

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032620\
 Data File : VV015191.D
 Acq On : 27 Mar 2020 01:51
 Operator : SY/MD
 Sample : L1976-08
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 27 03:41:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 27 03:08:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	563488	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	533663	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	215229	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	141336	46.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.50%
7) Chloroethane-d5	1.58	69	145844	47.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.70%
11) 1,1-Dichloroethene-d2	2.12	63	222630	32.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.58%
21) 2-Butanone-d5	3.93	46	260105	86.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.41%
24) Chloroform-d	4.38	84	304073	45.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.78%
26) 1,2-Dichloroethane-d4	5.06	65	208810	47.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.48%
32) Benzene-d6	5.08	84	577257	52.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.18%
36) 1,2-Dichloropropane-d6	6.10	67	194841	49.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.42%
41) Toluene-d8	7.34	98	517555	52.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.06%
43) trans-1,3-Dichloropropene-	7.64	79	68849	31.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.86%
47) 2-Hexanone-d5	8.12	63	194012	83.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.79%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	296571	44.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	185602	46.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.38%

Target Compounds

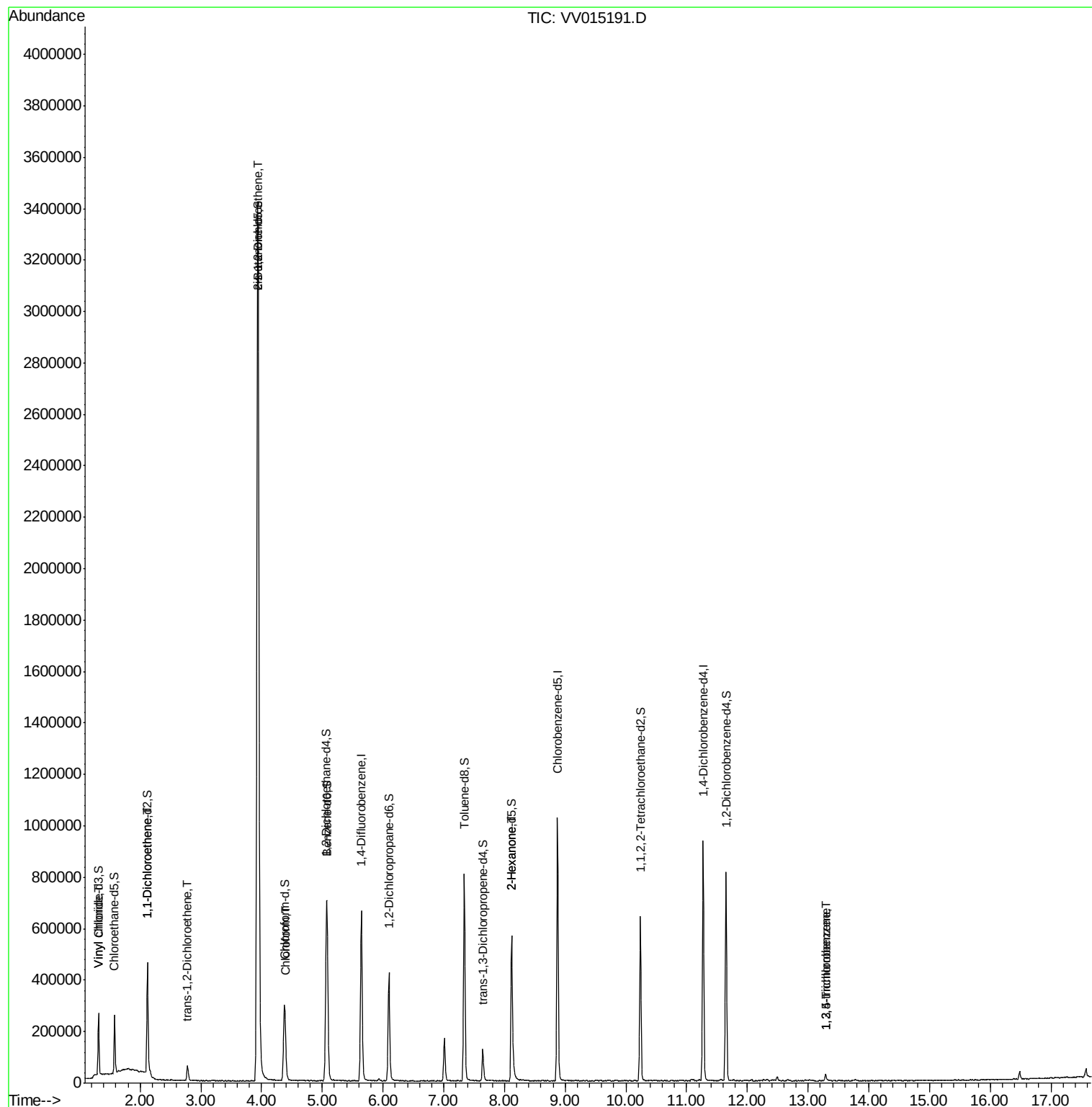
					Ovalue
5) Vinyl chloride	1.32	62	7988	1.444 ug/L #	53
12) 1,1-Dichloroethene	2.13	96	4016	0.884 ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	22556	5.711 ug/L	93
20) cis-1,2-Dichloroethene	3.94	96	1840318	418.291 ug/L #	98
25) Chloroform	4.40	83	9535	1.269 ug/L	90
48) 2-Hexanone	8.12	43	25627	5.298 ug/L #	93
67) 1,3,5-Trichlorobenzene	13.29	180	5962	1.291 ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	5962	1.354 ug/L	98

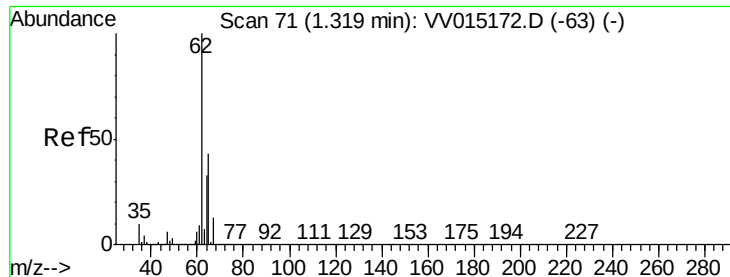
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 27 03:08:32 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.444 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015191.D

Acq: 27 Mar 2020 01:51

Instrument :

MSVOA_V

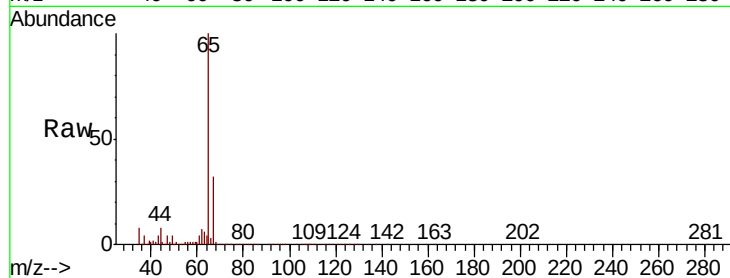
ClientSampleId :

Tot Ion: 62 Resp: 7988

Ion Ratio Lower Upper

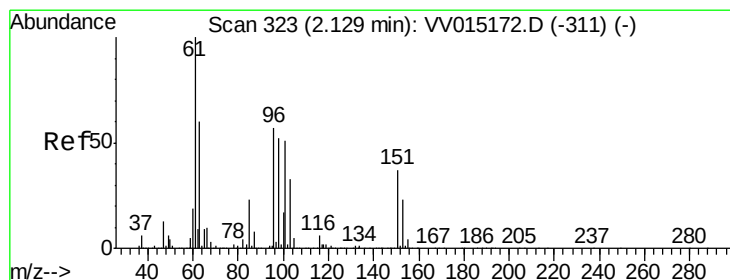
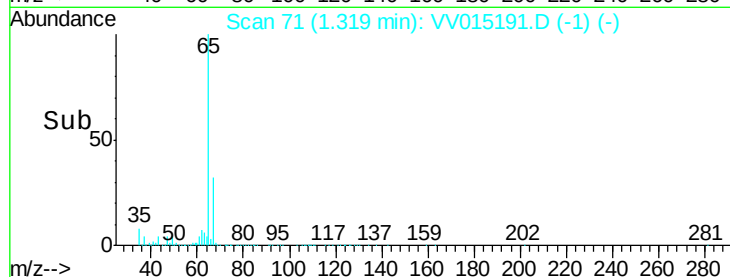
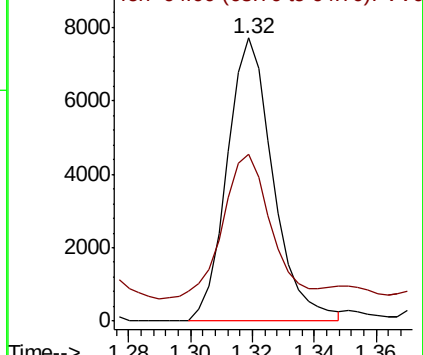
62 100

64 58.8 22.8 42.4#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#12

1,1-Dichloroethene

Concen: 0.884 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015191.D

Acq: 27 Mar 2020 01:51

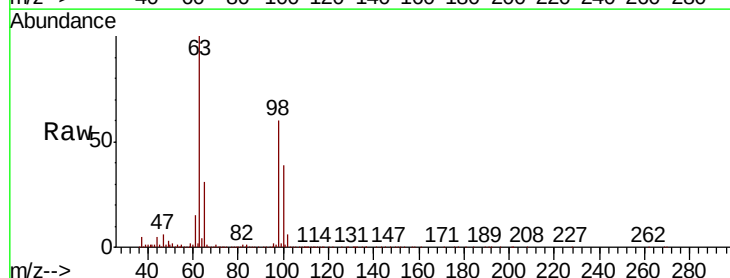
Tgt Ion: 96 Resp: 4016

Ion Ratio Lower Upper

96 100

61 780.0 122.3 227.1#

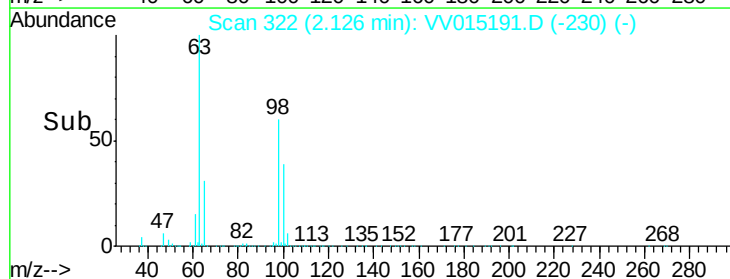
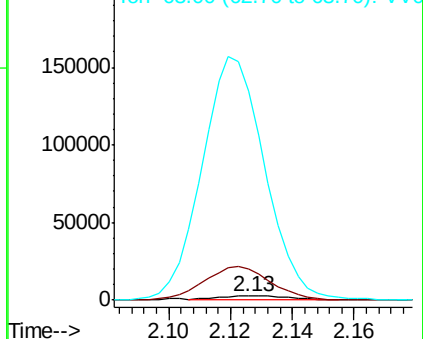
63 5167.7 67.9 126.1#

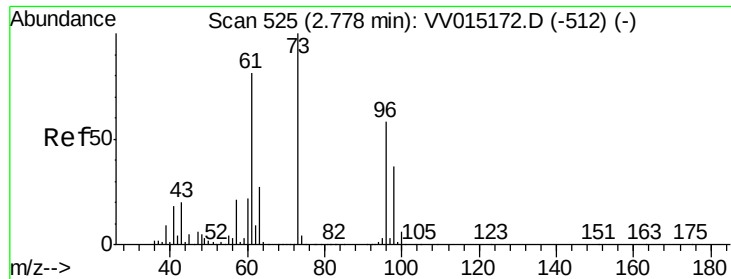


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 5.711 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV015191.D

Acq: 27 Mar 2020 01:51

Instrument :
MSVOA_V
ClientSampleId :

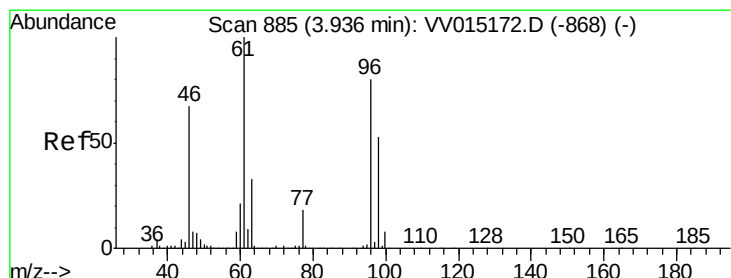
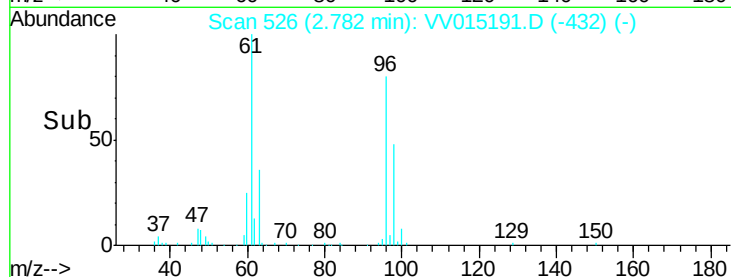
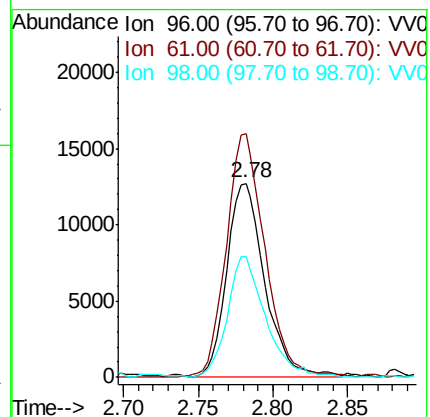
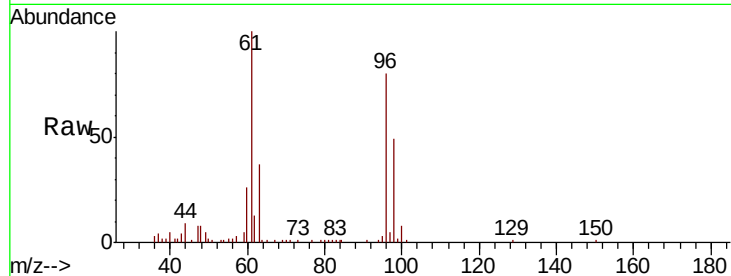
Tot Ion: 96 Resp: 22556

Ion Ratio Lower Upper

96 100

61 125.4 96.4 179.0

98 61.9 43.8 81.4



#20

cis-1,2-Dichloroethene

Concen: 418.291 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV015191.D

Acq: 27 Mar 2020 01:51

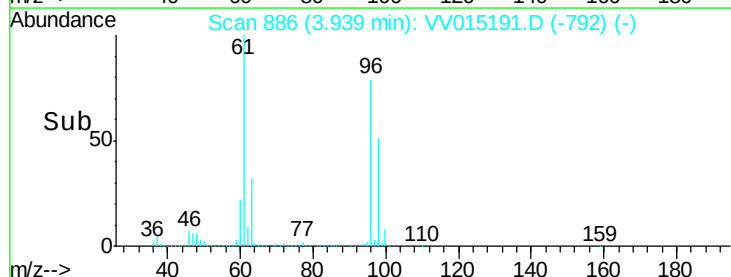
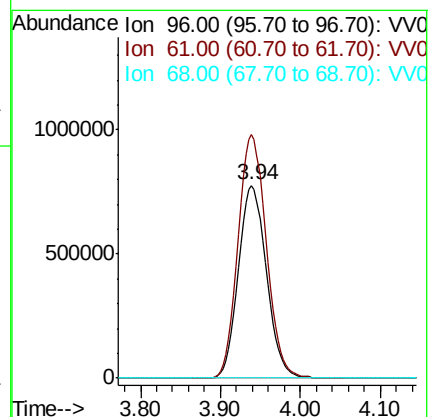
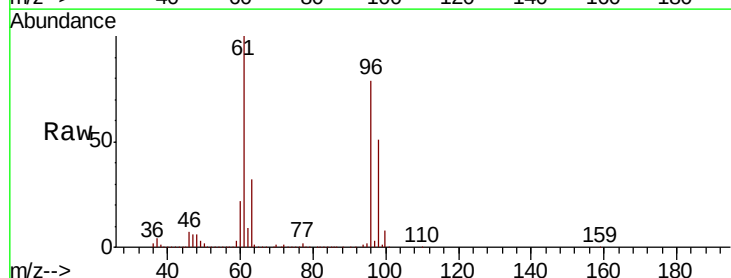
Tgt Ion: 96 Resp: 1840318

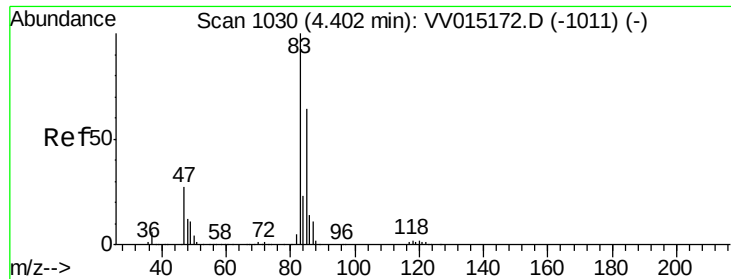
Ion Ratio Lower Upper

96 100

61 126.4 90.2 167.4

68 0.0 0.1 0.3#

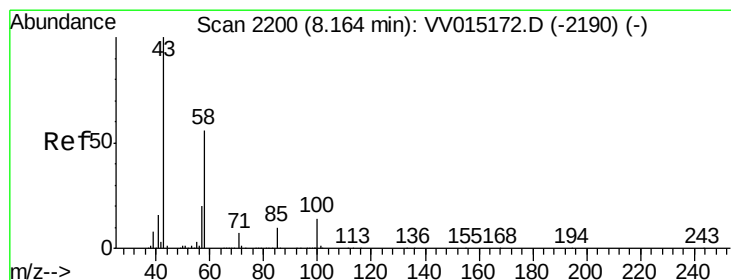
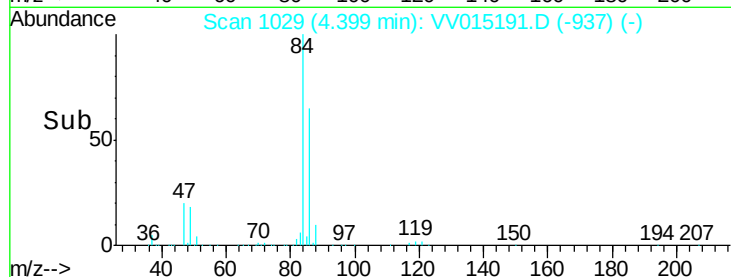
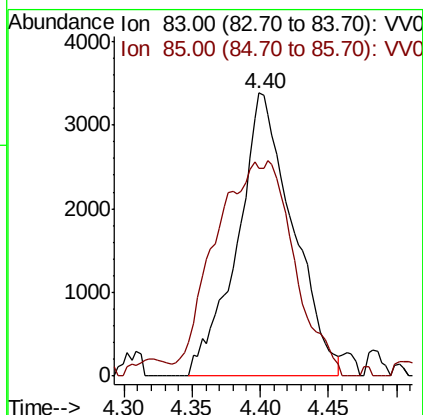
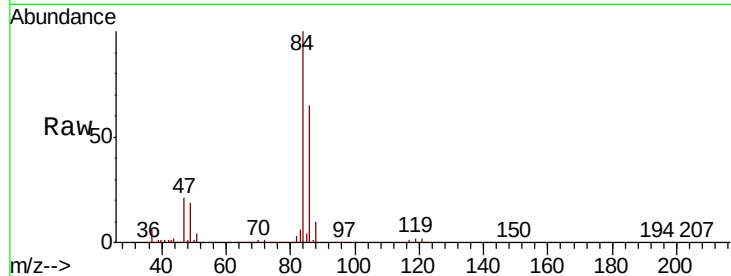




#25
Chloroform
Concen: 1.269 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV015191.D
Acq: 27 Mar 2020 01:51

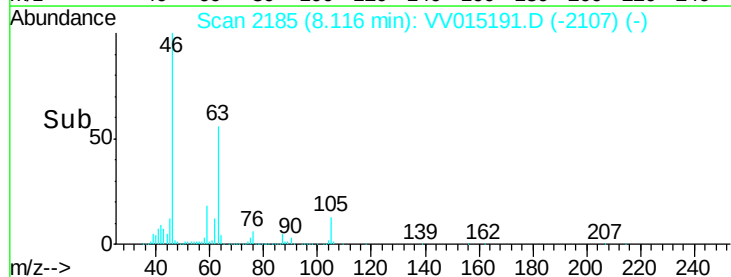
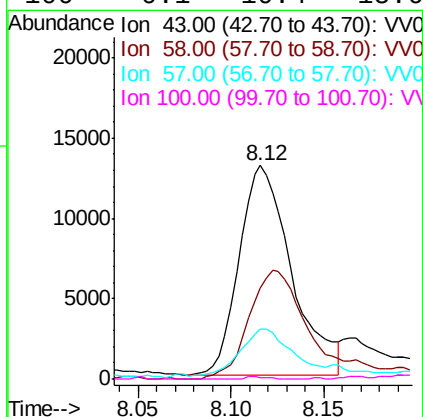
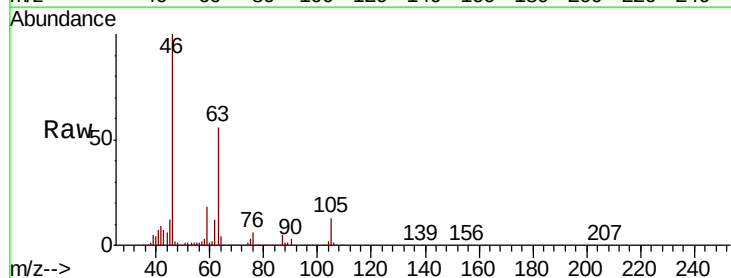
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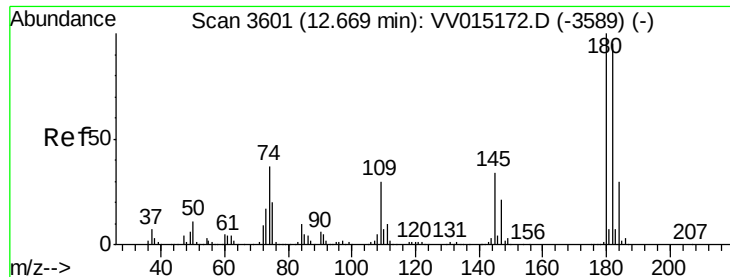
Tot Ion: 83 Resp: 9535
Ion Ratio Lower Upper
83 100
85 73.7 46.2 85.8



#48
2-Hexanone
Concen: 5.298 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV015191.D
Acq: 27 Mar 2020 01:51

Tgt Ion: 43 Resp: 25627
Ion Ratio Lower Upper
43 100
58 56.2 44.3 66.5
57 22.4 15.4 23.0
100 0.1 10.4 15.6#

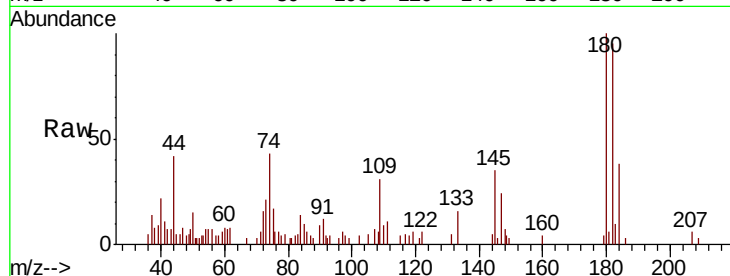




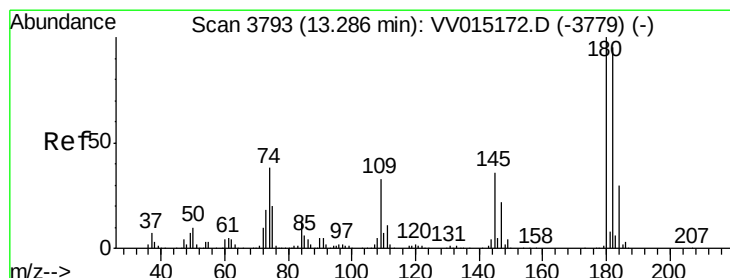
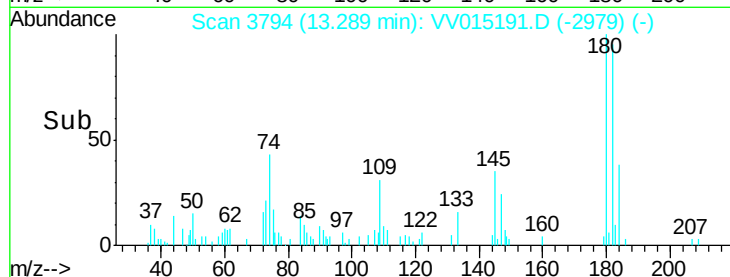
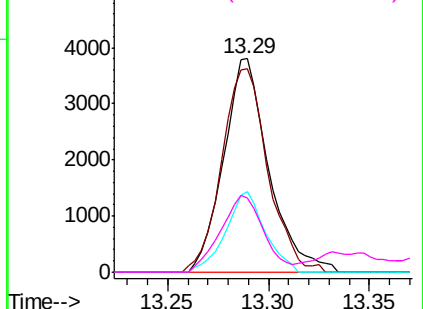
#67
 1,3,5-Trichlorobenzene
 Concen: 1.291 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.62 min
 Lab File: VV015191.D
 Acq: 27 Mar 2020 01:51

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 5962
 Ion Ratio Lower Upper
 180 100
 182 96.8 76.6 114.8
 184 32.7 24.2 36.4
 145 34.1 27.6 41.4

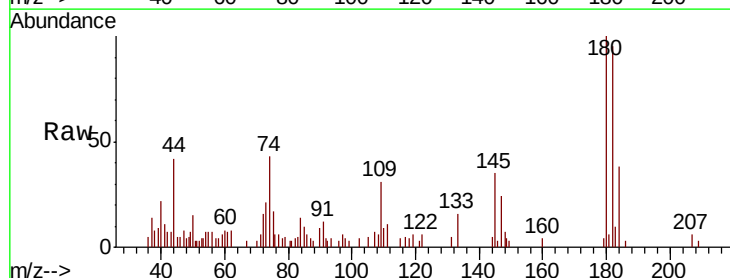


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 1.354 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.00 min
 Lab File: VV015191.D
 Acq: 27 Mar 2020 01:51

Tgt Ion:180 Resp: 5962
 Ion Ratio Lower Upper
 180 100
 182 96.8 75.2 112.8
 145 34.1 27.5 41.3



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

