

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111419\
 Data File : VV013633.D
 Acq On : 14 Nov 2019 20:28
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 15 02:45:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 15 02:40:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	355553	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	355889	5.00	ug/L	-0.02
60) 1,4-Dichlorobenzene-d4	11.29	152	190324	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	103424	4.53	ug/L	-0.03
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.60%
7) Chloroethane-d5	1.58	69	92091	5.06	ug/L	-0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.20%
11) 1,1-Dichloroethene-d2	2.13	63	184617	4.72	ug/L	-0.03
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.40%
20) 2-Butanone-d5	3.95	46	263180	64.35	ug/L	-0.08
Spiked Amount	50.000	Range	40 - 130	Recovery	=	128.70%
24) Chloroform-d	4.40	84	233331	5.95	ug/L	-0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	119.00%
26) 1,2-Dichloroethane-d4	5.08	65	112600	5.89	ug/L	-0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.80%
32) Benzene-d6	5.09	84	436928	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
36) 1,2-Dichloropropane-d6	6.11	67	134256	4.56	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.36	98	406564	4.68	ug/L	-0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.66	79	50991	4.66	ug/L	-0.04
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	8.13	63	224840	51.50	ug/L	-0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.00%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	103415	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	162017	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	153587	4.643	ug/L	98
3) Chloromethane	1.25	50	158203	5.298	ug/L	100
5) Vinyl chloride	1.32	62	147102	5.059	ug/L	99
6) Bromomethane	1.53	94	87314	5.443	ug/L	97
8) Chloroethane	1.60	64	84304	5.352	ug/L	98
9) Trichlorofluoromethane	1.77	101	195124	4.982	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	105815	4.758	ug/L	100
12) 1,1-Dichloroethene	2.14	96	109895	5.317	ug/L	85
13) Acetone	2.21	43	179173	67.751	ug/L #	61
14) Carbon disulfide	2.32	76	330379	5.528	ug/L	97
15) Methyl Acetate	2.47	43	47726	6.267	ug/L	91
16) Methylene chloride	2.53	84	134703	5.997	ug/L	95
17) Methyl tert-butyl Ether	2.80	73	264009	5.457	ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	125211	5.660	ug/L	97
19) 1,1-Dichloroethane	3.23	63	241601	6.105	ug/L	97
21) 2-Butanone	4.03	43	292642	59.780	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	137568	5.667	ug/L #	98

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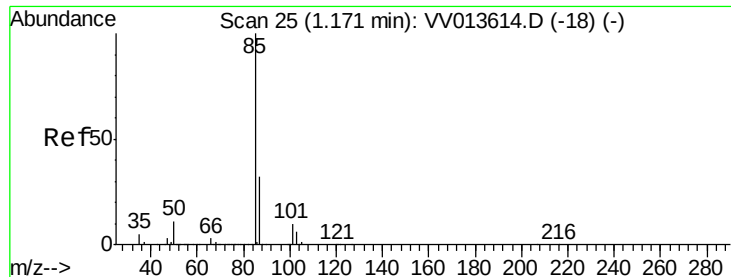
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 15 02:45:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 15 02:40:46 2019
 Response via : Initial Calibration

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

23) Bromochloromethane	4.30	128	63102	5.859	ug/L	93
25) Chloroform	4.42	83	275438	5.561	ug/L	98
27) 1,2-Dichloroethane	5.18	62	148972	5.470	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	211040	5.497	ug/L	97
30) Cyclohexane	4.72	56	181380	4.756	ug/L	93
31) Carbon tetrachloride	4.87	117	183300	5.322	ug/L	99
33) Benzene	5.14	78	534102	5.137	ug/L	100
34) Trichloroethene	5.95	95	132538	4.542	ug/L	99
35) Methylcyclohexane	6.17	83	181846	4.288	ug/L	97
37) 1,2-Dichloropropane	6.22	63	131009	4.880	ug/L #	96
38) Bromodichloromethane	6.55	83	171344	4.665	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	177175	4.772	ug/L	97
40) 4-Methyl-2-pentanone	7.27	43	749030	49.886	ug/L	99
42) Toluene	7.43	91	569662	5.045	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	142022	5.000	ug/L	93
45) 1,1,2-Trichloroethane	7.88	97	92955	4.830	ug/L	97
47) Tetrachloroethene	8.02	164	121614	4.581	ug/L	98
48) 2-Hexanone	8.18	43	560308	53.041	ug/L	97
49) Dibromochloromethane	8.29	129	117666	4.867	ug/L	100
50) 1,2-Dibromoethane	8.39	107	83907	4.772	ug/L	97
51) Chlorobenzene	8.92	112	369064	4.987	ug/L	98
52) Ethylbenzene	9.05	91	580144	4.903	ug/L	100
53) m,p-xylene	9.18	106	221867	4.922	ug/L	100
54) o-xylene	9.58	106	211838	5.029	ug/L	100
55) Styrene	9.60	104	381422	5.196	ug/L	99
56) Isopropylbenzene	9.97	105	568568	5.029	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	105872	5.011	ug/L	96
59) 1,2,3-Trichloropropane	10.31	75	78520	4.801	ug/L	99
61) Bromoform	9.77	173	68021	4.760	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	303794	4.946	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	304286	4.839	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	284310	5.007	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	16014	4.609	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	240729	4.832	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	192214	4.990	ug/L	99
69) Naphthalene	13.55	128	240970	4.955	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	182436	5.094	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.643 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.03 min

Lab File: VV013633.D

Acq: 14 Nov 2019 20:28

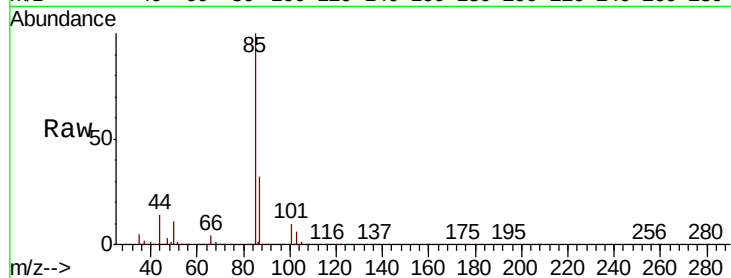
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 153587

Ion Ratio Lower Upper

85 100

87 33.1 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

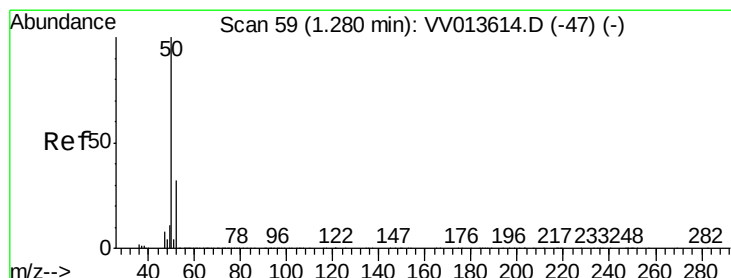
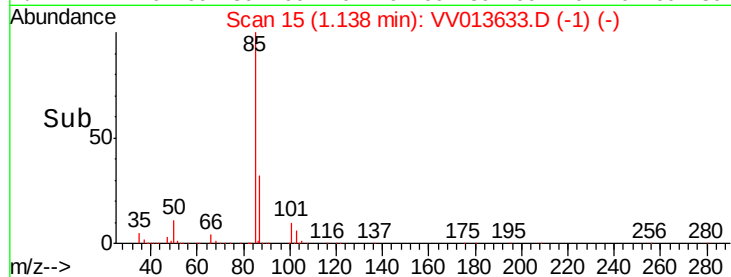
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 5.298 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.03 min

Lab File: VV013633.D

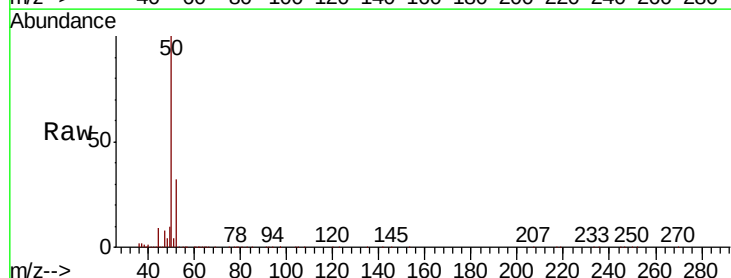
Acq: 14 Nov 2019 20:28

Tgt Ion: 50 Resp: 158203

Ion Ratio Lower Upper

50 100

52 32.5 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.25

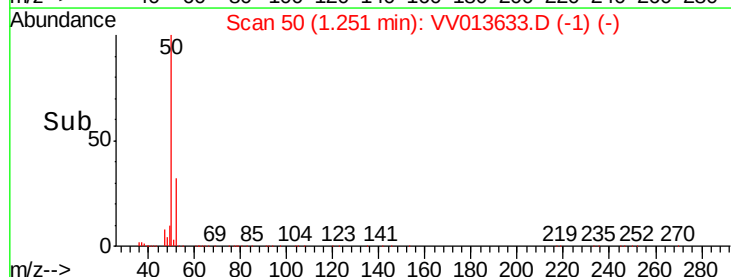
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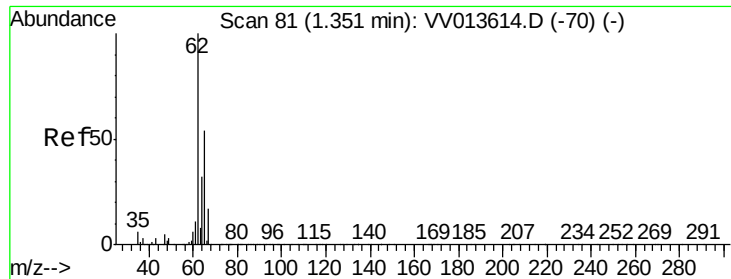
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 5.059 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.03 min

Lab File: VV013633.D

Acq: 14 Nov 2019 20:28

Instrument :

MSVOA_V

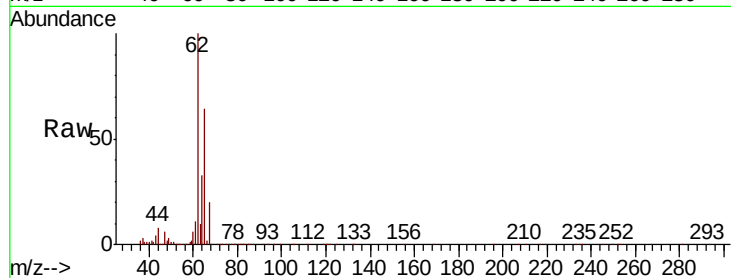
ClientSampleId :

Tot Ion: 62 Resp: 147102

Ion Ratio Lower Upper

62 100

64 33.2 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

150000

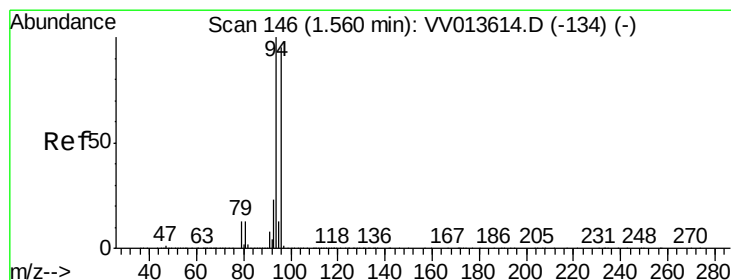
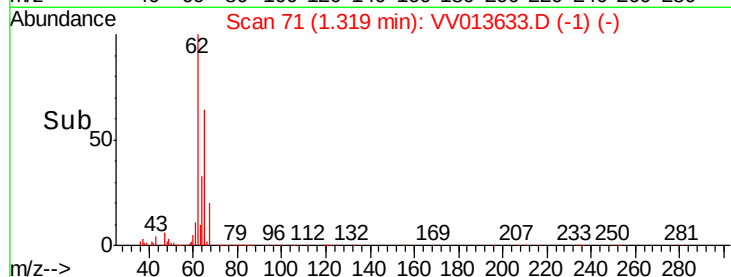
100000

50000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 5.443 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.03 min

Lab File: VV013633.D

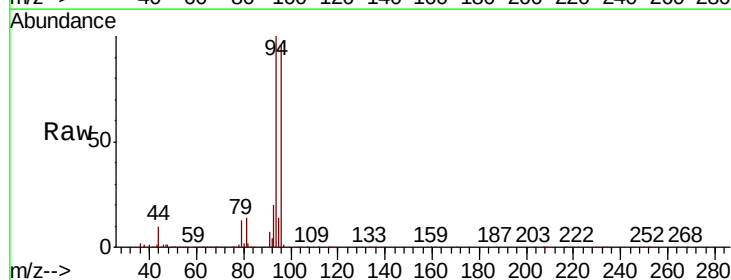
Acq: 14 Nov 2019 20:28

Tgt Ion: 94 Resp: 87314

Ion Ratio Lower Upper

94 100

96 95.7 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

80000

60000

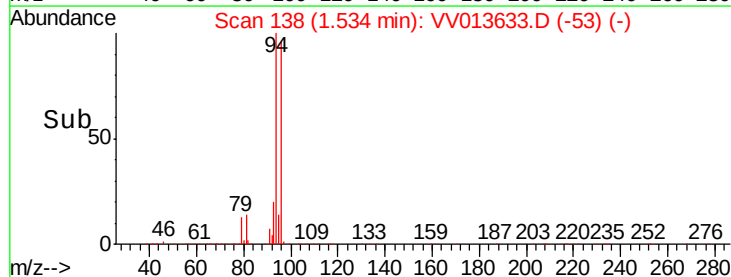
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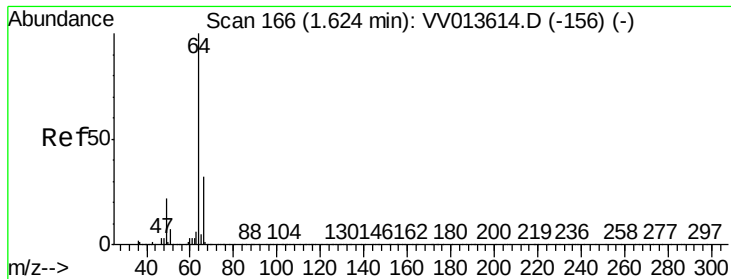
20000

0

Time-->

1.50 1.55 1.60





#8

Chloroethane

Concen: 5.352 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.03 min

Lab File: VV013633.D

Acq: 14 Nov 2019 20:28

Instrument :

MSVOA_V

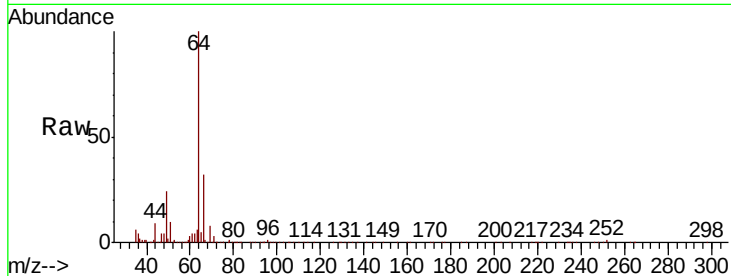
ClientSampleId :

Tot Ion: 64 Resp: 84304

Ion Ratio Lower Upper

64 100

66 31.9 23.0 42.8



Abundance Ion 64.10 (63.80 to 64.80): VV013614.D (-156) (-)

Ion 66.05 (65.75 to 66.75): VV013614.D (-156) (-)

1.60

80000

60000

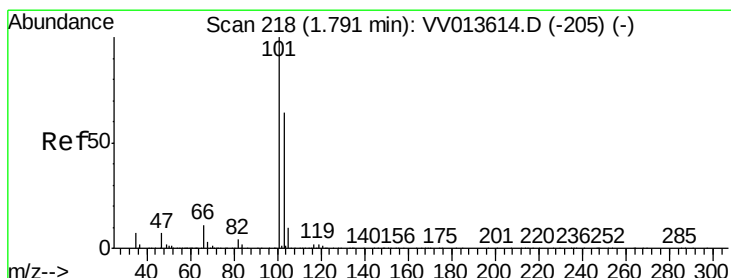
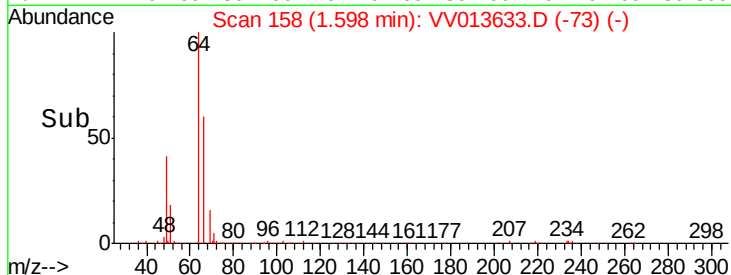
40000

20000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 4.982 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.03 min

Lab File: VV013633.D

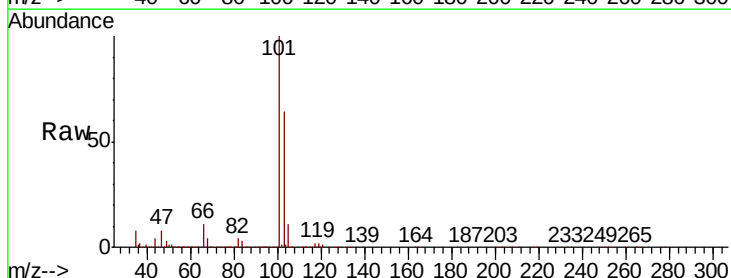
Acq: 14 Nov 2019 20:28

Tgt Ion: 101 Resp: 195124

Ion Ratio Lower Upper

101 100

103 65.1 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): VV013614.D (-205) (-)

Ion 103.00 (102.70 to 103.70): VV013614.D (-205) (-)

1.77

150000

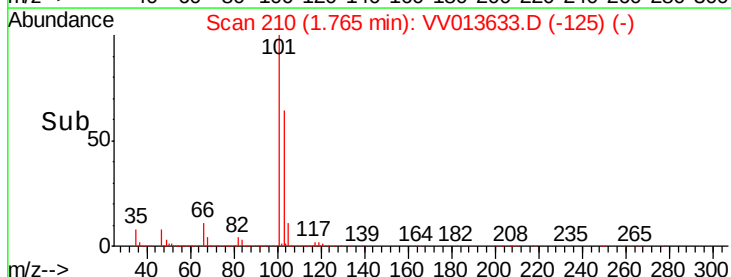
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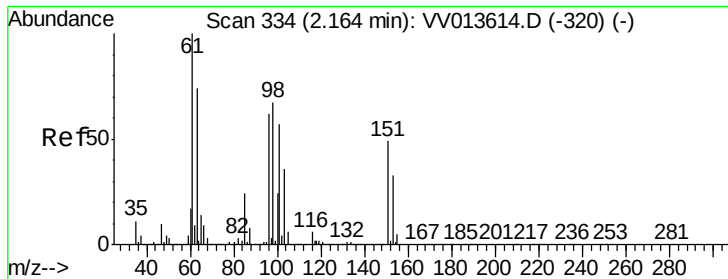
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 4.758 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.03 min

Lab File: VV013633.D

Acq: 14 Nov 2019 20:28

Instrument :

MSVOA_V

ClientSampled :

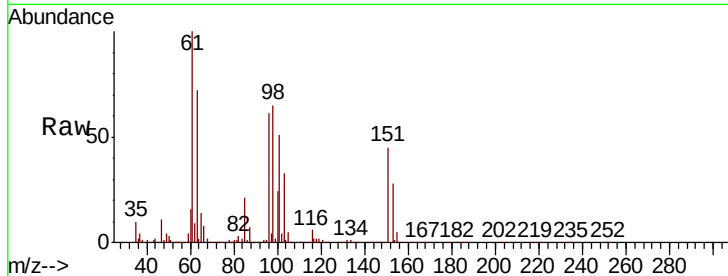
Tot Ion:101 Resp: 105815

Ion Ratio Lower Upper

101 100

85 41.4 33.1 49.7

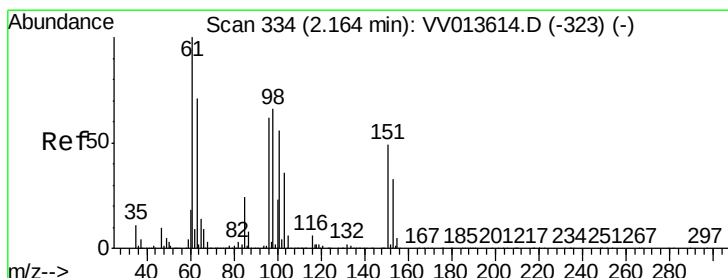
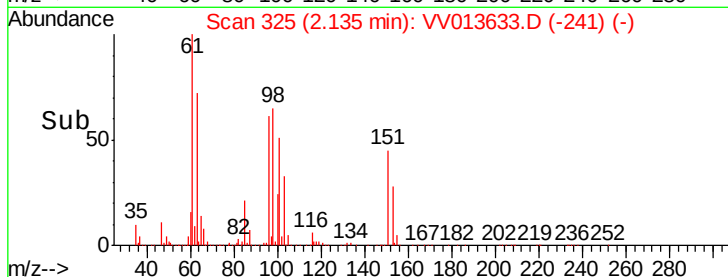
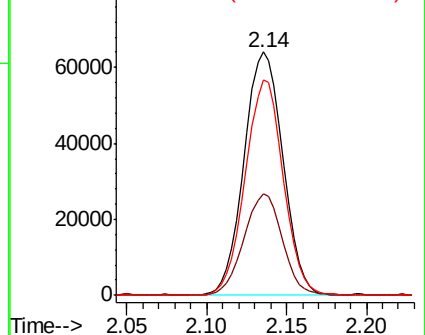
151 87.1 69.5 104.3



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: 5.317 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.03 min

Lab File: VV013633.D

Acq: 14 Nov 2019 20:28

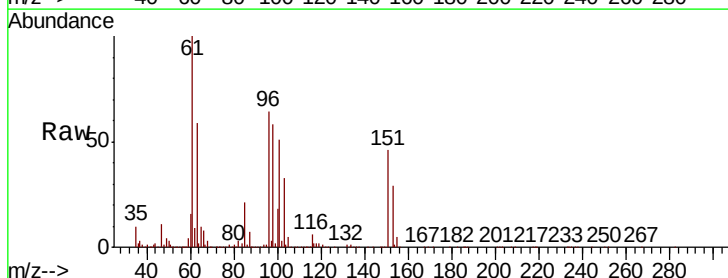
Tgt Ion: 96 Resp: 109895

Ion Ratio Lower Upper

96 100

61 156.9 115.6 214.6

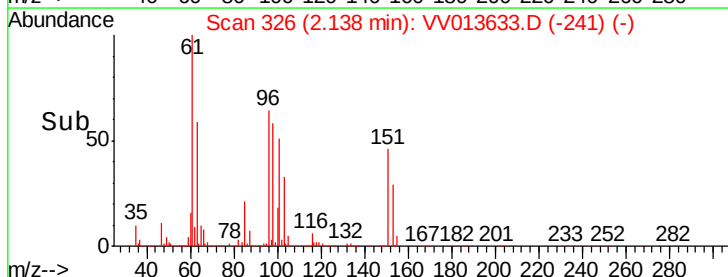
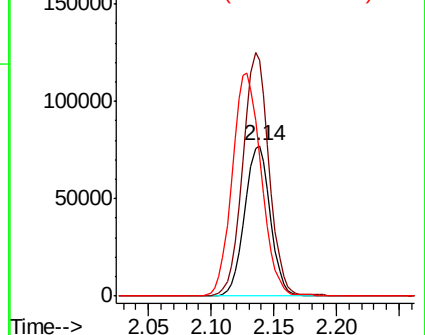
63 93.1 87.2 162.0

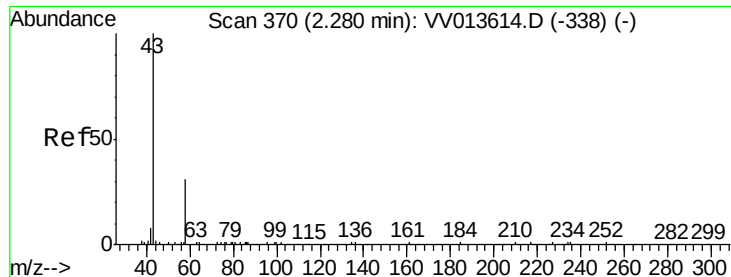


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 67.751 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.07 min

Lab File: VV013633.D

Acq: 14 Nov 2019 20:28

Instrument :

MSVOA_V

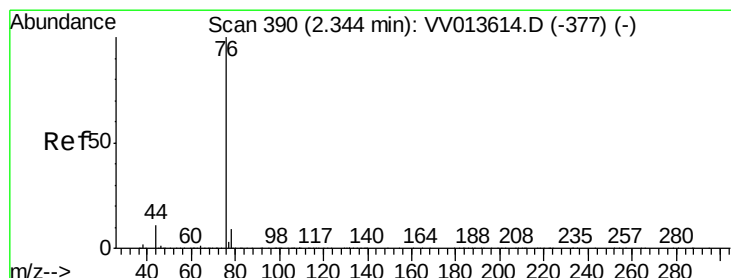
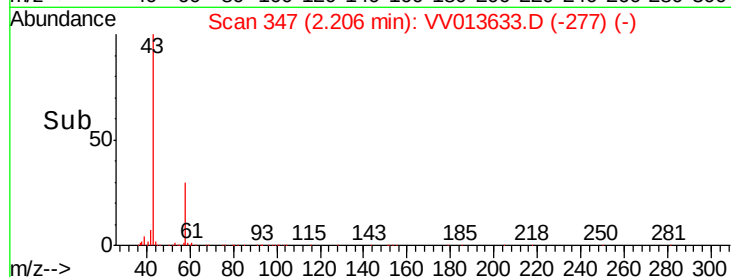
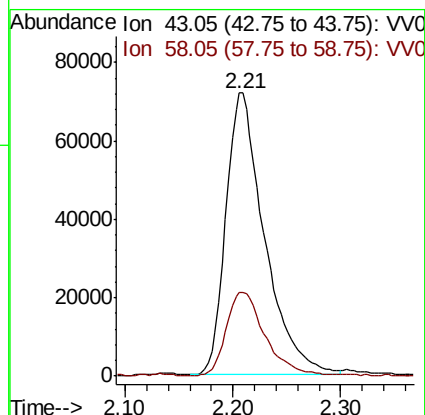
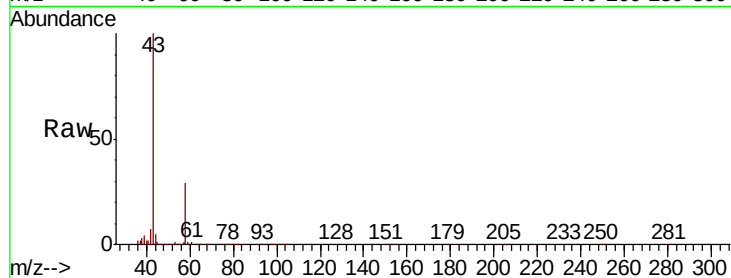
ClientSampleId :

Tot Ion: 43 Resp: 179173

Ion Ratio Lower Upper

43 100

58 30.3 0.0 28.8#



#14

Carbon disulfide

Concen: 5.528 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.03 min

Lab File: VV013633.D

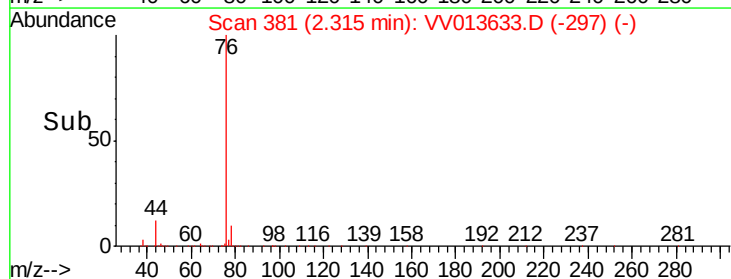
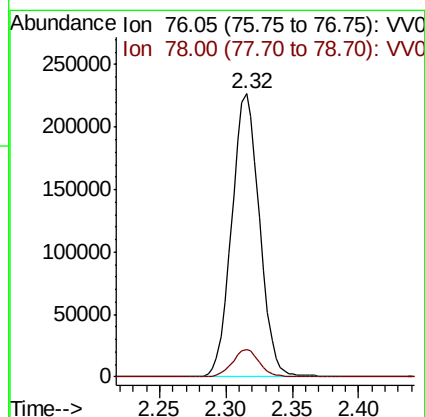
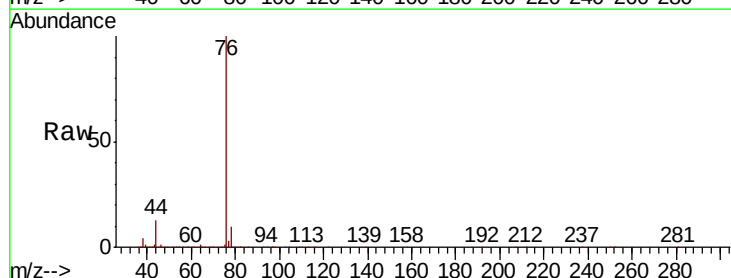
Acq: 14 Nov 2019 20:28

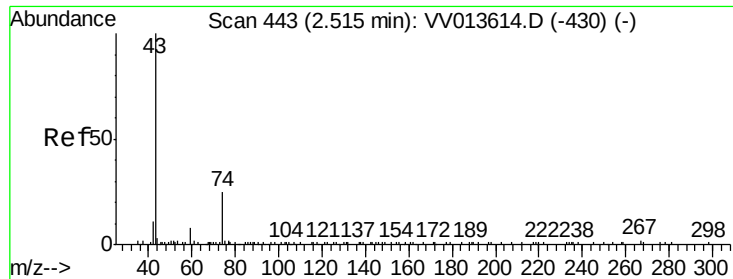
Tgt Ion: 76 Resp: 330379

Ion Ratio Lower Upper

76 100

78 9.9 7.0 10.6

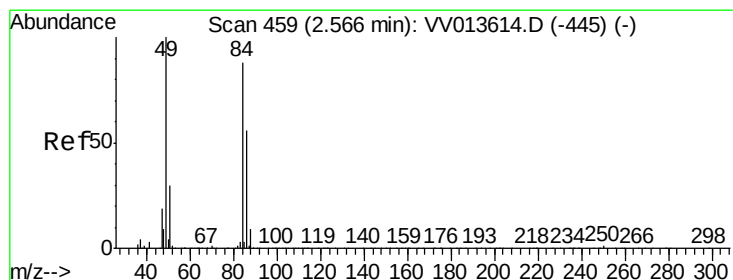
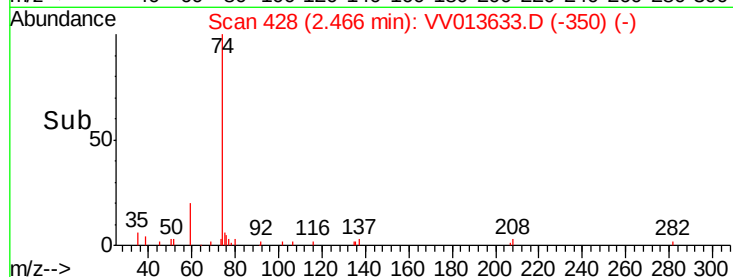
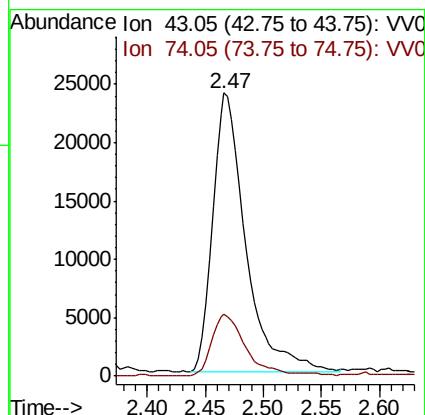
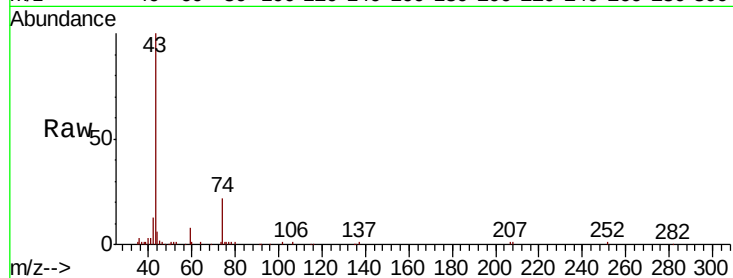




#15
Methvl Acetate
Concen: 6.267 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.05 min
Lab File: VV013633.D
Acq: 14 Nov 2019 20:28

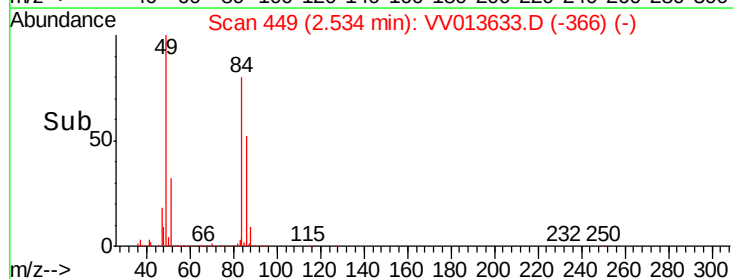
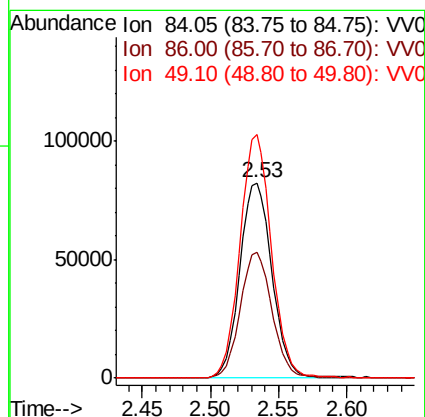
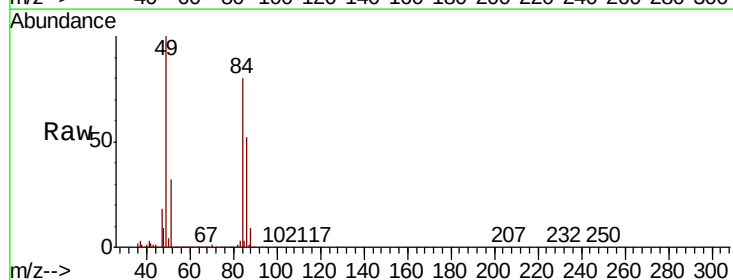
Instrument :
MSVOA_V
ClientSampled :

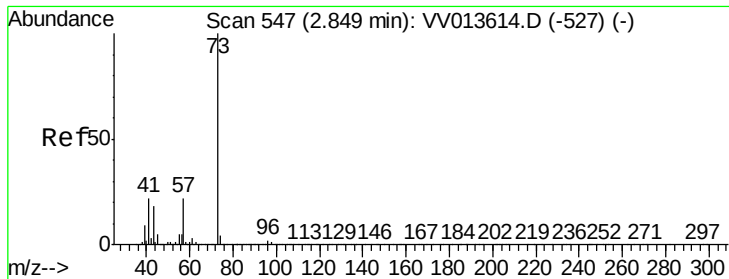
Tot Ion: 43 Resp: 47726
Ion Ratio Lower Upper
43 100
74 22.6 21.9 32.9



#16
Methylene chloride
Concen: 5.997 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.03 min
Lab File: VV013633.D
Acq: 14 Nov 2019 20:28

Tgt Ion: 84 Resp: 134703
Ion Ratio Lower Upper
84 100
86 64.7 45.1 83.9
49 124.7 81.4 151.2

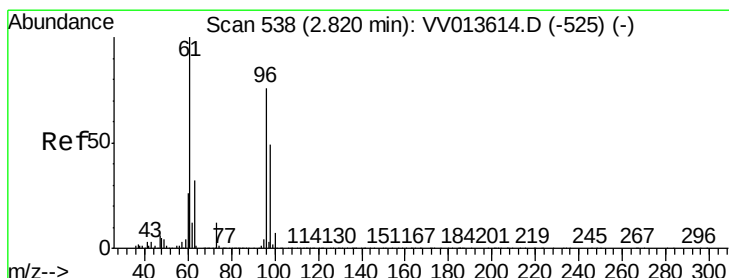
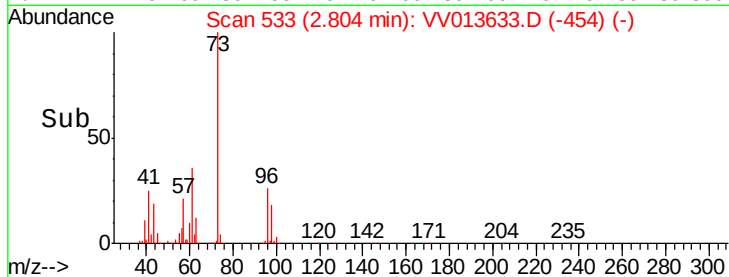
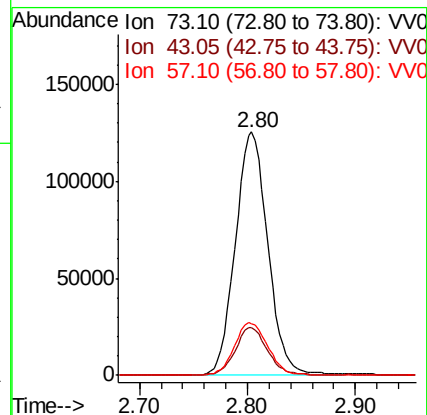
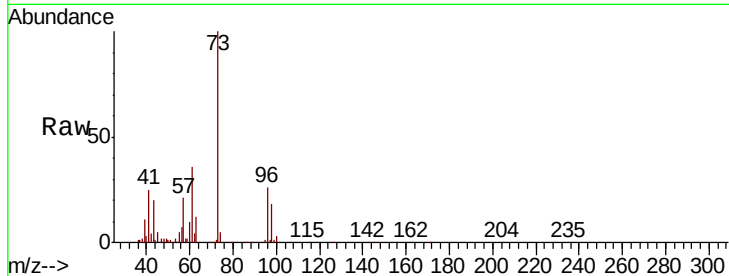




#17
Methvl tert-butvl Ether
Concen: 5.457 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.05 min
Lab File: VV013633.D
Acq: 14 Nov 2019 20:28

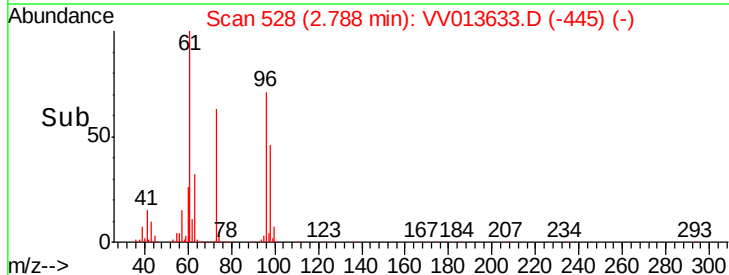
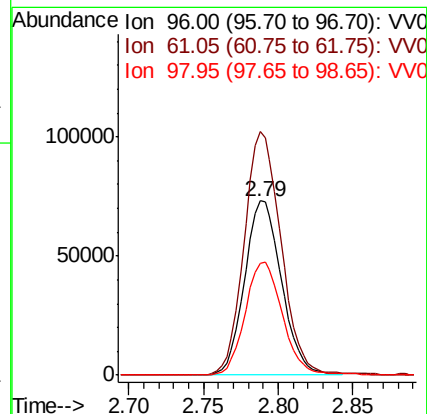
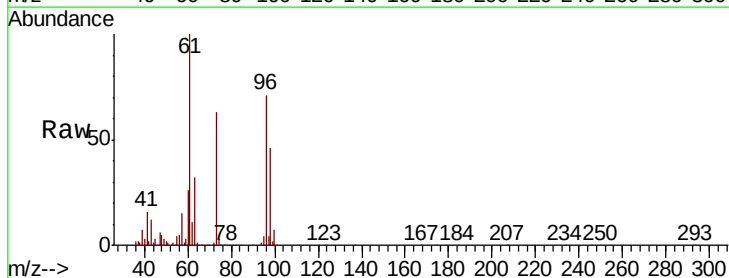
Instrument :
MSVOA_V
ClientSampleId :

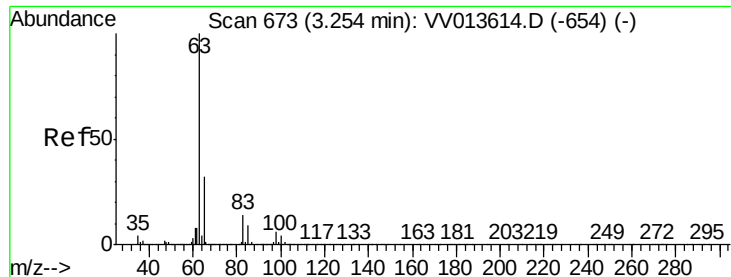
Tot Ion	73	Resp	264009
Ion Ratio	Lower	Upper	
73	100		
43	19.0	14.8	22.2
57	22.3	16.3	24.5



#18
trans-1,2-Dichloroethene
Concen: 5.660 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.03 min
Lab File: VV013633.D
Acq: 14 Nov 2019 20:28

Tgt Ion	96	Resp	125211
Ion Ratio	Lower	Upper	
96	100		
61	139.9	95.2	176.8
98	64.2	46.1	85.7

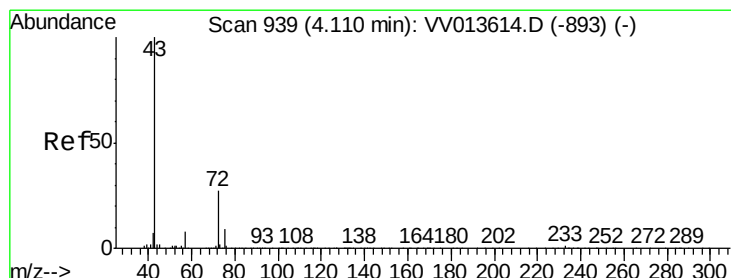
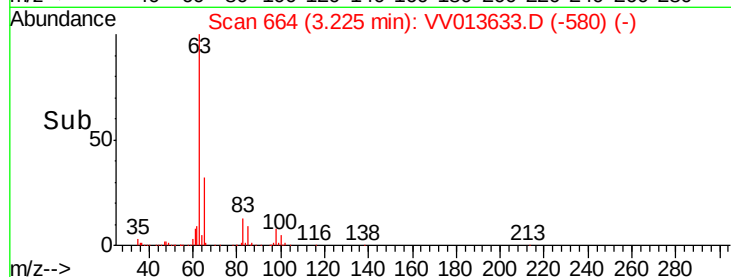
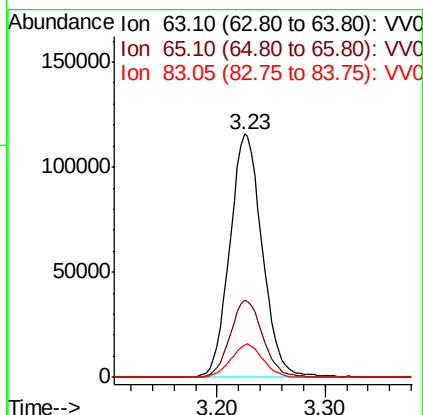
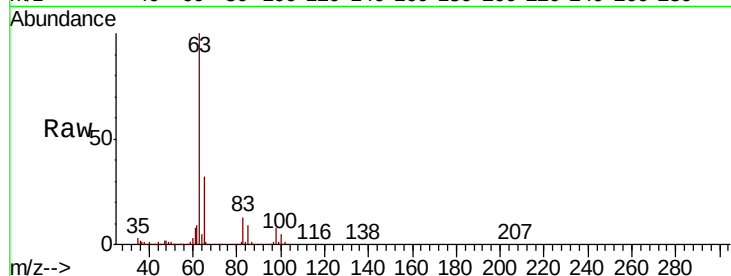




#19
 1,1-Dichloroethane
 Concen: 6.105 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: VV013633.D
 Acq: 14 Nov 2019 20:28

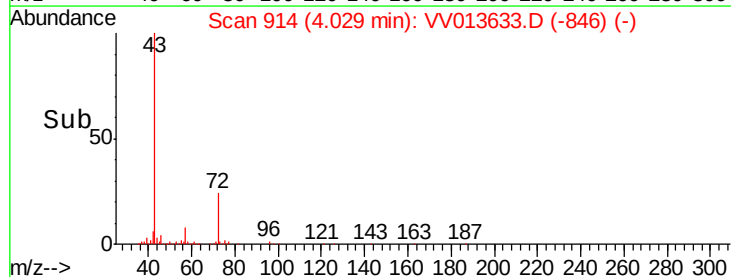
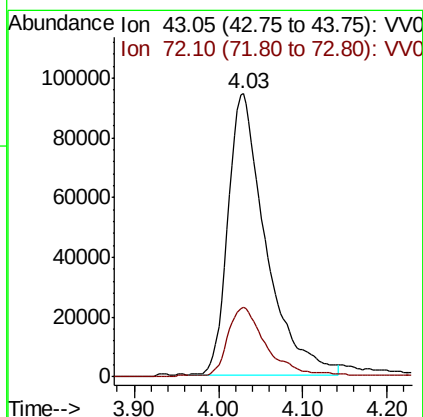
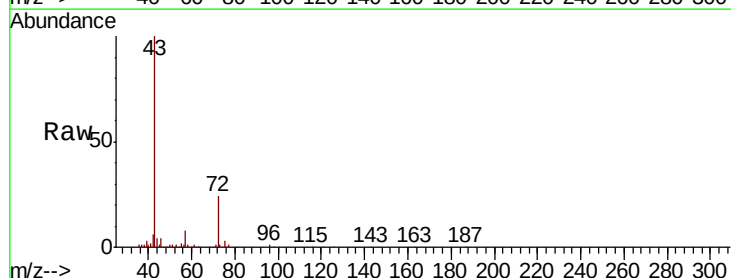
Instrument :
 MSVOA_V
 ClientSampleId :

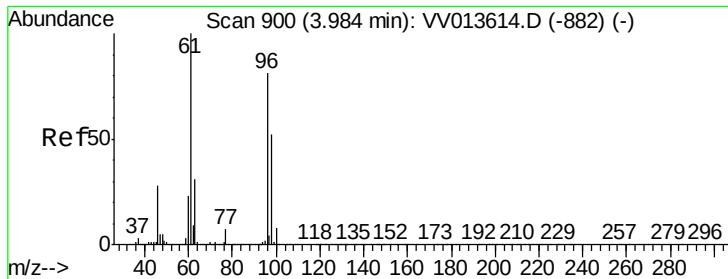
Tot Ion: 63 Resp: 241601
 Ion Ratio Lower Upper
 63 100
 65 31.5 23.4 43.4
 83 13.4 9.9 18.3



#21
 2-Butanone
 Concen: 59.780 ug/L
 RT: 4.03 min Scan# 914
 Delta R.T. -0.08 min
 Lab File: VV013633.D
 Acq: 14 Nov 2019 20:28

Tgt Ion: 43 Resp: 292642
 Ion Ratio Lower Upper
 43 100
 72 23.7 12.3 36.9



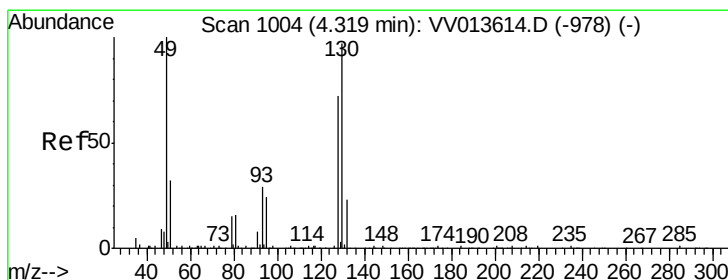
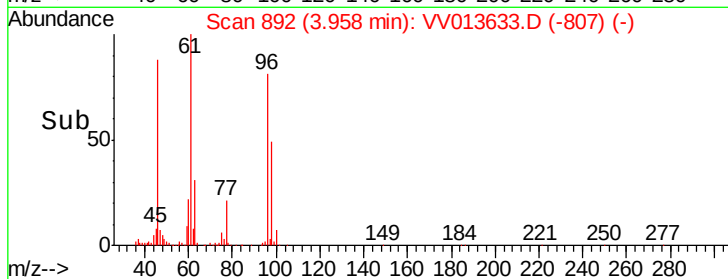
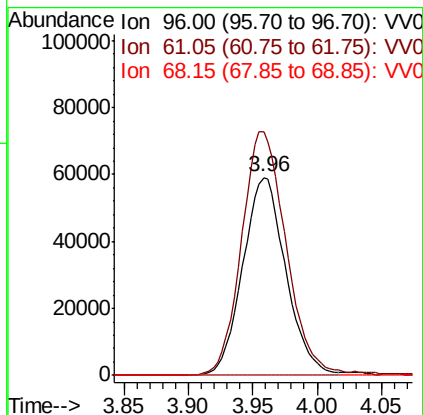
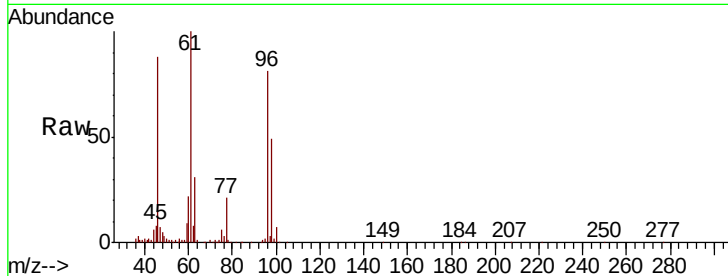


#22

cis-1,2-Dichloroethene
 Concen: 5.667 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.03 min
 Lab File: VV013633.D
 Acq: 14 Nov 2019 20:28

Instrument :
 MSVOA_V
 ClientSampleId :

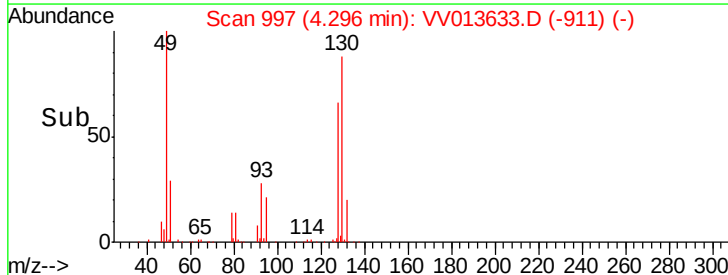
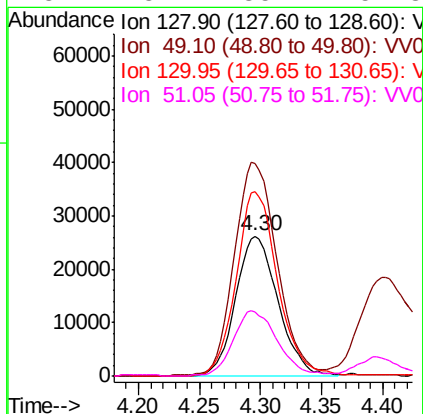
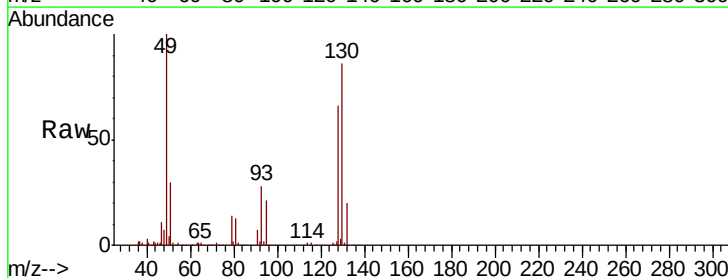
Tot Ion: 96 Resp: 137568
 Ion Ratio Lower Upper
 96 100
 61 123.1 84.7 157.3
 68 0.0 0.3 0.7#

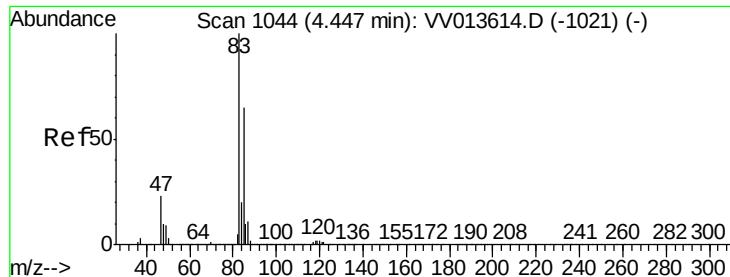


#23

Bromochloromethane
 Concen: 5.859 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.02 min
 Lab File: VV013633.D
 Acq: 14 Nov 2019 20:28

Tgt Ion: 128 Resp: 63102
 Ion Ratio Lower Upper
 128 100
 49 152.4 98.4 182.8
 130 131.8 88.4 164.2
 51 45.4 35.2 52.8

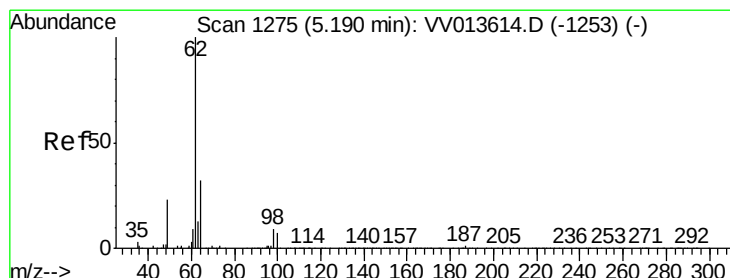
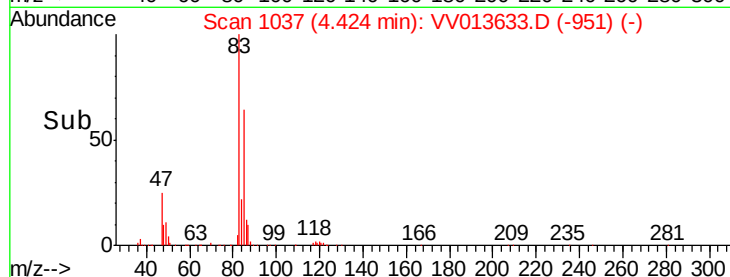
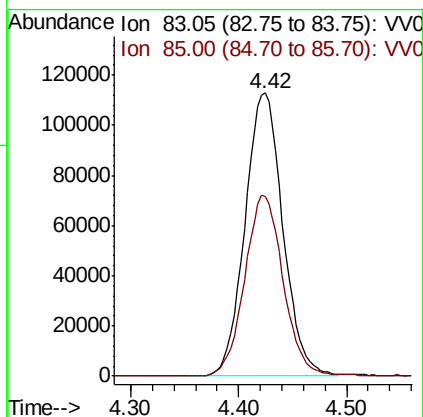
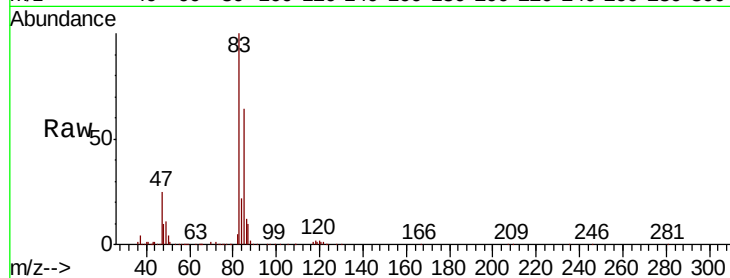




#25
Chloroform
Concen: 5.561 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.02 min
Lab File: VV013633.D
Acq: 14 Nov 2019 20:28

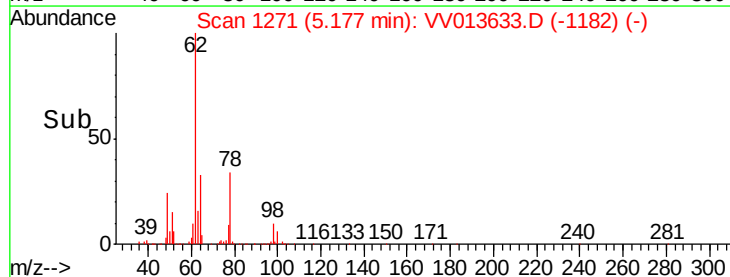
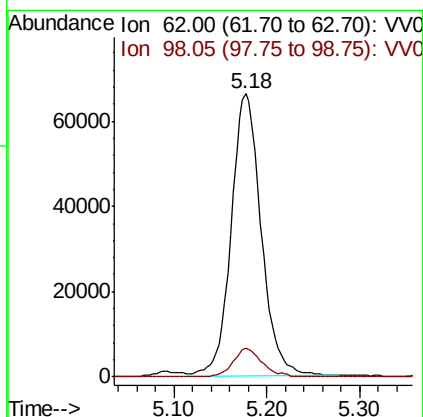
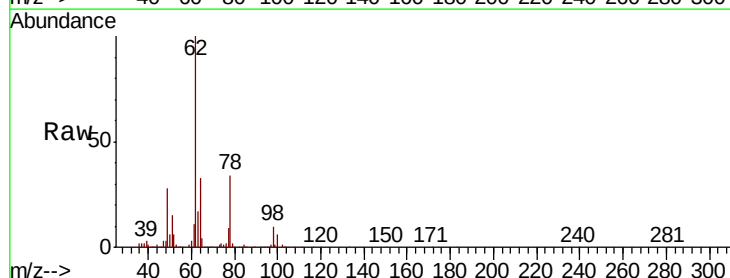
Instrument :
MSVOA_V
ClientSampleId :

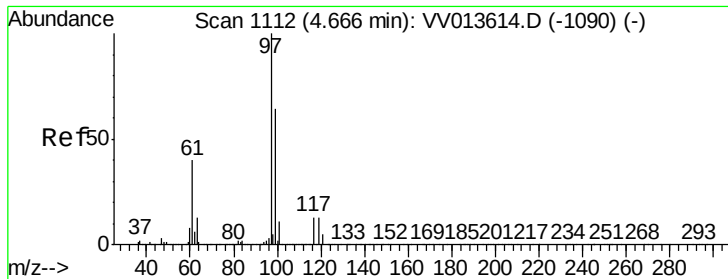
Tot Ion: 83 Resp: 275438
Ion Ratio Lower Upper
83 100
85 63.7 45.5 84.5



#27
1,2-Dichloroethane
Concen: 5.470 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VV013633.D
Acq: 14 Nov 2019 20:28

Tgt Ion: 62 Resp: 148972
Ion Ratio Lower Upper
62 100
98 10.1 7.4 11.2

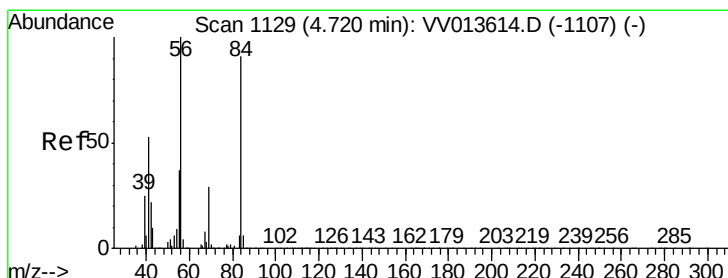
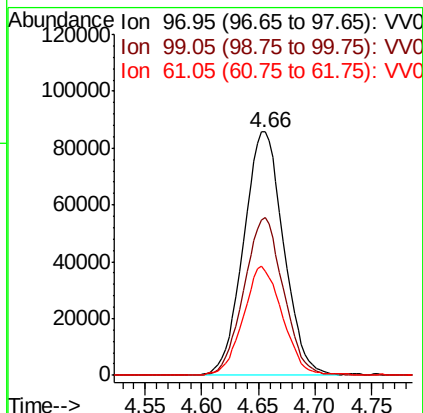
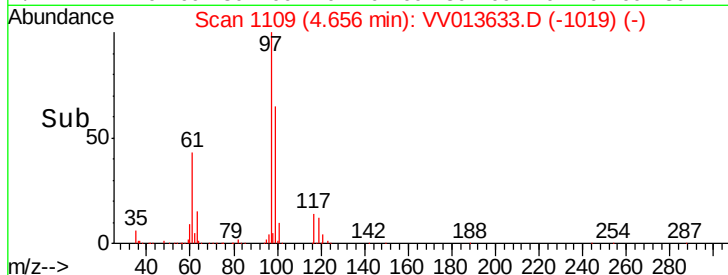
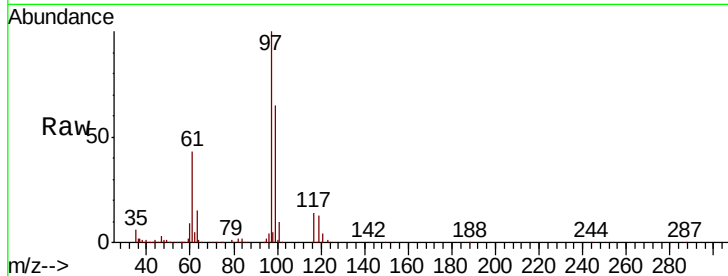




#29
 1,1,1-Trichloroethane
 Concen: 5.497 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VV013633.D
 Acq: 14 Nov 2019 20:28

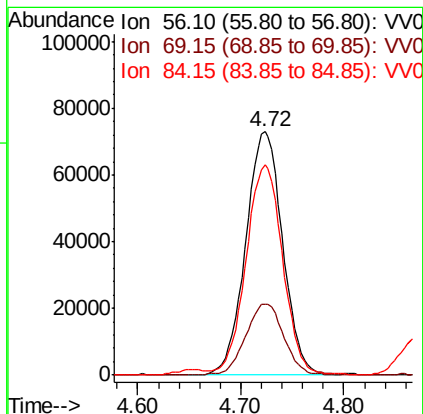
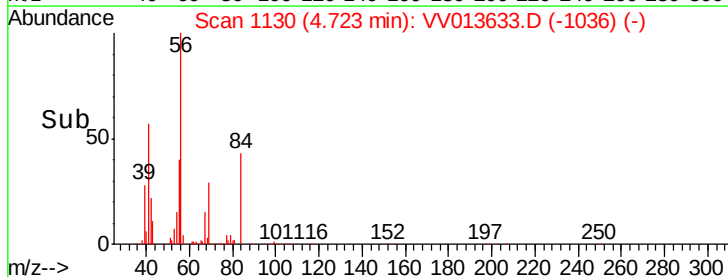
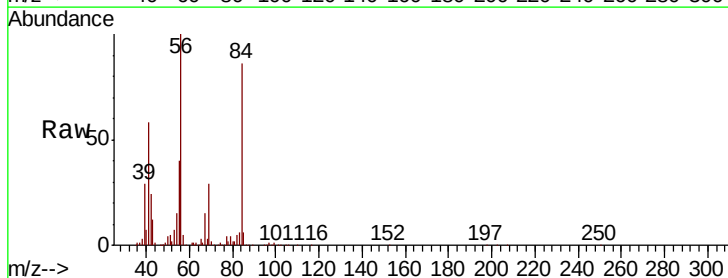
Instrument :
 MSVOA_V
 ClientSampleId :

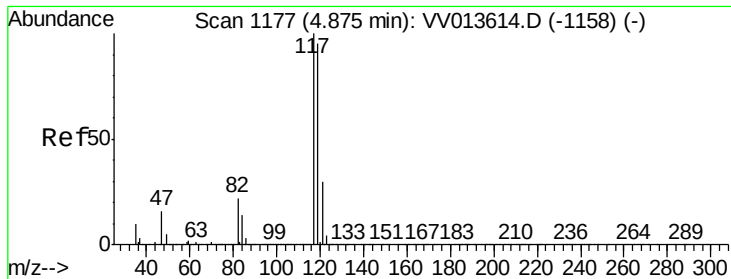
Tot Ion: 97 Resp: 211040
 Ion Ratio Lower Upper
 97 100
 99 63.5 52.6 78.8
 61 44.3 34.1 51.1



#30
 Cyclohexane
 Concen: 4.756 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV013633.D
 Acq: 14 Nov 2019 20:28

Tgt Ion: 56 Resp: 181380
 Ion Ratio Lower Upper
 56 100
 69 30.2 25.0 37.4
 84 86.0 75.5 113.3





#31

Carbon tetrachloride

Concen: 5.322 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV013633.D

Acq: 14 Nov 2019 20:28

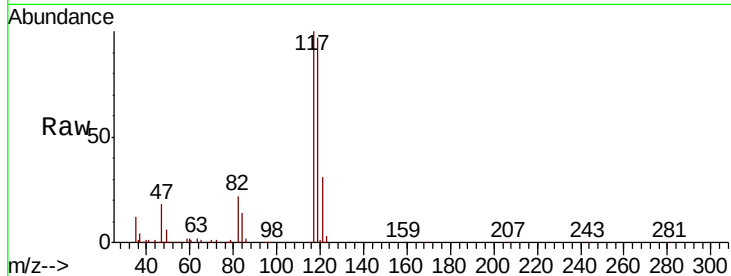
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 183300

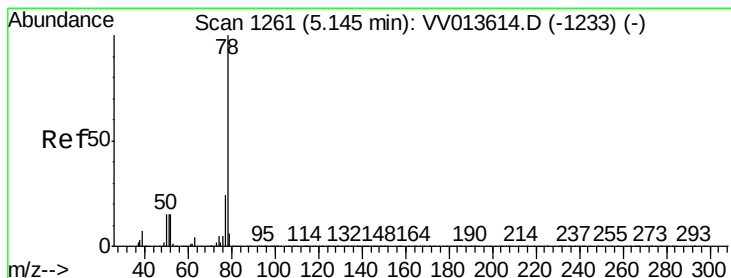
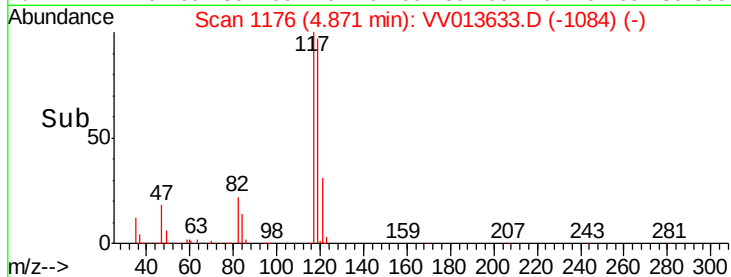
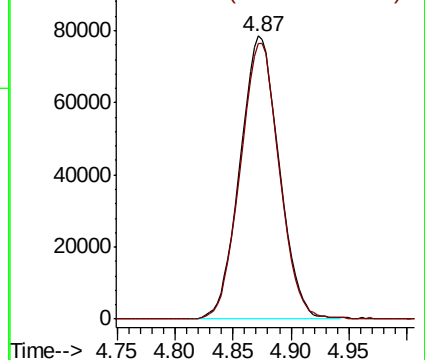
Ion Ratio Lower Upper

117 100

119 97.2 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.137 ug/L

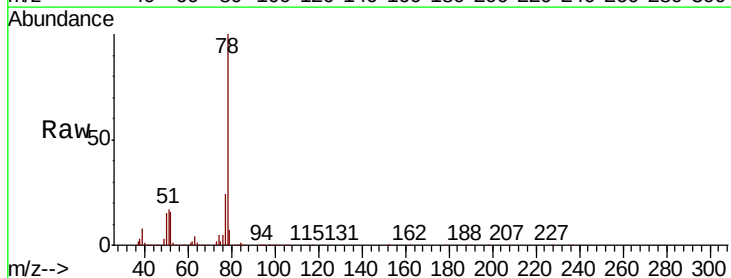
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

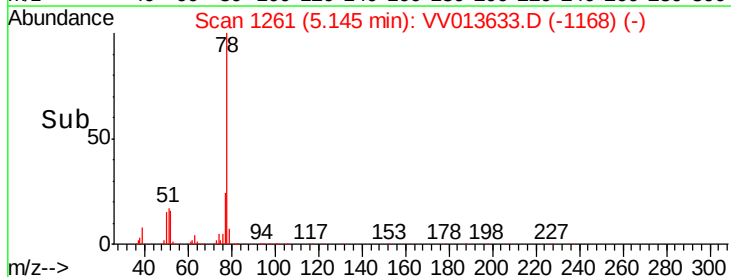
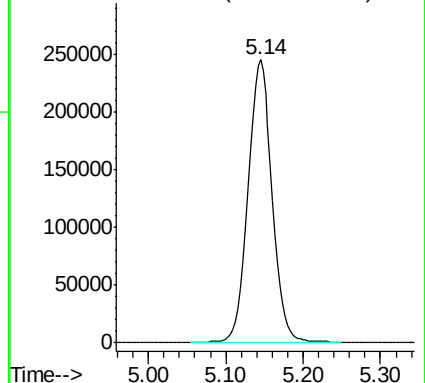
Lab File: VV013633.D

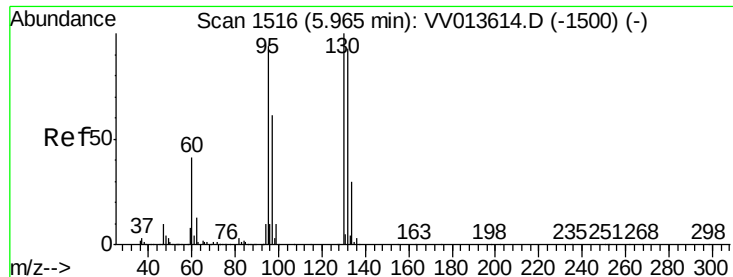
Acq: 14 Nov 2019 20:28

Tgt Ion: 78 Resp: 534102



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.542 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VV013633.D

Acq: 14 Nov 2019 20:28

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 132538

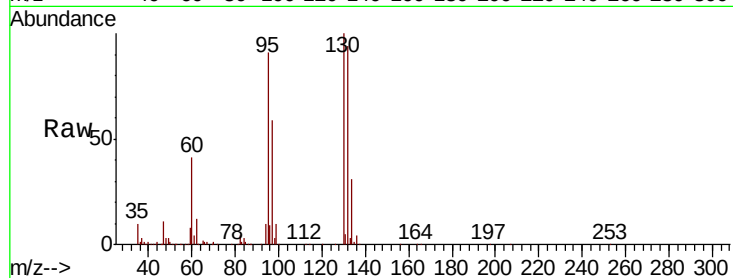
Ion Ratio Lower Upper

95 100

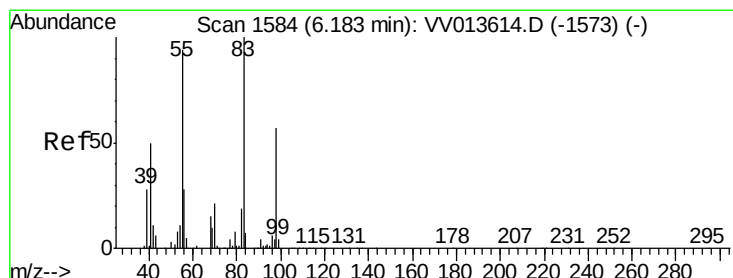
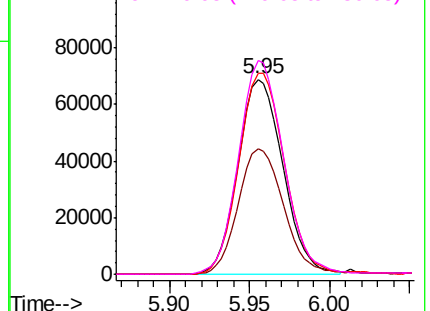
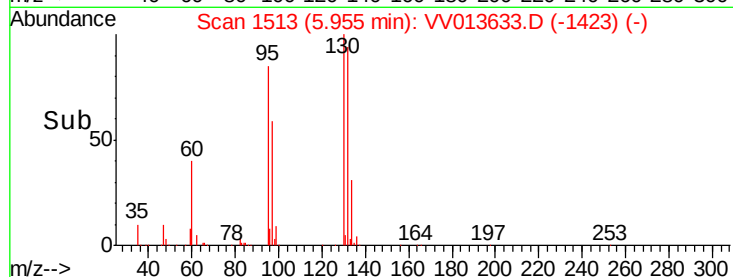
97 64.2 47.0 87.4

132 102.8 72.2 134.0

130 109.5 75.7 140.7



Abundance Ion 95.00 (94.70 to 95.70): VV013633.D (-1423) (-)



#35

Methylcyclohexane

Concen: 4.288 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.01 min

Lab File: VV013633.D

Acq: 14 Nov 2019 20:28

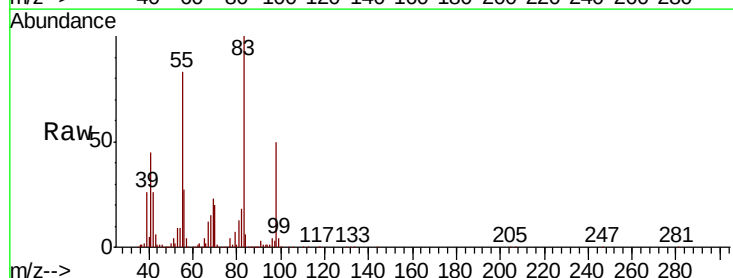
Tgt Ion: 83 Resp: 181846

Ion Ratio Lower Upper

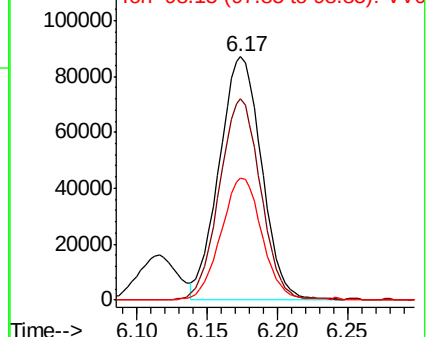
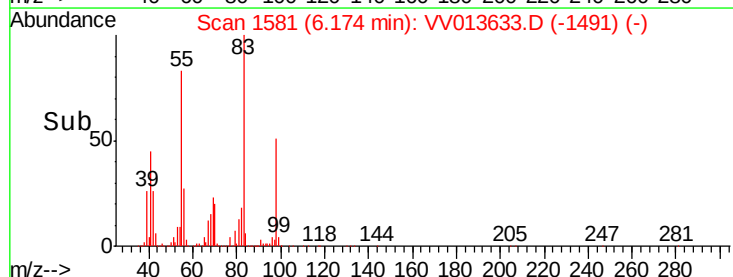
83 100

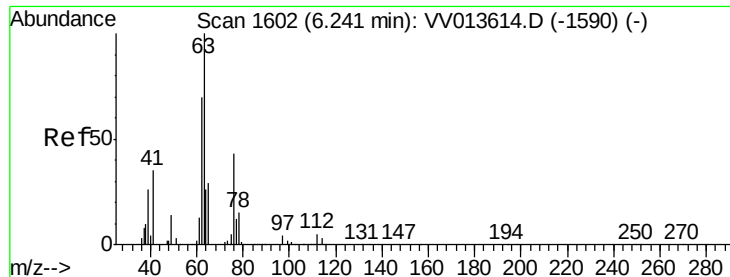
55 79.8 67.0 100.4

98 49.0 38.5 57.7



Abundance Ion 83.15 (82.85 to 83.85): VV013633.D (-1491) (-)

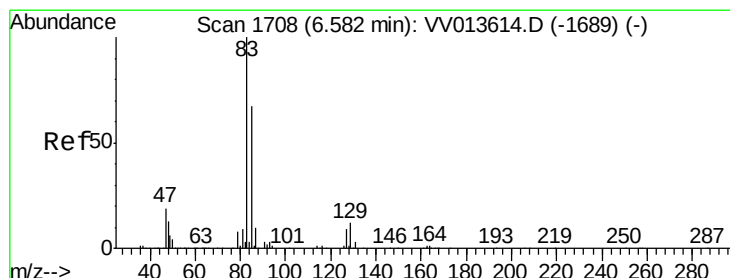
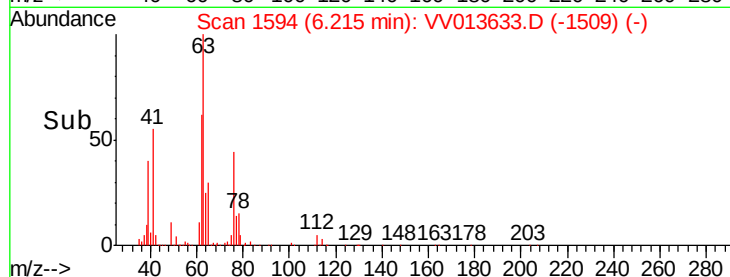
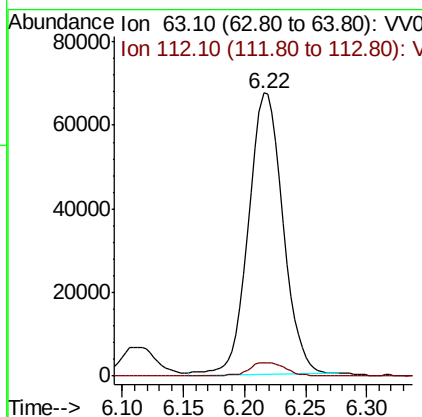
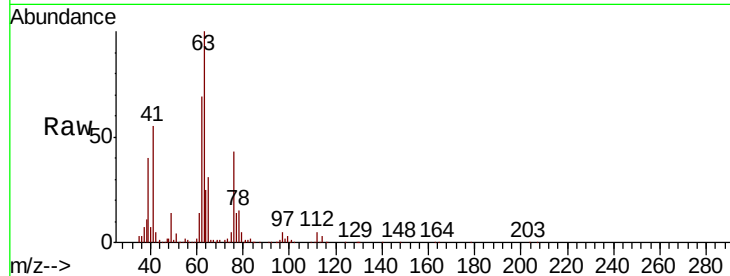




#37
 1,2-Dichloropropane
 Concen: 4.880 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.03 min
 Lab File: VV013633.D
 Acq: 14 Nov 2019 20:28

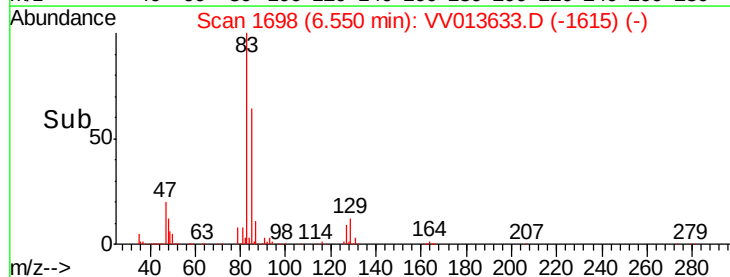
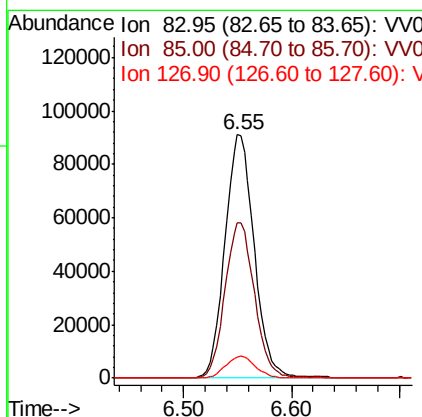
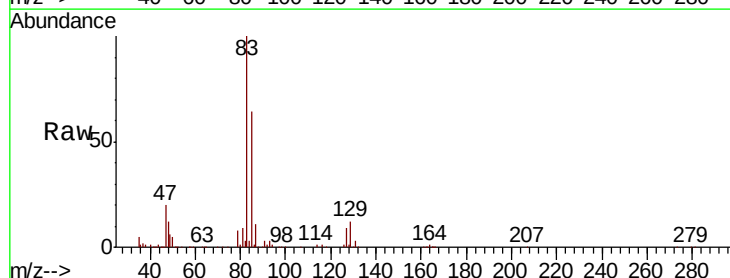
Instrument :
 MSVOA_V
 ClientSampleId :

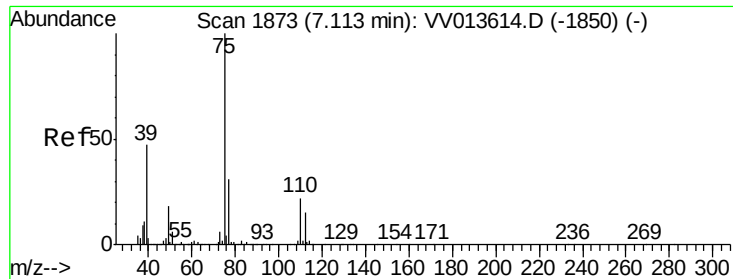
Tot Ion: 63 Resp: 131009
 Ion Ratio Lower Upper
 63 100
 112 5.2 0.2 0.2#



#38
 Bromodichloromethane
 Concen: 4.665 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.03 min
 Lab File: VV013633.D
 Acq: 14 Nov 2019 20:28

Tgt Ion: 83 Resp: 171344
 Ion Ratio Lower Upper
 83 100
 85 63.9 45.5 84.5
 127 8.7 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 4.772 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.05 min

Lab File: VV013633.D

Acq: 14 Nov 2019 20:28

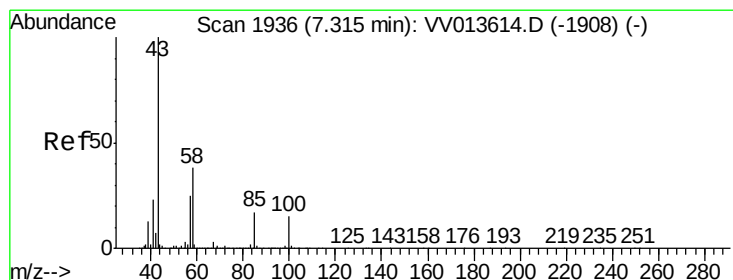
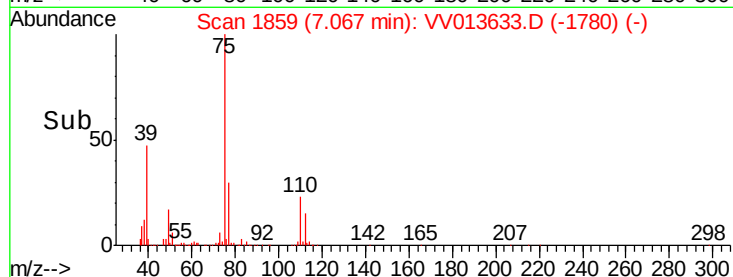
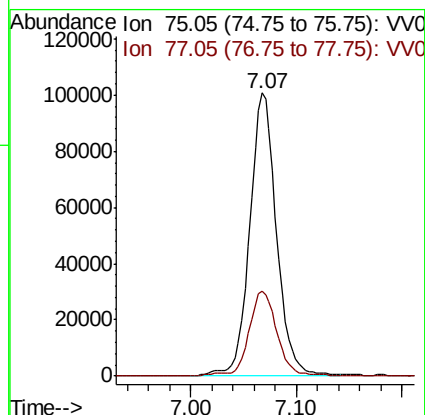
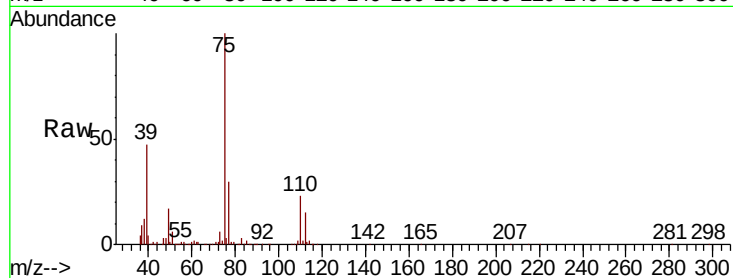
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 177175

Ion Ratio Lower Upper

75 100

77 30.1 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 49.886 ug/L

RT: 7.27 min Scan# 1923

Delta R.T. -0.04 min

Lab File: VV013633.D

Acq: 14 Nov 2019 20:28

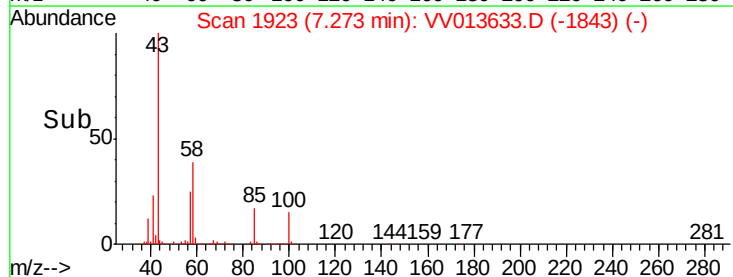
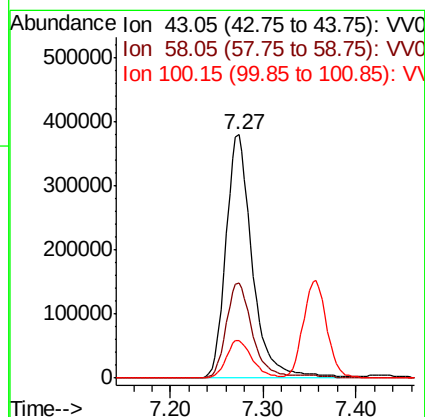
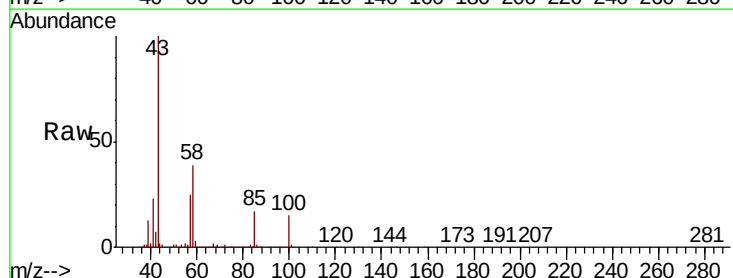
Tgt Ion: 43 Resp: 749030

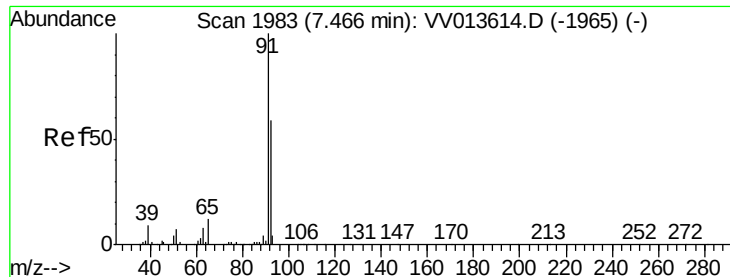
Ion Ratio Lower Upper

43 100

58 38.5 30.6 45.8

100 15.4 12.0 18.0





#42

Toluene

Concen: 5.045 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.04 min

Lab File: VV013633.D

Acq: 14 Nov 2019 20:28

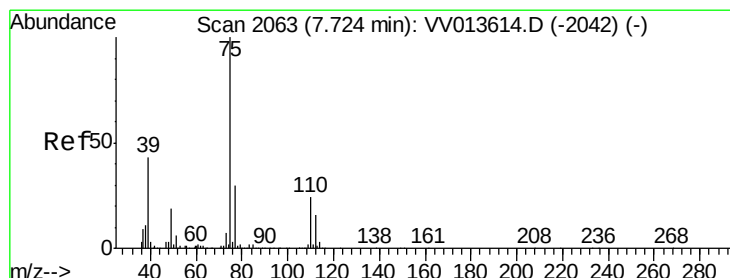
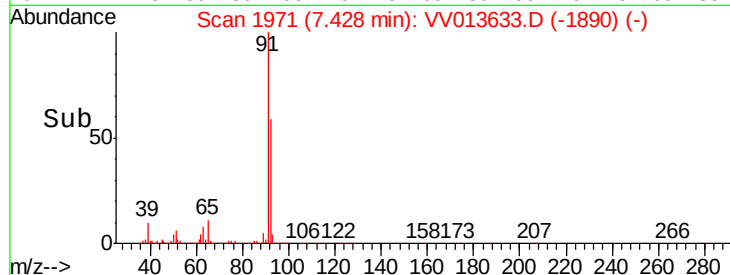
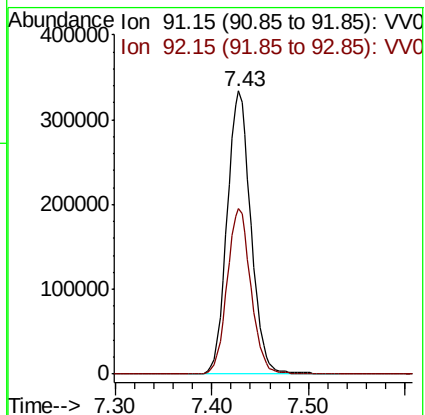
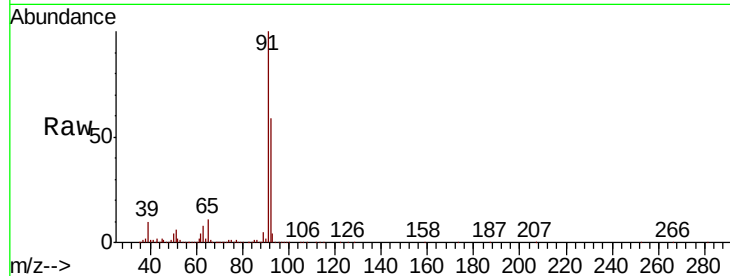
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 569662

Ion Ratio Lower Upper

91 100

92 58.5 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 5.000 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.03 min

Lab File: VV013633.D

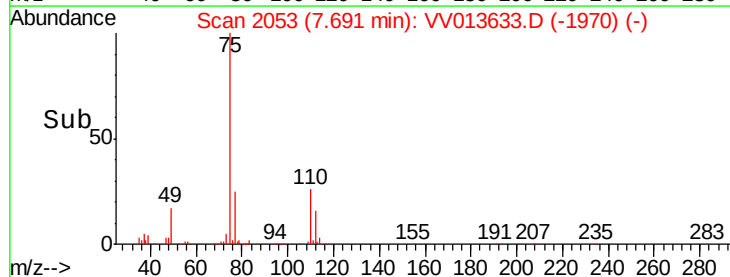
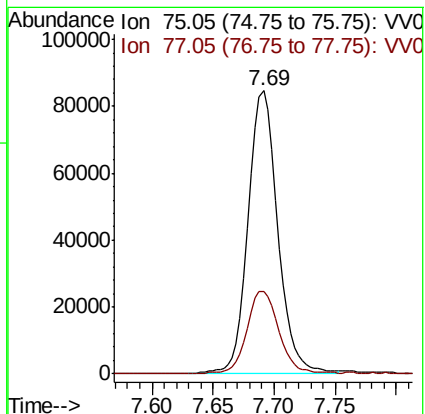
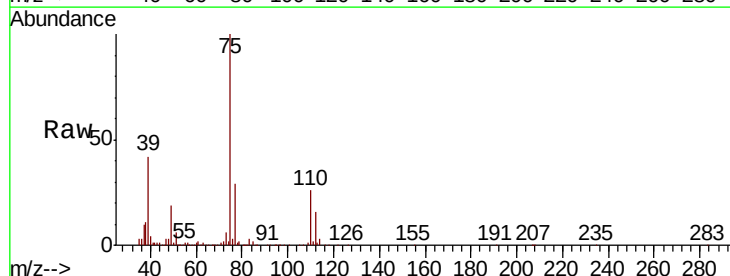
Acq: 14 Nov 2019 20:28

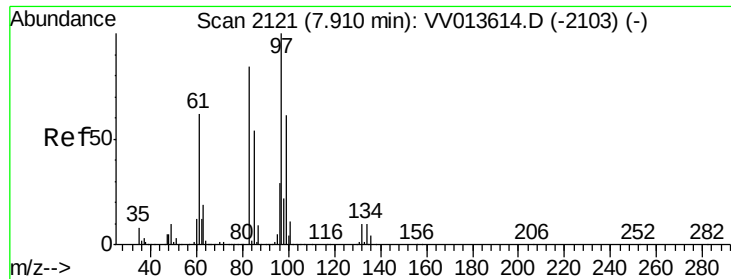
Tgt Ion: 75 Resp: 142022

Ion Ratio Lower Upper

75 100

77 29.1 23.2 43.0

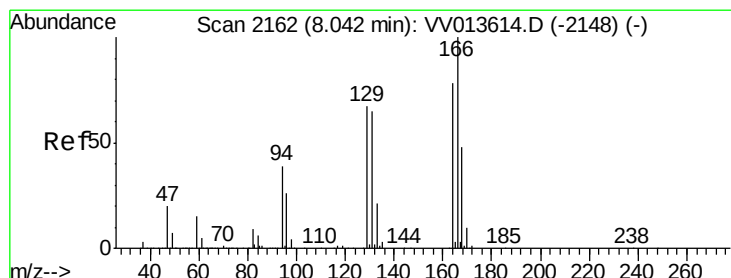
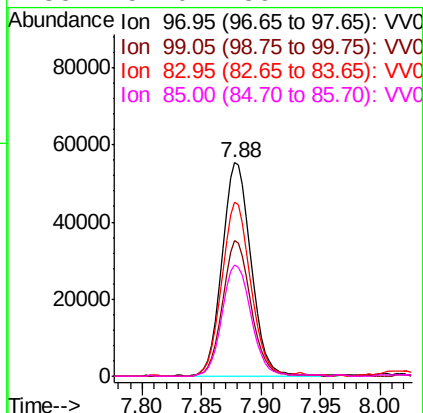
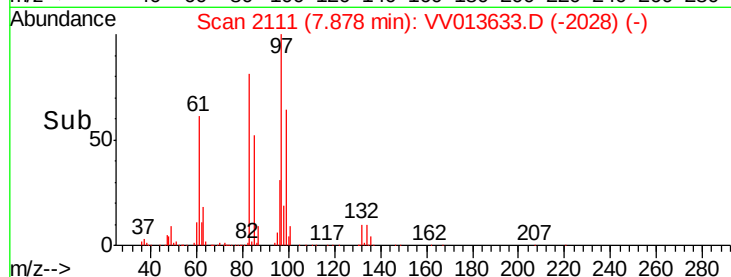
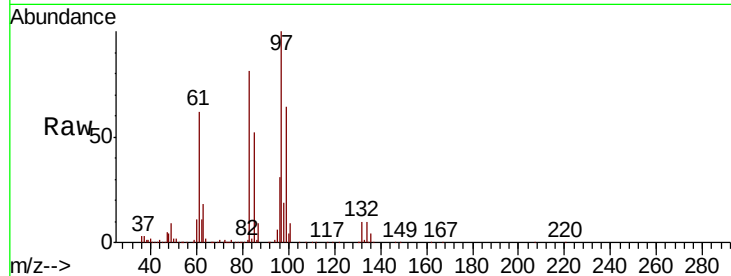




#45
 1,1,2-Trichloroethane
 Concen: 4.830 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.03 min
 Lab File: VV013633.D
 Acq: 14 Nov 2019 20:28

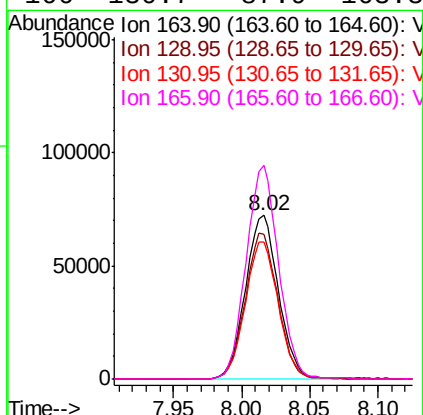
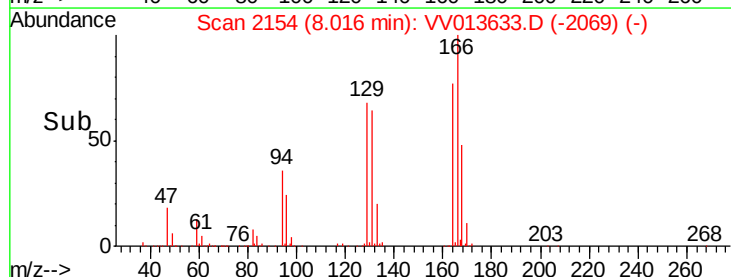
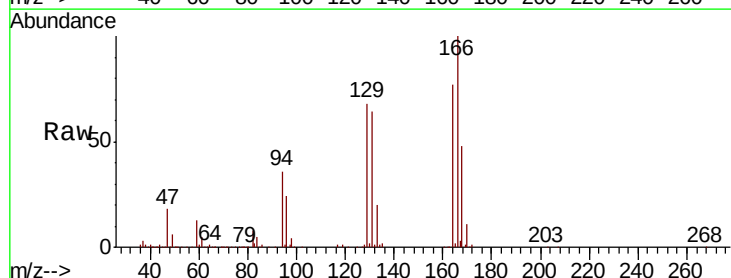
Instrument :
 MSVOA_V
 ClientSampleId :

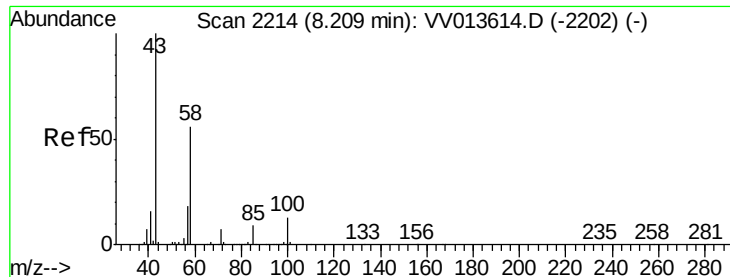
Tot Ion:	97	Resp:	92955
Ion	Ratio	Lower	Upper
97	100		
99	63.6	42.5	78.9
83	81.5	57.2	106.2
85	52.0	39.1	72.7



#47
 Tetrachloroethene
 Concen: 4.581 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.03 min
 Lab File: VV013633.D
 Acq: 14 Nov 2019 20:28

Tgt Ion:	164	Resp:	121614
Ion	Ratio	Lower	Upper
164	100		
129	88.2	61.6	114.4
131	84.0	59.0	109.6
166	130.7	87.9	163.3

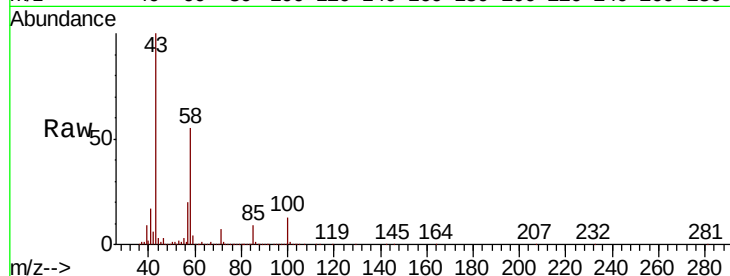




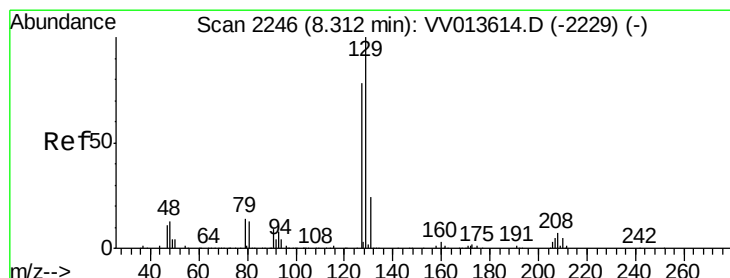
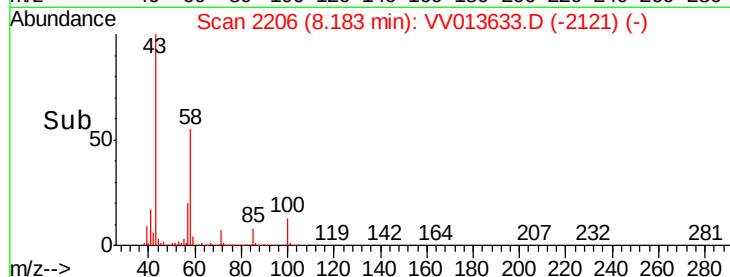
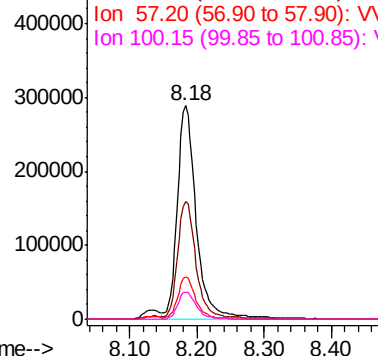
#48
2-Hexanone
Concen: 53.041 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.03 min
Lab File: VV013633.D
Acq: 14 Nov 2019 20:28

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	560308
Ion	Ratio	Lower	Upper
43	100		
58	53.5	45.1	67.7
57	18.8	14.6	21.8
100	12.6	10.2	15.2

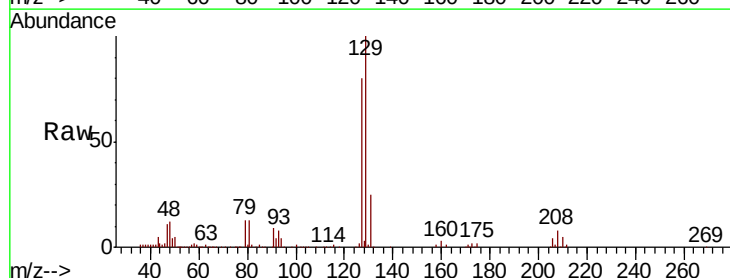


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

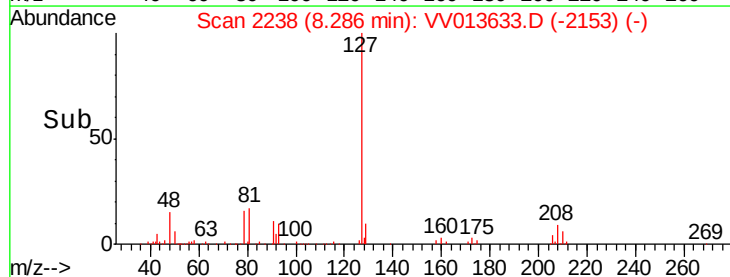
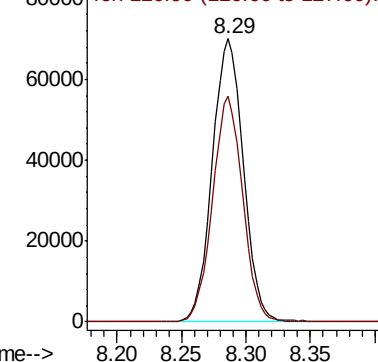


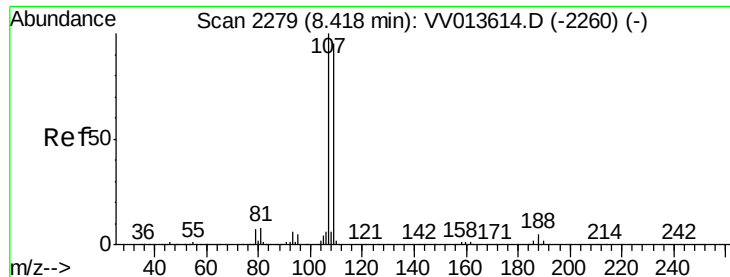
#49
Dibromochloromethane
Concen: 4.867 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.03 min
Lab File: VV013633.D
Acq: 14 Nov 2019 20:28

Tgt Ion:	129	Resp:	117666
Ion	Ratio	Lower	Upper
129	100		
127	79.5	55.5	103.1



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

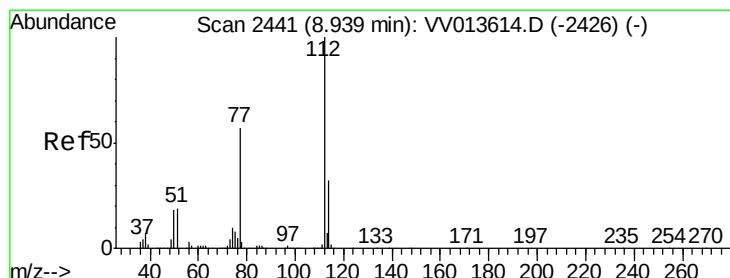
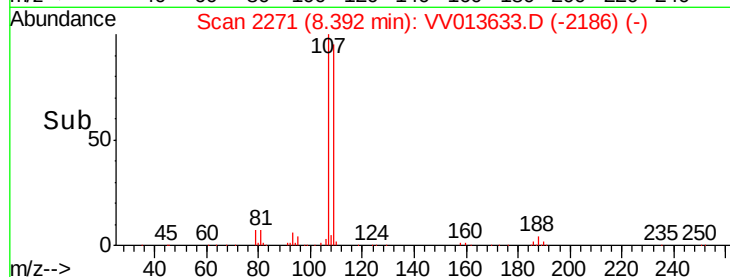
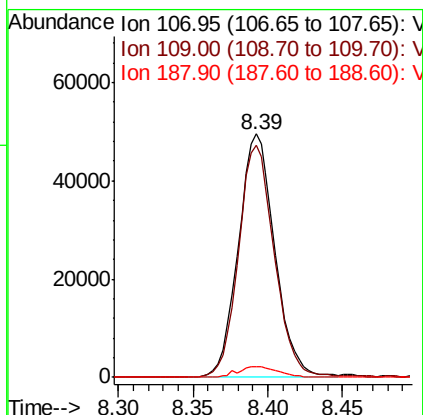
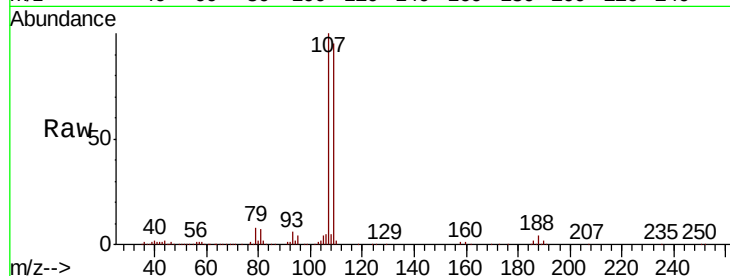




#50
 1,2-Dibromoethane
 Concen: 4.772 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. -0.03 min
 Lab File: VV013633.D
 Acq: 14 Nov 2019 20:28

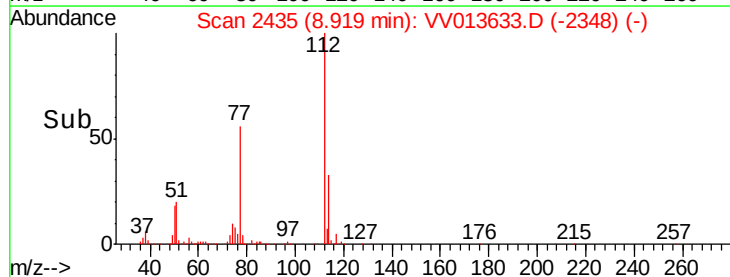
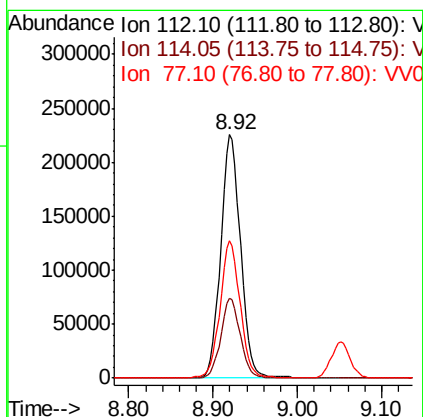
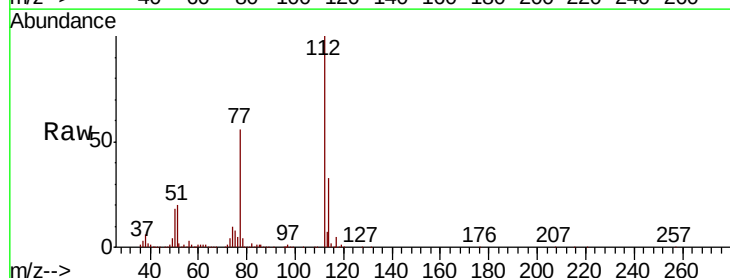
Instrument :
 MSVOA_V
 ClientSampleId :

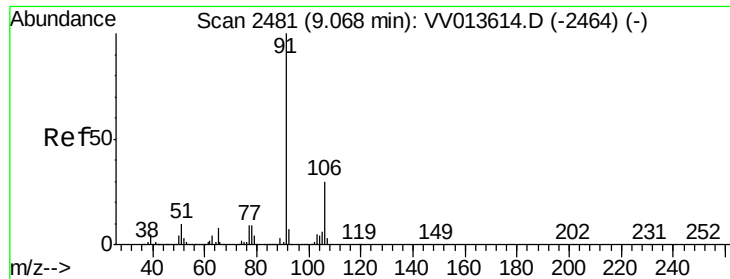
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	69.0	128.2
188	4.3	3.8	5.6



#51
 Chlorobenzene
 Concen: 4.987 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. -0.02 min
 Lab File: VV013633.D
 Acq: 14 Nov 2019 20:28

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.9	22.3	41.5
77	56.3	46.0	69.0





#52

Ethylbenzene

Concen: 4.903 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.02 min

Lab File: VV013633.D

Acq: 14 Nov 2019 20:28

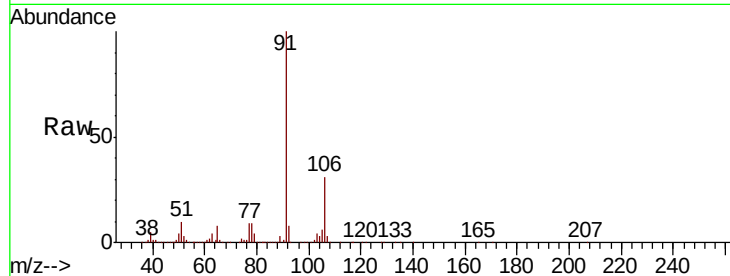
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 580144

Ion Ratio Lower Upper

91 100

106 31.0 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V

9.05

400000

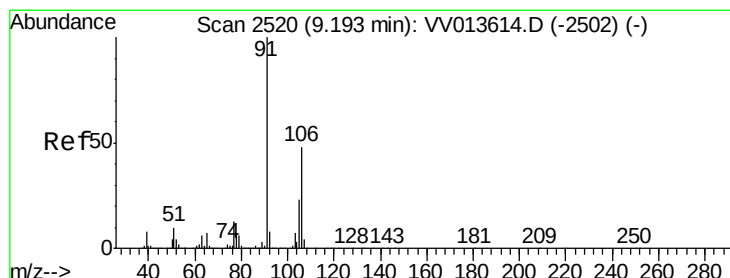
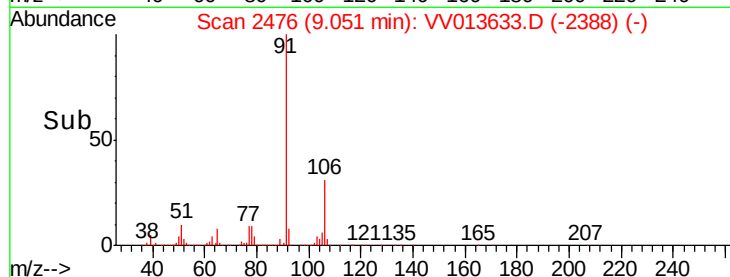
300000

200000

100000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#53

m,p-xylene

Concen: 4.922 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.02 min

Lab File: VV013633.D

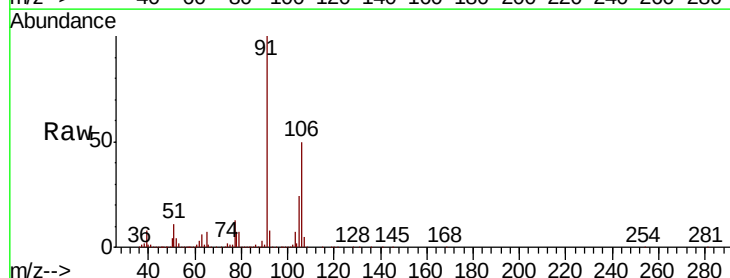
Acq: 14 Nov 2019 20:28

Tgt Ion: 106 Resp: 221867

Ion Ratio Lower Upper

106 100

91 199.5 139.9 259.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

9.18

300000

250000

200000

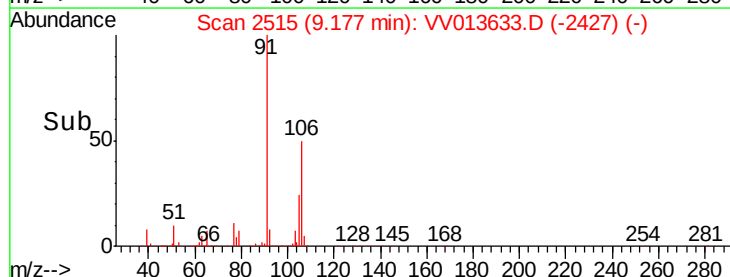
150000

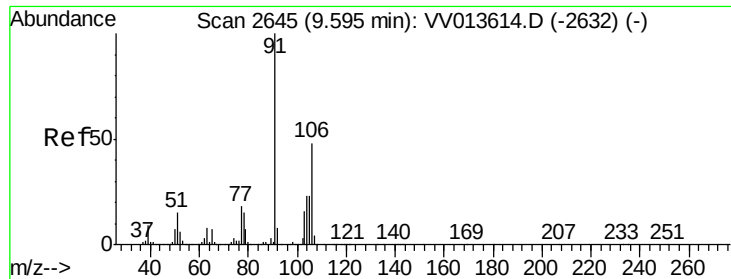
100000

50000

0

Time--> 9.10 9.15 9.20 9.25





#54

o-xylene

Concen: 5.029 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.01 min

Lab File: VV013633.D

Acq: 14 Nov 2019 20:28

Instrument :

MSVOA_V

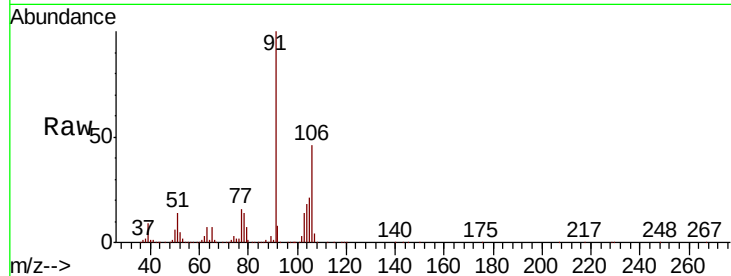
ClientSampleId :

Tot Ion:106 Resp: 211838

Ion Ratio Lower Upper

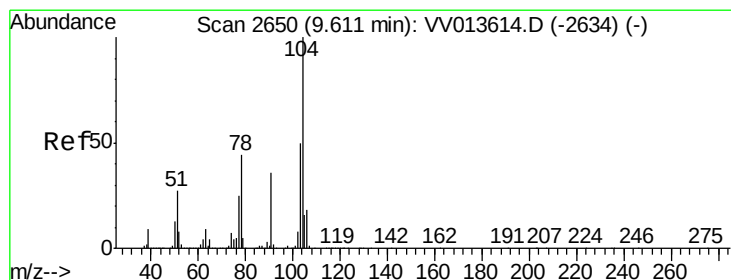
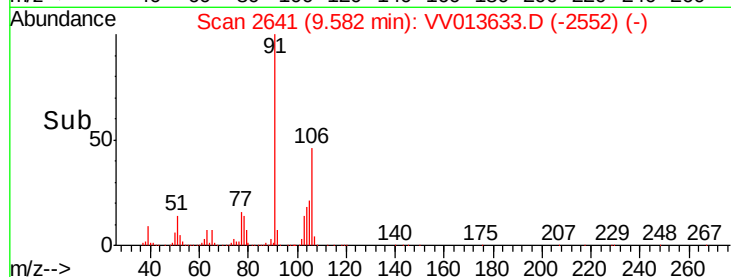
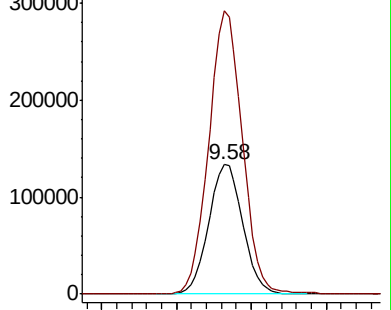
106 100

91 218.9 152.7 283.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.196 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.01 min

Lab File: VV013633.D

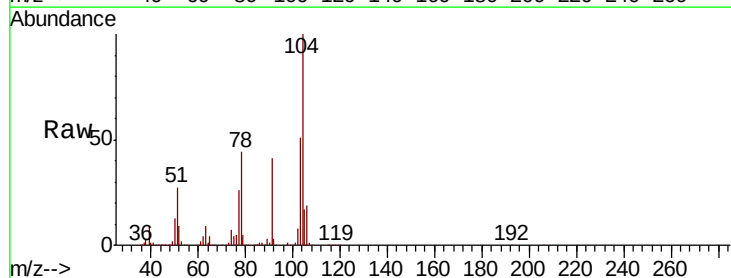
Acq: 14 Nov 2019 20:28

Tgt Ion:104 Resp: 381422

Ion Ratio Lower Upper

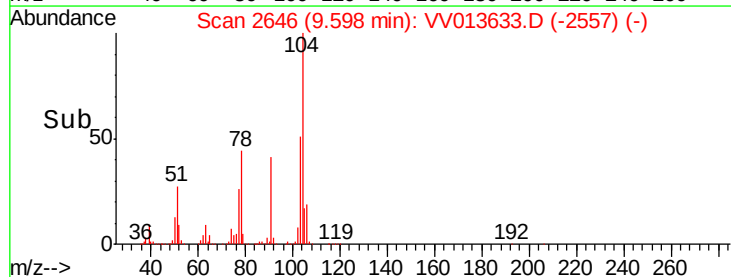
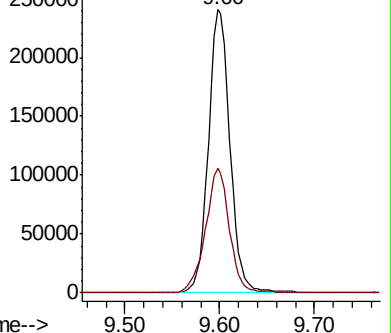
104 100

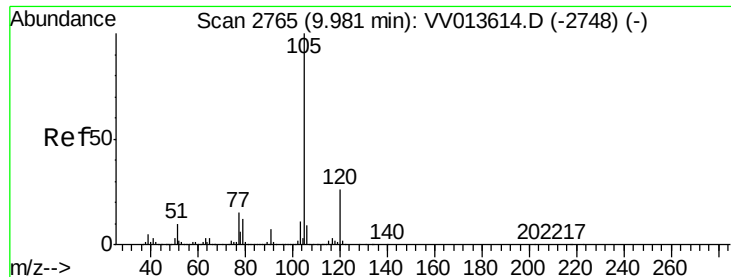
78 44.1 30.3 56.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.029 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.01 min

Lab File: VV013633.D

Acq: 14 Nov 2019 20:28

Instrument :

MSVOA_V

ClientSampleId :

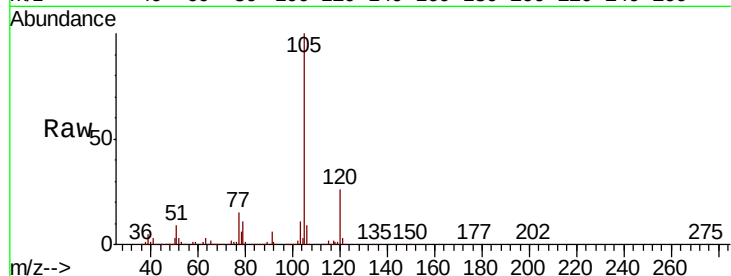
Tot Ion:105 Resp: 568568

Ion Ratio Lower Upper

105 100

120 26.0 20.8 31.2

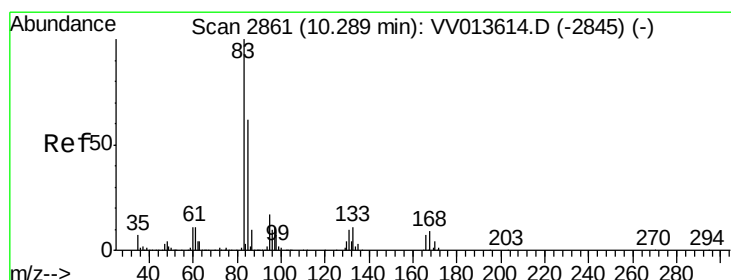
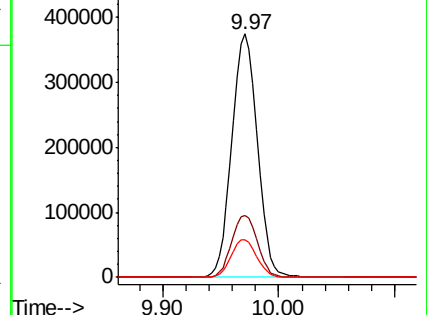
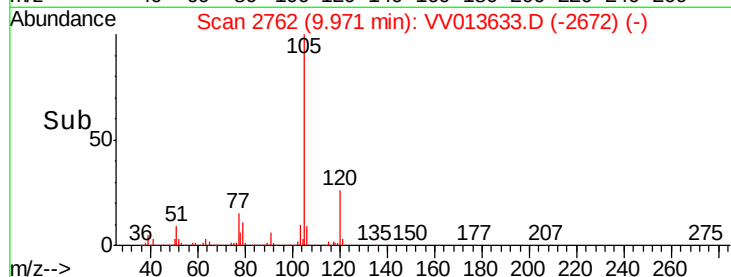
77 15.5 12.6 18.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.011 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.01 min

Lab File: VV013633.D

Acq: 14 Nov 2019 20:28

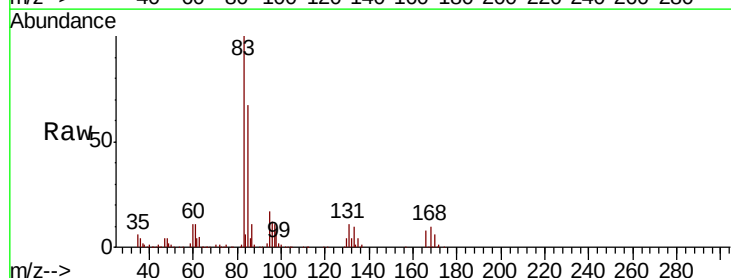
Tgt Ion: 83 Resp: 105872

Ion Ratio Lower Upper

83 100

85 67.4 45.2 84.0

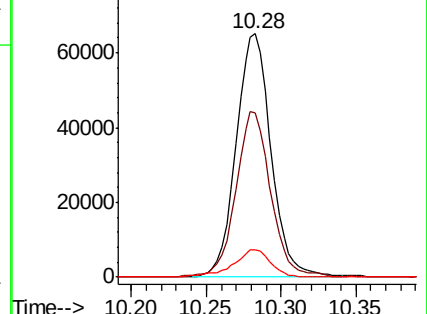
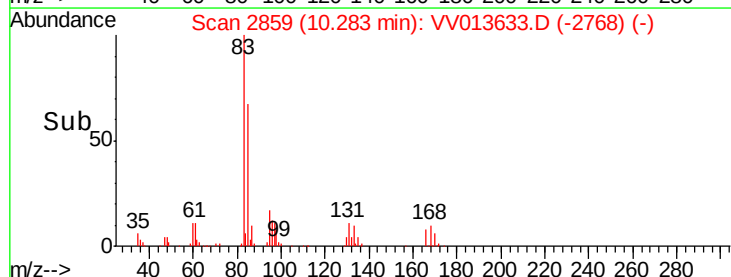
131 11.4 8.2 12.2

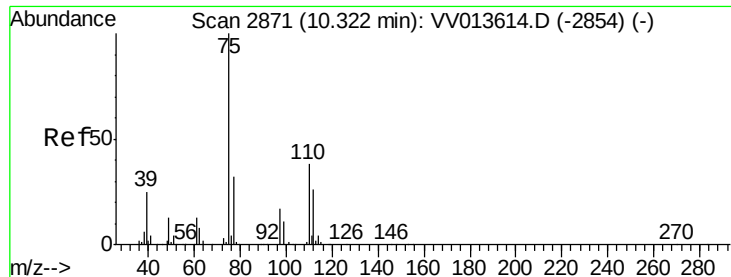


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

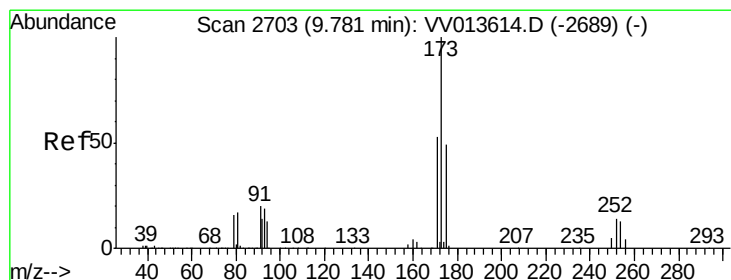
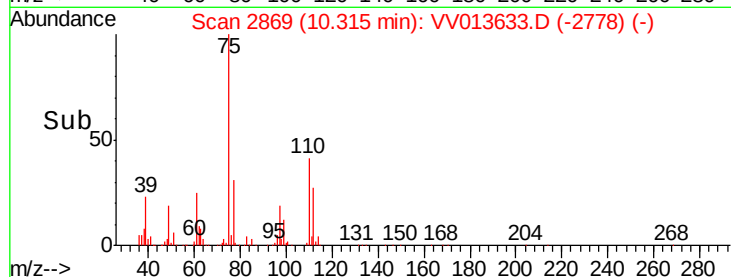
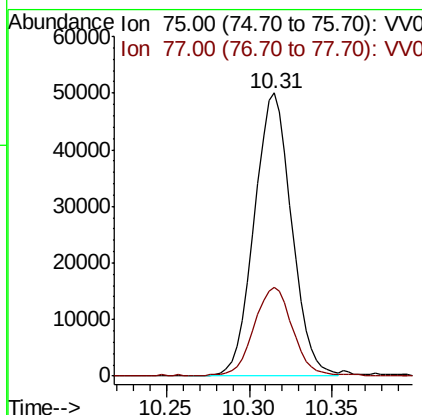
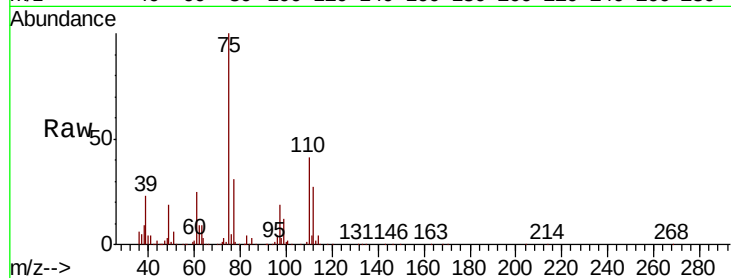




#59
 1,2,3-Trichloropropane
 Concen: 4.801 ug/L
 RT: 10.31 min Scan# 2869
 Delta R.T. -0.01 min
 Lab File: VV013633.D
 Acq: 14 Nov 2019 20:28

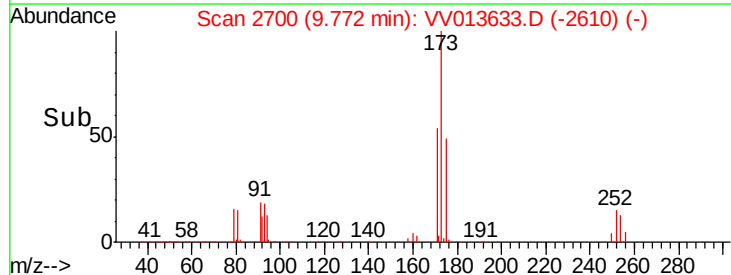
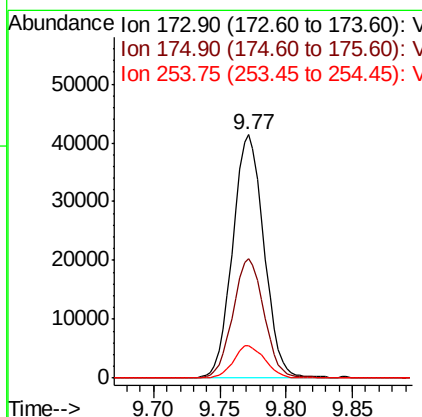
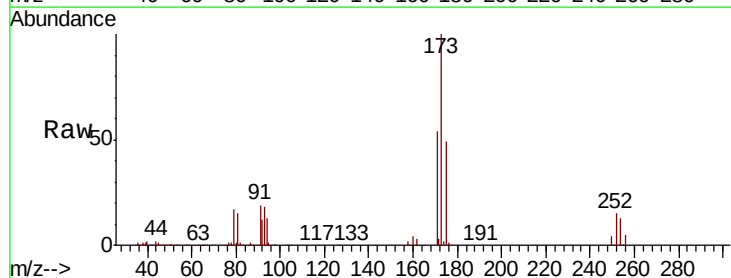
Instrument :
 MSVOA_V
 ClientSampled :

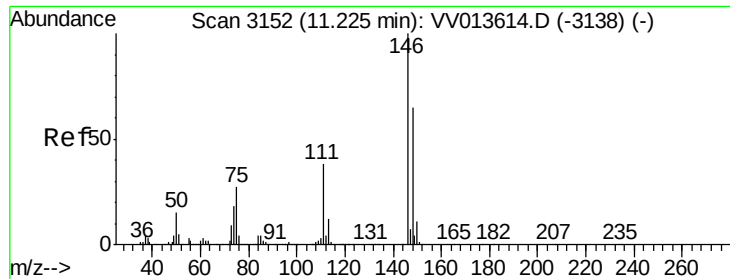
Tot Ion: 75 Resp: 78520
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.6



#61
 Bromoform
 Concen: 4.760 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. -0.01 min
 Lab File: VV013633.D
 Acq: 14 Nov 2019 20:28

Tgt Ion: 173 Resp: 68021
 Ion Ratio Lower Upper
 173 100
 175 48.9 38.6 57.8
 254 13.3 11.4 17.0





#62

1,3-Dichlorobenzene

Concen: 4.946 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV013633.D

Acq: 14 Nov 2019 20:28

Instrument :

MSVOA_V

ClientSampleId :

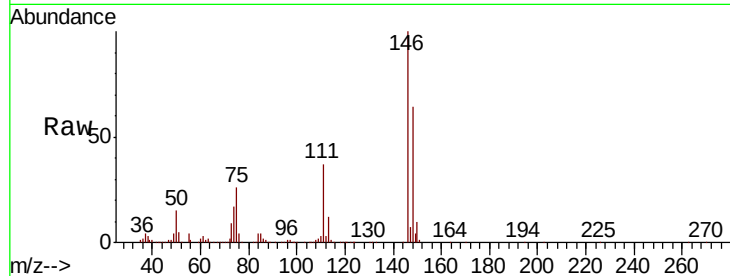
Tot Ion:146 Resp: 303794

Ion Ratio Lower Upper

146 100

111 37.2 27.6 51.4

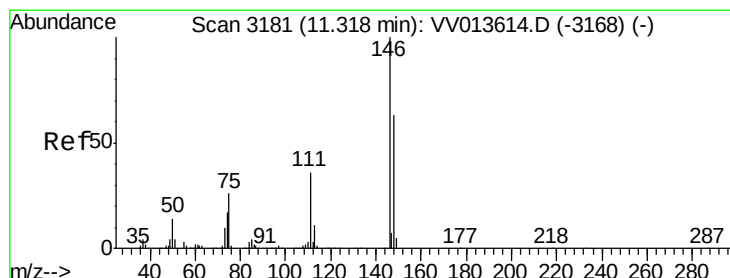
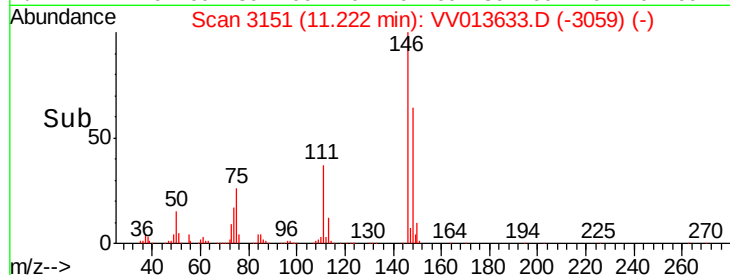
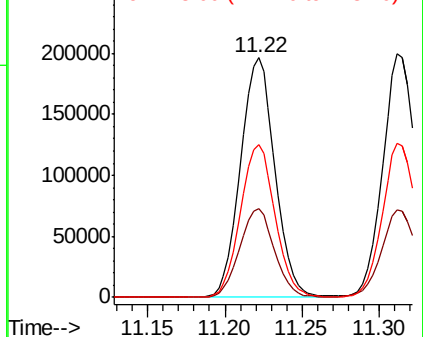
148 63.6 45.1 83.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.839 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.01 min

Lab File: VV013633.D

Acq: 14 Nov 2019 20:28

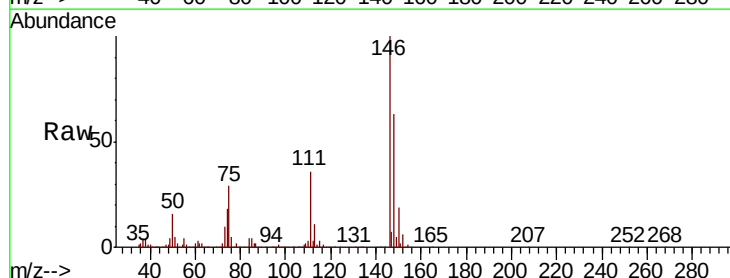
Tgt Ion:146 Resp: 304286

Ion Ratio Lower Upper

146 100

111 36.0 24.7 45.9

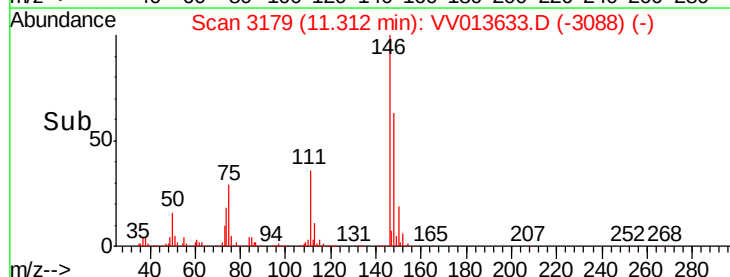
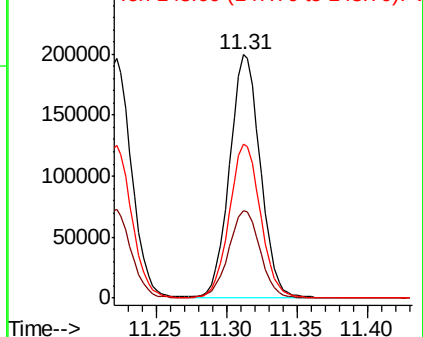
148 63.4 43.8 81.3

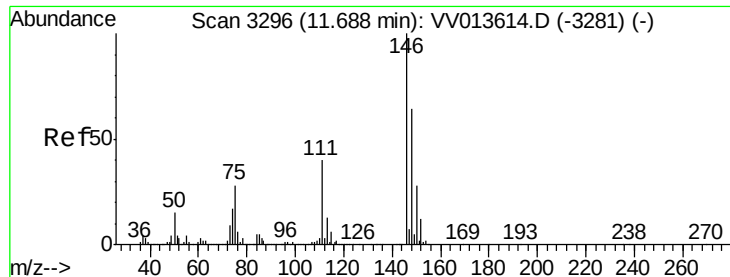


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

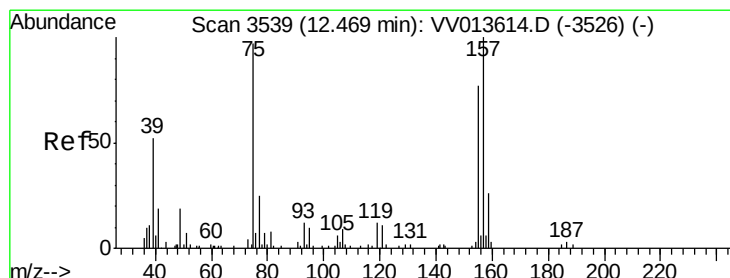
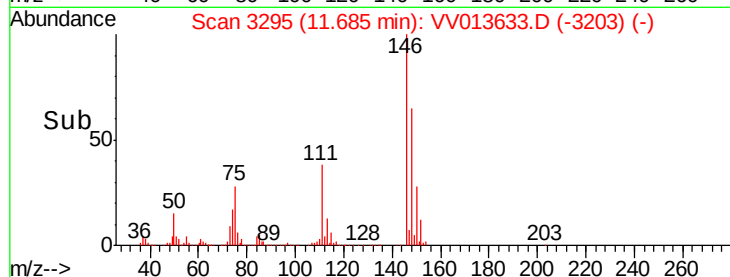
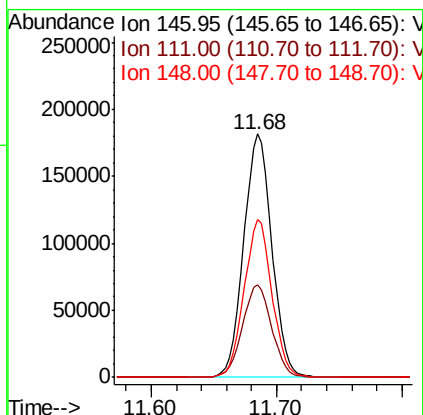
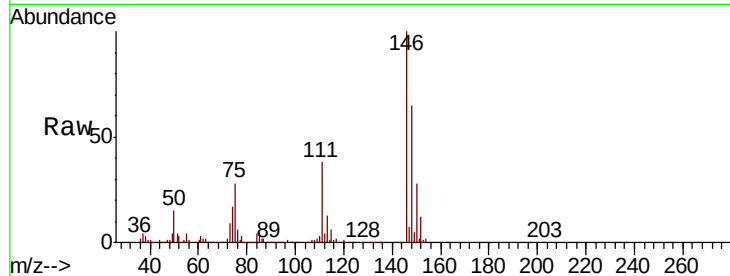




#65
 1,2-Dichlorobenzene
 Concen: 5.007 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013633.D
 Acq: 14 Nov 2019 20:28

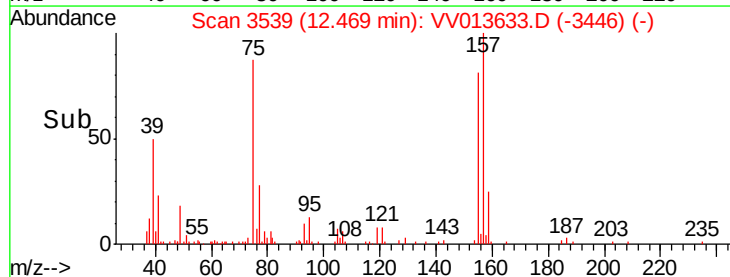
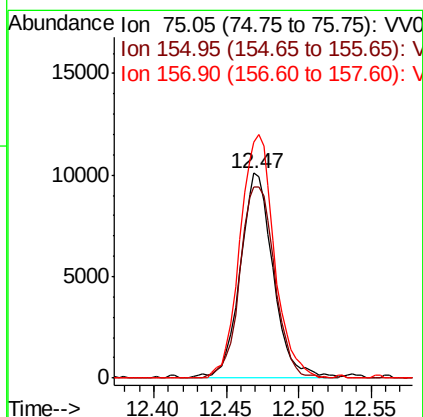
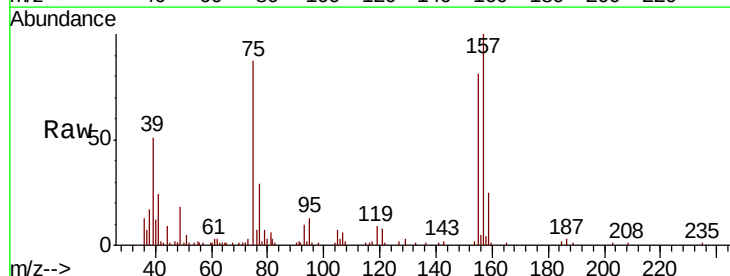
Instrument :
 MSVOA_V
 ClientSampled :

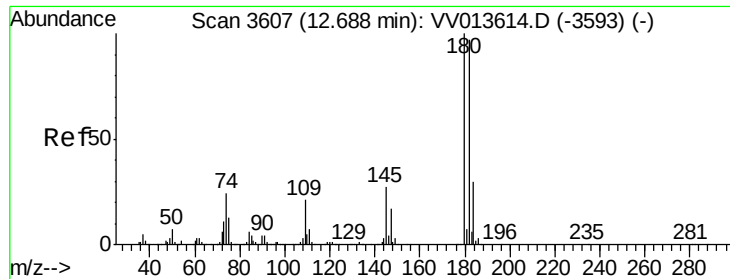
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	31.4	47.0
148	65.0	51.0	76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.609 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV013633.D
 Acq: 14 Nov 2019 20:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	78.3	117.5
157	114.9	99.0	148.4

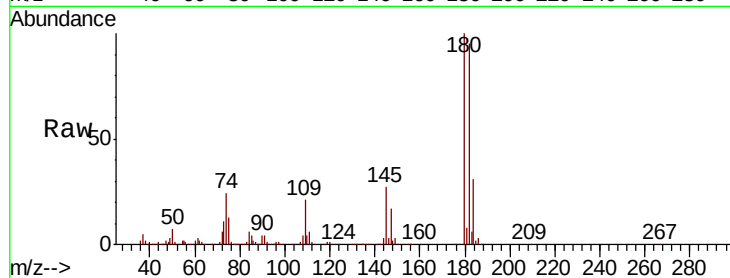




#67
 1,3,5-Trichlorobenzene
 Concen: 4.832 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013633.D
 Acq: 14 Nov 2019 20:28

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	240729
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.7	115.1
184	30.4	24.8	37.2
145	27.1	21.5	32.3



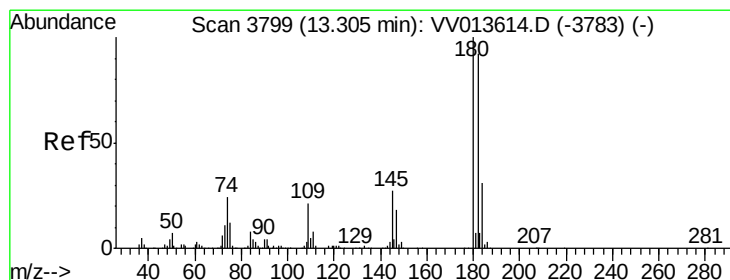
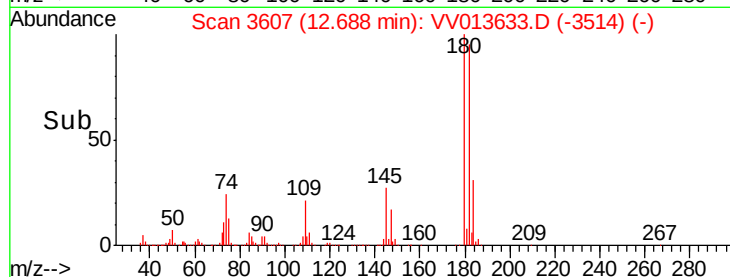
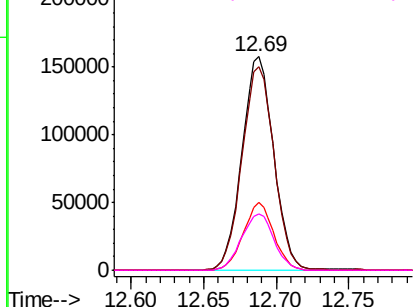
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

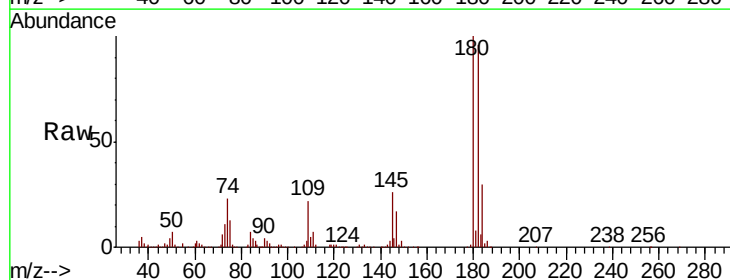
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.990 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013633.D
 Acq: 14 Nov 2019 20:28

Tgt Ion:	180	Resp:	192214
Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.7	113.5
145	26.8	21.9	32.9

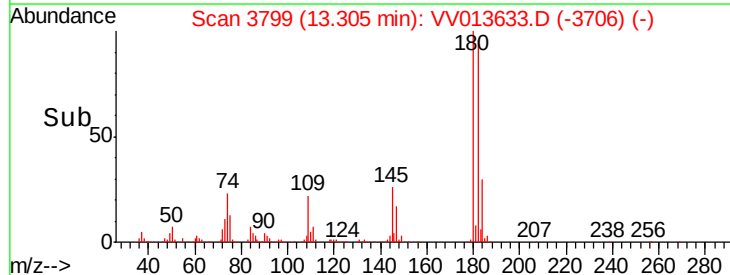
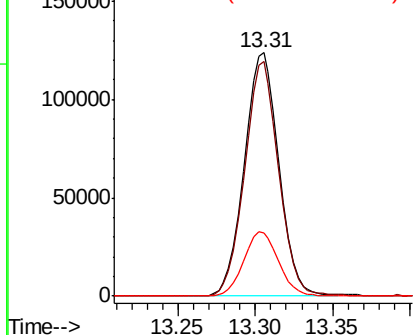


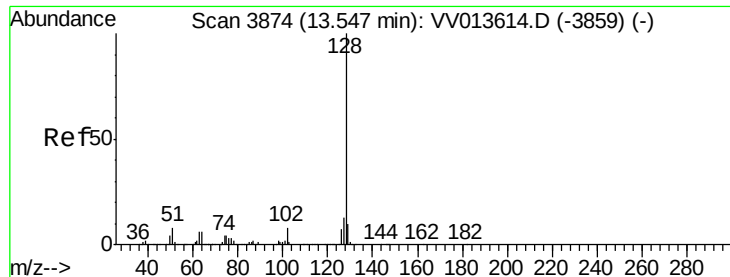
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.955 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013633.D

Acq: 14 Nov 2019 20:28

Instrument :

MSVOA_V

ClientSampleId :

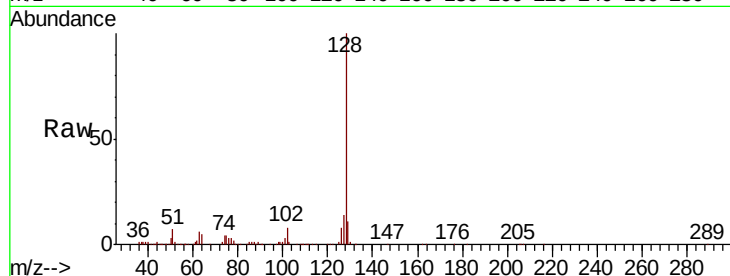
Tot Ion:128 Resp: 240970

Ion Ratio Lower Upper

128 100

129 11.2 8.2 12.4

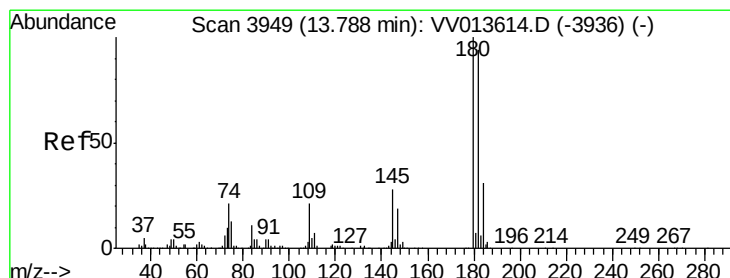
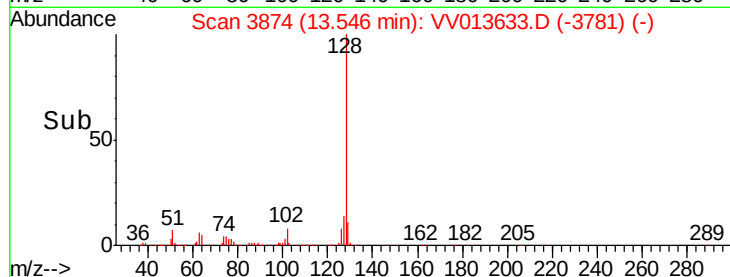
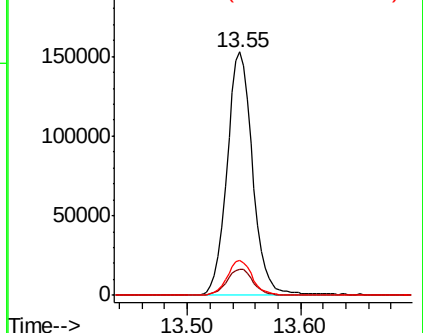
127 14.1 11.2 16.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.094 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013633.D

Acq: 14 Nov 2019 20:28

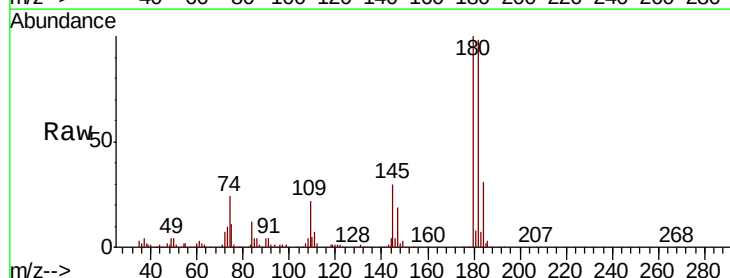
Tgt Ion:180 Resp: 182436

Ion Ratio Lower Upper

180 100

182 96.3 75.4 113.2

145 29.3 22.6 33.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

