

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062118\
 Data File : VU024816.D
 Acq On : 21 Jun 2018 17:18
 Operator : MD/SY
 Sample : J3561-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0623

Quant Time: Jun 22 03:52:24 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	197009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	297839	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	280586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	153517	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	143067	44.48	ug/l	0.00
Spiked Amount			Recovery	=	88.96%	
35) Dibromofluoromethane	4.89	113	117718	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	
50) Toluene-d8	7.57	98	438929	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
62) 4-Bromofluorobenzene	10.31	95	162012	45.26	ug/l	0.00
Spiked Amount			Recovery	=	90.52%	

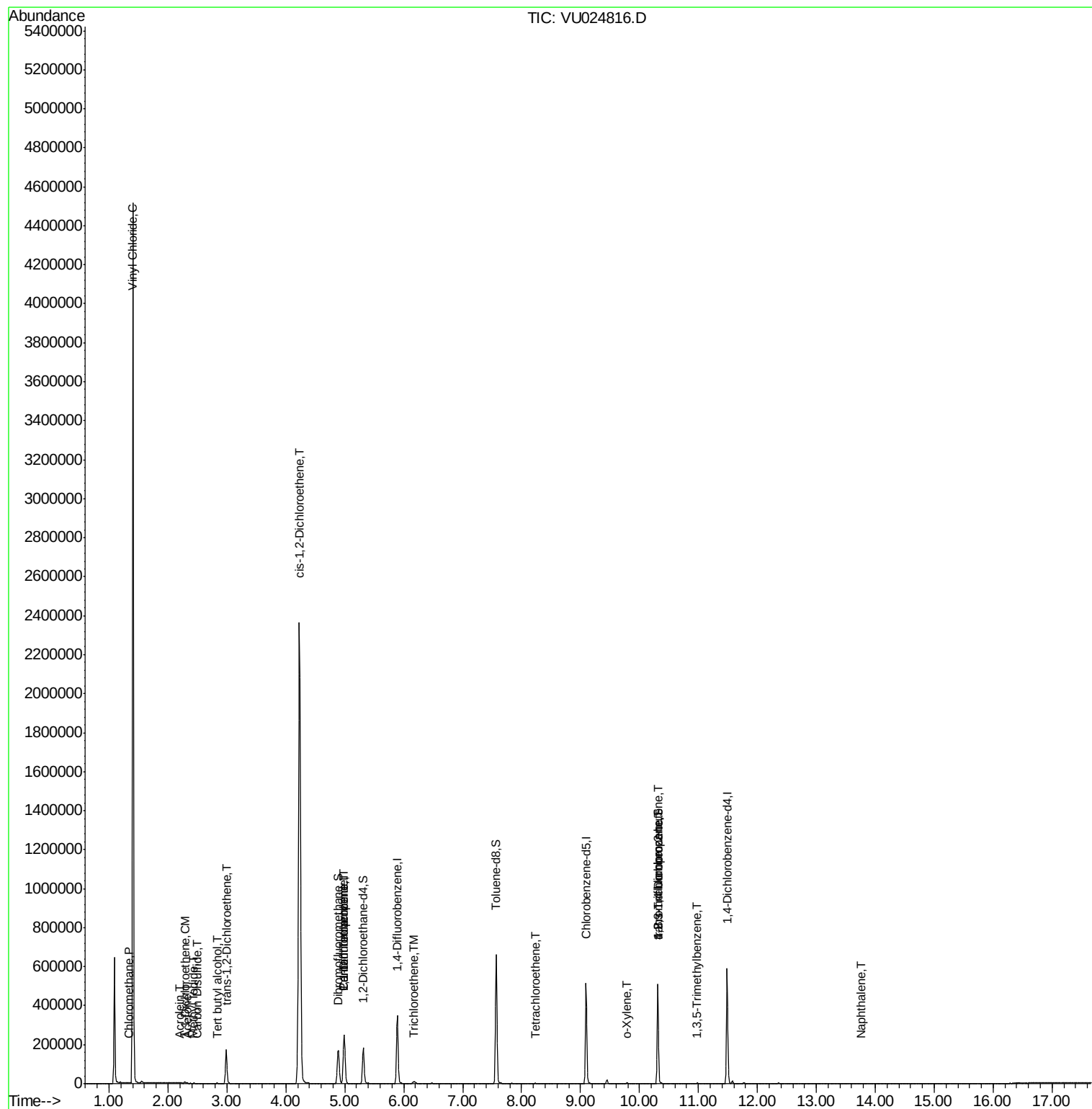
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	660	0.262	ug/l	94
4) Vinyl Chloride	1.40	62	2807180	1080.462	ug/l	98
10) Methyl Iodide	2.42	142	103	5.333	ug/l #	40
11) Tert butyl alcohol	2.83	59	1261	1.612	ug/l #	80
12) 1,1-Dichloroethene	2.29	96	2878	1.283	ug/l	83
13) Acrolein	2.19	56	159	0.387	ug/l #	13
16) Acetone	2.32	43	3343	1.935	ug/l	96
17) Carbon Disulfide	2.48	76	1739	0.242	ug/l #	75
21) trans-1,2-Dichloroethene	2.99	96	67024	27.128	ug/l	96
27) cis-1,2-Dichloroethene	4.23	96	1325471	466.639	ug/l	88
31) Cyclohexane	4.99	56	4130	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	14003	4.001	ug/l #	51
38) Carbon Tetrachloride	4.99	117	18157	4.718	ug/l #	16
44) Trichloroethene	6.19	130	1610	0.567	ug/l	79
64) Tetrachloroethene	8.23	164	648	0.243	ug/l #	84
69) o-Xylene	9.78	106	1228	0.257	ug/l	78
76) 1,2,3-Trichloropropane	10.31	75	82599	24.438	ug/l #	35
80) 1,3,5-Trimethylbenzene	10.98	105	2259	0.221	ug/l	89
81) trans-1,4-Dichloro-2-buten	10.31	75	82599	56.561	ug/l #	100
95) Naphthalene	13.76	128	148	0.692	ug/l #	69

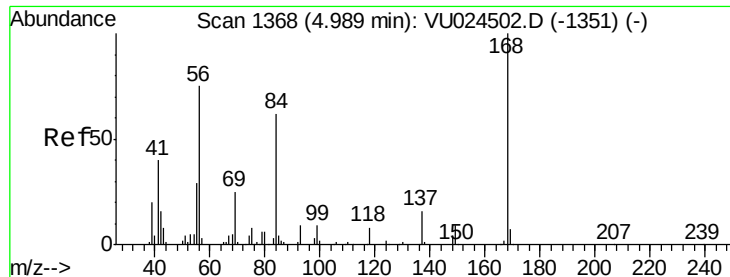
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024816.D

Acq: 21 Jun 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

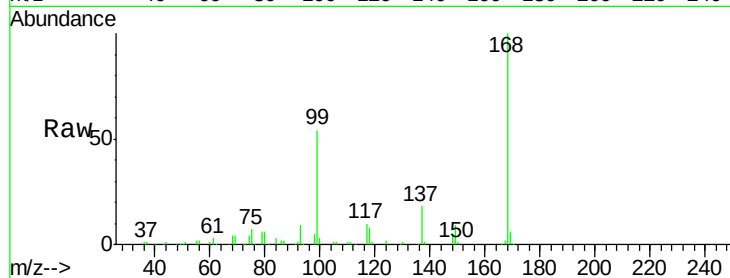
S32-0623

Tot Ion:168 Resp: 197009

Ion Ratio Lower Upper

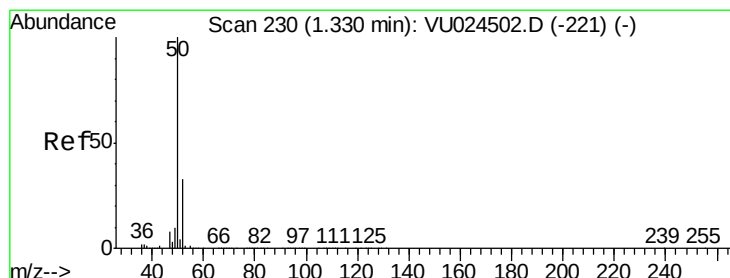
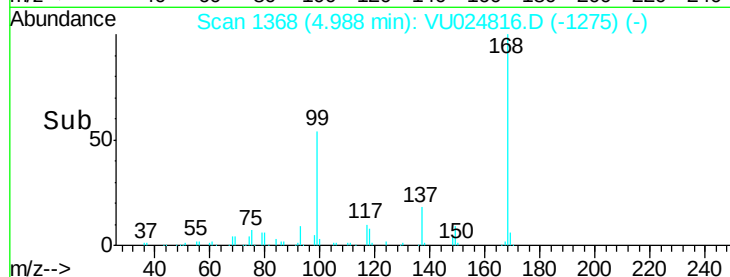
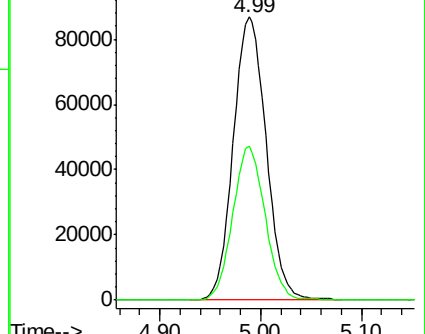
168 100

99 54.4 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024816.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU024816.D (-1275) (-)



#3

Chloromethane

Concen: 0.262 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024816.D

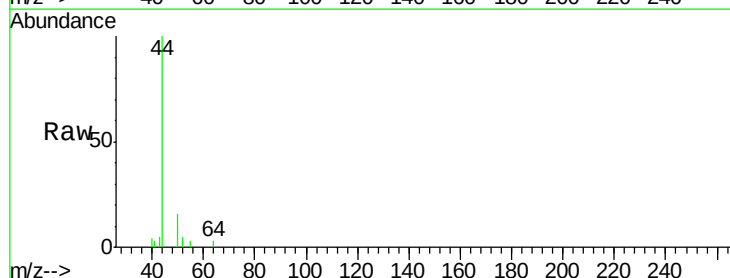
Acq: 21 Jun 2018 17:18

Tgt Ion: 50 Resp: 660

Ion Ratio Lower Upper

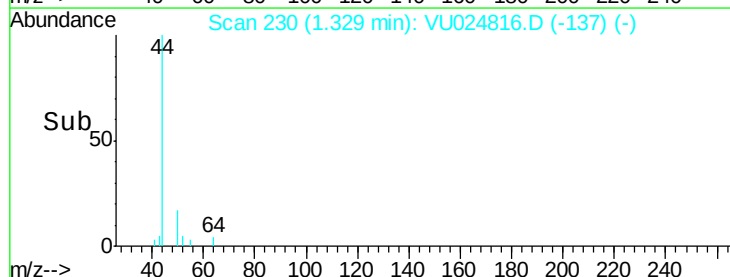
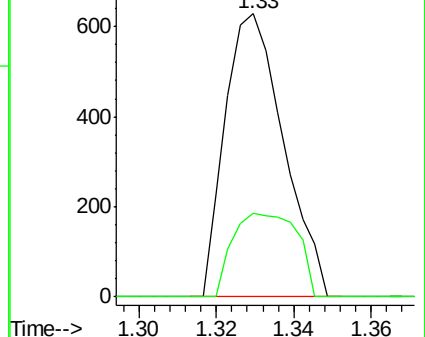
50 100

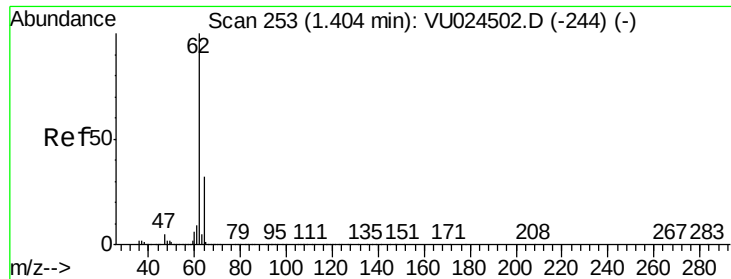
52 29.6 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024816.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU024816.D (-137) (-)





#4

Vinyl Chloride

Concen: 1080.462 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024816.D

Acq: 21 Jun 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

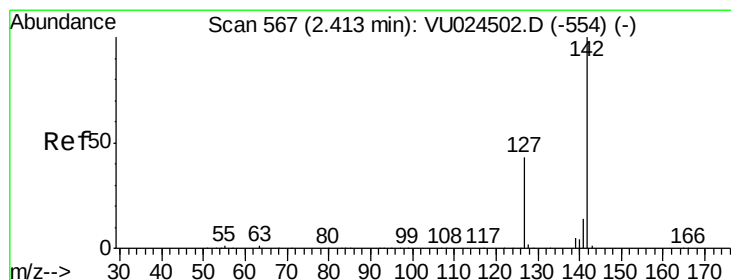
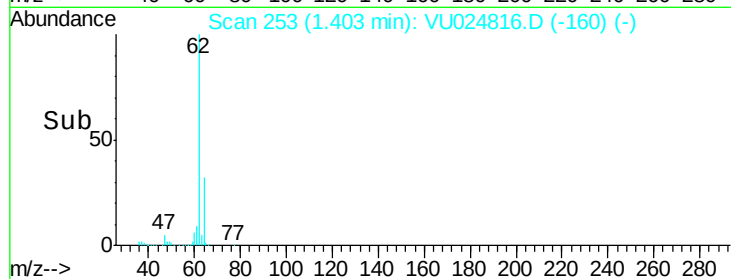
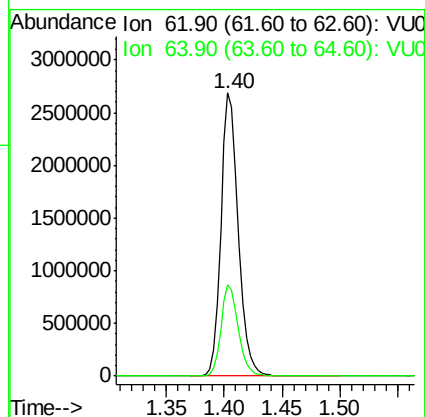
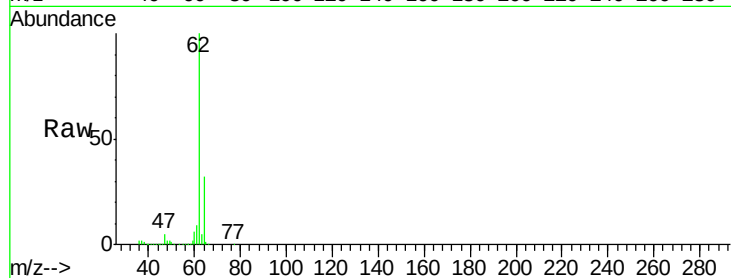
S32-0623

Tot Ion: 62 Resp: 2807180

Ion Ratio Lower Upper

62 100

64 32.1 24.8 37.2



#10

Methyl Iodide

Concen: 5.333 ug/l

RT: 2.42 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU024816.D

Acq: 21 Jun 2018 17:18

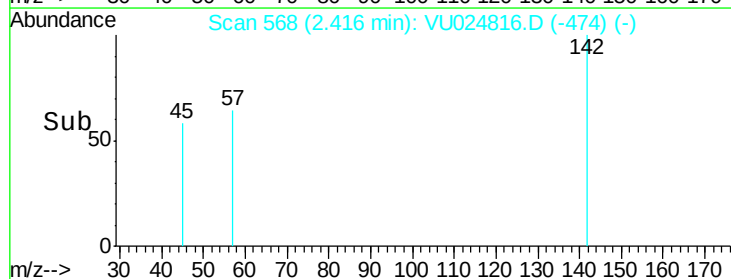
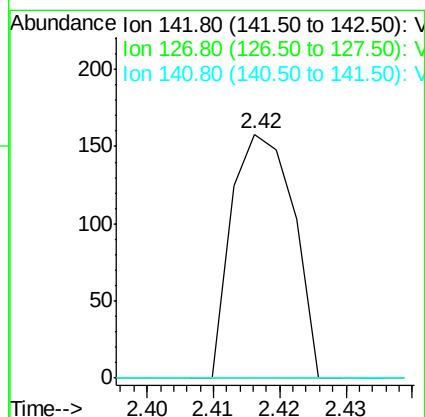
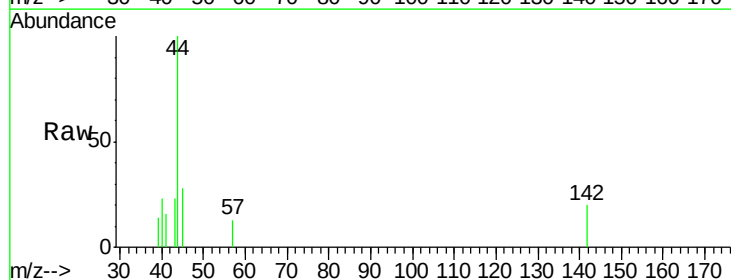
Tgt Ion: 142 Resp: 103

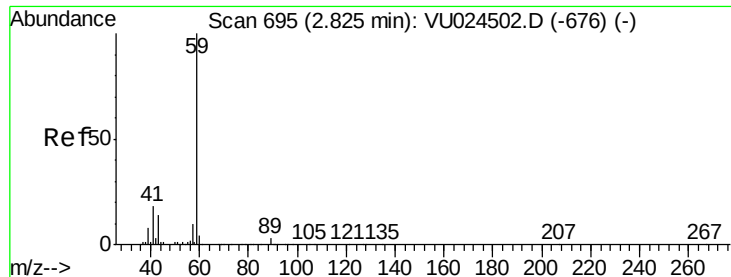
Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

141 0.0 11.7 17.5#

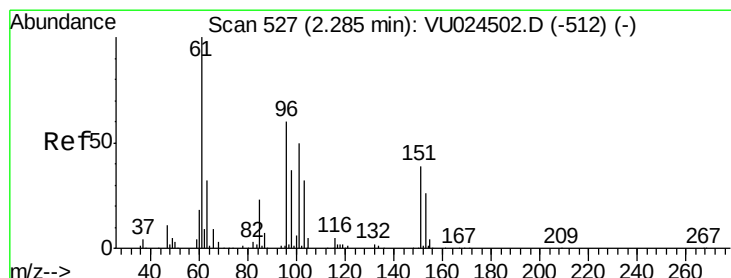
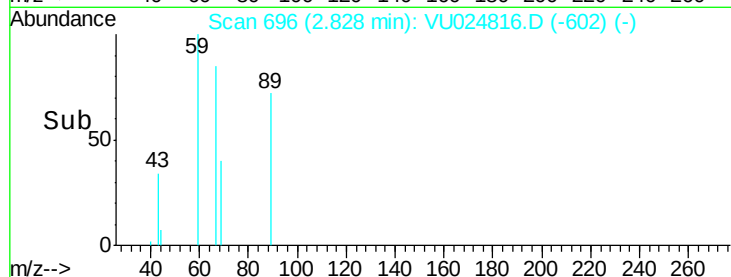
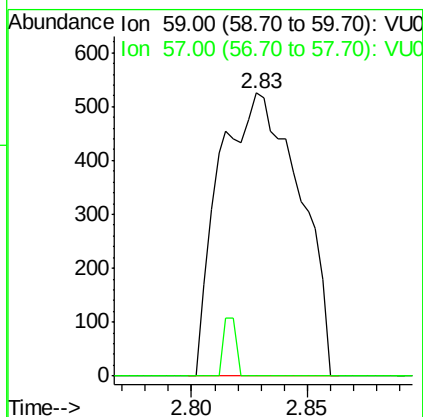
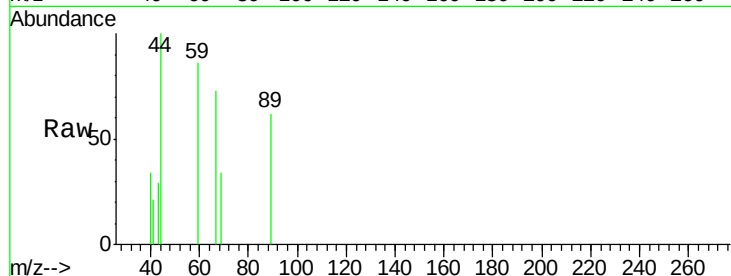




#11
Tert butyl alcohol
Concen: 1.612 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU024816.D
Acq: 21 Jun 2018 17:18

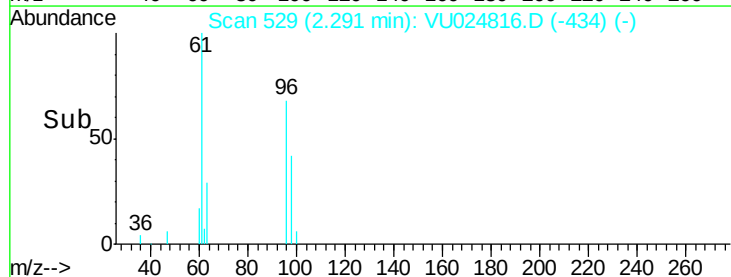
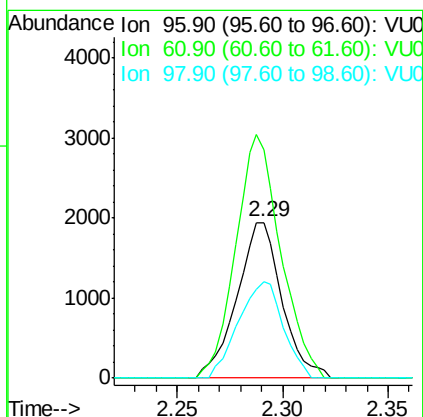
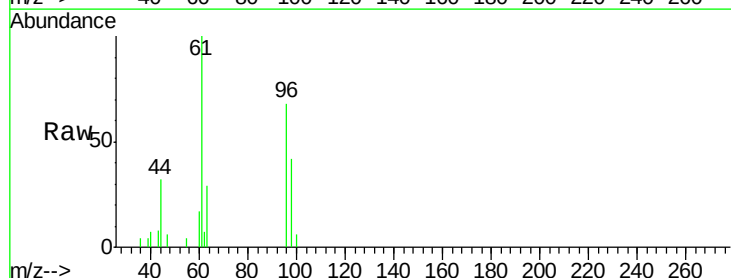
Instrument :
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S32-0623

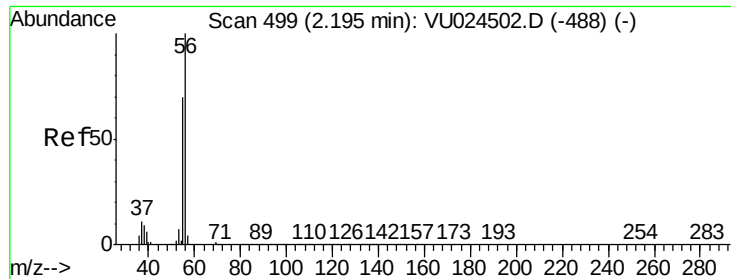
Tot Ion: 59 Resp: 1261
Ion Ratio Lower Upper
59 100
57 3.3 8.5 12.7#



#12
1,1-Dichloroethene
Concen: 1.283 ug/l
RT: 2.29 min Scan# 529
Delta R.T. 0.01 min
Lab File: VU024816.D
Acq: 21 Jun 2018 17:18

Tgt Ion: 96 Resp: 2878
Ion Ratio Lower Upper
96 100
61 146.9 141.7 212.5
98 62.0 51.6 77.4

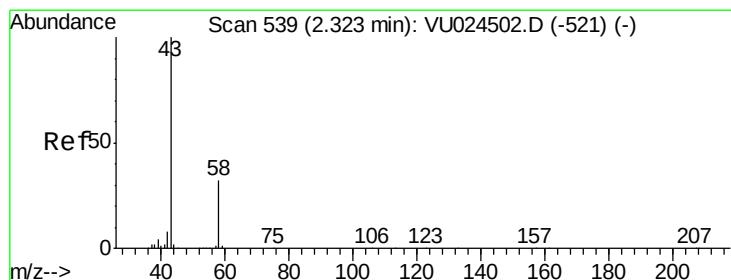
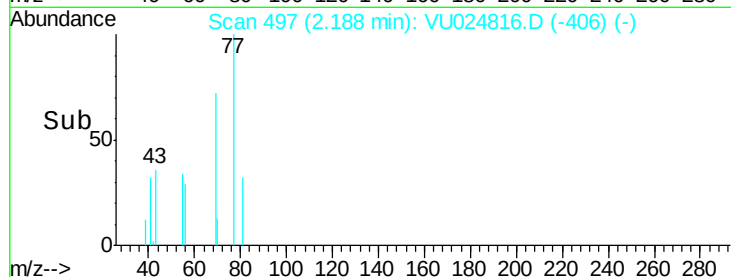
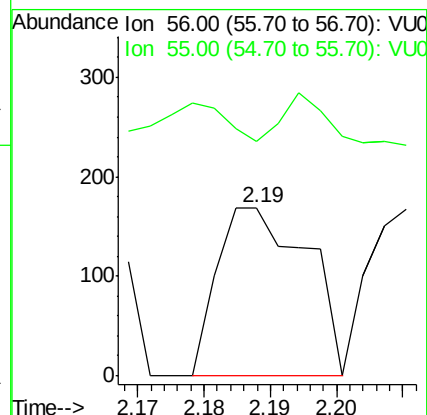
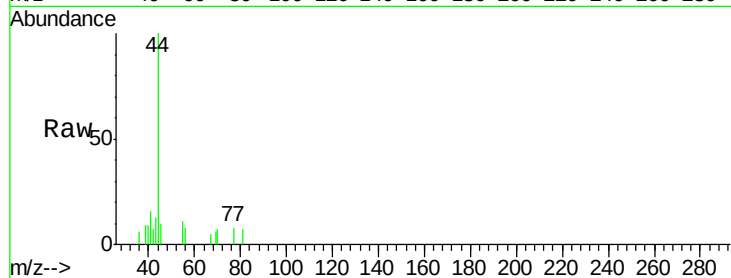




#13
Acrolein
Concen: 0.387 ug/l
RT: 2.19 min Scan# 497
Delta R.T. -0.01 min
Lab File: VU024816.D
Acq: 21 Jun 2018 17:18

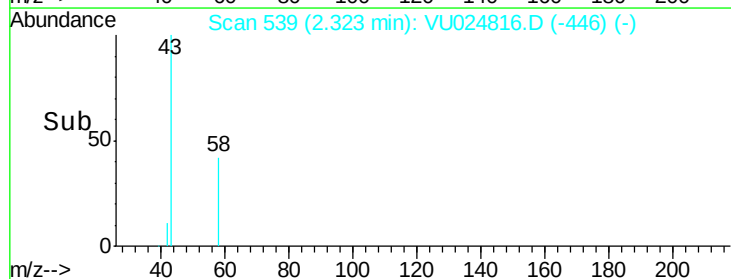
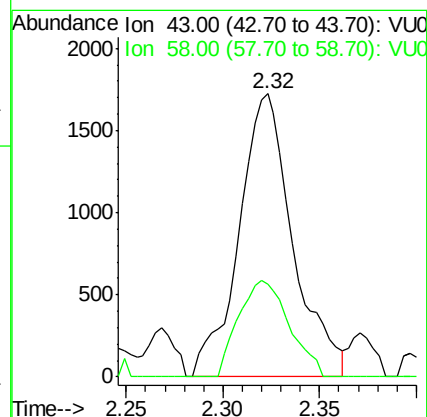
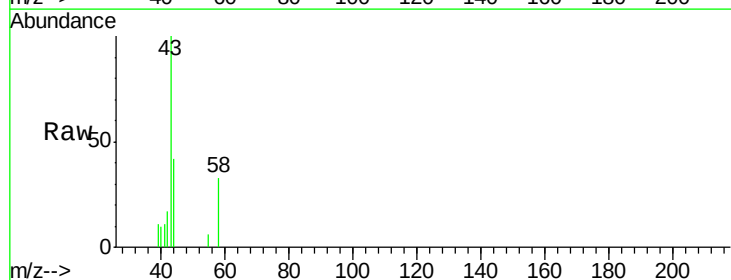
Instrument :
MSVOA_U
ClientSampleId :
S32-0623

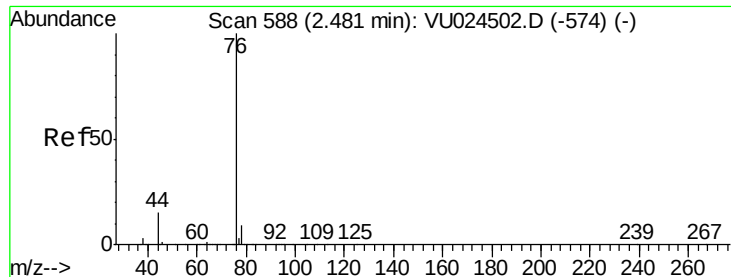
Tot Ion: 56 Resp: 159
Ion Ratio Lower Upper
56 100
55 0.0 58.4 87.6#



#16
Acetone
Concen: 1.935 ug/l
RT: 2.32 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU024816.D
Acq: 21 Jun 2018 17:18

Tgt Ion: 43 Resp: 3343
Ion Ratio Lower Upper
43 100
58 32.6 24.4 36.6





#17

Carbon Disulfide

Concen: 0.242 ug/l

RT: 2.48 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU024816.D

Acq: 21 Jun 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

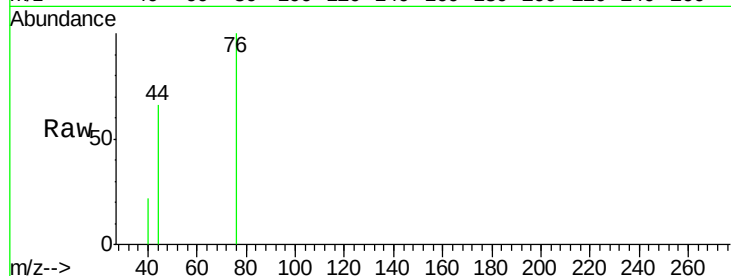
S32-0623

Tot Ion: 76 Resp: 1739

Ion Ratio Lower Upper

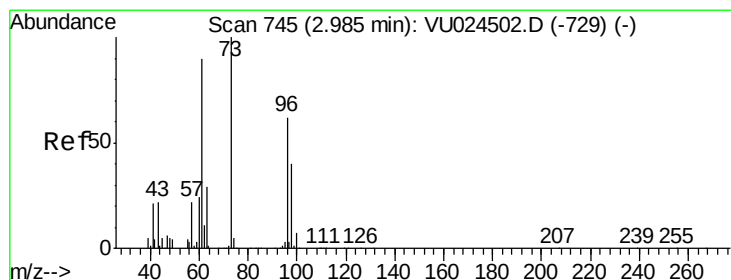
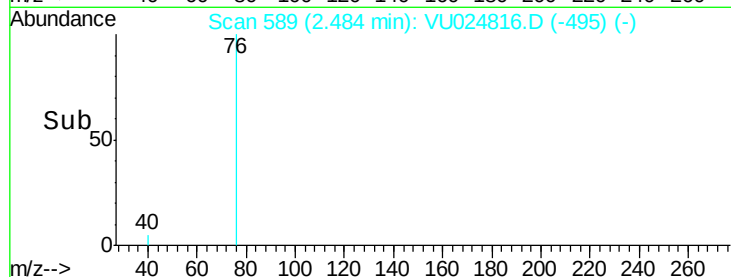
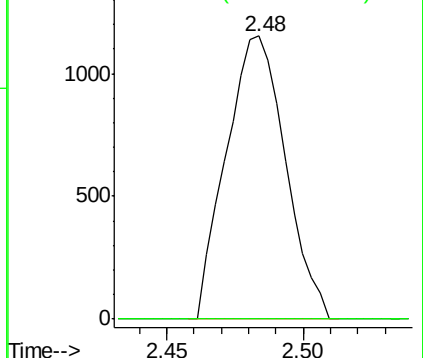
76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#21

trans-1,2-Dichloroethene

Concen: 27.128 ug/l

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU024816.D

Acq: 21 Jun 2018 17:18

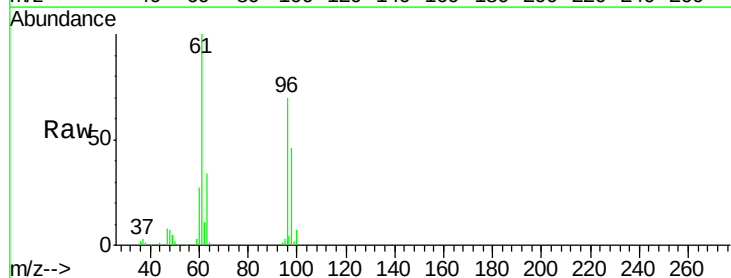
Tgt Ion: 96 Resp: 67024

Ion Ratio Lower Upper

96 100

61 143.0 119.4 179.0

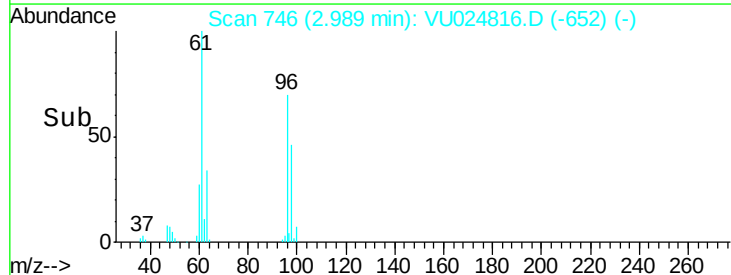
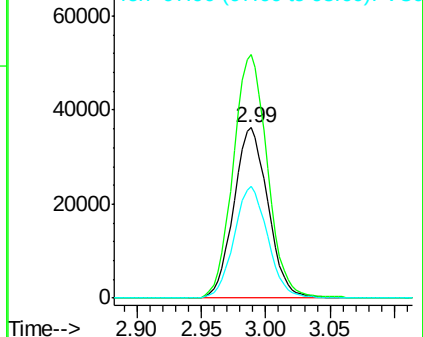
98 65.4 51.1 76.7

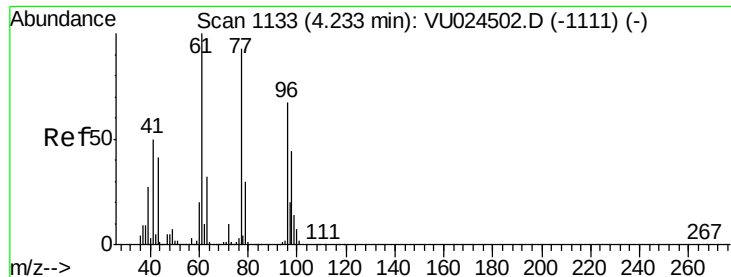


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#27

cis-1,2-Dichloroethene

Concen: 466.639 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU024816.D

Acq: 21 Jun 2018 17:18

Instrument :

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ClientSampleId :

S32-0623

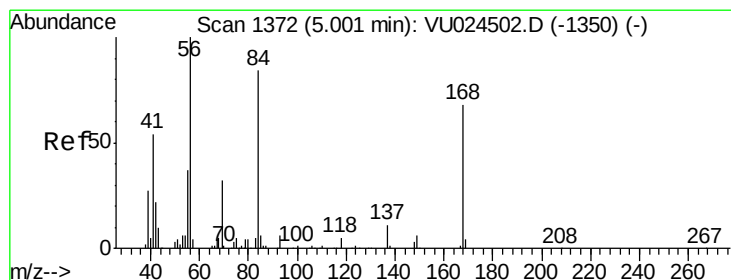
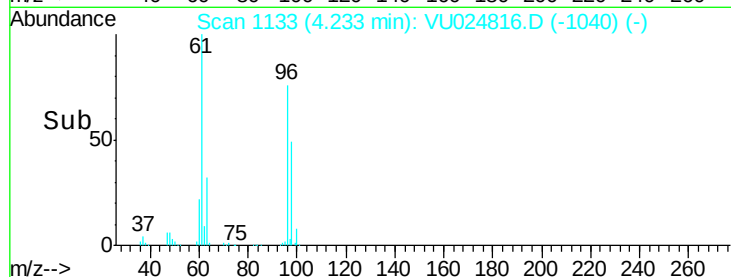
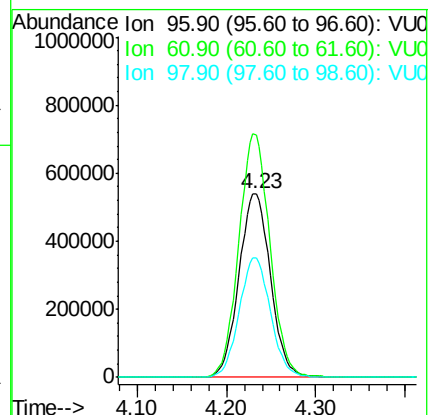
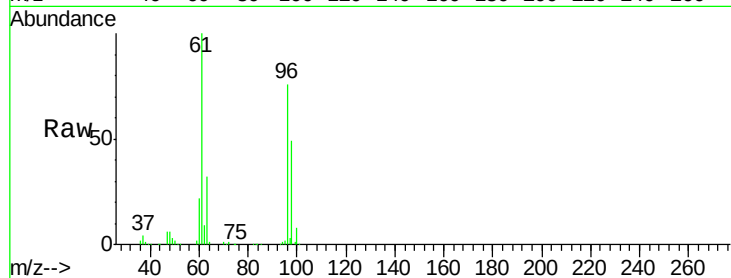
Tot Ion: 96 Resp: 1325471

Ion Ratio Lower Upper

96 100

61 131.1 0.0 306.6

98 64.8 0.0 128.8



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU024816.D

Acq: 21 Jun 2018 17:18

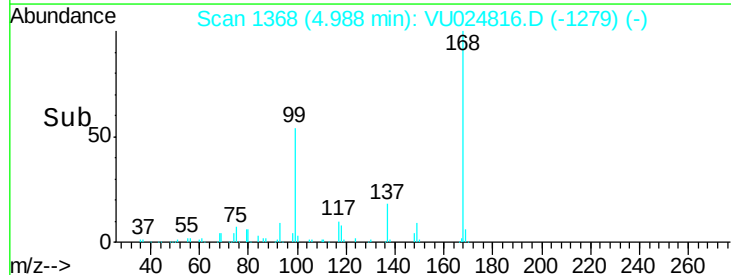
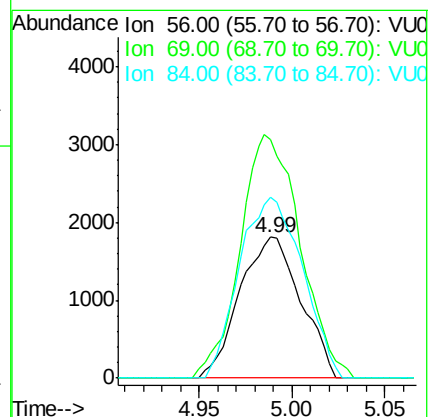
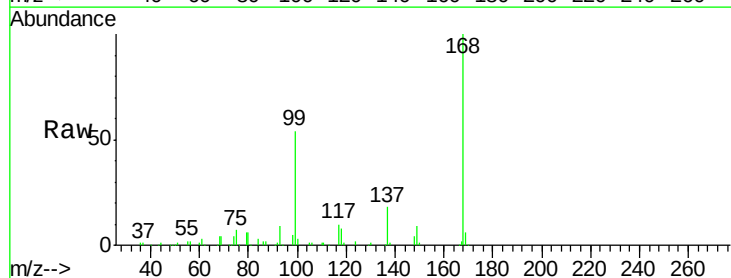
Tgt Ion: 56 Resp: 4130

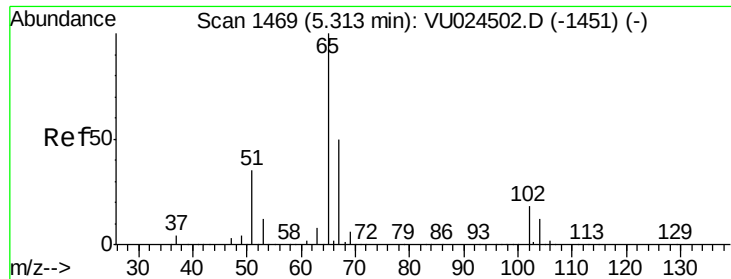
Ion Ratio Lower Upper

56 100

69 169.5 24.8 37.2#

84 128.8 65.2 97.8#

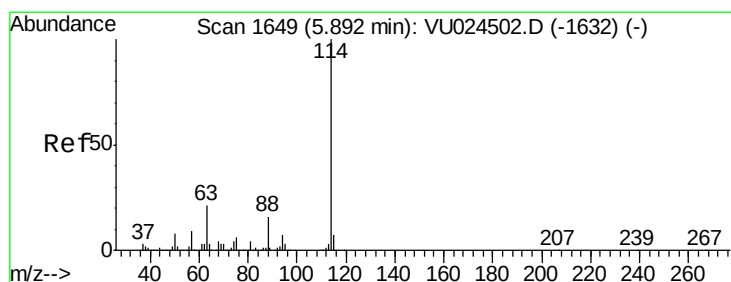
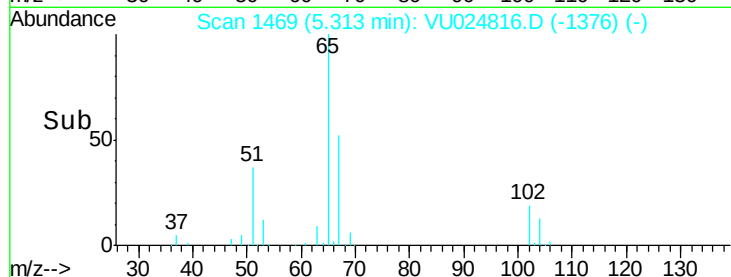
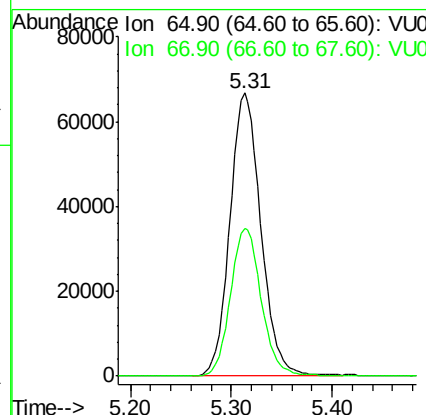
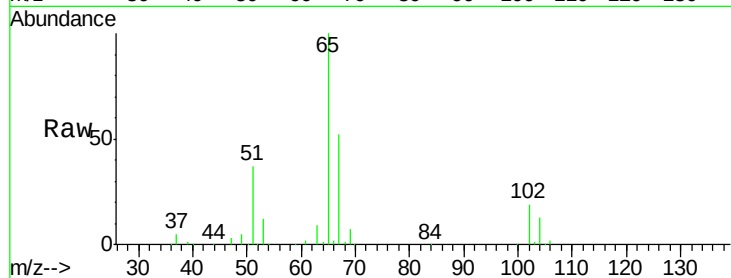




#33
 1,2-Dichloroethane-d4
 Concen: 44.483 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024816.D
 Acq: 21 Jun 2018 17:18

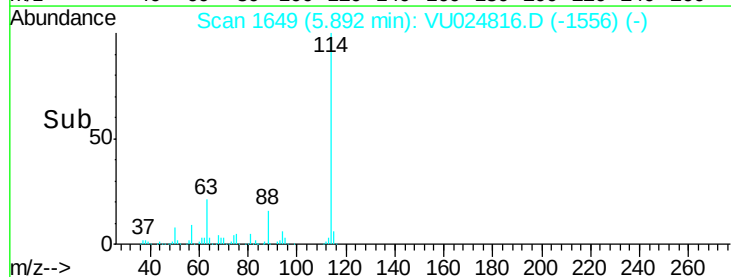
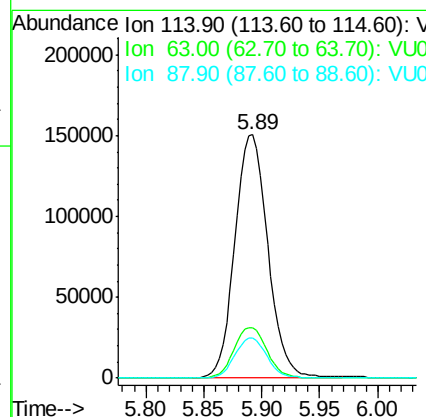
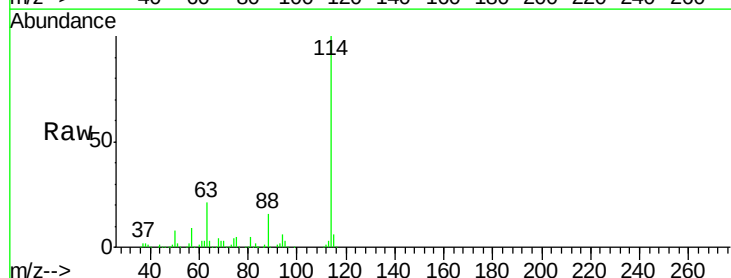
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 MSVOA_U
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 S32-0623

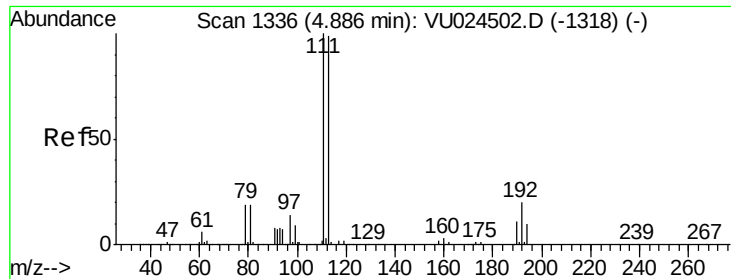
Tot Ion: 65 Resp: 143067
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024816.D
 Acq: 21 Jun 2018 17:18

Tgt Ion: 114 Resp: 297839
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 45.4
 88 16.4 0.0 31.0





#35

Dibromofluoromethane

Concen: 47.624 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024816.D

Acq: 21 Jun 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

S32-0623

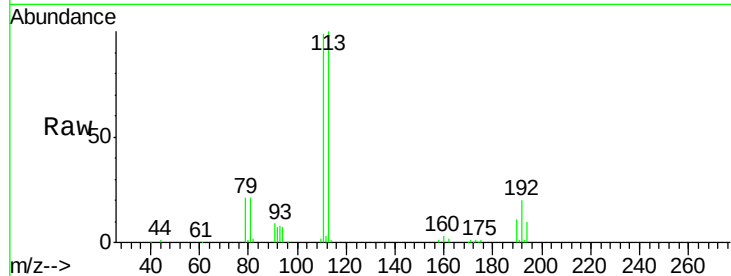
Tot Ion:113 Resp: 117718

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

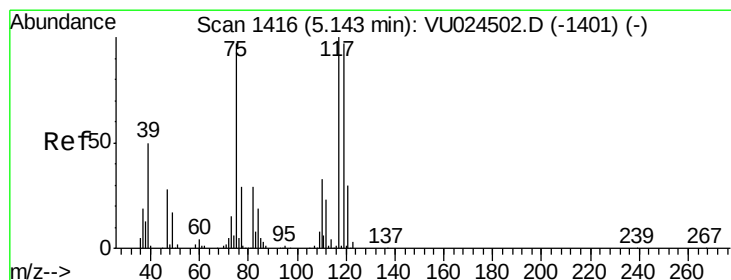
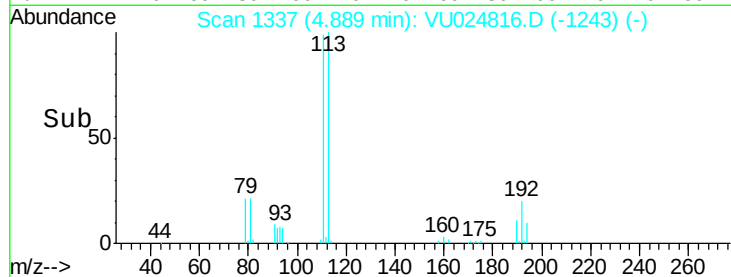
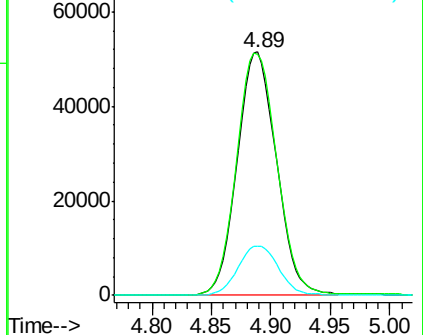
192 21.0 16.2 24.4



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: 4.001 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU024816.D

Acq: 21 Jun 2018 17:18

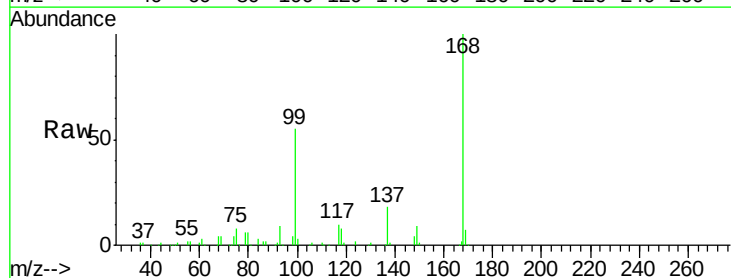
Tgt Ion: 75 Resp: 14003

Ion Ratio Lower Upper

75 100

110 8.9 17.0 50.9#

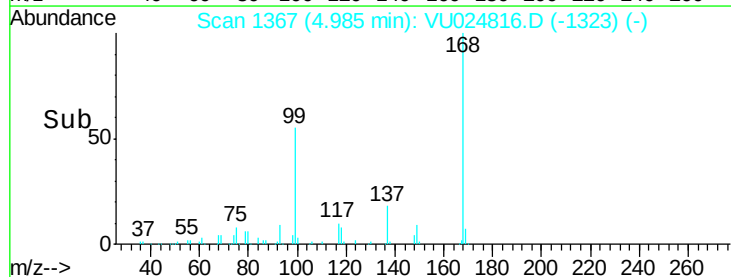
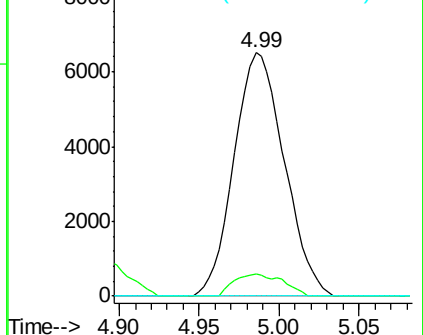
77 0.0 24.2 36.4#

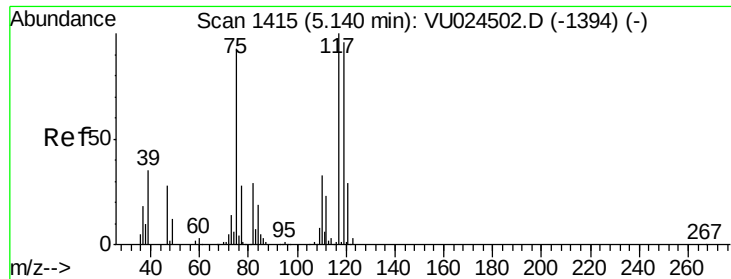


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 4.718 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024816.D

Acq: 21 Jun 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

S32-0623

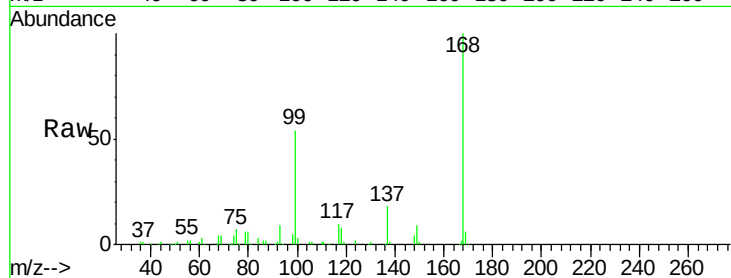
Tot Ion:117 Resp: 18157

Ion Ratio Lower Upper

117 100

119 5.2 76.1 114.1#

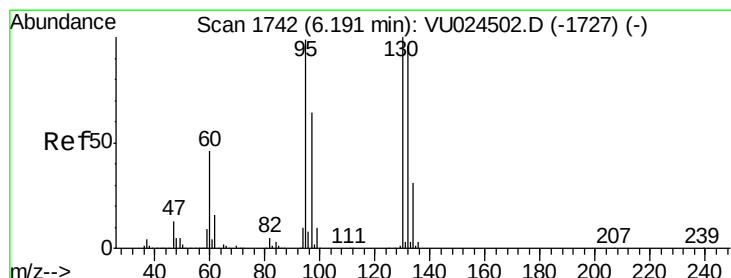
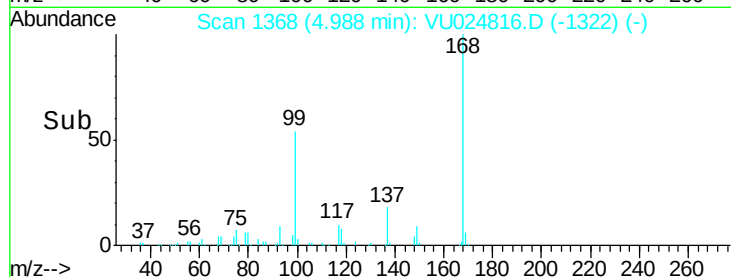
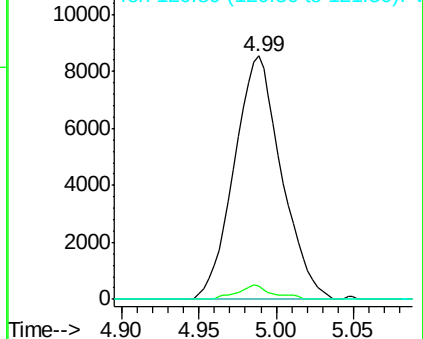
121 0.0 23.7 35.5#



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



#44

Trichloroethene

Concen: 0.567 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU024816.D

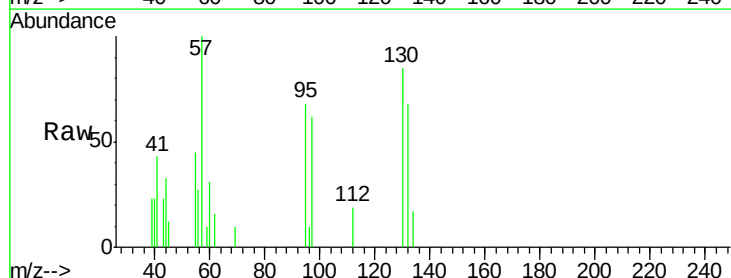
Acq: 21 Jun 2018 17:18

Tgt Ion:130 Resp: 1610

Ion Ratio Lower Upper

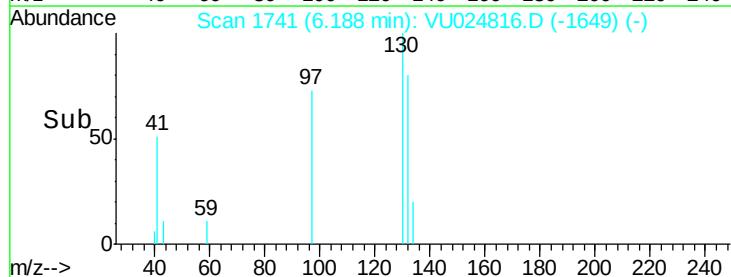
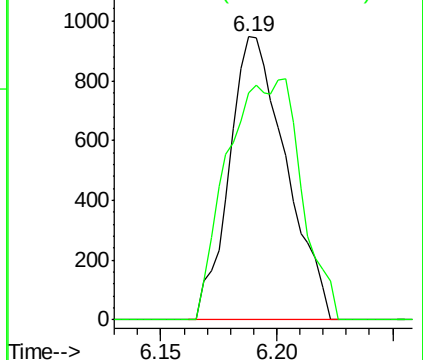
130 100

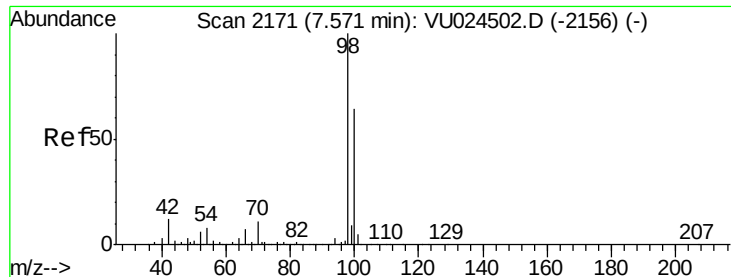
95 80.1 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 48.682 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024816.D

Acq: 21 Jun 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

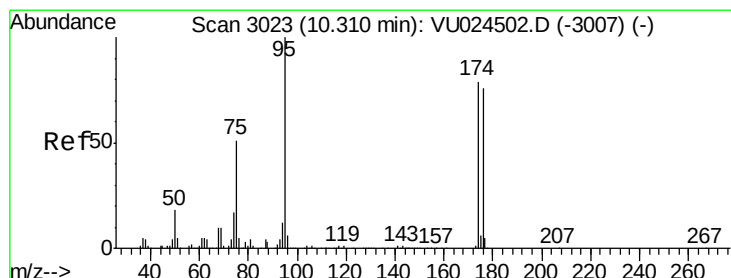
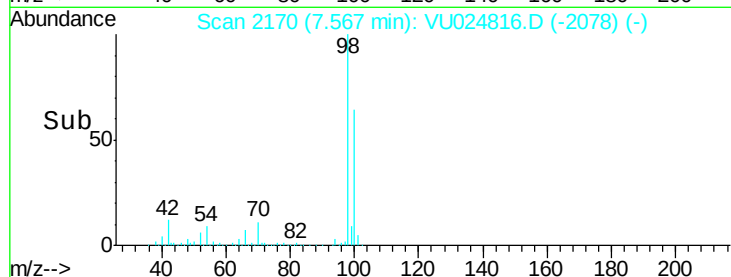
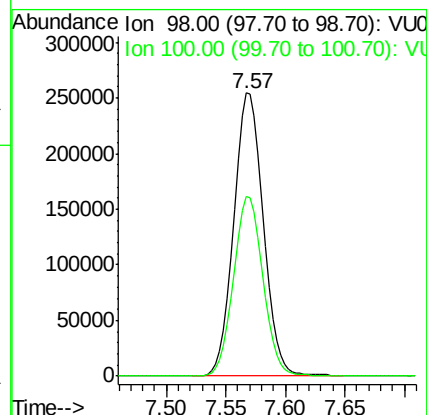
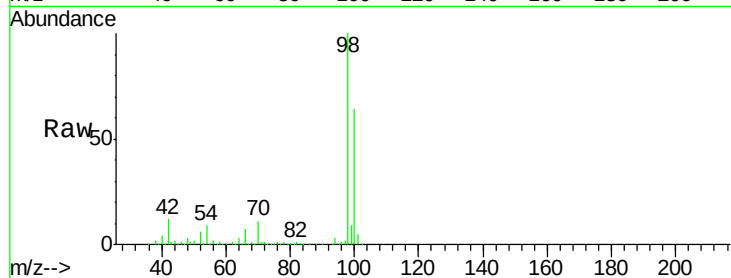
S32-0623

Tot Ion: 98 Resp: 438929

Ion Ratio Lower Upper

98 100

100 63.4 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 45.257 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024816.D

Acq: 21 Jun 2018 17:18

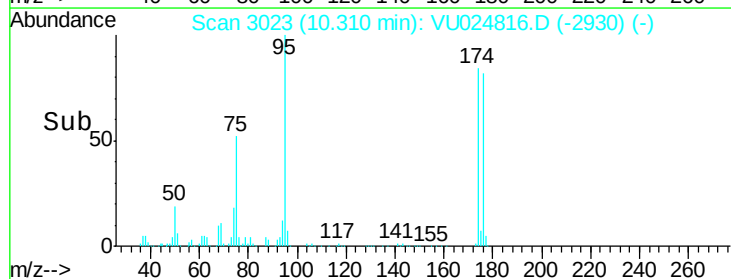
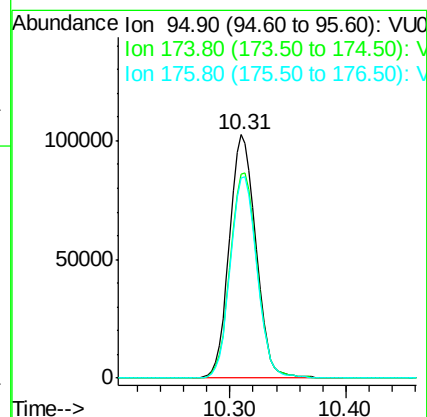
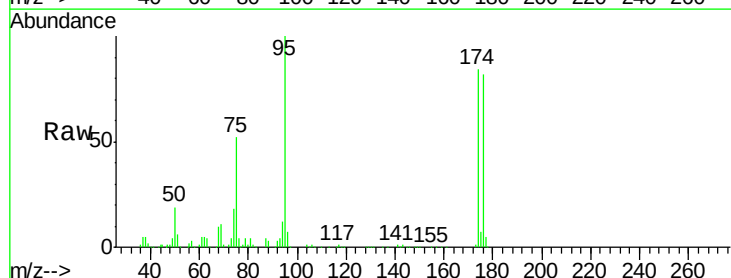
Tgt Ion: 95 Resp: 162012

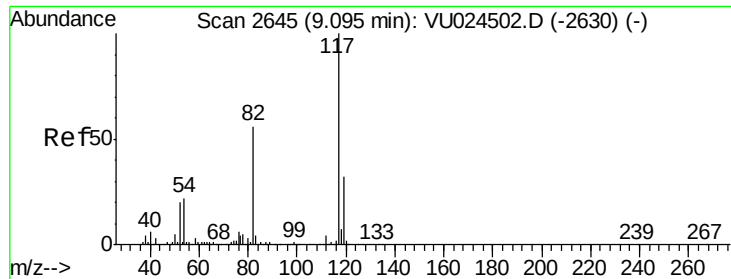
Ion Ratio Lower Upper

95 100

174 85.3 0.0 165.8

176 83.1 0.0 159.4

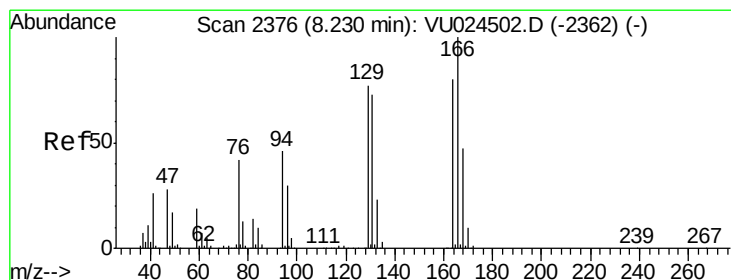
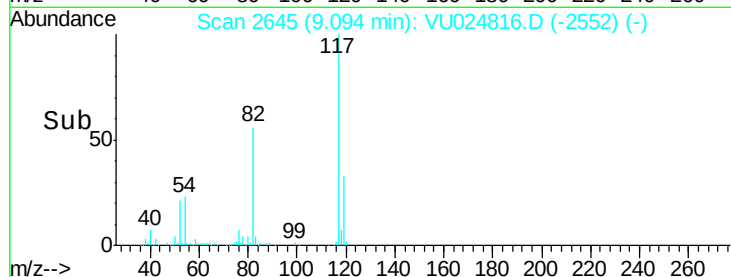
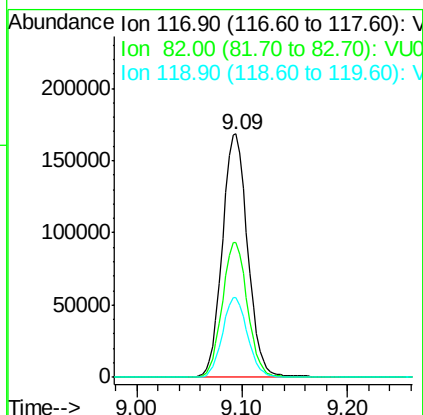
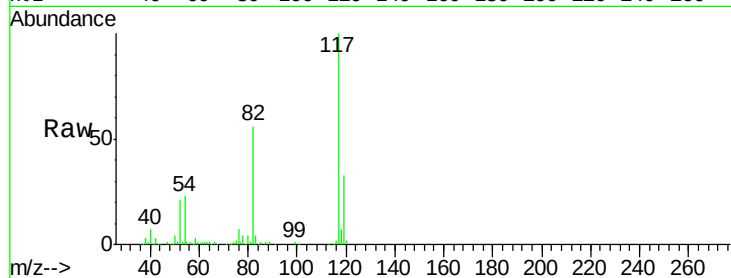




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024816.D
Acq: 21 Jun 2018 17:18

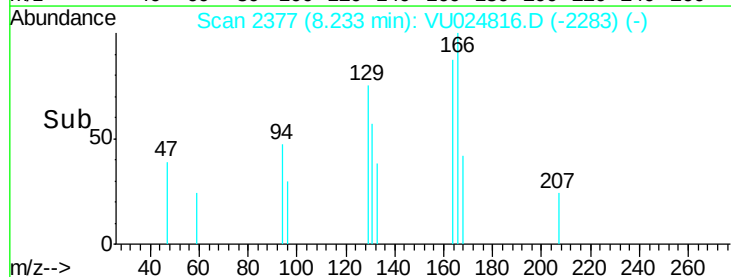
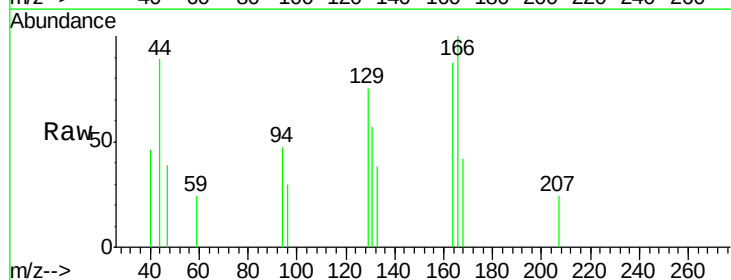
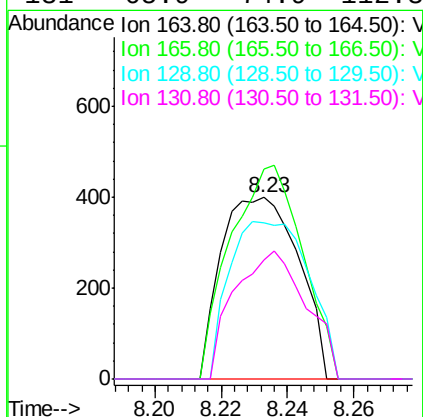
Instrument :
MSVOA_U
ClientSampleId :
S32-0623

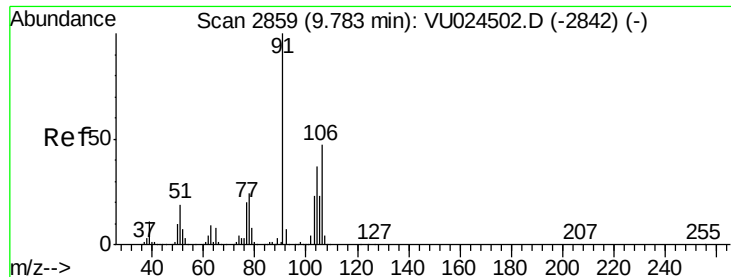
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.3	66.5
119	32.6	25.4	38.2



#64
Tetrachloroethene
Concen: 0.243 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU024816.D
Acq: 21 Jun 2018 17:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	115.5	101.7	152.5
129	86.5	76.9	115.3
131	65.9	74.9	112.3#

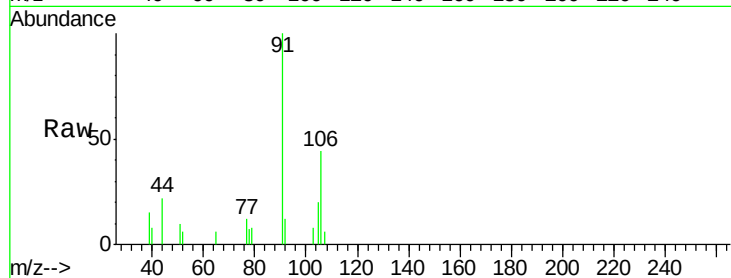




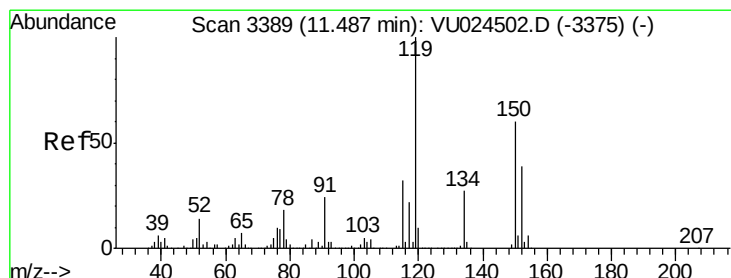
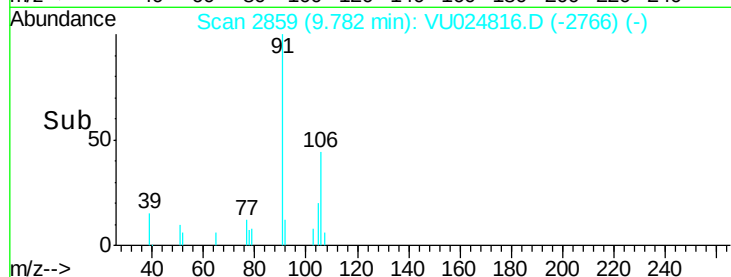
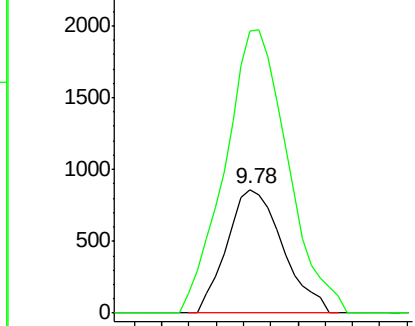
#69
o-Xylene
Concen: 0.257 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024816.D
Acq: 21 Jun 2018 17:18

Instrument :
MSVOA_U
ClientSampleId :
S32-0623

Tot Ion:106 Resp: 1228
Ion Ratio Lower Upper
106 100
91 256.0 110.7 331.9

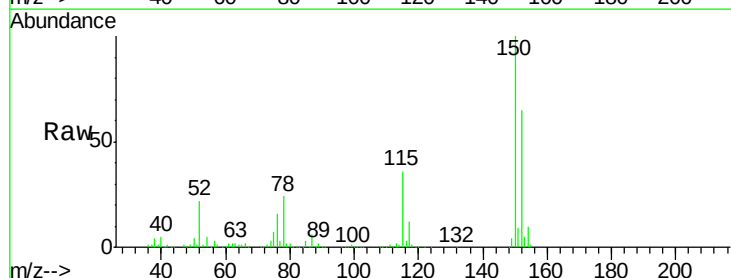


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

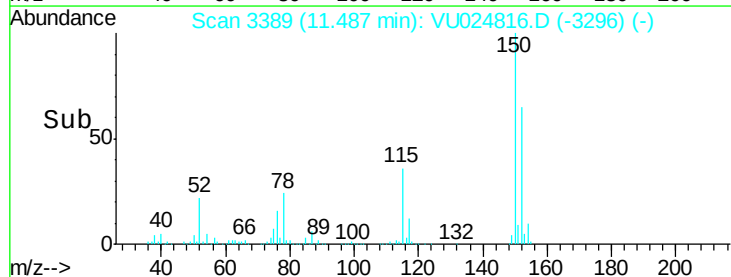
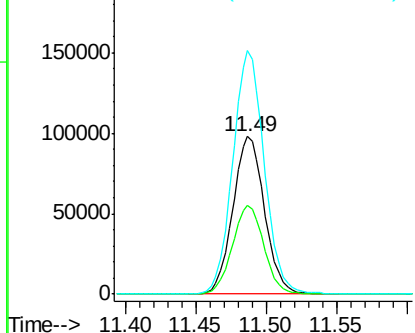


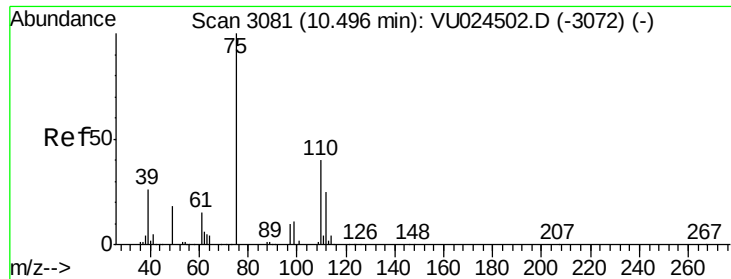
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024816.D
Acq: 21 Jun 2018 17:18

Tgt Ion:152 Resp: 153517
Ion Ratio Lower Upper
152 100
115 56.1 43.0 129.0
150 154.1 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: 24.438 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024816.D

Acq: 21 Jun 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

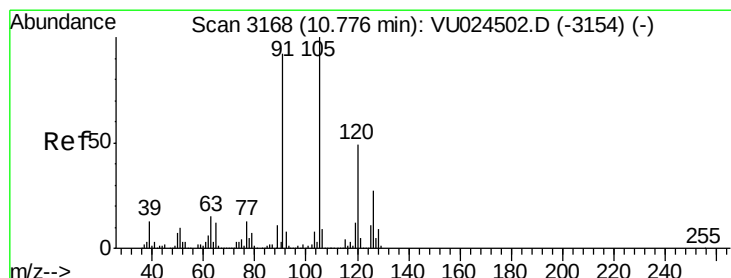
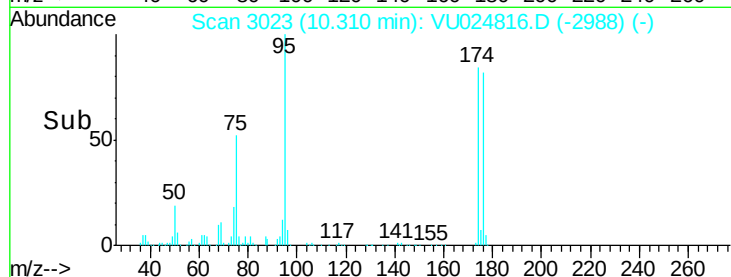
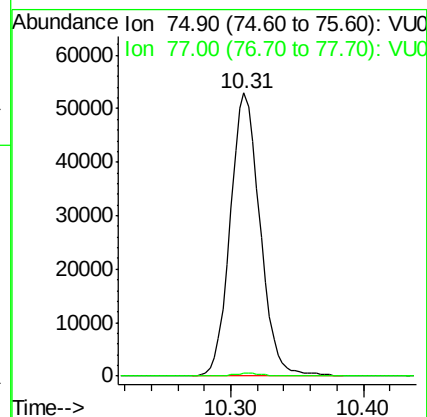
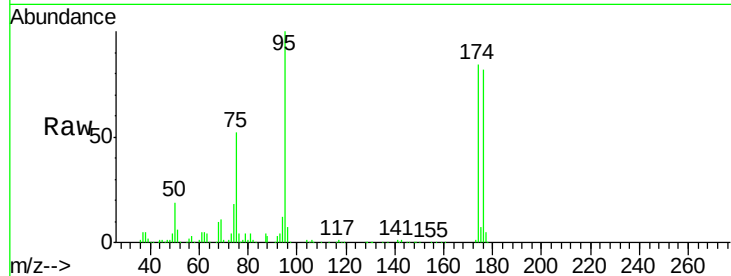
S32-0623

Tot Ion: 75 Resp: 82599

Ion Ratio Lower Upper

75 100

77 1.0 20.9 62.7#



#80

1,3,5-Trimethylbenzene

Concen: 0.221 ug/l

RT: 10.98 min Scan# 3231

Delta R.T. 0.20 min

Lab File: VU024816.D

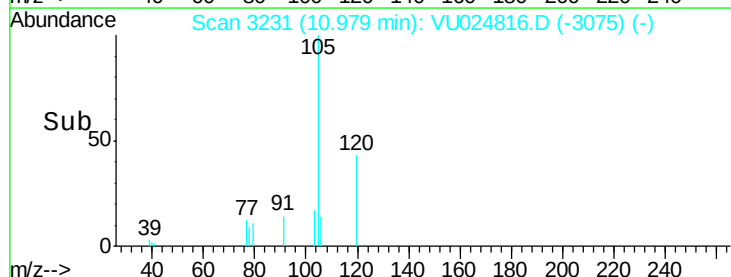
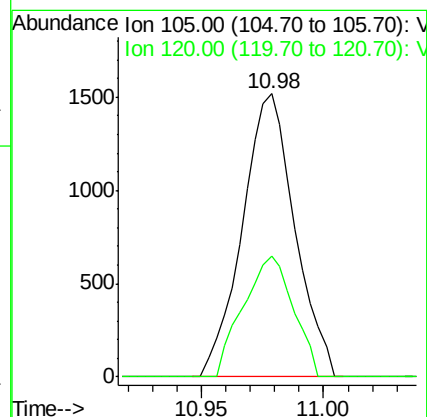
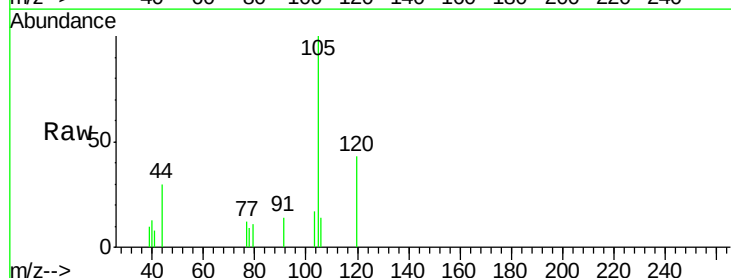
Acq: 21 Jun 2018 17:18

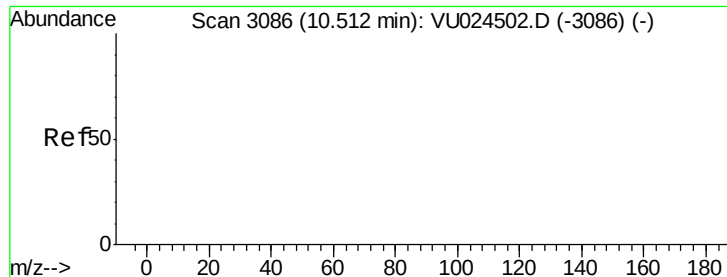
Tgt Ion: 105 Resp: 2259

Ion Ratio Lower Upper

105 100

120 40.7 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 56.561 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024816.D

Acq: 21 Jun 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

S32-0623

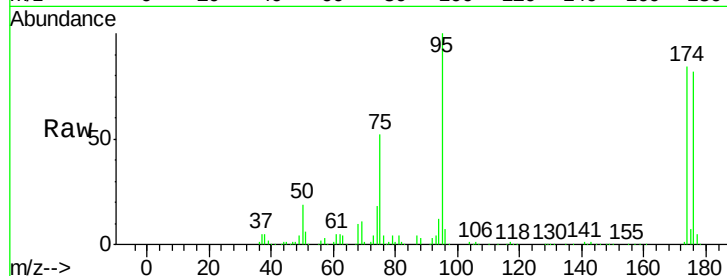
Tot Ion: 75 Resp: 82599

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

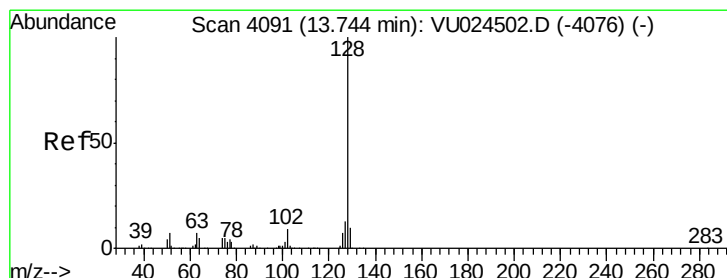
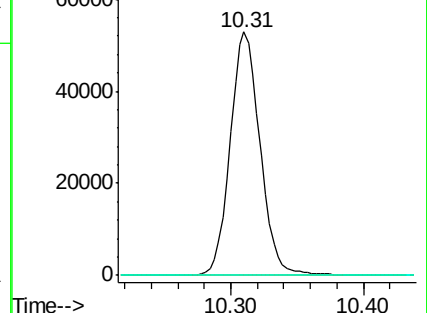
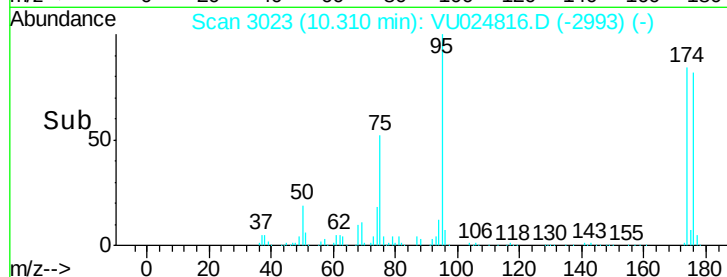
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024816.D (-2993) (-)

Ion 53.00 (52.70 to 53.70): VU024816.D (-2993) (-)

Ion 88.90 (88.60 to 89.60): VU024816.D (-2993) (-)



#95

Naphthalene

Concen: 0.692 ug/l

RT: 13.76 min Scan# 4096

Delta R.T. 0.02 min

Lab File: VU024816.D

Acq: 21 Jun 2018 17:18

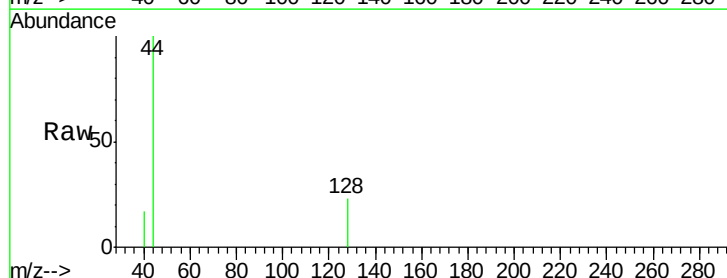
Tgt Ion: 128 Resp: 148

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VU024816.D (-3997) (-)

Ion 127.00 (126.70 to 127.70): VU024816.D (-3997) (-)

Ion 129.00 (128.70 to 129.70): VU024816.D (-3997) (-)

