

Data File : VR026249.D
Acq On : 21 Nov 2018 3:05
Operator : SY/MD
Sample : J6026-14
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
H0FM3

Quant Time: Nov 21 04:21:56 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	535424	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	434393	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	128799	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	193827	4.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.00%
7) Chloroethane-d5	2.62	69	185216	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.20%
11) 1,1-Dichloroethene-d2	3.61	63	387539	3.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.80%
20) 2-Butanone-d5	6.59	46	172453	45.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.22%
24) Chloroform-d	7.20	84	343059	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	7.90	65	139861	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
32) Benzene-d6	7.85	84	689586	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	8.90	67	178477	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	9.97	98	609118	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
43) trans-1,3-Dichloropropene-	10.24	79	40330	3.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.80%
46) 2-Hexanone-d5	10.59	63	124836	51.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.94%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	67665	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	114293	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

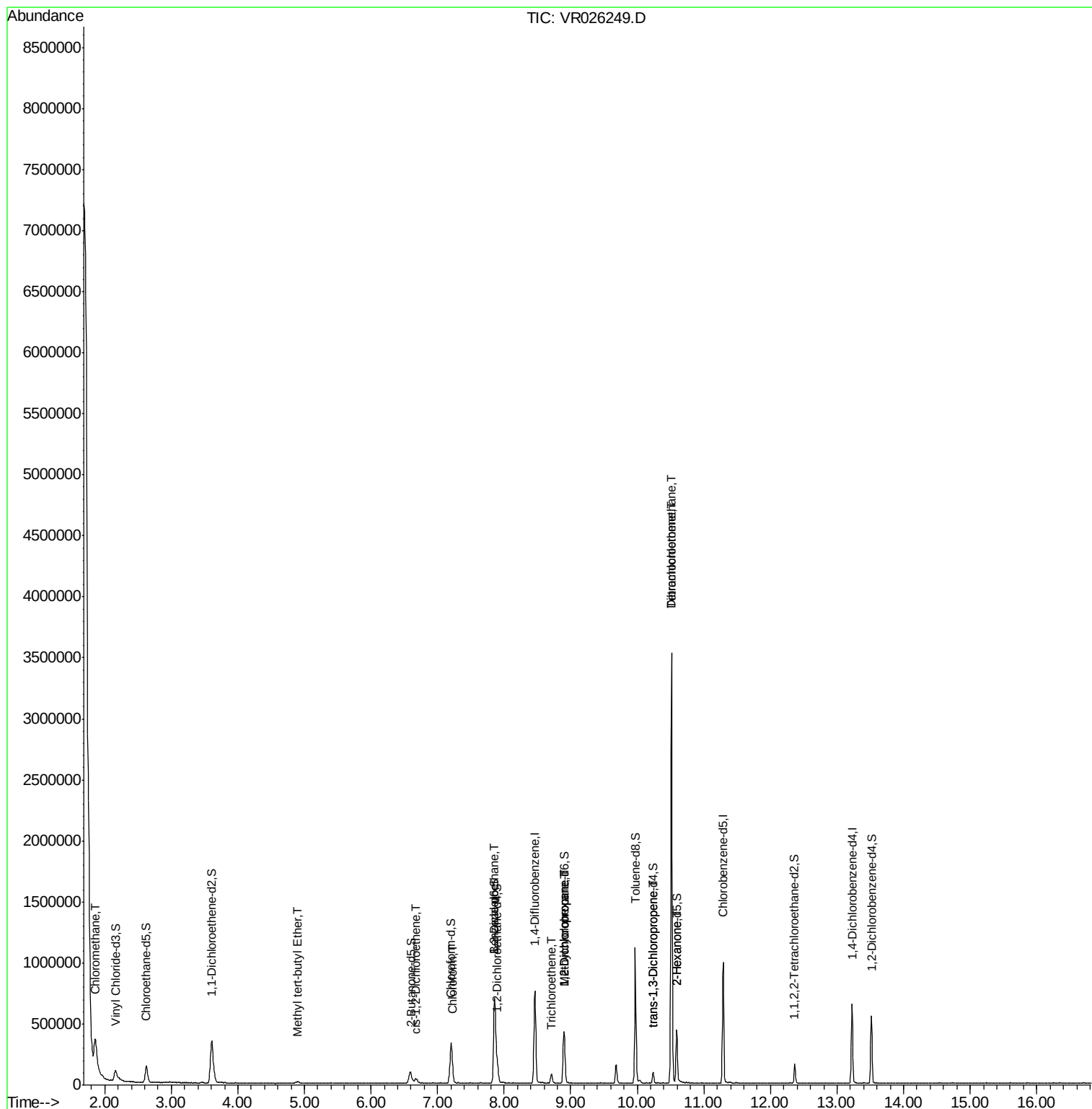
					Qvalue
3) Chloromethane	1.85	50	31525	0.655 ug/L #	81
17) Methyl tert-butyl Ether	4.89	73	8203	0.177 ug/L #	83
22) cis-1,2-Dichloroethene	6.67	96	19221	0.517 ug/L	95
25) Chloroform	7.23	83	8145	0.101 ug/L	84
27) 1,2-Dichloroethane	7.85	62	4546	0.139 ug/L	97
34) Trichloroethene	8.71	95	23934	0.569 ug/L	97
35) Methylcyclohexane	8.90	83	45154	0.807 ug/L #	19
37) 1,2-Dichloropropane	8.89	63	22646	0.689 ug/L #	93
44) trans-1,3-Dichloropropene	10.24	75	2470	0.096 ug/L	87
47) Tetrachloroethene	10.51	164	618756	20.041 ug/L	94
48) 2-Hexanone	10.59	43	19956	3.254 ug/L #	72
49) Dibromochloromethane	10.51	129	539184	31.383 ug/L #	12

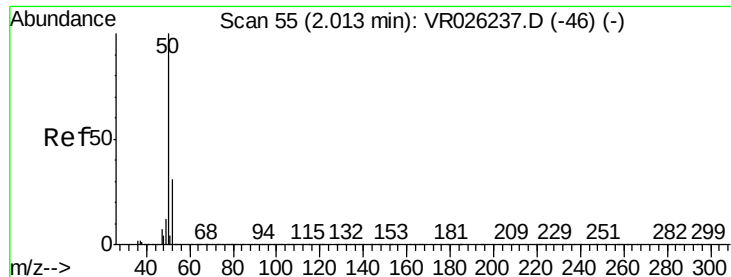
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.655 ug/L

RT: 1.85 min Scan# 28

Delta R.T. -0.16 min

Lab File: VR026249.D

Acq: 21 Nov 2018 3:05

Instrument :

MSVOA_R

ClientSampled :

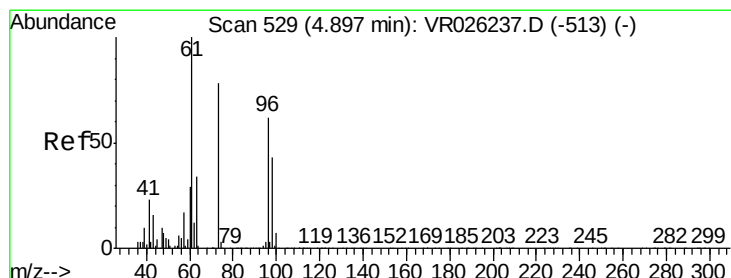
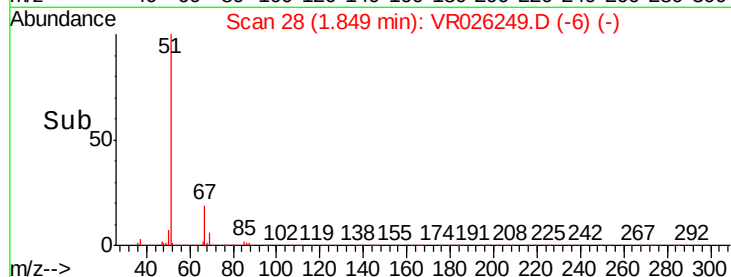
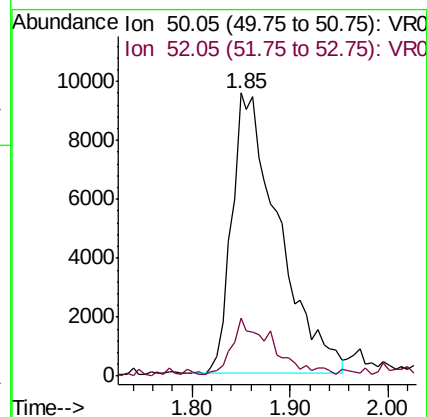
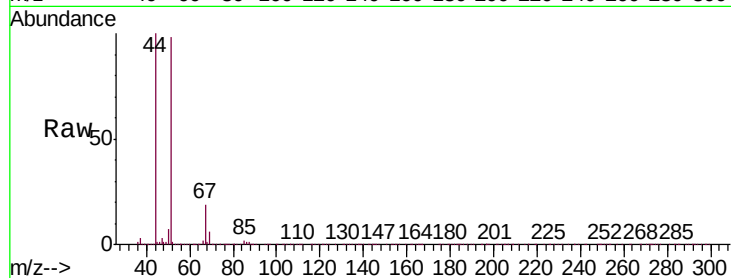
H0FM3

Tgt Ion: 50 Resp: 31525

Ion Ratio Lower Upper

50 100

52 20.3 21.4 39.8#



#17

Methyl tert-butyl Ether

Concen: 0.177 ug/L

RT: 4.89 min Scan# 528

Delta R.T. -0.01 min

Lab File: VR026249.D

Acq: 21 Nov 2018 3:05

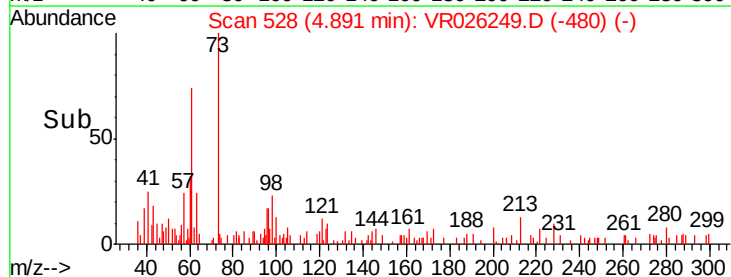
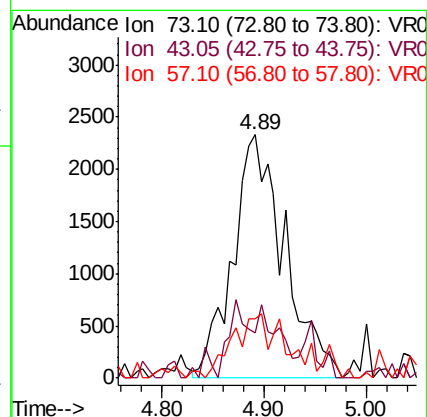
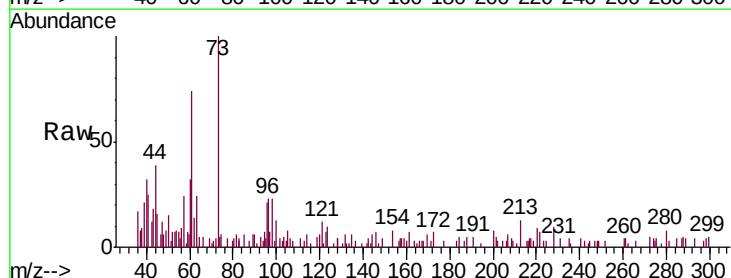
Tgt Ion: 73 Resp: 8203

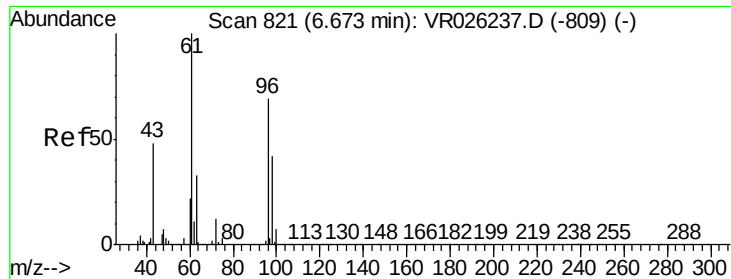
Ion Ratio Lower Upper

73 100

43 13.0 19.0 28.4#

57 17.0 17.9 26.9#



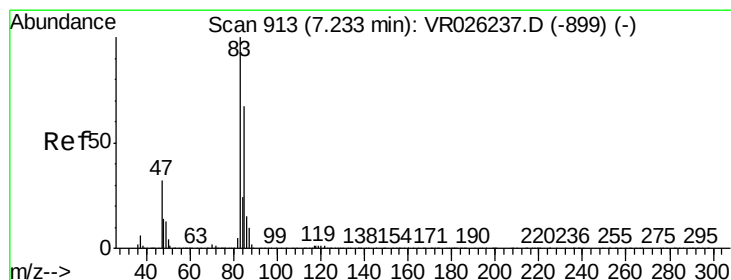
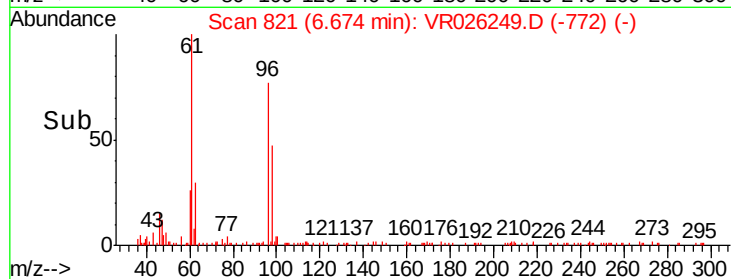
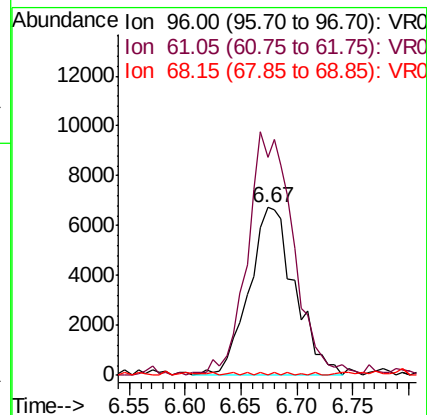
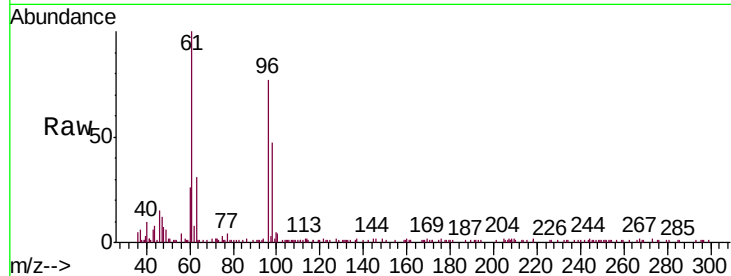


#22

cis-1,2-Dichloroethene
Concen: 0.517 ug/L
RT: 6.67 min Scan# 821
Delta R.T. 0.00 min
Lab File: VR026249.D
Acq: 21 Nov 2018 3:05

Instrument :
MSVOA_R
ClientSampleId :
H0FM3

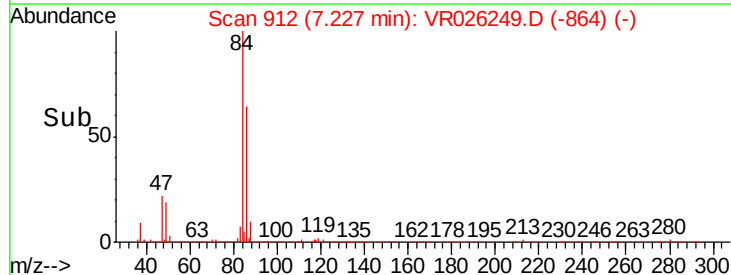
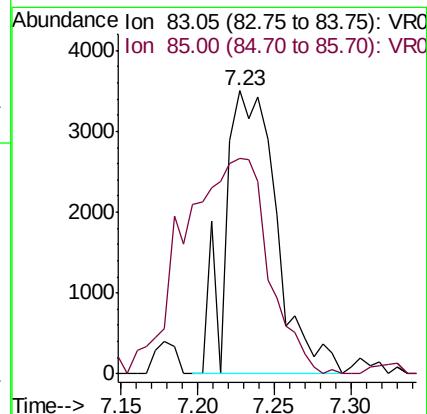
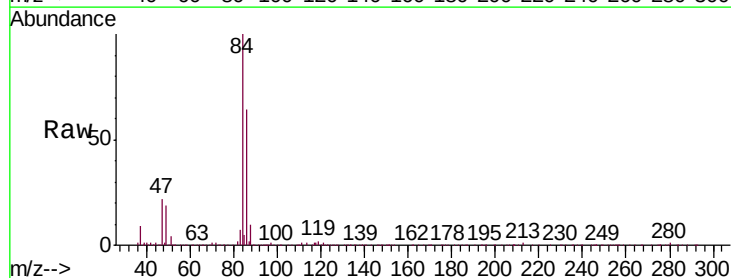
Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.0	94.8	176.2
68	0.0	0.0	0.0

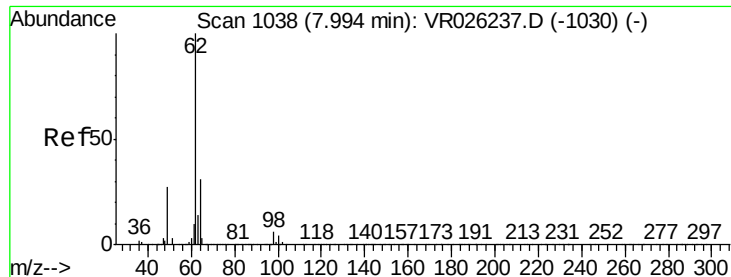


#25

Chloroform
Concen: 0.101 ug/L
RT: 7.23 min Scan# 912
Delta R.T. -0.01 min
Lab File: VR026249.D
Acq: 21 Nov 2018 3:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	76.0	44.4	82.5





#27

1,2-Dichloroethane

Concen: 0.139 ug/L

RT: 7.85 min Scan# 1015

Delta R.T. -0.14 min

Lab File: VR026249.D

Acq: 21 Nov 2018 3:05

Instrument :

MSVOA_R

ClientSampleID :

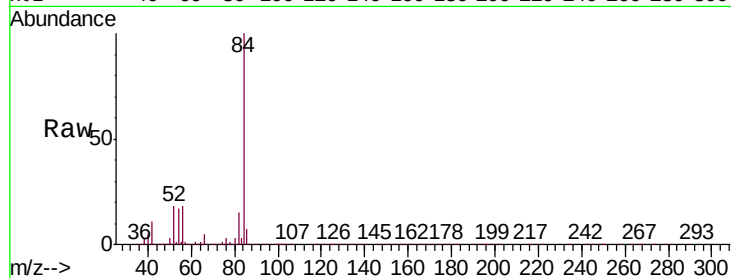
H0FM3

Tgt Ion: 62 Resp: 4546

Ion Ratio Lower Upper

62 100

98 6.6 6.1 9.1



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

2500

2000

1500

1000

500

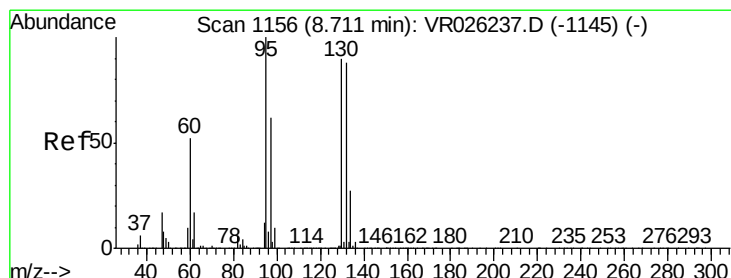
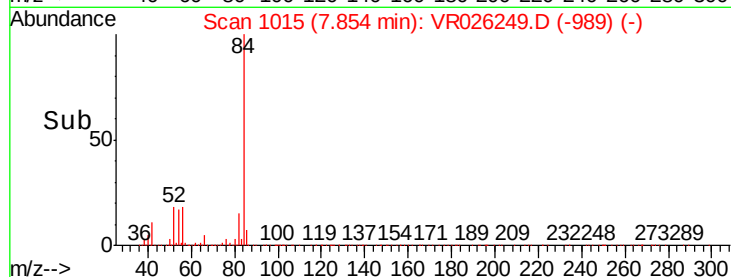
0

7.80

7.85

7.90

Time-->



#34

Trichloroethene

Concen: 0.569 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR026249.D

Acq: 21 Nov 2018 3:05

Tgt Ion: 95 Resp: 23934

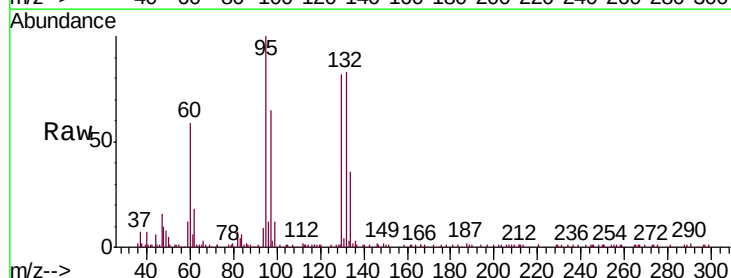
Ion Ratio Lower Upper

95 100

97 65.4 45.1 83.7

132 83.0 59.8 111.0

130 82.4 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

20000

15000

10000

5000

0

8.60

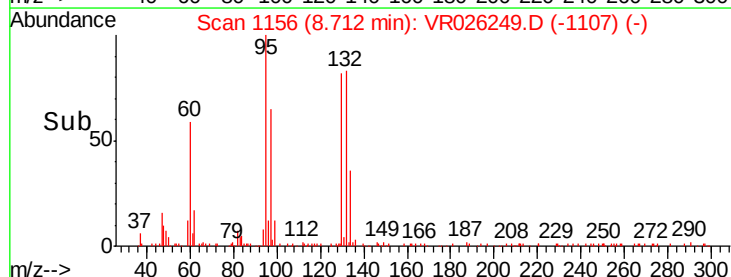
8.65

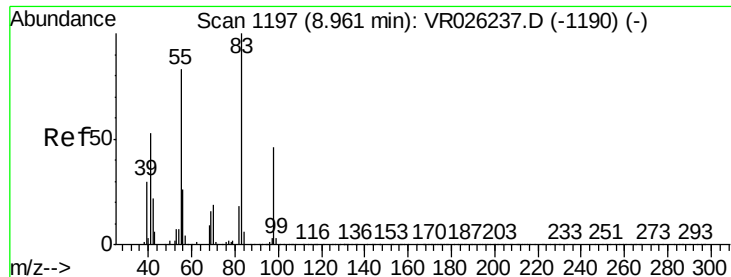
8.70

8.75

8.80

Time-->

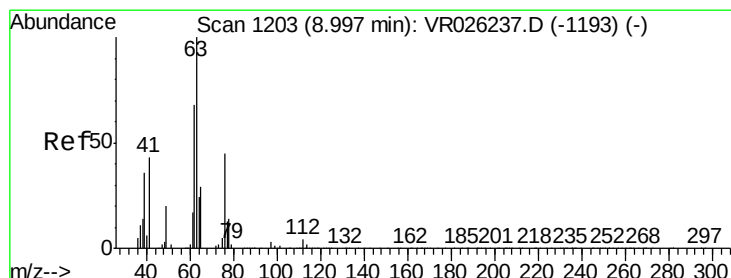
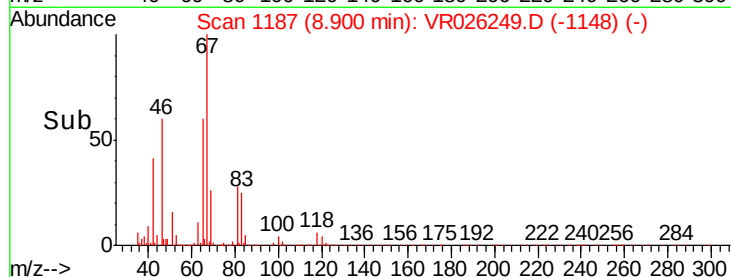
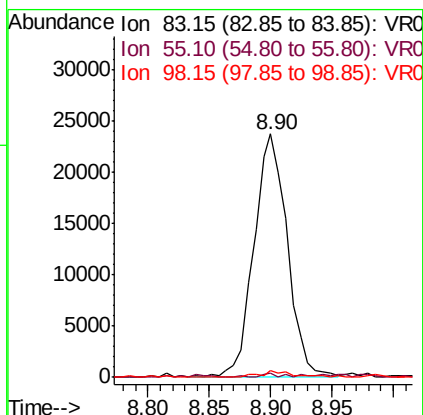
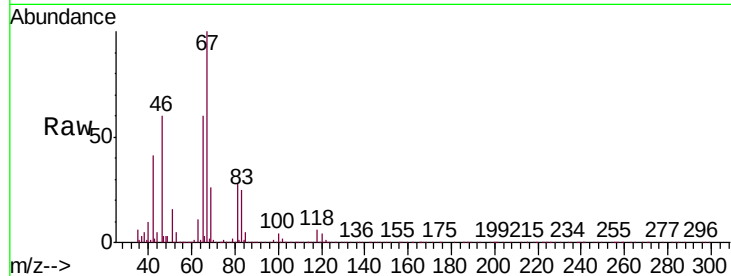




#35
Methylcyclohexane
Concen: 0.807 ug/L
RT: 8.90 min Scan# 1187
Delta R.T. -0.06 min
Lab File: VR026249.D
Acq: 21 Nov 2018 3:05

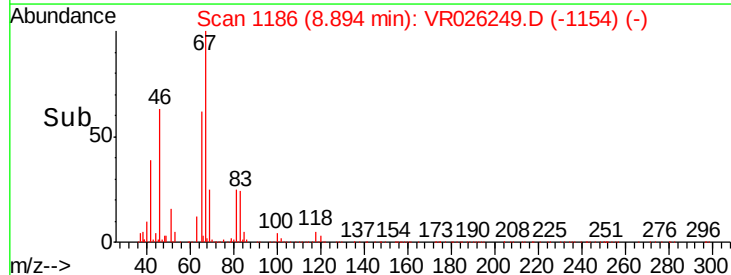
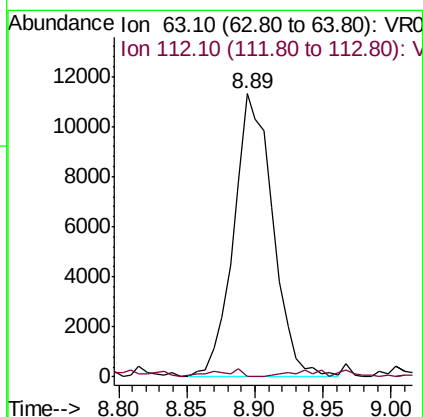
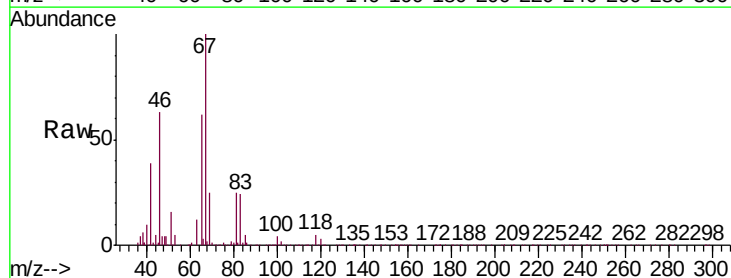
Instrument :
MSVOA_R
ClientSampleId :
H0FM3

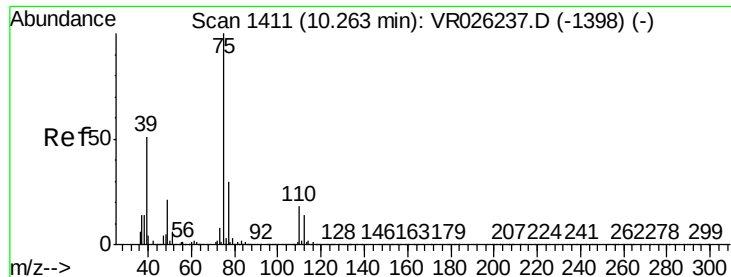
Tgt Ion: 83 Resp: 45154
Ion Ratio Lower Upper
83 100
55 1.5 66.6 100.0#
98 2.7 35.5 53.3#



#37
1,2-Dichloropropane
Concen: 0.689 ug/L
RT: 8.89 min Scan# 1186
Delta R.T. -0.10 min
Lab File: VR026249.D
Acq: 21 Nov 2018 3:05

Tgt Ion: 63 Resp: 22646
Ion Ratio Lower Upper
63 100
112 2.0 3.4 5.0#





#44

trans-1,3-Dichloropropene

Concen: 0.096 ug/L

RT: 10.24 min Scan# 1407

Delta R.T. -0.02 min

Lab File: VR026249.D

Acq: 21 Nov 2018 3:05

Instrument :

MSVOA_R

ClientSampleId :

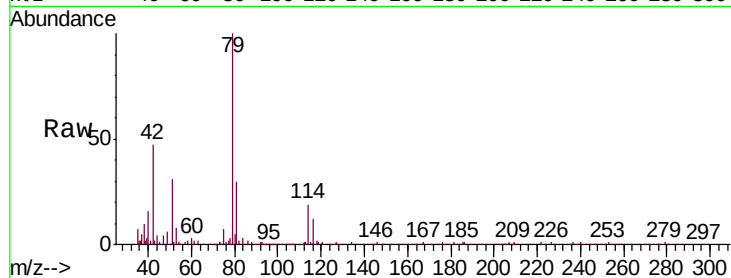
H0FM3

Tgt Ion: 75 Resp: 2470

Ion Ratio Lower Upper

75 100

77 24.8 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

2000

1500

1000

500

0

10.20

10.24

10.28

10.32

10.36

10.40

10.44

10.48

10.52

10.56

10.60

10.64

10.68

10.72

10.76

10.80

10.84

10.88

10.92

10.96

11.00

11.04

11.08

11.12

11.16

11.20

11.24

11.28

11.32

11.36

11.40

11.44

11.48

11.52

11.56

11.60

11.64

11.68

11.72

11.76

11.80

11.84

11.88

11.92

11.96

12.00

12.04

12.08

12.12

12.16

12.20

12.24

12.28

12.32

12.36

12.40

12.44

12.48

12.52

12.56

12.60

12.64

12.68

12.72

12.76

12.80

12.84

12.88

12.92

12.96

13.00

13.04

13.08

13.12

13.16

13.20

13.24

13.28

13.32

13.36

13.40

13.44

13.48

13.52

13.56

13.60

13.64

13.68

13.72

13.76

13.80

13.84

13.88

13.92

13.96

14.00

14.04

14.08

14.12

14.16

14.20

14.24

14.28

14.32

14.36

14.40

14.44

14.48

14.52

14.56

14.60

14.64

14.68

14.72

14.76

14.80

14.84

14.88

14.92

14.96

15.00

15.04

15.08

15.12

15.16

15.20

15.24

15.28

15.32

15.36

15.40

15.44

15.48

15.52

15.56

15.60

15.64

15.68

15.72

15.76

15.80

15.84

15.88

15.92

15.96

16.00

16.04

16.08

16.12

16.16

16.20

16.24

16.28

16.32

16.36

16.40

16.44

16.48

16.52

16.56

16.60

16.64

16.68

16.72

16.76

16.80

16.84

16.88

16.92

16.96

17.00

17.04

17.08

17.12

17.16

17.20

17.24

17.28

17.32

17.36

17.40

17.44

17.48

17.52

17.56

17.60

17.64

17.68

17.72

17.76

17.80

17.84

17.88

17.92

17.96

18.00

18.04

18.08

18.12

18.16

18.20

18.24

18.28

18.32

18.36

18.40

18.44

18.48

18.52

18.56

18.60

18.64

18.68

18.72

18.76

18.80

18.84

18.88

18.92

18.96

19.00

19.04

19.08

19.12

19.16

19.20

19.24

19.28

19.32

19.36

19.40

19.44

19.48

19.52

19.56

19.60

19.64

19.68

19.72

19.76

19.80

19.84

19.88

19.92

19.96

20.00

20.04

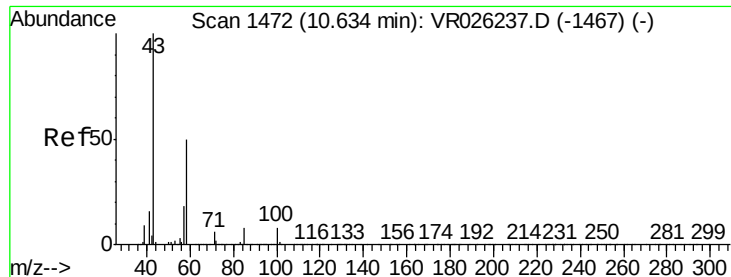
20.08

20.12

20.16

20.20

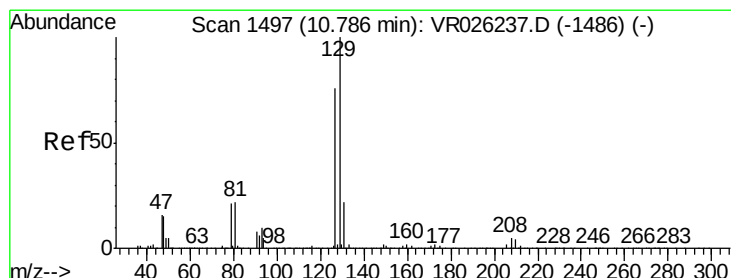
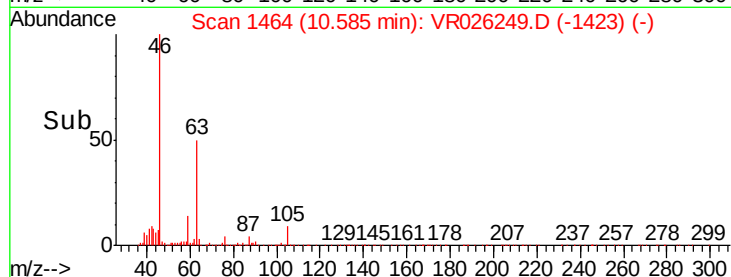
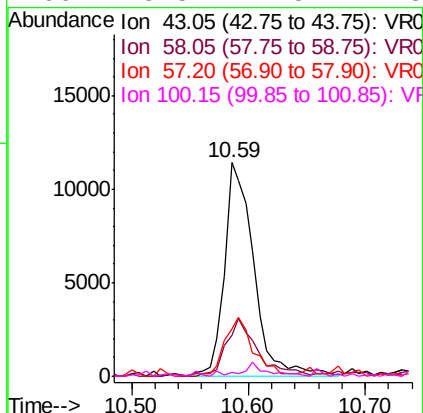
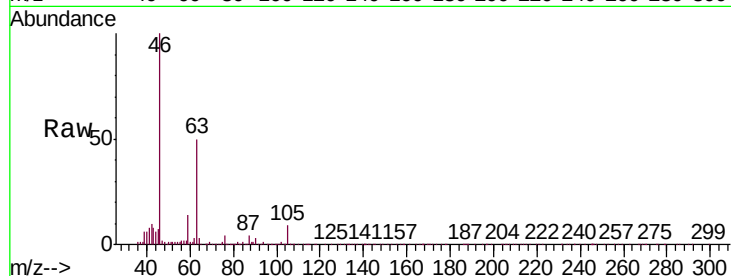
20.24



#48
2-Hexanone
Concen: 3.254 ug/L
RT: 10.59 min Scan# 1464
Delta R.T. -0.05 min
Lab File: VR026249.D
Acq: 21 Nov 2018 3:05

Instrument :
MSVOA_R
ClientSampled :
H0FM3

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.5	41.3	61.9#
57	27.1	14.5	21.7#
100	5.5	7.5	11.3#



#49
Dibromochloromethane
Concen: 31.383 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. -0.27 min
Lab File: VR026249.D
Acq: 21 Nov 2018 3:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.1	52.8	98.0#

