

Data File : VV012294.D
Acq On : 19 Aug 2019 23:09
Operator : SY/MD
Sample : K4373-13
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AC2

Quant Time: Aug 20 02:40:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 20 02:35:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	230333	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	220385	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	81209	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	76671	6.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	130.20%#
7) Chloroethane-d5	1.58	69	47072	5.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.40%
11) 1,1-Dichloroethene-d2	2.13	63	78670	3.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.40%
20) 2-Butanone-d5	3.93	46	204642	64.49	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	128.98%
24) Chloroform-d	4.40	84	152225	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.08	65	77593	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	5.10	84	319636	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.60%
36) 1,2-Dichloropropane-d6	6.12	67	95207	5.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.60%
41) Toluene-d8	7.36	98	278561	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
43) trans-1,3-Dichloropropene-	7.66	79	33028	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
46) 2-Hexanone-d5	8.13	63	132294	59.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.44%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	49304	3.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	106837	6.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	130.80%#

Target Compounds

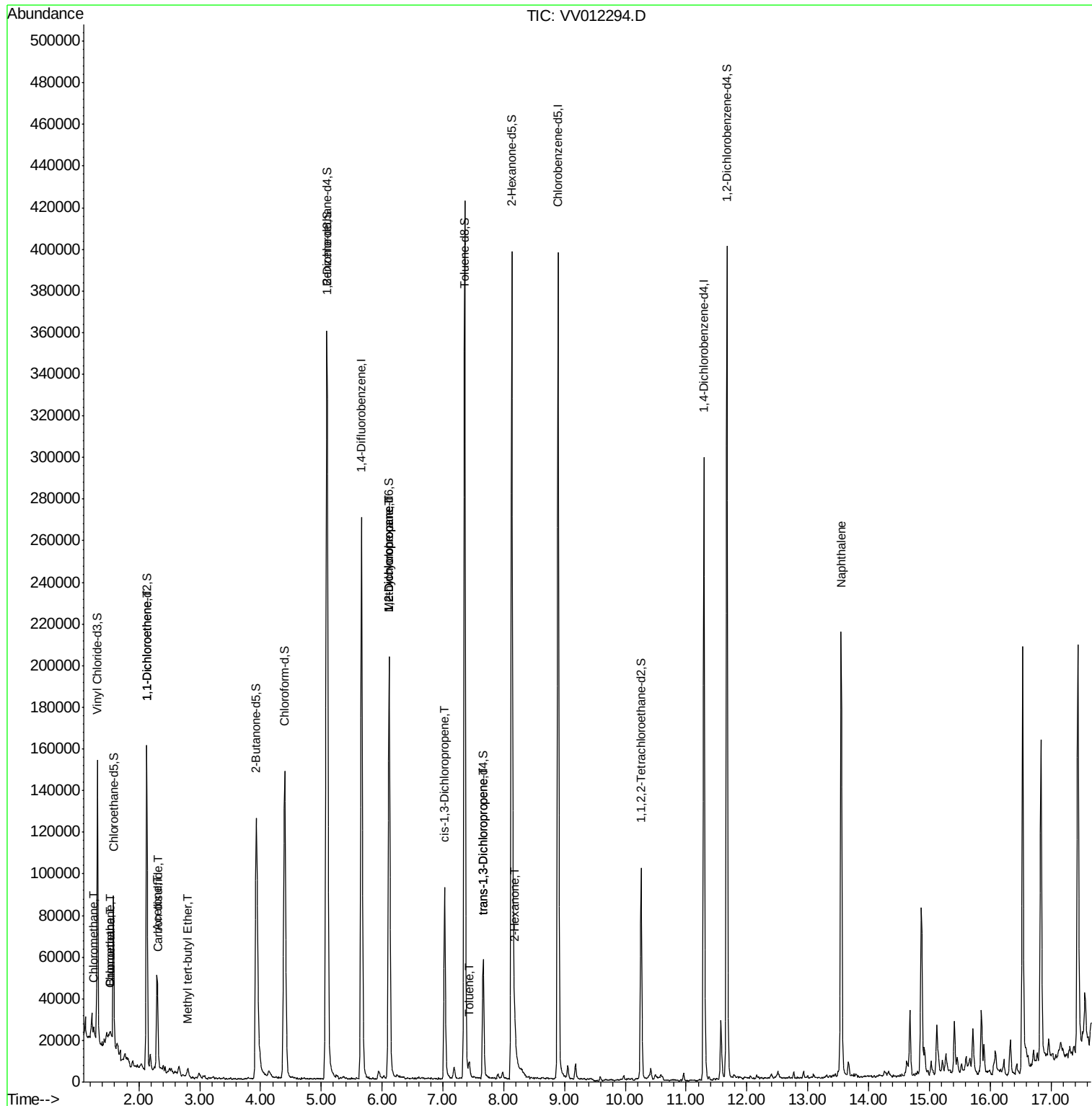
					Qvalue
3) Chloromethane	1.25	50	2672	0.186 ug/L	97
6) Bromomethane	1.53	94	819	0.105 ug/L	73
8) Chloroethane	1.51	64	2586	0.343 ug/L #	48
12) 1,1-Dichloroethene	2.13	96	741	0.070 ug/L #	1
13) Acetone	2.30	43	10601	6.387 ug/L	76
14) Carbon disulfide	2.32	76	1975	0.067 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	3450	0.102 ug/L #	80
35) Methylcyclohexane	6.12	83	23749	0.887 ug/L #	20
37) 1,2-Dichloropropane	6.12	63	10481	0.735 ug/L #	82
39) cis-1,3-Dichloropropene	7.03	75	2337	0.103 ug/L #	74
42) Toluene	7.43	91	4344	0.064 ug/L	92
44) trans-1,3-Dichloropropene	7.66	75	1514	0.084 ug/L	99
48) 2-Hexanone	8.18	43	9675	1.795 ug/L #	89
69) Naphthalene	13.55	128	173168	7.637 ug/L	99

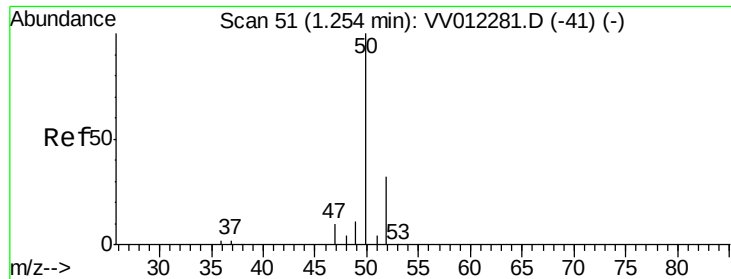
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.186 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV012294.D

Acq: 19 Aug 2019 23:09

Instrument :

MSVOA_V

ClientSampled :

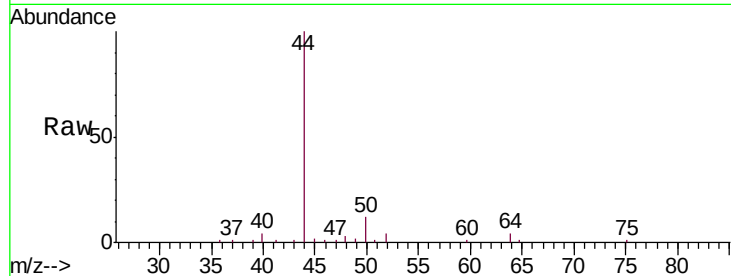
C0AC2

Tgt Ion: 50 Resp: 2672

Ion Ratio Lower Upper

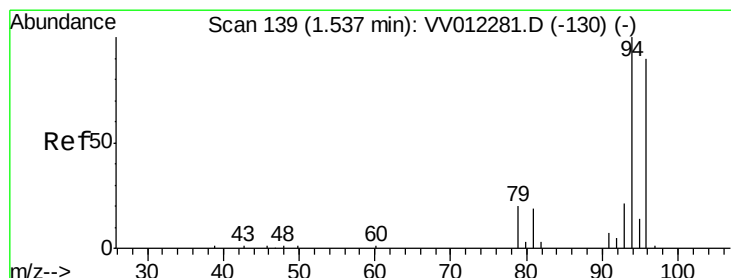
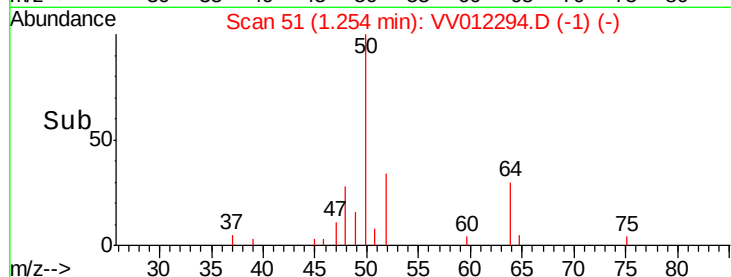
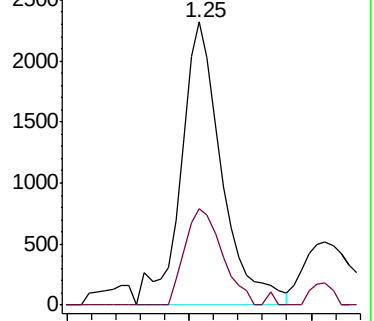
50 100

52 34.0 22.6 42.0



Abundance Ion 50.05 (49.75 to 50.75): VV012281.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV012294.D (-46) (-)



#6

Bromomethane

Concen: 0.105 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV012294.D

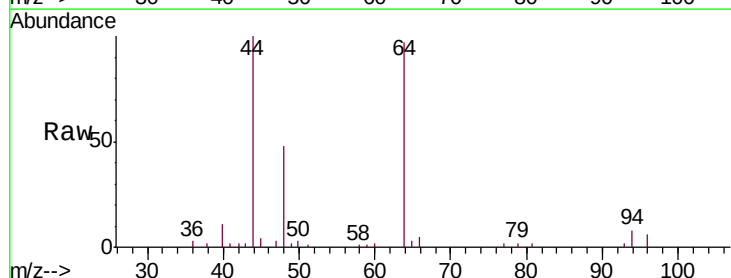
Acq: 19 Aug 2019 23:09

Tgt Ion: 94 Resp: 819

Ion Ratio Lower Upper

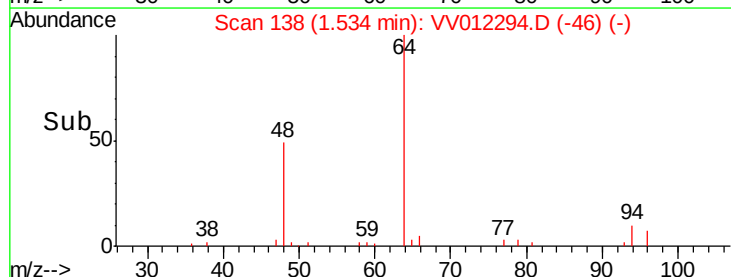
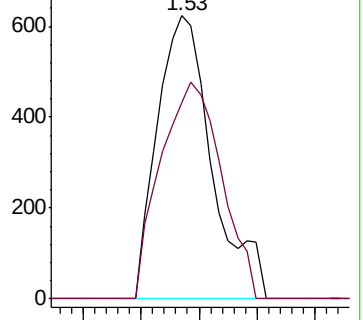
94 100

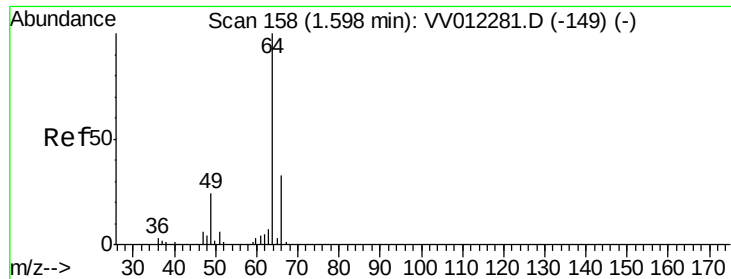
96 69.3 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV012281.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV012294.D (-46) (-)





#8

Chloroethane

Concen: 0.343 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.09 min

Lab File: VV012294.D

Acq: 19 Aug 2019 23:09

Instrument :

MSVOA_V

ClientSampleId :

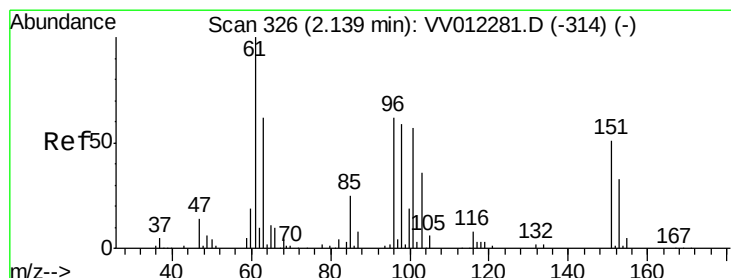
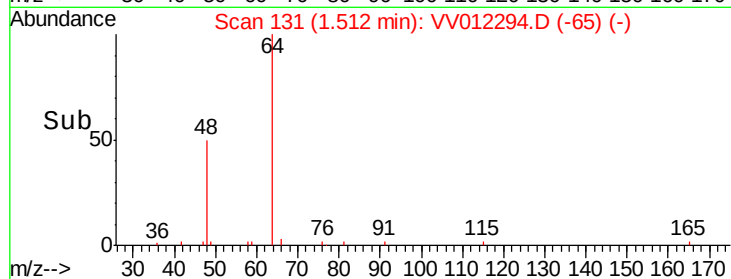
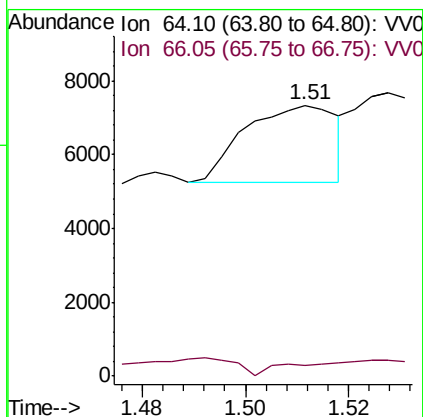
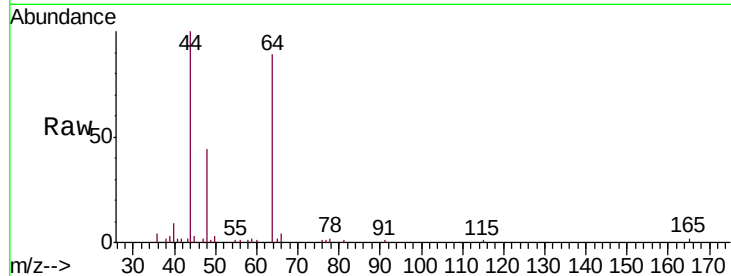
C0AC2

Tgt Ion: 64 Resp: 2586

Ion Ratio Lower Upper

64 100

66 4.2 23.7 44.1#



#12

1,1-Dichloroethene

Concen: 0.070 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012294.D

Acq: 19 Aug 2019 23:09

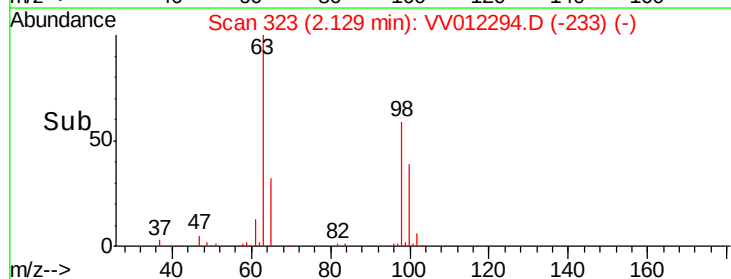
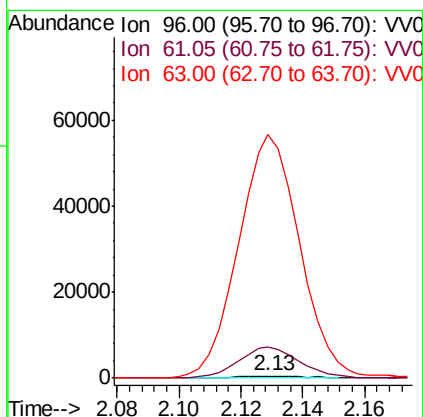
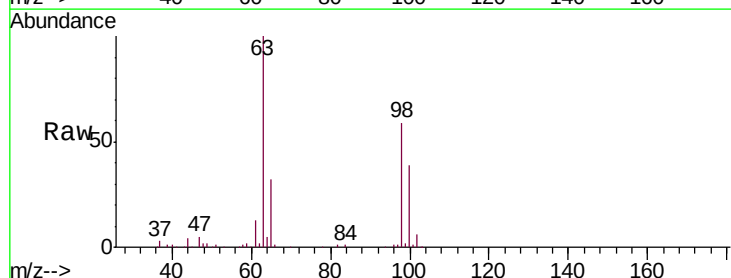
Tgt Ion: 96 Resp: 741

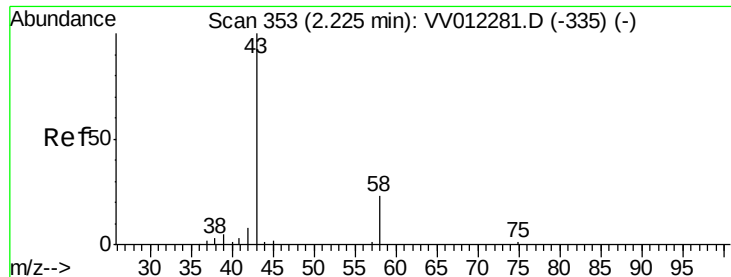
Ion Ratio Lower Upper

96 100

61 1337.2 117.7 218.7#

63 10546.0 81.1 150.5#





#13

Acetone

Concen: 6.387 ug/L

RT: 2.30 min Scan# 376

Delta R.T. 0.07 min

Lab File: VV012294.D

Acq: 19 Aug 2019 23:09

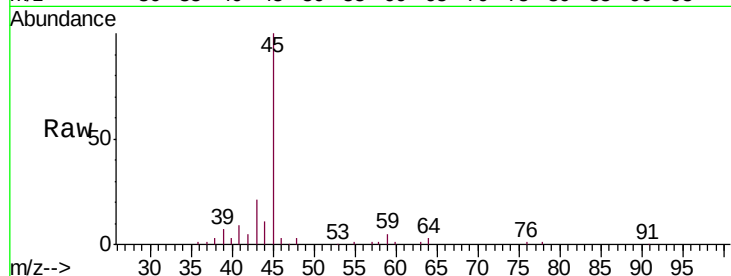
Instrument :
MSVOA_V
ClientSampled :
C0AC2

Tgt Ion: 43 Resp: 10601

Ion Ratio Lower Upper

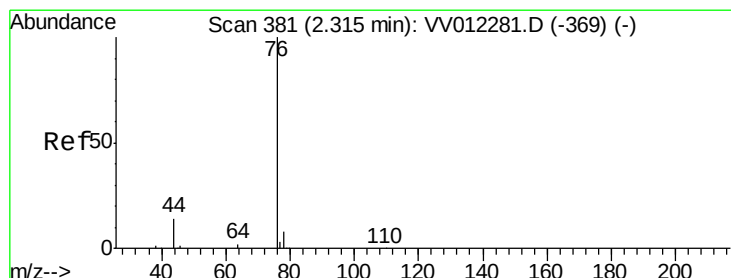
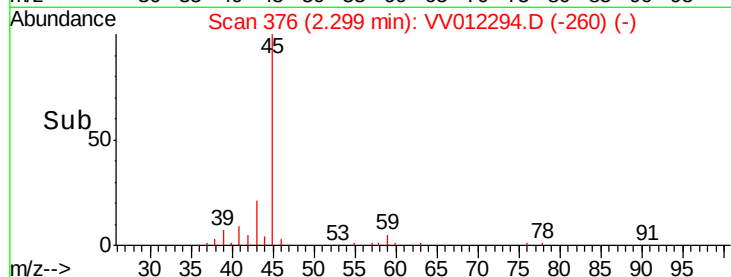
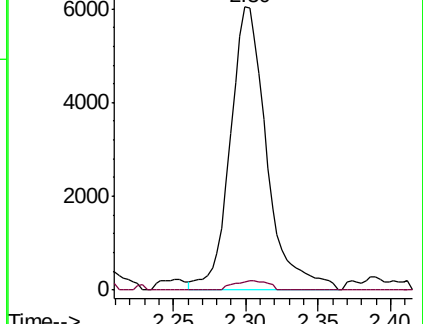
43 100

58 3.1 0.0 25.6



Abundance Ion 43.05 (42.75 to 43.75): VV012281.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV012281.D (-335) (-)



#14

Carbon disulfide

Concen: 0.067 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012294.D

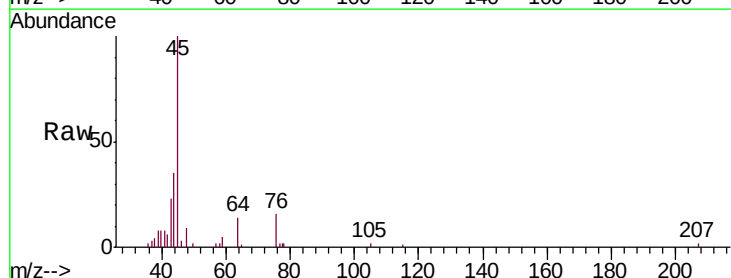
Acq: 19 Aug 2019 23:09

Tgt Ion: 76 Resp: 1975

Ion Ratio Lower Upper

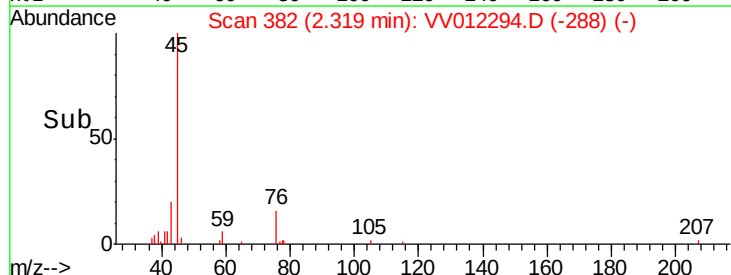
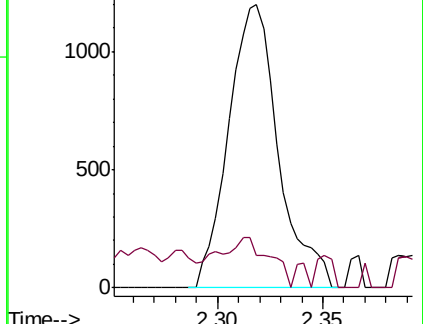
76 100

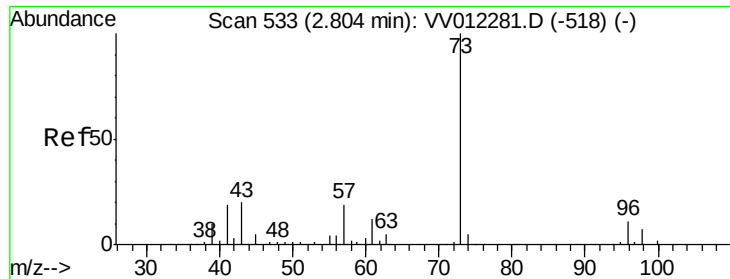
78 11.3 8.3 12.5



Abundance Ion 76.05 (75.75 to 76.75): VV012281.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV012281.D (-369) (-)

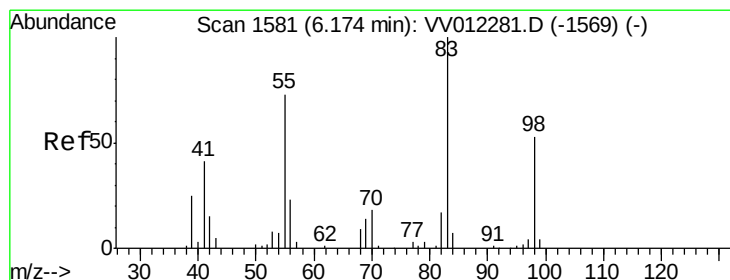
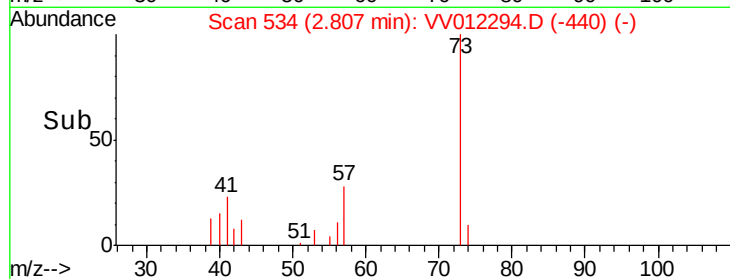
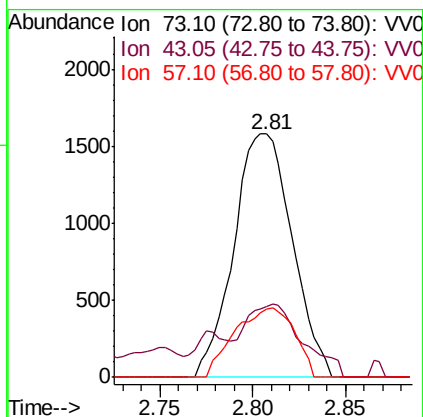
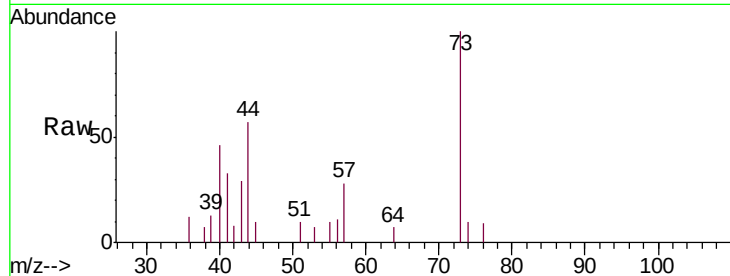




#17
Methyl tert-butyl Ether
Concen: 0.102 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV012294.D
Acq: 19 Aug 2019 23:09

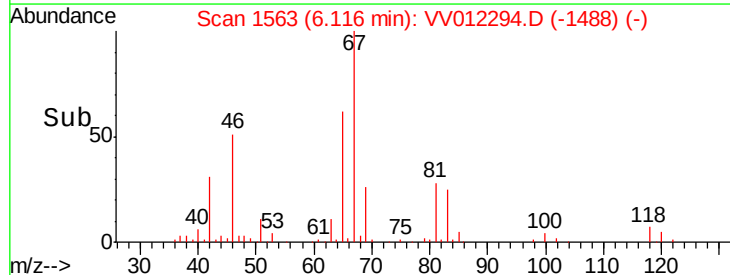
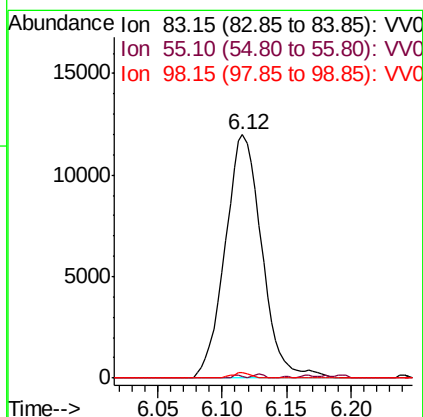
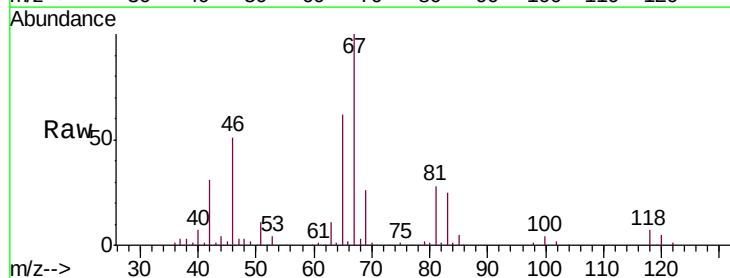
Instrument :
MSVOA_V
ClientSampleId :
C0AC2

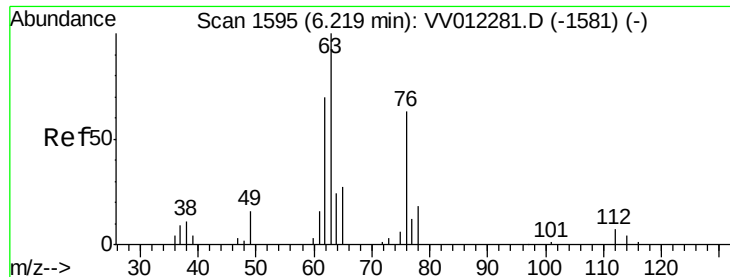
Tgt Ion: 73 Resp: 3450
Ion Ratio Lower Upper
73 100
43 30.1 17.0 25.4#
57 29.2 15.8 23.6#



#35
Methylcyclohexane
Concen: 0.887 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV012294.D
Acq: 19 Aug 2019 23:09

Tgt Ion: 83 Resp: 23749
Ion Ratio Lower Upper
83 100
55 0.3 57.3 85.9#
98 1.2 40.3 60.5#

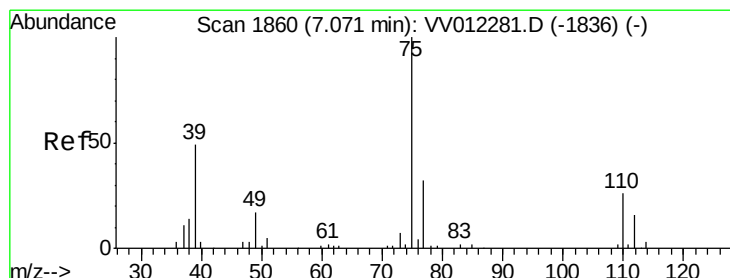
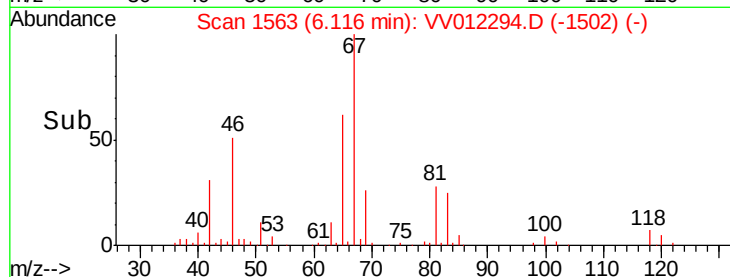
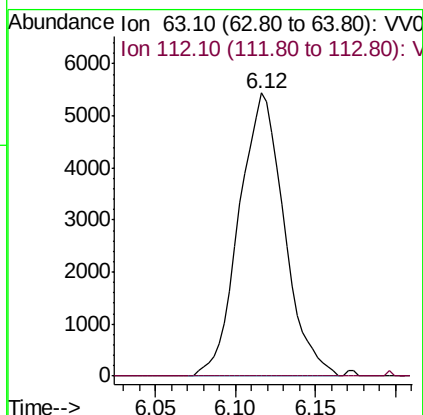
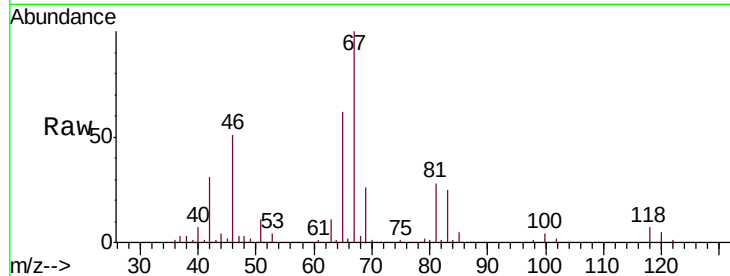




#37
 1,2-Dichloropropane
 Concen: 0.735 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV012294.D
 Acq: 19 Aug 2019 23:09

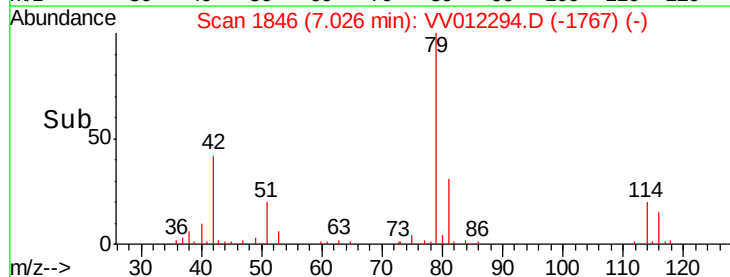
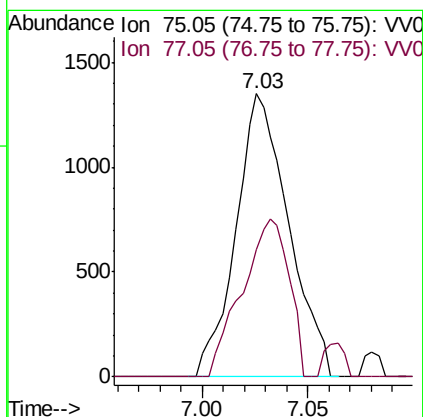
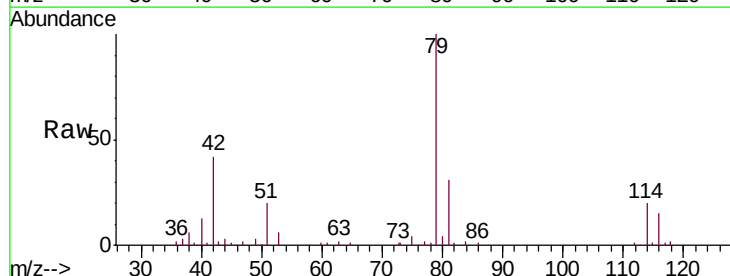
Instrument :
 MSVOA_V
 ClientSampled :
 C0AC2

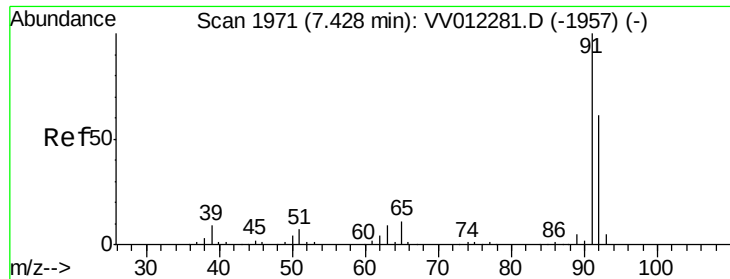
Tgt Ion: 63 Resp: 10481
 Ion Ratio Lower Upper
 63 100
 112 0.2 5.1 7.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.103 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.05 min
 Lab File: VV012294.D
 Acq: 19 Aug 2019 23:09

Tgt Ion: 75 Resp: 2337
 Ion Ratio Lower Upper
 75 100
 77 45.0 21.5 39.9#





#42

Toluene

Concen: 0.064 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV012294.D

Acq: 19 Aug 2019 23:09

Instrument :

MSVOA_V

ClientSampled :

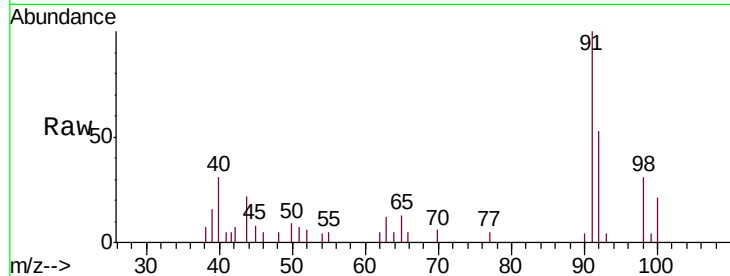
C0AC2

Tgt Ion: 91 Resp: 4344

Ion Ratio Lower Upper

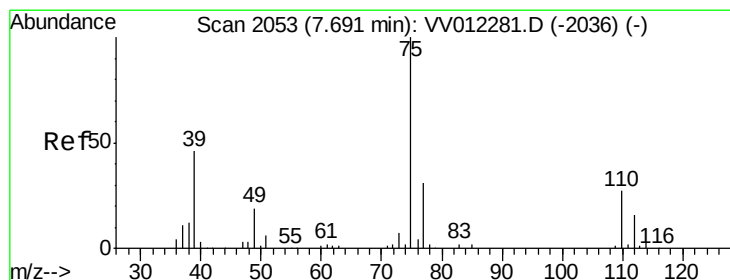
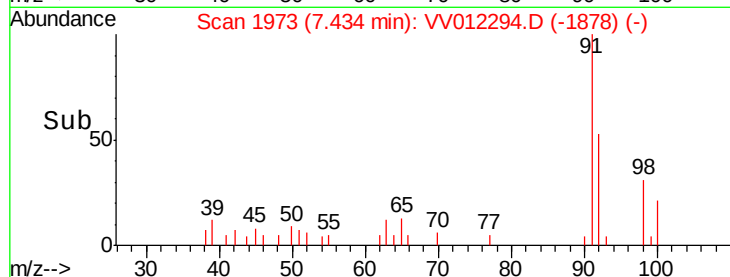
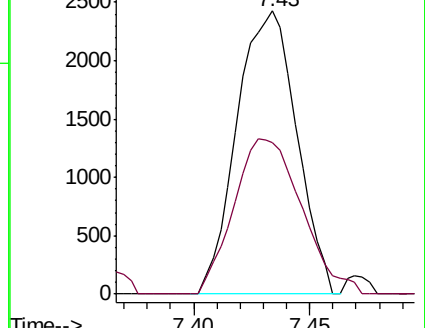
91 100

92 53.3 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VV012281.D (-1957) (-)

Ion 92.15 (91.85 to 92.85): VV012294.D (-1878) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV012294.D

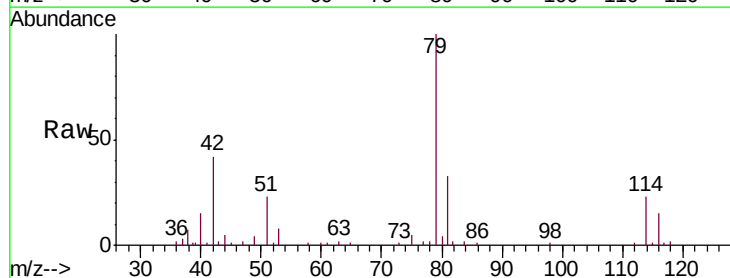
Acq: 19 Aug 2019 23:09

Tgt Ion: 75 Resp: 1514

Ion Ratio Lower Upper

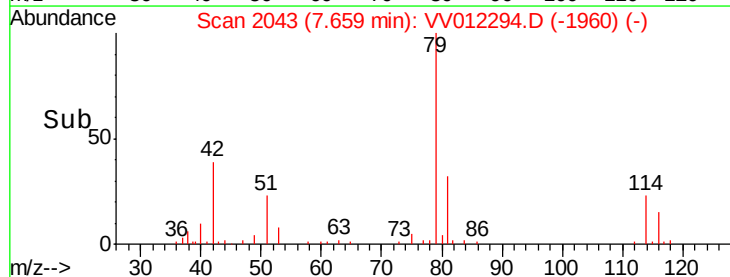
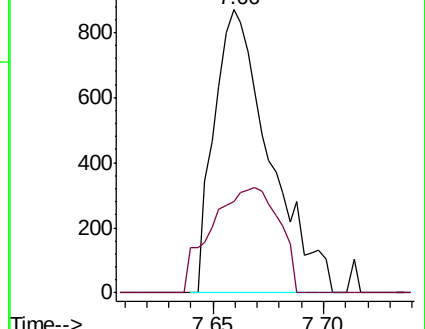
75 100

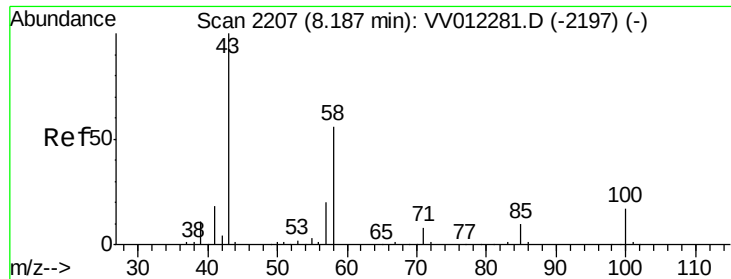
77 32.1 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VV012281.D (-2036) (-)

Ion 77.05 (76.75 to 77.75): VV012294.D (-1960) (-)

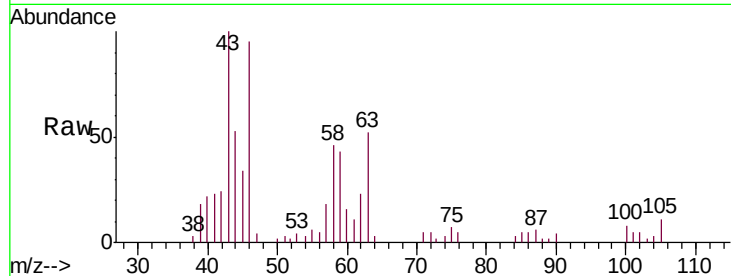




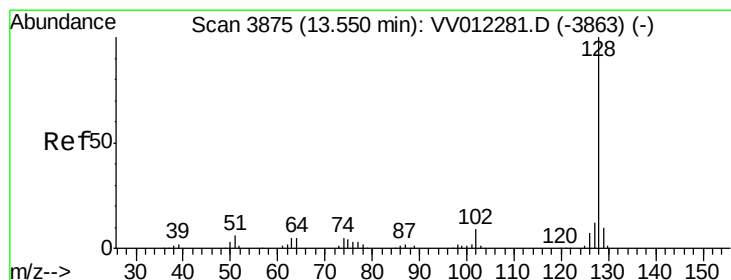
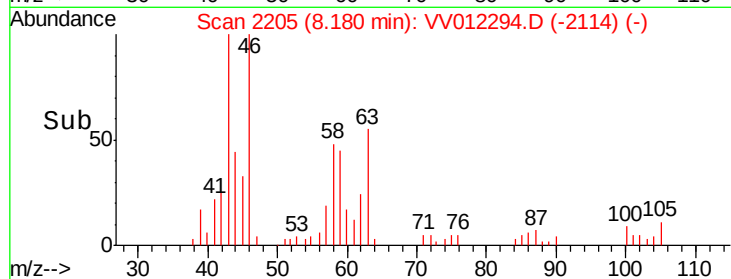
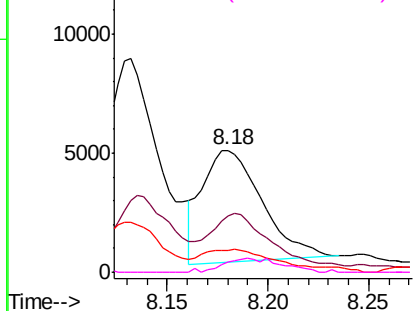
#48
2-Hexanone
Concen: 1.795 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.01 min
Lab File: VV012294.D
Acq: 19 Aug 2019 23:09

Instrument :
MSVOA_V
ClientSampleId :
C0AC2

Tgt Ion: 43 Resp: 9675
Ion Ratio Lower Upper
43 100
58 48.2 45.4 68.2
57 26.8 16.8 25.2#
100 12.3 12.2 18.2

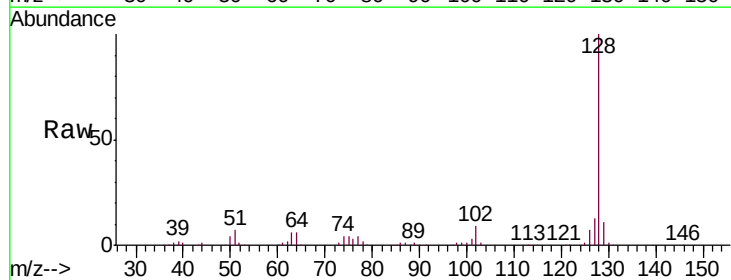


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0



#69
Naphthalene
Concen: 7.637 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. -0.00 min
Lab File: VV012294.D
Acq: 19 Aug 2019 23:09

Tgt Ion: 128 Resp: 173168
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 12.9 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

