

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112619\
 Data File : VV013797.D
 Acq On : 26 Nov 2019 19:39
 Operator : SY/MD
 Sample : K6004-03DL 50X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 27 03:12:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 27 03:09:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	313657	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	303964	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	131125	5.00	ug/L	0.00

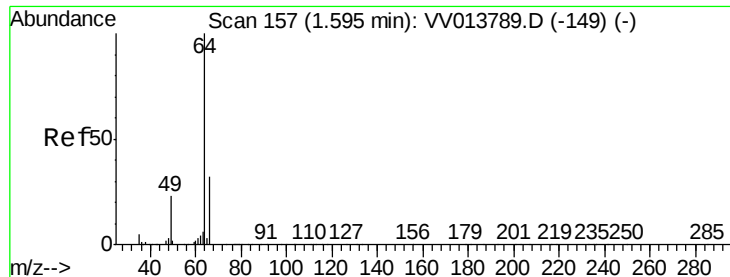
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	76637	3.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.00%
7) Chloroethane-d5	1.58	69	76770	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.20%
11) 1,1-Dichloroethene-d2	2.13	63	112617	3.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.00%
20) 2-Butanone-d5	3.96	46	252170	62.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.96%
24) Chloroform-d	4.40	84	189519	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.08	65	100633	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.00%
32) Benzene-d6	5.10	84	351392	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	6.11	67	112537	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.36	98	278500	3.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.60%
43) trans-1,3-Dichloropropene-	7.66	79	38208	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.14	63	173933	51.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.68%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	88514	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	128013	5.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.60%

Target Compounds

					Ovalue
8) Chloroethane	1.59	64	2391	0.212 ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1362	0.079 ug/L #	18
12) 1,1-Dichloroethene	2.14	96	6349	0.421 ug/L #	1
16) Methylene chloride	2.53	84	2744	0.133 ug/L #	74
19) 1,1-Dichloroethane	3.23	63	5432	0.160 ug/L #	96
22) cis-1,2-Dichloroethene	3.96	96	4952	0.248 ug/L	99
25) Chloroform	4.42	83	14974	0.415 ug/L	98
34) Trichloroethene	5.96	95	94222	4.581 ug/L	94
35) Methylcyclohexane	6.11	83	28382	1.034 ug/L #	20
37) 1,2-Dichloropropane	6.12	63	11454	0.598 ug/L #	87
44) trans-1,3-Dichloropropene	7.66	75	2059	0.097 ug/L	88
48) 2-Hexanone	8.14	43	31078	3.894 ug/L #	72

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



#8

Chloroethane

Concen: 0.212 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.01 min

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Instrument :

MSVOA_V

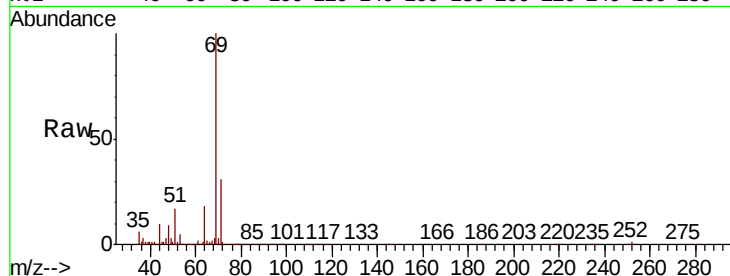
ClientSampled :

Tot Ion: 64 Resp: 2391

Ion Ratio Lower Upper

64 100

66 5.5 22.6 42.0#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.59

10000

8000

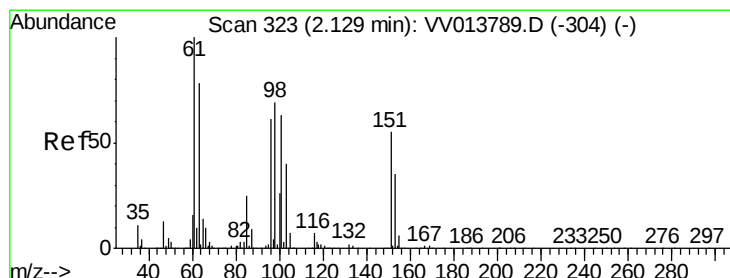
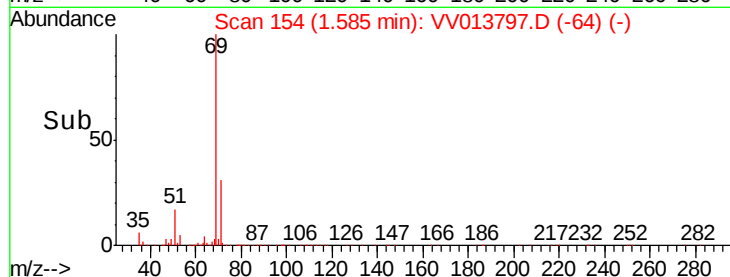
6000

4000

2000

0

Time-->



#10

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

Concen: 0.079 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV013797.D

Acq: 26 Nov 2019 19:39

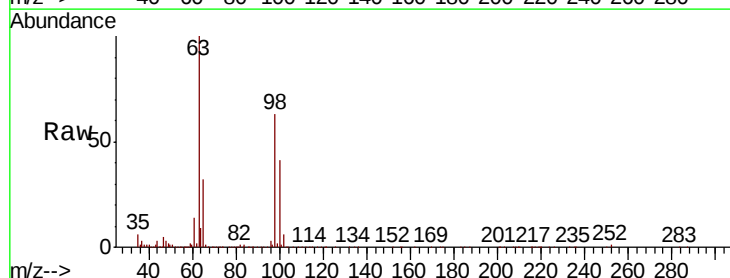
Tgt Ion: 101 Resp: 1362

Ion Ratio Lower Upper

101 100

85 5.4 33.4 50.0#

151 0.0 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

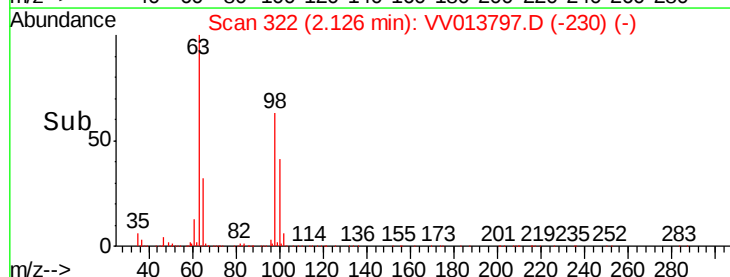
1500

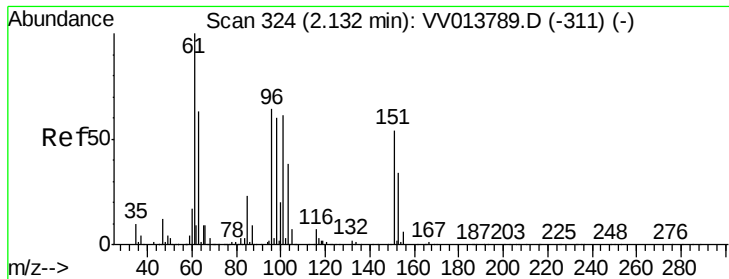
1000

500

0

Time-->





#12

1,1-Dichloroethene

Concen: 0.421 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV013797.D

Acq: 26 Nov 2019 19:39

Instrument :
MSVOA_V
ClientSampled :

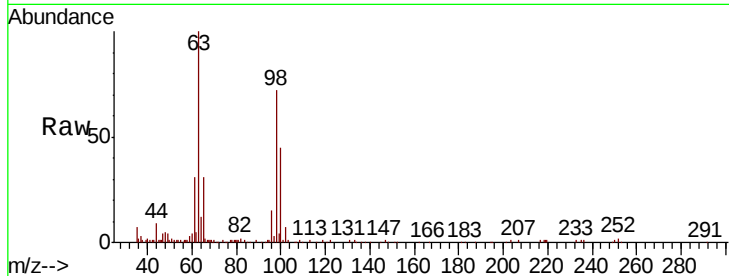
Tot Ion: 96 Resp: 6349

Ion Ratio Lower Upper

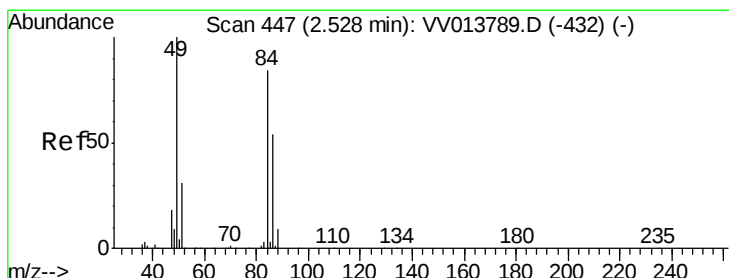
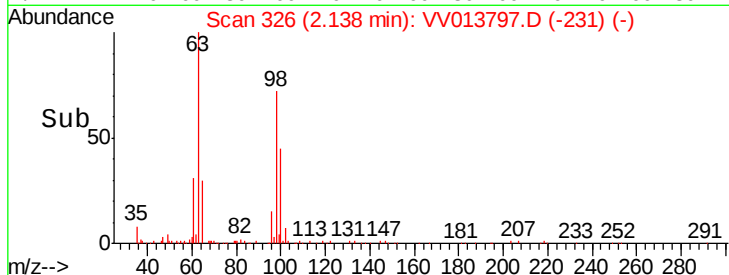
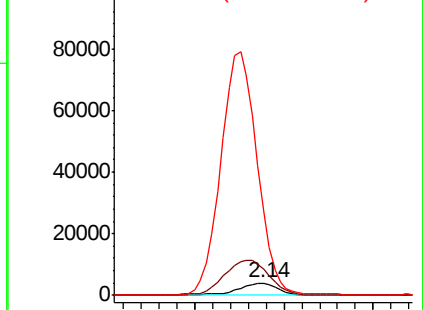
96 100

61 215.1 116.3 215.9

63 688.7 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



#16

Methylene chloride

Concen: 0.133 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.01 min

Lab File: VV013797.D

Acq: 26 Nov 2019 19:39

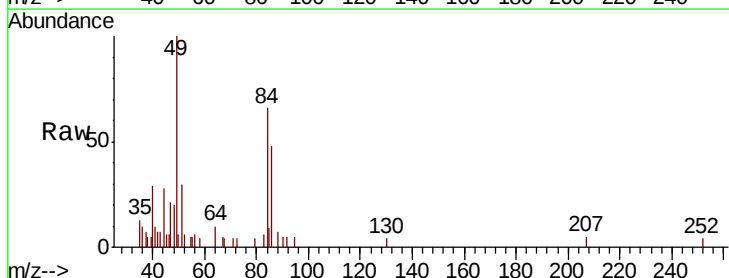
Tgt Ion: 84 Resp: 2744

Ion Ratio Lower Upper

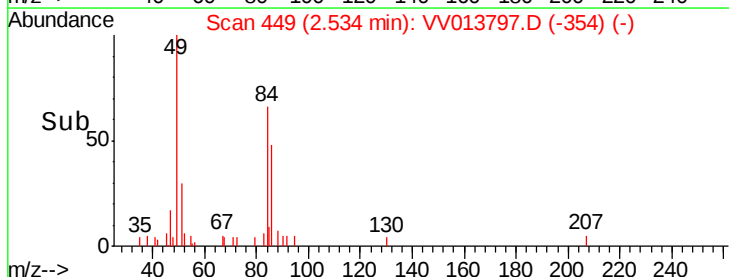
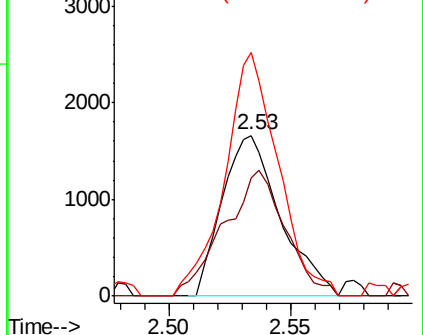
84 100

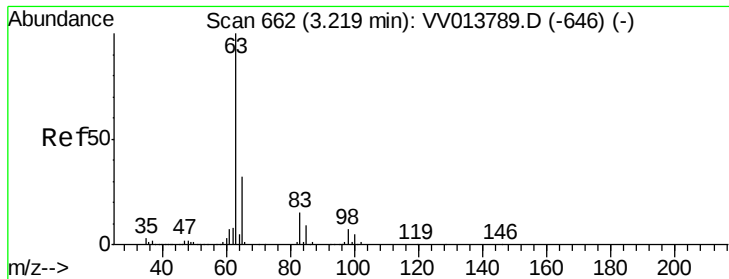
86 73.3 44.0 81.6

49 151.7 81.5 151.5#



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





#19

1,1-Dichloroethane

Concen: 0.160 ug/L

RT: 3.23 min Scan# 664

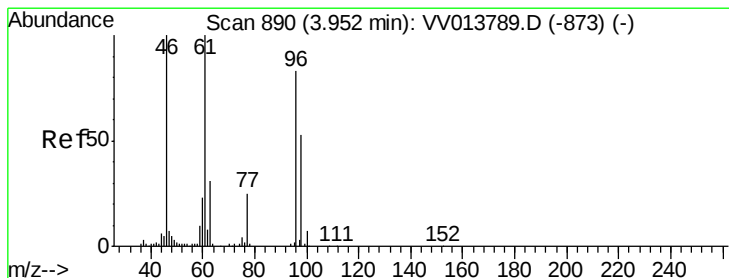
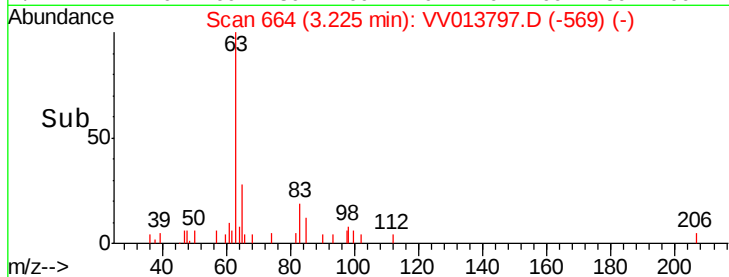
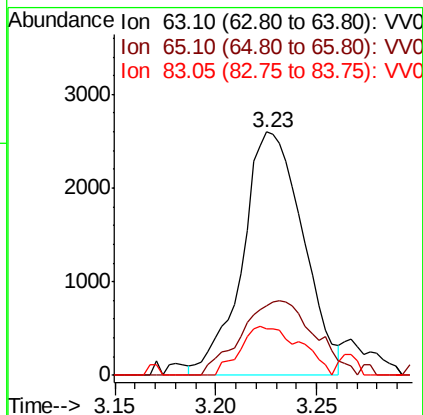
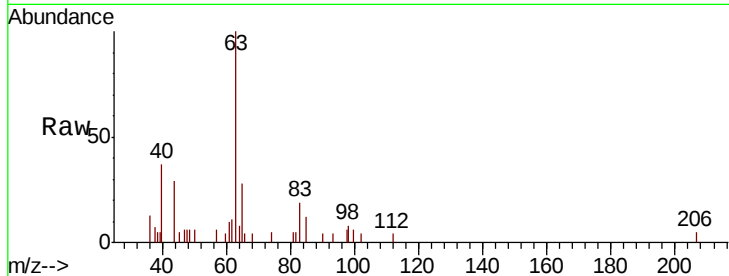
Delta R.T. 0.01 min

Lab File: VV013797.D

Acq: 26 Nov 2019 19:39

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	63	Resp:	5432
Ion	Ratio	Lower	Upper
63	100		
65	32.2	22.7	42.1
83	18.9	9.2	17.2#



#22

cis-1,2-Dichloroethene

Concen: 0.248 ug/L

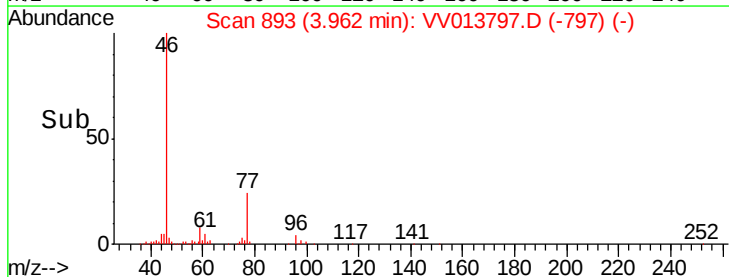
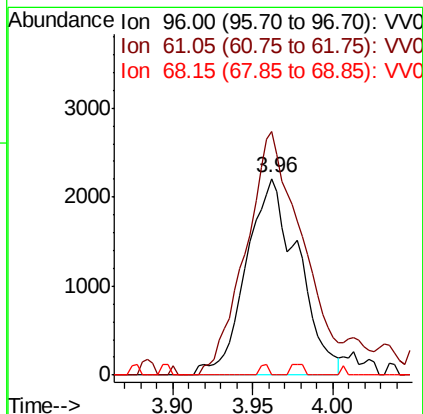
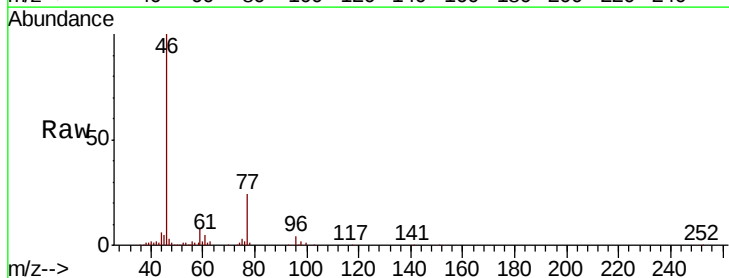
RT: 3.96 min Scan# 893

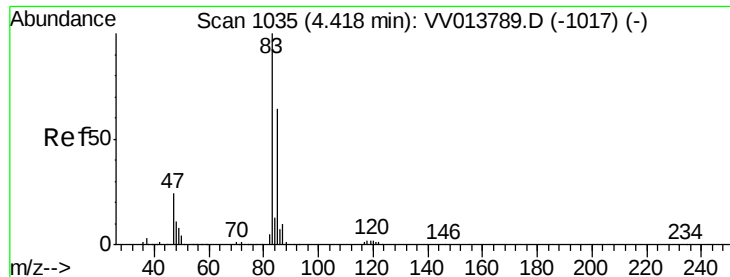
Delta R.T. 0.01 min

Lab File: VV013797.D

Acq: 26 Nov 2019 19:39

Tgt Ion:	96	Resp:	4952
Ion	Ratio	Lower	Upper
96	100		
61	123.9	86.1	159.9
68	0.0	0.0	0.0

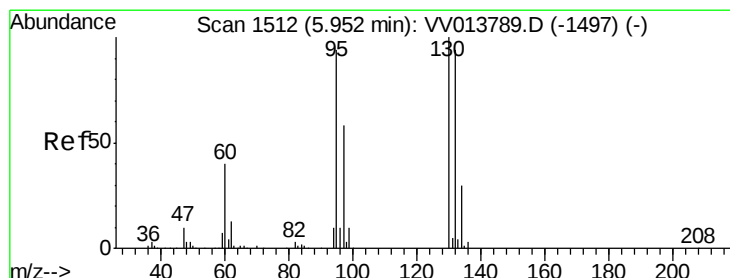
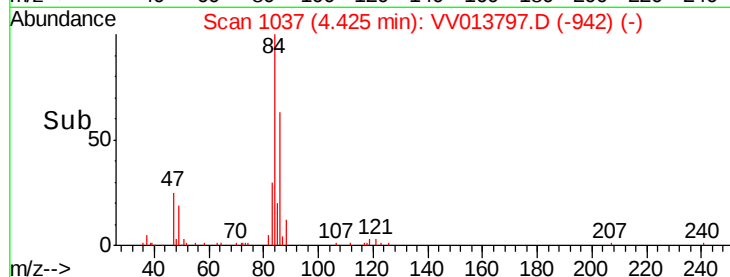
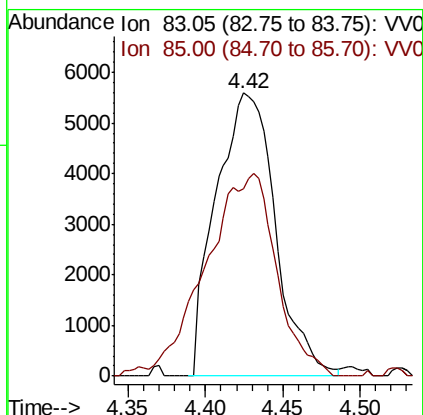
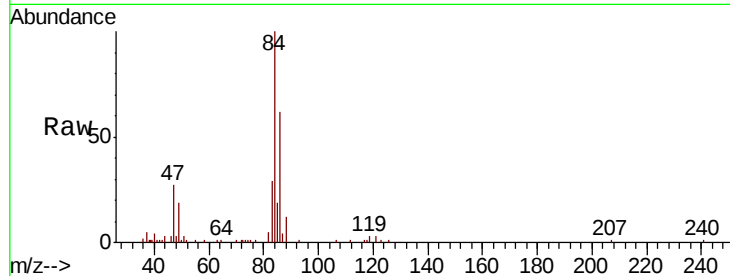




#25
Chloroform
Concen: 0.415 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VV013797.D
Acq: 26 Nov 2019 19:39

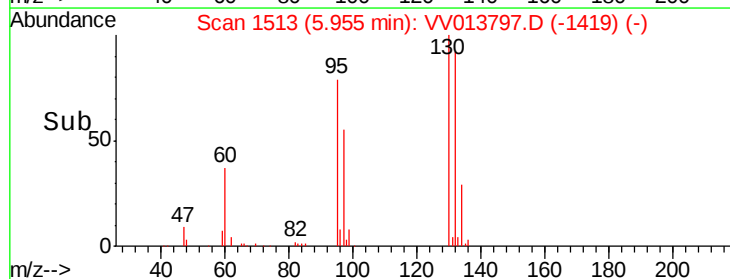
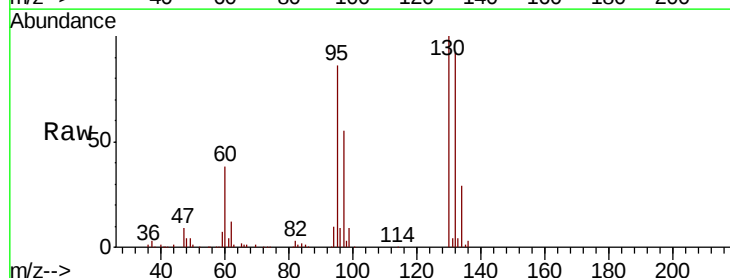
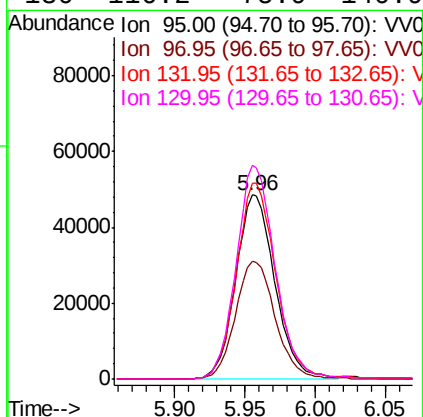
Instrument :
MSVOA_V
ClientSampleId :

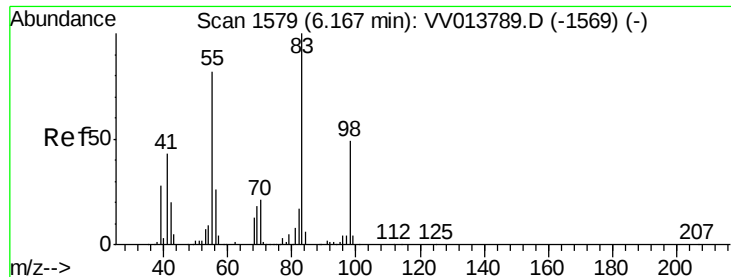
Tot Ion: 83 Resp: 14974
Ion Ratio Lower Upper
83 100
85 66.3 45.1 83.7



#34
Trichloroethene
Concen: 4.581 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VV013797.D
Acq: 26 Nov 2019 19:39

Tgt Ion: 95 Resp: 94222
Ion Ratio Lower Upper
95 100
97 64.1 45.6 84.8
132 106.9 70.5 130.9
130 116.2 75.9 140.9

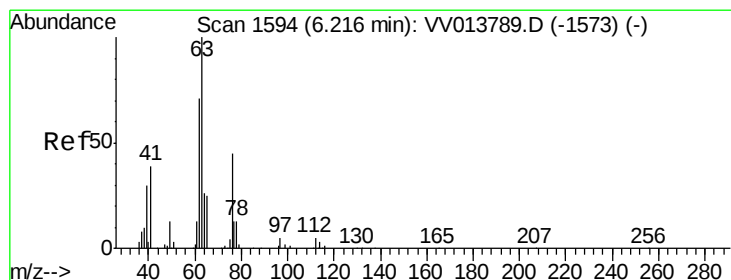
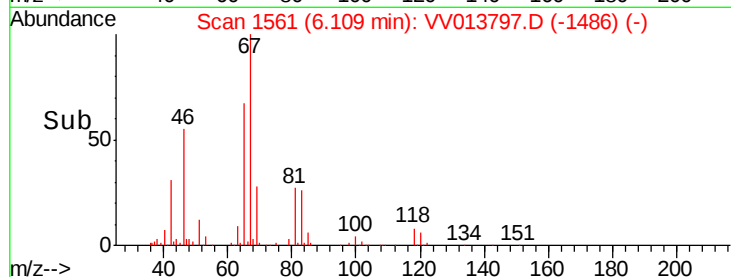
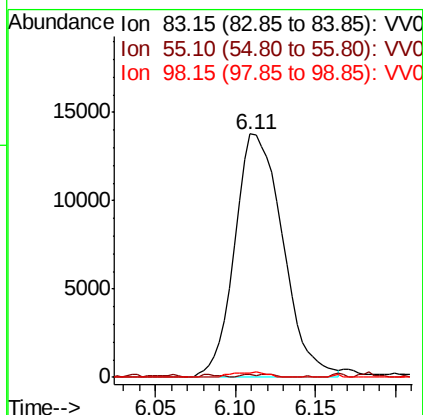
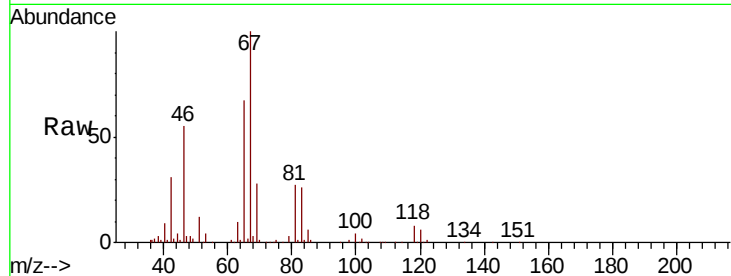




#35
Methvlcvclohexane
Concen: 1.034 ug/L
RT: 6.11 min Scan# 1561
Delta R.T. -0.06 min
Lab File: VV013797.D
Acq: 26 Nov 2019 19:39

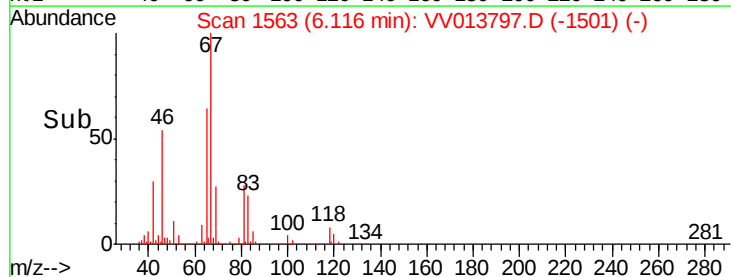
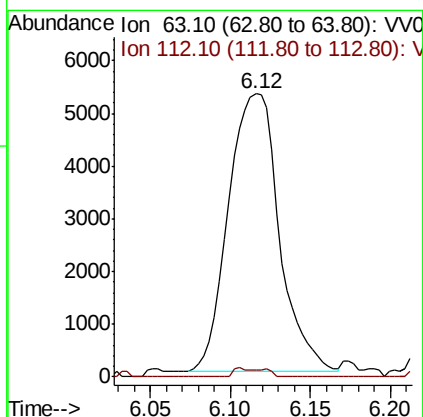
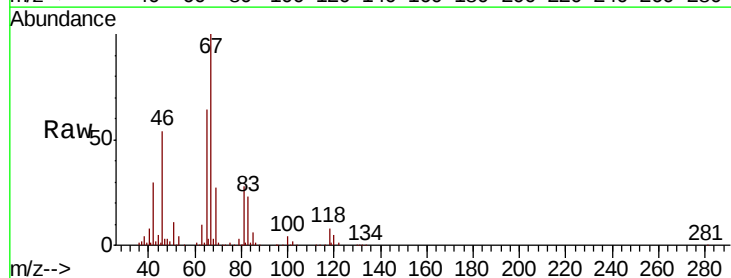
Instrument :
MSVOA_V
ClientSampleId :

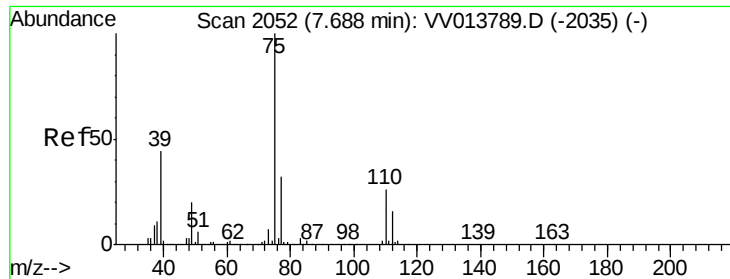
Tot Ion	83	Resp	28382
Ion Ratio	Lower	Upper	
83	100		
55	0.4	60.3	90.5#
98	1.5	38.1	57.1#



#37
1,2-Dichloropropane
Concen: 0.598 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV013797.D
Acq: 26 Nov 2019 19:39

Tgt Ion	63	Resp	11454
Ion Ratio	Lower	Upper	
63	100		
112	1.0	4.4	6.6#

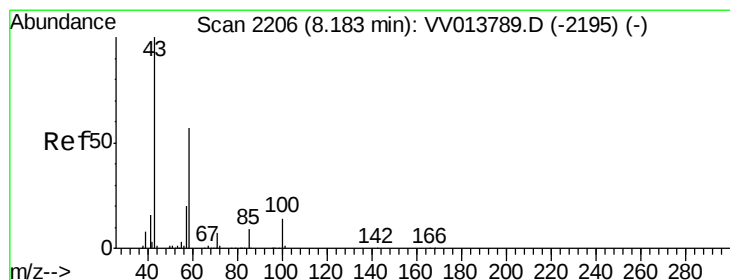
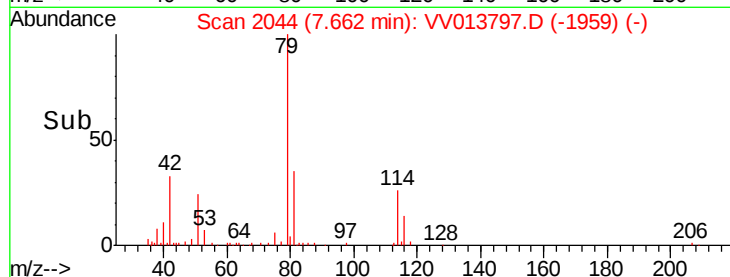
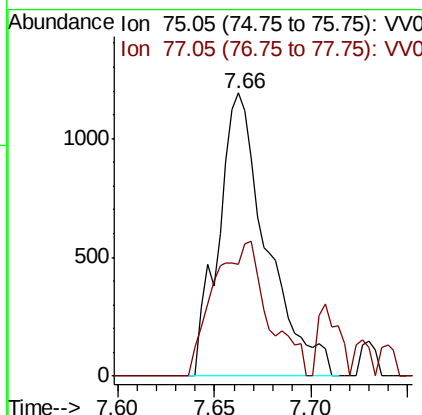
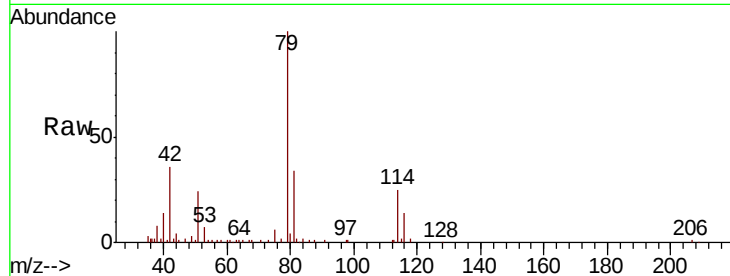




#44
trans-1,3-Dichloropropene
Concen: 0.097 ug/L
RT: 7.66 min Scan# 2044
Delta R.T. -0.03 min
Lab File: VV013797.D
Acq: 26 Nov 2019 19:39

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 75 Resp: 2059
Ion Ratio Lower Upper
75 100
77 39.6 23.0 42.8



#48
2-Hexanone
Concen: 3.894 ug/L
RT: 8.14 min Scan# 2192
Delta R.T. -0.05 min
Lab File: VV013797.D
Acq: 26 Nov 2019 19:39

Tgt Ion: 43 Resp: 31078
Ion Ratio Lower Upper
43 100
58 31.2 43.2 64.8#
57 27.2 15.4 23.2#
100 2.9 10.4 15.6#

