

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081219\
 Data File : VV012205.D
 Acq On : 12 Aug 2019 13:19
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 12 14:05:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 12 14:00:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	466539	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	443922	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	214979	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30013	15.29	ug/L	0.00
7) Chloroethane-d5	1.58	69	28317	20.51	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	57622	15.59	ug/L	0.00
21) 2-Butanone-d5	3.93	46	55897	46.60	ug/L	0.01
24) Chloroform-d	4.40	84	69797	16.55	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	46362	18.65	ug/L	0.00
32) Benzene-d6	5.10	84	143171	17.45	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	44069	18.78	ug/L	0.00
41) Toluene-d8	7.36	98	126135	16.34	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	21674	17.57	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	35166	37.34	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	62909	19.39	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	55765	18.51	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	35198	8.804	ug/L 99
3) Chloromethane	1.25	50	32972	11.088	ug/L 97
5) Vinyl chloride	1.33	62	33530	11.936	ug/L 98
6) Bromomethane	1.54	94	18636	11.484	ug/L 99
8) Chloroethane	1.60	64	18498	12.314	ug/L 100
9) Trichlorofluoromethane	1.77	101	44078	9.762	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	24696	11.178	ug/L 99
12) 1,1-Dichloroethene	2.14	96	23458	11.504	ug/L 92
13) Acetone	2.19	43	32969	24.185	ug/L 98
14) Carbon disulfide	2.32	76	78171	10.967	ug/L 100
15) Methyl Acetate	2.46	43	29433	11.067	ug/L 100
16) Methylene chloride	2.54	84	29036	9.758	ug/L 96
17) trans-1,2-Dichloroethene	2.79	96	27368	9.725	ug/L 97
18) Methyl tert-butyl Ether	2.80	73	79720	8.942	ug/L 100
19) 1,1-Dichloroethane	3.23	63	49456	9.871	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	29886	9.393	ug/L 95
22) 2-Butanone	4.02	43	41116	20.802	ug/L 100
23) Bromochloromethane	4.30	128	16193	9.411	ug/L 94
25) Chloroform	4.43	83	55343	9.991	ug/L 95
27) 1,2-Dichloroethane	5.18	62	38927	9.039	ug/L 99
29) Cyclohexane	4.73	56	43107	9.964	ug/L 98
30) 1,1,1-Trichloroethane	4.66	97	44334	8.711	ug/L 100
31) Carbon tetrachloride	4.88	117	38592	8.169	ug/L 98
33) Benzene	5.15	78	108745	9.522	ug/L 100
34) Trichloroethene	5.96	95	28811	9.376	ug/L 96
35) Methylcyclohexane	6.18	83	44830	9.127	ug/L 97
37) 1,2-Dichloropropane	6.22	63	28492	10.281	ug/L 99
38) Bromodichloromethane	6.56	83	36422	8.695	ug/L 95
39) cis-1,3-Dichloropropene	7.07	75	40614	8.685	ug/L 98
40) 4-Methyl-2-pentanone	7.27	43	72517	20.140	ug/L 97

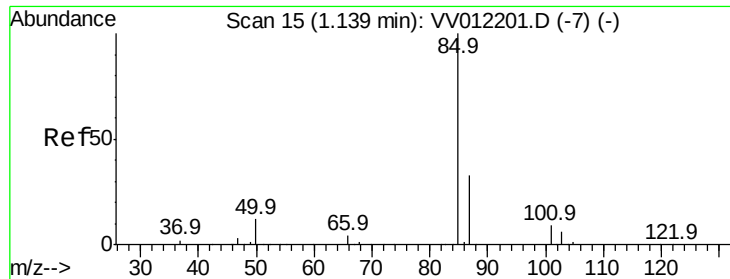
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081219\
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 Quant Title : VOC Analysis
 QLast Update : Mon Aug 12 14:00:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	114829	9.137	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	36956	8.709	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	27656	9.240	ug/L	96
46) Tetrachloroethene	8.02	164	24983	8.632	ug/L	98
48) 2-Hexanone	8.18	43	58626	21.150	ug/L	94
49) Dibromochloromethane	8.29	129	29174	7.849	ug/L	99
50) 1,2-Dibromoethane	8.40	107	28884	8.852	ug/L	96
51) Chlorobenzene	8.93	112	79419	9.335	ug/L	98
52) Ethylbenzene	9.05	91	121839	8.707	ug/L	99
53) m,p-Xylene	9.18	106	45131	8.171	ug/L	94
54) o-xylene	9.59	106	45587	8.403	ug/L	99
55) Styrene	9.60	104	75771	8.300	ug/L	100
56) Isopropylbenzene	9.97	105	115794	8.104	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	43843	9.425	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	35162	9.535	ug/L	99
61) Bromoform	9.77	173	21231	7.982	ug/L	96
62) 1,3-Dichlorobenzene	11.22	146	61769	9.472	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	63007	9.626	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	61115	9.314	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	9131	9.056	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	45211	8.805	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	34714	8.183	ug/L	97
69) Naphthalene	13.55	128	84666	7.153	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	36378	8.171	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 8.804 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012205.D

Acq: 12 Aug 2019 13:19

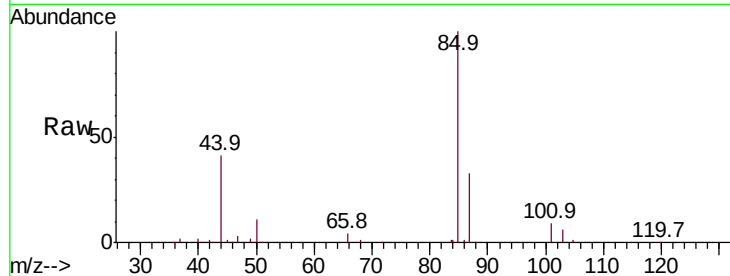
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 35198

Ion Ratio Lower Upper

85 100

87 32.8 25.9 38.9

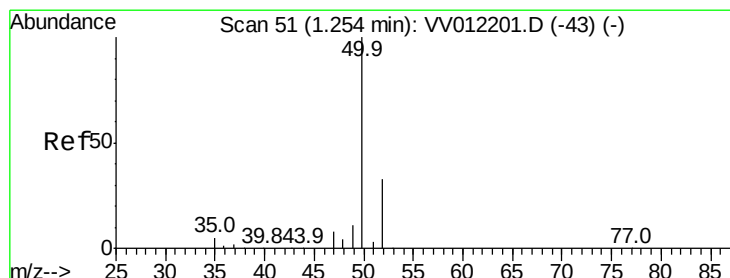
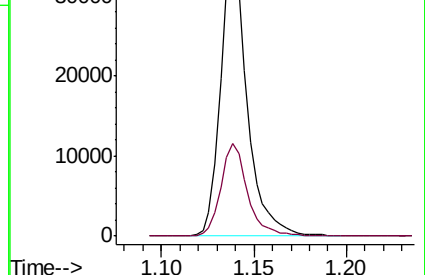
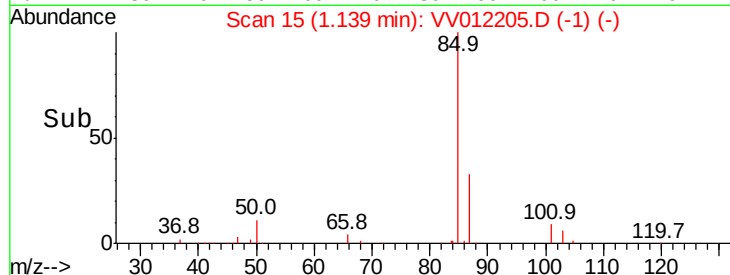


Abundance Ion 85.00 (84.70 to 85.70): VV012201.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV012201.D (-7) (-)

1.14

Time-->



#3

Chloromethane

Concen: 11.088 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV012205.D

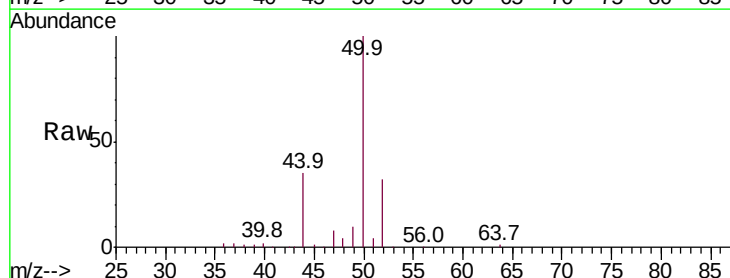
Acq: 12 Aug 2019 13:19

Tgt Ion: 50 Resp: 32972

Ion Ratio Lower Upper

50 100

52 31.5 23.3 43.3

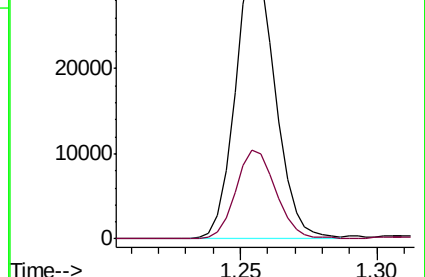
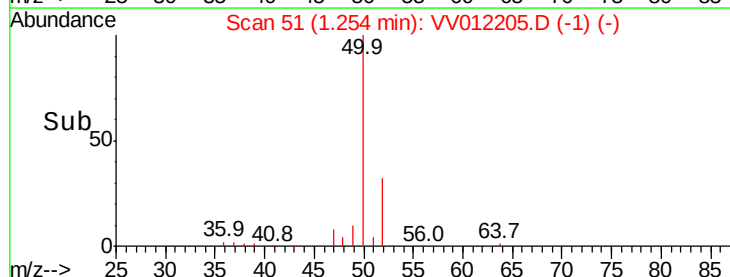


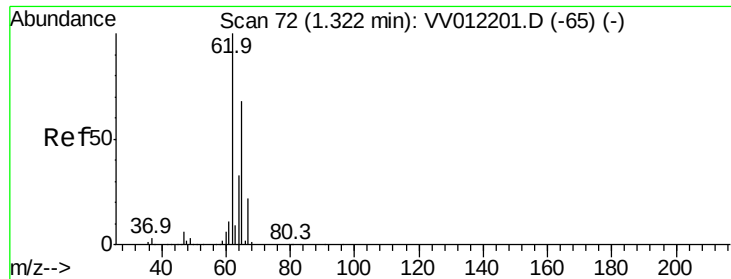
Abundance Ion 50.00 (49.70 to 50.70): VV012201.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV012201.D (-43) (-)

1.25

Time-->





#5

Vinyl chloride

Concen: 11.936 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV012205.D

Acq: 12 Aug 2019 13:19

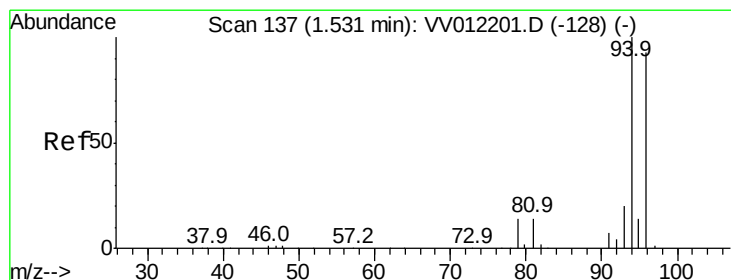
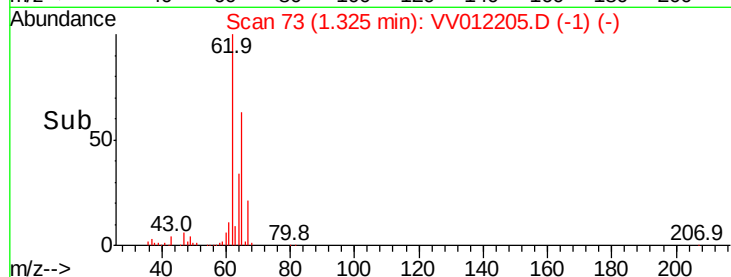
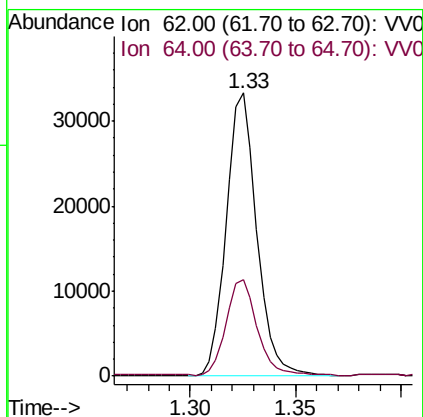
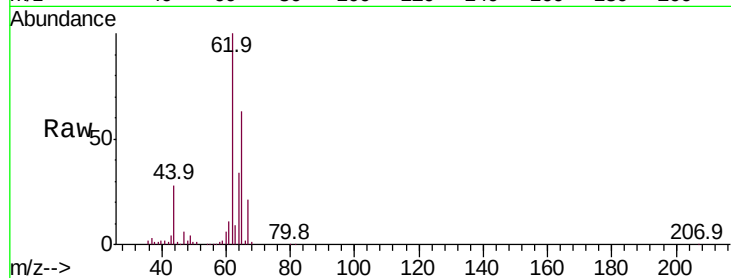
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 33530

Ion Ratio Lower Upper

62 100

64 34.3 23.1 42.9



#6

Bromomethane

Concen: 11.484 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.01 min

Lab File: VV012205.D

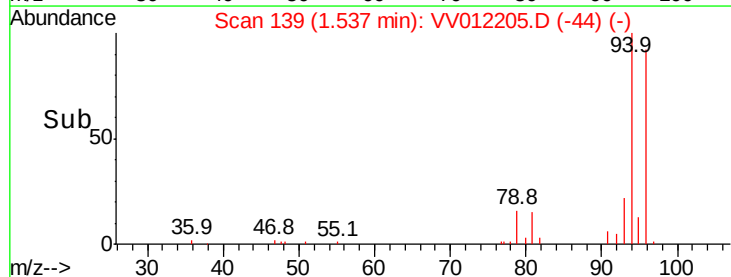
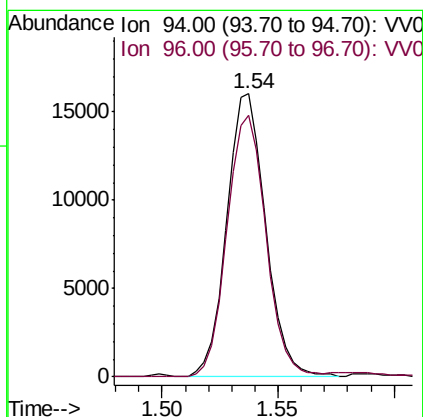
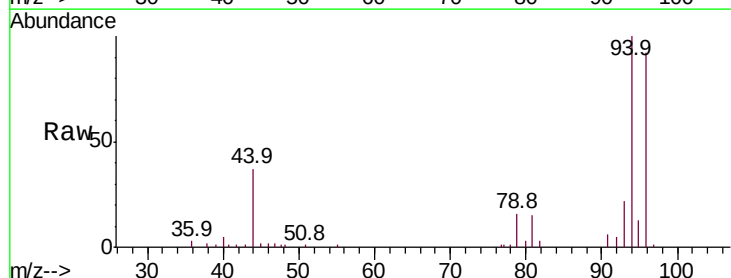
Acq: 12 Aug 2019 13:19

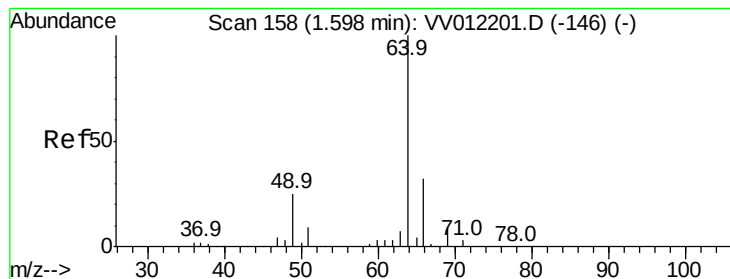
Tgt Ion: 94 Resp: 18636

Ion Ratio Lower Upper

94 100

96 92.2 65.0 120.8





#8

Chloroethane

Concen: 12.314 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV012205.D

Acq: 12 Aug 2019 13:19

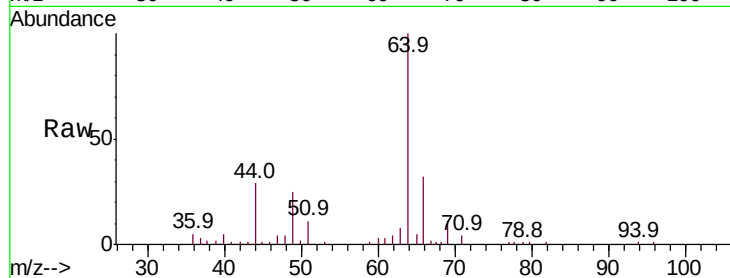
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 18498

Ion Ratio Lower Upper

64 100

66 31.8 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV012201.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV012201.D (-146) (-)

1.60

15000

10000

5000

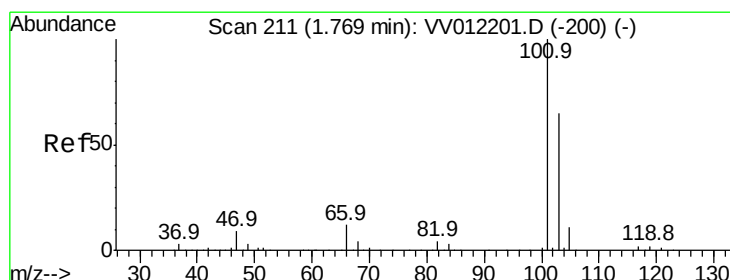
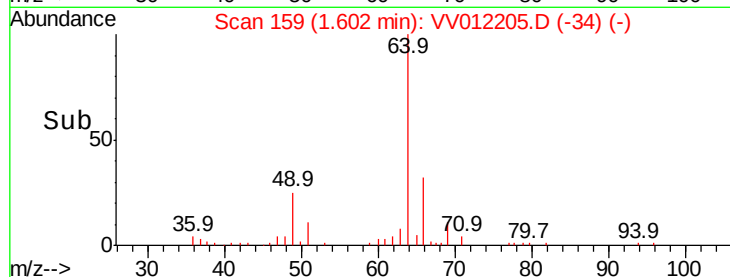
0

Time-->

1.55

1.60

1.65



#9

Trichlorofluoromethane

Concen: 9.762 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV012205.D

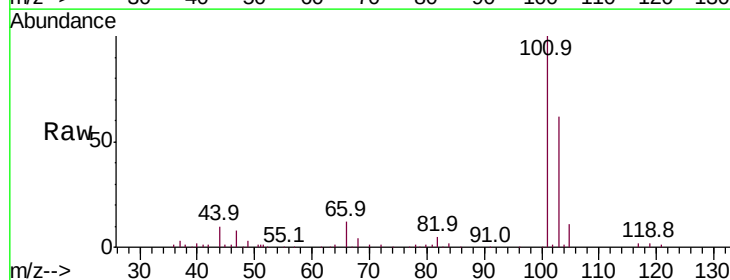
Acq: 12 Aug 2019 13:19

Tgt Ion:101 Resp: 44078

Ion Ratio Lower Upper

101 100

103 64.2 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV012201.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV012201.D (-200) (-)

40000

30000

20000

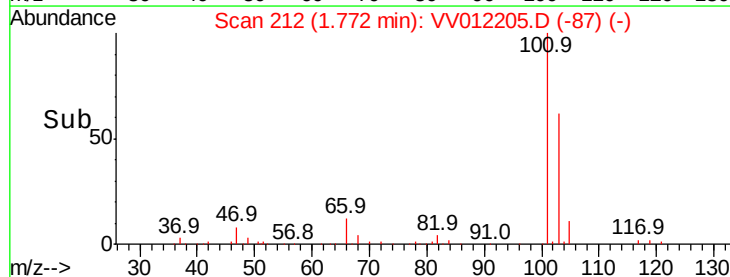
10000

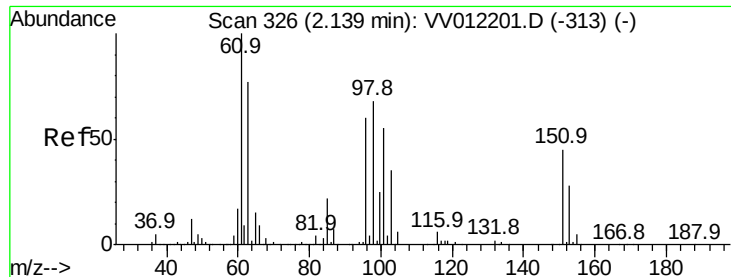
0

Time-->

1.75

1.80





#10

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

Concen: 11.178 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012205.D

Acq: 12 Aug 2019 13:19

Instrument :

MSVOA_V

ClientSampleId :

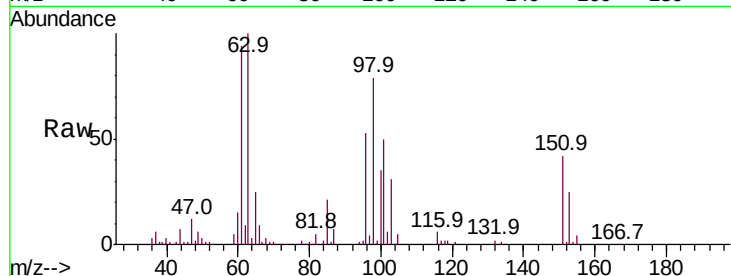
Tot Ion:101 Resp: 24696

Ion Ratio Lower Upper

101 100

85 42.6 32.8 49.2

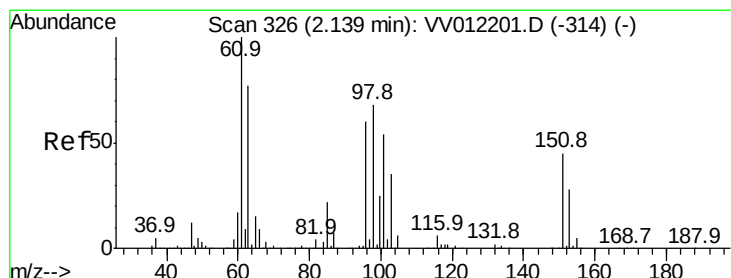
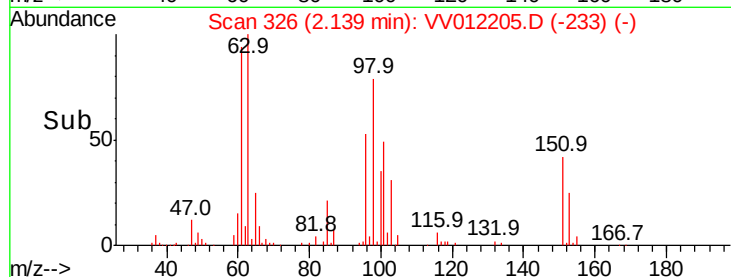
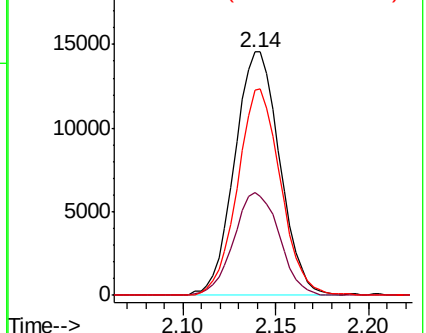
151 80.9 65.0 97.6



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: 11.504 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012205.D

Acq: 12 Aug 2019 13:19

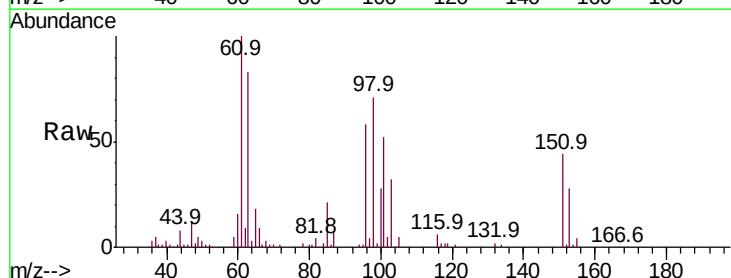
Tgt Ion: 96 Resp: 23458

Ion Ratio Lower Upper

96 100

61 172.4 115.9 215.3

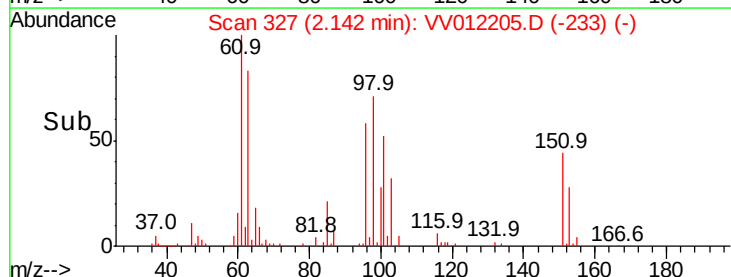
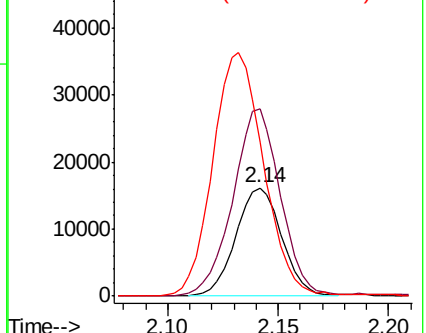
63 142.8 90.0 167.2

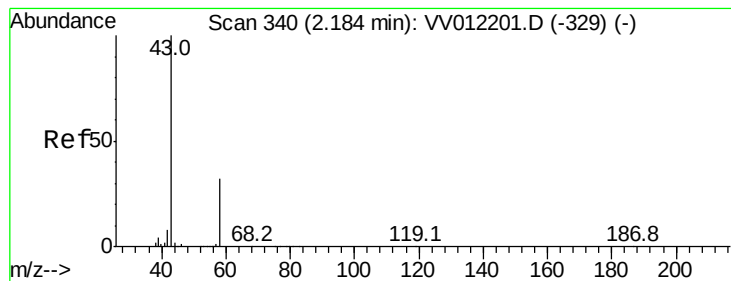


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 24.185 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV012205.D

Acq: 12 Aug 2019 13:19

Instrument :

MSVOA_V

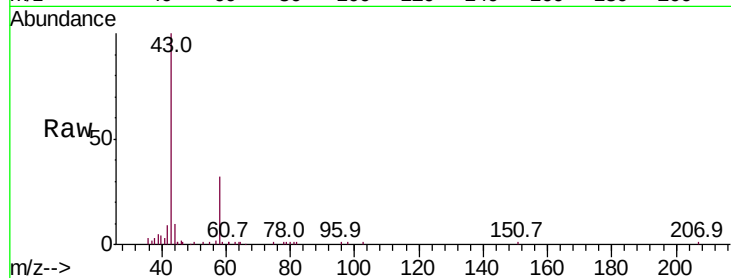
ClientSampleId :

Tot Ion: 43 Resp: 32969

Ion Ratio Lower Upper

43 100

58 33.0 0.0 63.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.19

20000

15000

10000

5000

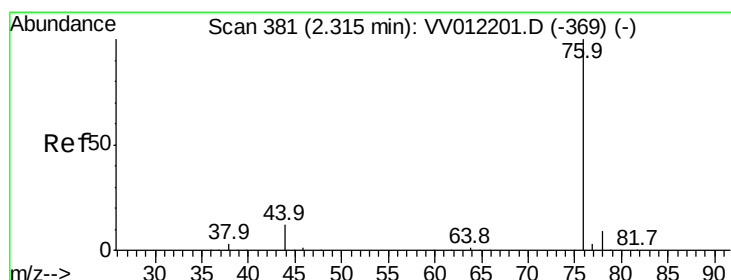
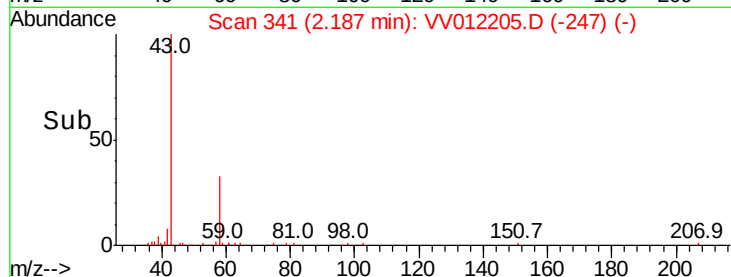
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Time-->

2.15

2.20

2.25



#14

Carbon disulfide

Concen: 10.967 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012205.D

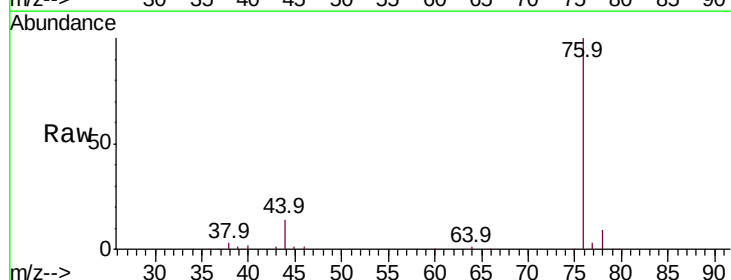
Acq: 12 Aug 2019 13:19

Tgt Ion: 76 Resp: 78171

Ion Ratio Lower Upper

76 100

78 9.0 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

60000

50000

40000

30000

20000

10000

0

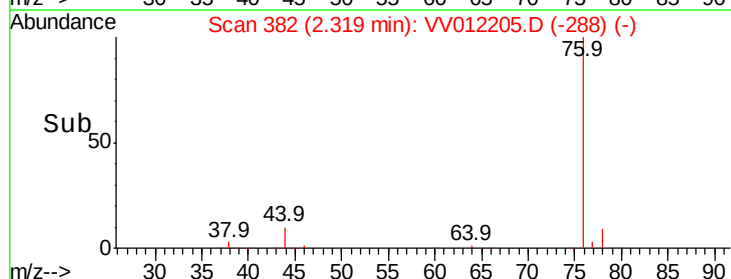
Time-->

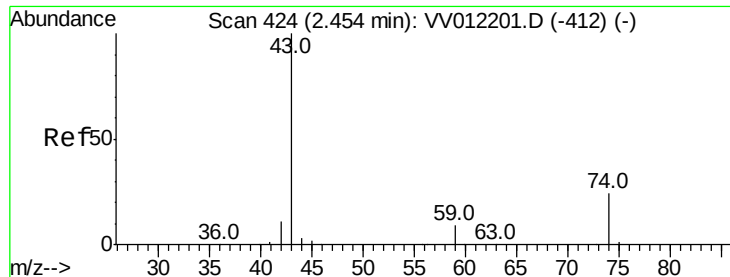
2.25

2.30

2.35

2.40

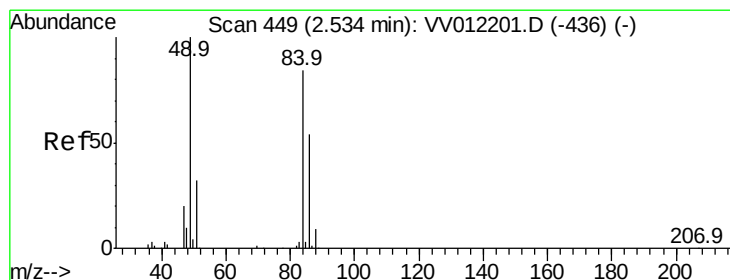
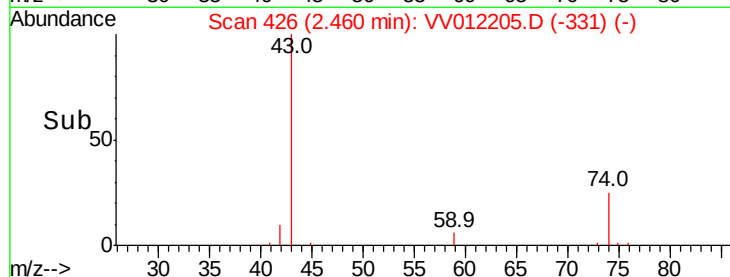
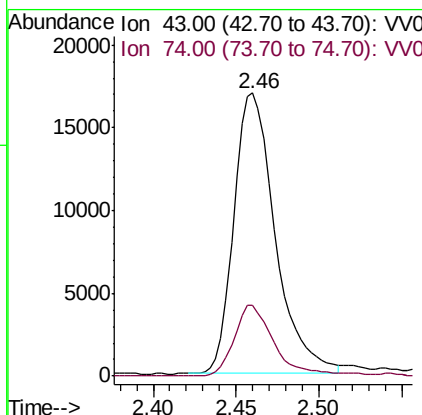
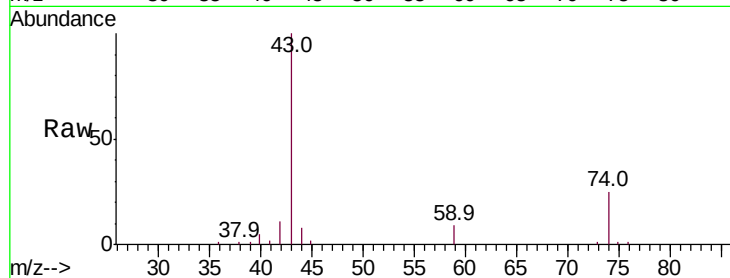




#15
Methvl Acetate
Concen: 11.067 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.01 min
Lab File: VV012205.D
Acq: 12 Aug 2019 13:19

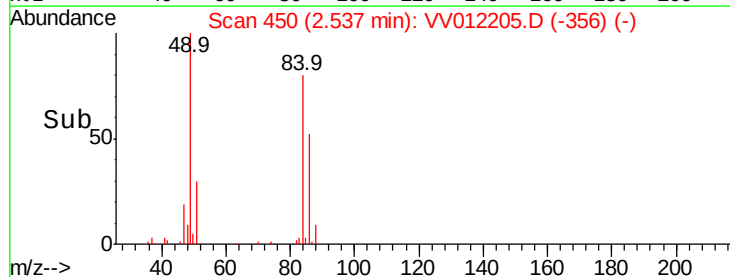
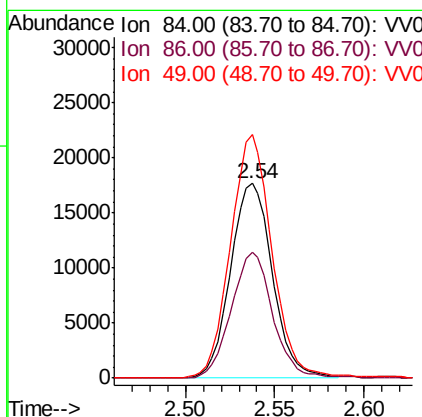
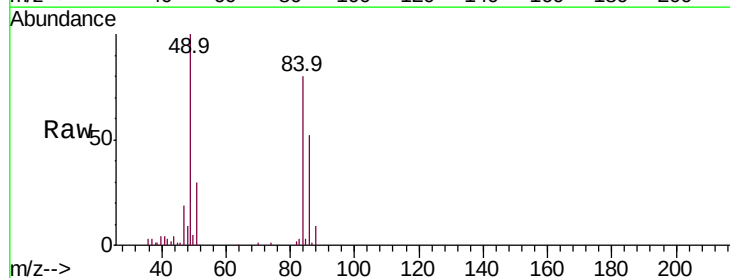
Instrument :
MSVOA_V
ClientSampleId :

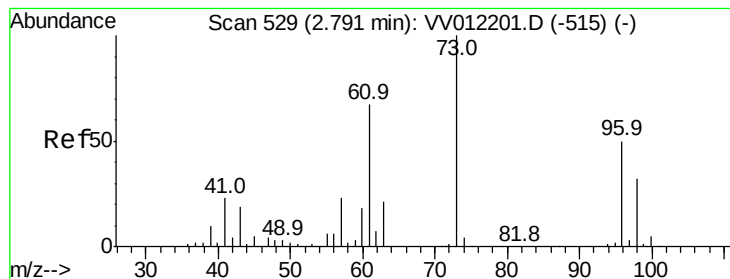
Tot Ion: 43 Resp: 29433
Ion Ratio Lower Upper
43 100
74 24.2 19.4 29.0



#16
Methylene chloride
Concen: 9.758 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV012205.D
Acq: 12 Aug 2019 13:19

Tgt Ion: 84 Resp: 29036
Ion Ratio Lower Upper
84 100
86 64.8 44.9 83.5
49 125.2 83.7 155.5





#17

trans-1,2-Dichloroethene

Concen: 9.725 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

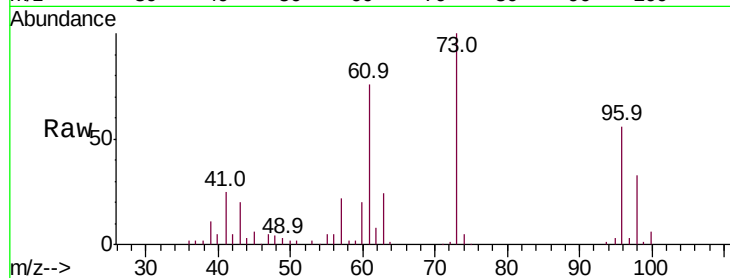
Lab File: VV012205.D

Acq: 12 Aug 2019 13:19

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 27368

Ion	Ratio	Lower	Upper
96	100		
61	134.2	94.8	176.2
98	59.0	44.9	83.5

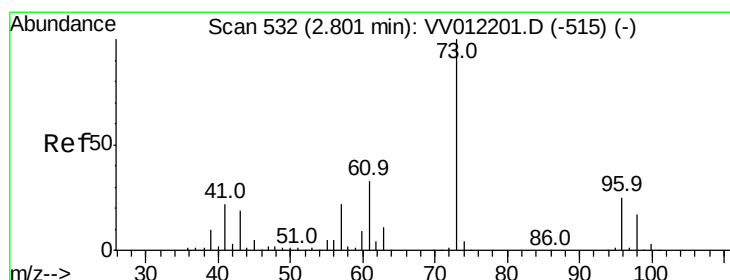
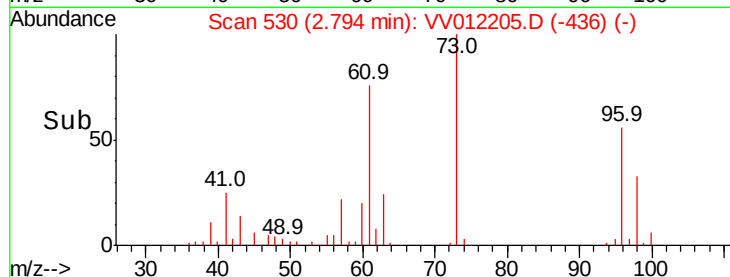
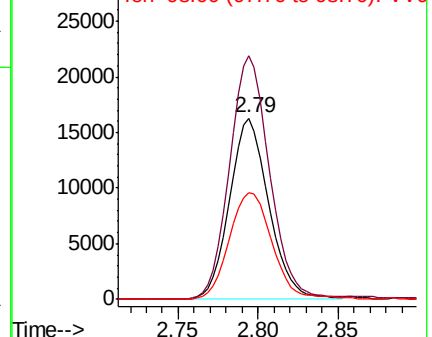


Abundance

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: 8.942 ug/L

RT: 2.80 min Scan# 533

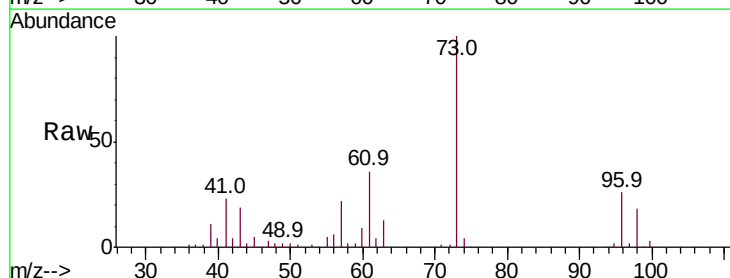
Delta R.T. 0.00 min

Lab File: VV012205.D

Acq: 12 Aug 2019 13:19

Tgt Ion: 73 Resp: 79720

Ion	Ratio	Lower	Upper
73	100		
43	19.1	15.1	22.7
57	22.4	18.0	27.0

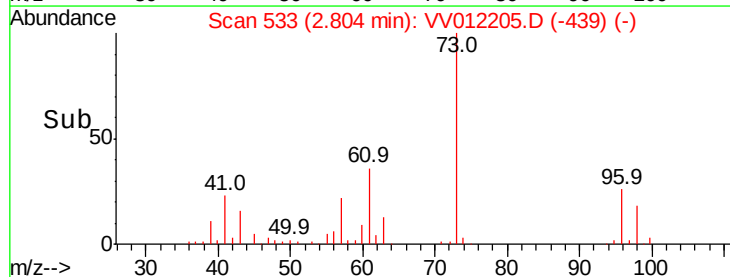
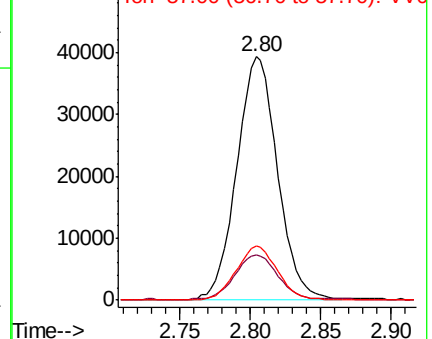


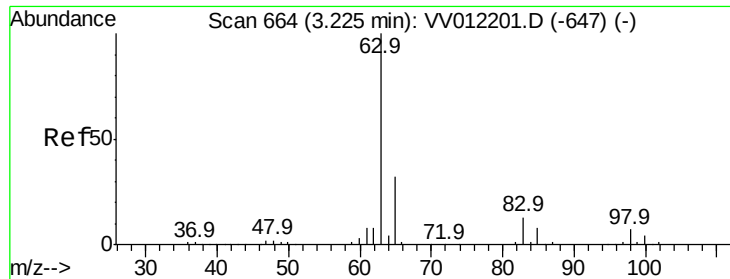
Abundance

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

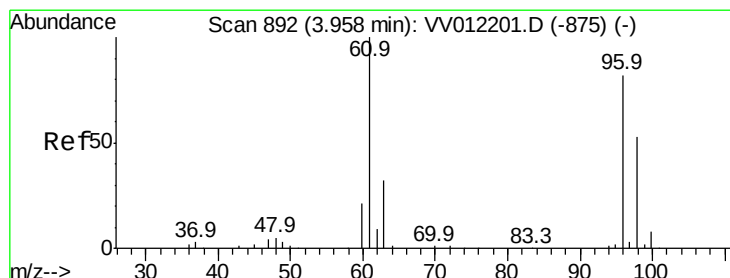
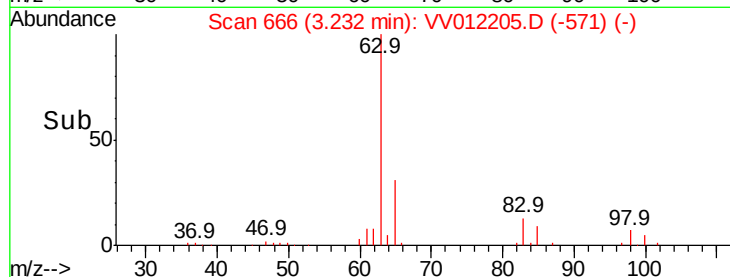
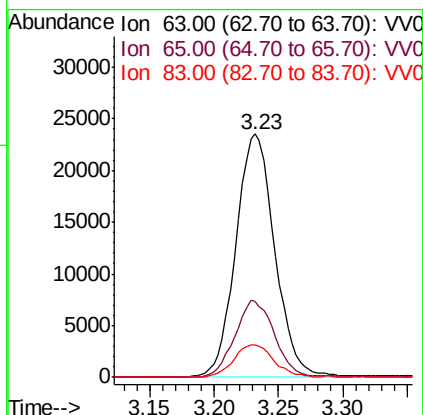
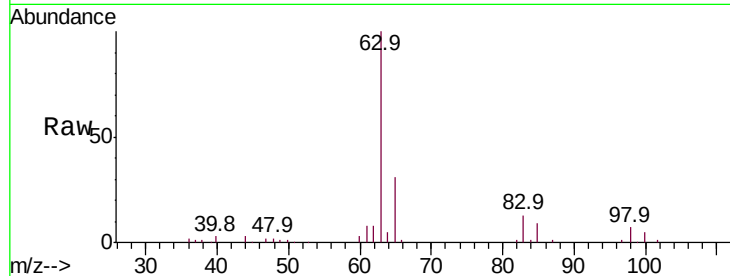




#19
 1,1-Dichloroethane
 Concen: 9.871 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VV012205.D
 Acq: 12 Aug 2019 13:19

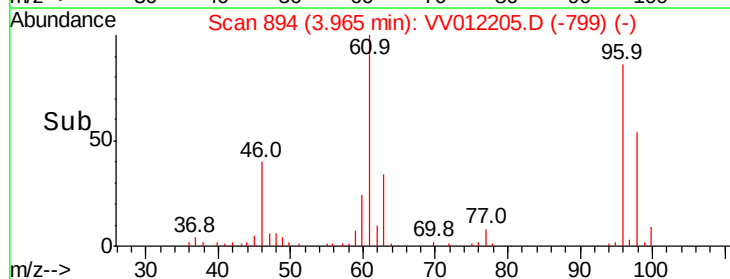
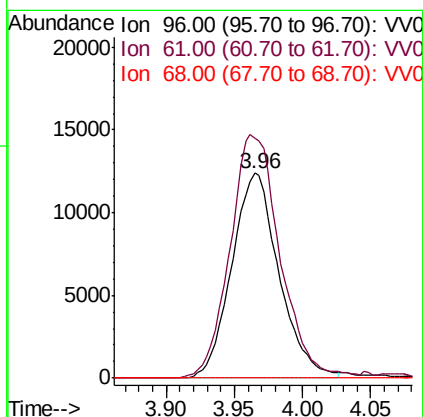
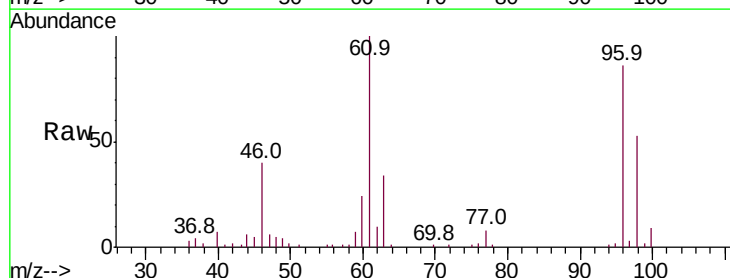
Instrument :
 MSVOA_V
 ClientSampled :

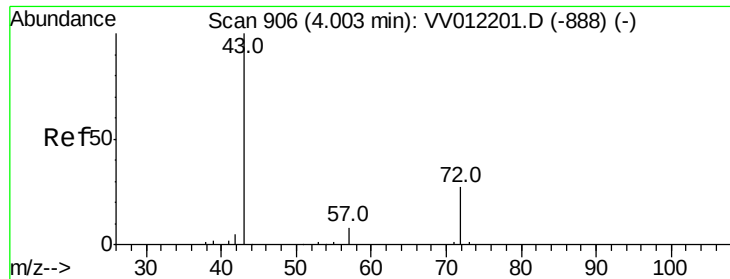
Tot Ion: 63 Resp: 49456
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.0 41.0
 83 13.4 9.2 17.0



#20
 cis-1,2-Dichloroethene
 Concen: 9.393 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: VV012205.D
 Acq: 12 Aug 2019 13:19

Tgt Ion: 96 Resp: 29886
 Ion Ratio Lower Upper
 96 100
 61 116.7 85.8 159.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 20.802 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.02 min

Lab File: VV012205.D

Acq: 12 Aug 2019 13:19

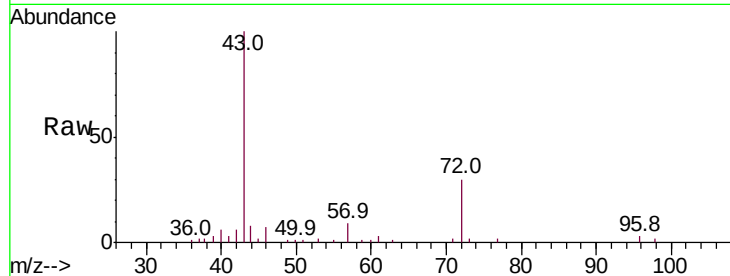
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 41116

Ion Ratio Lower Upper

43 100

72 26.9 13.5 40.4



Abundance Ion 43.00 (42.70 to 43.70): VV012205.D (-911) (-)

Ion 72.00 (71.70 to 72.70): VV012205.D (-911) (-)

4.02

15000

10000

5000

0

Time-->

3.90 4.00 4.10

4.02

4.02

4.02

4.02

4.02

4.02

4.02

4.02

4.02

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4.02

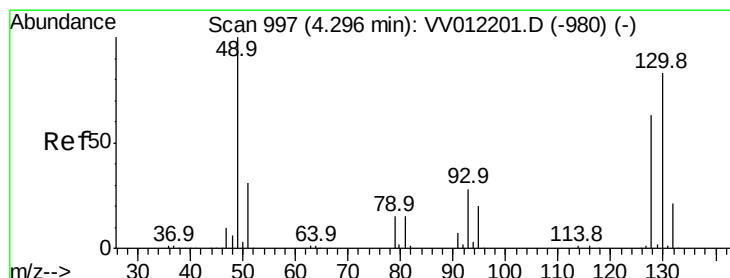
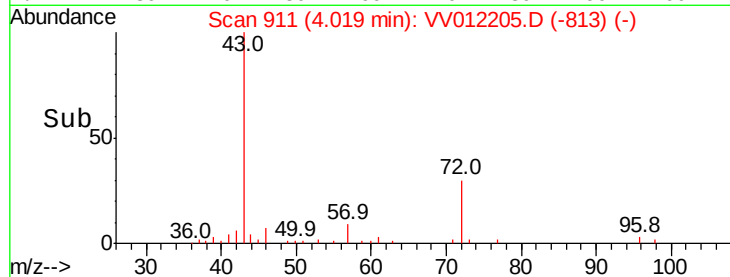
4.02

4.02

4.02

4.02

4.02



#23

Bromochloromethane

Concen: 9.411 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV012205.D

Acq: 12 Aug 2019 13:19

Tgt Ion: 128 Resp: 16193

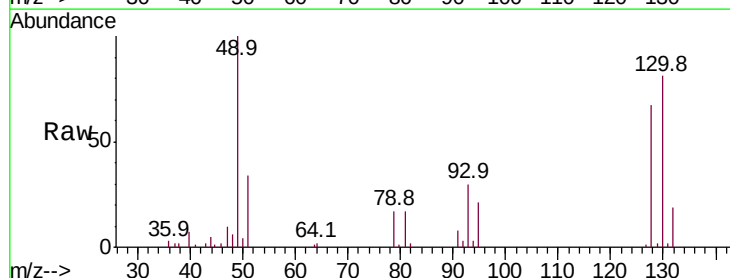
Ion Ratio Lower Upper

128 100

49 150.2 111.0 206.2

130 121.9 91.3 169.6

51 51.4 39.8 59.6



Abundance Ion 128.00 (127.70 to 128.70): VV012205.D (-998) (-)

Ion 49.00 (48.70 to 49.70): VV012205.D (-998) (-)

Ion 130.00 (129.70 to 130.70): VV012205.D (-998) (-)

Ion 51.00 (50.70 to 51.70): VV012205.D (-998) (-)

4.30

15000

10000

5000

0

Time-->

4.20 4.25 4.30 4.35 4.40

4.30

4.30

4.30

4.30

4.30

4.30

4.30

4.30

4.30

4.30

4.30

4.30

4.30

4.30

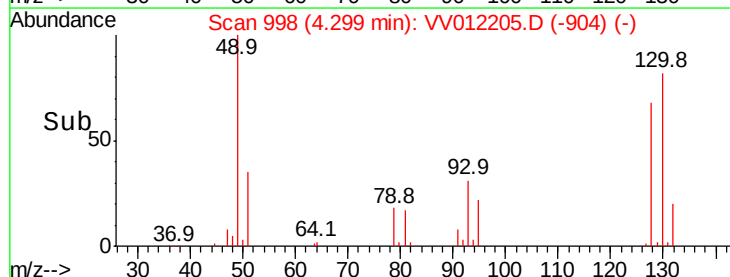
4.30

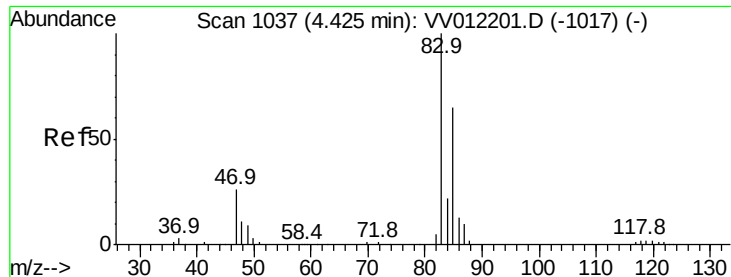
4.30

4.30

4.30

4.30

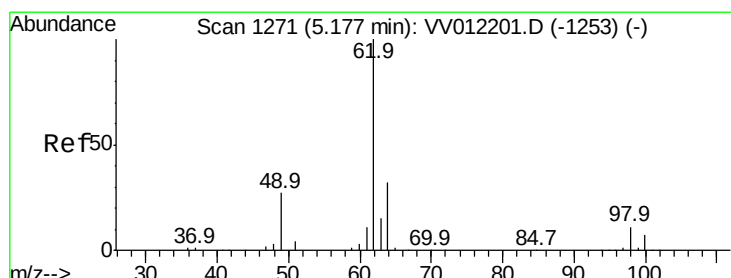
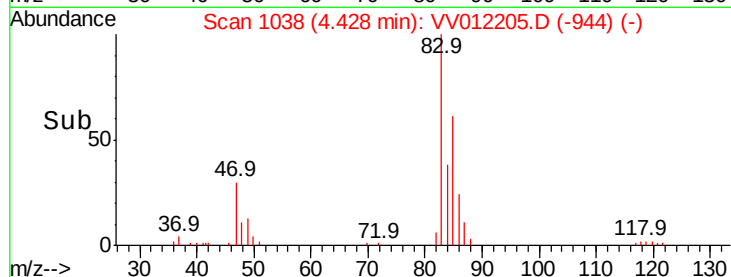
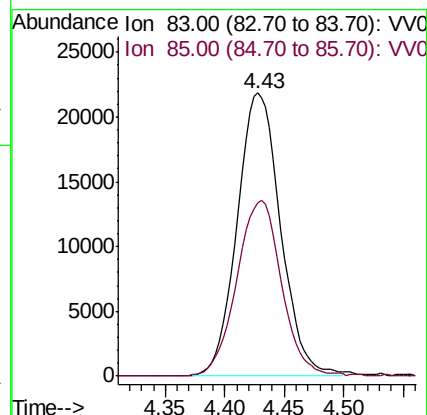
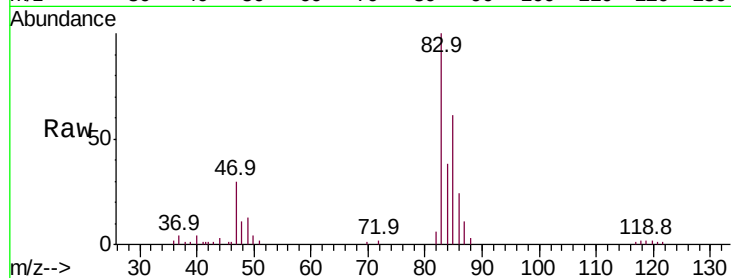




#25
Chloroform
Concen: 9.991 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012205.D
Acq: 12 Aug 2019 13:19

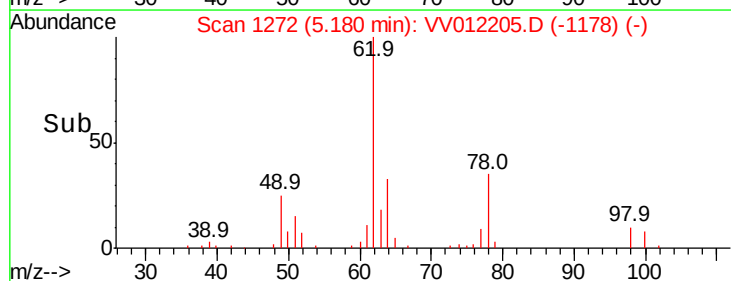
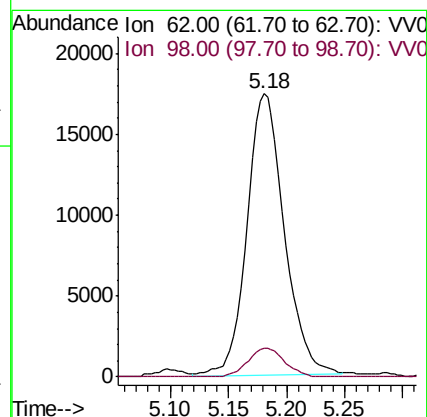
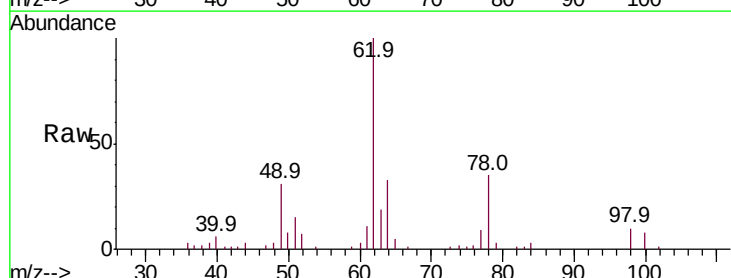
Instrument :
MSVOA_V
ClientSampled :

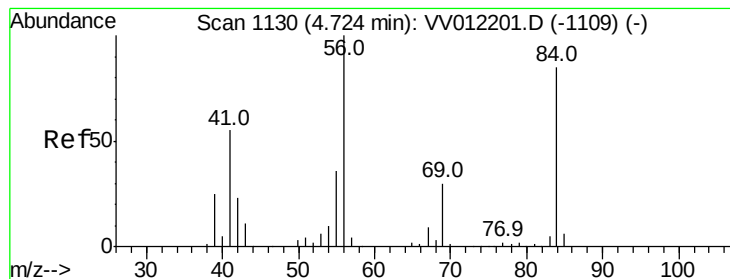
Tot Ion: 83 Resp: 55343
Ion Ratio Lower Upper
83 100
85 61.2 45.4 84.2



#27
1,2-Dichloroethane
Concen: 9.039 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012205.D
Acq: 12 Aug 2019 13:19

Tgt Ion: 62 Resp: 38927
Ion Ratio Lower Upper
62 100
98 10.1 8.4 12.6





#29

Cyclohexane

Concen: 9.964 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV012205.D

Acq: 12 Aug 2019 13:19

Instrument :
MSVOA_V
ClientSampled :

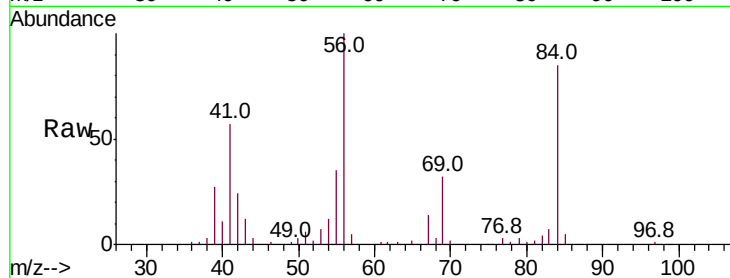
Tot Ion: 56 Resp: 43107

Ion Ratio Lower Upper

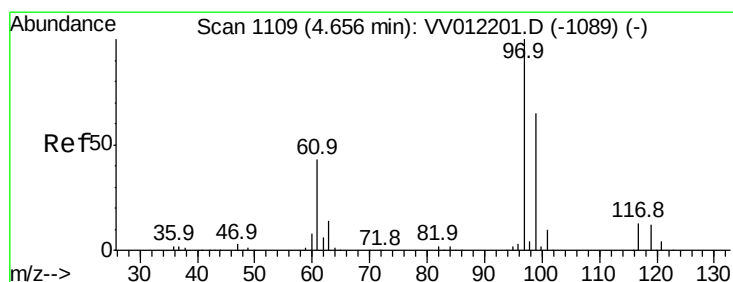
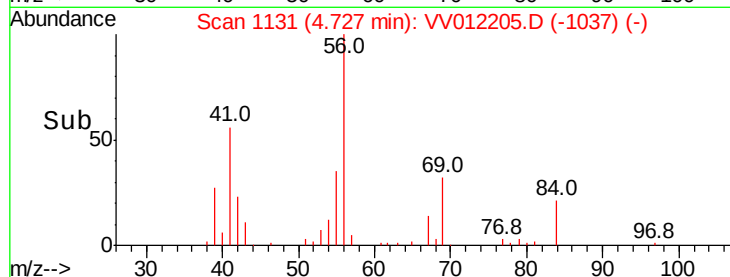
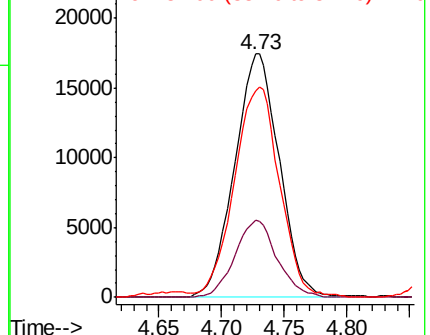
56 100

69 29.9 24.1 36.1

84 84.9 70.3 105.5



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: 8.711 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV012205.D

Acq: 12 Aug 2019 13:19

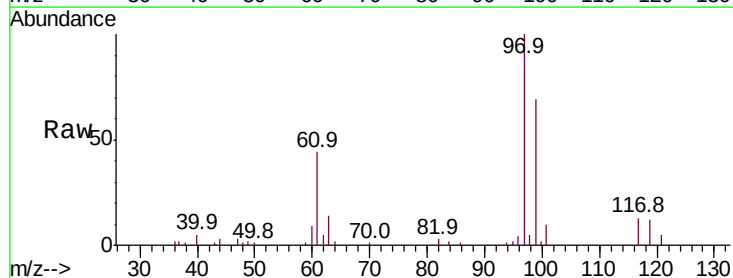
Tgt Ion: 97 Resp: 44334

Ion Ratio Lower Upper

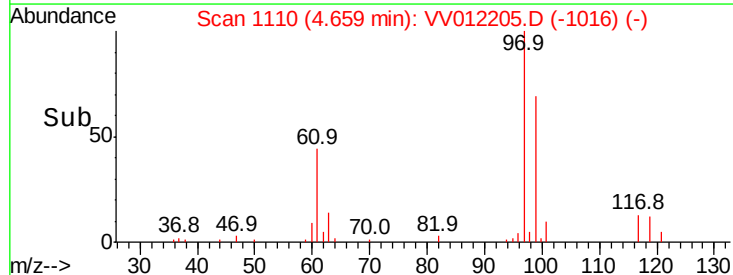
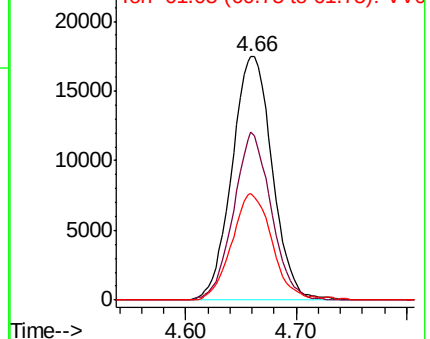
97 100

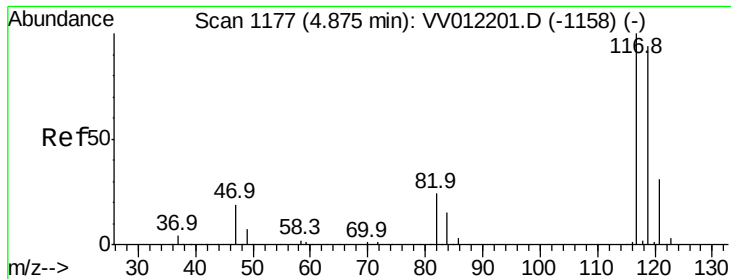
99 64.2 51.4 77.2

61 43.3 34.4 51.6



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: 8.169 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV012205.D

Acq: 12 Aug 2019 13:19

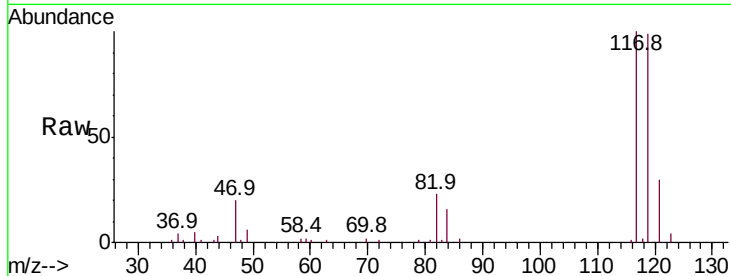
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 38592

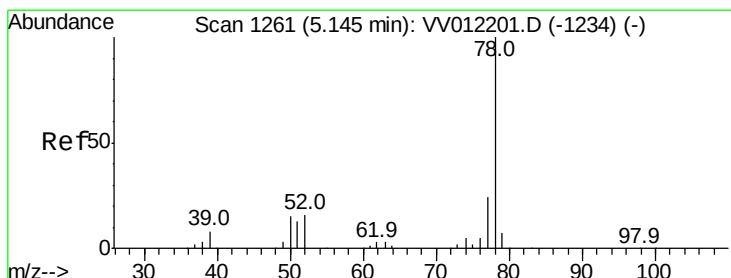
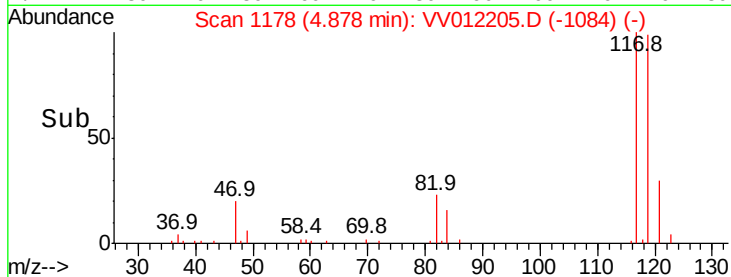
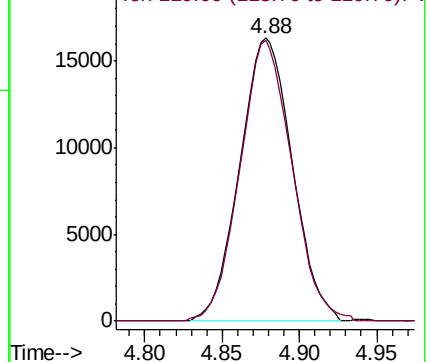
Ion Ratio Lower Upper

117 100

119 97.9 77.1 115.7



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



#33

Benzene

Concen: 9.522 ug/L

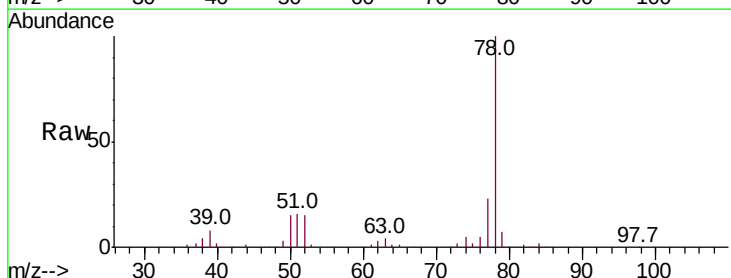
RT: 5.15 min Scan# 1263

Delta R.T. 0.01 min

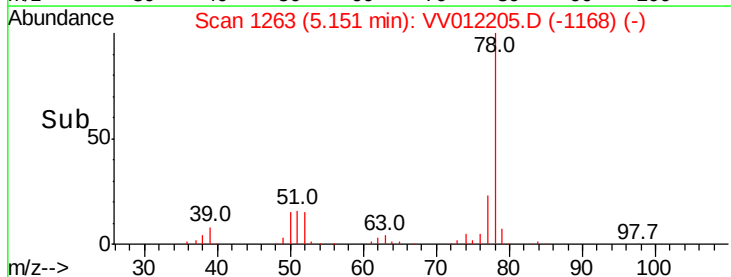
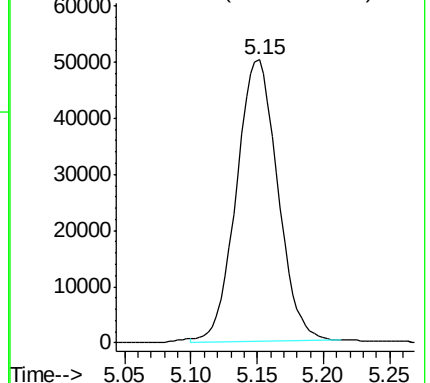
Lab File: VV012205.D

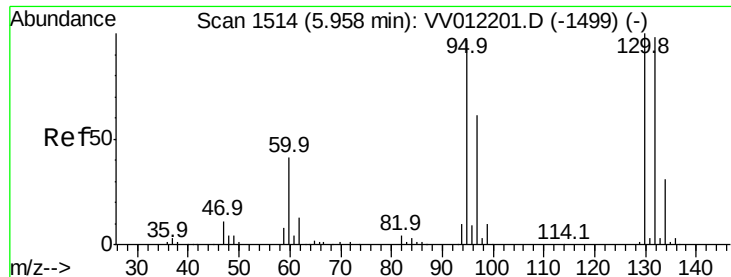
Acq: 12 Aug 2019 13:19

Tgt Ion: 78 Resp: 108745



Abundance Ion 78.00 (77.70 to 78.70): VV0

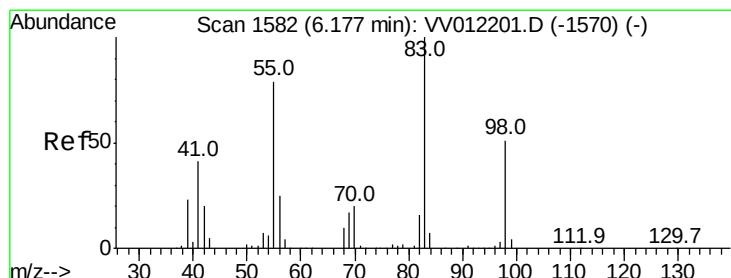
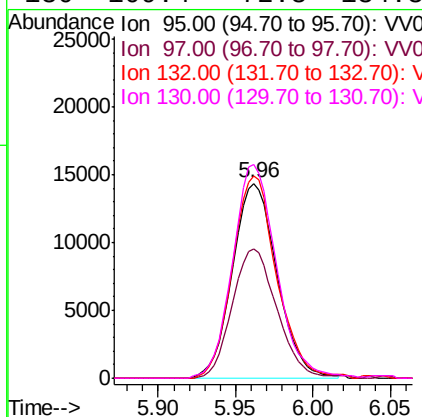
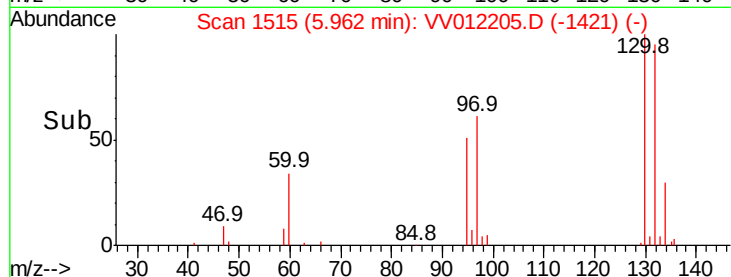
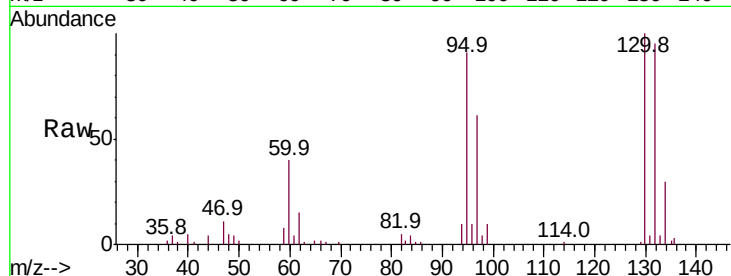




#34
 Trichloroethene
 Concen: 9.376 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV012205.D
 Acq: 12 Aug 2019 13:19

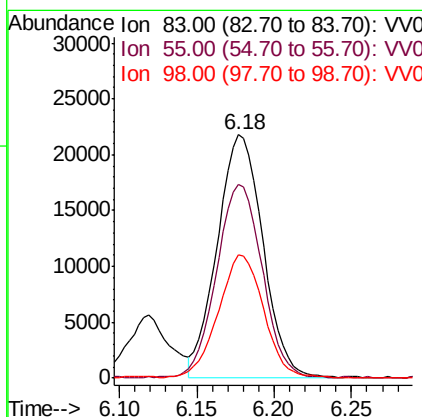
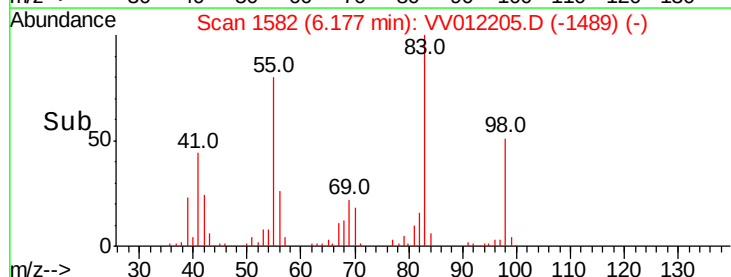
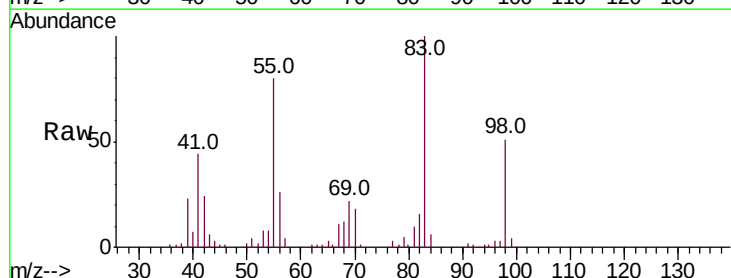
Instrument :
 MSVOA_V
 ClientSampleID :

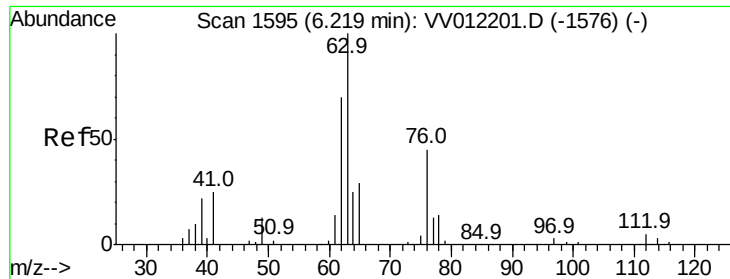
Tot Ion:	95	Resp:	28811
Ion	Ratio	Lower	Upper
95	100		
97	66.5	44.3	82.3
132	103.7	70.7	131.3
130	109.4	72.3	134.3



#35
 Methylcyclohexane
 Concen: 9.127 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV012205.D
 Acq: 12 Aug 2019 13:19

Tgt Ion:	83	Resp:	44830
Ion	Ratio	Lower	Upper
83	100		
55	79.6	60.7	91.1
98	50.2	40.1	60.1

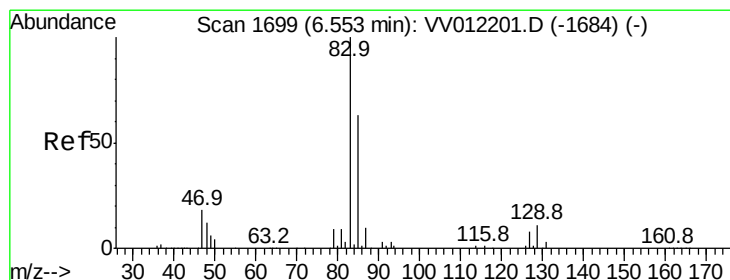
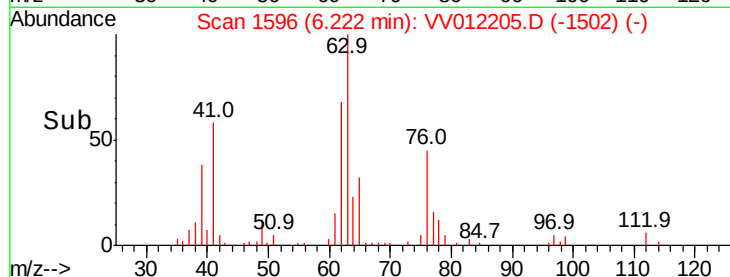
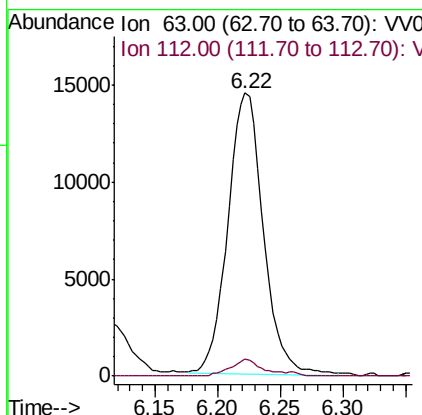
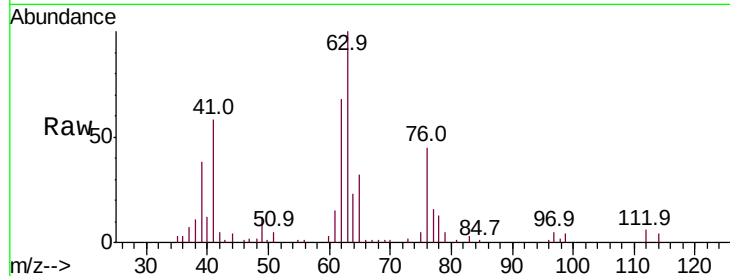




#37
 1,2-Dichloropropane
 Concen: 10.281 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV012205.D
 Acq: 12 Aug 2019 13:19

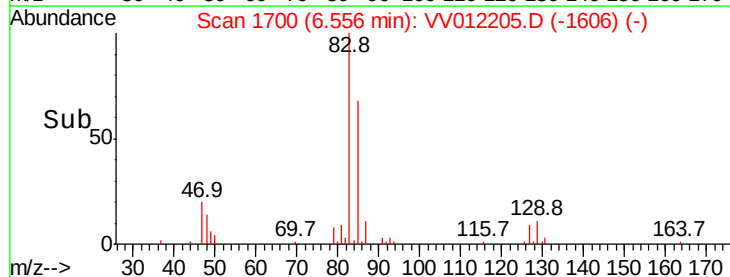
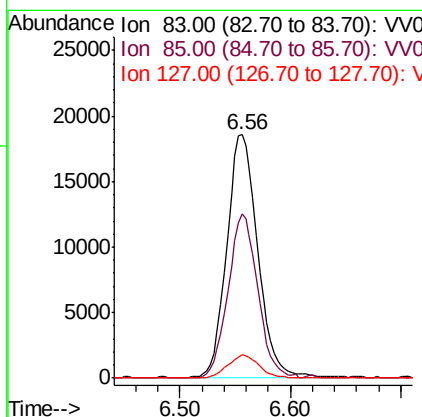
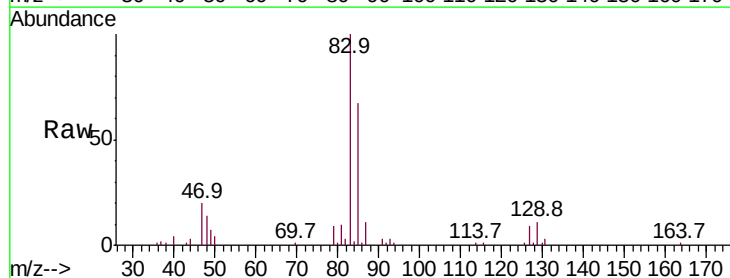
Instrument :
 MSVOA_V
 ClientSampleId :

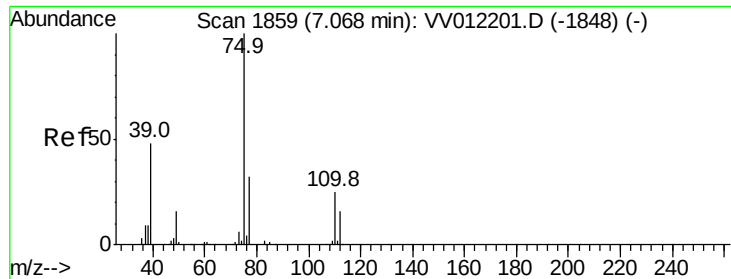
Tot Ion: 63 Resp: 28492
 Ion Ratio Lower Upper
 63 100
 112 5.3 4.0 6.0



#38
 Bromodichloromethane
 Concen: 8.695 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV012205.D
 Acq: 12 Aug 2019 13:19

Tgt Ion: 83 Resp: 36422
 Ion Ratio Lower Upper
 83 100
 85 67.2 44.2 82.0
 127 9.4 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 8.685 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

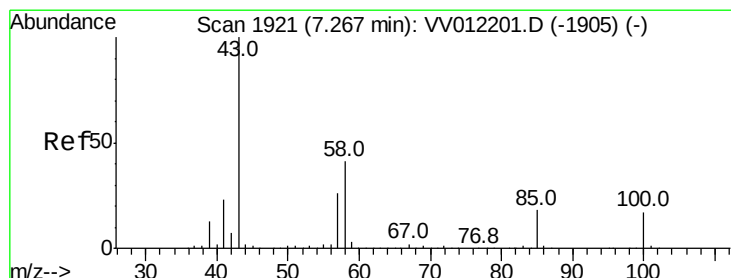
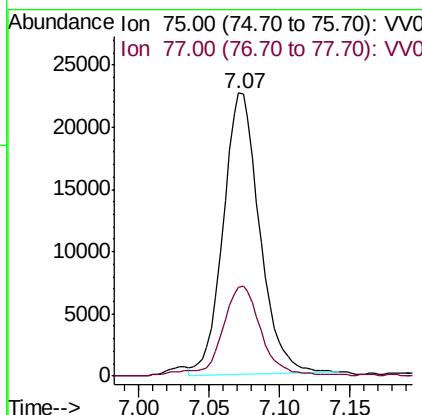
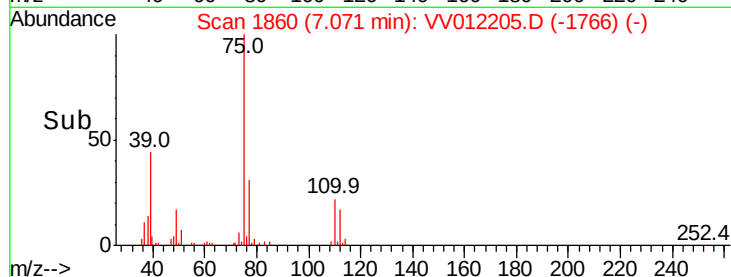
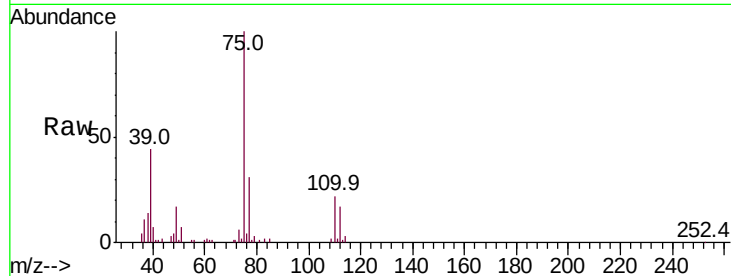
Lab File: VV012205.D

Acq: 12 Aug 2019 13:19

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 75 Resp: 40614

Ion	Ratio	Lower	Upper
75	100		
77	31.4	22.6	42.0



#40

4-Methyl-2-pentanone

Concen: 20.140 ug/L

RT: 7.27 min Scan# 1922

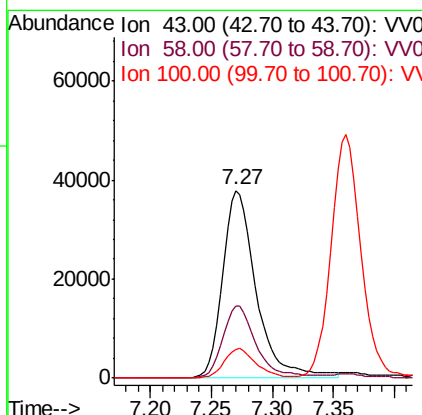
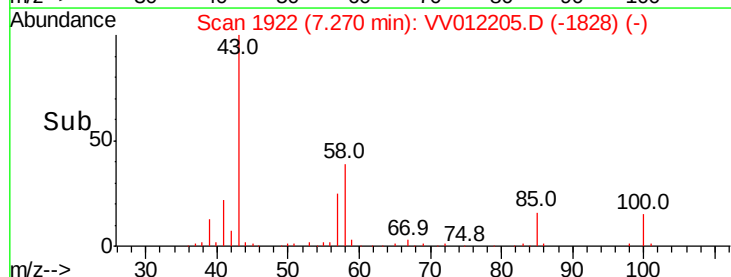
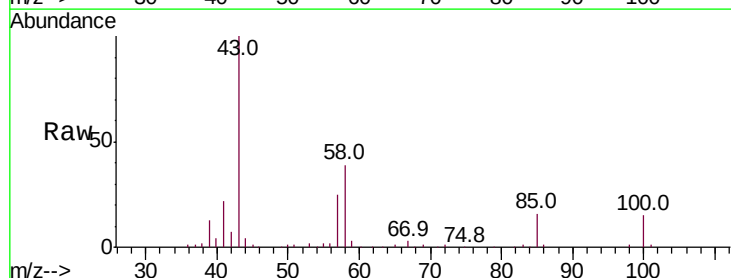
Delta R.T. 0.00 min

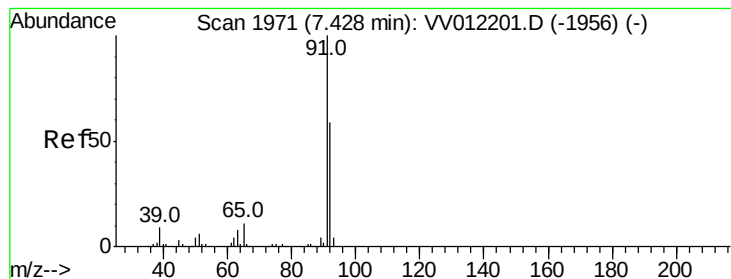
Lab File: VV012205.D

Acq: 12 Aug 2019 13:19

Tgt Ion: 43 Resp: 72517

Ion	Ratio	Lower	Upper
43	100		
58	38.5	32.3	48.5
100	15.2	13.2	19.8





#42

Toluene

Concen: 9.137 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012205.D

Acq: 12 Aug 2019 13:19

Instrument :

MSVOA_V

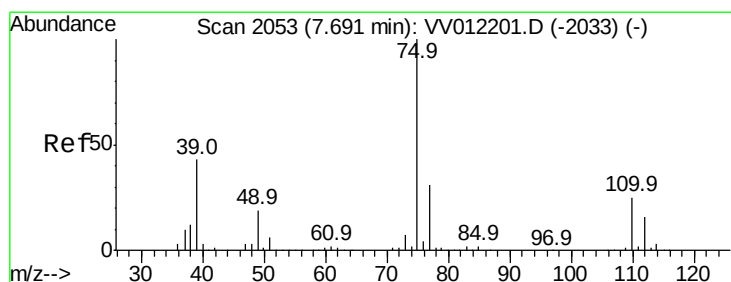
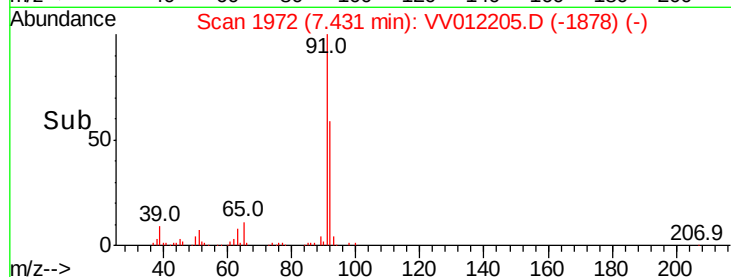
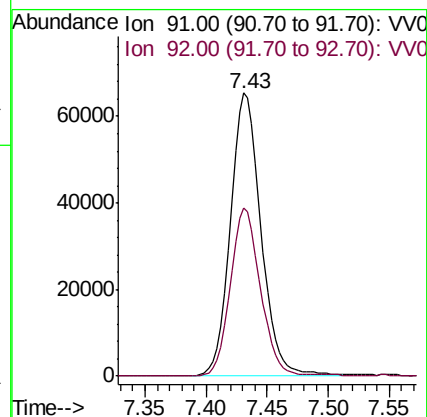
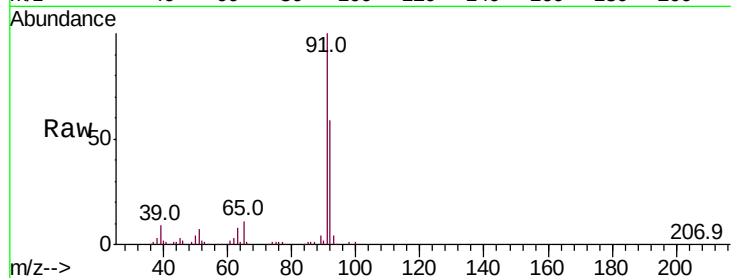
ClientSampleId :

Tot Ion: 91 Resp: 114829

Ion Ratio Lower Upper

91 100

92 59.5 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 8.709 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012205.D

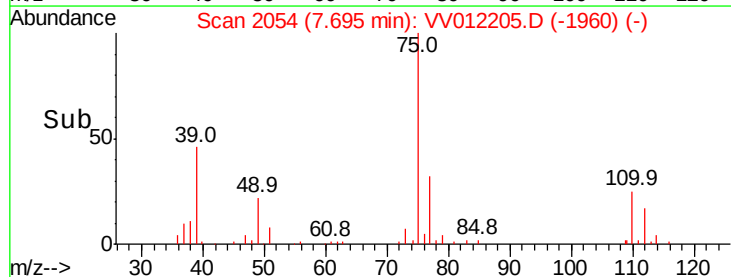
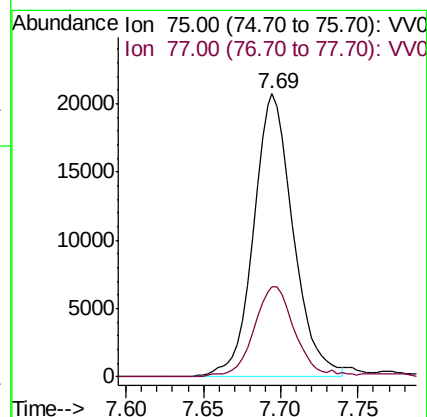
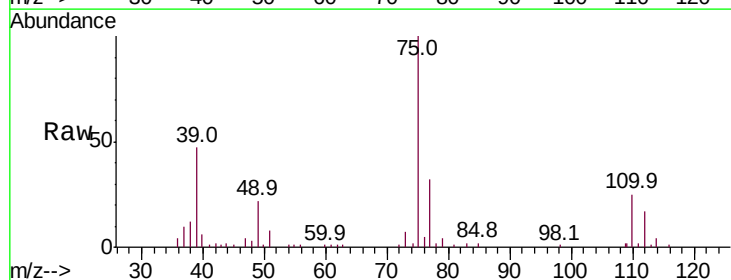
Acq: 12 Aug 2019 13:19

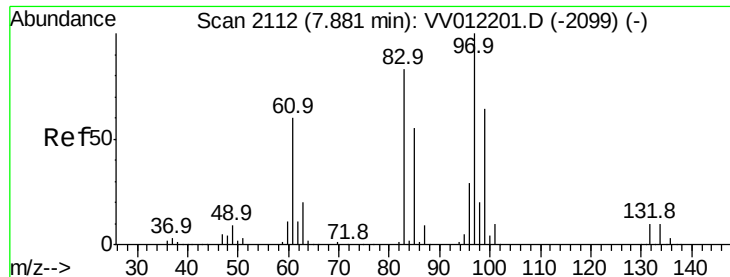
Tgt Ion: 75 Resp: 36956

Ion Ratio Lower Upper

75 100

77 31.9 22.0 40.8

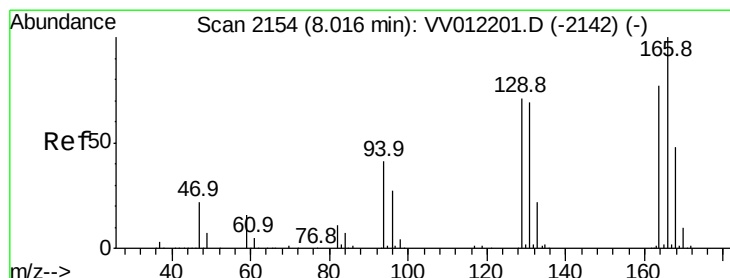
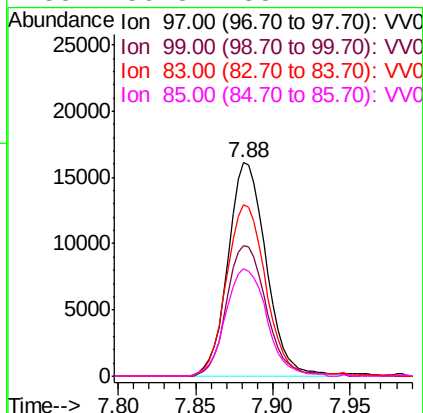
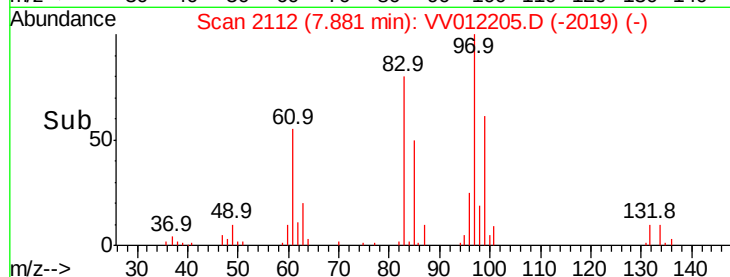
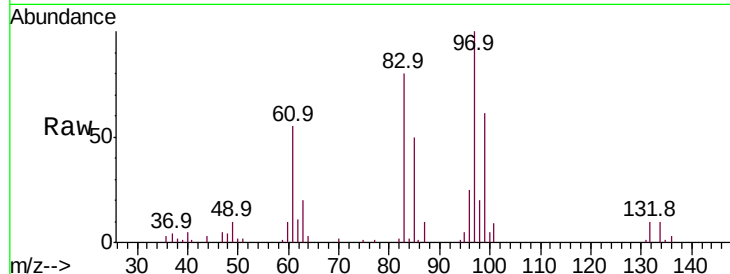




#45
1,1,2-Trichloroethane
Concen: 9.240 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VV012205.D
Acq: 12 Aug 2019 13:19

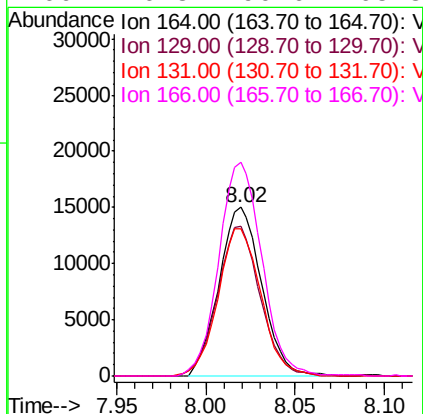
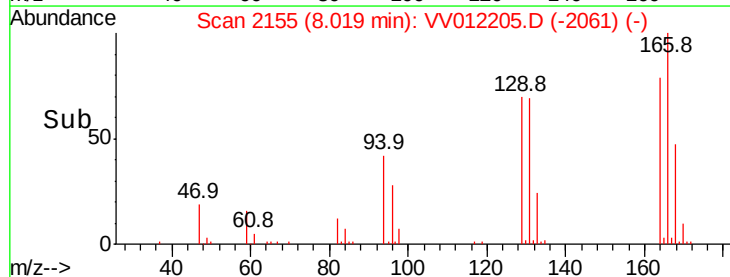
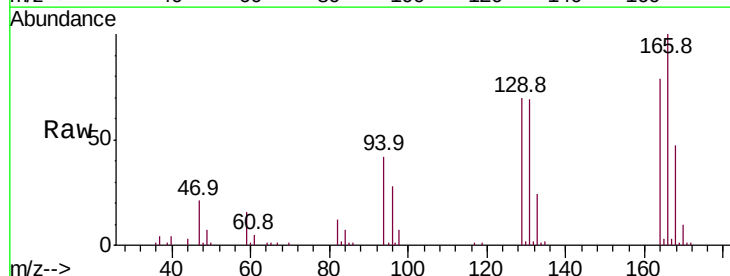
Instrument :
MSVOA_V
ClientSampled :

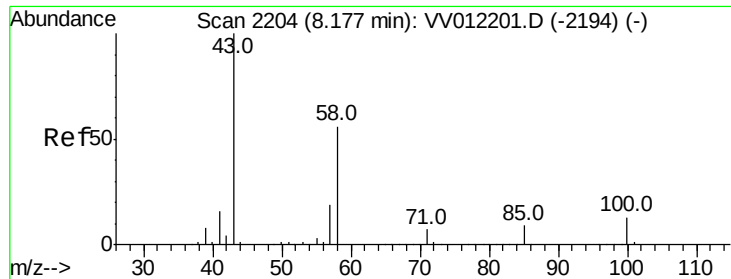
Tot Ion:	97	Resp:	27656
Ion	Ratio	Lower	Upper
97	100		
99	61.1	44.5	82.7
83	80.3	57.8	107.4
85	50.3	38.4	71.4



#46
Tetrachloroethene
Concen: 8.632 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV012205.D
Acq: 12 Aug 2019 13:19

Tgt Ion:	164	Resp:	24983
Ion	Ratio	Lower	Upper
164	100		
129	89.0	64.1	119.1
131	87.7	62.4	115.8
166	126.8	90.6	168.3

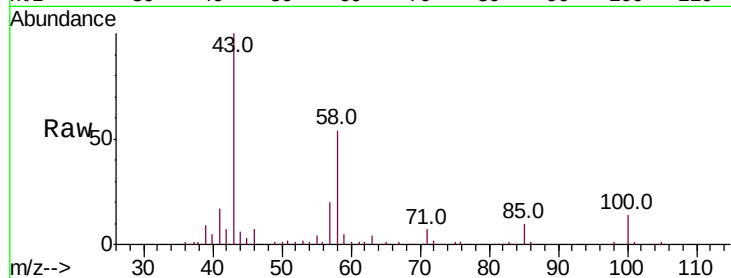




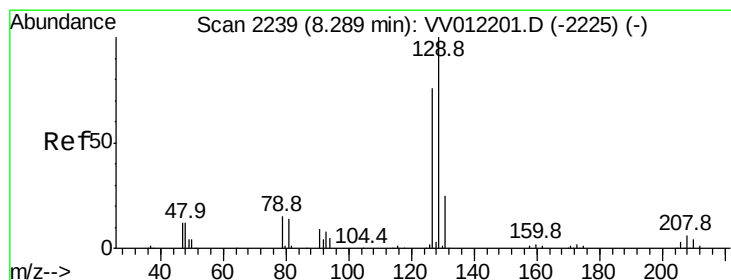
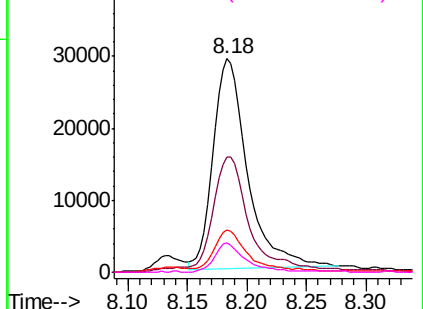
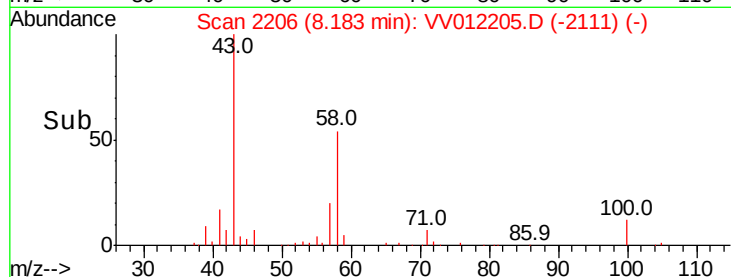
#48
2-Hexanone
Concen: 21.150 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.01 min
Lab File: VV012205.D
Acq: 12 Aug 2019 13:19

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 58626
Ion Ratio Lower Upper
43 100
58 48.3 43.5 65.3
57 17.1 15.1 22.7
100 12.5 10.4 15.6

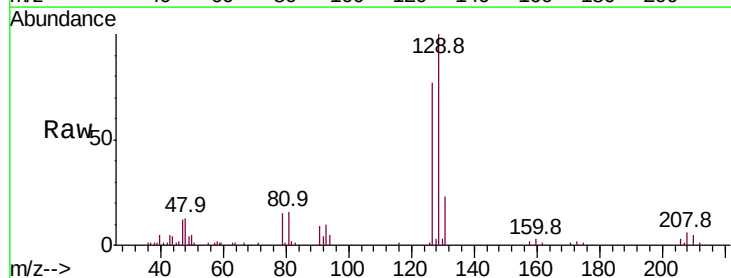


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

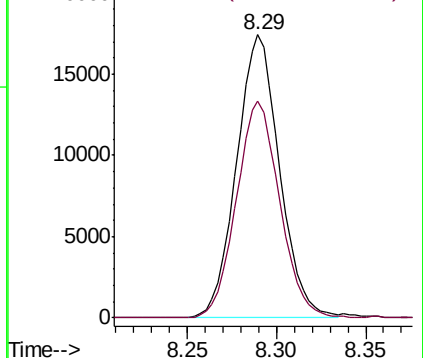
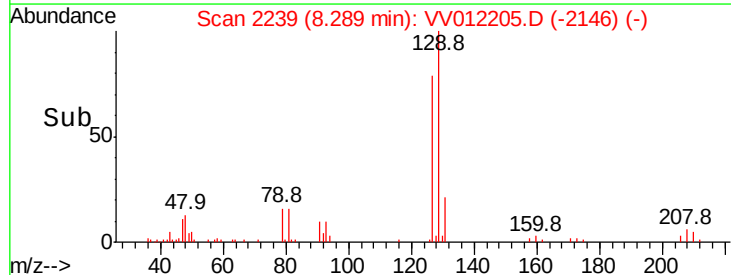


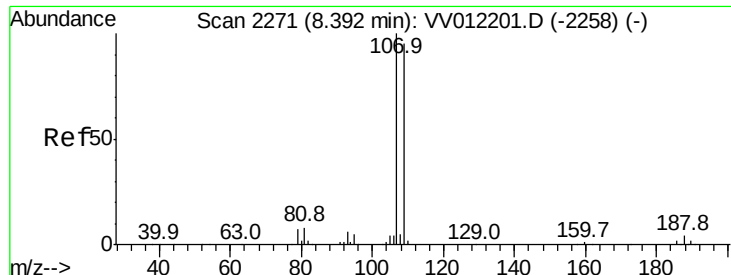
#49
Dibromochloromethane
Concen: 7.849 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012205.D
Acq: 12 Aug 2019 13:19

Tgt Ion: 129 Resp: 29174
Ion Ratio Lower Upper
129 100
127 76.6 53.3 98.9



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

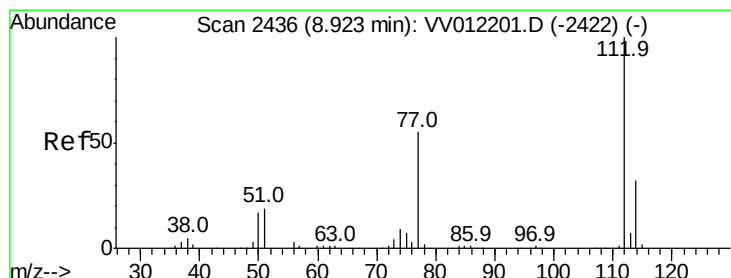
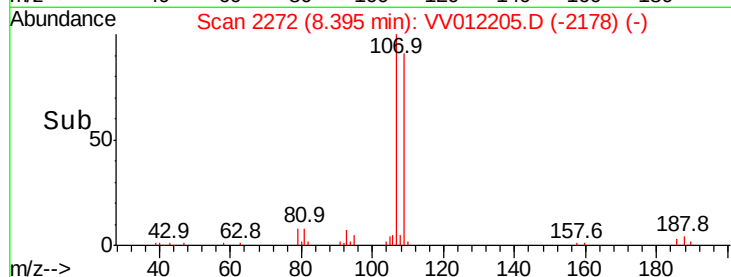
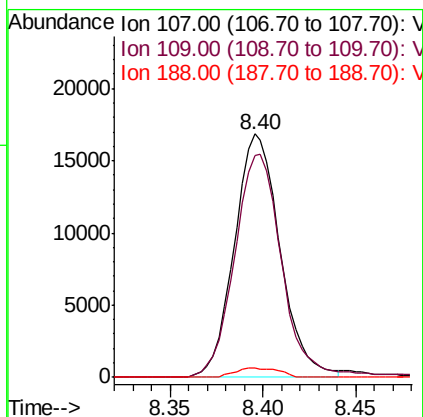
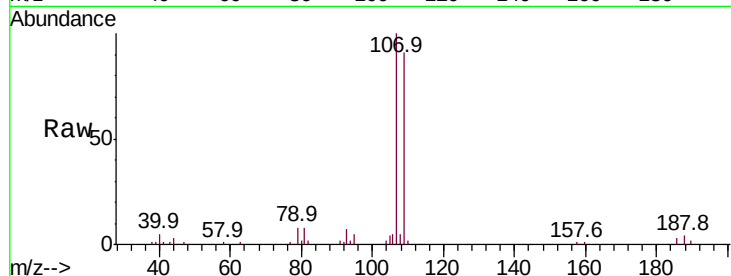




#50
1,2-Dibromoethane
Concen: 8.852 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012205.D
Acq: 12 Aug 2019 13:19

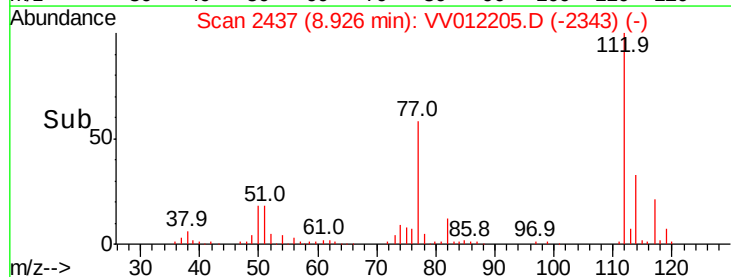
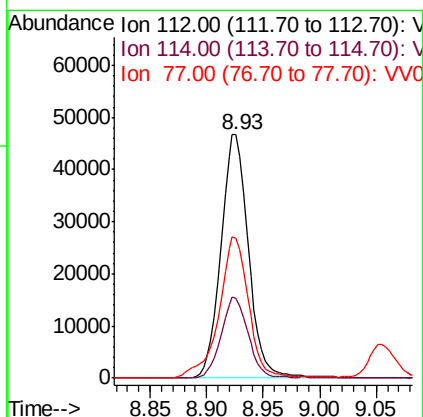
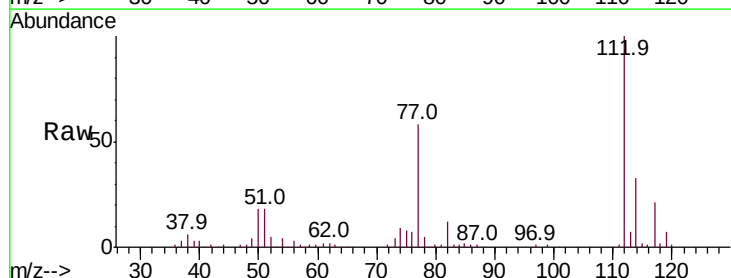
Instrument :
MSVOA_V
ClientSampleId :

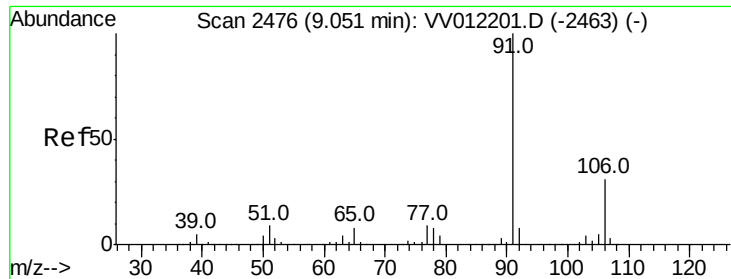
Tot Ion:107 Resp: 28884
Ion Ratio Lower Upper
107 100
109 91.4 66.4 123.4
188 3.7 3.0 4.6



#51
Chlorobenzene
Concen: 9.335 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV012205.D
Acq: 12 Aug 2019 13:19

Tgt Ion:112 Resp: 79419
Ion Ratio Lower Upper
112 100
114 32.5 22.5 41.9
77 57.5 44.4 66.6





#52

Ethylbenzene

Concen: 8.707 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012205.D

Acq: 12 Aug 2019 13:19

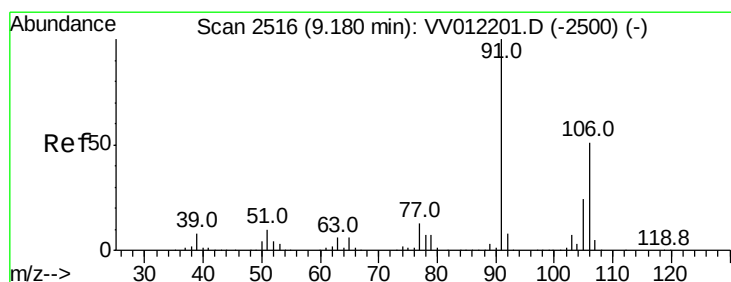
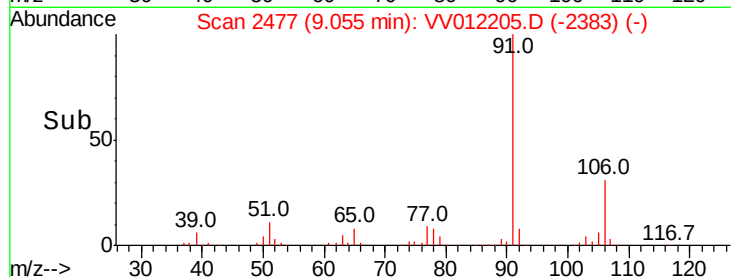
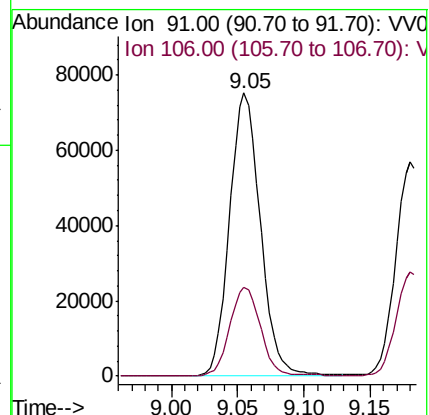
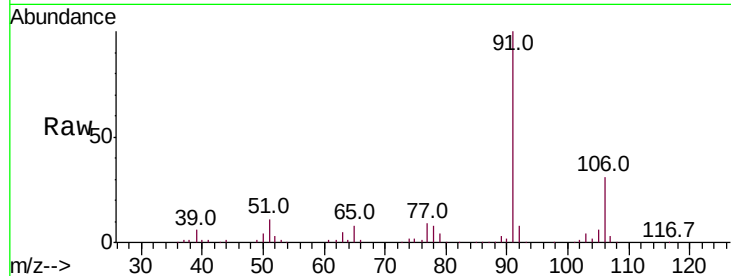
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 121839

Ion Ratio Lower Upper

91 100

106 31.4 21.8 40.4



#53

m,p-Xylene

Concen: 8.171 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012205.D

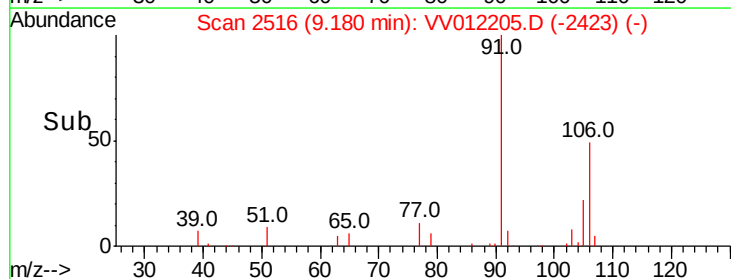
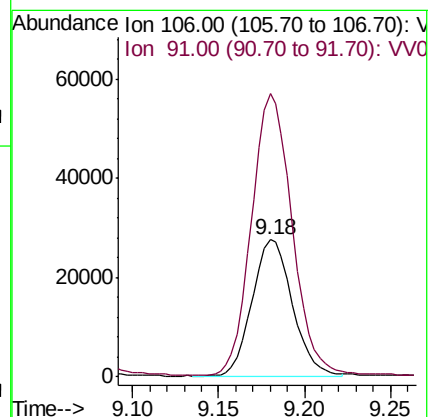
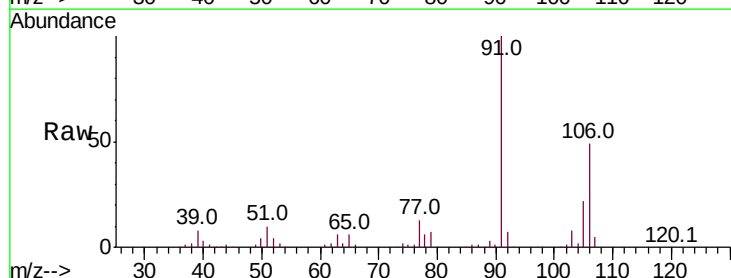
Acq: 12 Aug 2019 13:19

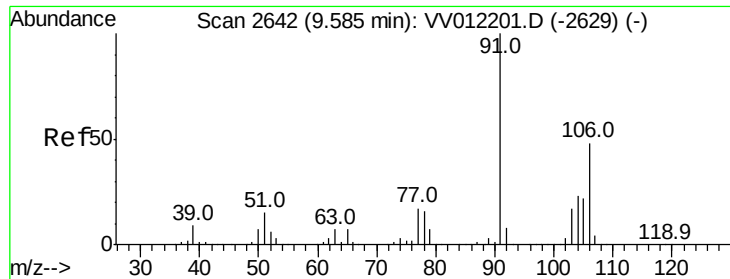
Tgt Ion: 106 Resp: 45131

Ion Ratio Lower Upper

106 100

91 206.0 138.0 256.4





#54

o-xylene

Concen: 8.403 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012205.D

Acq: 12 Aug 2019 13:19

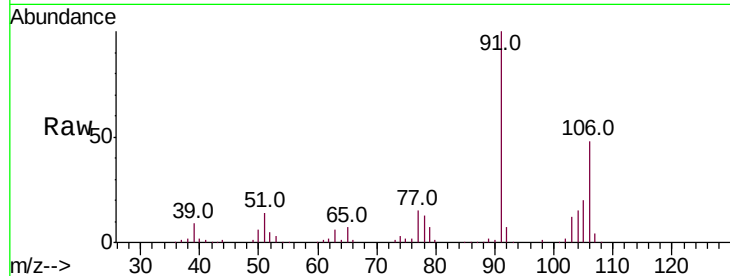
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 45587

Ion Ratio Lower Upper

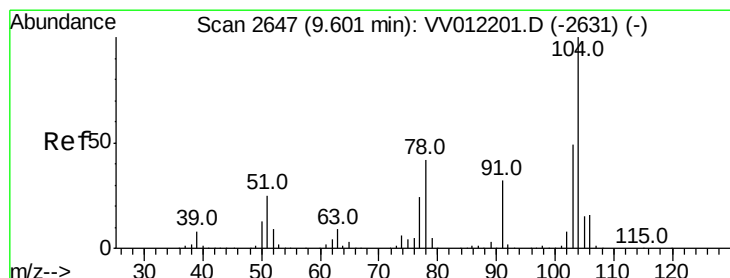
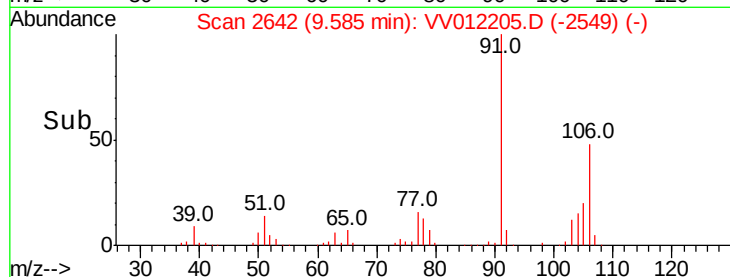
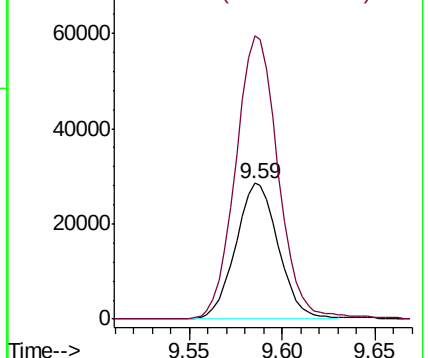
106 100

91 207.9 146.5 272.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 8.300 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012205.D

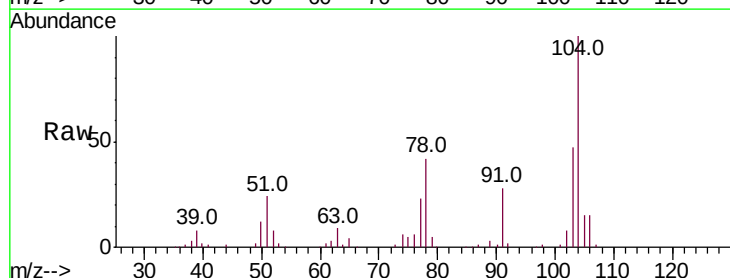
Acq: 12 Aug 2019 13:19

Tgt Ion:104 Resp: 75771

Ion Ratio Lower Upper

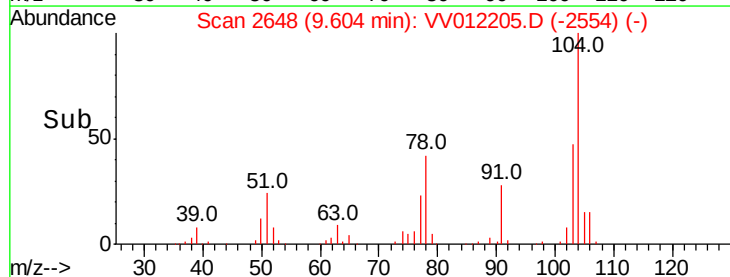
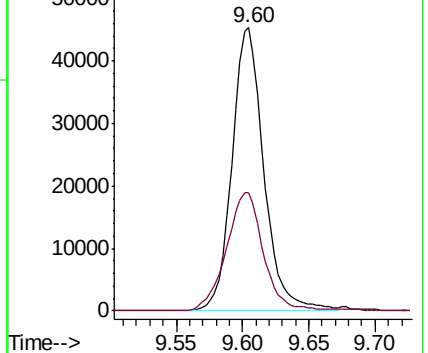
104 100

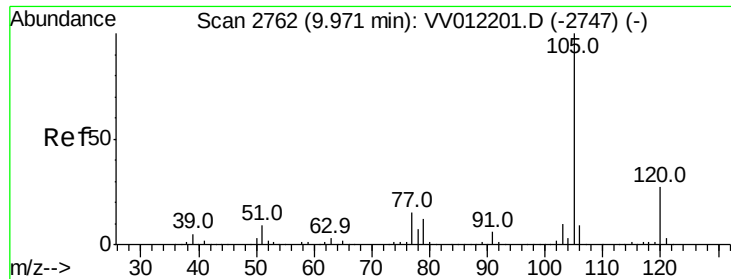
78 42.0 29.5 54.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 8.104 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012205.D

Acq: 12 Aug 2019 13:19

Instrument :

MSVOA_V

ClientSampleId :

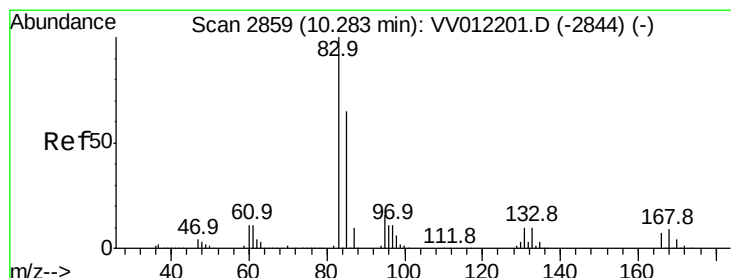
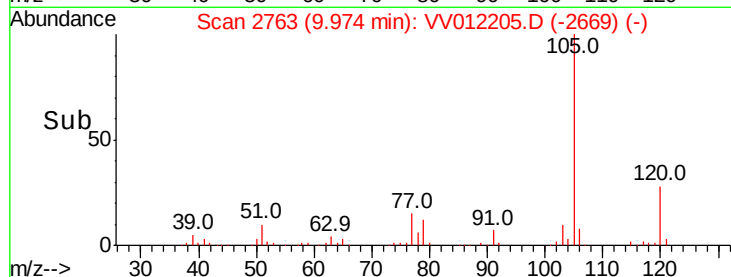
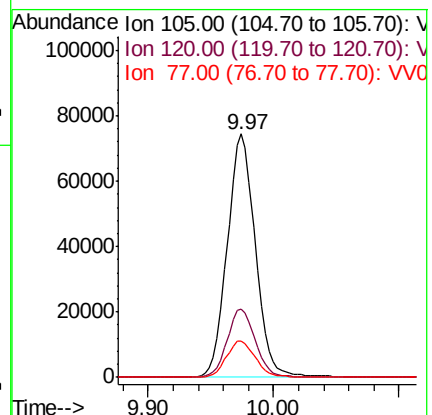
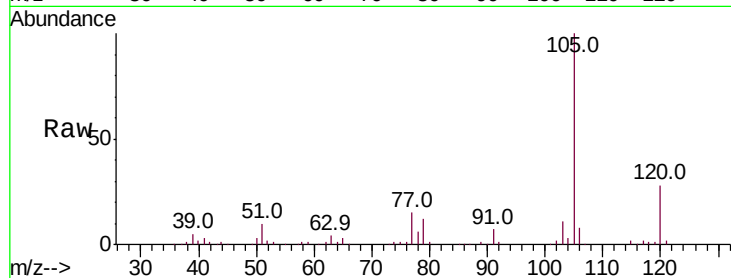
Tot Ion:105 Resp: 115794

Ion Ratio Lower Upper

105 100

120 28.0 21.8 32.8

77 14.9 12.0 18.0



#58

1,1,2,2-Tetrachloroethane

Concen: 9.425 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012205.D

Acq: 12 Aug 2019 13:19

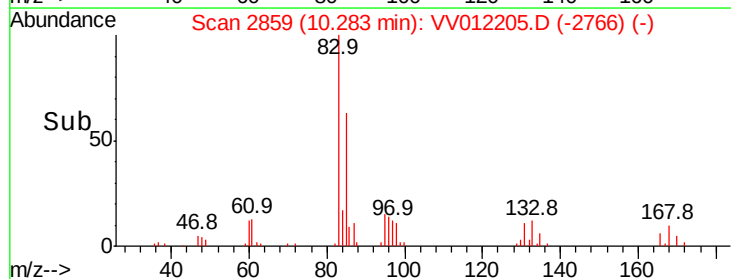
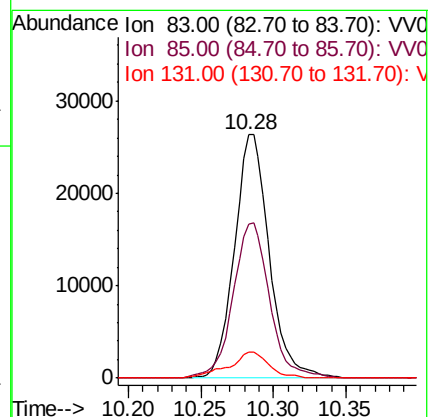
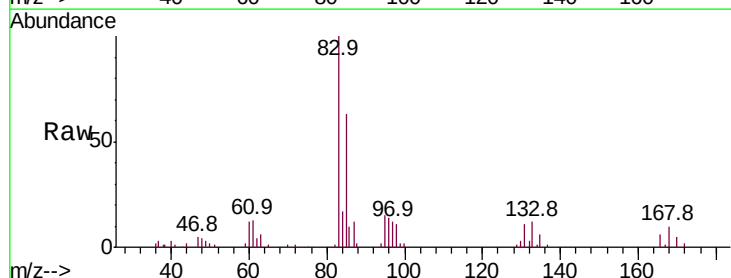
Tgt Ion: 83 Resp: 43843

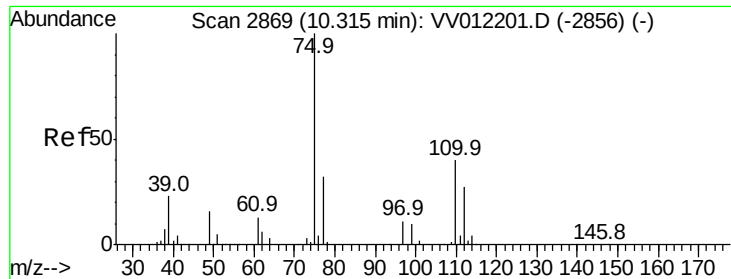
Ion Ratio Lower Upper

83 100

85 63.3 45.3 84.1

131 10.9 8.4 12.6

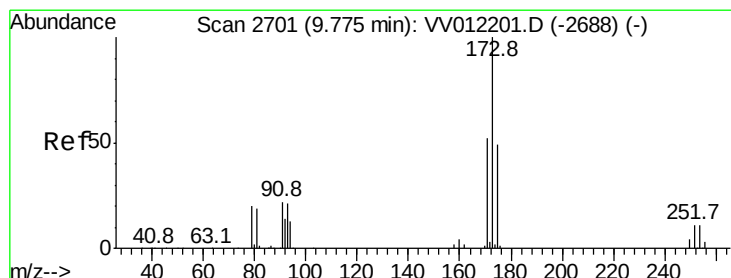
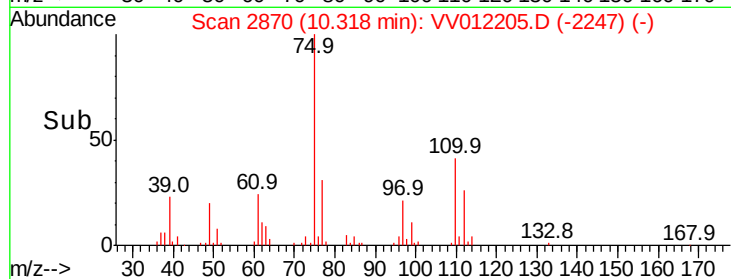
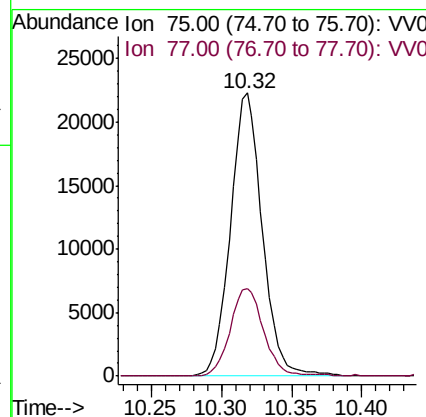
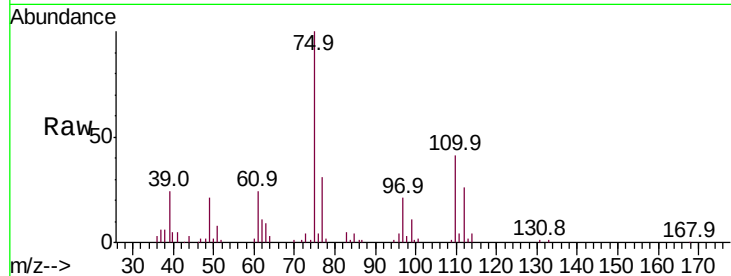




#59
 1,2,3-Trichloropropane
 Concen: 9.535 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV012205.D
 Acq: 12 Aug 2019 13:19

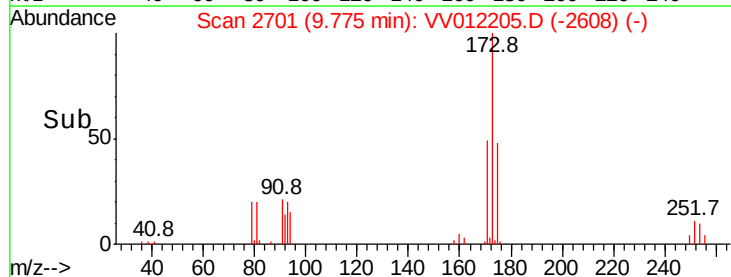
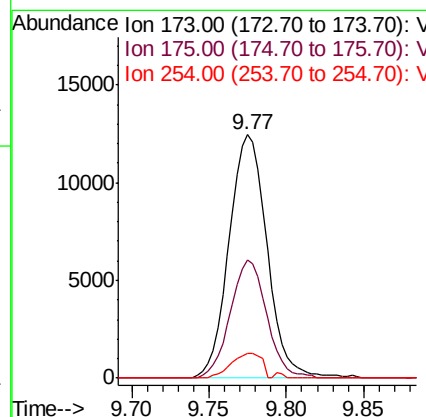
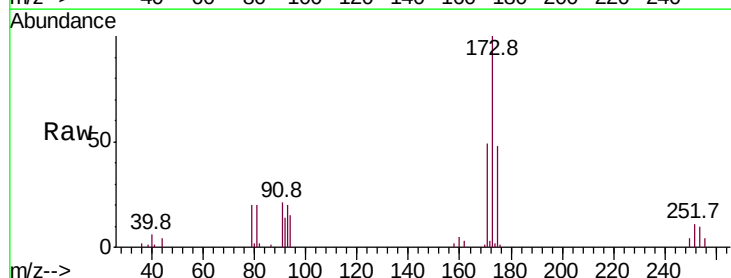
Instrument :
 MSVOA_V
 ClientSampled :

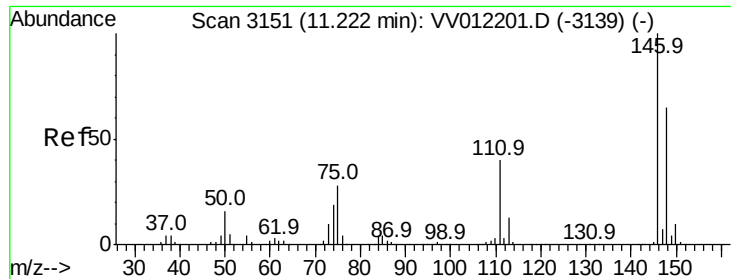
Tot Ion: 75 Resp: 35162
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.4 38.2



#61
 Bromoform
 Concen: 7.982 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV012205.D
 Acq: 12 Aug 2019 13:19

Tgt Ion:173 Resp: 21231
 Ion Ratio Lower Upper
 173 100
 175 46.4 39.0 58.4
 254 8.0 7.8 11.8

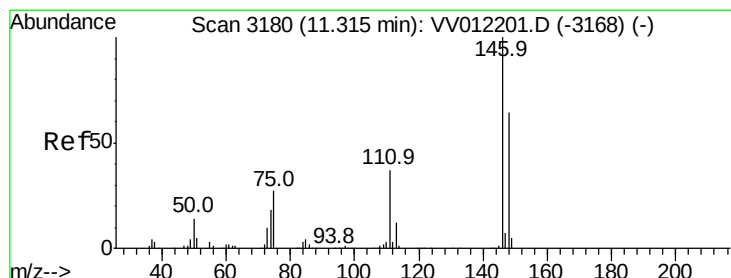
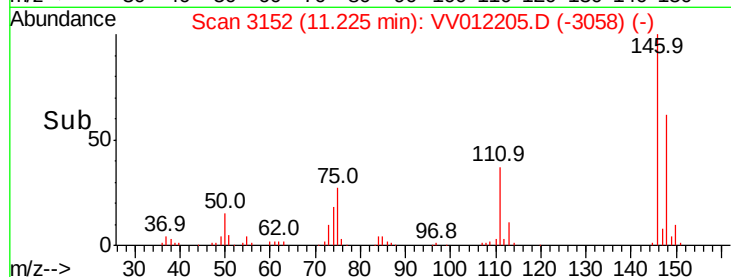
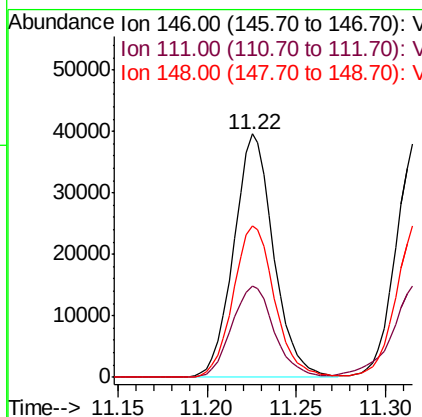
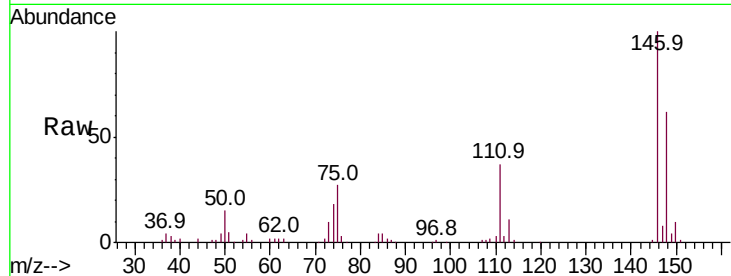




#62
 1,3-Dichlorobenzene
 Concen: 9.472 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV012205.D
 Acq: 12 Aug 2019 13:19

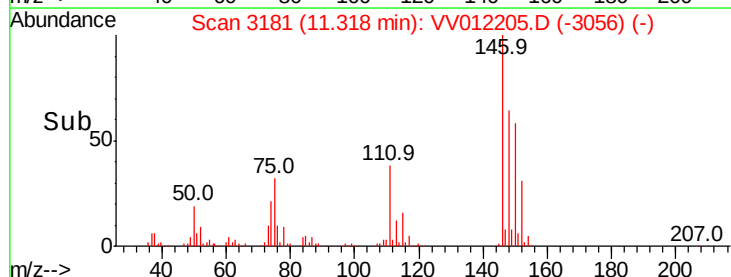
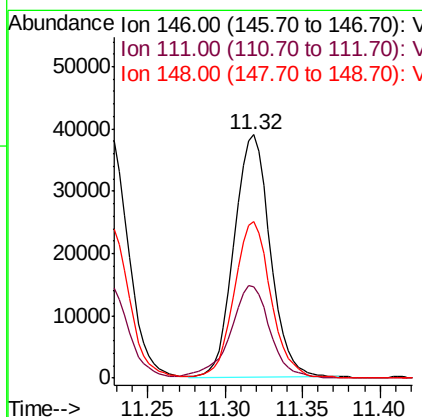
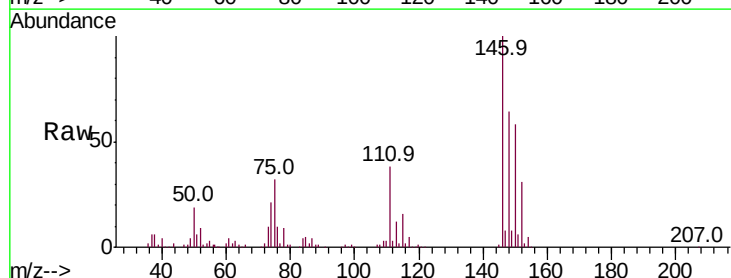
Instrument :
 MSVOA_V
 ClientSampled :

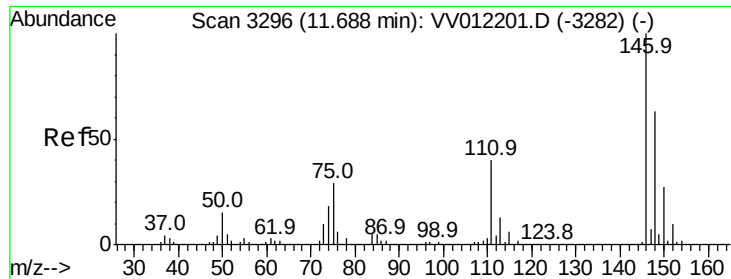
Tot Ion:146 Resp: 61769
 Ion Ratio Lower Upper
 146 100
 111 37.3 27.7 51.5
 148 62.2 45.5 84.5



#63
 1,4-Dichlorobenzene
 Concen: 9.626 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV012205.D
 Acq: 12 Aug 2019 13:19

Tgt Ion:146 Resp: 63007
 Ion Ratio Lower Upper
 146 100
 111 37.6 25.8 48.0
 148 64.4 44.8 83.2

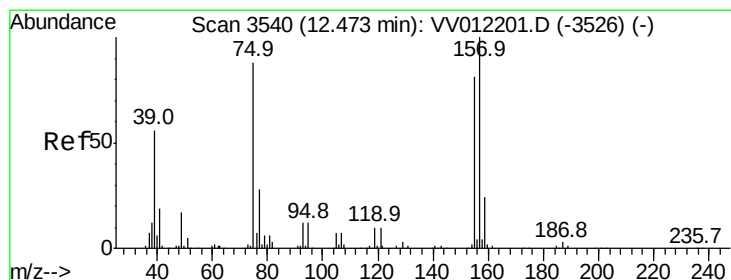
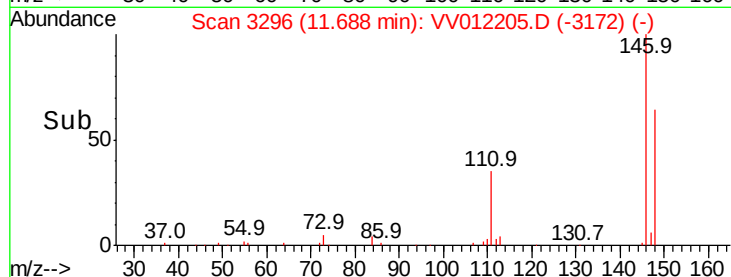
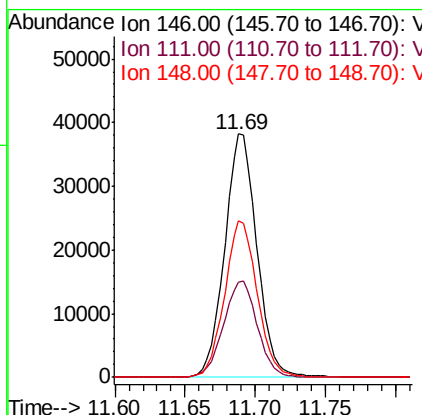
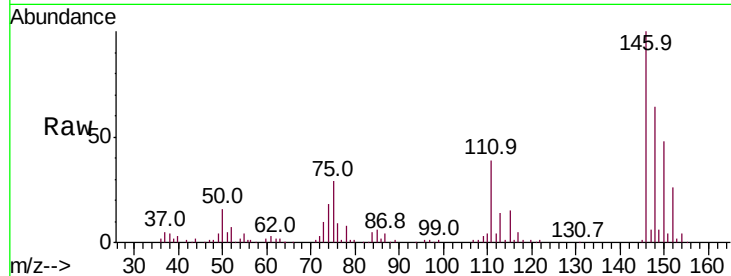




#65
 1,2-Dichlorobenzene
 Concen: 9.314 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012205.D
 Acq: 12 Aug 2019 13:19

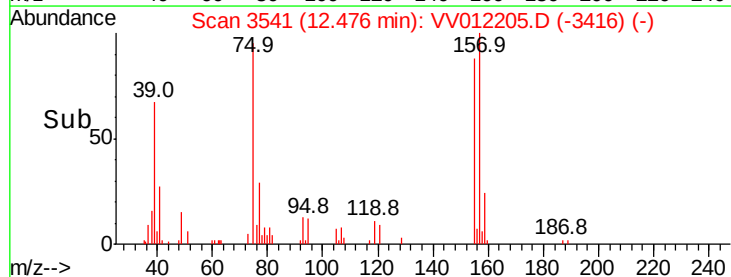
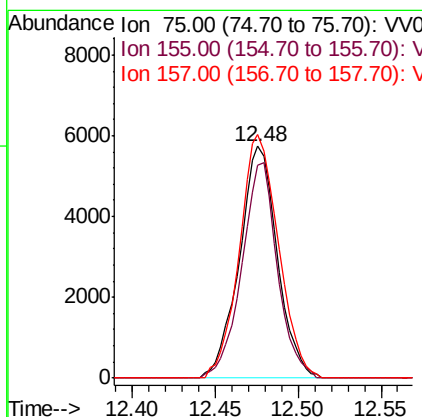
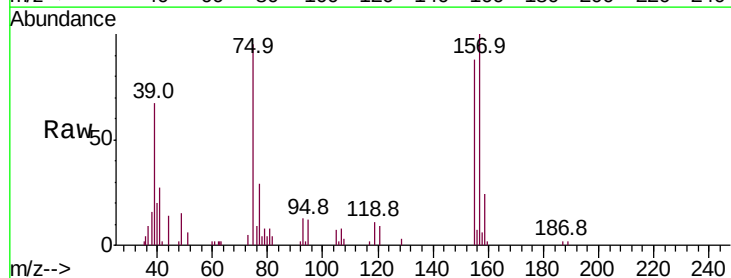
Instrument :
 MSVOA_V
 ClientSampled :

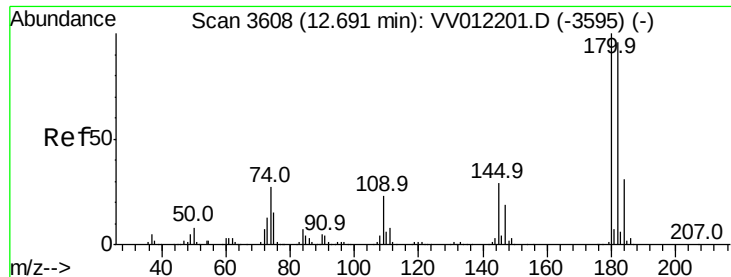
Tot Ion:146 Resp: 61115
 Ion Ratio Lower Upper
 146 100
 111 39.2 31.8 47.6
 148 64.3 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.056 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV012205.D
 Acq: 12 Aug 2019 13:19

Tgt Ion: 75 Resp: 9131
 Ion Ratio Lower Upper
 75 100
 155 92.0 73.9 110.9
 157 105.0 91.2 136.8

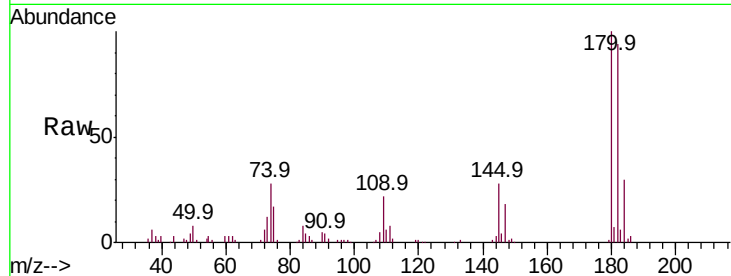




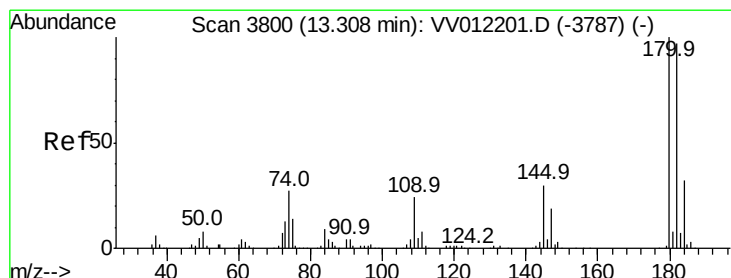
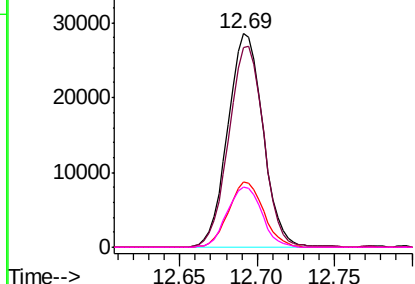
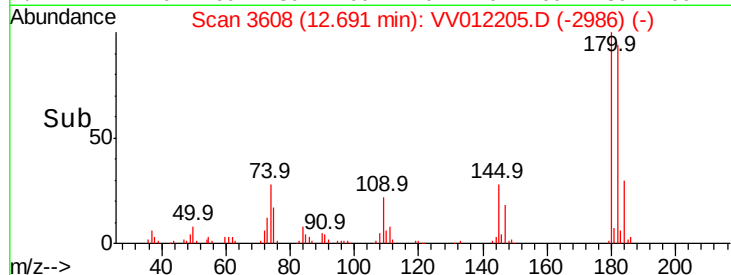
#67
 1,3,5-Trichlorobenzene
 Concen: 8.805 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012205.D
 Acq: 12 Aug 2019 13:19

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	180	Resp:	45211
Ion	Ratio	Lower	Upper
180	100		
182	92.9	76.0	114.0
184	30.1	24.0	36.0
145	27.7	23.0	34.6

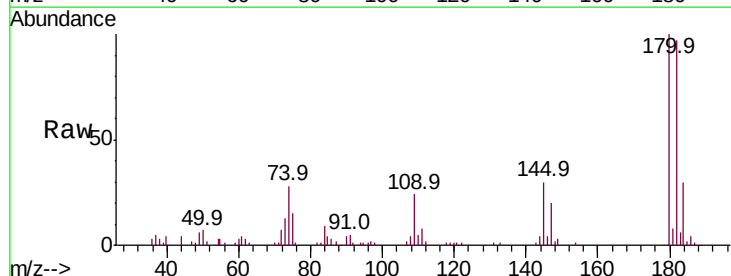


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

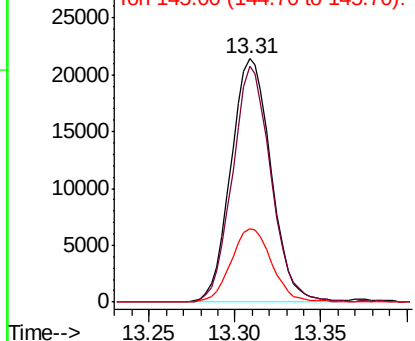
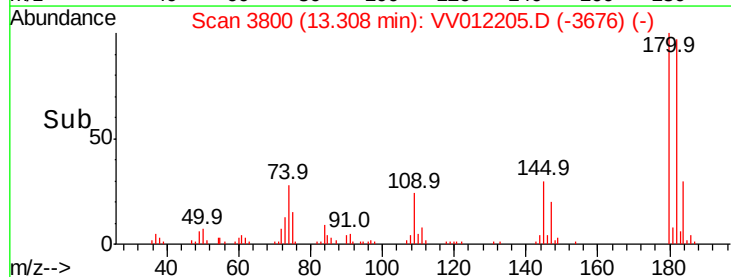


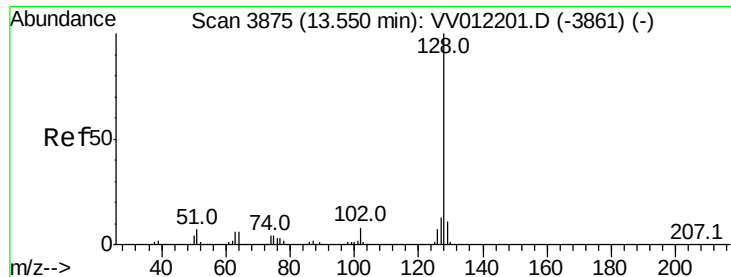
#68
 1,2,4-trichlorobenzene
 Concen: 8.183 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV012205.D
 Acq: 12 Aug 2019 13:19

Tgt Ion:	180	Resp:	34714
Ion	Ratio	Lower	Upper
180	100		
182	93.0	76.6	115.0
145	30.5	23.8	35.6



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





#69

Naphthalene

Concen: 7.153 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV012205.D

Acq: 12 Aug 2019 13:19

Instrument :

MSVOA_V

ClientSampleId :

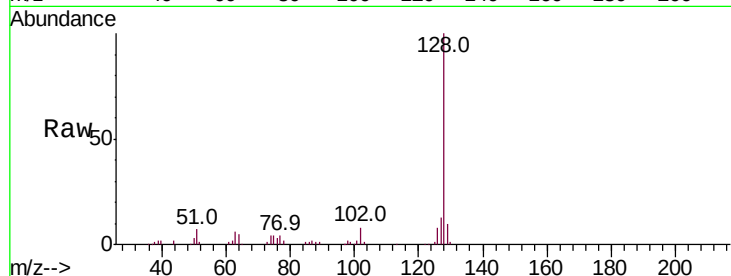
Tot Ion:128 Resp: 84666

Ion Ratio Lower Upper

128 100

127 12.5 10.4 15.6

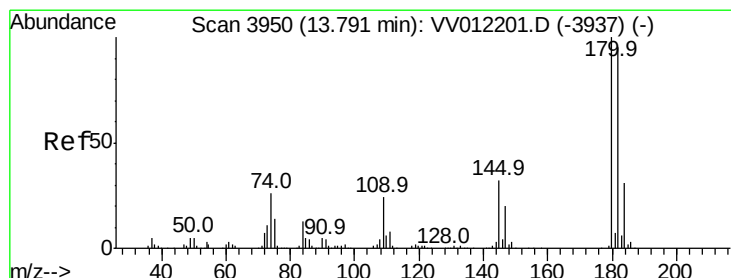
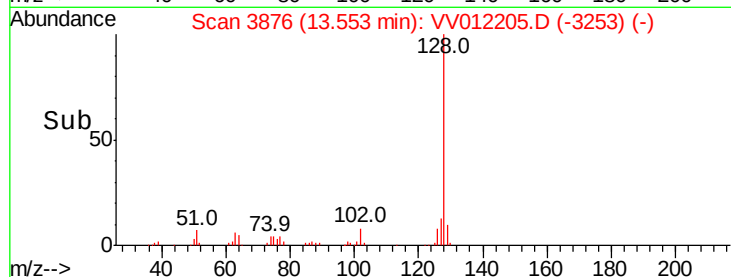
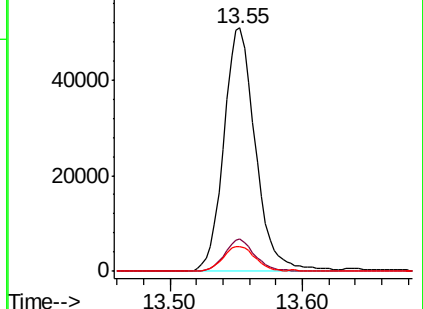
129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 8.171 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV012205.D

Acq: 12 Aug 2019 13:19

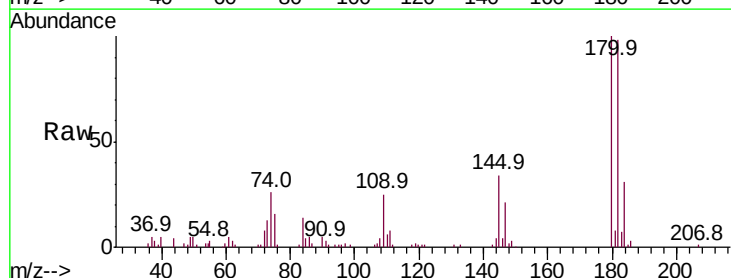
Tgt Ion:180 Resp: 36378

Ion Ratio Lower Upper

180 100

182 94.1 75.4 113.2

145 32.3 25.0 37.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

