

Data File : VV013750.D
Acq On : 22 Nov 2019 21:47
Operator : SY/MD
Sample : K5941-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
B0AC0

Quant Time: Nov 23 01:41:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 23 01:35:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	350363	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	338390	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	155108	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	115301	5.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.40%
7) Chloroethane-d5	1.58	69	100761	5.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.40%
11) 1,1-Dichloroethene-d2	2.14	63	309875	8.49	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	169.80%#
20) 2-Butanone-d5	3.92	46	256733	56.95	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.90%
24) Chloroform-d	4.40	84	231274	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
26) 1,2-Dichloroethane-d4	5.08	65	113350	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.00%
32) Benzene-d6	5.10	84	444588	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
36) 1,2-Dichloropropane-d6	6.12	67	138373	5.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.40%
41) Toluene-d8	7.36	98	384822	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
43) trans-1,3-Dichloropropene-	7.66	79	45174	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.13	63	190538	51.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.02%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	98469	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	161051	5.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.60%

Target Compounds

						Qvalue
3) Chloromethane	1.25	50	3404	0.166	ug/L #	59
8) Chloroethane	1.41	64	220062	17.447	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2381	0.123	ug/L #	28
12) 1,1-Dichloroethene	2.14	96	319087	18.942	ug/L #	69
14) Carbon disulfide	2.32	76	16801	0.432	ug/L	99
15) Methyl Acetate	2.46	43	14429	2.045	ug/L	91
16) Methylene chloride	2.54	84	7169	0.311	ug/L	90
17) Methyl tert-butyl Ether	2.81	73	3559	0.077	ug/L #	69
19) 1,1-Dichloroethane	3.23	63	1294897	34.099	ug/L	99
21) 2-Butanone	4.04	43	9189	1.928	ug/L	77
22) cis-1,2-Dichloroethene	3.96	96	18034	0.808	ug/L	82
25) Chloroform	4.41	83	5803	0.144	ug/L	100
27) 1,2-Dichloroethane	5.10	62	2519	0.109	ug/L	95
34) Trichloroethene	5.96	95	487918	21.308	ug/L	98
35) Methylcyclohexane	6.11	83	34278	1.122	ug/L #	20
37) 1,2-Dichloropropane	6.22	63	5201	0.244	ug/L #	94
42) Toluene	7.43	91	5472	0.061	ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112219\
Quantitation Report (Not Reviewed)

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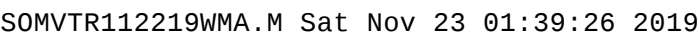
Instrument :
MSVOA_V
ClientSampleId :
B0AC0

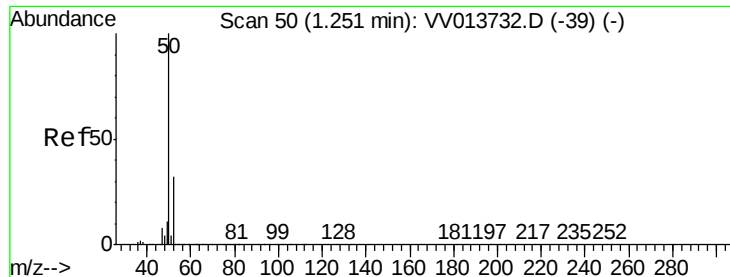
Quant Time: Nov 23 01:41:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 23 01:35:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.66	75	2016	0.085	ug/L #	66
48) 2-Hexanone	8.13	43	26110	2.939	ug/L #	40

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

Quant Time: Nov 23 01:41:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.166 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013750.D

Acq: 22 Nov 2019 21:47

Instrument :

MSVOA_V

ClientSampleId :

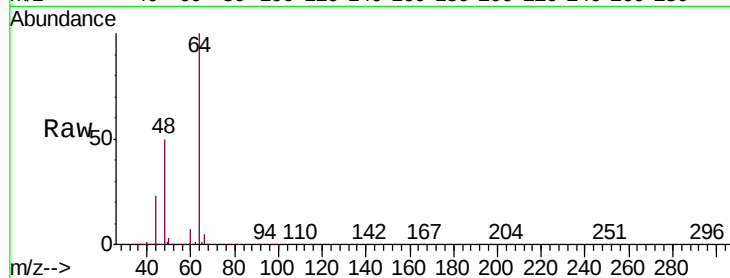
B0AC0

Tgt Ion: 50 Resp: 3404

Ion Ratio Lower Upper

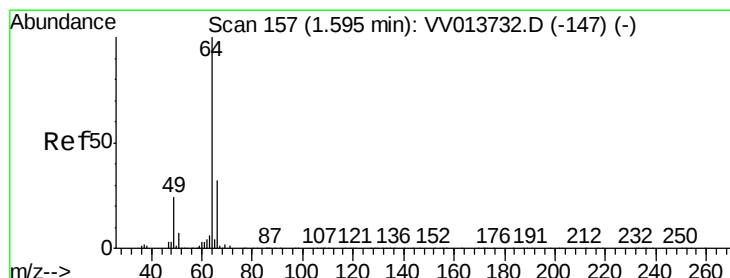
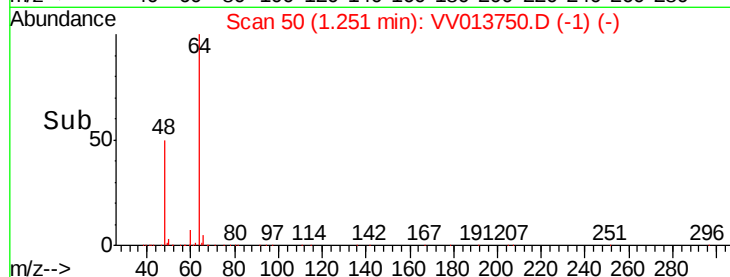
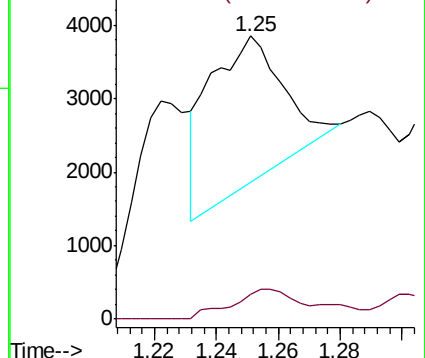
50 100

52 9.0 22.5 41.7#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#8

Chloroethane

Concen: 17.447 ug/L

RT: 1.41 min Scan# 100

Delta R.T. -0.18 min

Lab File: VV013750.D

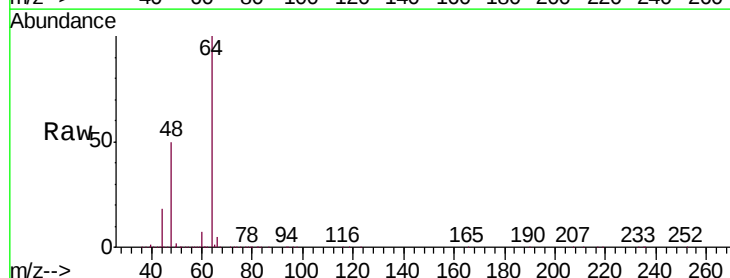
Acq: 22 Nov 2019 21:47

Tgt Ion: 64 Resp: 220062

Ion Ratio Lower Upper

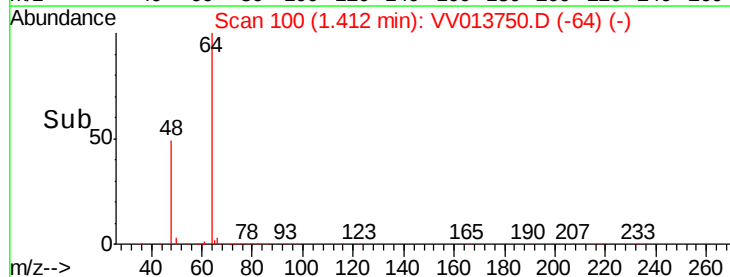
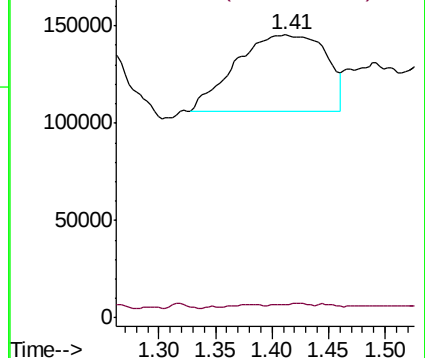
64 100

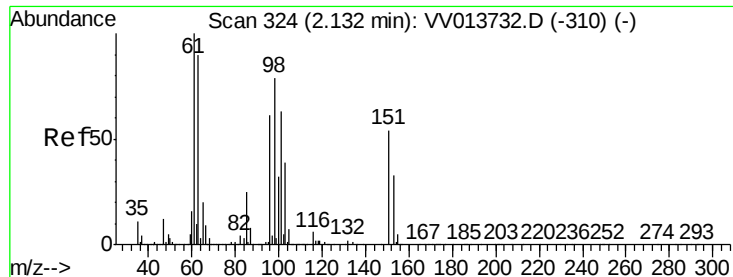
66 4.7 22.6 42.0#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#10

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

Concen: 0.123 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013750.D

Acq: 22 Nov 2019 21:47

Instrument :

MSVOA_V

ClientSampleId :

B0AC0

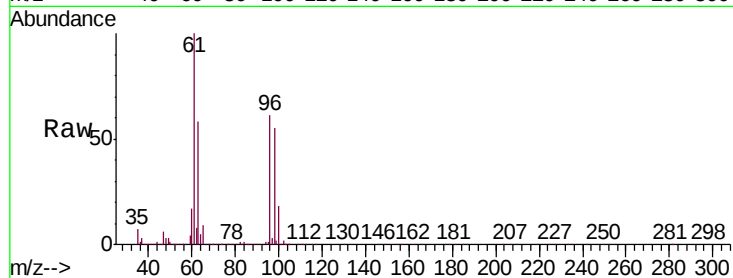
Tgt Ion: 101 Resp: 2381

Ion Ratio Lower Upper

101 100

85 22.5 33.4 50.0#

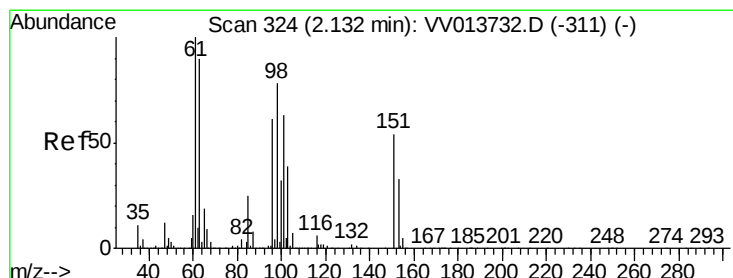
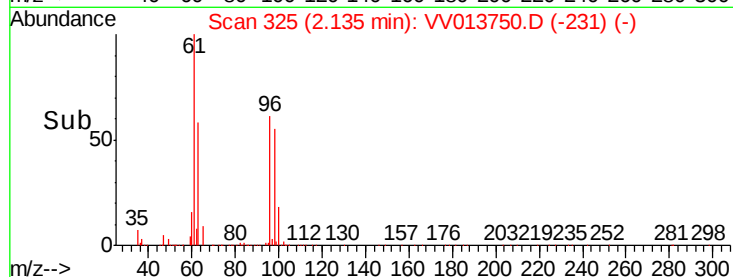
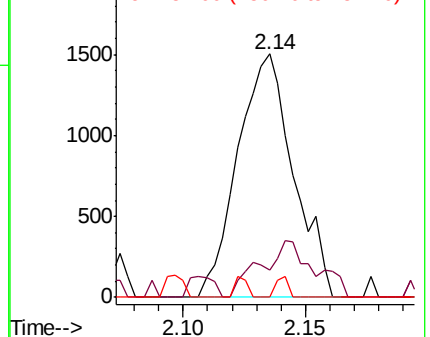
151 1.9 69.4 104.0#



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: 18.942 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.01 min

Lab File: VV013750.D

Acq: 22 Nov 2019 21:47

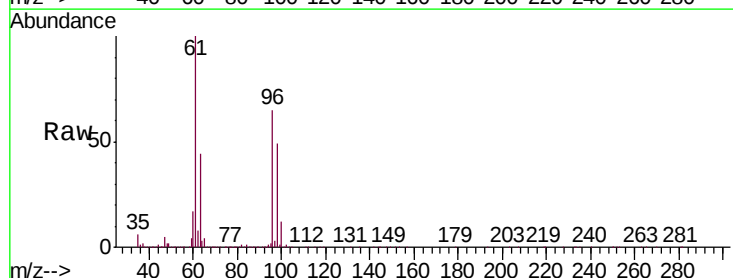
Tgt Ion: 96 Resp: 319087

Ion Ratio Lower Upper

96 100

61 154.0 116.3 215.9

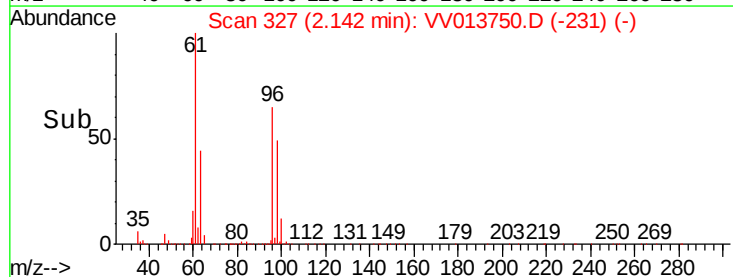
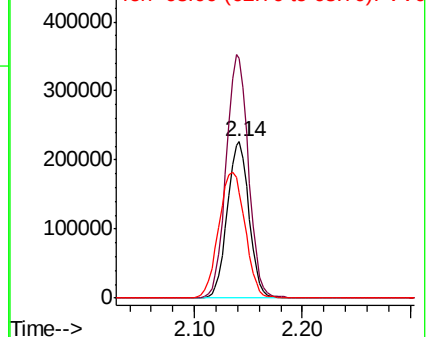
63 67.6 96.7 179.7#

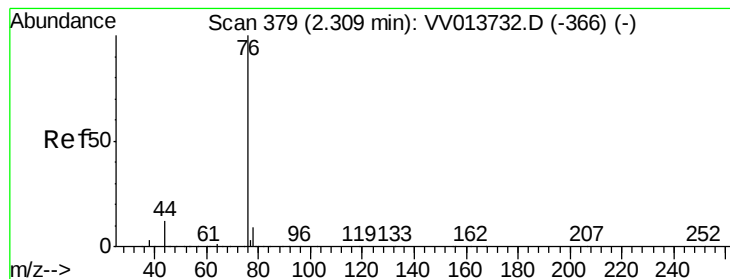


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.432 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV013750.D

Acq: 22 Nov 2019 21:47

Instrument :

MSVOA_V

ClientSampleId :

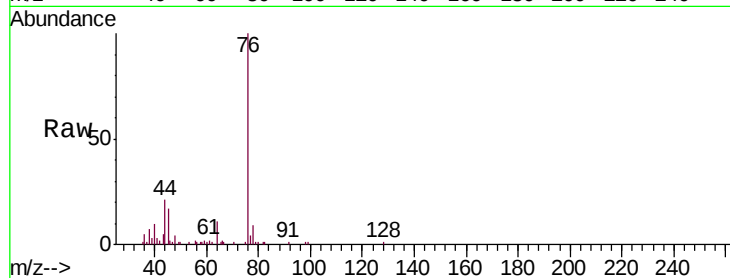
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Tgt Ion: 76 Resp: 16801

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

12000

10000

8000

6000

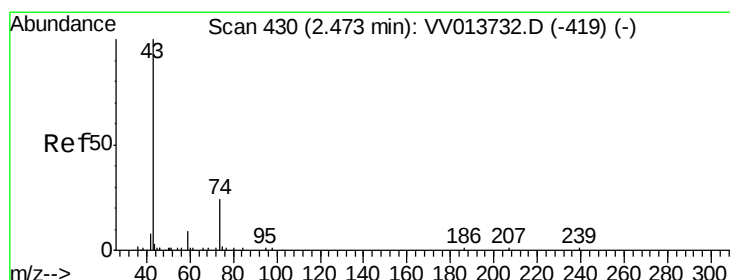
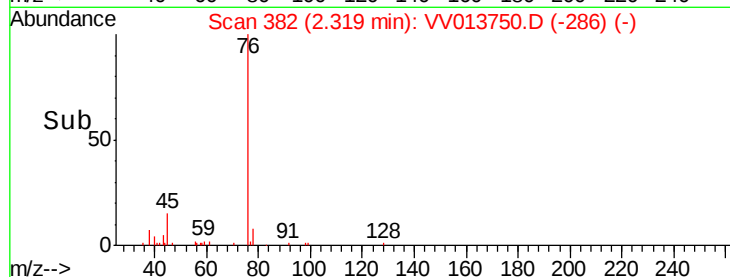
4000

2000

0

Time--> 2.25 2.30 2.35

2.32



#15

Methyl Acetate

Concen: 2.045 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.01 min

Lab File: VV013750.D

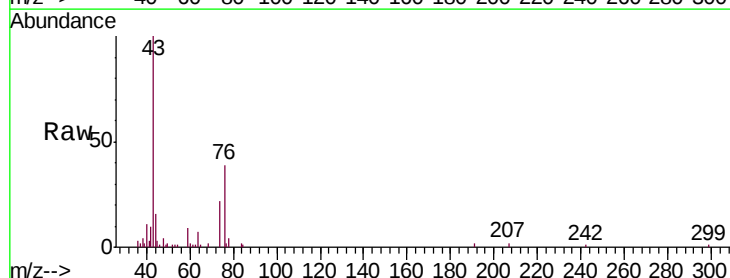
Acq: 22 Nov 2019 21:47

Tgt Ion: 43 Resp: 14429

Ion Ratio Lower Upper

43 100

74 21.1 20.5 30.7



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

8000

6000

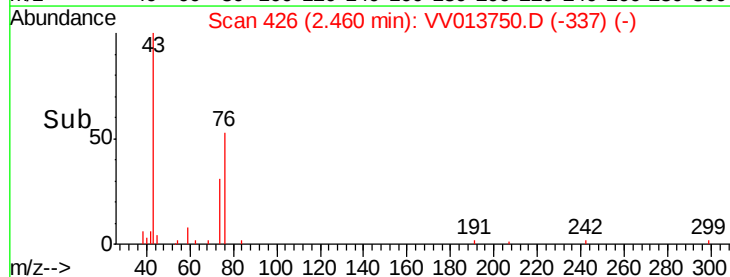
4000

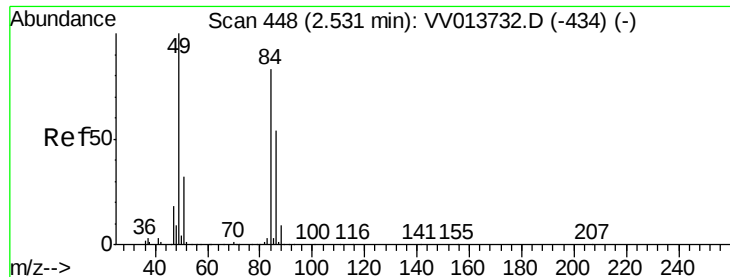
2000

0

Time--> 2.40 2.45 2.50 2.55

2.46

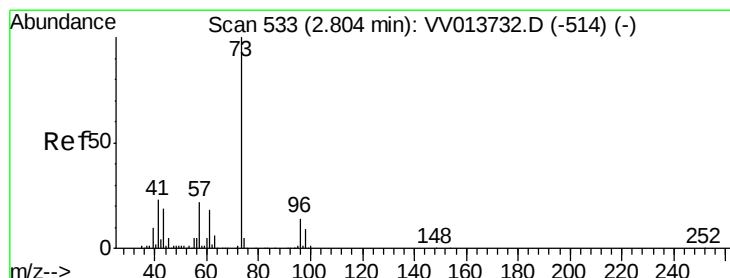
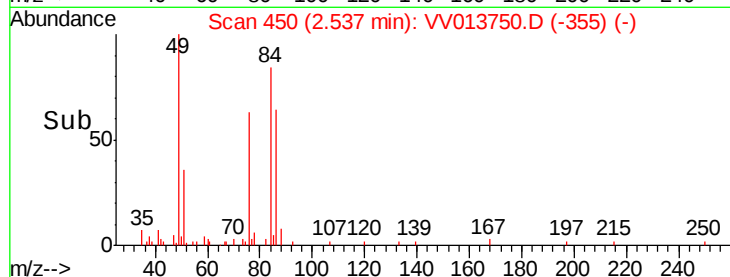
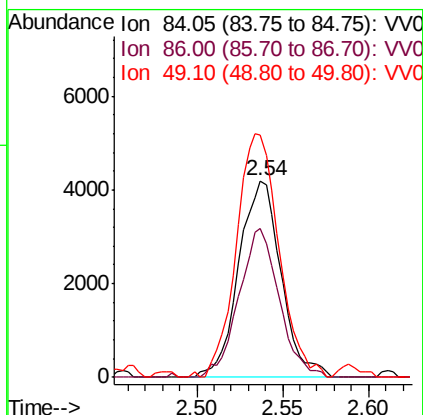
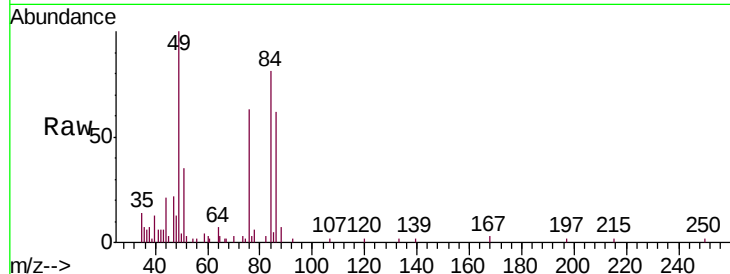




#16
Methylene chloride
Concen: 0.311 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.01 min
Lab File: VV013750.D
Acq: 22 Nov 2019 21:47

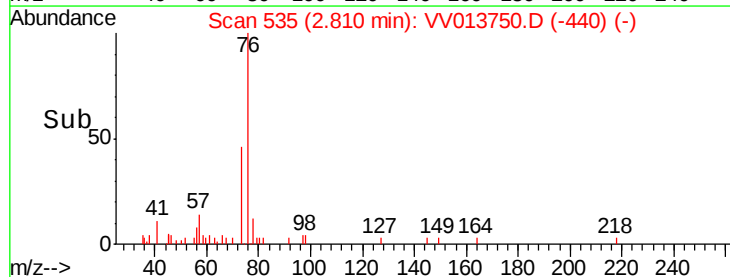
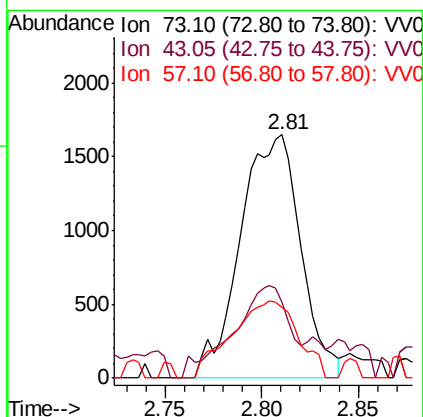
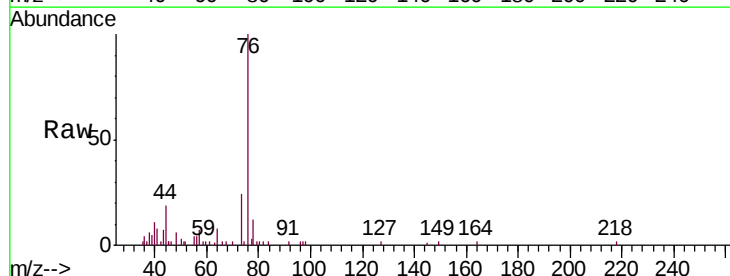
Instrument :
MSVOA_V
ClientSampleId :
B0AC0

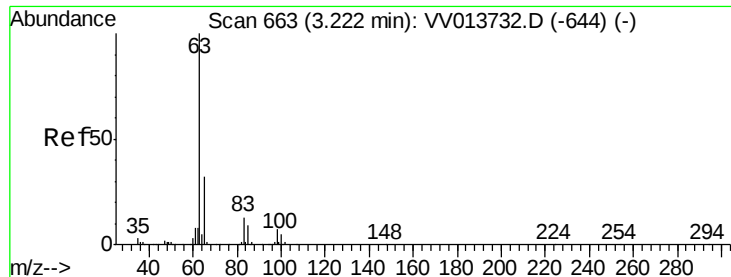
Tgt Ion: 84 Resp: 7169
Ion Ratio Lower Upper
84 100
86 75.9 44.0 81.6
49 123.0 81.5 151.5



#17
Methyl tert-butyl Ether
Concen: 0.077 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.01 min
Lab File: VV013750.D
Acq: 22 Nov 2019 21:47

Tgt Ion: 73 Resp: 3559
Ion Ratio Lower Upper
73 100
43 35.5 15.5 23.3#
57 35.1 17.5 26.3#



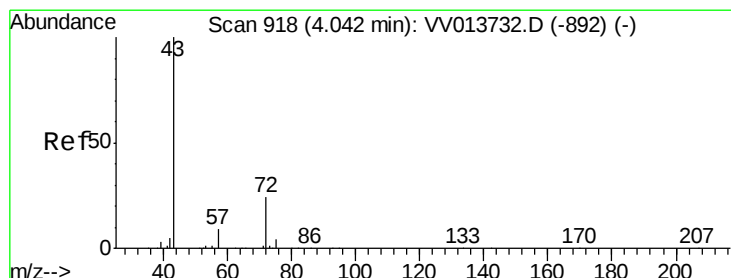
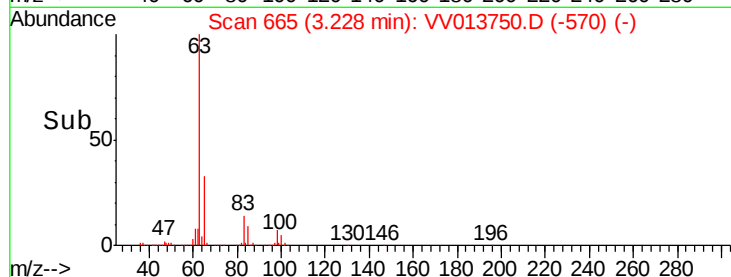
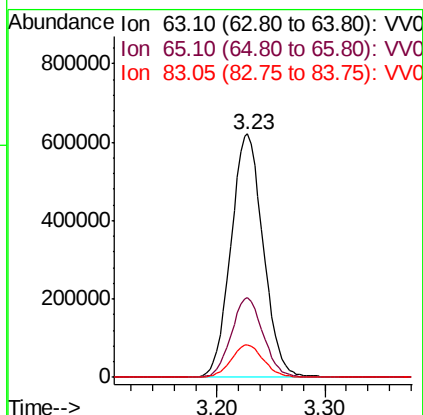
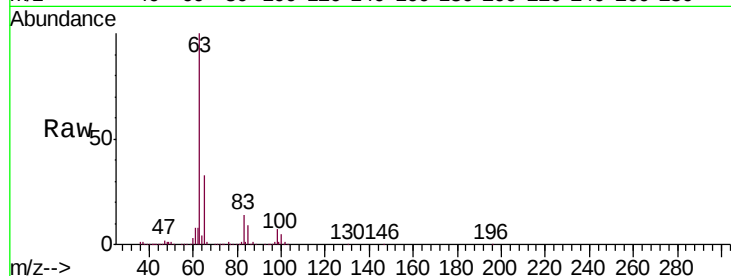


#19
 1,1-Dichloroethane
 Concen: 34.099 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.01 min
 Lab File: VV013750.D
 Acq: 22 Nov 2019 21:47

Instrument :
 MSVOA_V
 ClientSampleId :
 B0AC0

Tgt Ion: 63 Resp: 1294897

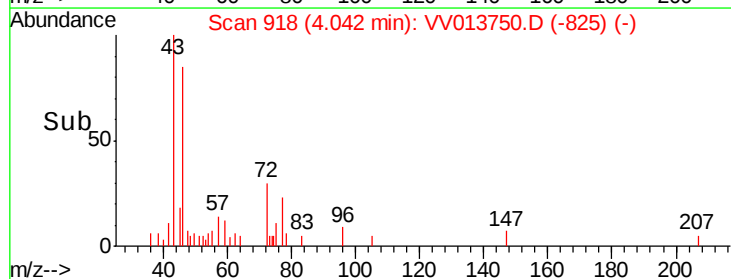
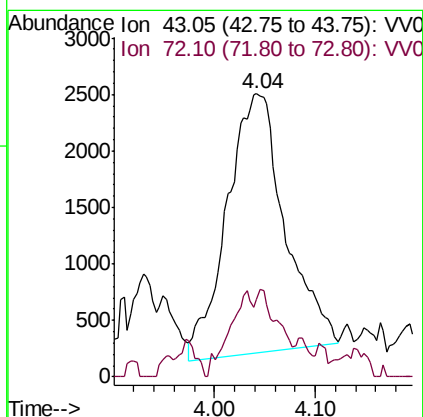
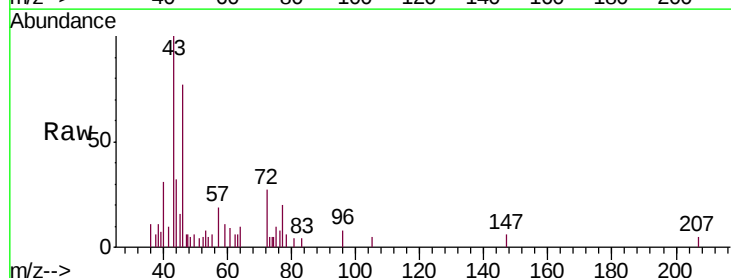
Ion	Ratio	Lower	Upper
63	100		
65	32.6	22.7	42.1
83	13.6	9.2	17.2

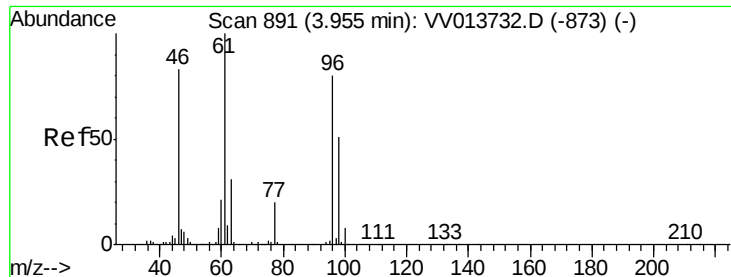


#21
 2-Butanone
 Concen: 1.928 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VV013750.D
 Acq: 22 Nov 2019 21:47

Tgt Ion: 43 Resp: 9189

Ion	Ratio	Lower	Upper
43	100		
72	13.2	12.3	36.9



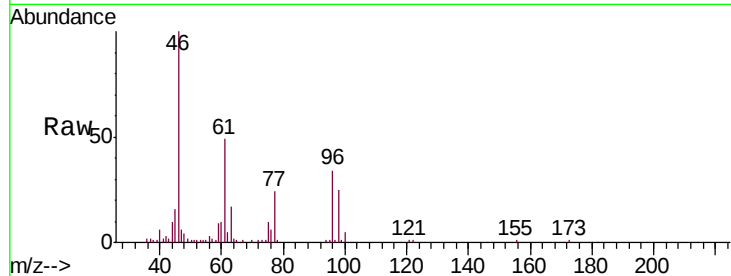


#22

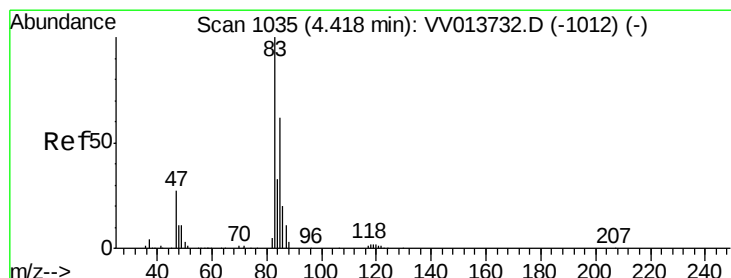
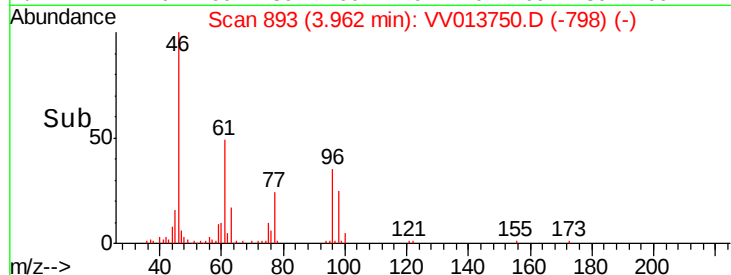
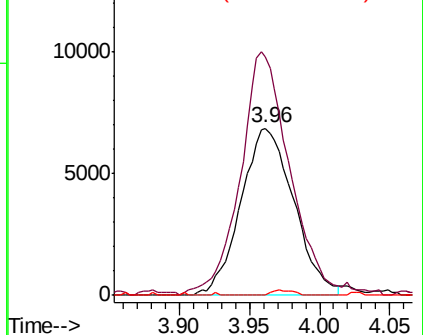
cis-1,2-Dichloroethene
Concen: 0.808 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.01 min
Lab File: VV013750.D
Acq: 22 Nov 2019 21:47

Instrument :
MSVOA_V
ClientSampleId :
B0AC0

Tgt Ion: 96 Resp: 18034
Ion Ratio Lower Upper
96 100
61 142.8 86.1 159.9
68 0.0 0.0 0.0



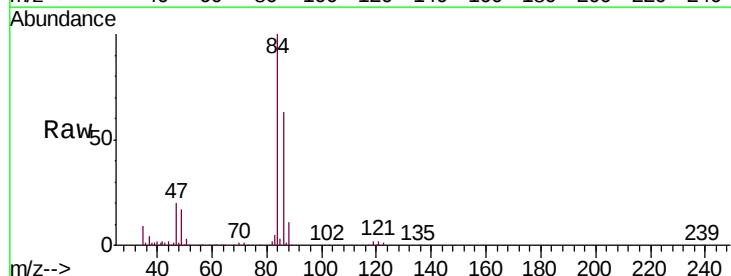
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



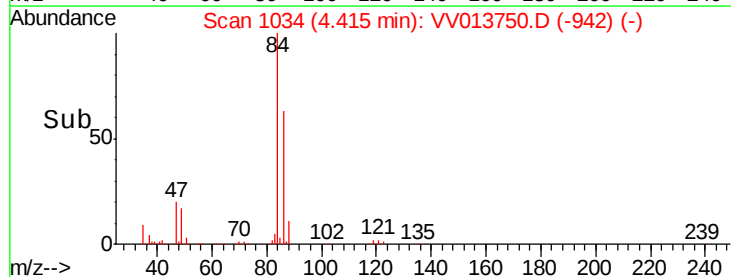
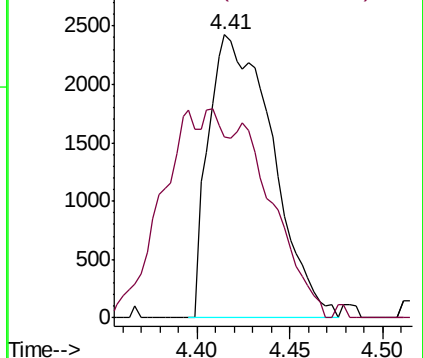
#25

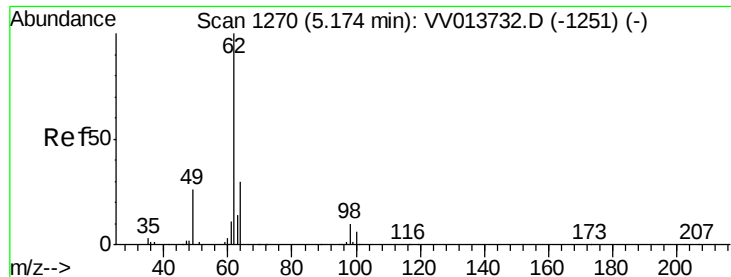
Chloroform
Concen: 0.144 ug/L
RT: 4.41 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VV013750.D
Acq: 22 Nov 2019 21:47

Tgt Ion: 83 Resp: 5803
Ion Ratio Lower Upper
83 100
85 64.0 45.1 83.7



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

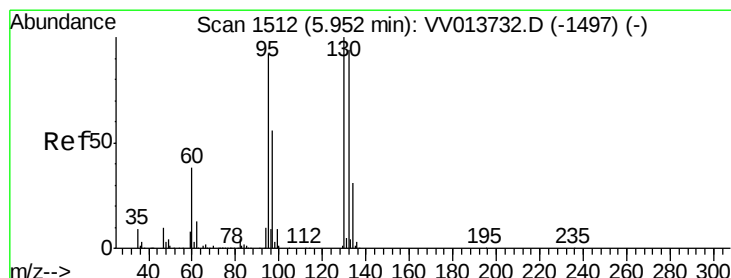
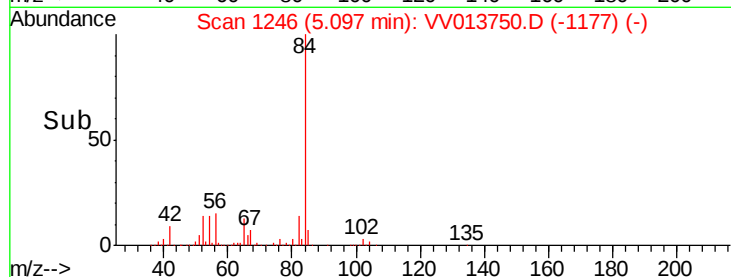
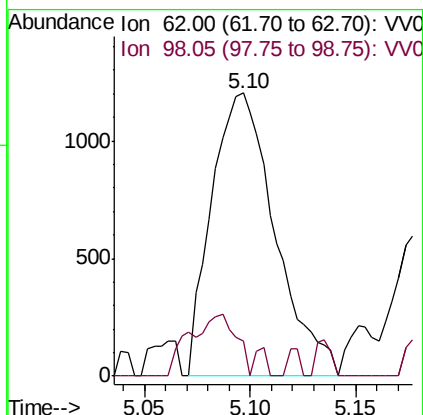
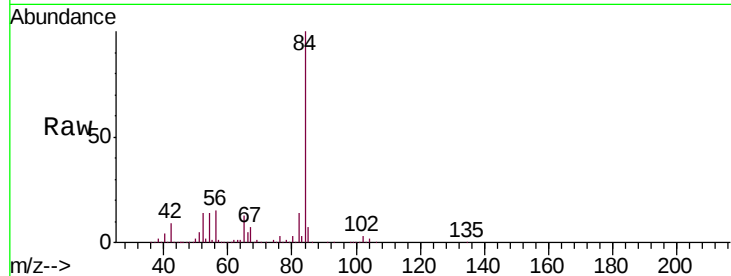




#27
 1,2-Dichloroethane
 Concen: 0.109 ug/L
 RT: 5.10 min Scan# 1246
 Delta R.T. -0.08 min
 Lab File: VV013750.D
 Acq: 22 Nov 2019 21:47

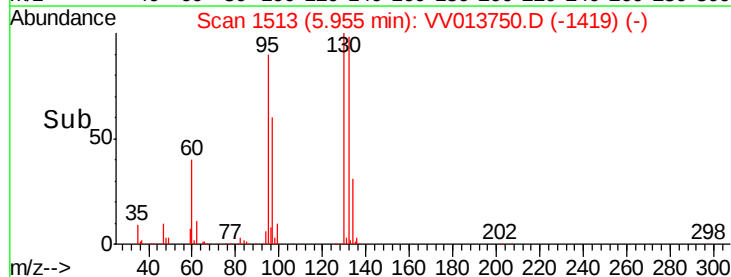
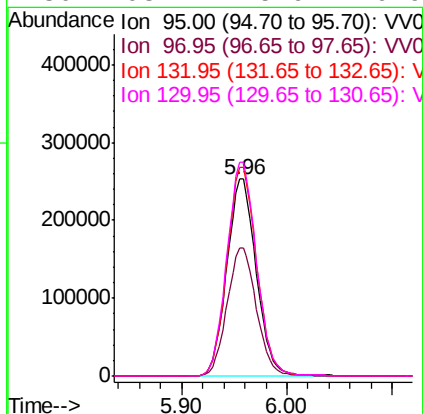
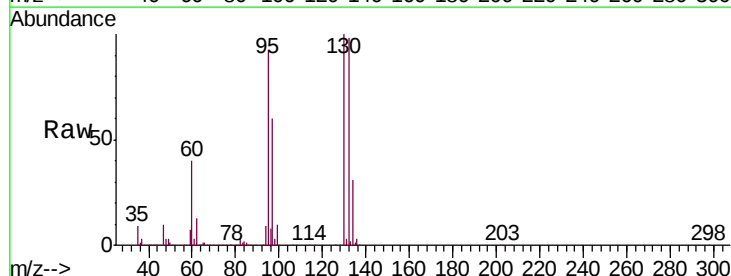
Instrument :
 MSVOA_V
 ClientSampled :
 B0AC0

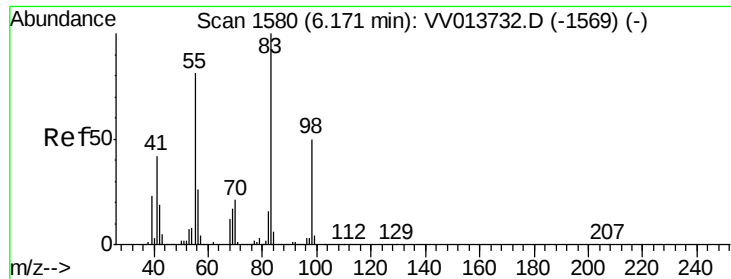
Tgt Ion: 62 Resp: 2519
 Ion Ratio Lower Upper
 62 100
 98 12.2 8.2 12.2



#34
 Trichloroethene
 Concen: 21.308 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV013750.D
 Acq: 22 Nov 2019 21:47

Tgt Ion: 95 Resp: 487918
 Ion Ratio Lower Upper
 95 100
 97 64.8 45.6 84.8
 132 106.1 70.5 130.9
 130 108.4 75.9 140.9

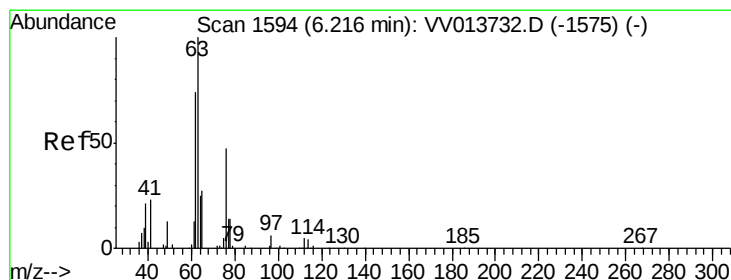
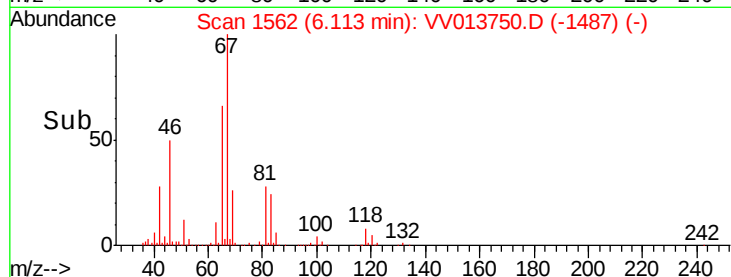
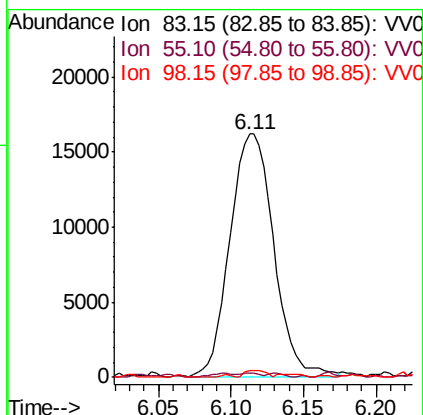
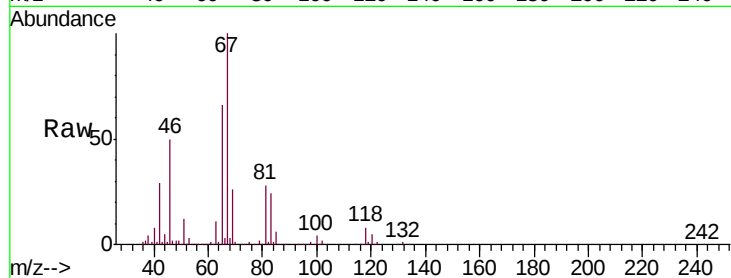




#35
Methylcyclohexane
Concen: 1.122 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV013750.D
Acq: 22 Nov 2019 21:47

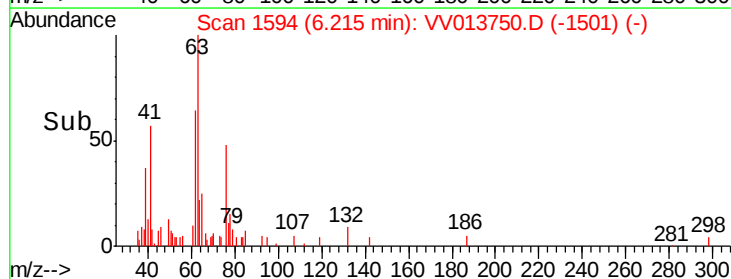
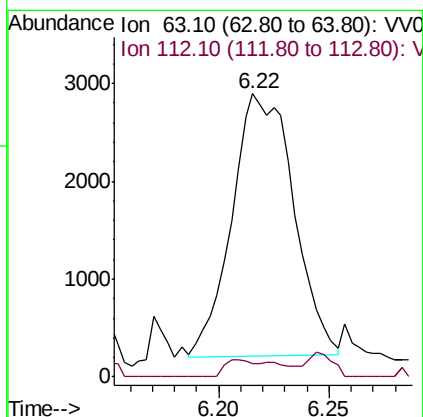
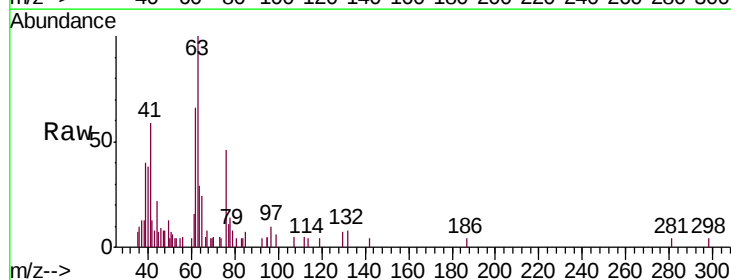
Instrument :
MSVOA_V
ClientSampleId :
B0AC0

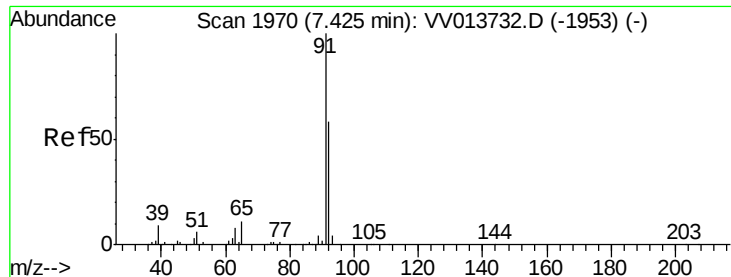
Tgt Ion: 83 Resp: 34278
Ion Ratio Lower Upper
83 100
55 0.8 60.3 90.5#
98 1.4 38.1 57.1#



#37
1,2-Dichloropropane
Concen: 0.244 ug/L
RT: 6.22 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VV013750.D
Acq: 22 Nov 2019 21:47

Tgt Ion: 63 Resp: 5201
Ion Ratio Lower Upper
63 100
112 3.3 4.4 6.6#





#42

Toluene

Concen: 0.061 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV013750.D

Acq: 22 Nov 2019 21:47

Instrument :

MSVOA_V

ClientSampleId :

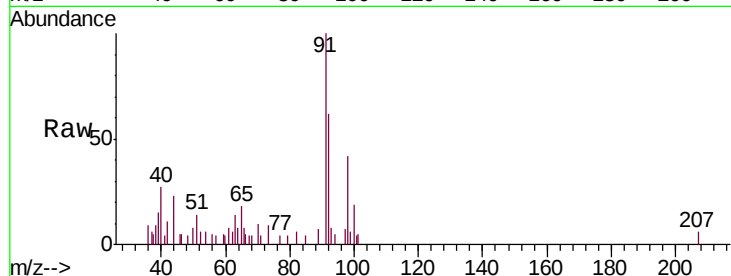
B0AC0

Tgt Ion: 91 Resp: 5472

Ion Ratio Lower Upper

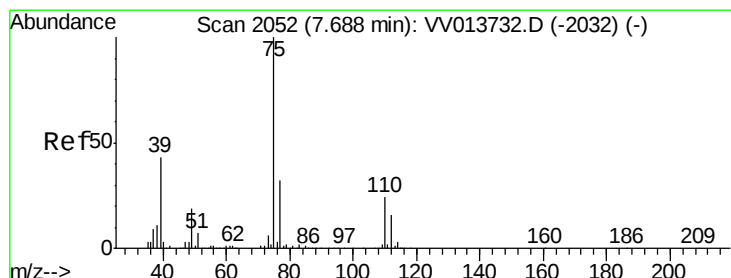
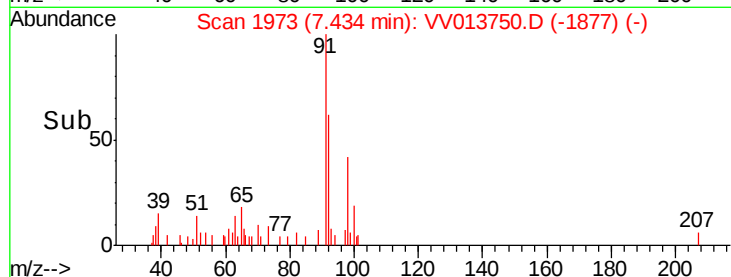
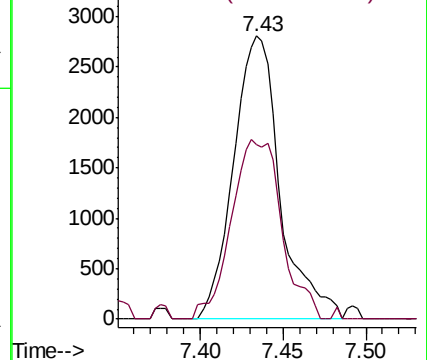
91 100

92 61.6 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV013732.D (-1953) (-)

Ion 92.15 (91.85 to 92.85): VV013732.D (-1953) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 7.66 min Scan# 2042

Delta R.T. -0.03 min

Lab File: VV013750.D

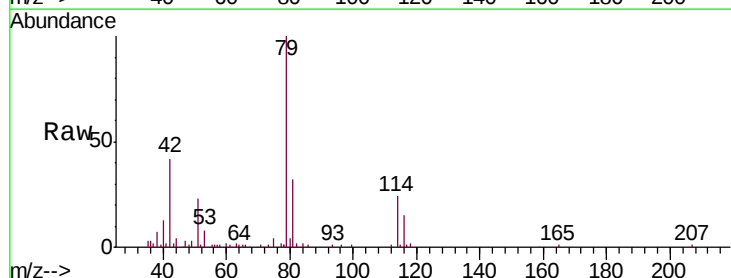
Acq: 22 Nov 2019 21:47

Tgt Ion: 75 Resp: 2016

Ion Ratio Lower Upper

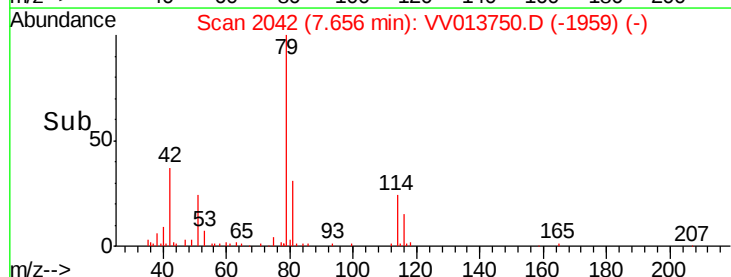
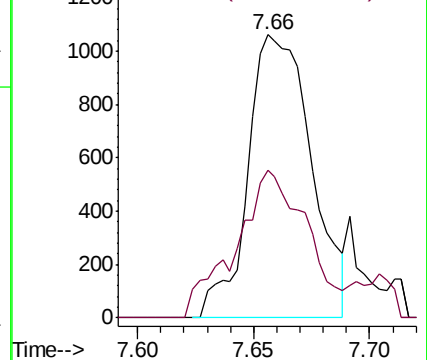
75 100

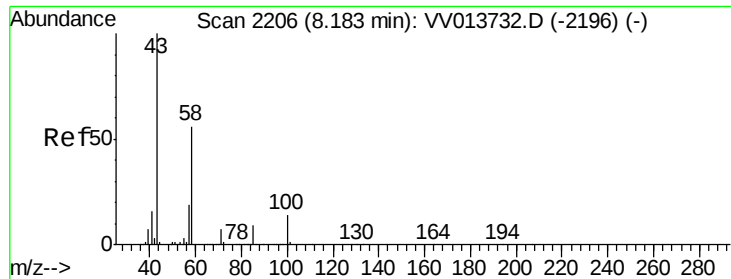
77 52.2 23.0 42.8#



Abundance Ion 75.05 (74.75 to 75.75): VV013732.D (-2032) (-)

Ion 77.05 (76.75 to 77.75): VV013732.D (-2032) (-)





#48

2-Hexanone

Concen: 2.939 ug/L

RT: 8.13 min Scan# 2189

Delta R.T. -0.05 min

Lab File: VV013750.D

Acq: 22 Nov 2019 21:47

Instrument :
MSVOA_V
ClientSampleId :
B0AC0

Tgt Ion: 43 Resp: 26110

Ion Ratio Lower Upper

43 100

58 0.0 43.2 64.8#

57 37.0 15.4 23.2#

100 1.7 10.4 15.6#

