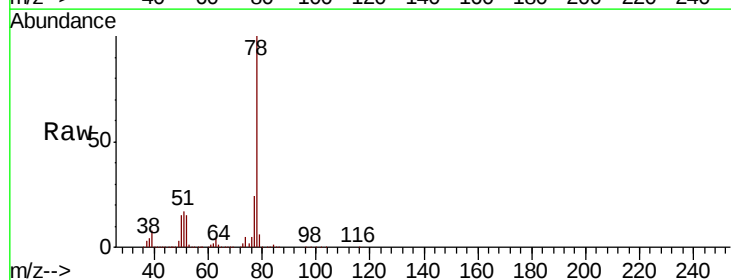
Instrument :
MSVOA_V
ClientSampled :

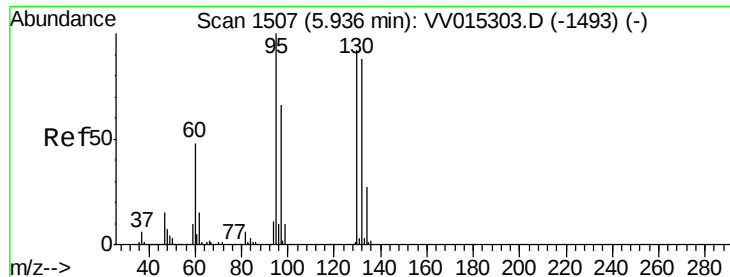
Tot Ion:117 Resp: 288526
Ion Ratio Lower Upper
117 100
119 96.6 75.8 113.8



#33
Benzene
Concen: 48.633 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV015324.D
Acq: 31 Mar 2020 19:26

Tgt Ion: 78 Resp: 822212





#34

Trichloroethene

Concen: 47.552 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015324.D

Acq: 31 Mar 2020 19:26

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 215669

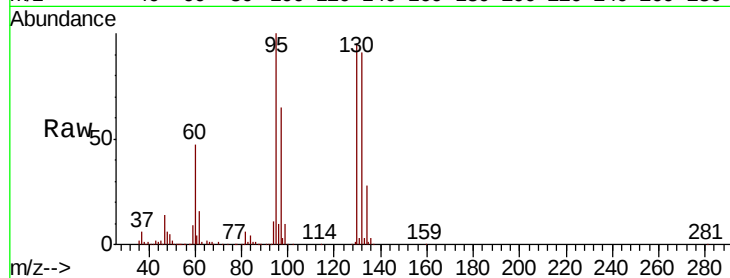
Ion Ratio Lower Upper

95 100

97 64.5 44.0 81.6

132 91.1 61.8 114.8

130 94.7 64.5 119.9

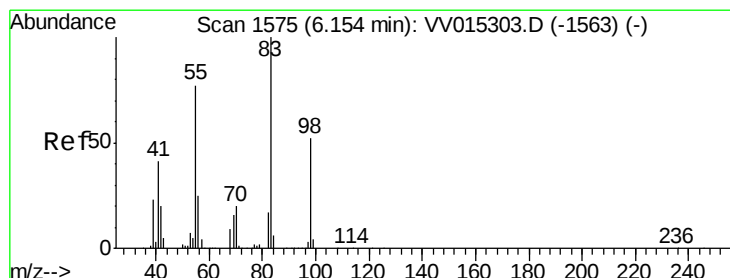
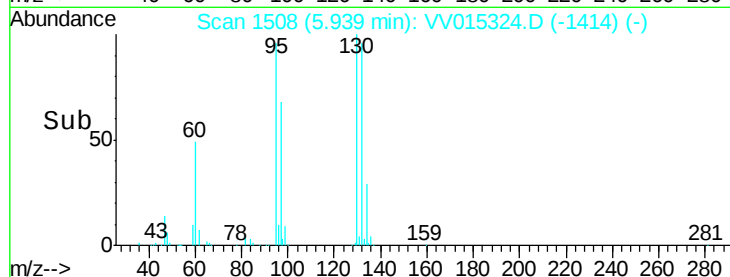
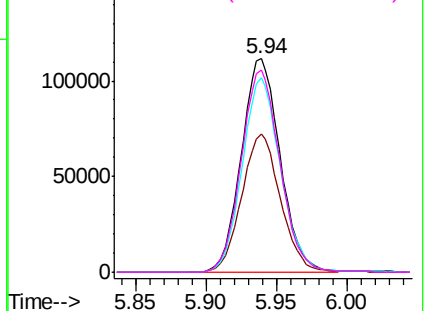


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 48.176 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV015324.D

Acq: 31 Mar 2020 19:26

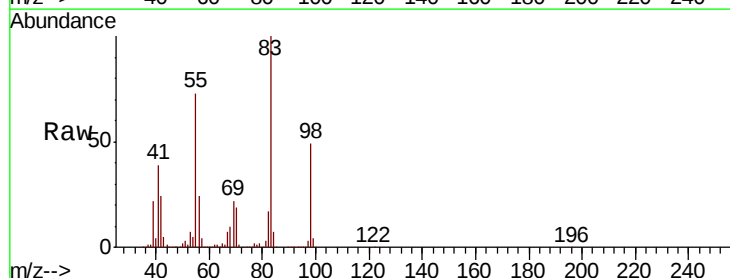
Tgt Ion: 83 Resp: 342709

Ion Ratio Lower Upper

83 100

55 73.2 59.4 89.2

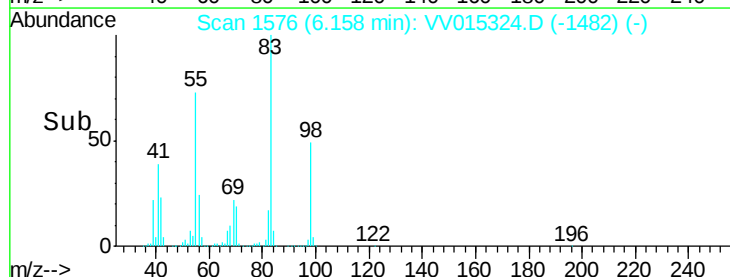
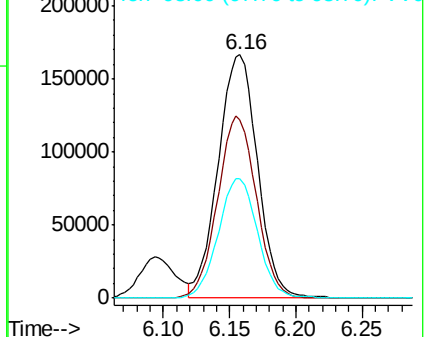
98 49.2 38.6 58.0

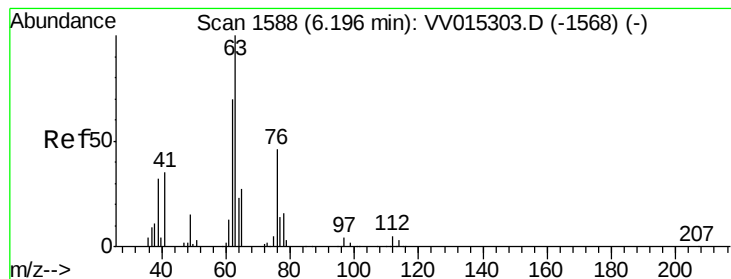


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 48.891 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV015324.D

Acq: 31 Mar 2020 19:26

Instrument :

MSVOA_V

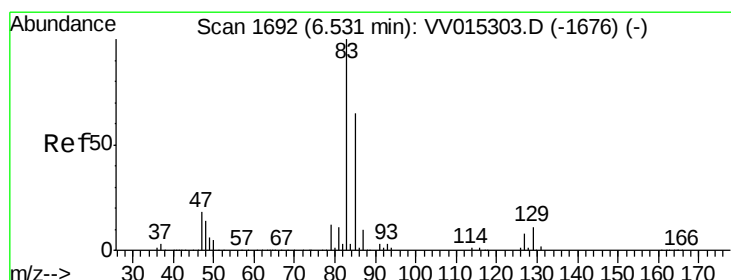
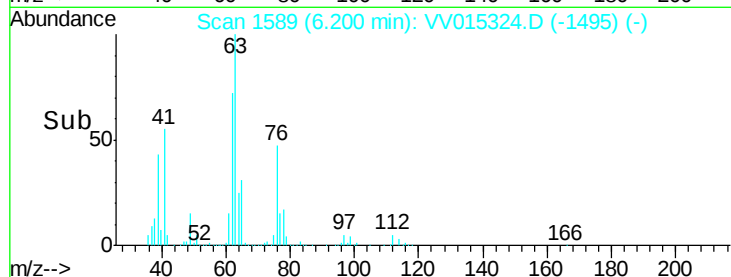
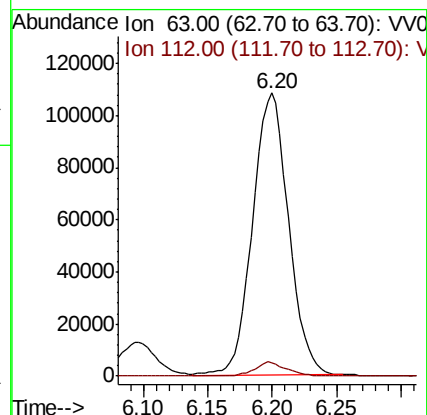
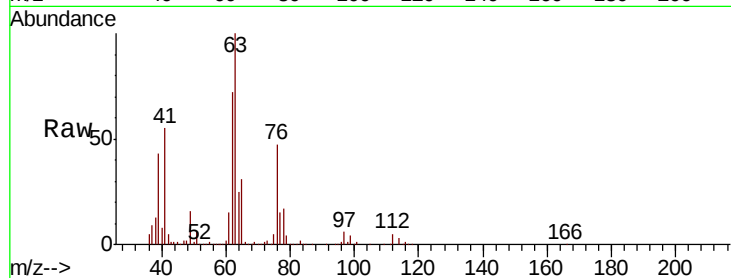
ClientSampled :

Tot Ion: 63 Resp: 210247

Ion Ratio Lower Upper

63 100

112 4.4 3.7 5.5



#38

Bromodichloromethane

Concen: 49.125 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV015324.D

Acq: 31 Mar 2020 19:26

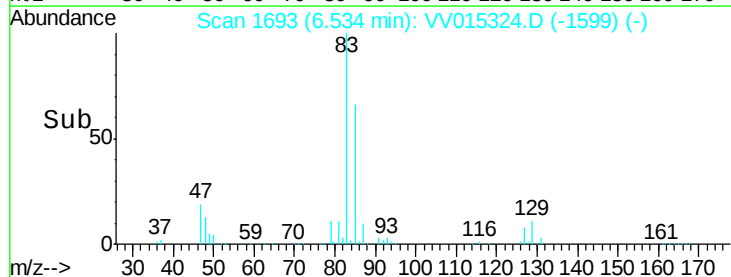
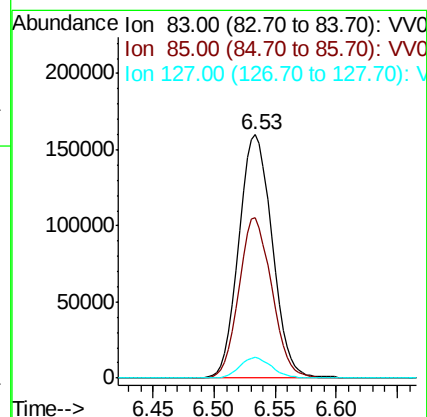
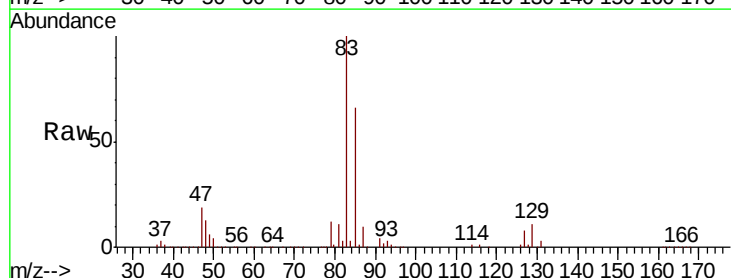
Tgt Ion: 83 Resp: 303790

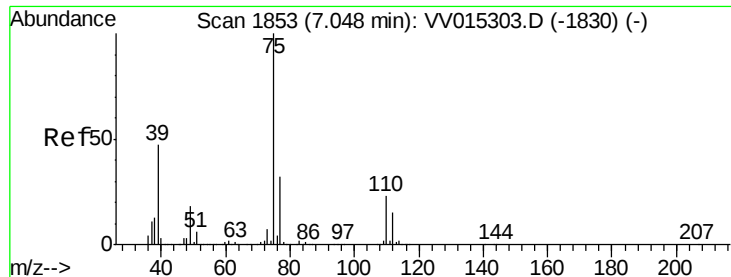
Ion Ratio Lower Upper

83 100

85 65.9 45.1 83.9

127 8.3 6.3 9.5



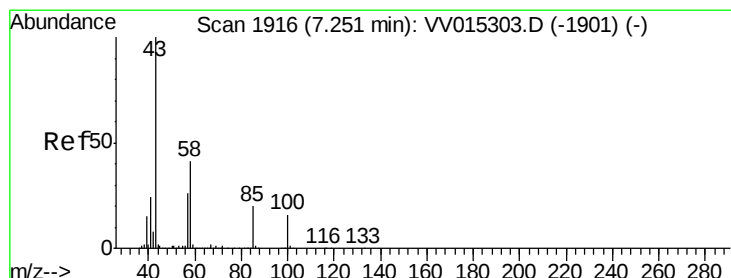
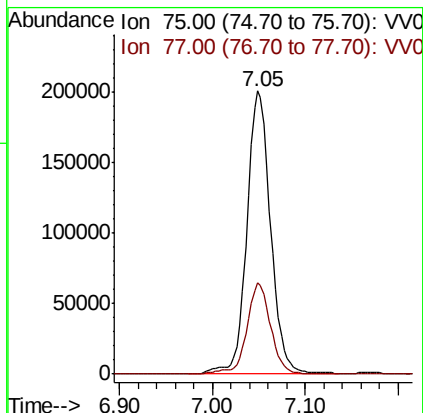
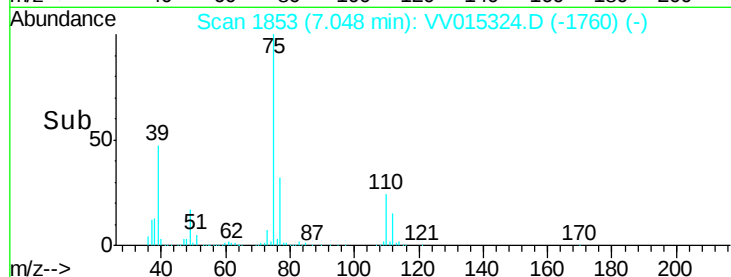
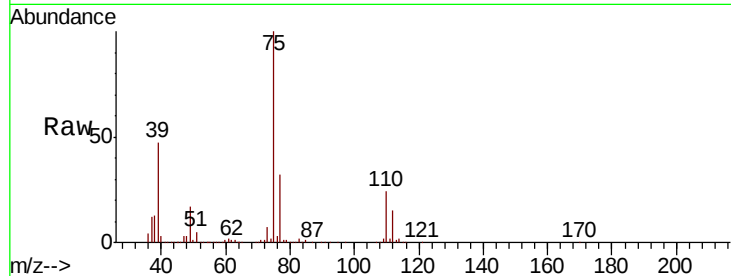


#39

cis-1,3-Dichloropropene
 Concen: 49.056 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015324.D
 Acq: 31 Mar 2020 19:26

Instrument :
 MSVOA_V
 ClientSampleId :

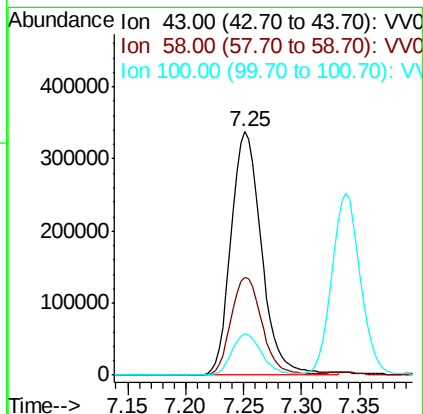
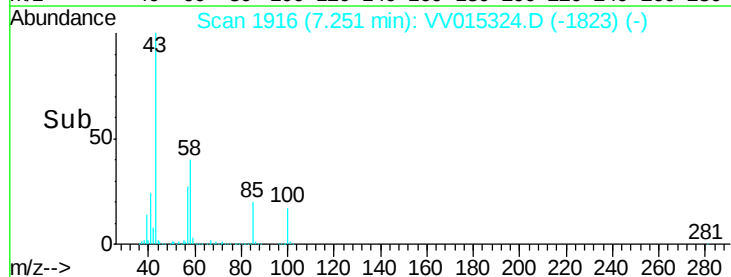
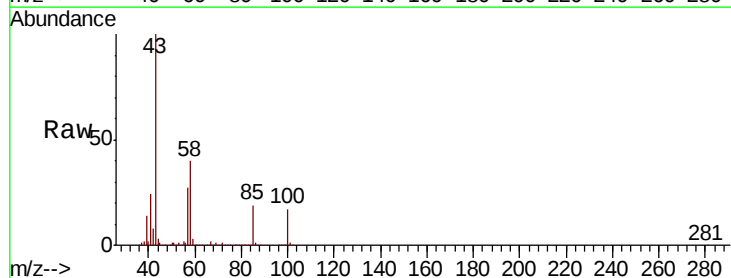
Tot Ion: 75 Resp: 356268
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.6 40.0

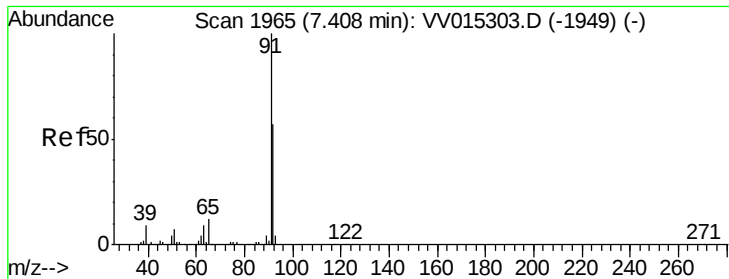


#40

4-Methyl-2-pentanone
 Concen: 96.305 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV015324.D
 Acq: 31 Mar 2020 19:26

Tgt Ion: 43 Resp: 615770
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.9 49.3
 100 16.7 13.9 20.9





#42

Toluene

Concen: 49.955 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015324.D

Acq: 31 Mar 2020 19:26

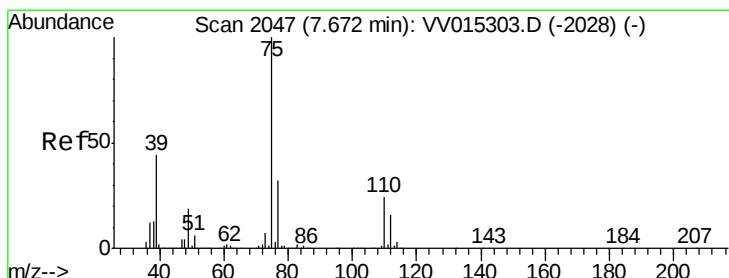
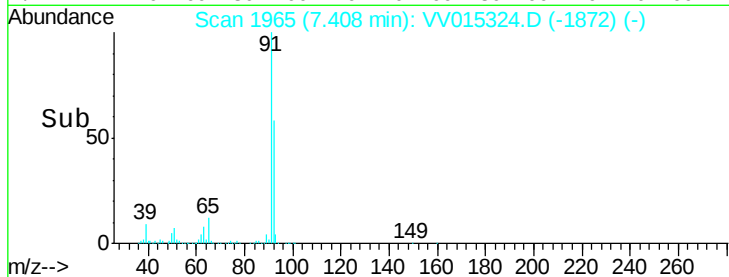
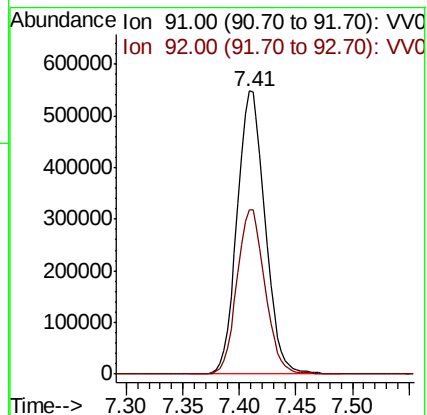
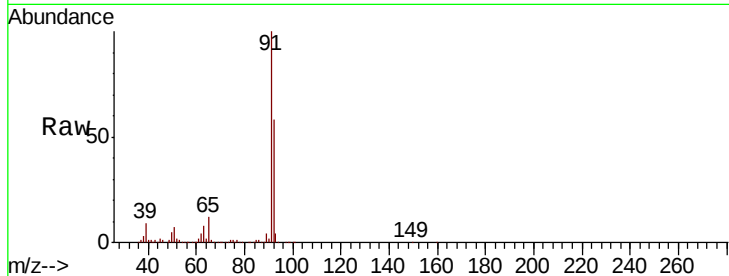
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 948094

Ion Ratio Lower Upper

91 100

92 58.1 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 49.397 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015324.D

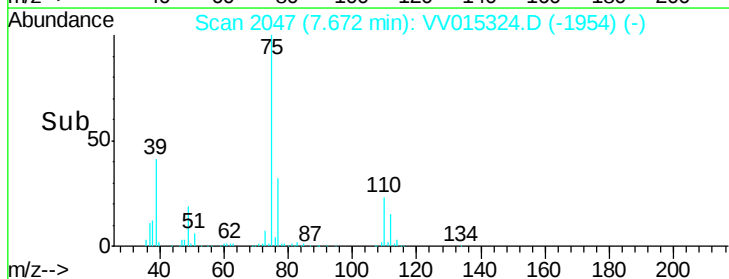
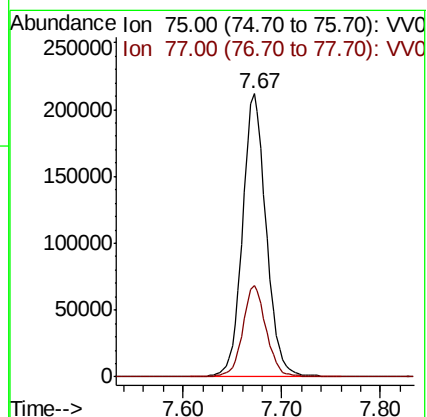
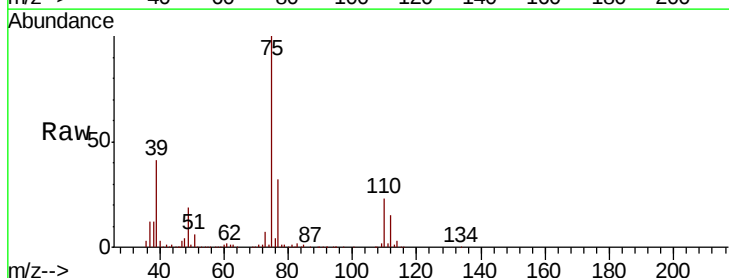
Acq: 31 Mar 2020 19:26

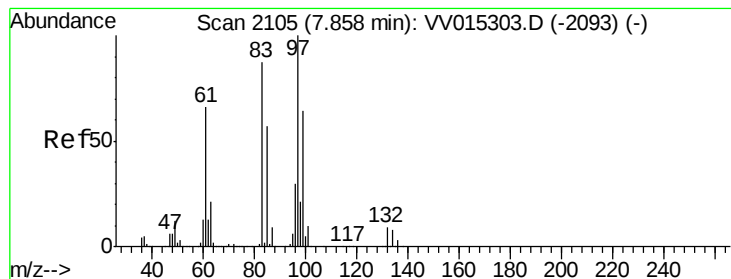
Tgt Ion: 75 Resp: 352495

Ion Ratio Lower Upper

75 100

77 32.2 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 49.951 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV015324.D

Acq: 31 Mar 2020 19:26

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 216397

Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.6	81.0
83	87.6	60.0	111.4
85	53.6	39.3	72.9

Abundance Ion 97.00 (96.70 to 97.70): VV0

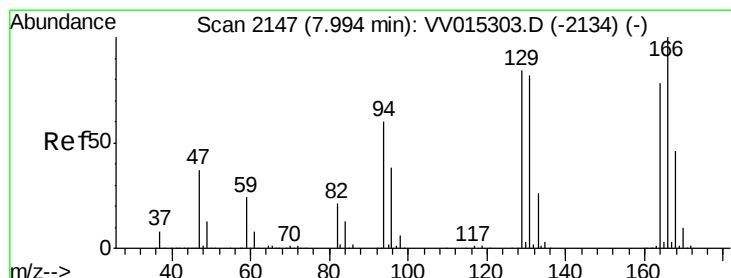
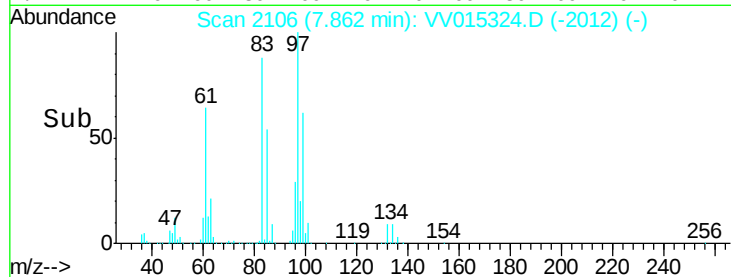
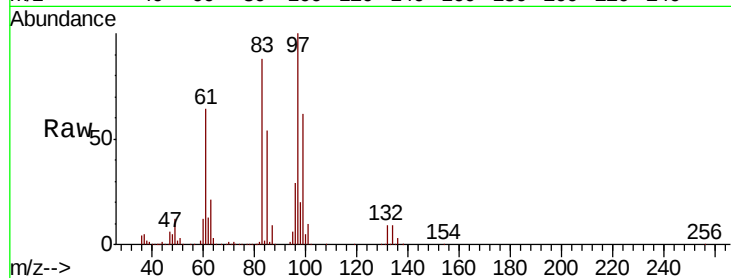
Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

7.86

Time-->



#46

Tetrachloroethene

Concen: 48.541 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015324.D

Acq: 31 Mar 2020 19:26

Tgt Ion: 164 Resp: 145677

Ion	Ratio	Lower	Upper
164	100		
129	106.9	77.8	144.4
131	102.0	73.9	137.3
166	126.0	91.7	170.3

Abundance Ion 164.00 (163.70 to 164.70): V

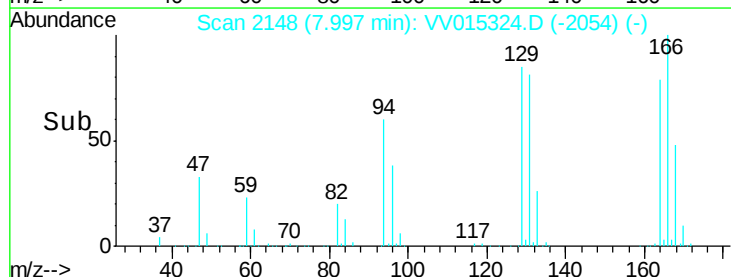
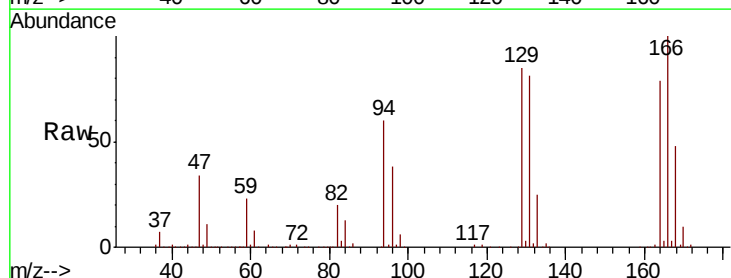
Ion 129.00 (128.70 to 129.70): V

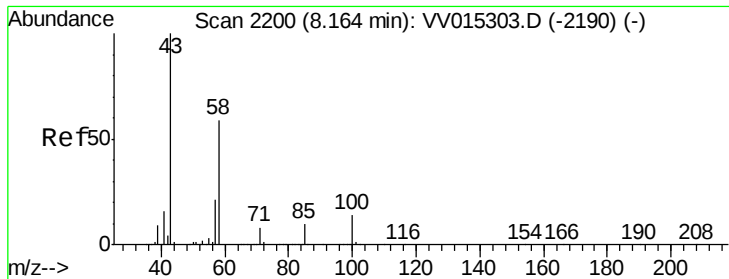
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

8.00

Time-->

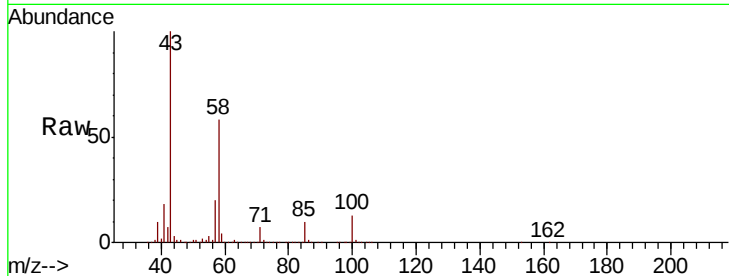




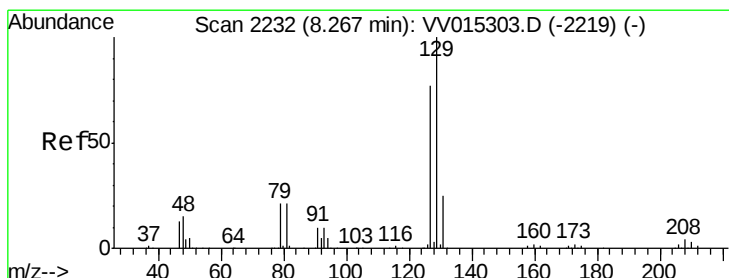
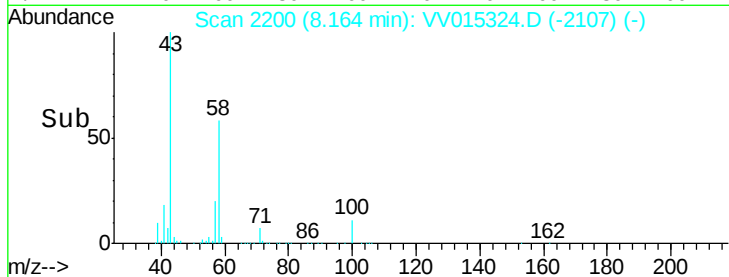
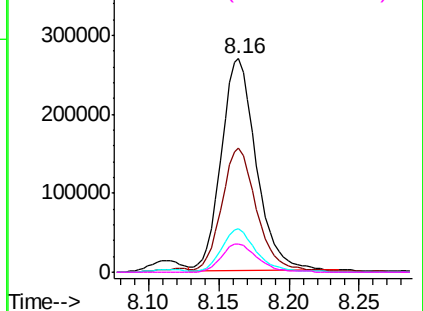
#48
2-Hexanone
Concen: 94.446 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015324.D
Acq: 31 Mar 2020 19:26

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	463265
Ion	Ratio	Lower	Upper
43	100		
58	58.0	47.0	70.6
57	19.6	16.2	24.2
100	13.7	11.0	16.6

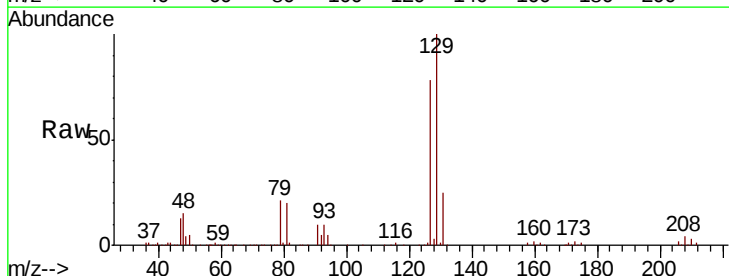


Abundance Ion 43.00 (42.70 to 43.70): VV015324.D (-2107) (-)
Ion 58.00 (57.70 to 58.70): VV015324.D (-2107) (-)
Ion 57.00 (56.70 to 57.70): VV015324.D (-2107) (-)
Ion 100.00 (99.70 to 100.70): VV015324.D (-2107) (-)

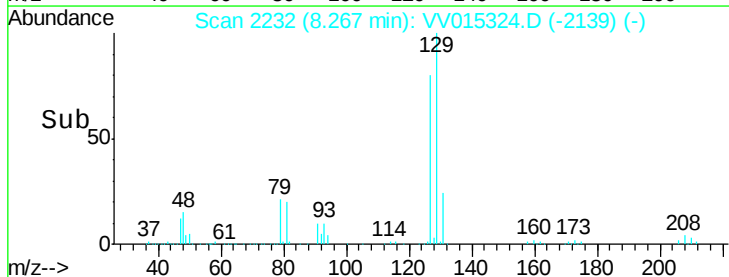
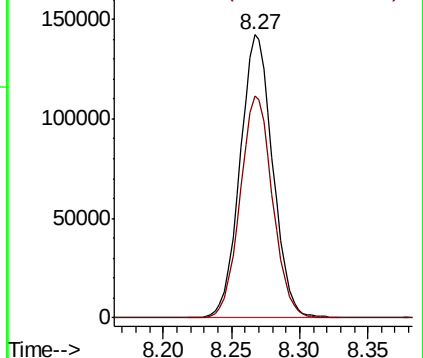


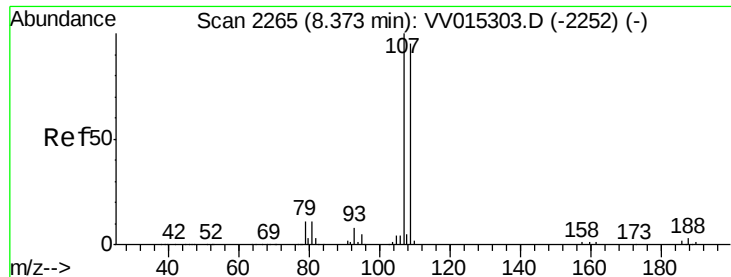
#49
Dibromochloromethane
Concen: 49.931 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015324.D
Acq: 31 Mar 2020 19:26

Tgt Ion:	129	Resp:	236409
Ion	Ratio	Lower	Upper
129	100		
127	78.2	52.8	98.2



Abundance Ion 129.00 (128.70 to 129.70): VV015324.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV015324.D (-2139) (-)

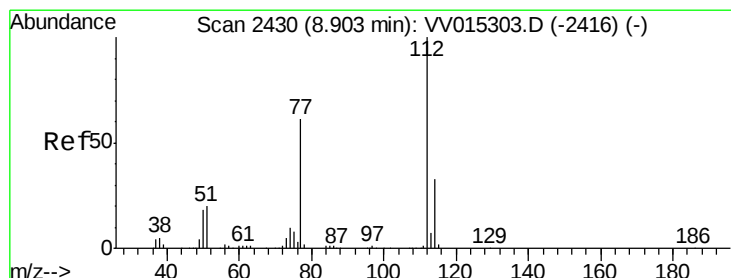
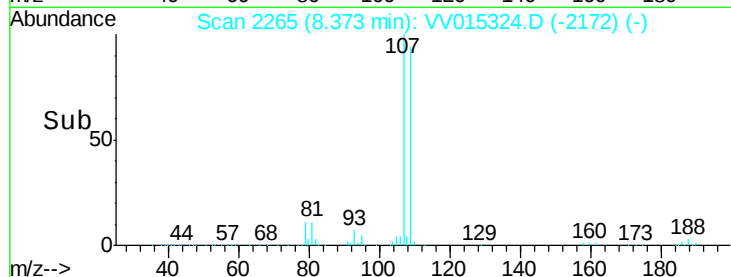
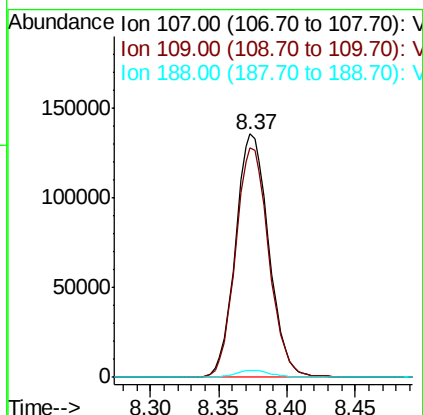
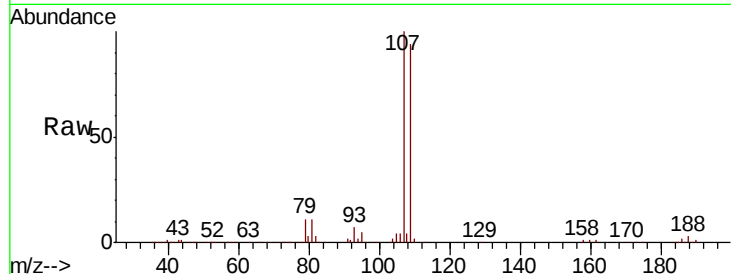




#50
1,2-Dibromoethane
Concen: 48.825 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV015324.D
Acq: 31 Mar 2020 19:26

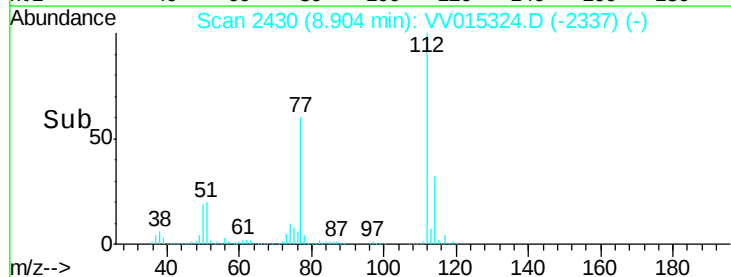
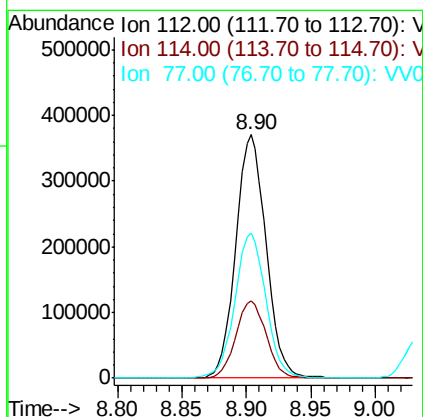
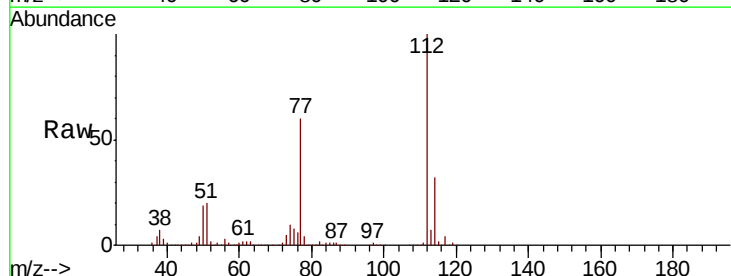
Instrument :
MSVOA_V
ClientSampleId :

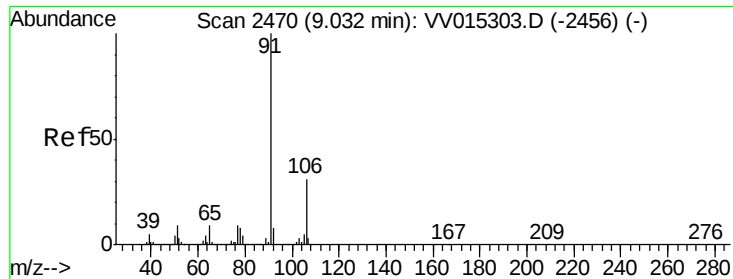
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	67.1	124.7
188	3.0	2.5	3.7



#51
Chlorobenzene
Concen: 48.997 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015324.D
Acq: 31 Mar 2020 19:26

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	21.7	40.3
77	59.7	47.9	71.9





#52

Ethylbenzene

Concen: 50.042 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015324.D

Acq: 31 Mar 2020 19:26

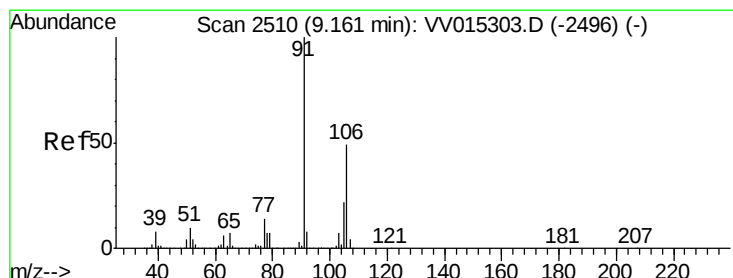
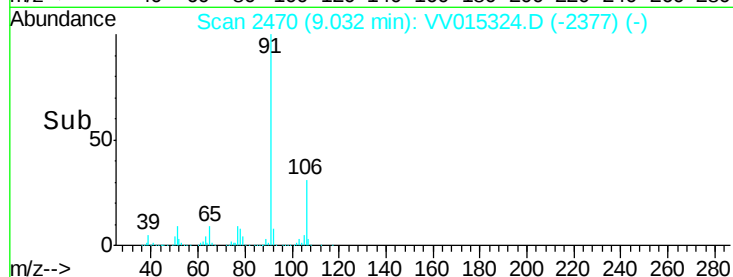
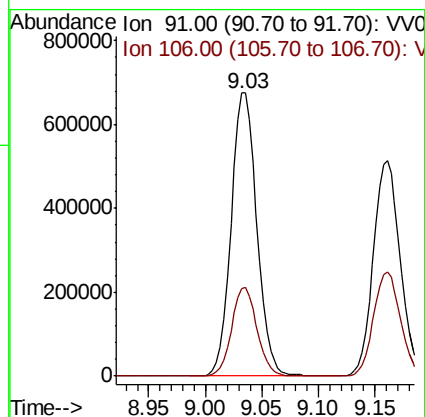
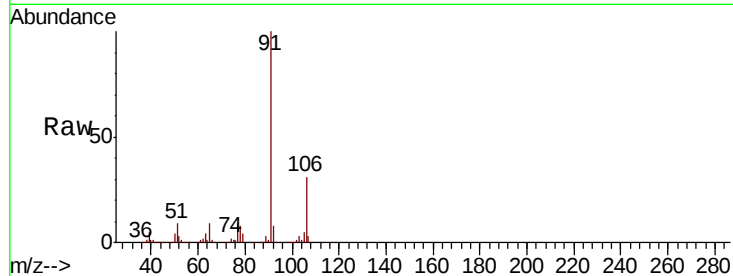
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1071000

Ion Ratio Lower Upper

91 100

106 31.0 22.0 40.8



#53

m,p-Xylene

Concen: 50.386 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015324.D

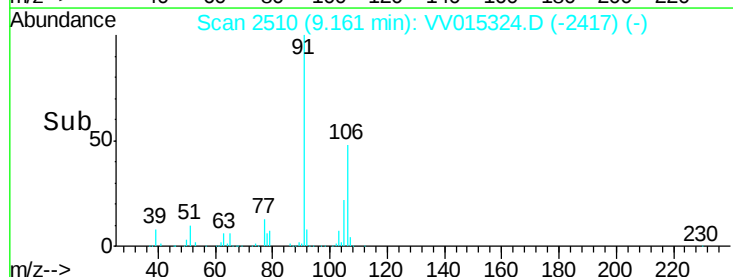
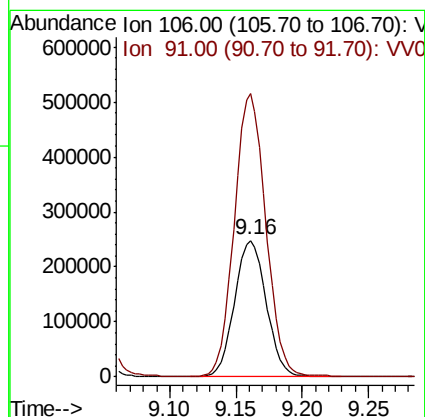
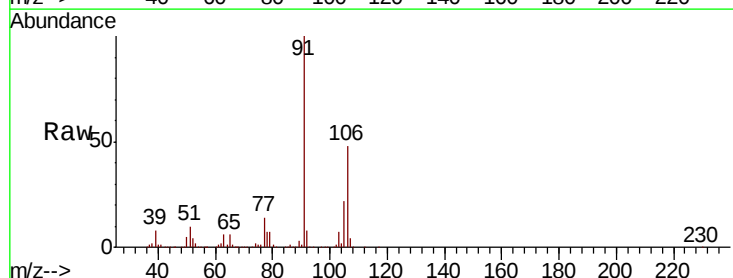
Acq: 31 Mar 2020 19:26

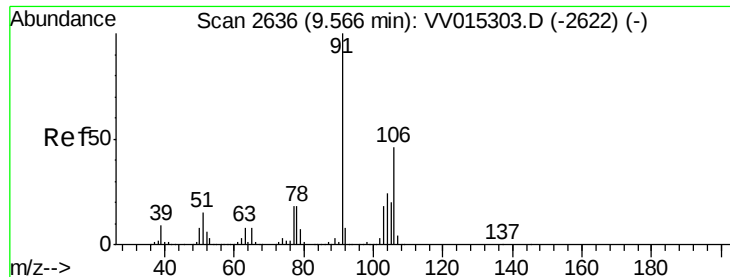
Tgt Ion: 106 Resp: 411318

Ion Ratio Lower Upper

106 100

91 206.9 143.1 265.9





#54

o-xylene

Concen: 50.465 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015324.D

Acq: 31 Mar 2020 19:26

Instrument :

MSVOA_V

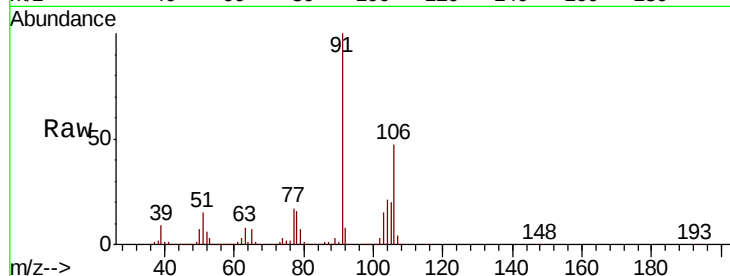
ClientSampleId :

Tot Ion:106 Resp: 409817

Ion Ratio Lower Upper

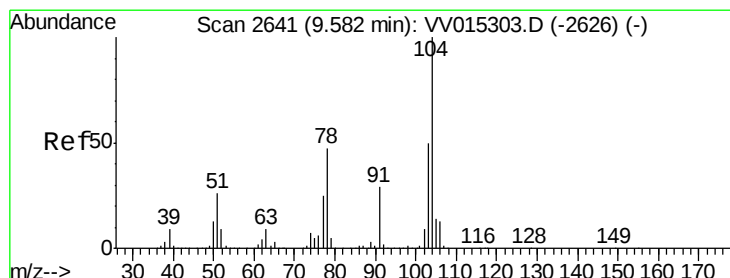
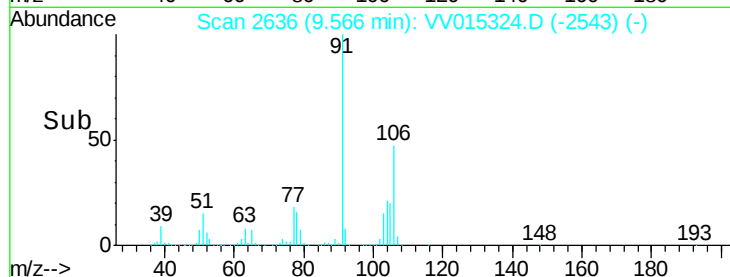
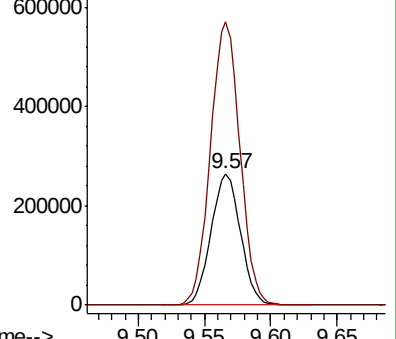
106 100

91 215.0 153.4 285.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 50.005 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015324.D

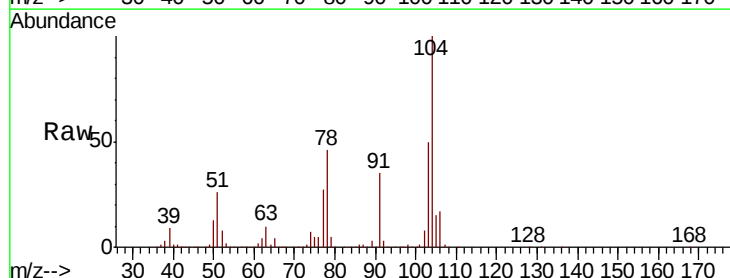
Acq: 31 Mar 2020 19:26

Tgt Ion:104 Resp: 692953

Ion Ratio Lower Upper

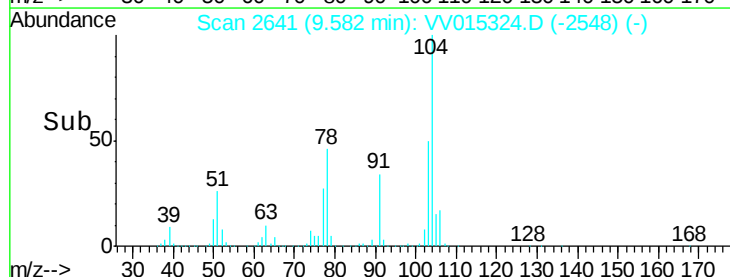
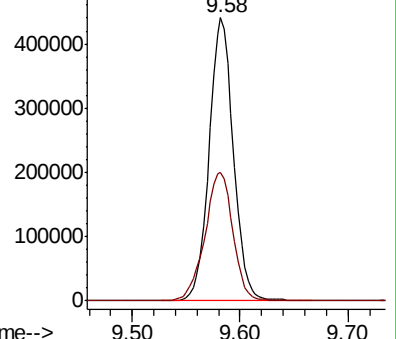
104 100

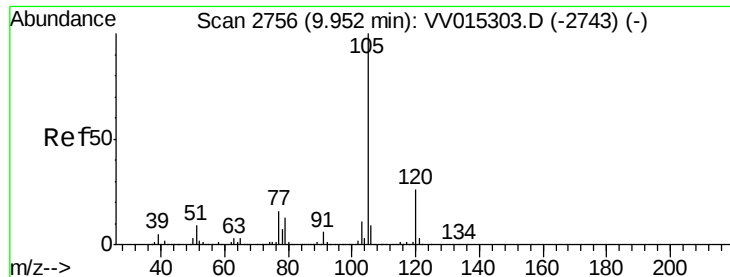
78 45.5 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 49.853 ug/L

RT: 9.96 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV015324.D

Acq: 31 Mar 2020 19:26

Instrument :

MSVOA_V

ClientSampleId :

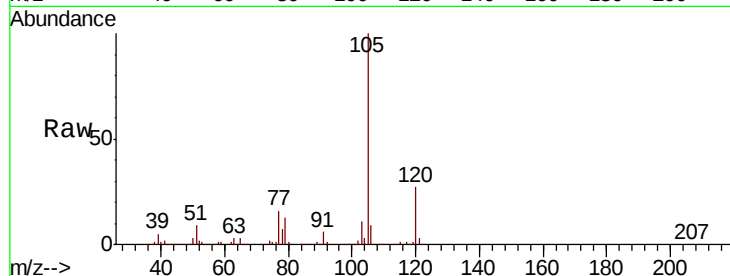
Tot Ion:105 Resp: 1065700

Ion Ratio Lower Upper

105 100

120 26.5 20.7 31.1

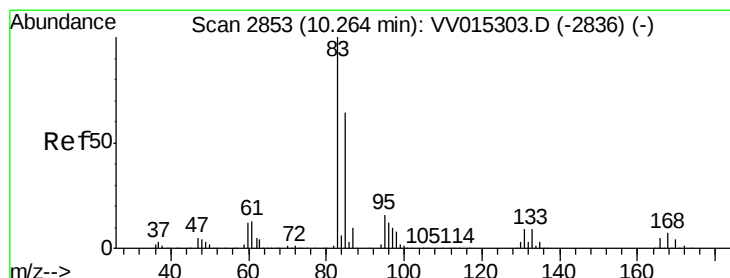
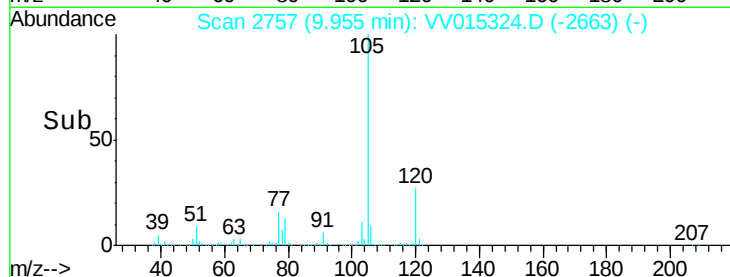
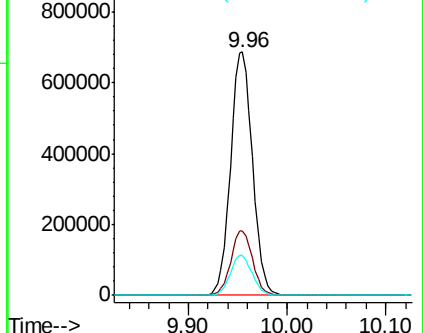
77 16.2 12.8 19.2



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: 50.324 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015324.D

Acq: 31 Mar 2020 19:26

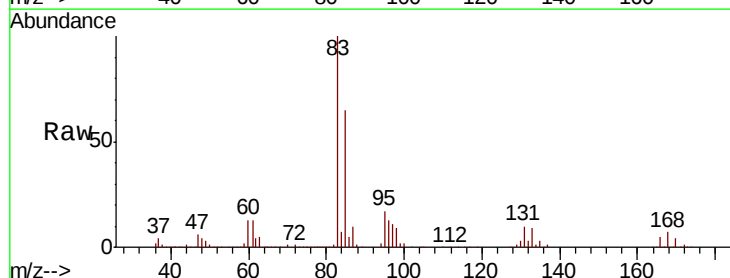
Tgt Ion: 83 Resp: 361814

Ion Ratio Lower Upper

83 100

85 64.6 46.3 85.9

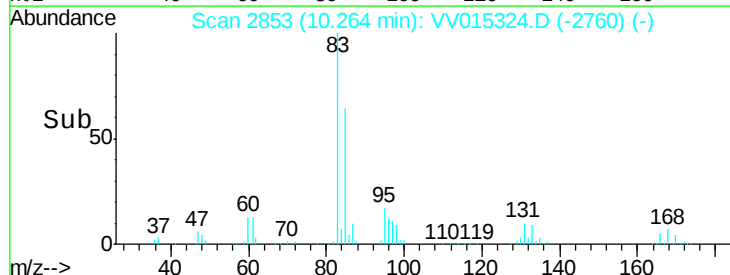
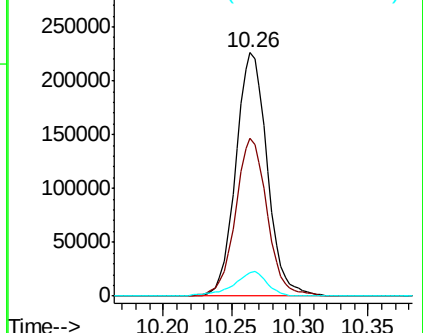
131 9.7 7.6 11.4

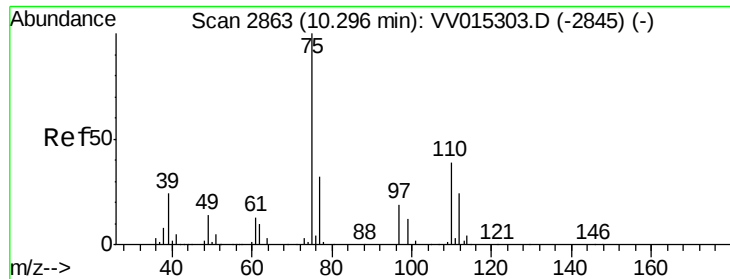


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.901 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015324.D

Acq: 31 Mar 2020 19:26

Instrument :

MSVOA_V

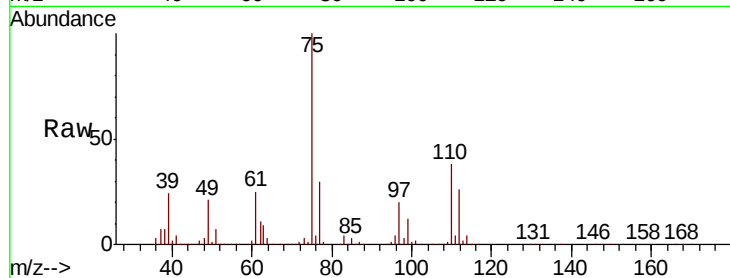
ClientSampled :

Tot Ion: 75 Resp: 296901

Ion Ratio Lower Upper

75 100

77 31.3 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VV015303.D (-2845) (-)

Ion 77.00 (76.70 to 77.70): VV015303.D (-2845) (-)

10.30

200000

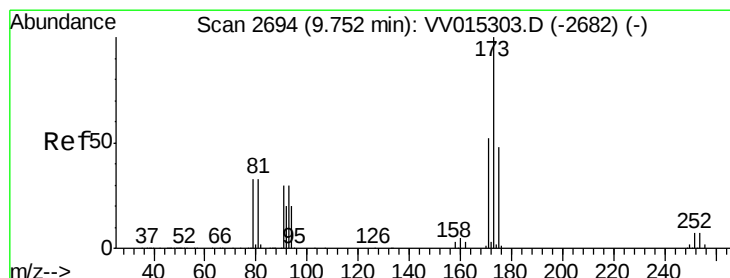
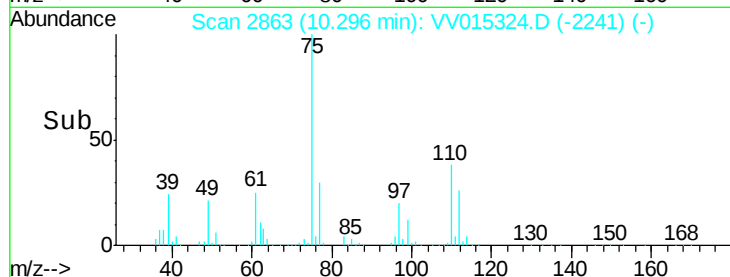
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 49.909 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV015324.D

Acq: 31 Mar 2020 19:26

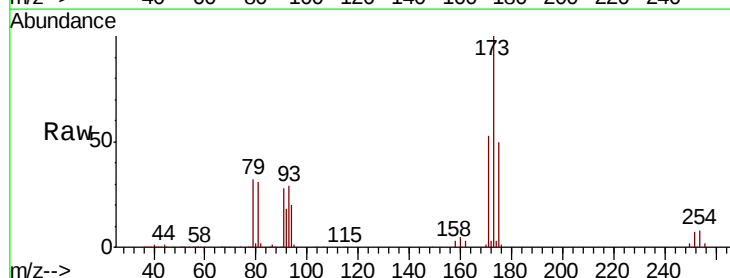
Tgt Ion: 173 Resp: 148927

Ion Ratio Lower Upper

173 100

175 48.9 39.4 59.0

254 7.2 5.6 8.4



Abundance Ion 173.00 (172.70 to 173.70): VV015303.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV015303.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV015303.D (-2682) (-)

9.76

120000

100000

80000

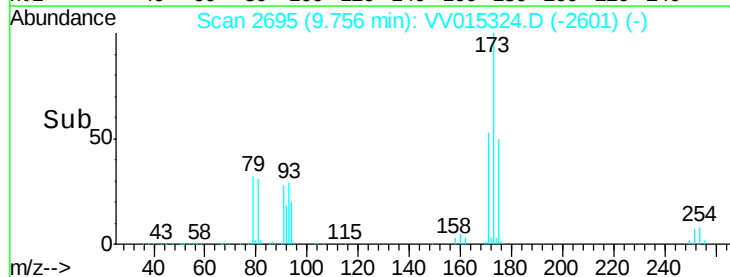
60000

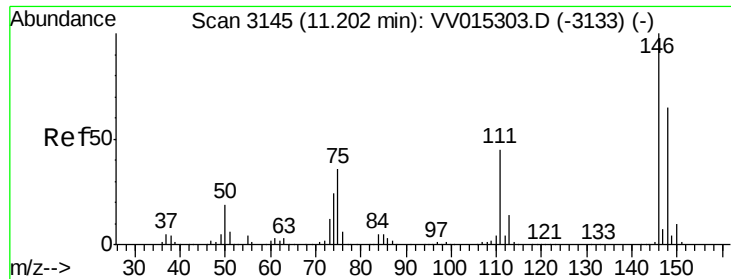
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 48.814 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015324.D

Acq: 31 Mar 2020 19:26

Instrument :

MSVOA_V

ClientSampleId :

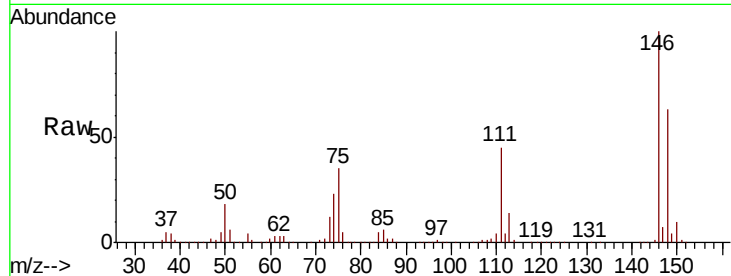
Tot Ion:146 Resp: 445437

Ion Ratio Lower Upper

146 100

111 44.7 30.4 56.4

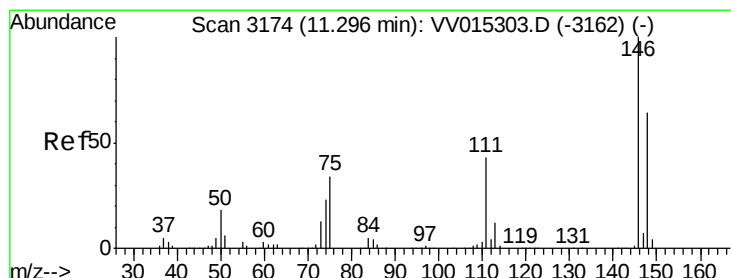
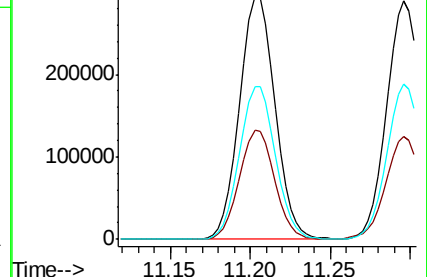
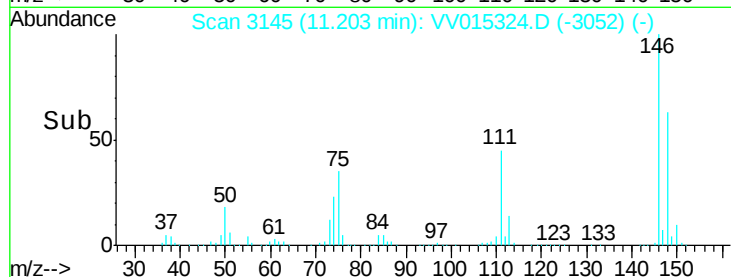
148 62.8 43.9 81.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 47.396 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015324.D

Acq: 31 Mar 2020 19:26

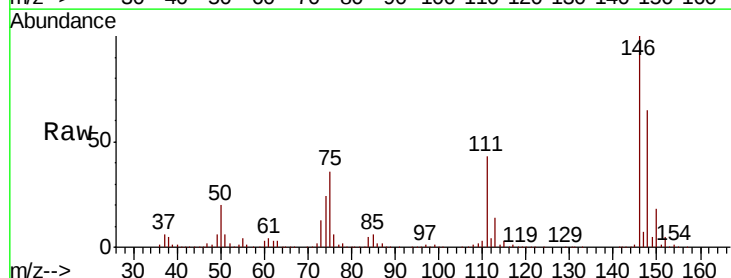
Tgt Ion:146 Resp: 441448

Ion Ratio Lower Upper

146 100

111 43.5 30.5 56.7

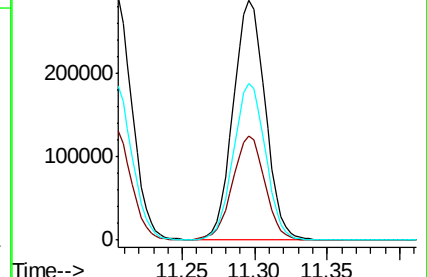
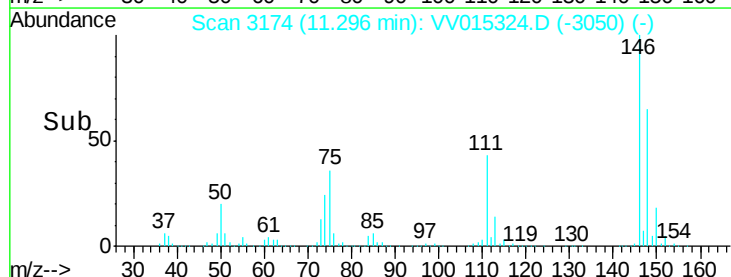
148 65.3 45.0 83.6

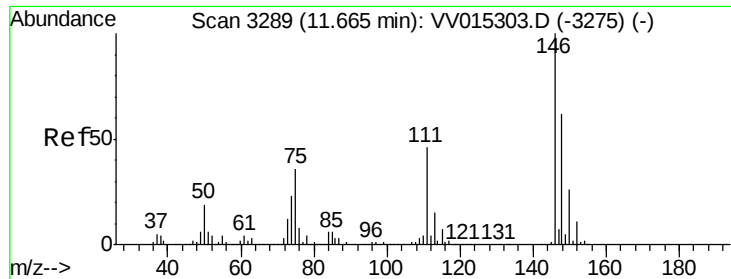


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.513 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV015324.D

Acq: 31 Mar 2020 19:26

Instrument :

MSVOA_V

ClientSampleId :

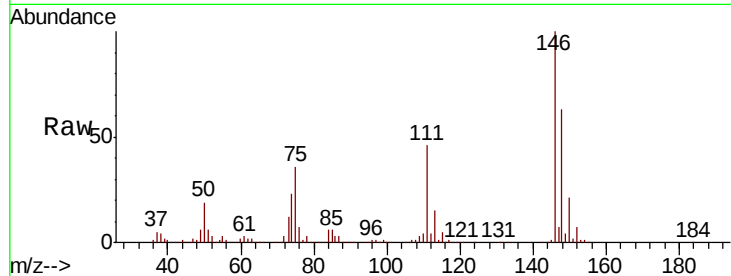
Tot Ion:146 Resp: 446730

Ion Ratio Lower Upper

146 100

111 45.9 35.8 53.6

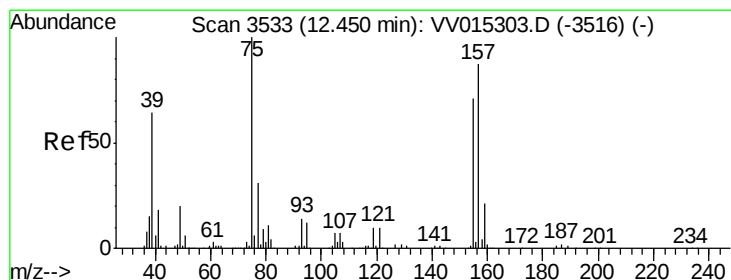
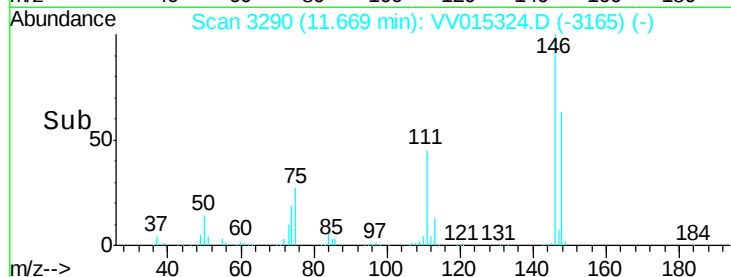
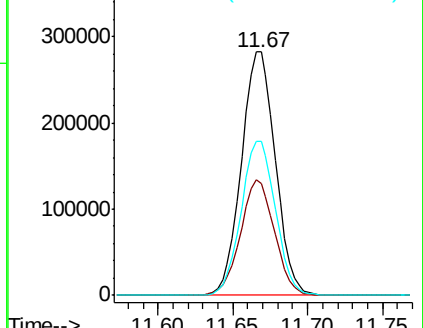
148 63.3 49.1 73.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 45.726 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015324.D

Acq: 31 Mar 2020 19:26

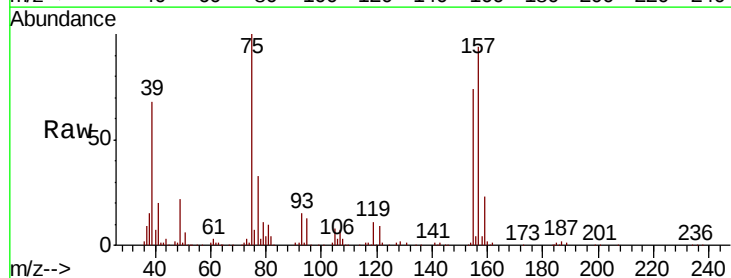
Tgt Ion: 75 Resp: 92643

Ion Ratio Lower Upper

75 100

155 73.8 58.2 87.4

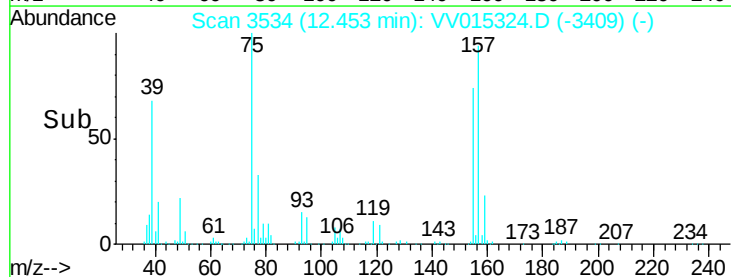
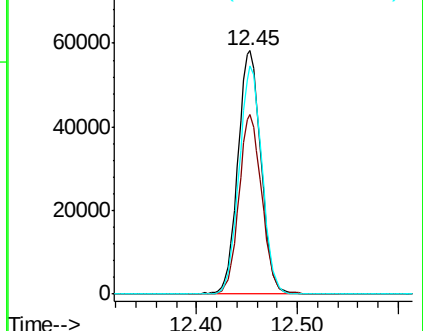
157 93.7 73.0 109.6

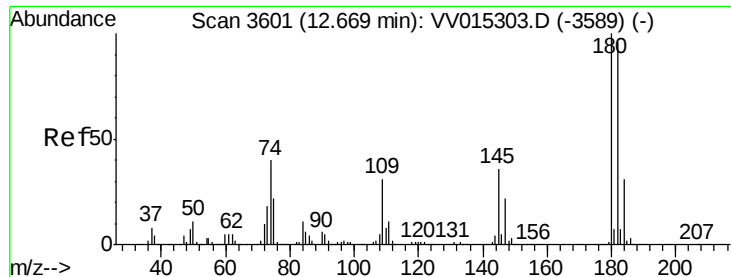


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

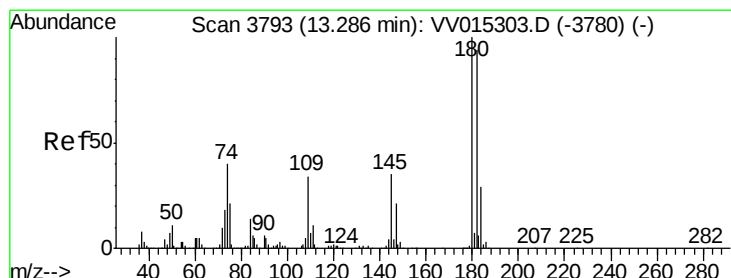
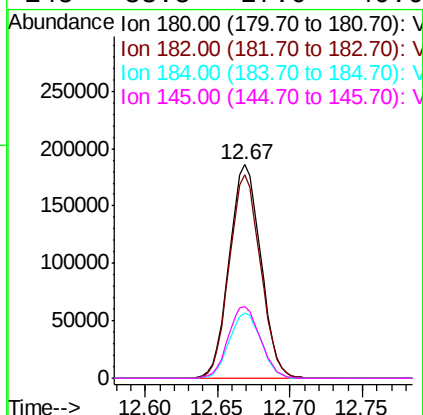
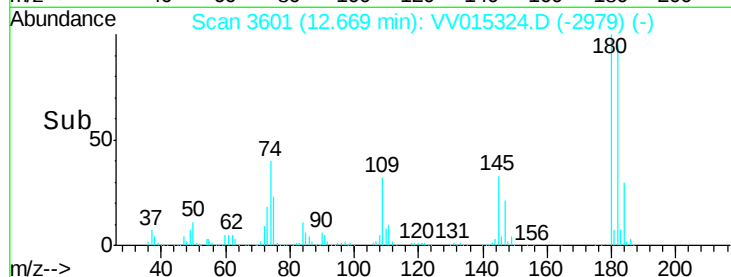
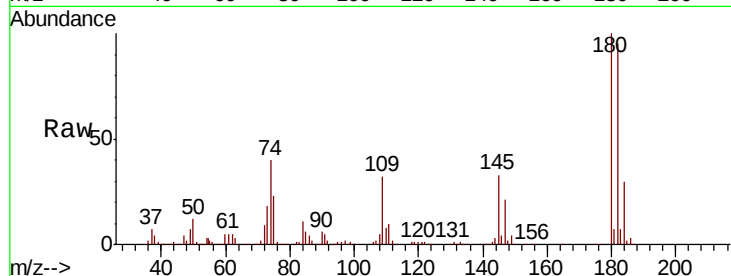




#67
 1,3,5-Trichlorobenzene
 Concen: 48.297 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015324.D
 Acq: 31 Mar 2020 19:26

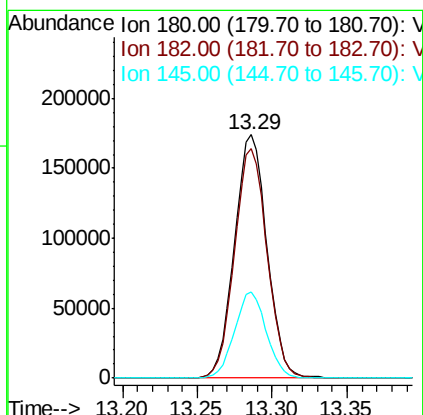
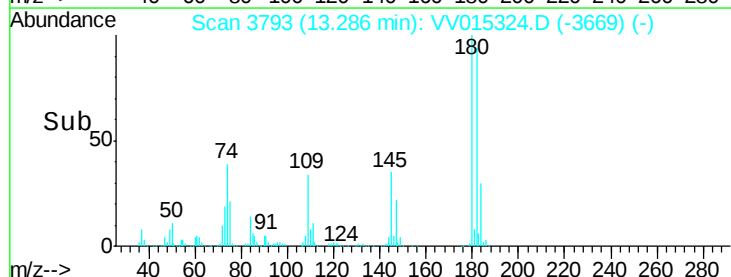
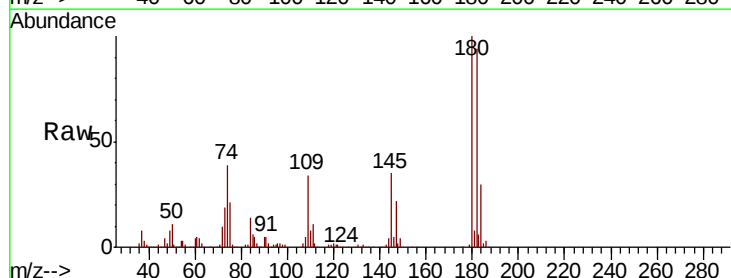
Instrument :
 MSVOA_V
 ClientSampled :

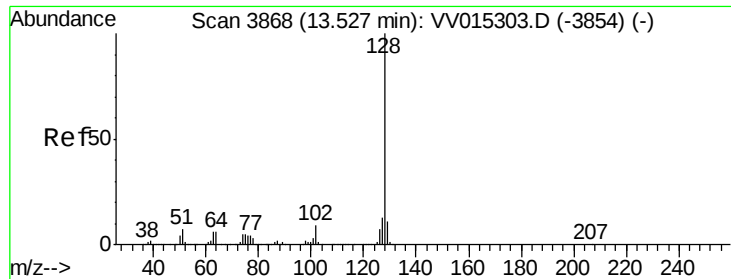
Tot Ion:180	Resp:	281288
Ion Ratio	Lower	Upper
180	100	
182	94.5	76.8 115.2
184	30.8	23.6 35.4
145	33.8	27.0 40.6



#68
 1,2,4-trichlorobenzene
 Concen: 47.574 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015324.D
 Acq: 31 Mar 2020 19:26

Tgt Ion:180	Resp:	263268
Ion Ratio	Lower	Upper
180	100	
182	94.3	75.2 112.8
145	34.6	27.3 40.9





#69

Naphthalene

Concen: 47.624 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015324.D

Acq: 31 Mar 2020 19:26

Instrument :

MSVOA_V

ClientSampleId :

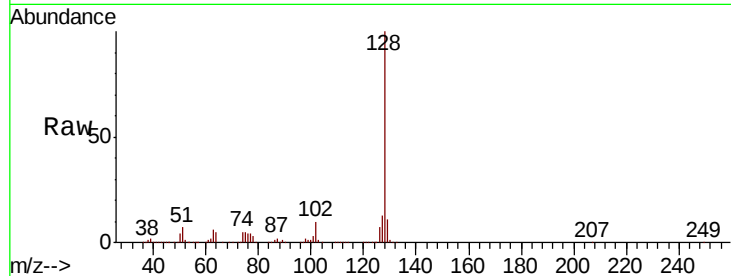
Tot Ion:128 Resp: 1050540

Ion Ratio Lower Upper

128 100

127 12.8 10.6 15.8

129 10.8 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

800000

600000

400000

200000

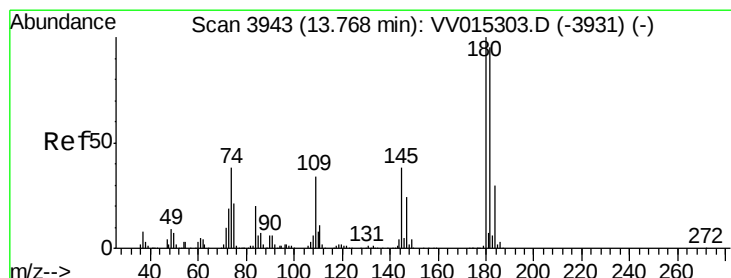
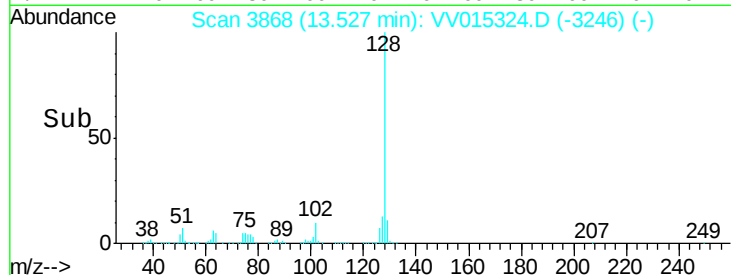
0

13.53

13.50

13.60

Time-->



#70

1,2,3-Trichlorobenzene

Concen: 48.262 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015324.D

Acq: 31 Mar 2020 19:26

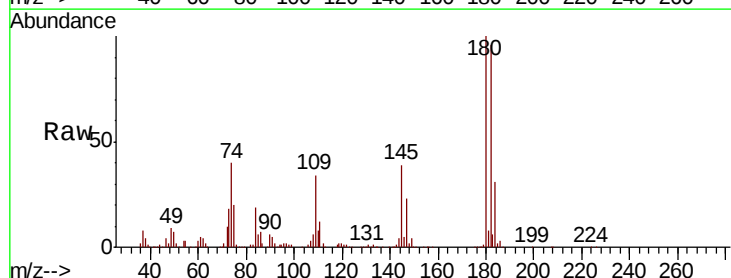
Tgt Ion:180 Resp: 268039

Ion Ratio Lower Upper

180 100

182 95.5 74.7 112.1

145 38.2 29.6 44.4



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

200000

150000

100000

50000

0

13.77

13.70

13.80

13.85

Time-->

