

Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
H0FK5

Quant Time: Nov 21 03:27:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 03:23:51 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	678078	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	545593	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	200936	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	197447	3.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.40%
7) Chloroethane-d5	2.63	69	194632	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.00%
11) 1,1-Dichloroethene-d2	3.61	63	379763	2.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.00%#
20) 2-Butanone-d5	6.59	46	209833	43.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.66%
24) Chloroform-d	7.20	84	381686	3.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.40%
26) 1,2-Dichloroethane-d4	7.90	65	151355	3.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.80%
32) Benzene-d6	7.85	84	797172	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
36) 1,2-Dichloropropane-d6	8.90	67	229590	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	9.97	98	744364	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
43) trans-1,3-Dichloropropene-	10.24	79	51012	3.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.40%
46) 2-Hexanone-d5	10.59	63	148777	49.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.62%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	78196	4.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	157762	4.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.20%

Target Compounds

						Qvalue
3) Chloromethane	2.00	50	6536	0.107	ug/L #	75
5) Vinyl chloride	2.17	62	118805	1.981	ug/L	96
8) Chloroethane	2.66	64	6790	0.181	ug/L	93
13) Acetone	3.71	43	13904	3.862	ug/L	66
15) Methyl Acetate	4.25	43	115496	11.057	ug/L #	52
17) Methyl tert-butyl Ether	4.90	73	2300778	39.104	ug/L #	94
18) trans-1,2-Dichloroethene	4.89	96	236058	4.516	ug/L	97
19) 1,1-Dichloroethane	5.69	63	121409	1.294	ug/L	97
22) cis-1,2-Dichloroethene	6.68	96	571071	12.123	ug/L	98
30) Cyclohexane	7.51	56	5722	0.083	ug/L #	18
33) Benzene	7.91	78	190660	0.956	ug/L	100
34) Trichloroethene	8.71	95	28095	0.532	ug/L	94
35) Methylcyclohexane	8.90	83	50712	0.721	ug/L #	21
37) 1,2-Dichloropropane	8.90	63	25650	0.622	ug/L #	94
40) 4-Methyl-2-pentanone	9.87	43	369761	32.247	ug/L	99
42) Toluene	10.04	91	292756	1.229	ug/L	99
48) 2-Hexanone	10.59	43	24828	3.224	ug/L #	69

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR112018\
Quantitation Report (Not Reviewed)

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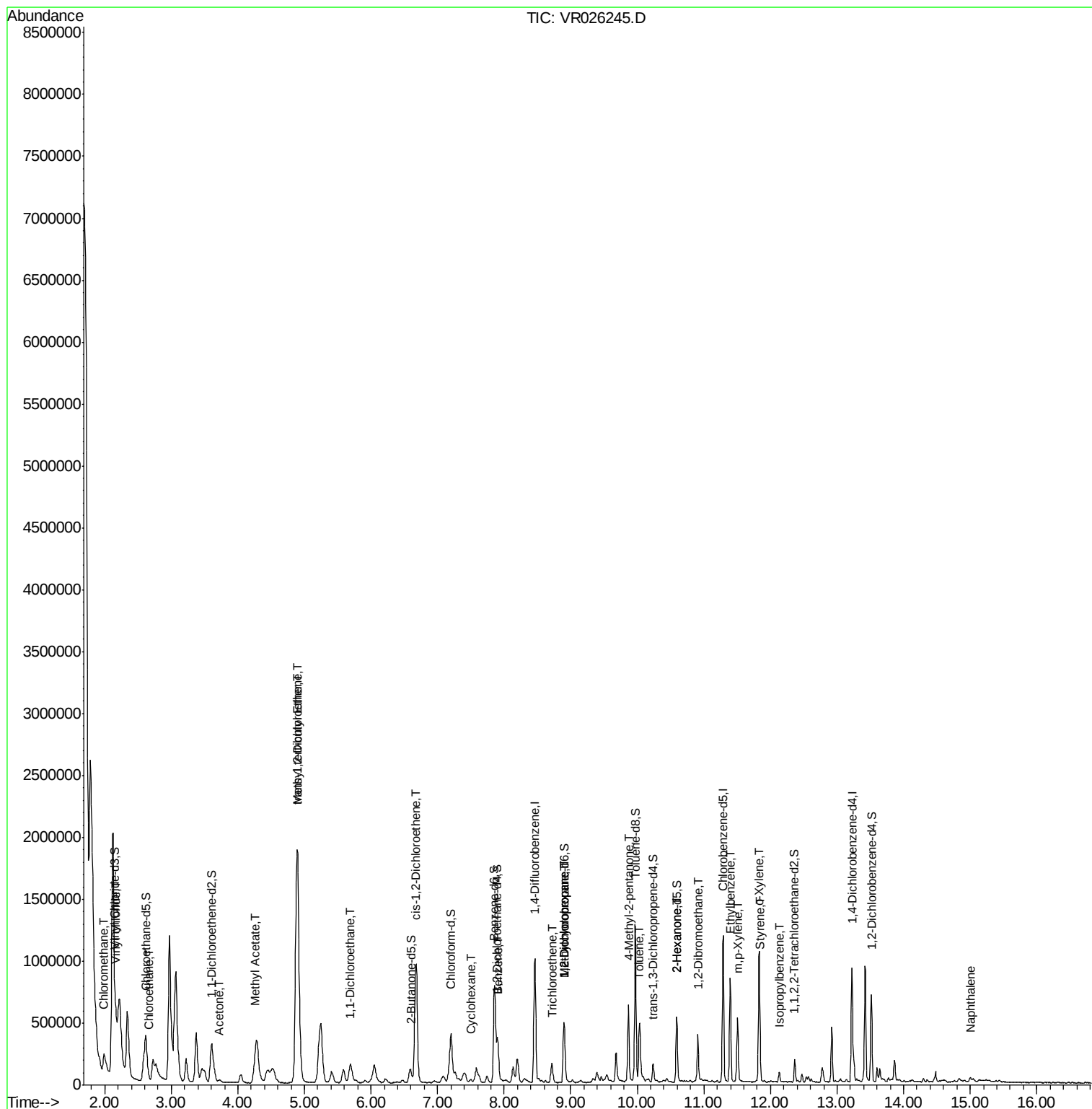
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) 1,2-Dibromoethane	10.91	107	2332	0.151	ug/L #	73
52) Ethylbenzene	11.39	91	487872	2.045	ug/L	100
53) m,p-Xylene	11.51	106	143278	1.629	ug/L	98
54) o-Xylene	11.83	106	236468	2.936	ug/L	100
55) Styrene	11.84	104	39832	0.324	ug/L #	55
56) Isopropylbenzene	12.13	105	40287	0.183	ug/L	97
69) Naphthalene	15.00	128	19518	0.855	ug/L #	92

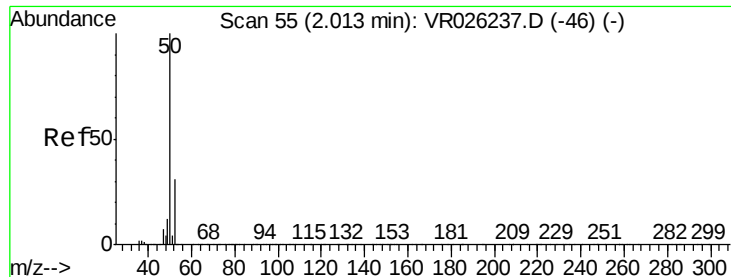
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.107 ug/L

RT: 2.00 min Scan# 52

Delta R.T. -0.02 min

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Acq: 21 Nov 2018 00:53

Instrument :

MSVOA_R

ClientSampleId :

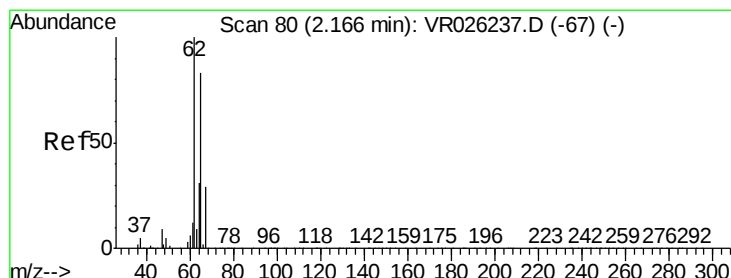
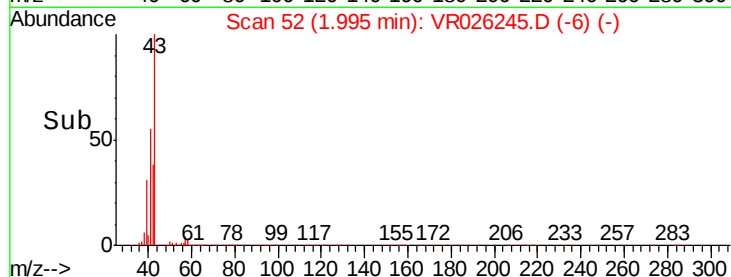
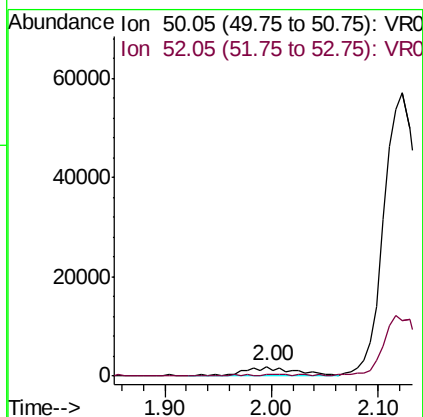
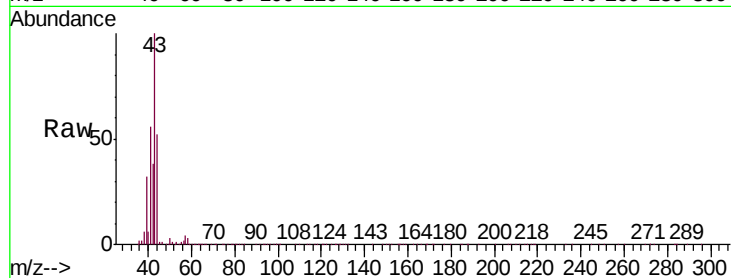
H0FK5

Tgt Ion: 50 Resp: 6536

Ion Ratio Lower Upper

50 100

52 17.2 21.4 39.8#



#5

Vinyl chloride

Concen: 1.981 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.01 min

Lab File: VR026245.D

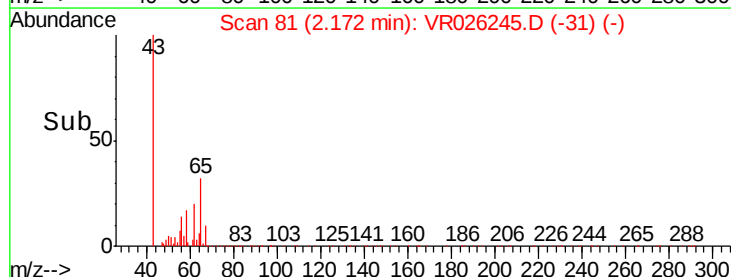
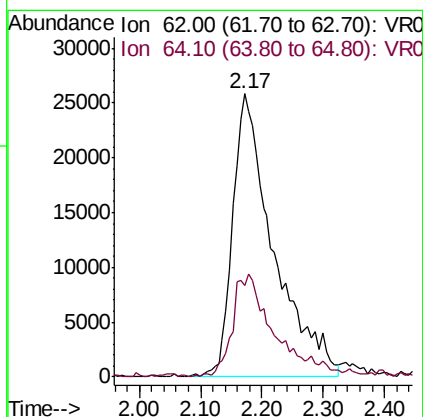
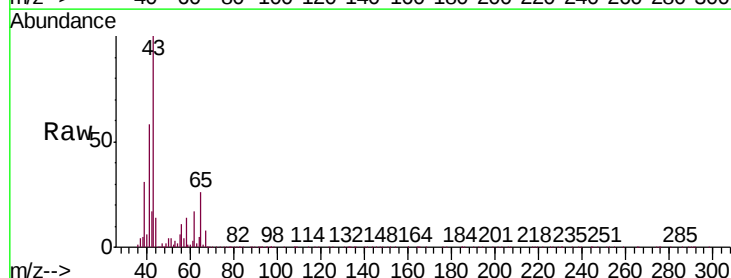
Acq: 21 Nov 2018 00:53

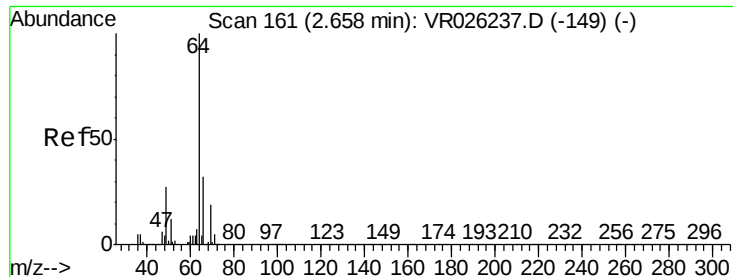
Tgt Ion: 62 Resp: 118805

Ion Ratio Lower Upper

62 100

64 32.4 21.3 39.5





#8

Chloroethane

Concen: 0.181 ug/L

RT: 2.66 min Scan# 162

Delta R.T. 0.01 min

Lab File: VR026245.D

Acq: 21 Nov 2018 00:53

Instrument :

MSVOA_R

ClientSampleId :

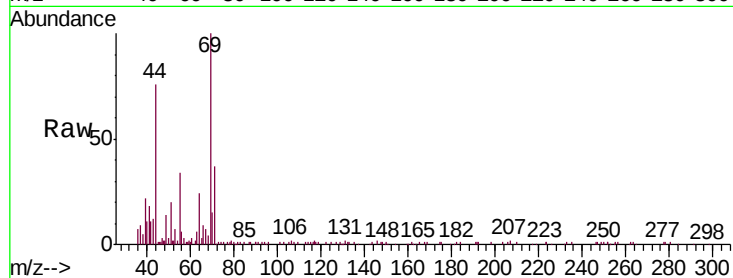
H0FK5

Tgt Ion: 64 Resp: 6790

Ion Ratio Lower Upper

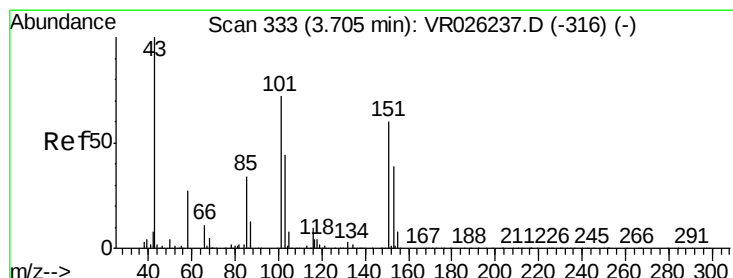
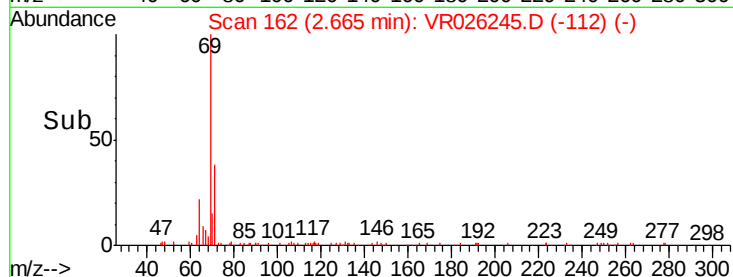
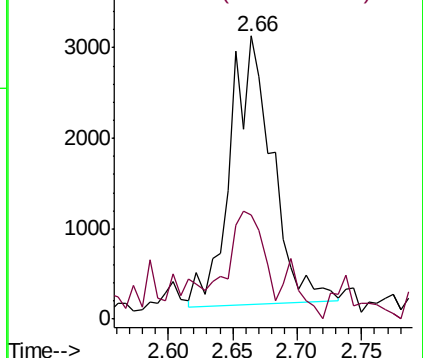
64 100

66 36.7 22.7 42.3



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0



#13

Acetone

Concen: 3.862 ug/L

RT: 3.71 min Scan# 334

Delta R.T. 0.01 min

Lab File: VR026245.D

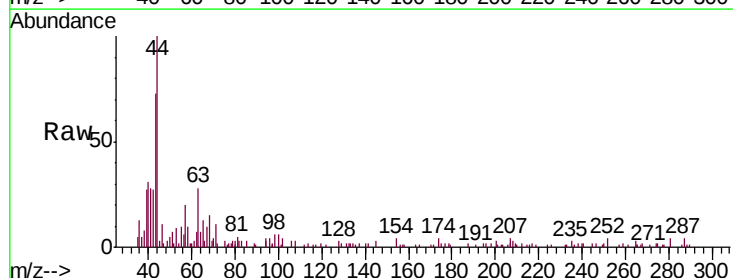
Acq: 21 Nov 2018 00:53

Tgt Ion: 43 Resp: 13904

Ion Ratio Lower Upper

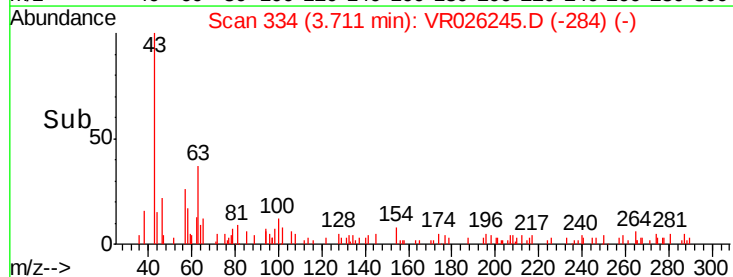
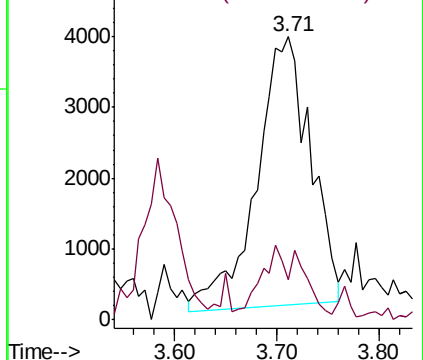
43 100

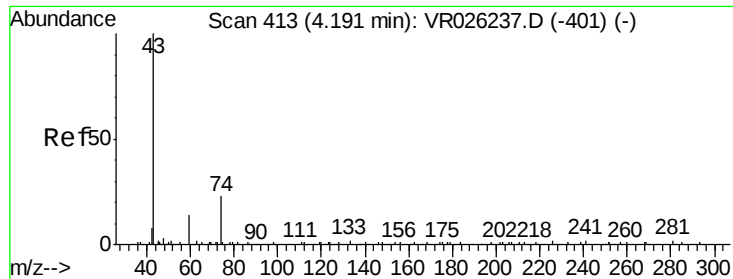
58 9.9 0.0 55.0



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

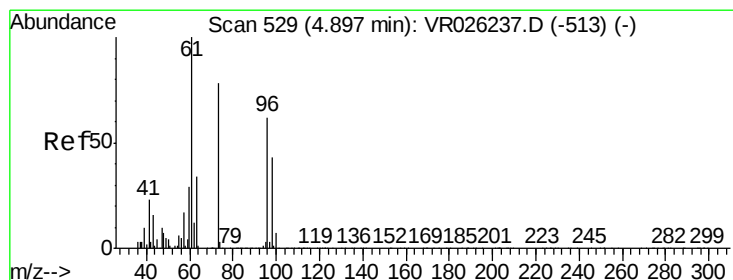
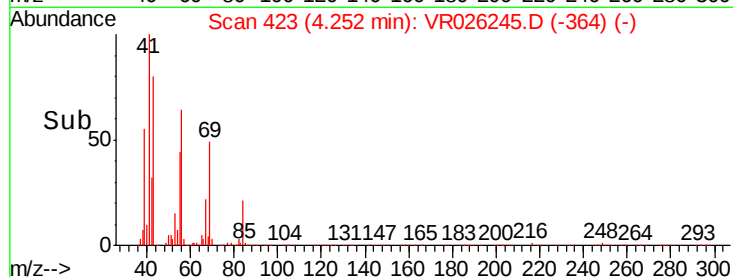
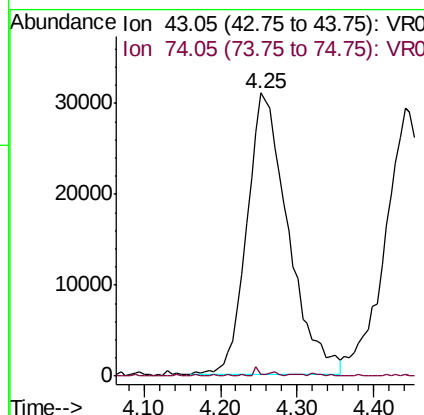
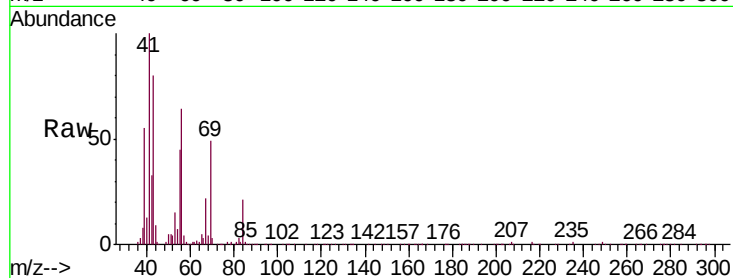




#15
Methyl Acetate
Concen: 11.057 ug/L
RT: 4.25 min Scan# 423
Delta R.T. 0.06 min
Lab File: VR026245.D
Acq: 21 Nov 2018 00:53

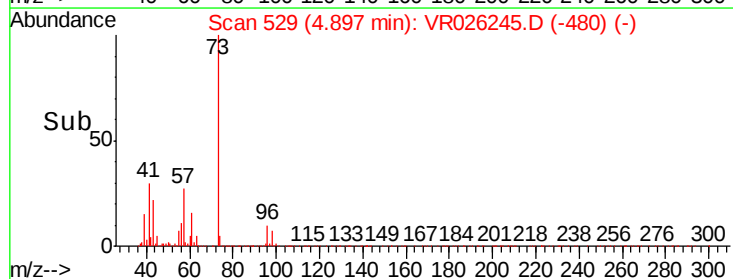
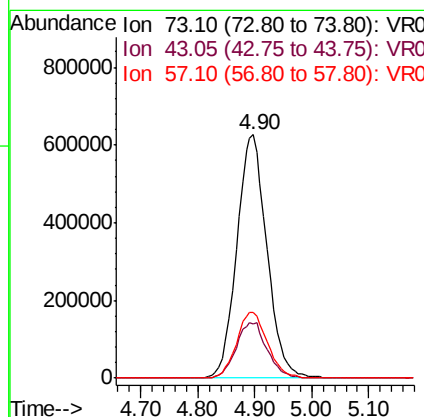
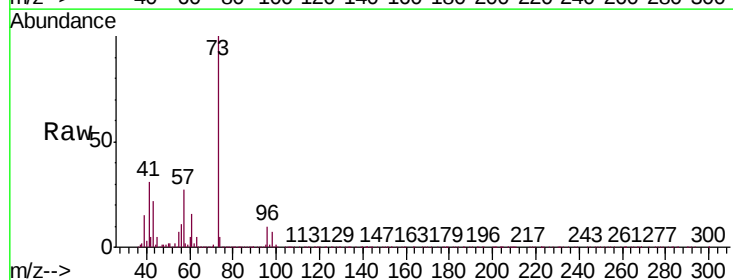
Instrument :
MSVOA_R
ClientSampleId :
H0FK5

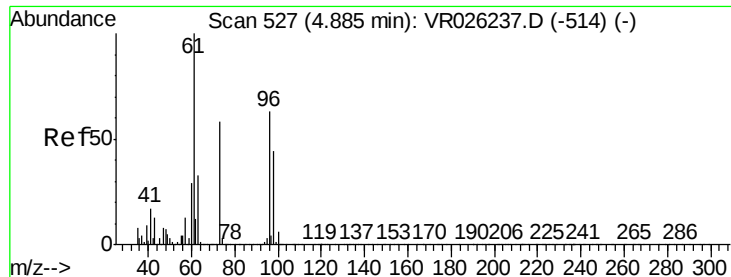
Tgt Ion: 43 Resp: 115496
Ion Ratio Lower Upper
43 100
74 0.5 19.4 29.0#



#17
Methyl tert-butyl Ether
Concen: 39.104 ug/L
RT: 4.90 min Scan# 529
Delta R.T. 0.00 min
Lab File: VR026245.D
Acq: 21 Nov 2018 00:53

Tgt Ion: 73 Resp: 2300778
Ion Ratio Lower Upper
73 100
43 23.5 19.0 28.4
57 27.9 17.9 26.9#





#18

trans-1,2-Dichloroethene

Concen: 4.516 ug/L

RT: 4.89 min Scan# 527

Delta R.T. 0.00 min

Lab File: VR026245.D

Acq: 21 Nov 2018 00:53

Instrument :

MSVOA_R

ClientSampleId :

H0FK5

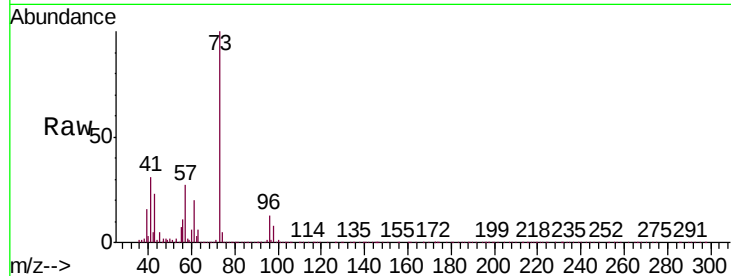
Tgt Ion: 96 Resp: 236058

Ion Ratio Lower Upper

96 100

61 153.3 105.4 195.8

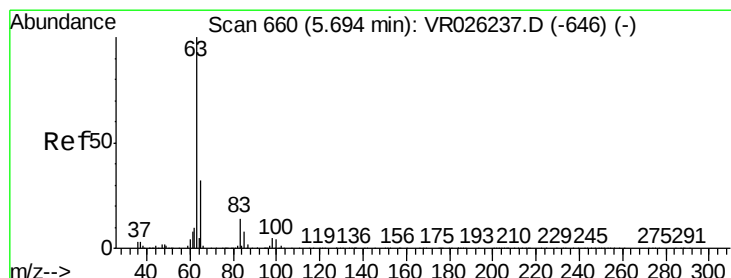
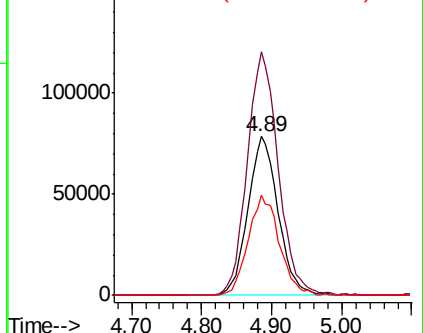
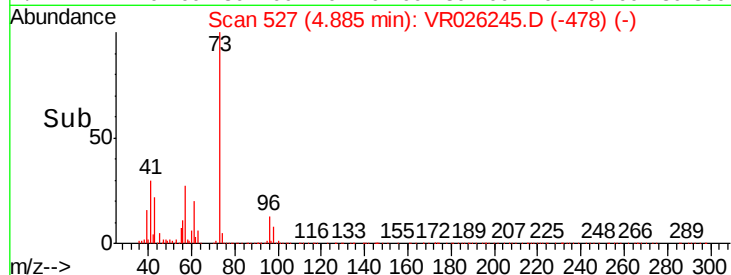
98 63.1 42.1 78.1



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0



#19

1,1-Dichloroethane

Concen: 1.294 ug/L

RT: 5.69 min Scan# 660

Delta R.T. 0.00 min

Lab File: VR026245.D

Acq: 21 Nov 2018 00:53

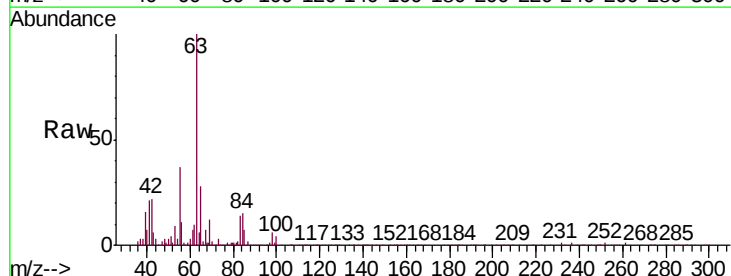
Tgt Ion: 63 Resp: 121409

Ion Ratio Lower Upper

63 100

65 27.9 21.1 39.3

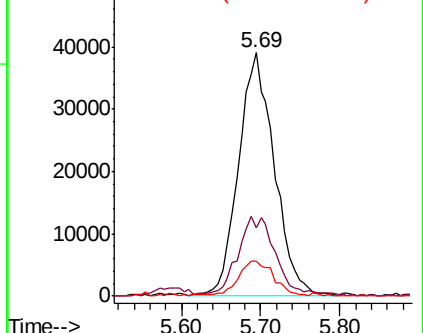
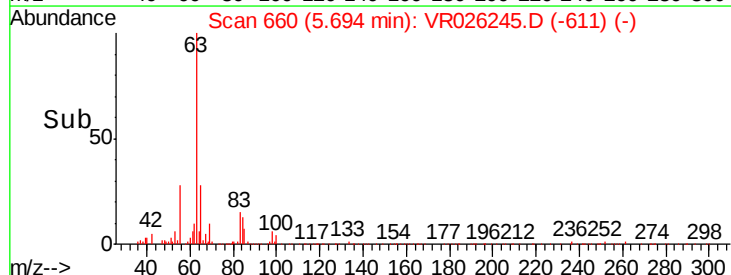
83 14.4 9.9 18.5

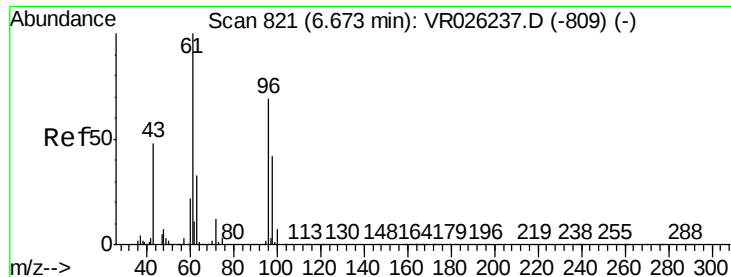


Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0





#22

cis-1,2-Dichloroethene

Concen: 12.123 ug/L

RT: 6.68 min Scan# 822

Delta R.T. 0.01 min

Lab File: VR026245.D

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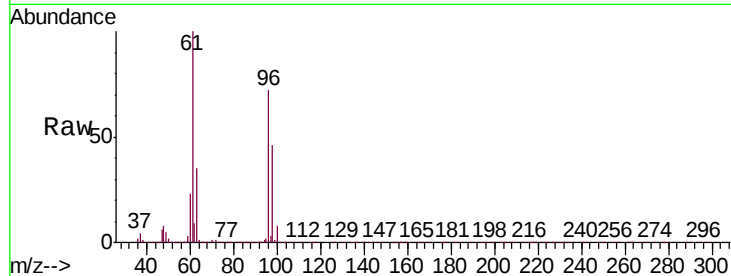
Tgt Ion: 96 Resp: 571071

Ion Ratio Lower Upper

96 100

61 138.0 94.8 176.2

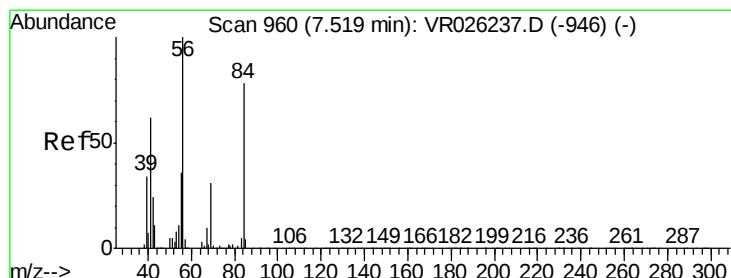
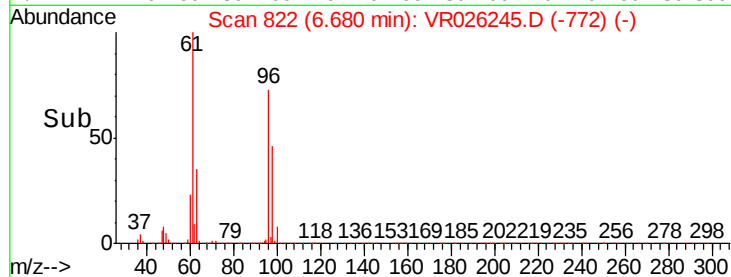
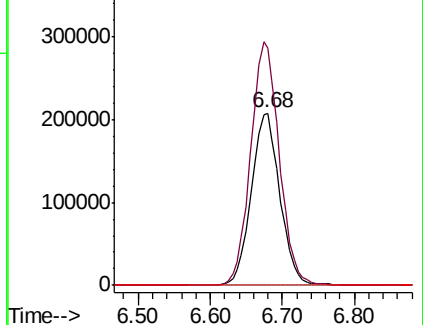
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 68.15 (67.85 to 68.85): VR0



#30

Cyclohexane

Concen: 0.083 ug/L

RT: 7.51 min Scan# 958

Delta R.T. -0.01 min

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Acq: 21 Nov 2018 00:53

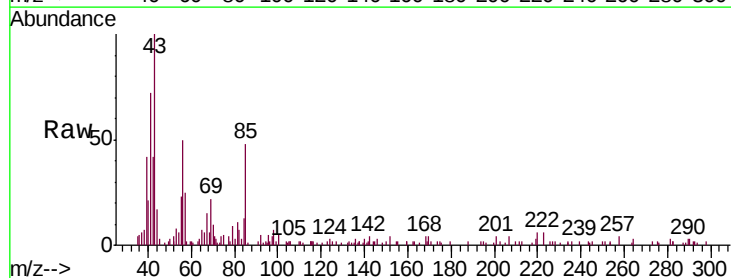
Tgt Ion: 56 Resp: 5722

Ion Ratio Lower Upper

56 100

69 0.0 23.6 35.4#

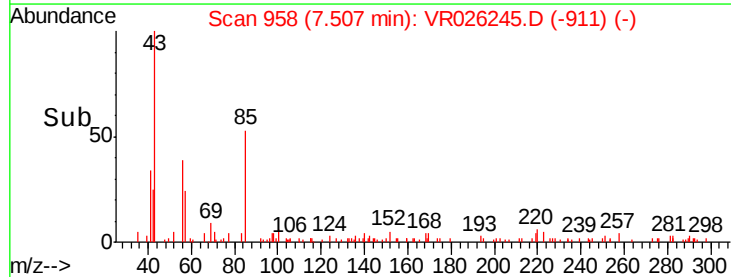
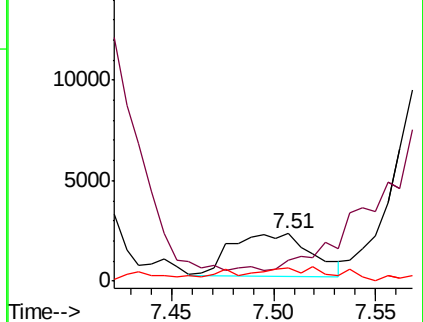
84 0.0 64.9 97.3#

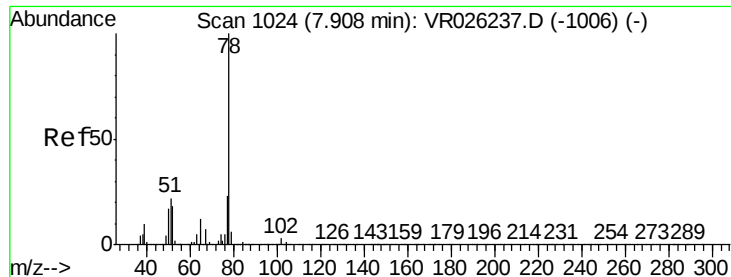


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#33

Benzene

Concen: 0.956 ug/L

RT: 7.91 min Scan# 1024

Delta R.T. 0.00 min

Lab File: VR026245.D

Acq: 21 Nov 2018 00:53

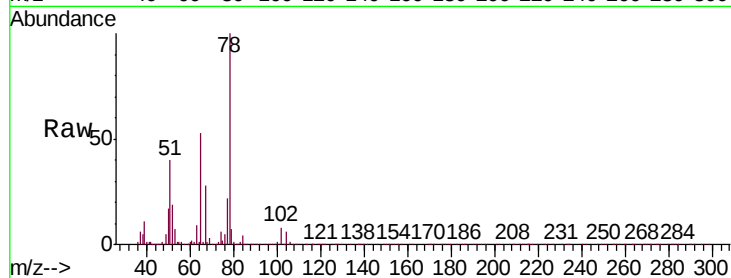
Instrument :

MSVOA_R

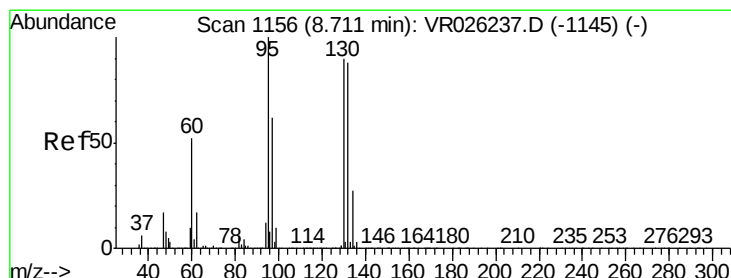
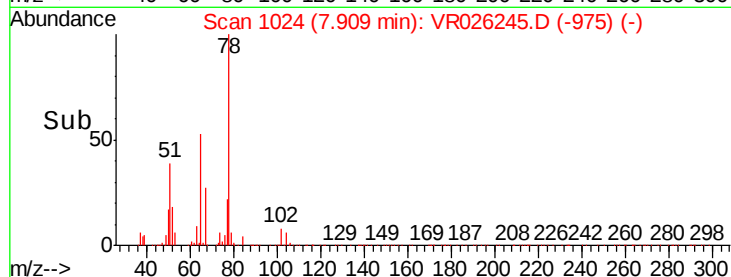
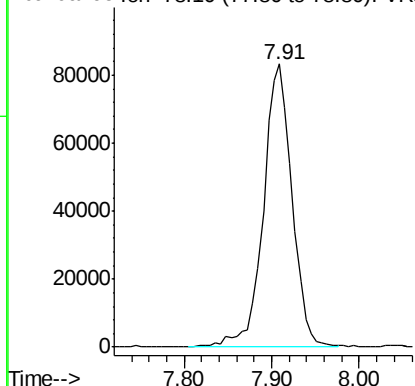
ClientSampleId :

H0FK5

Tgt Ion: 78 Resp: 190660



Abundance Ion 78.10 (77.80 to 78.80): VR0



#34

Trichloroethene

Concen: 0.532 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR026245.D

Acq: 21 Nov 2018 00:53

Tgt Ion: 95 Resp: 28095

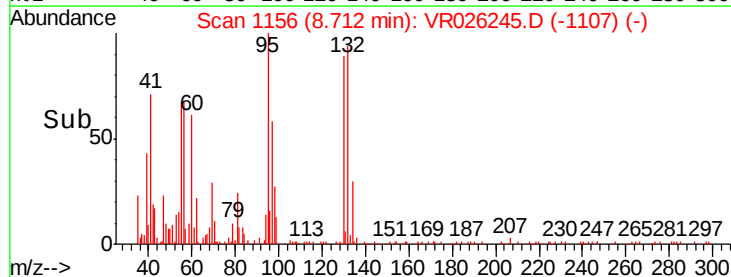
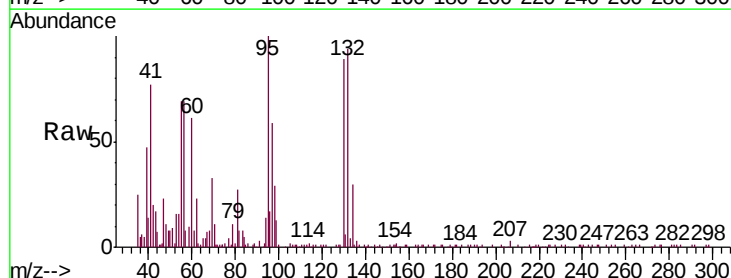
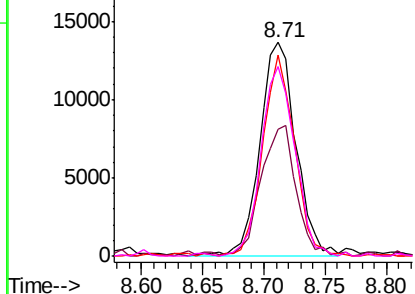
Ion	Ratio	Lower	Upper
95	100		
97	59.3	45.1	83.7
132	94.1	59.8	111.0
130	88.9	61.4	114.0

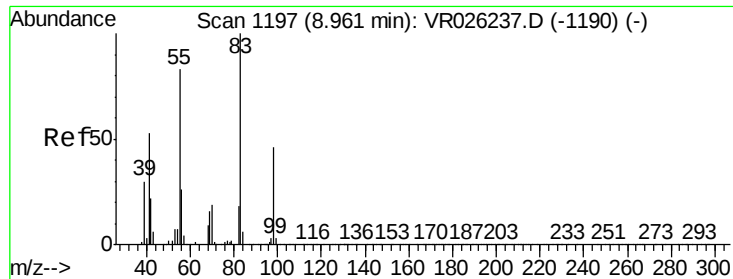
Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

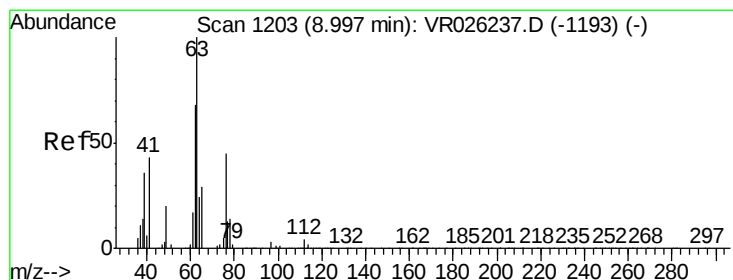
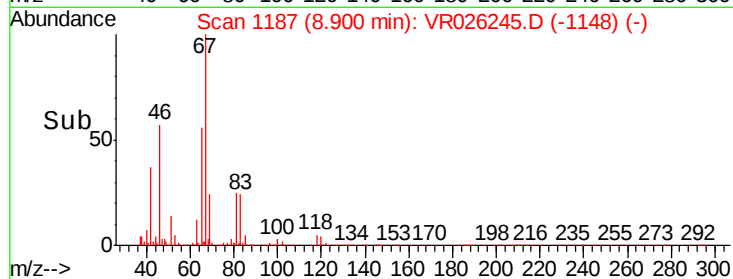
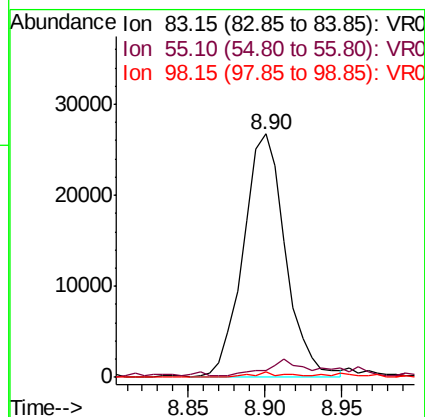
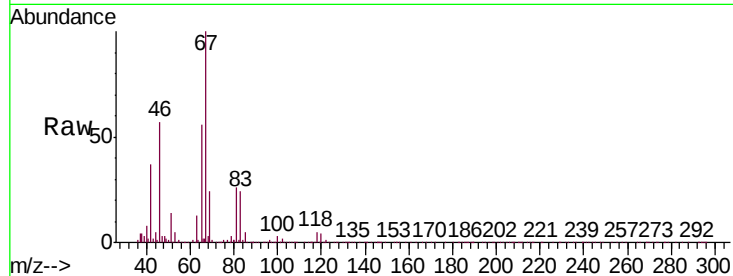




#35
Methylcyclohexane
Concen: 0.721 ug/L
RT: 8.90 min Scan# 1187
Delta R.T. -0.06 min
Lab File: VR026245.D
Acq: 21 Nov 2018 00:53

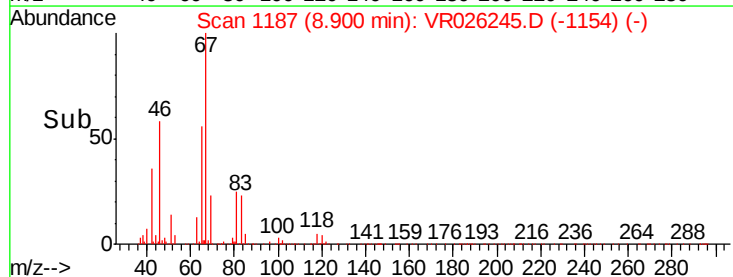
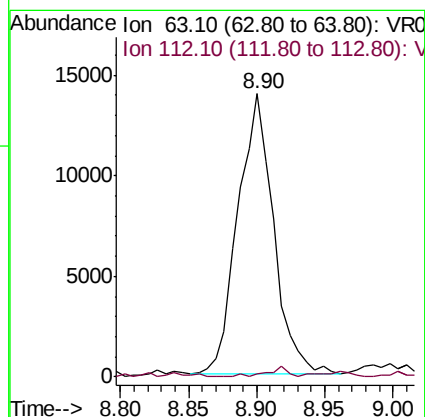
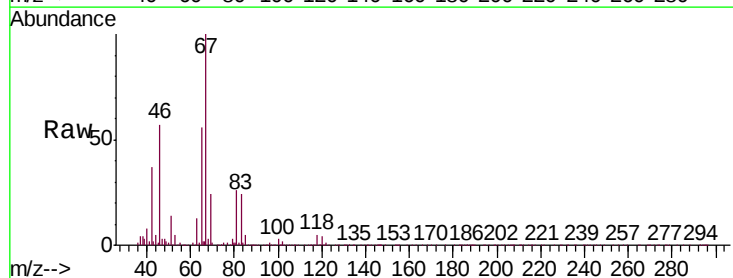
Instrument :
MSVOA_R
ClientSampleId :
H0FK5

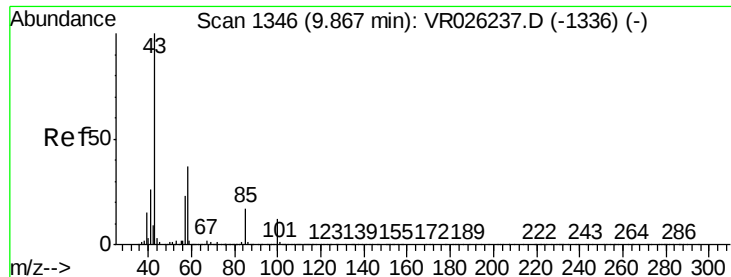
Tgt Ion: 83 Resp: 50712
Ion Ratio Lower Upper
83 100
55 5.5 66.6 100.0#
98 1.9 35.5 53.3#



#37
1,2-Dichloropropane
Concen: 0.622 ug/L
RT: 8.90 min Scan# 1187
Delta R.T. -0.10 min
Lab File: VR026245.D
Acq: 21 Nov 2018 00:53

Tgt Ion: 63 Resp: 25650
Ion Ratio Lower Upper
63 100
112 2.2 3.4 5.0#

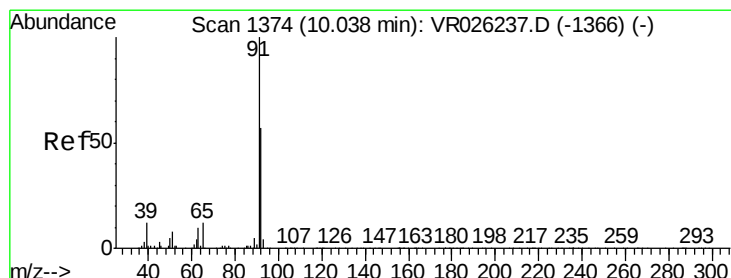
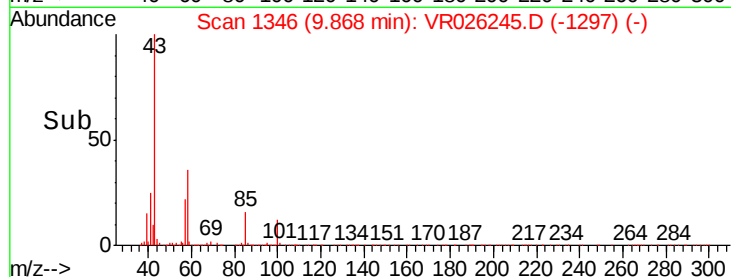
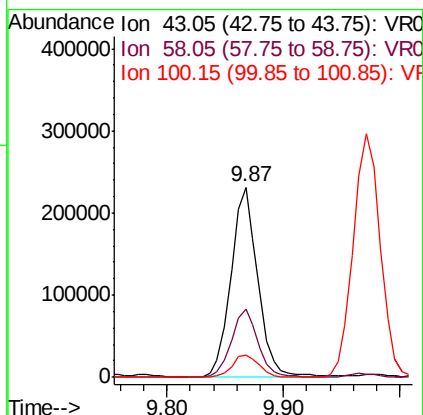
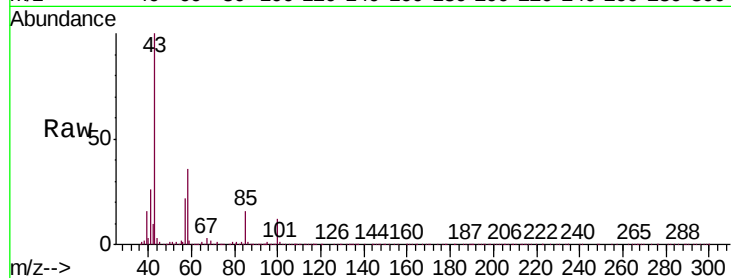




#40
4-Methyl-2-pentanone
Concen: 32.247 ug/L
RT: 9.87 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VR026245.D
Acq: 21 Nov 2018 00:53

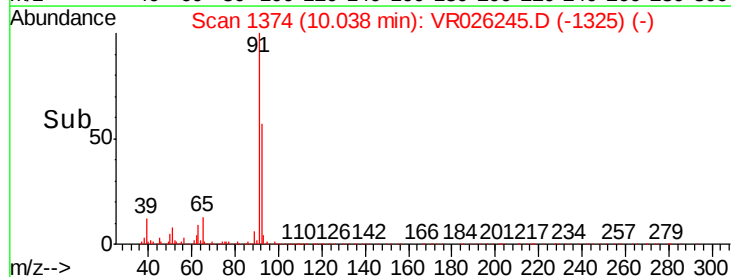
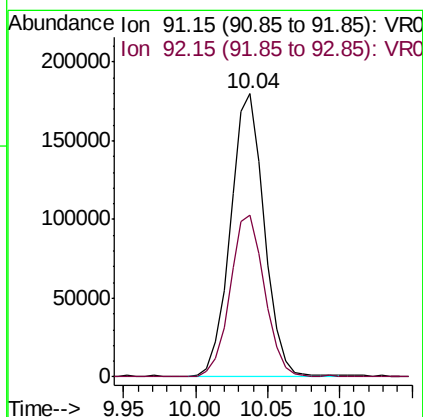
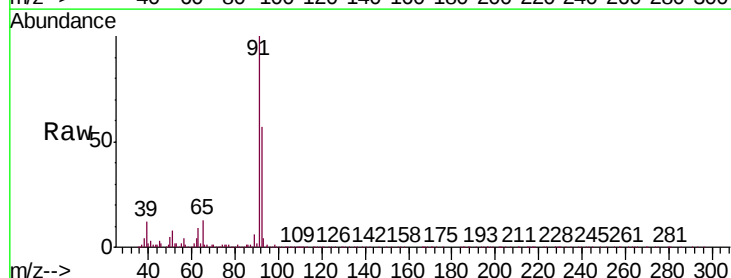
Instrument :
MSVOA_R
ClientSampleId :
H0FK5

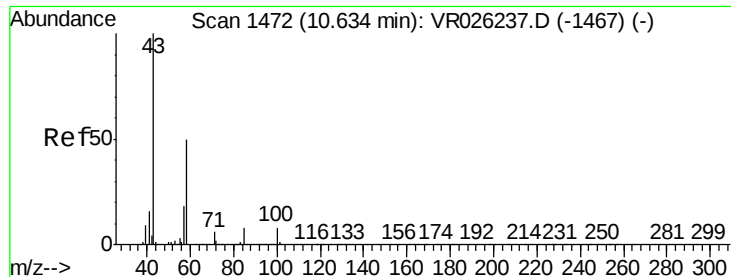
Tgt Ion: 43 Resp: 369761
Ion Ratio Lower Upper
43 100
58 35.7 28.0 42.0
100 12.0 10.0 15.0



#42
Toluene
Concen: 1.229 ug/L
RT: 10.04 min Scan# 1374
Delta R.T. 0.00 min
Lab File: VR026245.D
Acq: 21 Nov 2018 00:53

Tgt Ion: 91 Resp: 292756
Ion Ratio Lower Upper
91 100
92 56.9 39.5 73.3

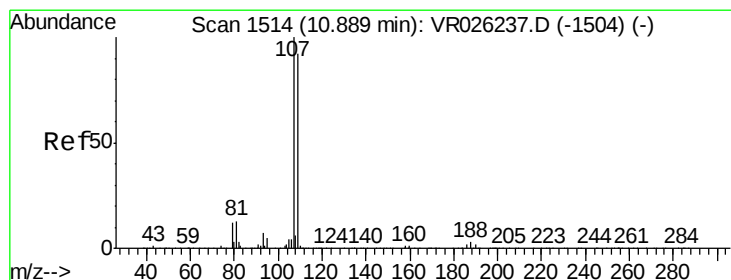
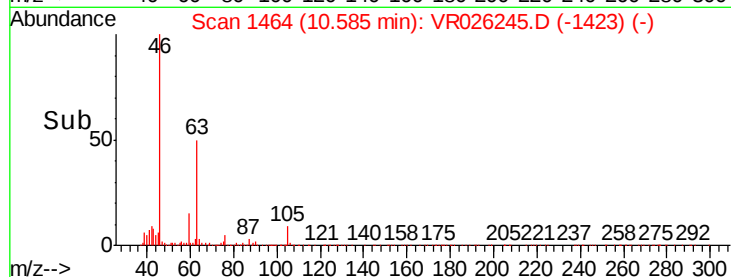
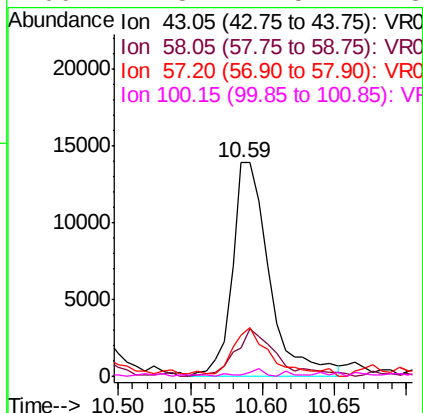
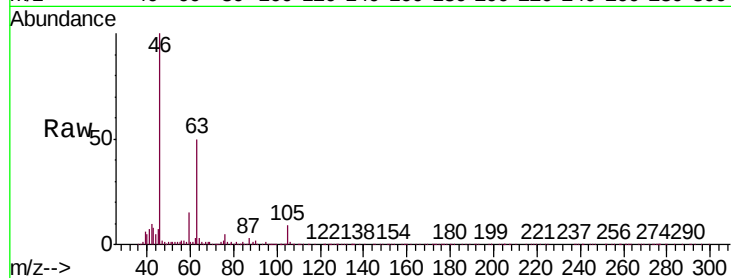




#48
2-Hexanone
Concen: 3.224 ug/L
RT: 10.59 min Scan# 1464
Delta R.T. -0.05 min
Lab File: VR026245.D
Acq: 21 Nov 2018 00:53

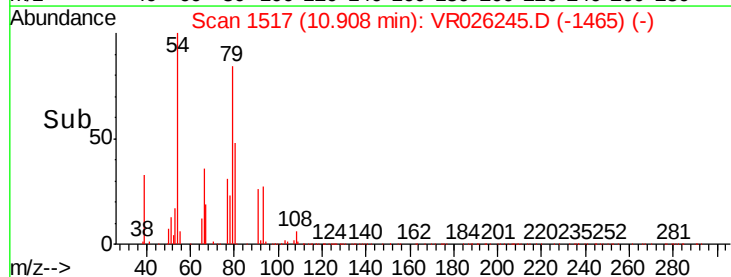
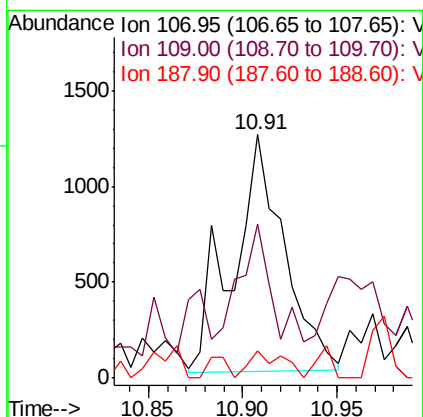
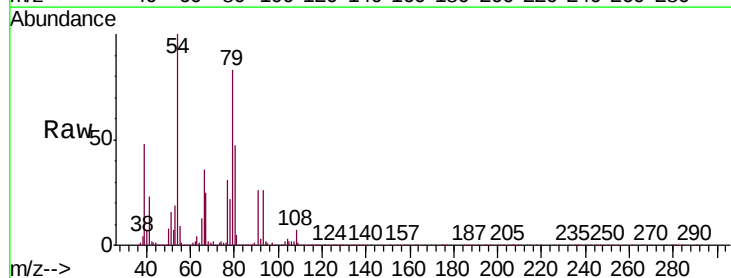
Instrument :
MSVOA_R
ClientSampleId :
H0FK5

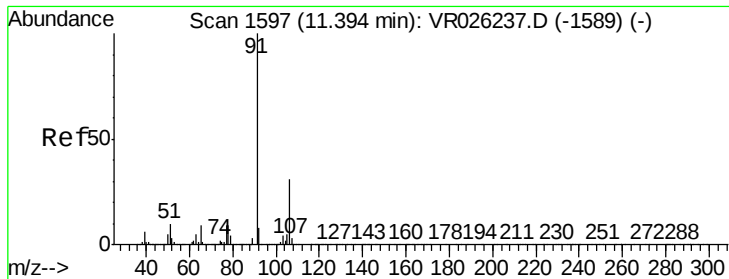
Tgt Ion:	43	Resp:	24828
Ion	Ratio	Lower	Upper
43	100		
58	24.6	41.3	61.9#
57	24.2	14.5	21.7#
100	1.8	7.5	11.3#



#50
1,2-Dibromoethane
Concen: 0.151 ug/L
RT: 10.91 min Scan# 1517
Delta R.T. 0.02 min
Lab File: VR026245.D
Acq: 21 Nov 2018 00:53

Tgt Ion:	107	Resp:	2332
Ion	Ratio	Lower	Upper
107	100		
109	63.2	62.1	115.3
188	11.3	2.2	3.2#





#52

Ethylbenzene

Concen: 2.045 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026245.D

Acq: 21 Nov 2018 00:53

Instrument :

MSVOA_R

ClientSampleId :

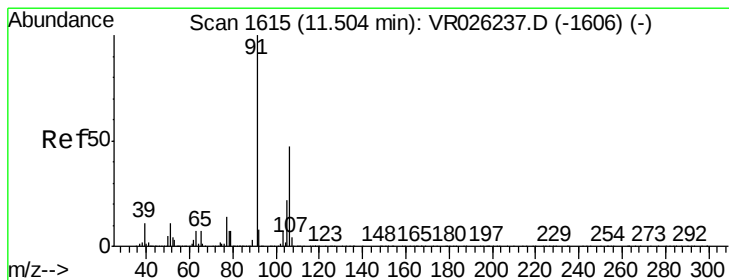
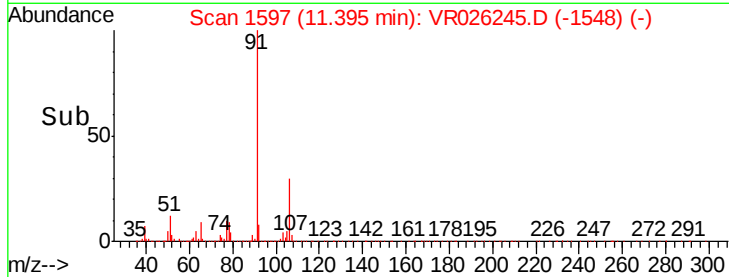
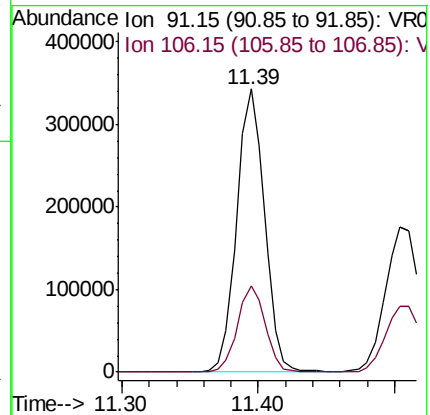
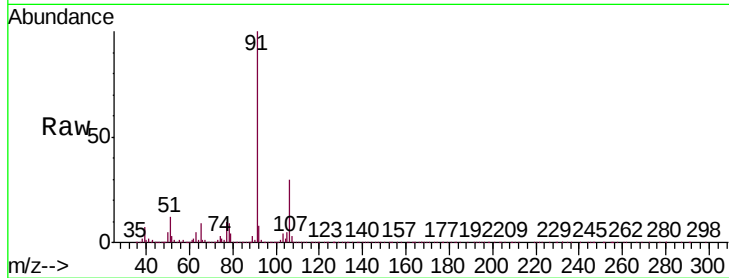
H0FK5

Tgt Ion: 91 Resp: 487872

Ion Ratio Lower Upper

91 100

106 30.4 21.3 39.6



#53

m,p-Xylene

Concen: 1.629 ug/L

RT: 11.51 min Scan# 1616

Delta R.T. 0.01 min

Lab File: VR026245.D

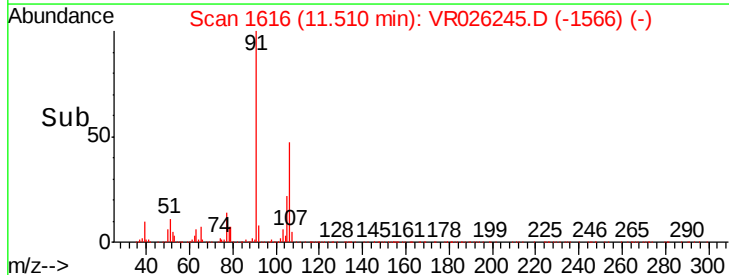
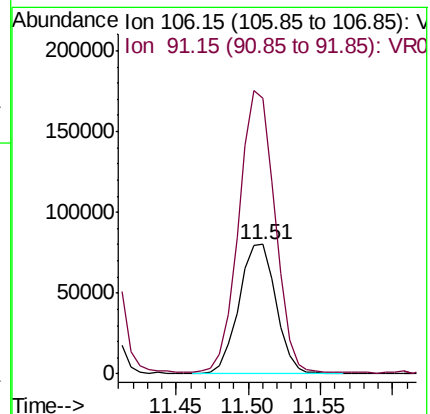
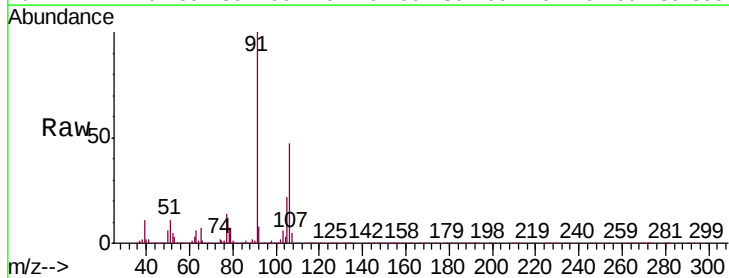
Acq: 21 Nov 2018 00:53

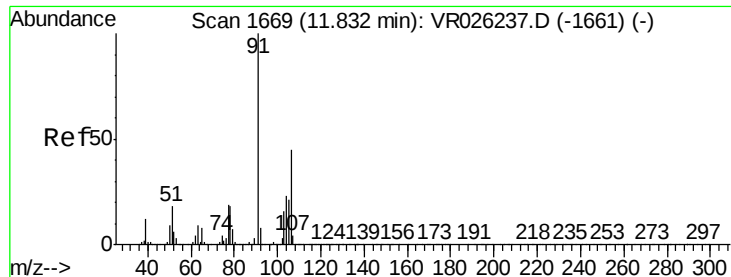
Tgt Ion: 106 Resp: 143278

Ion Ratio Lower Upper

106 100

91 213.5 147.2 273.4

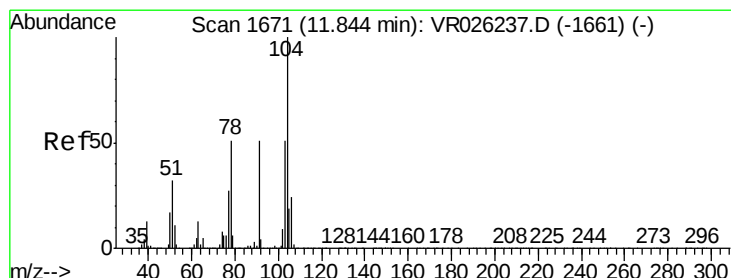
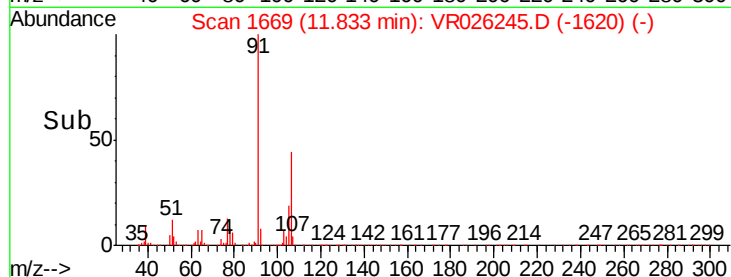
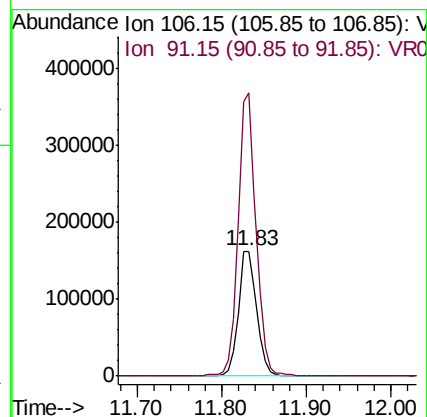
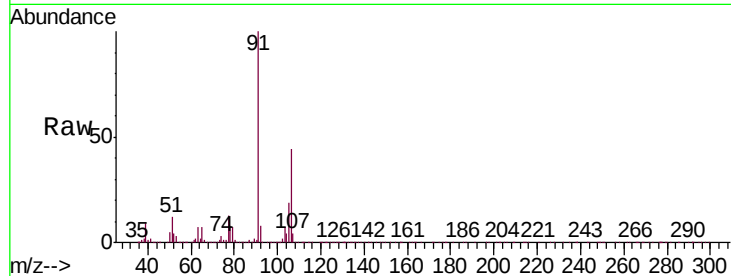




#54
o-Xylene
Concen: 2.936 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.00 min
Lab File: VR026245.D
Acq: 21 Nov 2018 00:53

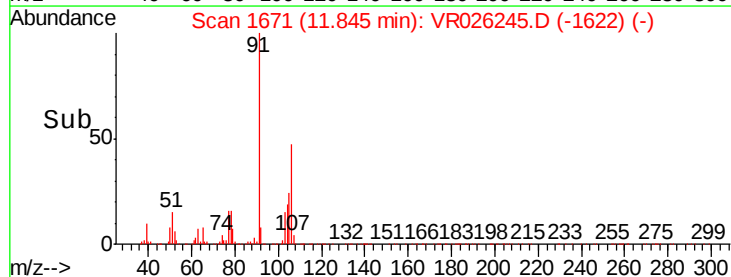
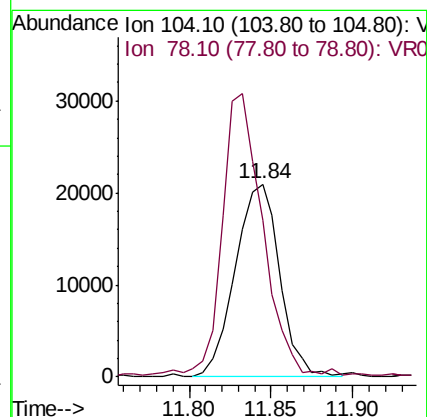
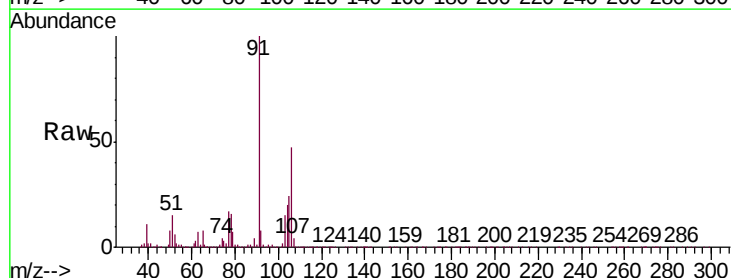
Instrument :
MSVOA_R
ClientSampleId :
H0FK5

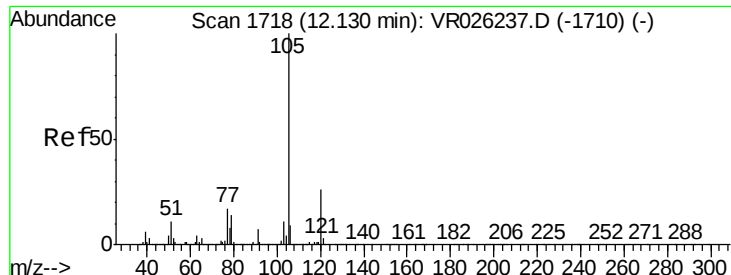
Tgt Ion:106 Resp: 236468
Ion Ratio Lower Upper
106 100
91 227.0 159.0 295.4



#55
Styrene
Concen: 0.324 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026245.D
Acq: 21 Nov 2018 00:53

Tgt Ion:104 Resp: 39832
Ion Ratio Lower Upper
104 100
78 81.4 35.4 65.7#





#56

Isopropylbenzene

Concen: 0.183 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026245.D

Acq: 21 Nov 2018 00:53

Instrument :

MSVOA_R

ClientSampleId :

H0FK5

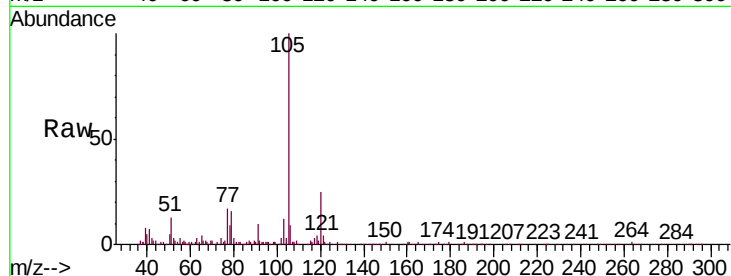
Tgt Ion:105 Resp: 40287

Ion Ratio Lower Upper

105 100

120 27.4 20.9 31.3

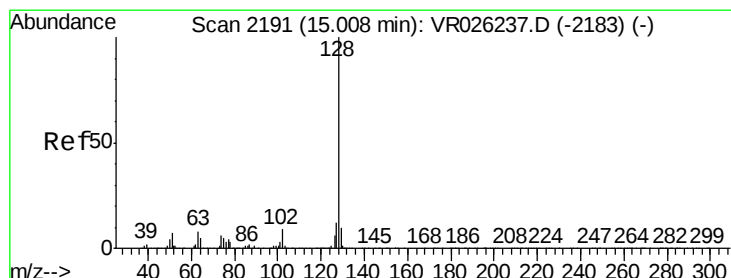
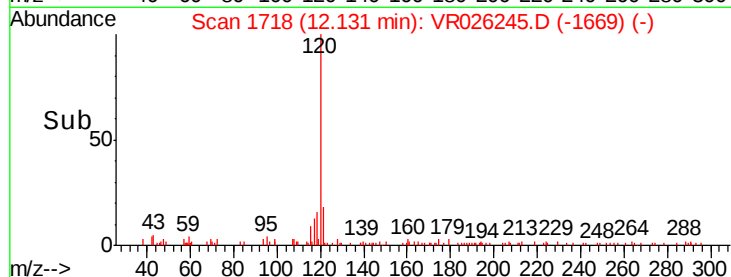
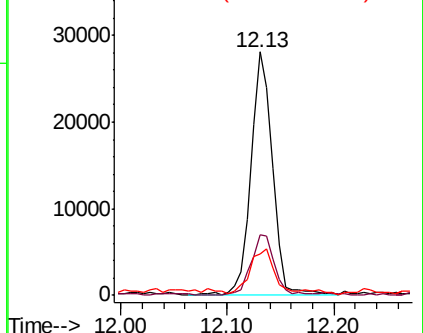
77 19.4 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0



#69

Naphthalene

Concen: 0.855 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.01 min

Lab File: VR026245.D

Acq: 21 Nov 2018 00:53

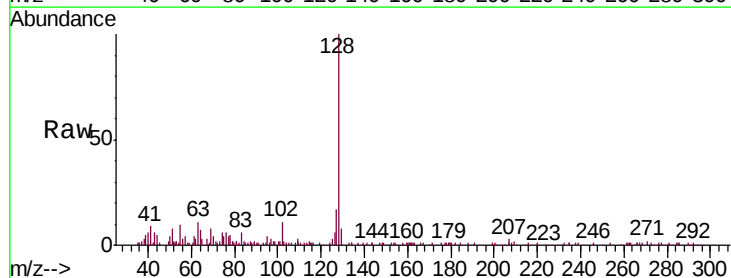
Tgt Ion:128 Resp: 19518

Ion Ratio Lower Upper

128 100

127 17.4 10.6 16.0#

129 13.6 9.0 13.6#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

