

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112719\
 Data File : VV013825.D
 Acq On : 27 Nov 2019 15:37
 Operator : SY/MD
 Sample : K6003-07
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 28 02:57:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 28 02:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	339262	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	322619	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	145331	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	65503	3.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.40%
7) Chloroethane-d5	1.58	69	67560	3.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.80%
11) 1,1-Dichloroethene-d2	2.13	63	118340	3.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.00%
20) 2-Butanone-d5	3.93	46	168084	38.51	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	77.02%
24) Chloroform-d	4.40	84	156493	3.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.00%
26) 1,2-Dichloroethane-d4	5.08	65	83198	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.60%
32) Benzene-d6	5.10	84	309343	3.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.40%
36) 1,2-Dichloropropane-d6	6.11	67	97364	3.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.60%
41) Toluene-d8	7.36	98	251308	3.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	64.40%#
43) trans-1,3-Dichloropropene-	7.66	79	29298	3.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	60.60%
46) 2-Hexanone-d5	8.13	63	116349	32.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	65.34%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	72290	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	109373	4.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.20%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	31174	1.538	ug/L # 70
8) Chloroethane	1.60	64	10572	0.866	ug/L # 81
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1464	0.078	ug/L # 26
12) 1,1-Dichloroethene	2.14	96	43317	2.656	ug/L 99
13) Acetone	2.19	43	30292	9.923	ug/L # 57
14) Carbon disulfide	2.32	76	17618	0.468	ug/L 98
16) Methylene chloride	2.54	84	5824	0.261	ug/L 88
17) Methyl tert-butyl Ether	2.80	73	30255	0.678	ug/L 98
19) 1,1-Dichloroethane	3.23	63	81725	2.223	ug/L 99
21) 2-Butanone	4.01	43	181407	39.316	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	31362	1.452	ug/L 97
25) Chloroform	4.43	83	11704	0.300	ug/L 85
34) Trichloroethene	5.96	95	45137	2.068	ug/L 97
35) Methylcyclohexane	6.11	83	24907	0.855	ug/L # 20
37) 1,2-Dichloropropane	6.23	63	3306	0.163	ug/L # 94

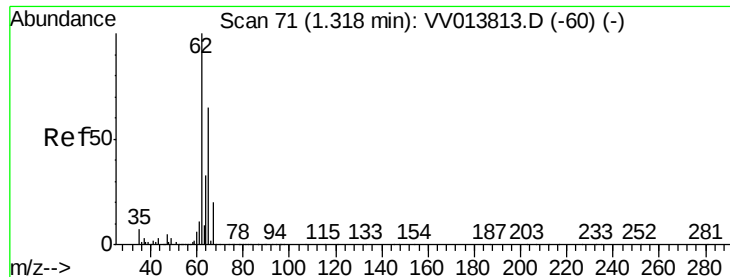
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112719\
Data File : VV013825.D
Acq On : 27 Nov 2019 15:37
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 28 02:51:59 2019
Response via : Initial Calibration

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

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



#5

Vinyl chloride

Concen: 1.538 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013825.D

Acq: 27 Nov 2019 15:37

Instrument :

MSVOA_V

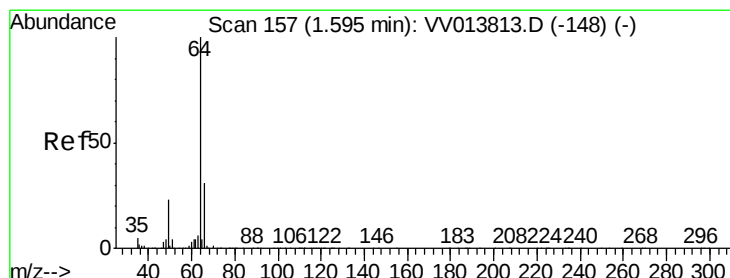
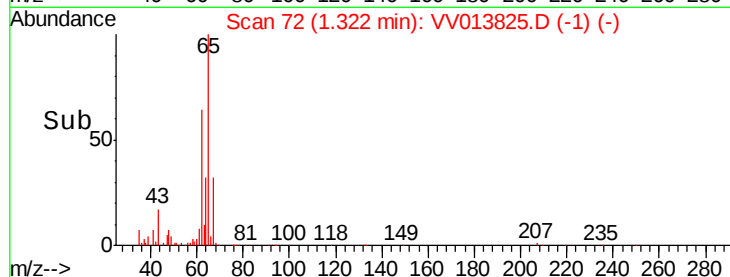
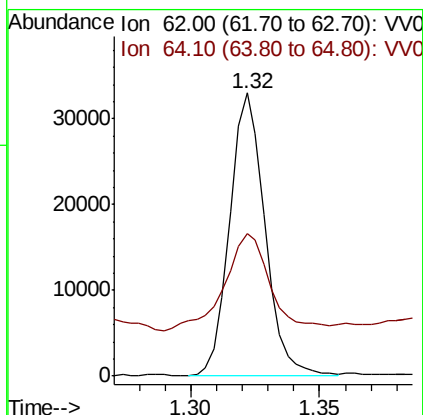
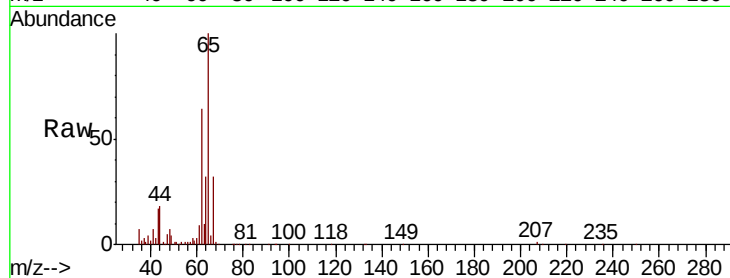
ClientSampleId :

Tot Ion: 62 Resp: 31174

Ion Ratio Lower Upper

62 100

64 50.6 23.3 43.3#



#8

Chloroethane

Concen: 0.866 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013825.D

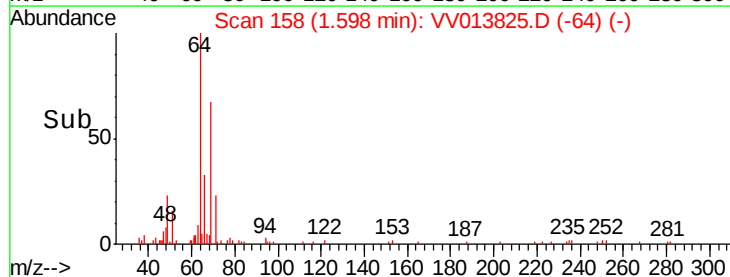
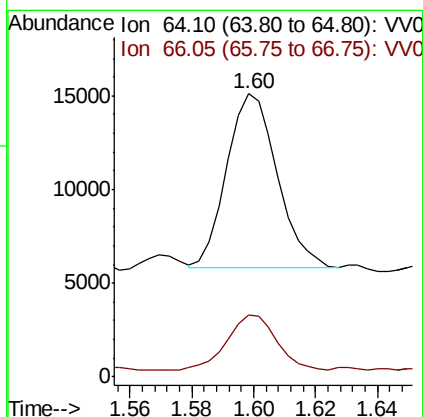
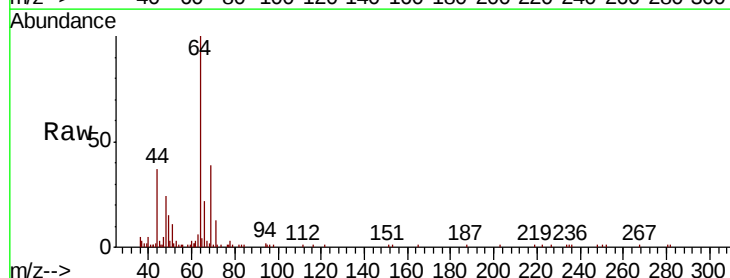
Acq: 27 Nov 2019 15:37

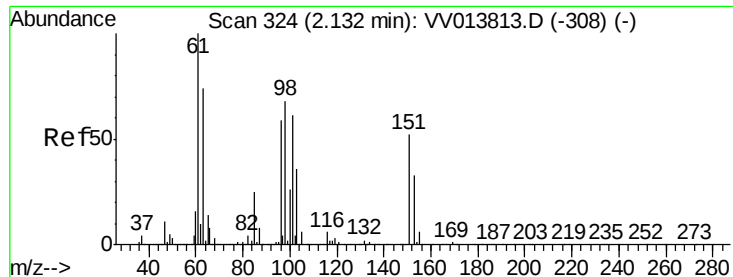
Tgt Ion: 64 Resp: 10572

Ion Ratio Lower Upper

64 100

66 21.9 22.6 42.0#





#10

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

Concen: 0.078 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV013825.D

Acq: 27 Nov 2019 15:37

Instrument :

MSVOA_V

ClientSampleId :

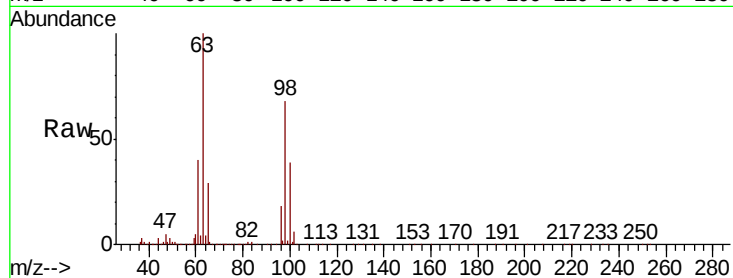
Tot Ion:101 Resp: 1464

Ion Ratio Lower Upper

101 100

85 0.0 33.4 50.0#

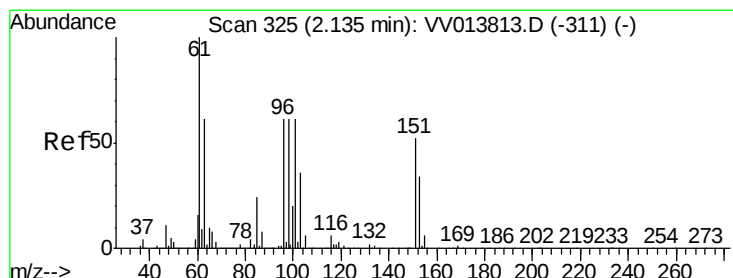
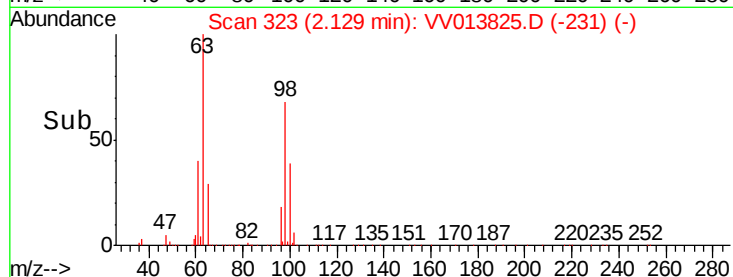
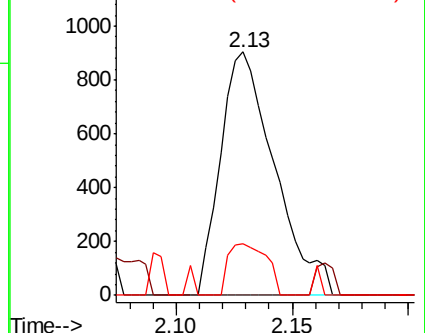
151 15.0 69.4 104.0#



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: 2.656 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.01 min

Lab File: VV013825.D

Acq: 27 Nov 2019 15:37

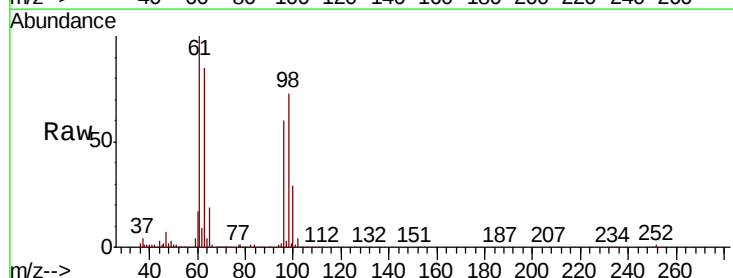
Tgt Ion: 96 Resp: 43317

Ion Ratio Lower Upper

96 100

61 165.7 116.3 215.9

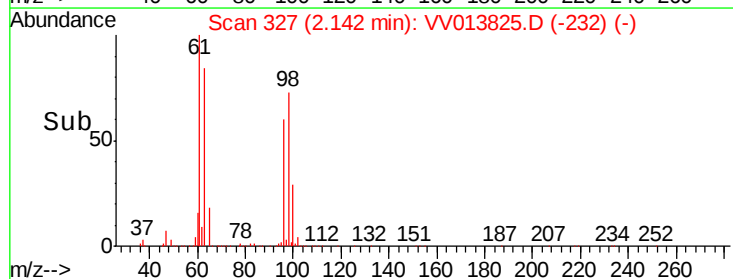
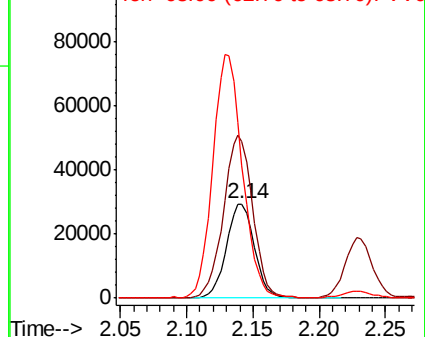
63 140.5 96.7 179.7

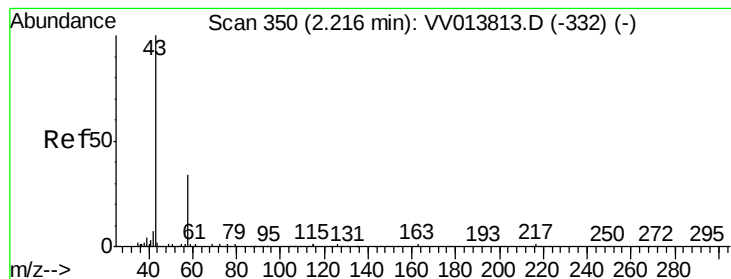


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 9.923 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.03 min

Lab File: VV013825.D

Acq: 27 Nov 2019 15:37

Instrument :

MSVOA_V

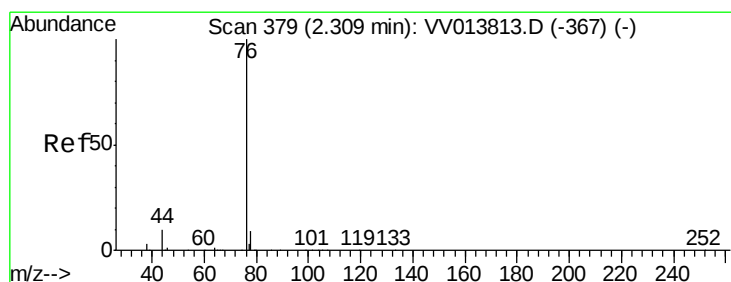
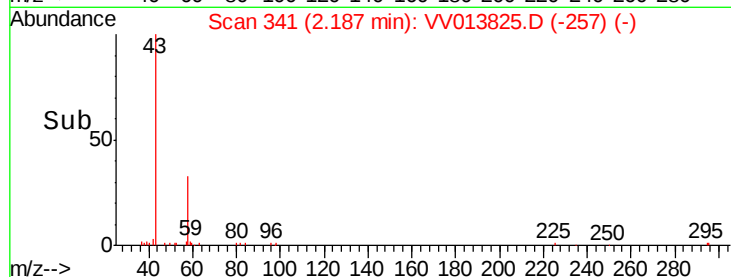
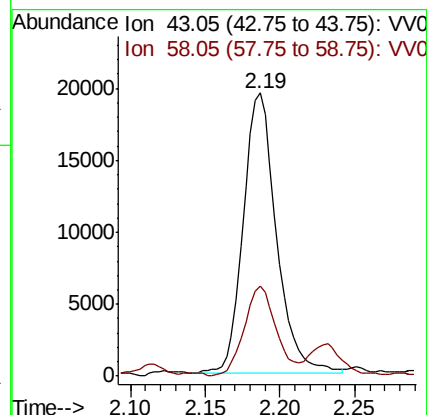
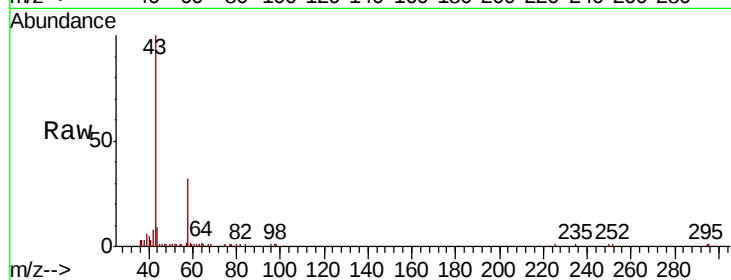
ClientSampleId :

Tot Ion: 43 Resp: 30292

Ion Ratio Lower Upper

43 100

58 31.0 0.0 27.2#



#14

Carbon disulfide

Concen: 0.468 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.01 min

Lab File: VV013825.D

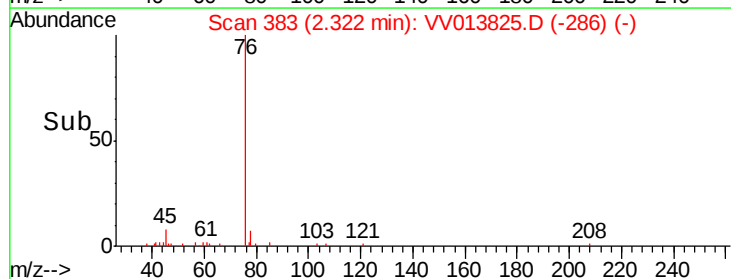
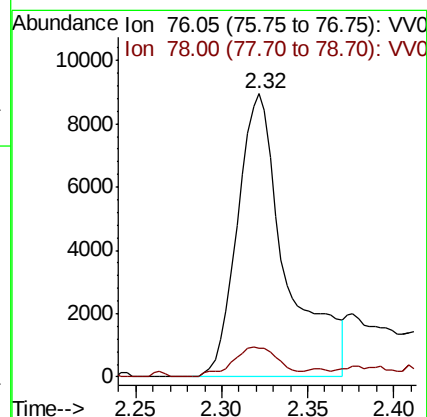
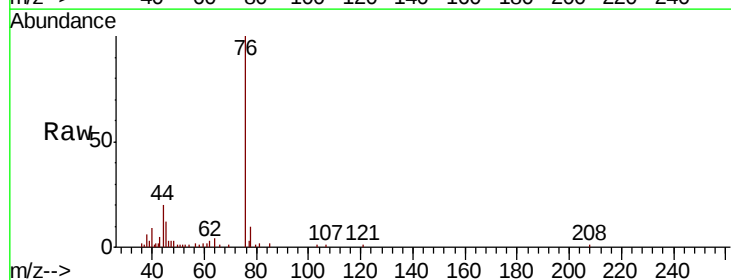
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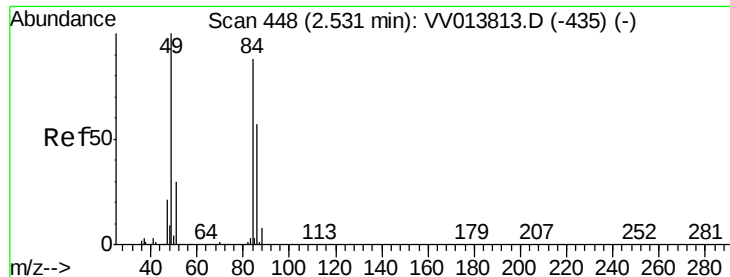
Tgt Ion: 76 Resp: 17618

Ion Ratio Lower Upper

76 100

78 10.3 7.5 11.3

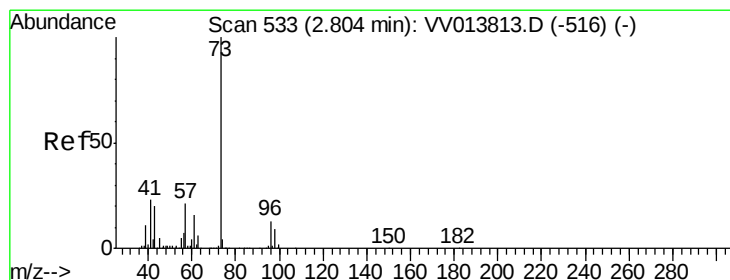
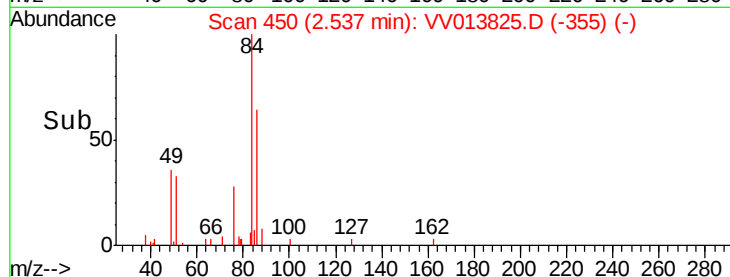
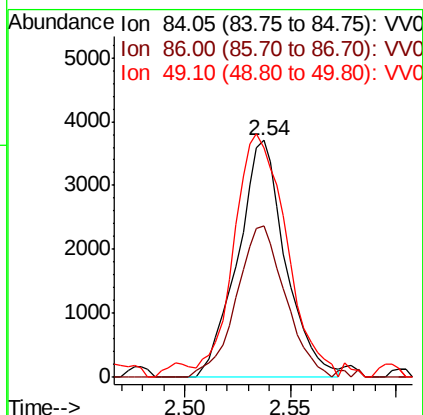
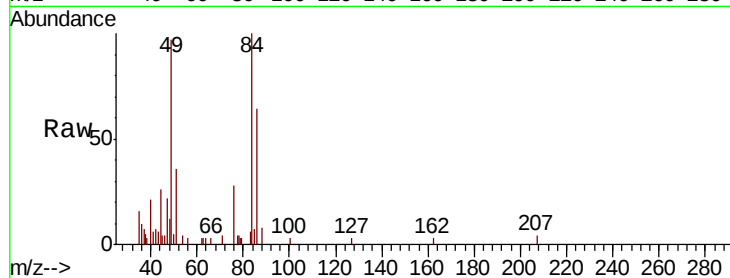




#16
Methylene chloride
Concen: 0.261 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.01 min
Lab File: VV013825.D
Acq: 27 Nov 2019 15:37

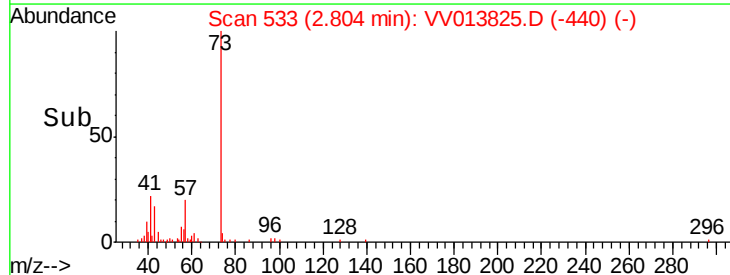
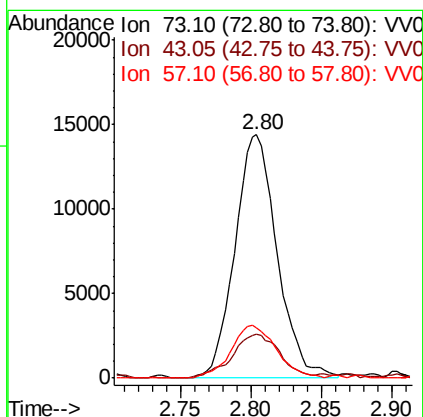
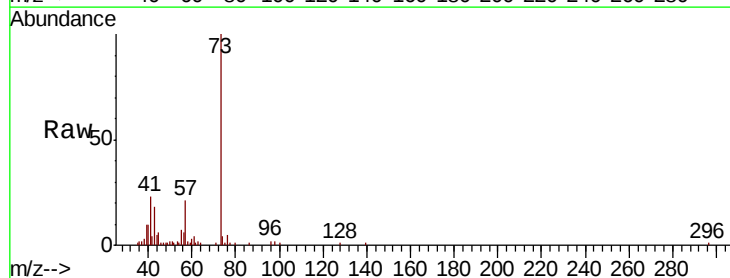
Instrument :
MSVOA_V
ClientSampleId :

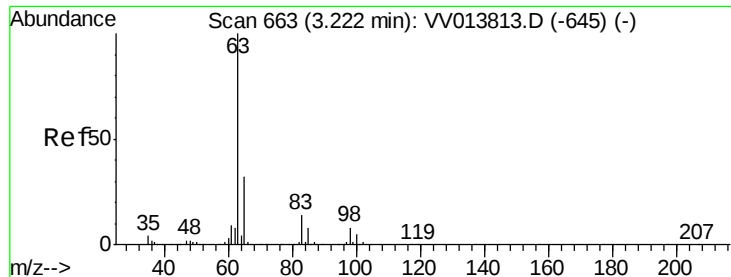
Tot Ion: 84 Resp: 5824
Ion Ratio Lower Upper
84 100
86 63.8 44.0 81.6
49 96.7 81.5 151.5



#17
Methyl tert-butyl Ether
Concen: 0.678 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV013825.D
Acq: 27 Nov 2019 15:37

Tgt Ion: 73 Resp: 30255
Ion Ratio Lower Upper
73 100
43 20.3 15.5 23.3
57 23.2 17.5 26.3

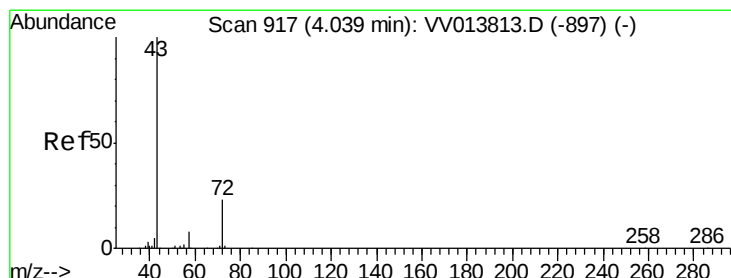
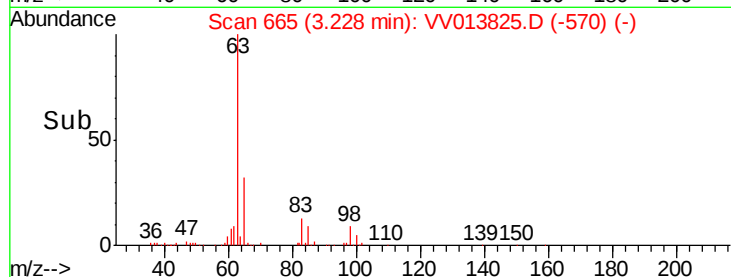
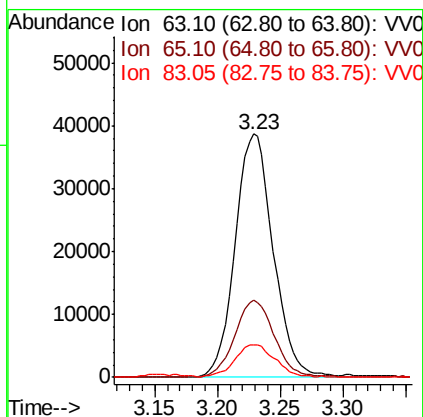
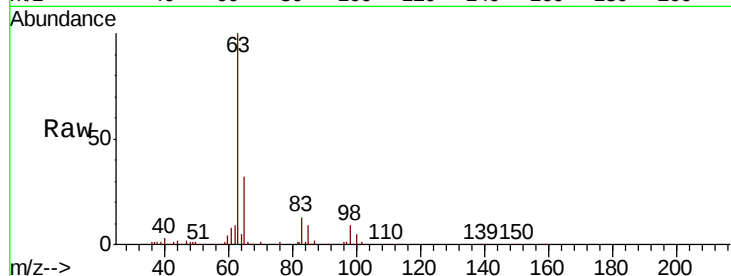




#19
 1,1-Dichloroethane
 Concen: 2.223 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.01 min
 Lab File: VV013825.D
 Acq: 27 Nov 2019 15:37

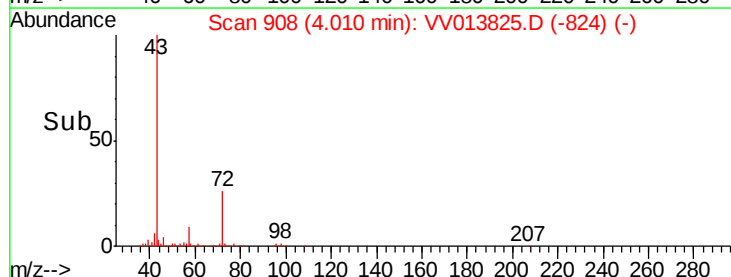
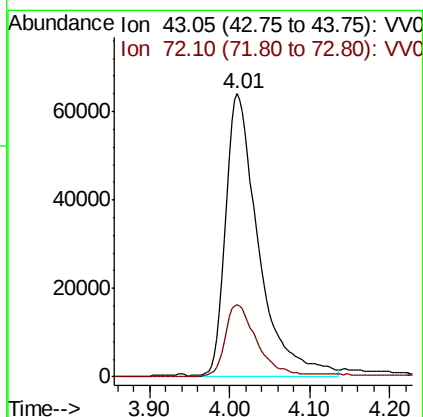
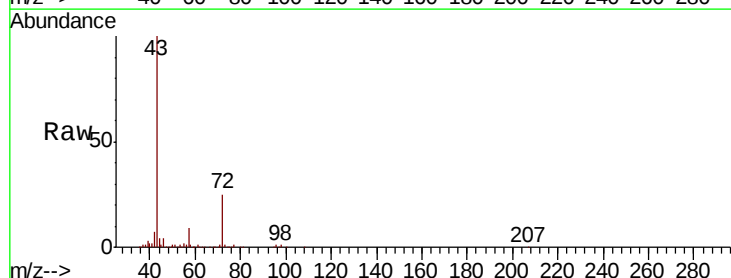
Instrument :
 MSVOA_V
 ClientSampled :

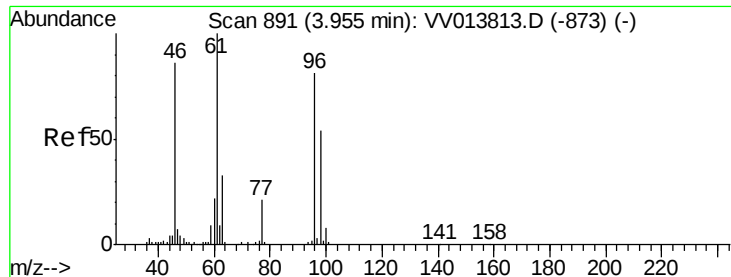
Tot Ion	63	Resp	81725
Ion Ratio	Lower	Upper	
63	100		
65	31.6	22.7	42.1
83	13.4	9.2	17.2



#21
 2-Butanone
 Concen: 39.316 ug/L
 RT: 4.01 min Scan# 908
 Delta R.T. -0.03 min
 Lab File: VV013825.D
 Acq: 27 Nov 2019 15:37

Tgt Ion	43	Resp	181407
Ion Ratio	Lower	Upper	
43	100		
72	24.9	12.3	36.9



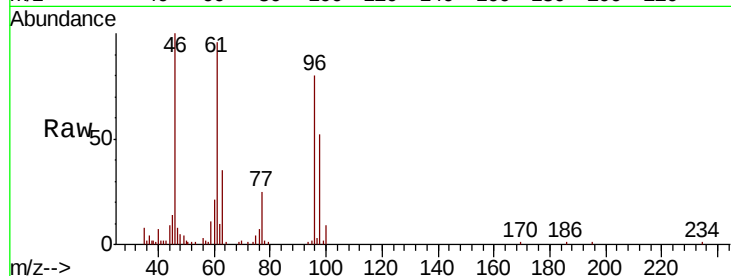


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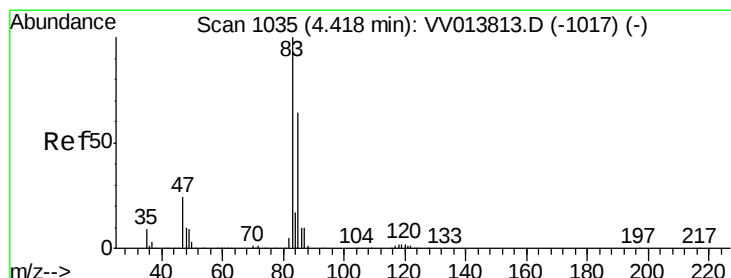
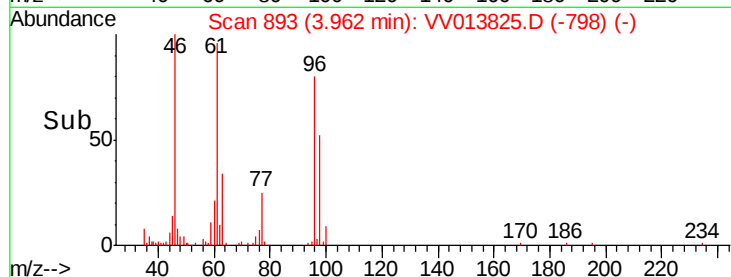
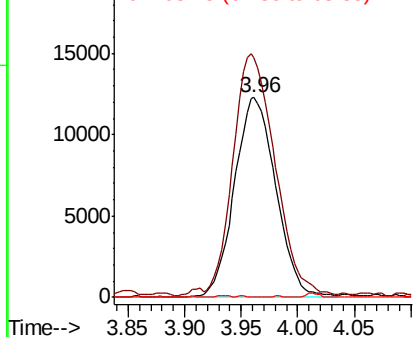
cis-1,2-Dichloroethene
 Concen: 1.452 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: VV013825.D
 Acq: 27 Nov 2019 15:37

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 31362
 Ion Ratio Lower Upper
 96 100
 61 120.0 86.1 159.9
 68 0.0 0.0 0.0



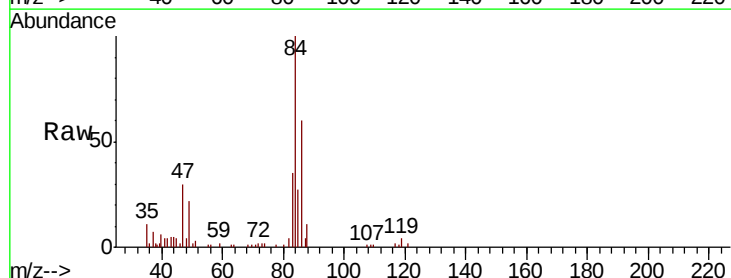
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



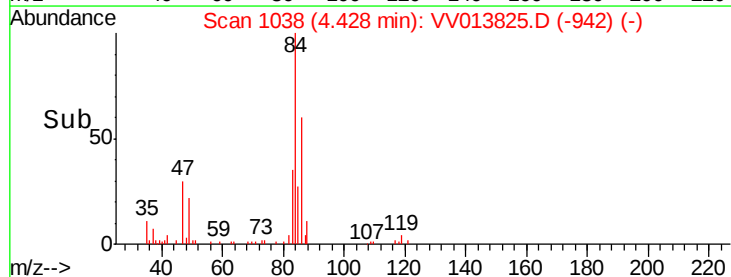
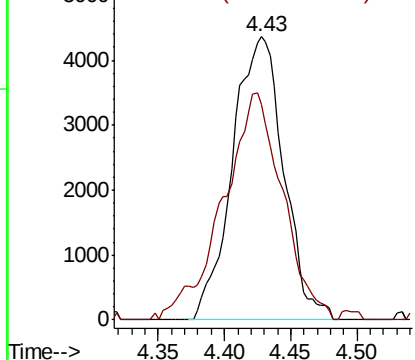
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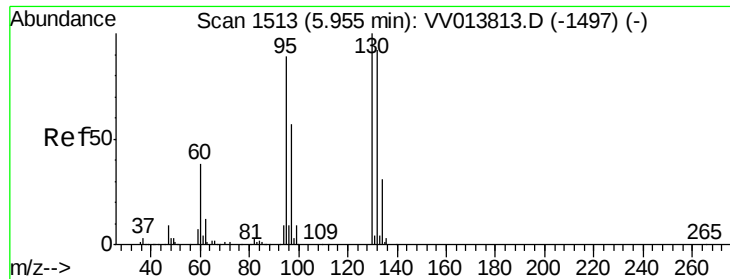
Chloroform
 Concen: 0.300 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. 0.01 min
 Lab File: VV013825.D
 Acq: 27 Nov 2019 15:37

Tgt Ion: 83 Resp: 11704
 Ion Ratio Lower Upper
 83 100
 85 76.4 45.1 83.7



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

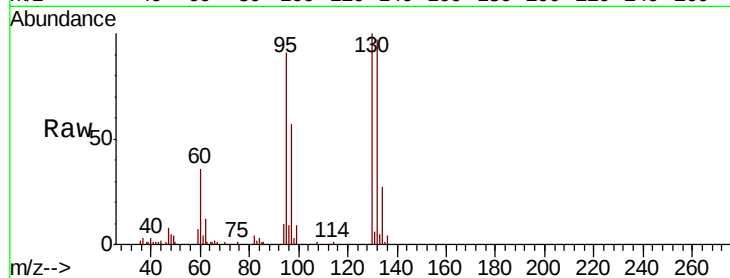




#34
 Trichloroethene
 Concen: 2.068 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV013825.D
 Acq: 27 Nov 2019 15:37

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
97	63.0	45.6	84.8
132	106.1	70.5	130.9
130	109.8	75.9	140.9

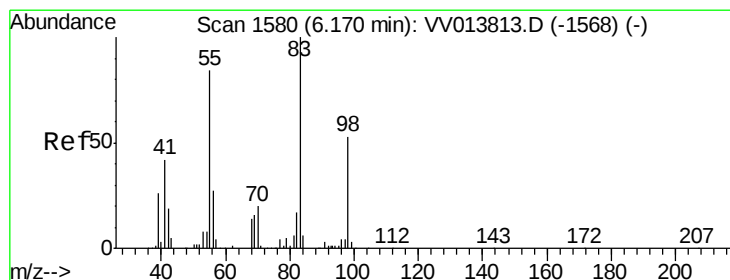
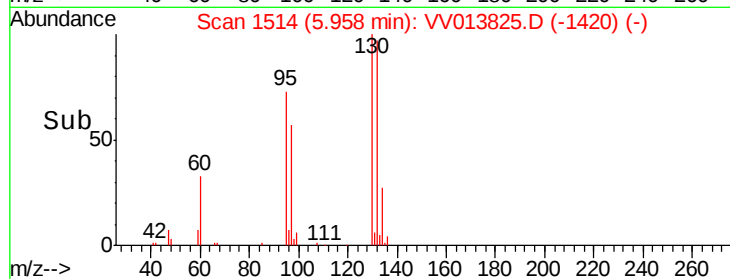
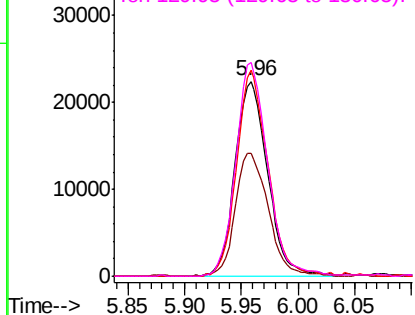


Abundance Ion 95.00 (94.70 to 95.70): VV013825.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV013825.D (-1420) (-)

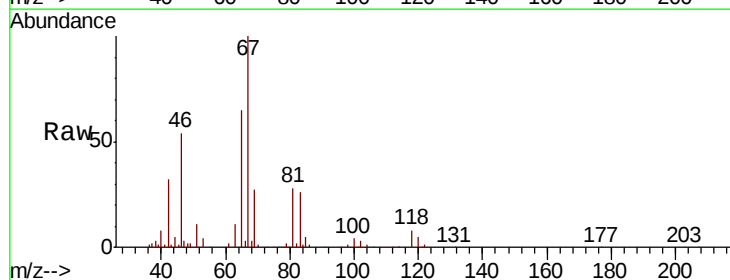
Ion 131.95 (131.65 to 132.65): VV013825.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV013825.D (-1420) (-)



#35
 Methylcyclohexane
 Concen: 0.855 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.06 min
 Lab File: VV013825.D
 Acq: 27 Nov 2019 15:37

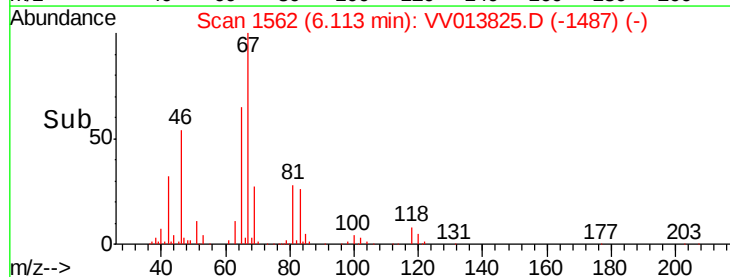
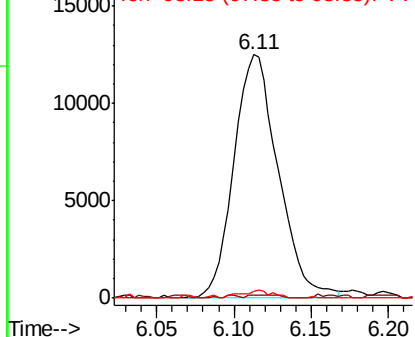
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.9	60.3	90.5#
98	2.2	38.1	57.1#

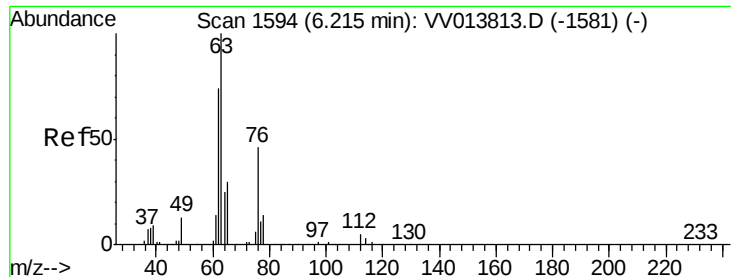


Abundance Ion 83.15 (82.85 to 83.85): VV013825.D (-1487) (-)

Ion 55.10 (54.80 to 55.80): VV013825.D (-1487) (-)

Ion 98.15 (97.85 to 98.85): VV013825.D (-1487) (-)





#37
 1,2-Dichloropropane
 Concen: 0.163 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: VV013825.D
 Acq: 27 Nov 2019 15:37

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 3306
 Ion Ratio Lower Upper
 63 100
 112 3.6 4.4 6.6#

