

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081219\
 Data File : VV012206.D
 Acq On : 12 Aug 2019 15:13
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 12 15:58:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 12 14:15:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	495564	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	475213	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	248510	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	139171	42.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.36%
7) Chloroethane-d5	1.58	69	126558	44.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.72%
11) 1,1-Dichloroethene-d2	2.13	63	276584	45.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.58%
21) 2-Butanone-d5	3.92	46	295275	102.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.42%
24) Chloroform-d	4.40	84	347383	46.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.86%
26) 1,2-Dichloroethane-d4	5.08	65	219788	46.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.36%
32) Benzene-d6	5.09	84	688863	45.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.94%
36) 1,2-Dichloropropane-d6	6.11	67	215644	46.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.80%
41) Toluene-d8	7.36	98	629928	46.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.82%
43) trans-1,3-Dichloropropene-	7.66	79	108394	46.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.38%
47) 2-Hexanone-d5	8.13	63	215399	106.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.06%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	314732	46.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.16%
64) 1,2-Dichlorobenzene-d4	11.67	152	268876	45.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.66%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	200971	46.916	ug/L 99
3) Chloromethane	1.25	50	180845	45.395	ug/L 99
5) Vinyl chloride	1.32	62	184598	45.634	ug/L 99
6) Bromomethane	1.53	94	105281	47.476	ug/L 100
8) Chloroethane	1.60	64	108230	47.507	ug/L 99
9) Trichlorofluoromethane	1.77	101	253893	47.746	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	143522	47.739	ug/L 98
12) 1,1-Dichloroethene	2.14	96	133548	46.784	ug/L 95
13) Acetone	2.18	43	226306	99.242	ug/L 100
14) Carbon disulfide	2.32	76	416056	45.177	ug/L 98
15) Methyl Acetate	2.45	43	176581	48.015	ug/L 100
16) Methylene chloride	2.53	84	166543	47.229	ug/L 98
17) trans-1,2-Dichloroethene	2.79	96	158380	47.276	ug/L 100
18) Methyl tert-butyl Ether	2.80	73	486398	48.590	ug/L 99
19) 1,1-Dichloroethane	3.23	63	289225	47.649	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	175812	47.596	ug/L 97
22) 2-Butanone	4.01	43	285449	100.482	ug/L 100

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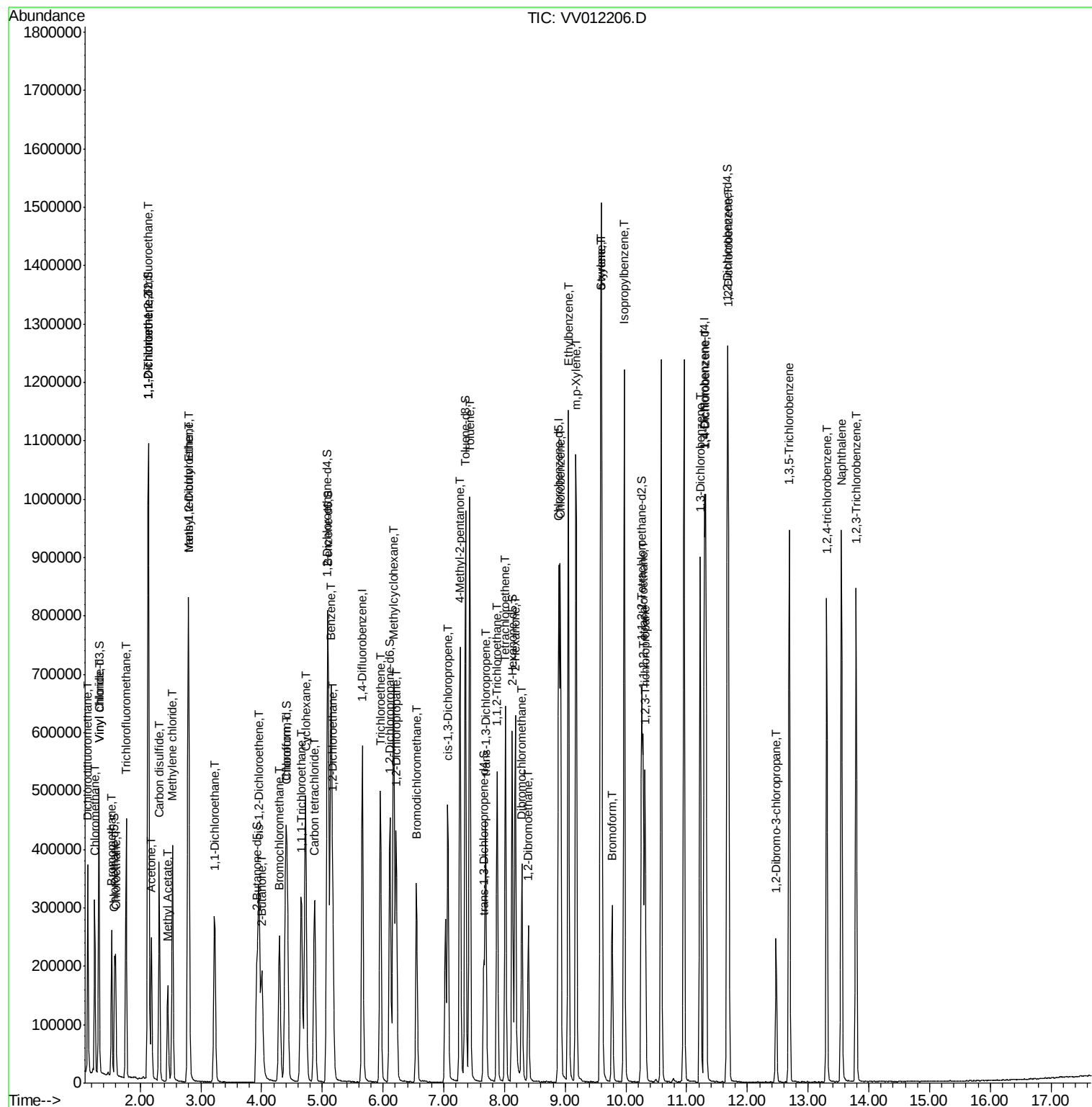
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	90223	46.906	uq/L	98
25) Chloroform	4.42	83	297319	46.678	uq/L	99
27) 1,2-Dichloroethane	5.17	62	227482	47.909	uq/L	98
29) Cyclohexane	4.72	56	269542	49.517	uq/L	100
30) 1,1,1-Trichloroethane	4.65	97	256232	47.415	uq/L	100
31) Carbon tetrachloride	4.87	117	232899	48.125	uq/L	100
33) Benzene	5.14	78	660456	48.682	uq/L	100
34) Trichloroethene	5.96	95	170260	47.543	uq/L	98
35) Methylcyclohexane	6.17	83	285575	49.260	uq/L	99
37) 1,2-Dichloropropane	6.22	63	165046	47.934	uq/L	100
38) Bromodichloromethane	6.55	83	226543	49.043	uq/L	98
39) cis-1,3-Dichloropropene	7.07	75	267814	49.449	uq/L	98
40) 4-Methyl-2-pentanone	7.27	43	483426	102.009	uq/L	99
42) Toluene	7.43	91	710025	49.105	uq/L	100
44) trans-1,3-Dichloropropene	7.69	75	244686	49.522	uq/L	99
45) 1,1,2-Trichloroethane	7.88	97	162108	47.807	uq/L	99
46) Tetrachloroethene	8.02	164	148053	48.529	uq/L	98
48) 2-Hexanone	8.18	43	389550	99.960	uq/L	99
49) Dibromochloromethane	8.29	129	187000	48.930	uq/L	98
50) 1,2-Dibromoethane	8.39	107	176426	48.615	uq/L	97
51) Chlorobenzene	8.92	112	462652	48.209	uq/L	99
52) Ethylbenzene	9.05	91	784028	49.258	uq/L	99
53) m,p-Xylene	9.18	106	311139	50.776	uq/L	99
54) o-xylene	9.59	106	295073	49.701	uq/L	100
55) Styrene	9.60	104	511555	50.233	uq/L	98
56) Isopropylbenzene	9.97	105	777412	49.886	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	267785	48.052	uq/L	98
59) 1,2,3-Trichloropropane	10.32	75	207543	47.879	uq/L	98
61) Bromoform	9.77	173	136459	47.786	uq/L	99
62) 1,3-Dichlorobenzene	11.22	146	375216	47.256	uq/L	99
63) 1,4-Dichlorobenzene	11.32	146	386070	47.592	uq/L	99
65) 1,2-Dichlorobenzene	11.69	146	372223	46.818	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	58532	47.822	uq/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	291733	48.414	uq/L	100
68) 1,2,4-trichlorobenzene	13.31	180	251896	50.648	uq/L	100
69) Naphthalene	13.55	128	739960	51.862	uq/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	258889	49.371	uq/L	99

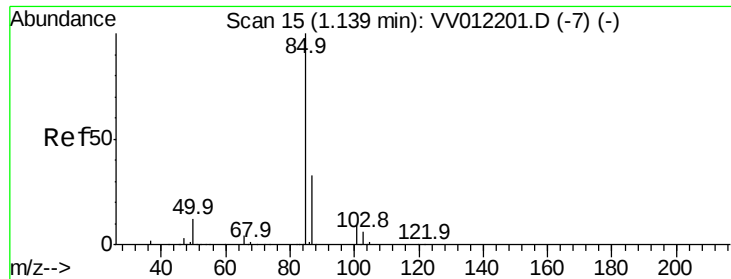
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 46.916 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012206.D

Acq: 12 Aug 2019 15:13

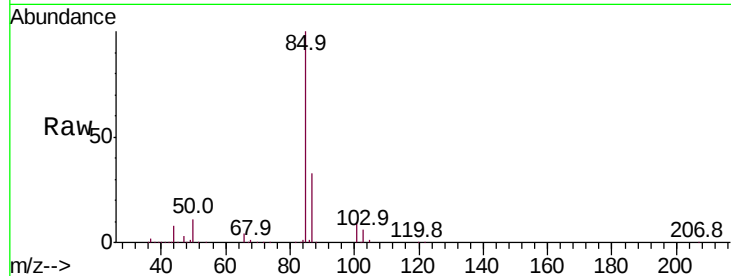
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 200971

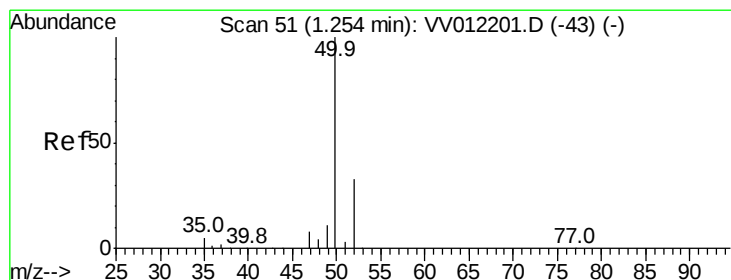
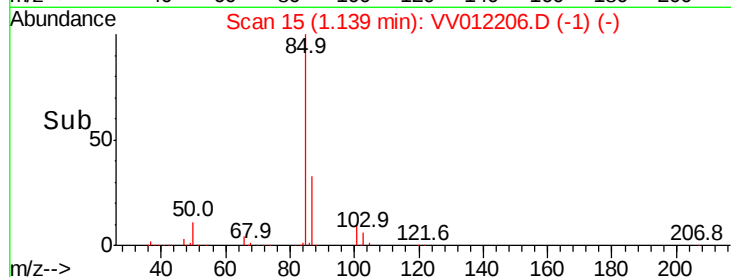
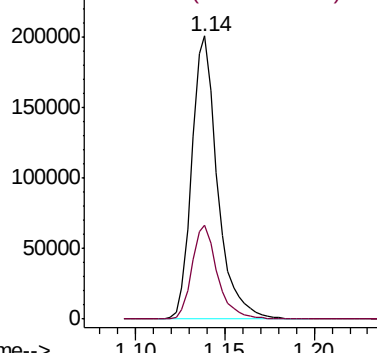
Ion Ratio Lower Upper

85 100

87 32.8 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 45.395 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012206.D

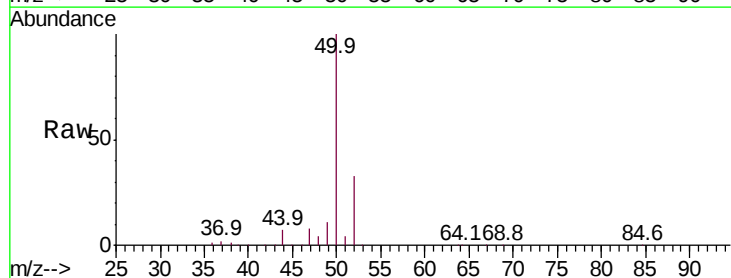
Acq: 12 Aug 2019 15:13

Tgt Ion: 50 Resp: 180845

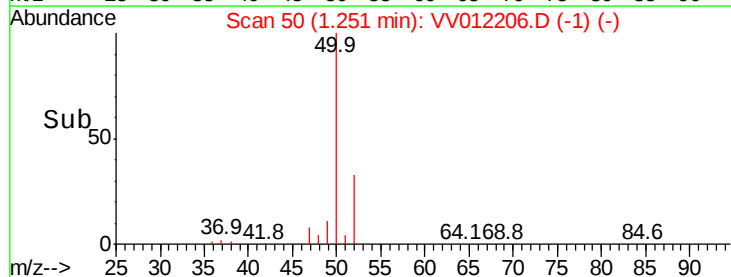
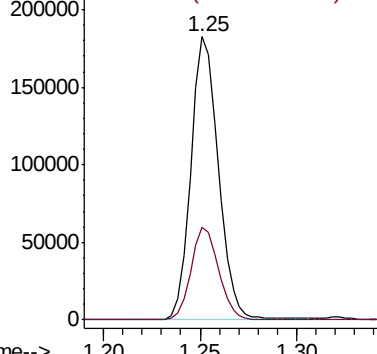
Ion Ratio Lower Upper

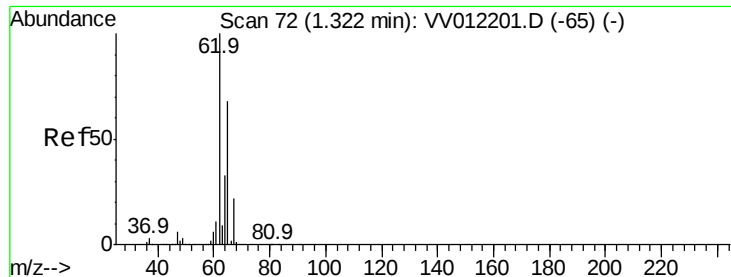
50 100

52 32.7 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VV0
Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 45.634 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012206.D

Acq: 12 Aug 2019 15:13

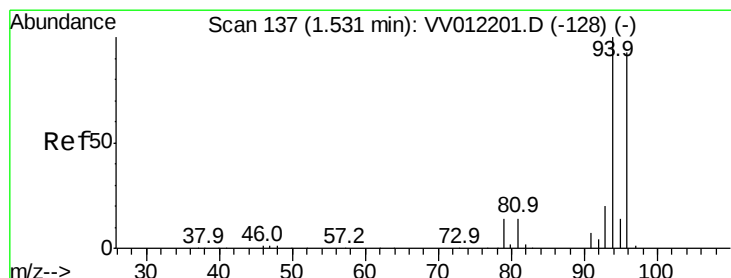
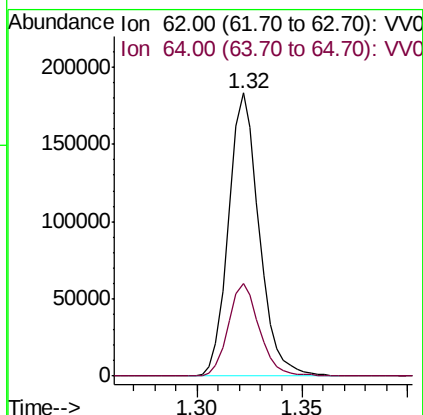
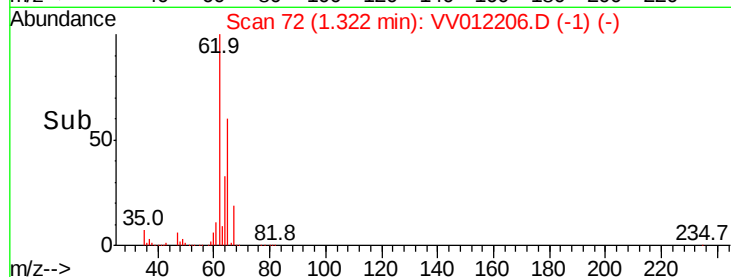
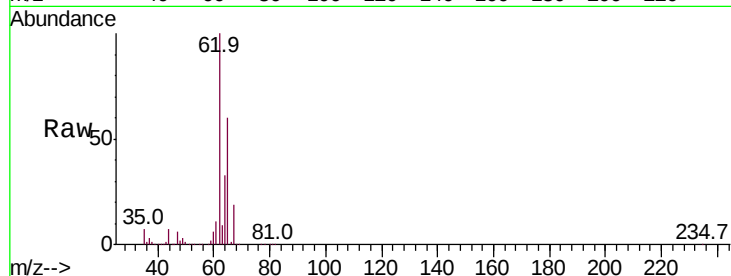
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 184598

Ion Ratio Lower Upper

62 100

64 32.6 23.1 42.9



#6

Bromomethane

Concen: 47.476 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV012206.D

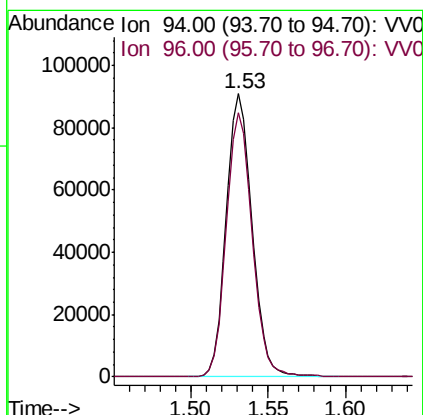
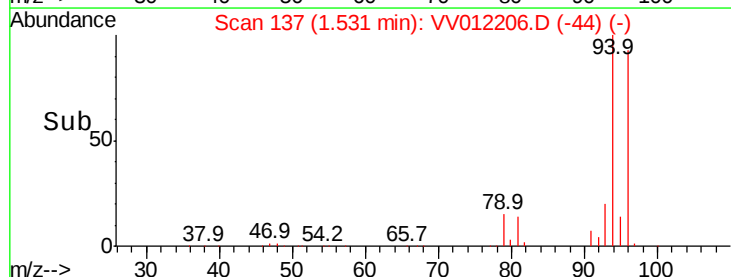
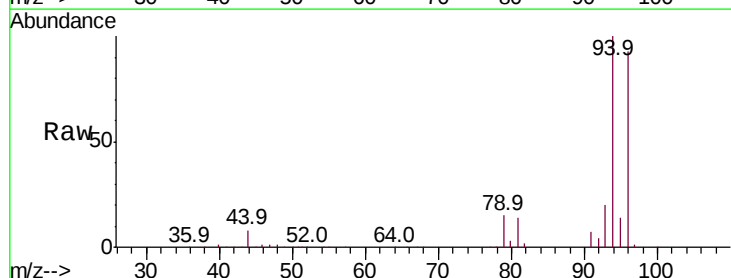
Acq: 12 Aug 2019 15:13

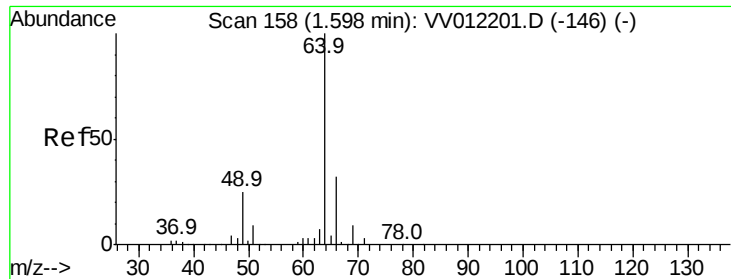
Tgt Ion: 94 Resp: 105281

Ion Ratio Lower Upper

94 100

96 93.4 65.0 120.8

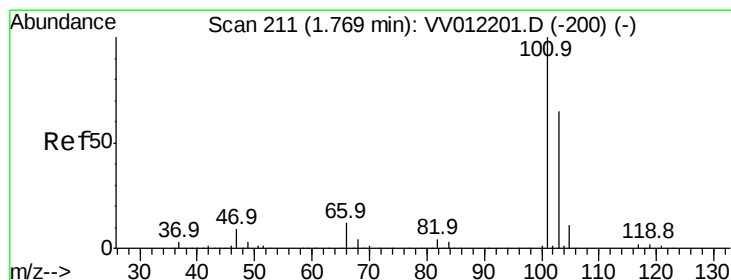
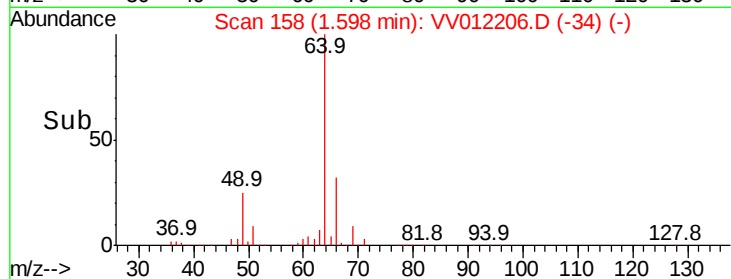
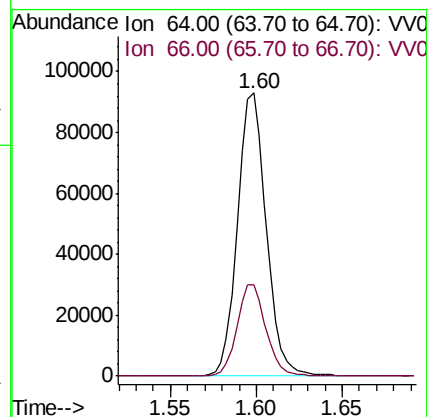
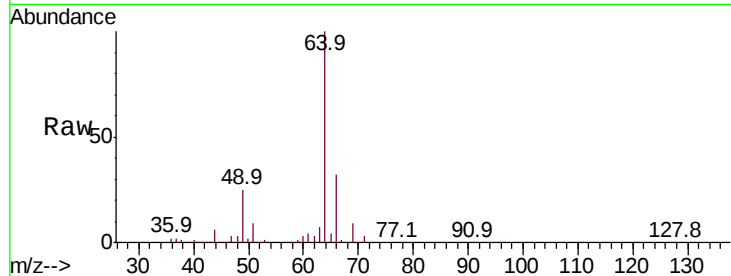




#8
Chloroethane
Concen: 47.507 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV012206.D
Acq: 12 Aug 2019 15:13

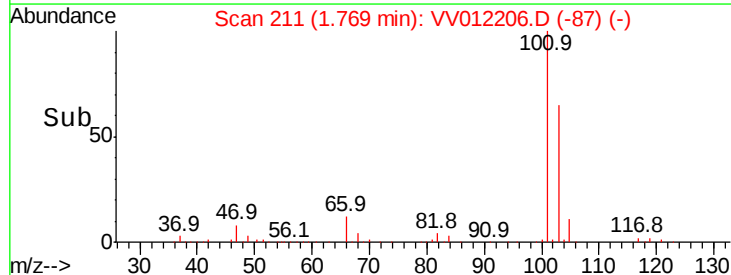
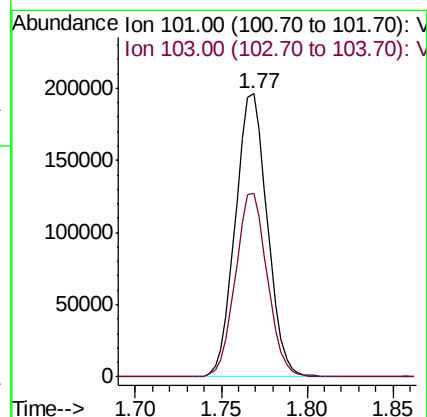
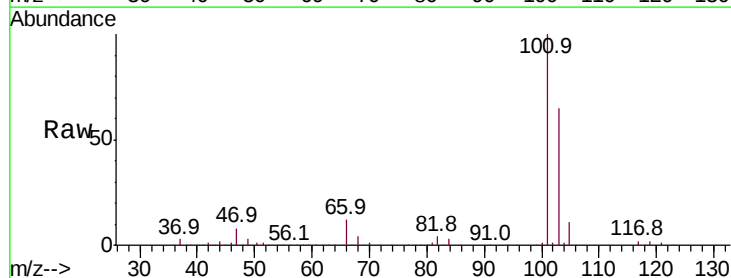
Instrument :
MSVOA_V
ClientSampleId :

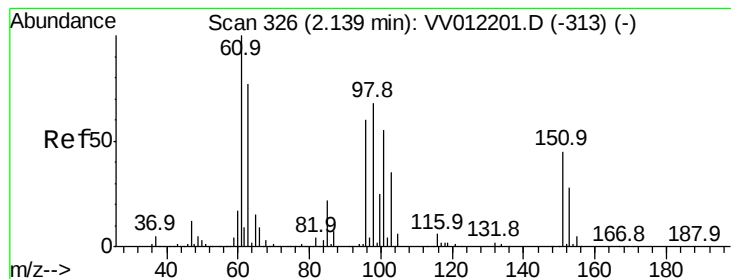
Tot Ion: 64 Resp: 108230
Ion Ratio Lower Upper
64 100
66 32.2 22.3 41.3



#9
Trichlorofluoromethane
Concen: 47.746 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV012206.D
Acq: 12 Aug 2019 15:13

Tgt Ion:101 Resp: 253893
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.6





#10

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

Concen: 47.739 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012206.D

Acq: 12 Aug 2019 15:13

Instrument :

MSVOA_V

ClientSampled :

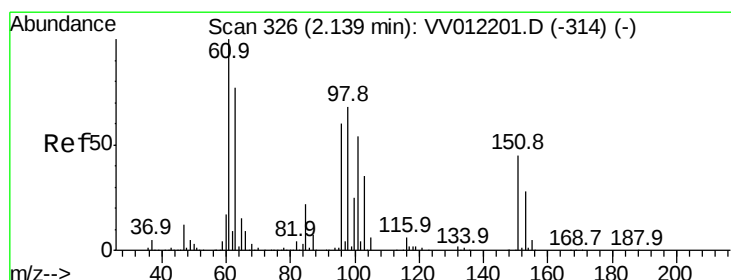
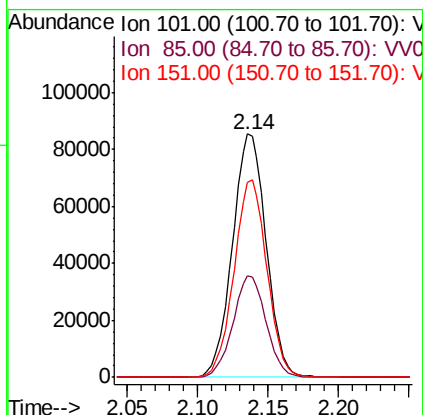
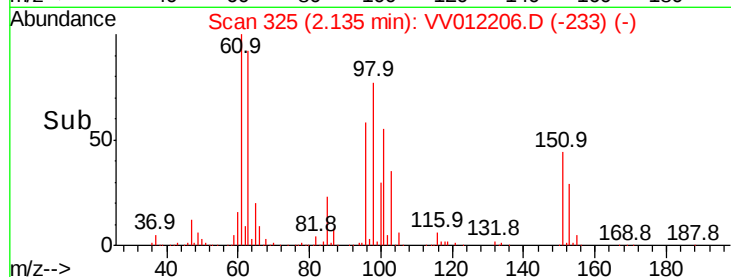
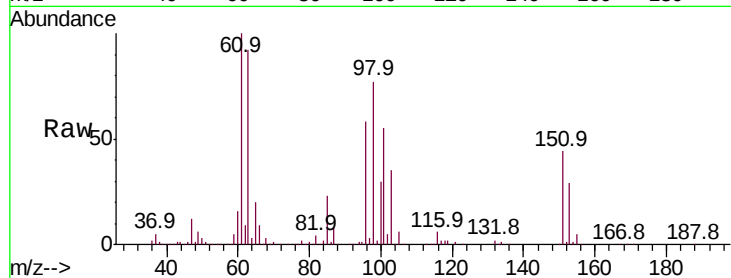
Tot Ion:101 Resp: 143522

Ion Ratio Lower Upper

101 100

85 40.9 32.8 49.2

151 79.1 65.0 97.6



#12

1,1-Dichloroethene

Concen: 46.784 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012206.D

Acq: 12 Aug 2019 15:13

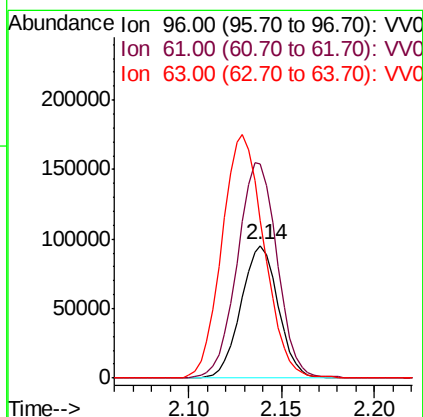
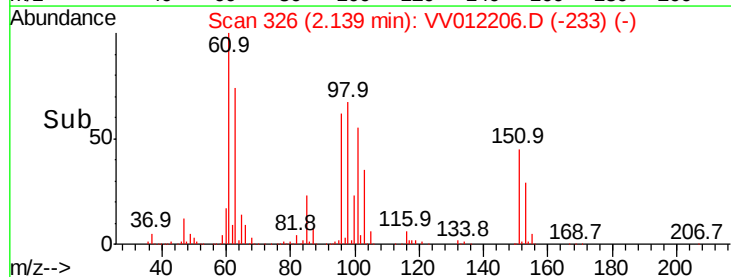
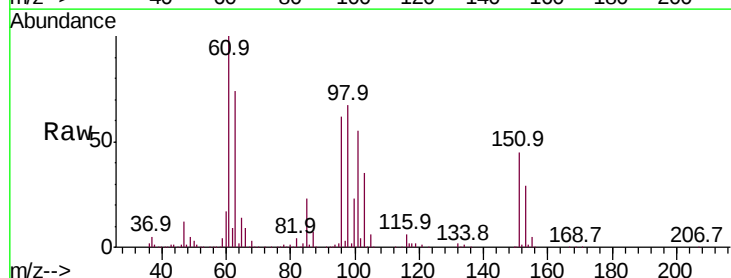
Tgt Ion: 96 Resp: 133548

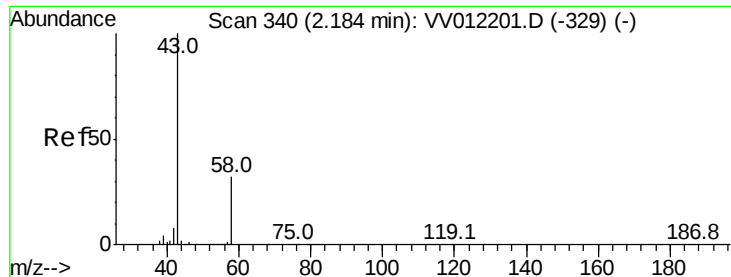
Ion Ratio Lower Upper

96 100

61 162.4 115.9 215.3

63 119.5 90.0 167.2





#13

Acetone

Concen: 99.242 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV012206.D

Acq: 12 Aug 2019 15:13

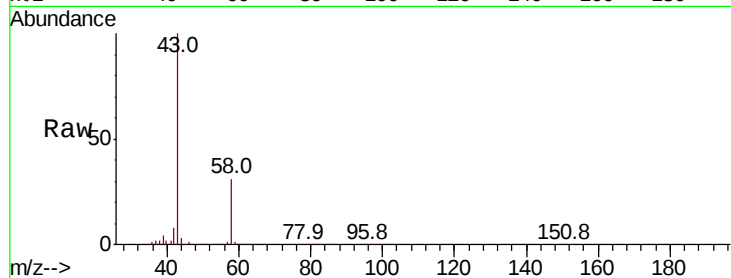
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 226306

Ion Ratio Lower Upper

43 100

58 31.4 0.0 63.2



Abundance Ion 43.00 (42.70 to 43.70): VV012206.D (-247) (-)

Ion 58.00 (57.70 to 58.70): VV012206.D (-247) (-)

2.18

150000

100000

50000

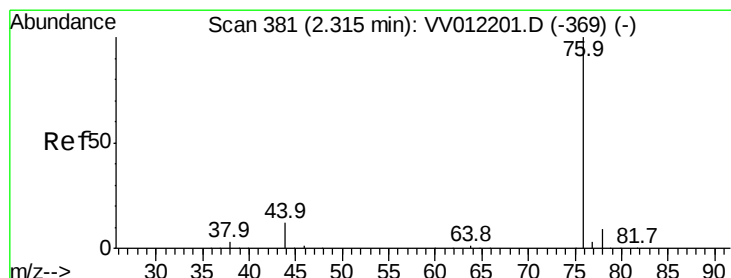
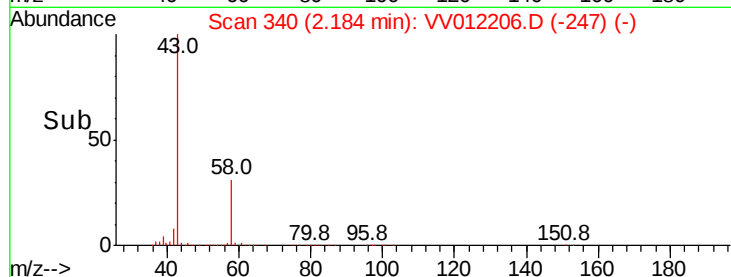
0

2.15

2.20

2.25

Time-->



#14

Carbon disulfide

Concen: 45.177 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012206.D

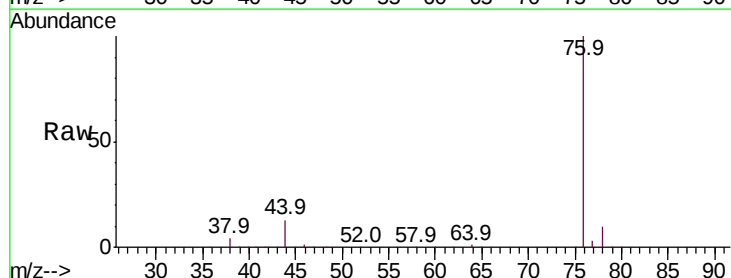
Acq: 12 Aug 2019 15:13

Tgt Ion: 76 Resp: 416056

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV012206.D (-288) (-)

Ion 78.00 (77.70 to 78.70): VV012206.D (-288) (-)

2.32

300000

250000

200000

150000

100000

50000

0

2.25

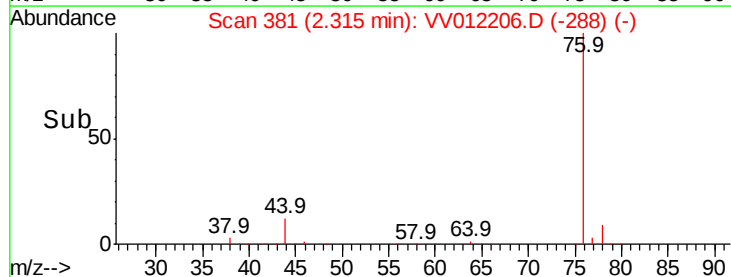
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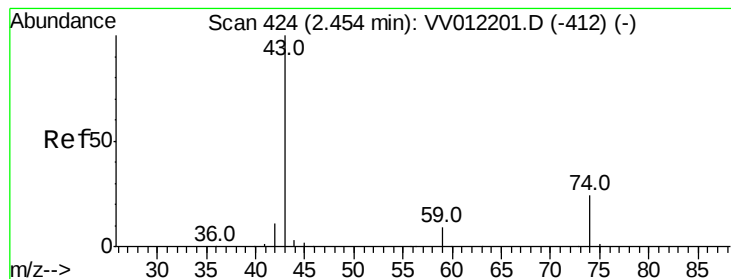
2.35

2.40

2.45

Time-->





#15

Methvl Acetate

Concen: 48.015 ug/L

RT: 2.45 min Scan# 424

Delta R.T. 0.00 min

Lab File: VV012206.D

Acq: 12 Aug 2019 15:13

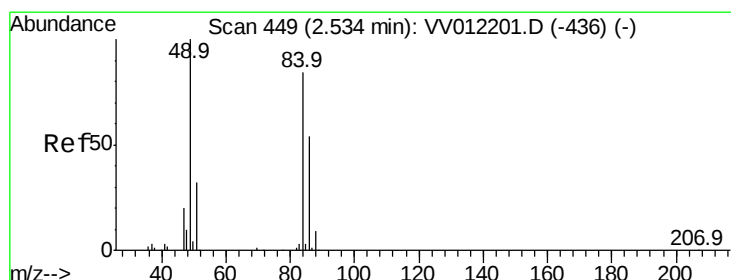
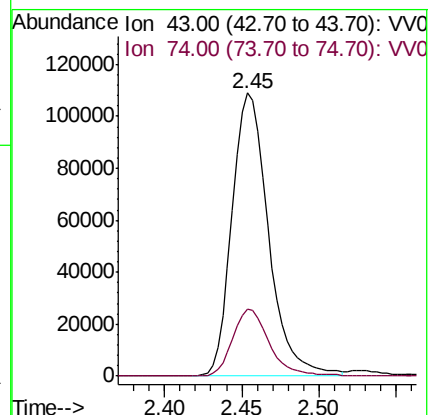
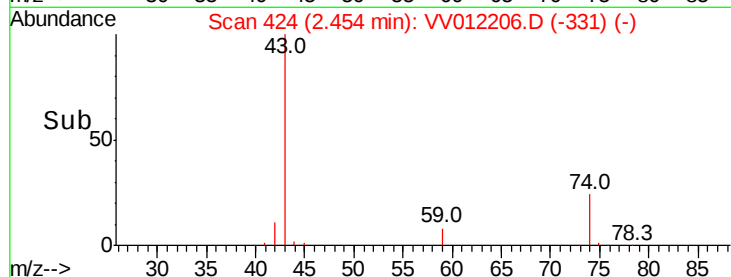
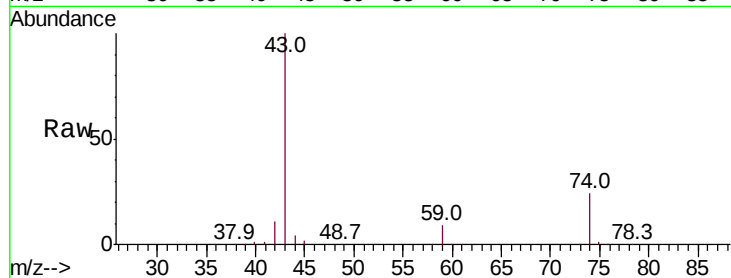
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 176581

Ion Ratio Lower Upper

43 100

74 24.1 19.4 29.0



#16

Methylene chloride

Concen: 47.229 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV012206.D

Acq: 12 Aug 2019 15:13

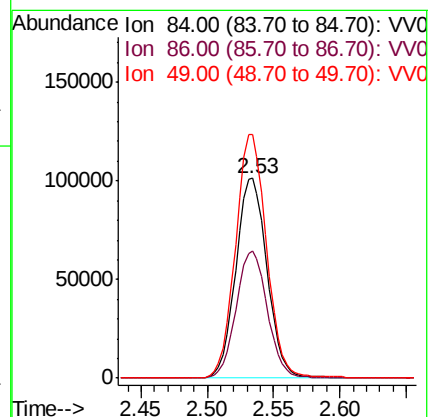
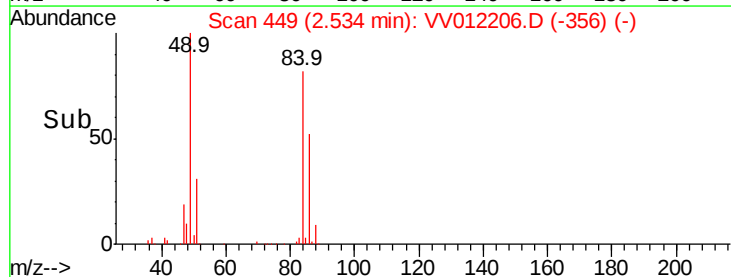
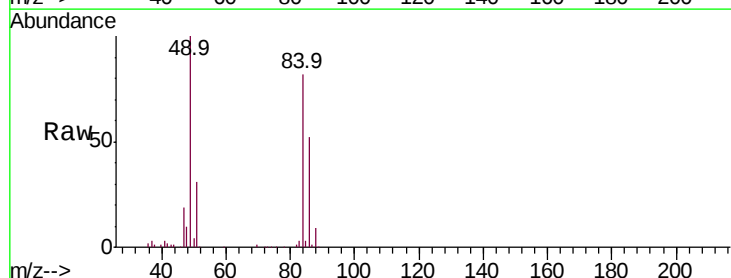
Tgt Ion: 84 Resp: 166543

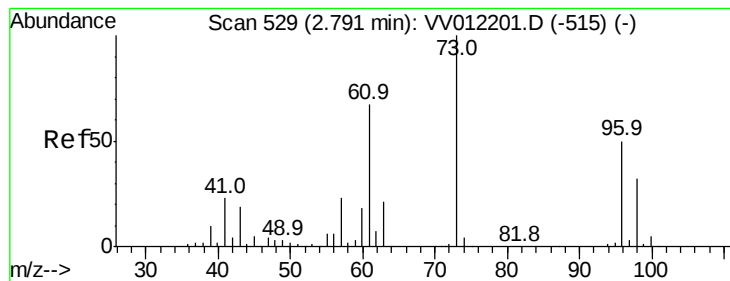
Ion Ratio Lower Upper

84 100

86 63.3 44.9 83.5

49 121.6 83.7 155.5





#17

trans-1,2-Dichloroethene

Concen: 47.276 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV012206.D

Acq: 12 Aug 2019 15:13

Instrument :

MSVOA_V

ClientSampleId :

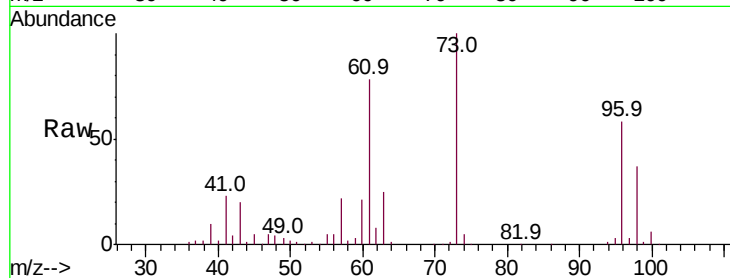
Tot Ion: 96 Resp: 158380

Ion Ratio Lower Upper

96 100

61 135.3 94.8 176.2

98 63.8 44.9 83.5

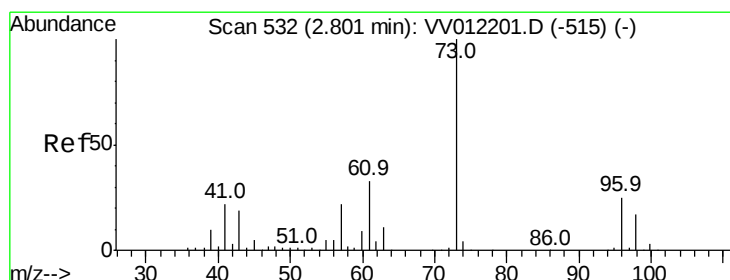
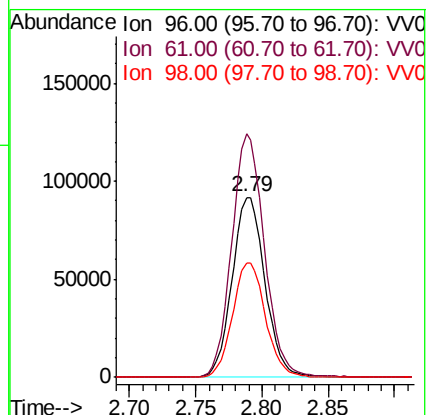
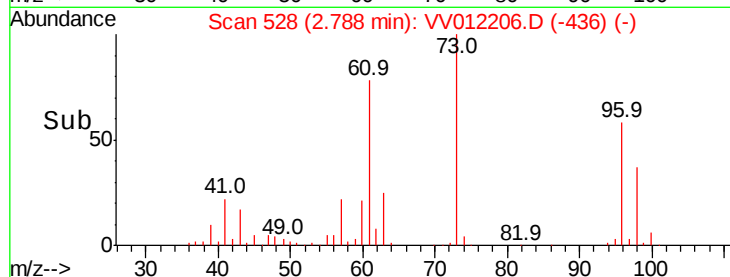


Abundance Ion 96.00 (95.70 to 96.70): VV012201.D (-515) (-)

Ion 61.00 (60.70 to 61.70): VV012201.D (-515) (-)

Ion 98.00 (97.70 to 98.70): VV012201.D (-515) (-)

Time-->



#18

Methyl tert-butyl Ether

Concen: 48.590 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV012206.D

Acq: 12 Aug 2019 15:13

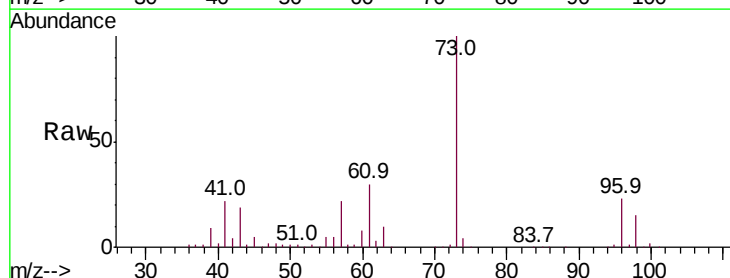
Tgt Ion: 73 Resp: 486398

Ion Ratio Lower Upper

73 100

43 19.0 15.1 22.7

57 21.9 18.0 27.0

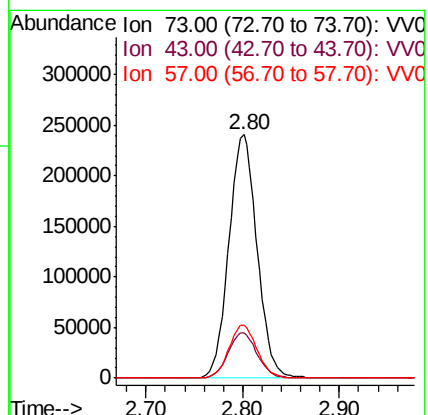
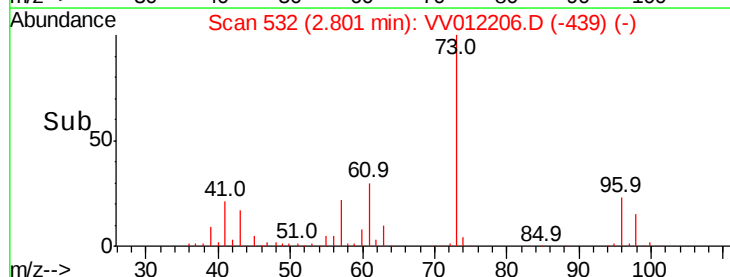


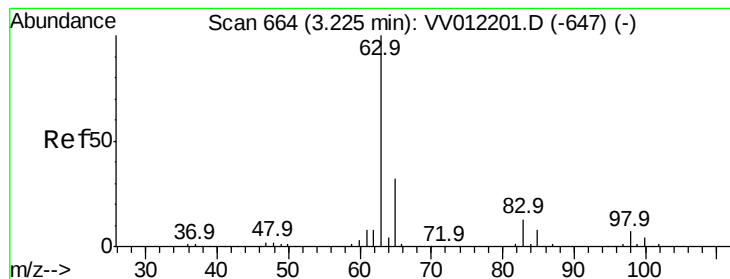
Abundance Ion 73.00 (72.70 to 73.70): VV012201.D (-515) (-)

Ion 43.00 (42.70 to 43.70): VV012201.D (-515) (-)

Ion 57.00 (56.70 to 57.70): VV012201.D (-515) (-)

Time-->





#19

1,1-Dichloroethane

Concen: 47.649 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV012206.D

Acq: 12 Aug 2019 15:13

Instrument :
MSVOA_V
ClientSampleId :

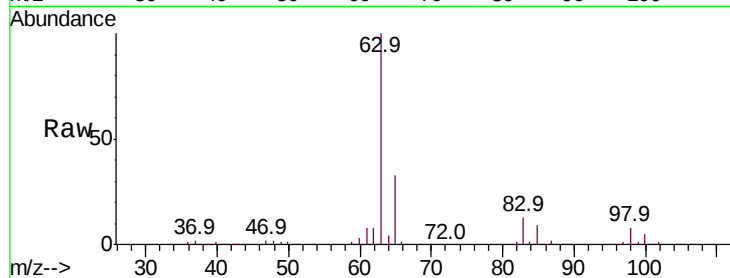
Tot Ion: 63 Resp: 289225

Ion Ratio Lower Upper

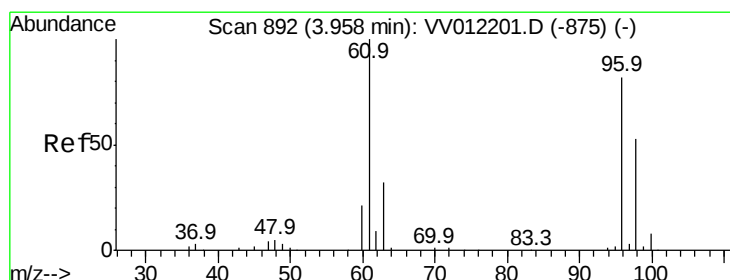
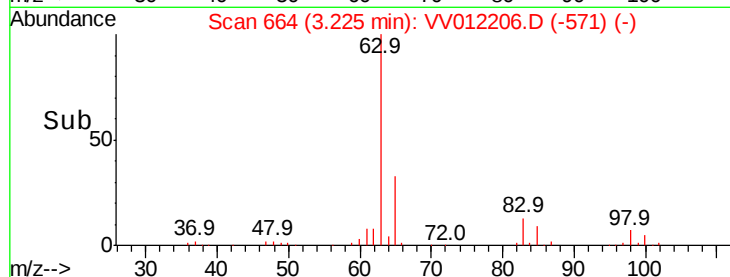
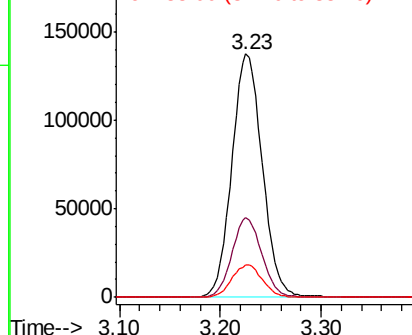
63 100

65 32.5 22.0 41.0

83 13.1 9.2 17.0



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 47.596 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV012206.D

Acq: 12 Aug 2019 15:13

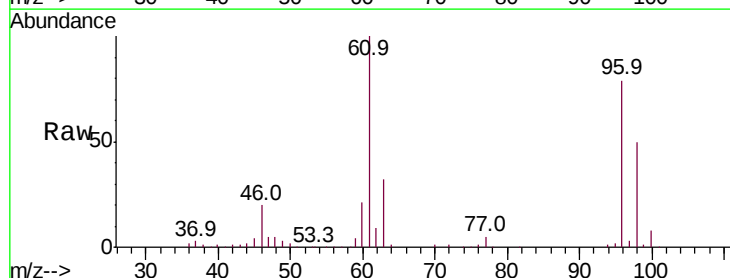
Tgt Ion: 96 Resp: 175812

Ion Ratio Lower Upper

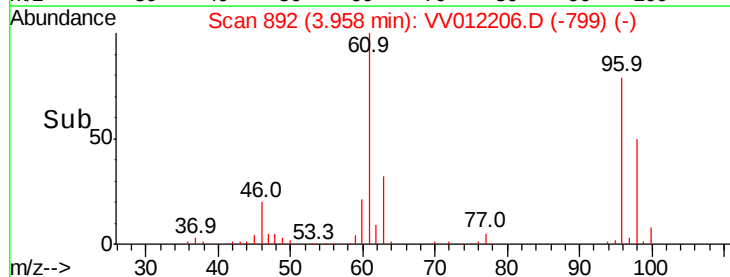
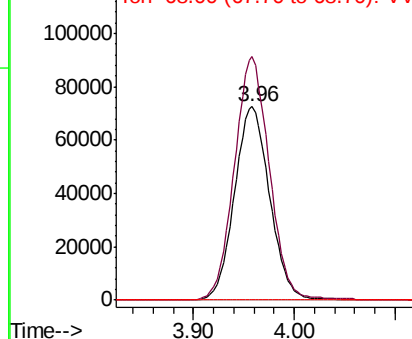
96 100

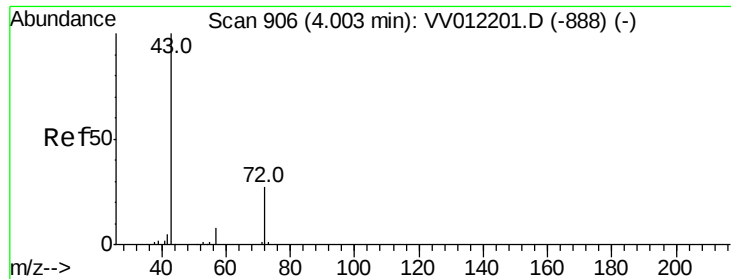
61 125.9 85.8 159.3

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 100.482 ug/L

RT: 4.01 min Scan# 907

Delta R.T. 0.00 min

Lab File: VV012206.D

Acq: 12 Aug 2019 15:13

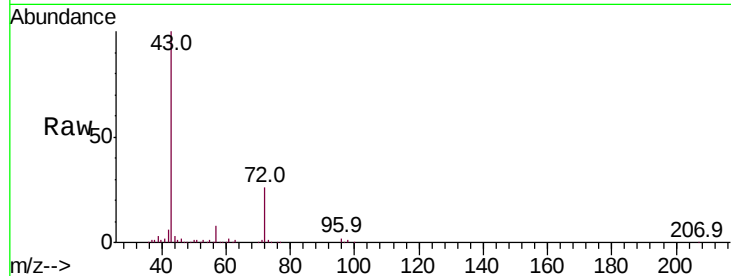
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 285449

Ion Ratio Lower Upper

43 100

72 26.7 13.5 40.4



Abundance Ion 43.00 (42.70 to 43.70): VV012201.D (-888) (-)

Ion 72.00 (71.70 to 72.70): VV012201.D (-888) (-)

4.01

120000

100000

80000

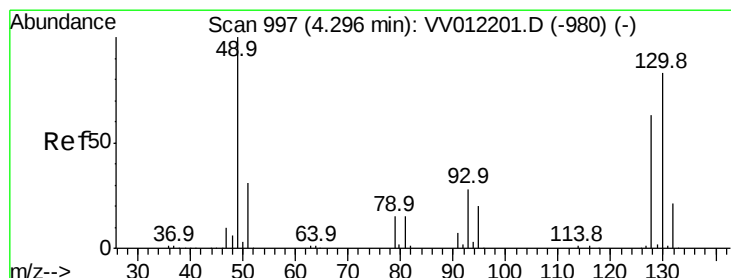
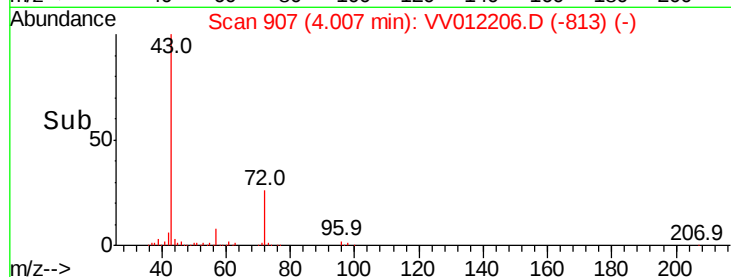
60000

40000

20000

0

Time-->



#23

Bromochloromethane

Concen: 46.906 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV012206.D

Acq: 12 Aug 2019 15:13

Tgt Ion:128 Resp: 90223

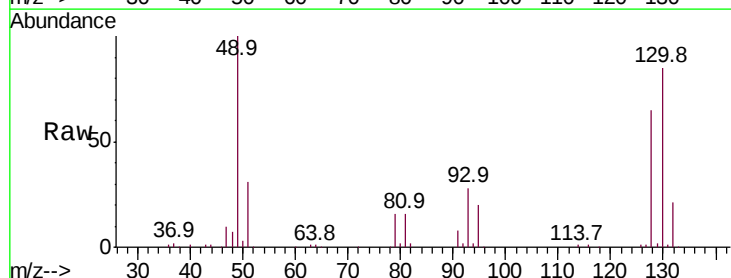
Ion Ratio Lower Upper

128 100

49 154.2 111.0 206.2

130 130.3 91.3 169.6

51 48.1 39.8 59.6



Abundance Ion 128.00 (127.70 to 128.70): VV012201.D (-980) (-)

Ion 49.00 (48.70 to 49.70): VV012201.D (-980) (-)

Ion 130.00 (129.70 to 130.70): VV012201.D (-980) (-)

Ion 51.00 (50.70 to 51.70): VV012201.D (-980) (-)

80000

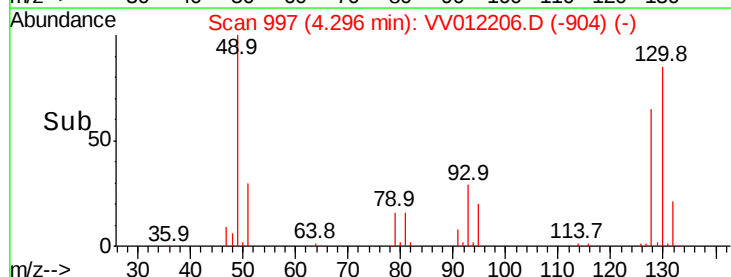
60000

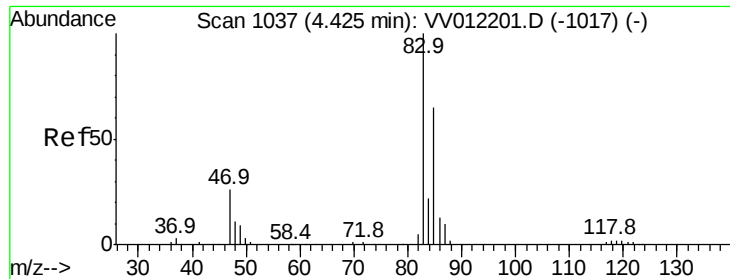
40000

20000

0

Time-->

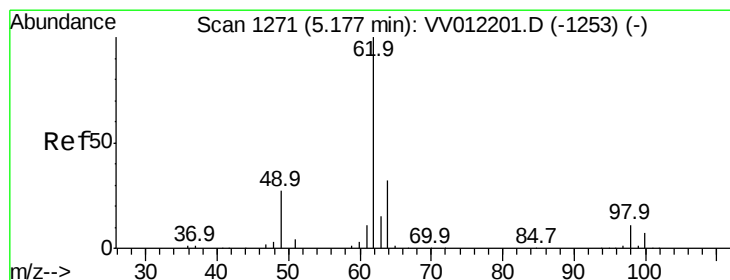
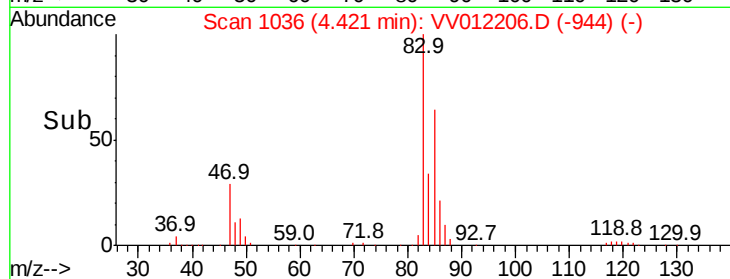
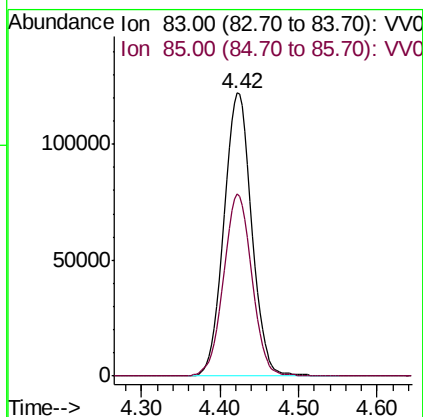
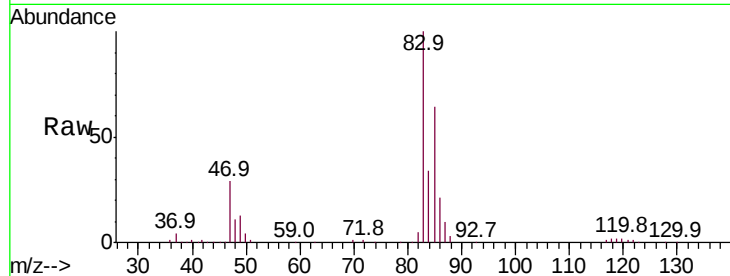




#25
Chloroform
Concen: 46.678 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV012206.D
Acq: 12 Aug 2019 15:13

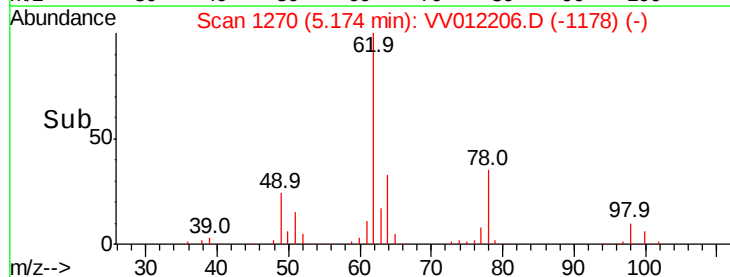
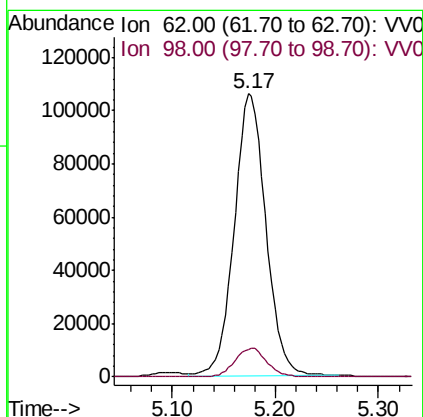
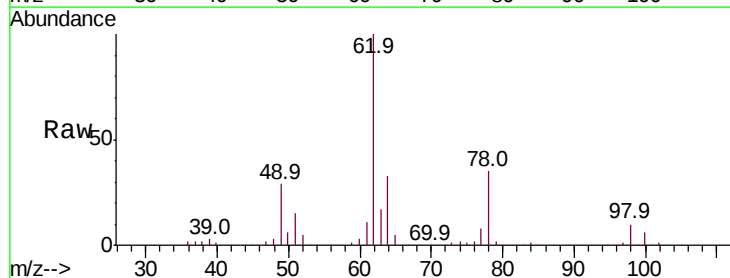
Instrument :
MSVOA_V
ClientSampled :

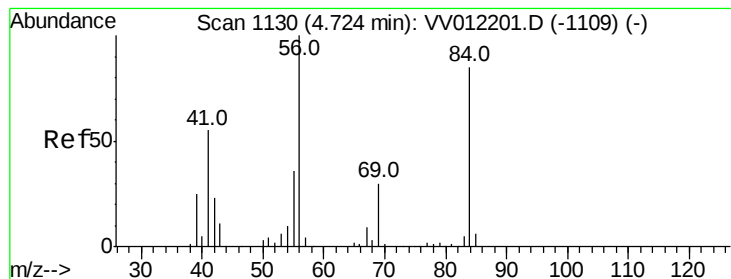
Tot Ion: 83 Resp: 297319
Ion Ratio Lower Upper
83 100
85 64.2 45.4 84.2



#27
1,2-Dichloroethane
Concen: 47.909 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV012206.D
Acq: 12 Aug 2019 15:13

Tgt Ion: 62 Resp: 227482
Ion Ratio Lower Upper
62 100
98 9.9 8.4 12.6





#29

Cvclohexane

Concen: 49.517 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV012206.D

Acq: 12 Aug 2019 15:13

Instrument :
MSVOA_V
ClientSampled :

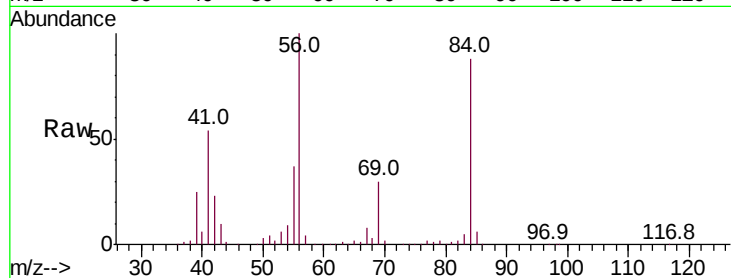
Tot Ion: 56 Resp: 269542

Ion Ratio Lower Upper

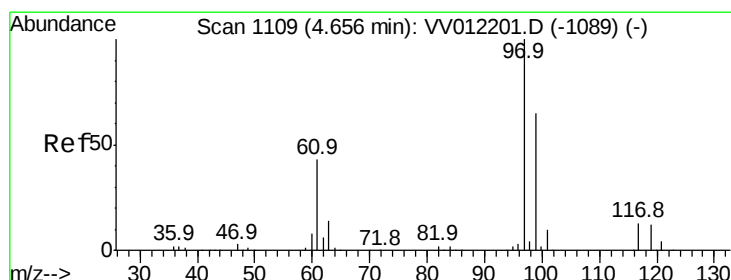
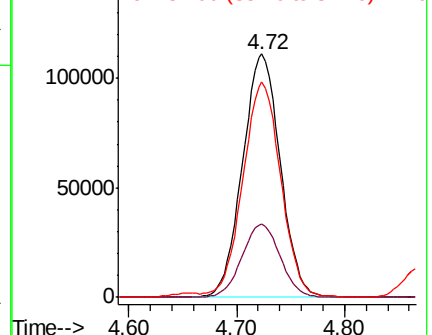
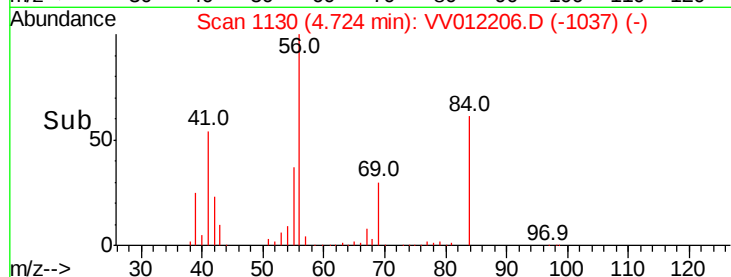
56 100

69 30.4 24.1 36.1

84 87.9 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: 47.415 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV012206.D

Acq: 12 Aug 2019 15:13

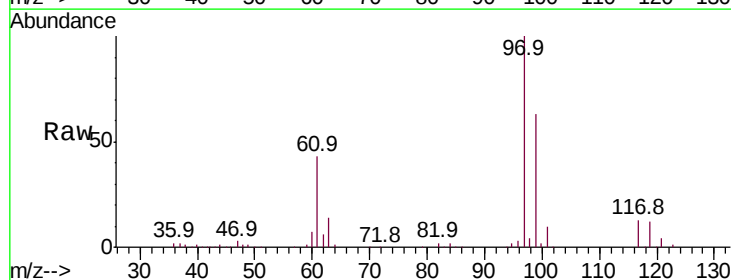
Tgt Ion: 97 Resp: 256232

Ion Ratio Lower Upper

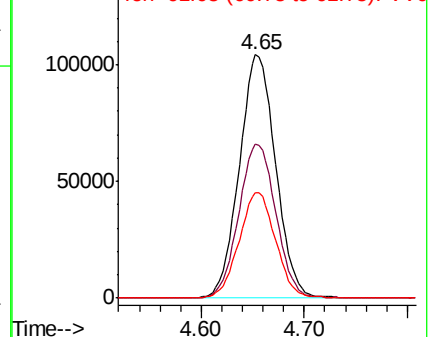
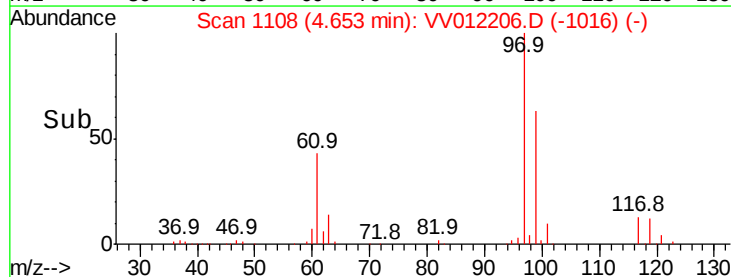
97 100

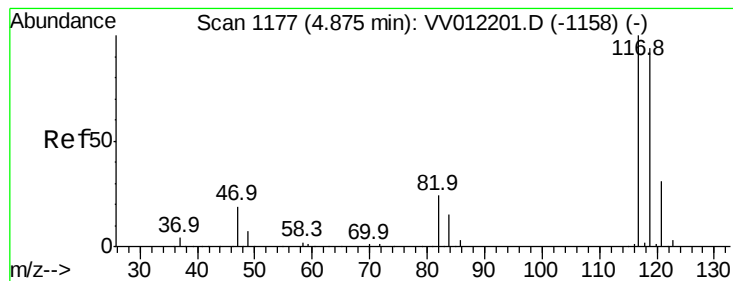
99 64.4 51.4 77.2

61 43.4 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: 48.125 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV012206.D

Acq: 12 Aug 2019 15:13

Instrument :

MSVOA_V

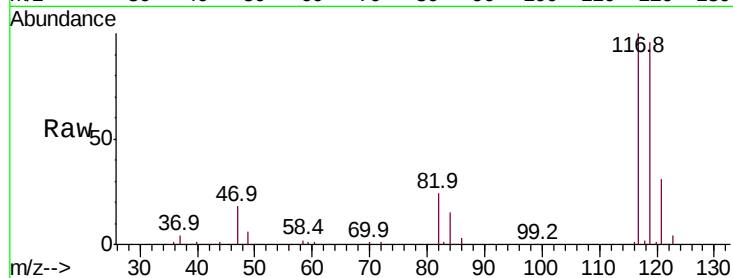
ClientSampleId :

Tot Ion:117 Resp: 232899

Ion Ratio Lower Upper

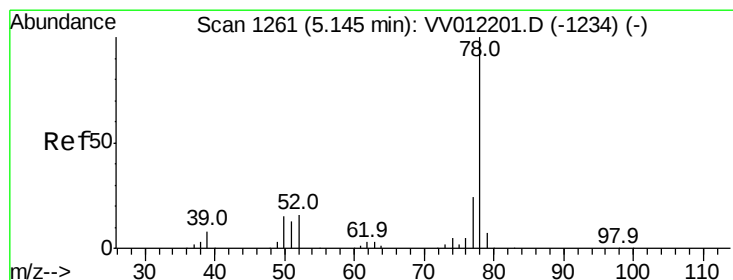
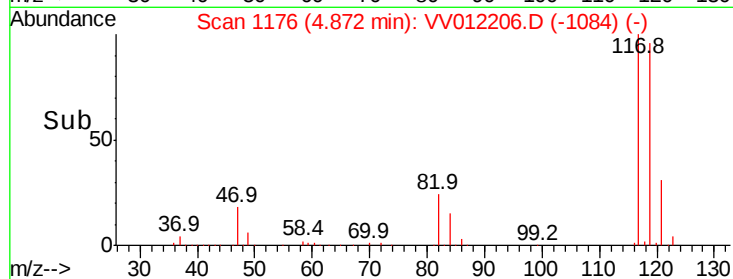
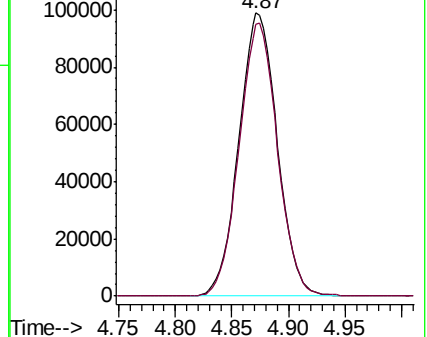
117 100

119 96.4 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: 48.682 ug/L

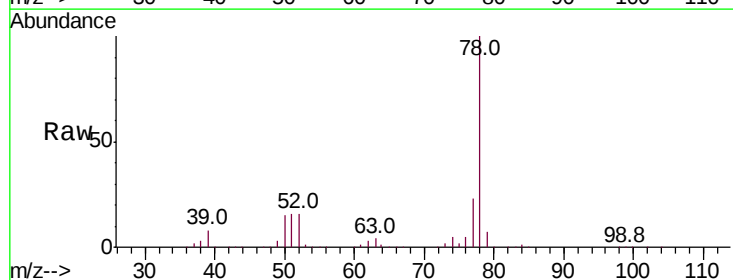
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

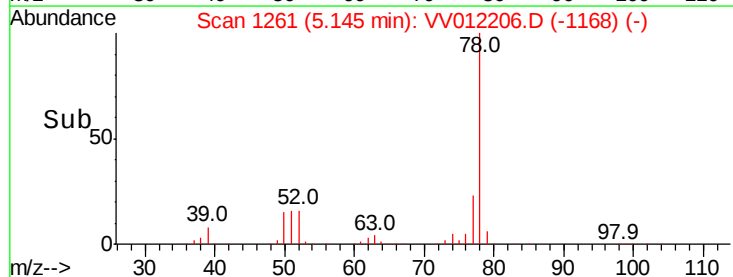
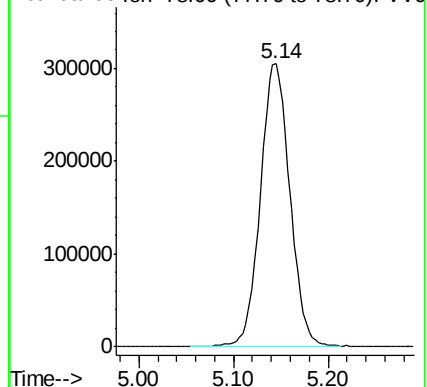
Lab File: VV012206.D

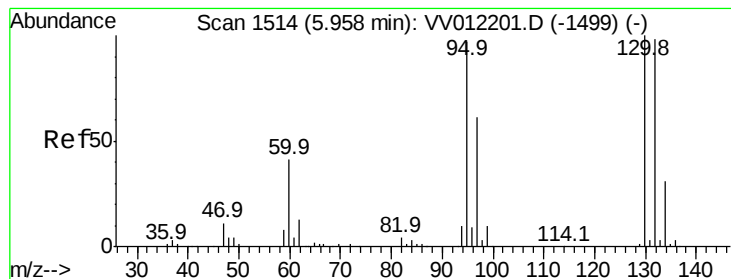
Acq: 12 Aug 2019 15:13

Tgt Ion: 78 Resp: 660456



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 47.543 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV012206.D

Acq: 12 Aug 2019 15:13

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 170260

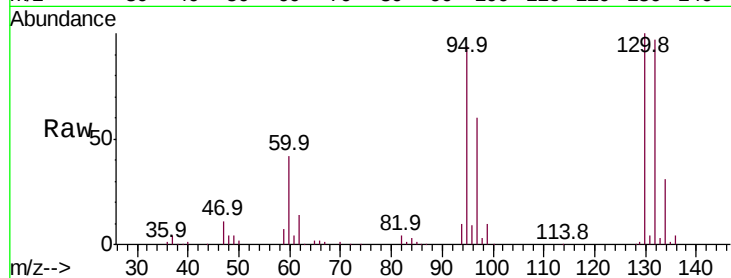
Ion Ratio Lower Upper

95 100

97 63.5 44.3 82.3

132 102.4 70.7 131.3

130 105.9 72.3 134.3

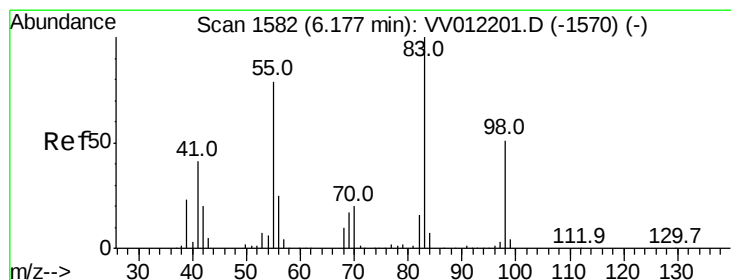
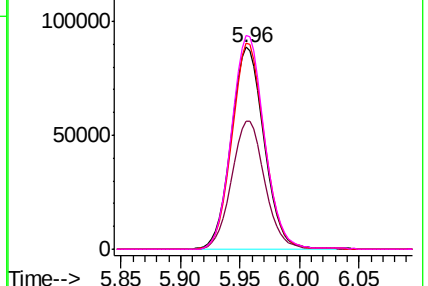
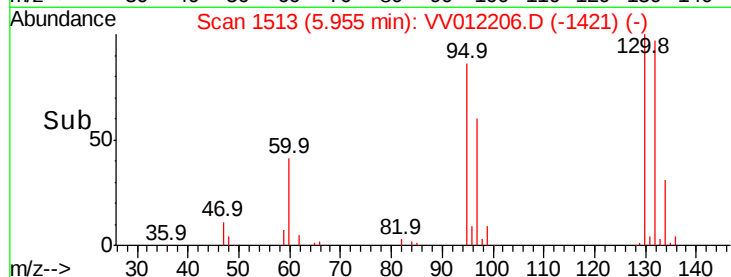


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 49.260 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV012206.D

Acq: 12 Aug 2019 15:13

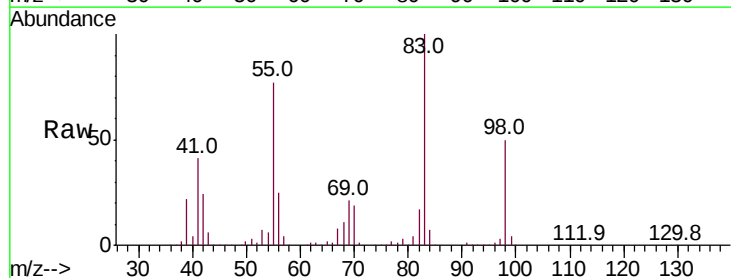
Tgt Ion: 83 Resp: 285575

Ion Ratio Lower Upper

83 100

55 76.7 60.7 91.1

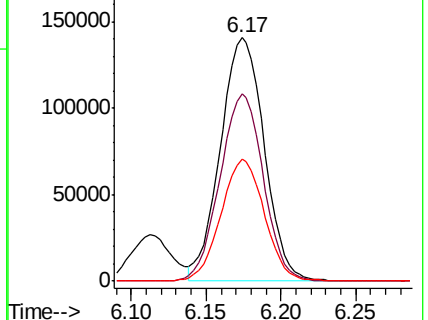
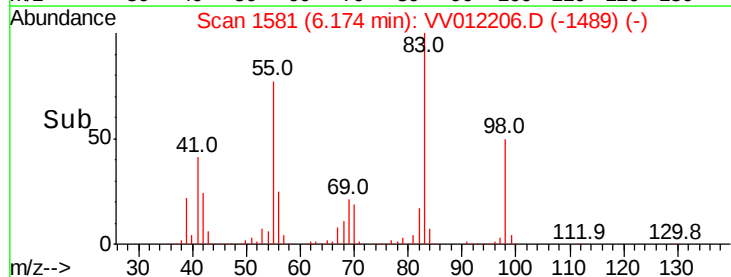
98 50.0 40.1 60.1

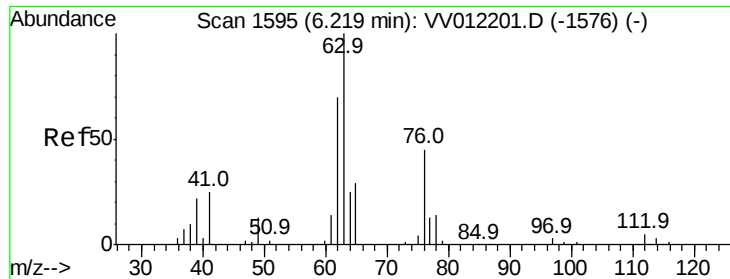


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

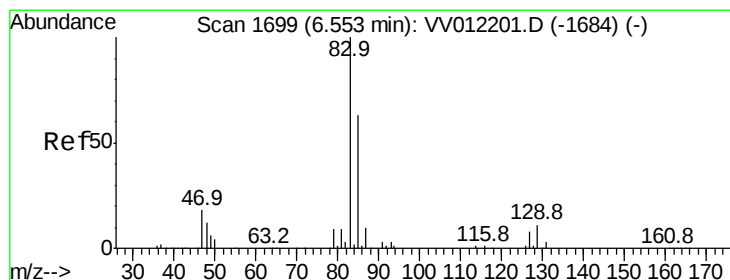
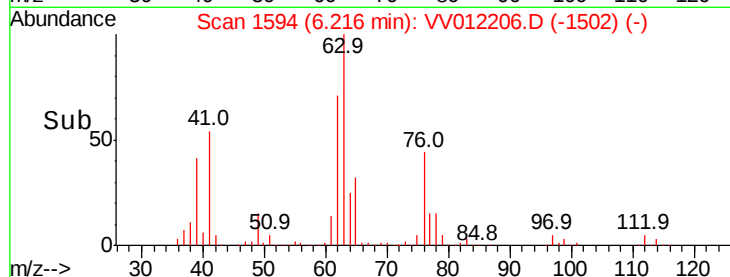
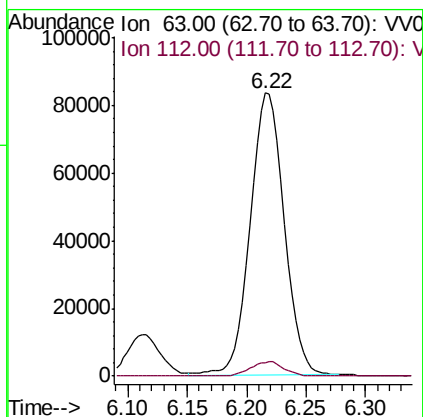
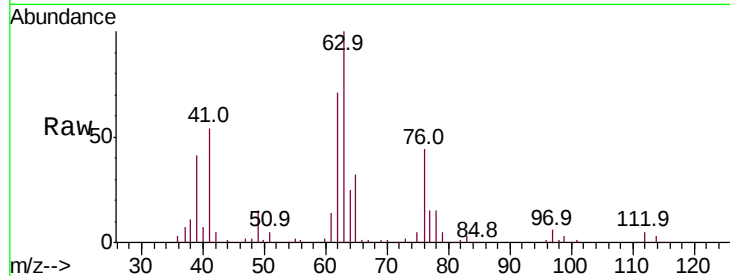




#37
 1,2-Dichloropropane
 Concen: 47.934 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV012206.D
 Acq: 12 Aug 2019 15:13

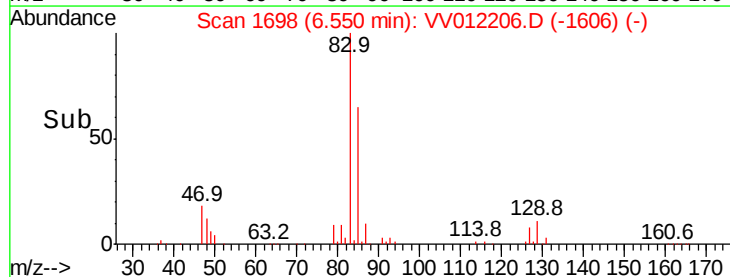
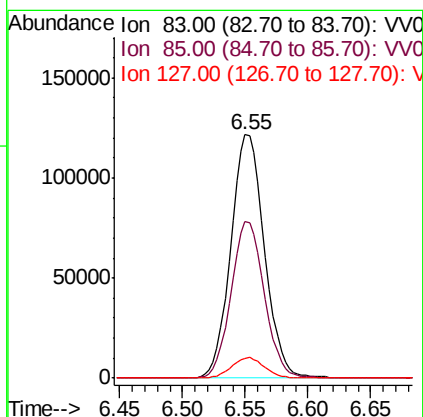
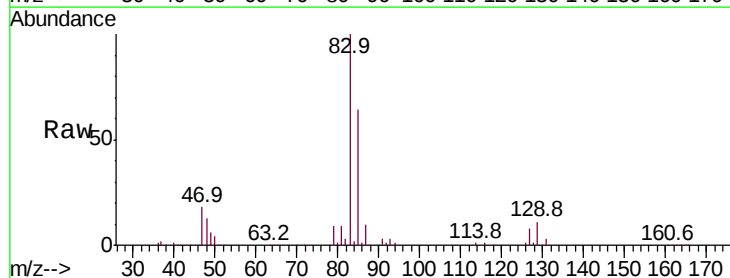
Instrument :
 MSVOA_V
 ClientSampleId :

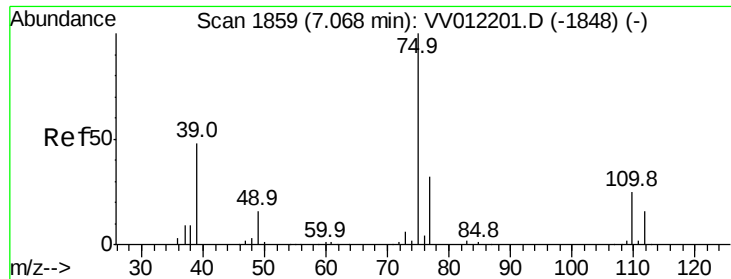
Tot Ion: 63 Resp: 165046
 Ion Ratio Lower Upper
 63 100
 112 5.1 4.0 6.0



#38
 Bromodichloromethane
 Concen: 49.043 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV012206.D
 Acq: 12 Aug 2019 15:13

Tgt Ion: 83 Resp: 226543
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.2 82.0
 127 8.3 6.7 10.1

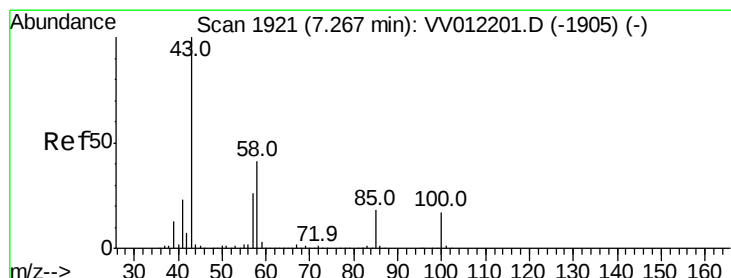
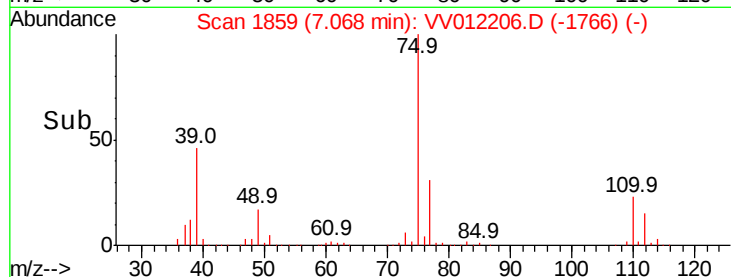
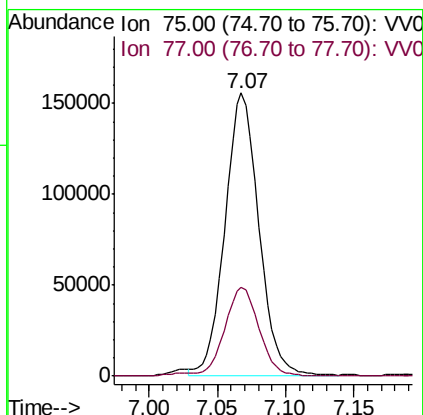
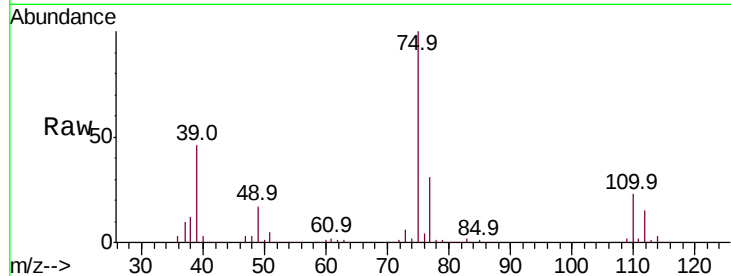




#39
 cis-1,3-Dichloropropene
 Concen: 49.449 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV012206.D
 Acq: 12 Aug 2019 15:13

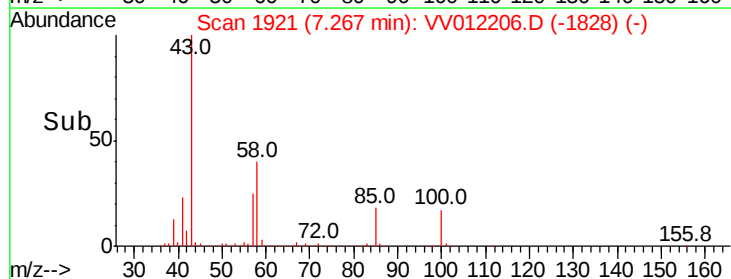
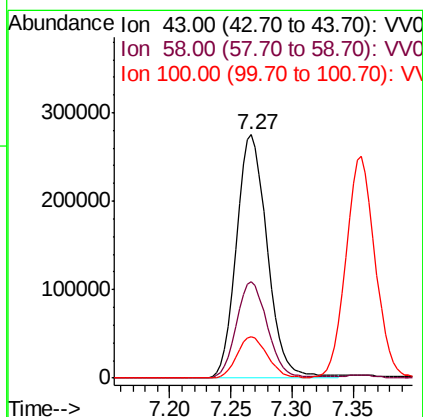
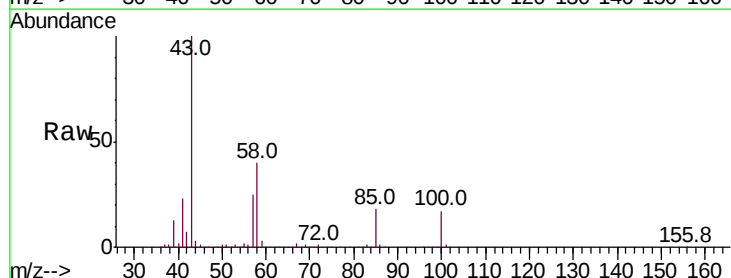
Instrument :
 MSVOA_V
 ClientSampleId :

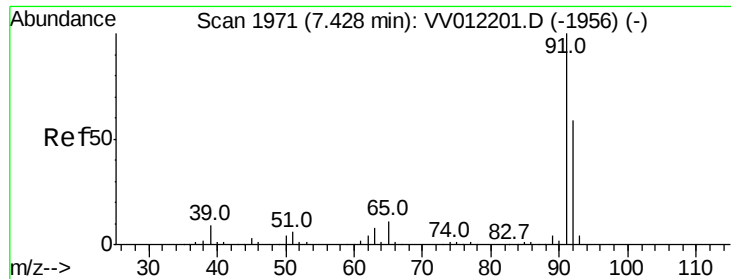
Tot Ion: 75 Resp: 267814
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 102.009 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VV012206.D
 Acq: 12 Aug 2019 15:13

Tgt Ion: 43 Resp: 483426
 Ion Ratio Lower Upper
 43 100
 58 40.0 32.3 48.5
 100 16.7 13.2 19.8





#42

Toluene

Concen: 49.105 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV012206.D

Acq: 12 Aug 2019 15:13

Instrument :

MSVOA_V

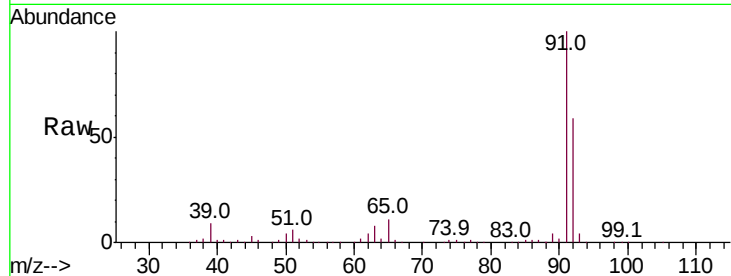
ClientSampled :

Tot Ion: 91 Resp: 710025

Ion Ratio Lower Upper

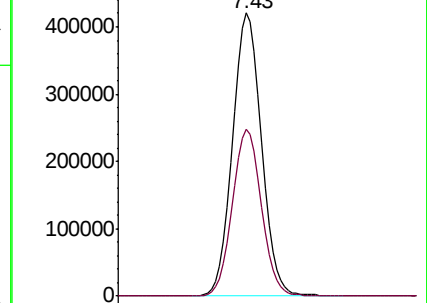
91 100

92 59.0 41.4 76.8

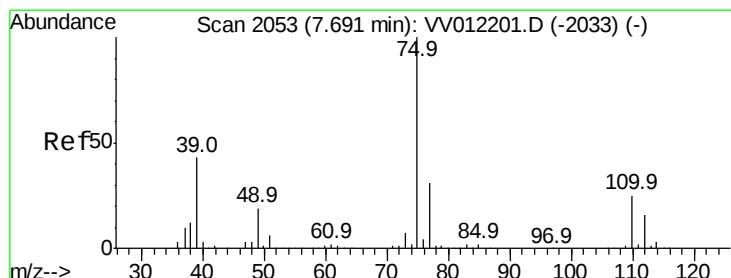
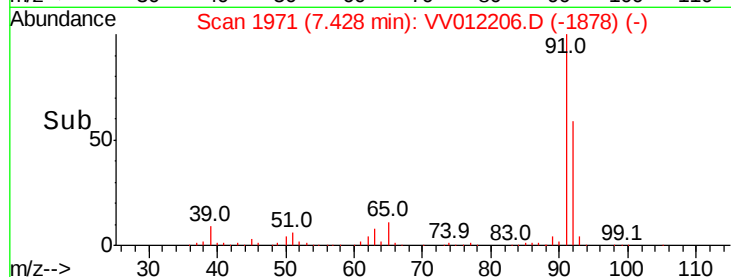


Abundance Ion 91.00 (90.70 to 91.70): VV012206.D (-1878) (-)

Ion 92.00 (91.70 to 92.70): VV012206.D (-1878) (-)



Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.522 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012206.D

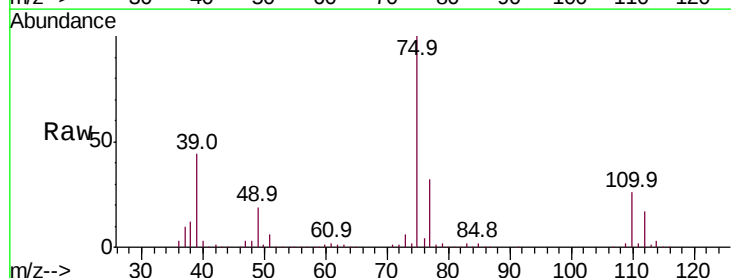
Acq: 12 Aug 2019 15:13

Tgt Ion: 75 Resp: 244686

Ion Ratio Lower Upper

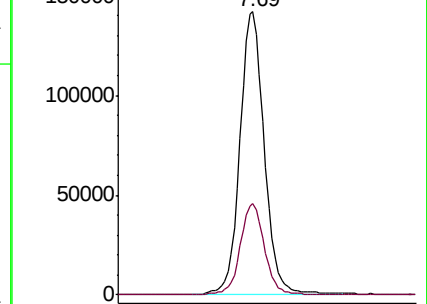
75 100

77 32.2 22.0 40.8

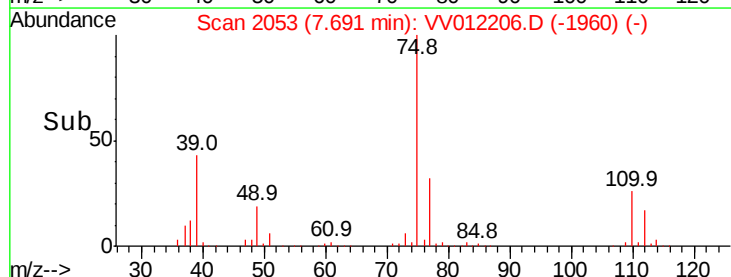


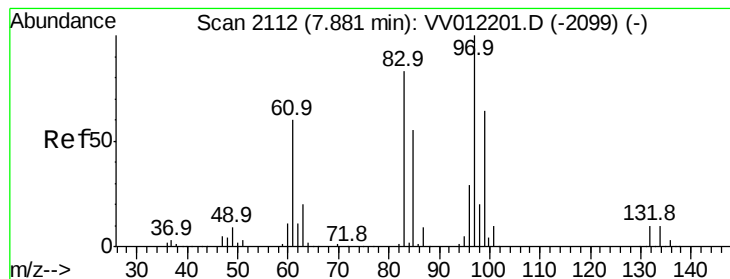
Abundance Ion 75.00 (74.70 to 75.30): VV012206.D (-1960) (-)

Ion 77.00 (76.70 to 77.30): VV012206.D (-1960) (-)



Time-->





#45

1,1,2-Trichloroethane

Concen: 47.807 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VV012206.D

Acq: 12 Aug 2019 15:13

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 97 Resp: 162108

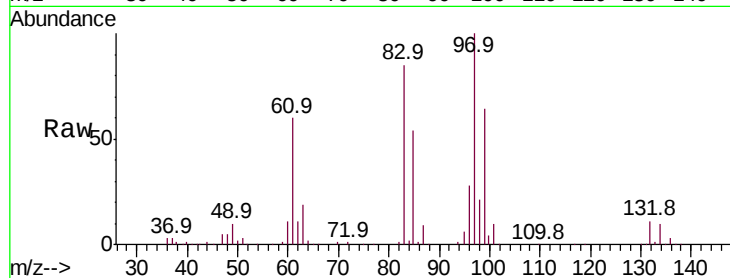
Ion Ratio Lower Upper

97 100

99 63.8 44.5 82.7

83 85.2 57.8 107.4

85 54.5 38.4 71.4

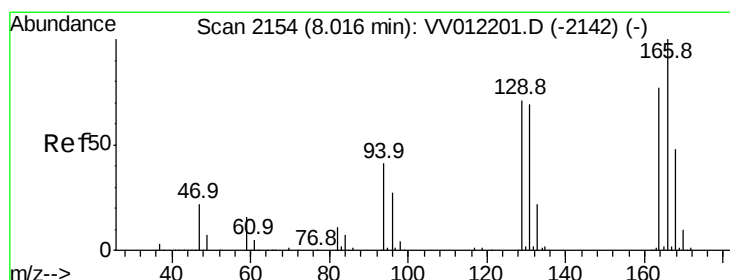
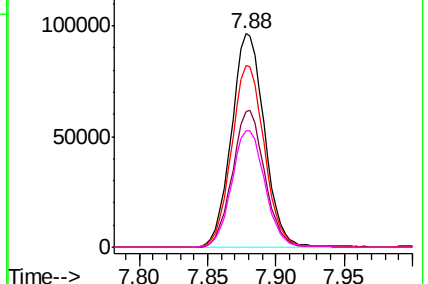
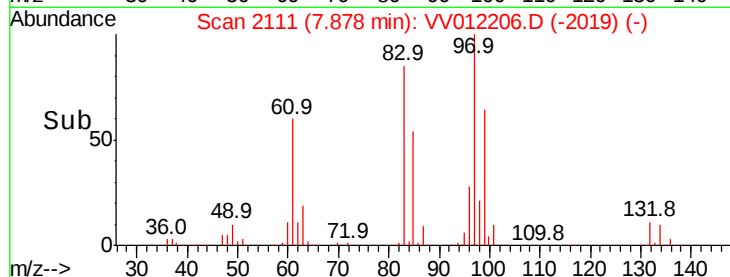


Abundance Ion 97.00 (96.70 to 97.70): VV012206.D (-2061) (-)

Ion 99.00 (98.70 to 99.70): VV012206.D (-2061) (-)

Ion 83.00 (82.70 to 83.70): VV012206.D (-2061) (-)

Ion 85.00 (84.70 to 85.70): VV012206.D (-2061) (-)



#46

Tetrachloroethene

Concen: 48.529 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012206.D

Acq: 12 Aug 2019 15:13

Tgt Ion: 164 Resp: 148053

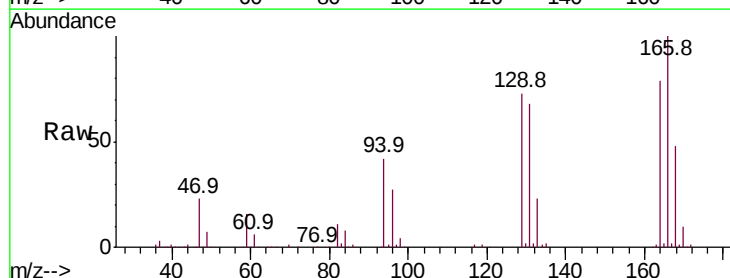
Ion Ratio Lower Upper

164 100

129 93.0 64.1 119.1

131 86.5 62.4 115.8

166 127.0 90.6 168.3

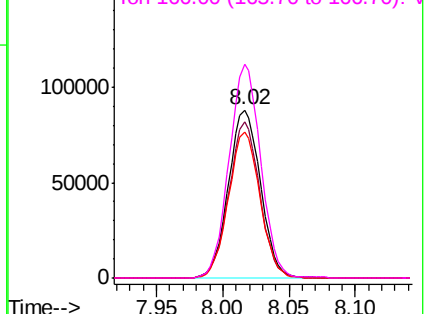
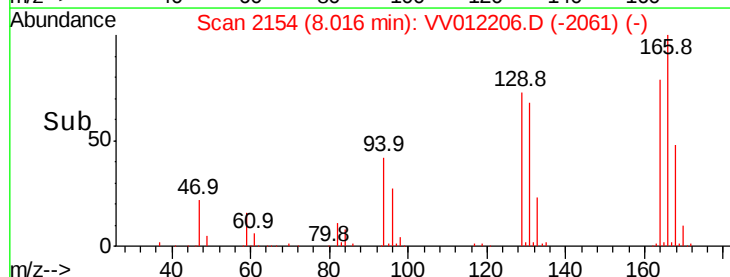


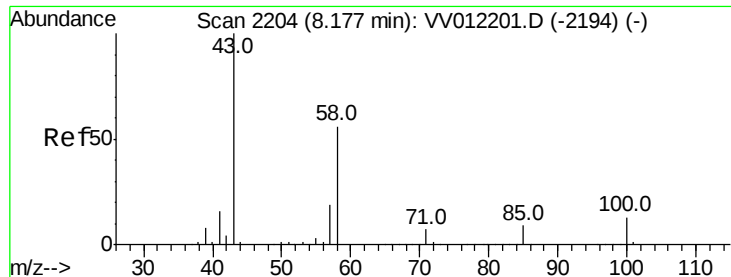
Abundance Ion 164.00 (163.70 to 164.70): VV012206.D (-2061) (-)

Ion 129.00 (128.70 to 129.70): VV012206.D (-2061) (-)

Ion 131.00 (130.70 to 131.70): VV012206.D (-2061) (-)

Ion 166.00 (165.70 to 166.70): VV012206.D (-2061) (-)

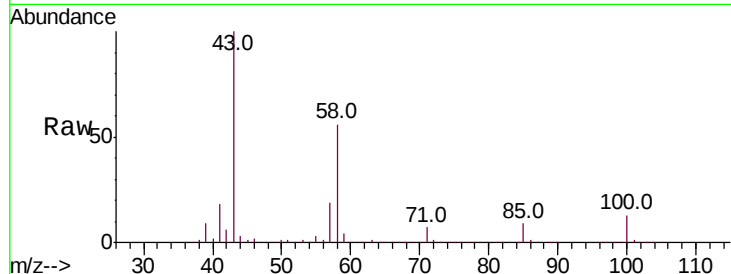




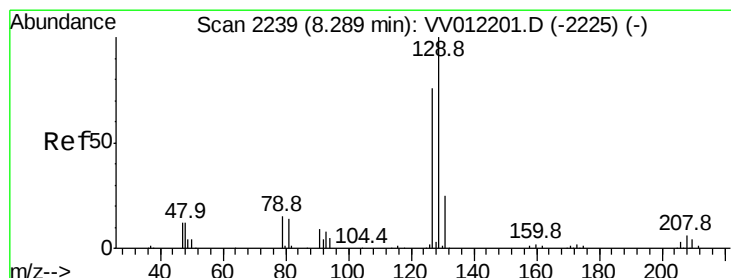
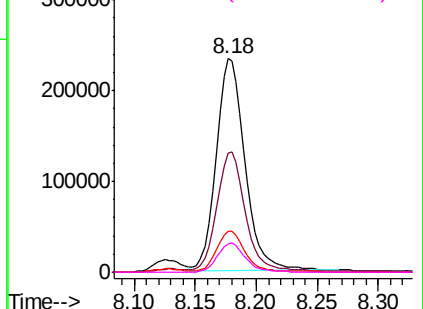
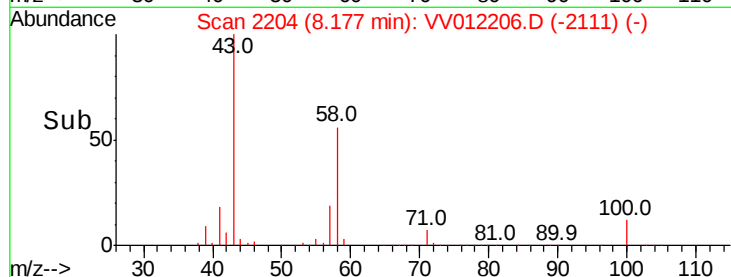
#48
2-Hexanone
Concen: 99.960 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VV012206.D
Acq: 12 Aug 2019 15:13

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 389550
Ion Ratio Lower Upper
43 100
58 55.8 43.5 65.3
57 19.1 15.1 22.7
100 13.5 10.4 15.6

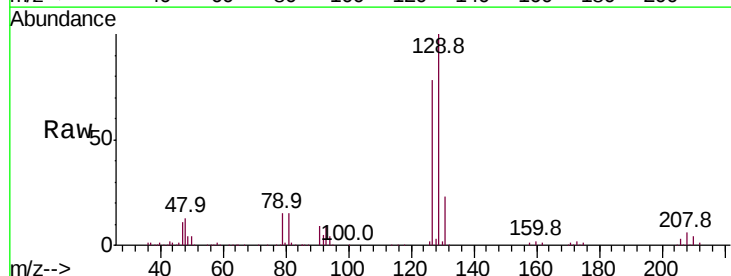


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

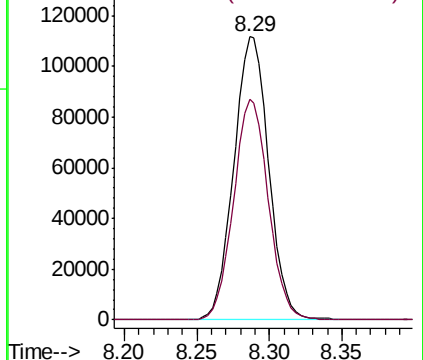
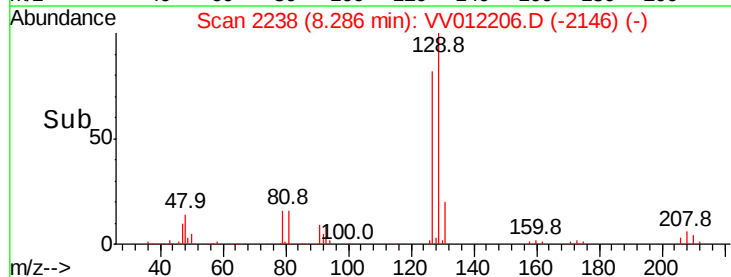


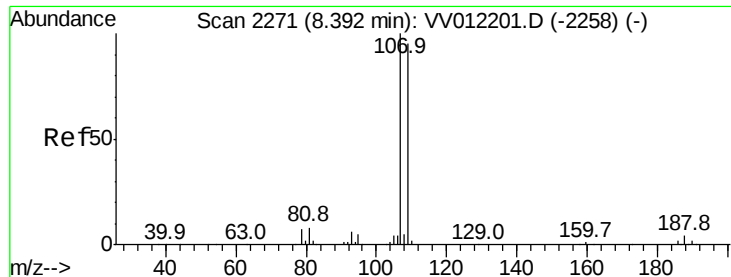
#49
Dibromochloromethane
Concen: 48.930 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV012206.D
Acq: 12 Aug 2019 15:13

Tgt Ion: 129 Resp: 187000
Ion Ratio Lower Upper
129 100
127 78.2 53.3 98.9



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

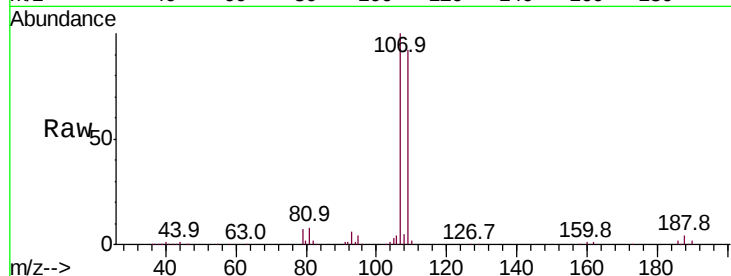




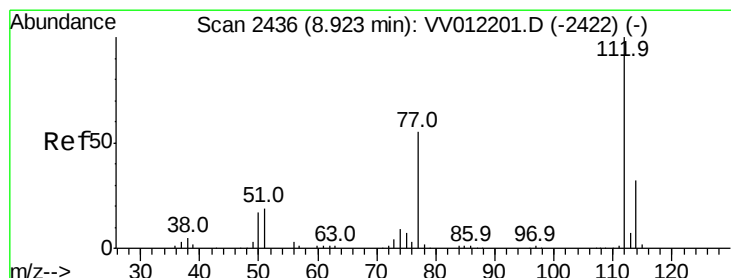
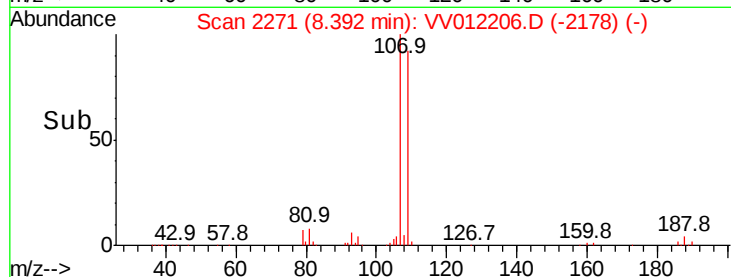
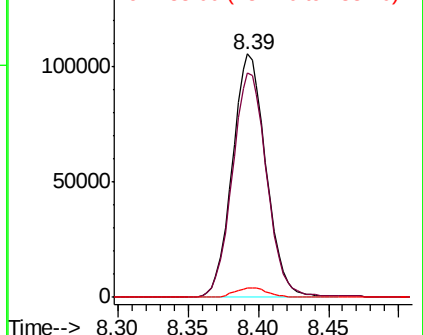
#50
1,2-Dibromoethane
Concen: 48.615 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV012206.D
Acq: 12 Aug 2019 15:13

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.1	66.4	123.4
188	3.8	3.0	4.6

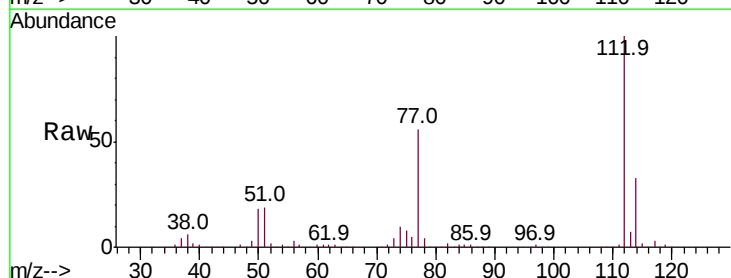


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

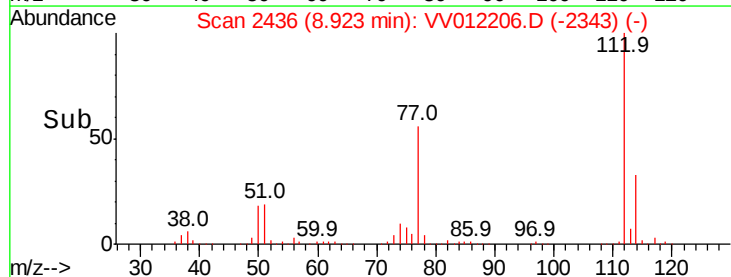
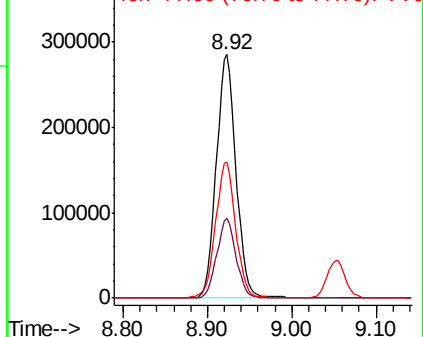


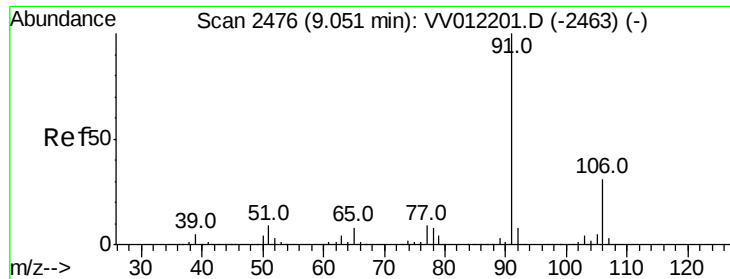
#51
Chlorobenzene
Concen: 48.209 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012206.D
Acq: 12 Aug 2019 15:13

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.5	41.9
77	55.7	44.4	66.6



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





#52

Ethylbenzene

Concen: 49.258 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV012206.D

Acq: 12 Aug 2019 15:13

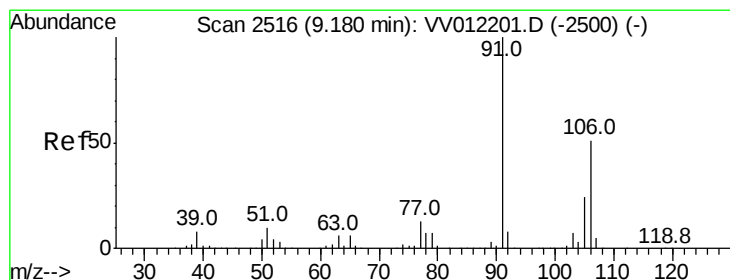
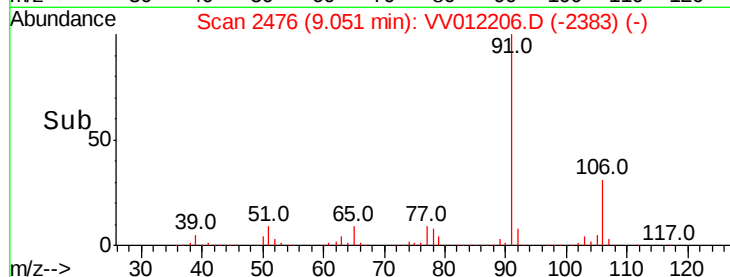
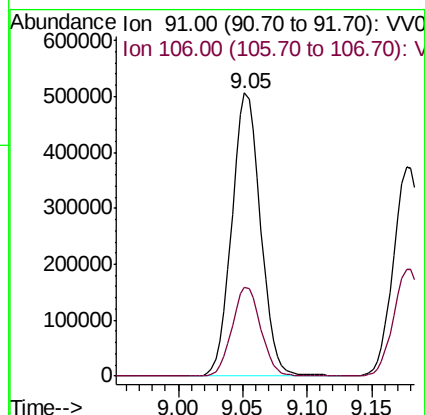
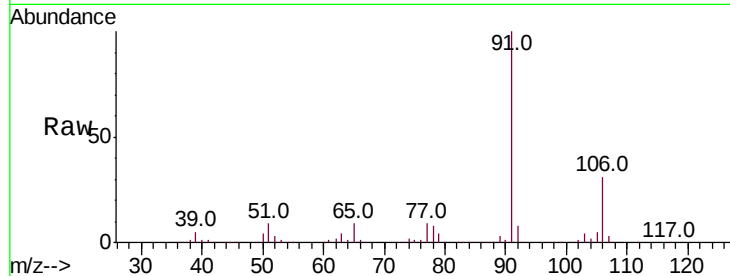
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 784028

Ion Ratio Lower Upper

91 100

106 31.5 21.8 40.4



#53

m,p-Xylene

Concen: 50.776 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV012206.D

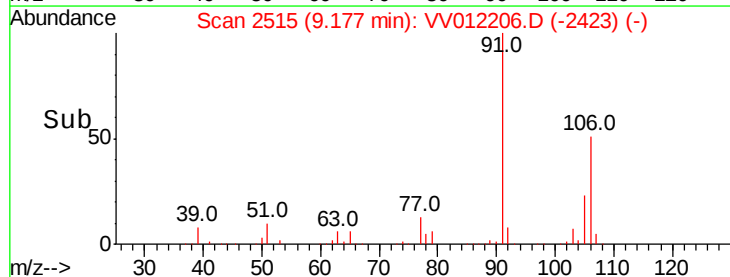
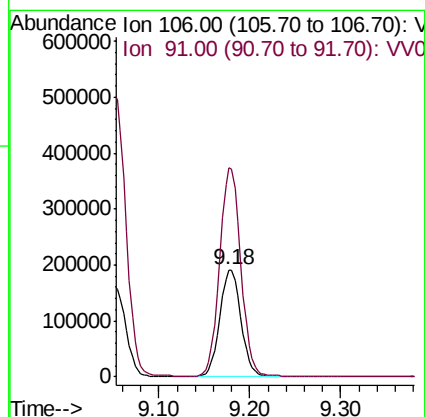
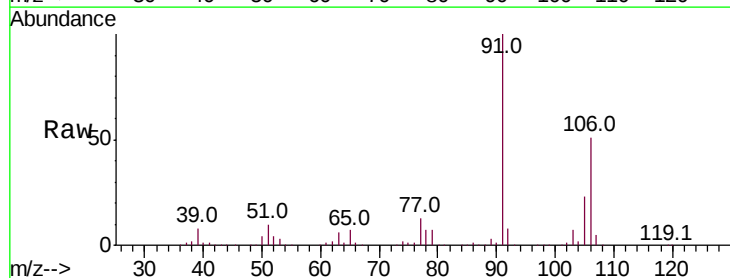
Acq: 12 Aug 2019 15:13

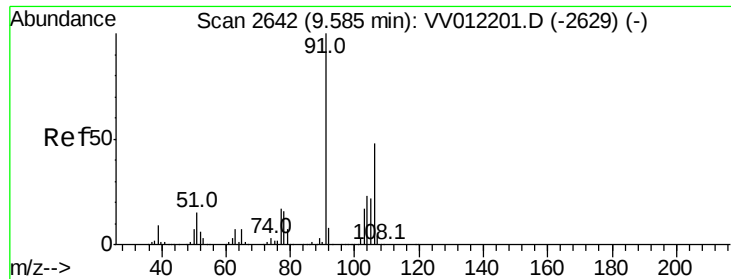
Tgt Ion: 106 Resp: 311139

Ion Ratio Lower Upper

106 100

91 196.2 138.0 256.4





#54

o-xylene

Concen: 49.701 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012206.D

Acq: 12 Aug 2019 15:13

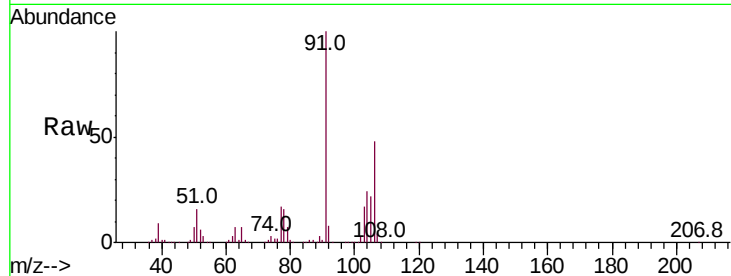
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 295073

Ion Ratio Lower Upper

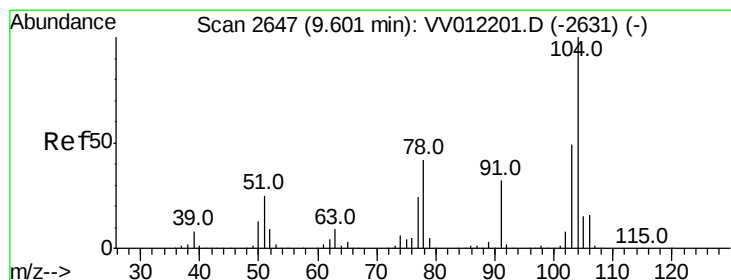
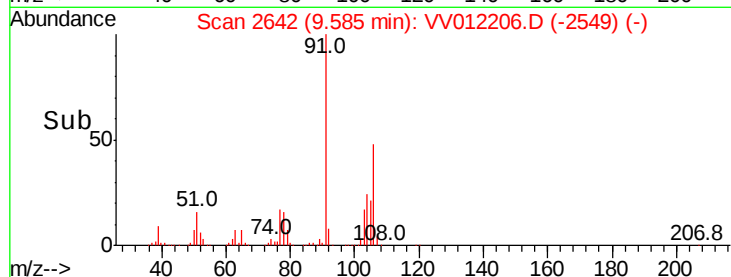
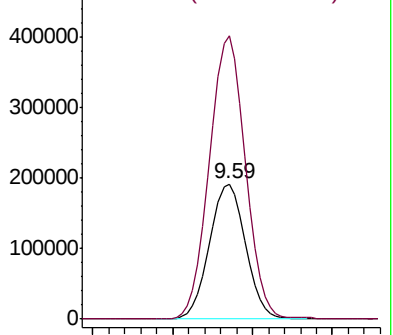
106 100

91 209.6 146.5 272.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 50.233 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012206.D

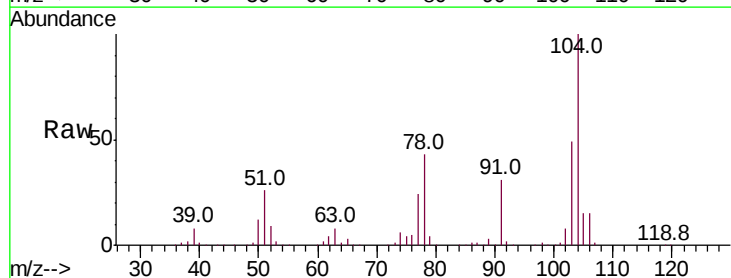
Acq: 12 Aug 2019 15:13

Tgt Ion:104 Resp: 511555

Ion Ratio Lower Upper

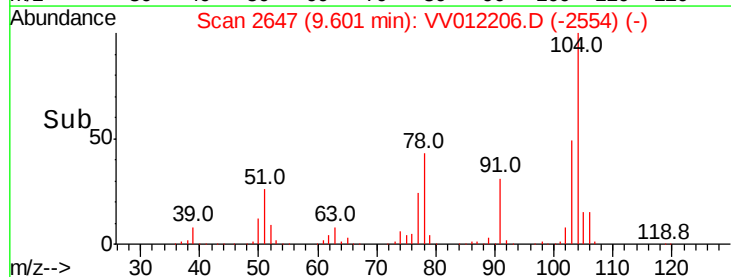
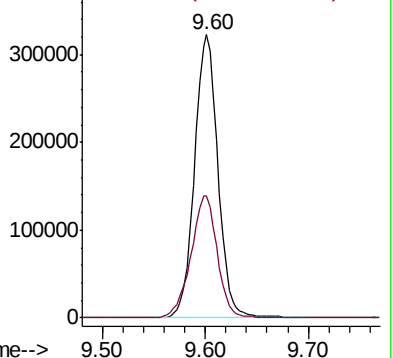
104 100

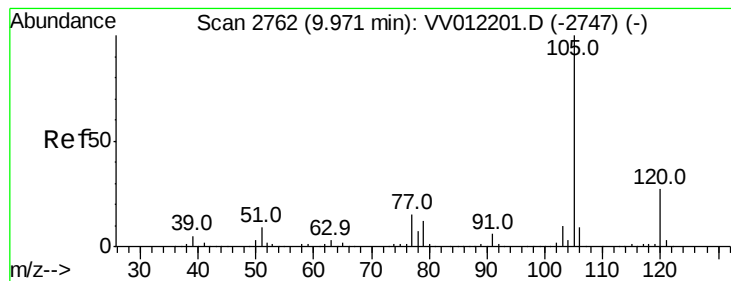
78 43.1 29.5 54.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 49.886 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV012206.D

Acq: 12 Aug 2019 15:13

Instrument :
MSVOA_V
ClientSampleId :

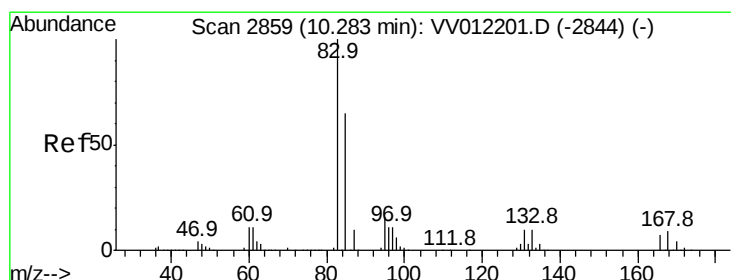
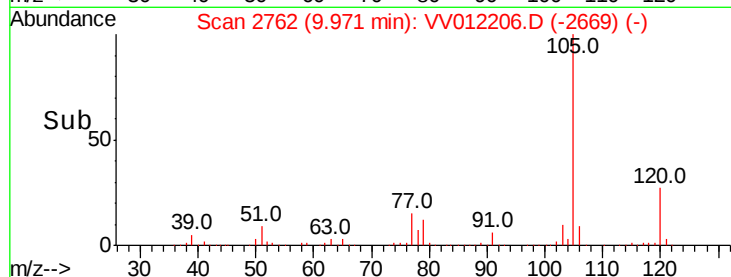
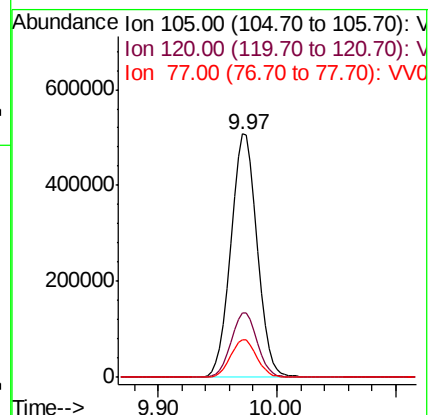
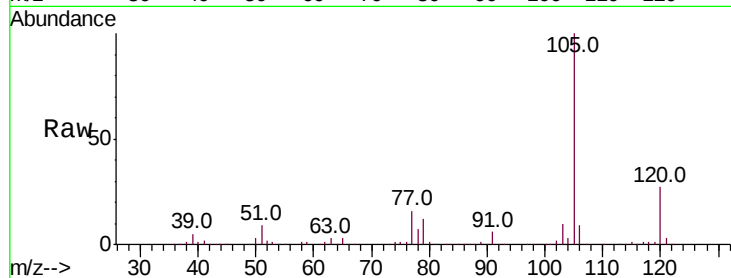
Tot Ion:105 Resp: 777412

Ion Ratio Lower Upper

105 100

120 26.6 21.8 32.8

77 15.6 12.0 18.0



#58

1,1,2,2-Tetrachloroethane

Concen: 48.052 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012206.D

Acq: 12 Aug 2019 15:13

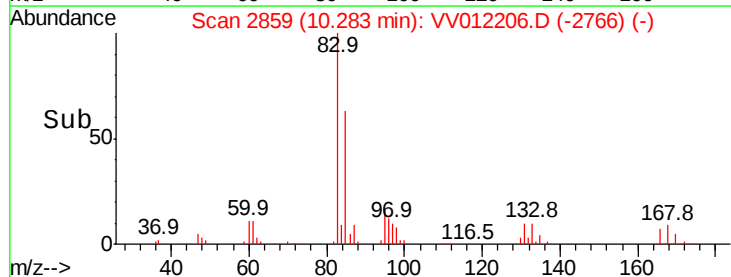
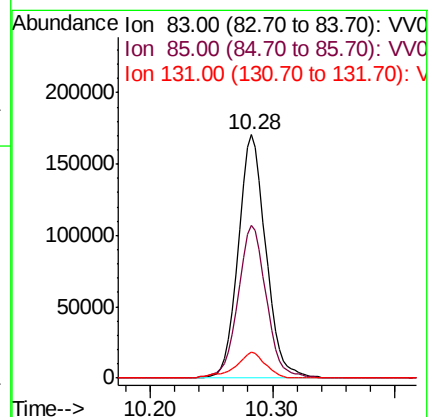
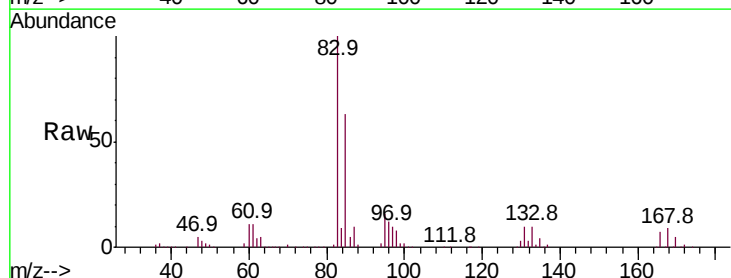
Tgt Ion: 83 Resp: 267785

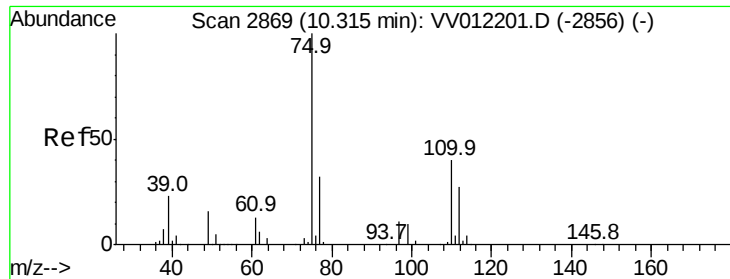
Ion Ratio Lower Upper

83 100

85 63.0 45.3 84.1

131 10.5 8.4 12.6

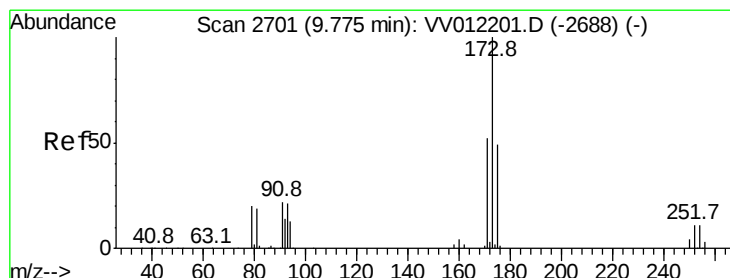
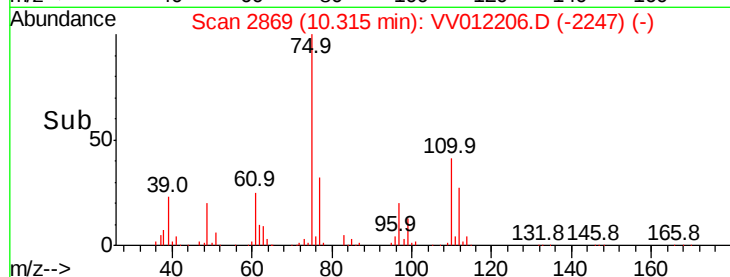
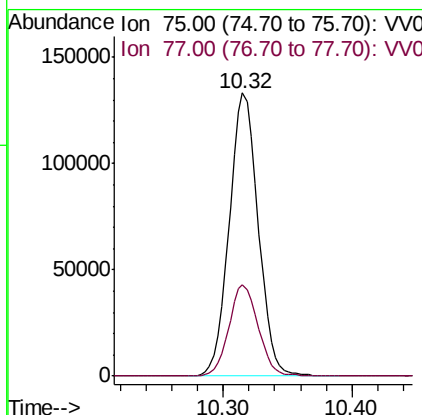
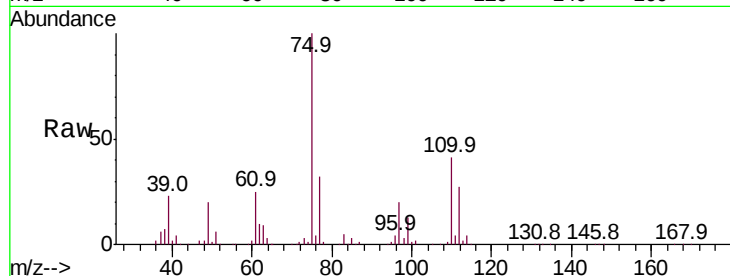




#59
 1,2,3-Trichloropropane
 Concen: 47.879 ug/L
 RT: 10.32 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VV012206.D
 Acq: 12 Aug 2019 15:13

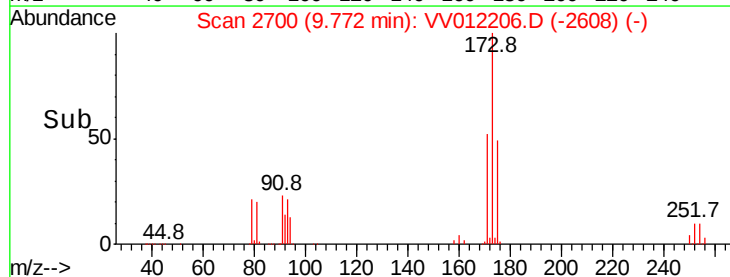
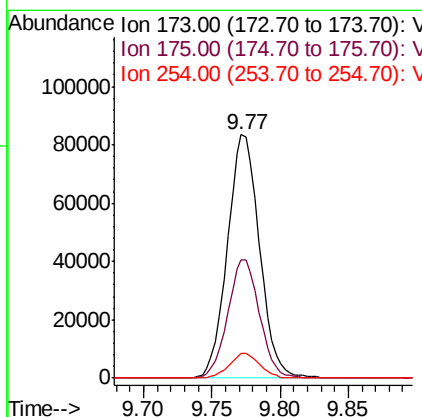
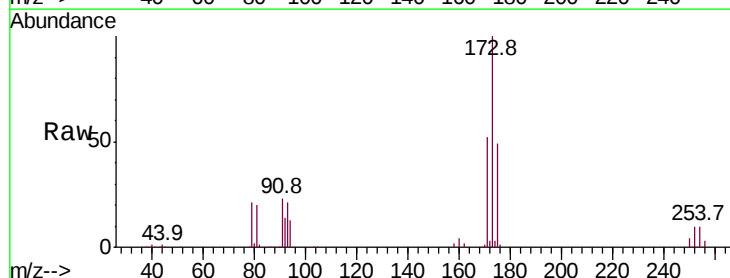
Instrument :
 MSVOA_V
 ClientSampled :

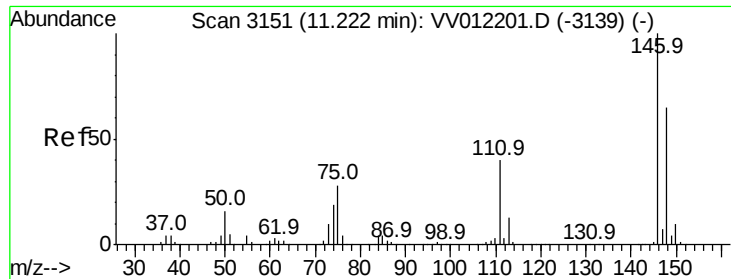
Tot Ion: 75 Resp: 207543
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.4 38.2



#61
 Bromoform
 Concen: 47.786 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. -0.00 min
 Lab File: VV012206.D
 Acq: 12 Aug 2019 15:13

Tgt Ion: 173 Resp: 136459
 Ion Ratio Lower Upper
 173 100
 175 48.0 39.0 58.4
 254 9.5 7.8 11.8

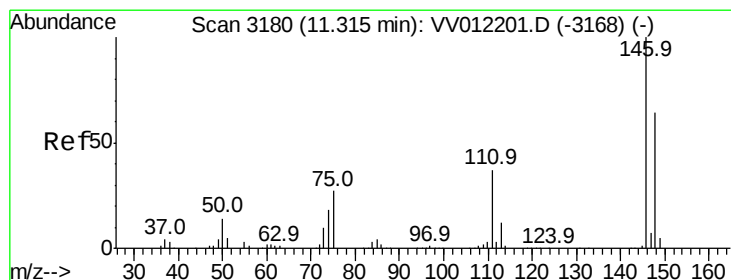
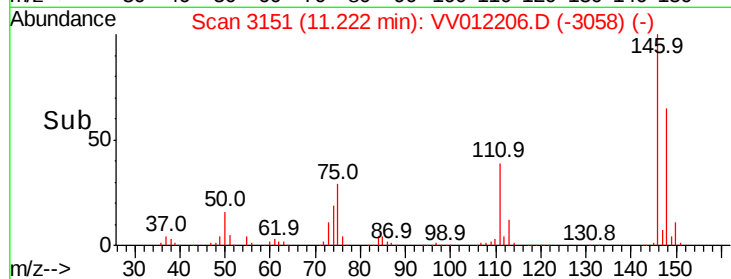
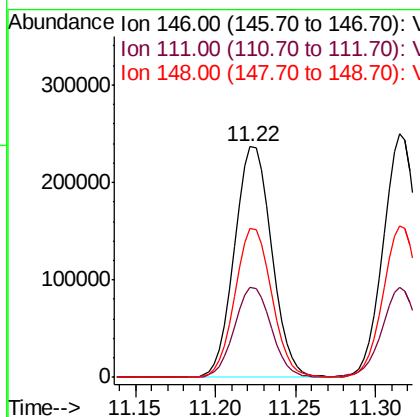
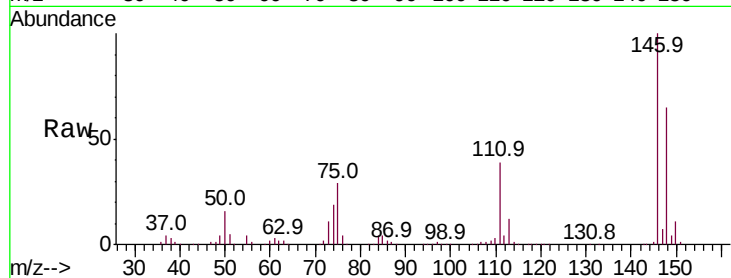




#62
 1,3-Dichlorobenzene
 Concen: 47.256 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV012206.D
 Acq: 12 Aug 2019 15:13

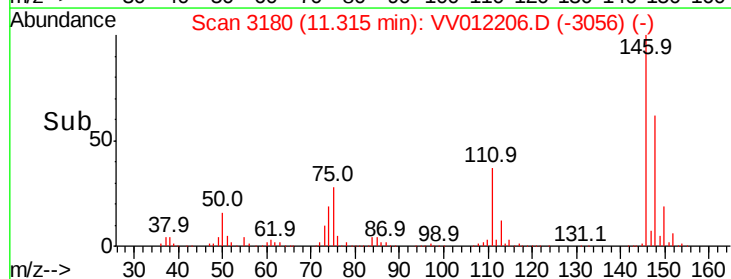
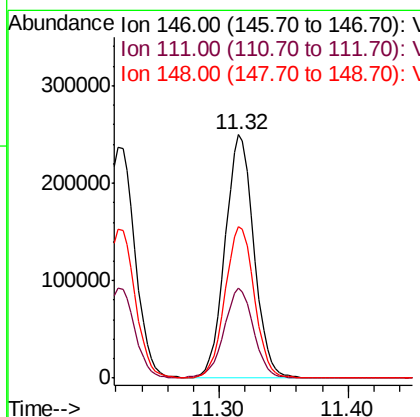
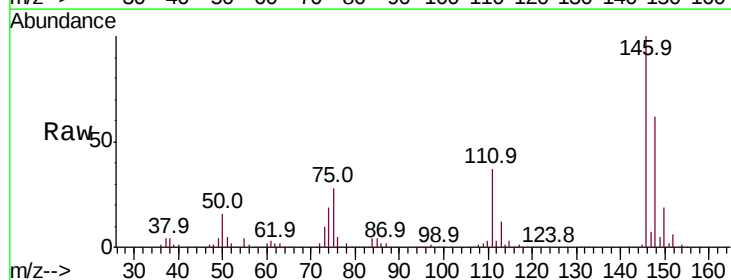
Instrument :
 MSVOA_V
 ClientSampleId :

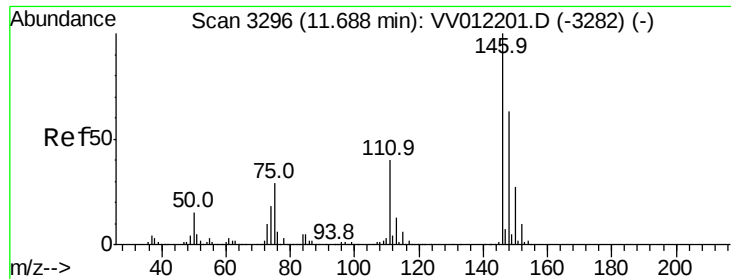
Tot Ion:146 Resp: 375216
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.7 51.5
 148 64.7 45.5 84.5



#63
 1,4-Dichlorobenzene
 Concen: 47.592 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV012206.D
 Acq: 12 Aug 2019 15:13

Tgt Ion:146 Resp: 386070
 Ion Ratio Lower Upper
 146 100
 111 36.8 25.8 48.0
 148 62.3 44.8 83.2





#65

1,2-Dichlorobenzene

Concen: 46.818 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012206.D

Acq: 12 Aug 2019 15:13

Instrument :

MSVOA_V

ClientSampleId :

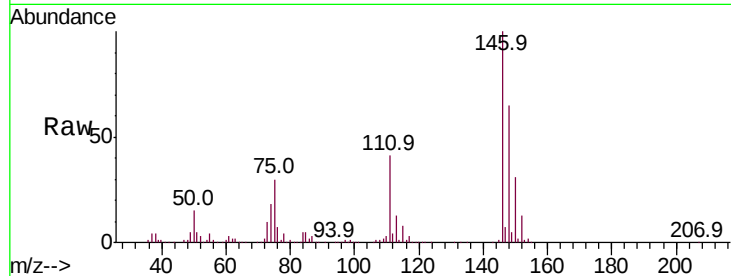
Tot Ion:146 Resp: 372223

Ion Ratio Lower Upper

146 100

111 40.9 31.8 47.6

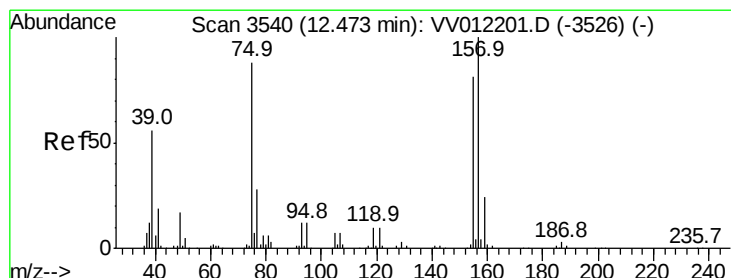
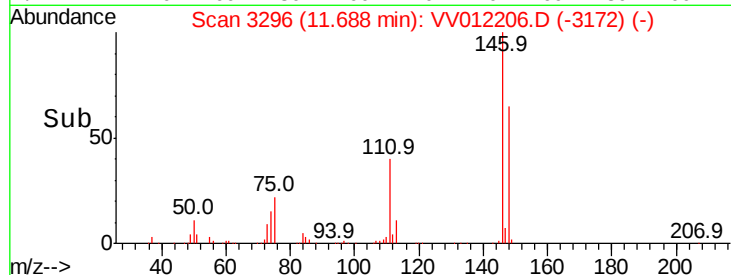
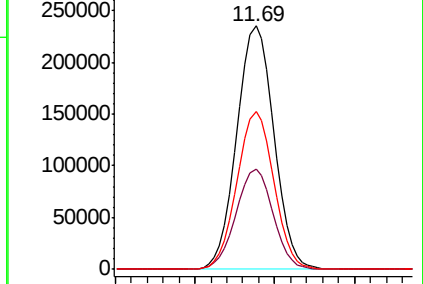
148 64.6 50.6 76.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 47.822 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV012206.D

Acq: 12 Aug 2019 15:13

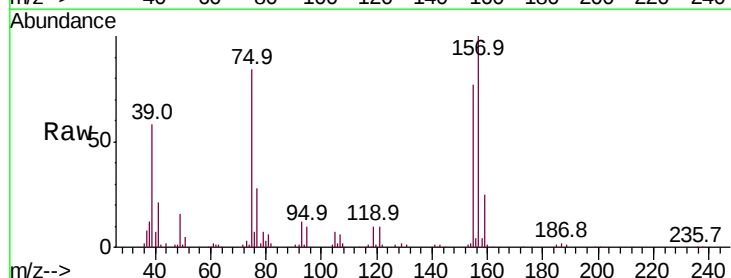
Tgt Ion: 75 Resp: 58532

Ion Ratio Lower Upper

75 100

155 91.0 73.9 110.9

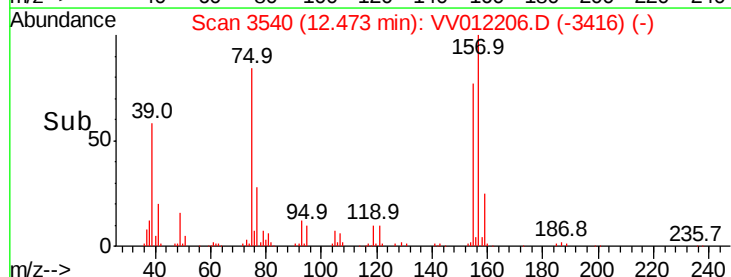
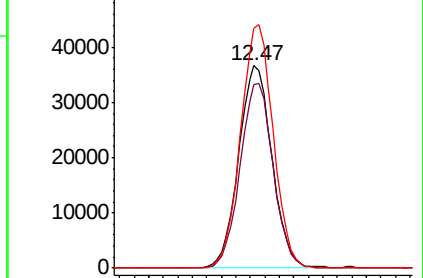
157 118.4 91.2 136.8

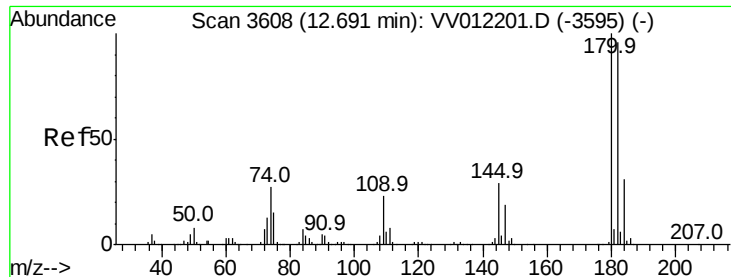


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

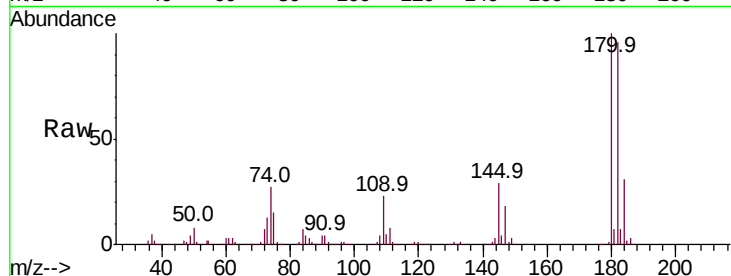




#67
 1,3,5-Trichlorobenzene
 Concen: 48.414 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012206.D
 Acq: 12 Aug 2019 15:13

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.0	114.0
184	30.6	24.0	36.0
145	29.0	23.0	34.6



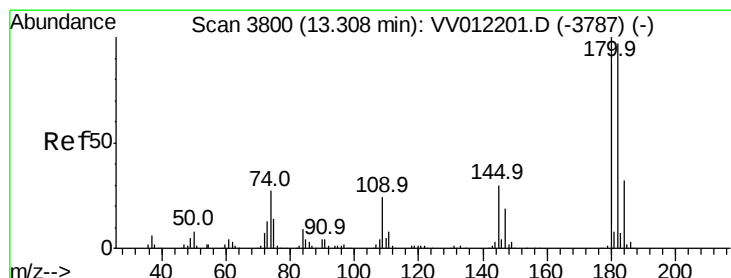
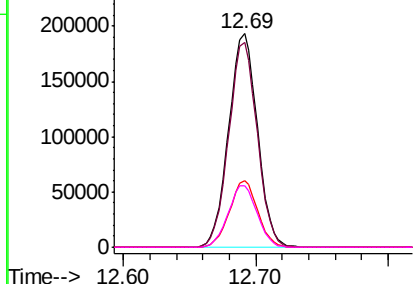
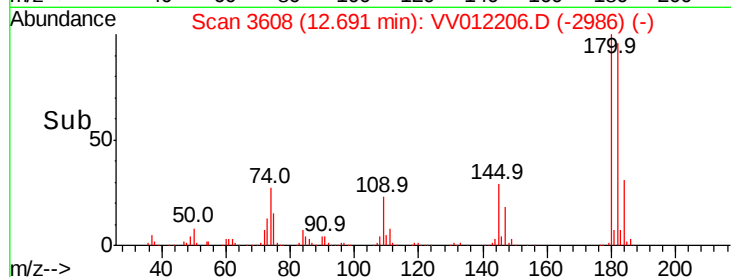
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

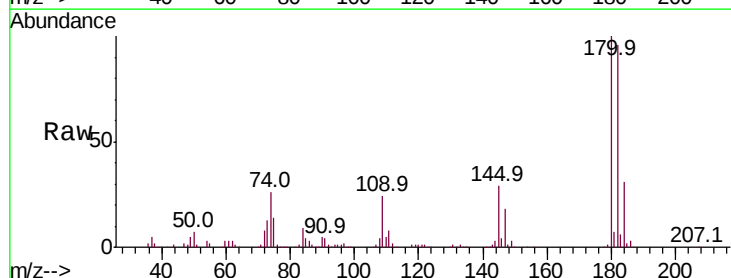
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 50.648 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012206.D
 Acq: 12 Aug 2019 15:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.6	115.0
145	29.3	23.8	35.6

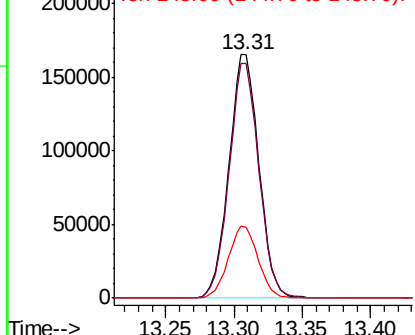
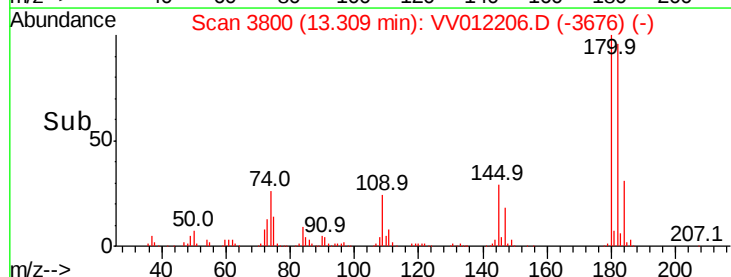


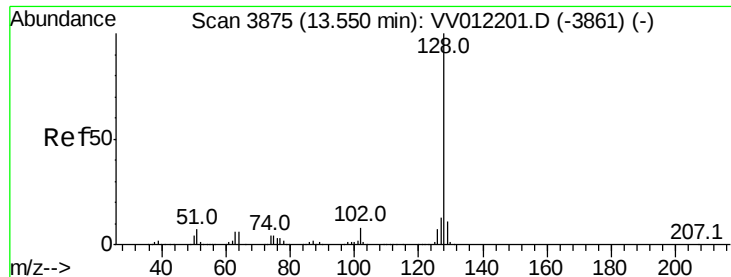
Abundance

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

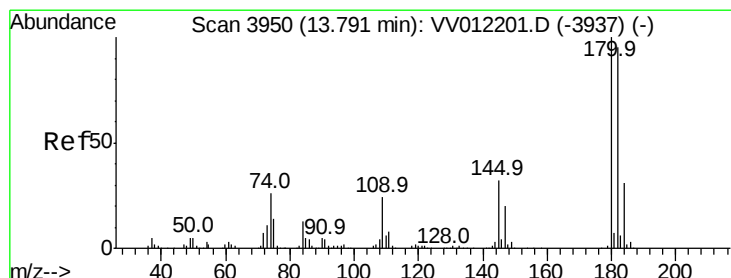
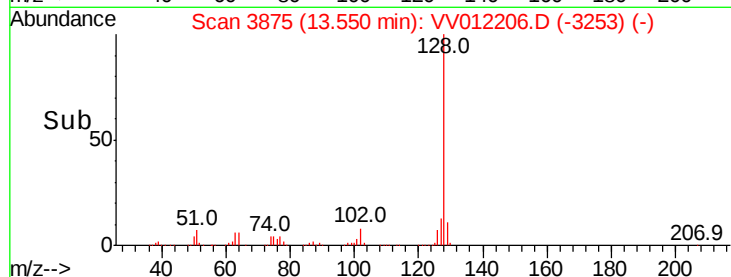
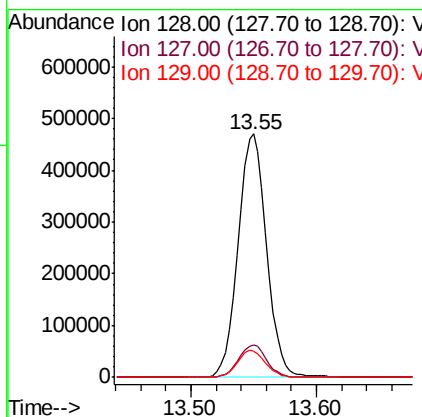
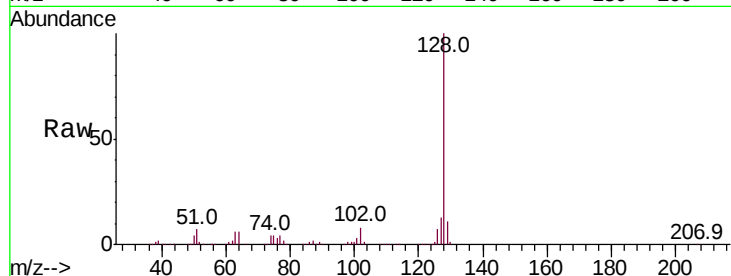




#69
Naphthalene
Concen: 51.862 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.00 min
Lab File: VV012206.D
Acq: 12 Aug 2019 15:13

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:128 Resp: 739960
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.0 8.6 13.0



#70
1,2,3-Trichlorobenzene
Concen: 49.371 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VV012206.D
Acq: 12 Aug 2019 15:13

Tgt Ion:180 Resp: 258889
Ion Ratio Lower Upper
180 100
182 95.1 75.4 113.2
145 31.0 25.0 37.4

