

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080619\
 Data File : VV012114.D
 Acq On : 06 Aug 2019 15:07
 Operator : SY/MD
 Sample : MDL01
 Misc : 5mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 06 18:24:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 06 18:20:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	275640	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	253237	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	125125	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	69088	45.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.70%
7) Chloroethane-d5	1.58	69	48003	44.88	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.76%
11) 1,1-Dichloroethene-d2	2.13	63	97179	37.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.40%
21) 2-Butanone-d5	3.92	46	118282	107.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.74%
24) Chloroform-d	4.40	84	182034	48.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.30%
26) 1,2-Dichloroethane-d4	5.08	65	123393	50.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.62%
32) Benzene-d6	5.10	84	364156	49.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.94%
36) 1,2-Dichloropropane-d6	6.12	67	108038	51.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.36%
41) Toluene-d8	7.36	98	352087	50.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.22%
43) trans-1,3-Dichloropropene-	7.66	79	60623	50.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.02%
47) 2-Hexanone-d5	8.13	63	94325	107.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.59%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	148894	50.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.08%
66) 1,2-Dichlorobenzene-d4	11.67	152	152580	51.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.70%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	4736	2.433	ug/L	100
3) Chloromethane	1.25	50	4048	2.928	ug/L	93
5) Vinyl chloride	1.32	62	2796	2.095	ug/L #	60
6) Bromomethane	1.52	94	2122	2.739	ug/L	98
8) Chloroethane	1.60	64	1576	2.255	ug/L	98
9) Trichlorofluoromethane	1.77	101	5128	2.364	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3265	3.070	ug/L #	82
12) 1,1-Dichloroethene	2.14	96	3096	3.091	ug/L #	1
13) Acetone	2.19	43	3698	4.940	ug/L	99
14) Carbon disulfide	2.32	76	7844	2.318	ug/L	97
15) Methyl Acetate	2.46	43	3170	2.420	ug/L	97
16) Methylene chloride	2.53	84	3739	2.461	ug/L	88
17) trans-1,2-Dichloroethene	2.79	96	3420	2.419	ug/L	93
18) Methyl tert-butyl Ether	2.80	73	5716	1.176	ug/L #	57
19) 1,1-Dichloroethane	3.23	63	5785	2.243	ug/L	91
20) cis-1,2-Dichloroethene	3.96	96	3802	2.283	ug/L	96
23) Bromochloromethane	4.30	128	2065	2.255	ug/L #	89

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 Misc : 5mL/MSVOA V/WATER
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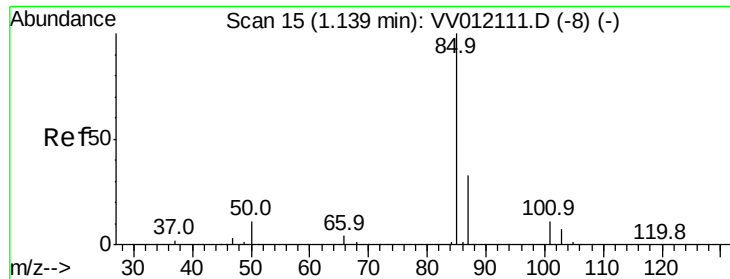
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 06 18:24:07 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

25) Chloroform	4.42	83	8327	2.849	ug/L	100
27) 1,2-Dichloroethane	5.18	62	6008	2.644	ug/L #	95
29) Cyclohexane	4.73	56	5153	2.433	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	6030	2.242	ug/L	93
31) Carbon tetrachloride	4.87	117	5951	2.385	ug/L	98
33) Benzene	5.15	78	13931	2.390	ug/L	100
34) Trichloroethene	5.96	95	4032	2.488	ug/L	98
35) Methylcyclohexane	6.18	83	5922	2.456	ug/L	94
37) 1,2-Dichloropropane	6.22	63	2218	1.560	ug/L #	91
38) Bromodichloromethane	6.56	83	5188	2.319	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	6063	2.419	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	8545	4.669	ug/L	98
42) Toluene	7.43	91	16684	2.576	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	5457	2.306	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	3756	2.451	ug/L	94
46) Tetrachloroethene	8.02	164	3540	2.345	ug/L	99
48) 2-Hexanone	8.18	43	6588	4.775	ug/L #	85
49) Dibromochloromethane	8.29	129	4998	2.513	ug/L	86
50) 1,2-Dibromoethane	8.40	107	3832	2.261	ug/L	84
51) Chlorobenzene	8.92	112	11015	2.522	ug/L	91
52) Ethylbenzene	9.05	91	16948	2.332	ug/L	96
53) m,p-Xylene	9.18	106	6620	2.361	ug/L	90
54) o-Xylene	9.59	106	6478	2.328	ug/L	94
55) Styrene	9.60	104	11325	2.416	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.28	83	6351	2.695	ug/L #	88
59) Bromoform	9.77	173	3542	2.413	ug/L #	96
60) Isopropylbenzene	9.97	105	17203	2.512	ug/L	98
61) 1,2,3-Trichloropropane	10.31	75	4515	2.657	ug/L	96
62) 1,3,5-Trimethylbenzene	10.58	105	14651	2.474	ug/L	99
63) 1,2,4-Trimethylbenzene	10.96	105	13590	2.325	ug/L	96
64) 1,3-Dichlorobenzene	11.22	146	8809	2.549	ug/L	98
65) 1,4-Dichlorobenzene	11.31	146	9357	2.678	ug/L	97
67) 1,2-Dichlorobenzene	11.69	146	9136	2.591	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.48	75	1554	2.775	ug/L #	81
69) 1,3,5-Trichlorobenzene	12.69	180	6635	2.368	ug/L	95
70) 1,2,4-trichlorobenzene	13.31	180	5205	2.143	ug/L	96
71) Naphthalene	13.56	128	10481	1.702	ug/L	98
72) 1,2,3-Trichlorobenzene	13.79	180	5008	2.049	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 2.433 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012114.D

Acq: 06 Aug 2019 15:07

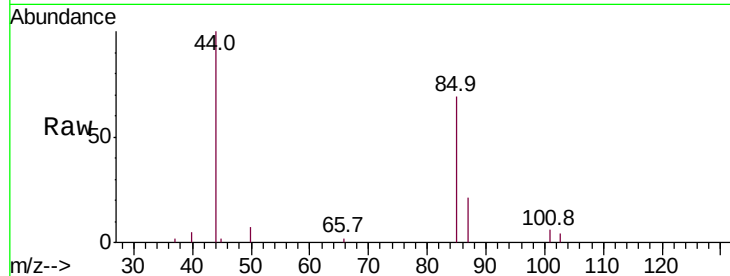
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 4736

Ion Ratio Lower Upper

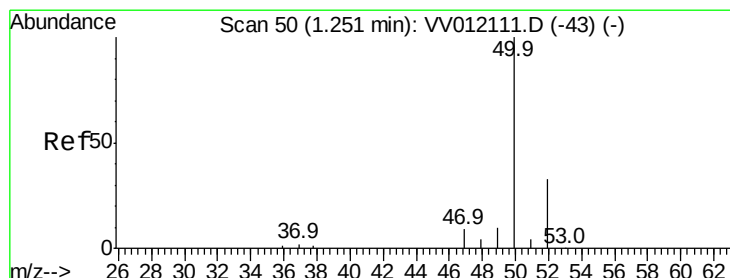
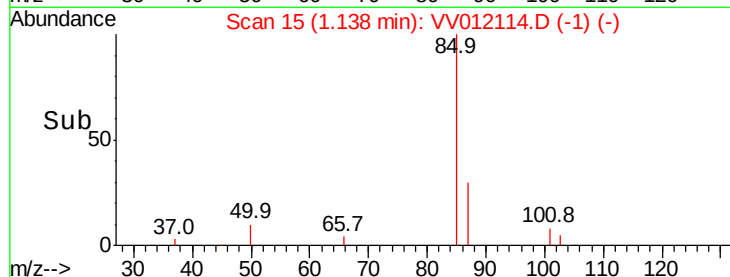
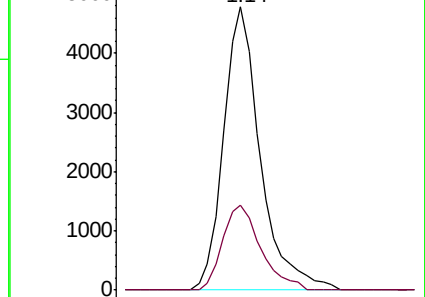
85 100

87 31.4 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV012111.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012111.D (-8) (-)



#3

Chloromethane

Concen: 2.928 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012114.D

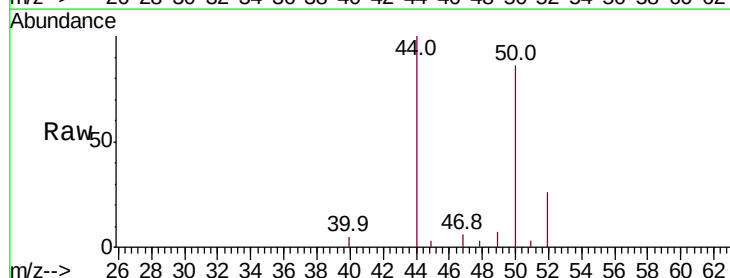
Acq: 06 Aug 2019 15:07

Tgt Ion: 50 Resp: 4048

Ion Ratio Lower Upper

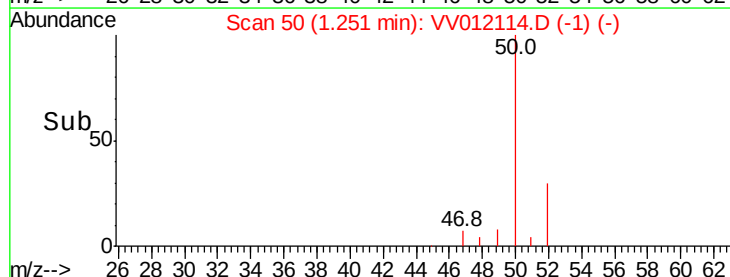
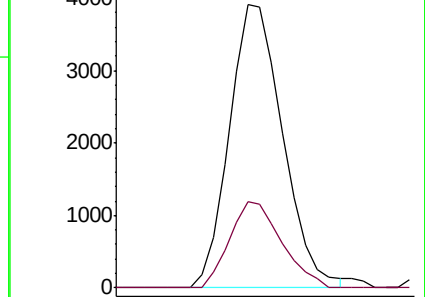
50 100

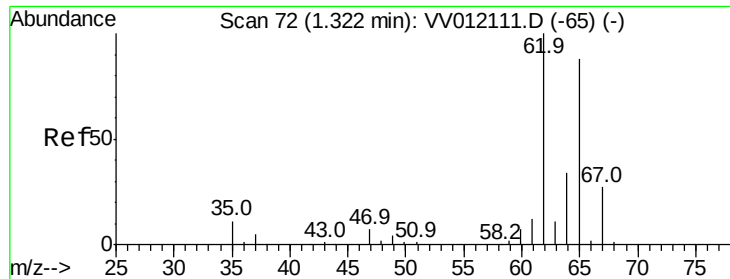
52 30.3 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VV012111.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV012111.D (-43) (-)





#5

Vinyl chloride

Concen: 2.095 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV012114.D

Acq: 06 Aug 2019 15:07

Instrument :

MSVOA_V

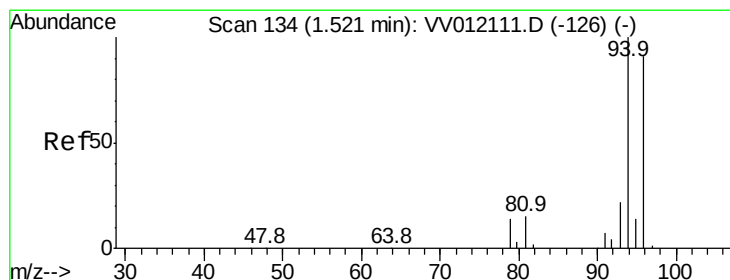
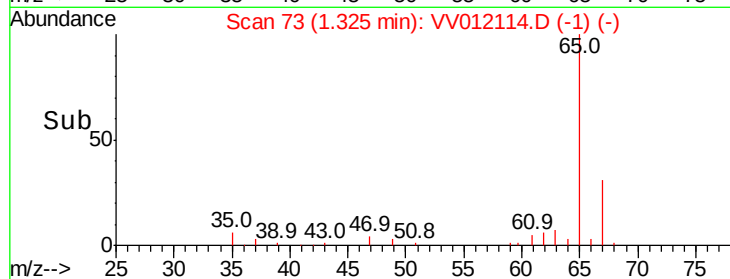
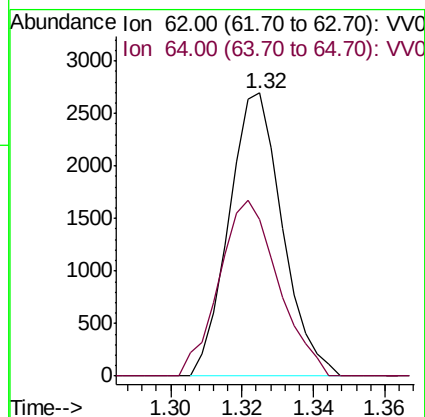
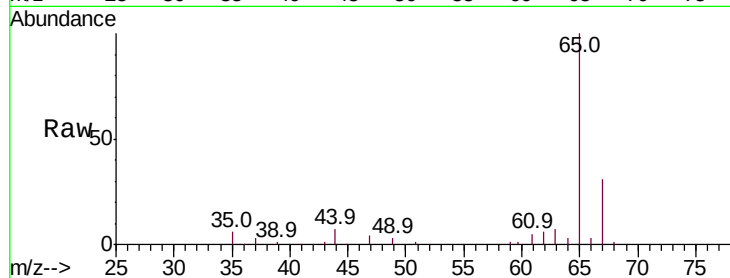
ClientSampled :

Tot Ion: 62 Resp: 2796

Ion Ratio Lower Upper

62 100

64 55.3 23.0 42.8#



#6

Bromomethane

Concen: 2.739 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.01 min

Lab File: VV012114.D

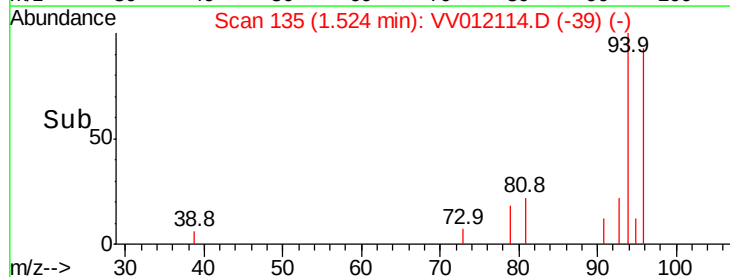
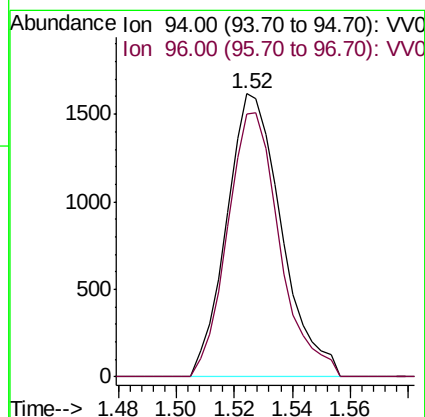
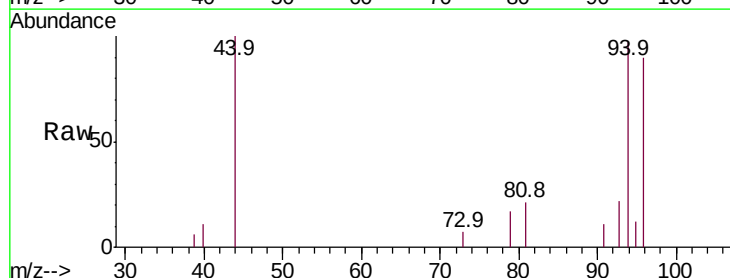
Acq: 06 Aug 2019 15:07

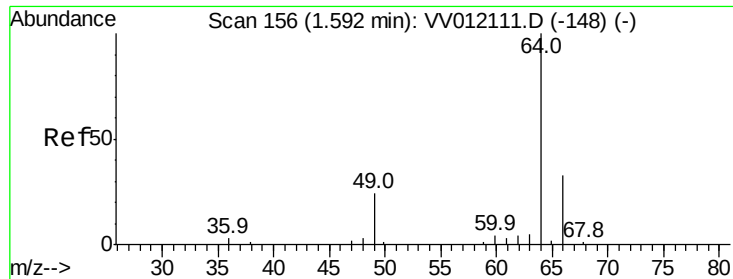
Tgt Ion: 94 Resp: 2122

Ion Ratio Lower Upper

94 100

96 93.1 66.8 124.0

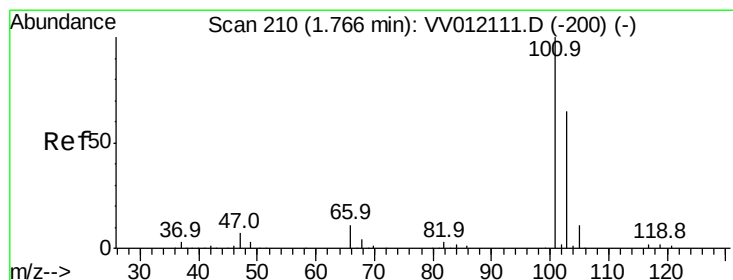
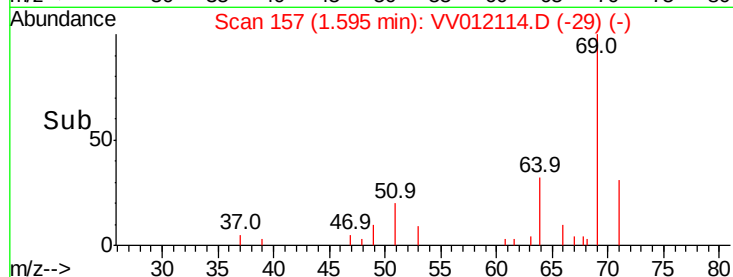
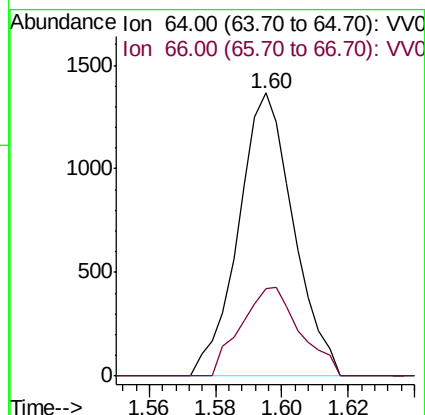
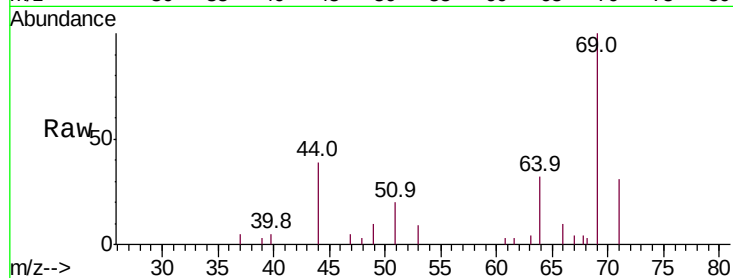




#8
Chloroethane
Concen: 2.255 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.01 min
Lab File: VV012114.D
Acq: 06 Aug 2019 15:07

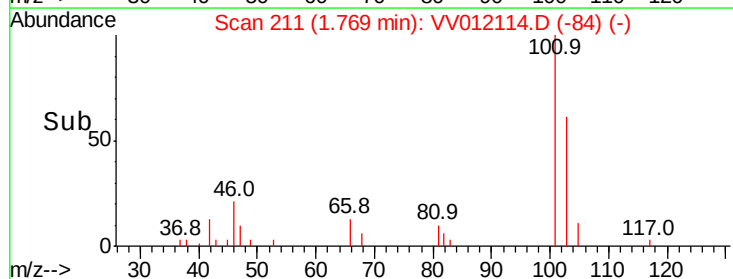
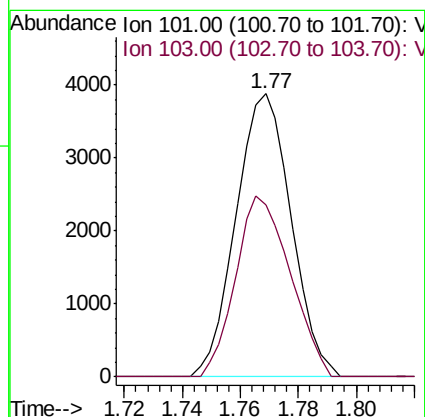
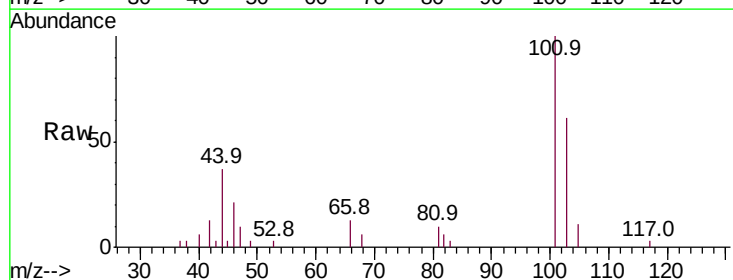
Instrument :
MSVOA_V
ClientSampled :

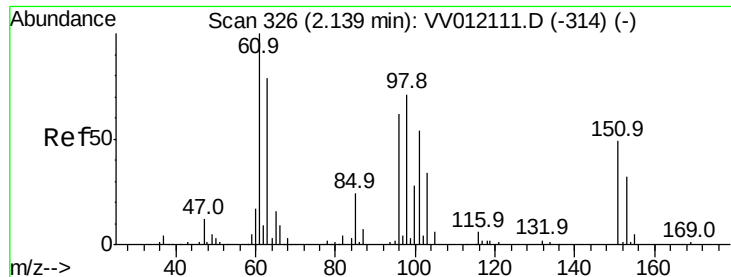
Tot Ion: 64 Resp: 1576
Ion Ratio Lower Upper
64 100
66 31.0 22.6 42.0



#9
Trichlorofluoromethane
Concen: 2.364 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.01 min
Lab File: VV012114.D
Acq: 06 Aug 2019 15:07

Tgt Ion: 101 Resp: 5128
Ion Ratio Lower Upper
101 100
103 63.1 52.5 78.7





#10

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

Concen: 3.070 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV012114.D

Acq: 06 Aug 2019 15:07

Instrument :

MSVOA_V

ClientSampleId :

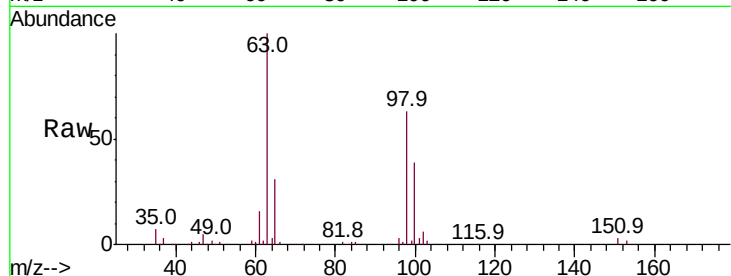
Tot Ion:101 Resp: 3265

Ion Ratio Lower Upper

101 100

85 31.5 34.4 51.6#

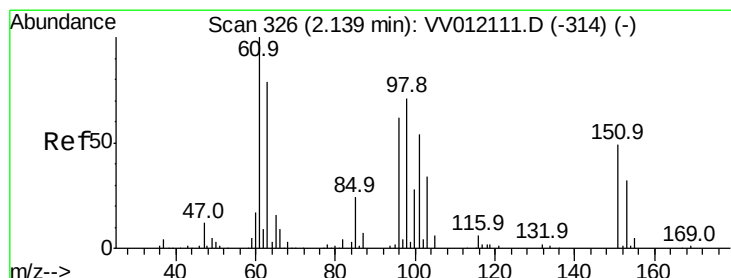
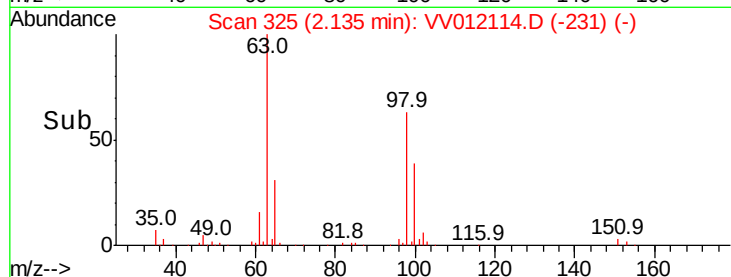
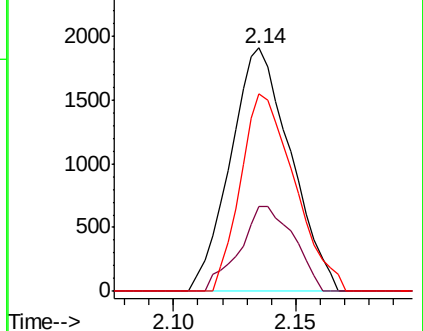
151 72.6 72.2 108.2



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: 3.091 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012114.D

Acq: 06 Aug 2019 15:07

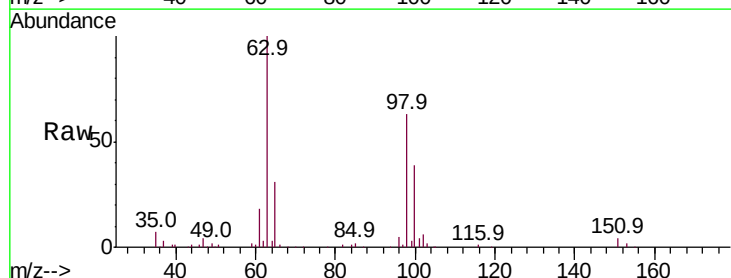
Tgt Ion: 96 Resp: 3096

Ion Ratio Lower Upper

96 100

61 400.6 120.0 223.0#

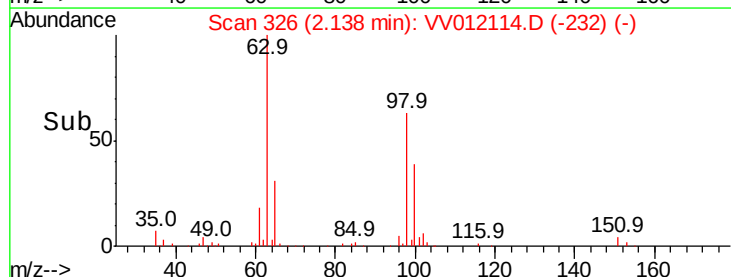
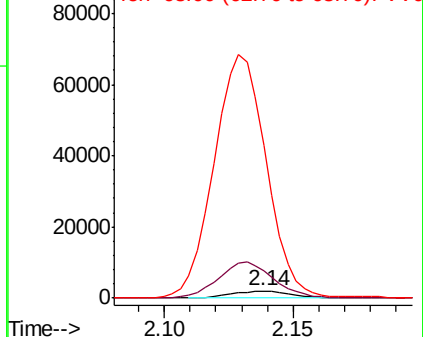
63 2213.3 98.3 182.7#

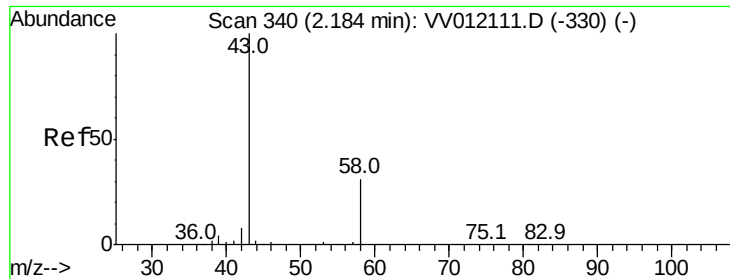


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 4.940 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV012114.D

Acq: 06 Aug 2019 15:07

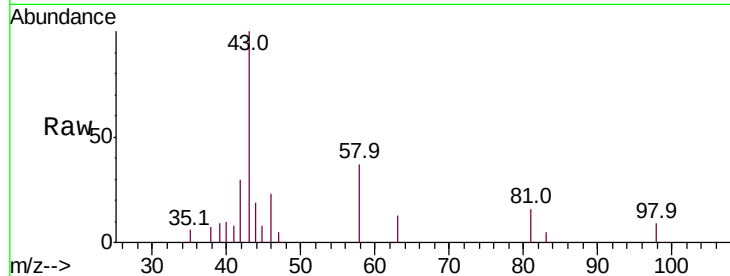
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 3698

Ion Ratio Lower Upper

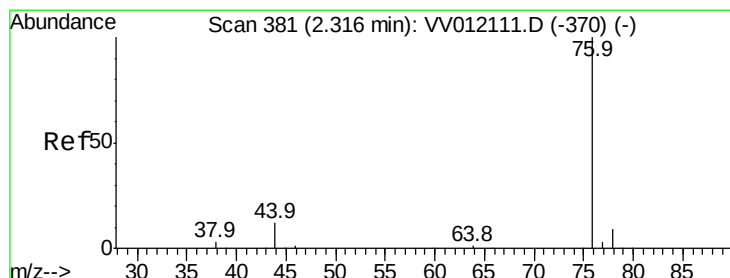
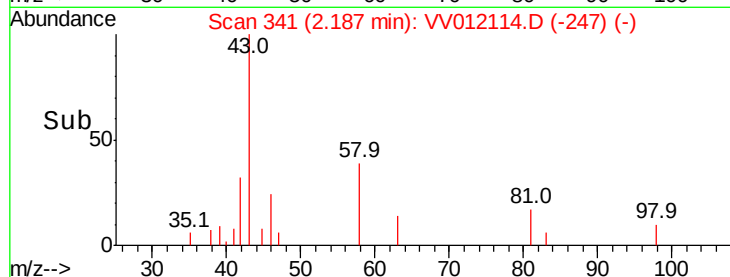
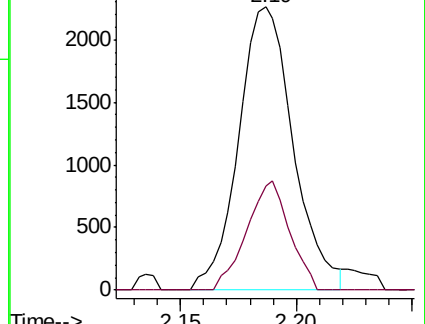
43 100

58 30.3 0.0 59.2



Abundance Ion 43.00 (42.70 to 43.70): VV012111.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV012111.D (-330) (-)



#14

Carbon disulfide

Concen: 2.318 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV012114.D

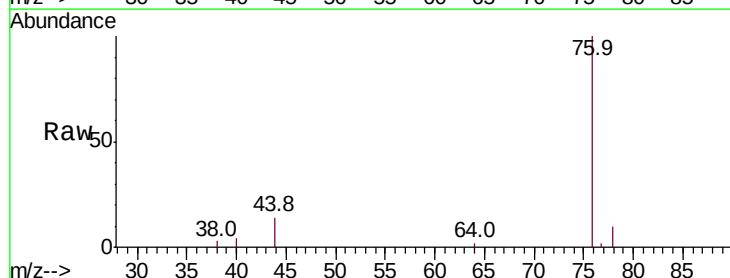
Acq: 06 Aug 2019 15:07

Tgt Ion: 76 Resp: 7844

Ion Ratio Lower Upper

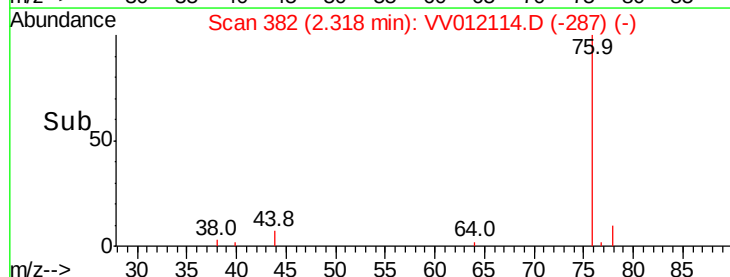
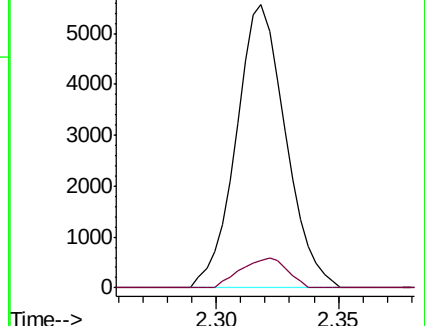
76 100

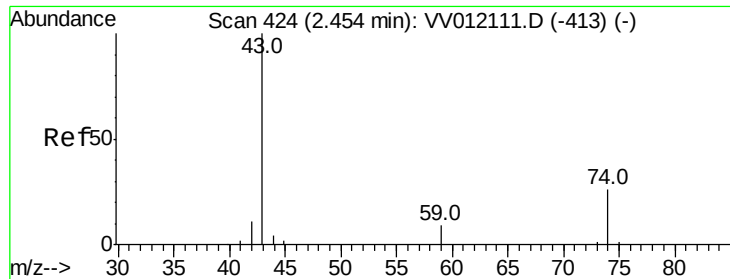
78 9.8 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV012111.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV012111.D (-370) (-)

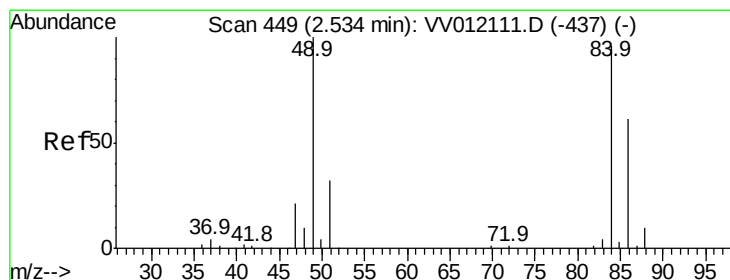
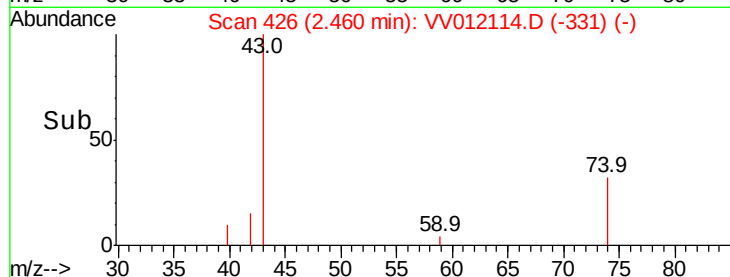
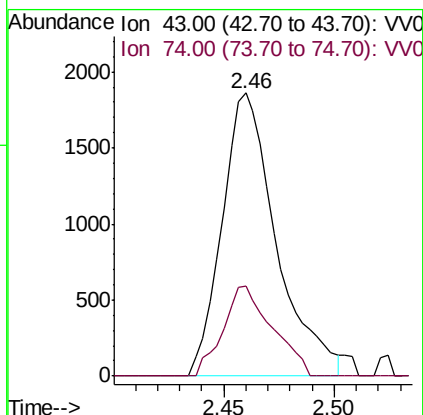
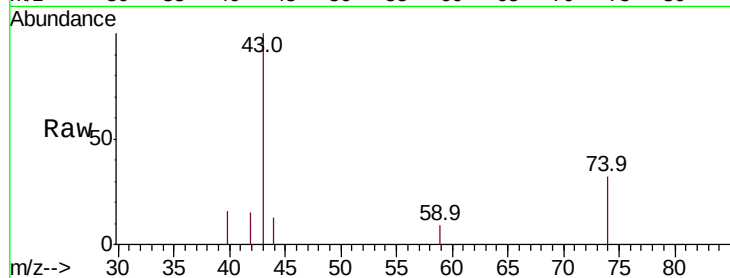




#15
Methvl Acetate
Concen: 2.420 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.01 min
Lab File: VV012114.D
Acq: 06 Aug 2019 15:07

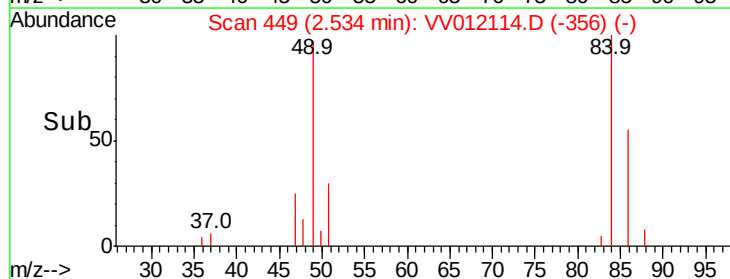
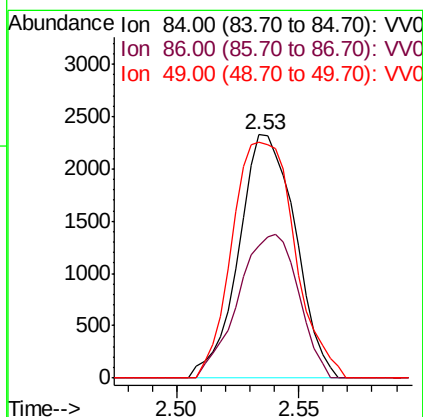
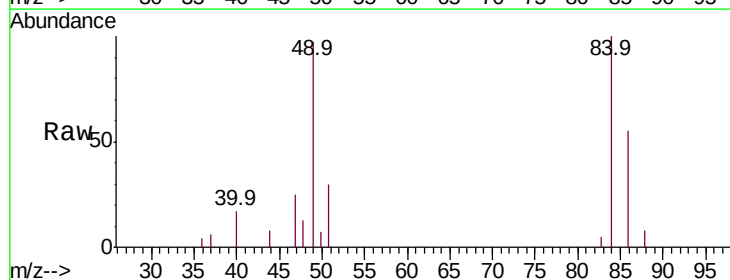
Instrument :
MSVOA_V
ClientSampleId :

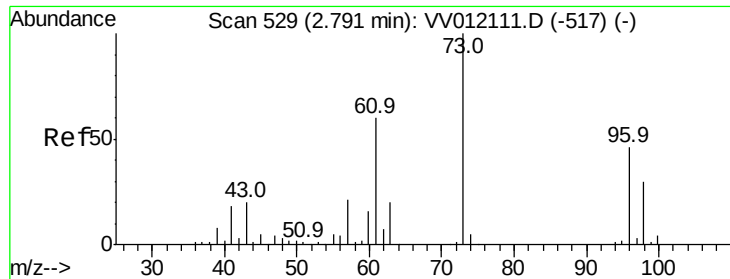
Tot Ion: 43 Resp: 3170
Ion Ratio Lower Upper
43 100
74 28.8 21.8 32.6



#16
Methylene chloride
Concen: 2.461 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV012114.D
Acq: 06 Aug 2019 15:07

Tgt Ion: 84 Resp: 3739
Ion Ratio Lower Upper
84 100
86 54.5 45.7 84.9
49 97.0 76.6 142.2





#17

trans-1,2-Dichloroethene

Concen: 2.419 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV012114.D

Acq: 06 Aug 2019 15:07

Instrument :
MSVOA_V
ClientSampleId :

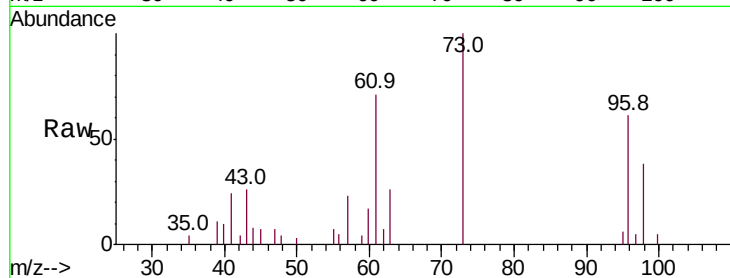
Tot Ion: 96 Resp: 3420

Ion Ratio Lower Upper

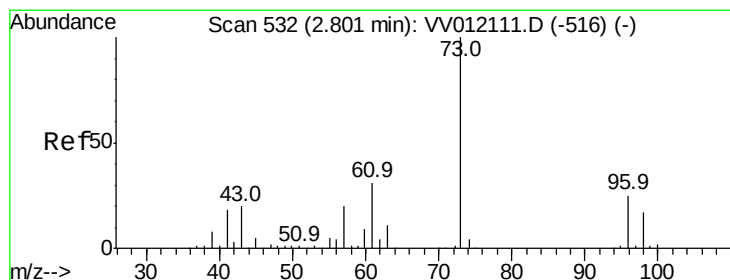
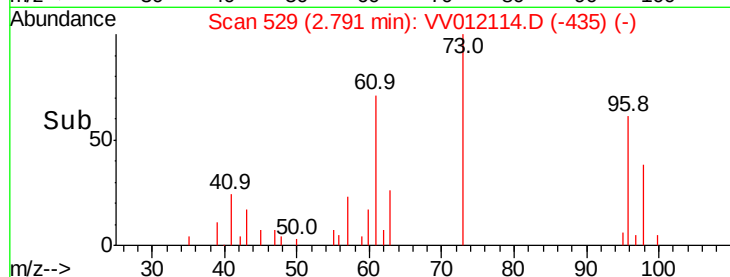
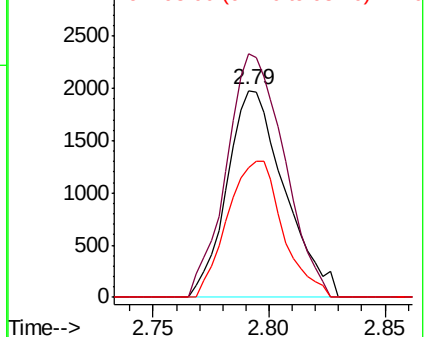
96 100

61 117.5 90.6 168.3

98 62.4 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 1.176 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

Lab File: VV012114.D

Acq: 06 Aug 2019 15:07

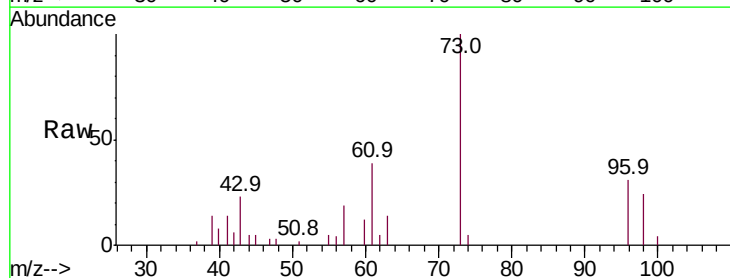
Tgt Ion: 73 Resp: 5716

Ion Ratio Lower Upper

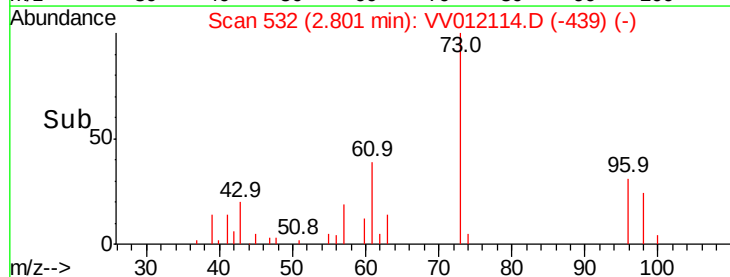
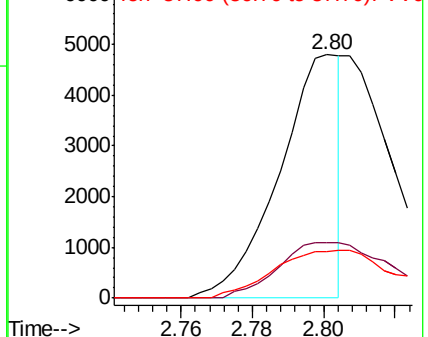
73 100

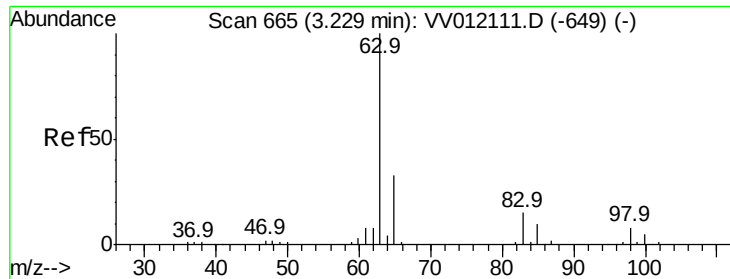
43 41.6 15.6 23.4#

57 37.2 16.0 24.0#



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 2.243 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.01 min

Lab File: VV012114.D

Acq: 06 Aug 2019 15:07

Instrument :

MSVOA_V

ClientSampleId :

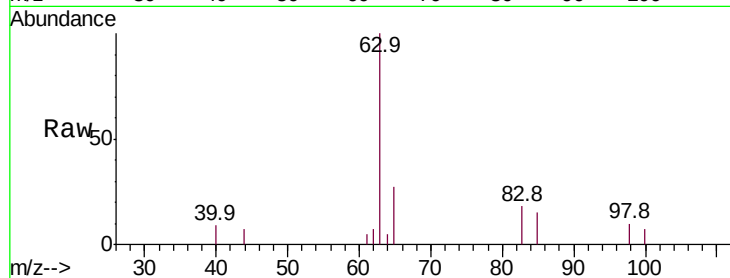
Tot Ion: 63 Resp: 5785

Ion Ratio Lower Upper

63 100

65 26.9 22.3 41.3

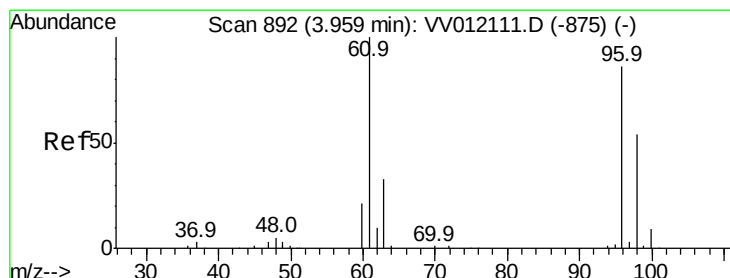
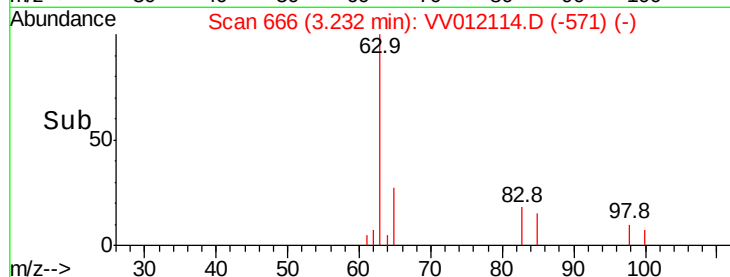
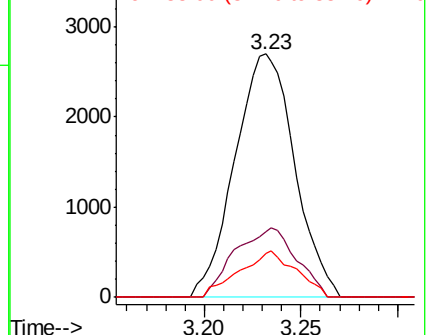
83 18.1 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 2.283 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.01 min

Lab File: VV012114.D

Acq: 06 Aug 2019 15:07

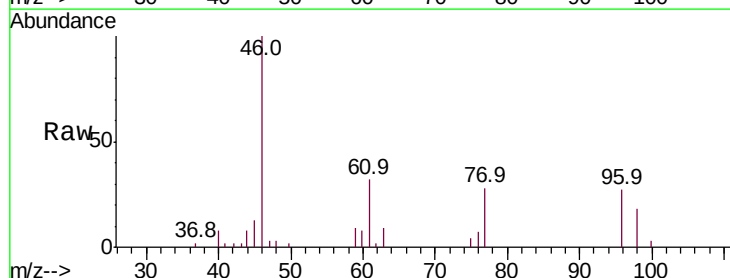
Tgt Ion: 96 Resp: 3802

Ion Ratio Lower Upper

96 100

61 118.1 80.0 148.6

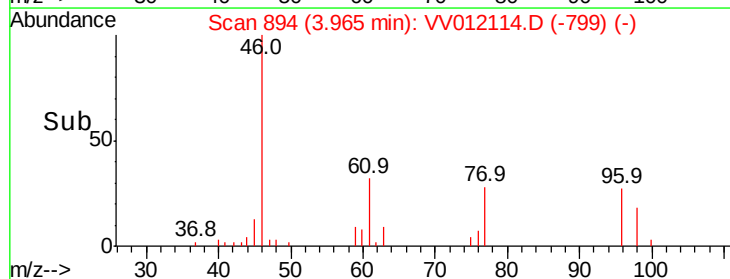
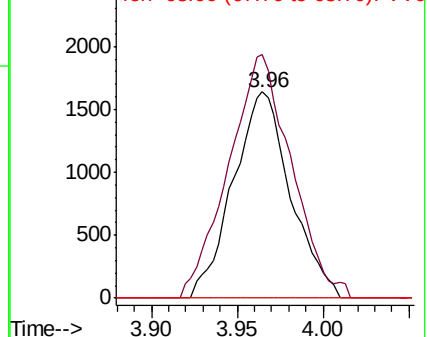
68 0.0 0.0 0.0

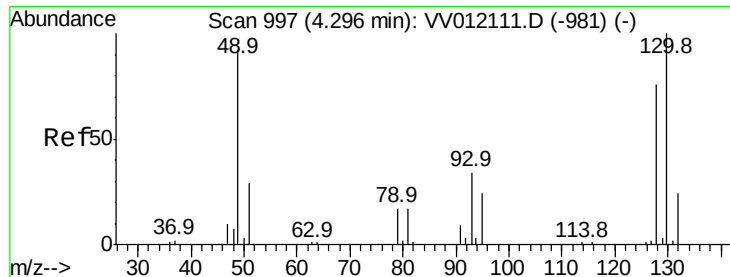


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

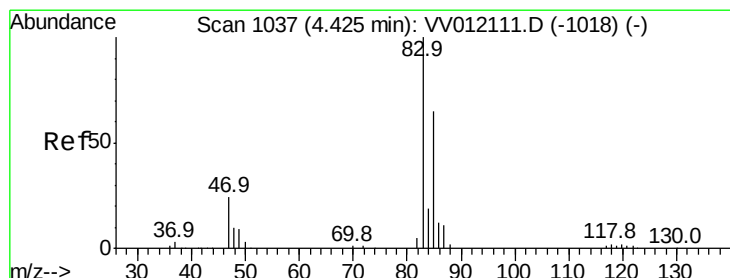
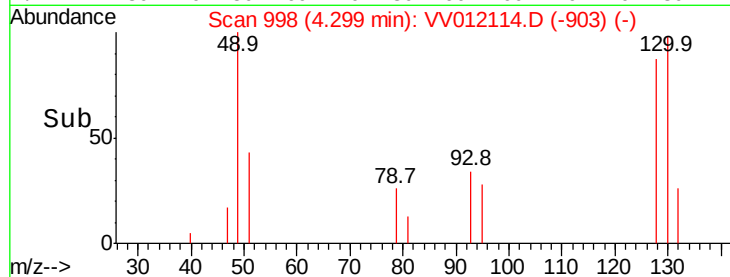
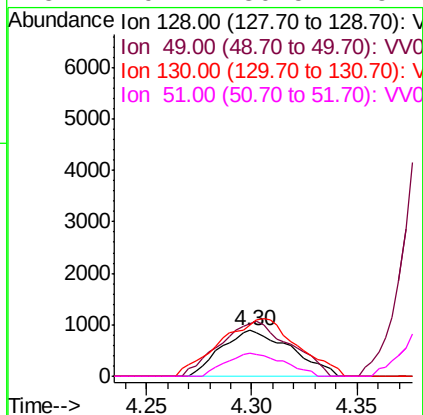
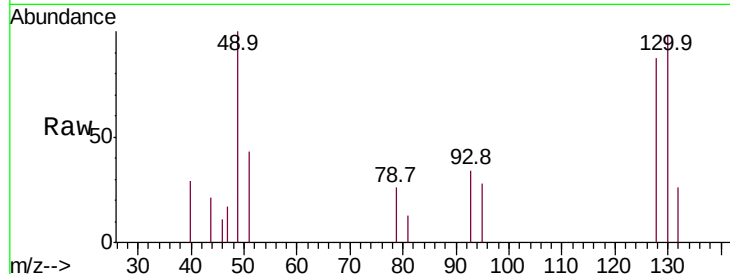




#23
 Bromochloromethane
 Concen: 2.255 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.01 min
 Lab File: VV012114.D
 Acq: 06 Aug 2019 15:07

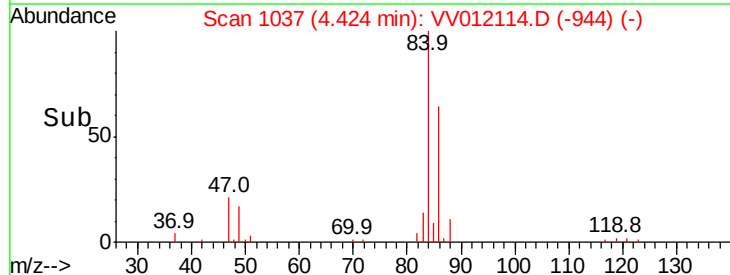
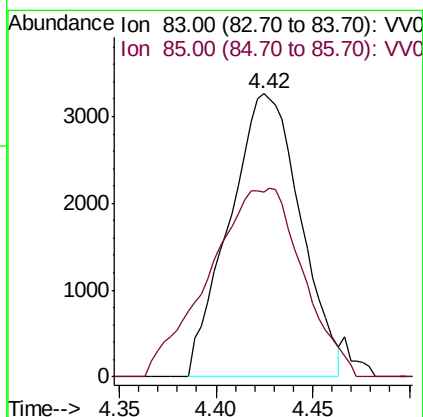
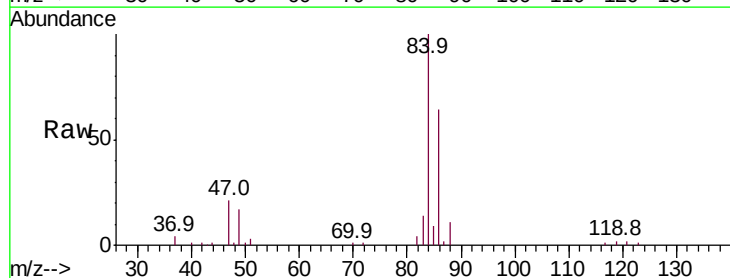
Instrument :
 MSVOA_V
 ClientSampleId :

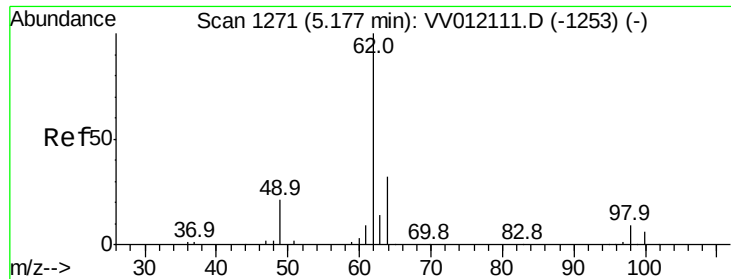
Tot Ion:128 Resp: 2065
 Ion Ratio Lower Upper
 128 100
 49 115.2 84.6 157.2
 130 112.9 89.9 167.0
 51 49.4 30.5 45.7#



#25
 Chloroform
 Concen: 2.849 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VV012114.D
 Acq: 06 Aug 2019 15:07

Tgt Ion: 83 Resp: 8327
 Ion Ratio Lower Upper
 83 100
 85 65.5 45.8 85.2

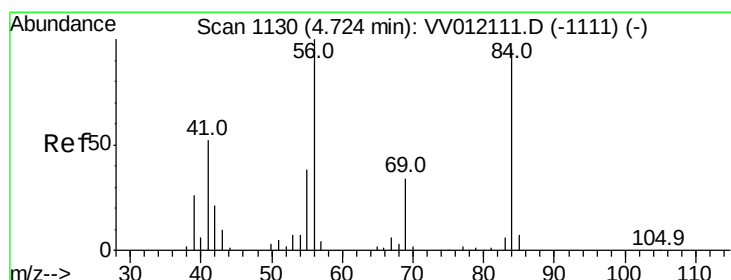
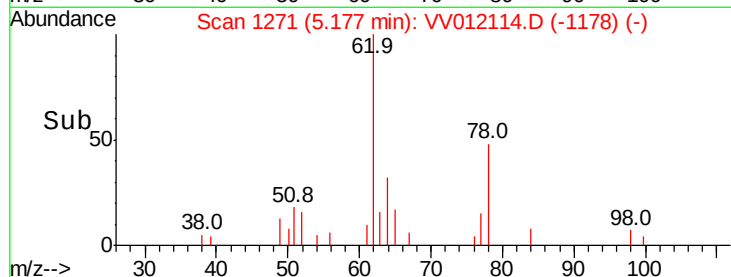
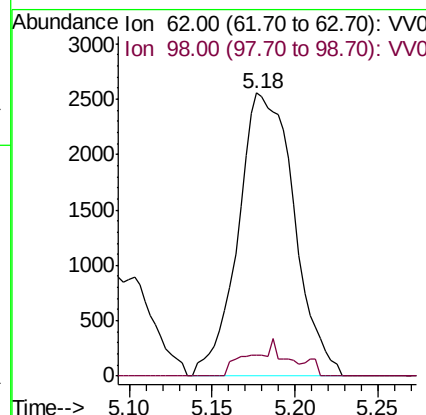
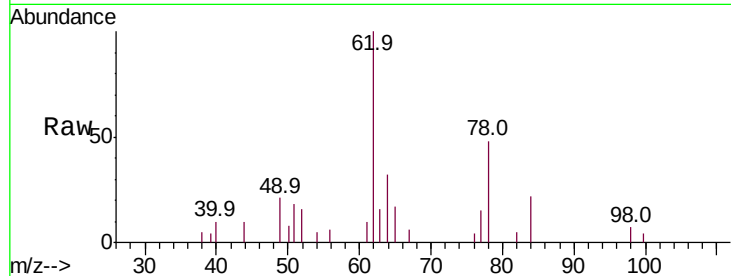




#27
 1,2-Dichloroethane
 Concen: 2.644 ug/L
 RT: 5.18 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VV012114.D
 Acq: 06 Aug 2019 15:07

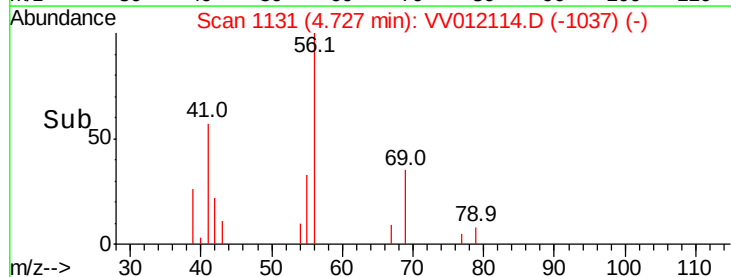
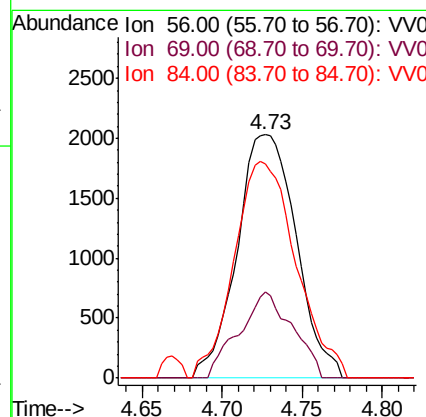
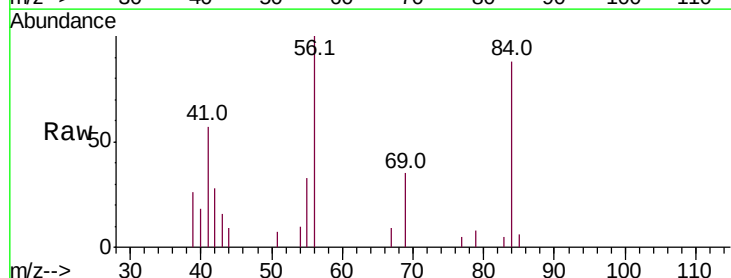
Instrument :
 MSVOA_V
 ClientSampled :

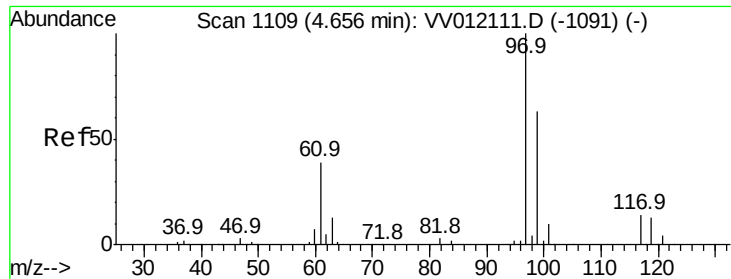
Tot Ion: 62 Resp: 6008
 Ion Ratio Lower Upper
 62 100
 98 7.4 7.5 11.3#



#29
 Cyclohexane
 Concen: 2.433 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV012114.D
 Acq: 06 Aug 2019 15:07

Tgt Ion: 56 Resp: 5153
 Ion Ratio Lower Upper
 56 100
 69 32.0 25.8 38.8
 84 93.1 76.0 114.0

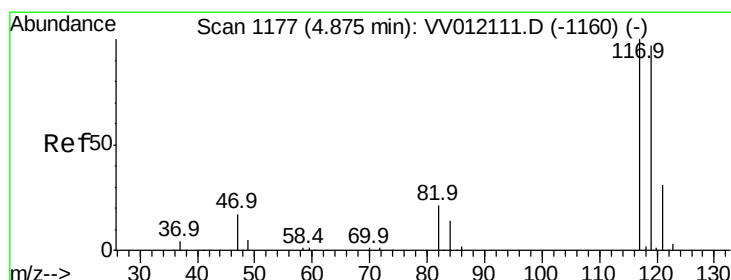
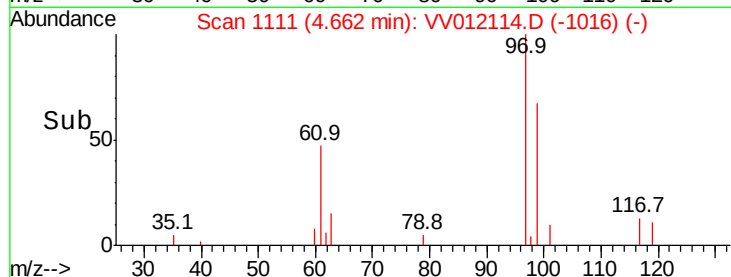
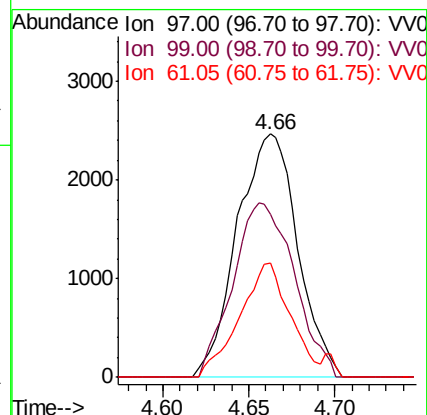
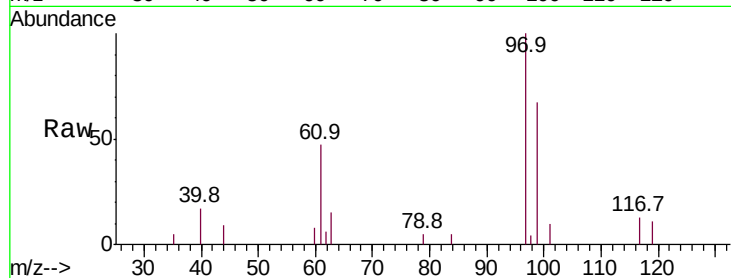




#30
 1,1,1-Trichloroethane
 Concen: 2.242 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: VV012114.D
 Acq: 06 Aug 2019 15:07

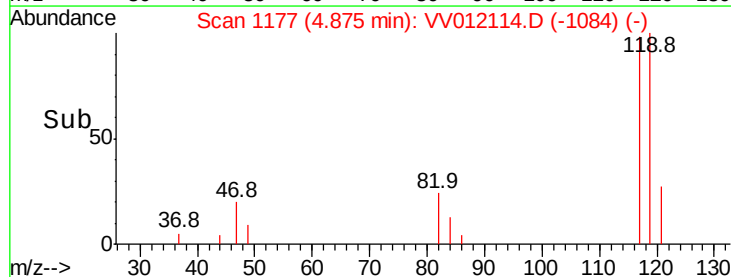
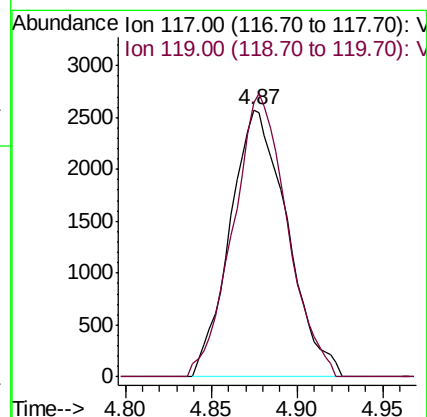
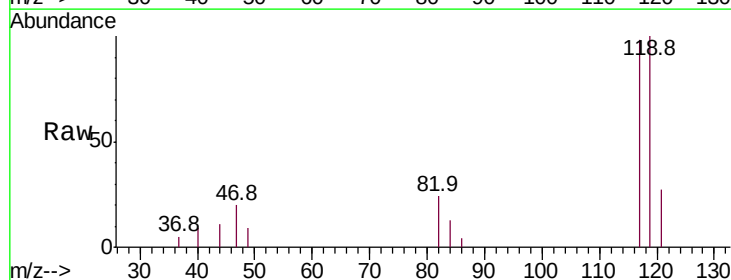
Instrument :
 MSVOA_V
 ClientSampleId :

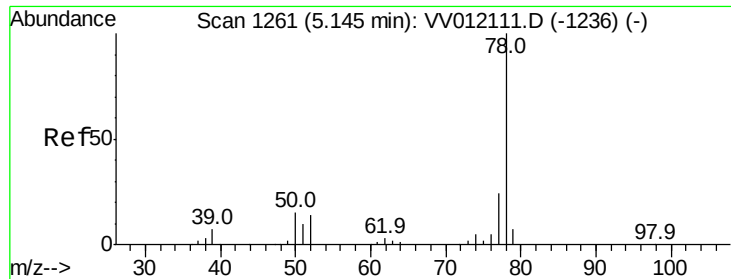
Tot Ion: 97 Resp: 6030
 Ion Ratio Lower Upper
 97 100
 99 72.8 51.1 76.7
 61 39.4 31.3 46.9



#31
 Carbon tetrachloride
 Concen: 2.385 ug/L
 RT: 4.87 min Scan# 1177
 Delta R.T. -0.00 min
 Lab File: VV012114.D
 Acq: 06 Aug 2019 15:07

Tgt Ion: 117 Resp: 5951
 Ion Ratio Lower Upper
 117 100
 119 100.2 78.2 117.4





#33

Benzene

Concen: 2.390 ug/L

RT: 5.15 min Scan# 1262

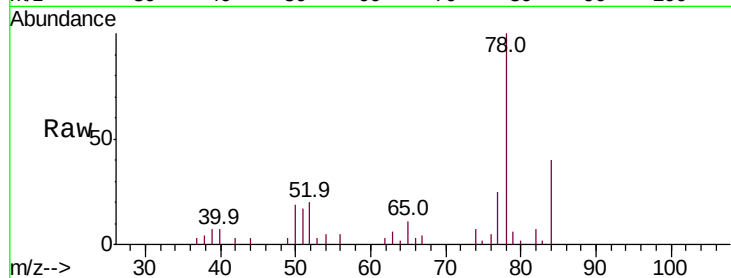
Delta R.T. 0.00 min

Lab File: VV012114.D

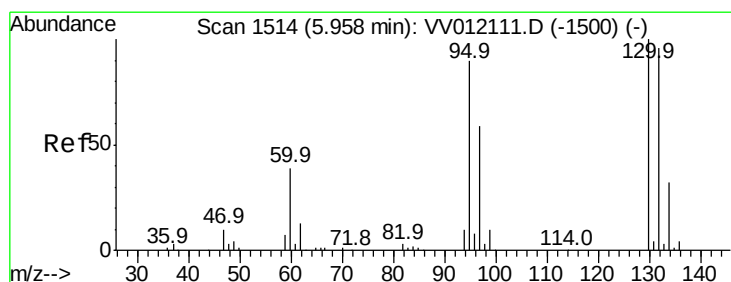
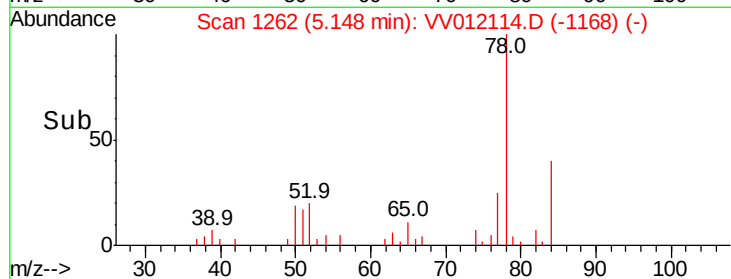
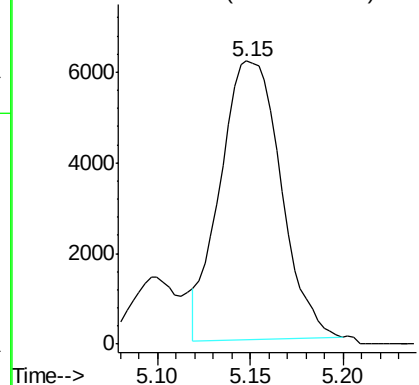
Acq: 06 Aug 2019 15:07

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 13931



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 2.488 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.01 min

Lab File: VV012114.D

Acq: 06 Aug 2019 15:07

Tgt Ion: 95 Resp: 4032

Ion	Ratio	Lower	Upper
95	100		
97	59.2	43.4	80.6
132	104.6	73.1	135.8
130	109.7	75.3	139.8

95 100

97 59.2 43.4 80.6

132 104.6 73.1 135.8

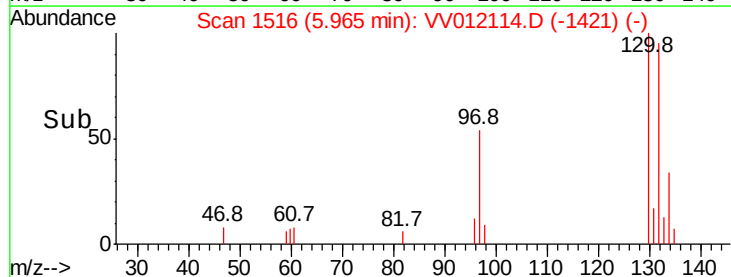
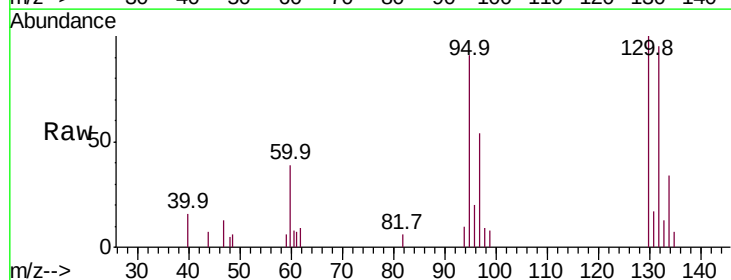
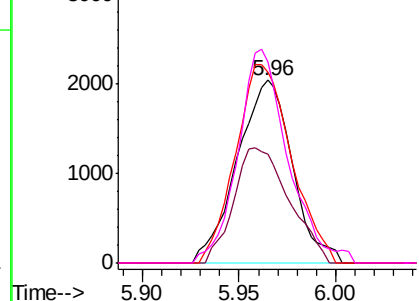
130 109.7 75.3 139.8

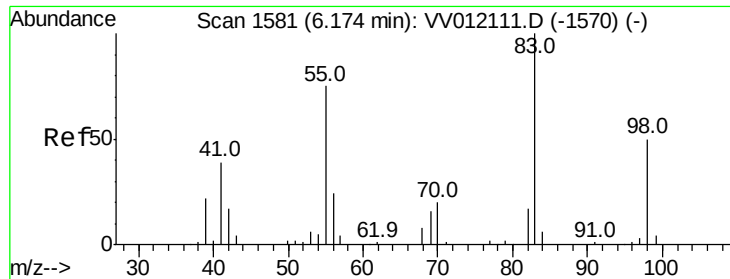
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

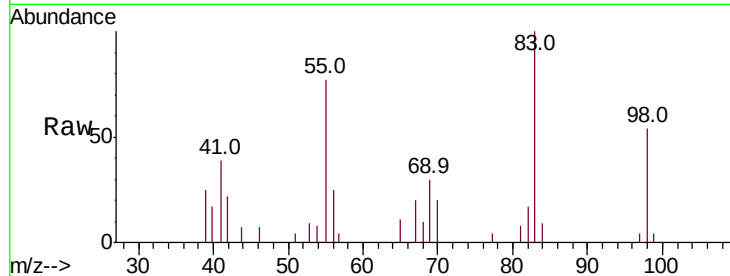




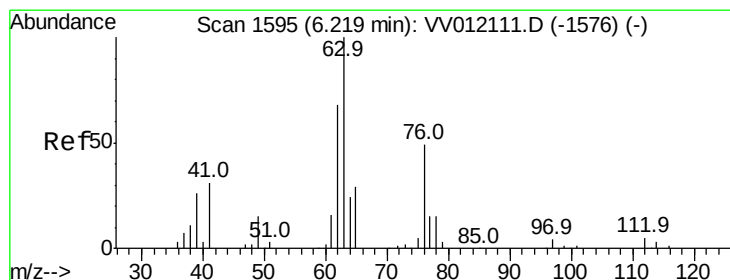
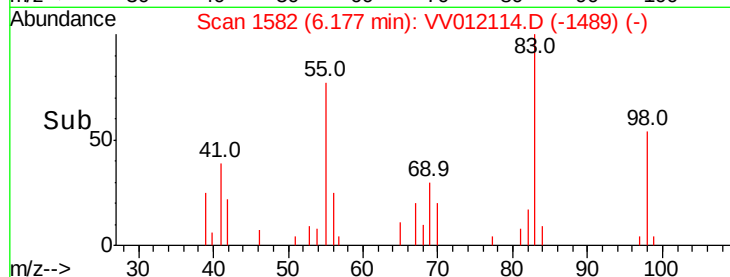
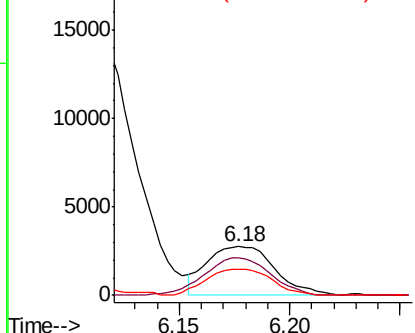
#35
Methylvlcyclohexane
Concen: 2.456 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VV012114.D
Acq: 06 Aug 2019 15:07

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 5922
Ion Ratio Lower Upper
83 100
55 74.7 55.5 83.3
98 51.7 38.5 57.7

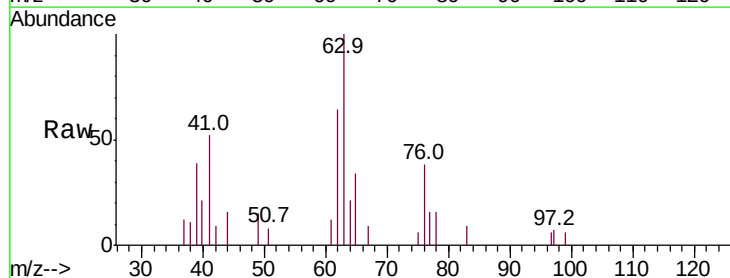


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

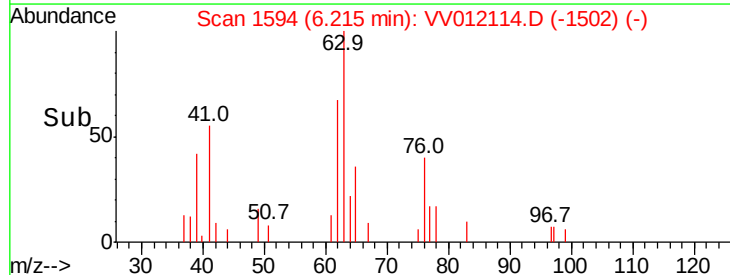
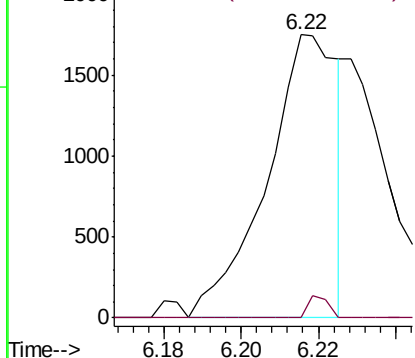


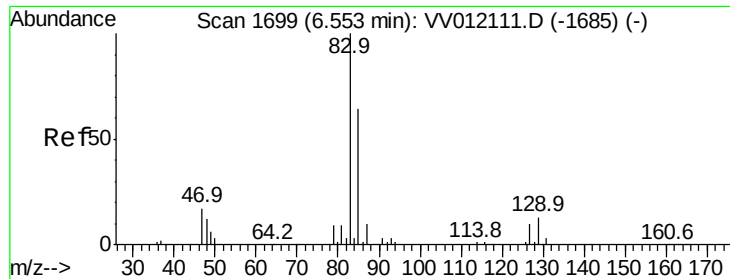
#37
1,2-Dichloropropane
Concen: 1.560 ug/L
RT: 6.22 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VV012114.D
Acq: 06 Aug 2019 15:07

Tgt Ion: 63 Resp: 2218
Ion Ratio Lower Upper
63 100
112 2.2 4.2 6.2#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V





#38

Bromodichloromethane

Concen: 2.319 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV012114.D

Acq: 06 Aug 2019 15:07

Instrument :
MSVOA_V
ClientSampleId :

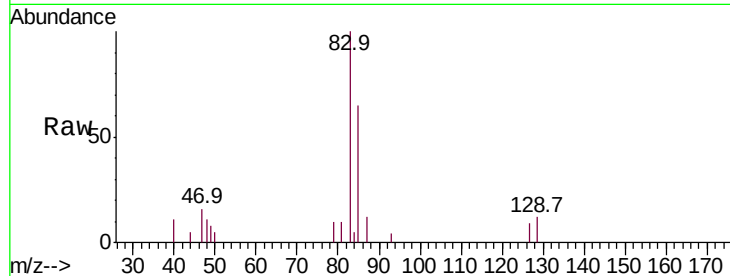
Tot Ion: 83 Resp: 5188

Ion Ratio Lower Upper

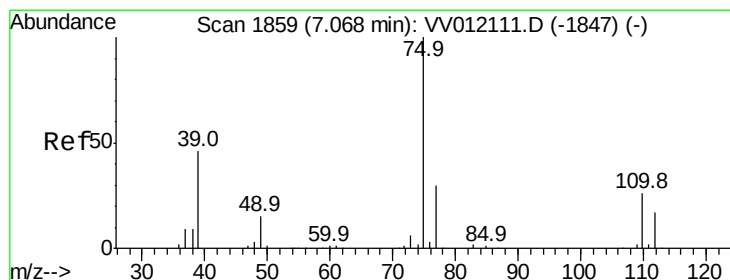
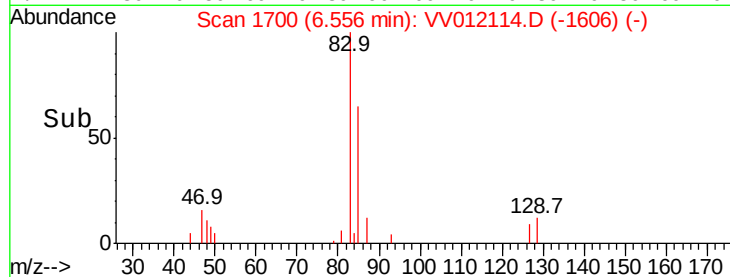
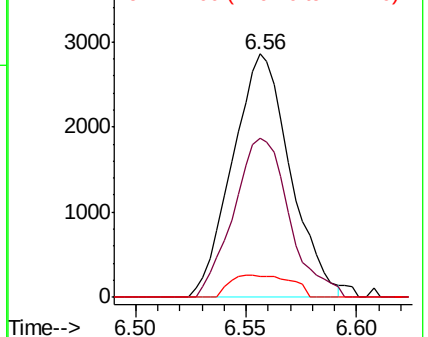
83 100

85 65.3 45.0 83.6

127 8.5 7.9 11.9



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 127.00 (126.70 to 127.70): V



#39

cis-1,3-Dichloropropene

Concen: 2.419 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV012114.D

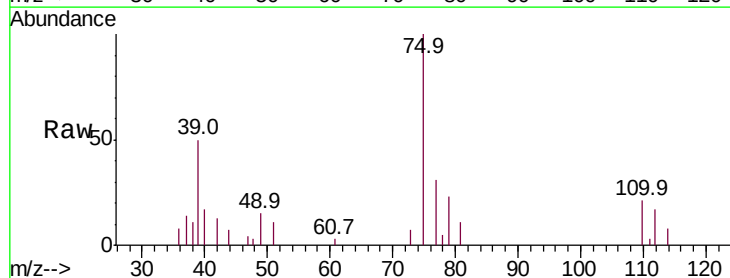
Acq: 06 Aug 2019 15:07

Tgt Ion: 75 Resp: 6063

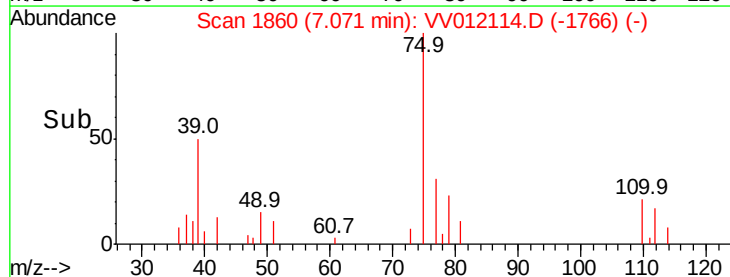
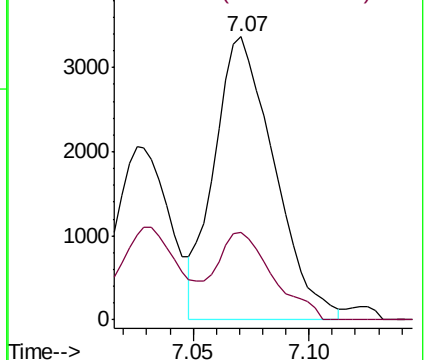
Ion Ratio Lower Upper

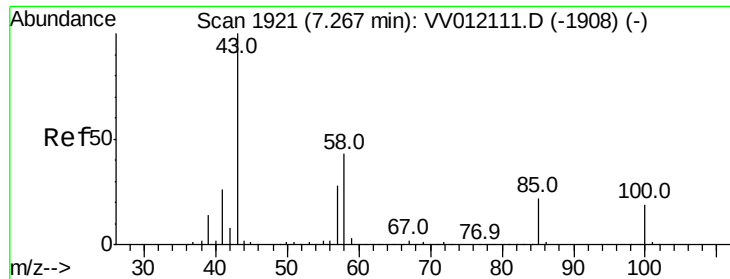
75 100

77 30.8 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0

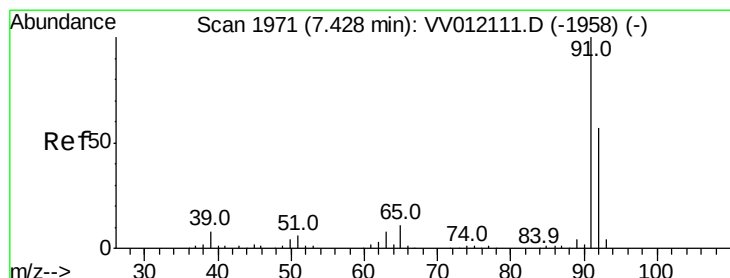
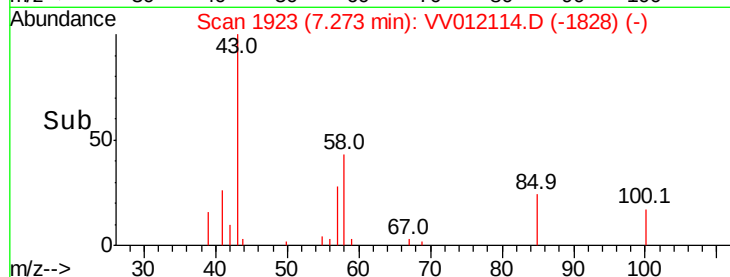
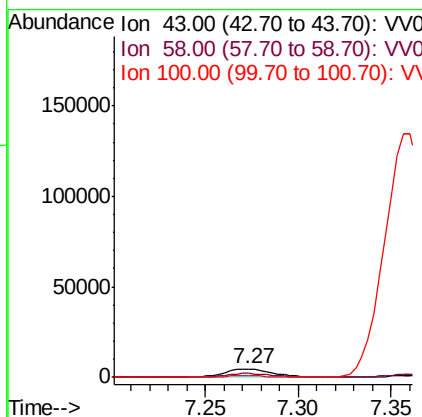
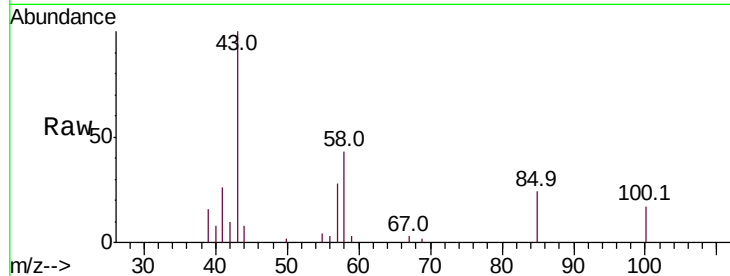




#40
4-Methyl-2-pentanone
Concen: 4.669 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VV012114.D
Acq: 06 Aug 2019 15:07

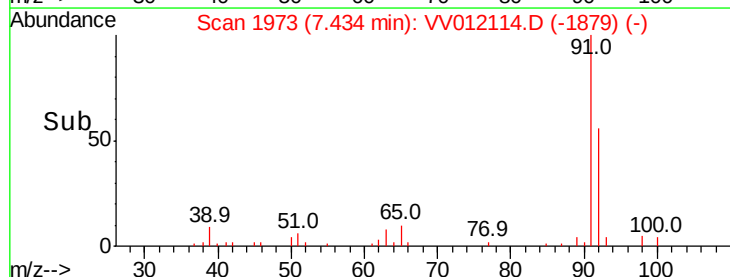
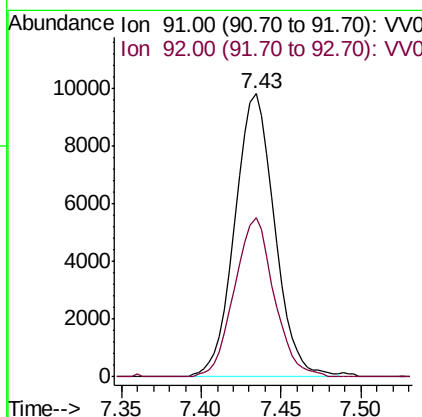
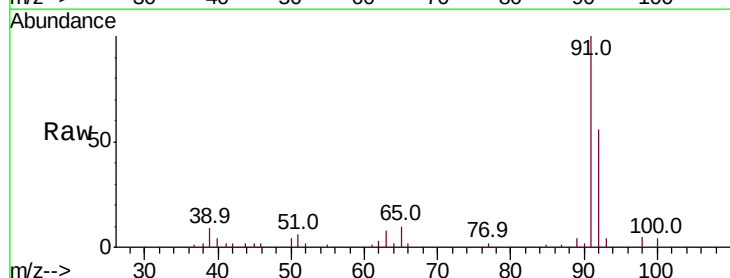
Instrument :
MSVOA_V
ClientSampleId :

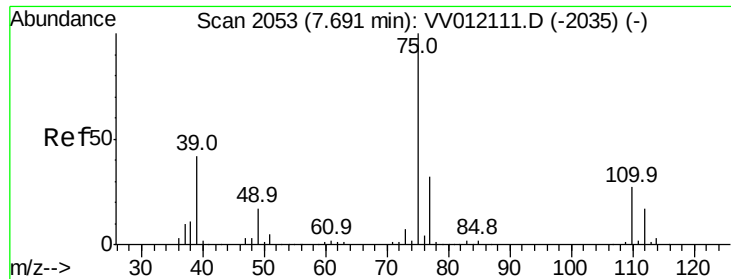
Tot Ion: 43 Resp: 8545
Ion Ratio Lower Upper
43 100
58 42.9 33.4 50.2
100 17.5 15.0 22.4



#42
Toluene
Concen: 2.576 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VV012114.D
Acq: 06 Aug 2019 15:07

Tgt Ion: 91 Resp: 16684
Ion Ratio Lower Upper
91 100
92 56.2 40.1 74.5

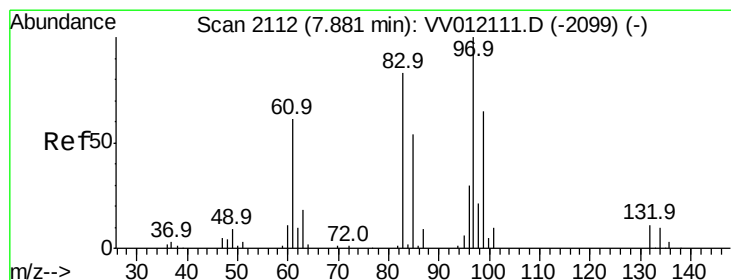
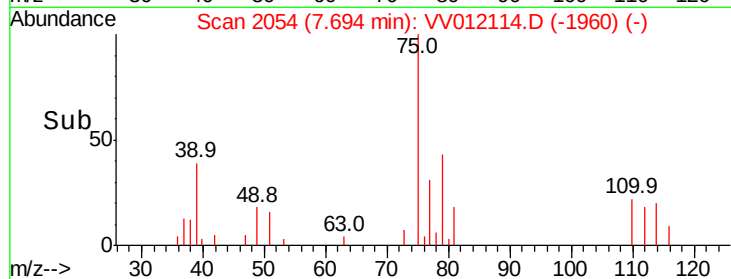
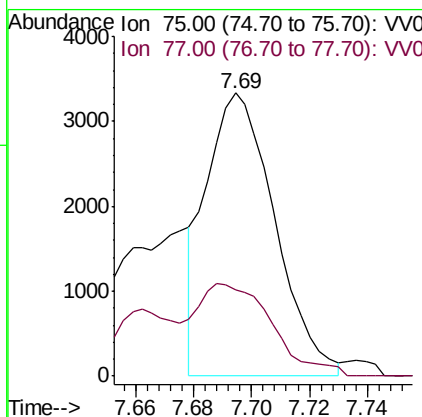
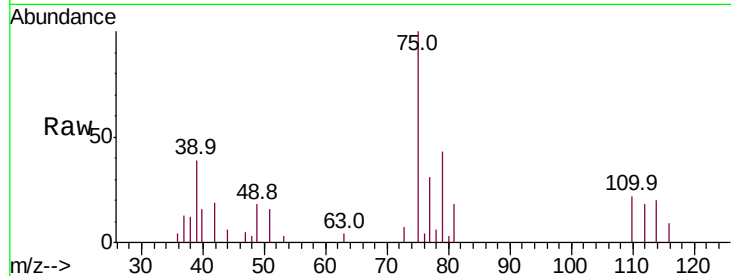




#44
trans-1,3-Dichloropropene
Concen: 2.306 ug/L
RT: 7.69 min Scan# 2054
Delta R.T. 0.00 min
Lab File: VV012114.D
Acq: 06 Aug 2019 15:07

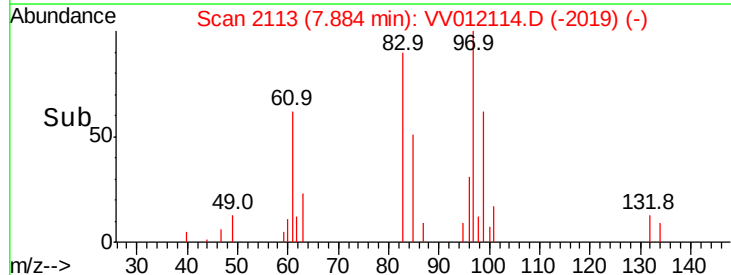
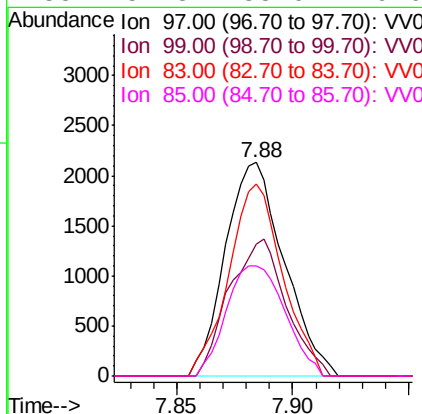
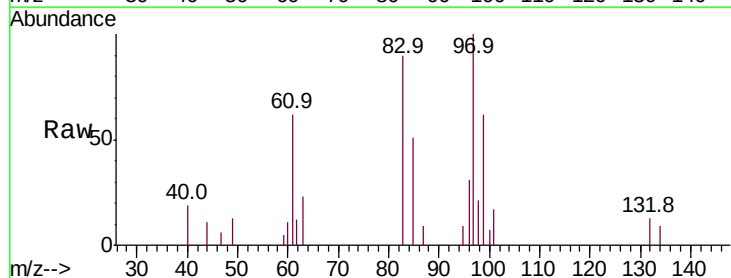
Instrument :
MSVOA_V
ClientSampleId :

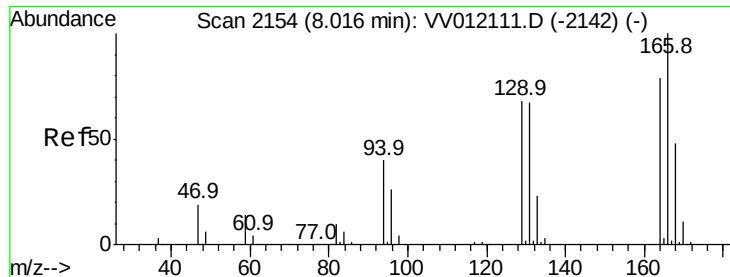
Tot Ion: 75 Resp: 5457
Ion Ratio Lower Upper
75 100
77 30.6 21.8 40.4



#45
1,1,2-Trichloroethane
Concen: 2.451 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VV012114.D
Acq: 06 Aug 2019 15:07

Tgt Ion: 97 Resp: 3756
Ion Ratio Lower Upper
97 100
99 61.9 47.2 87.6
83 89.8 58.0 107.6
85 51.3 38.0 70.6





#46

Tetrachloroethene

Concen: 2.345 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012114.D

Acq: 06 Aug 2019 15:07

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 3540

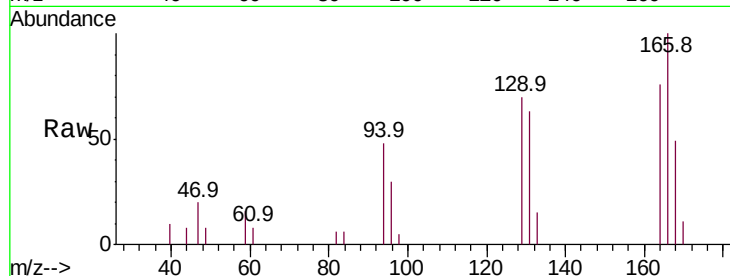
Ion Ratio Lower Upper

164 100

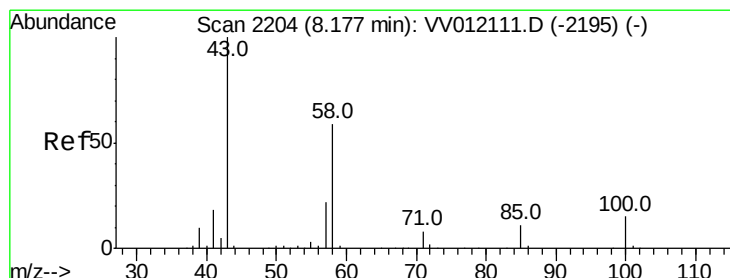
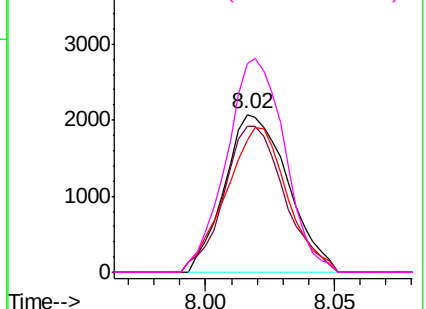
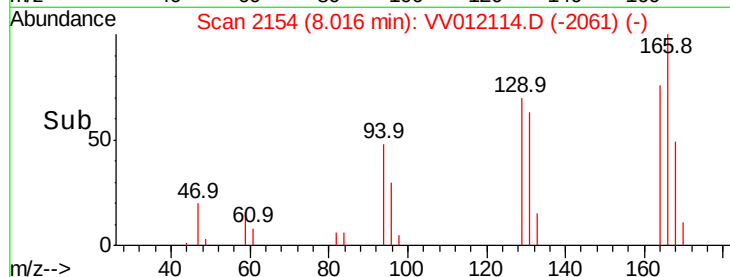
129 92.3 64.3 119.5

131 83.5 60.1 111.7

166 132.3 91.8 170.6



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



#48

2-Hexanone

Concen: 4.775 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VV012114.D

Acq: 06 Aug 2019 15:07

Tgt Ion: 43 Resp: 6588

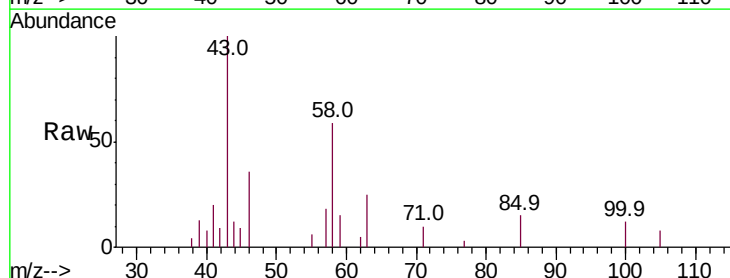
Ion Ratio Lower Upper

43 100

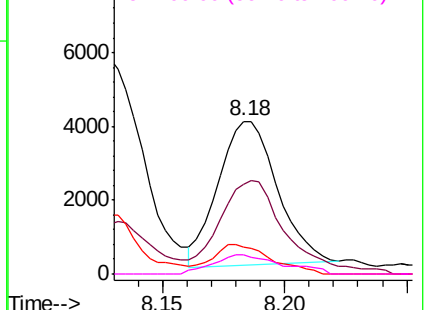
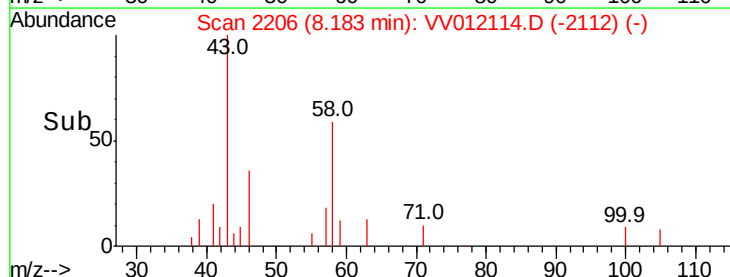
58 73.7 45.6 68.4#

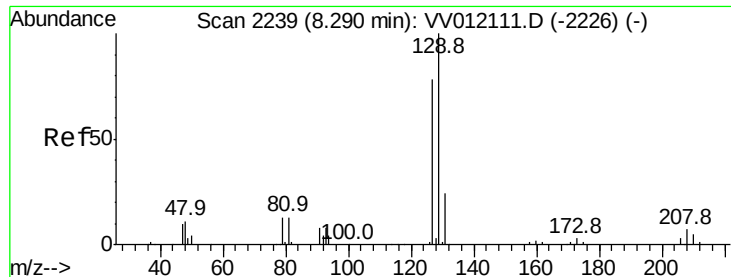
57 20.6 17.0 25.6

100 13.2 11.5 17.3



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

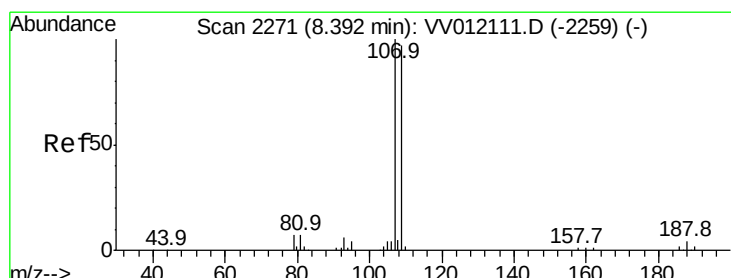
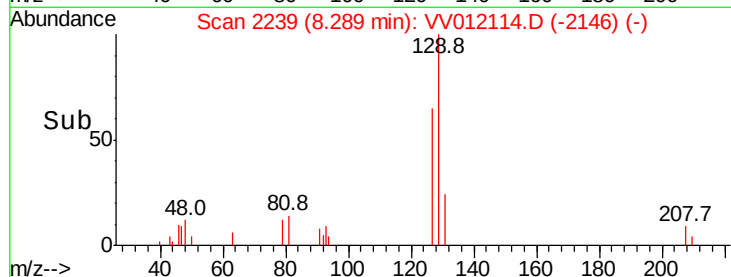
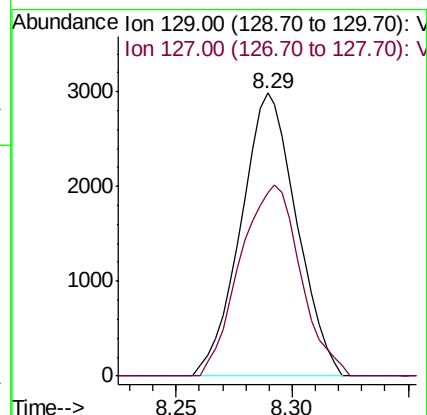
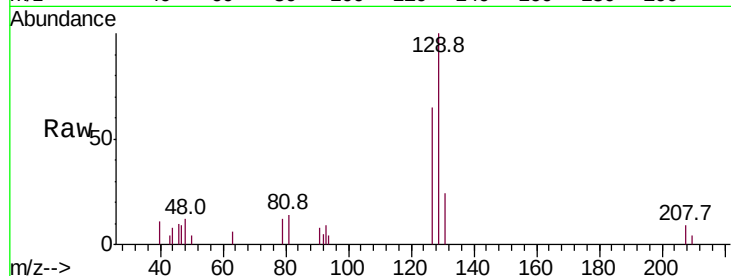




#49
 Dibromochloromethane
 Concen: 2.513 ug/L
 RT: 8.29 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VV012114.D
 Acq: 06 Aug 2019 15:07

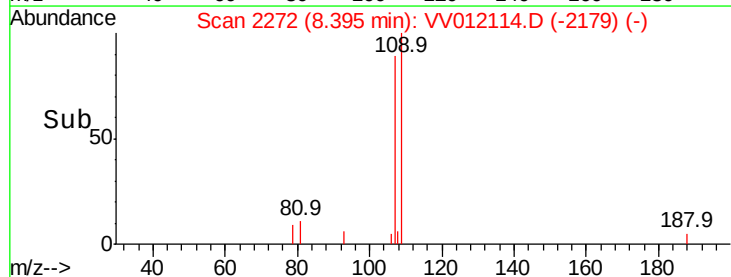
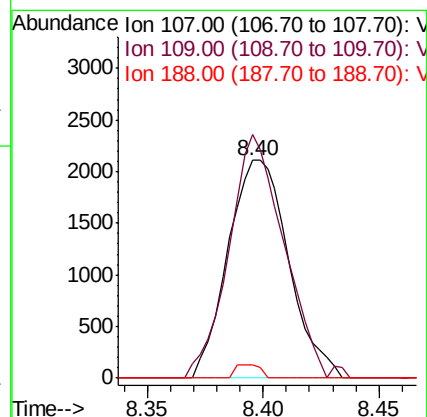
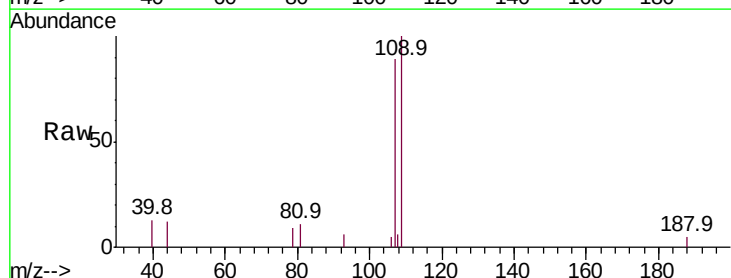
Instrument :
 MSVOA_V
 ClientSampleId :

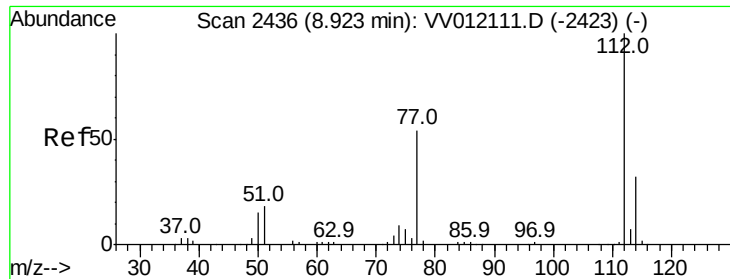
Tot Ion:129 Resp: 4998
 Ion Ratio Lower Upper
 129 100
 127 65.0 53.8 100.0



#50
 1,2-Dibromoethane
 Concen: 2.261 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VV012114.D
 Acq: 06 Aug 2019 15:07

Tgt Ion:107 Resp: 3832
 Ion Ratio Lower Upper
 107 100
 109 111.9 67.0 124.4
 188 5.8 3.9 5.9

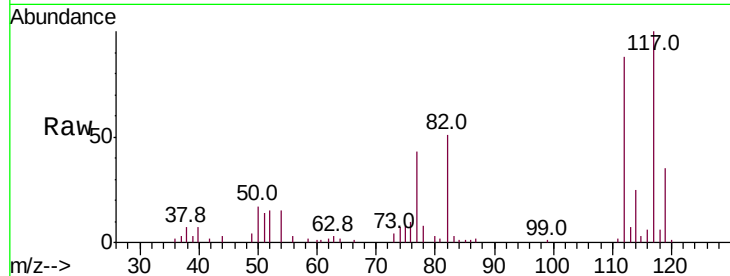




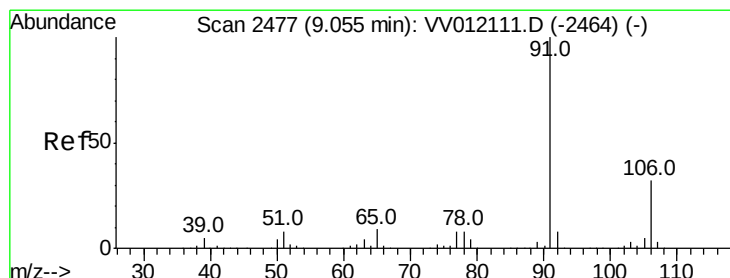
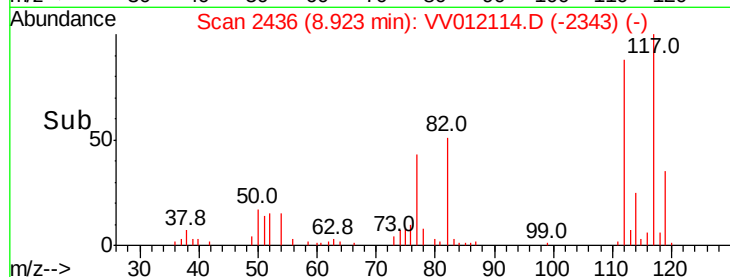
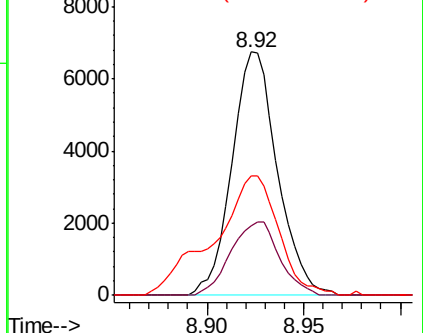
#51
Chlorobenzene
Concen: 2.522 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012114.D
Acq: 06 Aug 2019 15:07

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:112 Resp: 11015
Ion Ratio Lower Upper
112 100
114 28.4 22.8 42.4
77 49.1 44.7 67.1

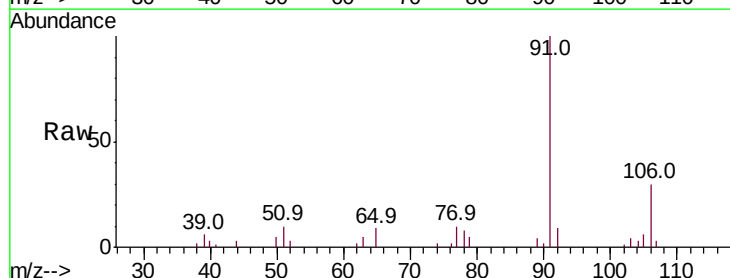


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

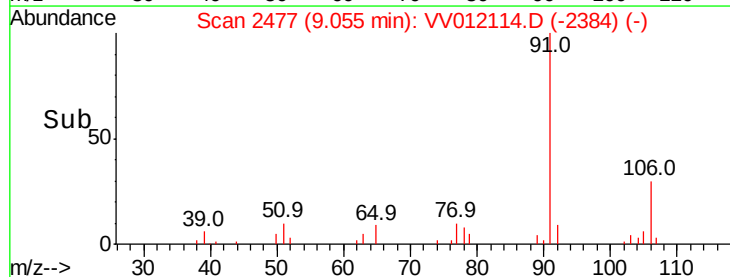
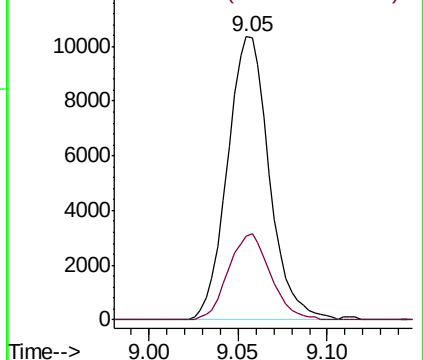


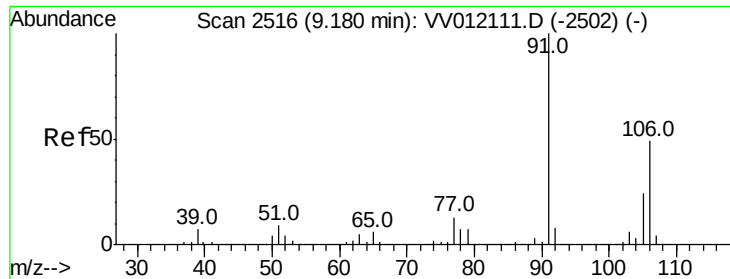
#52
Ethylbenzene
Concen: 2.332 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV012114.D
Acq: 06 Aug 2019 15:07

Tgt Ion: 91 Resp: 16948
Ion Ratio Lower Upper
91 100
106 29.5 22.3 41.5



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





#53

m,p-Xylene

Concen: 2.361 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV012114.D

Acq: 06 Aug 2019 15:07

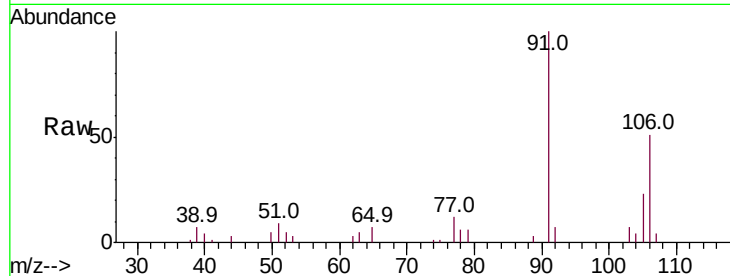
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 6620

Ion Ratio Lower Upper

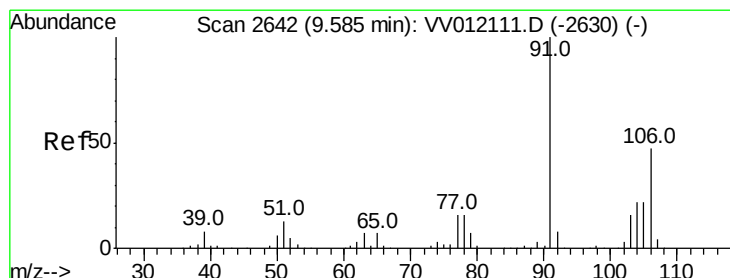
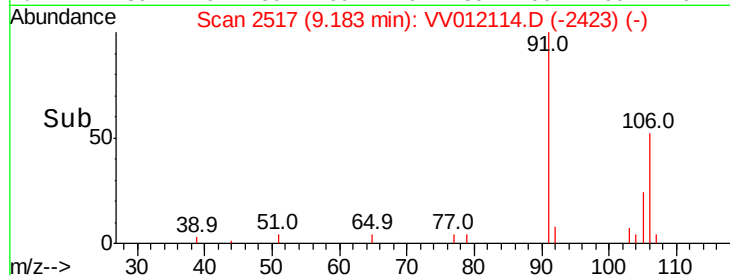
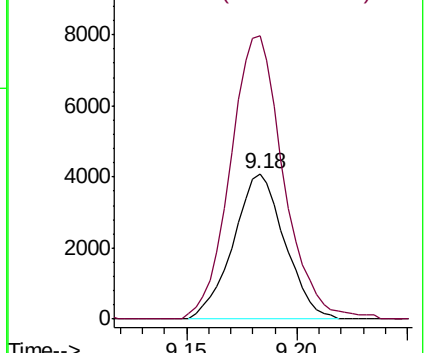
106 100

91 194.3 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-Xylene

Concen: 2.328 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV012114.D

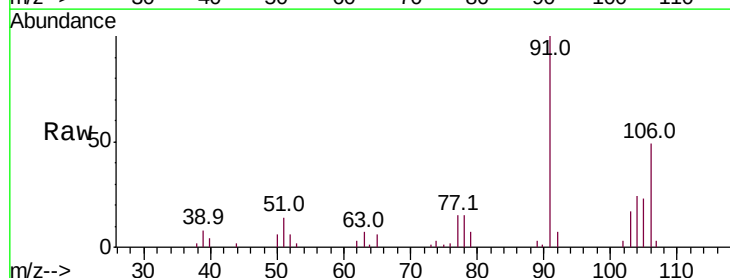
Acq: 06 Aug 2019 15:07

Tgt Ion:106 Resp: 6478

Ion Ratio Lower Upper

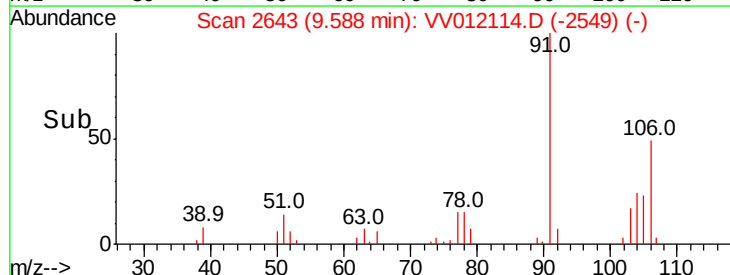
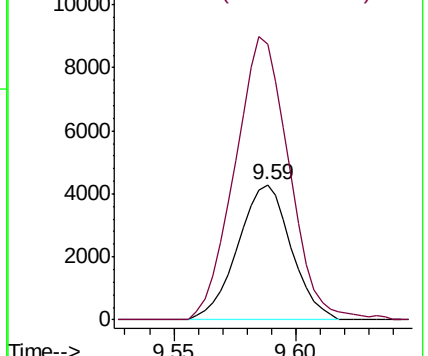
106 100

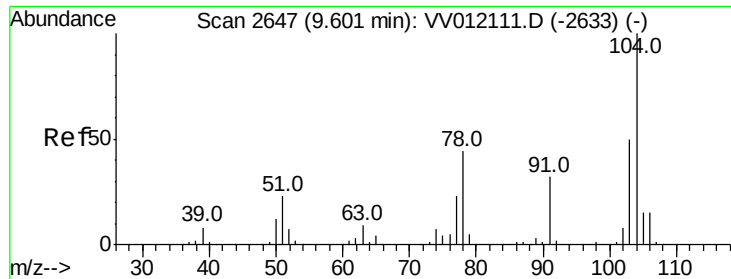
91 204.7 150.4 279.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

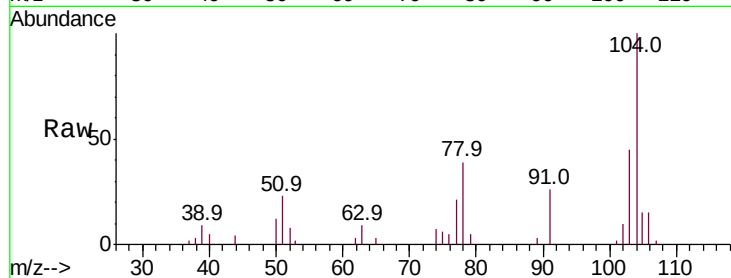




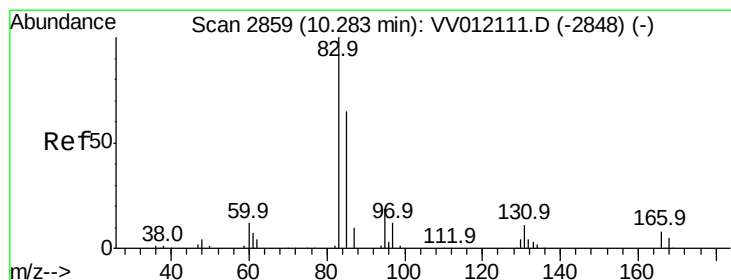
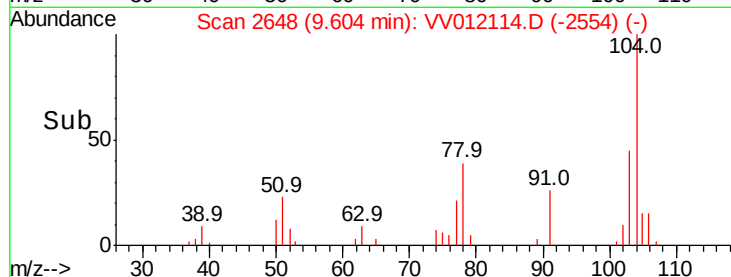
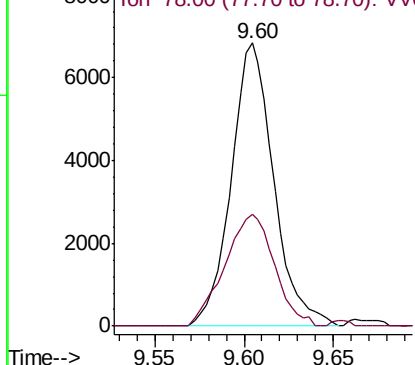
#55
Stvrene
Concen: 2.416 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV012114.D
Acq: 06 Aug 2019 15:07

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:104 Resp: 11325
Ion Ratio Lower Upper
104 100
78 39.5 32.0 59.4

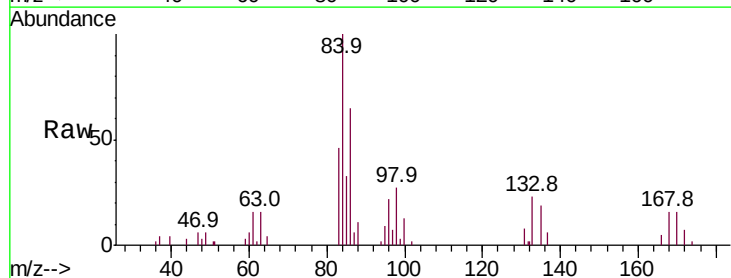


Abundance Ion 104.00 (103.70 to 104.70): VV012111.D (-2633) (-)
Ion 78.00 (77.70 to 78.70): VV012111.D (-2633) (-)

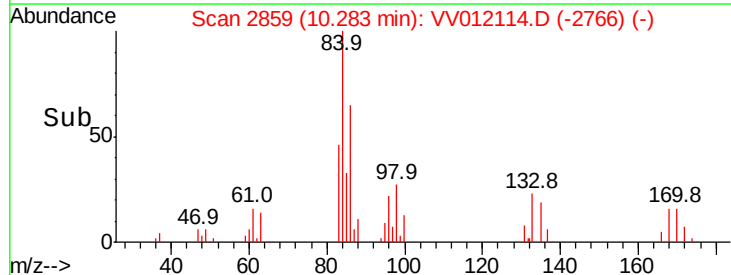
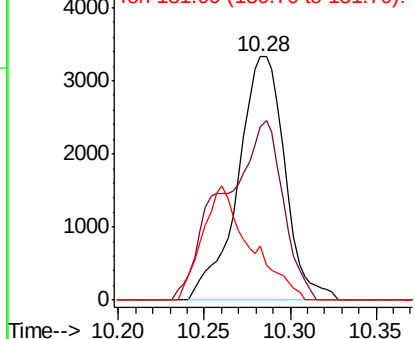


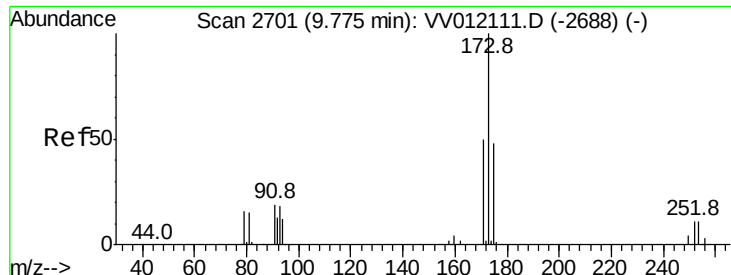
#57
1,1,2,2-Tetrachloroethane
Concen: 2.695 ug/L
RT: 10.28 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VV012114.D
Acq: 06 Aug 2019 15:07

Tgt Ion: 83 Resp: 6351
Ion Ratio Lower Upper
83 100
85 70.9 44.6 82.8
131 22.2 9.3 13.9#



Abundance Ion 83.00 (82.70 to 83.70): VV012111.D (-2848) (-)
Ion 85.00 (84.70 to 85.70): VV012111.D (-2848) (-)
Ion 131.00 (130.70 to 131.70): VV012111.D (-2848) (-)

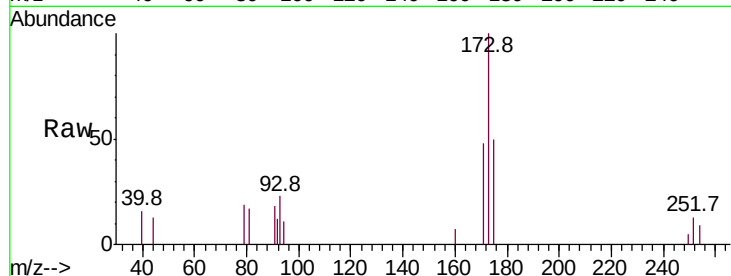




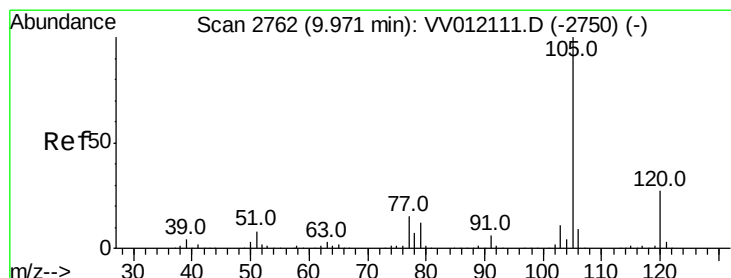
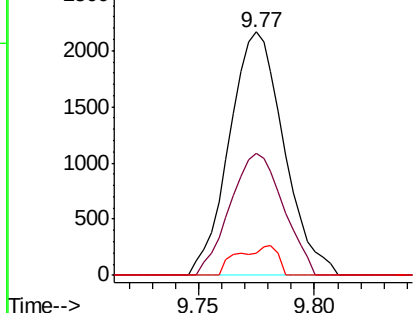
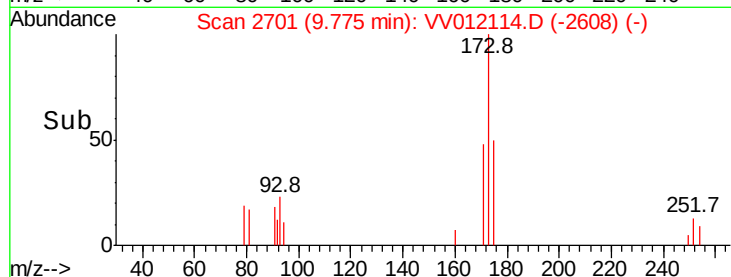
#59
Bromoform
Concen: 2.413 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VV012114.D
Acq: 06 Aug 2019 15:07

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:173 Resp: 3542
Ion Ratio Lower Upper
173 100
175 48.9 38.3 57.5
254 5.0 8.9 13.3#

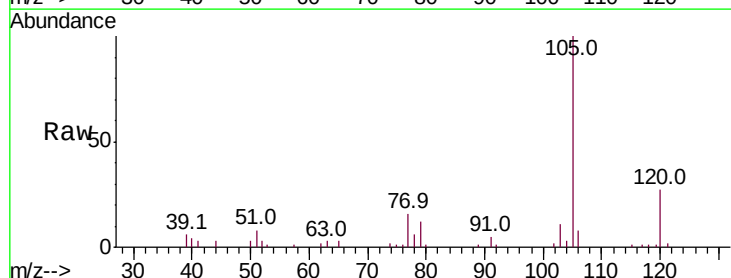


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

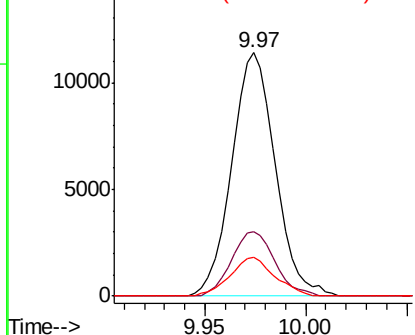
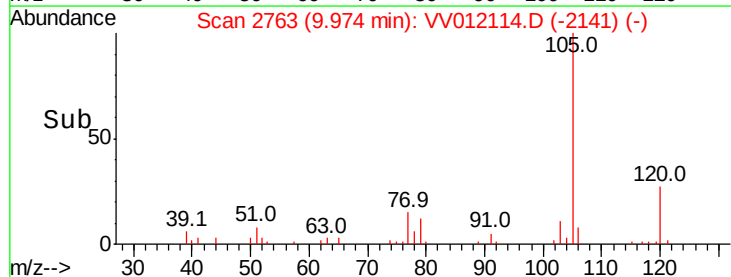


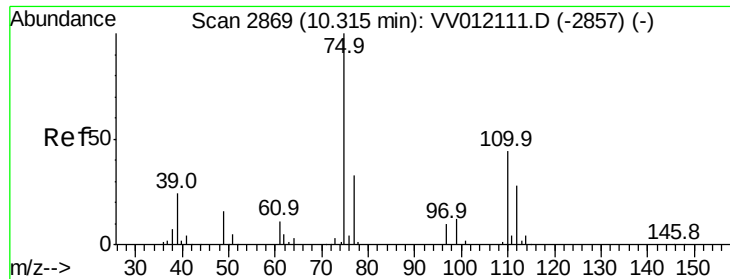
#60
Isopropylbenzene
Concen: 2.512 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. -0.00 min
Lab File: VV012114.D
Acq: 06 Aug 2019 15:07

Tgt Ion:105 Resp: 17203
Ion Ratio Lower Upper
105 100
120 26.3 21.4 32.0
77 16.4 11.6 17.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): VV0

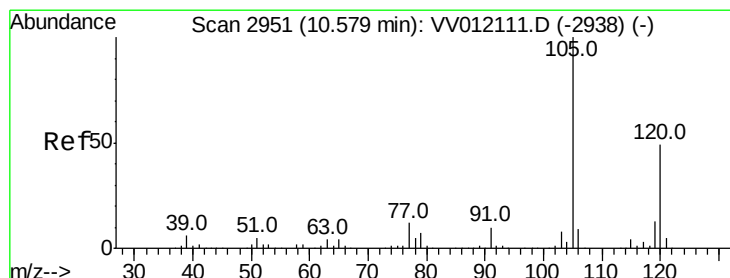
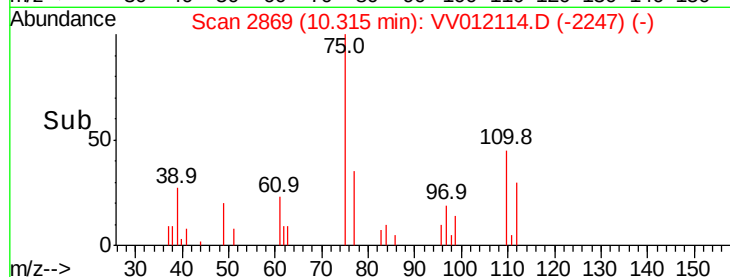
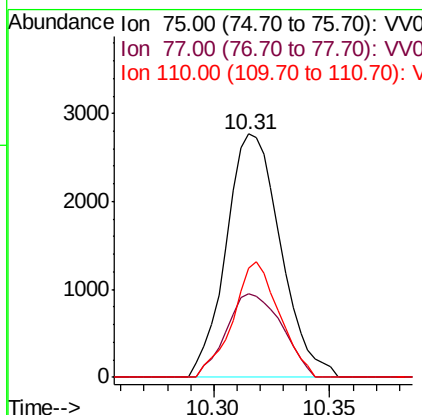
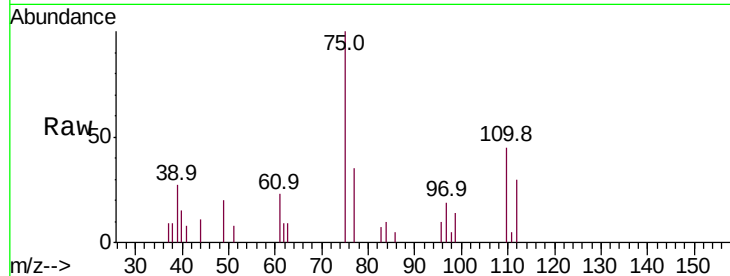




#61
 1,2,3-Trichloropropane
 Concen: 2.657 ug/L
 RT: 10.31 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VV012114.D
 Acq: 06 Aug 2019 15:07

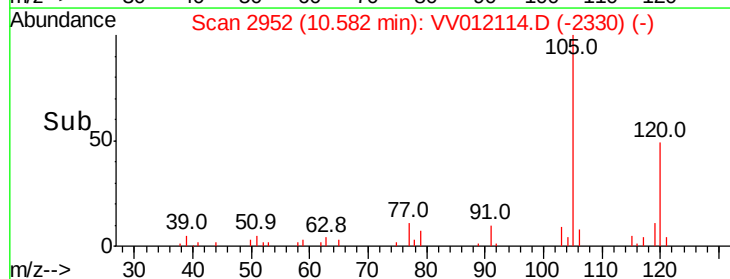
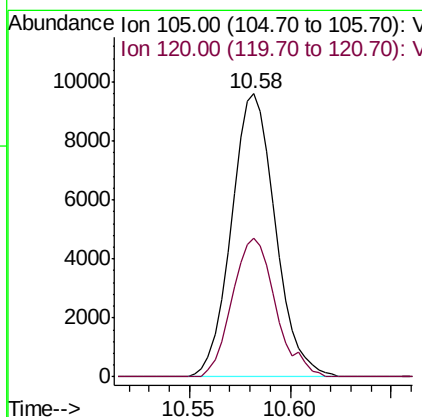
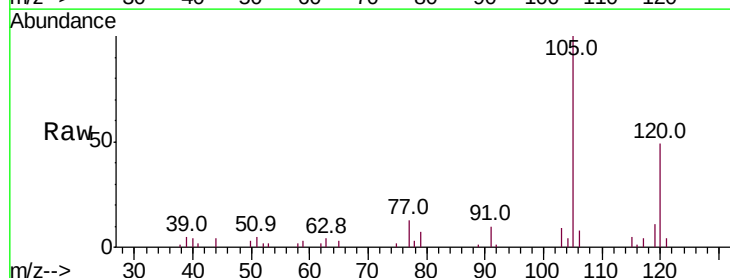
Instrument :
 MSVOA_V
 ClientSampleId :

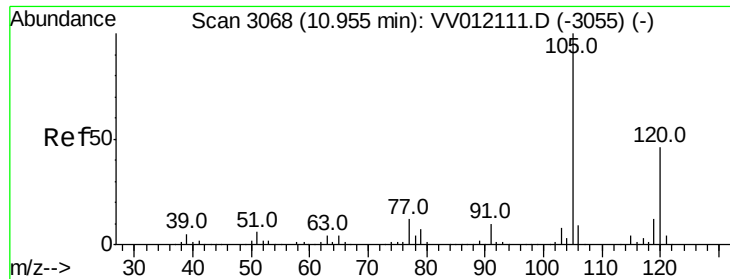
Tot Ion: 75 Resp: 4515
 Ion Ratio Lower Upper
 75 100
 77 34.9 25.7 38.5
 110 40.3 34.2 51.4



#62
 1,3,5-Trimethylbenzene
 Concen: 2.474 ug/L
 RT: 10.58 min Scan# 2952
 Delta R.T. -0.00 min
 Lab File: VV012114.D
 Acq: 06 Aug 2019 15:07

Tgt Ion: 105 Resp: 14651
 Ion Ratio Lower Upper
 105 100
 120 48.2 39.2 58.8

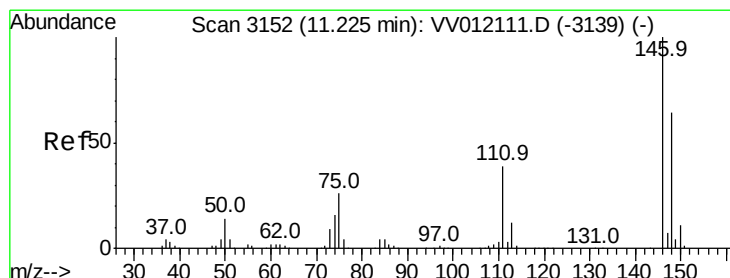
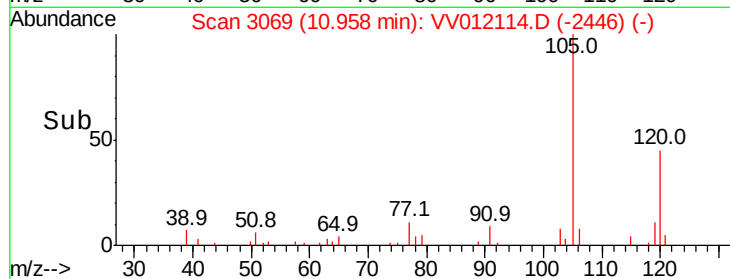
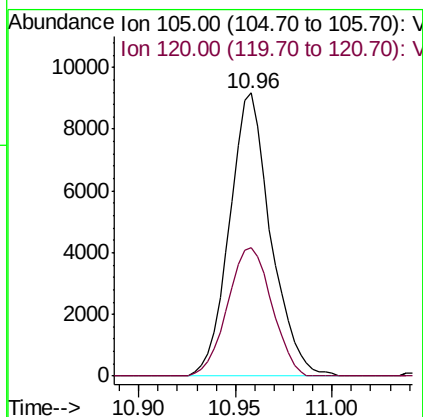
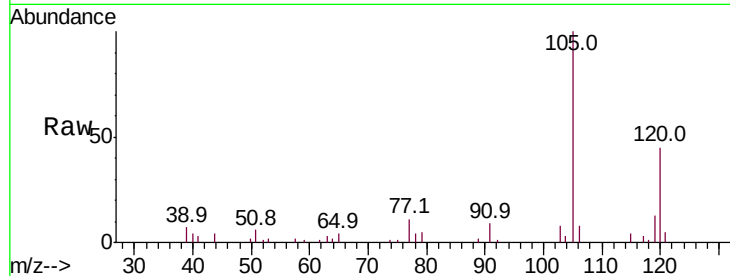




#63
 1,2,4-Trimethylbenzene
 Concen: 2.325 ug/L
 RT: 10.96 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VV012114.D
 Acq: 06 Aug 2019 15:07

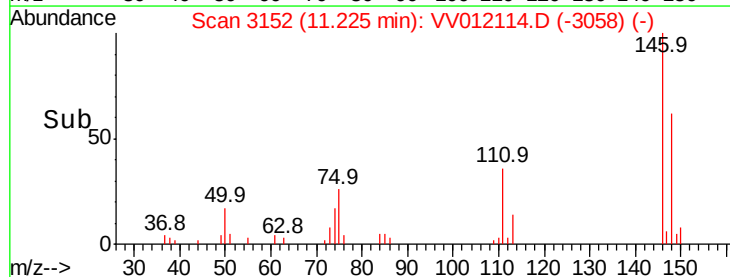
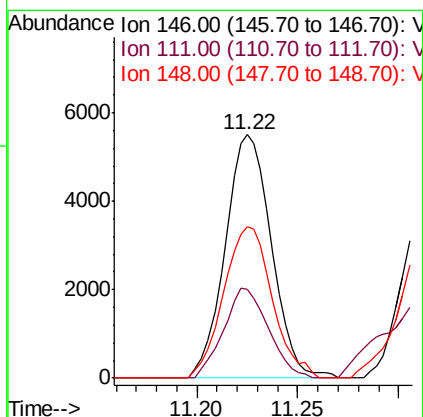
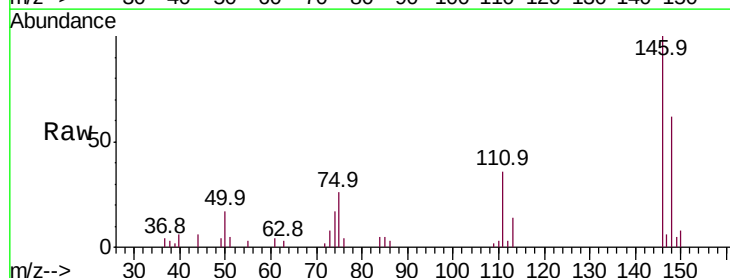
Instrument :
 MSVOA_V
 ClientSampled :

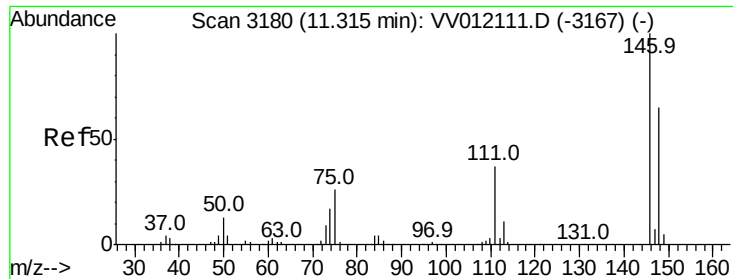
Tot Ion:105 Resp: 13590
 Ion Ratio Lower Upper
 105 100
 120 48.6 36.7 55.1



#64
 1,3-Dichlorobenzene
 Concen: 2.549 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV012114.D
 Acq: 06 Aug 2019 15:07

Tgt Ion:146 Resp: 8809
 Ion Ratio Lower Upper
 146 100
 111 36.3 26.8 49.8
 148 62.4 44.6 82.8

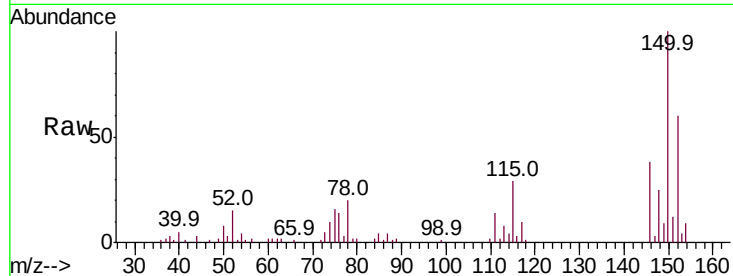




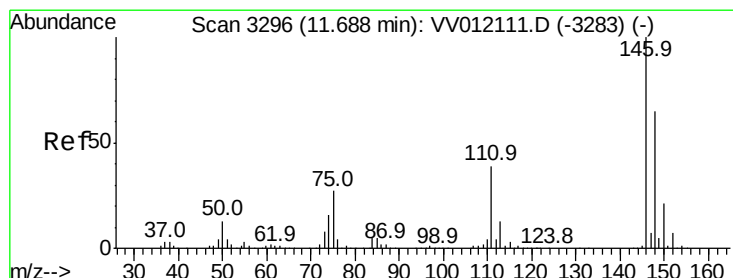
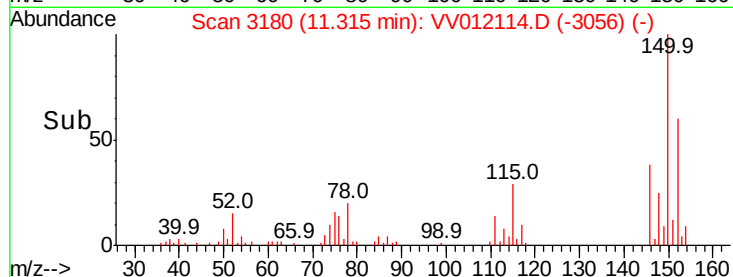
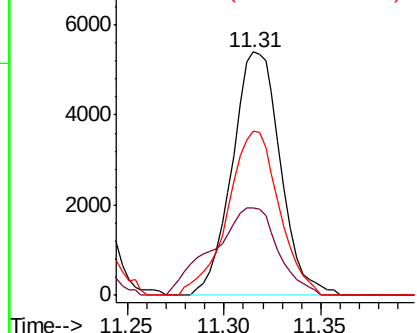
#65
 1,4-Dichlorobenzene
 Concen: 2.678 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: VV012114.D
 Acq: 06 Aug 2019 15:07

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:146 Resp: 9357
 Ion Ratio Lower Upper
 146 100
 111 36.0 25.8 47.8
 148 67.3 45.2 84.0

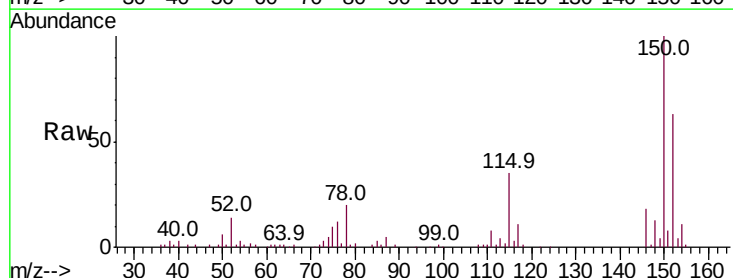


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

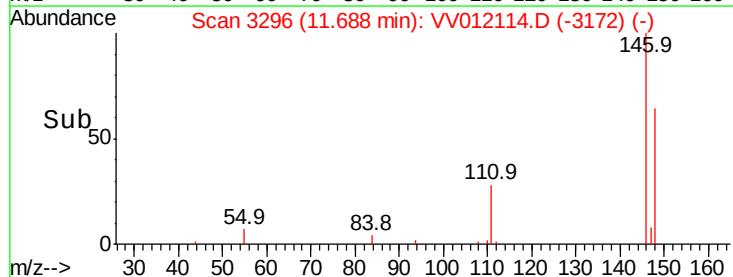
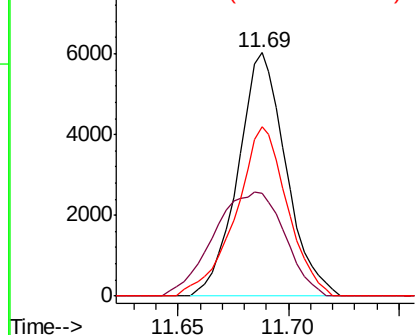


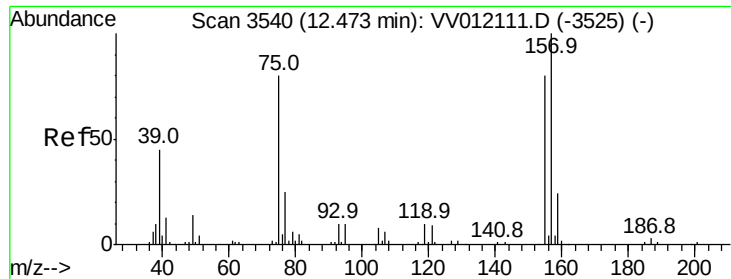
#67
 1,2-Dichlorobenzene
 Concen: 2.591 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012114.D
 Acq: 06 Aug 2019 15:07

Tgt Ion:146 Resp: 9136
 Ion Ratio Lower Upper
 146 100
 111 42.3 32.2 48.2
 148 69.8 53.2 79.8



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

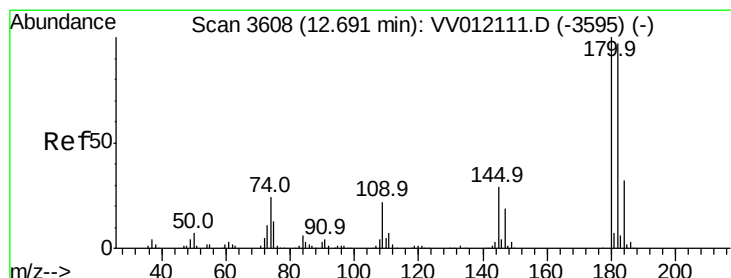
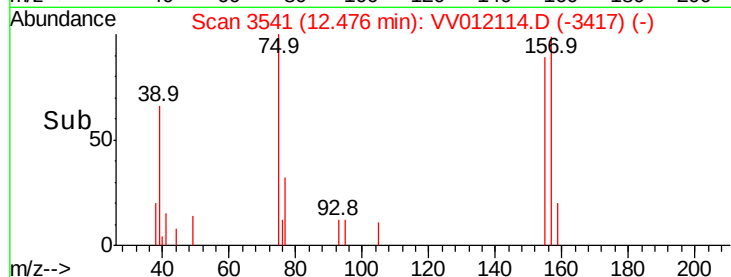
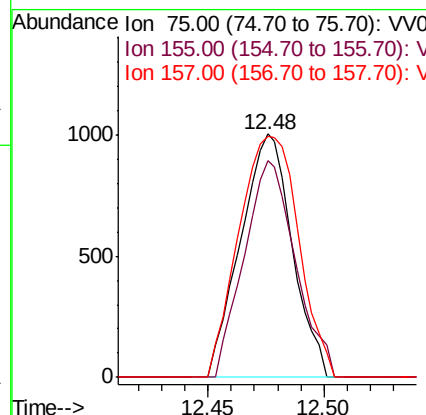
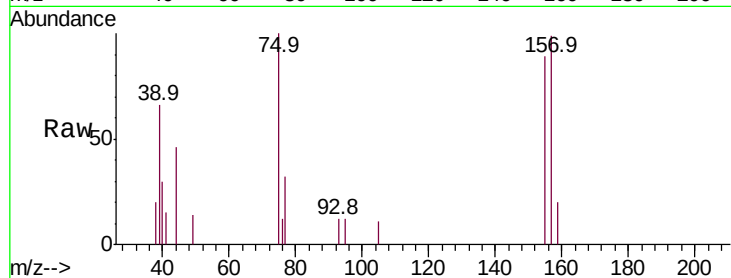




#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.775 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. -0.00 min
 Lab File: VV012114.D
 Acq: 06 Aug 2019 15:07

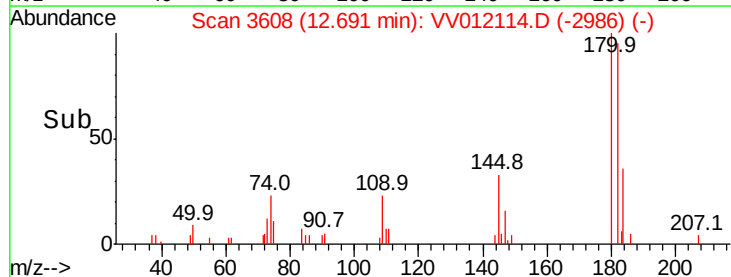
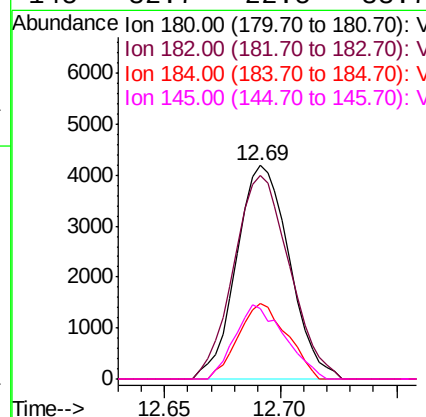
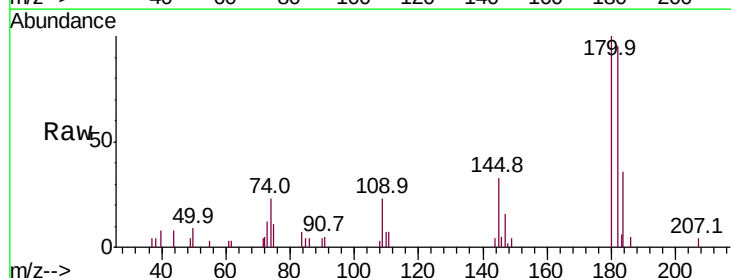
Instrument :
 MSVOA_V
 ClientSampled :

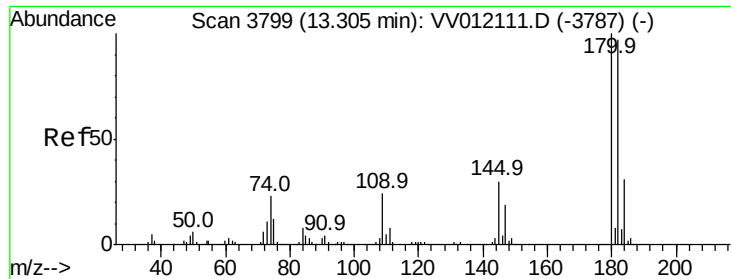
Tot Ion: 75 Resp: 1554
 Ion Ratio Lower Upper
 75 100
 155 89.2 81.2 121.8
 157 98.9 102.3 153.5#



#69
 1,3,5-Trichlorobenzene
 Concen: 2.368 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012114.D
 Acq: 06 Aug 2019 15:07

Tgt Ion:180 Resp: 6635
 Ion Ratio Lower Upper
 180 100
 182 100.3 76.5 114.7
 184 32.5 24.6 36.8
 145 32.7 22.5 33.7

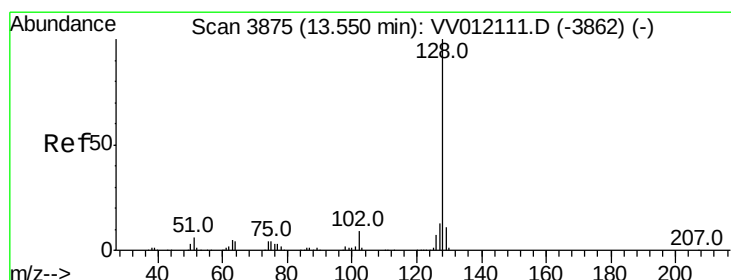
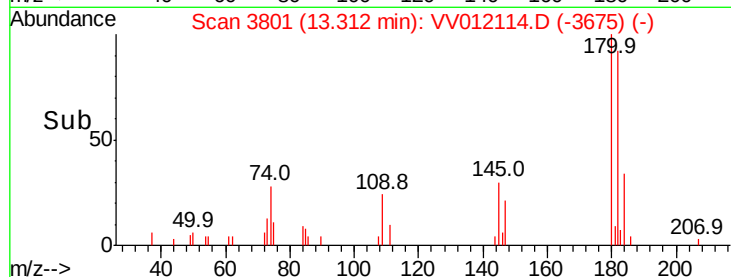
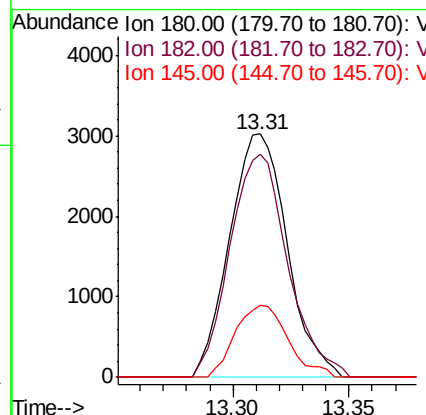
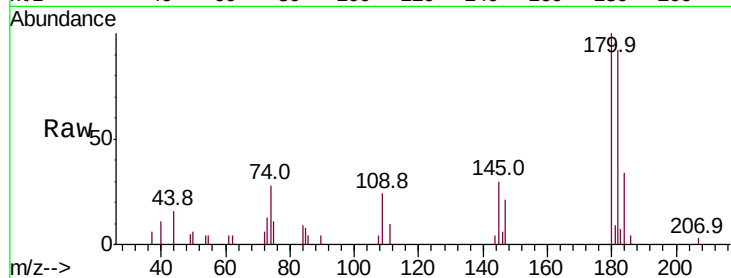




#70
 1,2,4-trichlorobenzene
 Concen: 2.143 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.01 min
 Lab File: VV012114.D
 Acq: 06 Aug 2019 15:07

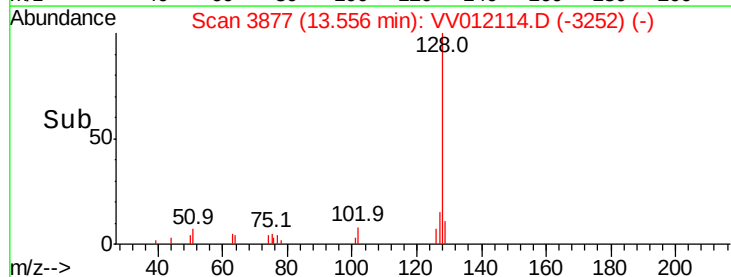
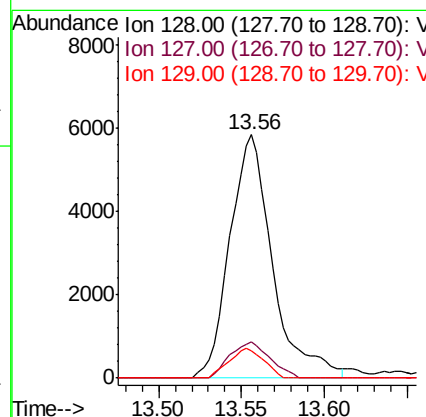
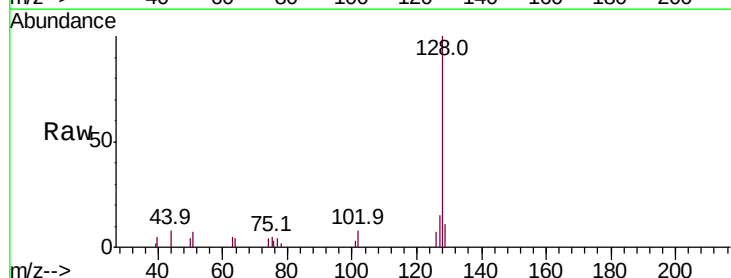
Instrument :
 MSVOA_V
 ClientSampleId :

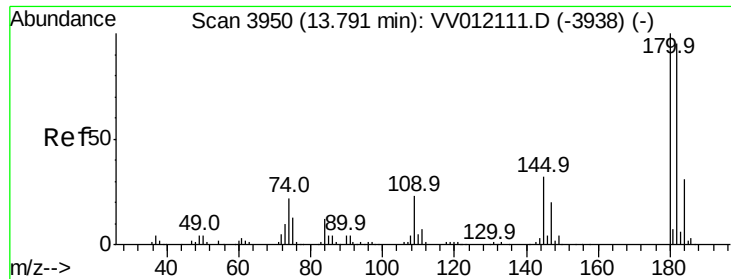
Tot Ion:180 Resp: 5205
 Ion Ratio Lower Upper
 180 100
 182 92.2 76.5 114.7
 145 27.1 23.3 34.9



#71
 Naphthalene
 Concen: 1.702 ug/L
 RT: 13.56 min Scan# 3877
 Delta R.T. 0.01 min
 Lab File: VV012114.D
 Acq: 06 Aug 2019 15:07

Tgt Ion:128 Resp: 10481
 Ion Ratio Lower Upper
 128 100
 127 14.0 10.6 15.8
 129 9.9 8.6 12.8

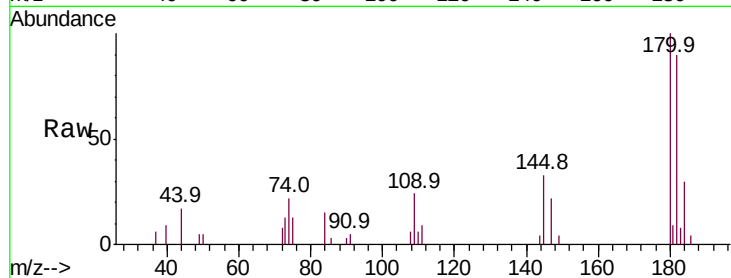




#72
 1,2,3-Trichlorobenzene
 Concen: 2.049 ug/L
 RT: 13.79 min Scan# 3951
 Delta R.T. 0.00 min
 Lab File: VV012114.D
 Acq: 06 Aug 2019 15:07

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 5008
 Ion Ratio Lower Upper
 180 100
 182 91.5 77.2 115.8
 145 31.1 24.6 36.8



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

