

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV083019\
 Data File : VV012484.D
 Acq On : 31 Aug 2019 07:20
 Operator : SY/MD
 Sample : K4607-09
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 31 12:30:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 31 12:27:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	321221	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	297877	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	134492	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	75094	2.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	52.40%
7) Chloroethane-d5	1.59	69	55126	2.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	53.20%#
11) 1,1-Dichloroethene-d2	2.14	63	120072	2.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.20%#
20) 2-Butanone-d5	4.03	46	160503	27.51	ug/L	0.07
Spiked Amount	50.000	Range	40 - 130	Recovery	=	55.02%
24) Chloroform-d	4.40	84	132355	2.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	53.80%#
26) 1,2-Dichloroethane-d4	5.08	65	72800	3.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	61.00%#
32) Benzene-d6	5.08	84	255171	2.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	57.40%#
36) 1,2-Dichloropropane-d6	6.12	67	97486	3.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	69.00%
41) Toluene-d8	7.37	98	263285	3.28	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.60%#
43) trans-1,3-Dichloropropene-	7.69	79	31413	3.15	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	=	63.00%
46) 2-Hexanone-d5	8.16	63	147282	37.55	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	75.10%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	62333	3.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	62.20%#
64) 1,2-Dichlorobenzene-d4	11.67	152	106796	4.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.60%

Target Compounds

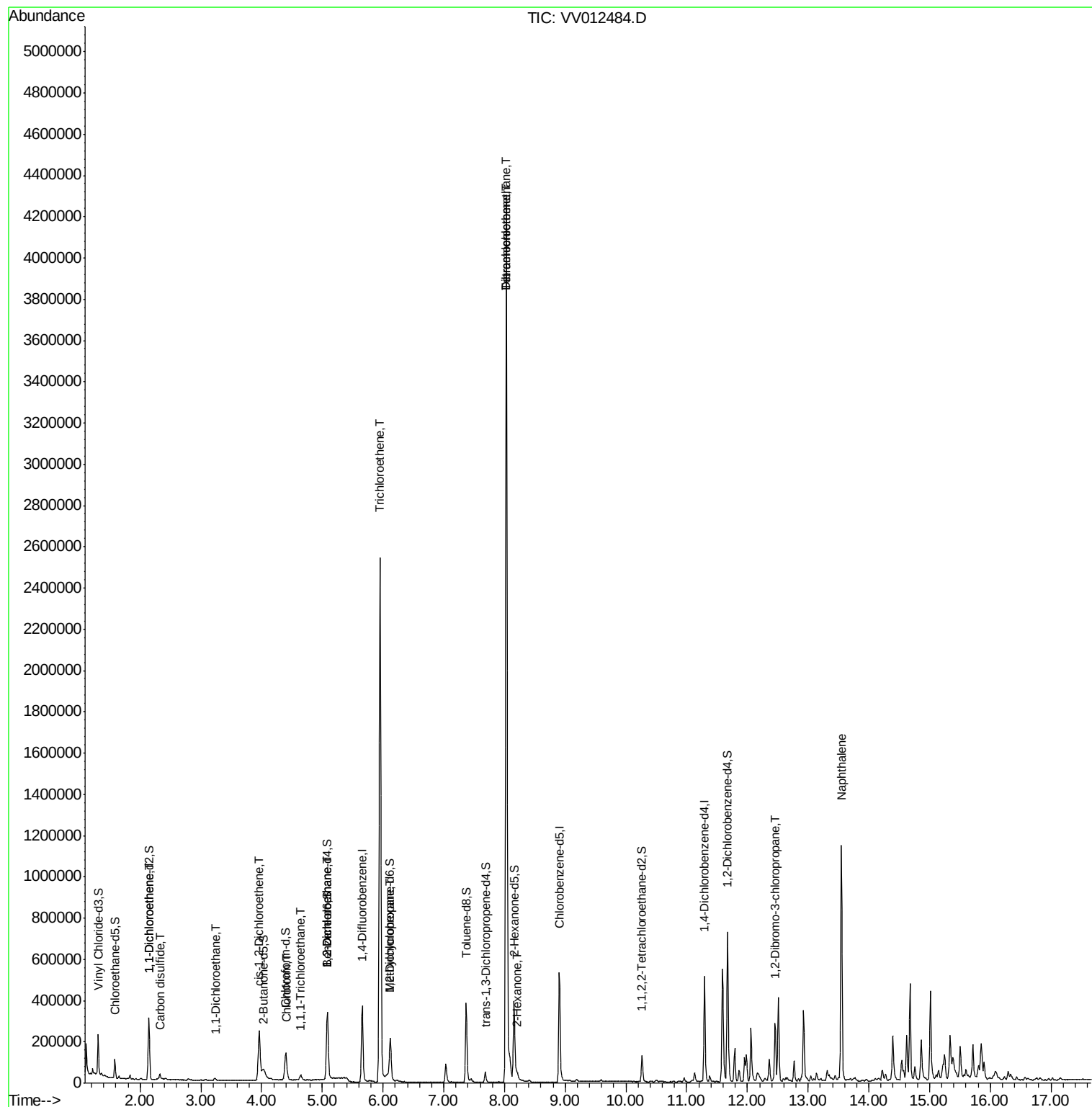
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.15	96	54761	2.249	ug/L #	86
14) Carbon disulfide	2.33	76	27352	0.368	ug/L	96
19) 1,1-Dichloroethane	3.24	63	8576	0.141	ug/L #	94
22) cis-1,2-Dichloroethene	3.96	96	129883	3.979	ug/L #	97
25) Chloroform	4.43	83	10997	0.172	ug/L	98
27) 1,2-Dichloroethane	5.08	62	1674	0.047	ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	17638	0.366	ug/L	96
34) Trichloroethene	5.95	95	892392	28.404	ug/L	99
35) Methylcyclohexane	6.12	83	22584	0.472	ug/L #	16
47) Tetrachloroethene	8.03	164	1009159	40.124	ug/L	99
48) 2-Hexanone	8.21	43	14287	1.151	ug/L #	91
49) Dibromochloromethane	8.03	129	918268	37.384	ug/L #	11
66) 1,2-Dibromo-3-chloropropan	12.46	75	1185	0.332	ug/L #	1
69) Naphthalene	13.55	128	864404	19.402	ug/L	99

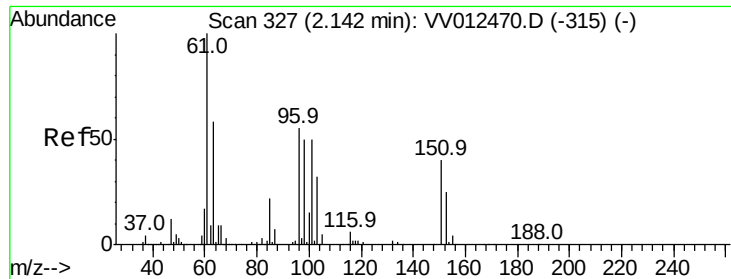
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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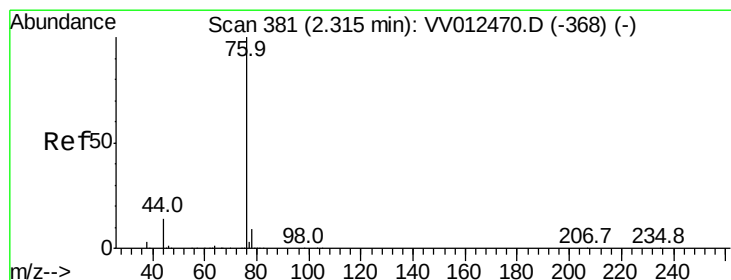
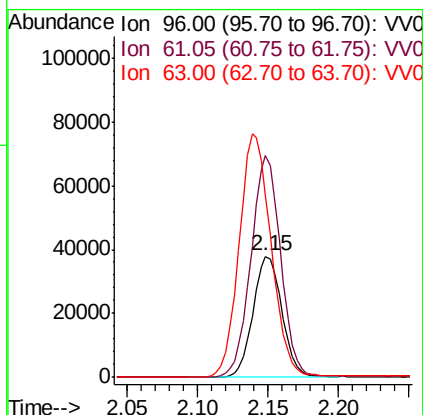
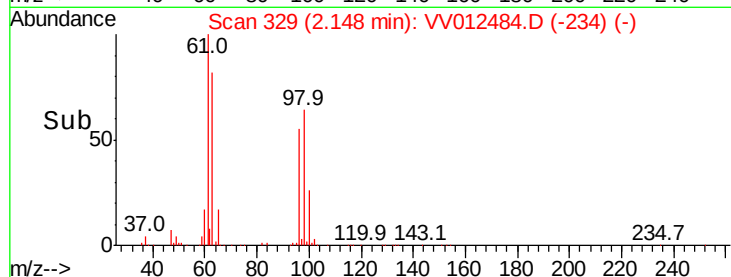
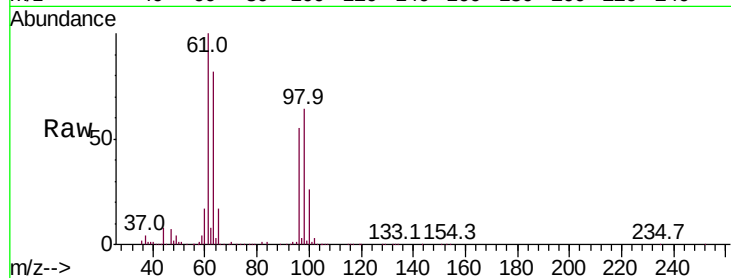




#12
 1,1-Dichloroethene
 Concen: 2.249 ug/L
 RT: 2.15 min Scan# 329
 Delta R.T. 0.01 min
 Lab File: VV012484.D
 Acq: 31 Aug 2019 07:20

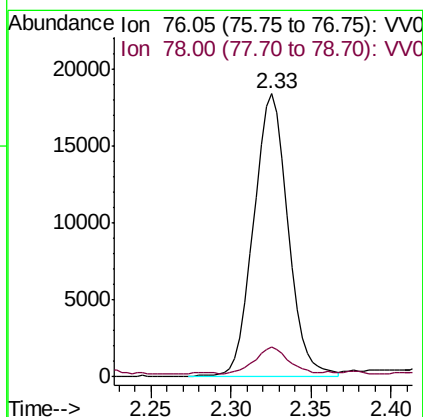
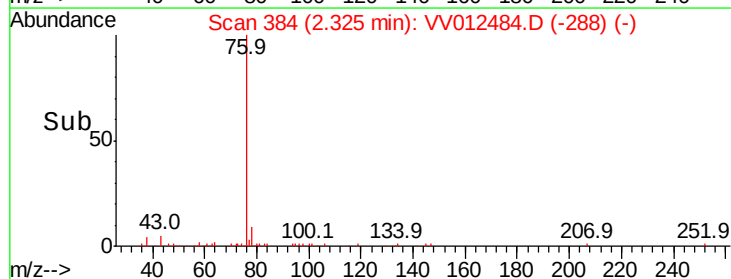
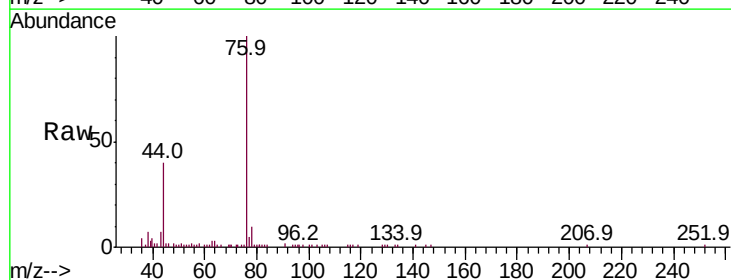
Instrument :
 MSVOA_V
 ClientSampleId :

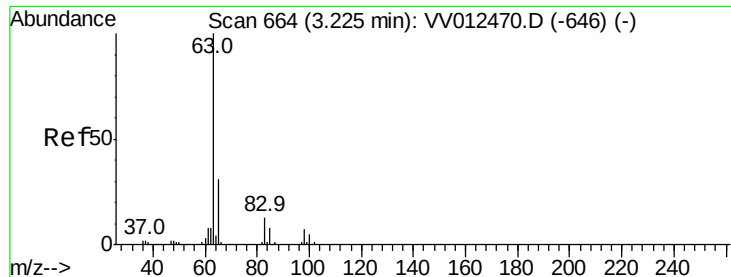
Tot Ion: 96 Resp: 54761
 Ion Ratio Lower Upper
 96 100
 61 183.0 127.8 237.4
 63 150.1 78.2 145.2#



#14
 Carbon disulfide
 Concen: 0.368 ug/L
 RT: 2.33 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VV012484.D
 Acq: 31 Aug 2019 07:20

Tgt Ion: 76 Resp: 27352
 Ion Ratio Lower Upper
 76 100
 78 10.4 7.2 10.8





#19

1,1-Dichloroethane

Concen: 0.141 ug/L

RT: 3.24 min Scan# 667

Delta R.T. 0.01 min

Lab File: VV012484.D

Acq: 31 Aug 2019 07:20

Instrument :

MSVOA_V

ClientSampleId :

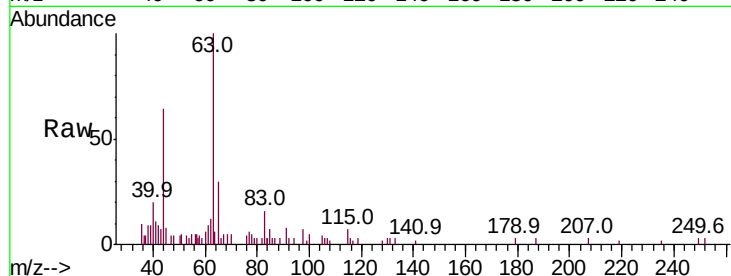
Tot Ion: 63 Resp: 8576

Ion Ratio Lower Upper

63 100

65 30.0 21.6 40.2

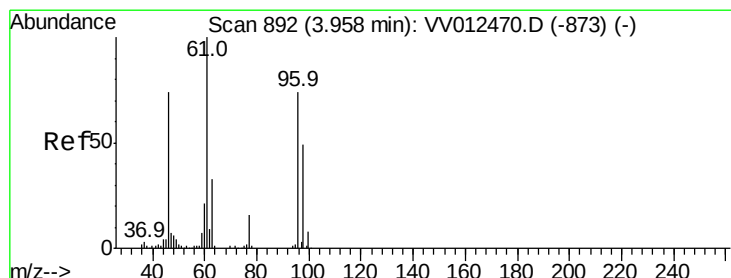
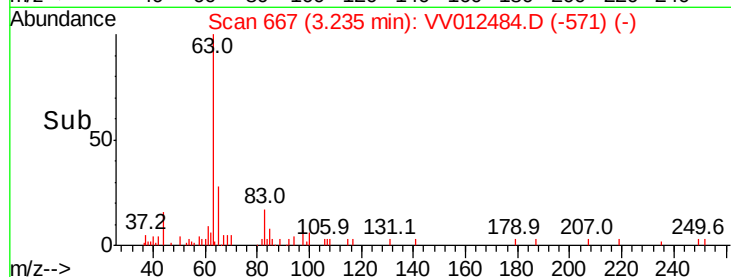
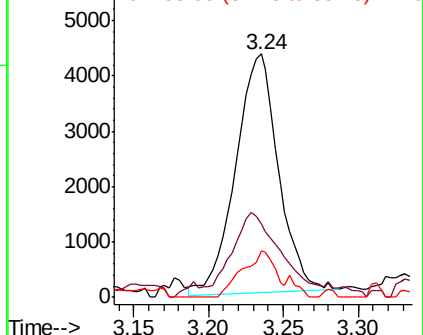
83 18.9 9.0 16.8#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#22

cis-1,2-Dichloroethene

Concen: 3.979 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV012484.D

Acq: 31 Aug 2019 07:20

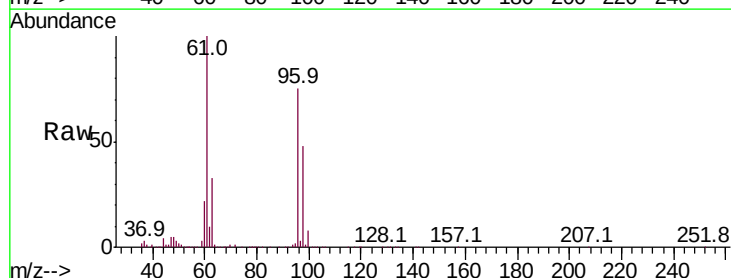
Tgt Ion: 96 Resp: 129883

Ion Ratio Lower Upper

96 100

61 133.9 91.5 169.9

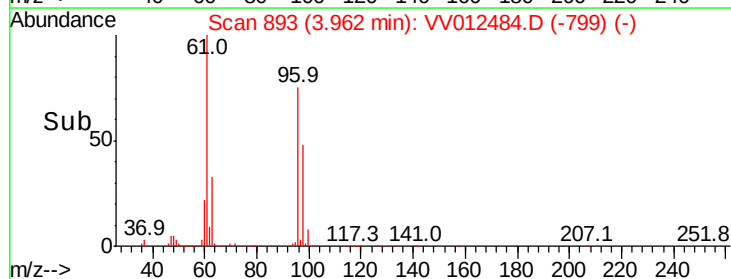
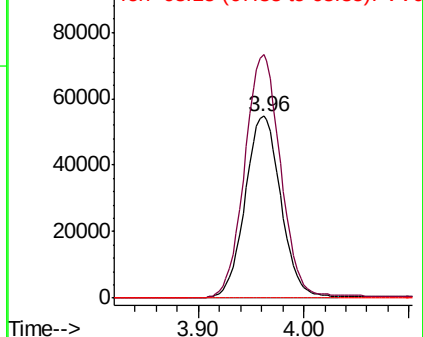
68 0.3 0.0 0.0#

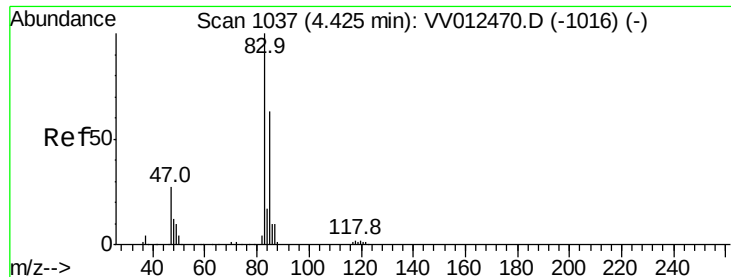


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#25

Chloroform

Concen: 0.172 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV012484.D

Acq: 31 Aug 2019 07:20

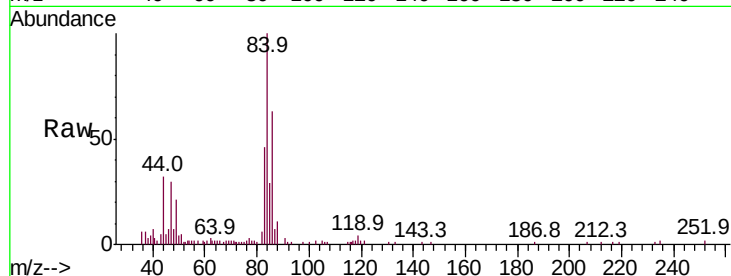
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 10997

Ion Ratio Lower Upper

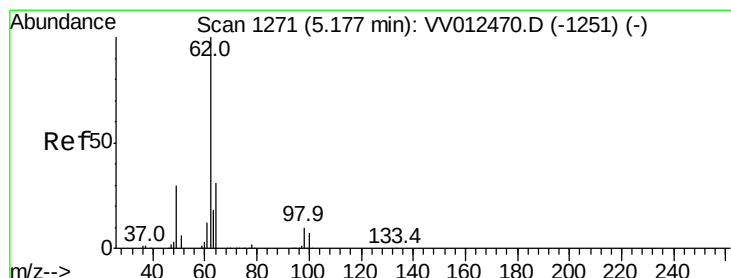
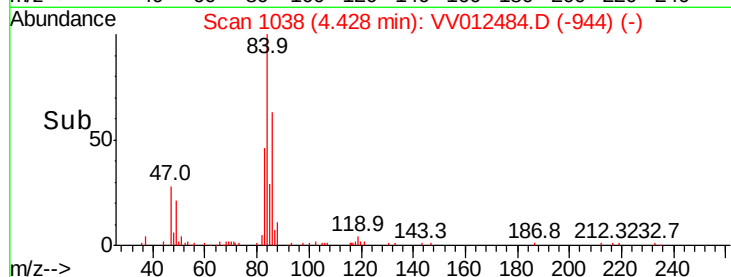
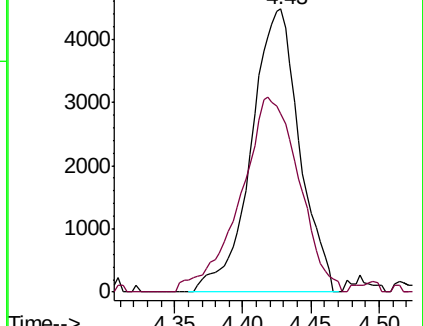
83 100

85 63.1 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VV012470.D (-1016) (-)

Ion 85.00 (84.70 to 85.70): VV012470.D (-1016) (-)



#27

1,2-Dichloroethane

Concen: 0.047 ug/L

RT: 5.08 min Scan# 1242

Delta R.T. -0.09 min

Lab File: VV012484.D

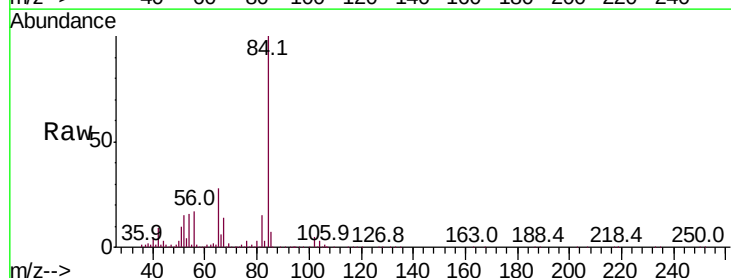
Acq: 31 Aug 2019 07:20

Tgt Ion: 62 Resp: 1674

Ion Ratio Lower Upper

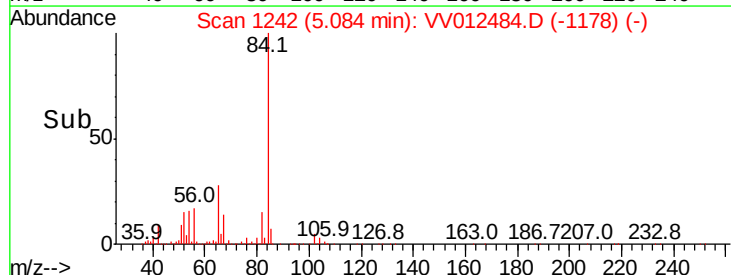
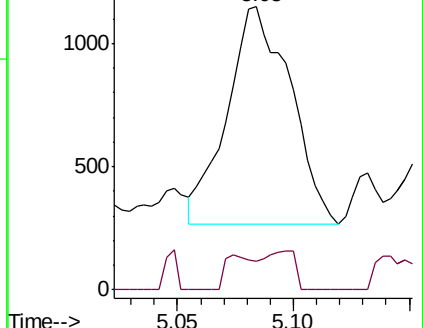
62 100

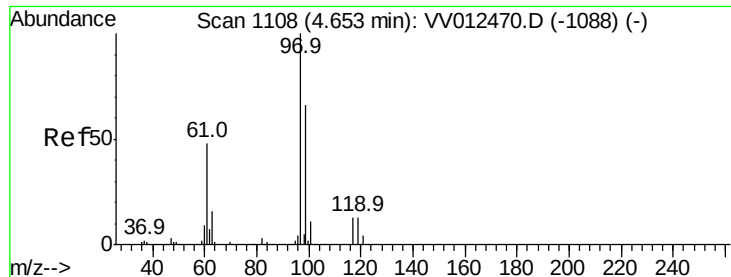
98 10.3 8.3 12.5



Abundance Ion 62.00 (61.70 to 62.70): VV012470.D (-1251) (-)

Ion 98.05 (97.75 to 98.75): VV012470.D (-1251) (-)

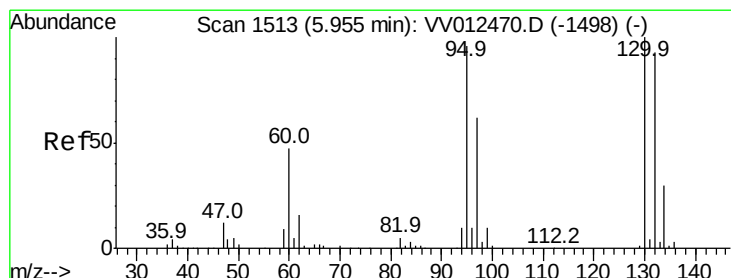
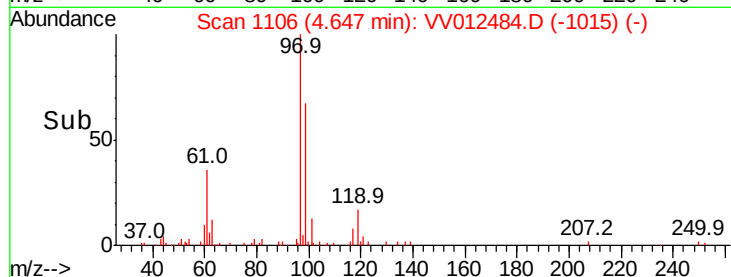
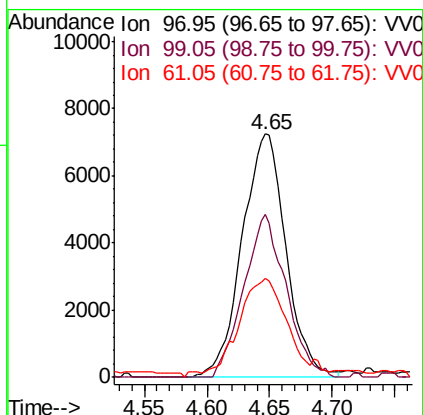
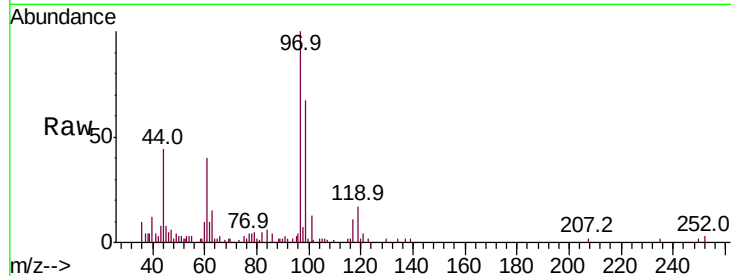




#29
 1,1,1-Trichloroethane
 Concen: 0.366 ug/L
 RT: 4.65 min Scan# 1106
 Delta R.T. -0.01 min
 Lab File: VV012484.D
 Acq: 31 Aug 2019 07:20

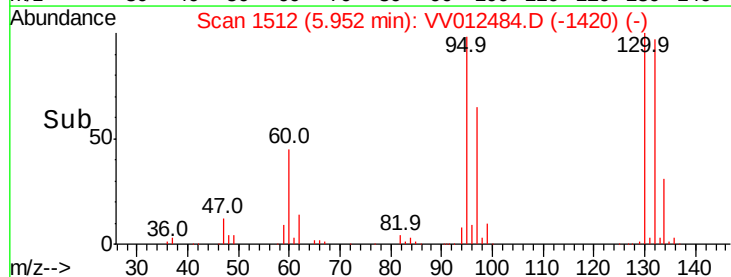
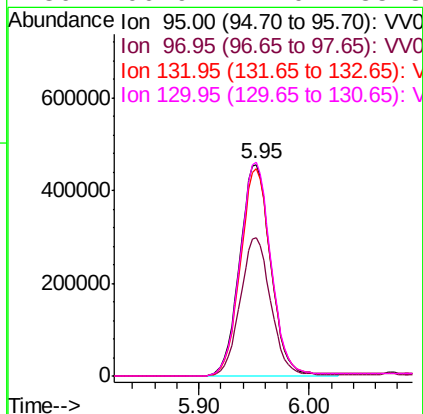
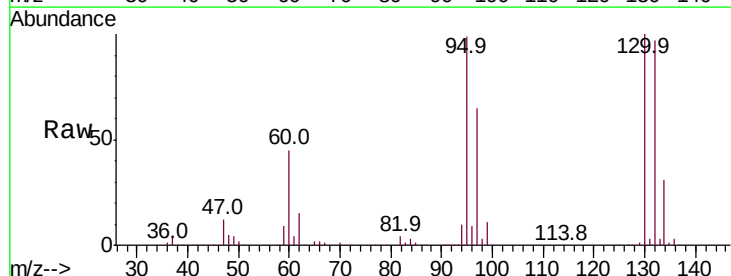
Instrument :
 MSVOA_V
 ClientSampleId :

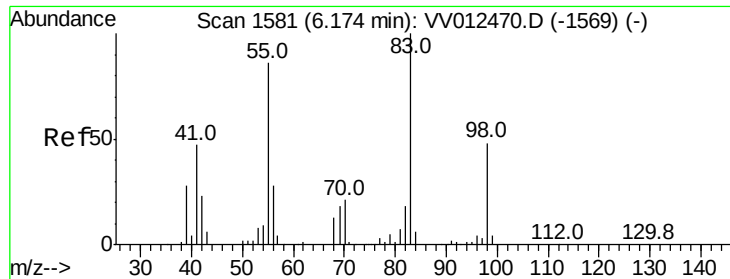
Tot Ion: 97 Resp: 17638
 Ion Ratio Lower Upper
 97 100
 99 64.6 49.8 74.6
 61 42.1 36.7 55.1



#34
 Trichloroethene
 Concen: 28.404 ug/L
 RT: 5.95 min Scan# 1512
 Delta R.T. -0.00 min
 Lab File: VV012484.D
 Acq: 31 Aug 2019 07:20

Tgt Ion: 95 Resp: 892392
 Ion Ratio Lower Upper
 95 100
 97 65.3 45.8 85.2
 132 98.1 68.3 126.9
 130 100.9 72.0 133.8

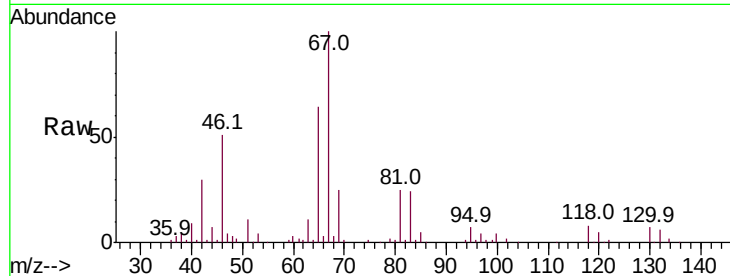




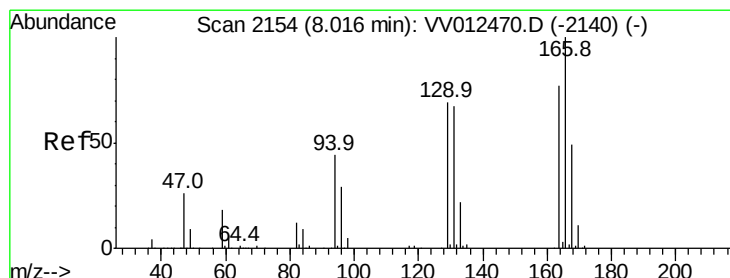
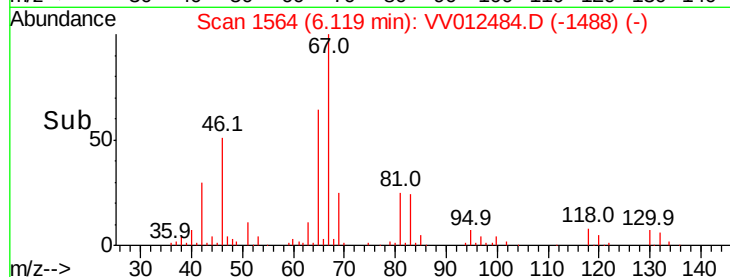
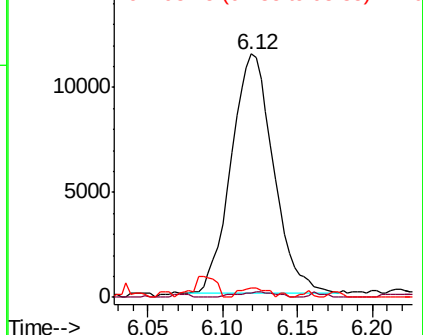
#35
Methvlcvclohexane
Concen: 0.472 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV012484.D
Acq: 31 Aug 2019 07:20

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 22584
Ion Ratio Lower Upper
83 100
55 2.0 67.8 101.6#
98 0.0 39.2 58.8#

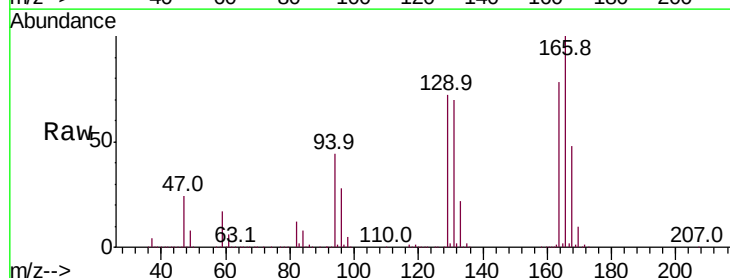


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

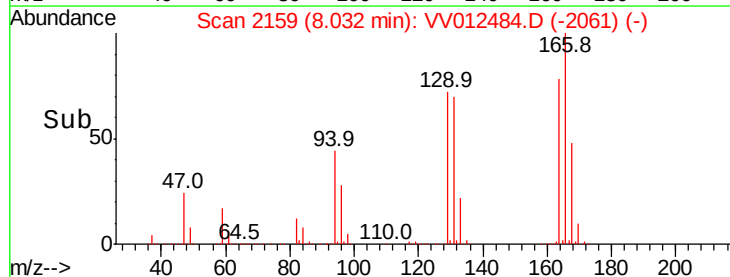
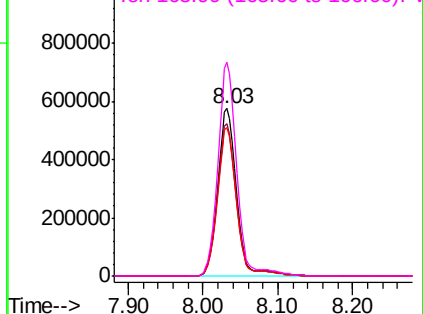


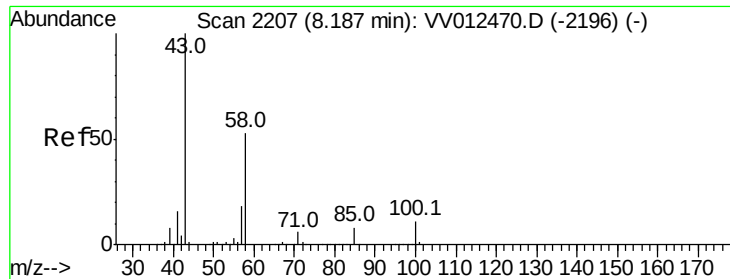
#47
Tetrachloroethene
Concen: 40.124 ug/L
RT: 8.03 min Scan# 2159
Delta R.T. 0.02 min
Lab File: VV012484.D
Acq: 31 Aug 2019 07:20

Tgt Ion:164 Resp: 1009159
Ion Ratio Lower Upper
164 100
129 91.4 65.6 121.8
131 88.9 63.3 117.5
166 127.7 89.4 166.0



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

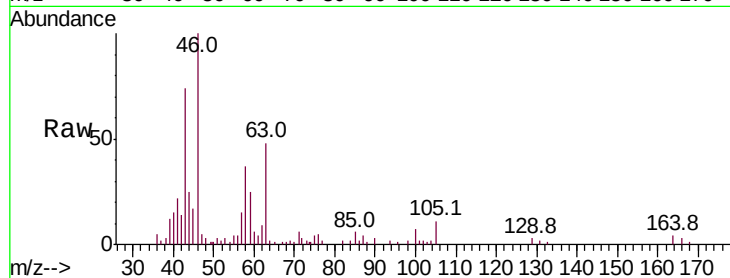




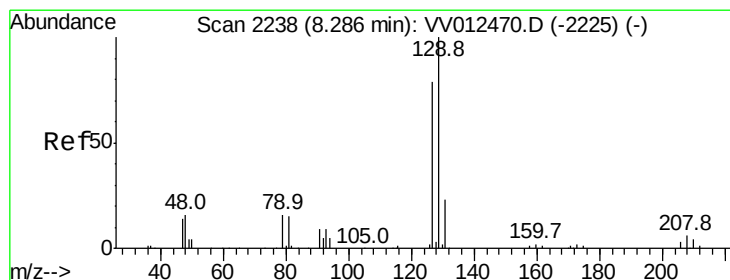
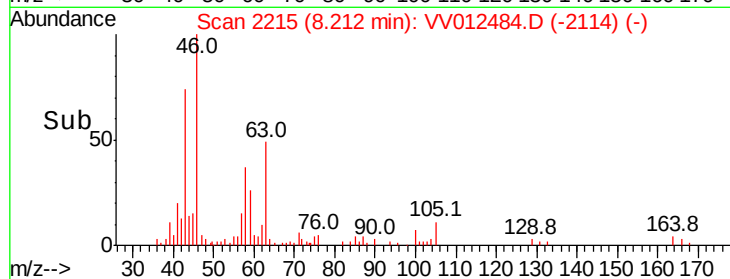
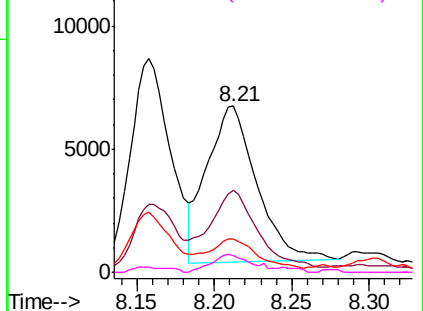
#48
2-Hexanone
Concen: 1.151 ug/L
RT: 8.21 min Scan# 2215
Delta R.T. 0.03 min
Lab File: VV012484.D
Acq: 31 Aug 2019 07:20

Instrument :
MSVOA_V
ClientSampled :

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.1	43.6	65.4
57	21.9	14.2	21.2#
100	8.9	8.9	13.3

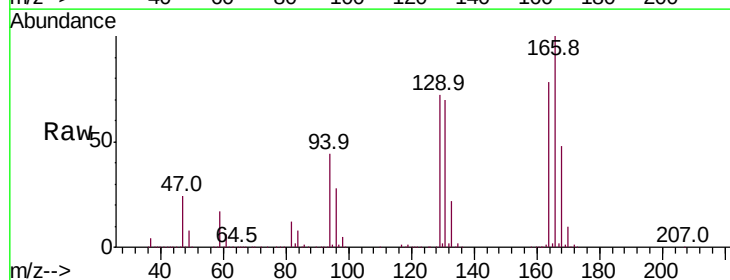


Abundance Ion 43.05 (42.75 to 43.75): VV012470.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV012470.D (-2196) (-)
Ion 57.20 (56.90 to 57.90): VV012470.D (-2196) (-)
Ion 100.15 (99.85 to 100.85): VV012470.D (-2196) (-)

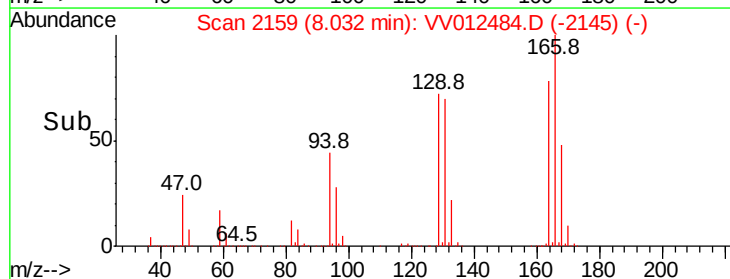
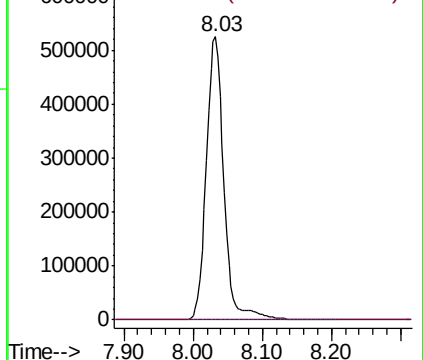


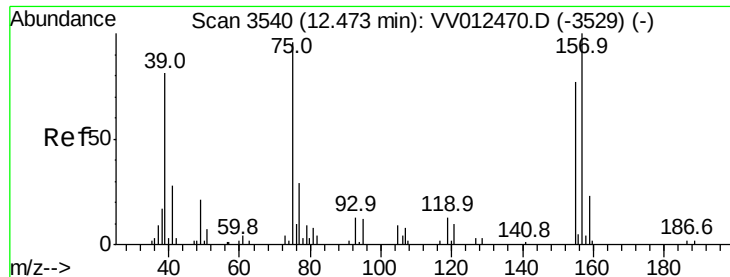
#49
Dibromochloromethane
Concen: 37.384 ug/L
RT: 8.03 min Scan# 2159
Delta R.T. -0.25 min
Lab File: VV012484.D
Acq: 31 Aug 2019 07:20

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.6	99.6#



Abundance Ion 128.95 (128.65 to 129.65): VV012470.D (-2225) (-)
Ion 126.90 (126.60 to 127.60): VV012470.D (-2225) (-)





#66

1,2-Dibromo-3-chloropropane

Concen: 0.332 ug/L

RT: 12.46 min Scan# 3535

Delta R.T. -0.02 min

Lab File: VV012484.D

Acq: 31 Aug 2019 07:20

Instrument :

MSVOA_V

ClientSampled :

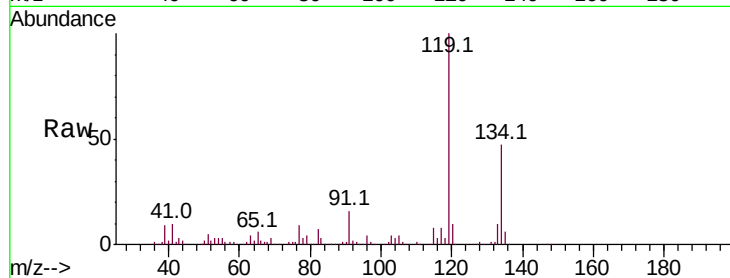
Tot Ion: 75 Resp: 1185

Ion Ratio Lower Upper

75 100

155 0.0 68.6 102.8#

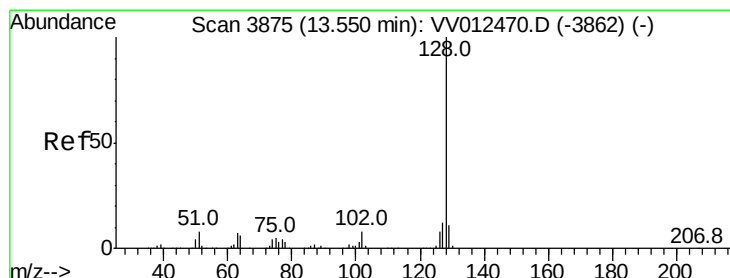
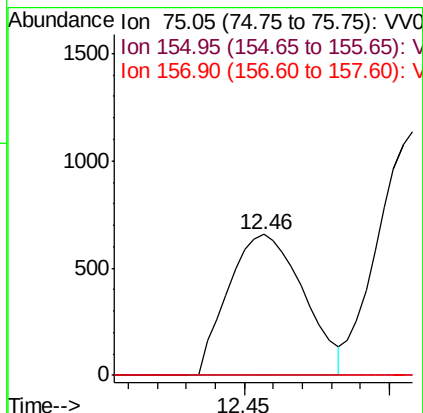
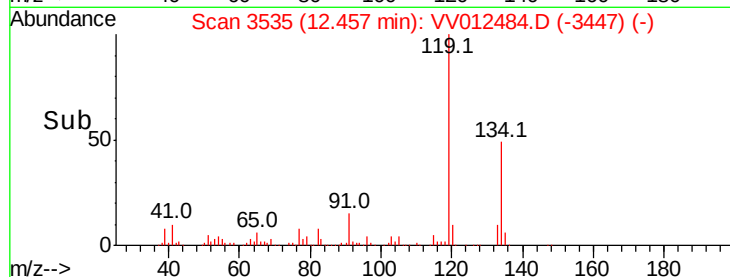
157 0.0 88.6 133.0#



Abundance Ion 75.05 (74.75 to 75.75): VV012484.D (-3447) (-)

Ion 154.95 (154.65 to 155.65): VV012484.D (-3447) (-)

Ion 156.90 (156.60 to 157.60): VV012484.D (-3447) (-)



#69

Naphthalene

Concen: 19.402 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV012484.D

Acq: 31 Aug 2019 07:20

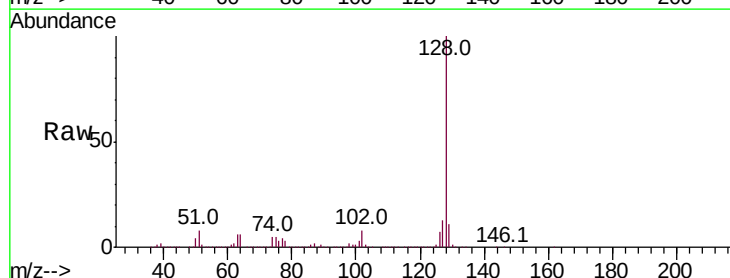
Tgt Ion: 128 Resp: 864404

Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

127 12.7 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): VV012484.D (-3782) (-)

Ion 129.00 (128.70 to 129.70): VV012484.D (-3782) (-)

Ion 127.00 (126.70 to 127.70): VV012484.D (-3782) (-)

