

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062118\
 Data File : VU024806.D
 Acq On : 21 Jun 2018 13:15
 Operator : MD/SY
 Sample : J3556-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SRI3-TB1

Quant Time: Jun 21 15:23:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	201038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	305368	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	289113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	157136	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	142594	43.45	ug/l	0.00
Spiked Amount			Recovery	=	86.90%	
35) Dibromofluoromethane	4.89	113	120233	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
50) Toluene-d8	7.57	98	447160	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	
62) 4-Bromofluorobenzene	10.31	95	165863	45.19	ug/l	0.00
Spiked Amount			Recovery	=	90.38%	

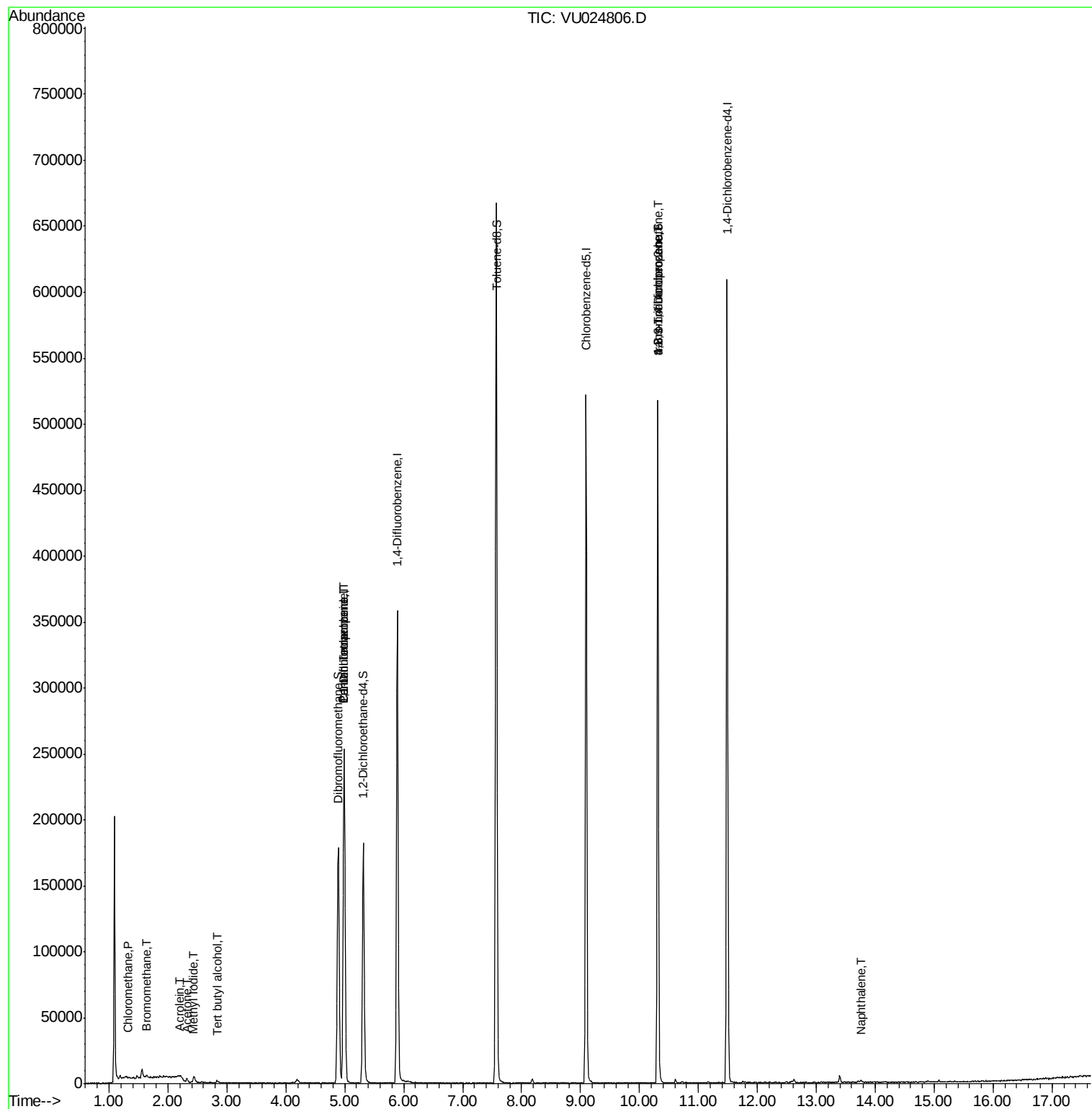
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	864	0.34	ug/l	# 72
5) Bromomethane	1.63	94	648	0.51	ug/l	# 85
6) Chloroethane	1.70	64	205	Below Cal	#	43
8) Diethyl Ether	2.10	74	98	Below Cal	#	25
10) Methyl Iodide	2.42	142	343	5.43	ug/l	# 40
11) Tert butyl alcohol	2.84	59	865	1.08	ug/l	# 72
13) Acrolein	2.19	56	288	0.69	ug/l	# 40
16) Acetone	2.32	43	2659	1.51	ug/l	# 91
31) Cyclohexane	4.99	56	3927	Below Cal	#	17
36) 1,1-Dichloropropene	4.99	75	14433	4.02	ug/l	# 50
38) Carbon Tetrachloride	4.99	117	18604	4.71	ug/l	# 17
76) 1,2,3-Trichloropropane	10.31	75	84633	24.46	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	10.31	75	84633	56.62	ug/l	# 100
95) Naphthalene	13.75	128	2178	0.87	ug/l	# 88

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU062118\
Data File : VU024806.D
Acq On : 21 Jun 2018 13:15
Operator : MD/SY
Sample : J3556-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SRI3-TB1

Quant Time: Jun 21 15:23:35 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024806.D

Acq: 21 Jun 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

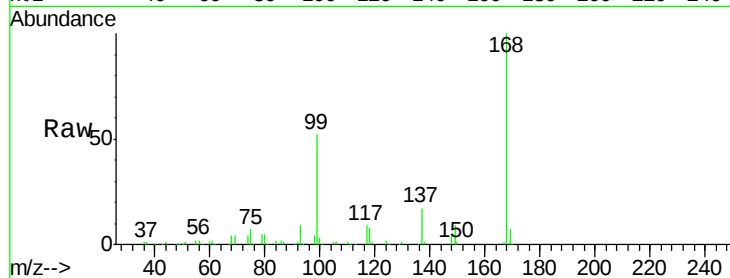
SRI3-TB1

Tot Ion:168 Resp: 201038

Ion Ratio Lower Upper

168 100

99 52.2 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D

Ion 98.90 (98.60 to 99.60): VU024502.D

4.99

80000

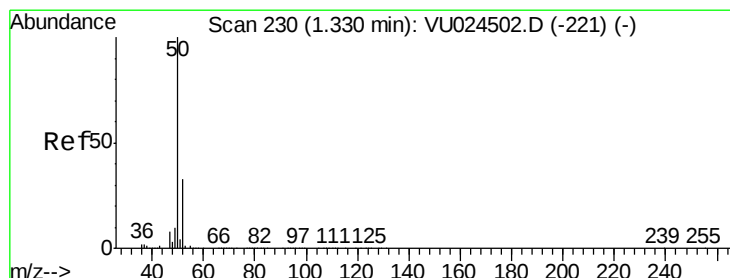
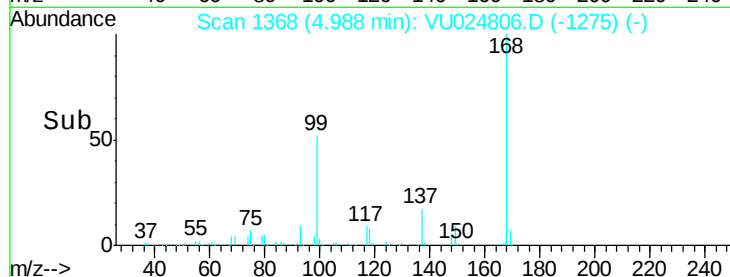
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.34 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024806.D

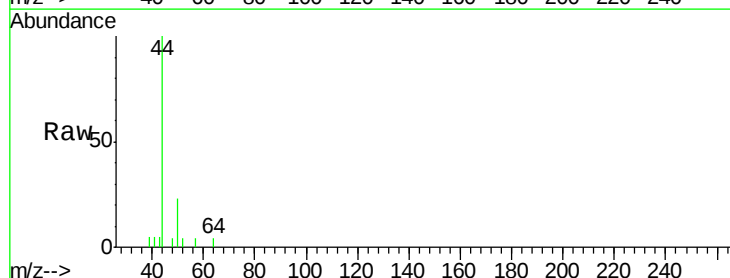
Acq: 21 Jun 2018 13:15

Tgt Ion: 50 Resp: 864

Ion Ratio Lower Upper

50 100

52 16.9 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D

Ion 51.90 (51.60 to 52.60): VU024502.D

1.33

800

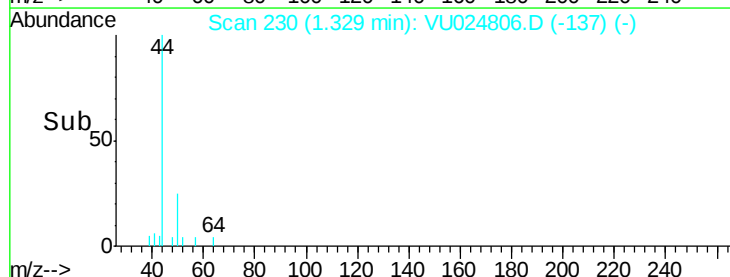
600

400

200

0

Time-->





#5

Bromomethane

Concen: 0.51 ug/l

RT: 1.63 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU024806.D

Acq: 21 Jun 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

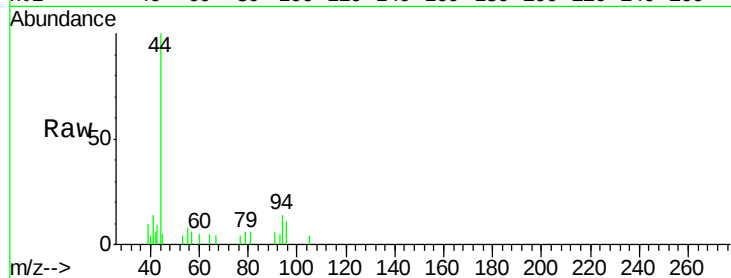
SRI3-TB1

Tot Ion: 94 Resp: 648

Ion Ratio Lower Upper

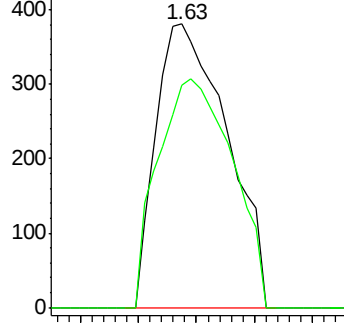
94 100

96 78.5 74.5 111.7

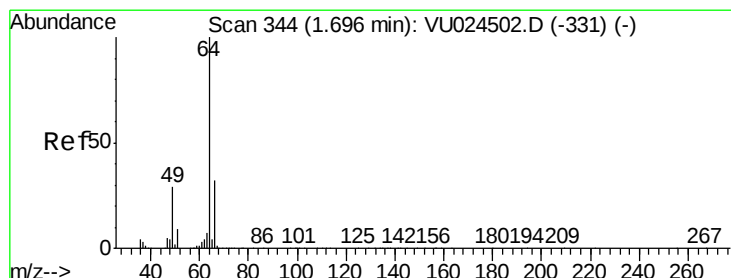
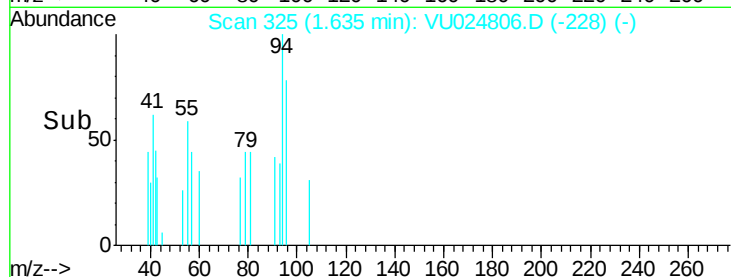


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU024806.D

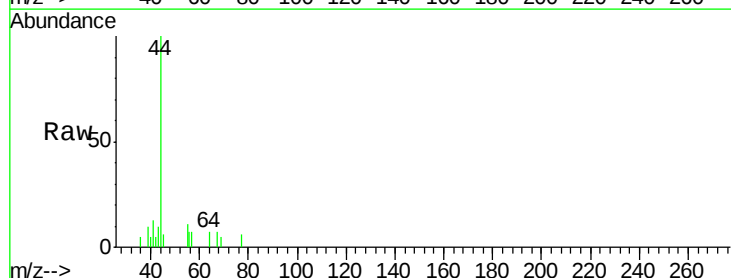
Acq: 21 Jun 2018 13:15

Tgt Ion: 64 Resp: 205

Ion Ratio Lower Upper

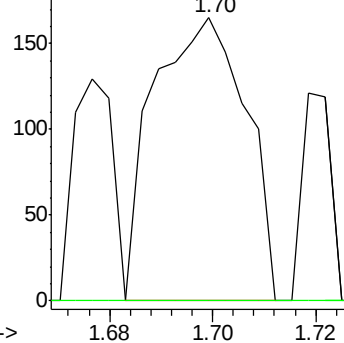
64 100

66 0.0 25.5 38.3#

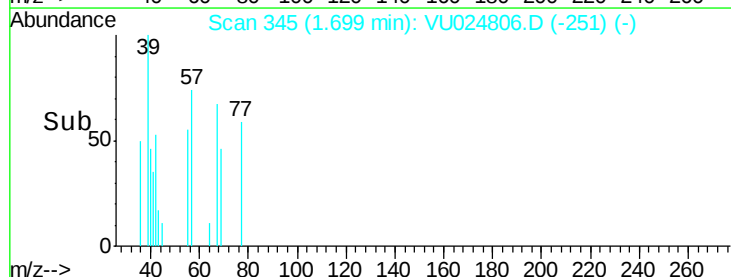


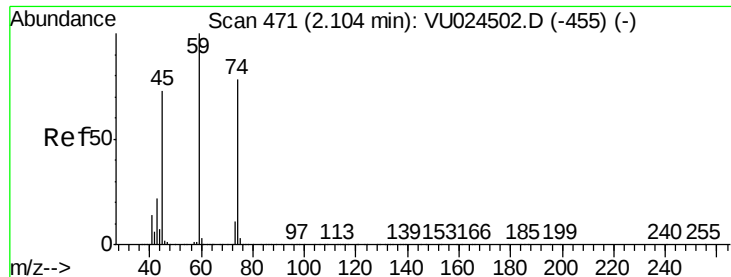
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time-->





#8

Diethyl Ether

Concen: Below Cal

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU024806.D

Acq: 21 Jun 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

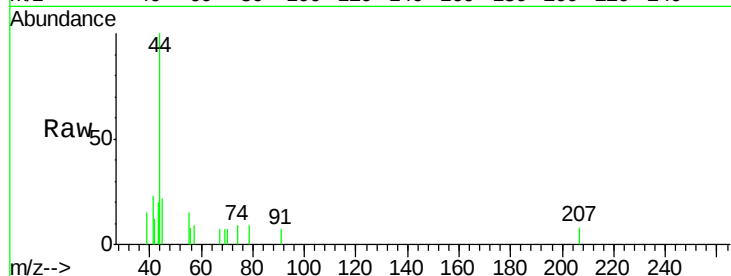
SRI3-TB1

Tot Ion: 74 Resp: 98

Ion Ratio Lower Upper

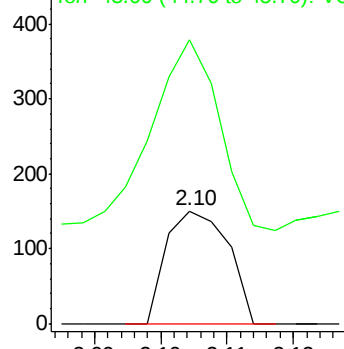
74 100

45 188.8 55.0 165.0#

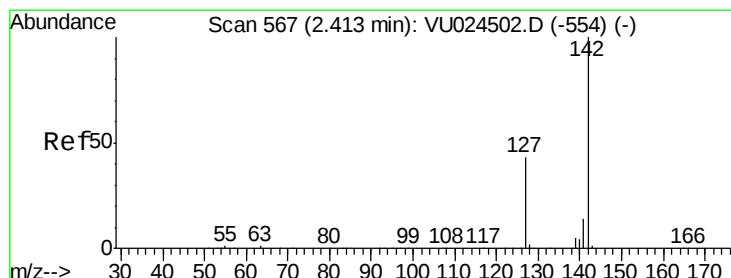
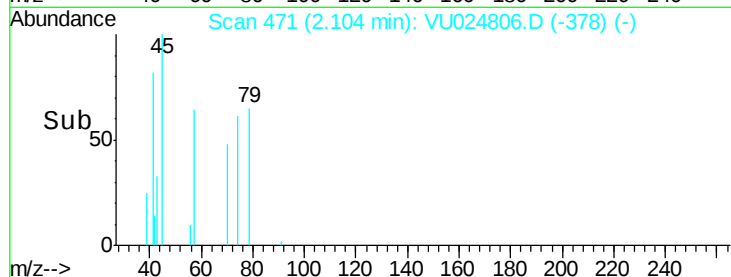


Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0



Time-->



#10

Methyl Iodide

Concen: 5.43 ug/l

RT: 2.42 min Scan# 569

Delta R.T. 0.01 min

Lab File: VU024806.D

Acq: 21 Jun 2018 13:15

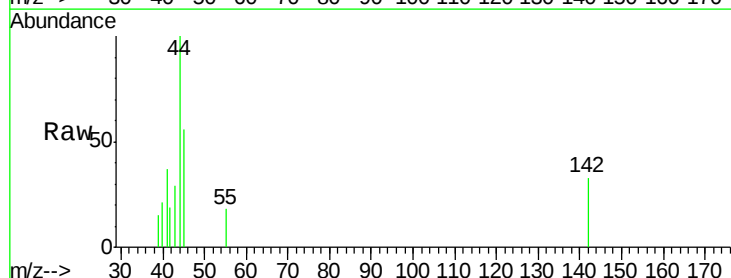
Tgt Ion: 142 Resp: 343

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

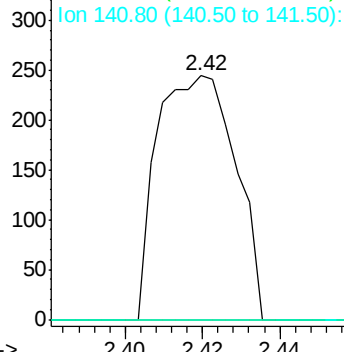
141 0.0 11.7 17.5#



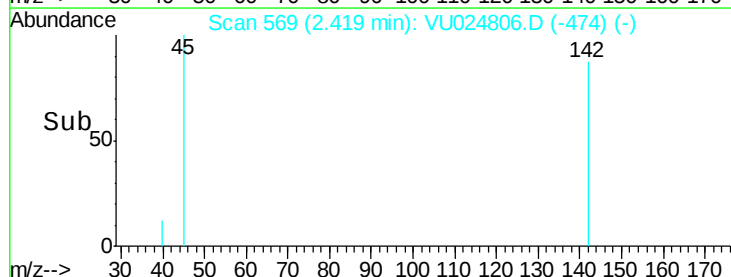
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->

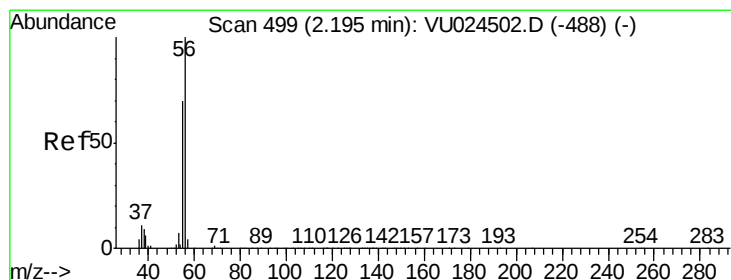
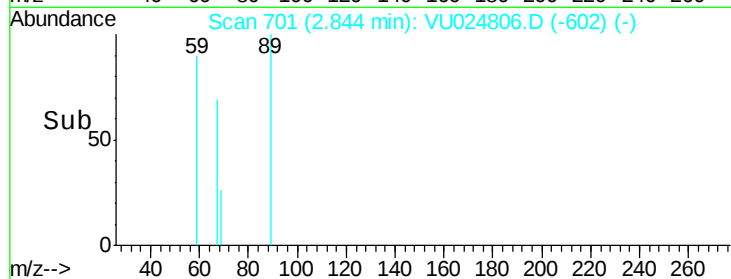
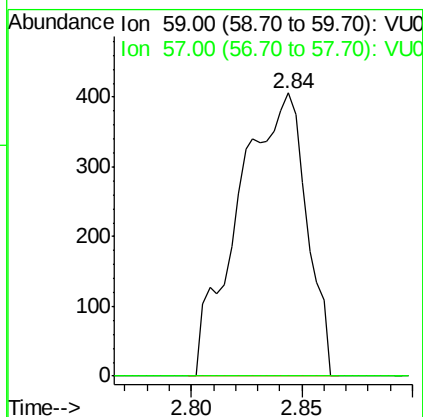
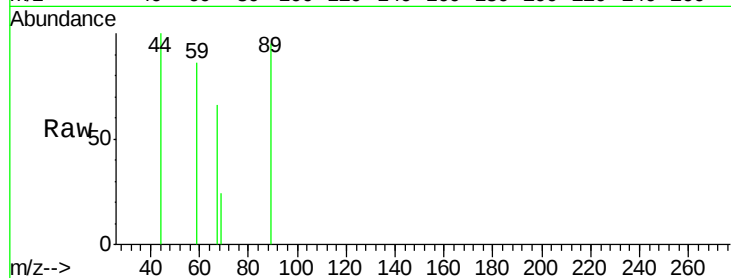




#11
Tert butyl alcohol
Concen: 1.08 ug/l
RT: 2.84 min Scan# 701
Delta R.T. 0.02 min
Lab File: VU024806.D
Acq: 21 Jun 2018 13:15

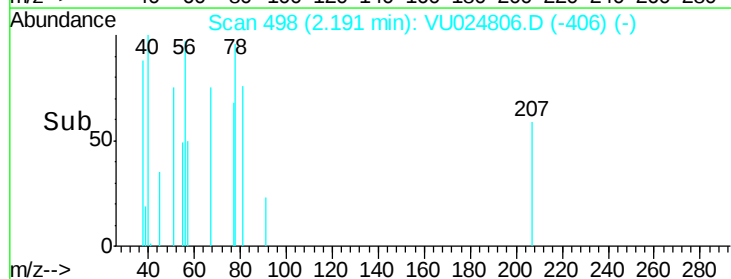
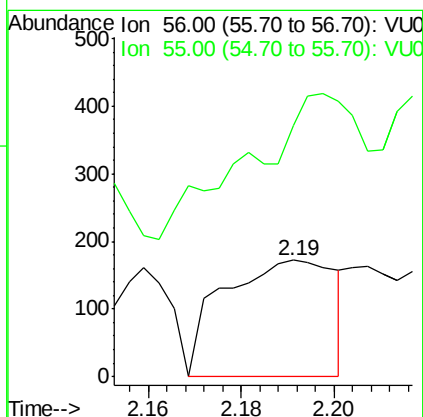
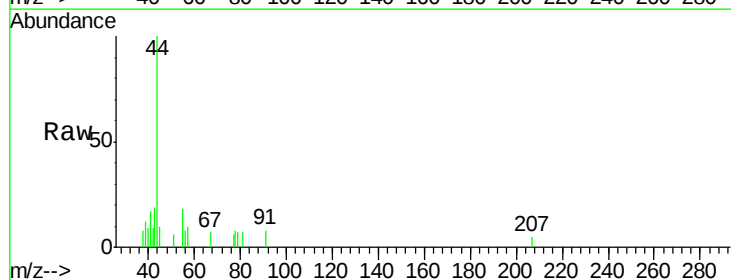
Instrument :
MSVOA_U
ClientSampleId :
SRI3-TB1

Tot Ion: 59 Resp: 865
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 0.69 ug/l
RT: 2.19 min Scan# 498
Delta R.T. -0.00 min
Lab File: VU024806.D
Acq: 21 Jun 2018 13:15

Tgt Ion: 56 Resp: 288
Ion Ratio Lower Upper
56 100
55 123.6 58.4 87.6#





#16

Acetone

Concen: 1.51 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024806.D

Acq: 21 Jun 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

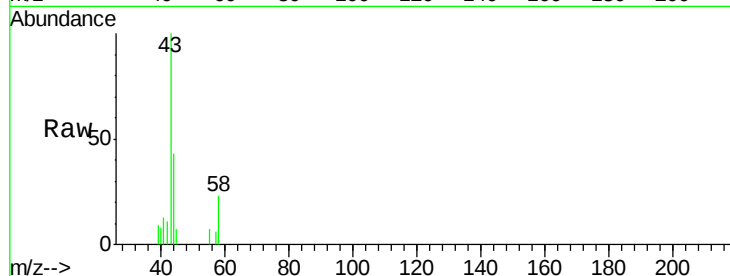
SRI3-TB1

Tot Ion: 43 Resp: 2659

Ion Ratio Lower Upper

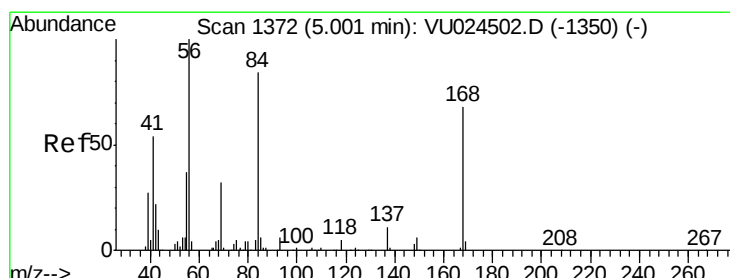
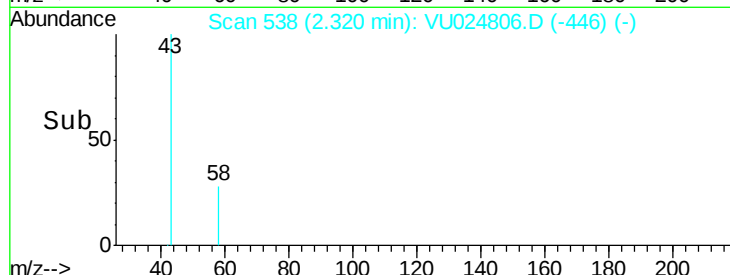
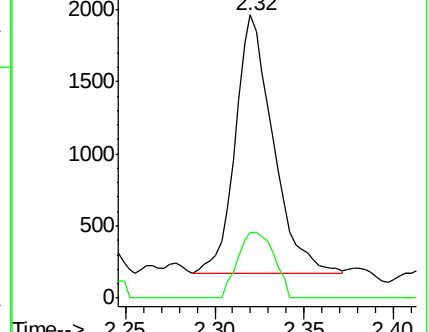
43 100

58 25.7 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-521) (-)

Ion 58.00 (57.70 to 58.70): VU024502.D (-521) (-)



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU024806.D

Acq: 21 Jun 2018 13:15

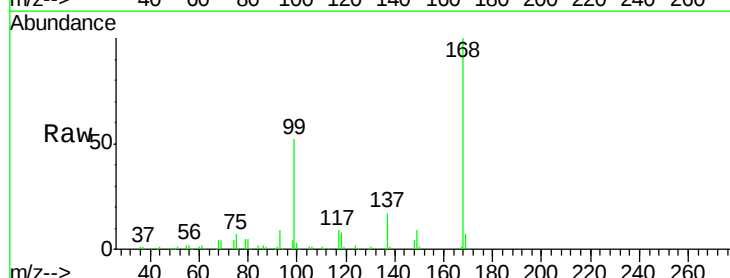
Tgt Ion: 56 Resp: 3927

Ion Ratio Lower Upper

56 100

69 160.7 24.8 37.2#

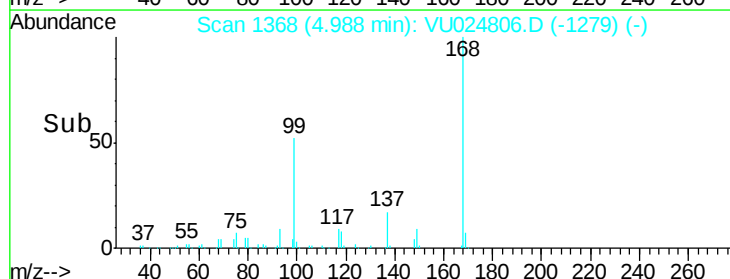
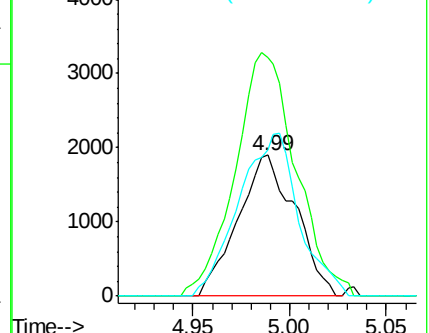
84 104.2 65.2 97.8#



Abundance Ion 56.00 (55.70 to 56.70): VU024502.D (-1350) (-)

Ion 69.00 (68.70 to 69.70): VU024502.D (-1350) (-)

Ion 84.00 (83.70 to 84.70): VU024502.D (-1350) (-)

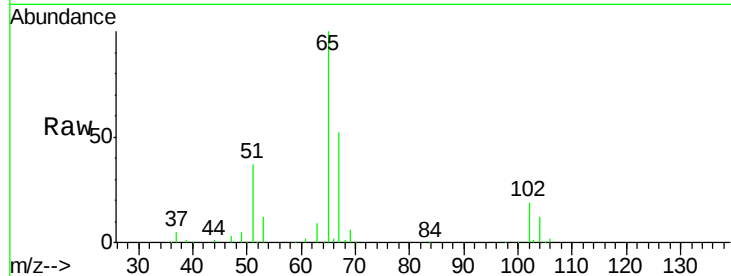




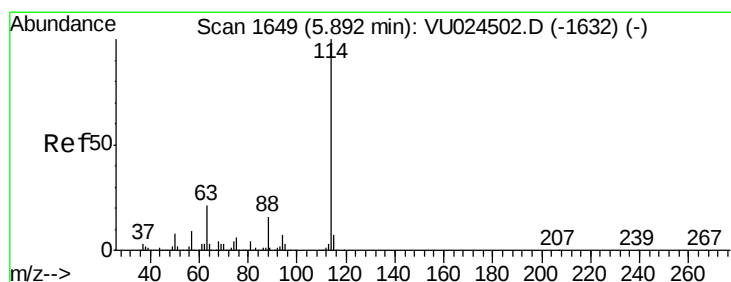
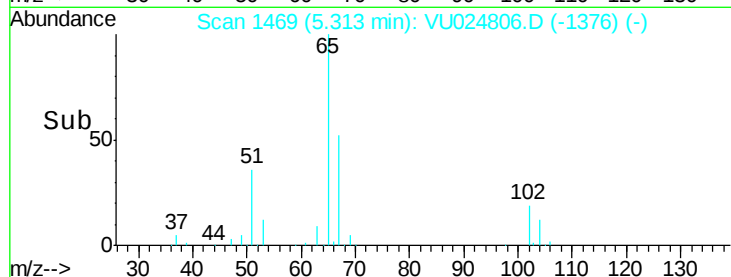
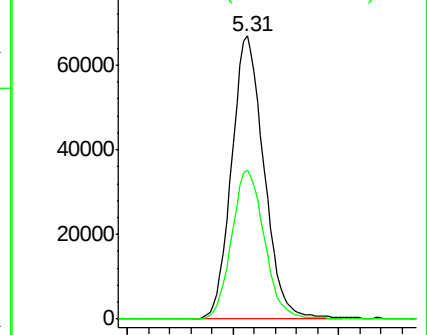
#33
 1,2-Dichloroethane-d4
 Concen: 43.45 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024806.D
 Acq: 21 Jun 2018 13:15

Instrument :
 MSVOA_U
 ClientSampleId :
 SRI3-TB1

Tot Ion: 65 Resp: 142594
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 107.0

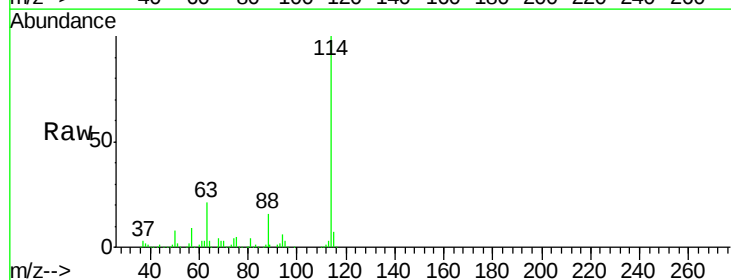


Abundance Ion 64.90 (64.60 to 65.60): VU024806.D (-1376) (-)
 Ion 66.90 (66.60 to 67.60): VU024806.D (-1376) (-)

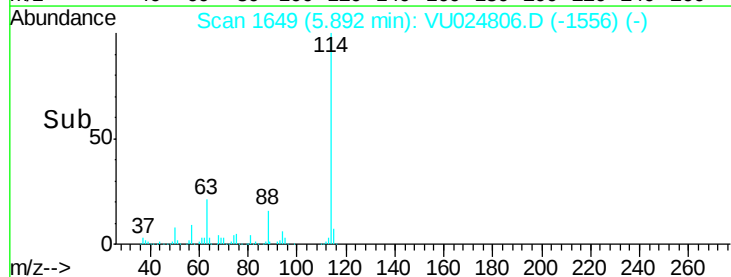
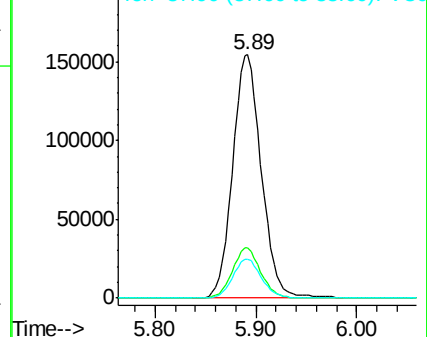


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024806.D
 Acq: 21 Jun 2018 13:15

Tgt Ion: 114 Resp: 305368
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 45.4
 88 15.9 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VU024806.D (-1556) (-)
 Ion 63.00 (62.70 to 63.70): VU024806.D (-1556) (-)
 Ion 87.90 (87.60 to 88.60): VU024806.D (-1556) (-)





#35

Dibromofluoromethane

Concen: 47.44 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024806.D

Acq: 21 Jun 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

SRI3-TB1

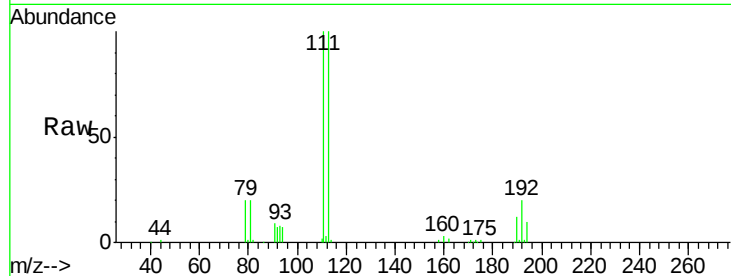
Tot Ion:113 Resp: 120233

Ion Ratio Lower Upper

113 100

111 101.4 82.2 123.4

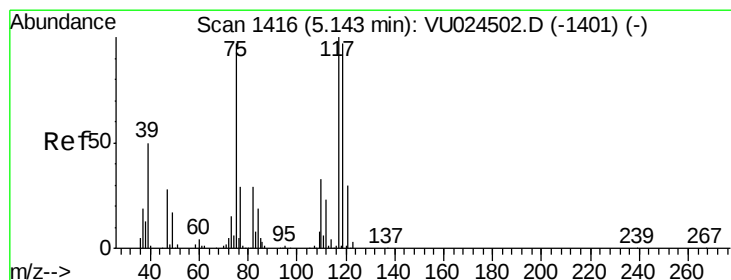
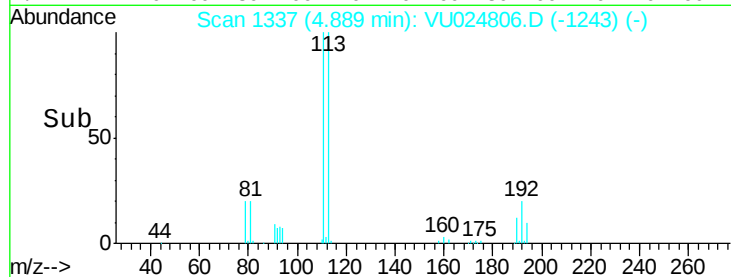
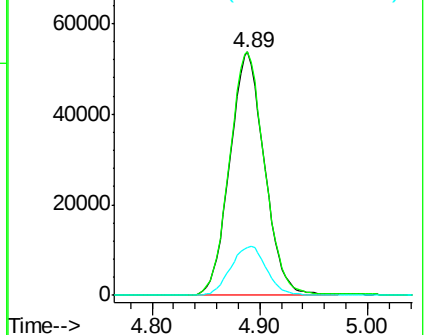
192 20.8 16.2 24.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.02 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU024806.D

Acq: 21 Jun 2018 13:15

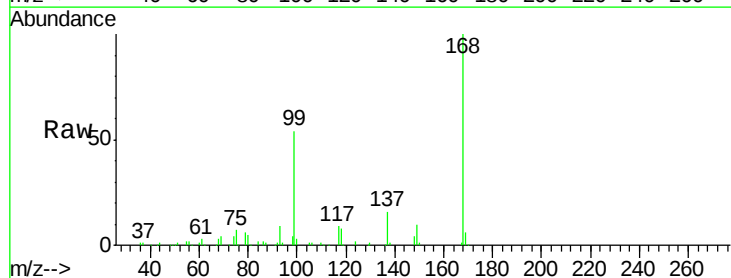
Tgt Ion: 75 Resp: 14433

Ion Ratio Lower Upper

75 100

110 8.0 17.0 50.9#

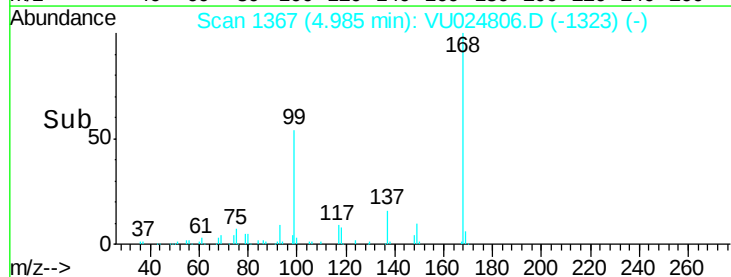
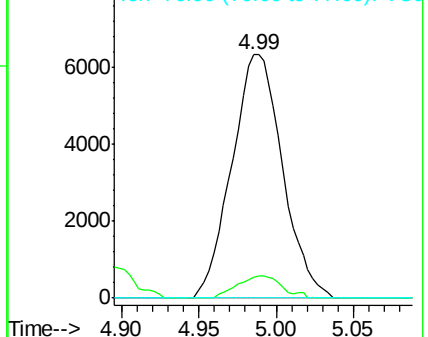
77 0.0 24.2 36.4#

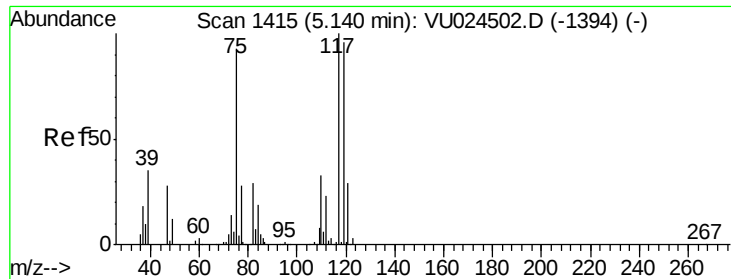


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

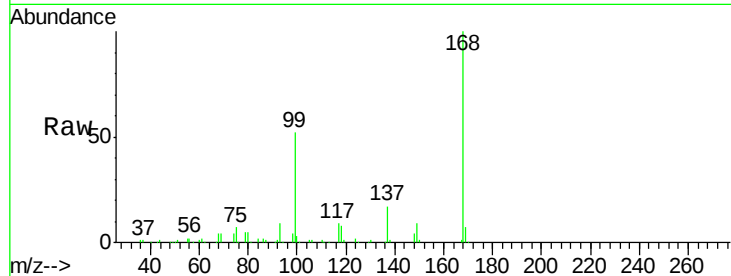




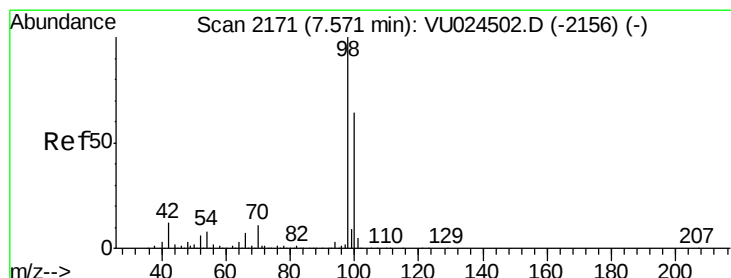
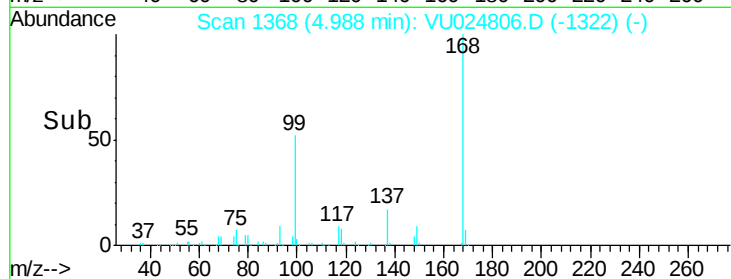
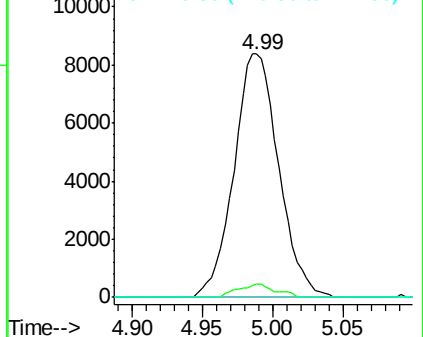
#38
Carbon Tetrachloride
Concen: 4.71 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.15 min
Lab File: VU024806.D
Acq: 21 Jun 2018 13:15

Instrument :
MSVOA_U
ClientSampled :
SRI3-TB1

Tot Ion:117 Resp: 18604
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 23.7 35.5#

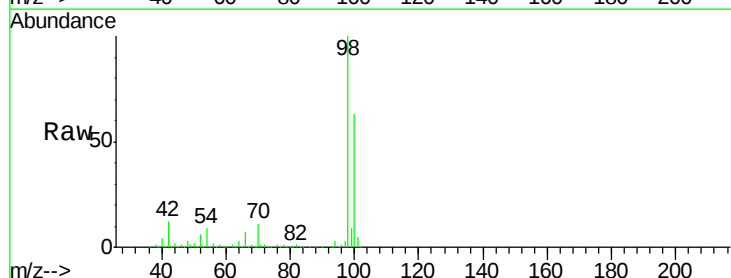


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

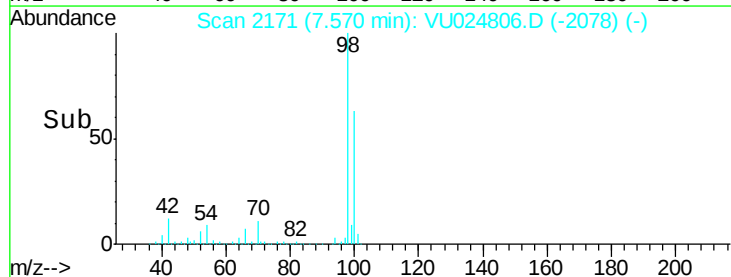
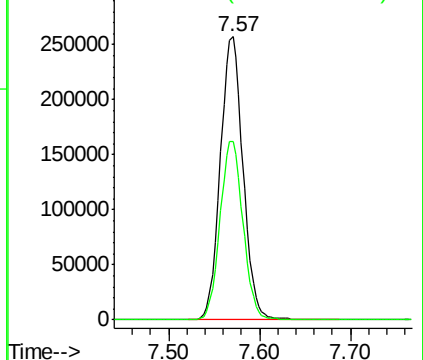


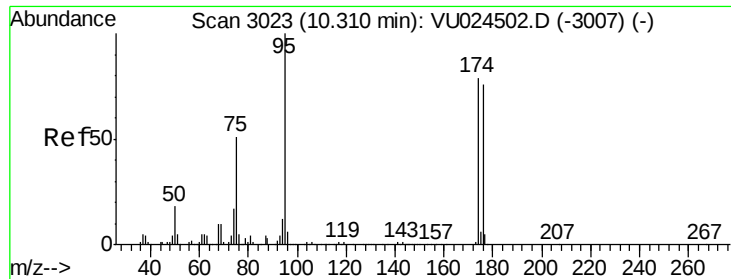
#50
Toluene-d8
Concen: 48.37 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU024806.D
Acq: 21 Jun 2018 13:15

Tgt Ion: 98 Resp: 447160
Ion Ratio Lower Upper
98 100
100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU

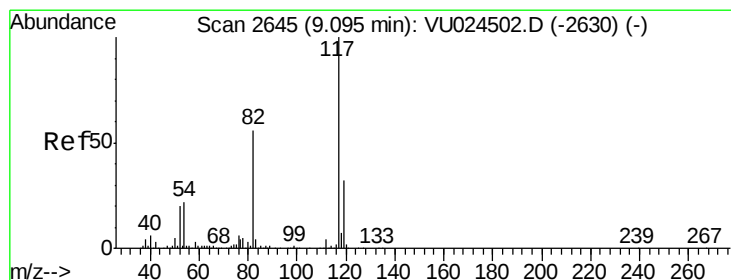
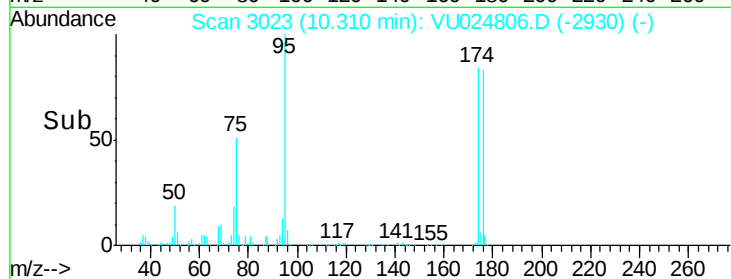
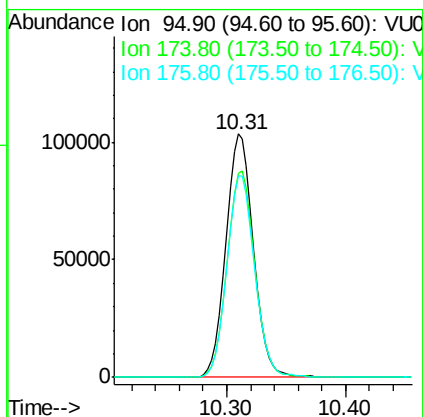
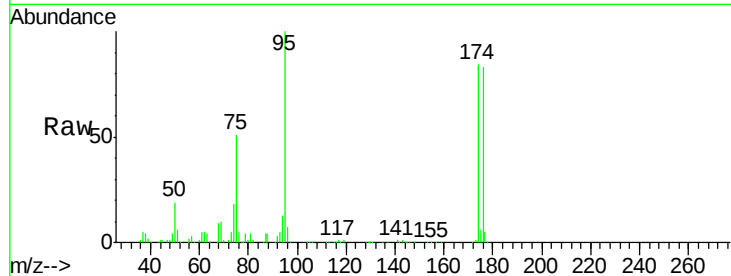




#62
4-Bromofluorobenzene
Concen: 45.19 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024806.D
Acq: 21 Jun 2018 13:15

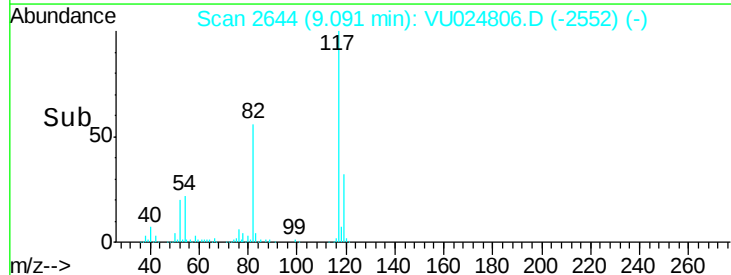
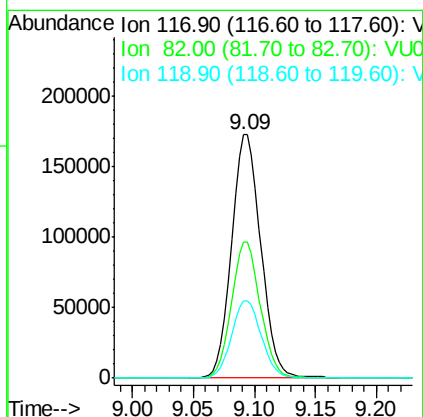
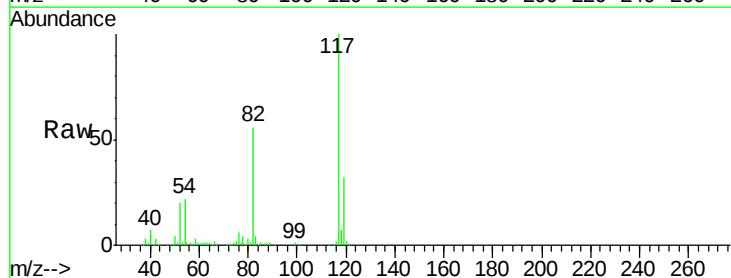
Instrument :
MSVOA_U
ClientSampled :
SRI3-TB1

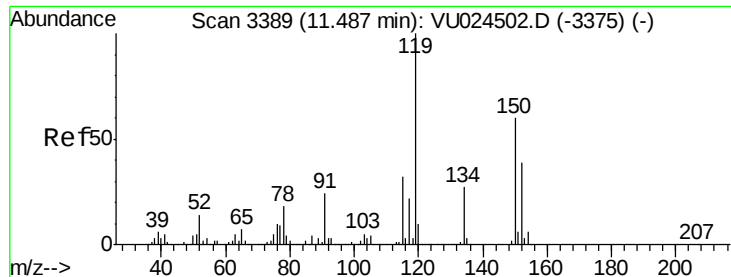
Tot Ion: 95 Resp: 165863
Ion Ratio Lower Upper
95 100
174 85.6 0.0 165.8
176 83.7 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024806.D
Acq: 21 Jun 2018 13:15

Tgt Ion: 117 Resp: 289113
Ion Ratio Lower Upper
117 100
82 56.0 44.3 66.5
119 31.8 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024806.D

Acq: 21 Jun 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

SRI3-TB1

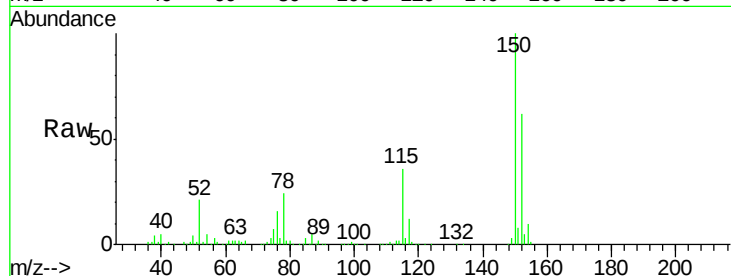
Tot Ion:152 Resp: 157136

Ion Ratio Lower Upper

152 100

115 57.0 43.0 129.0

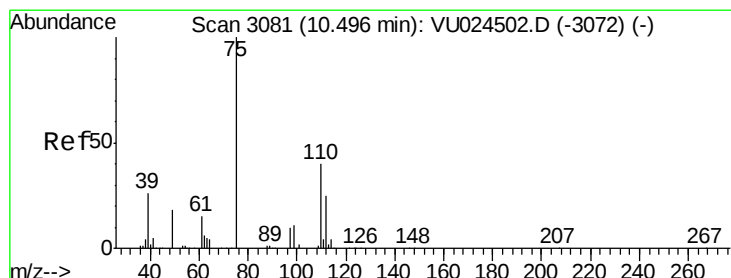
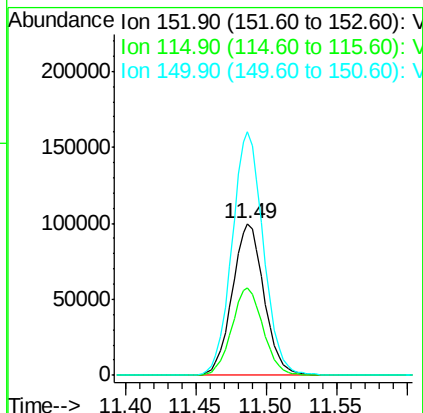
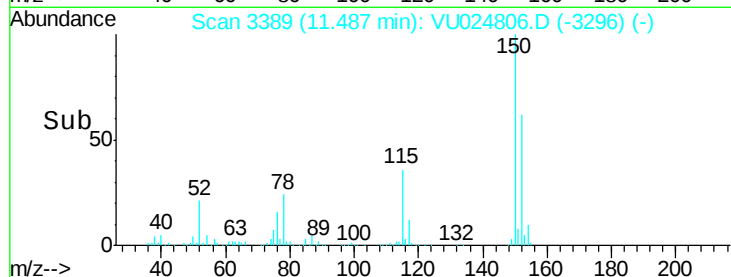
150 159.0 0.0 354.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.46 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024806.D

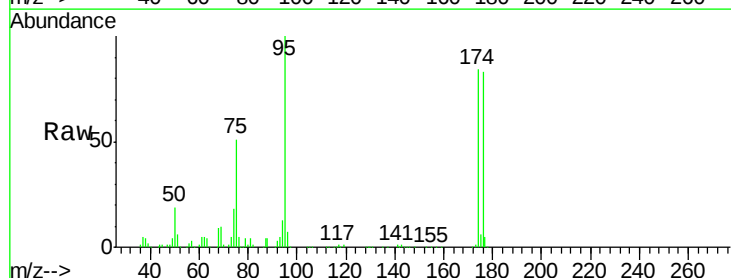
Acq: 21 Jun 2018 13:15

Tgt Ion: 75 Resp: 84633

Ion Ratio Lower Upper

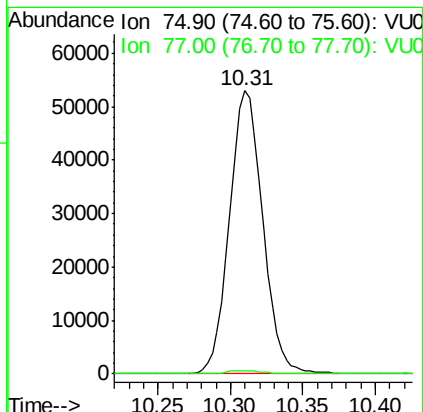
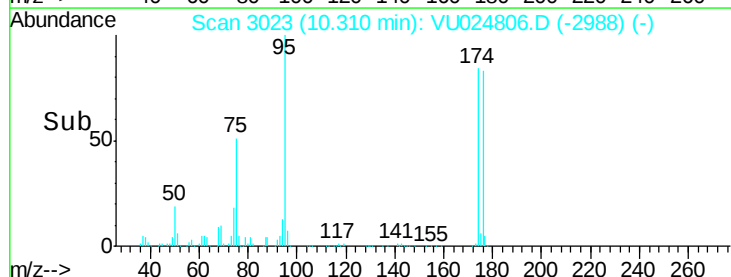
75 100

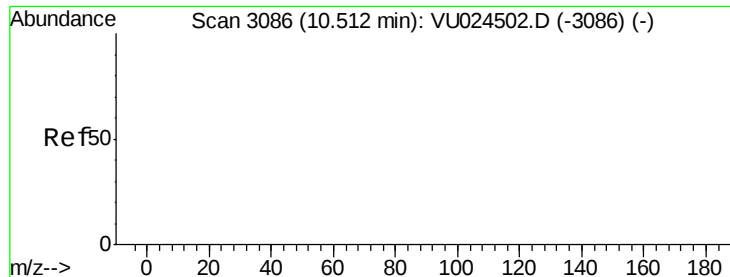
77 1.2 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 56.62 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024806.D

Acq: 21 Jun 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

SRI3-TB1

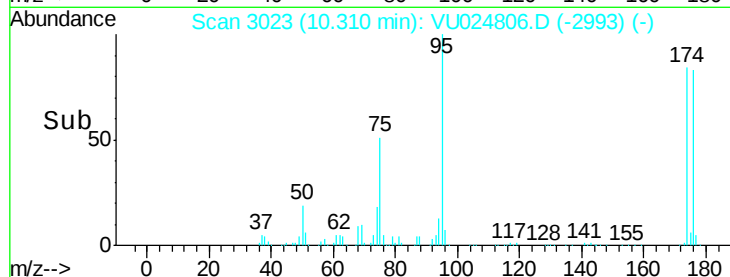
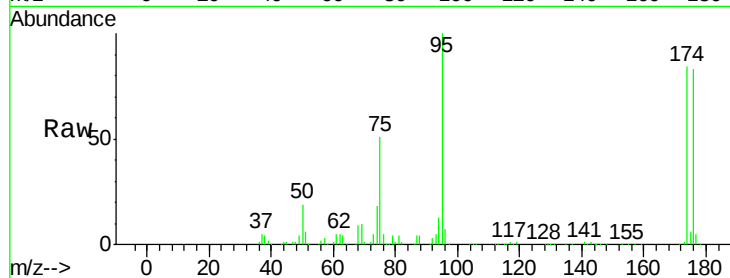
Tot Ion: 75 Resp: 84633

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

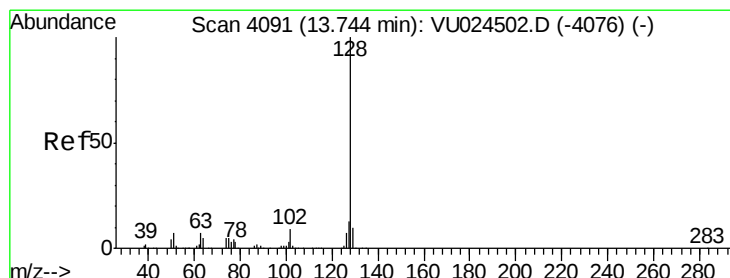
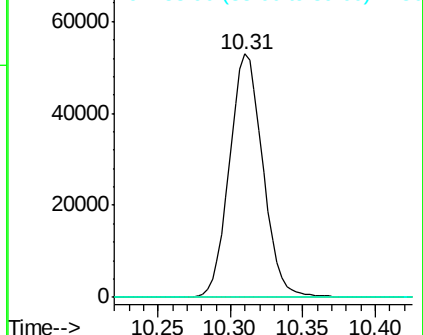
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024806.D (-2993) (-)

Ion 53.00 (52.70 to 53.70): VU024806.D (-2993) (-)

Ion 88.90 (88.60 to 89.60): VU024806.D (-2993) (-)



#95

Naphthalene

Concen: 0.87 ug/l

RT: 13.75 min Scan# 4093

Delta R.T. 0.01 min

Lab File: VU024806.D

Acq: 21 Jun 2018 13:15

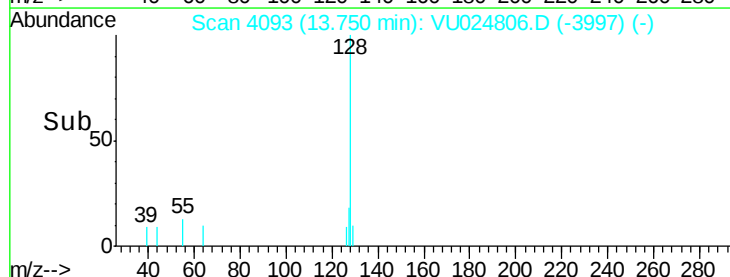
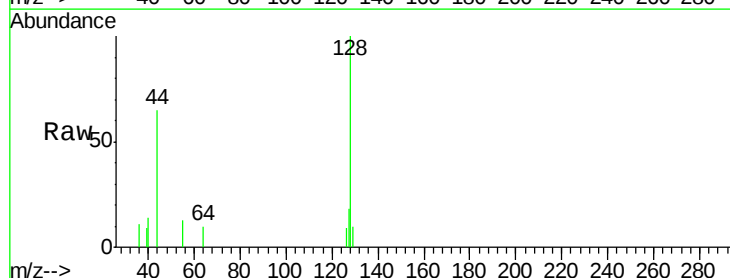
Tgt Ion:128 Resp: 2178

Ion Ratio Lower Upper

128 100

127 10.6 10.6 16.0#

129 3.8 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VU024806.D (-3997) (-)

Ion 127.00 (126.70 to 127.70): VU024806.D (-3997) (-)

Ion 129.00 (128.70 to 129.70): VU024806.D (-3997) (-)

