

Data File : VV015946.D
Acq On : 07 May 2020 18:17
Operator : SY/MD
Sample : L2519-01DL 20X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFRR8DL

Quant Time: May 08 05:16:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 08 05:09:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	148433	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	143247	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	68294	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	39149	4.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.20%
7) Chloroethane-d5	1.58	69	37167	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.12	63	61167	3.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.60%
20) 2-Butanone-d5	3.97	46	111580	48.58	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.16%
24) Chloroform-d	4.38	84	86336	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.06	65	51673	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.07	84	172928	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.09	67	54547	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.80%
41) Toluene-d8	7.34	98	155018	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
45) trans-1,3-Dichloropropene-	7.65	79	20133	4.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.60%
48) 2-Hexanone-d5	8.12	63	89099	49.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.34%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	37668	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	58751	5.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.00%

Target Compounds

						Qvalue
5) Vinyl chloride	1.32	62	20424	1.855	ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	730	0.086	ug/L #	44
12) 1,1-Dichloroethene	2.13	96	701	0.086	ug/L #	1
14) Carbon disulfide	2.30	76	1171	0.043	ug/L #	66
16) Methylene chloride	2.52	84	1977	0.202	ug/L	88
18) trans-1,2-Dichloroethene	2.78	96	1984	0.220	ug/L	92
22) cis-1,2-Dichloroethene	3.94	96	109416	11.579	ug/L	99
25) Chloroform	4.40	83	5476	0.286	ug/L	94
35) Methylcyclohexane	6.10	83	13708	0.881	ug/L #	17
37) 1,2-Dichloropropane	6.09	63	6756	0.738	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1762	0.136	ug/L #	70
43) 1,3,5-Trimethylbenzene	10.57	105	706	0.020	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	675	0.019	ug/L #	100
46) trans-1,3-Dichloropropene	7.65	75	935	0.086	ug/L #	58
50) 2-Hexanone	8.17	43	6648	1.647	ug/L #	86
68) 1,3,5-Trichlorobenzene	12.67	180	748	0.056	ug/L #	86
70) Naphthalene	13.53	128	3651	0.199	ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050720\
Quantitation Report (Not Reviewed)

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QLast Update : Fri May 08 05:09:03 2020
Response via : Initial Calibration

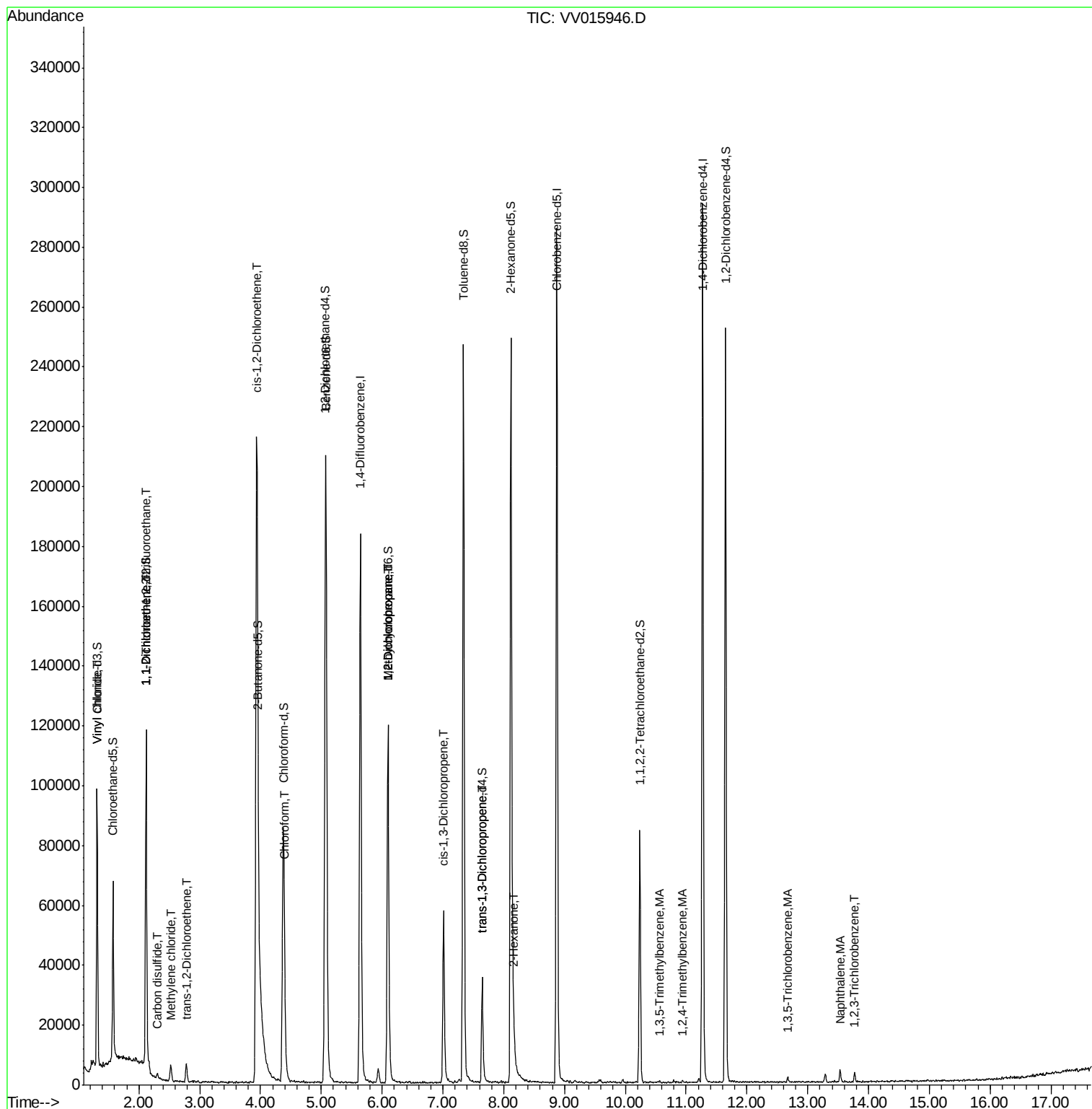
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 1,2,3-Trichlorobenzene	13.77	180	1107	0.109	ug/L	87

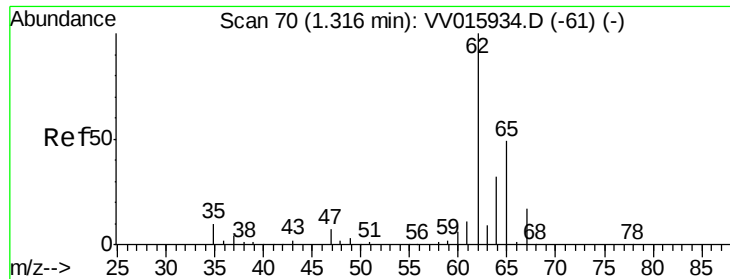
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 08 05:09:03 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.855 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015946.D

Acq: 07 May 2020 18:17

Instrument :

MSVOA_V

ClientSampleId :

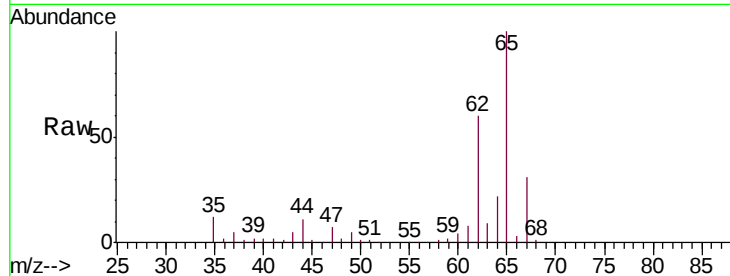
BFRR8DL

Tgt Ion: 62 Resp: 20424

Ion Ratio Lower Upper

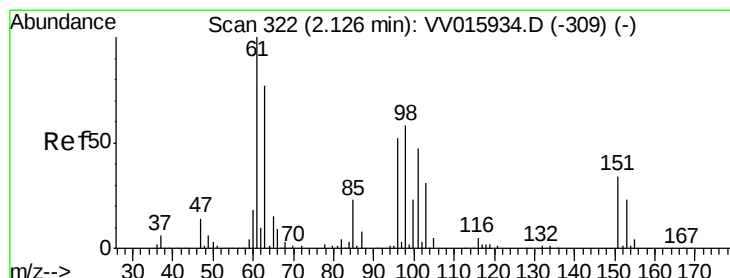
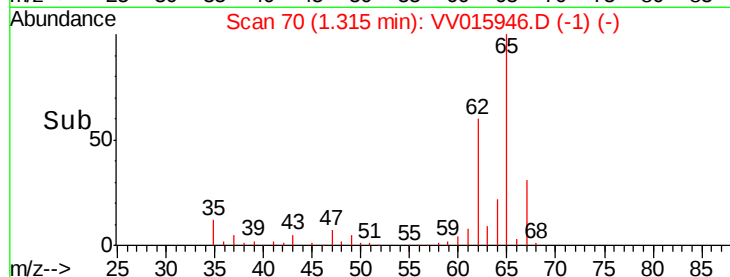
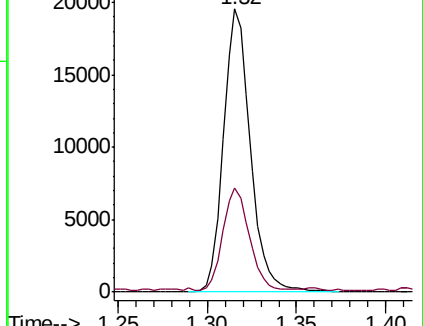
62 100

64 36.9 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV015946.D (-61) (-)

Ion 64.10 (63.80 to 64.80): VV015946.D (-61) (-)



#10

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

Concen: 0.086 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015946.D

Acq: 07 May 2020 18:17

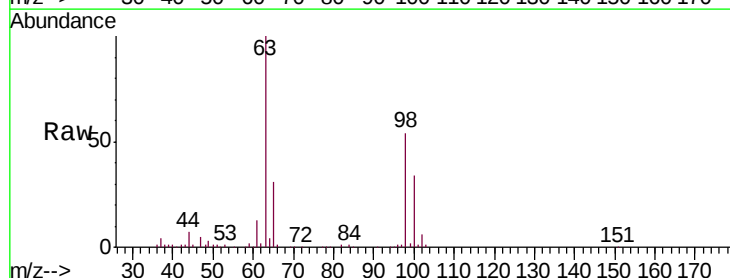
Tgt Ion: 101 Resp: 730

Ion Ratio Lower Upper

101 100

85 15.1 35.7 53.5#

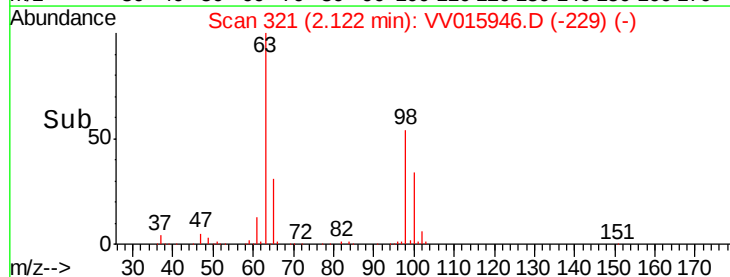
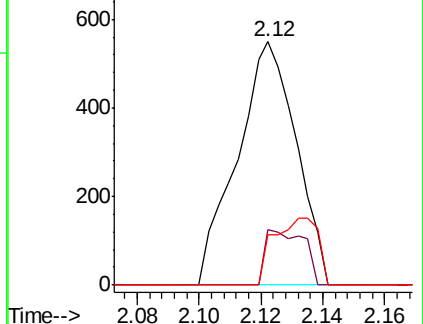
151 20.5 58.0 87.0#

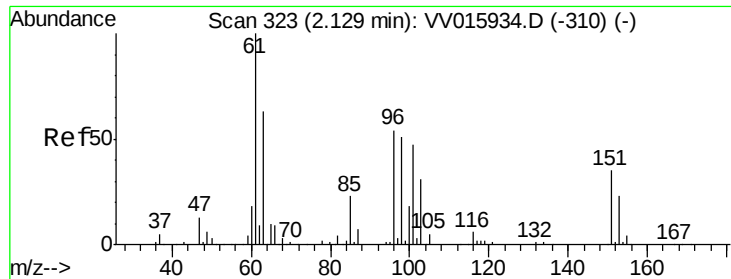


Abundance Ion 101.00 (100.70 to 101.70): VV015946.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV015946.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV015946.D (-309) (-)





#12

1,1-Dichloroethene

Concen: 0.086 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015946.D

Acq: 07 May 2020 18:17

Instrument :

MSVOA_V

ClientSampleId :

BFRR8DL

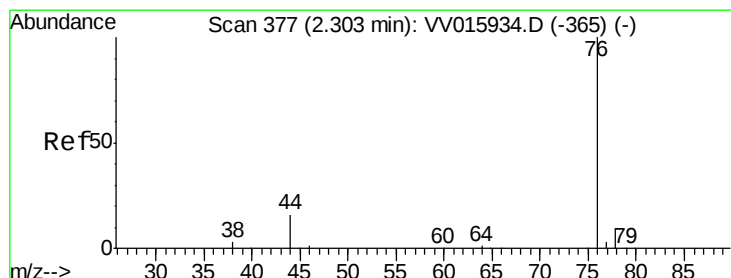
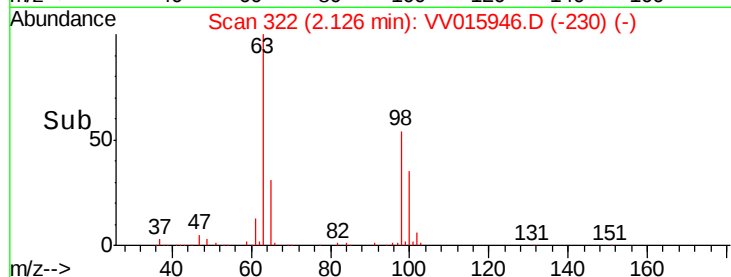
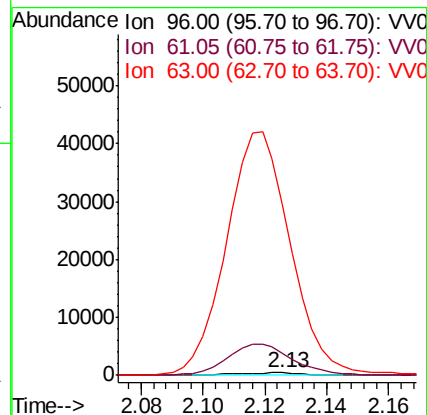
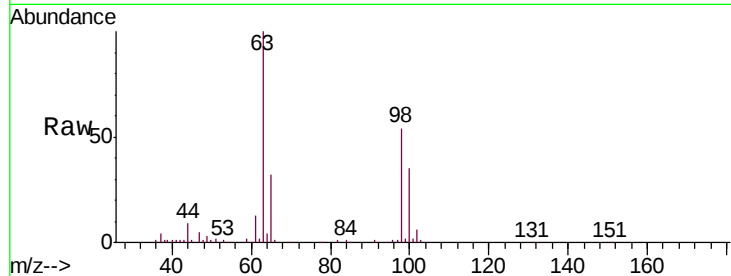
Tgt Ion: 96 Resp: 701

Ion Ratio Lower Upper

96 100

61 908.7 139.9 259.7#

63 6995.3 106.4 197.6#



#14

Carbon disulfide

Concen: 0.043 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV015946.D

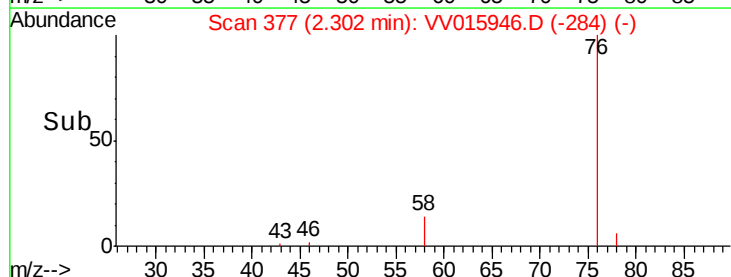
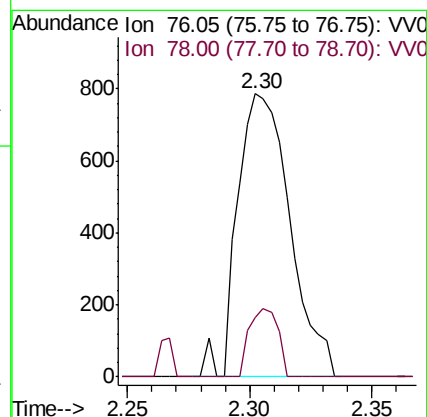
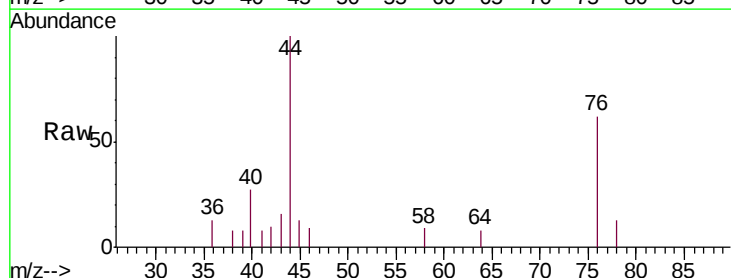
Acq: 07 May 2020 18:17

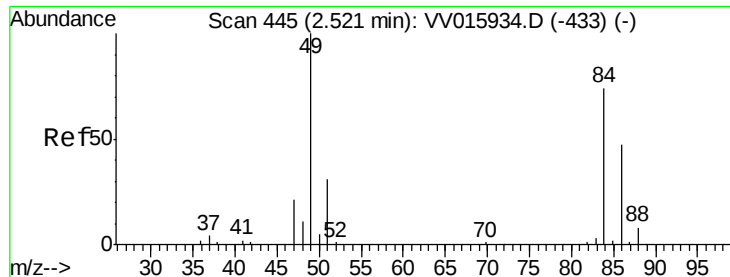
Tgt Ion: 76 Resp: 1171

Ion Ratio Lower Upper

76 100

78 21.0 7.0 10.6#

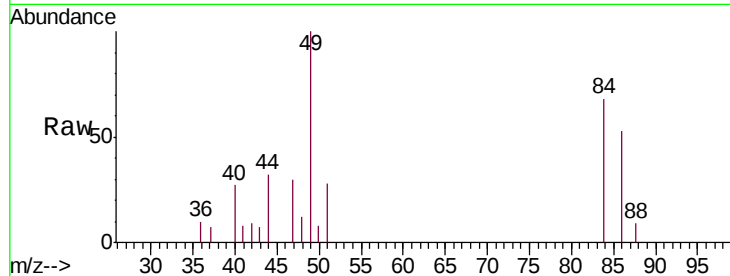




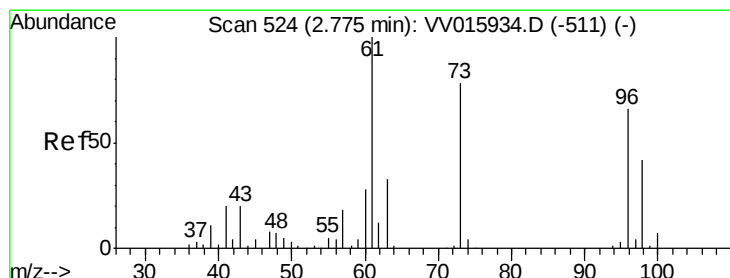
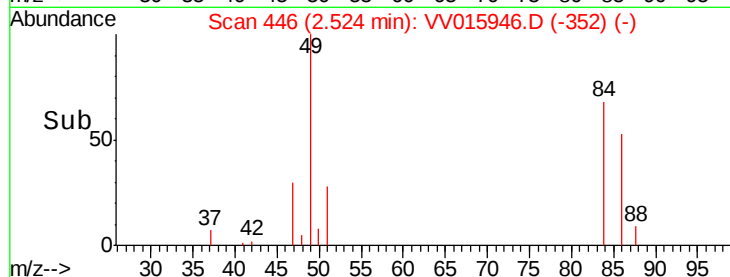
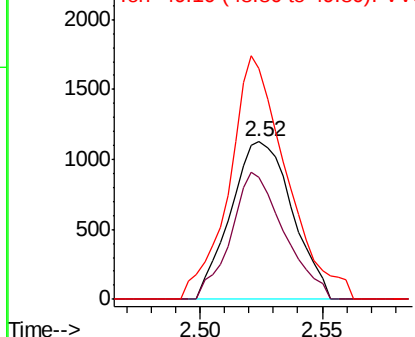
#16
Methylene chloride
Concen: 0.202 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015946.D
Acq: 07 May 2020 18:17

Instrument :
MSVOA_V
ClientSampled :
BFRR8DL

Tgt Ion: 84 Resp: 1977
Ion Ratio Lower Upper
84 100
86 77.7 45.6 84.8
49 146.5 93.6 173.8

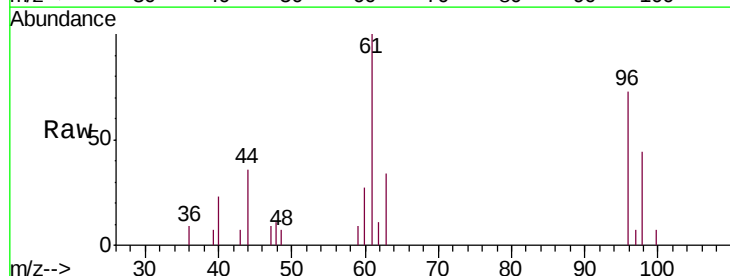


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

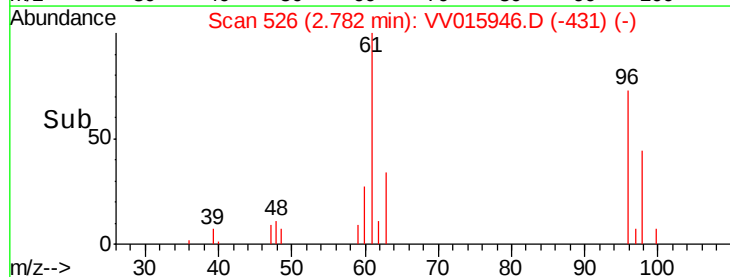
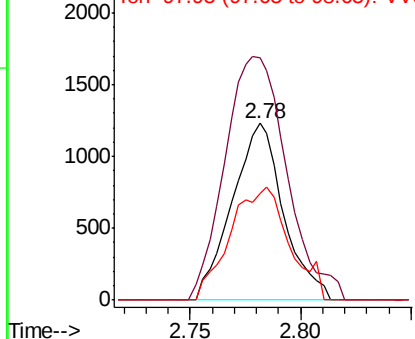


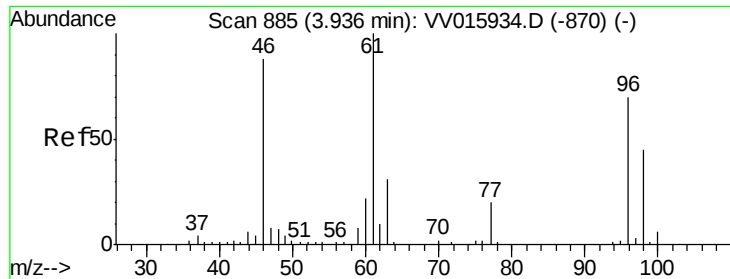
#18
trans-1,2-Dichloroethene
Concen: 0.220 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.01 min
Lab File: VV015946.D
Acq: 07 May 2020 18:17

Tgt Ion: 96 Resp: 1984
Ion Ratio Lower Upper
96 100
61 137.4 105.3 195.5
98 60.0 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0



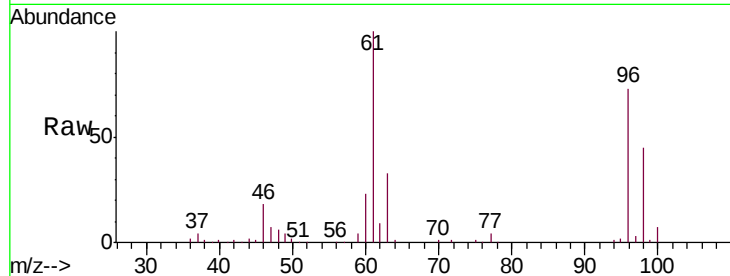


#22

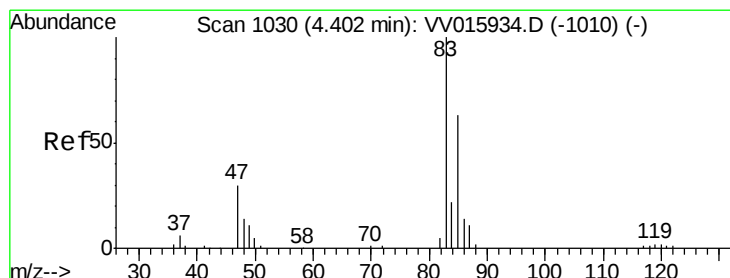
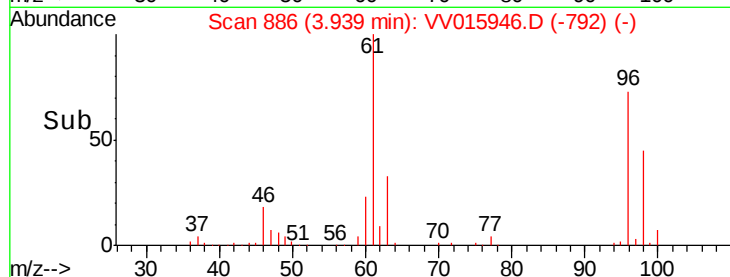
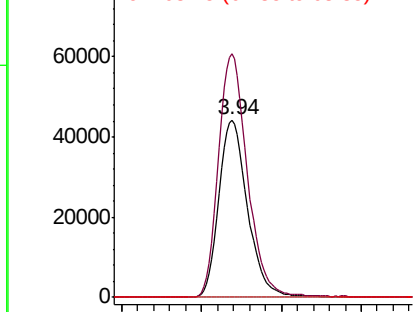
cis-1,2-Dichloroethene
 Concen: 11.579 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV015946.D
 Acq: 07 May 2020 18:17

Instrument :
 MSVOA_V
 ClientSampleId :
 BFRR8DL

Tgt Ion: 96 Resp: 109416
 Ion Ratio Lower Upper
 96 100
 61 137.3 97.2 180.6
 68 0.0 0.0 0.0



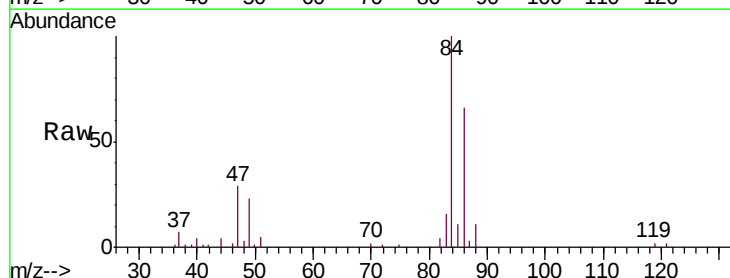
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



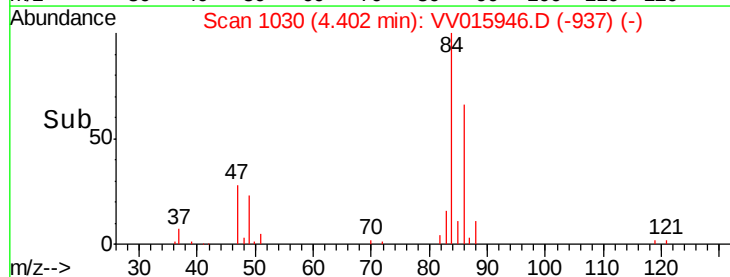
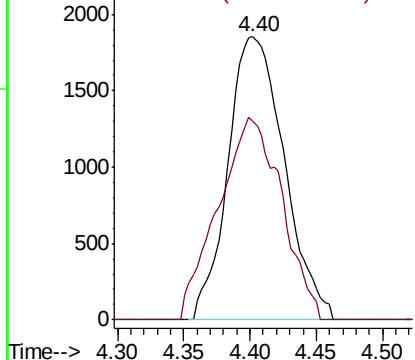
#25

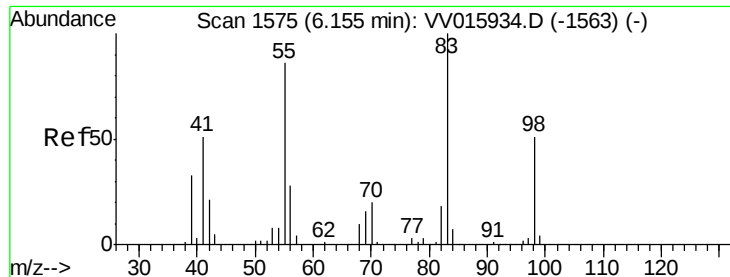
Chloroform
 Concen: 0.286 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VV015946.D
 Acq: 07 May 2020 18:17

Tgt Ion: 83 Resp: 5476
 Ion Ratio Lower Upper
 83 100
 85 70.4 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#35

Methylcyclohexane

Concen: 0.881 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.06 min

Lab File: VV015946.D

Acq: 07 May 2020 18:17

Instrument :

MSVOA_V

ClientSampleId :

BFRR8DL

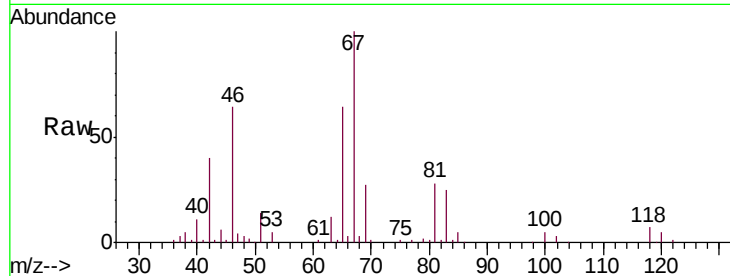
Tgt Ion: 83 Resp: 13708

Ion Ratio Lower Upper

83 100

55 1.2 66.2 99.2#

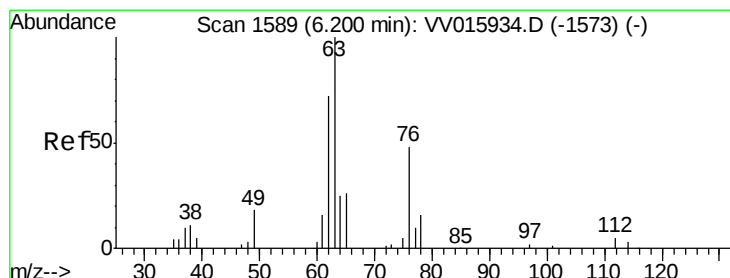
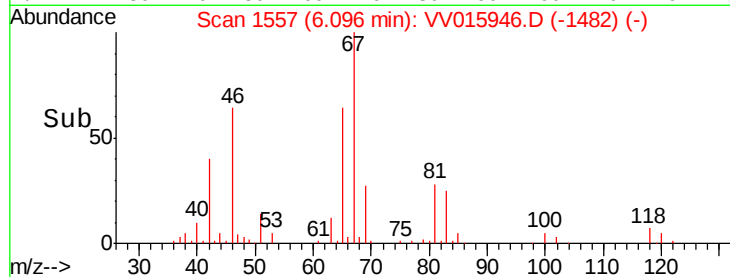
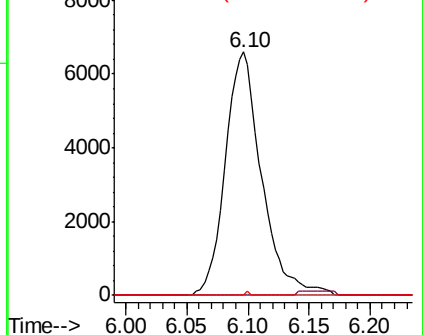
98 0.1 37.9 56.9#



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



#37

1,2-Dichloropropane

Concen: 0.738 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.11 min

Lab File: VV015946.D

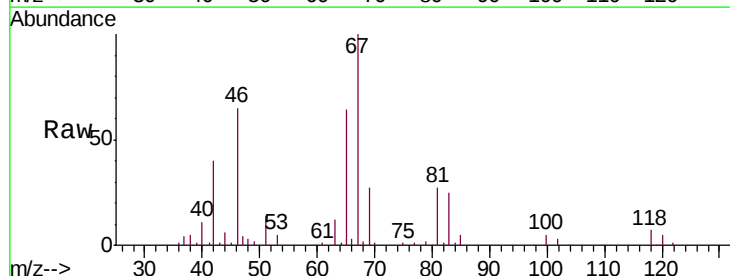
Acq: 07 May 2020 18:17

Tgt Ion: 63 Resp: 6756

Ion Ratio Lower Upper

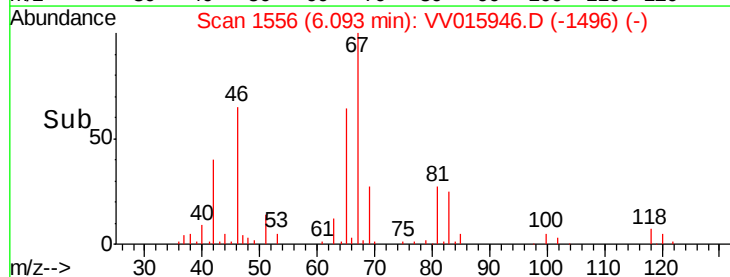
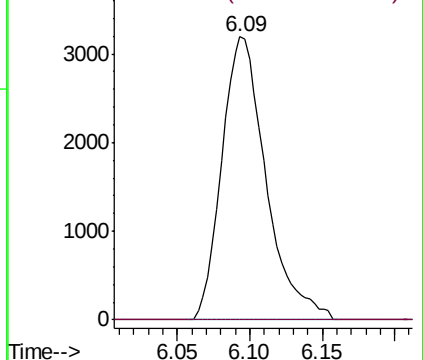
63 100

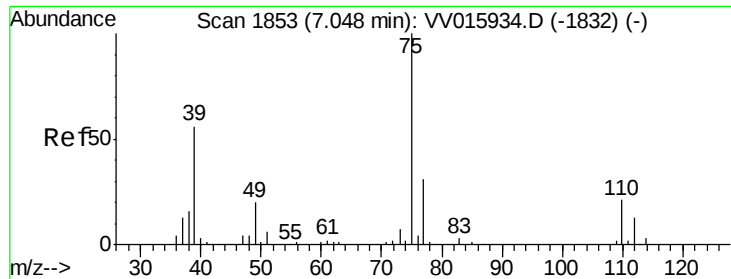
112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V



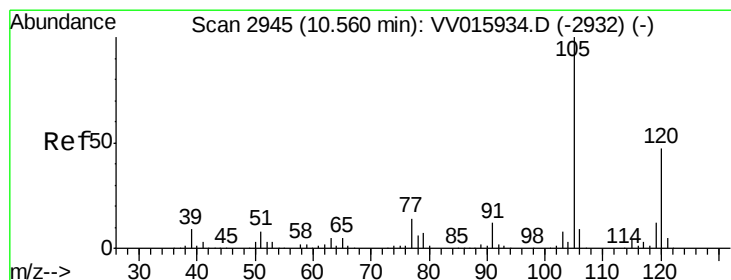
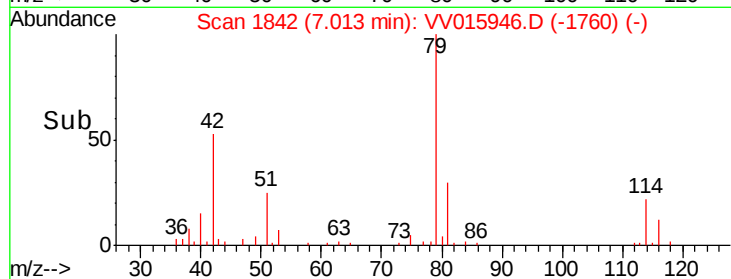
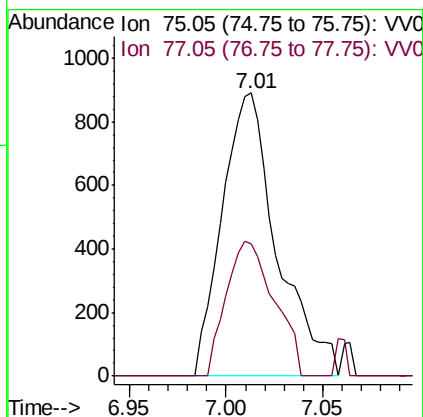
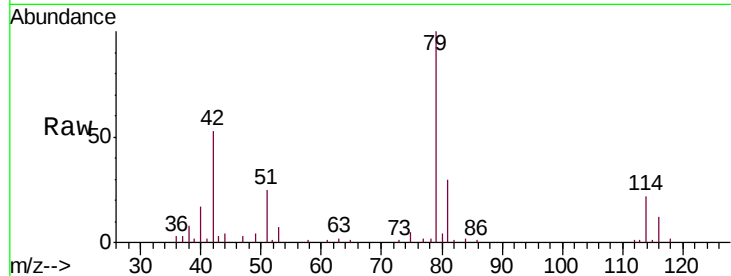


#39

cis-1,3-Dichloropropene
 Concen: 0.136 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV015946.D
 Acq: 07 May 2020 18:17

Instrument :
 MSVOA_V
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 BFRR8DL

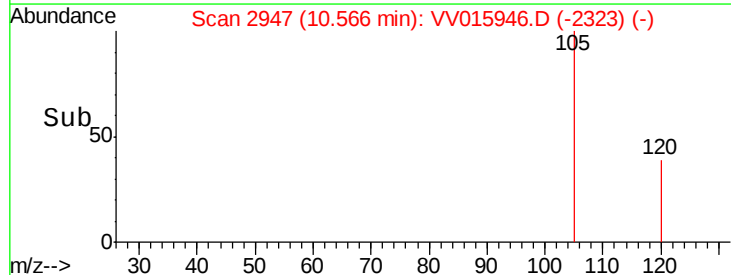
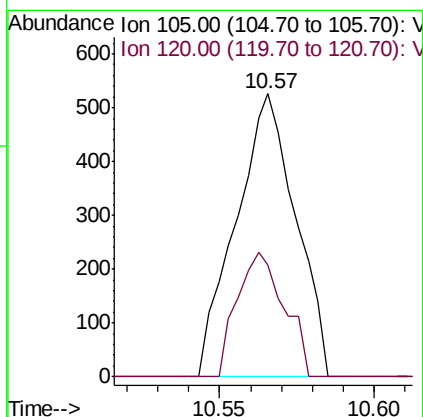
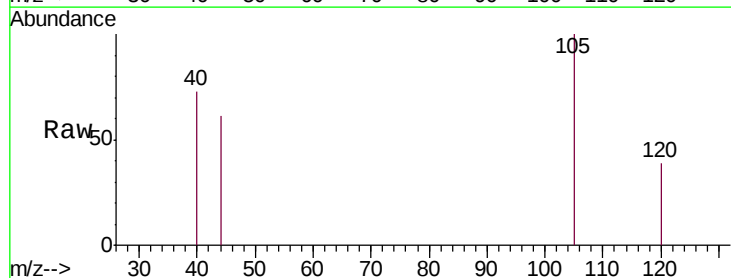
Tgt Ion: 75 Resp: 1762
 Ion Ratio Lower Upper
 75 100
 77 46.6 21.3 39.5#

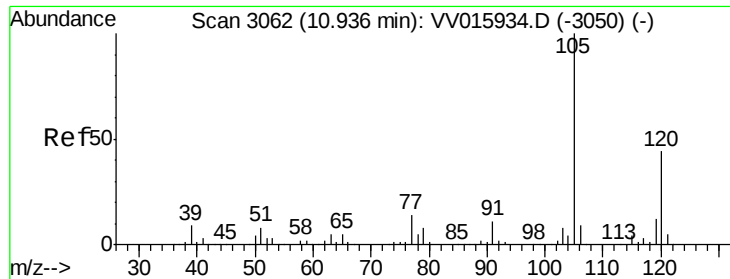


#43

1,3,5-Trimethylbenzene
 Concen: 0.020 ug/L
 RT: 10.57 min Scan# 2947
 Delta R.T. 0.01 min
 Lab File: VV015946.D
 Acq: 07 May 2020 18:17

Tgt Ion: 105 Resp: 706
 Ion Ratio Lower Upper
 105 100
 120 34.6 0.0 0.0#

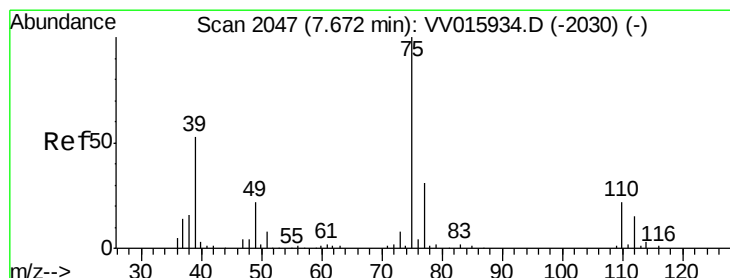
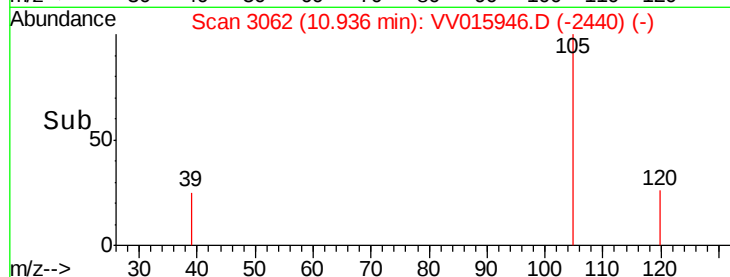
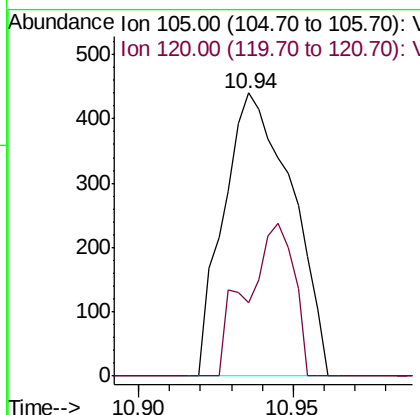
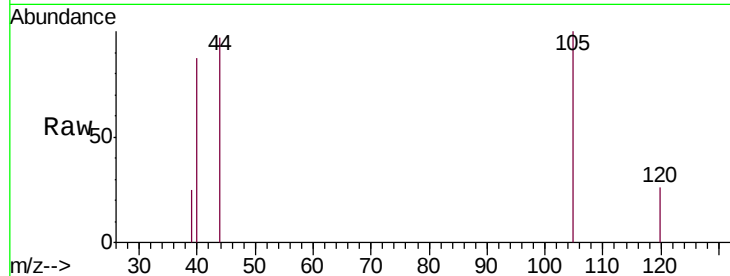




#44
 1,2,4-Trimethylbenzene
 Concen: 0.019 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV015946.D
 Acq: 07 May 2020 18:17

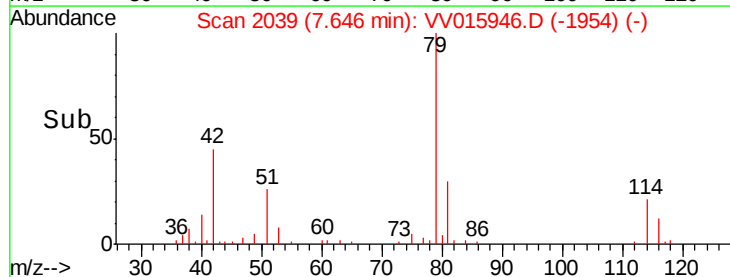
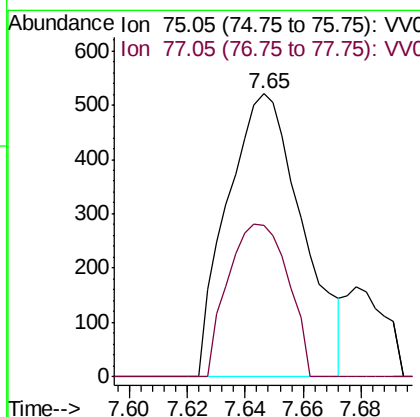
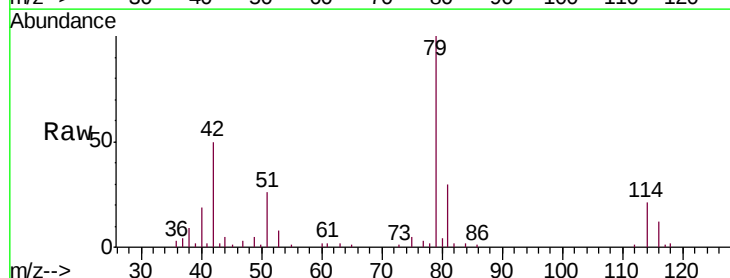
Instrument :
 MSVOA_V
 ClientSampleId :
 BFRR8DL

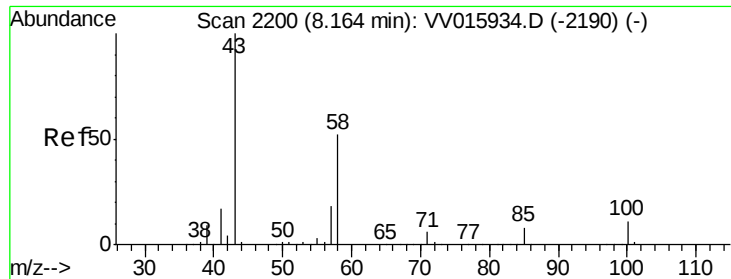
Tgt Ion: 105 Resp: 675
 Ion Ratio Lower Upper
 105 100
 120 37.8 0.0 0.0#



#46
 trans-1,3-Dichloropropene
 Concen: 0.086 ug/L
 RT: 7.65 min Scan# 2039
 Delta R.T. -0.03 min
 Lab File: VV015946.D
 Acq: 07 May 2020 18:17

Tgt Ion: 75 Resp: 935
 Ion Ratio Lower Upper
 75 100
 77 53.4 21.3 39.6#

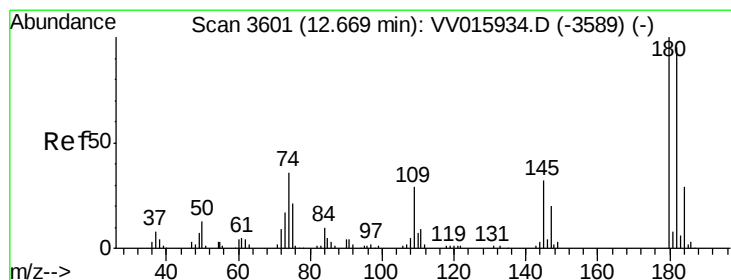
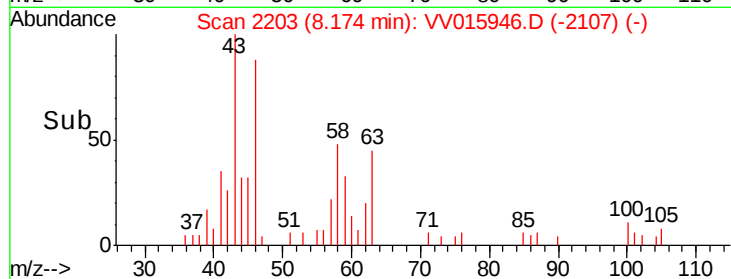
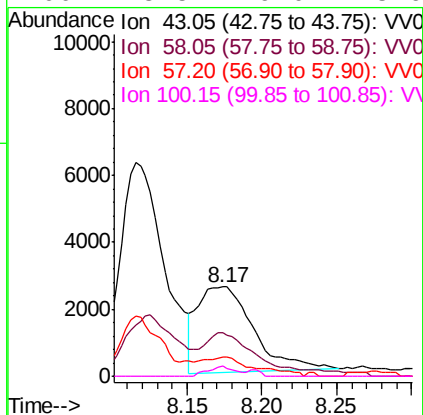
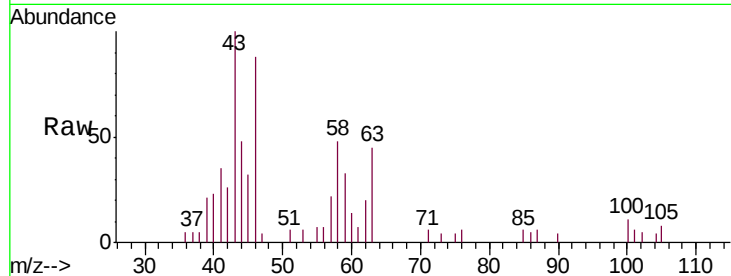




#50
2-Hexanone
Concen: 1.647 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. 0.01 min
Lab File: VV015946.D
Acq: 07 May 2020 18:17

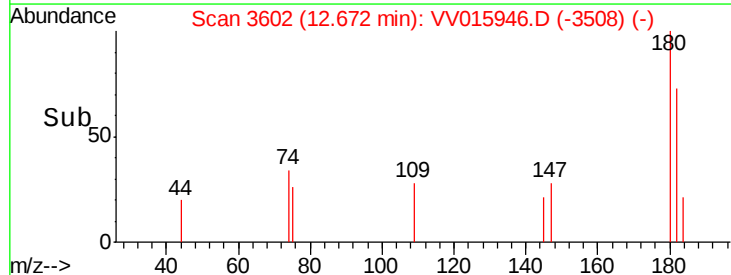
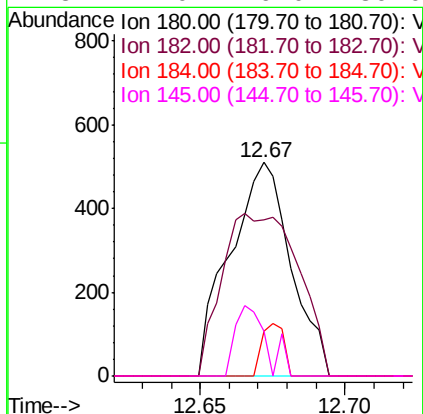
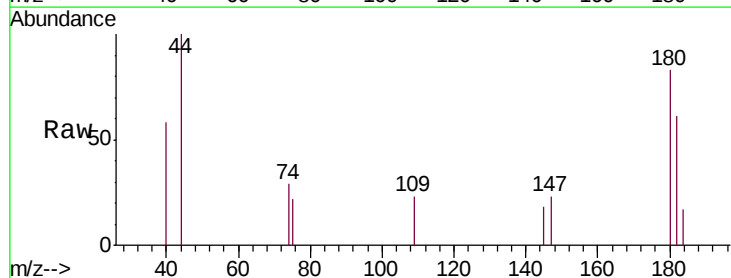
Instrument :
MSVOA_V
ClientSampled :
BFRR8DL

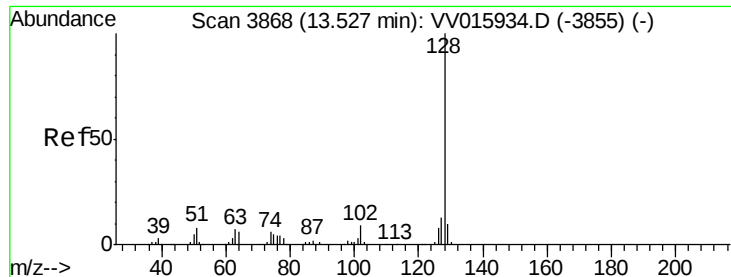
Tgt Ion: 43 Resp: 6648
Ion Ratio Lower Upper
43 100
58 38.5 40.8 61.2#
57 16.8 14.7 22.1
100 5.5 9.0 13.6#



#68
1,3,5-Trichlorobenzene
Concen: 0.056 ug/L
RT: 12.67 min Scan# 3602
Delta R.T. 0.00 min
Lab File: VV015946.D
Acq: 07 May 2020 18:17

Tgt Ion: 180 Resp: 748
Ion Ratio Lower Upper
180 100
182 94.8 75.8 113.6
184 8.8 24.6 36.8#
145 17.0 26.0 39.0#

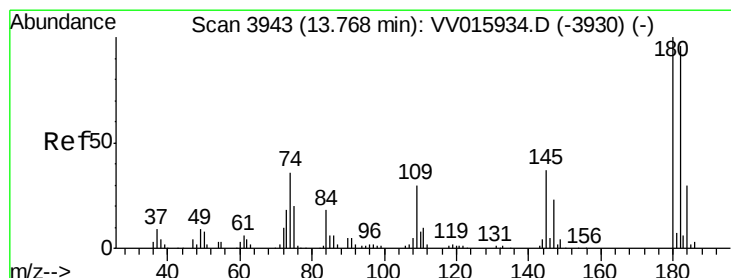
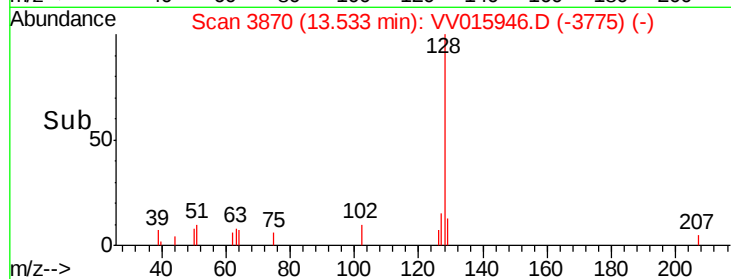
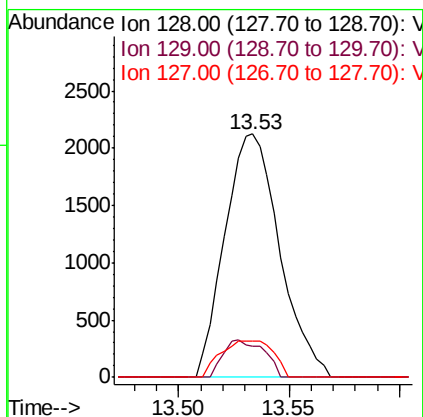
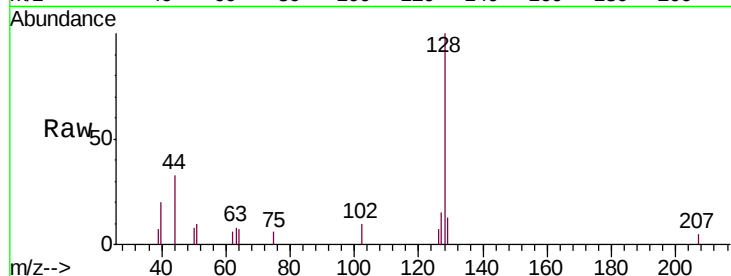




#70
Naphthalene
Concen: 0.199 ug/L
RT: 13.53 min Scan# 3870
Delta R.T. 0.01 min
Lab File: VV015946.D
Acq: 07 May 2020 18:17

Instrument :
MSVOA_V
ClientSampled :
BFRR8DL

Tgt Ion:128 Resp: 3651
Ion Ratio Lower Upper
128 100
129 11.4 8.5 12.7
127 14.4 10.2 15.2



#71
1,2,3-Trichlorobenzene
Concen: 0.109 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. -0.00 min
Lab File: VV015946.D
Acq: 07 May 2020 18:17

Tgt Ion:180 Resp: 1107
Ion Ratio Lower Upper
180 100
182 82.1 77.0 115.6
145 30.4 28.3 42.5

