

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081220\
 Data File : VV017942.D
 Acq On : 12 Aug 2020 22:13
 Operator : SY/MD
 Sample : L3644-07DL 10X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L60DL

Quant Time: Aug 13 06:00:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 13 05:58:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	176019	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	174979	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	76410	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	134088	99.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	199.68%#
7) Chloroethane-d5	1.58	69	114614	104.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	208.62%#
11) 1,1-Dichloroethene-d2	2.12	63	203004	79.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	158.04%#
21) 2-Butanone-d5	3.91	46	185761	211.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	211.18%#
24) Chloroform-d	4.38	84	249961	102.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	204.48%#
26) 1,2-Dichloroethane-d4	5.06	65	170984	107.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	215.36%#
32) Benzene-d6	5.08	84	507590	105.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	210.52%#
36) 1,2-Dichloropropane-d6	6.09	67	166493	105.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	211.20%#
41) Toluene-d8	7.34	98	453899	104.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	209.32%#
43) trans-1,3-Dichloropropene-	7.64	79	72492	101.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	202.76%#
47) 2-Hexanone-d5	8.11	63	96951	191.63	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	191.63%#
57) 1,1,2,2-Tetrachloroethane-	10.24	84	199905	97.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	194.74%#
64) 1,2-Dichlorobenzene-d4	11.65	152	177603	118.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	236.20%#

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	11795	7.541 ug/L #	78
9) Trichlorofluoromethane	2.12	101	1724	0.772 ug/L #	34
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1724	1.382 ug/L #	20
12) 1,1-Dichloroethene	2.12	96	1785	1.512 ug/L #	1
16) Methylene chloride	2.53	84	1136	0.755 ug/L	94
17) trans-1,2-Dichloroethene	2.78	96	1210	0.997 ug/L	93
20) cis-1,2-Dichloroethene	3.94	96	86227	64.649 ug/L	98
25) Chloroform	4.40	83	2656	1.067 ug/L	77
27) 1,2-Dichloroethane	5.07	62	3212	1.621 ug/L	97
34) Trichloroethene	5.94	95	220283	153.940 ug/L	99
35) Methylcyclohexane	6.09	83	39016	18.336 ug/L #	17
44) trans-1,3-Dichloropropene	7.64	75	3247	1.635 ug/L	99
45) 1,1,2-Trichloroethane	8.00	97	1014	0.742 ug/L #	1
46) Tetrachloroethene	8.00	164	103540	98.661 ug/L	98
48) 2-Hexanone	8.16	43	9181	5.899 ug/L #	94
59) 1,2,3-Trichloropropane	11.27	75	9757	5.351 ug/L	94

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QLast Update : Thu Aug 13 05:58:58 2020
Response via : Initial Calibration

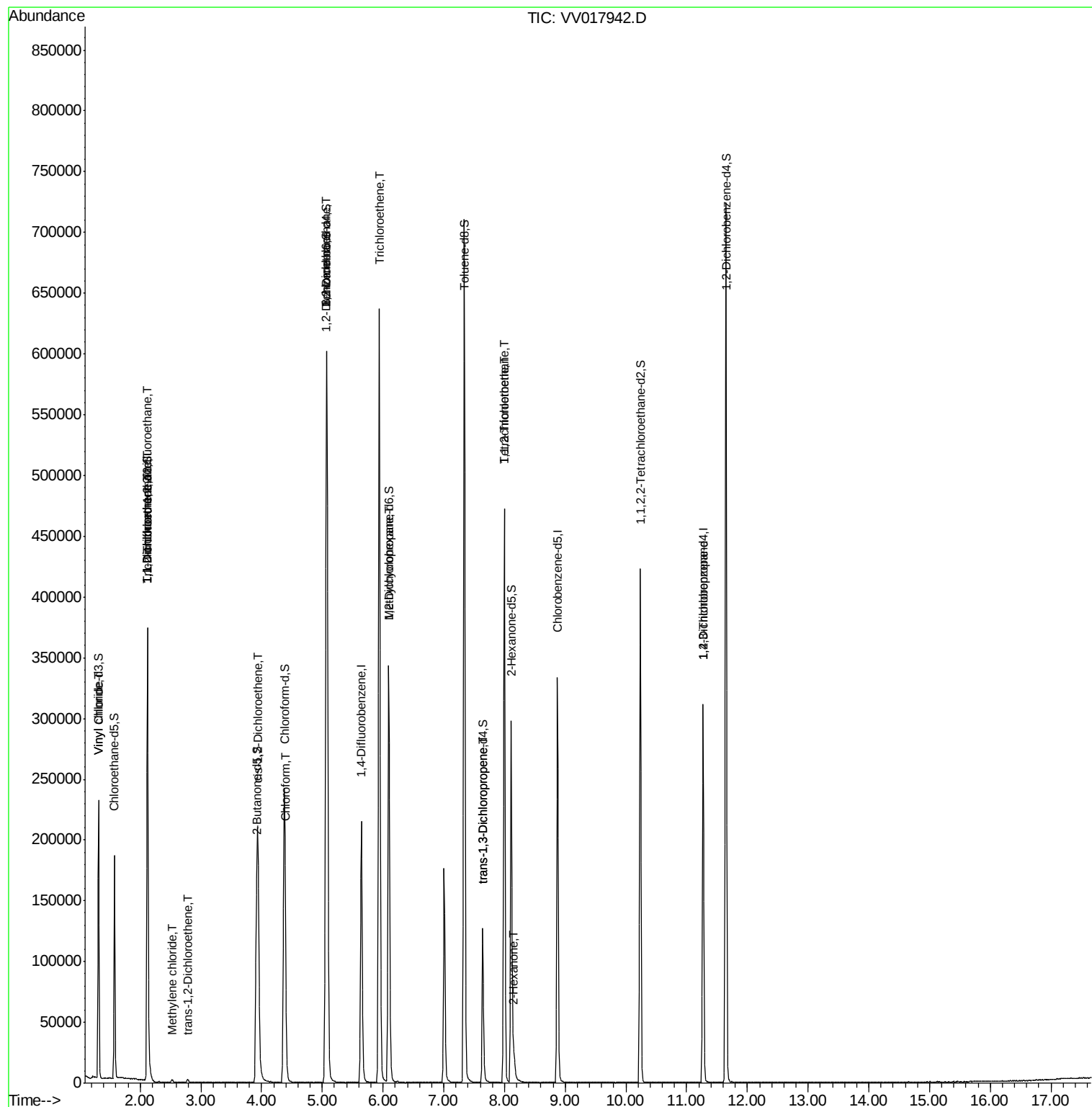
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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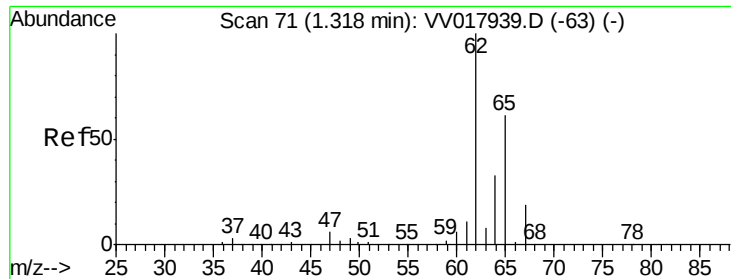
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV081220\
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#5

Vinyl chloride

Concen: 7.541 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017942.D

Acq: 12 Aug 2020 22:13

Instrument :

MSVOA_V

ClientSampled :

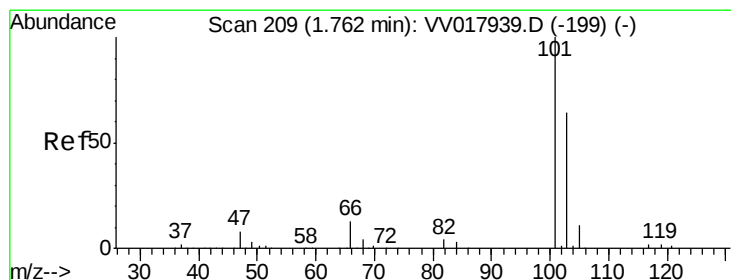
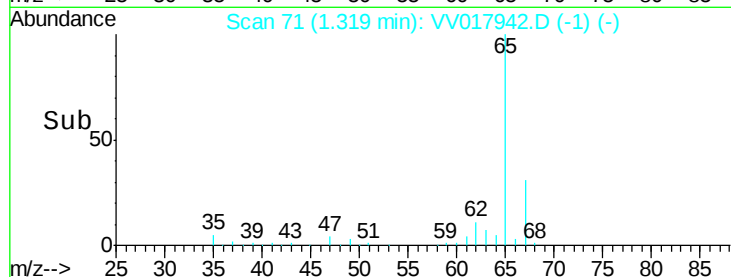
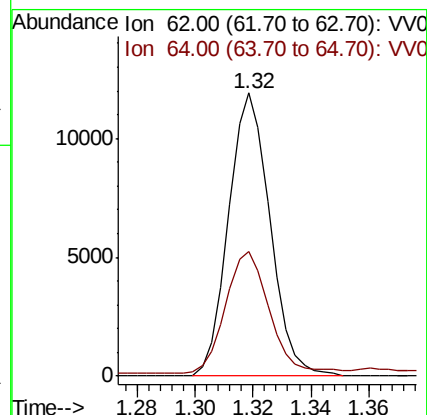
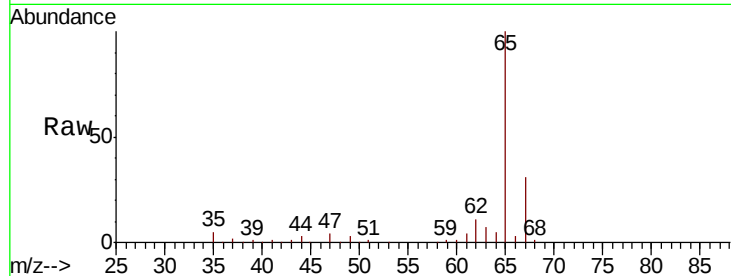
F2L60DL

Tot Ion: 62 Resp: 11795

Ion Ratio Lower Upper

62 100

64 44.2 22.4 41.6#



#9

Trichlorofluoromethane

Concen: 0.772 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.36 min

Lab File: VV017942.D

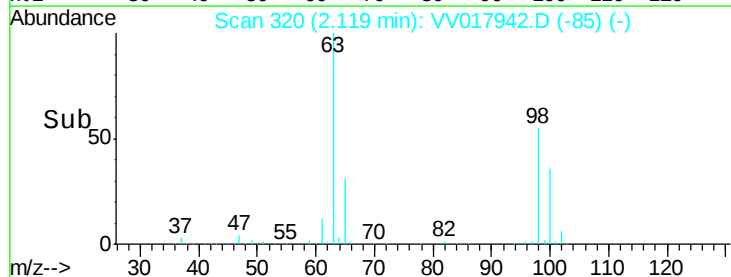
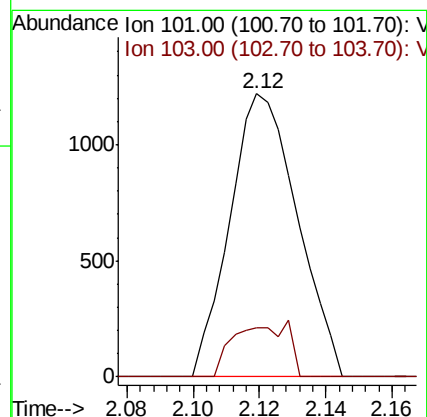
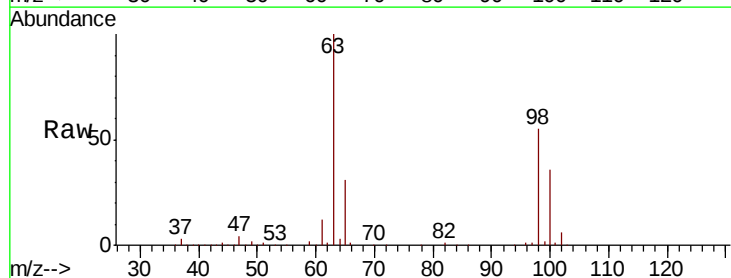
Acq: 12 Aug 2020 22:13

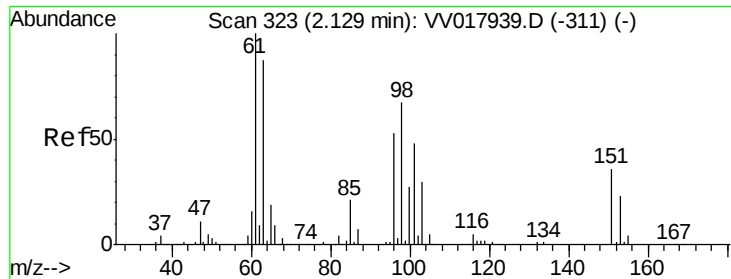
Tgt Ion: 101 Resp: 1724

Ion Ratio Lower Upper

101 100

103 12.5 51.5 77.3#





#10

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

Concen: 1.382 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV017942.D

Acq: 12 Aug 2020 22:13

Instrument :

MSVOA_V

ClientSampleId :

F2L60DL

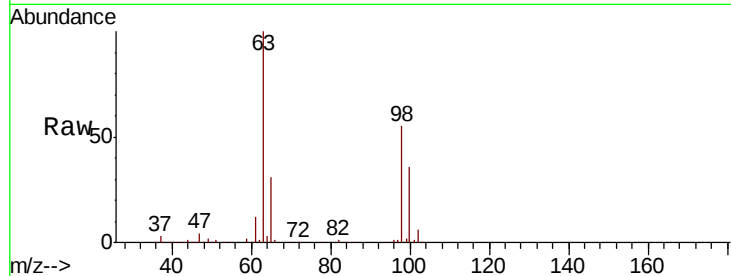
Tot Ion:101 Resp: 1724

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

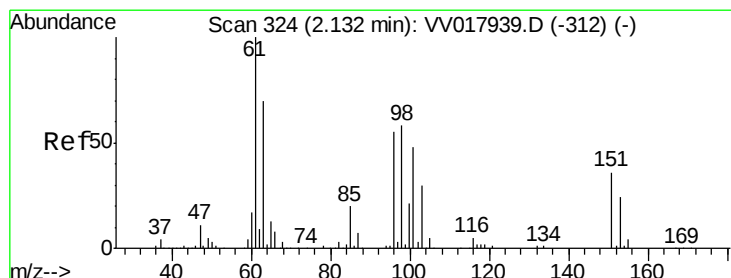
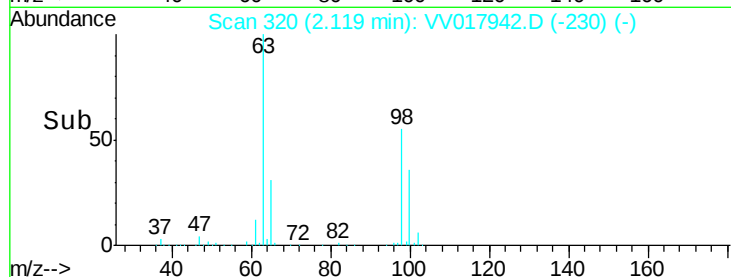
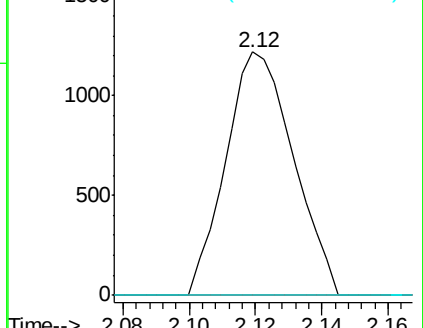
151 0.0 59.1 88.7#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.512 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV017942.D

Acq: 12 Aug 2020 22:13

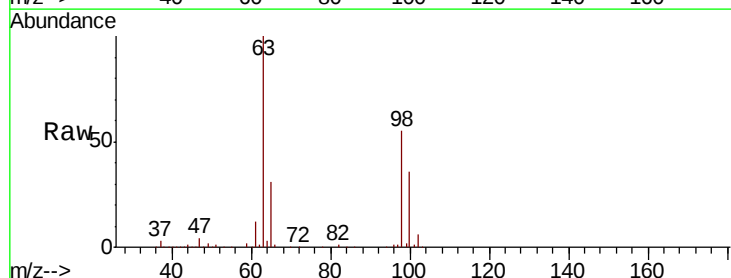
Tgt Ion: 96 Resp: 1785

Ion Ratio Lower Upper

96 100

61 1415.4 127.1 236.0#

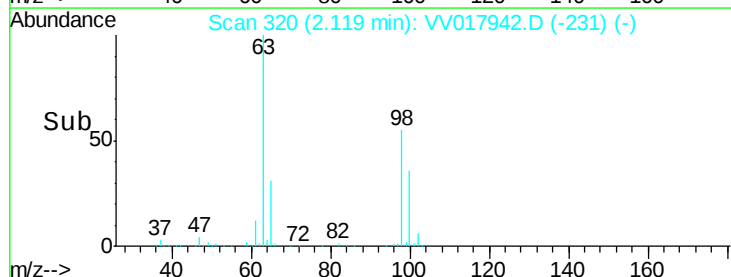
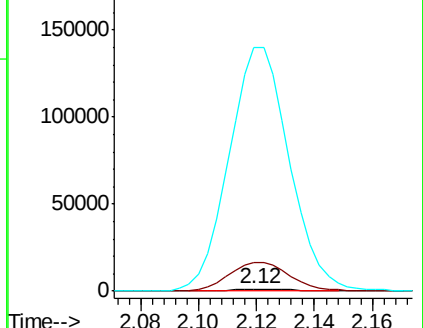
63 11957.6 95.2 176.8#

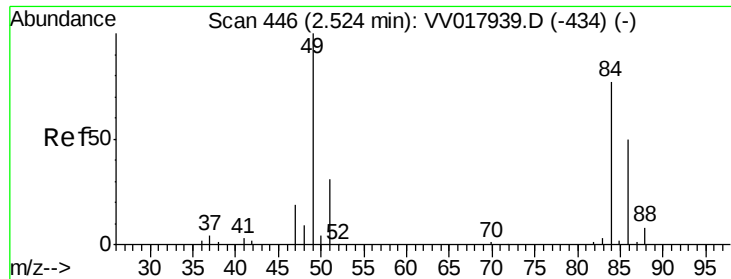


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

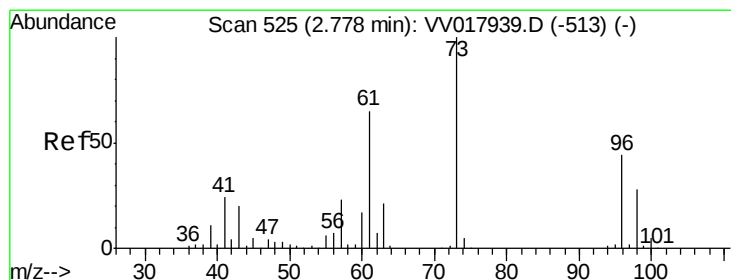
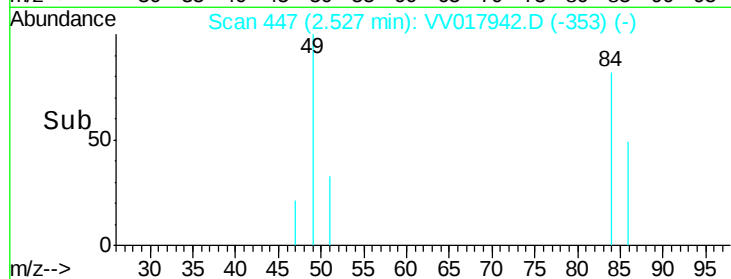
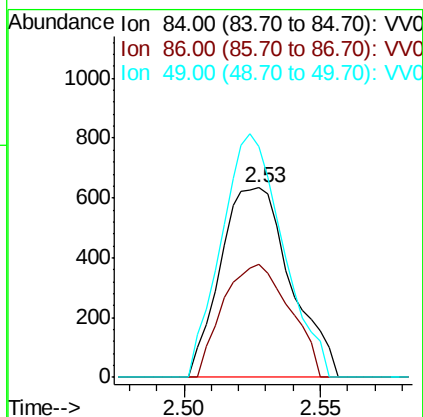
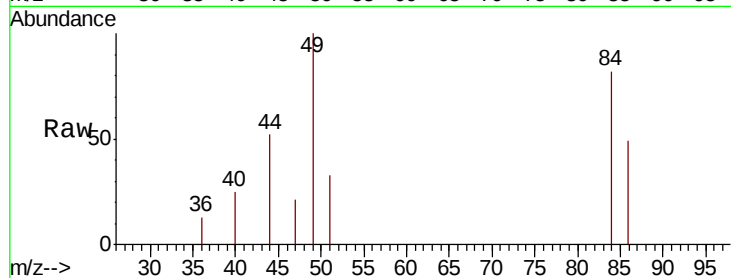




#16
Methylene chloride
Concen: 0.755 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV017942.D
Acq: 12 Aug 2020 22:13

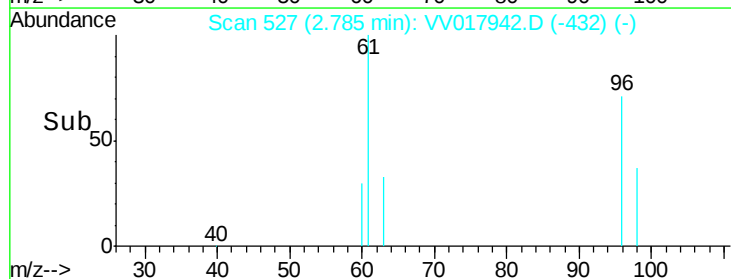
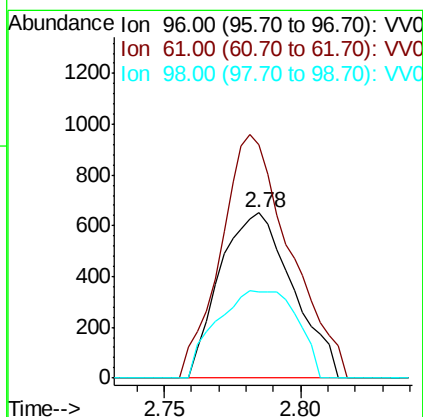
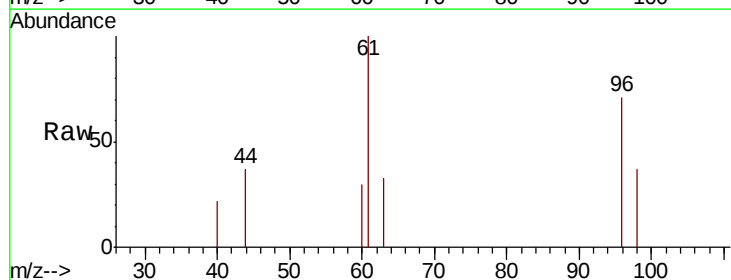
Instrument :
MSVOA_V
ClientSampled :
F2L60DL

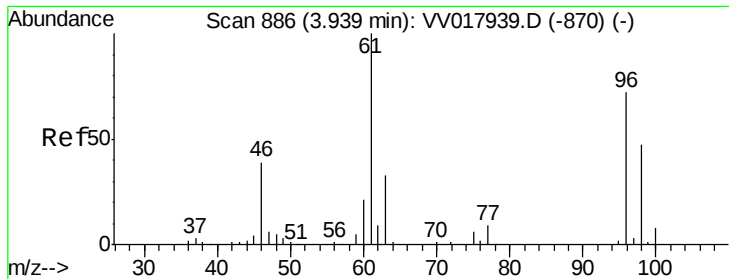
Tot Ion: 84 Resp: 1136
Ion Ratio Lower Upper
84 100
86 59.6 46.3 85.9
49 121.9 89.7 166.5



#17
trans-1,2-Dichloroethene
Concen: 0.997 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.01 min
Lab File: VV017942.D
Acq: 12 Aug 2020 22:13

Tgt Ion: 96 Resp: 1210
Ion Ratio Lower Upper
96 100
61 141.3 102.4 190.2
98 51.9 44.4 82.5

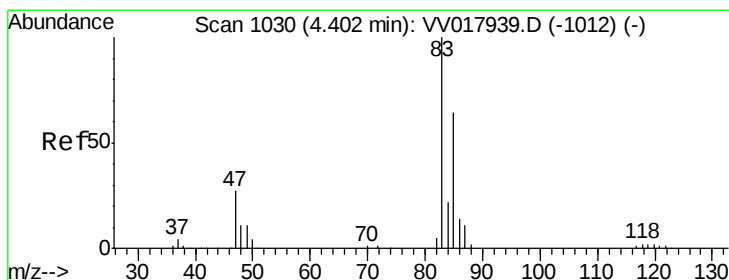
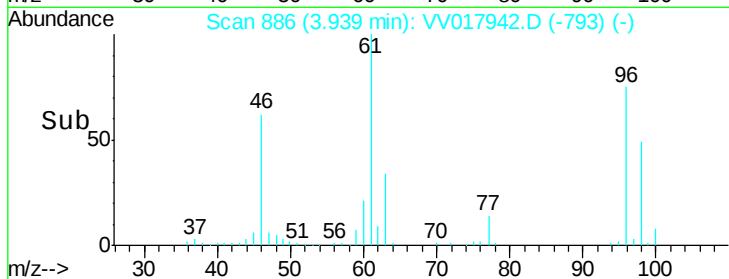
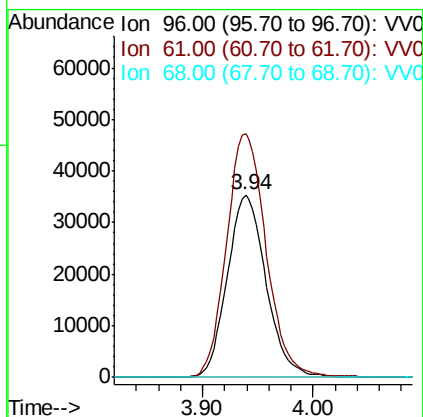
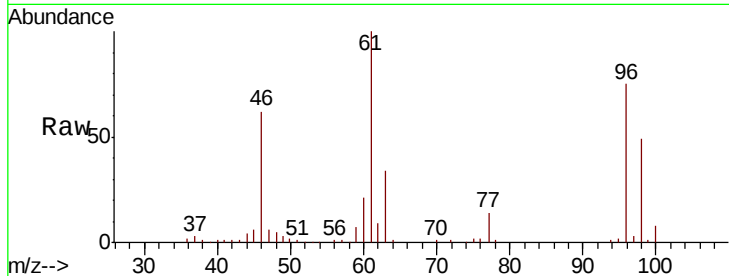




#20
 cis-1,2-Dichloroethene
 Concen: 64.649 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017942.D
 Acq: 12 Aug 2020 22:13

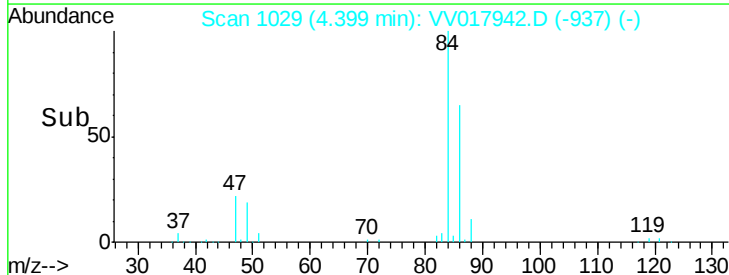
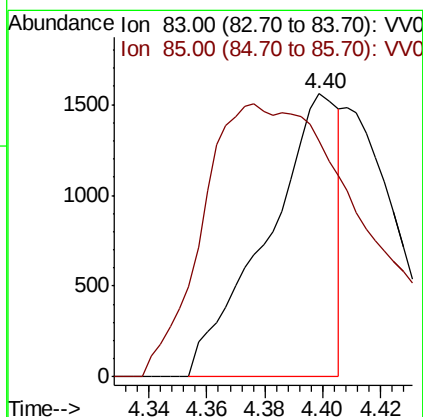
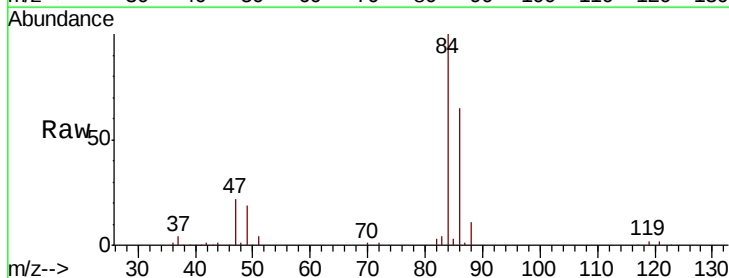
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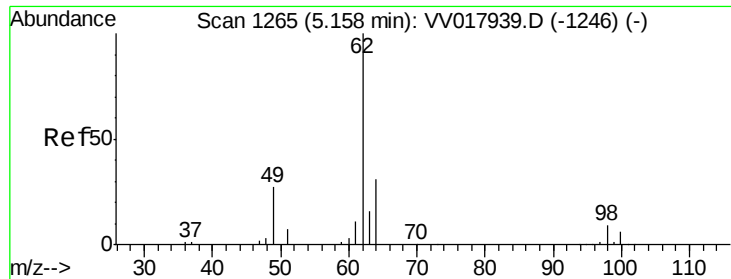
Tot Ion: 96 Resp: 86227
 Ion Ratio Lower Upper
 96 100
 61 133.2 95.0 176.4
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 1.067 ug/L
 RT: 4.40 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VV017942.D
 Acq: 12 Aug 2020 22:13

Tgt Ion: 83 Resp: 2656
 Ion Ratio Lower Upper
 83 100
 85 83.4 45.5 84.5

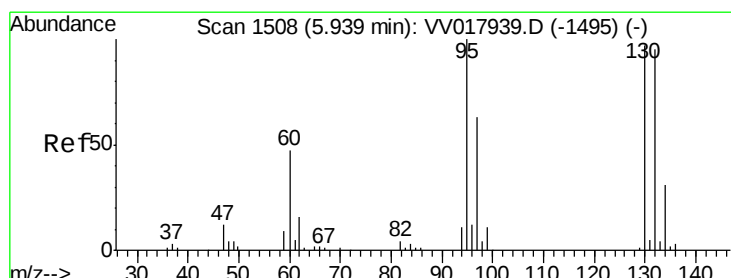
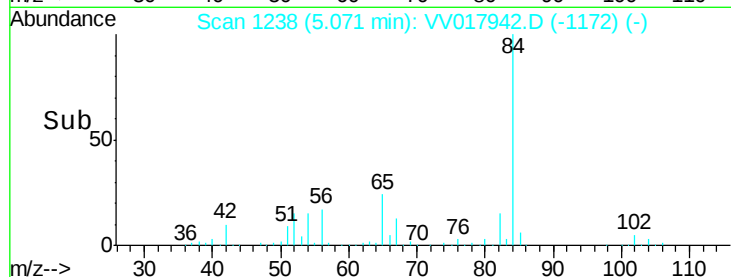
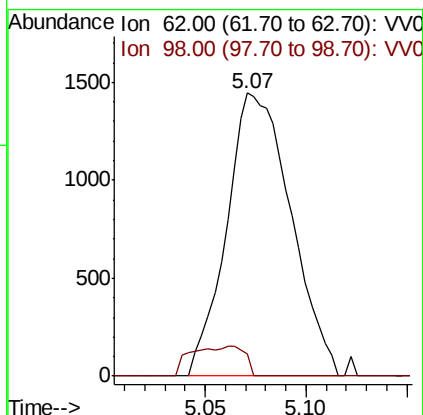
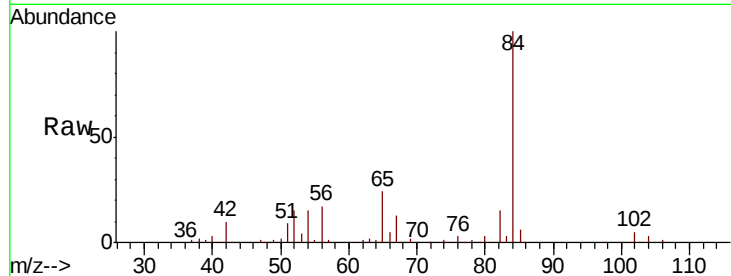




#27
 1,2-Dichloroethane
 Concen: 1.621 ug/L
 RT: 5.07 min Scan# 1238
 Delta R.T. -0.09 min
 Lab File: VV017942.D
 Acq: 12 Aug 2020 22:13

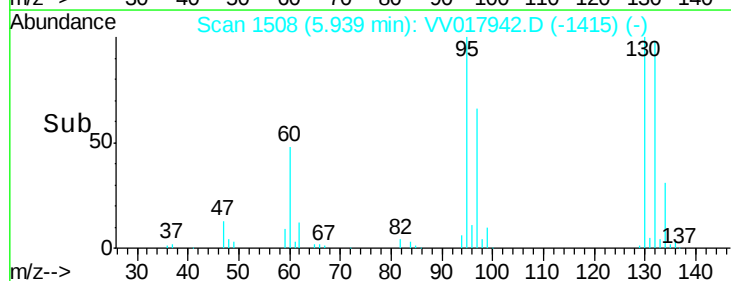
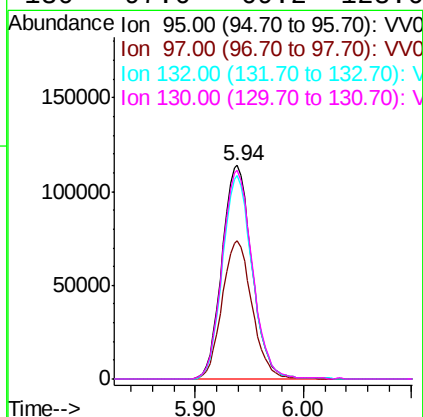
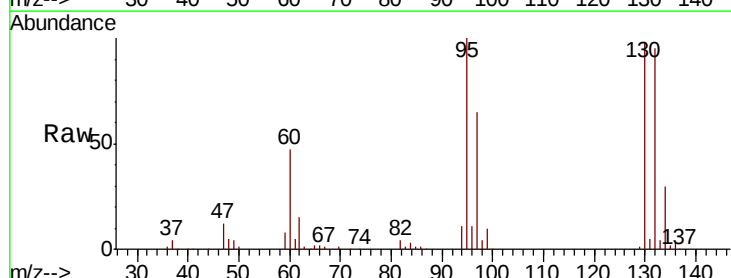
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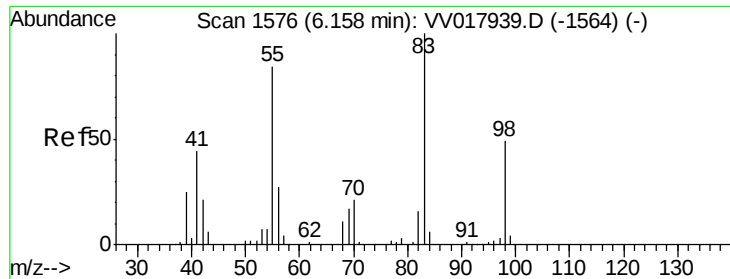
Tot Ion: 62 Resp: 3212
 Ion Ratio Lower Upper
 62 100
 98 7.9 7.1 10.7



#34
 Trichloroethene
 Concen: 153.940 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV017942.D
 Acq: 12 Aug 2020 22:13

Tgt Ion: 95 Resp: 220283
 Ion Ratio Lower Upper
 95 100
 97 64.8 46.0 85.4
 132 95.4 65.8 122.2
 130 97.6 69.2 128.6

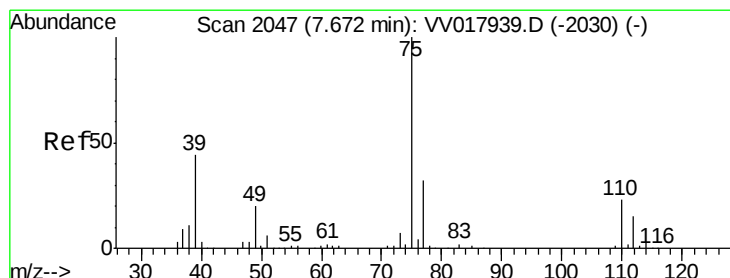
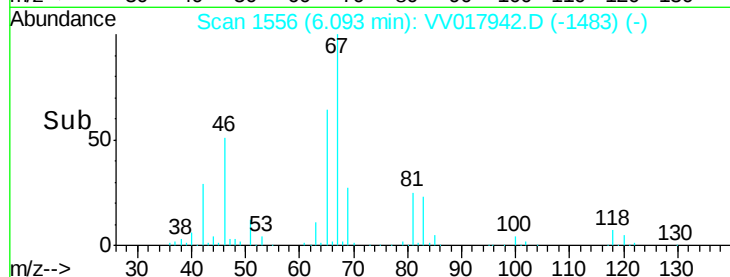
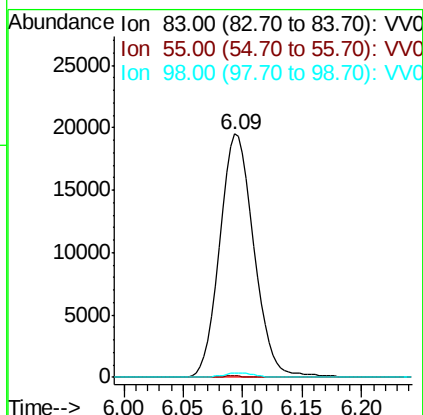
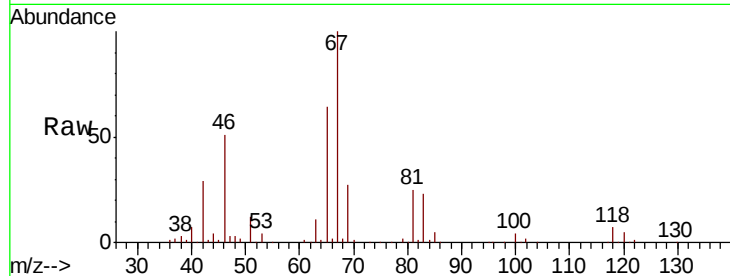




#35
Methvlcvclohexane
Concen: 18.336 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017942.D
Acq: 12 Aug 2020 22:13

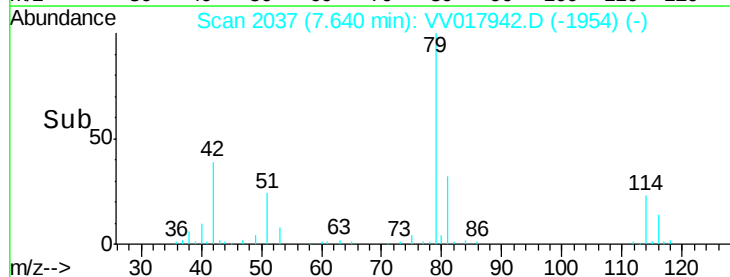
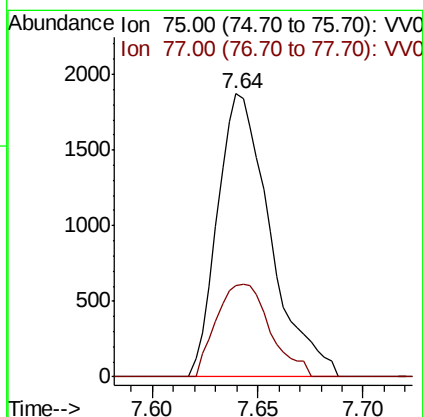
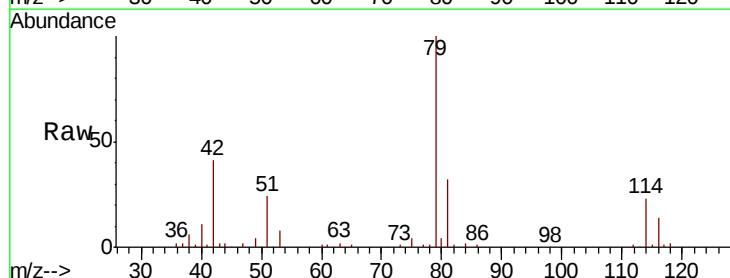
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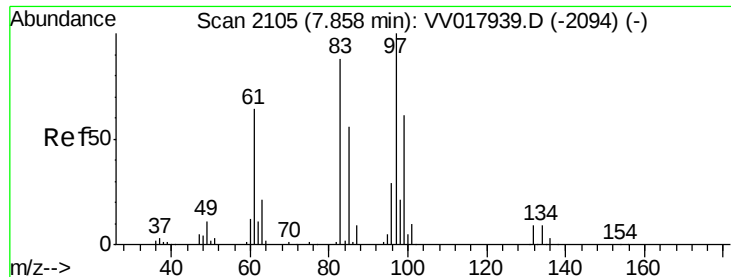
Tot Ion: 83 Resp: 39016
Ion Ratio Lower Upper
83 100
55 0.1 64.9 97.3#
98 1.5 38.7 58.1#



#44
trans-1,3-Dichloropropene
Concen: 1.635 ug/L
RT: 7.64 min Scan# 2037
Delta R.T. -0.03 min
Lab File: VV017942.D
Acq: 12 Aug 2020 22:13

Tgt Ion: 75 Resp: 3247
Ion Ratio Lower Upper
75 100
77 32.2 22.3 41.5

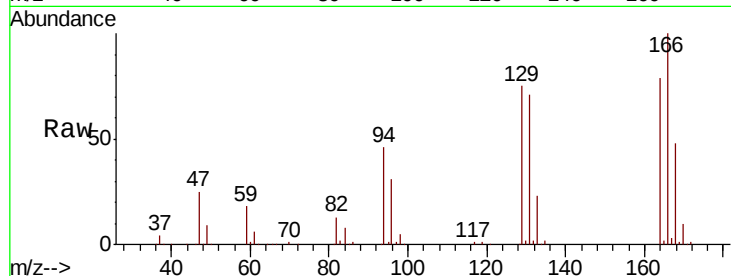




#45
1,1,2-Trichloroethane
Concen: 0.742 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.14 min
Lab File: VV017942.D
Acq: 12 Aug 2020 22:13

Instrument :
MSVOA_V
ClientSampleId :
F2L60DL

Tot Ion:	97	Resp:	1014
Ion	Ratio	Lower	Upper
97	100		
99	19.0	44.2	82.2#
83	262.0	61.0	113.4#
85	44.6	39.5	73.4



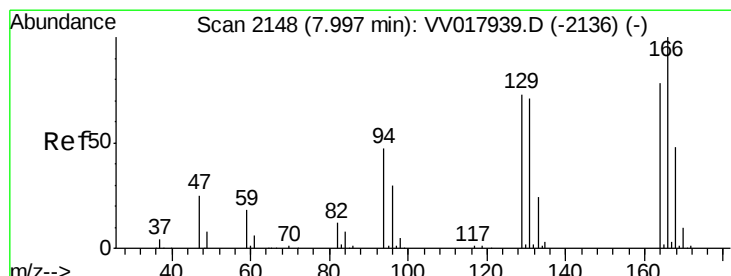
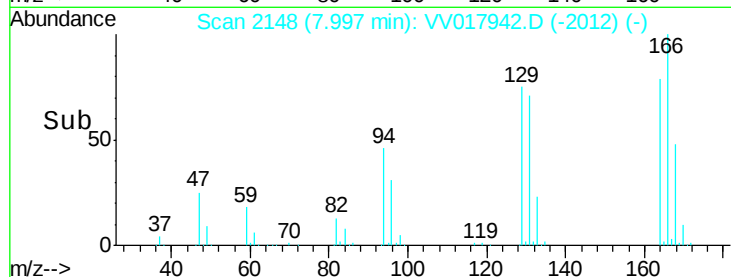
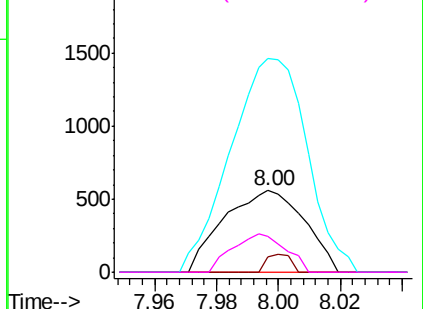
Abundance

Ion 97.00 (96.70 to 97.70): VV017942.D (-2094) (-)

Ion 99.00 (98.70 to 99.70): VV017942.D (-2094) (-)

Ion 83.00 (82.70 to 83.70): VV017942.D (-2094) (-)

Ion 85.00 (84.70 to 85.70): VV017942.D (-2094) (-)



#46
Tetrachloroethene
Concen: 98.661 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV017942.D
Acq: 12 Aug 2020 22:13

Tgt Ion:	164	Resp:	103540
Ion	Ratio	Lower	Upper
164	100		
129	95.2	64.8	120.3
131	89.9	64.5	119.9
166	127.3	88.9	165.1

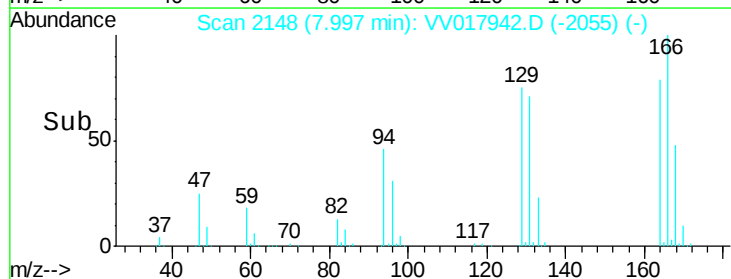
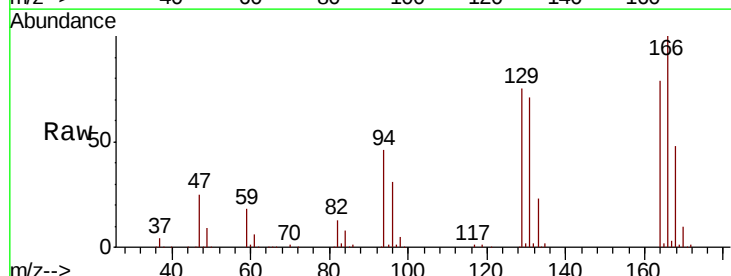
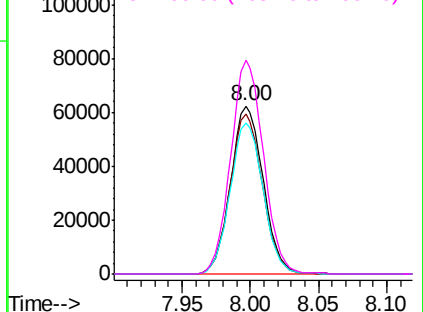
Abundance

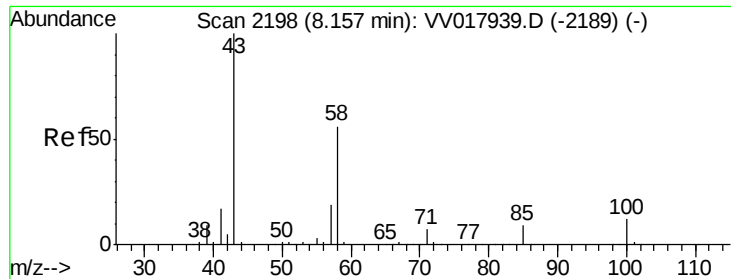
Ion 164.00 (163.70 to 164.70): VV017942.D (-2055) (-)

Ion 129.00 (128.70 to 129.70): VV017942.D (-2055) (-)

Ion 131.00 (130.70 to 131.70): VV017942.D (-2055) (-)

Ion 166.00 (165.70 to 166.70): VV017942.D (-2055) (-)

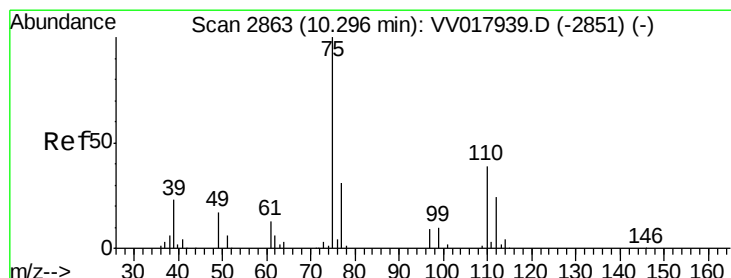
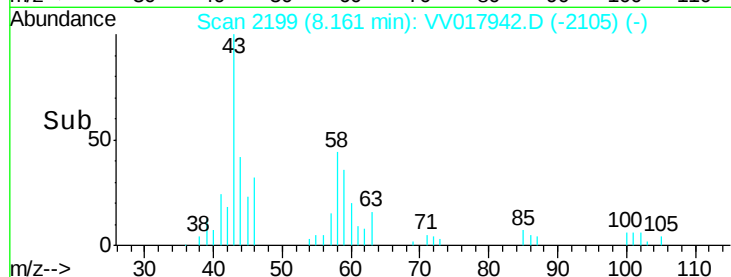
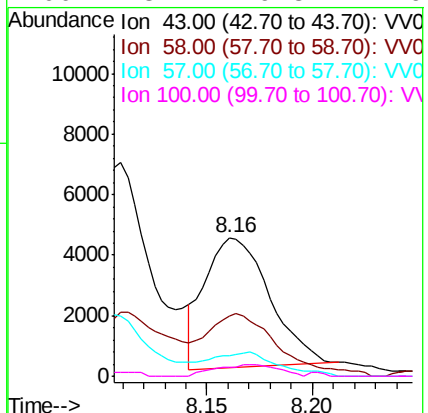
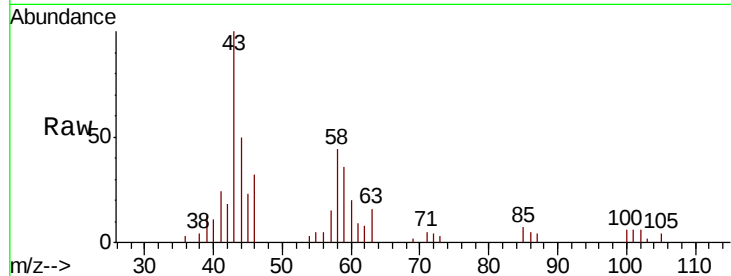




#48
2-Hexanone
Concen: 5.899 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV017942.D
Acq: 12 Aug 2020 22:13

Instrument :
MSVOA_V
ClientSampleId :
F2L60DL

Tot Ion: 43 Resp: 9181
Ion Ratio Lower Upper
43 100
58 51.0 44.4 66.6
57 17.7 15.2 22.8
100 8.7 9.8 14.6#



#59
1,2,3-Trichloropropane
Concen: 5.351 ug/L
RT: 11.27 min Scan# 3166
Delta R.T. 0.97 min
Lab File: VV017942.D
Acq: 12 Aug 2020 22:13

Tgt Ion: 75 Resp: 9757
Ion Ratio Lower Upper
75 100
77 35.4 25.7 38.5

