

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082820\
 Data File : VV018135.D
 Acq On : 28 Aug 2020 13:56
 Operator : SY/MD
 Sample : L3800-21
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3J3

Quant Time: Aug 29 00:41:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 29 00:38:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	269748	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	265033	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	128728	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	78692	38.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.46%
7) Chloroethane-d5	1.58	69	73327	43.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.10%
11) 1,1-Dichloroethene-d2	2.12	63	126977	32.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.50%
21) 2-Butanone-d5	3.91	46	122391	90.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.79%
24) Chloroform-d	4.38	84	162862	43.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.94%
26) 1,2-Dichloroethane-d4	5.06	65	112605	46.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.54%
32) Benzene-d6	5.08	84	327169	44.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.58%
36) 1,2-Dichloropropane-d6	6.09	67	109919	46.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.06%
41) Toluene-d8	7.34	98	287408	43.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.50%
43) trans-1,3-Dichloropropene-	7.64	79	50473	46.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.20%
47) 2-Hexanone-d5	8.11	63	66581	86.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.89%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	140023	45.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.06%
64) 1,2-Dichlorobenzene-d4	11.65	152	126319	49.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.72%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	7965	3.323 ug/L #	40
8) Chloroethane	1.32	64	4059	2.653 ug/L	91
12) 1,1-Dichloroethene	2.13	96	6391	3.532 ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	2113	1.136 ug/L	85
18) Methyl tert-butyl Ether	2.79	73	32020	5.205 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	455515	222.856 ug/L	97
25) Chloroform	4.41	83	7140	1.872 ug/L	99
34) Trichloroethene	5.94	95	260890	120.369 ug/L	98
35) Methylcyclohexane	6.09	83	25871	8.027 ug/L #	17
37) 1,2-Dichloropropane	6.09	63	11913	5.327 ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2892	0.912 ug/L #	53
45) 1,1,2-Trichloroethane	8.00	97	2430	1.173 ug/L #	1
46) Tetrachloroethene	8.00	164	303316	190.817 ug/L	98
48) 2-Hexanone	8.11	43	8538	3.622 ug/L #	72
59) 1,2,3-Trichloropropane	11.27	75	15057	5.452 ug/L	92

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QLast Update : Sat Aug 29 00:38:30 2020
Response via : Initial Calibration

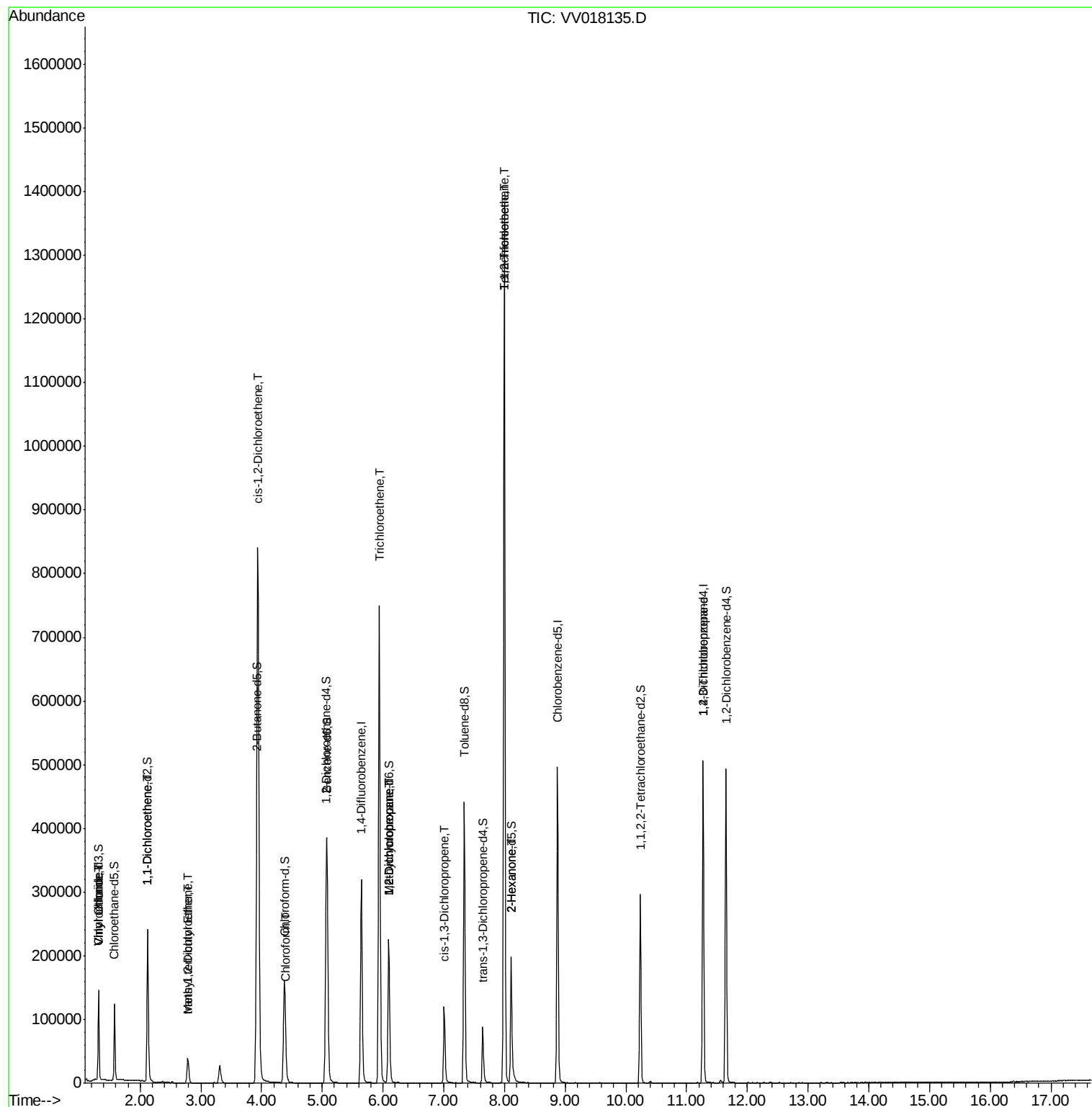
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

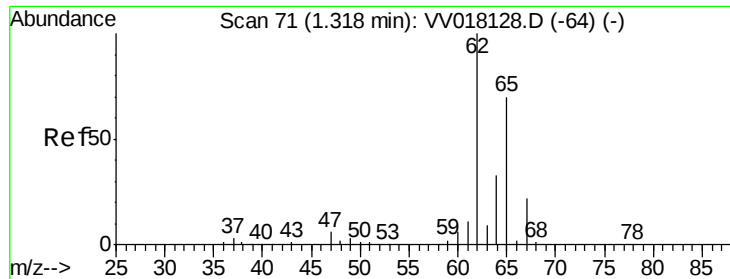
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#5

Vinyl chloride

Concen: 3.323 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018135.D

Acq: 28 Aug 2020 13:56

Instrument :

MSVOA_V

ClientSampleId :

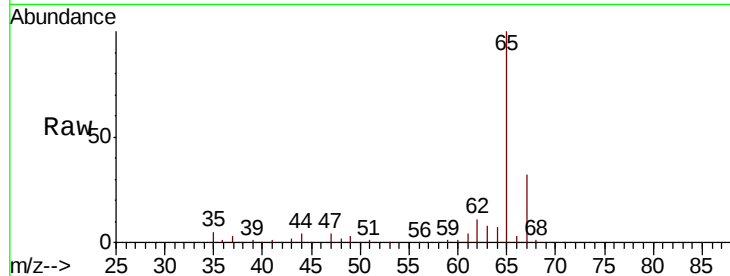
BG3J3

Tot Ion: 62 Resp: 7965

Ion Ratio Lower Upper

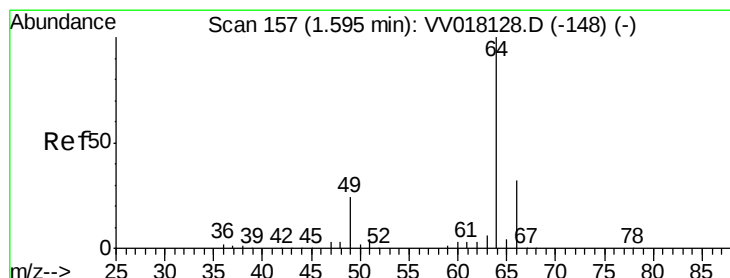
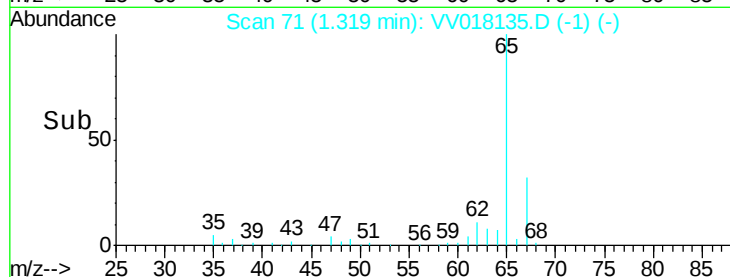
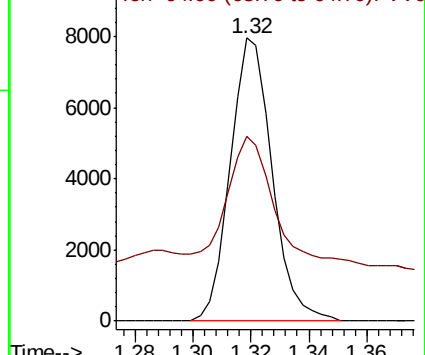
62 100

64 65.4 22.4 41.6#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#8

Chloroethane

Concen: 2.653 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV018135.D

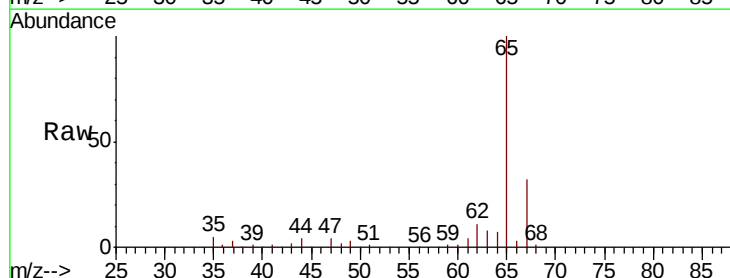
Acq: 28 Aug 2020 13:56

Tgt Ion: 64 Resp: 4059

Ion Ratio Lower Upper

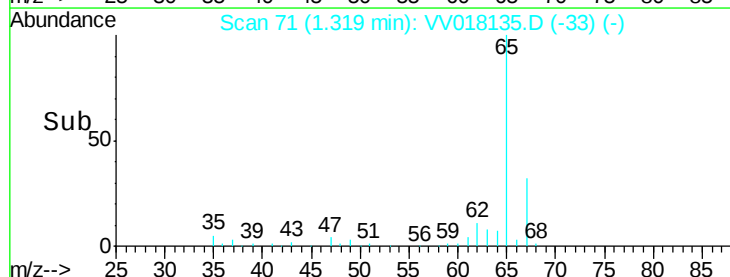
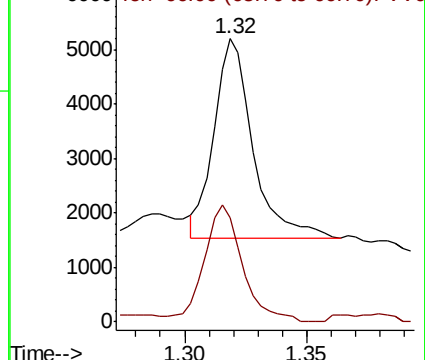
64 100

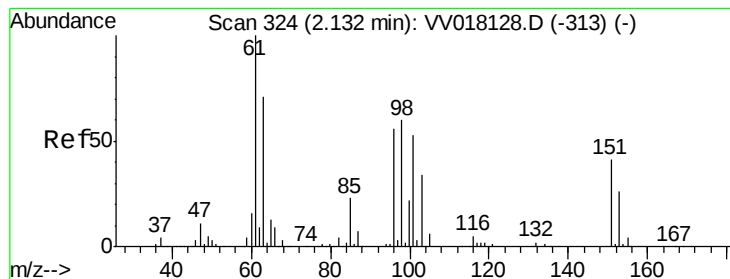
66 36.8 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0





#12

1,1-Dichloroethene

Concen: 3.532 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018135.D

Acq: 28 Aug 2020 13:56

Instrument :

MSVOA_V

ClientSampleId :

BG3J3

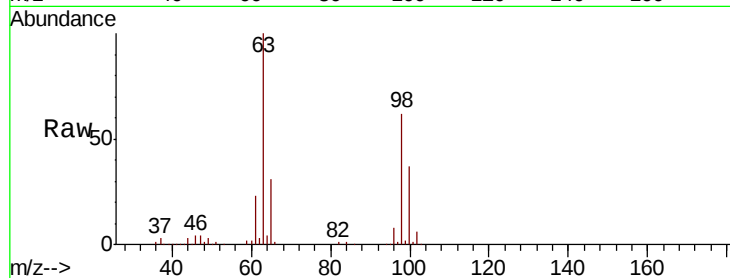
Tot Ion: 96 Resp: 6391

Ion Ratio Lower Upper

96 100

61 299.0 127.1 236.0#

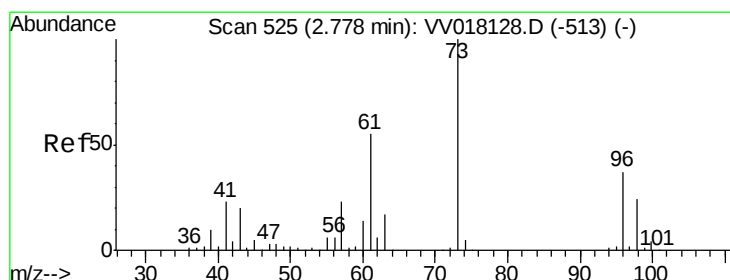
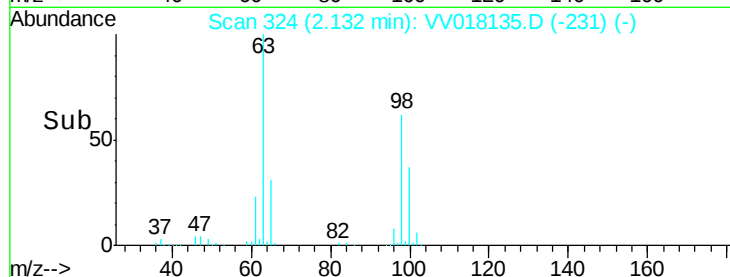
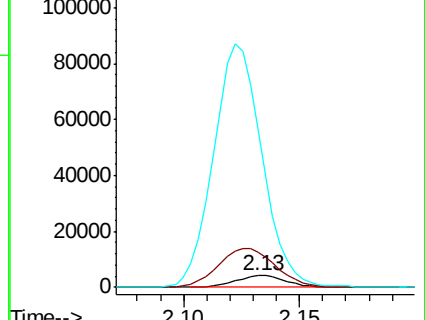
63 1323.9 95.2 176.8#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



#17

trans-1,2-Dichloroethene

Concen: 1.136 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV018135.D

Acq: 28 Aug 2020 13:56

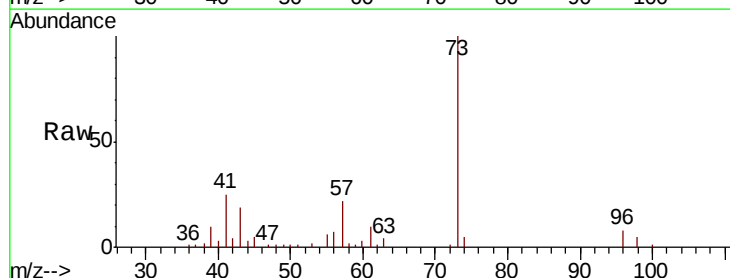
Tgt Ion: 96 Resp: 2113

Ion Ratio Lower Upper

96 100

61 125.1 102.4 190.2

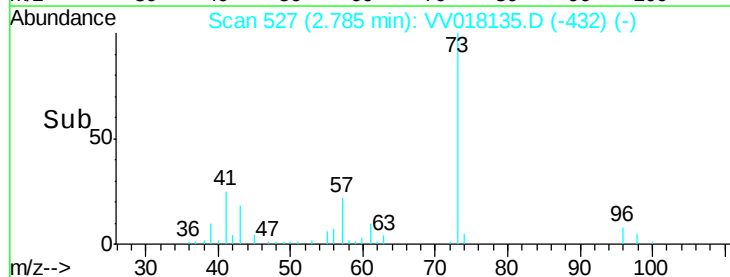
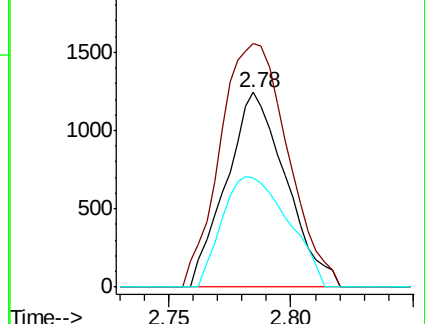
98 56.2 44.4 82.5

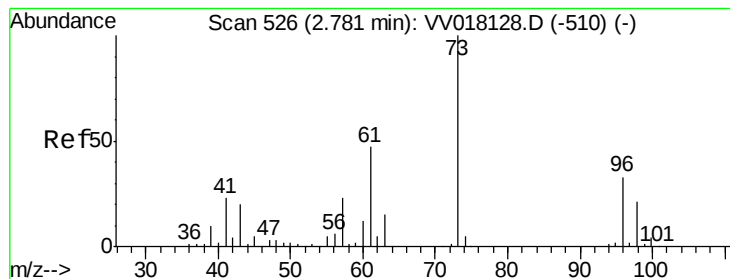


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



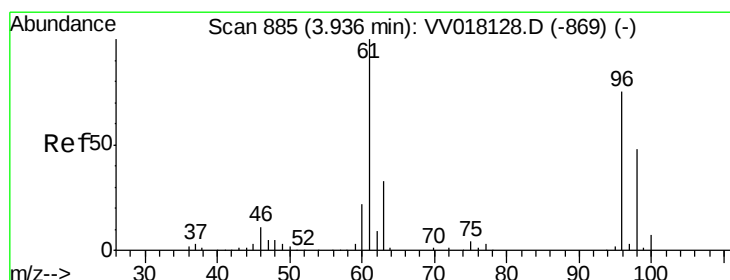
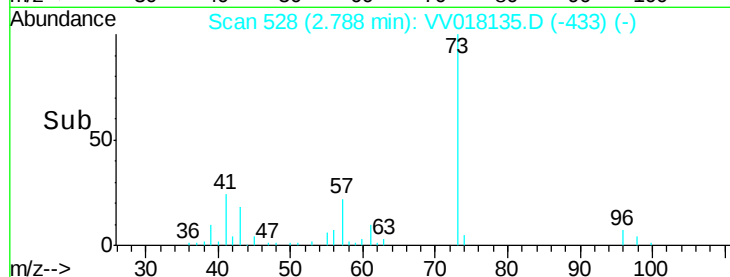
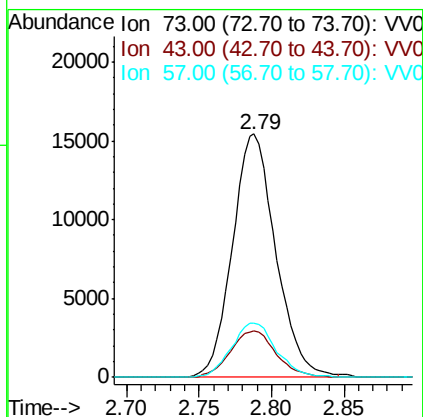
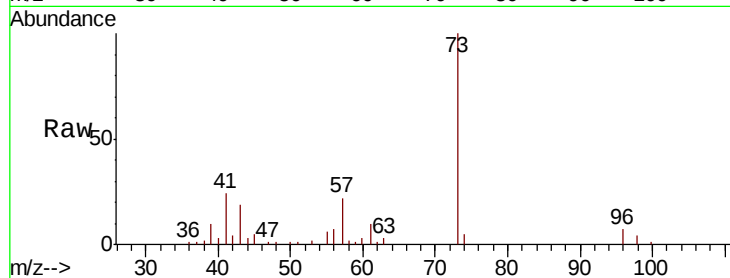


#18

Methvl tert-butvl Ether
 Concen: 5.205 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. 0.01 min
 Lab File: VV018135.D
 Acq: 28 Aug 2020 13:56

Instrument :
 MSVOA_V
 ClientSampled :
 BG3J3

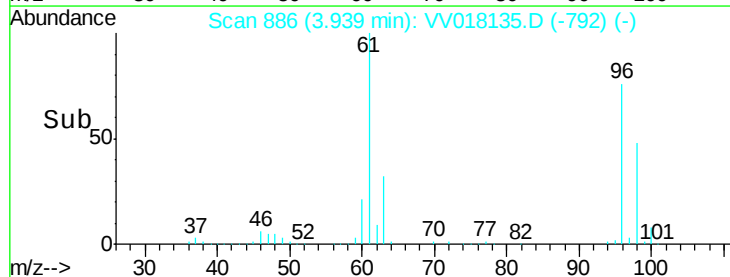
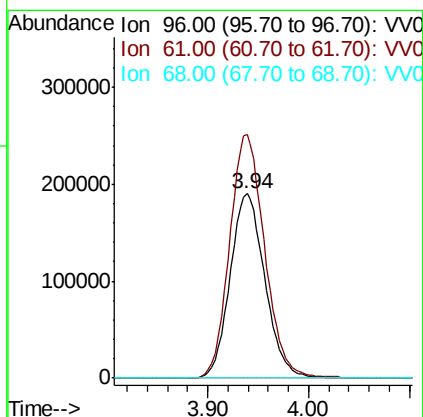
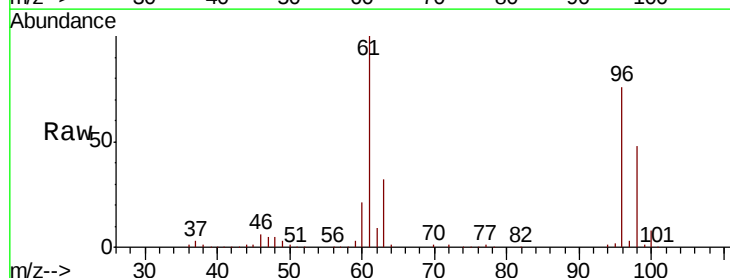
Tot Ion: 73 Resp: 32020
 Ion Ratio Lower Upper
 73 100
 43 20.2 15.9 23.9
 57 23.0 18.1 27.1

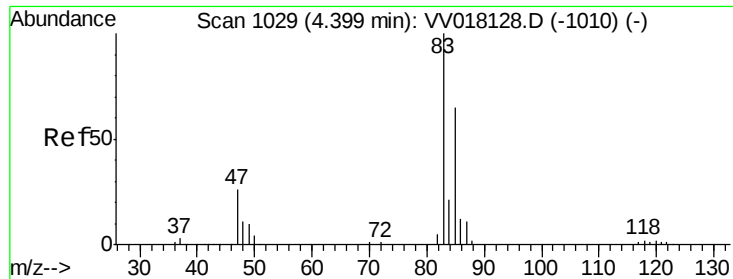


#20

cis-1,2-Dichloroethene
 Concen: 222.856 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV018135.D
 Acq: 28 Aug 2020 13:56

Tgt Ion: 96 Resp: 455515
 Ion Ratio Lower Upper
 96 100
 61 132.1 95.0 176.4
 68 0.0 0.0 0.0

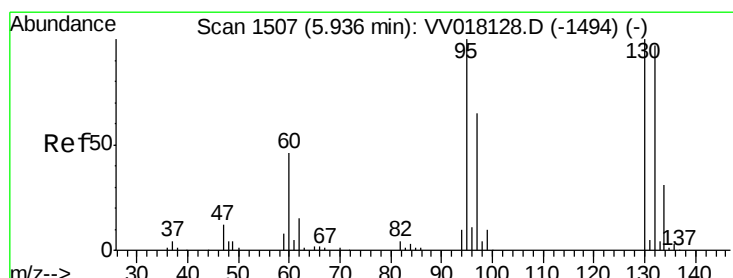
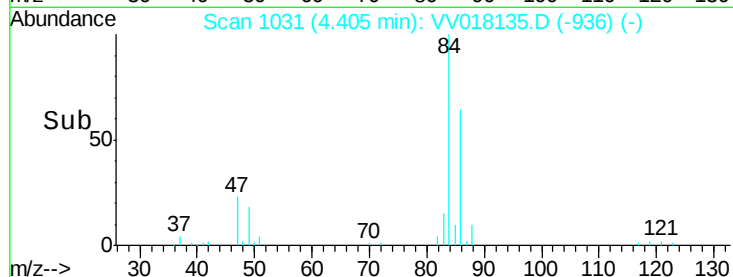
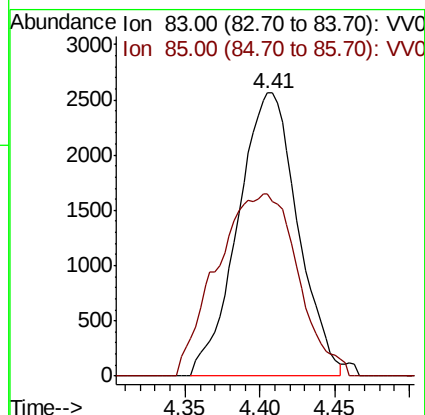
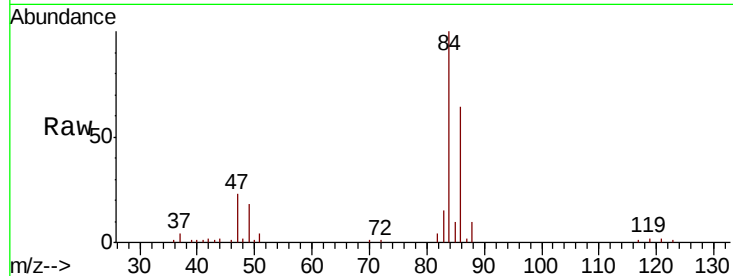




#25
Chloroform
Concen: 1.872 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV018135.D
Acq: 28 Aug 2020 13:56

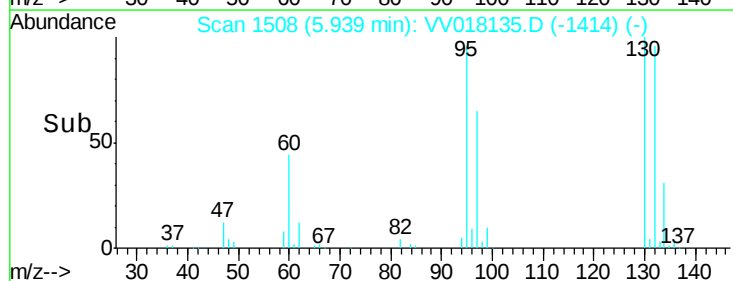
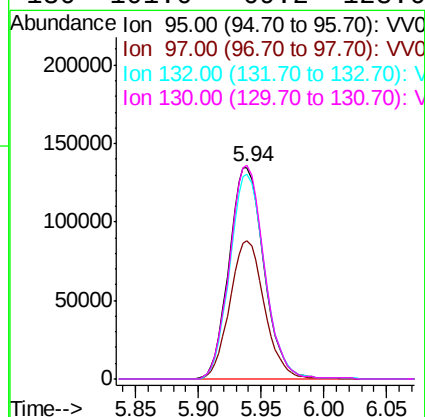
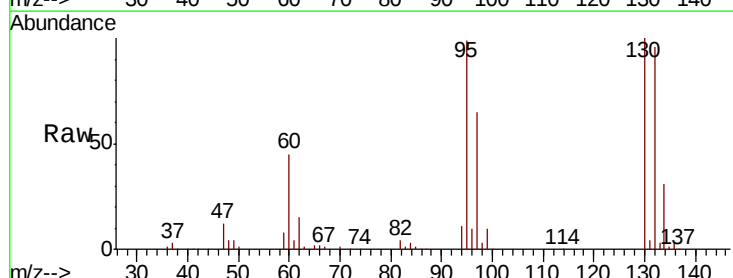
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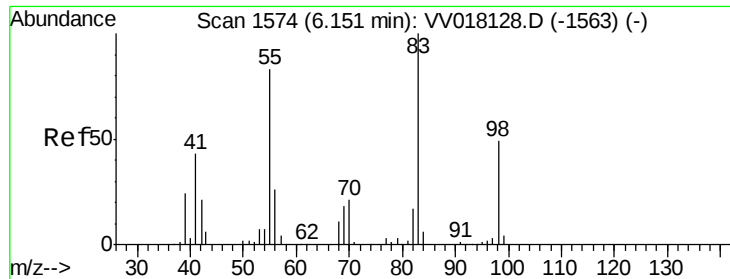
Tot Ion: 83 Resp: 7140
Ion Ratio Lower Upper
83 100
85 64.3 45.5 84.5



#34
Trichloroethene
Concen: 120.369 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV018135.D
Acq: 28 Aug 2020 13:56

Tgt Ion: 95 Resp: 260890
Ion Ratio Lower Upper
95 100
97 65.4 46.0 85.4
132 96.9 65.8 122.2
130 101.0 69.2 128.6

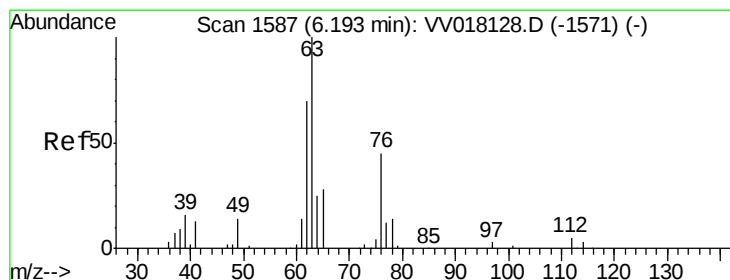
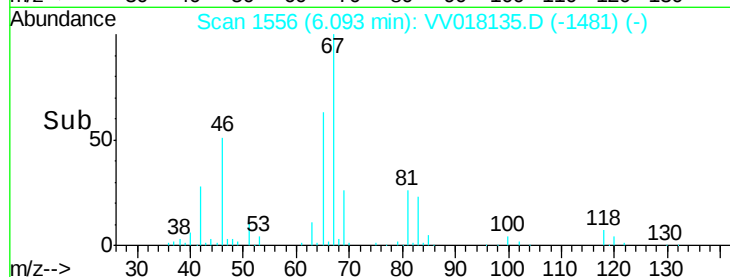
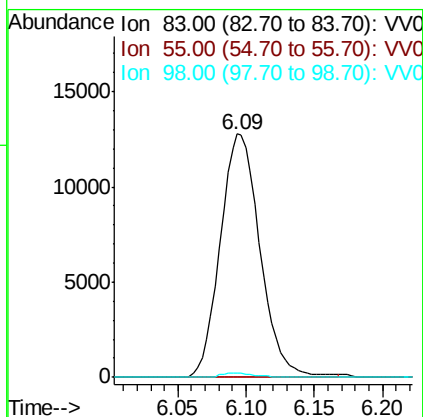
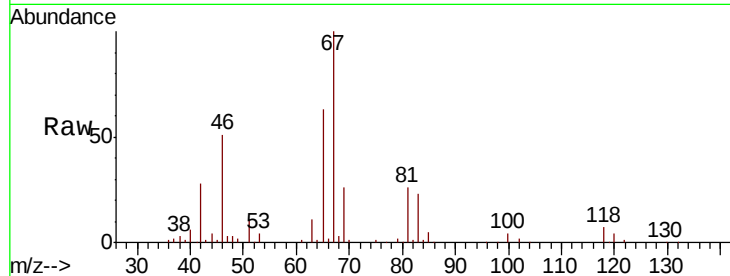




#35
Methvlcvclohexane
Concen: 8.027 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018135.D
Acq: 28 Aug 2020 13:56

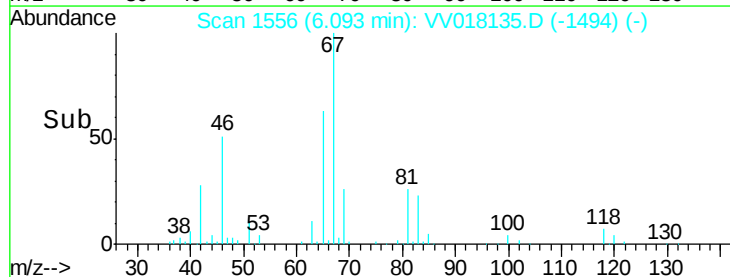
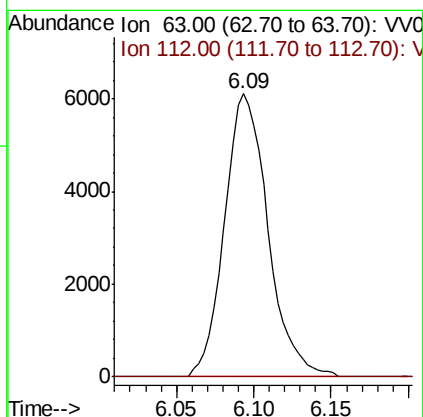
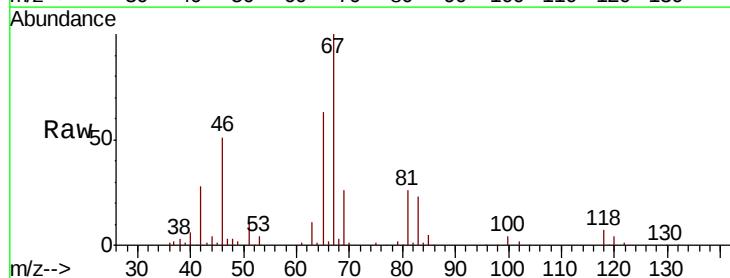
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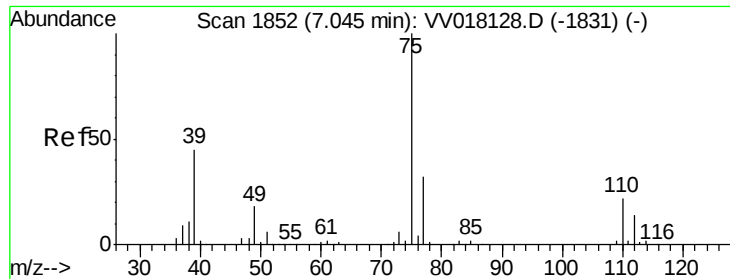
Tot Ion: 83 Resp: 25871
Ion Ratio Lower Upper
83 100
55 0.0 64.9 97.3#
98 1.2 38.7 58.1#



#37
1,2-Dichloropropane
Concen: 5.327 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV018135.D
Acq: 28 Aug 2020 13:56

Tgt Ion: 63 Resp: 11913
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

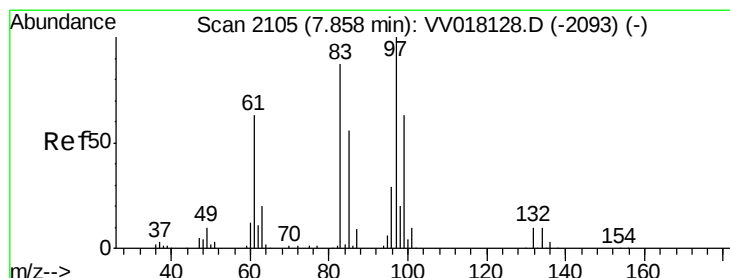
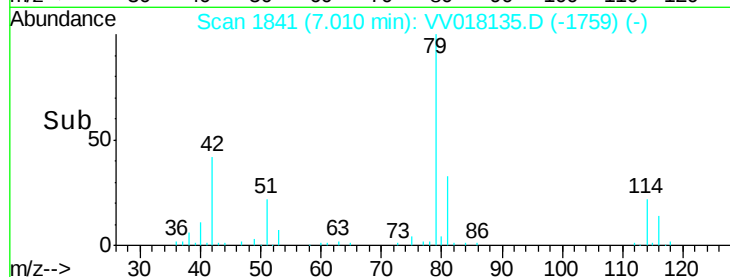
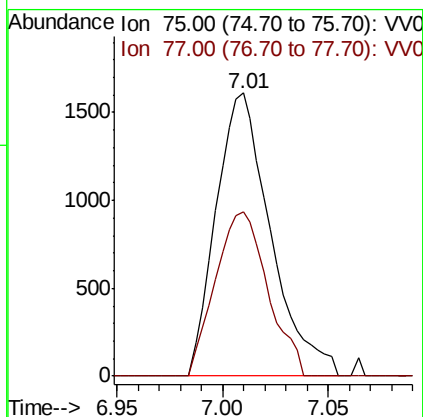
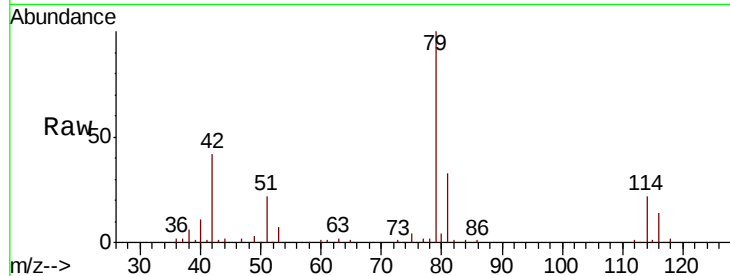




#39
 cis-1,3-Dichloropropene
 Concen: 0.912 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV018135.D
 Acq: 28 Aug 2020 13:56

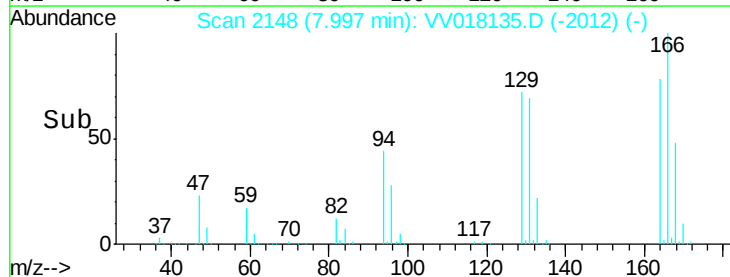
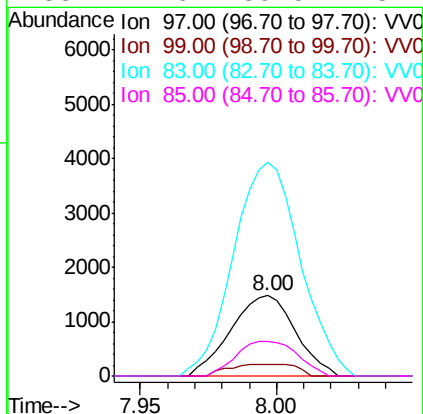
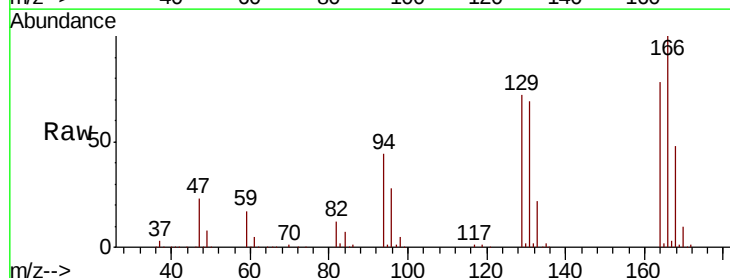
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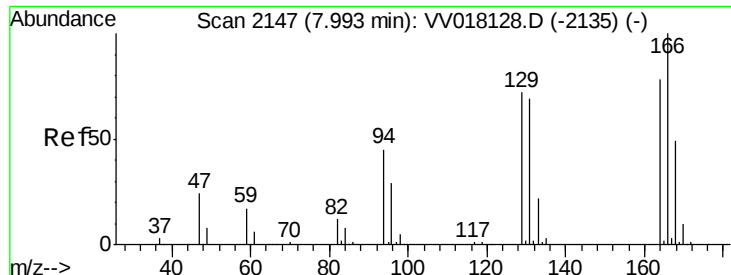
Tot Ion: 75 Resp: 2892
 Ion Ratio Lower Upper
 75 100
 77 58.0 22.3 41.5#



#45
 1,1,2-Trichloroethane
 Concen: 1.173 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.14 min
 Lab File: VV018135.D
 Acq: 28 Aug 2020 13:56

Tgt Ion: 97 Resp: 2430
 Ion Ratio Lower Upper
 97 100
 99 14.9 44.2 82.2#
 83 265.2 61.0 113.4#
 85 42.6 39.5 73.4

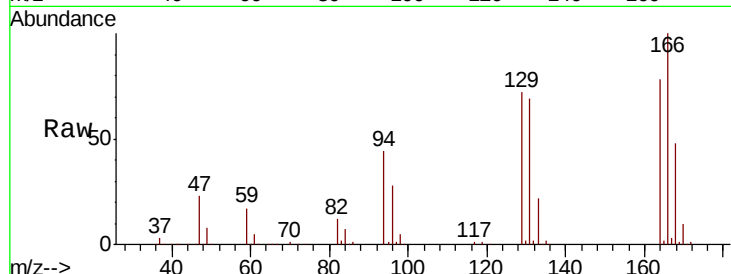




#46
Tetrachloroethene
Concen: 190.817 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV018135.D
Acq: 28 Aug 2020 13:56

Instrument :
MSVOA_V
ClientSampleId :
BG3J3

Tot Ion	Ratio	Lower	Upper
164	100		
129	92.7	64.8	120.3
131	89.1	64.5	119.9
166	128.4	88.9	165.1

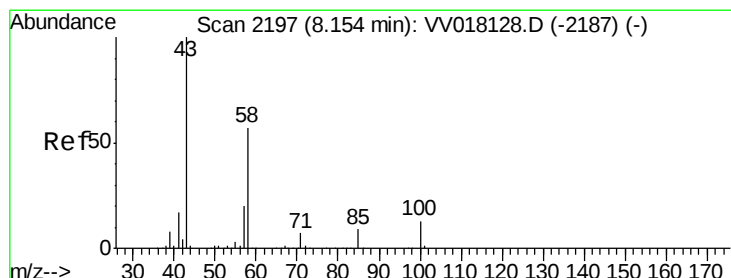
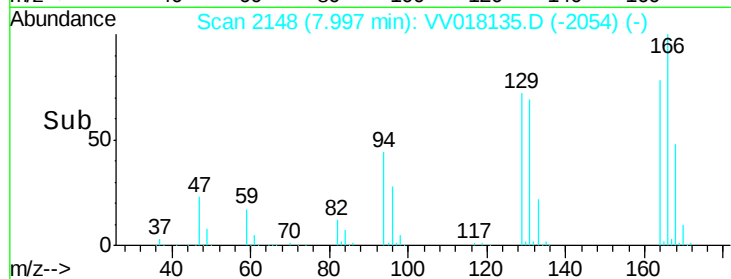
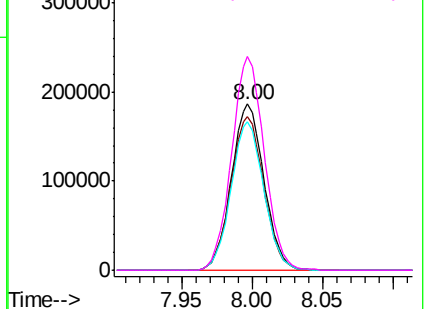


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

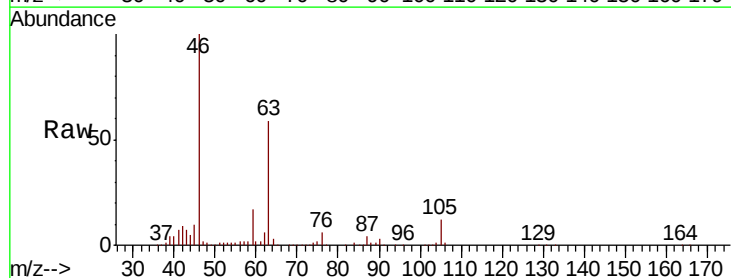
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48
2-Hexanone
Concen: 3.622 ug/L
RT: 8.11 min Scan# 2183
Delta R.T. -0.04 min
Lab File: VV018135.D
Acq: 28 Aug 2020 13:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.3	44.4	66.6#
57	28.6	15.2	22.8#
100	0.0	9.8	14.6#

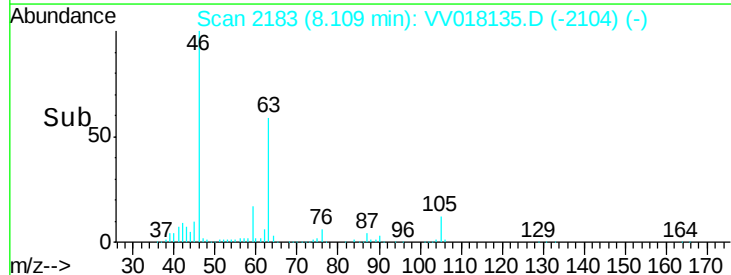
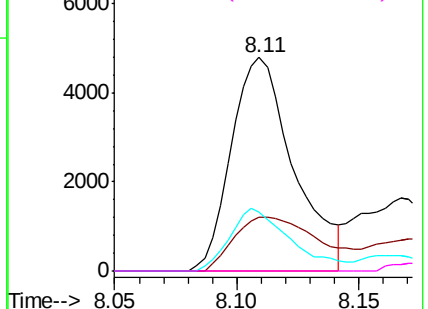


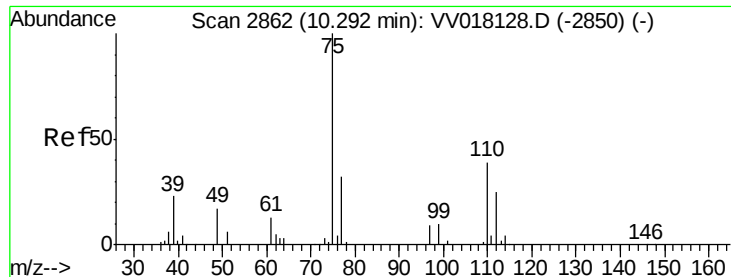
Abundance Ion 43.00 (42.70 to 43.70): VV0

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





#59
 1,2,3-Trichloropropane
 Concen: 5.452 ug/L
 RT: 11.27 min Scan# 3166
 Delta R.T. 0.98 min
 Lab File: VV018135.D
 Acq: 28 Aug 2020 13:56

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3J3

Tot Ion: 75 Resp: 15057
 Ion Ratio Lower Upper
 75 100
 77 36.6 25.7 38.5

