

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092420\
 Data File : VV018429.D
 Acq On : 24 Sep 2020 15:14
 Operator : SY/MD
 Sample : L4109-05ME
 Misc : 6.46g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3W9ME

Quant Time: Sep 25 04:46:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 25 04:36:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	463483	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	452565	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	245019	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	101210	26.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	53.58%#
7) Chloroethane-d5	1.58	69	85804	27.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	55.52%#
11) 1,1-Dichloroethene-d2	2.10	63	157571	22.74	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	45.48%#
21) 2-Butanone-d5	3.93	46	147687	63.88	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	63.88%
24) Chloroform-d	4.37	84	218697	33.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	66.74%#
26) 1,2-Dichloroethane-d4	5.05	65	148743	35.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	70.82%
32) Benzene-d6	5.07	84	453648	35.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	70.04%
36) 1,2-Dichloropropane-d6	6.09	67	146833	35.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	71.34%
41) Toluene-d8	7.34	98	421249	35.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	71.36%#
43) trans-1,3-Dichloropropene-	7.65	79	74284	35.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.02%
47) 2-Hexanone-d5	8.14	63	130051	83.40	ug/L	0.04
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.40%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	192213	37.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	74.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	193548	38.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.92%#

Target Compounds

					Ovalue
20) cis-1,2-Dichloroethene	3.93	96	27801	8.292	ug/L 97
29) Cyclohexane	4.69	56	299900	57.387	ug/L 99
30) 1,1,1-Trichloroethane	4.63	97	120185	22.883	ug/L 99
31) Carbon tetrachloride	4.63	117	15770	3.415	ug/L 99
35) Methylcyclohexane	6.14	83	5270	0.993	ug/L 94
39) cis-1,3-Dichloropropene	7.01	75	4136	0.783	ug/L # 56
42) Toluene	7.41	91	3054054	223.032	ug/L 98
45) 1,1,2-Trichloroethane	7.81	97	2441	0.768	ug/L # 26
51) Chlorobenzene	8.91	112	11825	1.330	ug/L 96
52) Ethylbenzene	9.04	91	354274	23.698	ug/L 99
53) m,p-Xylene	9.16	106	560766	100.495	ug/L 96
54) o-xylene	9.57	106	252016	46.880	ug/L 100
55) Styrene	9.57	104	13013	1.393	ug/L # 1
56) Isopropylbenzene	9.95	105	247322	17.071	ug/L 100
59) 1,2,3-Trichloropropane	10.38	75	8220	2.038	ug/L # 1
63) 1,4-Dichlorobenzene	11.30	146	13172	1.759	ug/L # 89
65) 1,2-Dichlorobenzene	11.67	146	29754	4.040	ug/L 96

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ClientSampleId :
BG3W9ME

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 25 04:36:20 2020
Response via : Initial Calibration

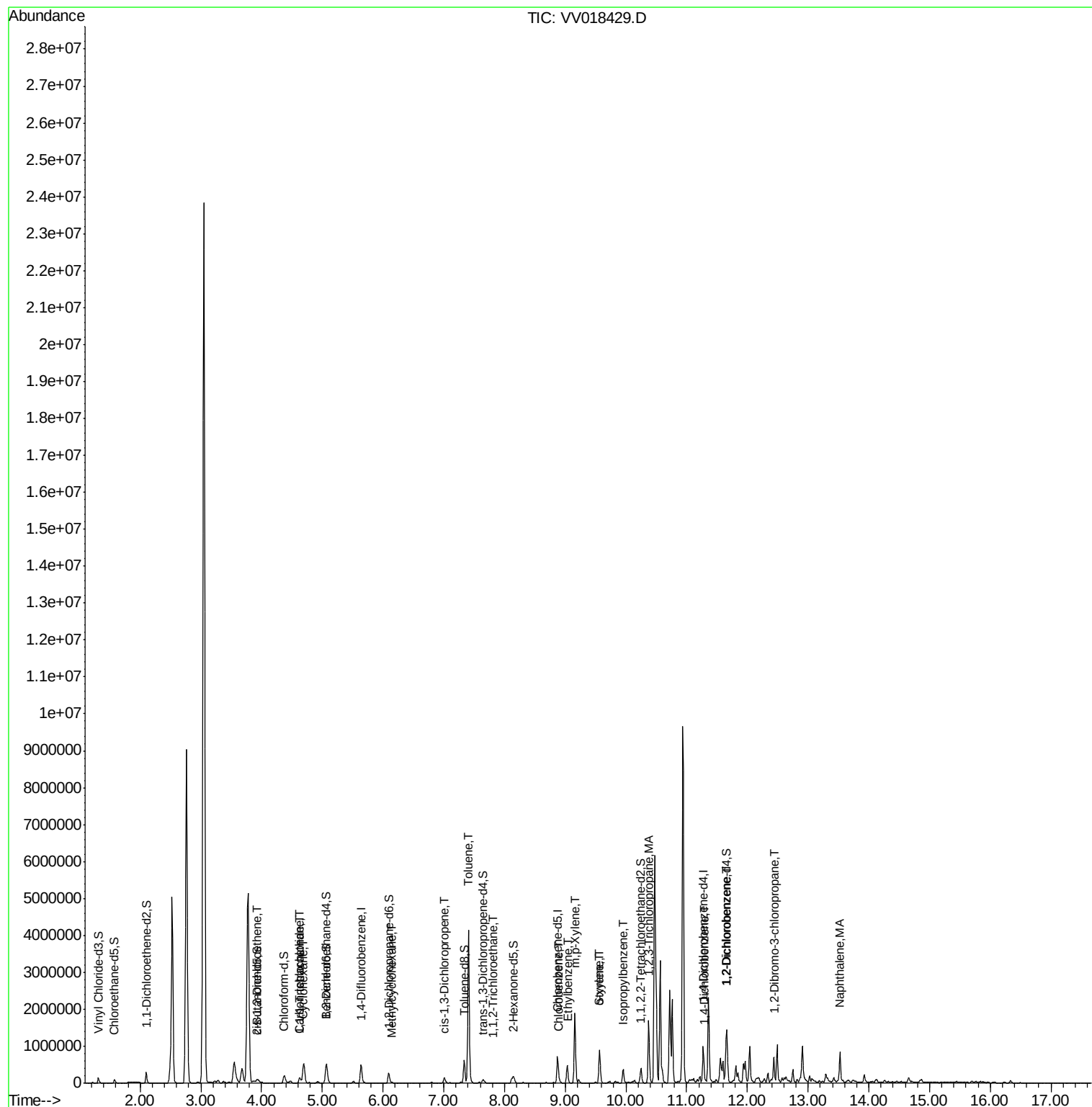
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dibromo-3-chloropropan	12.43	75	2548	2.452	ug/L #	4
69) Naphthalene	13.52	128	601431	46.471	ug/L	99

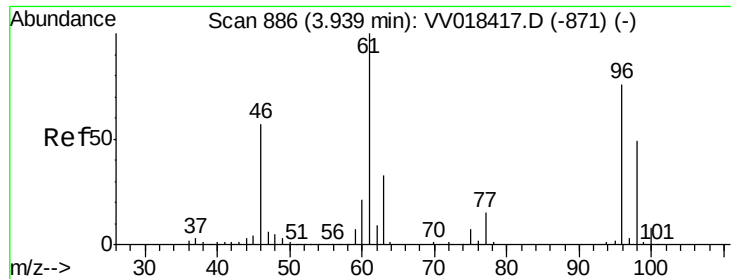
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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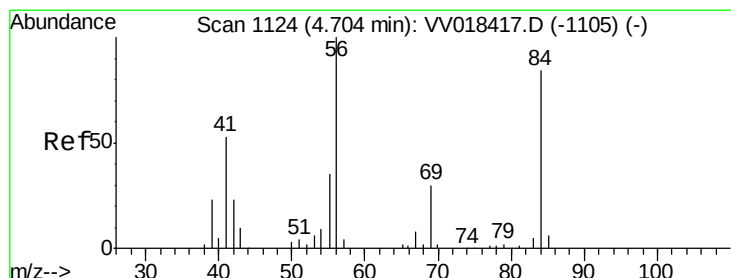
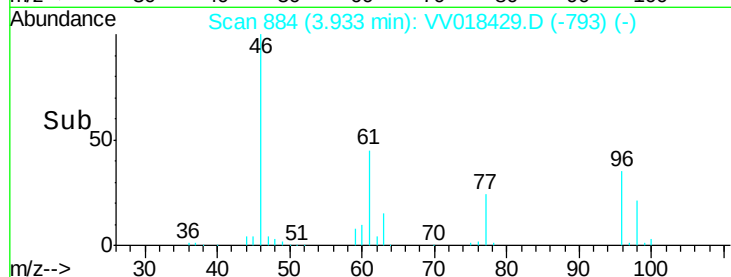
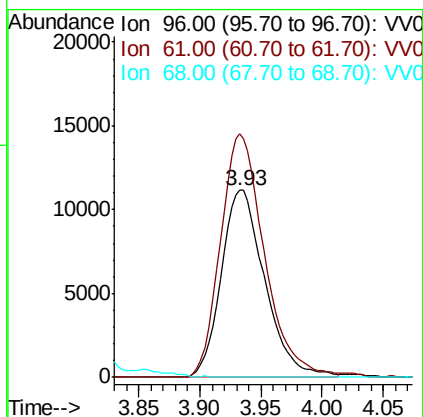
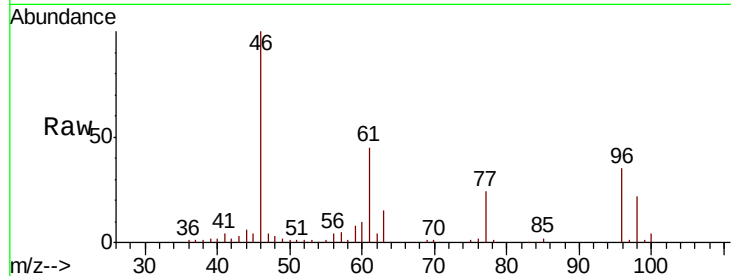




#20
 cis-1,2-Dichloroethene
 Concen: 8.292 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: VV018429.D
 Acq: 24 Sep 2020 15:14

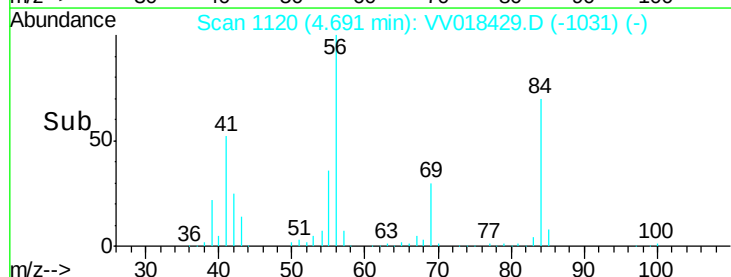
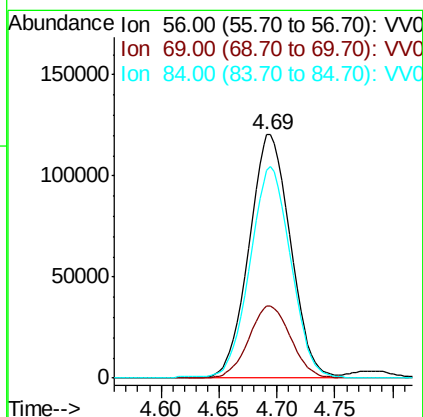
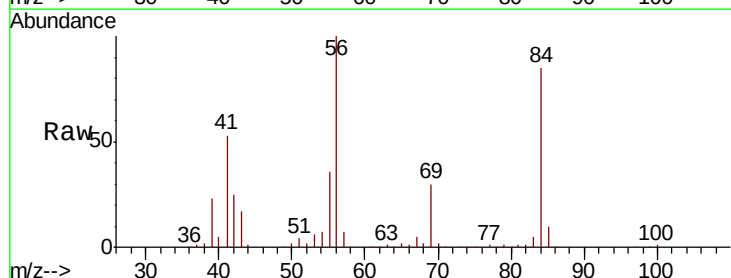
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3W9ME

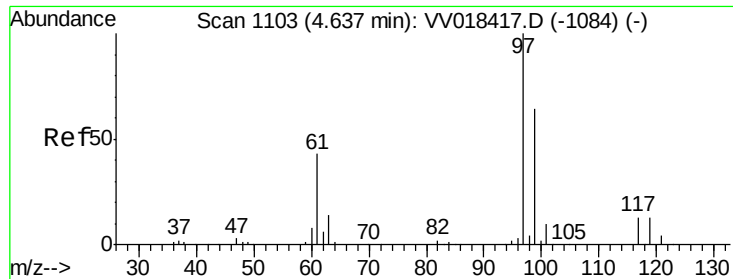
Tot Ion: 96 Resp: 27801
 Ion Ratio Lower Upper
 96 100
 61 130.2 93.6 173.8
 68 0.0 0.0 0.0



#29
 Cyclohexane
 Concen: 57.387 ug/L
 RT: 4.69 min Scan# 1120
 Delta R.T. -0.01 min
 Lab File: VV018429.D
 Acq: 24 Sep 2020 15:14

Tgt Ion: 56 Resp: 299900
 Ion Ratio Lower Upper
 56 100
 69 30.0 24.2 36.2
 84 86.1 68.3 102.5

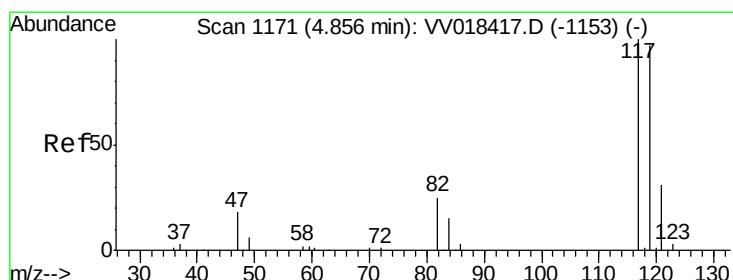
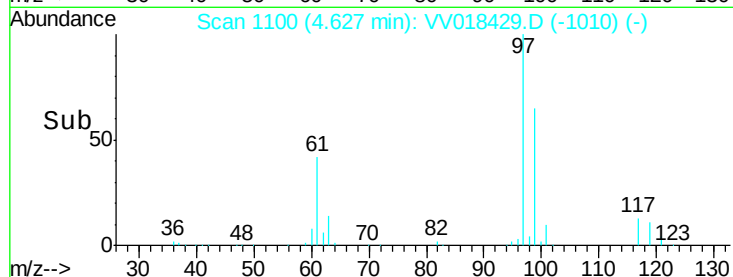
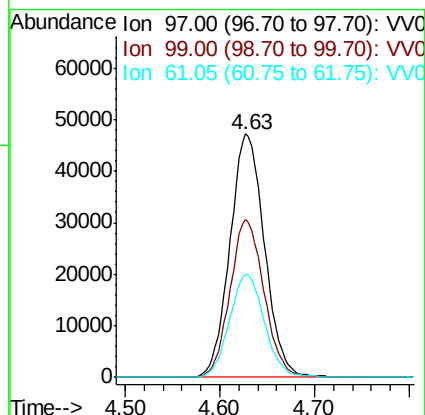
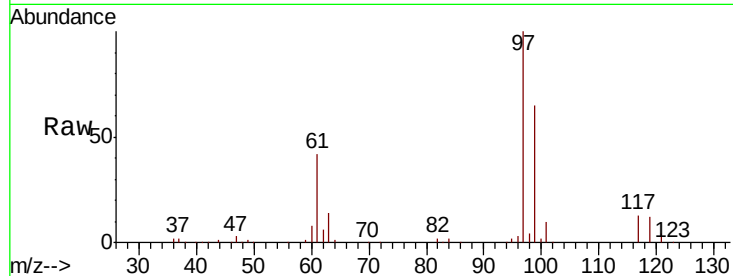




#30
 1,1,1-Trichloroethane
 Concen: 22.883 ug/L
 RT: 4.63 min Scan# 1100
 Delta R.T. -0.01 min
 Lab File: VV018429.D
 Acq: 24 Sep 2020 15:14

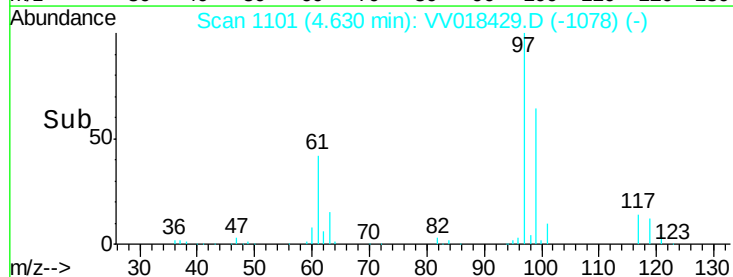
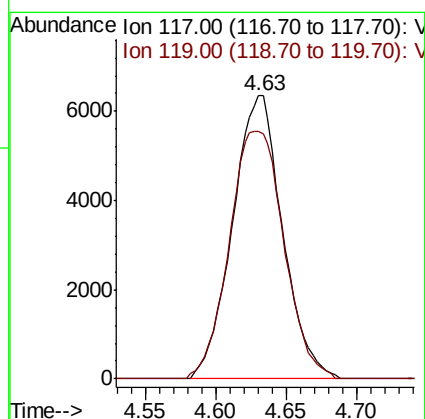
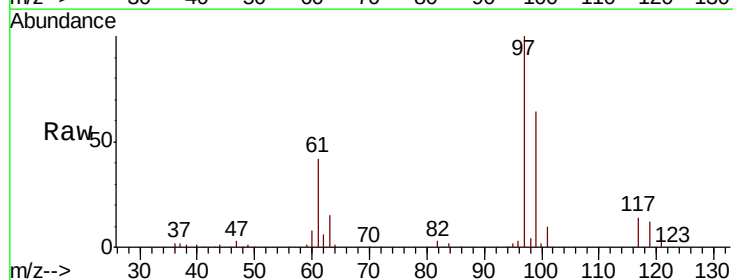
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3W9ME

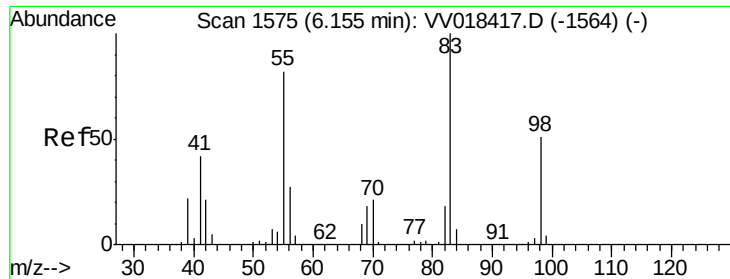
Tot Ion: 97 Resp: 120185
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.6 77.4
 61 42.6 34.9 52.3



#31
 Carbon tetrachloride
 Concen: 3.415 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. -0.23 min
 Lab File: VV018429.D
 Acq: 24 Sep 2020 15:14

Tgt Ion: 117 Resp: 15770
 Ion Ratio Lower Upper
 117 100
 119 95.4 75.7 113.5

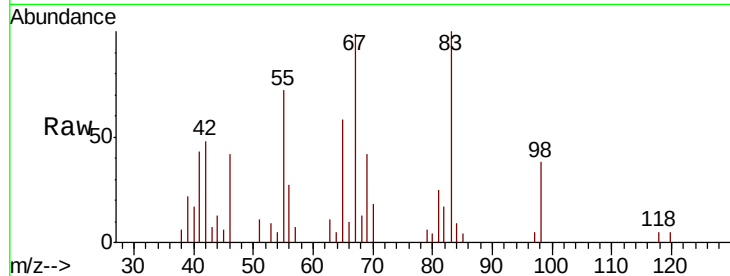




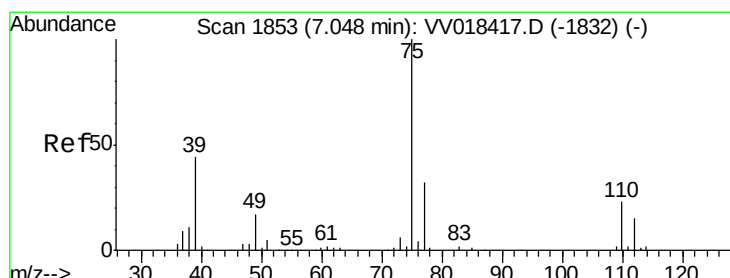
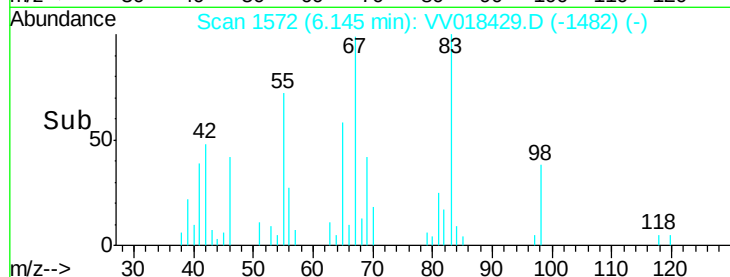
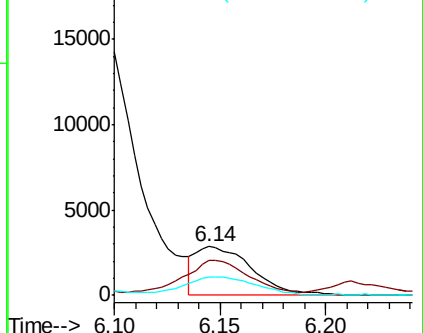
#35
Methylvlcyclohexane
Concen: 0.993 ug/L
RT: 6.14 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VV018429.D
Acq: 24 Sep 2020 15:14

Instrument :
MSVOA_V
ClientSampleId :
BG3W9ME

Tot Ion: 83 Resp: 5270
Ion Ratio Lower Upper
83 100
55 87.6 63.4 95.2
98 47.7 38.8 58.2

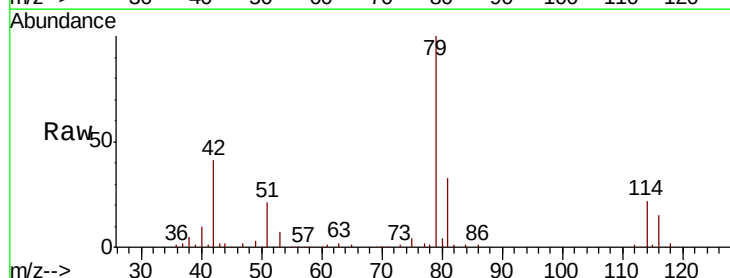


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

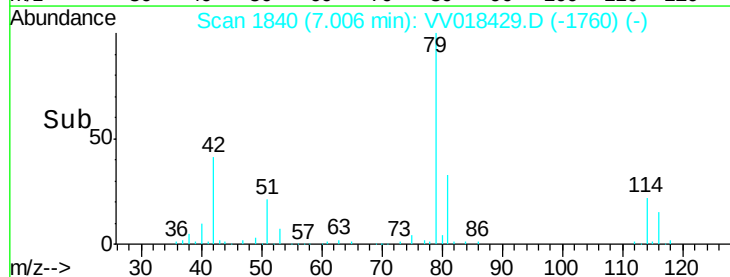
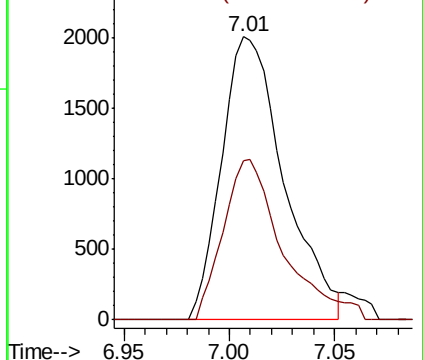


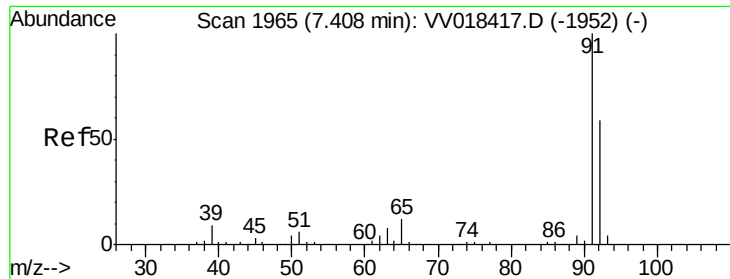
#39
cis-1,3-Dichloropropene
Concen: 0.783 ug/L
RT: 7.01 min Scan# 1840
Delta R.T. -0.04 min
Lab File: VV018429.D
Acq: 24 Sep 2020 15:14

Tgt Ion: 75 Resp: 4136
Ion Ratio Lower Upper
75 100
77 56.1 22.3 41.3#



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





#42

Toluene

Concen: 223.032 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018429.D

Acq: 24 Sep 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

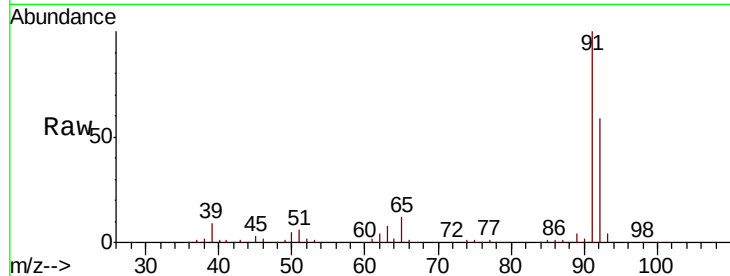
BG3W9ME

Tot Ion: 91 Resp: 3054054

Ion Ratio Lower Upper

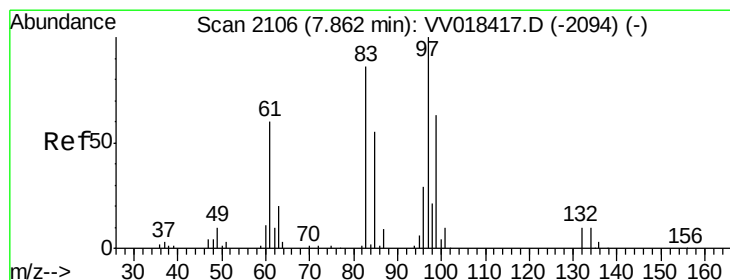
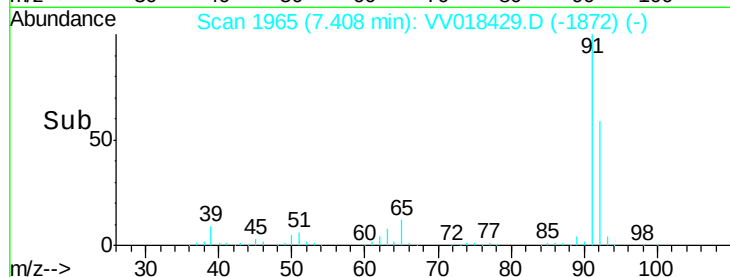
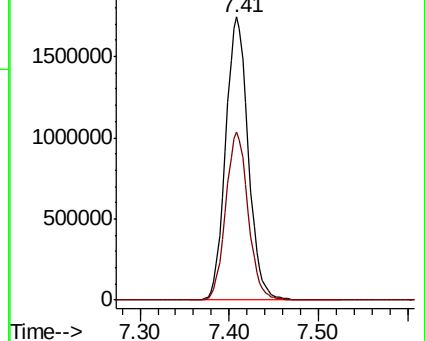
91 100

92 59.4 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#45

1,1,2-Trichloroethane

Concen: 0.768 ug/L

RT: 7.81 min Scan# 2089

Delta R.T. -0.05 min

Lab File: VV018429.D

Acq: 24 Sep 2020 15:14

Tgt Ion: 97 Resp: 2441

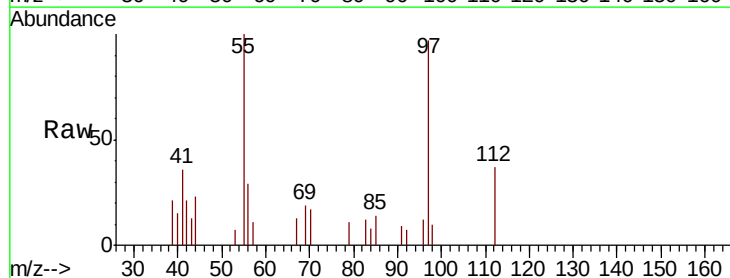
Ion Ratio Lower Upper

97 100

99 0.0 43.7 81.1#

83 12.5 59.9 111.3#

85 14.2 37.6 69.8#

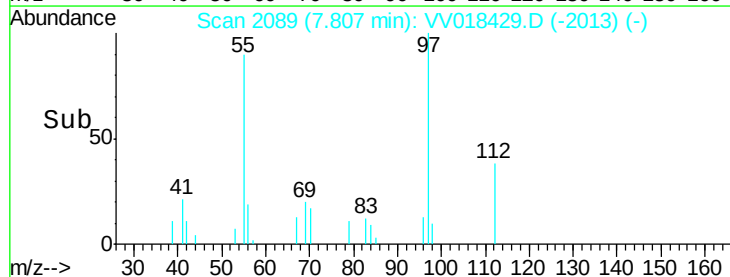
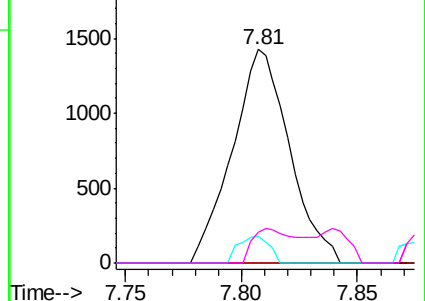


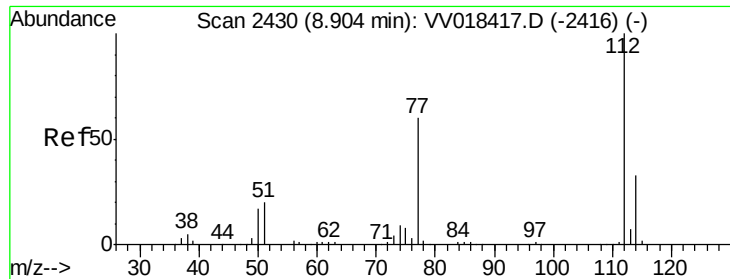
Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

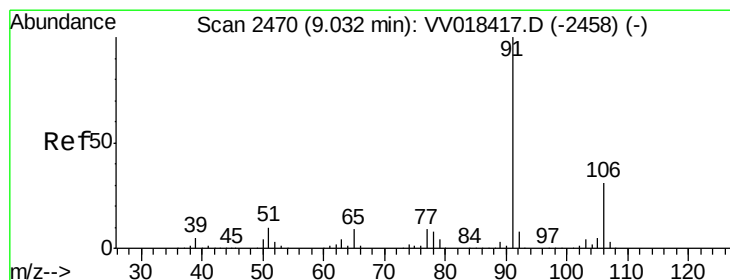
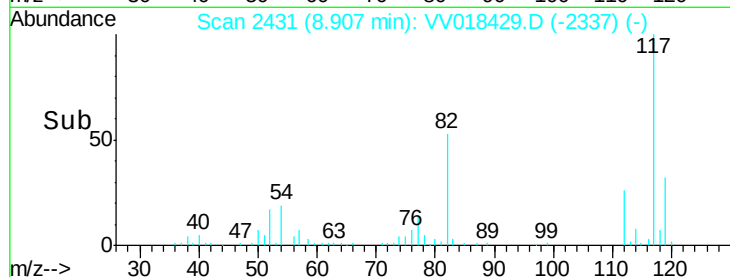
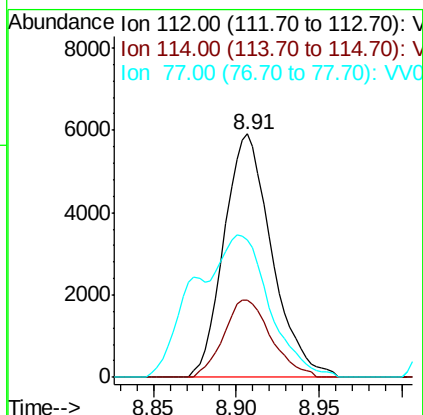
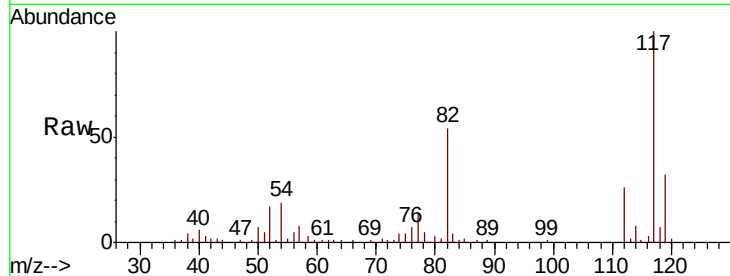




#51
Chlorobenzene
Concen: 1.330 ug/L
RT: 8.91 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VV018429.D
Acq: 24 Sep 2020 15:14

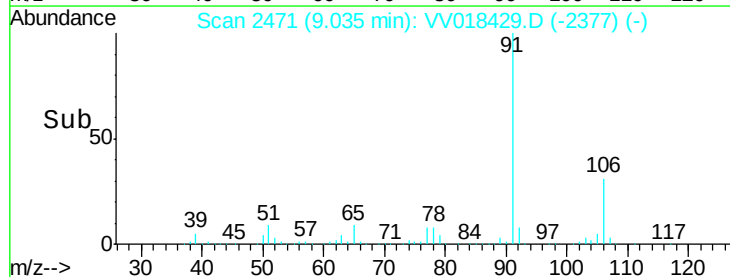
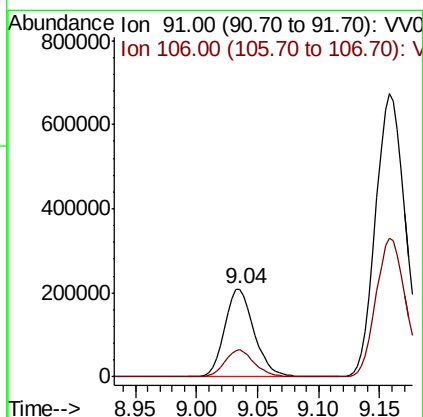
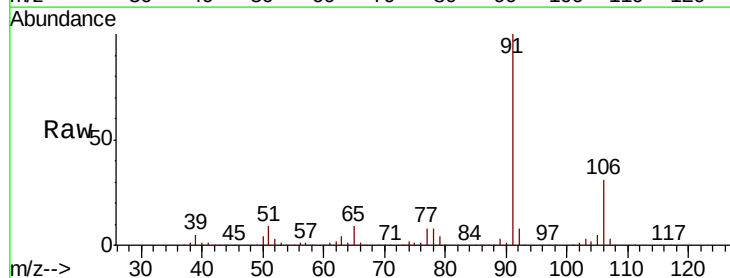
Instrument :
MSVOA_V
ClientSampleId :
BG3W9ME

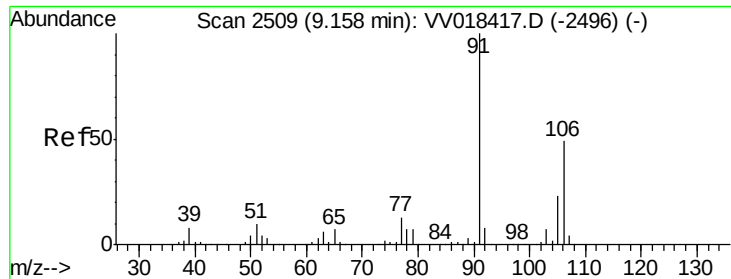
Tot Ion:112 Resp: 11825
Ion Ratio Lower Upper
112 100
114 31.5 22.6 42.0
77 56.3 48.0 72.0



#52
Ethylbenzene
Concen: 23.698 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV018429.D
Acq: 24 Sep 2020 15:14

Tgt Ion: 91 Resp: 354274
Ion Ratio Lower Upper
91 100
106 30.8 21.3 39.5





#53

m,p-Xylene

Concen: 100.495 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018429.D

Acq: 24 Sep 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

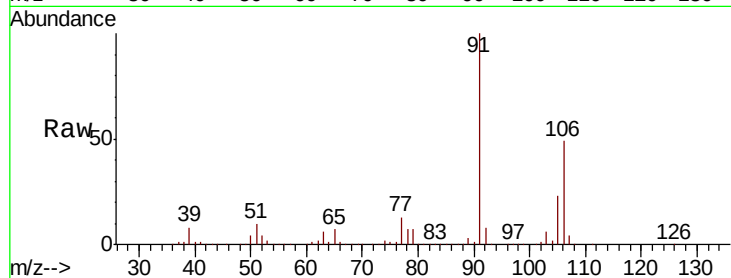
BG3W9ME

Tot Ion:106 Resp: 560766

Ion Ratio Lower Upper

106 100

91 203.2 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

800000

600000

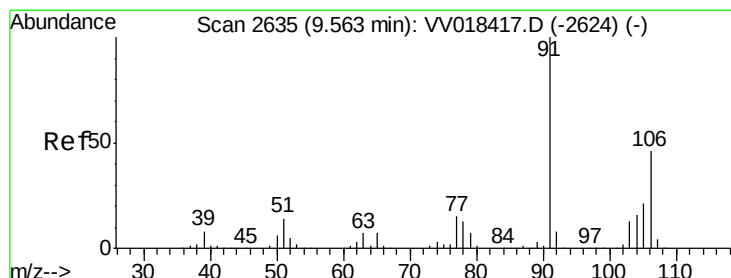
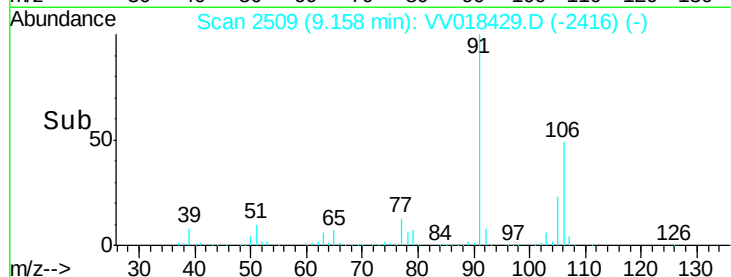
400000

200000

0

9.10 9.20 9.30

Time-->



#54

o-xylene

Concen: 46.880 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018429.D

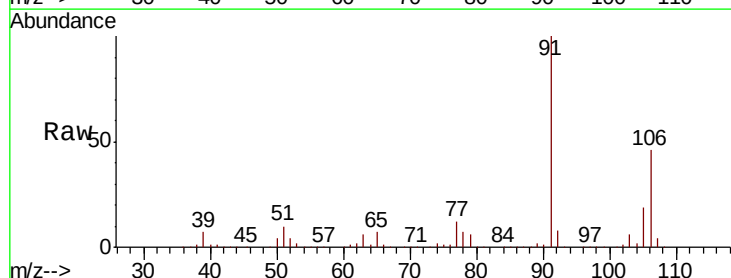
Acq: 24 Sep 2020 15:14

Tgt Ion:106 Resp: 252016

Ion Ratio Lower Upper

106 100

91 217.8 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

300000

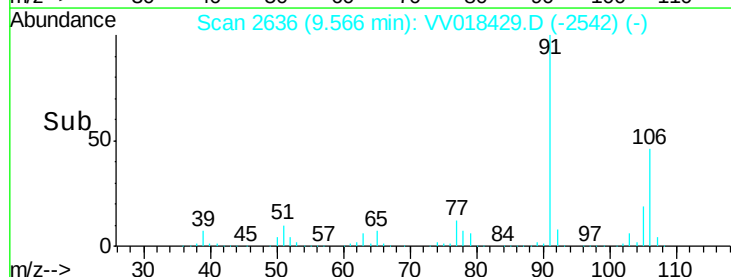
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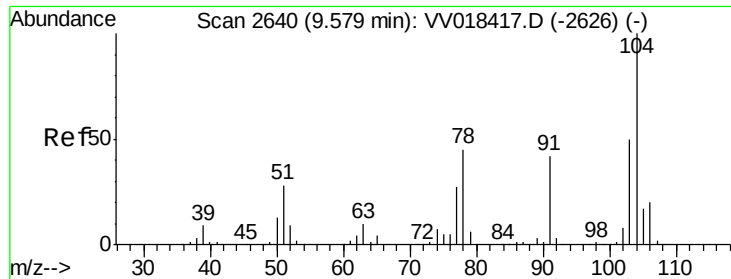
100000

0

9.50 9.55 9.60 9.65

Time-->





#55

Stvrene

Concen: 1.393 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.01 min

Lab File: VV018429.D

Acq: 24 Sep 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

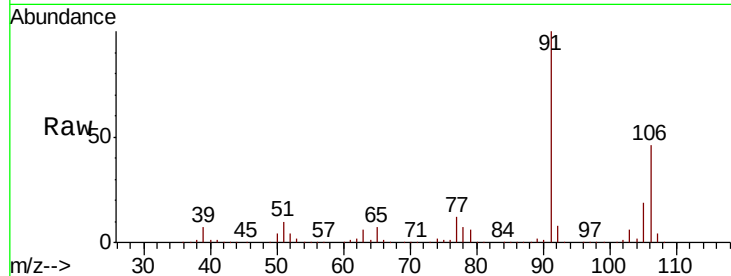
BG3W9ME

Tot Ion:104 Resp: 13013

Ion Ratio Lower Upper

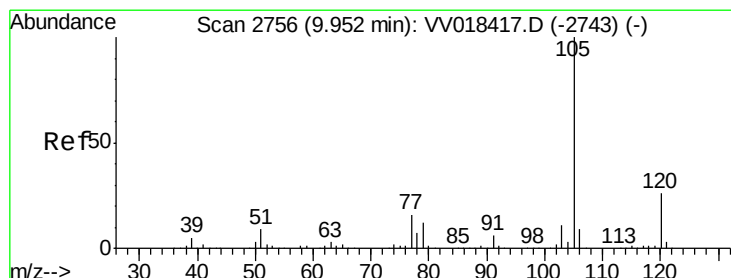
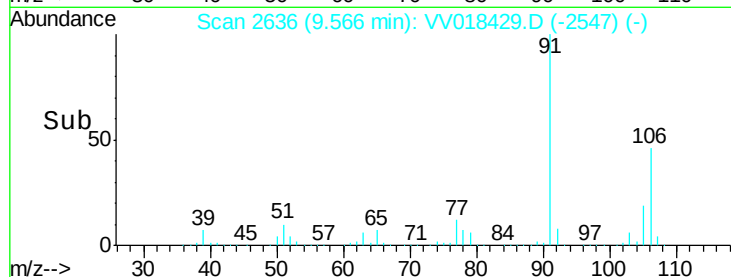
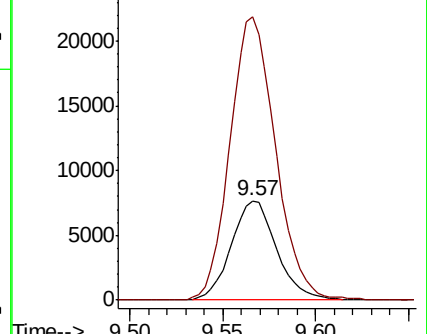
104 100

78 284.3 31.4 58.2#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#56

Isopropylbenzene

Concen: 17.071 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV018429.D

Acq: 24 Sep 2020 15:14

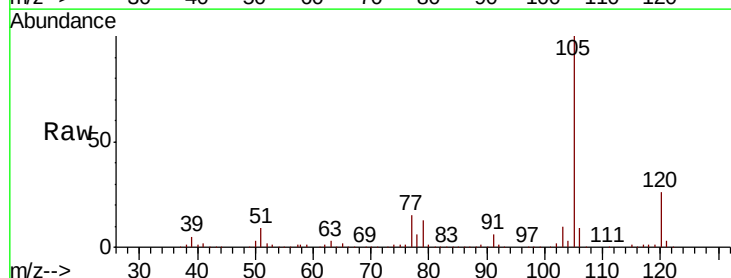
Tgt Ion:105 Resp: 247322

Ion Ratio Lower Upper

105 100

120 26.1 20.9 31.3

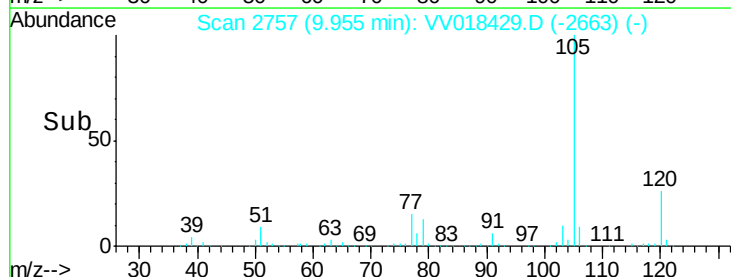
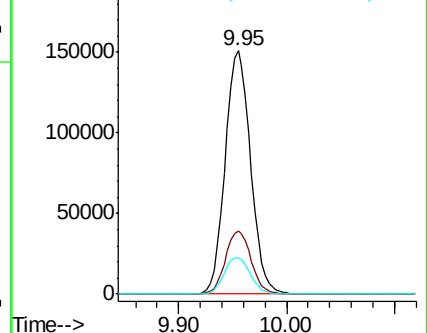
77 15.7 12.5 18.7

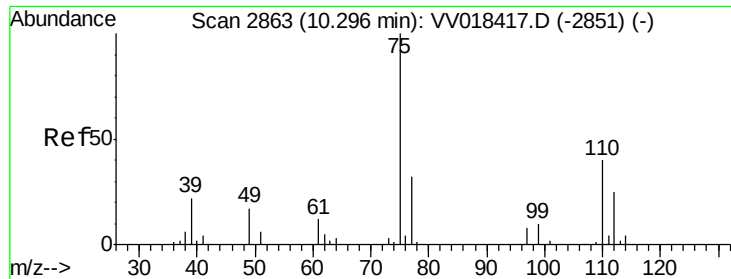


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0

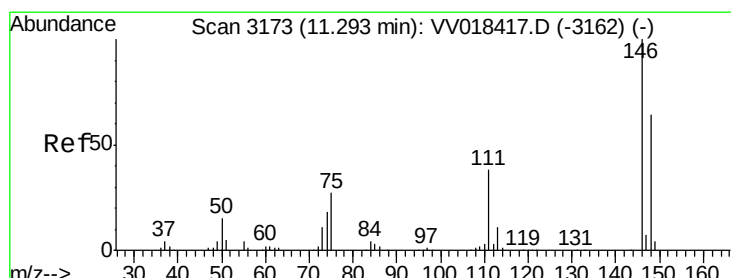
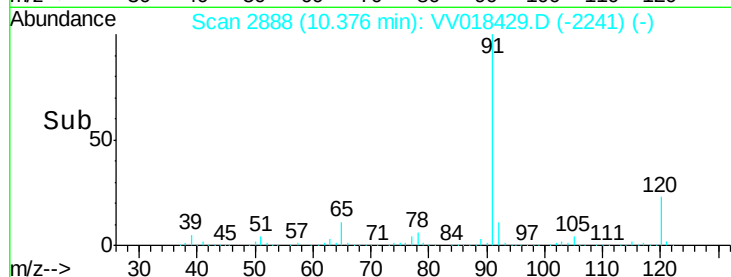
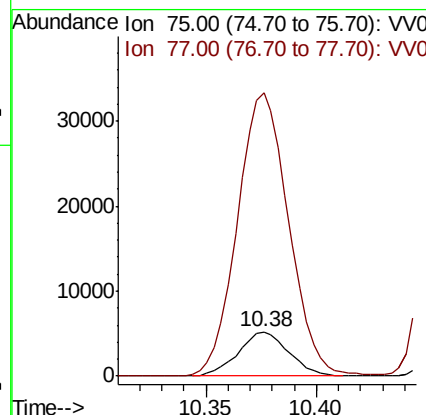
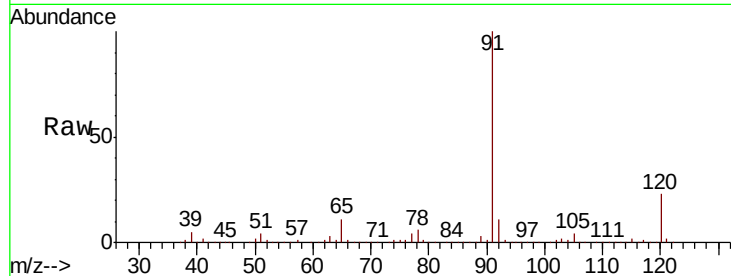




#59
 1,2,3-Trichloropropane
 Concen: 2.038 ug/L
 RT: 10.38 min Scan# 2888
 Delta R.T. 0.08 min
 Lab File: VV018429.D
 Acq: 24 Sep 2020 15:14

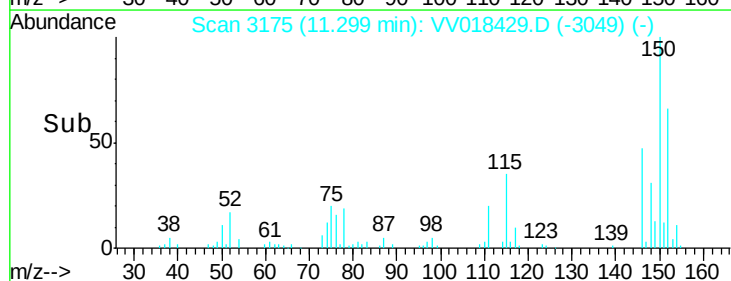
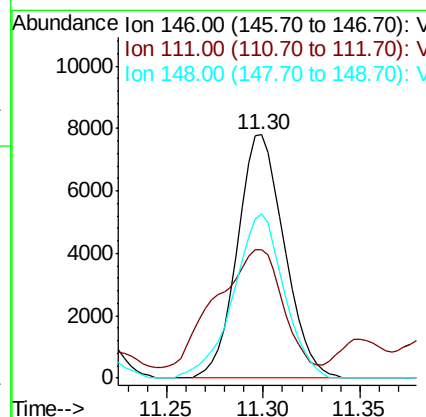
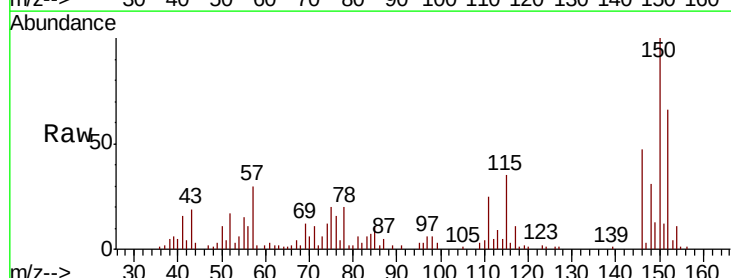
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3W9ME

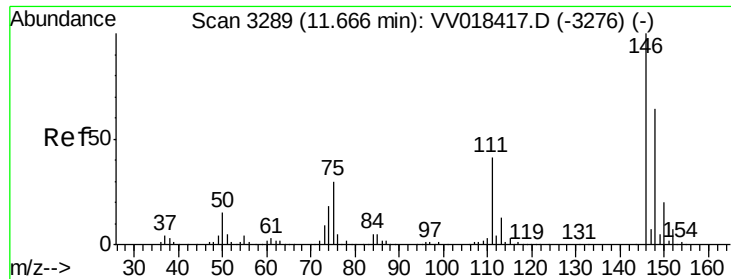
Tot Ion: 75 Resp: 8220
 Ion Ratio Lower Upper
 75 100
 77 654.7 25.8 38.6#



#63
 1,4-Dichlorobenzene
 Concen: 1.759 ug/L
 RT: 11.30 min Scan# 3175
 Delta R.T. 0.01 min
 Lab File: VV018429.D
 Acq: 24 Sep 2020 15:14

Tgt Ion: 146 Resp: 13172
 Ion Ratio Lower Upper
 146 100
 111 52.9 27.1 50.3#
 148 67.5 45.4 84.2

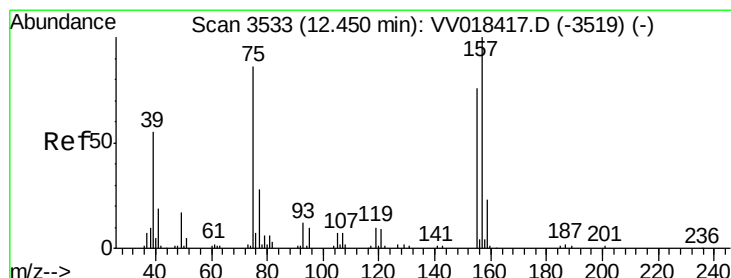
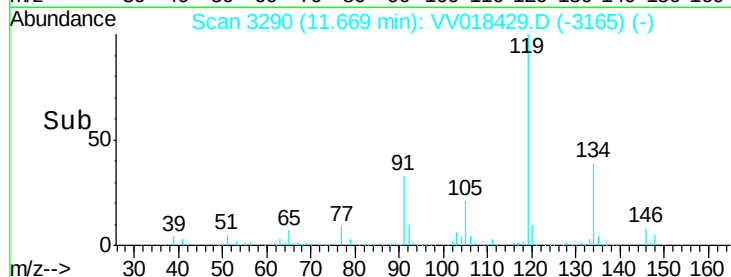
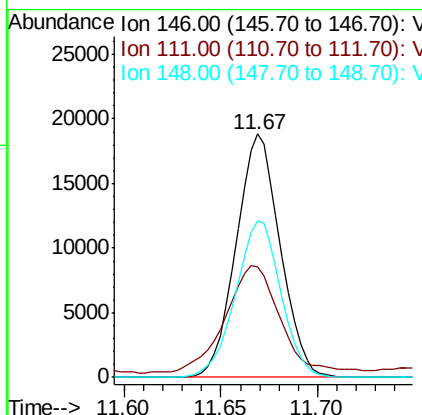
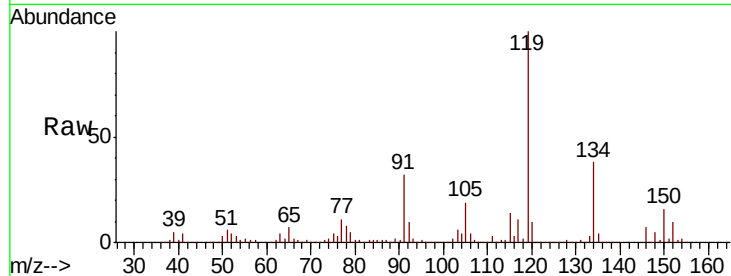




#65
 1,2-Dichlorobenzene
 Concen: 4.040 ug/L
 RT: 11.67 min Scan# 3290
 Delta R.T. 0.00 min
 Lab File: VV018429.D
 Acq: 24 Sep 2020 15:14

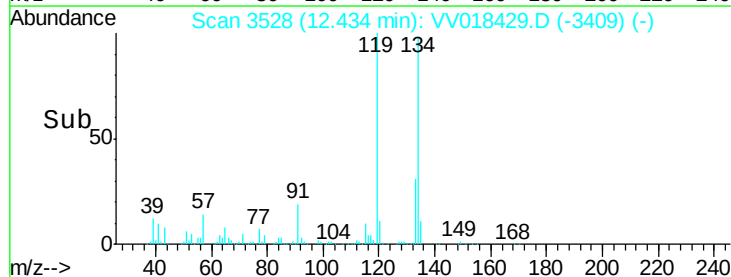
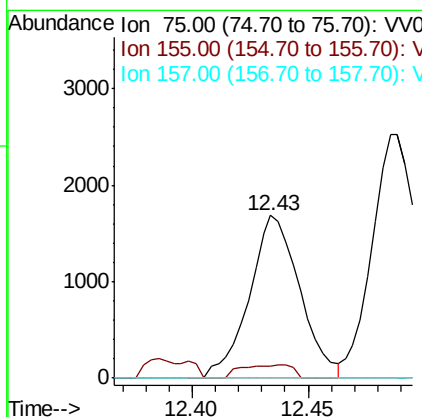
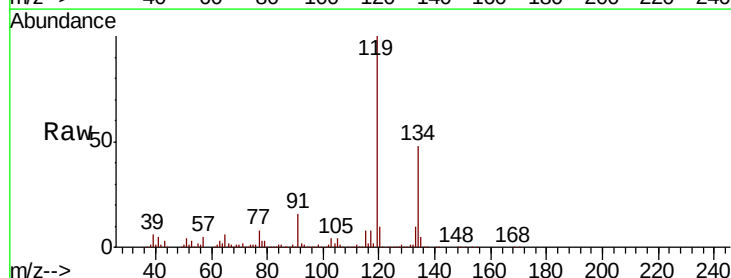
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3W9ME

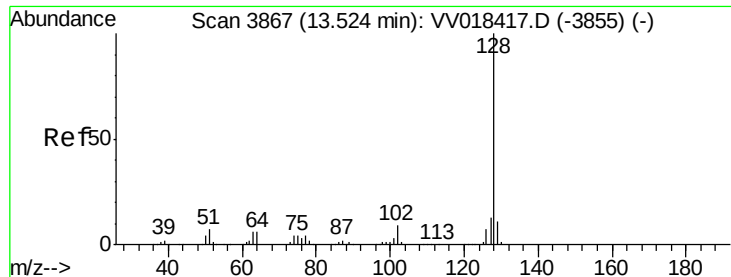
Tot Ion:146 Resp: 29754
 Ion Ratio Lower Upper
 146 100
 111 45.5 32.8 49.2
 148 64.5 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.452 ug/L
 RT: 12.43 min Scan# 3528
 Delta R.T. -0.02 min
 Lab File: VV018429.D
 Acq: 24 Sep 2020 15:14

Tgt Ion: 75 Resp: 2548
 Ion Ratio Lower Upper
 75 100
 155 7.0 69.7 104.5#
 157 0.0 88.2 132.4#





#69

Naphthalene

Concen: 46.471 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018429.D

Acq: 24 Sep 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

BG3W9ME

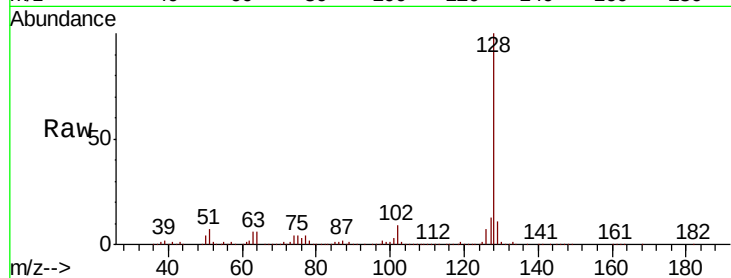
Tot Ion:128 Resp: 601431

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

129 11.1 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

