

Data File : VV008698.D
Acq On : 21 Nov 2018 14:07
Operator : SY/MD
Sample : J6026-06DL 4X
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H0FK5DL

Quant Time: Nov 22 00:40:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 22 00:36:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	182288	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	164461	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	72672	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	41213	5.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.80%
7) Chloroethane-d5	1.59	69	30863	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	2.14	63	60938	3.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.20%
20) 2-Butanone-d5	3.96	46	114935	39.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.34%
24) Chloroform-d	4.41	84	95573	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
26) 1,2-Dichloroethane-d4	5.09	65	51046	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
32) Benzene-d6	5.10	84	205433	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.12	67	61879	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.40%
41) Toluene-d8	7.36	98	184745	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	7.67	79	19292	3.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.20%
46) 2-Hexanone-d5	8.14	63	78764	32.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	65.90%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	39261	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	61473	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

					Qvalue
5) Vinyl chloride	1.33	62	5678	0.493 ug/L	89
8) Chloroethane	1.61	64	618	0.091 ug/L	83
15) Methyl Acetate	2.46	43	5812	1.537 ug/L #	55
16) Methylene chloride	2.54	84	1984	0.193 ug/L	86
17) Methyl tert-butyl Ether	2.81	73	215662	9.589 ug/L	98
18) trans-1,2-Dichloroethene	2.80	96	11354	1.238 ug/L	95
19) 1,1-Dichloroethane	3.23	63	7521	0.324 ug/L	98
22) cis-1,2-Dichloroethene	3.97	96	39211	2.832 ug/L	97
25) Chloroform	4.43	83	3795	0.129 ug/L	99
33) Benzene	5.15	78	11926	0.229 ug/L	100
34) Trichloroethene	5.96	95	1780	0.129 ug/L	91
35) Methylcyclohexane	6.12	83	14868	0.637 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	6671	0.487 ug/L #	89
39) cis-1,3-Dichloropropene	7.03	75	1253	0.068 ug/L #	53
40) 4-Methyl-2-pentanone	7.28	43	47682	5.944 ug/L	97
42) Toluene	7.43	91	18608	0.342 ug/L	97
48) 2-Hexanone	8.14	43	9389	1.734 ug/L #	74

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112118\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 22 00:36:45 2018
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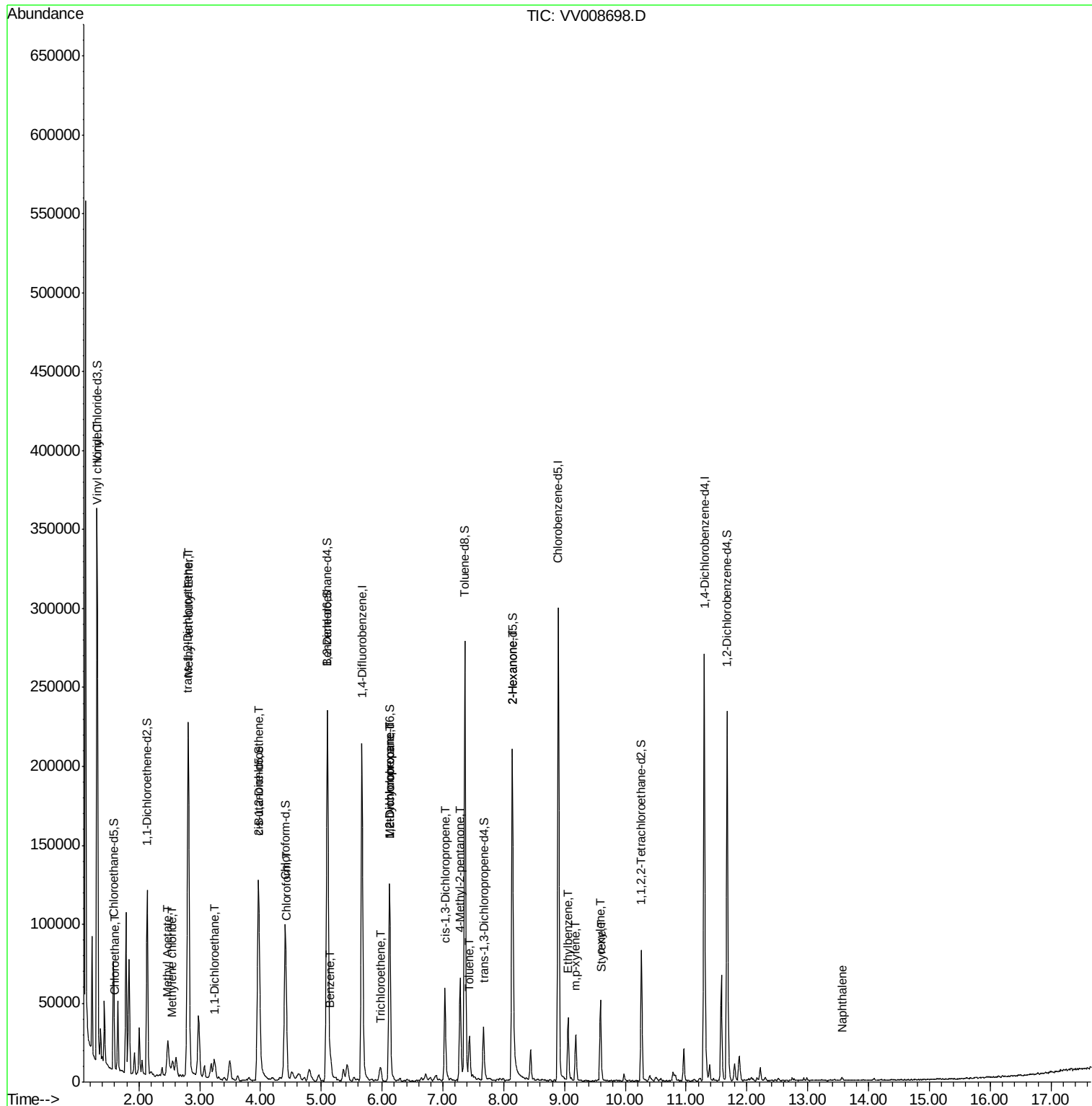
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	9.06	91	27269	0.456	ug/L	97
53) m,p-xylene	9.18	106	8237	0.373	ug/L	99
54) o-xylene	9.59	106	13523	0.628	ug/L	100
55) Styrene	9.61	104	2536	0.073	ug/L	82
69) Naphthalene	13.56	128	2221	0.099	ug/L #	76

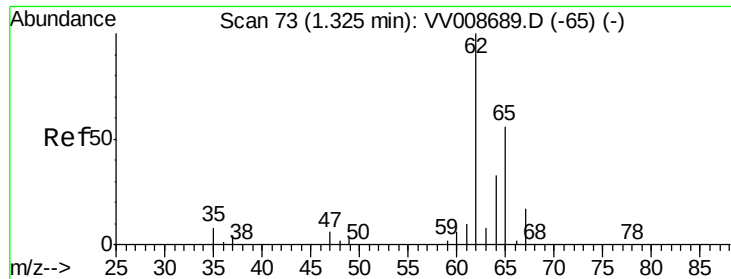
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.493 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008698.D

Acq: 21 Nov 2018 14:07

Instrument :

MSVOA_V

ClientSampleId :

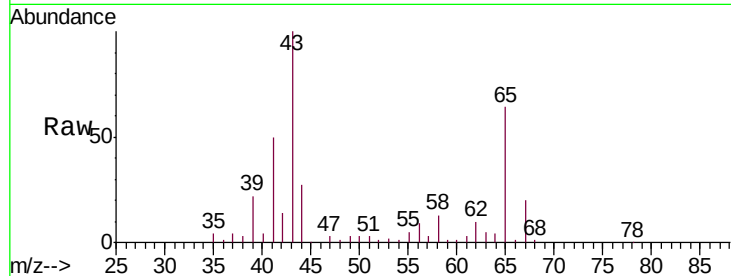
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Tgt Ion: 62 Resp: 5678

Ion Ratio Lower Upper

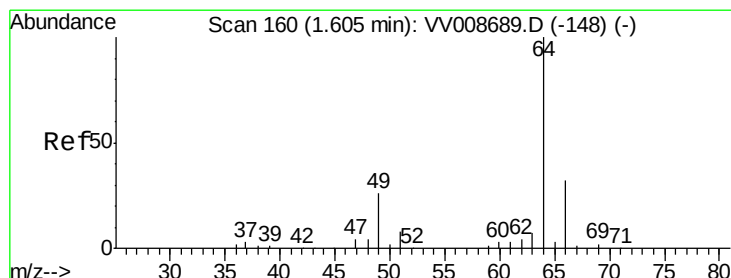
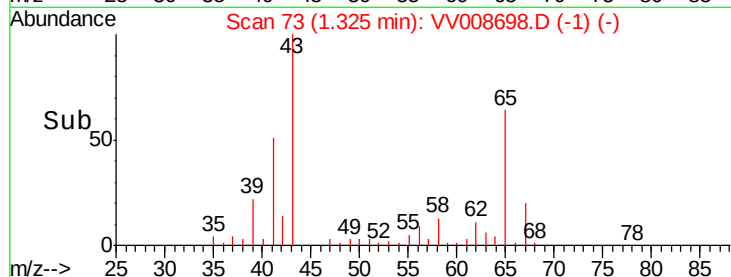
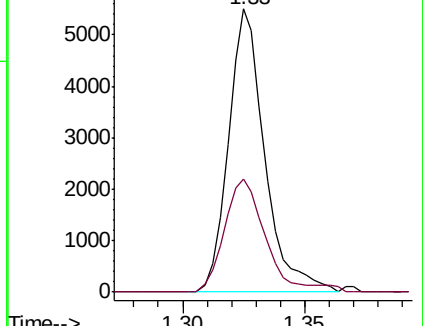
62 100

64 39.9 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV008689.D (-65) (-)

Ion 64.10 (63.80 to 64.80): VV008689.D (-65) (-)



#8

Chloroethane

Concen: 0.091 ug/L

RT: 1.61 min Scan# 161

Delta R.T. 0.00 min

Lab File: VV008698.D

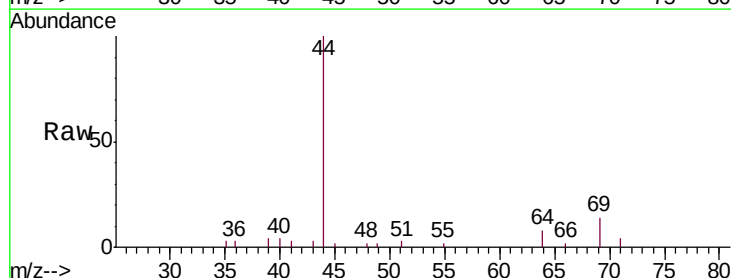
Acq: 21 Nov 2018 14:07

Tgt Ion: 64 Resp: 618

Ion Ratio Lower Upper

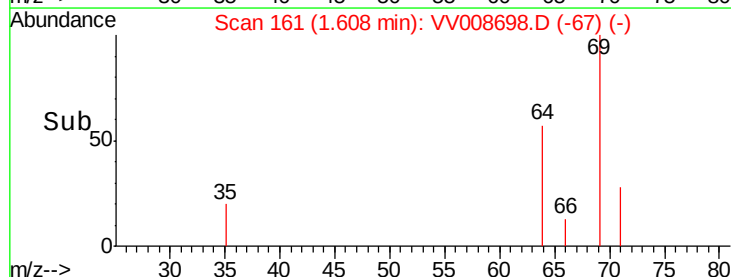
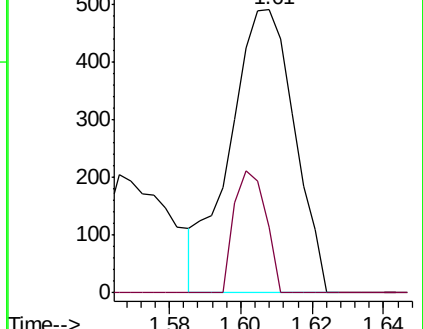
64 100

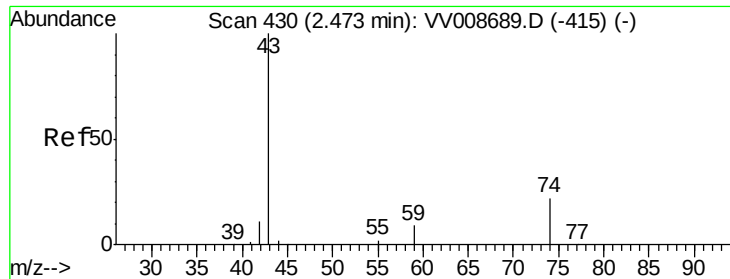
66 23.2 22.7 42.3



Abundance Ion 64.10 (63.80 to 64.80): VV008689.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV008689.D (-148) (-)

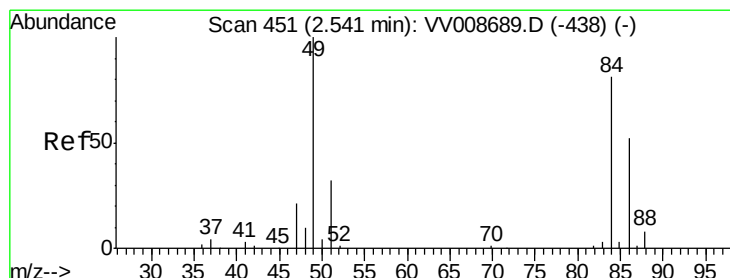
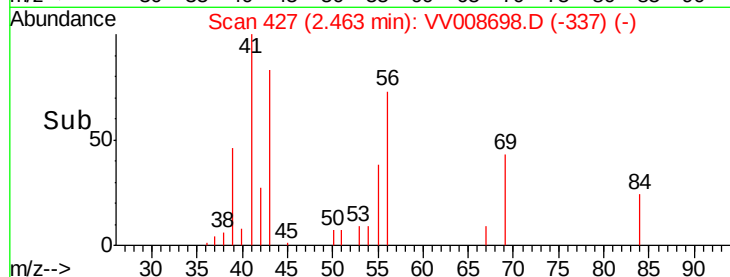
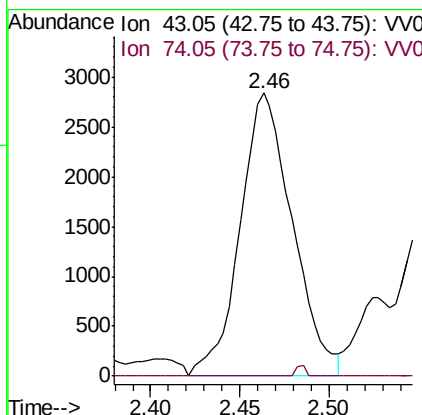
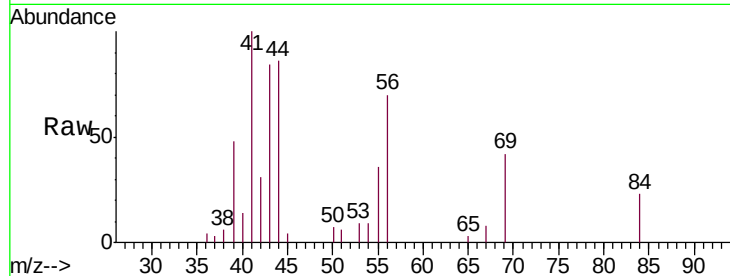




#15
Methyl Acetate
Concen: 1.537 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.01 min
Lab File: VV008698.D
Acq: 21 Nov 2018 14:07

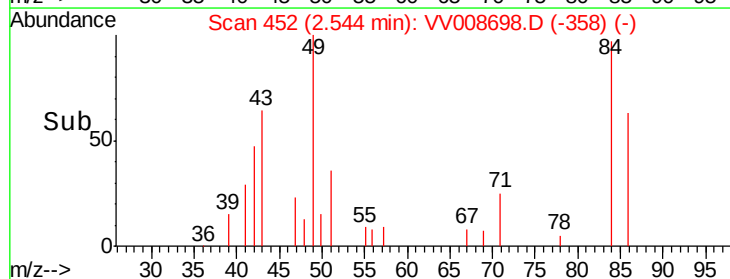
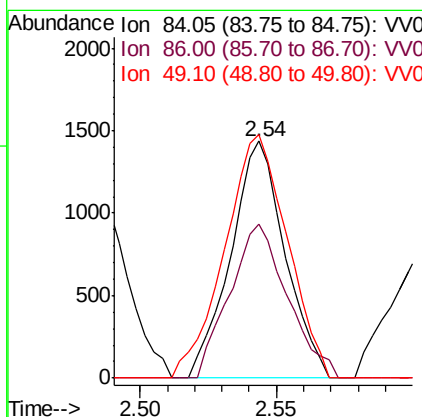
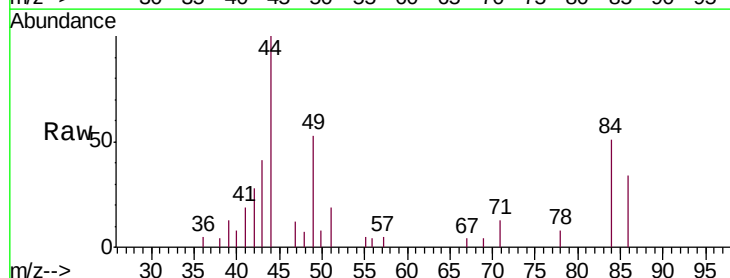
Instrument :
MSVOA_V
ClientSampleId :
H0FK5DL

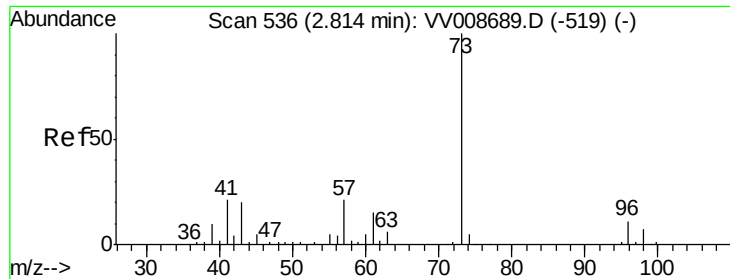
Tgt Ion: 43 Resp: 5812
Ion Ratio Lower Upper
43 100
74 0.7 17.6 26.4#



#16
Methylene chloride
Concen: 0.193 ug/L
RT: 2.54 min Scan# 452
Delta R.T. 0.00 min
Lab File: VV008698.D
Acq: 21 Nov 2018 14:07

Tgt Ion: 84 Resp: 1984
Ion Ratio Lower Upper
84 100
86 65.1 44.8 83.2
49 102.7 88.1 163.7

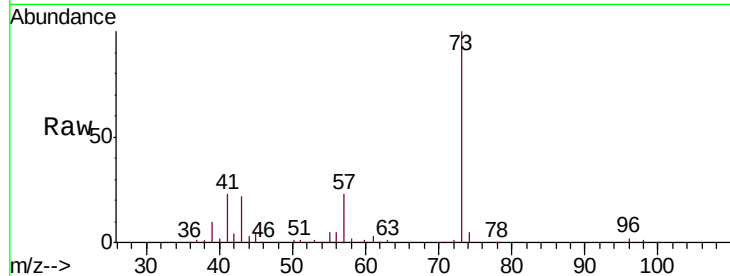




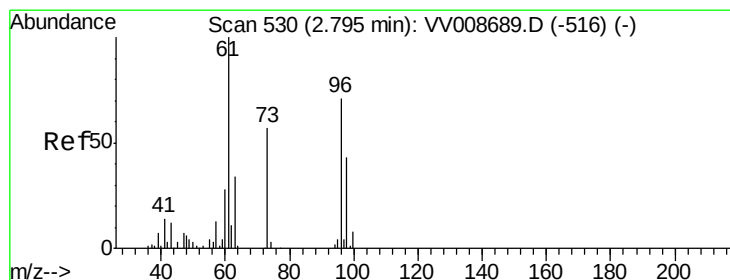
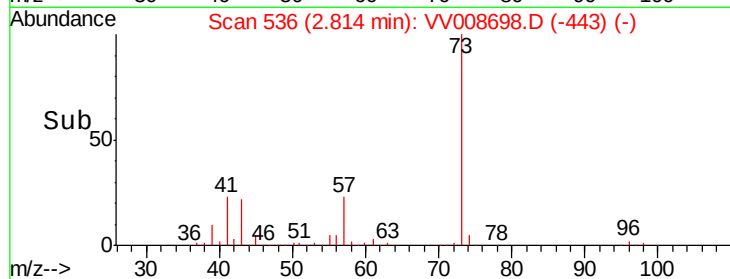
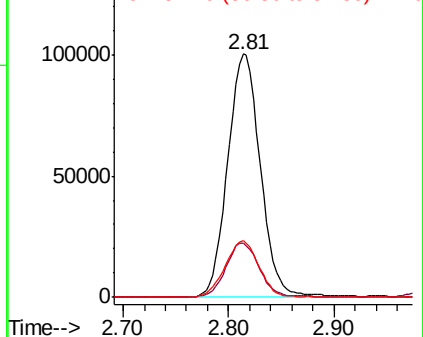
#17
Methyl tert-butyl Ether
Concen: 9.589 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV008698.D
Acq: 21 Nov 2018 14:07

Instrument :
MSVOA_V
ClientSampleId :
H0FK5DL

Tgt Ion: 73 Resp: 215662
Ion Ratio Lower Upper
73 100
43 22.4 18.1 27.1
57 24.2 17.9 26.9

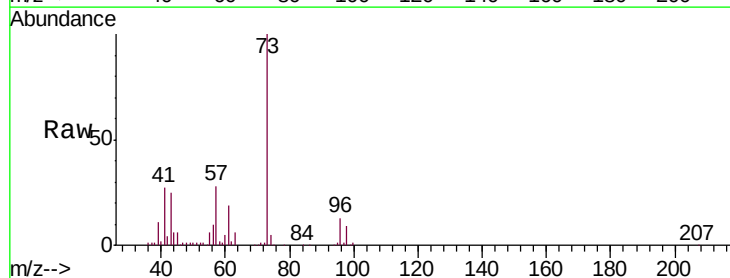


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

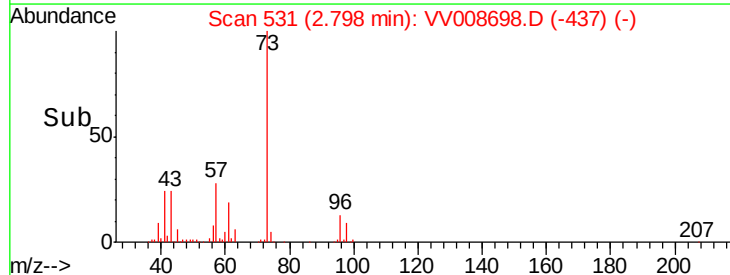
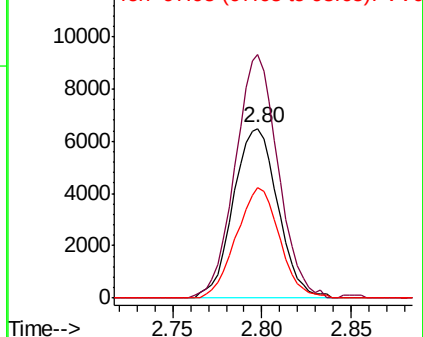


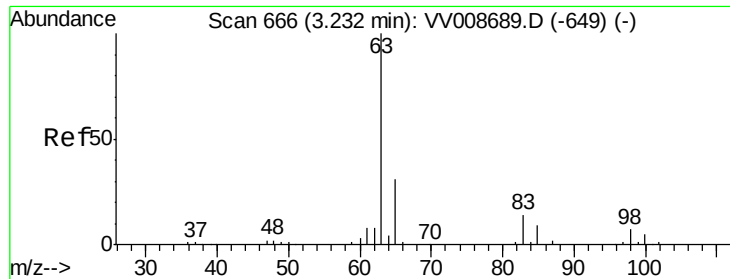
#18
trans-1,2-Dichloroethene
Concen: 1.238 ug/L
RT: 2.80 min Scan# 531
Delta R.T. 0.00 min
Lab File: VV008698.D
Acq: 21 Nov 2018 14:07

Tgt Ion: 96 Resp: 11354
Ion Ratio Lower Upper
96 100
61 143.4 97.1 180.3
98 64.8 41.9 77.7



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

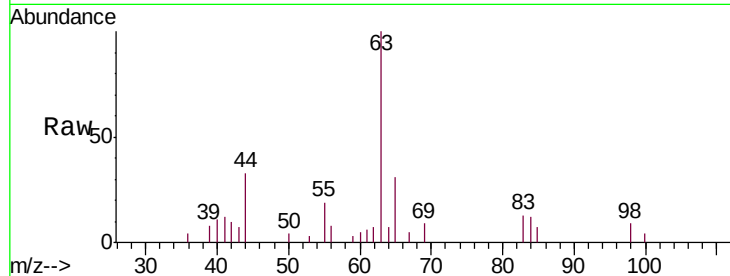




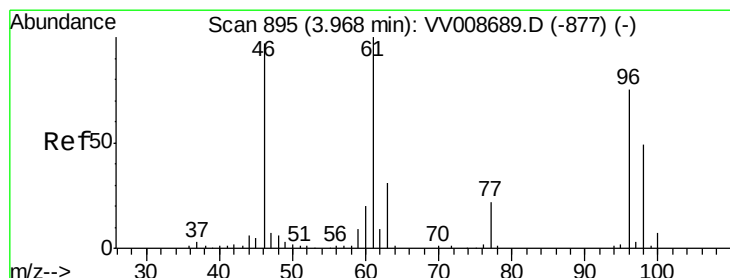
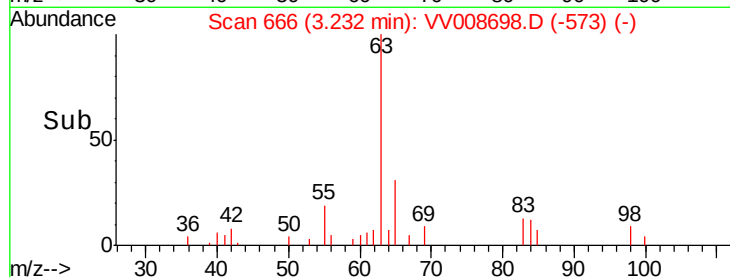
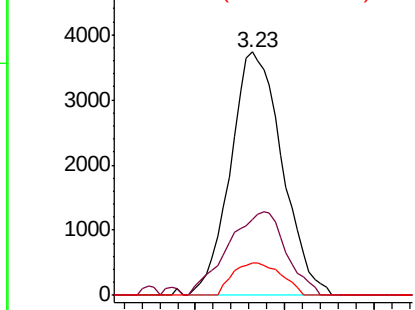
#19
 1,1-Dichloroethane
 Concen: 0.324 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV008698.D
 Acq: 21 Nov 2018 14:07

Instrument :
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 ClientSampleId :
 H0FK5DL

Tgt Ion: 63 Resp: 7521
 Ion Ratio Lower Upper
 63 100
 65 31.4 23.2 43.0
 83 13.3 9.5 17.7

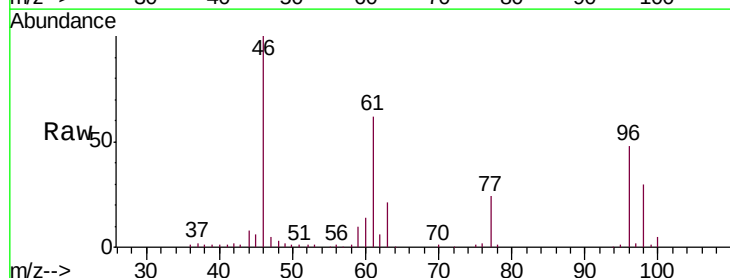


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

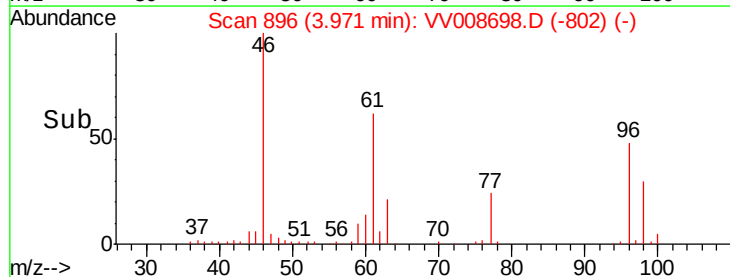
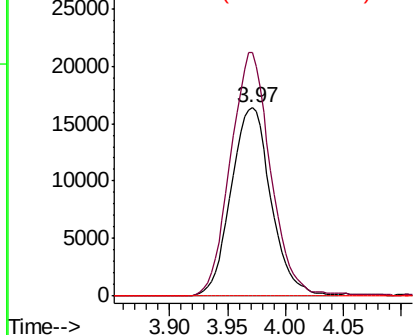


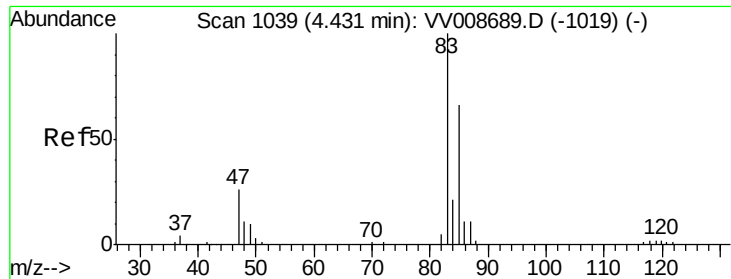
#22
 cis-1,2-Dichloroethene
 Concen: 2.832 ug/L
 RT: 3.97 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VV008698.D
 Acq: 21 Nov 2018 14:07

Tgt Ion: 96 Resp: 39211
 Ion Ratio Lower Upper
 96 100
 61 129.2 93.2 173.2
 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

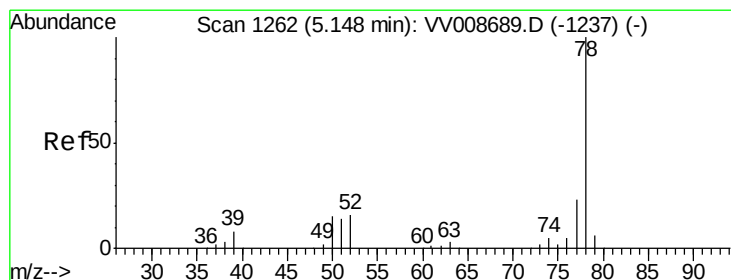
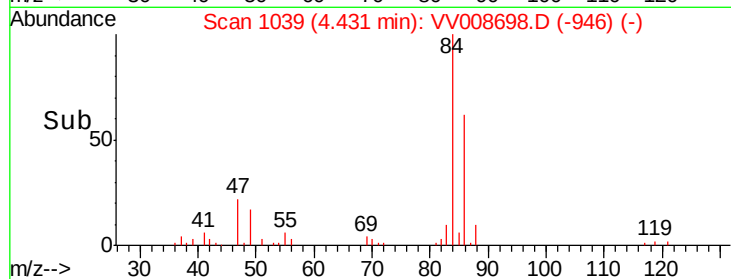
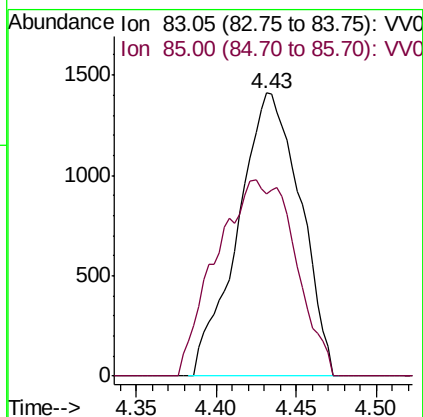
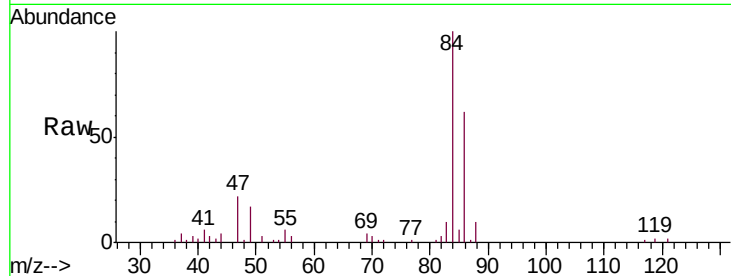




#25
Chloroform
Concen: 0.129 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV008698.D
Acq: 21 Nov 2018 14:07

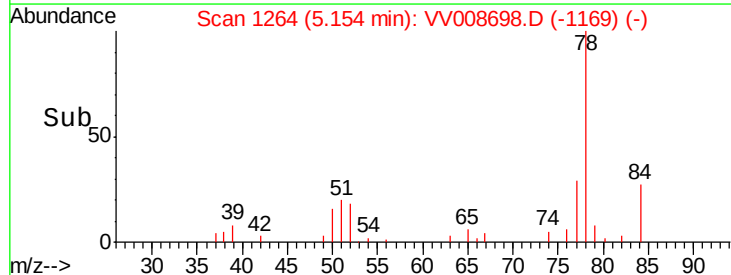
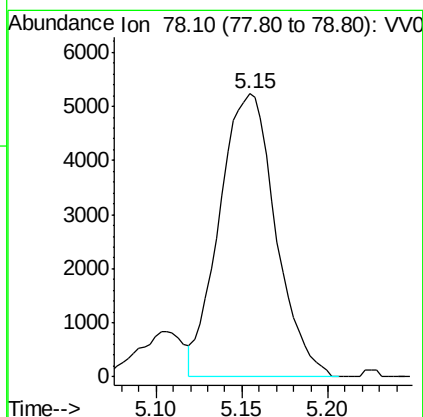
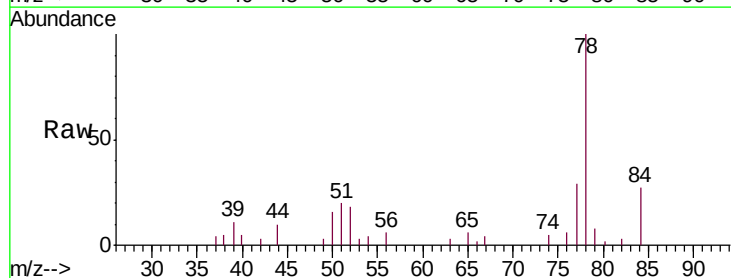
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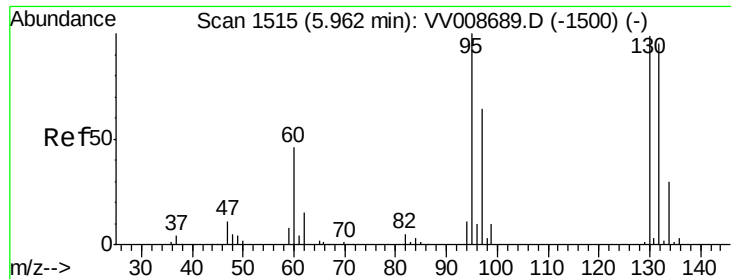
Tgt Ion: 83 Resp: 3795
Ion Ratio Lower Upper
83 100
85 64.2 44.4 82.5



#33
Benzene
Concen: 0.229 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VV008698.D
Acq: 21 Nov 2018 14:07

Tgt Ion: 78 Resp: 11926

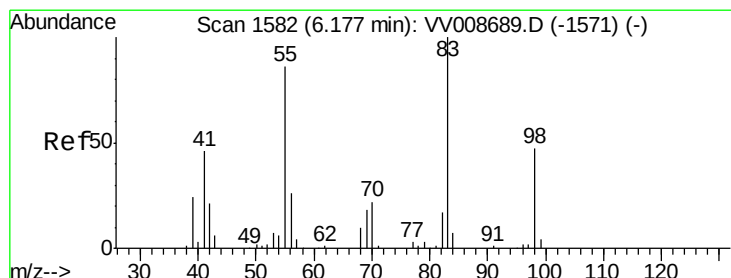
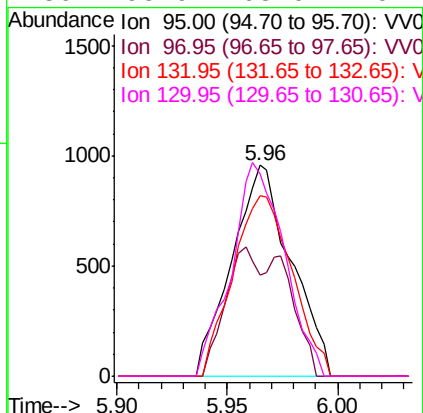
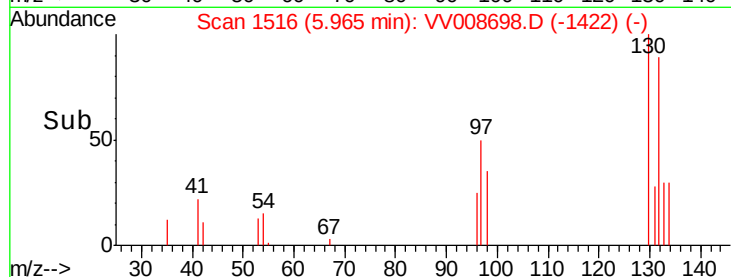
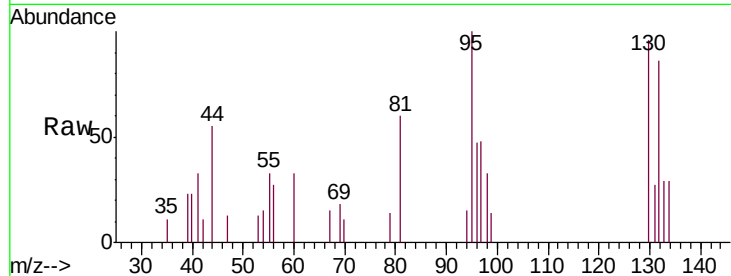




#34
 Trichloroethene
 Concen: 0.129 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.00 min
 Lab File: VV008698.D
 Acq: 21 Nov 2018 14:07

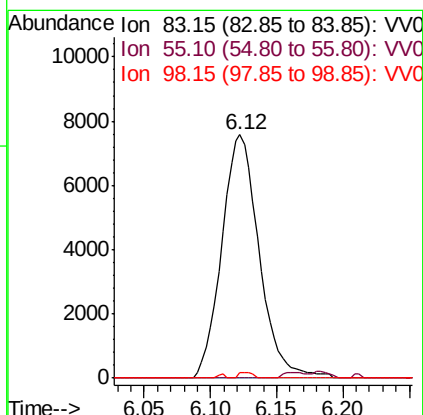
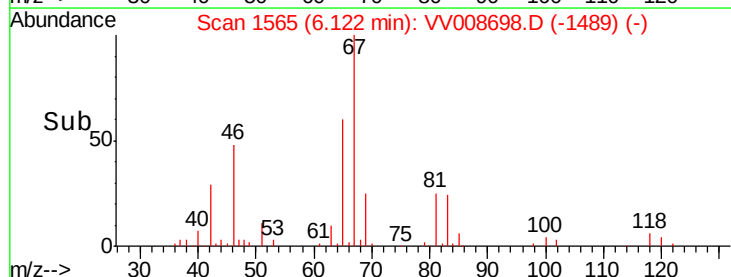
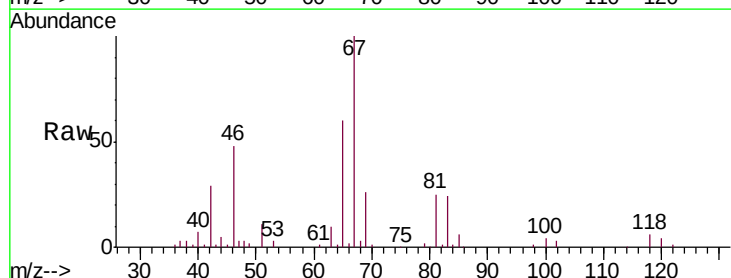
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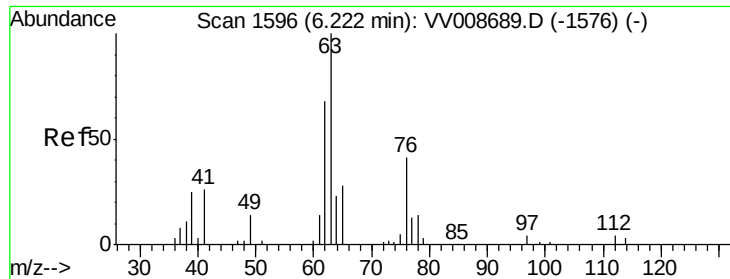
Tgt Ion: 95 Resp: 1780
 Ion Ratio Lower Upper
 95 100
 97 47.8 45.1 83.7
 132 85.8 66.3 123.1
 130 95.9 68.0 126.4



#35
 Methylcyclohexane
 Concen: 0.637 ug/L
 RT: 6.12 min Scan# 1565
 Delta R.T. -0.05 min
 Lab File: VV008698.D
 Acq: 21 Nov 2018 14:07

Tgt Ion: 83 Resp: 14868
 Ion Ratio Lower Upper
 83 100
 55 1.4 65.6 98.4#
 98 0.8 36.4 54.6#

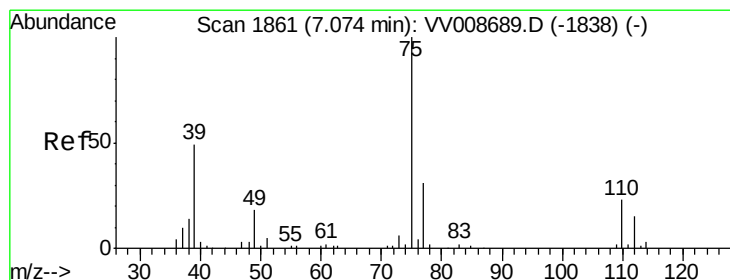
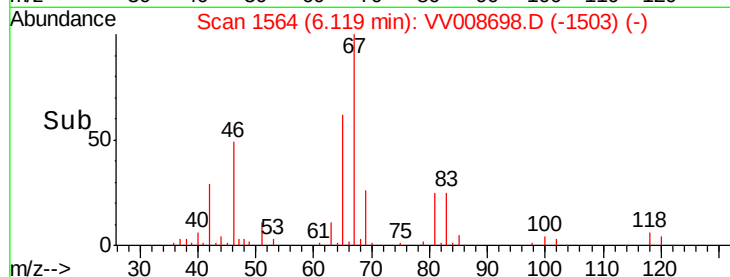
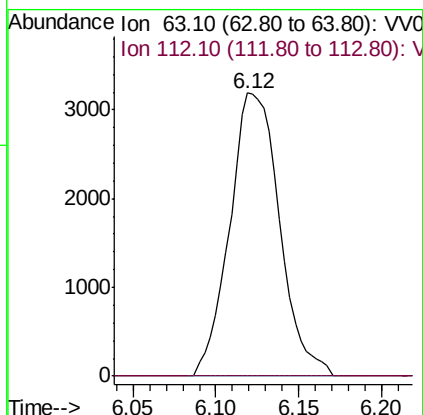
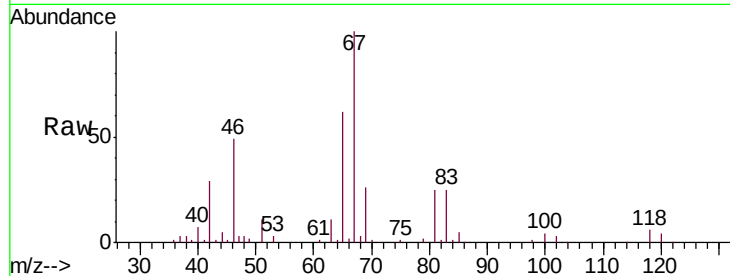




#37
 1,2-Dichloropropane
 Concen: 0.487 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV008698.D
 Acq: 21 Nov 2018 14:07

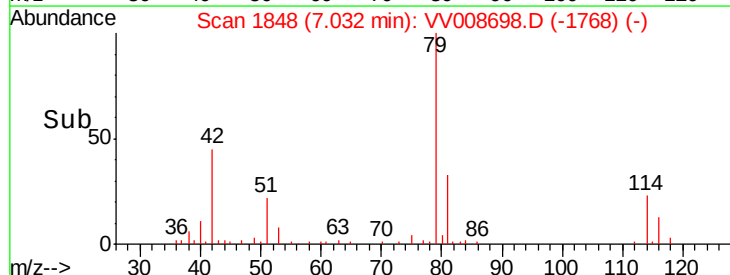
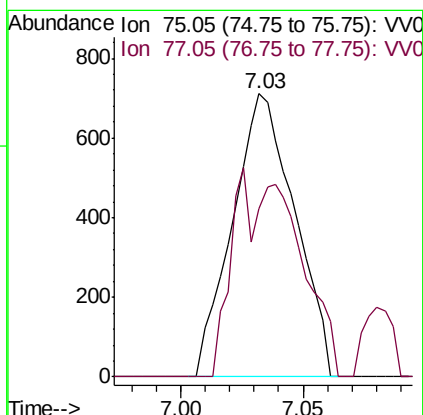
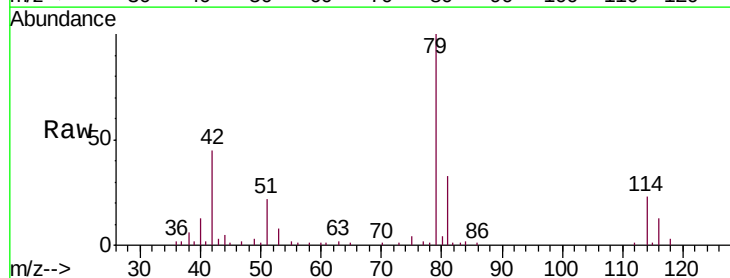
Instrument :
 MSVOA_V
 ClientSampleId :
 H0FK5DL

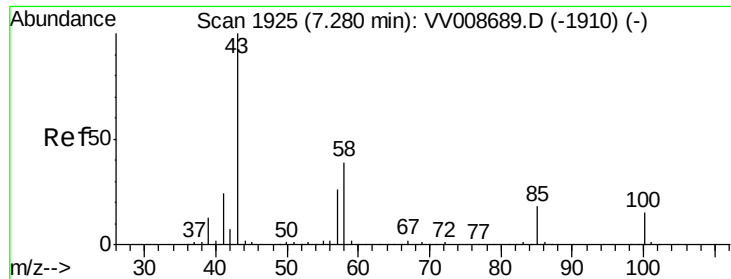
Tgt Ion: 63 Resp: 6671
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.8 4.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.068 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV008698.D
 Acq: 21 Nov 2018 14:07

Tgt Ion: 75 Resp: 1253
 Ion Ratio Lower Upper
 75 100
 77 59.4 23.0 42.8#

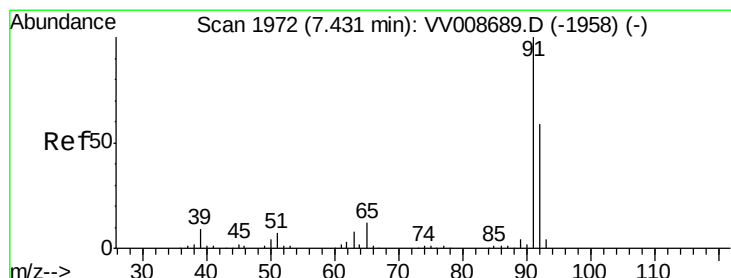
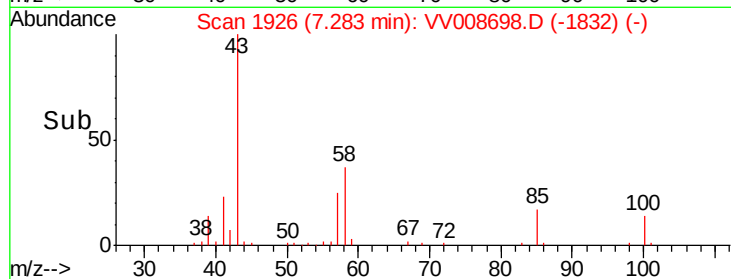
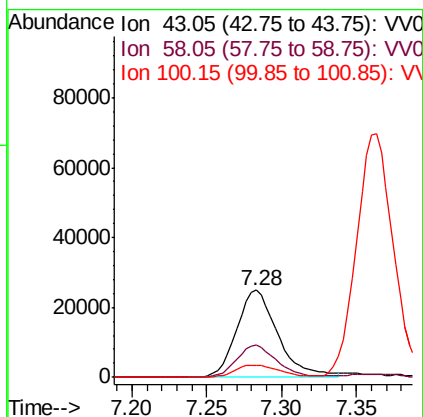
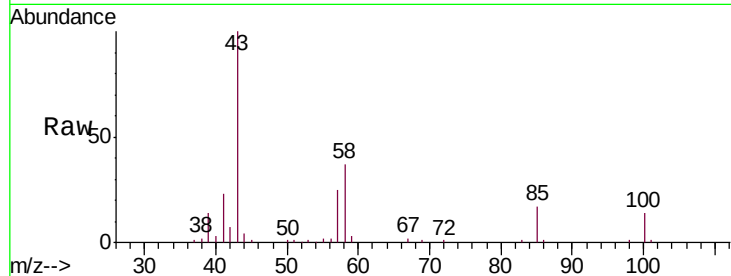




#40
 4-Methyl-2-pentanone
 Concen: 5.944 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV008698.D
 Acq: 21 Nov 2018 14:07

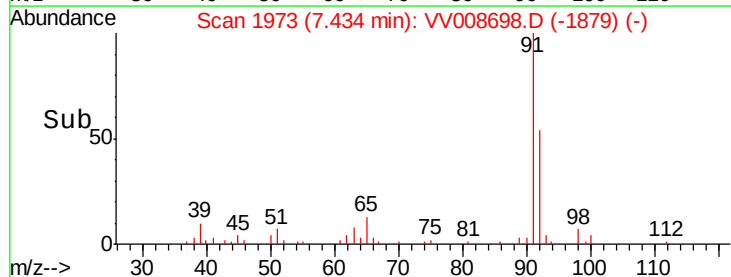
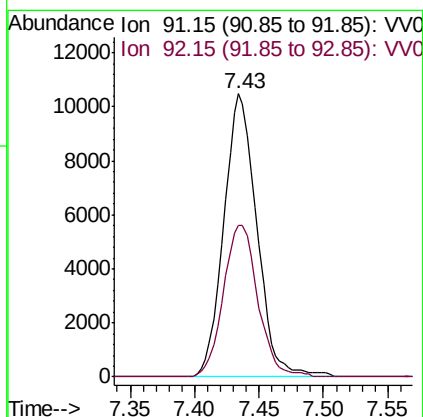
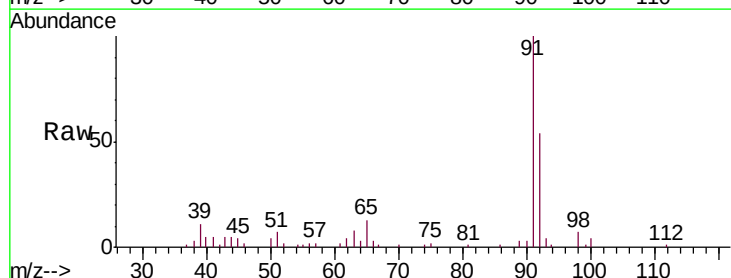
Instrument :
 MSVOA_V
 ClientSampleId :
 H0FK5DL

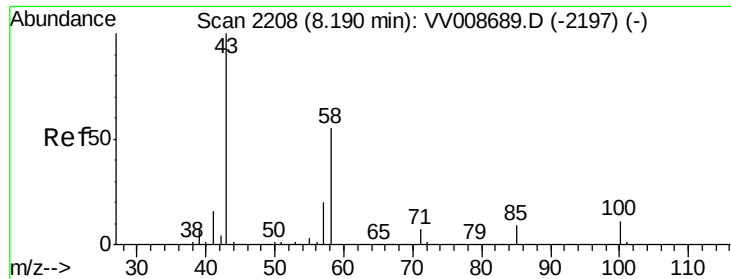
Tgt Ion: 43 Resp: 47682
 Ion Ratio Lower Upper
 43 100
 58 36.7 31.0 46.4
 100 15.1 11.1 16.7



#42
 Toluene
 Concen: 0.342 ug/L
 RT: 7.43 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VV008698.D
 Acq: 21 Nov 2018 14:07

Tgt Ion: 91 Resp: 18608
 Ion Ratio Lower Upper
 91 100
 92 53.6 39.1 72.5

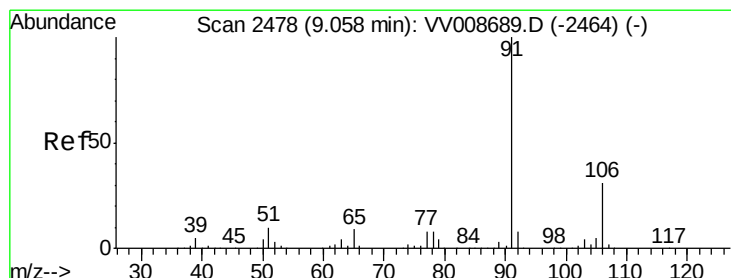
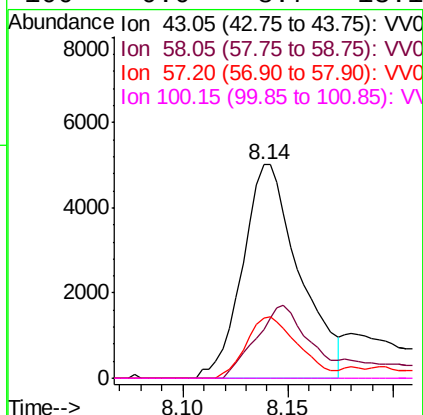
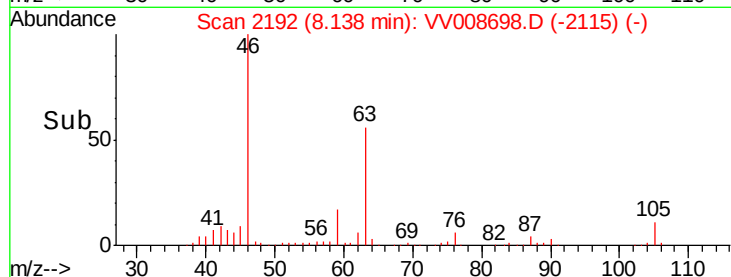
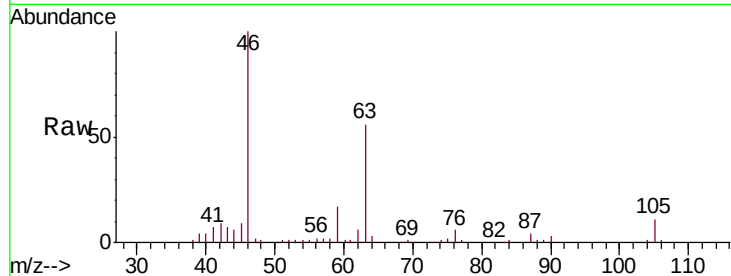




#48
2-Hexanone
Concen: 1.734 ug/L
RT: 8.14 min Scan# 2192
Delta R.T. -0.05 min
Lab File: VV008698.D
Acq: 21 Nov 2018 14:07

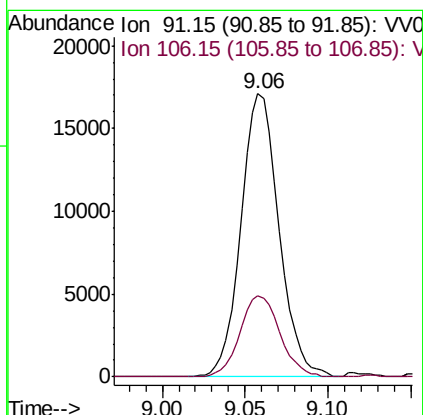
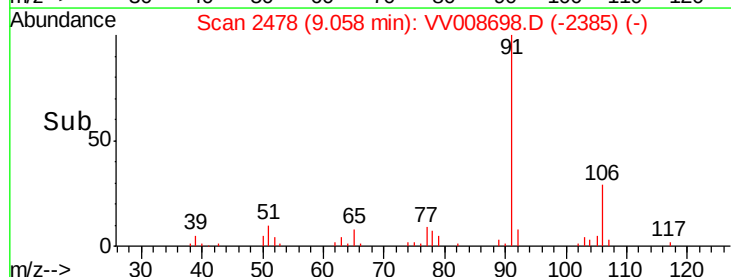
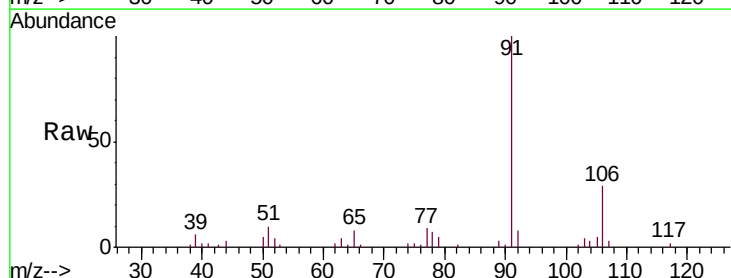
Instrument :
MSVOA_V
ClientSampleId :
H0FK5DL

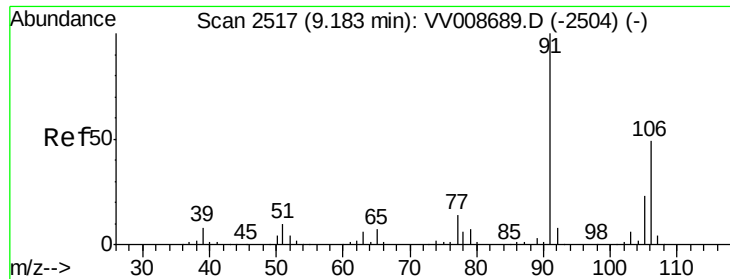
Tgt Ion: 43 Resp: 9389
Ion Ratio Lower Upper
43 100
58 31.8 41.8 62.8#
57 26.1 15.4 23.0#
100 0.0 8.7 13.1#



#52
Ethylbenzene
Concen: 0.456 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. -0.00 min
Lab File: VV008698.D
Acq: 21 Nov 2018 14:07

Tgt Ion: 91 Resp: 27269
Ion Ratio Lower Upper
91 100
106 28.6 21.3 39.6





#53

m,p-xylene

Concen: 0.373 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008698.D

Acq: 21 Nov 2018 14:07

Instrument :

MSVOA_V

ClientSampleId :

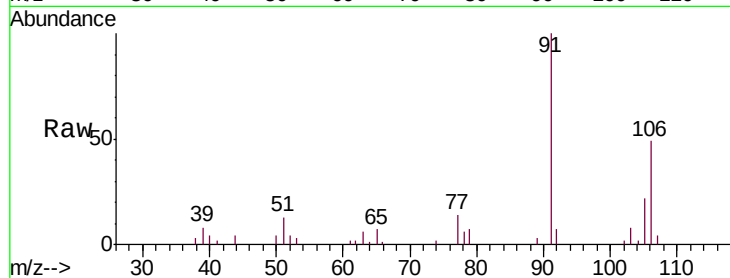
H0FK5DL

Tgt Ion:106 Resp: 8237

Ion Ratio Lower Upper

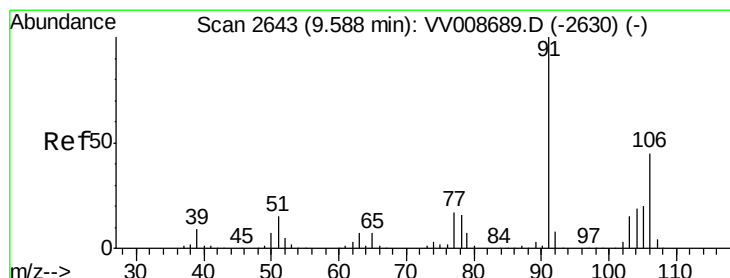
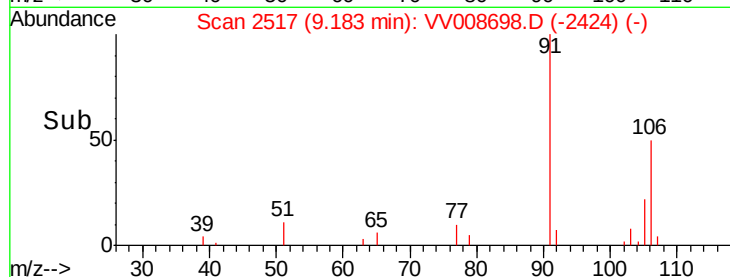
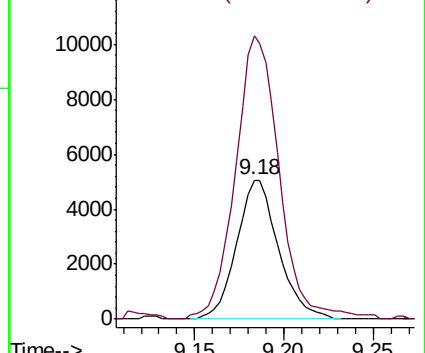
106 100

91 204.0 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 0.628 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV008698.D

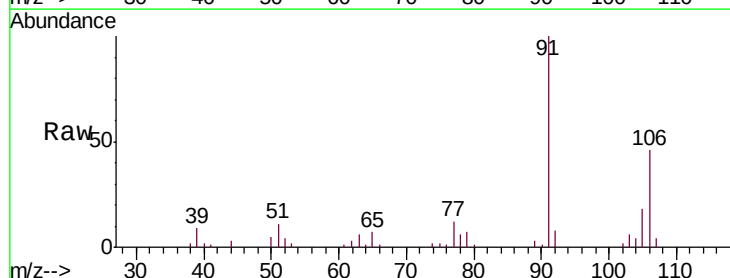
Acq: 21 Nov 2018 14:07

Tgt Ion:106 Resp: 13523

Ion Ratio Lower Upper

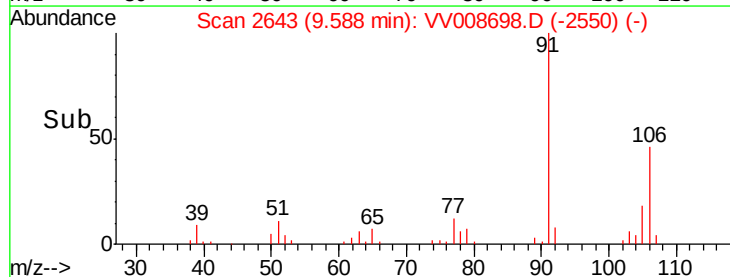
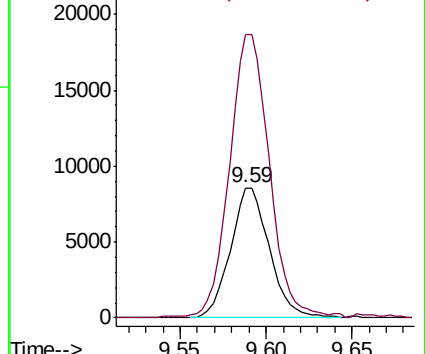
106 100

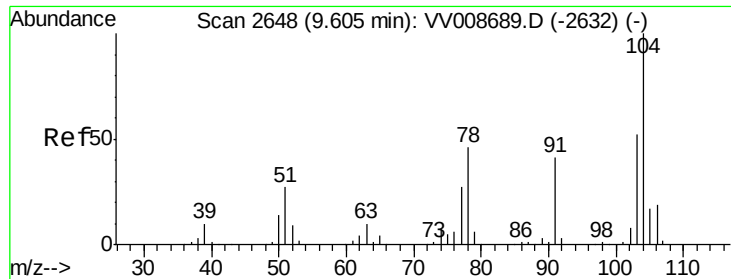
91 218.0 152.9 284.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#55

Styrene

Concen: 0.073 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008698.D

Acq: 21 Nov 2018 14:07

Instrument :

MSVOA_V

ClientSampleId :

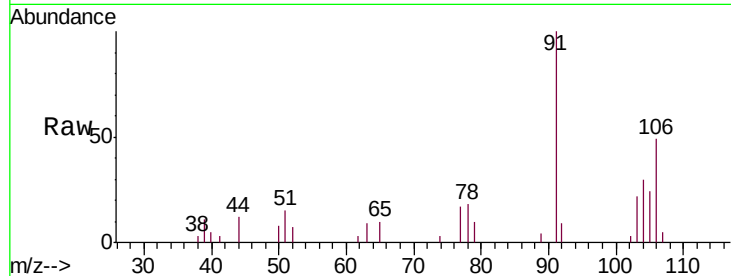
H0FK5DL

Tgt Ion:104 Resp: 2536

Ion Ratio Lower Upper

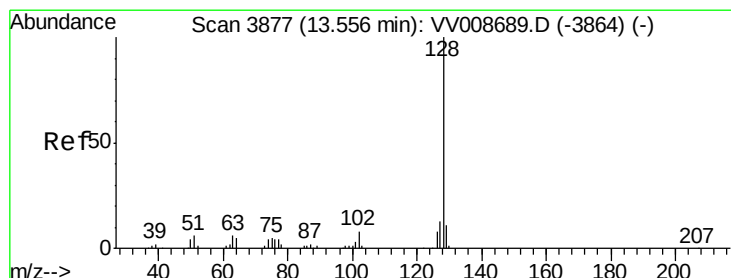
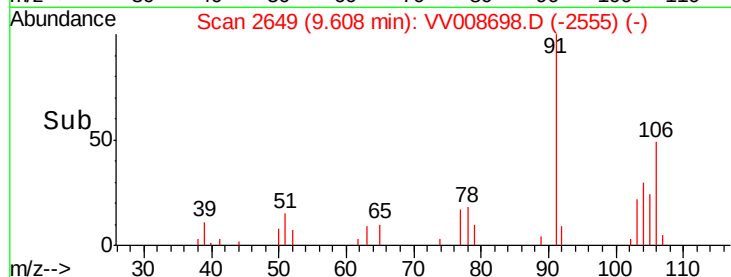
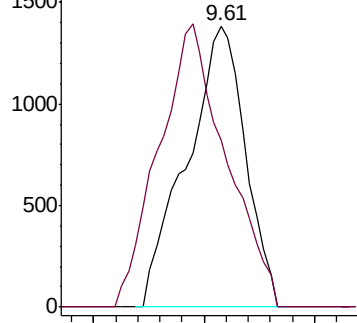
104 100

78 59.3 32.9 61.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



#69

Naphthalene

Concen: 0.099 ug/L

RT: 13.56 min Scan# 3879

Delta R.T. 0.01 min

Lab File: VV008698.D

Acq: 21 Nov 2018 14:07

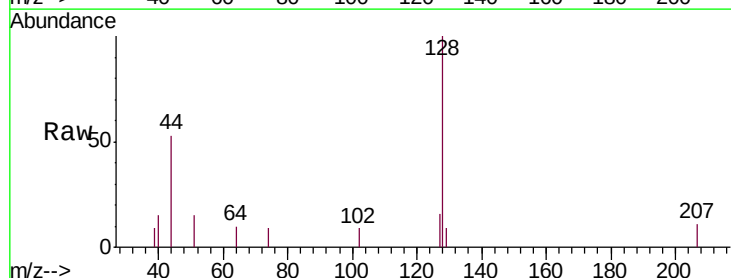
Tgt Ion:128 Resp: 2221

Ion Ratio Lower Upper

128 100

129 5.4 8.8 13.2#

127 0.0 10.0 15.0#



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

