

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062118\
 Data File : VU024814.D
 Acq On : 21 Jun 2018 16:29
 Operator : MD/SY
 Sample : J3539-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S39-0183

Quant Time: Jun 22 03:51:58 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	189430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	289588	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	269220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	145081	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	134389	43.46	ug/l	0.00
Spiked Amount			Recovery	=	86.92%	
35) Dibromofluoromethane	4.89	113	111798	46.52	ug/l	0.00
Spiked Amount			Recovery	=	93.04%	
50) Toluene-d8	7.57	98	421229	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	
62) 4-Bromofluorobenzene	10.31	95	154430	44.37	ug/l	0.00
Spiked Amount			Recovery	=	88.74%	

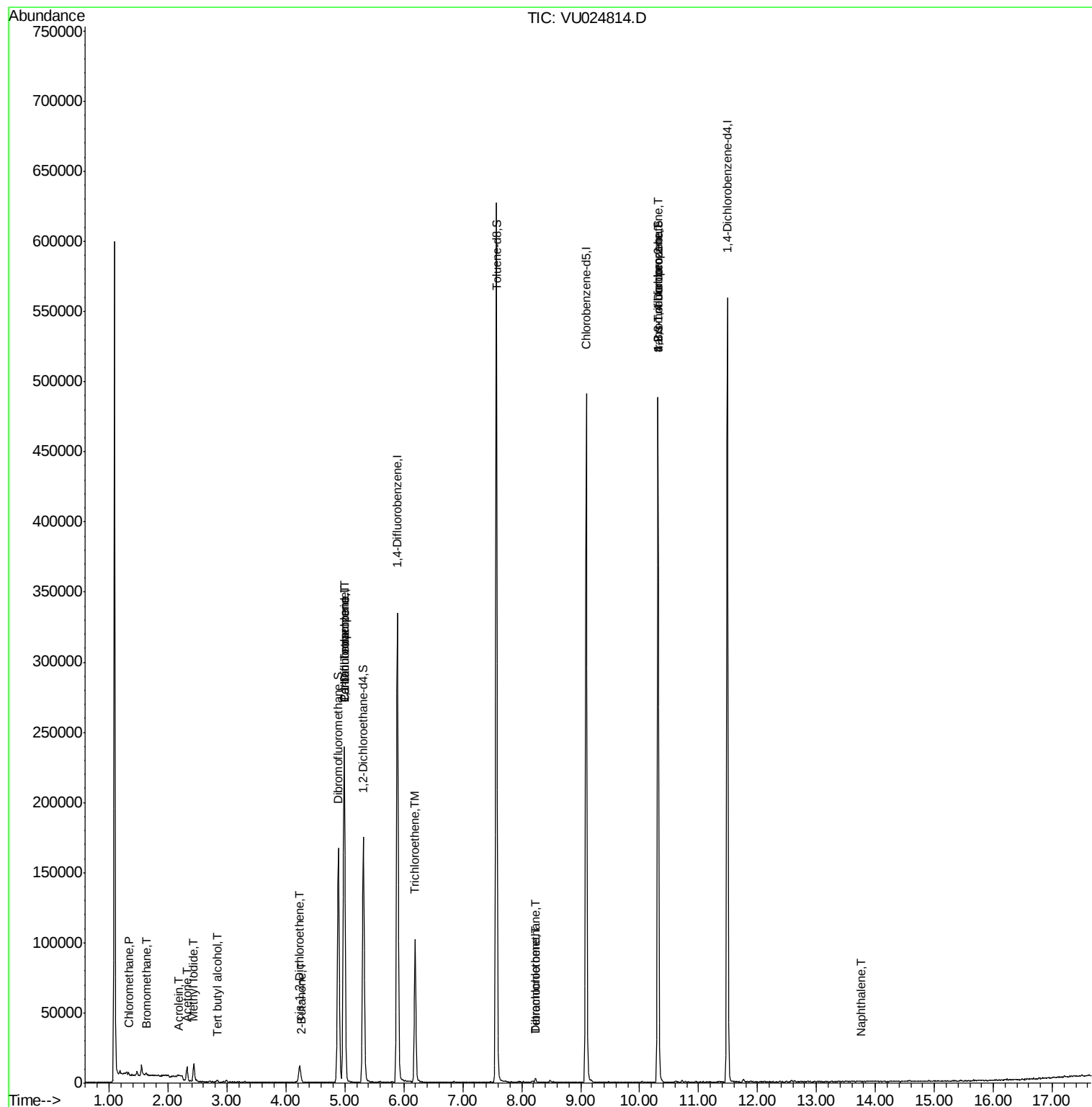
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1222	0.504	ug/l	91
5) Bromomethane	1.63	94	310	0.257	ug/l	83
6) Chloroethane	1.70	64	40	Below Cal	#	43
10) Methyl Iodide	2.42	142	137	5.350	ug/l #	40
11) Tert butyl alcohol	2.82	59	334	0.444	ug/l #	72
13) Acrolein	2.19	56	208	0.527	ug/l #	64
16) Acetone	2.32	43	10037	6.041	ug/l	100
25) 2-Butanone	4.27	43	463	0.207	ug/l #	51
27) cis-1,2-Dichloroethene	4.23	96	6972	2.553	ug/l	88
31) Cyclohexane	4.98	56	3866	Below Cal	#	8
36) 1,1-Dichloropropene	4.99	75	13091	3.847	ug/l #	51
38) Carbon Tetrachloride	4.99	117	18085	4.833	ug/l #	16
44) Trichloroethene	6.19	130	36102	13.082	ug/l	93
60) Dibromochloromethane	8.23	129	697	0.220	ug/l #	11
64) Tetrachloroethene	8.23	164	732	0.286	ug/l	87
76) 1,2,3-Trichloropropane	10.31	75	80211	25.112	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	80211	58.119	ug/l #	100
95) Naphthalene	13.75	128	65	0.685	ug/l #	69

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024814.D

Acq: 21 Jun 2018 16:29

Instrument :

MSVOA_U

ClientSampleId :

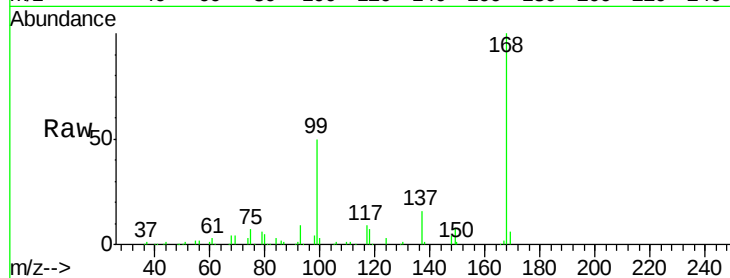
S39-0183

Tot Ion:168 Resp: 189430

Ion Ratio Lower Upper

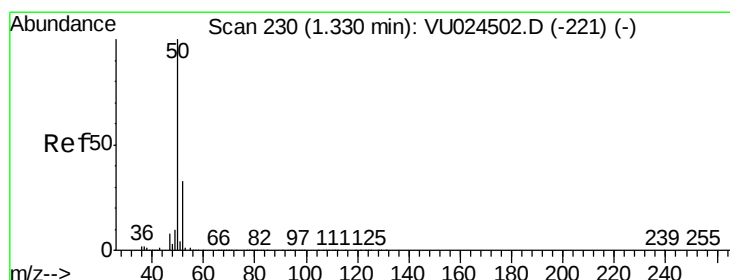
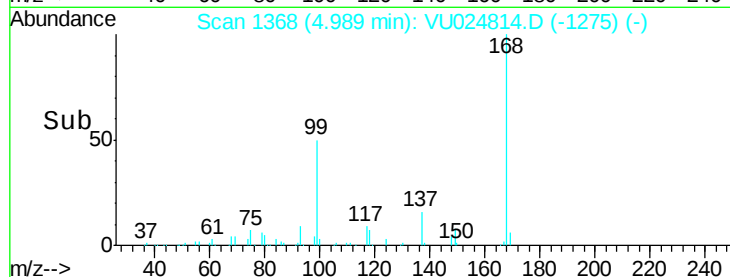
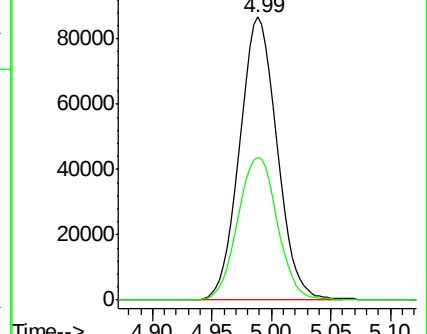
168 100

99 50.2 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024814.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU024814.D (-1275) (-)



#3

Chloromethane

Concen: 0.504 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024814.D

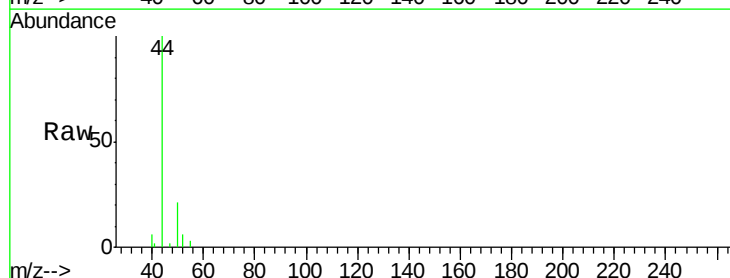
Acq: 21 Jun 2018 16:29

Tgt Ion: 50 Resp: 1222

Ion Ratio Lower Upper

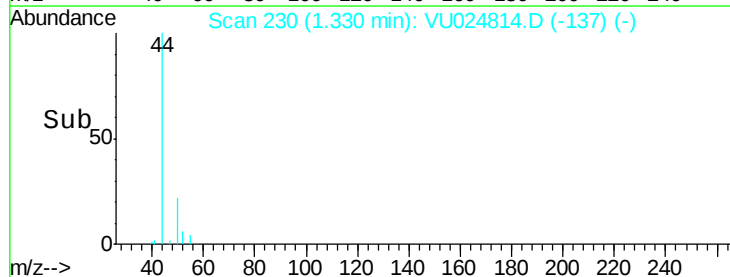
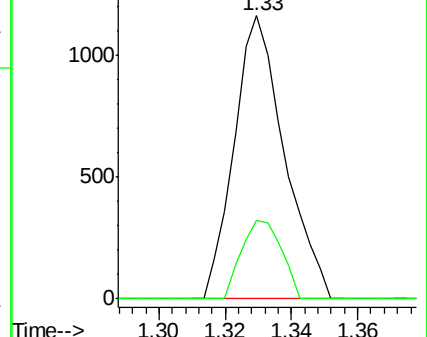
50 100

52 27.8 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024814.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU024814.D (-137) (-)





#5

Bromomethane

Concen: 0.257 ug/l

RT: 1.63 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU024814.D

Acq: 21 Jun 2018 16:29

Instrument :

MSVOA_U

ClientSampleId :

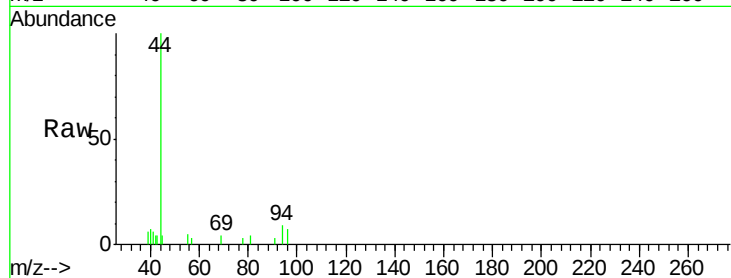
S39-0183

Tot Ion: 94 Resp: 310

Ion Ratio Lower Upper

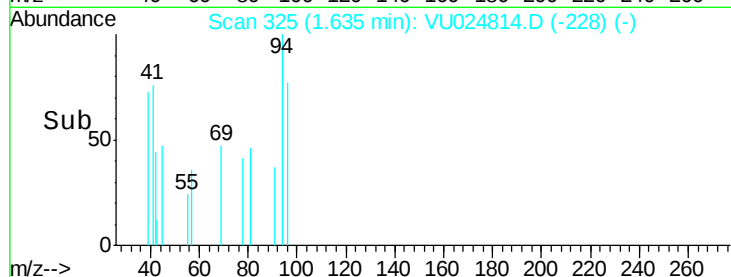
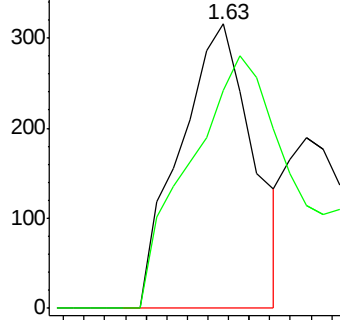
94 100

96 76.6 74.5 111.7

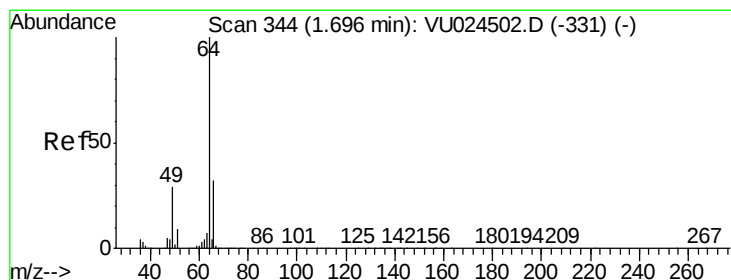


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024814.D

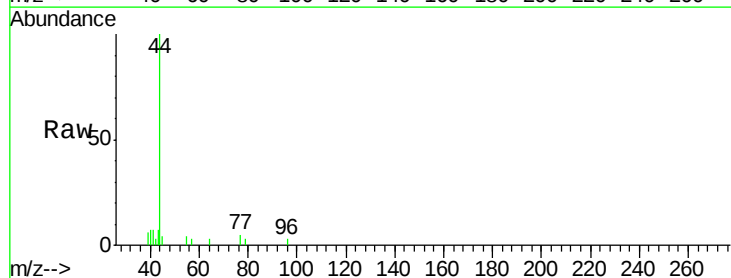
Acq: 21 Jun 2018 16:29

Tgt Ion: 64 Resp: 40

Ion Ratio Lower Upper

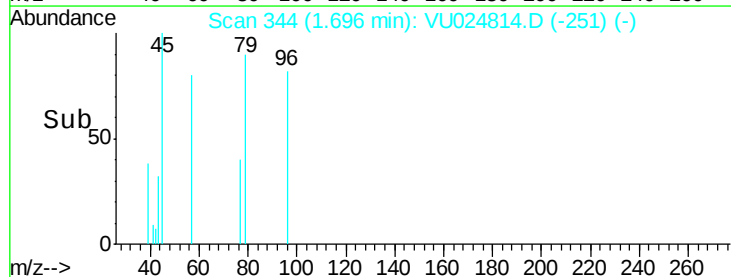
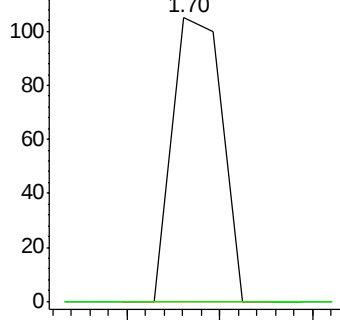
64 100

66 0.0 25.5 38.3#

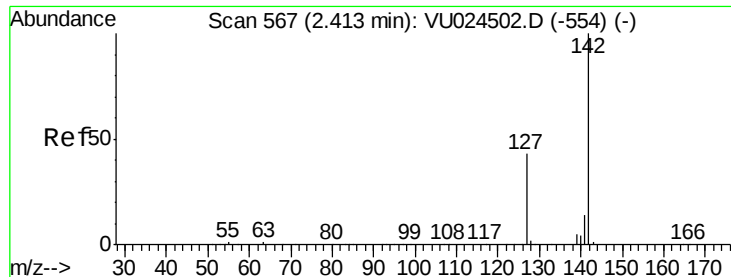


Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



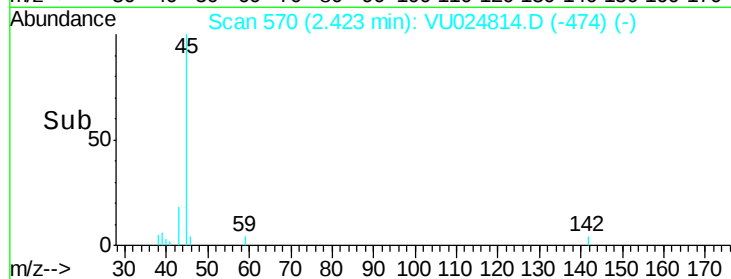
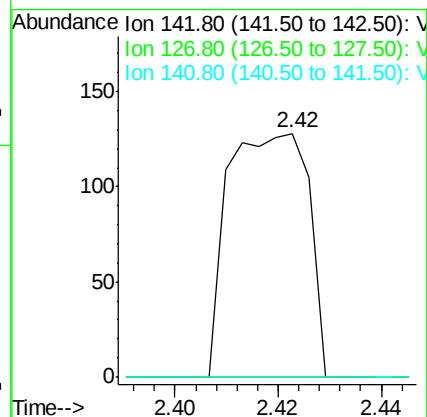
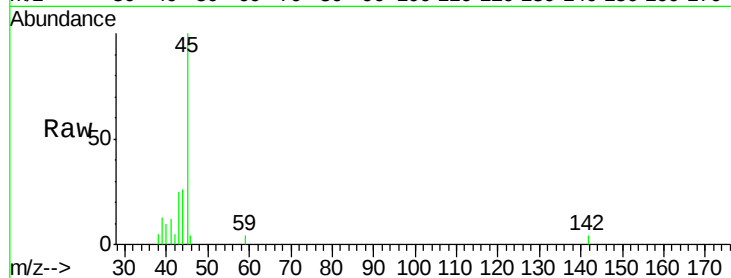
Time-->



#10
Methvl Iodide
Concen: 5.350 ug/l
RT: 2.42 min Scan# 570
Delta R.T. 0.01 min
Lab File: VU024814.D
Acq: 21 Jun 2018 16:29

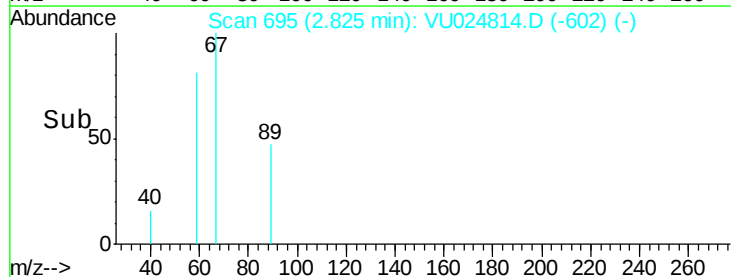
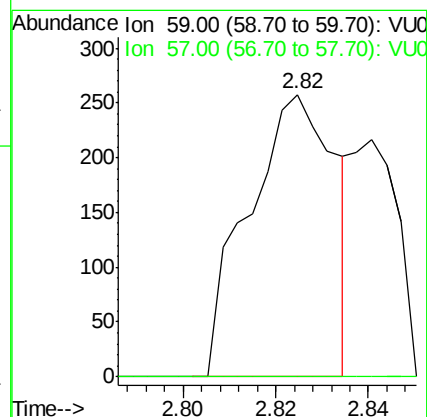
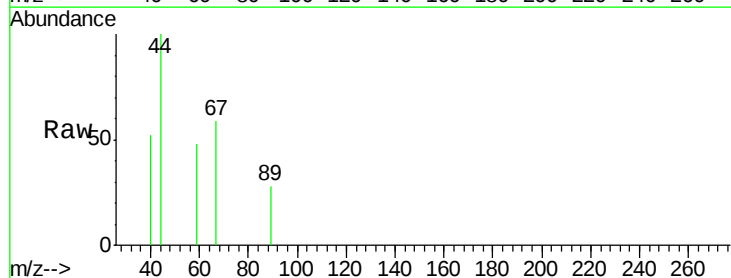
Instrument :
MSVOA_U
ClientSampleId :
S39-0183

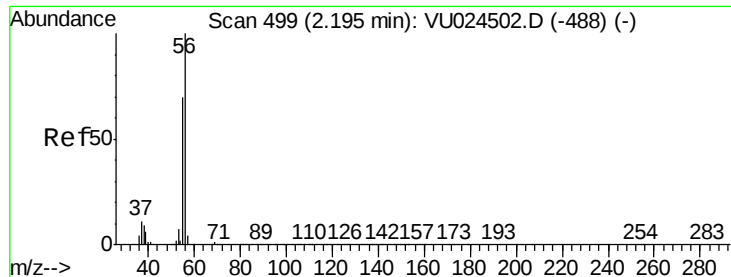
Tot Ion:142 Resp: 137
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 0.444 ug/l
RT: 2.82 min Scan# 695
Delta R.T. -0.00 min
Lab File: VU024814.D
Acq: 21 Jun 2018 16:29

Tgt Ion: 59 Resp: 334
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.527 ug/l

RT: 2.19 min Scan# 498

Delta R.T. -0.00 min

Lab File: VU024814.D

Acq: 21 Jun 2018 16:29

Instrument :

MSVOA_U

ClientSampleId :

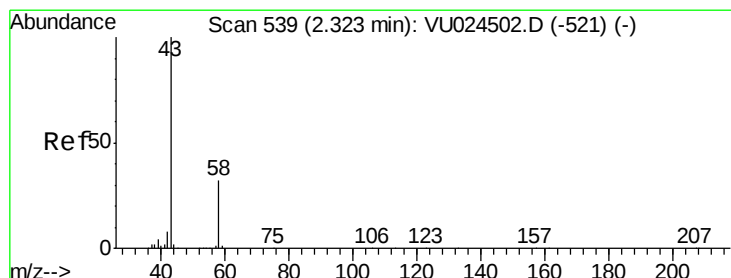
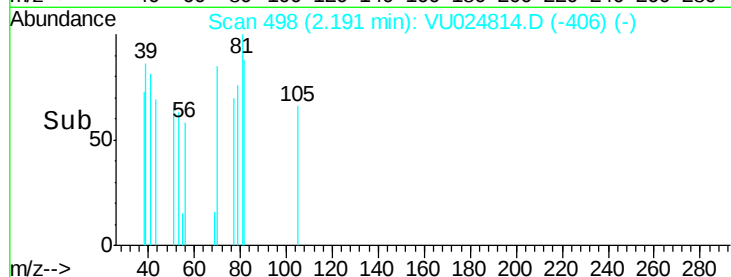
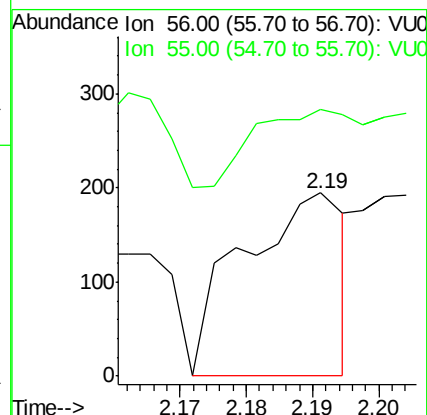
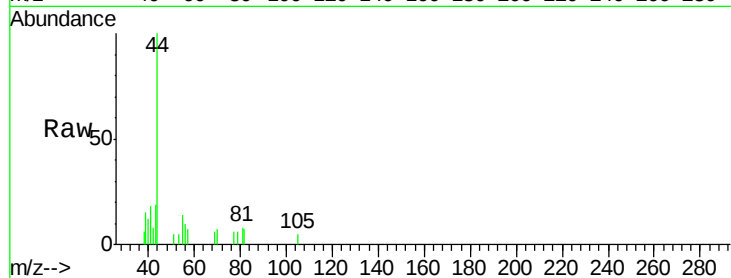
S39-0183

Tot Ion: 56 Resp: 208

Ion Ratio Lower Upper

56 100

55 42.8 58.4 87.6#



#16

Acetone

Concen: 6.041 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024814.D

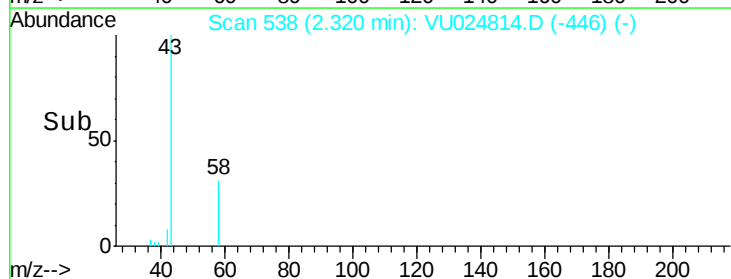
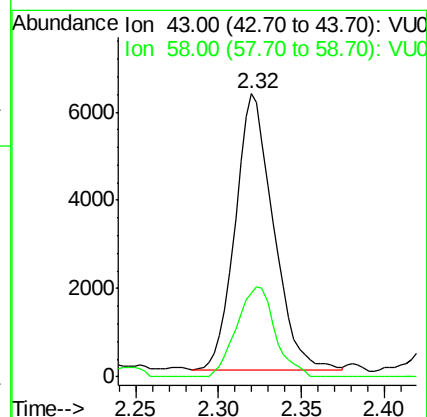
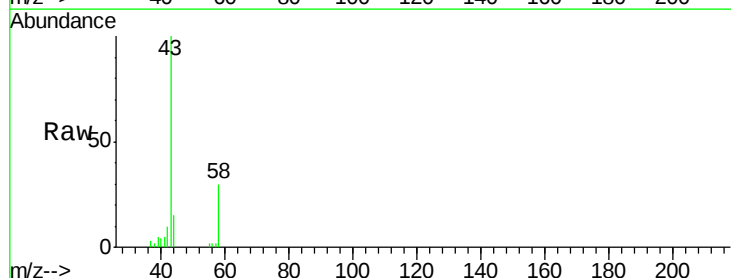
Acq: 21 Jun 2018 16:29

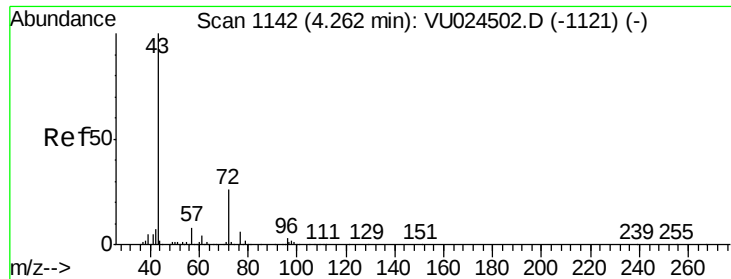
Tgt Ion: 43 Resp: 10037

Ion Ratio Lower Upper

43 100

58 30.5 24.4 36.6

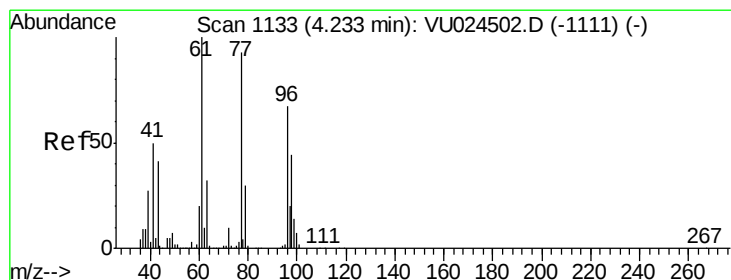
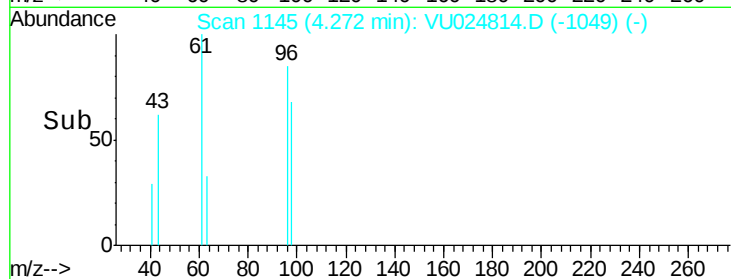
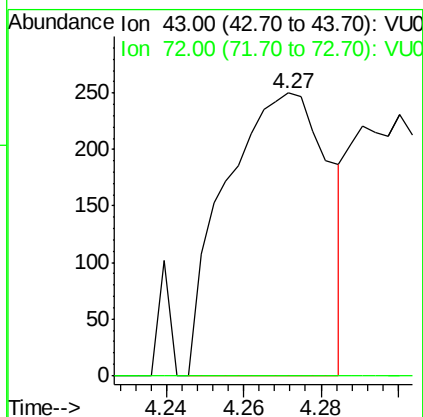
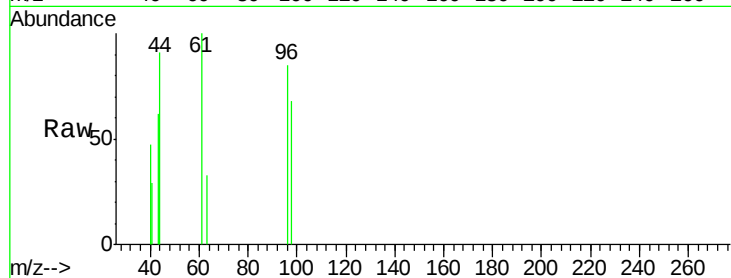




#25
2-Butanone
Concen: 0.207 ug/l
RT: 4.27 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VU024814.D
Acq: 21 Jun 2018 16:29

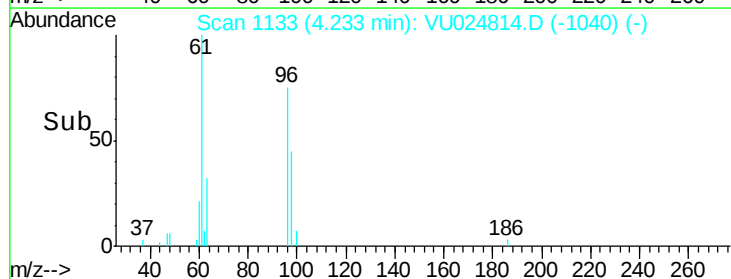
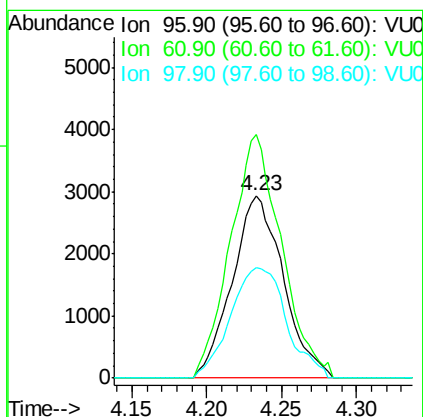
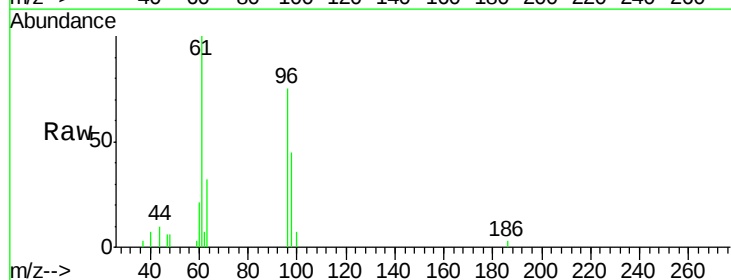
Instrument :
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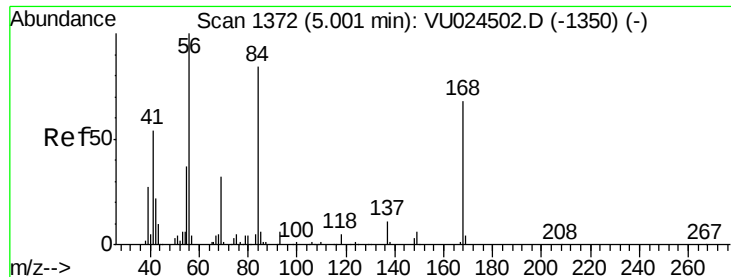
Tot Ion: 43 Resp: 463
Ion Ratio Lower Upper
43 100
72 0.0 19.6 29.4#



#27
cis-1,2-Dichloroethene
Concen: 2.553 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VU024814.D
Acq: 21 Jun 2018 16:29

Tgt Ion: 96 Resp: 6972
Ion Ratio Lower Upper
96 100
61 133.2 0.0 306.6
98 66.2 0.0 128.8

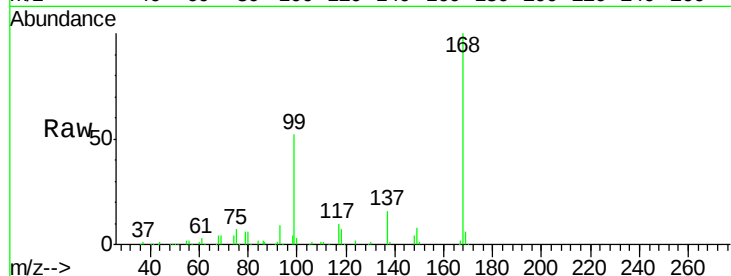




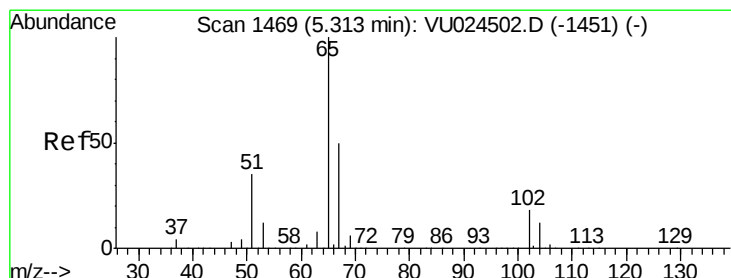
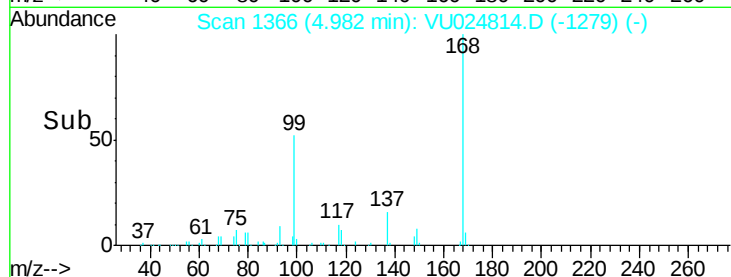
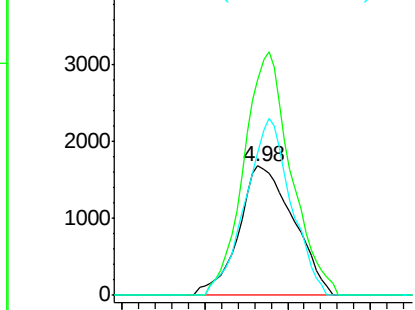
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1366
Delta R.T. -0.02 min
Lab File: VU024814.D
Acq: 21 Jun 2018 16:29

Instrument :
MSVOA_U
ClientSampleId :
S39-0183

Tot Ion: 56 Resp: 3866
Ion Ratio Lower Upper
56 100
69 167.3 24.8 37.2#
84 110.8 65.2 97.8#

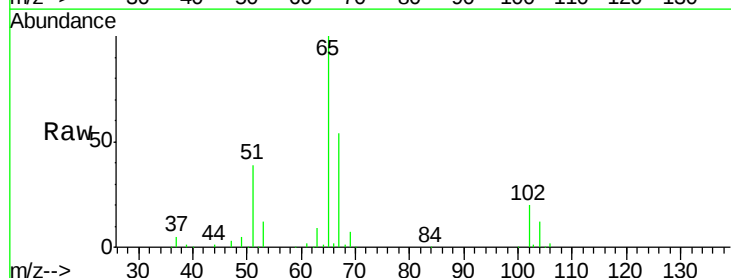


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

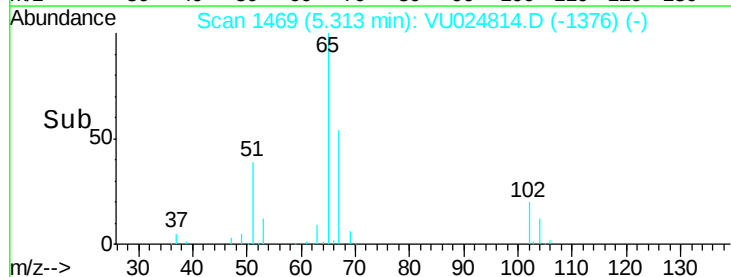
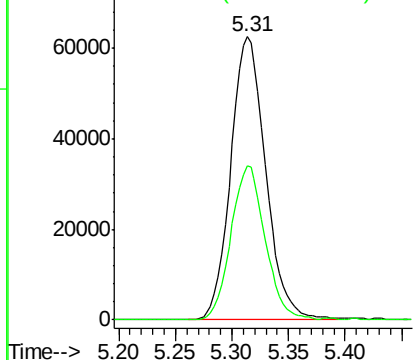


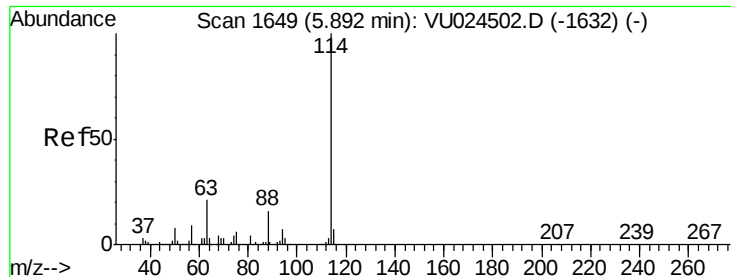
#33
1,2-Dichloroethane-d4
Concen: 43.457 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU024814.D
Acq: 21 Jun 2018 16:29

Tgt Ion: 65 Resp: 134389
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

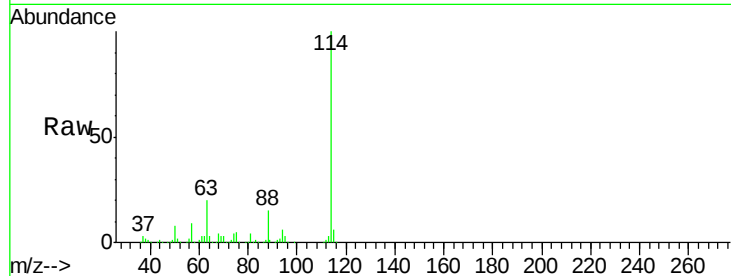




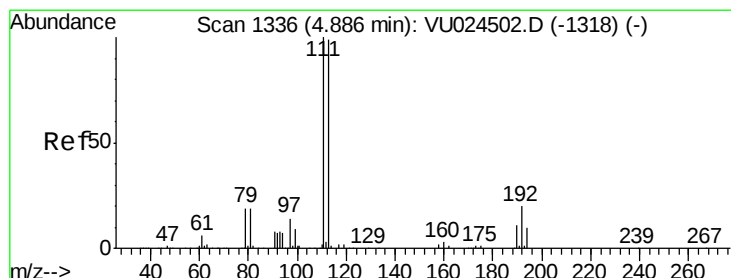
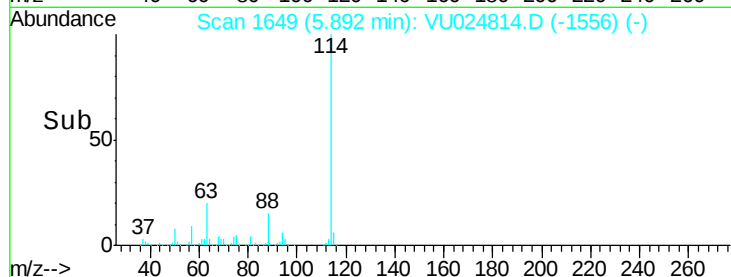
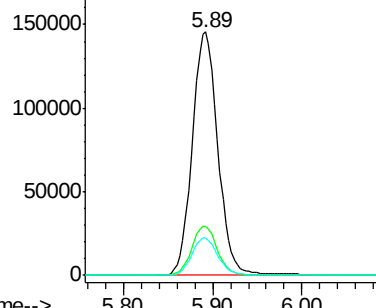
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024814.D
 Acq: 21 Jun 2018 16:29

Instrument :
 MSVOA_U
 ClientSampleId :
 S39-0183

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	45.4
88	15.2	0.0	31.0

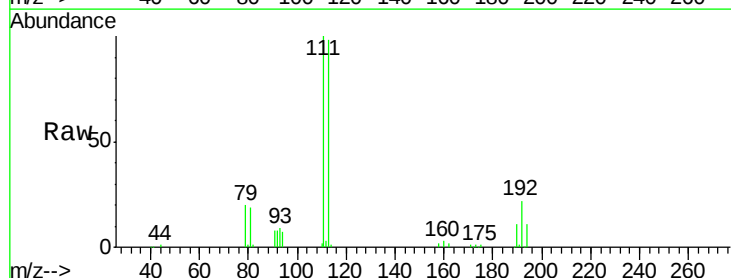


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

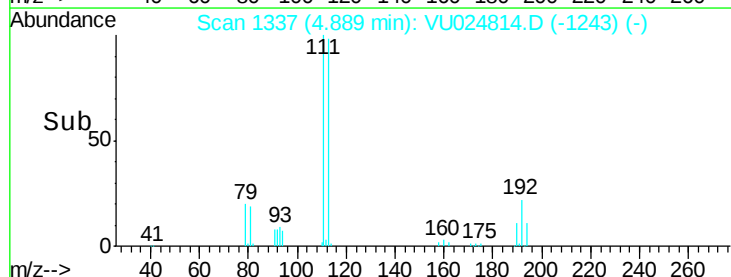
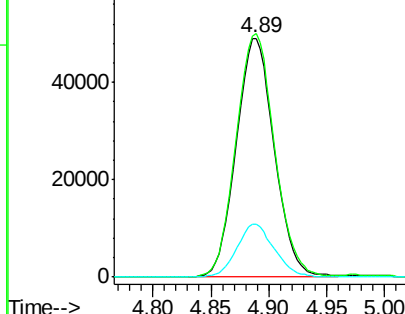


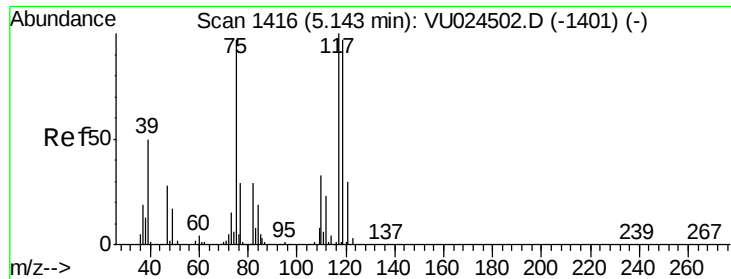
#35
 Dibromofluoromethane
 Concen: 46.517 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024814.D
 Acq: 21 Jun 2018 16:29

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.2	123.4
192	21.9	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

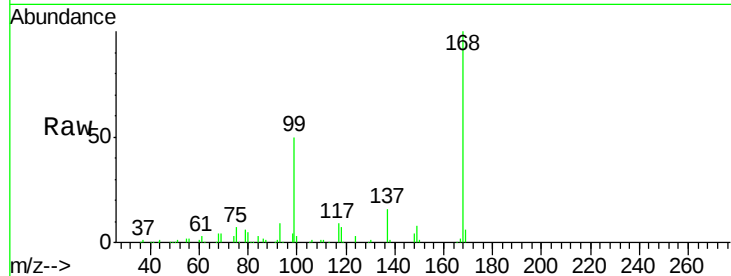




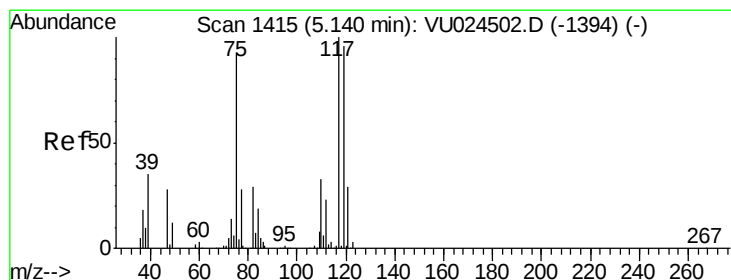
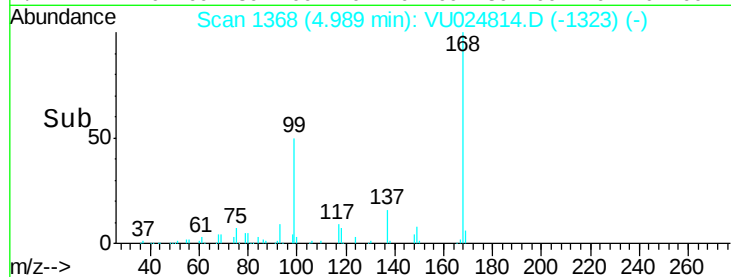
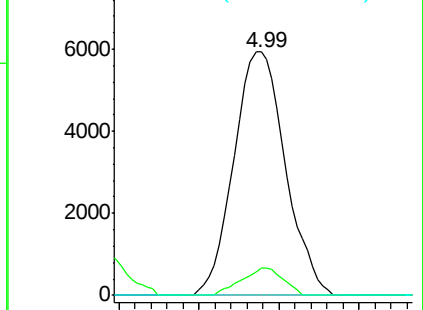
#36
 1,1-Dichloropropene
 Concen: 3.847 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024814.D
 Acq: 21 Jun 2018 16:29

Instrument :
 MSVOA_U
 ClientSampleId :
 S39-0183

Tot Ion	75	Resp	13091
Ion Ratio	Lower	Upper	
75	100		
110	9.0	17.0	50.9#
77	0.0	24.2	36.4#

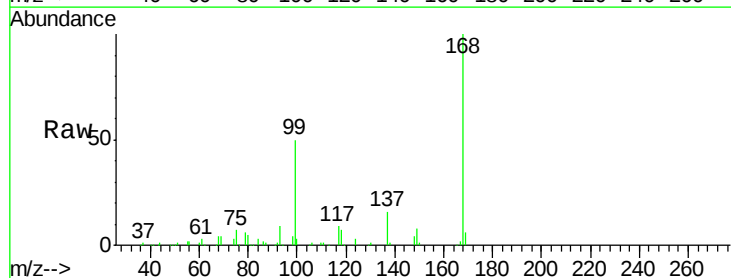


Abundance Ion 74.90 (74.60 to 75.60): VU024814.D (-1368) (-)

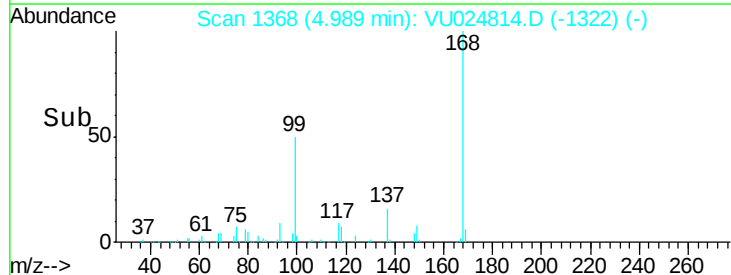
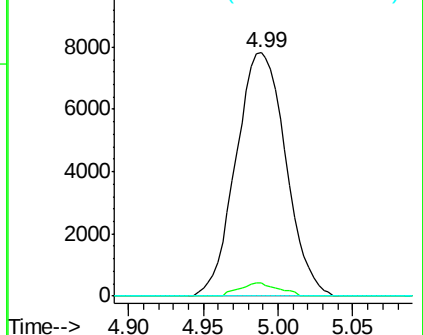


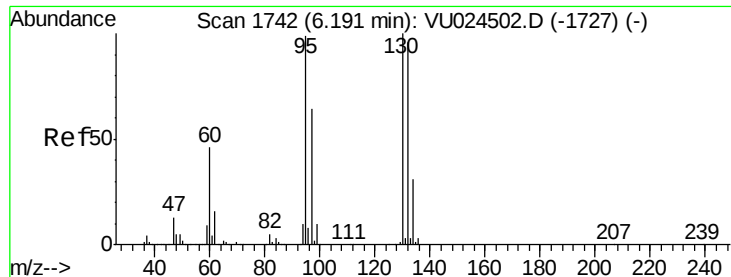
#38
 Carbon Tetrachloride
 Concen: 4.833 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024814.D
 Acq: 21 Jun 2018 16:29

Tgt Ion	117	Resp	18085
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): VU024814.D (-1368) (-)





#44

Trichloroethene

Concen: 13.082 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024814.D

Acq: 21 Jun 2018 16:29

Instrument :

MSVOA_U

ClientSampleId :

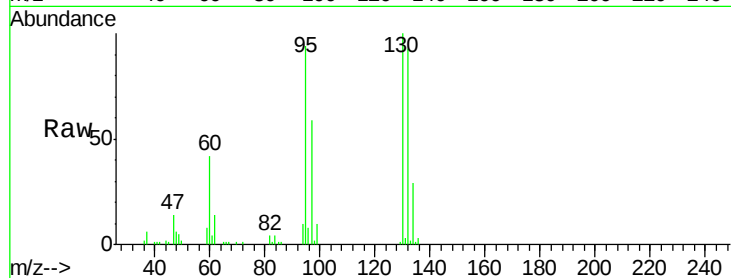
S39-0183

Tot Ion:130 Resp: 36102

Ion Ratio Lower Upper

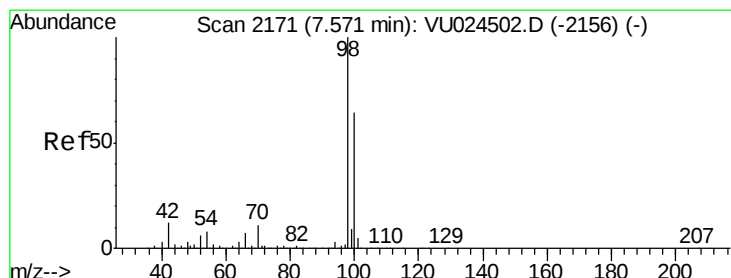
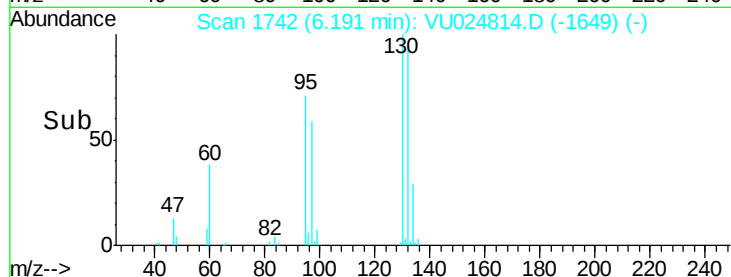
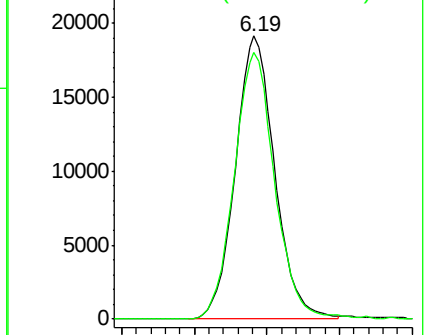
130 100

95 94.3 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: 48.050 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024814.D

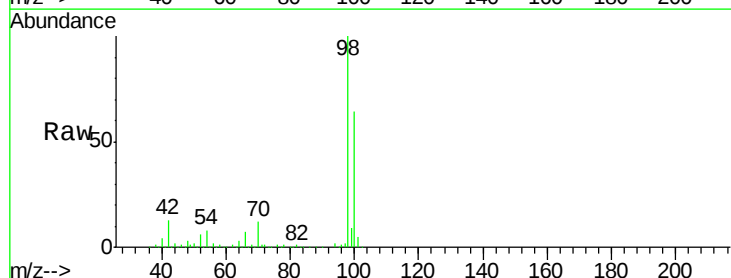
Acq: 21 Jun 2018 16:29

Tgt Ion: 98 Resp: 421229

Ion Ratio Lower Upper

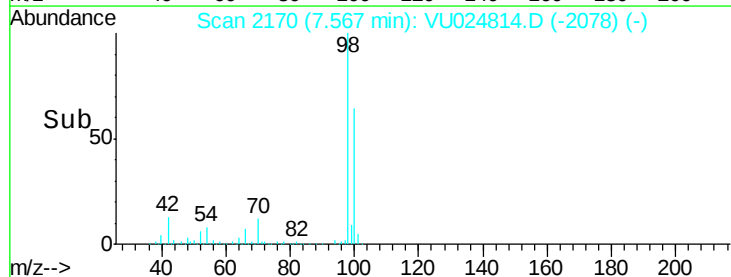
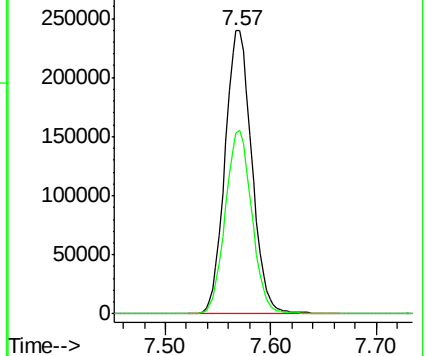
98 100

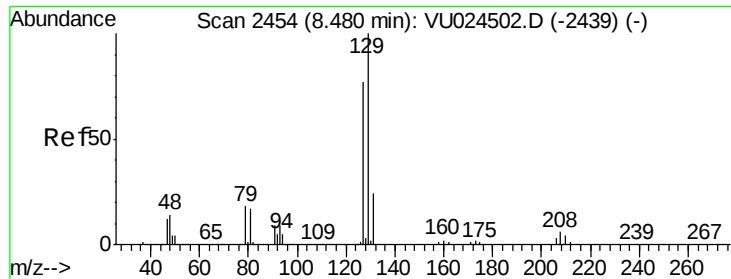
100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

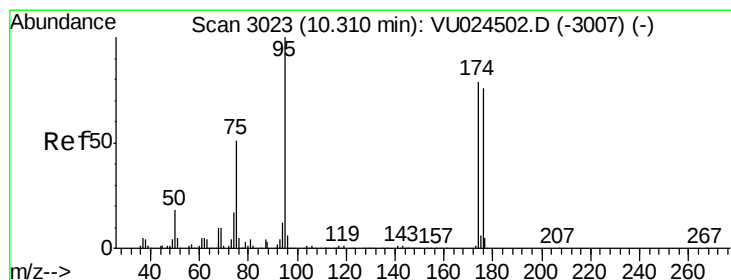
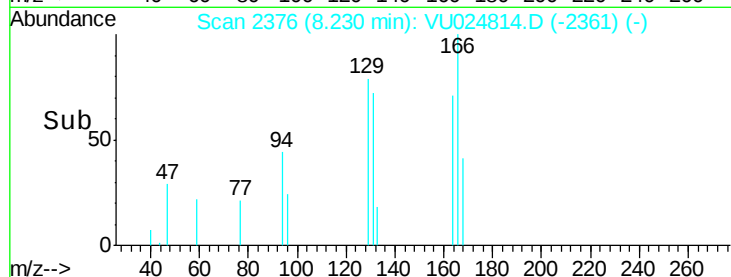
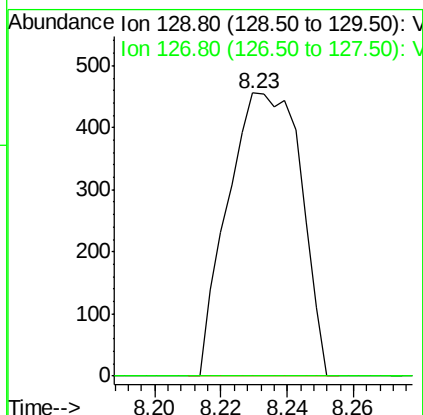
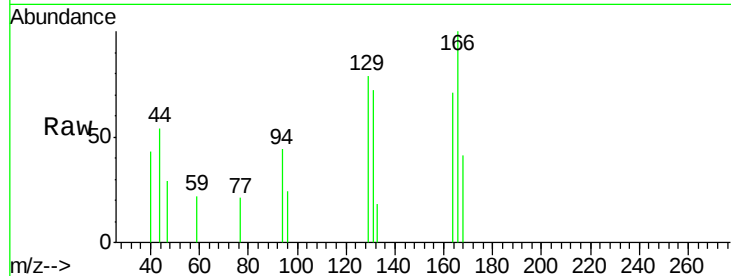




#60
 Dibromochloromethane
 Concen: 0.220 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.25 min
 Lab File: VU024814.D
 Acq: 21 Jun 2018 16:29

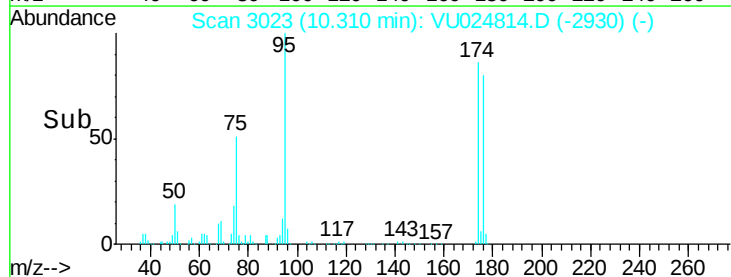
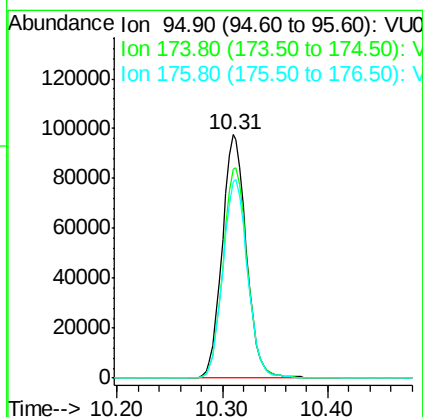
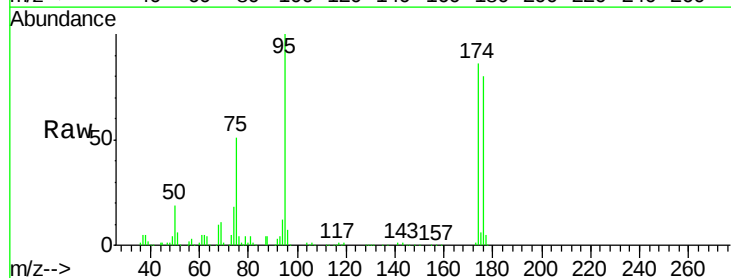
Instrument :
 MSVOA_U
 ClientSampleId :
 S39-0183

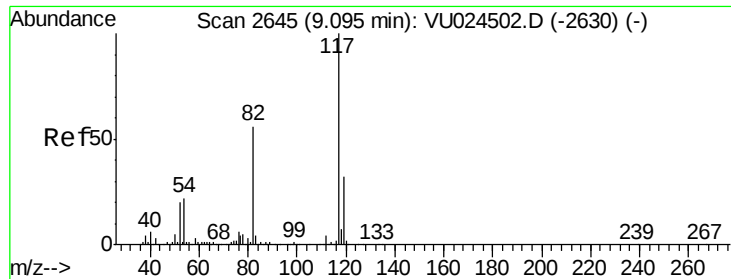
Tot Ion:129 Resp: 697
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.6 116.0#



#62
 4-Bromofluorobenzene
 Concen: 44.368 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.00 min
 Lab File: VU024814.D
 Acq: 21 Jun 2018 16:29

Tgt Ion: 95 Resp: 154430
 Ion Ratio Lower Upper
 95 100
 174 87.6 0.0 165.8
 176 83.6 0.0 159.4

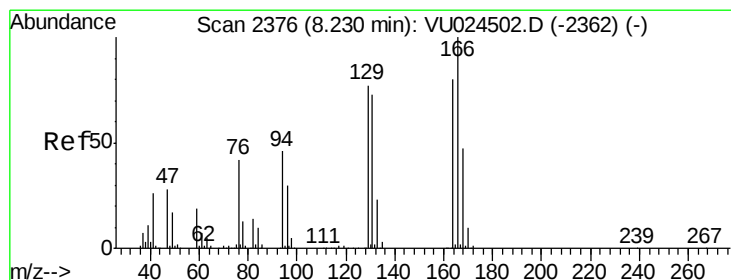
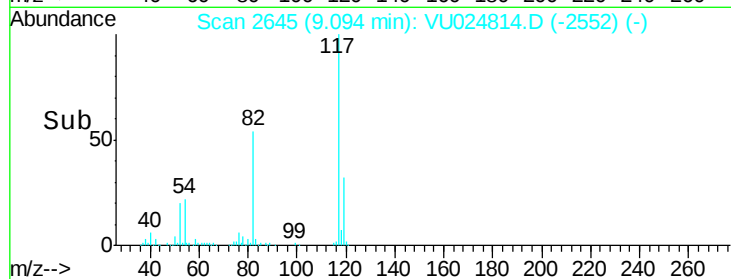
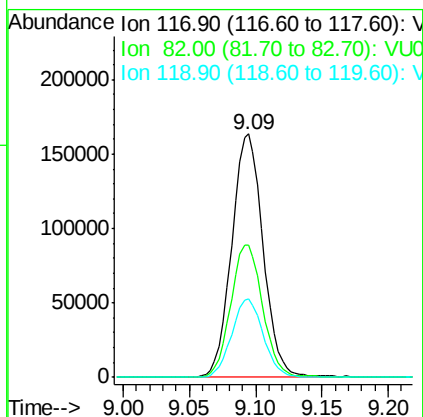
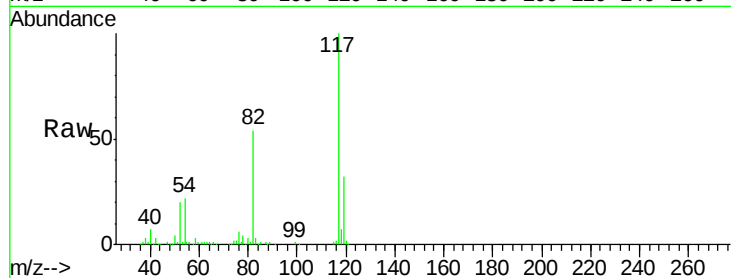




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024814.D
Acq: 21 Jun 2018 16:29

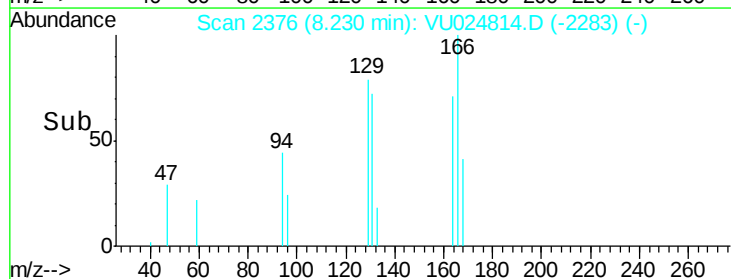
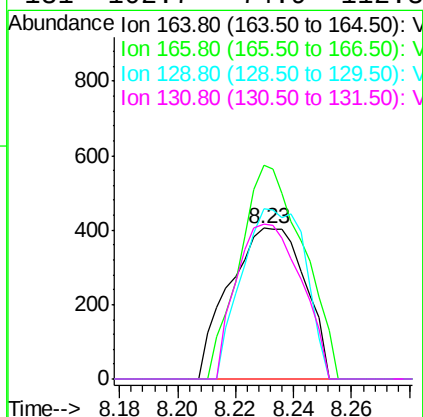
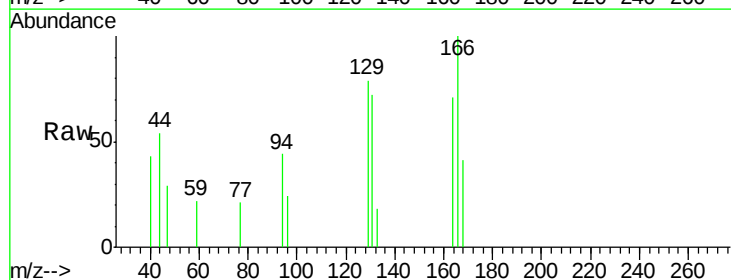
Instrument :
MSVOA_U
ClientSampleId :
S39-0183

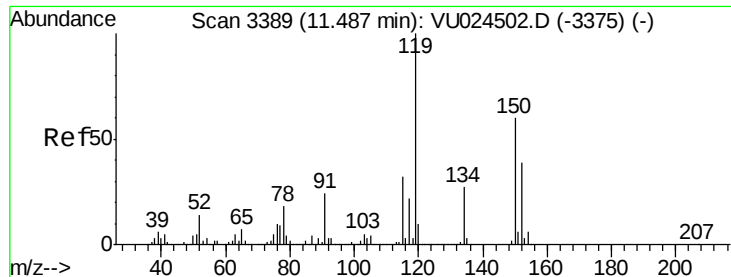
Tot Ion:117 Resp: 269220
Ion Ratio Lower Upper
117 100
82 54.1 44.3 66.5
119 32.0 25.4 38.2



#64
Tetrachloroethene
Concen: 0.286 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU024814.D
Acq: 21 Jun 2018 16:29

Tgt Ion:164 Resp: 732
Ion Ratio Lower Upper
164 100
166 141.7 101.7 152.5
129 112.6 76.9 115.3
131 102.7 74.9 112.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024814.D

Acq: 21 Jun 2018 16:29

Instrument :

MSVOA_U

ClientSampleId :

S39-0183

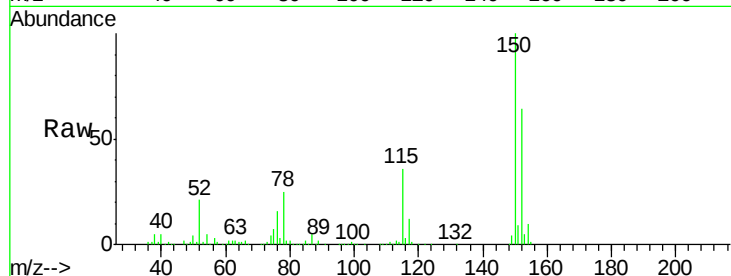
Tot Ion:152 Resp: 145081

Ion Ratio Lower Upper

152 100

115 56.3 43.0 129.0

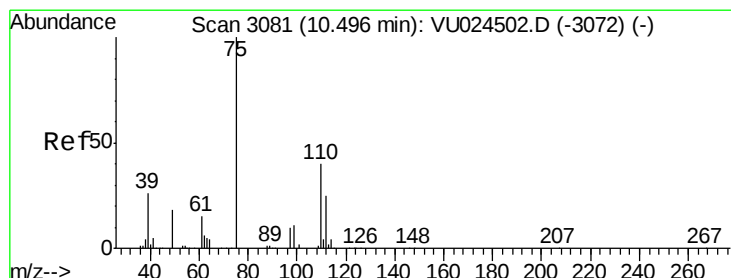
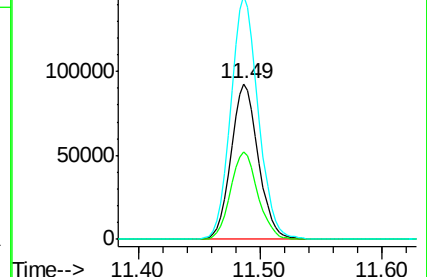
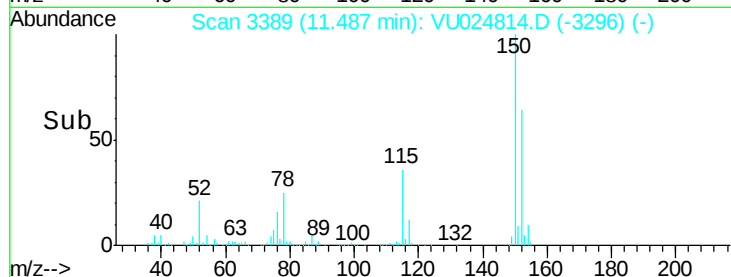
150 157.3 0.0 354.0



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: 25.112 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024814.D

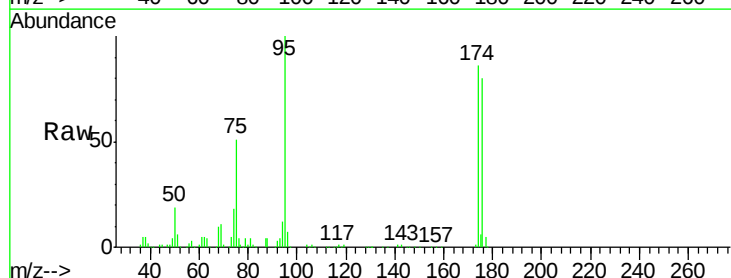
Acq: 21 Jun 2018 16:29

Tgt Ion: 75 Resp: 80211

Ion Ratio Lower Upper

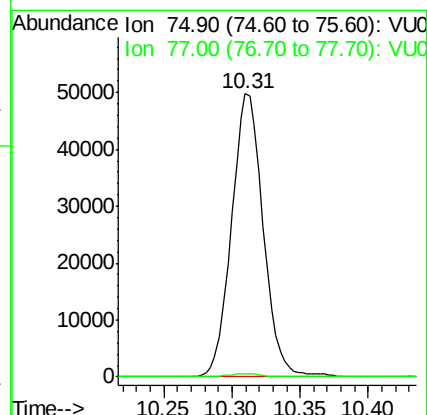
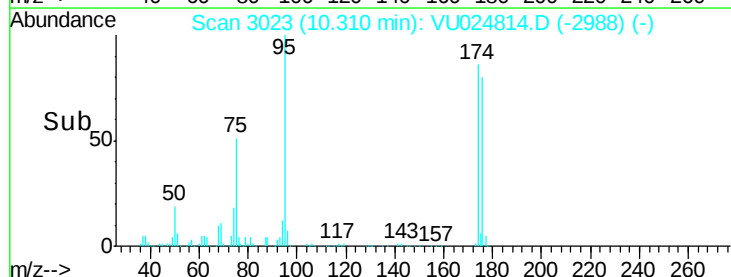
75 100

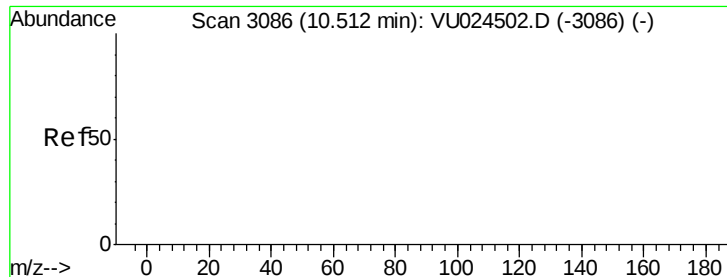
77 1.0 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

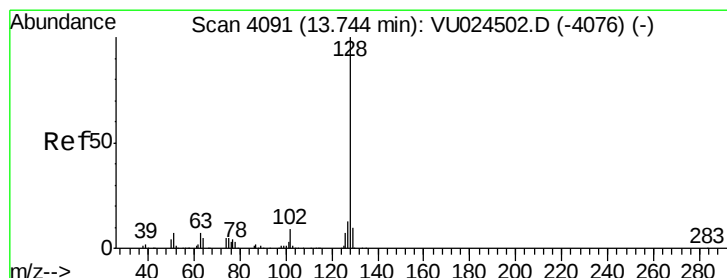
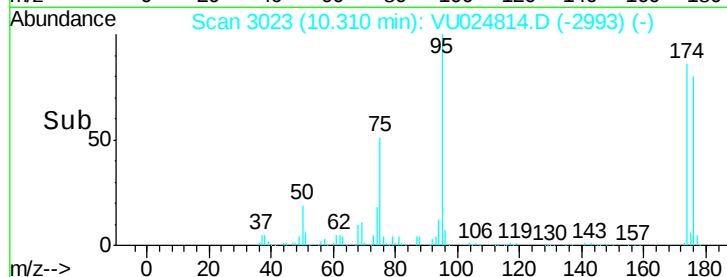
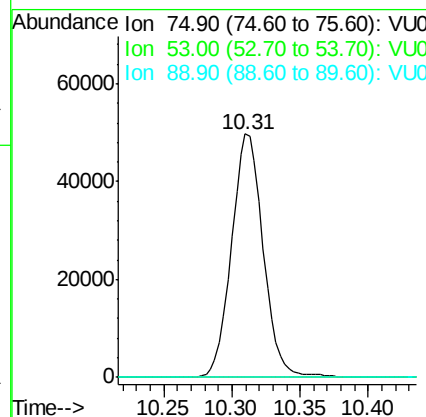
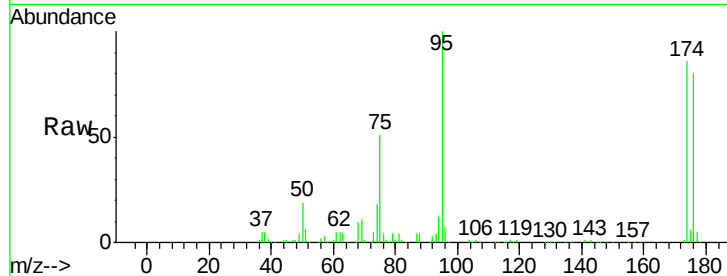




#81
trans-1,4-Dichloro-2-butene
Concen: 58.119 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU024814.D
Acq: 21 Jun 2018 16:29

Instrument :
MSVOA_U
ClientSampleId :
S39-0183

Tot Ion: 75 Resp: 80211
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#95
Naphthalene
Concen: 0.685 ug/l
RT: 13.75 min Scan# 4094
Delta R.T. 0.01 min
Lab File: VU024814.D
Acq: 21 Jun 2018 16:29

Tgt Ion:128 Resp: 65
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

