

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080619\
 Data File : VV012116.D
 Acq On : 06 Aug 2019 15:56
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.00µ/5.0mL/100µL/5mL/MSVOA_V/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 06 18:24:46 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	265491	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	245474	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	123674	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	66976	46.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.30%
7) Chloroethane-d5	1.58	69	46854	45.48	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.96%
11) 1,1-Dichloroethene-d2	2.13	63	91044	36.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.38%
21) 2-Butanone-d5	3.92	46	120642	114.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.09%
24) Chloroform-d	4.40	84	176293	48.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.84%
26) 1,2-Dichloroethane-d4	5.08	65	119636	51.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.28%
32) Benzene-d6	5.10	84	352640	49.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.84%
36) 1,2-Dichloropropane-d6	6.12	67	102664	50.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.34%
41) Toluene-d8	7.36	98	336639	49.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.86%
43) trans-1,3-Dichloropropene-	7.66	79	58054	49.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.80%
47) 2-Hexanone-d5	8.13	63	92984	109.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.42%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	144604	50.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.28%
66) 1,2-Dichlorobenzene-d4	11.67	152	149842	51.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4353	2.321 ug/L	96
3) Chloromethane	1.25	50	3519	2.643 ug/L	100
5) Vinyl chloride	1.32	62	2953	2.298 ug/L #	26
6) Bromomethane	1.53	94	1910	2.560 ug/L	83
8) Chloroethane	1.60	64	1489	2.212 ug/L	87
9) Trichlorofluoromethane	1.77	101	4756	2.276 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3059	2.986 ug/L #	78
12) 1,1-Dichloroethene	2.14	96	2691	2.790 ug/L #	1
13) Acetone	2.19	43	3552	4.927 ug/L	84
14) Carbon disulfide	2.32	76	7491	2.298 ug/L #	95
15) Methyl Acetate	2.46	43	2989	2.369 ug/L	96
16) Methylene chloride	2.54	84	3904	2.668 ug/L	85
17) trans-1,2-Dichloroethene	2.79	96	3032	2.226 ug/L	100
18) Methyl tert-butyl Ether	2.80	73	10565	2.257 ug/L	96
19) 1,1-Dichloroethane	3.23	63	5807	2.338 ug/L	94
20) cis-1,2-Dichloroethene	3.96	96	3905	2.434 ug/L	88
22) 2-Butanone	4.03	43	3370	3.627 ug/L	81

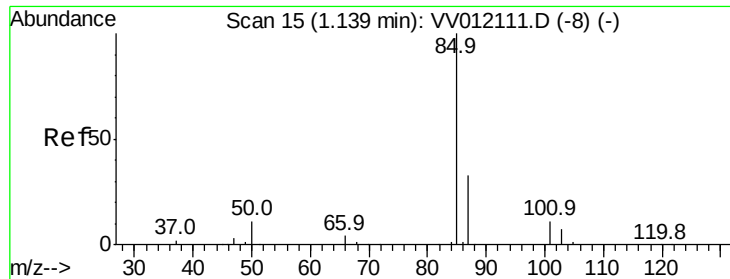
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080619\
 Data File : VV012116.D
 Acq On : 06 Aug 2019 15:56
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.00µ/5.0mL/100µL/5mL/MSVOA_V/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 06 18:24:46 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)
23) Bromochloromethane	4.30	128	1913	2.169	ug/L	96
25) Chloroform	4.43	83	7461	2.650	ug/L	90
27) 1,2-Dichloroethane	5.18	62	5464	2.497	ug/L #	91
29) Cyclohexane	4.72	56	4802	2.339	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	6488	2.488	ug/L	94
31) Carbon tetrachloride	4.88	117	5595	2.313	ug/L	93
33) Benzene	5.15	78	13856	2.452	ug/L	100
34) Trichloroethene	5.96	95	3681	2.344	ug/L	91
35) Methylcyclohexane	6.18	83	5013	2.144	ug/L	89
37) 1,2-Dichloropropane	6.22	63	3589	2.604	ug/L #	84
38) Bromodichloromethane	6.56	83	4675	2.156	ug/L #	94
39) cis-1,3-Dichloropropene	7.07	75	5845	2.405	ug/L	92
40) 4-Methyl-2-pentanone	7.27	43	8220	4.634	ug/L	99
42) Toluene	7.43	91	15969	2.543	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	5022	2.189	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	3511	2.363	ug/L	86
46) Tetrachloroethene	8.02	164	3445	2.354	ug/L	97
48) 2-Hexanone	8.18	43	6372	4.765	ug/L #	91
49) Dibromochloromethane	8.29	129	4407	2.286	ug/L	96
50) 1,2-Dibromoethane	8.40	107	3935	2.395	ug/L #	93
51) Chlorobenzene	8.92	112	10624	2.510	ug/L	94
52) Ethylbenzene	9.06	91	16224	2.303	ug/L	100
53) m,p-Xylene	9.18	106	6369	2.343	ug/L	86
54) o-Xylene	9.59	106	5947	2.205	ug/L	91
55) Styrene	9.60	104	9864	2.171	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.28	83	6552	2.868	ug/L #	90
59) Bromoform	9.77	173	3147	2.169	ug/L #	95
60) Isopropylbenzene	9.97	105	16827	2.485	ug/L	98
61) 1,2,3-Trichloropropane	10.32	75	4398	2.619	ug/L	95
62) 1,3,5-Trimethylbenzene	10.58	105	13269	2.267	ug/L	98
63) 1,2,4-Trimethylbenzene	10.96	105	14045	2.431	ug/L	98
64) 1,3-Dichlorobenzene	11.23	146	8327	2.438	ug/L	94
65) 1,4-Dichlorobenzene	11.32	146	8896	2.576	ug/L	97
67) 1,2-Dichlorobenzene	11.69	146	8607	2.469	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.48	75	1259	2.275	ug/L	92
69) 1,3,5-Trichlorobenzene	12.69	180	6331	2.286	ug/L	97
70) 1,2,4-trichlorobenzene	13.31	180	4729	1.970	ug/L	94
71) Naphthalene	13.55	128	9425	1.549	ug/L	97
72) 1,2,3-Trichlorobenzene	13.79	180	4812	1.992	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 2.321 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012116.D

Acq: 06 Aug 2019 15:56

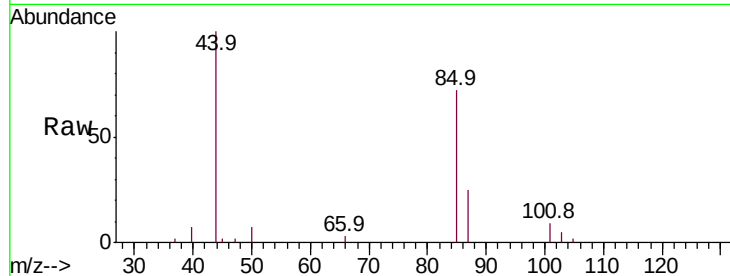
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 4353

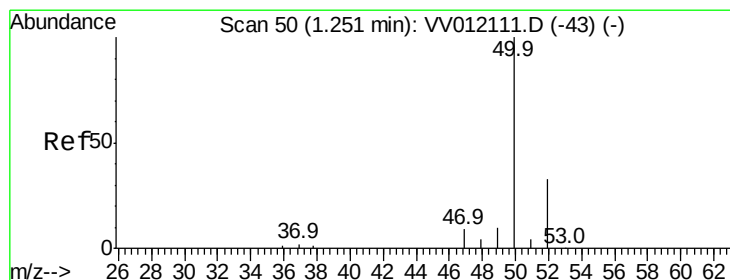
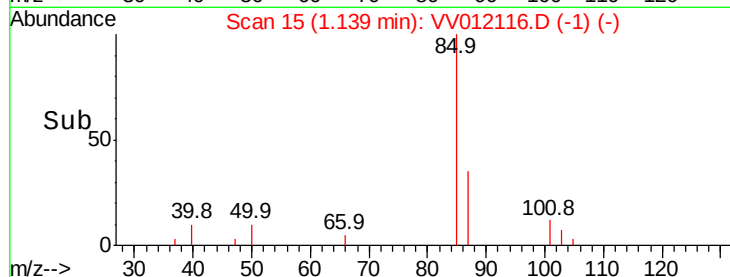
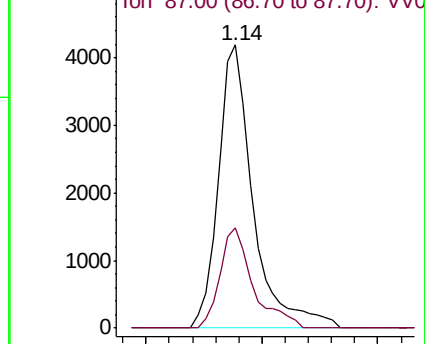
Ion Ratio Lower Upper

85 100

87 33.7 25.3 37.9



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



#3

Chloromethane

Concen: 2.643 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012116.D

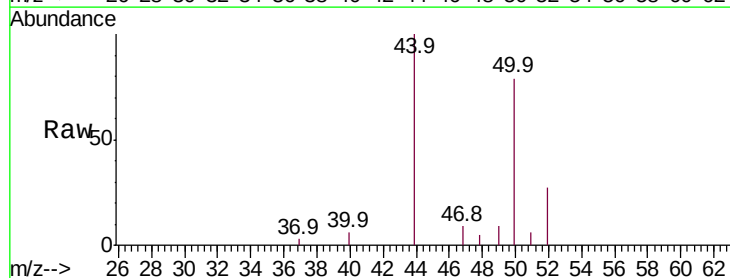
Acq: 06 Aug 2019 15:56

Tgt Ion: 50 Resp: 3519

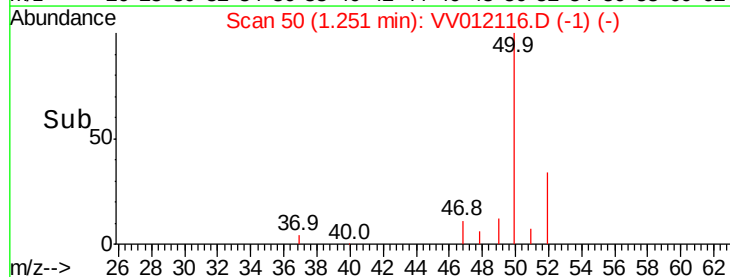
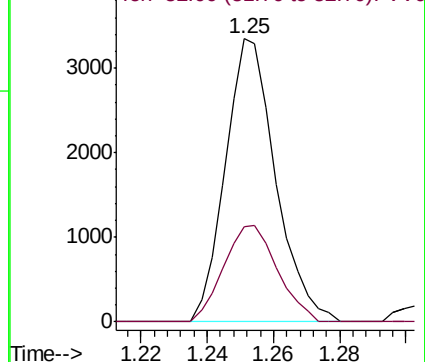
Ion Ratio Lower Upper

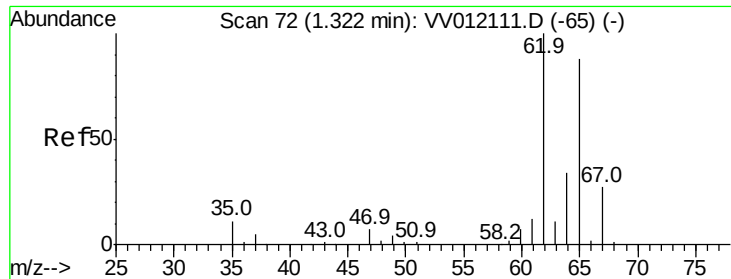
50 100

52 33.9 23.9 44.3



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





#5

Vinyl chloride

Concen: 2.298 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012116.D

Acq: 06 Aug 2019 15:56

Instrument :

MSVOA_V

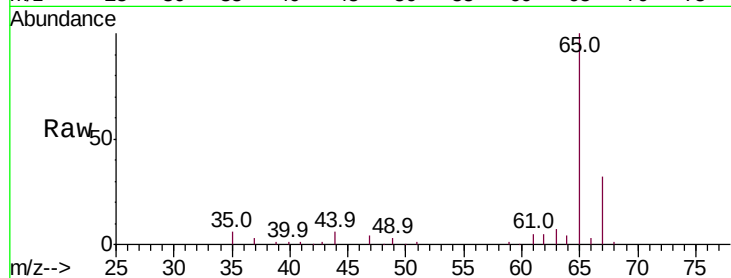
ClientSampleId :

Tot Ion: 62 Resp: 2953

Ion Ratio Lower Upper

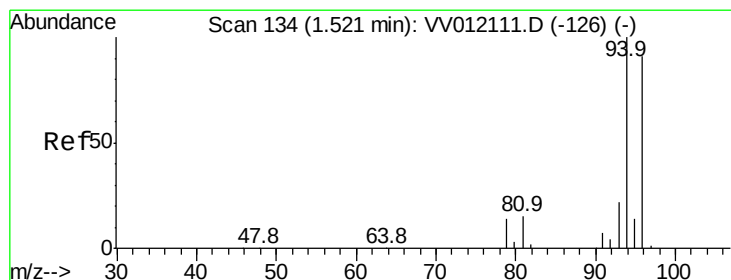
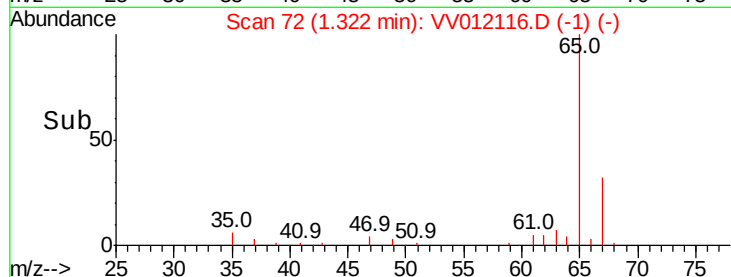
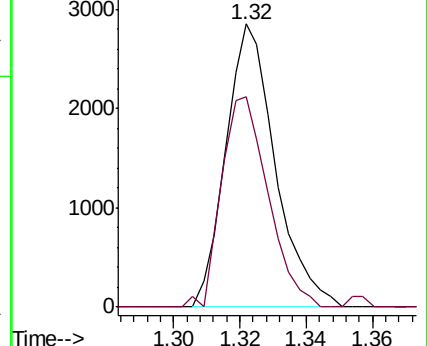
62 100

64 74.4 23.0 42.8#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.560 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.01 min

Lab File: VV012116.D

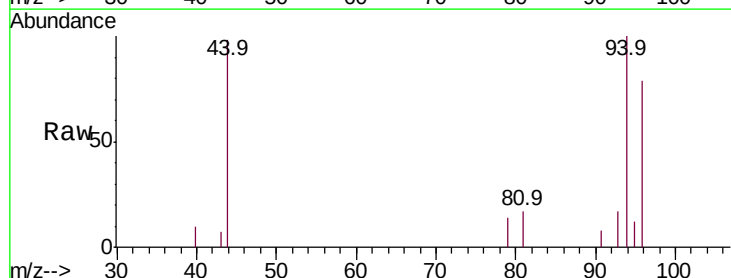
Acq: 06 Aug 2019 15:56

Tgt Ion: 94 Resp: 1910

Ion Ratio Lower Upper

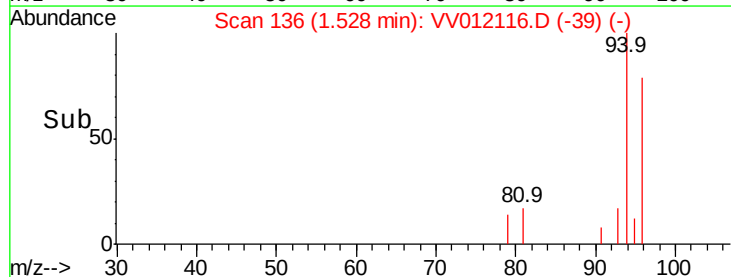
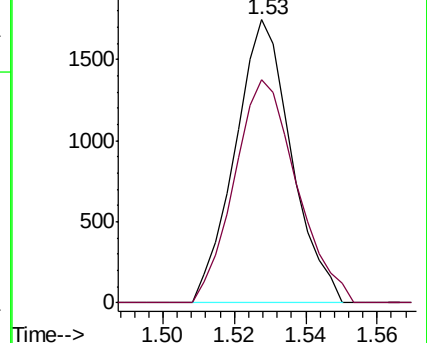
94 100

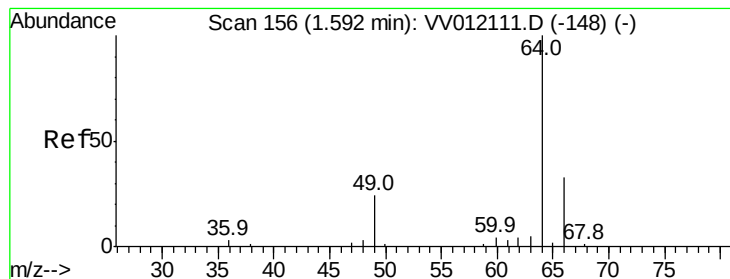
96 78.9 66.8 124.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.212 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.02 min

Lab File: VV012116.D

Acq: 06 Aug 2019 15:56

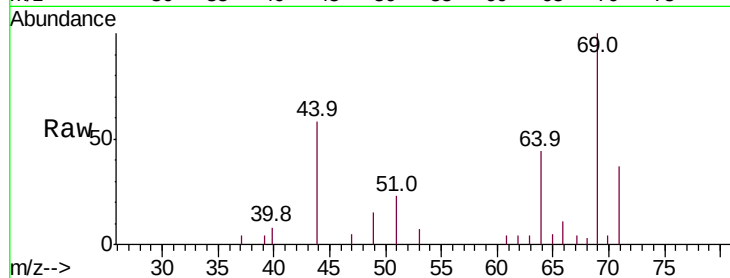
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 1489

Ion Ratio Lower Upper

64 100

66 25.3 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV012111.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV012111.D (-148) (-)

1.60

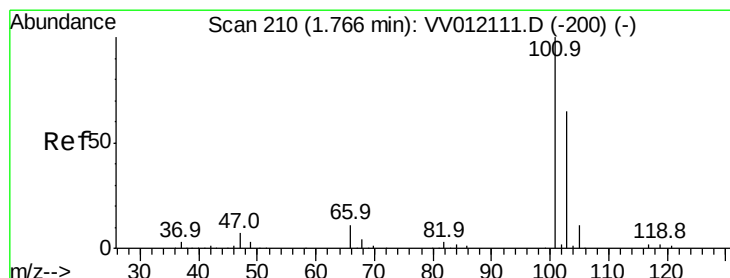
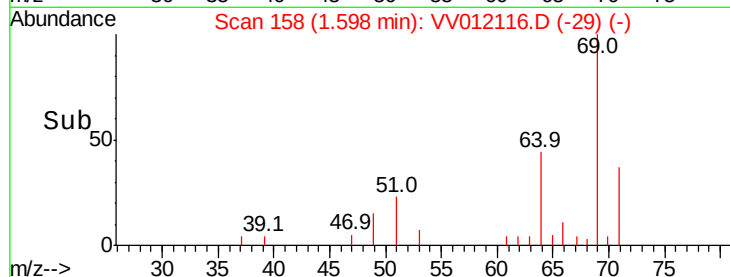
1500

1000

500

0

Time-->



#9

Trichlorofluoromethane

Concen: 2.276 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.01 min

Lab File: VV012116.D

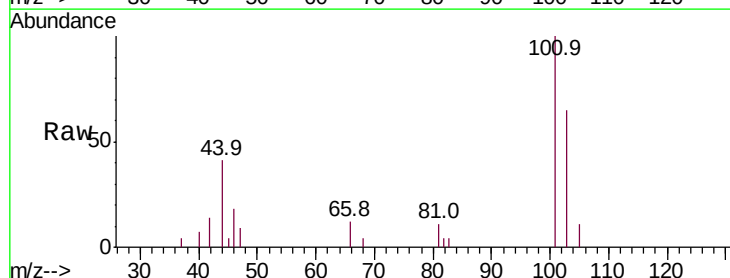
Acq: 06 Aug 2019 15:56

Tgt Ion: 101 Resp: 4756

Ion Ratio Lower Upper

101 100

103 62.8 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV012111.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV012111.D (-200) (-)

1.77

4000

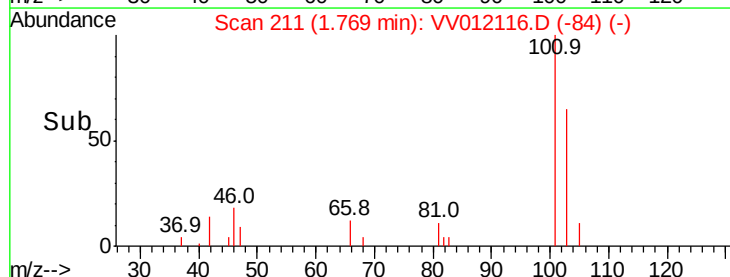
3000

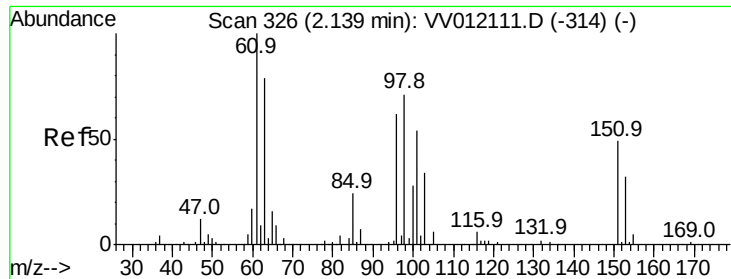
2000

1000

0

Time-->





#10

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

Concen: 2.986 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV012116.D

Acq: 06 Aug 2019 15:56

Instrument :

MSVOA_V

ClientSampleId :

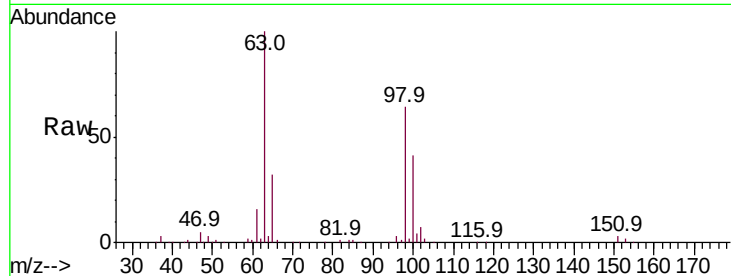
Tot Ion:101 Resp: 3059

Ion Ratio Lower Upper

101 100

85 21.9 34.4 51.6#

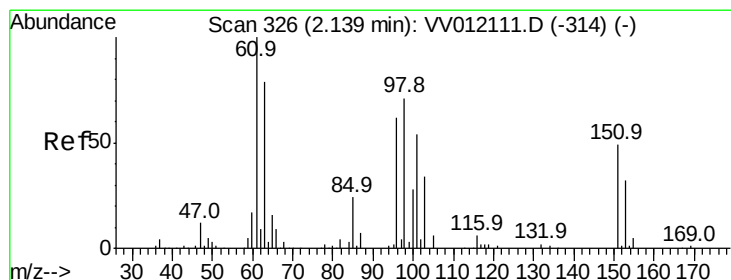
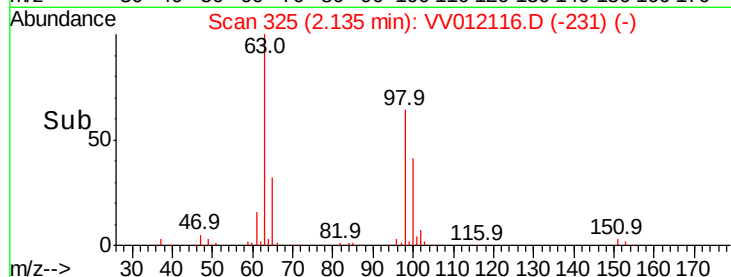
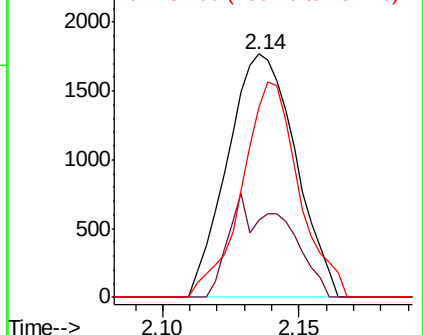
151 73.9 72.2 108.2



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: 2.790 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012116.D

Acq: 06 Aug 2019 15:56

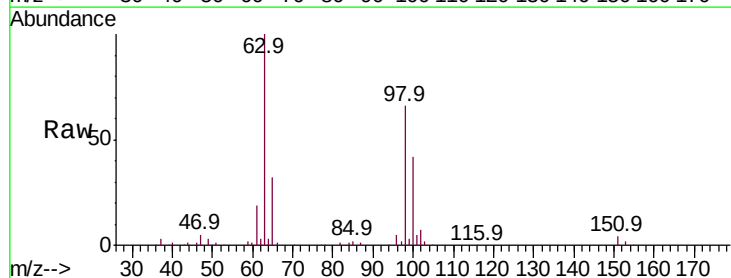
Tgt Ion: 96 Resp: 2691

Ion Ratio Lower Upper

96 100

61 418.4 120.0 223.0#

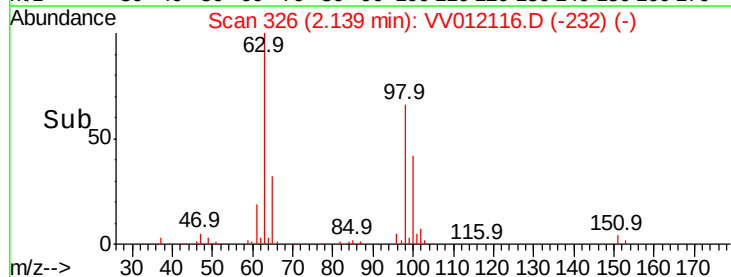
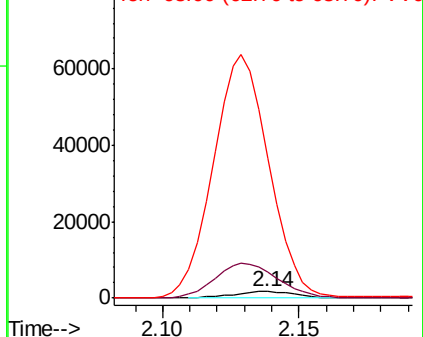
63 2219.9 98.3 182.7#

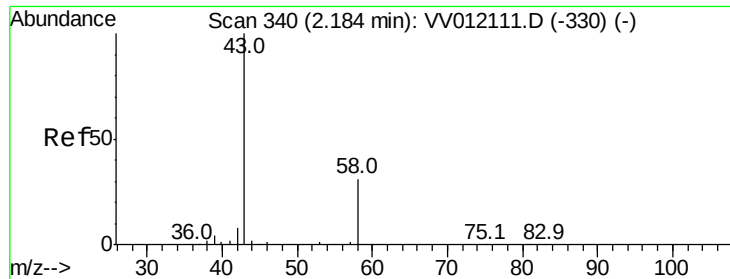


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 4.927 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV012116.D

Acq: 06 Aug 2019 15:56

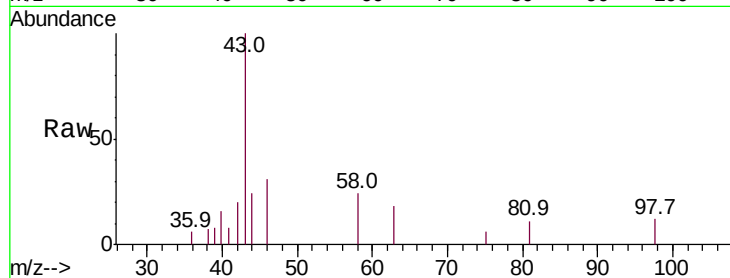
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 3552

Ion Ratio Lower Upper

43 100

58 20.8 0.0 59.2



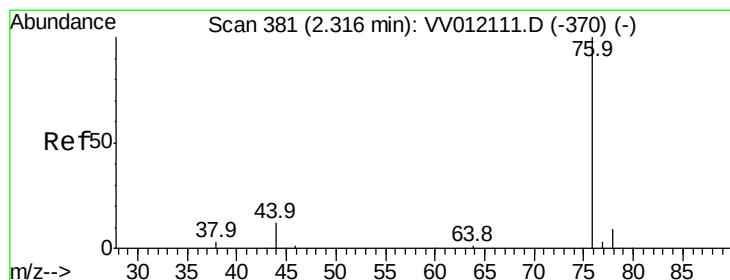
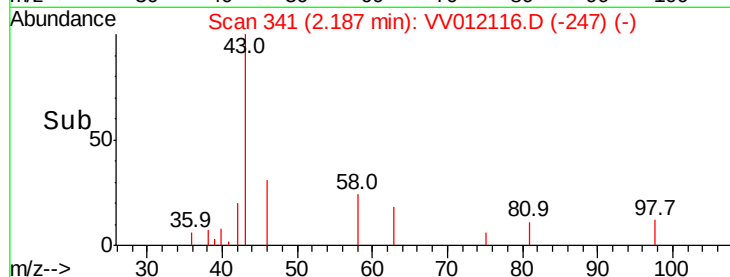
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.19

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 2.298 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV012116.D

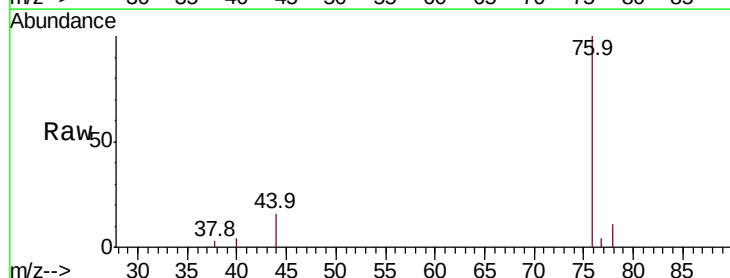
Acq: 06 Aug 2019 15:56

Tgt Ion: 76 Resp: 7491

Ion Ratio Lower Upper

76 100

78 10.8 7.1 10.7#



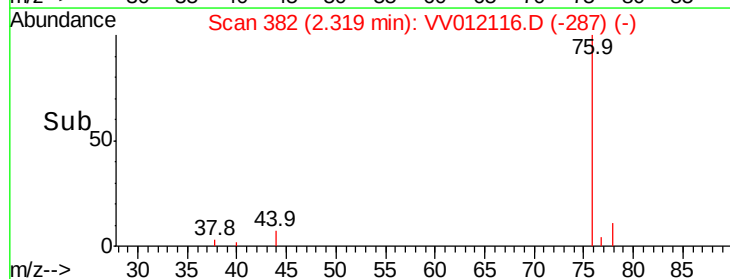
Abundance Ion 76.00 (75.70 to 76.70): VV0

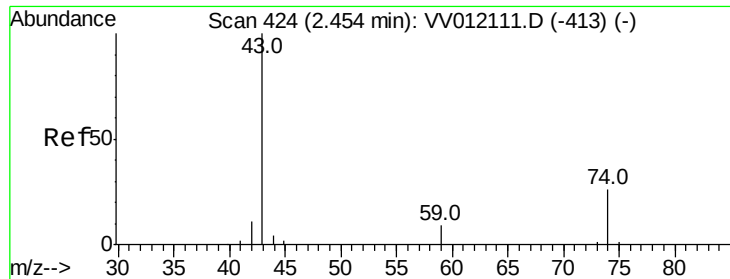
Ion 78.00 (77.70 to 78.70): VV0

2.32

2.30 2.35

Time-->

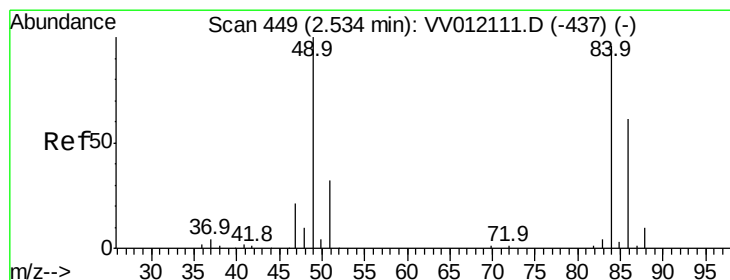
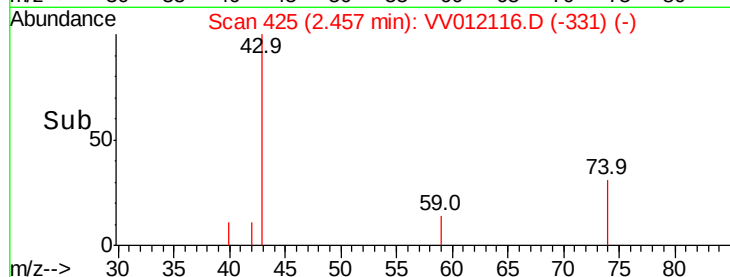
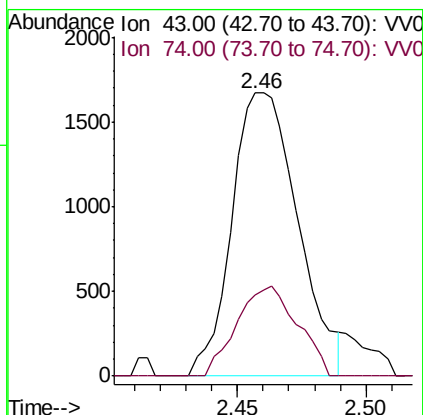
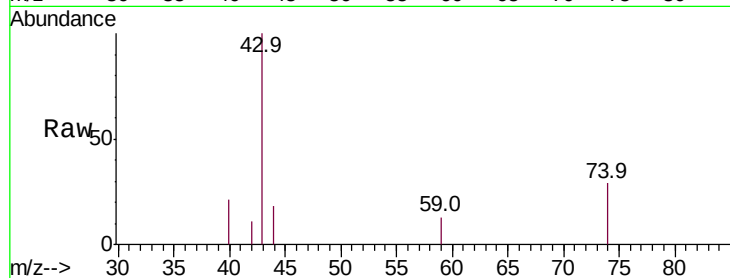




#15
Methvl Acetate
Concen: 2.369 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV012116.D
Acq: 06 Aug 2019 15:56

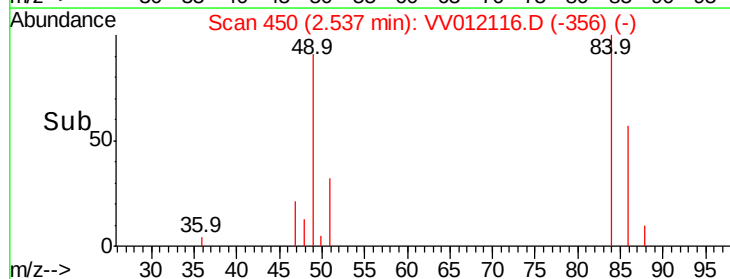
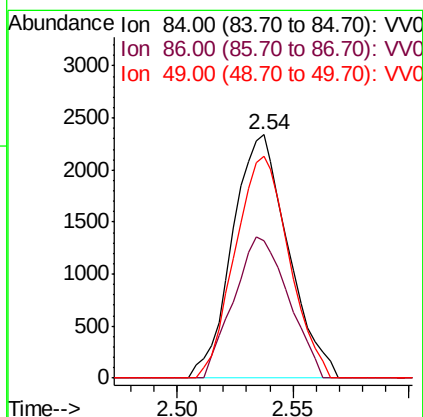
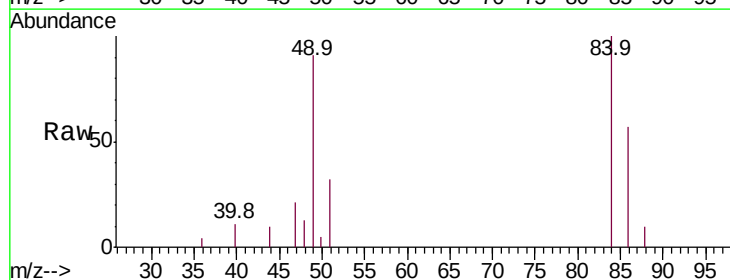
Instrument :
MSVOA_V
ClientSampleId :

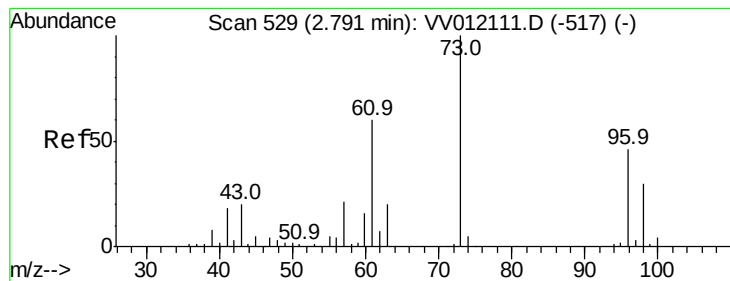
Tot Ion: 43 Resp: 2989
Ion Ratio Lower Upper
43 100
74 29.2 21.8 32.6



#16
Methylene chloride
Concen: 2.668 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV012116.D
Acq: 06 Aug 2019 15:56

Tgt Ion: 84 Resp: 3904
Ion Ratio Lower Upper
84 100
86 56.5 45.7 84.9
49 91.1 76.6 142.2





#17

trans-1,2-Dichloroethene

Concen: 2.226 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.01 min

Lab File: VV012116.D

Acq: 06 Aug 2019 15:56

Instrument :
MSVOA_V
ClientSampled :

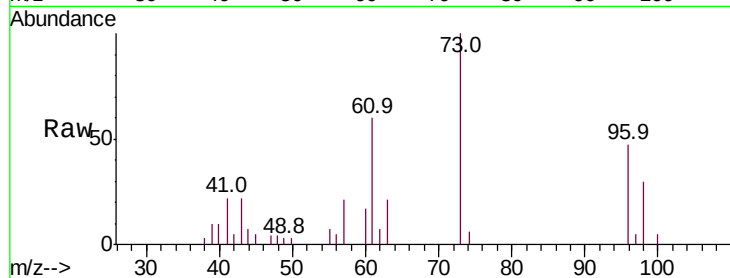
Tot Ion: 96 Resp: 3032

Ion Ratio Lower Upper

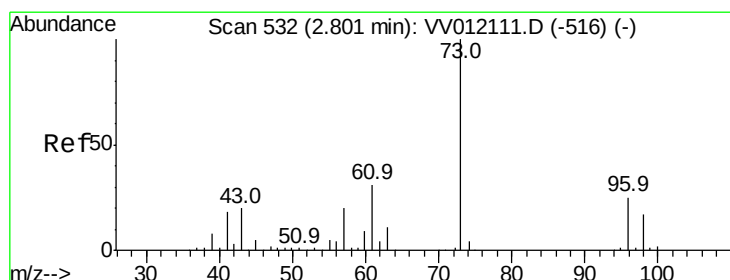
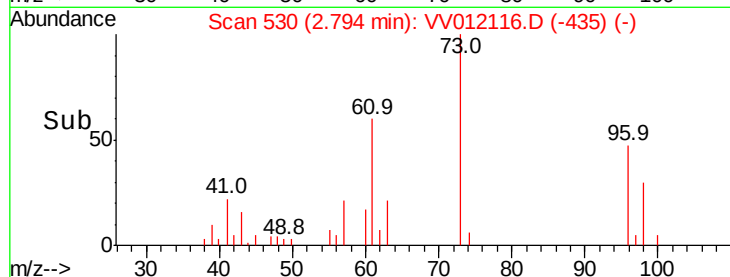
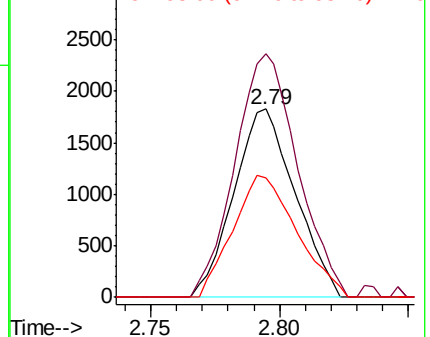
96 100

61 129.3 90.6 168.3

98 63.7 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: 2.257 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV012116.D

Acq: 06 Aug 2019 15:56

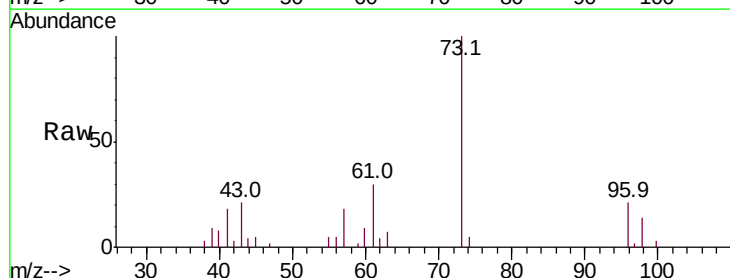
Tgt Ion: 73 Resp: 10565

Ion Ratio Lower Upper

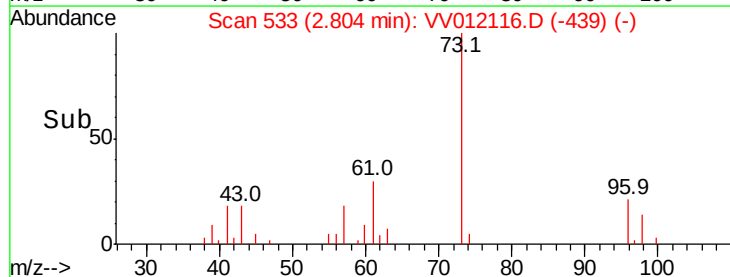
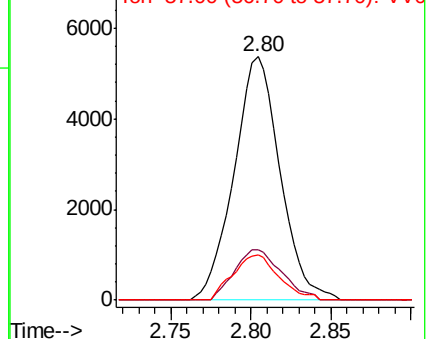
73 100

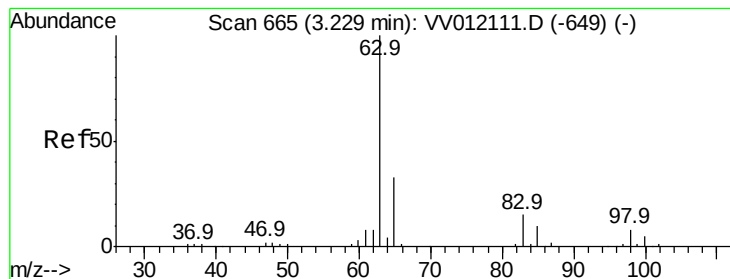
43 21.3 15.6 23.4

57 18.2 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: 2.338 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV012116.D

Acq: 06 Aug 2019 15:56

Instrument :
MSVOA_V
ClientSampleId :

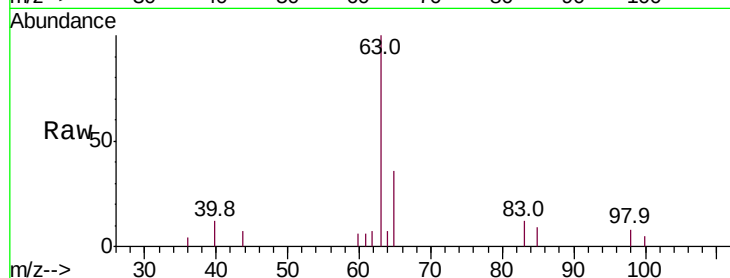
Tot Ion: 63 Resp: 5807

Ion	Ratio	Lower	Upper
63	100		
65	35.5	22.3	41.3
83	12.4	10.3	19.1

63 100

65 35.5 22.3 41.3

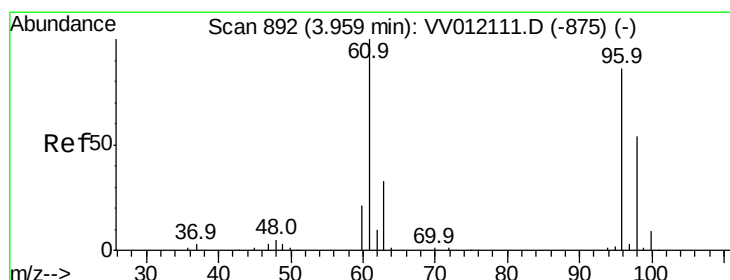
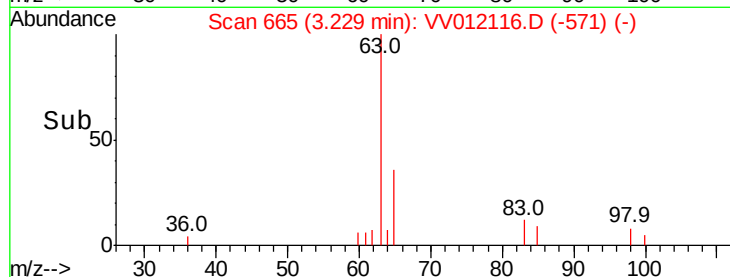
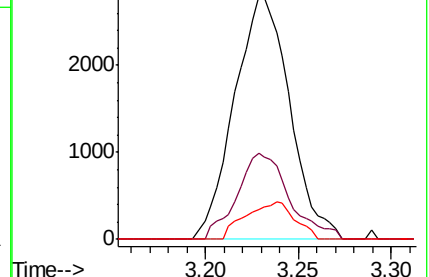
83 12.4 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VV012111.D (-649) (-)

Ion 65.00 (64.70 to 65.70): VV012111.D (-649) (-)

Ion 83.00 (82.70 to 83.70): VV012111.D (-649) (-)



#20

cis-1,2-Dichloroethene

Concen: 2.434 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV012116.D

Acq: 06 Aug 2019 15:56

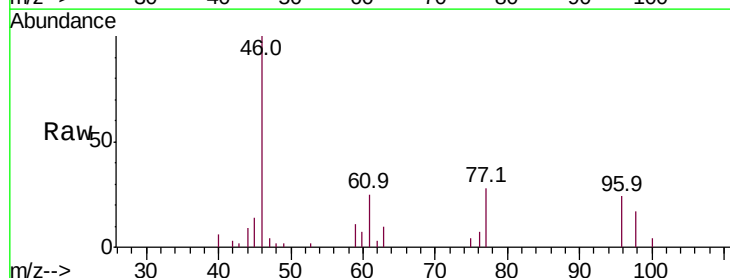
Tgt Ion: 96 Resp: 3905

Ion	Ratio	Lower	Upper
96	100		
61	101.8	80.0	148.6
68	0.0	0.0	0.0

96 100

61 101.8 80.0 148.6

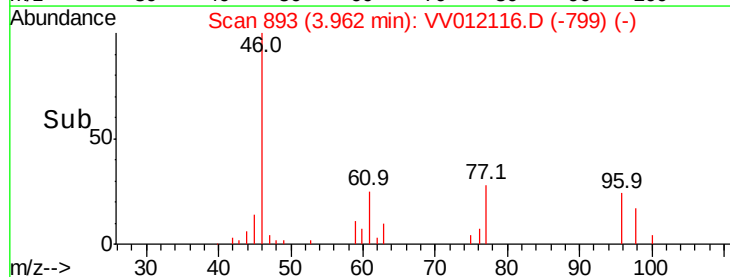
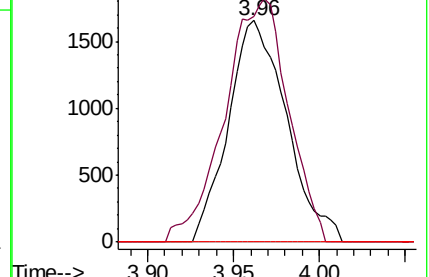
68 0.0 0.0 0.0

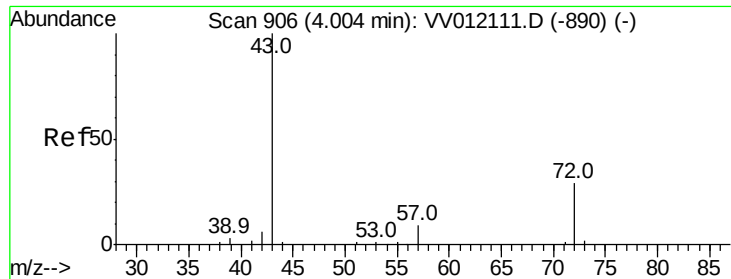


Abundance Ion 96.00 (95.70 to 96.70): VV012111.D (-875) (-)

Ion 61.00 (60.70 to 61.70): VV012111.D (-875) (-)

Ion 68.00 (67.70 to 68.70): VV012111.D (-875) (-)





#22

2-Butanone

Concen: 3.627 ug/L

RT: 4.03 min Scan# 913

Delta R.T. 0.02 min

Lab File: VV012116.D

Acq: 06 Aug 2019 15:56

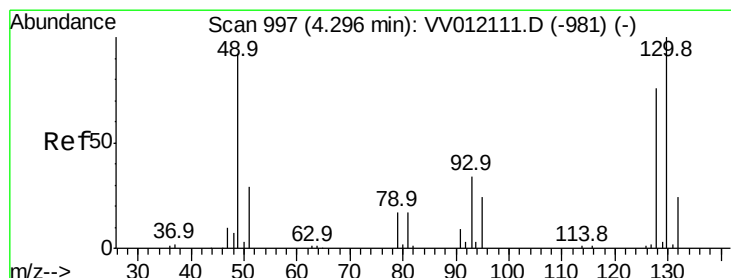
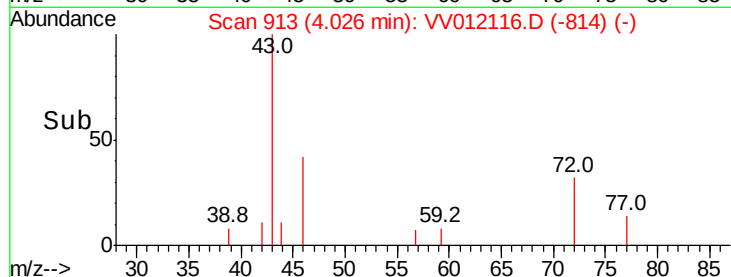
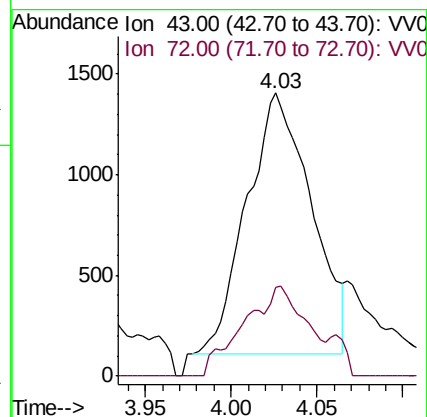
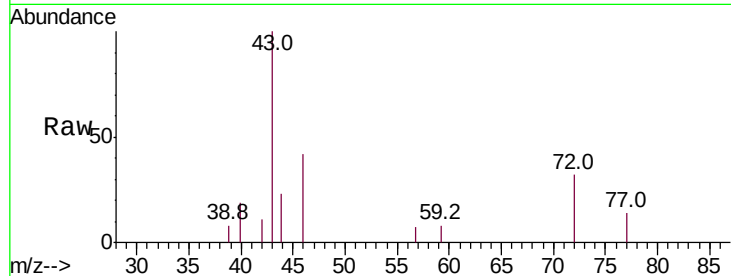
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 3370

Ion Ratio Lower Upper

43 100

72 19.6 15.0 45.0



#23

Bromochloromethane

Concen: 2.169 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.01 min

Lab File: VV012116.D

Acq: 06 Aug 2019 15:56

Tgt Ion: 128 Resp: 1913

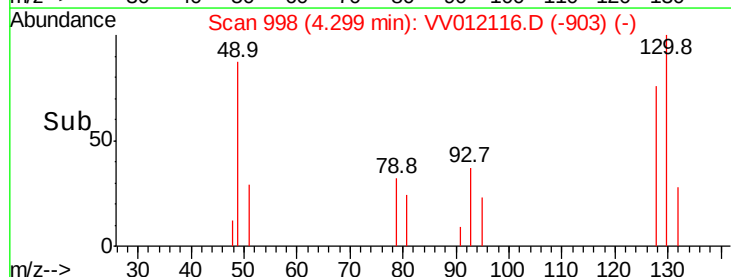
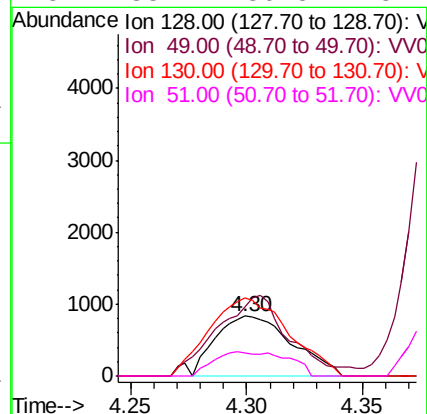
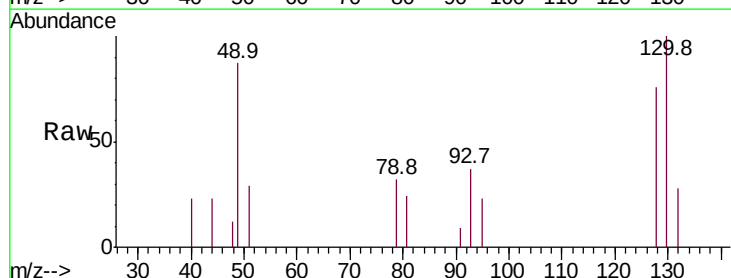
Ion Ratio Lower Upper

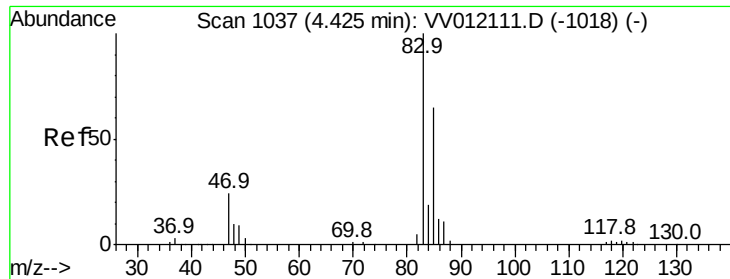
128 100

49 114.9 84.6 157.2

130 131.4 89.9 167.0

51 38.7 30.5 45.7

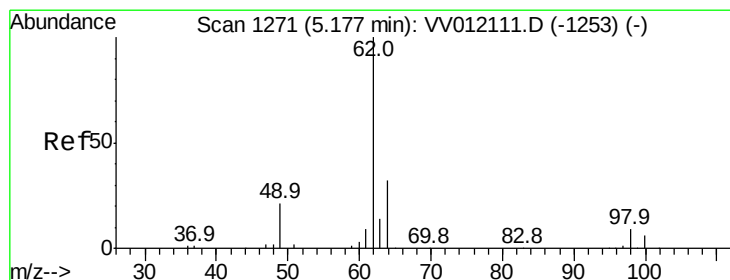
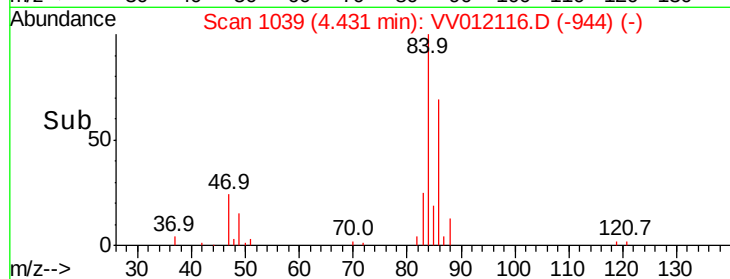
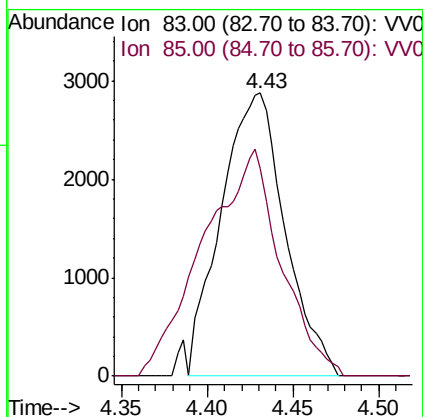
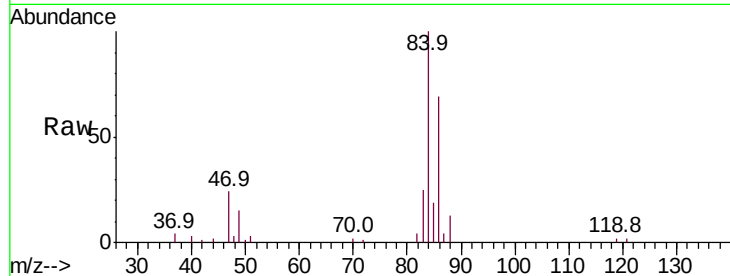




#25
Chloroform
Concen: 2.650 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VV012116.D
Acq: 06 Aug 2019 15:56

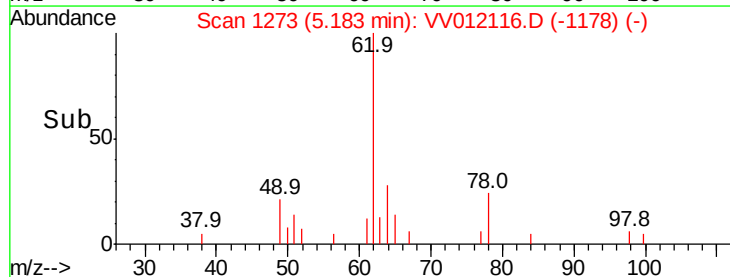
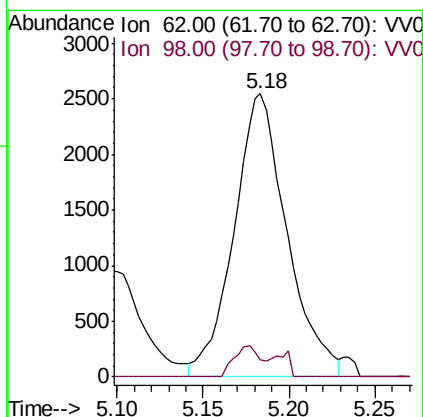
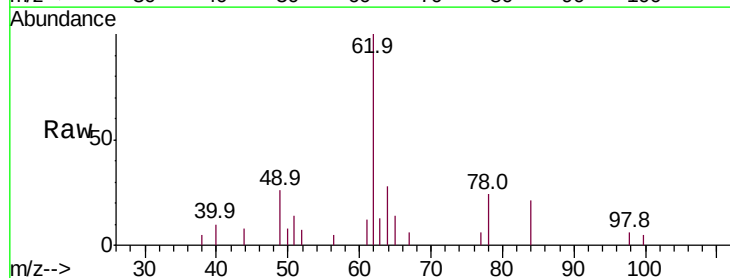
Instrument :
MSVOA_V
ClientSampleId :

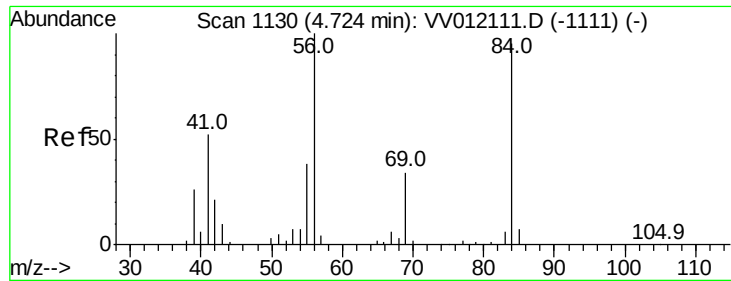
Tot Ion: 83 Resp: 7461
Ion Ratio Lower Upper
83 100
85 73.5 45.8 85.2



#27
1,2-Dichloroethane
Concen: 2.497 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VV012116.D
Acq: 06 Aug 2019 15:56

Tgt Ion: 62 Resp: 5464
Ion Ratio Lower Upper
62 100
98 6.1 7.5 11.3#

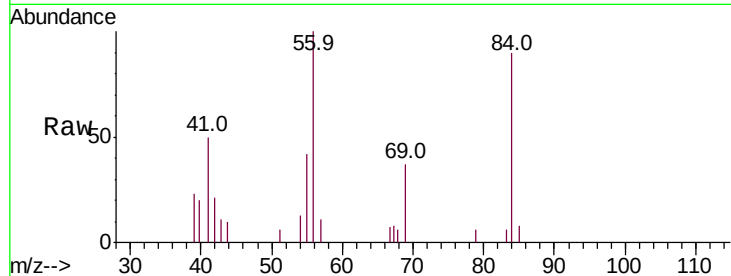




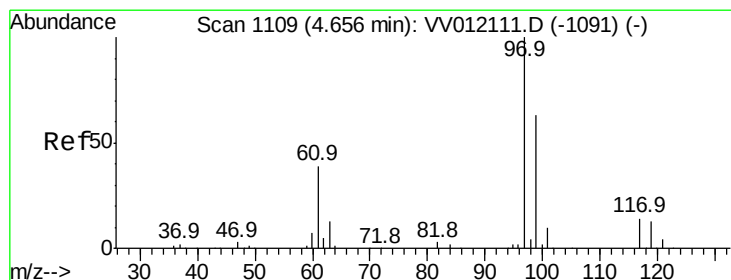
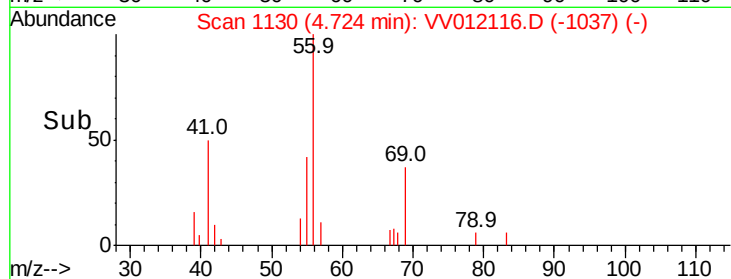
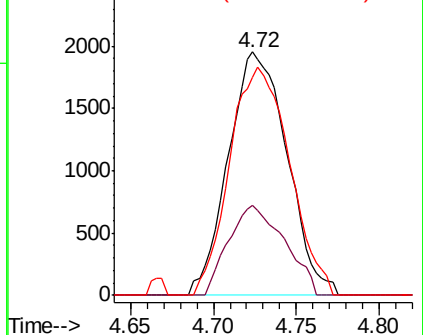
#29
Cyclohexane
Concen: 2.339 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV012116.D
Acq: 06 Aug 2019 15:56

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 56 Resp: 4802
Ion Ratio Lower Upper
56 100
69 35.3 25.8 38.8
84 95.9 76.0 114.0

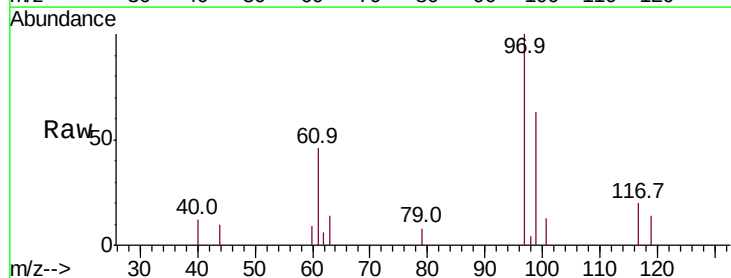


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

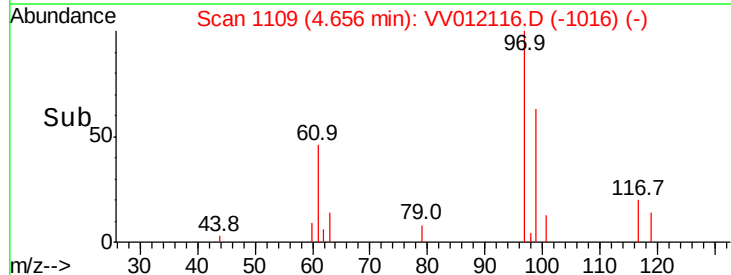
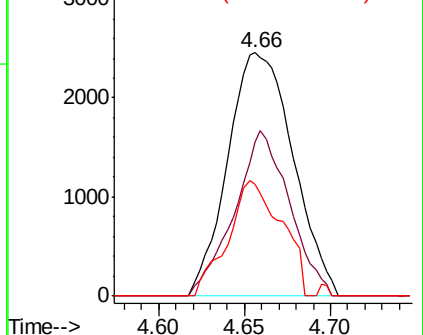


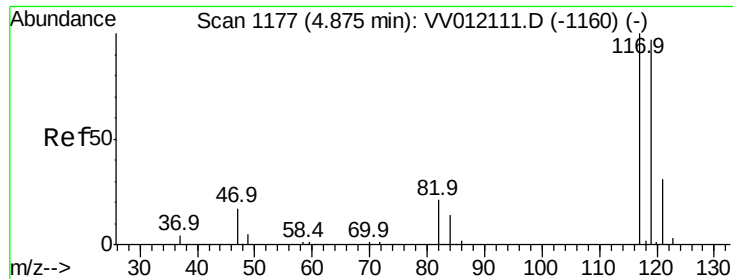
#30
1,1,1-Trichloroethane
Concen: 2.488 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VV012116.D
Acq: 06 Aug 2019 15:56

Tgt Ion: 97 Resp: 6488
Ion Ratio Lower Upper
97 100
99 57.2 51.1 76.7
61 38.8 31.3 46.9



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0

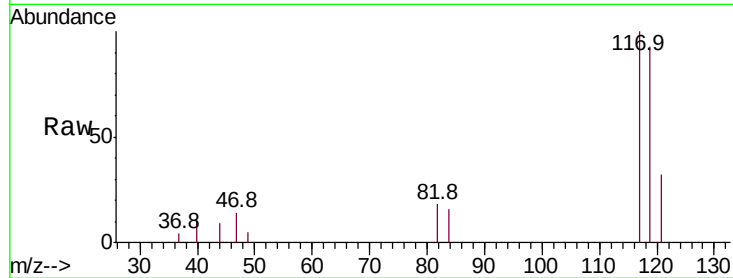




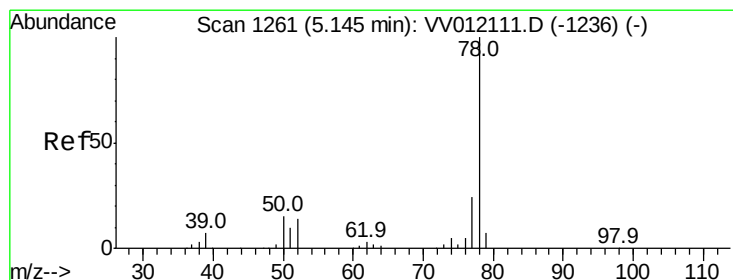
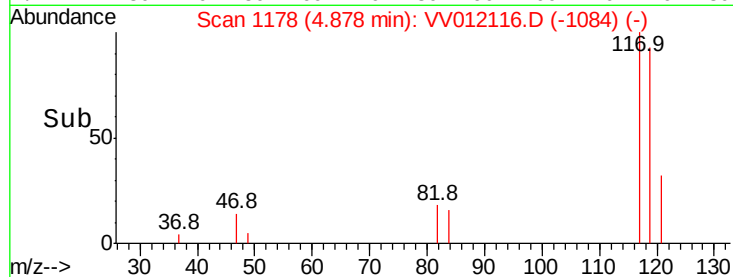
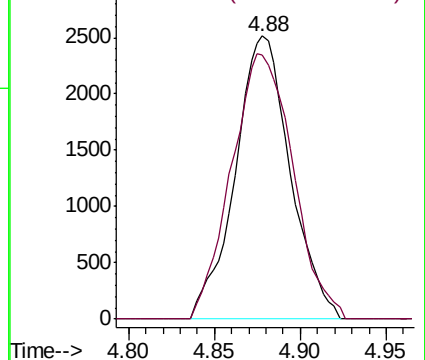
#31
Carbon tetrachloride
Concen: 2.313 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VV012116.D
Acq: 06 Aug 2019 15:56

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:117 Resp: 5595
Ion Ratio Lower Upper
117 100
119 104.8 78.2 117.4

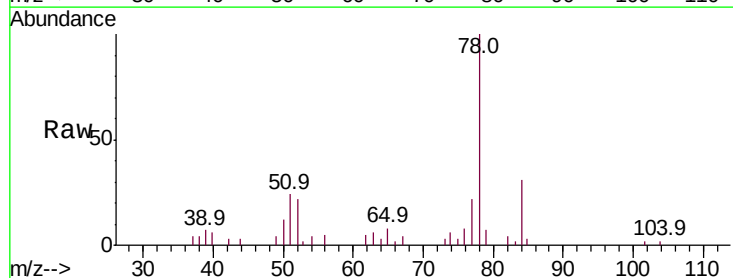


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V

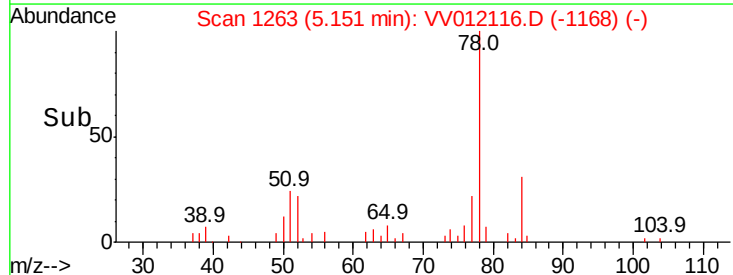
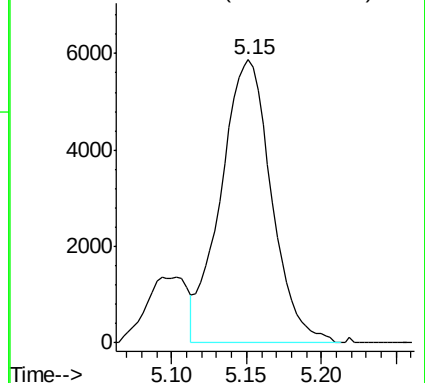


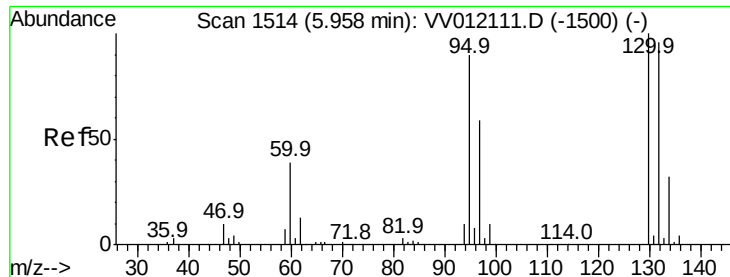
#33
Benzene
Concen: 2.452 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VV012116.D
Acq: 06 Aug 2019 15:56

Tgt Ion: 78 Resp: 13856



Abundance Ion 78.00 (77.70 to 78.70): VV0



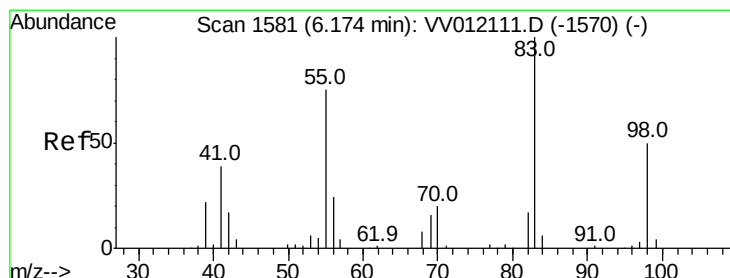
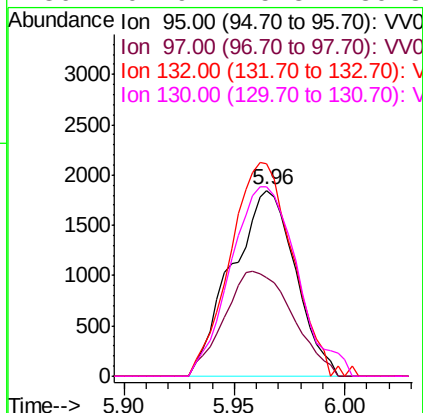
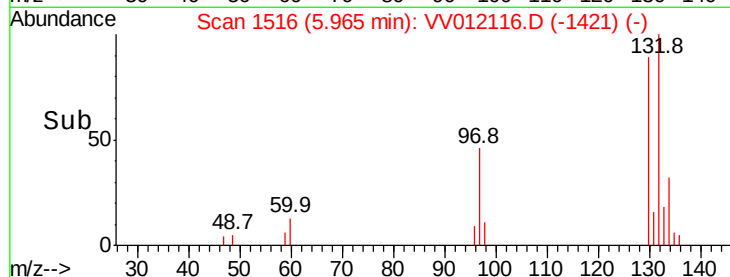
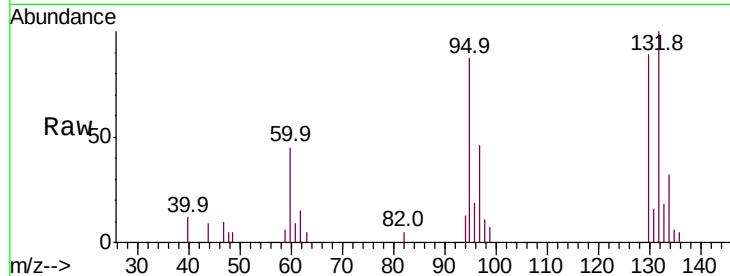


#34
 Trichloroethene
 Concen: 2.344 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.01 min
 Lab File: VV012116.D
 Acq: 06 Aug 2019 15:56

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 3681

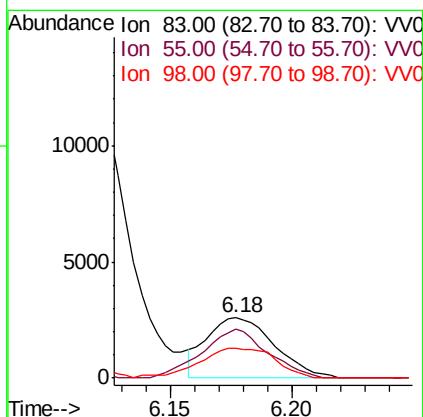
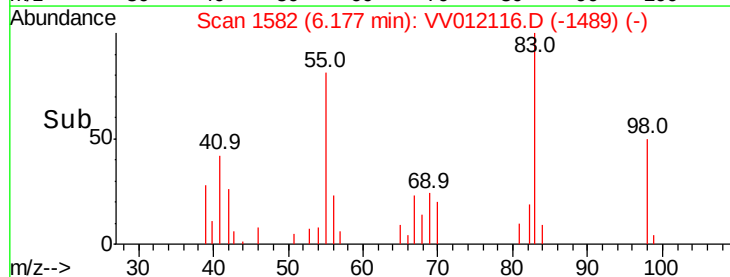
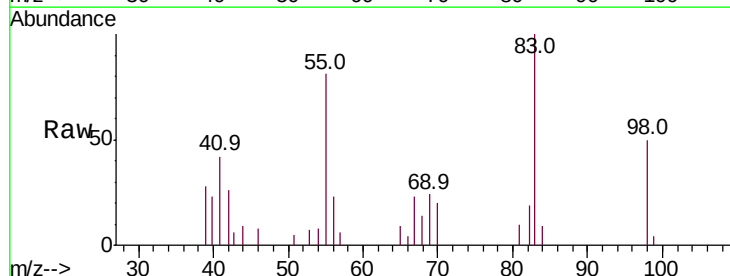
Ion	Ratio	Lower	Upper
95	100		
97	52.7	43.4	80.6
132	114.5	73.1	135.8
130	101.9	75.3	139.8

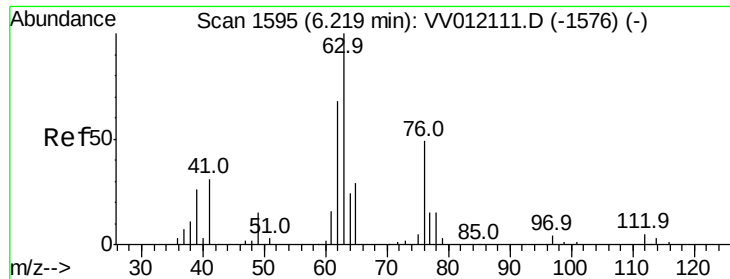


#35
 Methylcyclohexane
 Concen: 2.144 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV012116.D
 Acq: 06 Aug 2019 15:56

Tgt Ion: 83 Resp: 5013

Ion	Ratio	Lower	Upper
83	100		
55	78.7	55.5	83.3
98	55.2	38.5	57.7

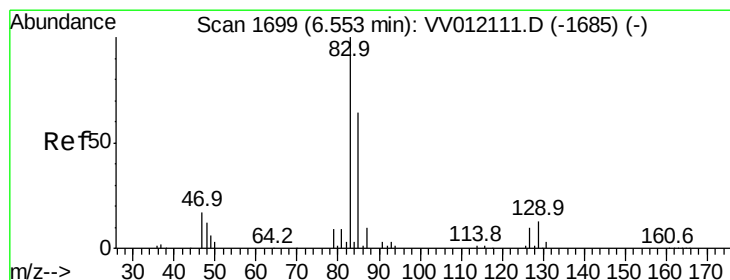
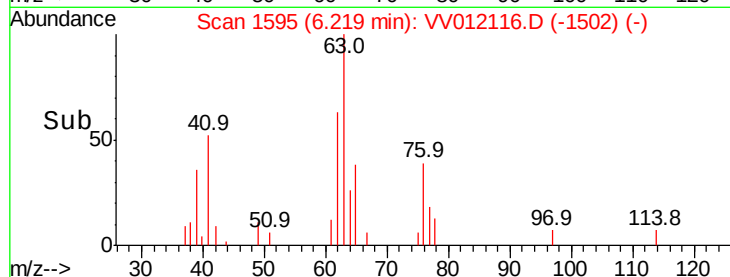
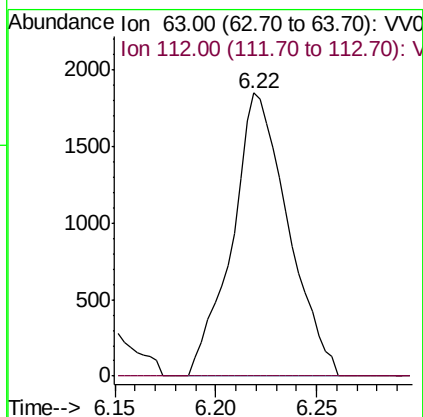
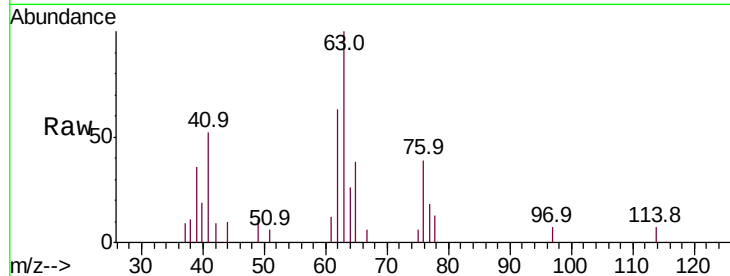




#37
 1,2-Dichloropropane
 Concen: 2.604 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV012116.D
 Acq: 06 Aug 2019 15:56

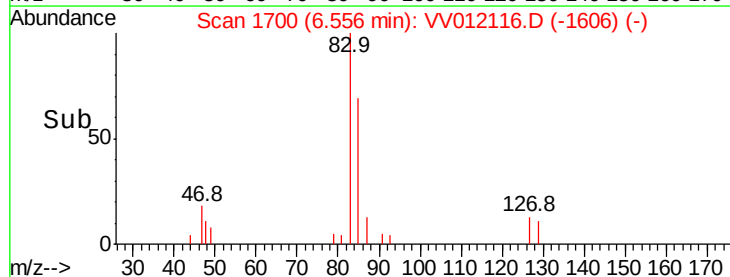
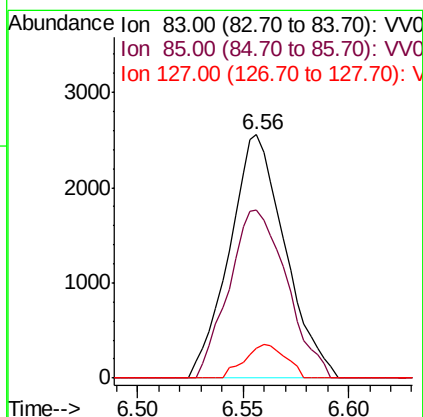
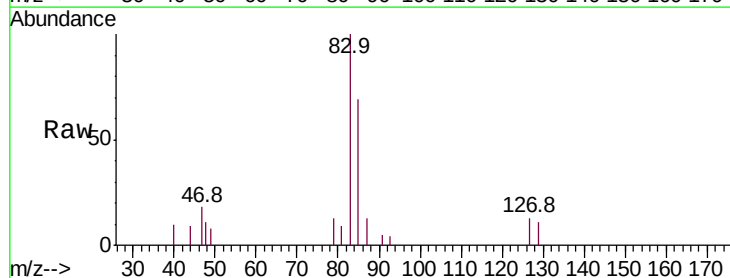
Instrument :
 MSVOA_V
 ClientSampled :

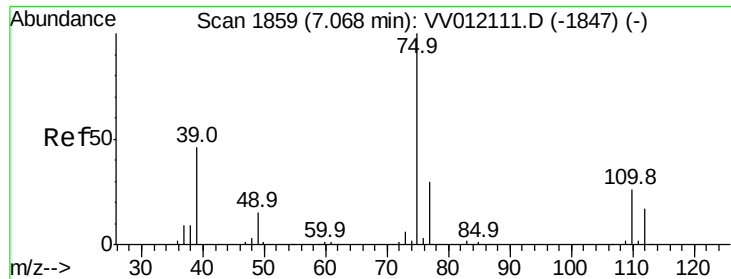
Tot Ion: 63 Resp: 3589
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.2 6.2#



#38
 Bromodichloromethane
 Concen: 2.156 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV012116.D
 Acq: 06 Aug 2019 15:56

Tgt Ion: 83 Resp: 4675
 Ion Ratio Lower Upper
 83 100
 85 68.9 45.0 83.6
 127 12.5 7.9 11.9#

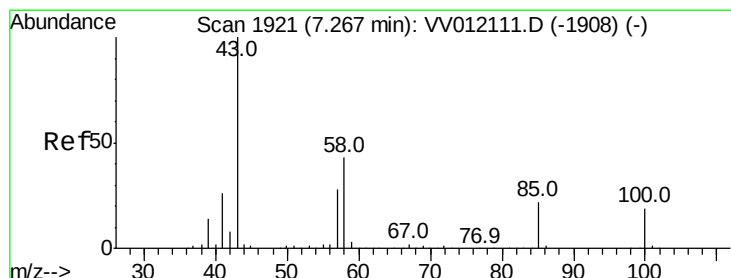
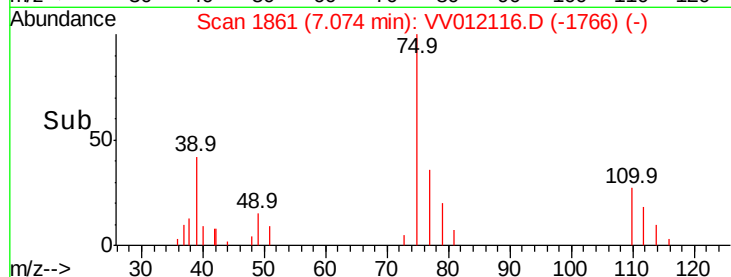
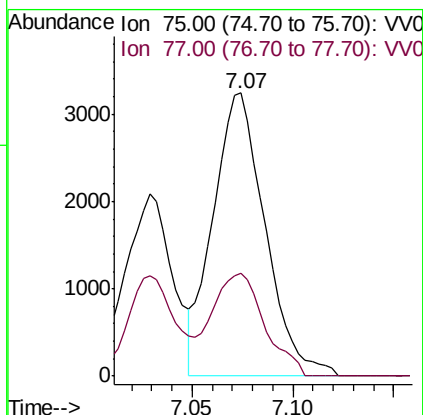
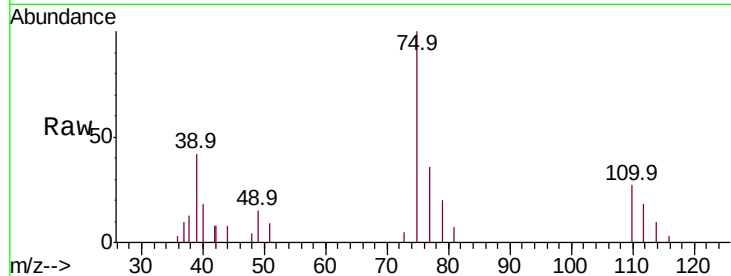




#39
 cis-1,3-Dichloropropene
 Concen: 2.405 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.01 min
 Lab File: VV012116.D
 Acq: 06 Aug 2019 15:56

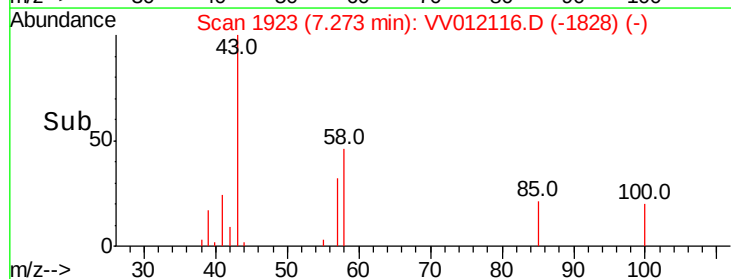
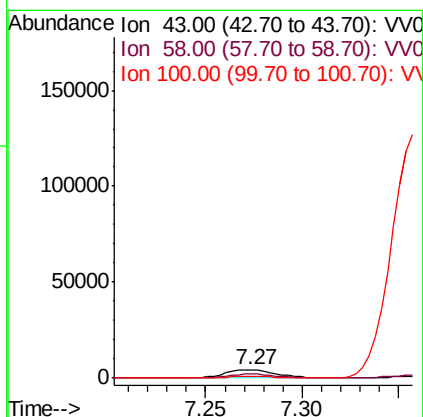
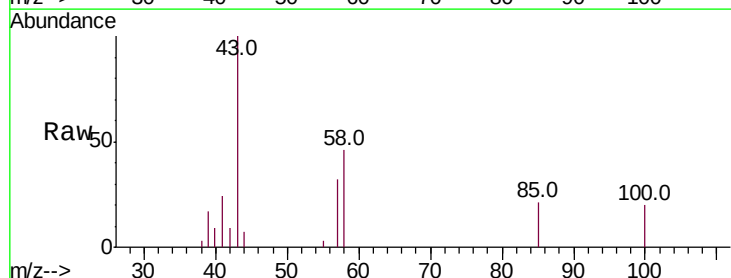
Instrument :
 MSVOA_V
 ClientSampled :

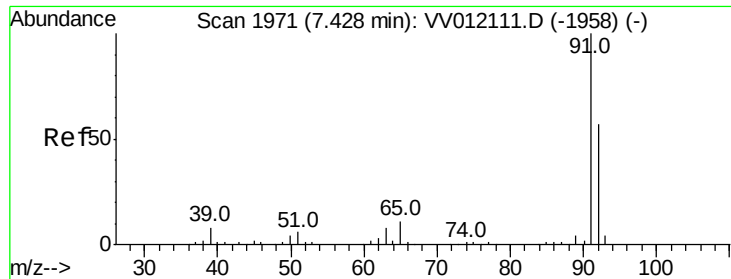
Tot Ion: 75 Resp: 5845
 Ion Ratio Lower Upper
 75 100
 77 36.1 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 4.634 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VV012116.D
 Acq: 06 Aug 2019 15:56

Tgt Ion: 43 Resp: 8220
 Ion Ratio Lower Upper
 43 100
 58 43.1 33.4 50.2
 100 18.6 15.0 22.4





#42

Toluene

Concen: 2.543 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV012116.D

Acq: 06 Aug 2019 15:56

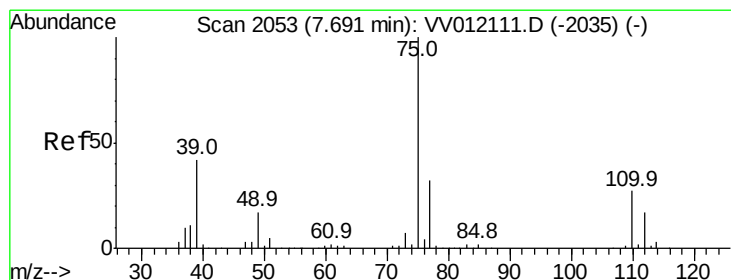
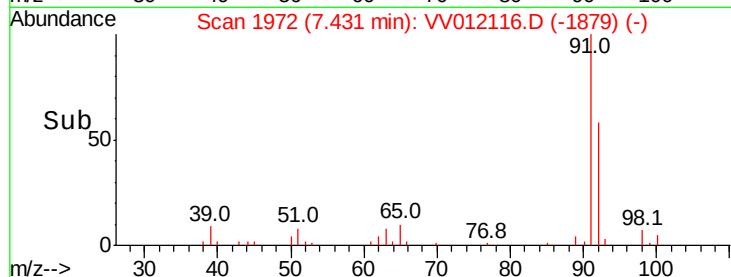
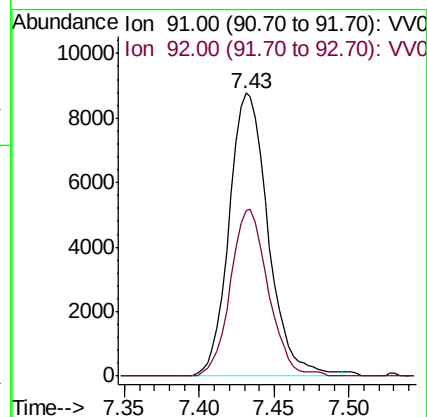
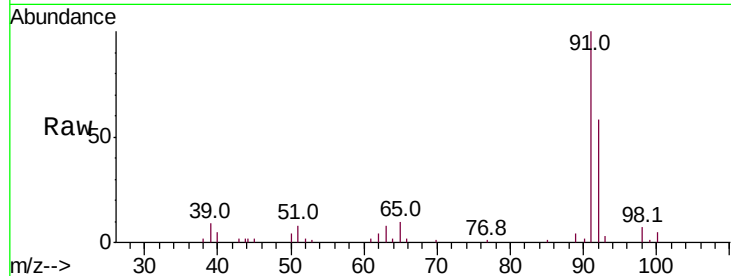
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 15969

Ion Ratio Lower Upper

91 100

92 58.3 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 2.189 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012116.D

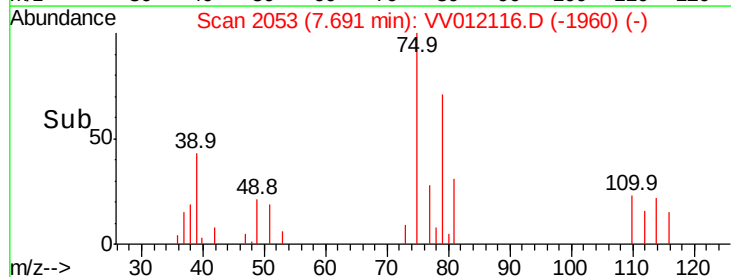
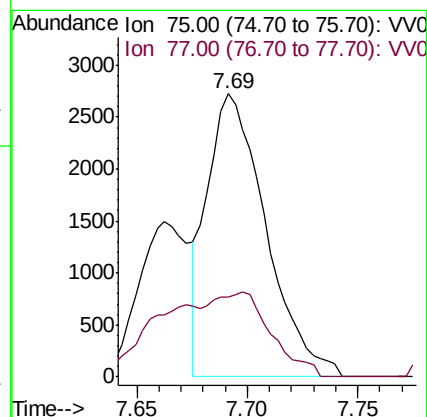
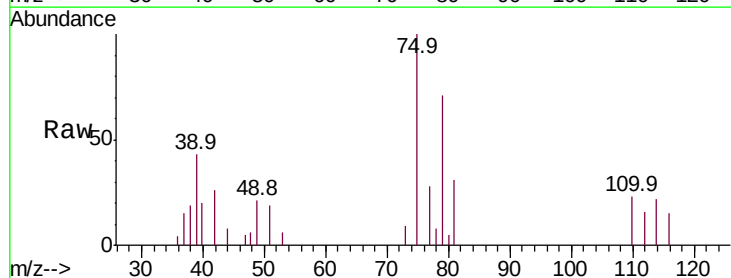
Acq: 06 Aug 2019 15:56

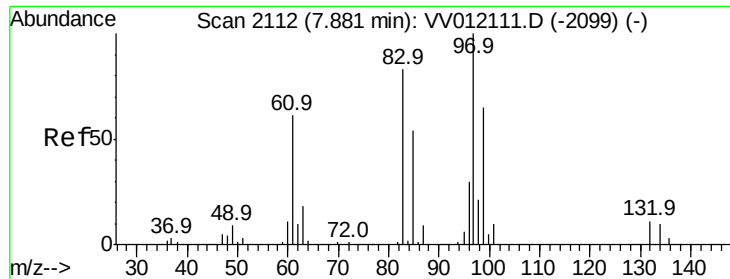
Tgt Ion: 75 Resp: 5022

Ion Ratio Lower Upper

75 100

77 28.1 21.8 40.4

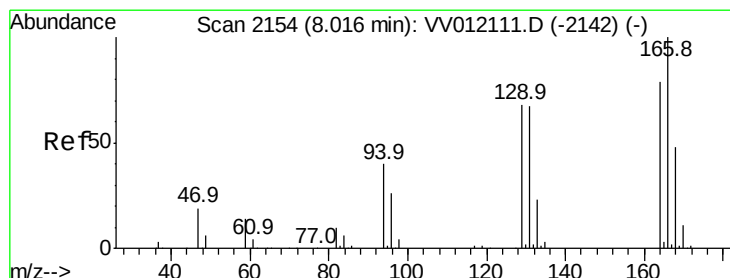
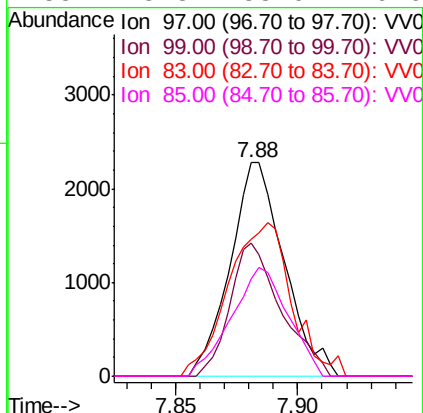
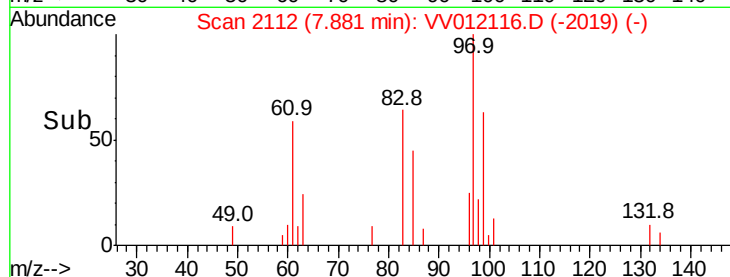
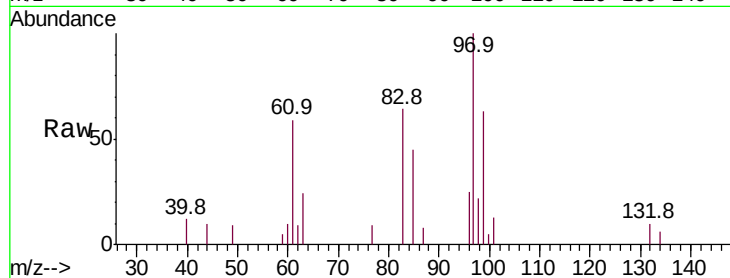




#45
1,1,2-Trichloroethane
Concen: 2.363 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV012116.D
Acq: 06 Aug 2019 15:56

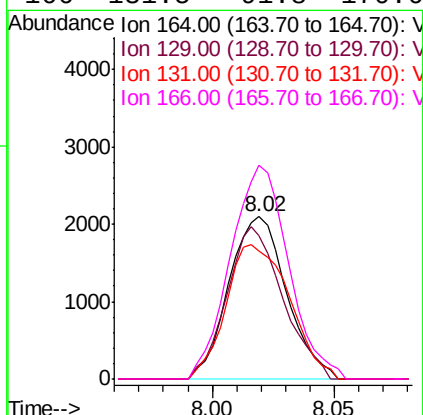
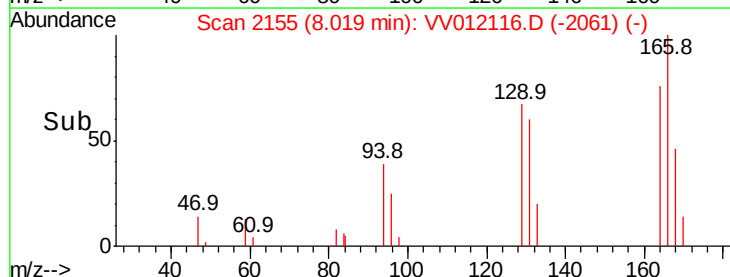
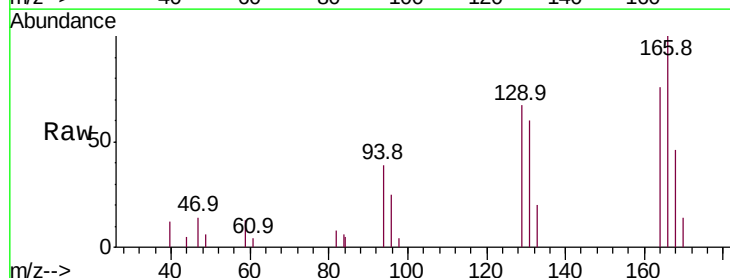
Instrument :
MSVOA_V
ClientSampled :

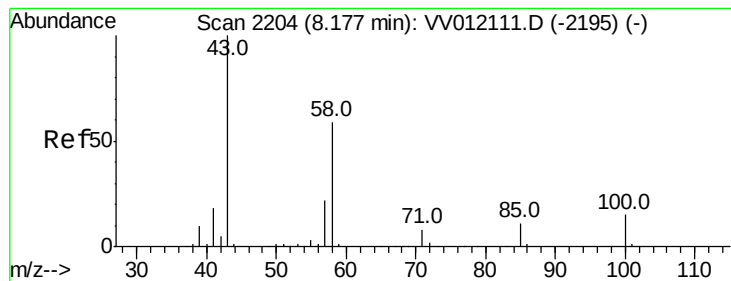
Tot Ion:	97	Resp:	3511
Ion	Ratio	Lower	Upper
97	100		
99	62.6	47.2	87.6
83	63.9	58.0	107.6
85	45.3	38.0	70.6



#46
Tetrachloroethene
Concen: 2.354 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV012116.D
Acq: 06 Aug 2019 15:56

Tgt Ion:	164	Resp:	3445
Ion	Ratio	Lower	Upper
164	100		
129	88.6	64.3	119.5
131	79.0	60.1	111.7
166	131.5	91.8	170.6





#48

2-Hexanone

Concen: 4.765 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VV012116.D

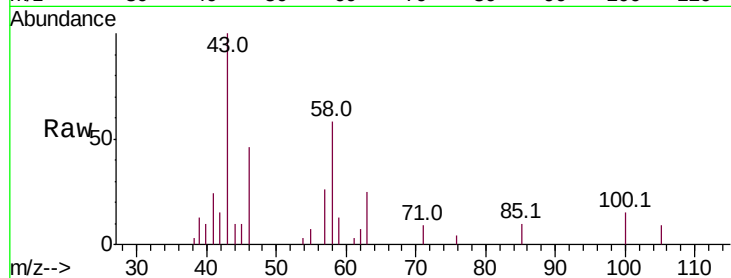
Acq: 06 Aug 2019 15:56

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 6372

Ion Ratio Lower Upper

43	100		
58	50.0	45.6	68.4
57	26.8	17.0	25.6
100	13.5	11.5	17.3

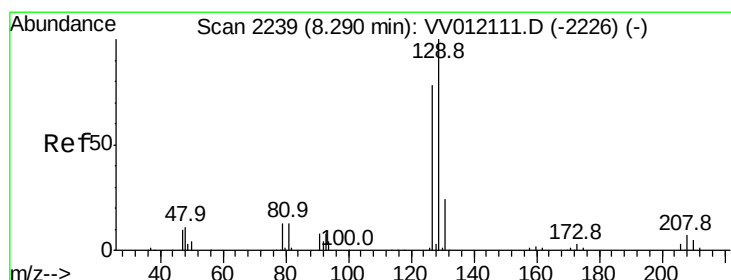
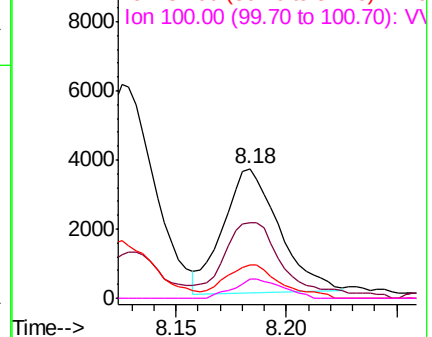
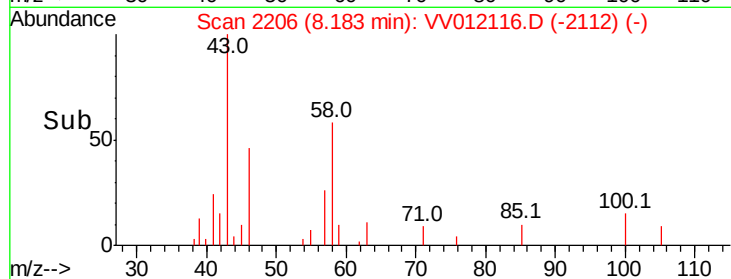


Abundance Ion 43.00 (42.70 to 43.70): VV012111.D (-2195) (-)

Ion 58.00 (57.70 to 58.70): VV012111.D (-2195) (-)

Ion 57.00 (56.70 to 57.70): VV012111.D (-2195) (-)

Ion 100.00 (99.70 to 100.70): VV012111.D (-2195) (-)



#49

Dibromochloromethane

Concen: 2.286 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. -0.00 min

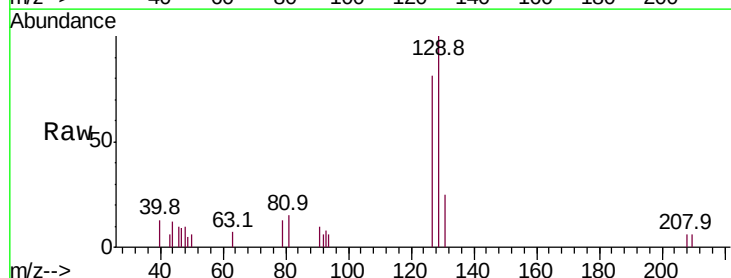
Lab File: VV012116.D

Acq: 06 Aug 2019 15:56

Tgt Ion: 129 Resp: 4407

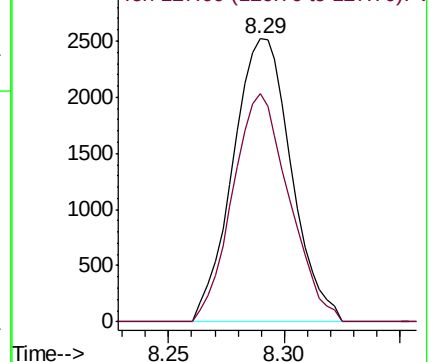
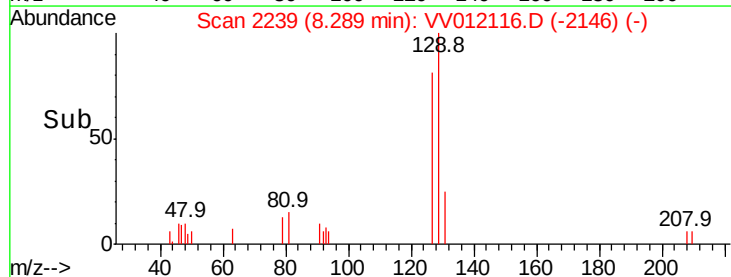
Ion Ratio Lower Upper

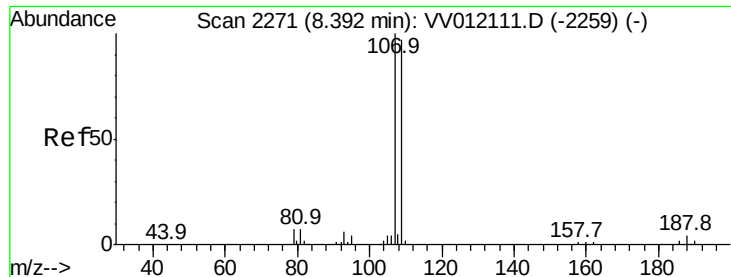
129	100		
127	80.6	53.8	100.0



Abundance Ion 129.00 (128.70 to 129.70): VV012111.D (-2226) (-)

Ion 127.00 (126.70 to 127.70): VV012111.D (-2226) (-)

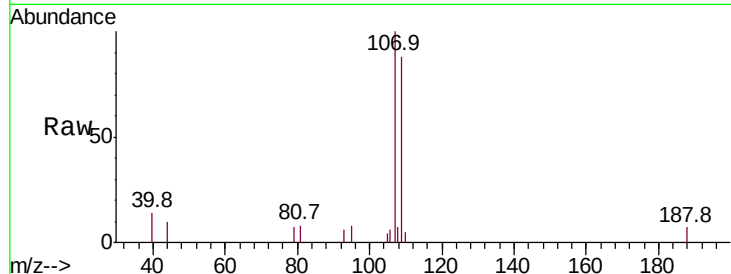




#50
 1,2-Dibromoethane
 Concen: 2.395 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VV012116.D
 Acq: 06 Aug 2019 15:56

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	88.3	67.0	124.4
188	7.0	3.9	5.9#

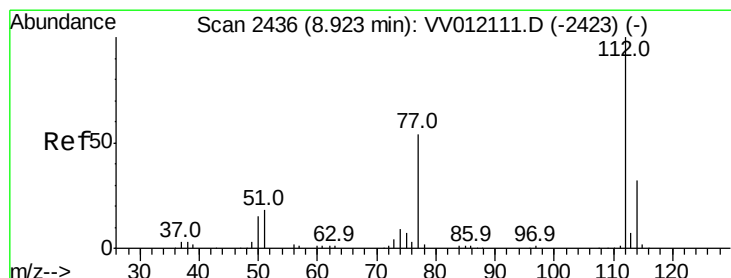
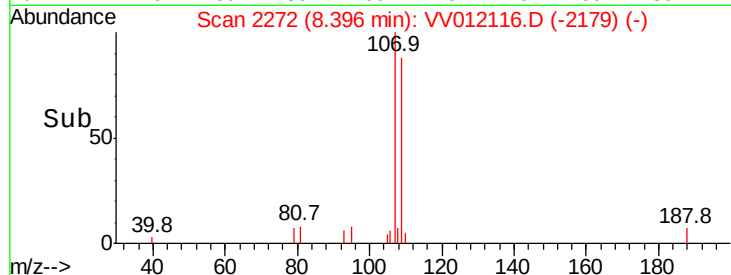
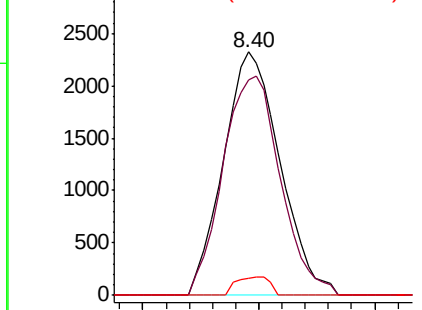


Abundance

Ion 107.00 (106.70 to 107.70): V

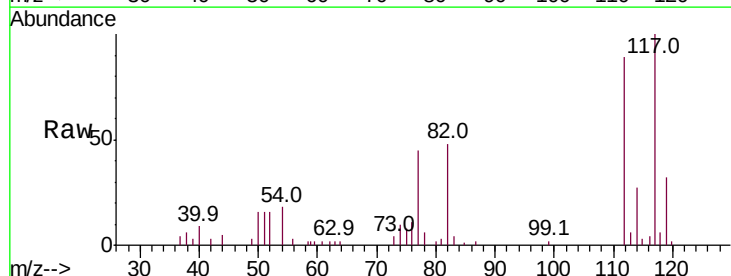
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
 Chlorobenzene
 Concen: 2.510 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV012116.D
 Acq: 06 Aug 2019 15:56

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.7	22.8	42.4
77	50.6	44.7	67.1

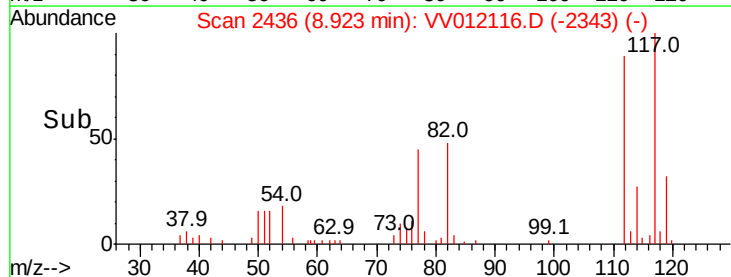
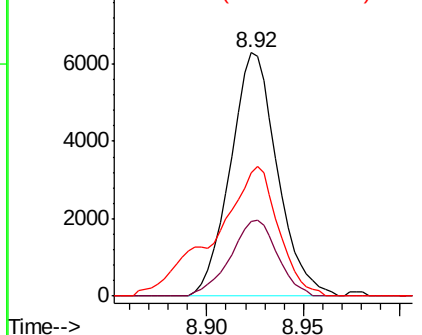


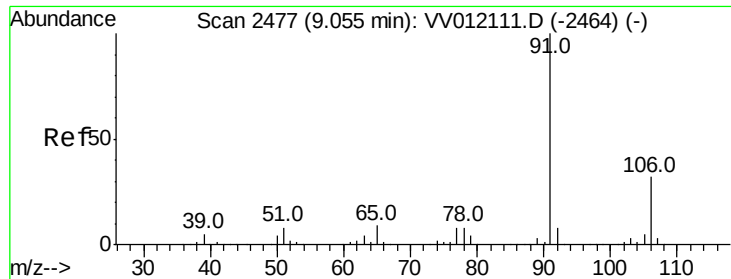
Abundance

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): VV0

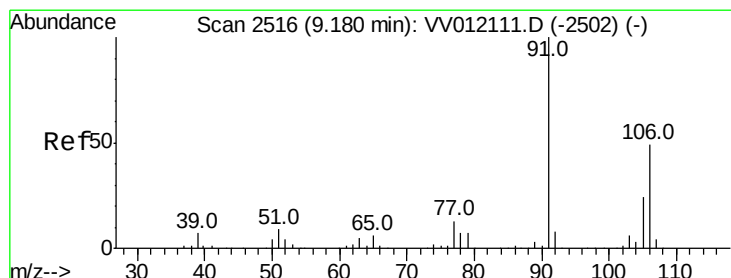
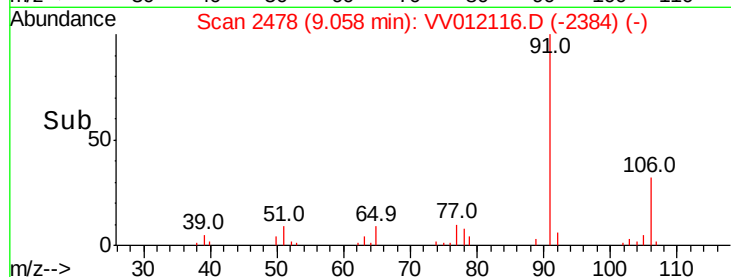
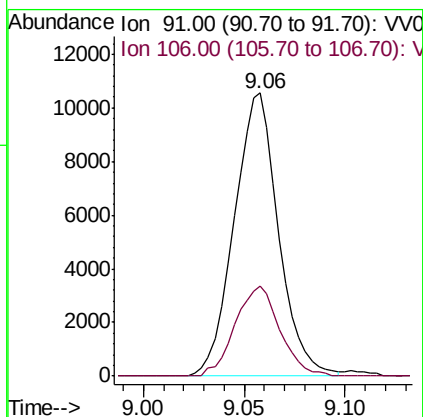
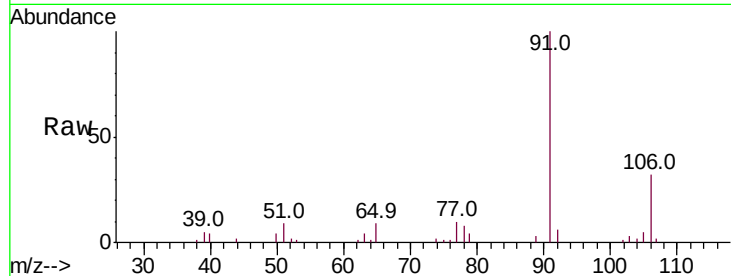




#52
Ethylbenzene
Concen: 2.303 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV012116.D
Acq: 06 Aug 2019 15:56

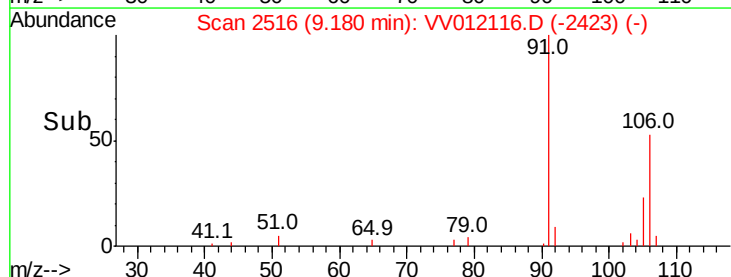
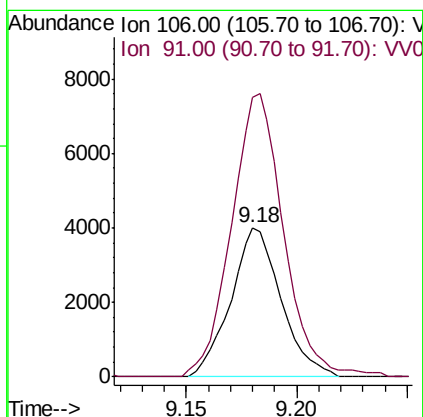
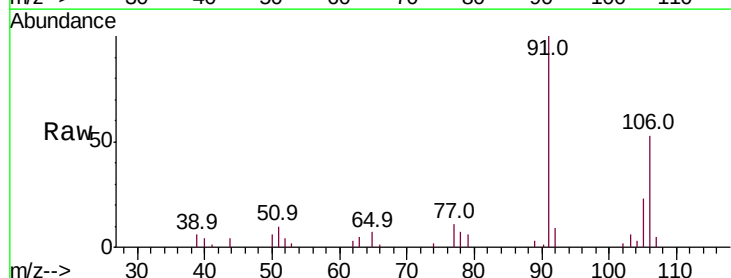
Instrument :
MSVOA_V
ClientSampled :

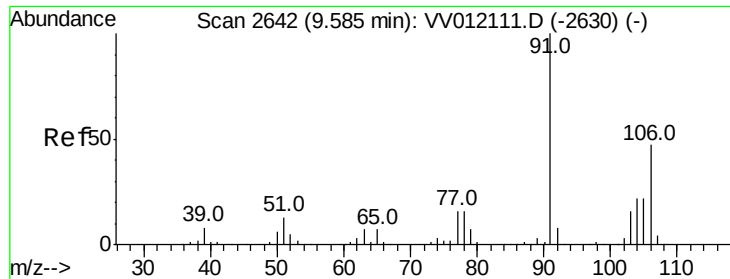
Tot Ion: 91 Resp: 16224
Ion Ratio Lower Upper
91 100
106 31.8 22.3 41.5



#53
m,p-Xylene
Concen: 2.343 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV012116.D
Acq: 06 Aug 2019 15:56

Tgt Ion: 106 Resp: 6369
Ion Ratio Lower Upper
106 100
91 187.4 146.7 272.5

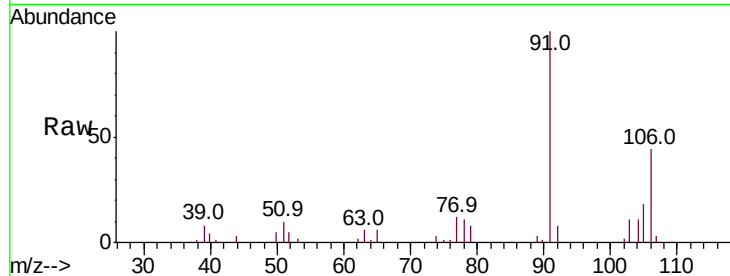




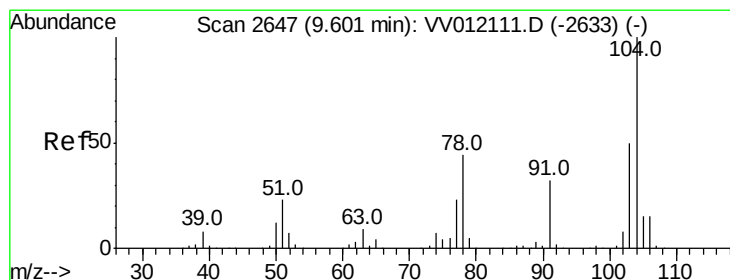
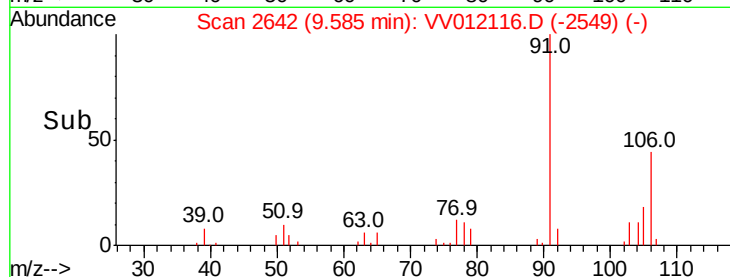
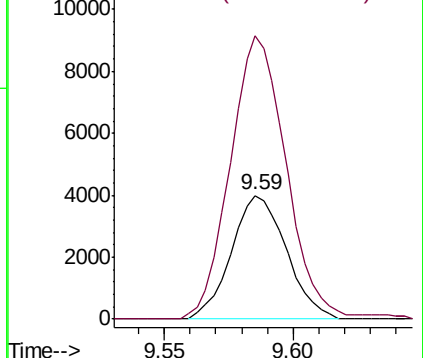
#54
o-Xylene
Concen: 2.205 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV012116.D
Acq: 06 Aug 2019 15:56

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 5947
Ion Ratio Lower Upper
106 100
91 228.4 150.4 279.2

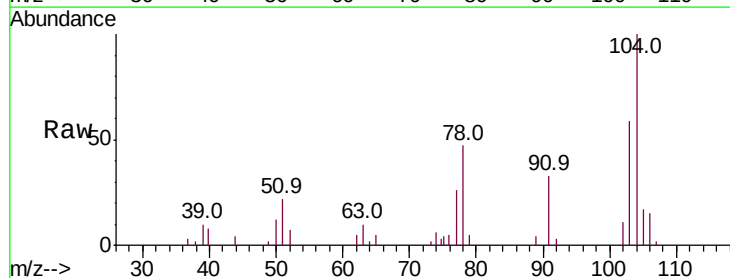


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

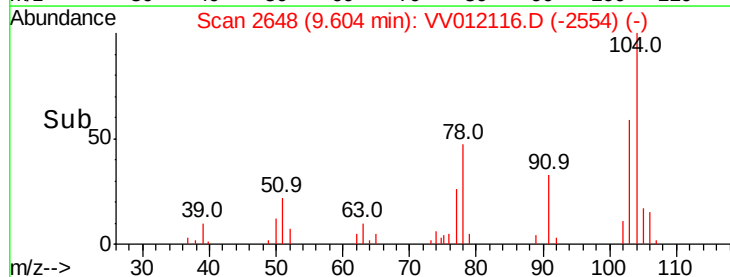
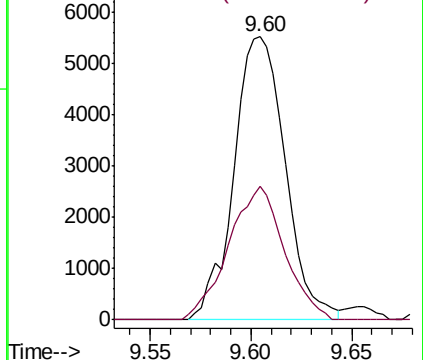


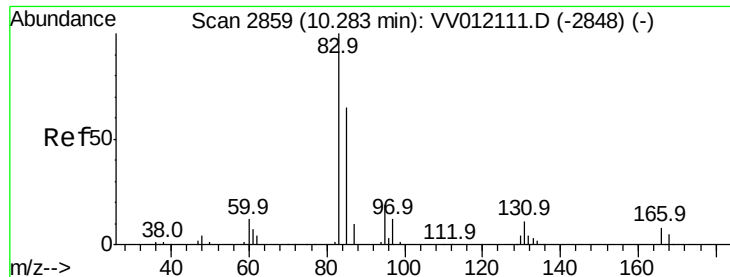
#55
Styrene
Concen: 2.171 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV012116.D
Acq: 06 Aug 2019 15:56

Tgt Ion:104 Resp: 9864
Ion Ratio Lower Upper
104 100
78 47.1 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0

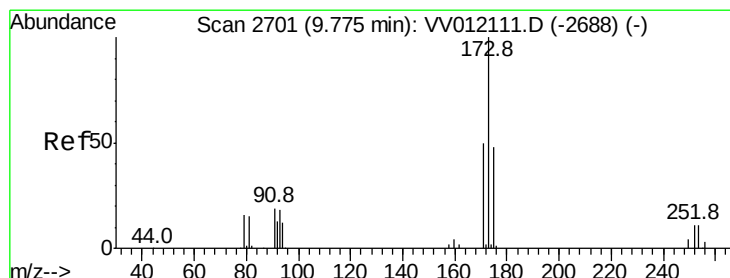
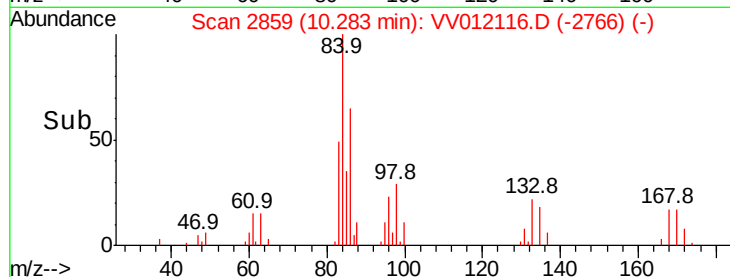
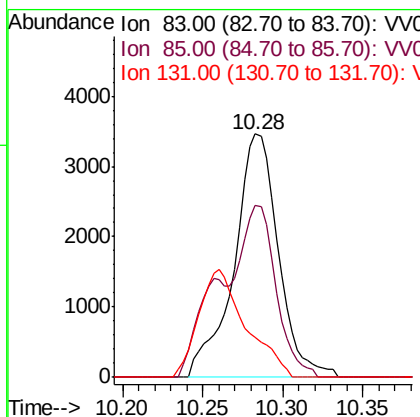
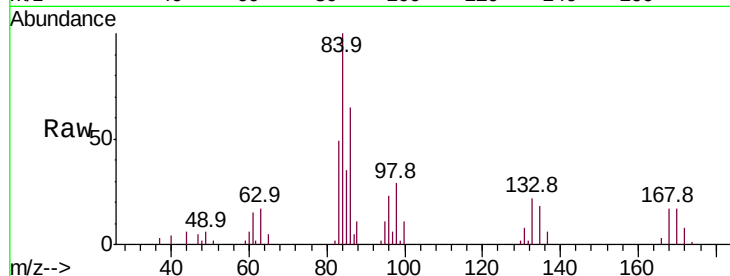




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.868 ug/L
 RT: 10.28 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: VV012116.D
 Acq: 06 Aug 2019 15:56

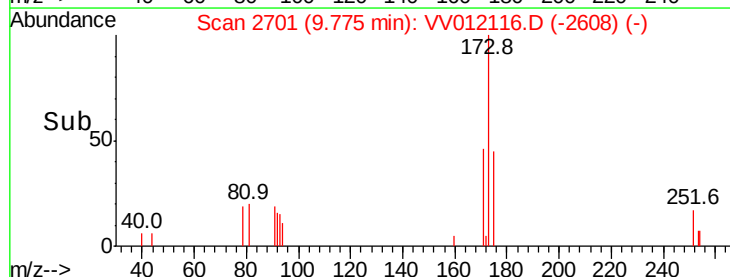
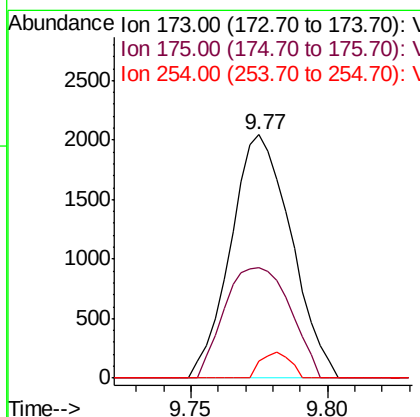
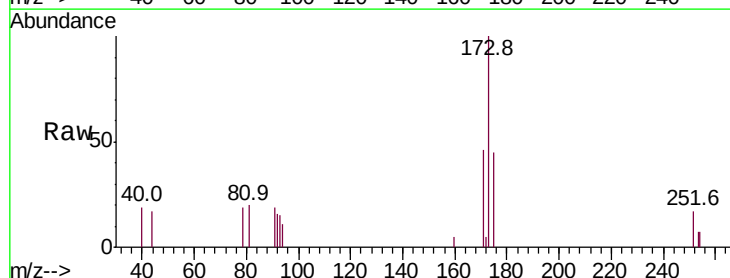
Instrument :
 MSVOA_V
 ClientSampleId :

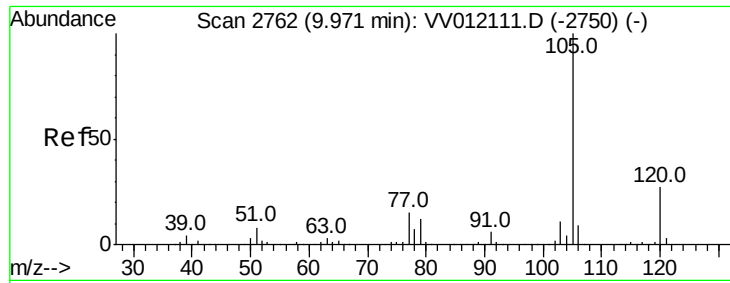
Tot Ion: 83 Resp: 6552
 Ion Ratio Lower Upper
 83 100
 85 70.7 44.6 82.8
 131 16.4 9.3 13.9#



#59
 Bromoform
 Concen: 2.169 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV012116.D
 Acq: 06 Aug 2019 15:56

Tgt Ion: 173 Resp: 3147
 Ion Ratio Lower Upper
 173 100
 175 49.7 38.3 57.5
 254 5.1 8.9 13.3#





#60

Isopropylbenzene

Concen: 2.485 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012116.D

Acq: 06 Aug 2019 15:56

Instrument :

MSVOA_V

ClientSampleId :

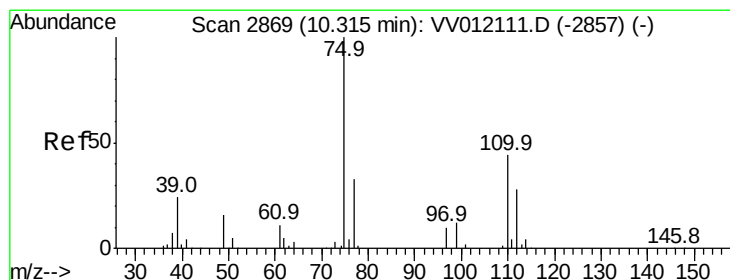
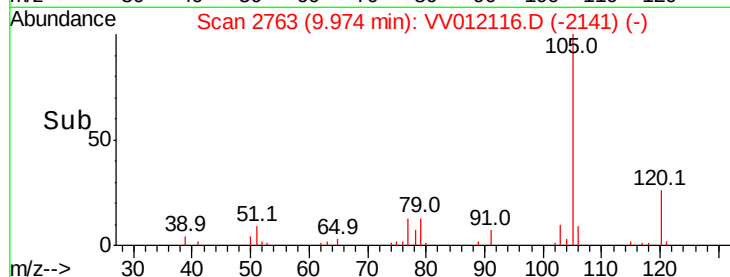
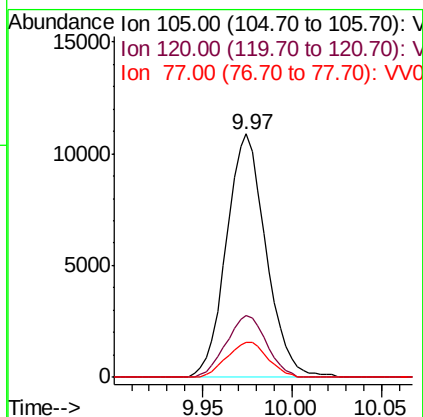
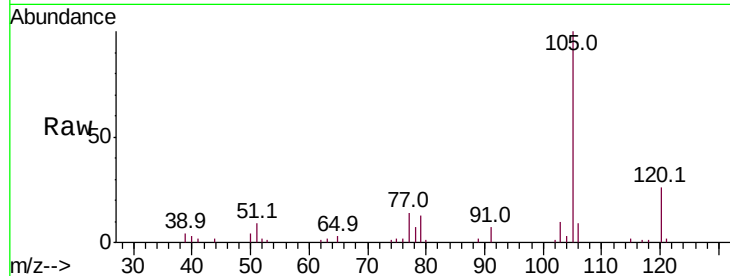
Tot Ion:105 Resp: 16827

Ion Ratio Lower Upper

105 100

120 25.6 21.4 32.0

77 14.8 11.6 17.4



#61

1,2,3-Trichloropropane

Concen: 2.619 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012116.D

Acq: 06 Aug 2019 15:56

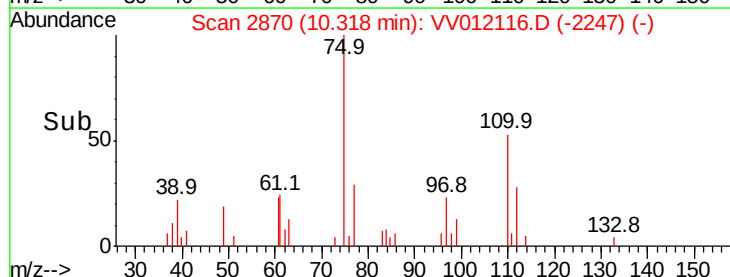
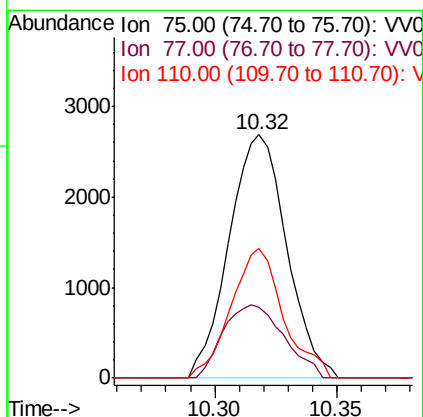
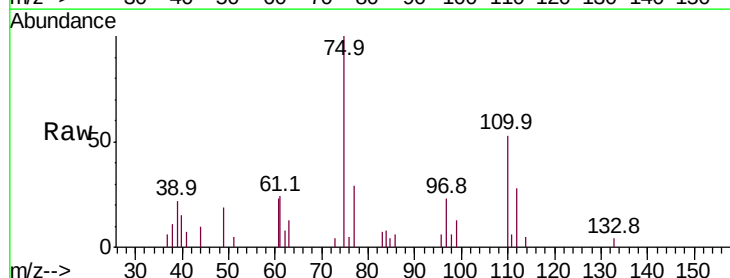
Tgt Ion: 75 Resp: 4398

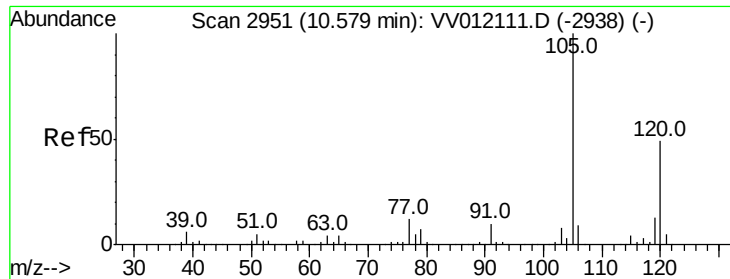
Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5

110 48.3 34.2 51.4





#62

1,3,5-Trimethylbenzene

Concen: 2.267 ug/L

RT: 10.58 min Scan# 2952

Delta R.T. -0.00 min

Lab File: VV012116.D

Acq: 06 Aug 2019 15:56

Instrument :

MSVOA_V

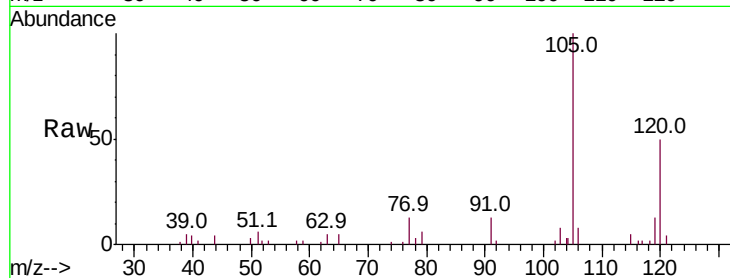
ClientSampleId :

Tot Ion:105 Resp: 13269

Ion Ratio Lower Upper

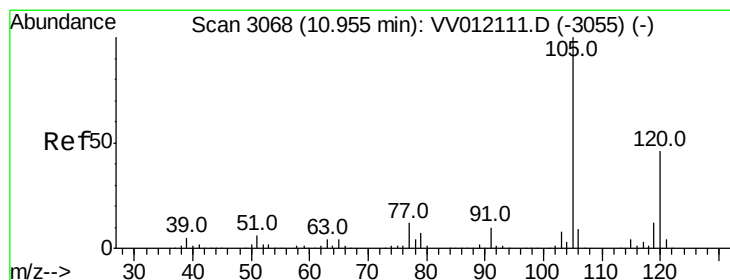
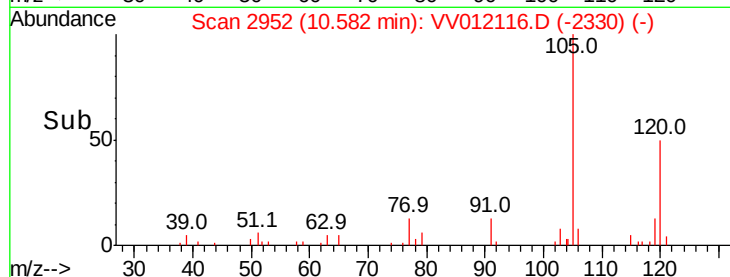
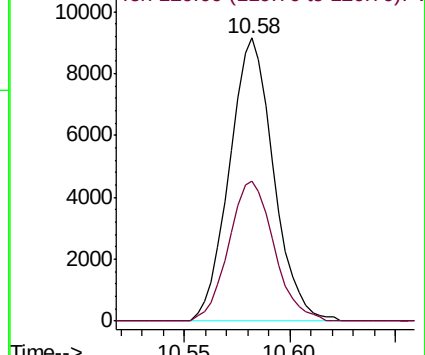
105 100

120 50.7 39.2 58.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 2.431 ug/L

RT: 10.96 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VV012116.D

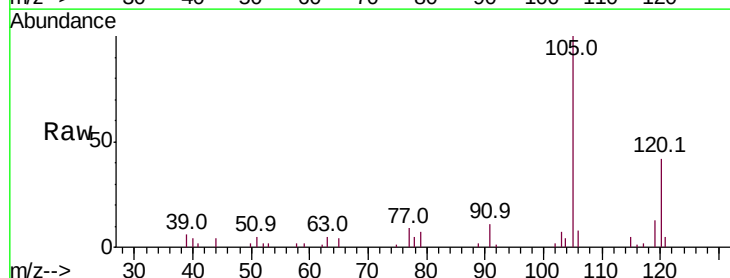
Acq: 06 Aug 2019 15:56

Tgt Ion:105 Resp: 14045

Ion Ratio Lower Upper

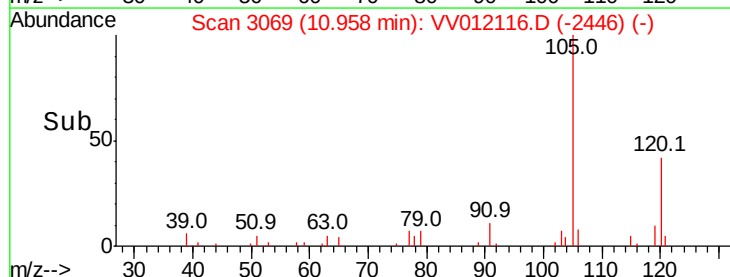
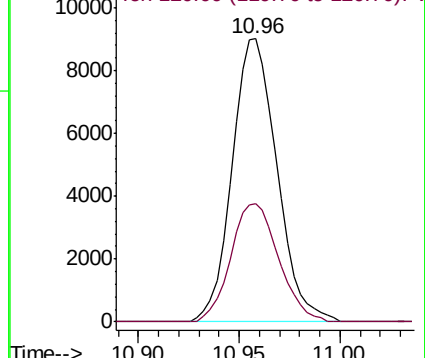
105 100

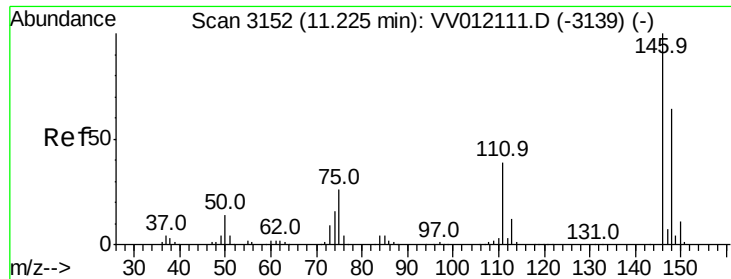
120 44.4 36.7 55.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

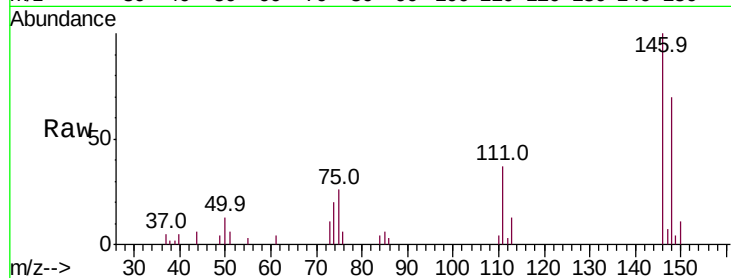




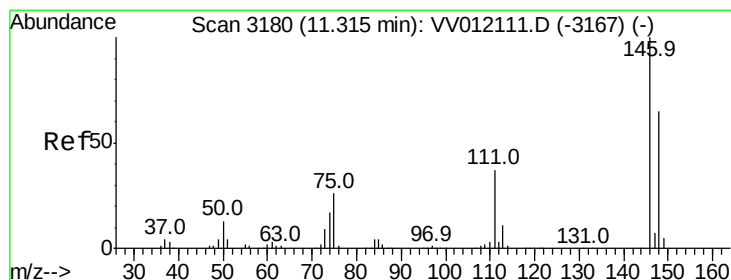
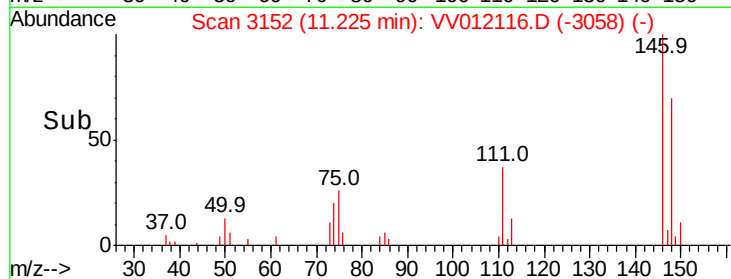
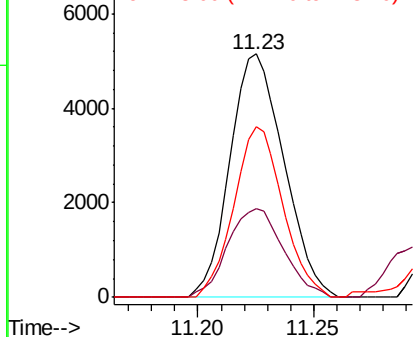
#64
 1,3-Dichlorobenzene
 Concen: 2.438 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV012116.D
 Acq: 06 Aug 2019 15:56

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:146 Resp: 8327
 Ion Ratio Lower Upper
 146 100
 111 36.6 26.8 49.8
 148 70.3 44.6 82.8

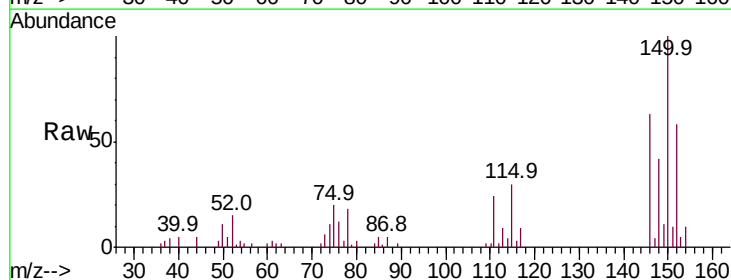


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

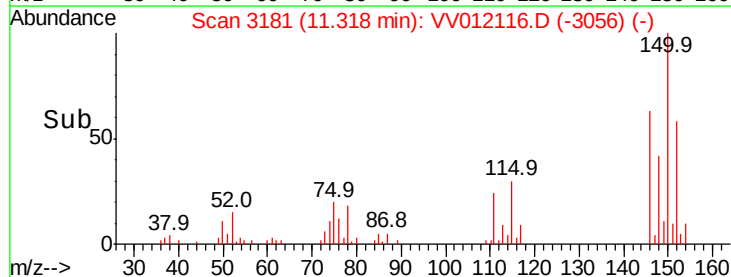
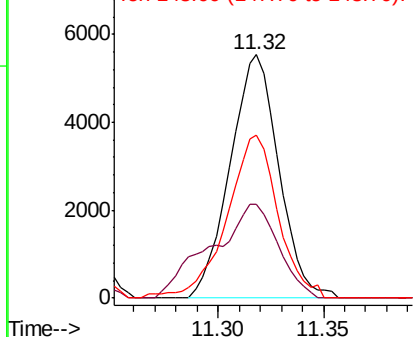


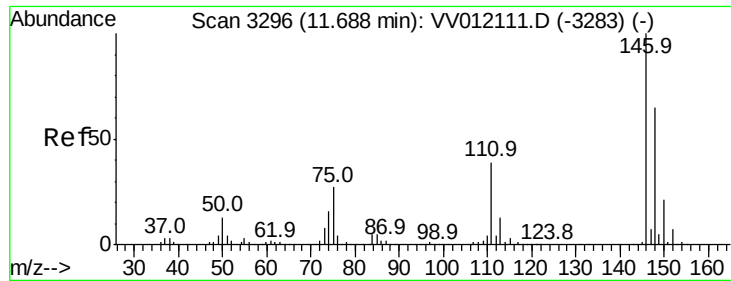
#65
 1,4-Dichlorobenzene
 Concen: 2.576 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV012116.D
 Acq: 06 Aug 2019 15:56

Tgt Ion:146 Resp: 8896
 Ion Ratio Lower Upper
 146 100
 111 38.5 25.8 47.8
 148 66.9 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

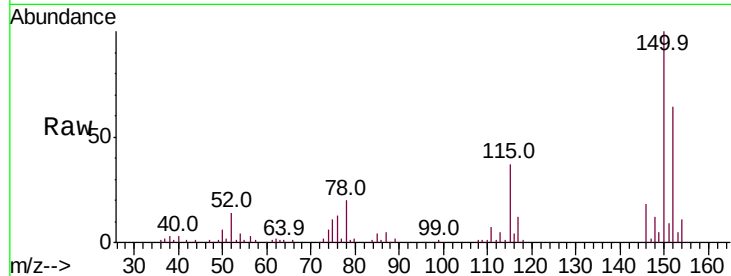




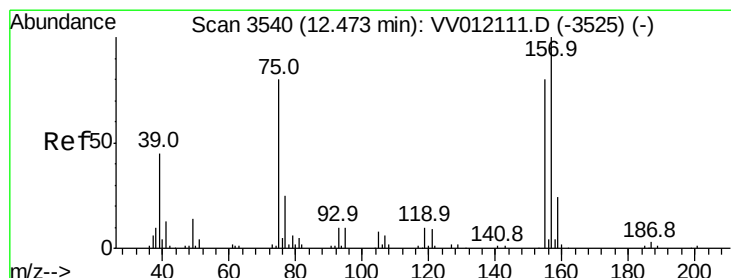
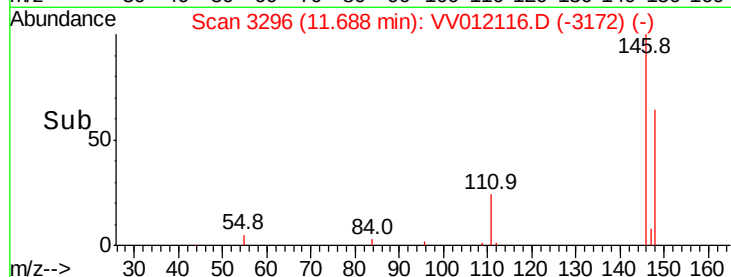
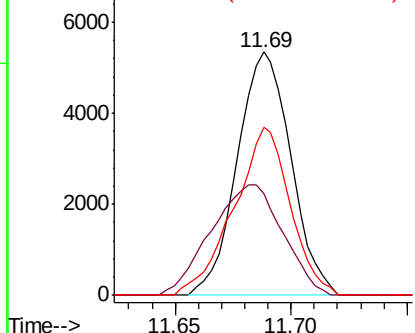
#67
 1,2-Dichlorobenzene
 Concen: 2.469 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012116.D
 Acq: 06 Aug 2019 15:56

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:146 Resp: 8607
 Ion Ratio Lower Upper
 146 100
 111 41.6 32.2 48.2
 148 69.0 53.2 79.8

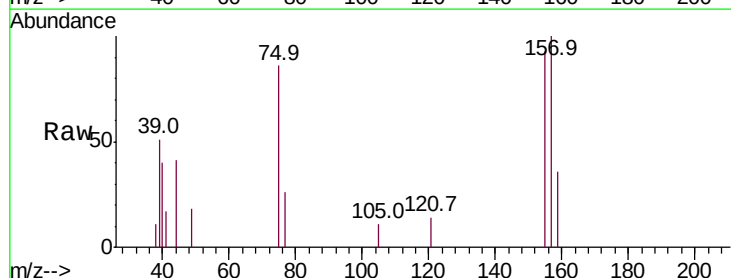


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

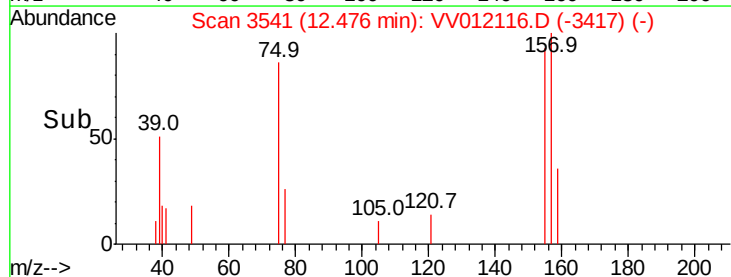
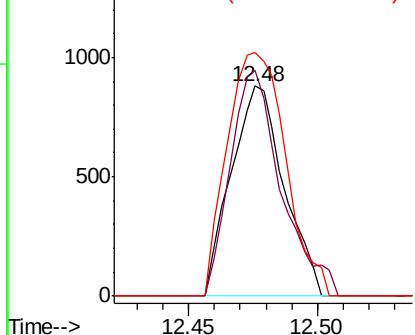


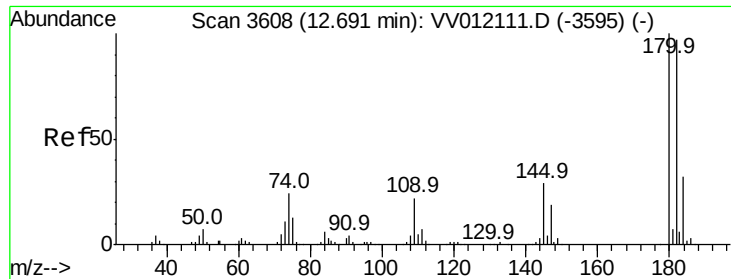
#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.275 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV012116.D
 Acq: 06 Aug 2019 15:56

Tgt Ion: 75 Resp: 1259
 Ion Ratio Lower Upper
 75 100
 155 107.7 81.2 121.8
 157 116.0 102.3 153.5



Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

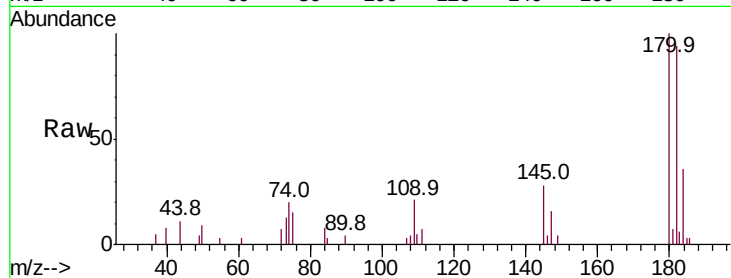




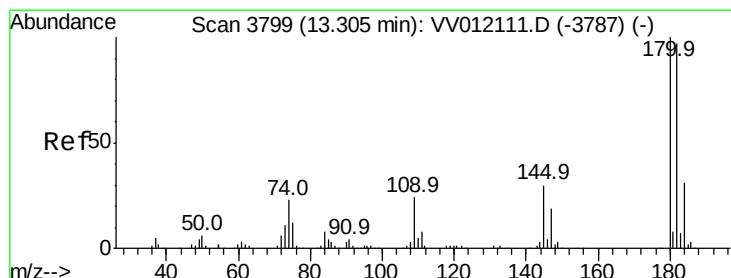
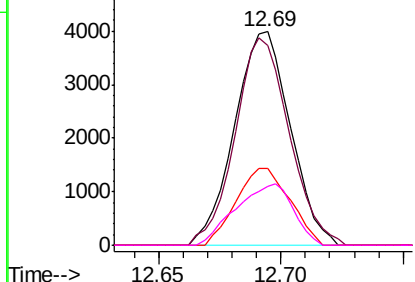
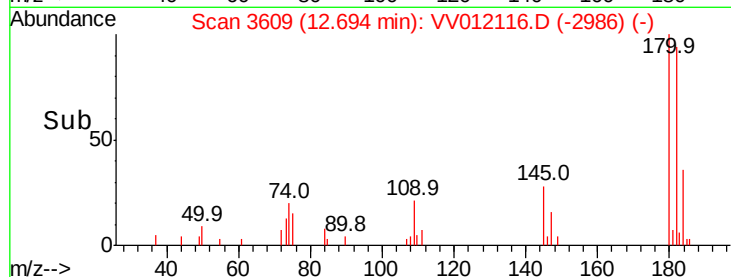
#69
 1,3,5-Trichlorobenzene
 Concen: 2.286 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV012116.D
 Acq: 06 Aug 2019 15:56

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 6331
 Ion Ratio Lower Upper
 180 100
 182 94.0 76.5 114.7
 184 34.7 24.6 36.8
 145 29.4 22.5 33.7

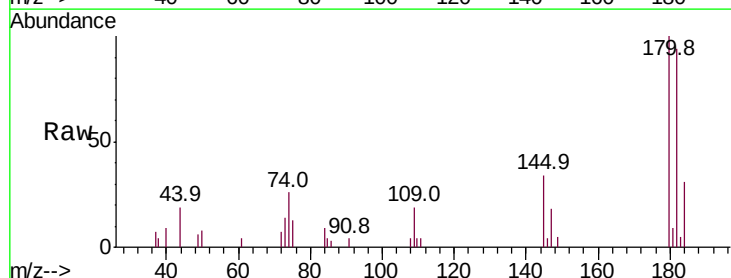


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

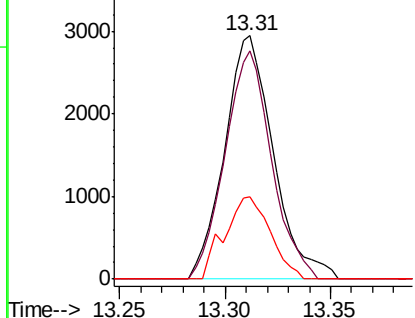
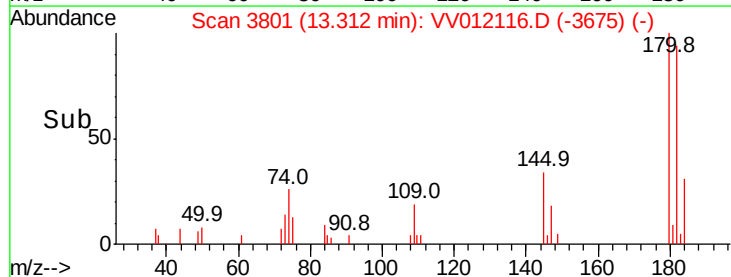


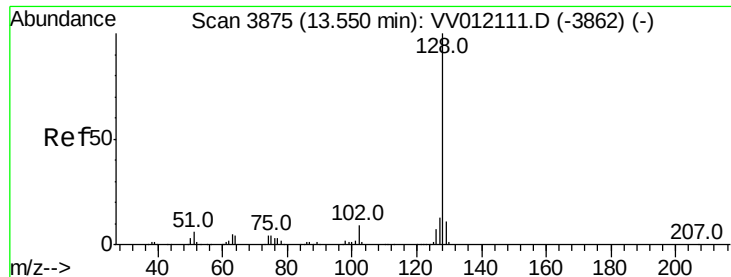
#70
 1,2,4-trichlorobenzene
 Concen: 1.970 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.01 min
 Lab File: VV012116.D
 Acq: 06 Aug 2019 15:56

Tgt Ion:180 Resp: 4729
 Ion Ratio Lower Upper
 180 100
 182 89.2 76.5 114.7
 145 26.3 23.3 34.9



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





#71

Naphthalene

Concen: 1.549 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.01 min

Lab File: VV012116.D

Acq: 06 Aug 2019 15:56

Instrument :

MSVOA_V

ClientSampleId :

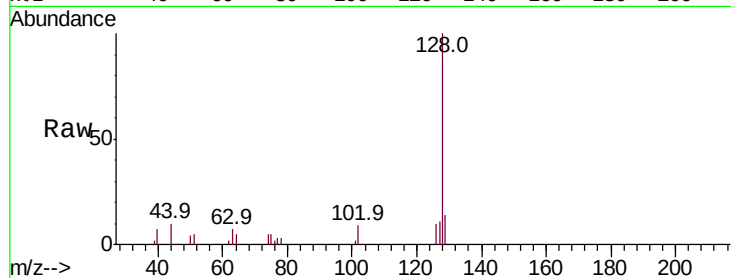
Tot Ion:128 Resp: 9425

Ion Ratio Lower Upper

128 100

127 11.0 10.6 15.8

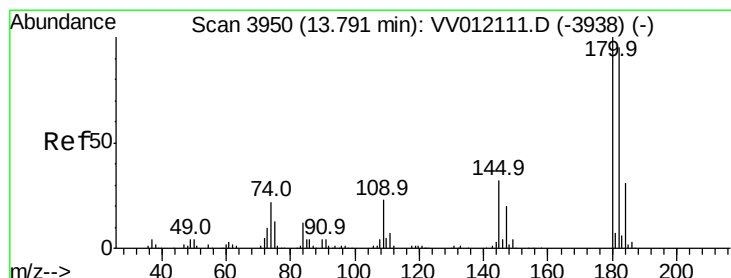
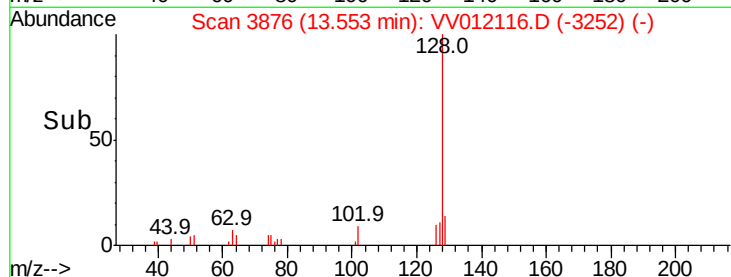
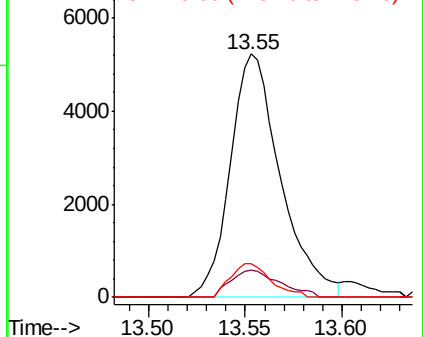
129 11.1 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 1.992 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV012116.D

Acq: 06 Aug 2019 15:56

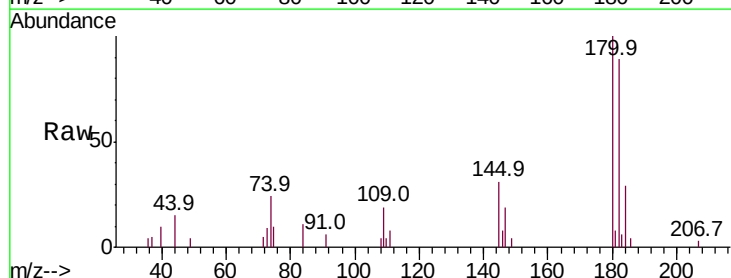
Tgt Ion:180 Resp: 4812

Ion Ratio Lower Upper

180 100

182 95.9 77.2 115.8

145 33.5 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

