

Data File : VU033966.D
Acq On : 26 Aug 2019 23:00
Operator : JC/SP
Sample : K4538-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TRIP

Quant Time: Aug 27 08:02:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082719W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 27 06:58:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.95	168	405198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	664552	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	616339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	265837	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.28	65	297432	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
35) Dibromofluoromethane	4.86	113	225719	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
50) Toluene-d8	7.55	98	806736	47.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.36%	
62) 4-Bromofluorobenzene	10.29	95	269511	40.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.78%	

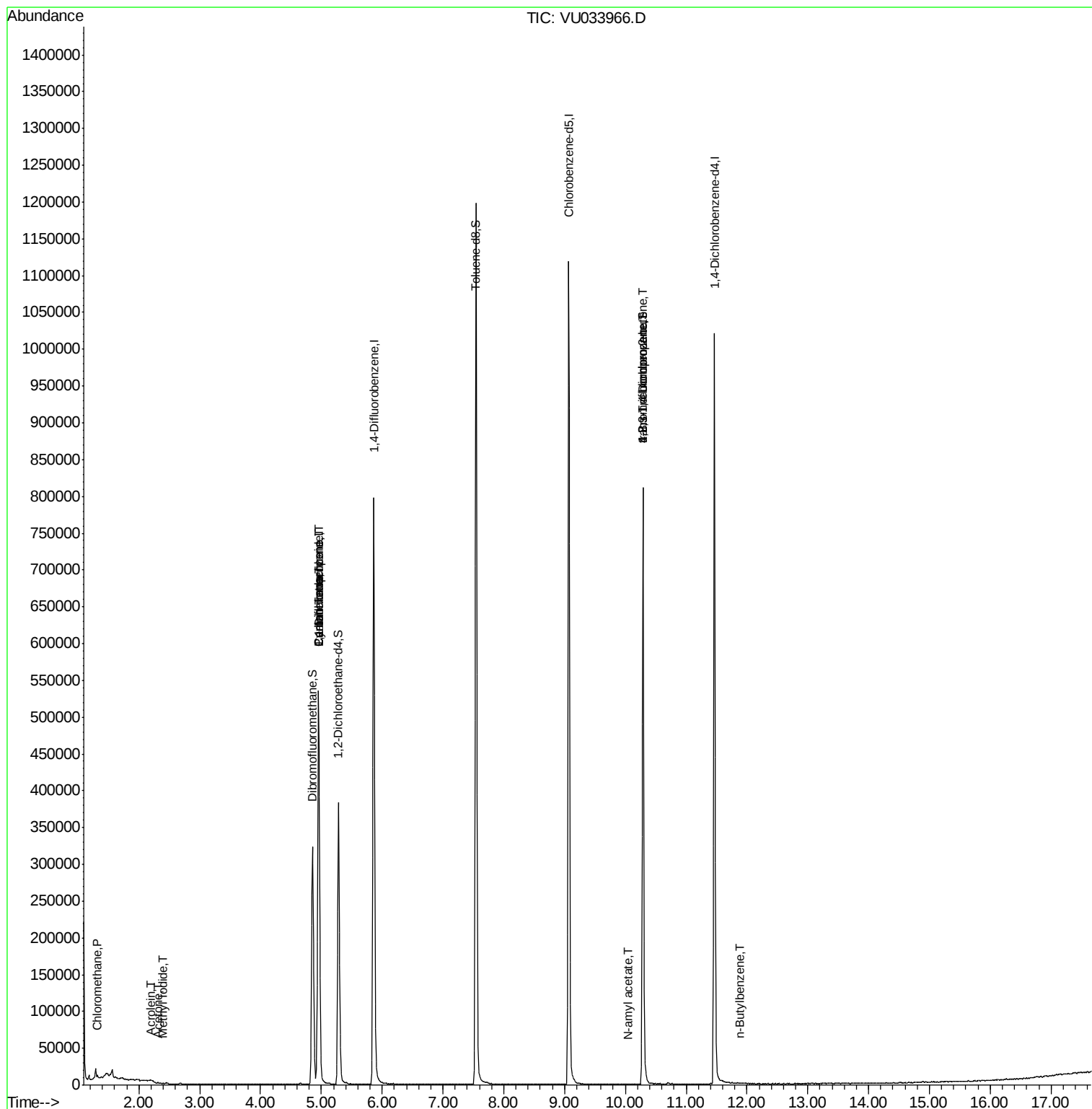
Target Compounds				Qvalue		
3) Chloromethane	1.32	50	3222	0.550	ug/l	98
5) Bromomethane	1.61	94	1293	Below Cal		96
10) Methyl Iodide	2.40	142	424	5.304	ug/l #	82
13) Acrolein	2.18	56	245	0.339	ug/l	98
16) Acetone	2.30	43	868	0.250	ug/l #	84
31) Cyclohexane	4.95	56	8729	1.032	ug/l #	1
36) 1,1-Dichloropropene	4.95	75	33572	4.893	ug/l #	50
38) Carbon Tetrachloride	4.95	117	39839	5.831	ug/l #	17
74) N-amyl acetate	10.03	43	65	3.597	ug/l #	42
76) 1,2,3-Trichloropropane	10.29	75	137581	22.371	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	137581	59.650	ug/l #	100
89) n-Butylbenzene	11.89	91	321	2.691	ug/l #	33

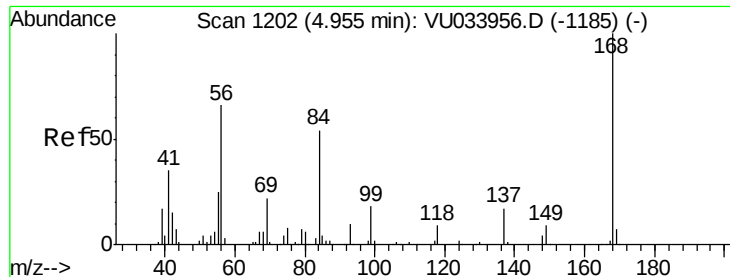
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.95 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VU033966.D

Acq: 26 Aug 2019 23:00

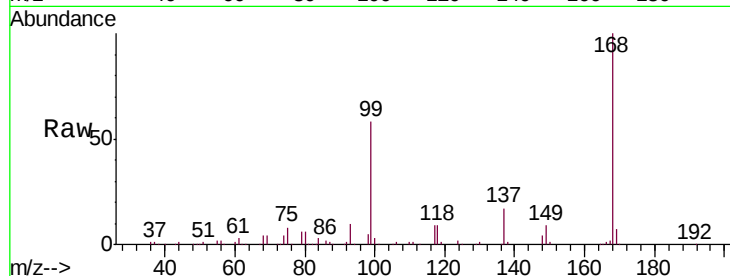
Instrument :
MSVOA_U
ClientSampleId :
TRIP

Tgt Ion:168 Resp: 405198

Ion Ratio Lower Upper

168 100

99 57.7 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VU033956.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU033956.D (-1185) (-)

4.95

200000

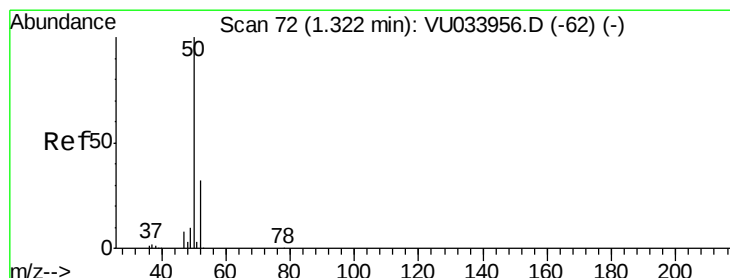
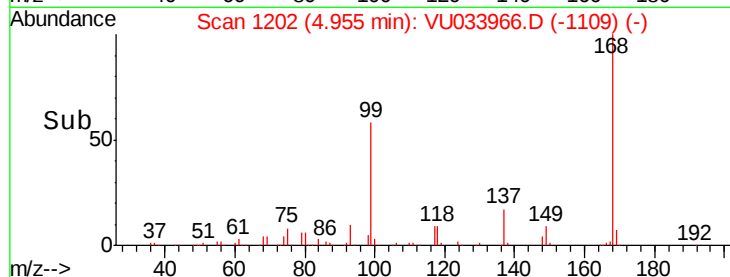
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.550 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033966.D

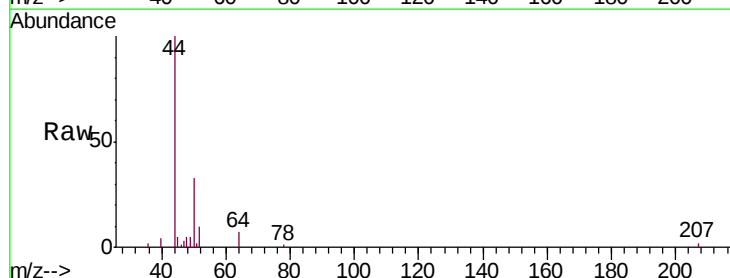
Acq: 26 Aug 2019 23:00

Tgt Ion: 50 Resp: 3222

Ion Ratio Lower Upper

50 100

52 31.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VU033956.D (-62) (-)

Ion 51.90 (51.60 to 52.60): VU033956.D (-62) (-)

1.32

2500

2000

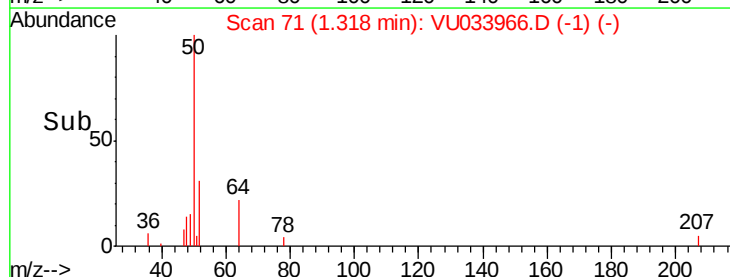
1500

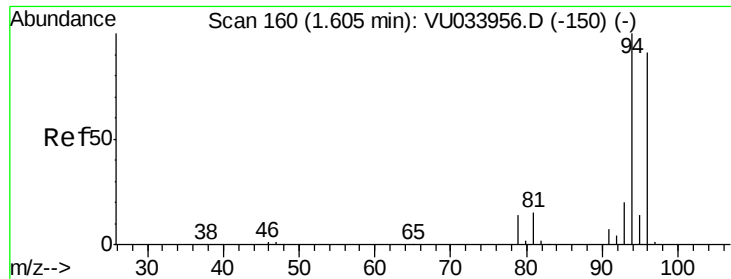
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU033966.D

Acq: 26 Aug 2019 23:00

Instrument :

MSVOA_U

ClientSampleId :

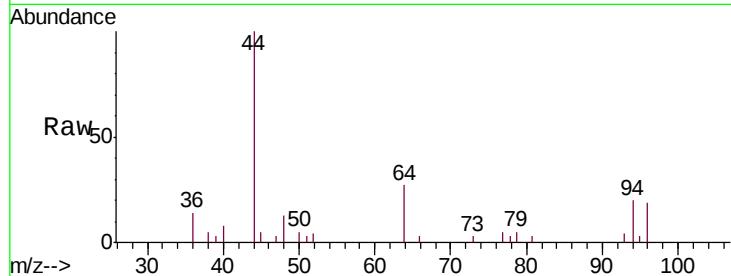
TRIP

Tgt Ion: 94 Resp: 1293

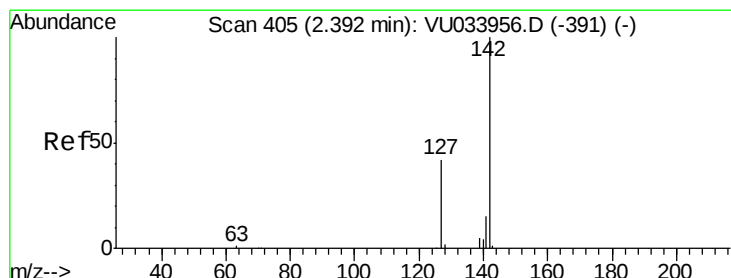
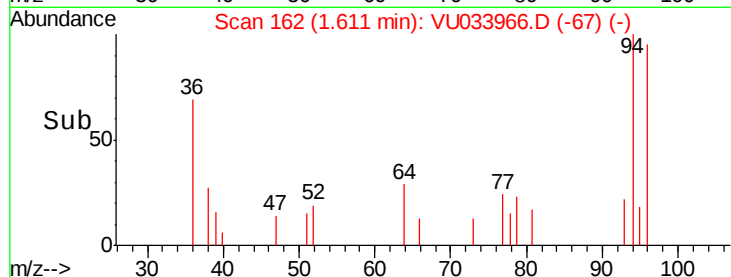
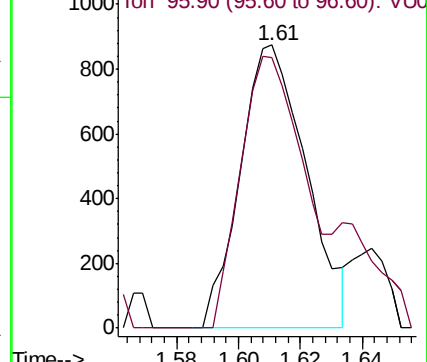
Ion Ratio Lower Upper

94 100

96 95.4 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU033956.D (-150) (-)



#10

Methyl Iodide

Concen: 5.304 ug/l

RT: 2.40 min Scan# 408

Delta R.T. 0.01 min

Lab File: VU033966.D

Acq: 26 Aug 2019 23:00

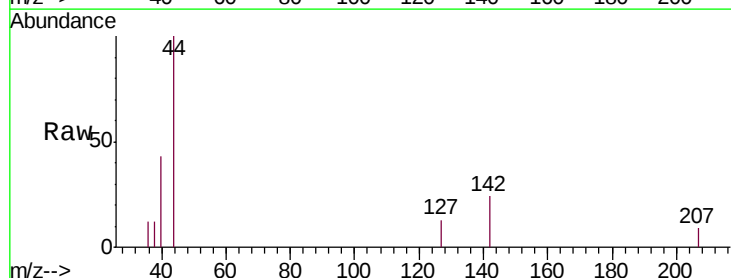
Tgt Ion: 142 Resp: 424

Ion Ratio Lower Upper

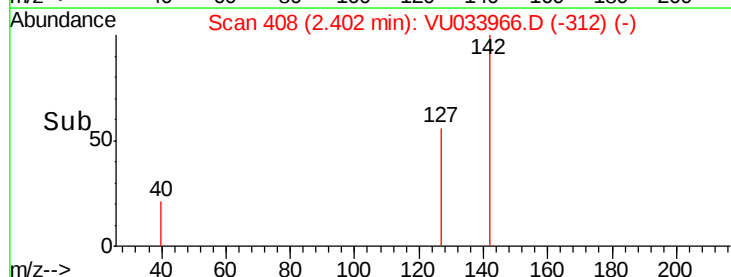
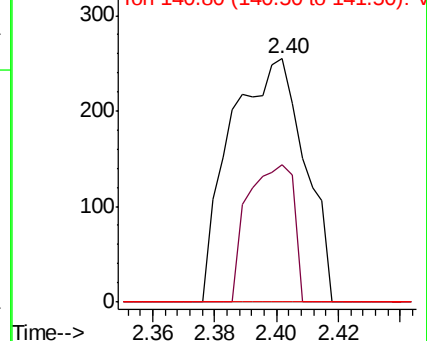
142 100

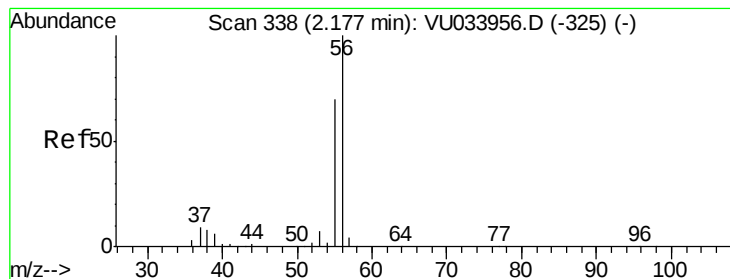
127 34.9 34.3 51.5

141 0.0 11.8 17.6#



Abundance Ion 141.80 (141.50 to 142.50): VU033956.D (-391) (-)





#13

Acrolein

Concen: 0.339 ug/l

RT: 2.18 min Scan# 339

Delta R.T. 0.00 min

Lab File: VU033966.D

Acq: 26 Aug 2019 23:00

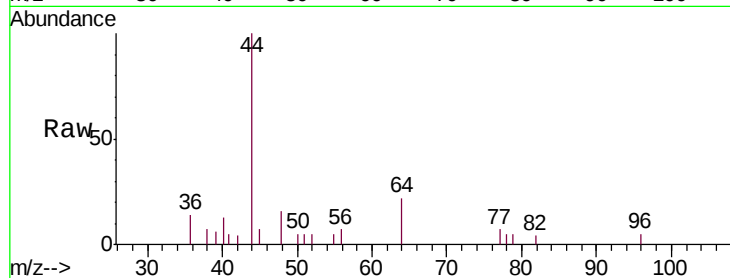
Instrument :
MSVOA_U
ClientSampleId :
TRIP

Tgt Ion: 56 Resp: 245

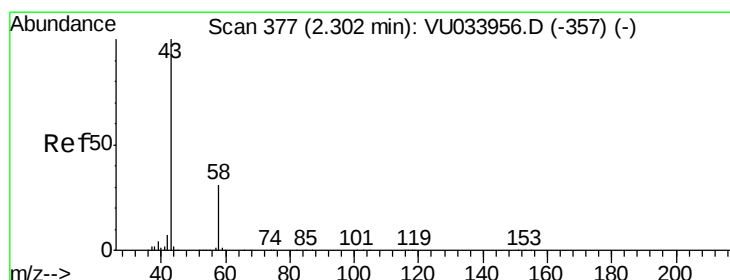
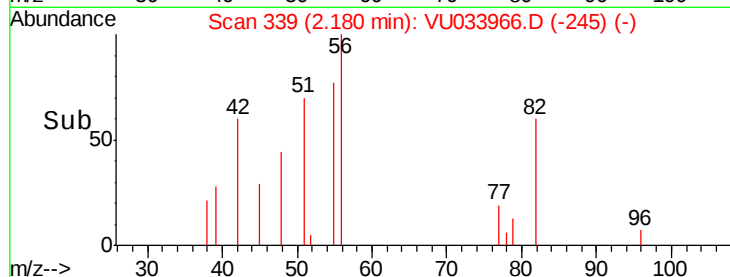
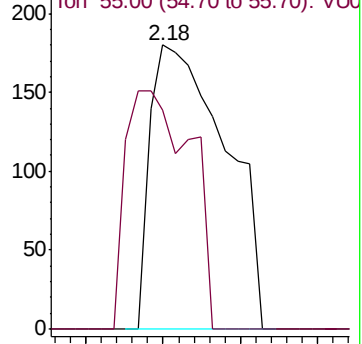
Ion Ratio Lower Upper

56 100

55 71.8 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VU033966.D (-245) (-)



#16

Acetone

Concen: 0.250 ug/l

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VU033966.D

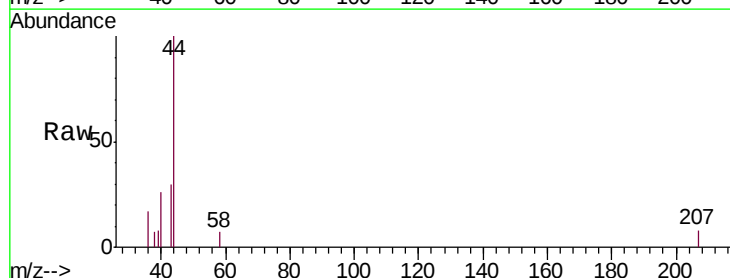
Acq: 26 Aug 2019 23:00

Tgt Ion: 43 Resp: 868

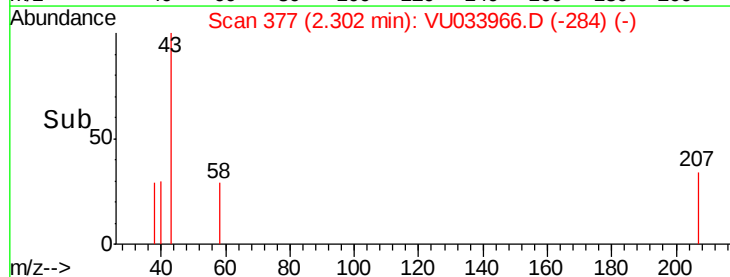
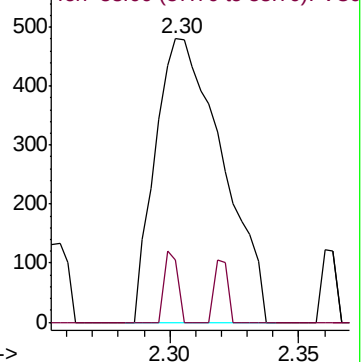
Ion Ratio Lower Upper

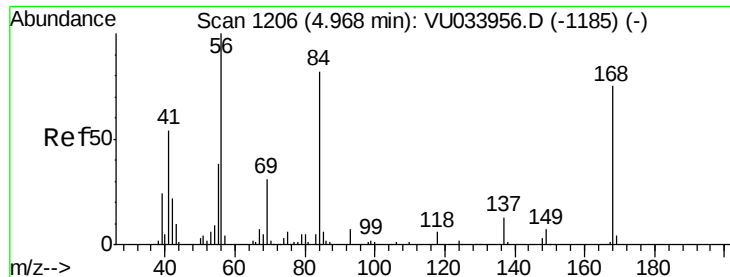
43 100

58 21.9 24.5 36.7#



Abundance Ion 43.00 (42.70 to 43.70): VU033966.D (-284) (-)

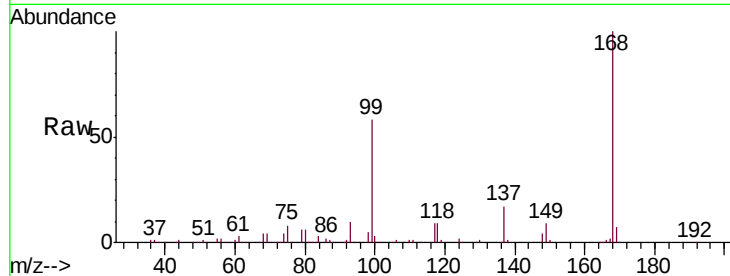




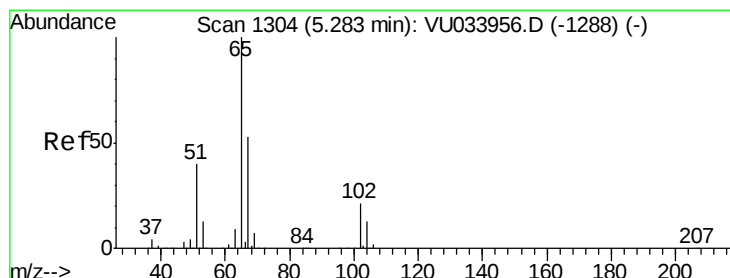
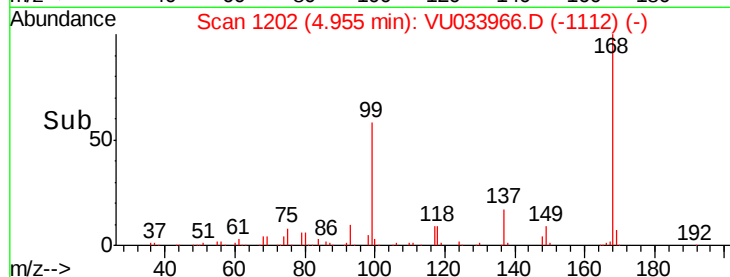
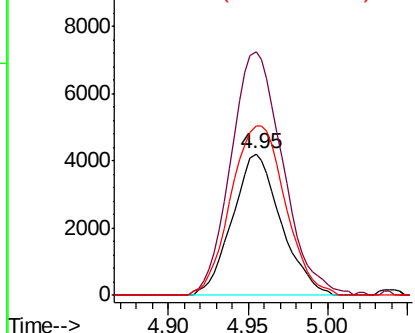
#31
Cyclohexane
Concen: 1.032 ug/l
RT: 4.95 min Scan# 1202
Delta R.T. -0.01 min
Lab File: VU033966.D
Acq: 26 Aug 2019 23:00

Instrument :
MSVOA_U
ClientSampleId :
TRIP

Tgt Ion: 56 Resp: 8729
Ion Ratio Lower Upper
56 100
69 172.1 24.6 37.0#
84 119.4 65.4 98.0#

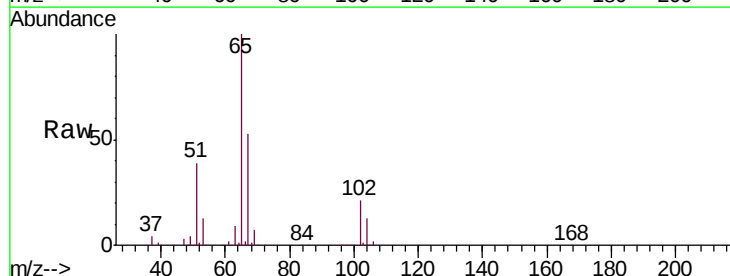


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

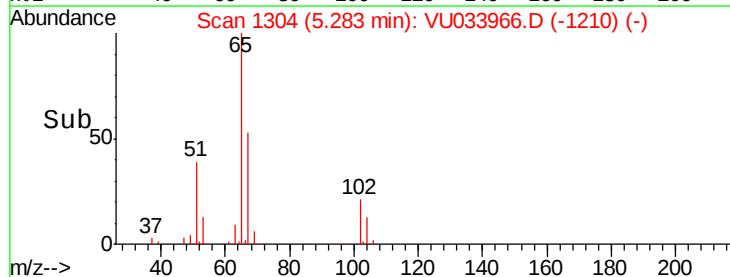
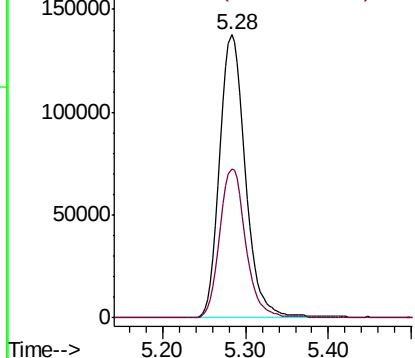


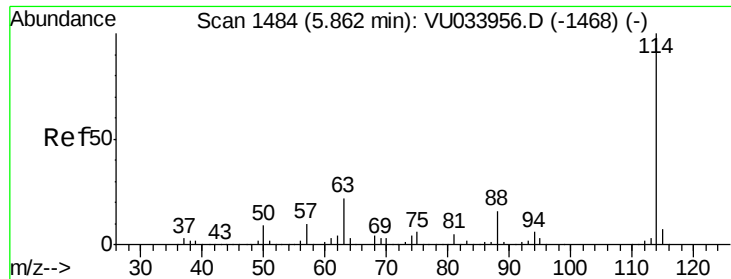
#33
1,2-Dichloroethane-d4
Concen: 51.080 ug/l
RT: 5.28 min Scan# 1304
Delta R.T. 0.00 min
Lab File: VU033966.D
Acq: 26 Aug 2019 23:00

Tgt Ion: 65 Resp: 297432
Ion Ratio Lower Upper
65 100
67 53.2 0.0 107.2



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

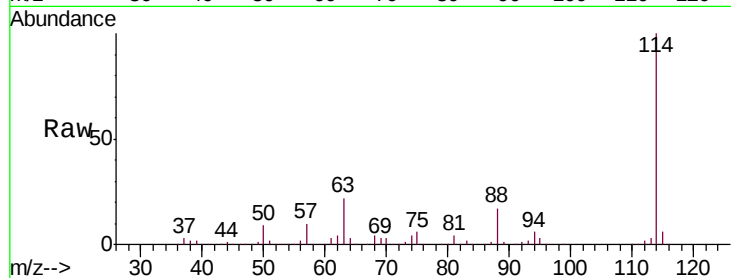




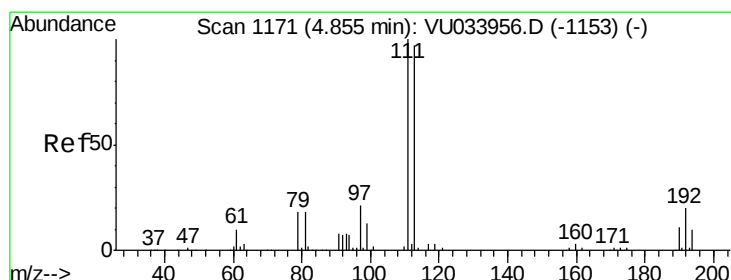
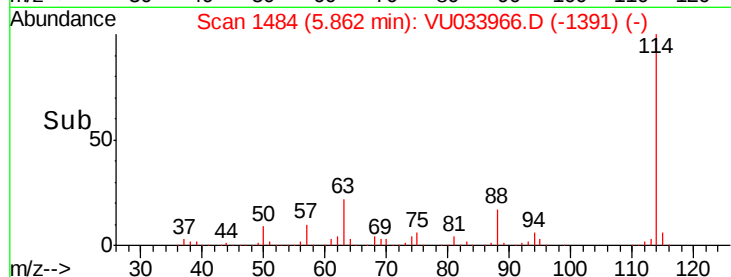
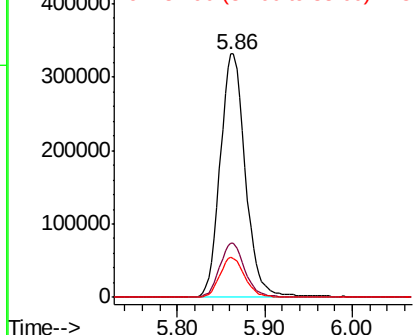
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VU033966.D
 Acq: 26 Aug 2019 23:00

Instrument :
 MSVOA_U
 ClientSampleId :
 TRIP

Tgt Ion:114 Resp: 664552
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 44.2
 88 16.6 0.0 32.0

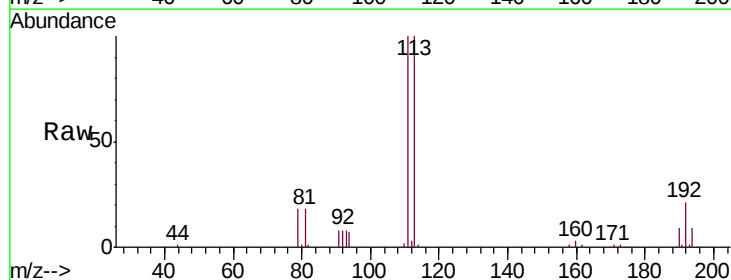


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

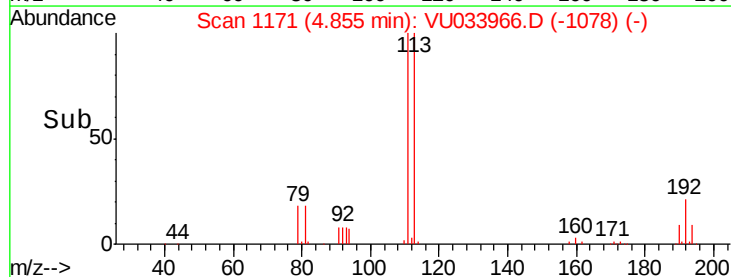
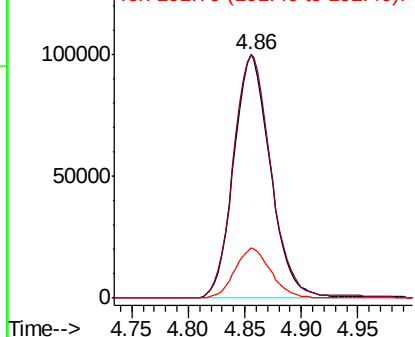


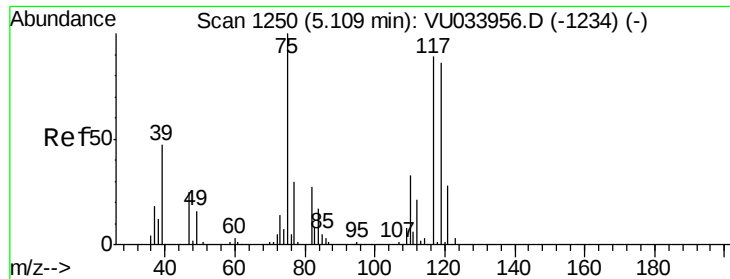
#35
 Dibromofluoromethane
 Concen: 48.829 ug/l
 RT: 4.86 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: VU033966.D
 Acq: 26 Aug 2019 23:00

Tgt Ion:113 Resp: 225719
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.0 123.0
 192 20.2 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

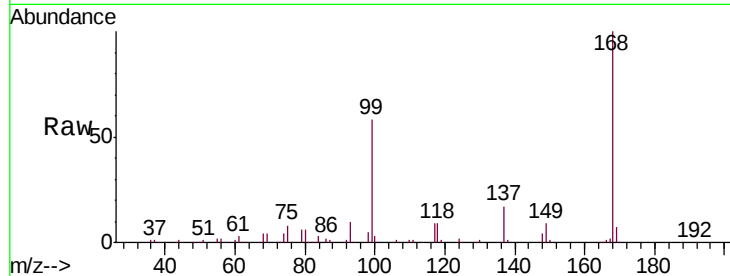




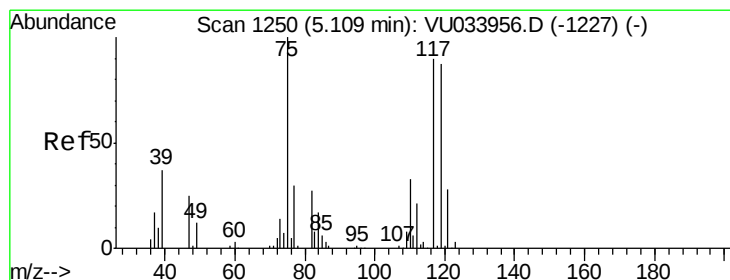
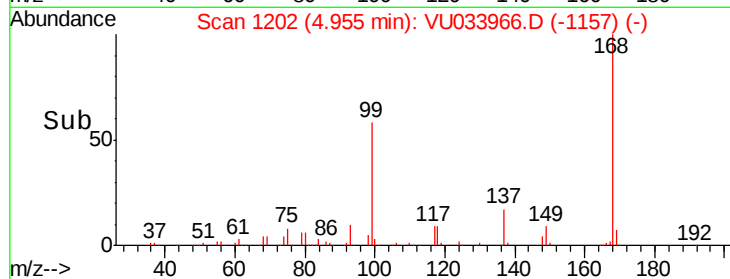
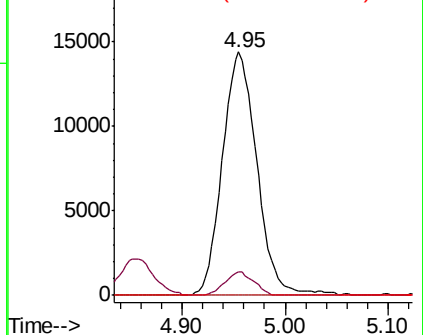
#36
 1,1-Dichloropropene
 Concen: 4.893 ug/l
 RT: 4.95 min Scan# 1202
 Delta R.T. -0.15 min
 Lab File: VU033966.D
 Acq: 26 Aug 2019 23:00

Instrument :
 MSVOA_U
 ClientSampleId :
 TRIP

Tgt Ion: 75 Resp: 33572
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.8 50.4#
 77 0.0 24.7 37.1#

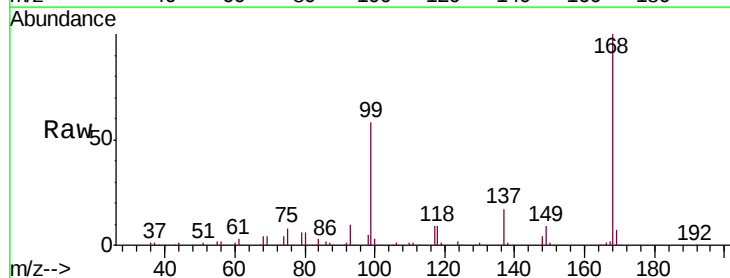


Abundance Ion 74.90 (74.60 to 75.60): VU033956.D (-1234) (-)
 Ion 109.90 (109.60 to 110.60): VU033956.D (-1234) (-)
 Ion 76.90 (76.60 to 77.60): VU033956.D (-1234) (-)

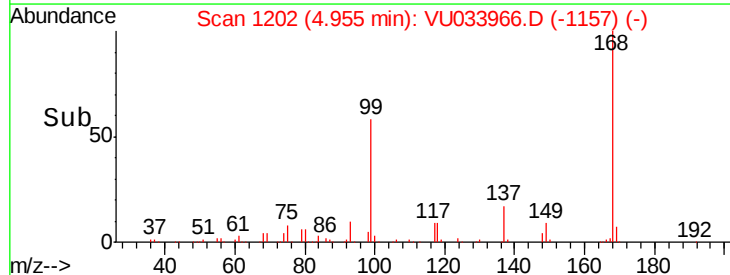
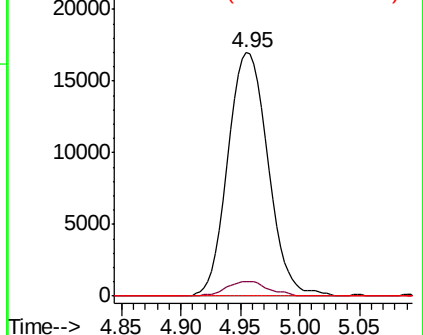


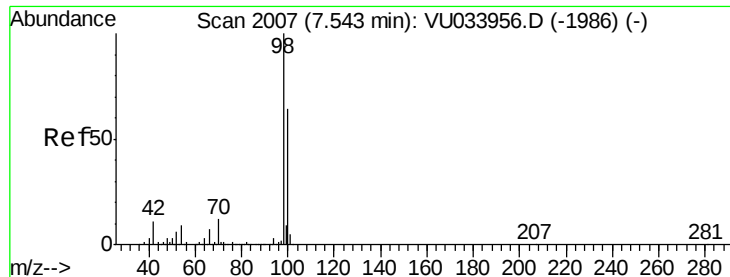
#38
 Carbon Tetrachloride
 Concen: 5.831 ug/l
 RT: 4.95 min Scan# 1202
 Delta R.T. -0.15 min
 Lab File: VU033966.D
 Acq: 26 Aug 2019 23:00

Tgt Ion: 117 Resp: 39839
 Ion Ratio Lower Upper
 117 100
 119 6.0 76.9 115.3#
 121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): VU033956.D (-1227) (-)
 Ion 118.80 (118.50 to 119.50): VU033956.D (-1227) (-)
 Ion 120.80 (120.50 to 121.50): VU033956.D (-1227) (-)

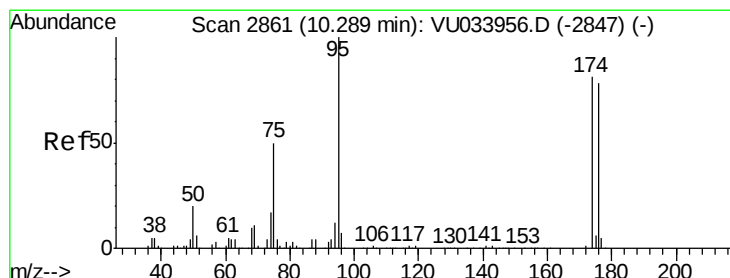
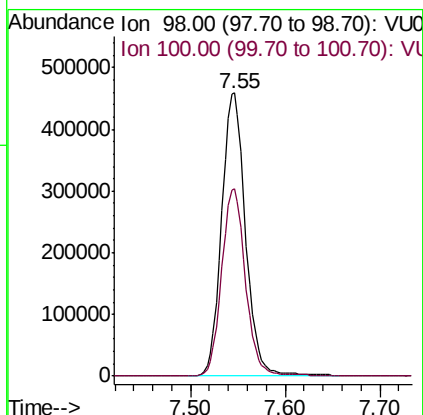
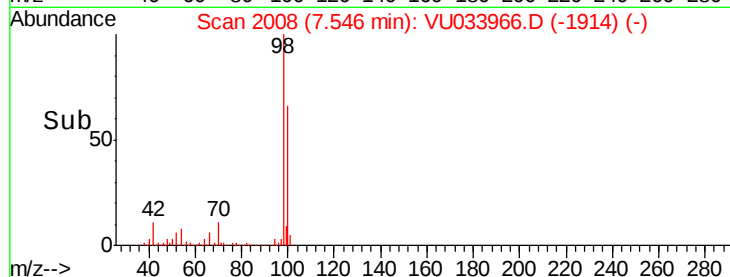
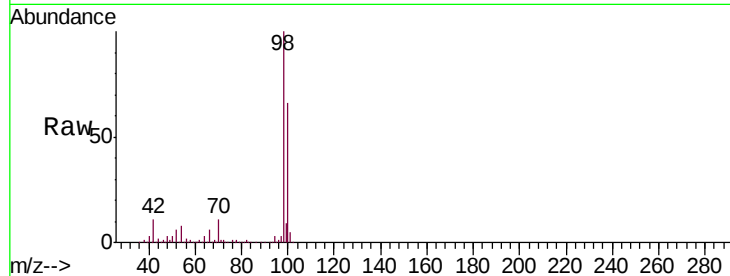




#50
Toluene-d8
Concen: 47.180 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU033966.D
Acq: 26 Aug 2019 23:00

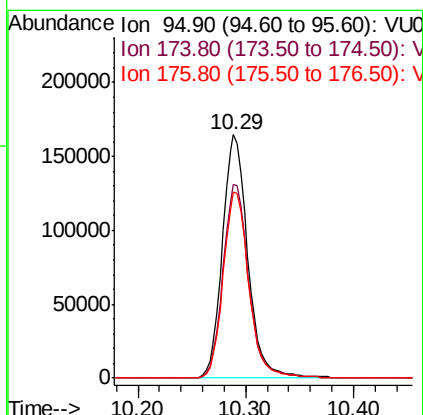
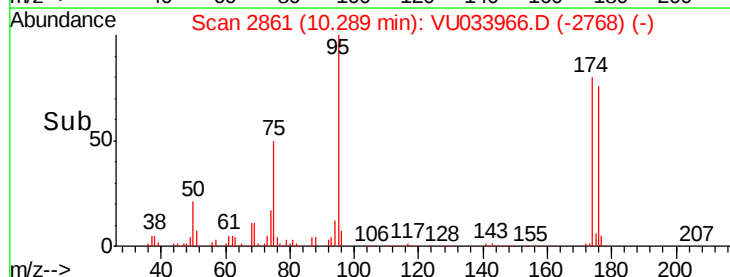
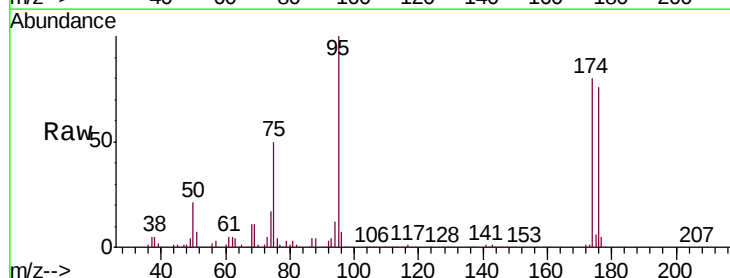
Instrument :
MSVOA_U
ClientSampleId :
TRIP

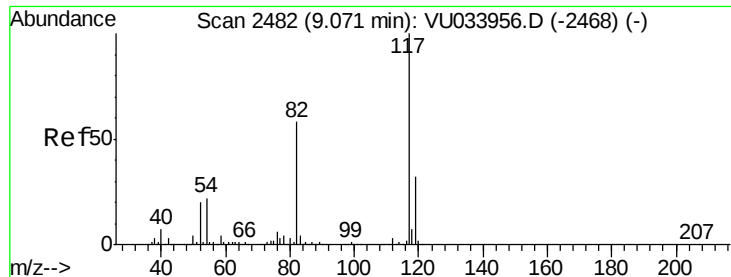
Tgt Ion: 98 Resp: 806736
Ion Ratio Lower Upper
98 100
100 65.9 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 40.888 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.00 min
Lab File: VU033966.D
Acq: 26 Aug 2019 23:00

Tgt Ion: 95 Resp: 269511
Ion Ratio Lower Upper
95 100
174 80.5 0.0 160.4
176 77.7 0.0 154.2

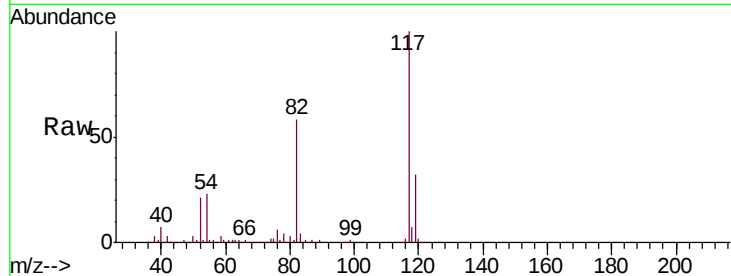




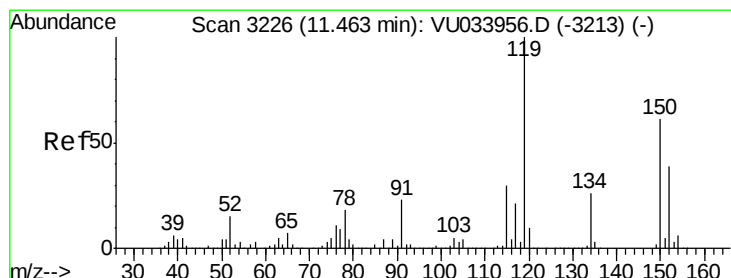
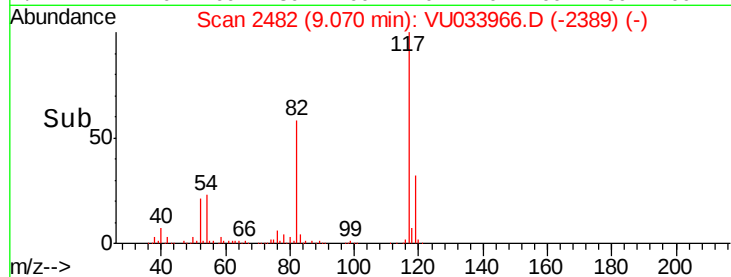
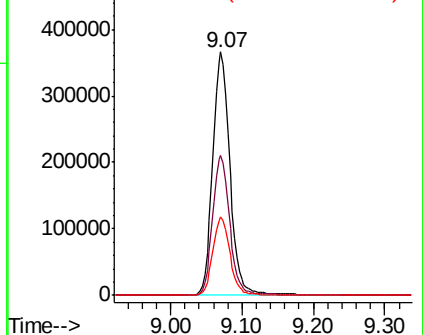
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU033966.D
Acq: 26 Aug 2019 23:00

Instrument :
MSVOA_U
ClientSampleId :
TRIP

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.7	46.4	69.6
119	32.1	25.3	37.9

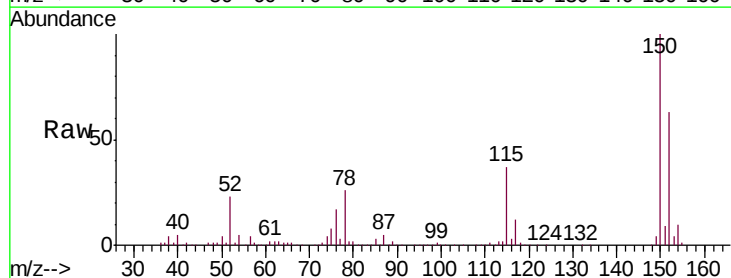


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

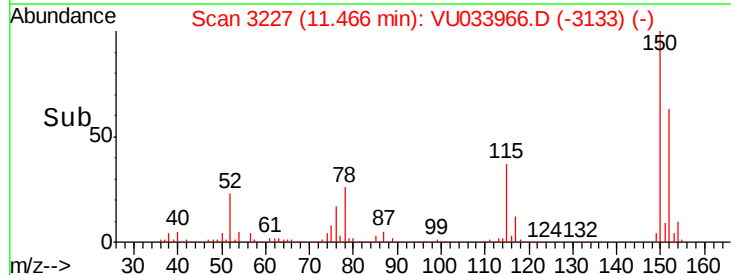
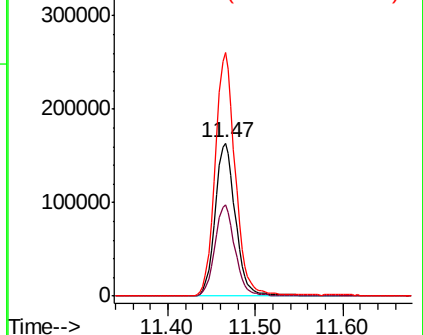


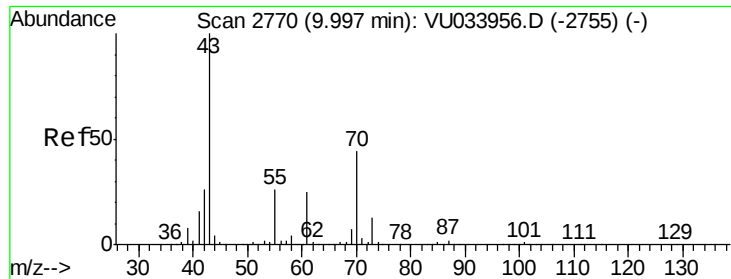
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VU033966.D
Acq: 26 Aug 2019 23:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	40.3	120.9
150	156.0	0.0	346.0



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





#74

N-ethyl acetate

Concen: 3.597 ug/l

RT: 10.03 min Scan# 2782

Delta R.T. 0.04 min

Lab File: VU033966.D

Acq: 26 Aug 2019 23:00

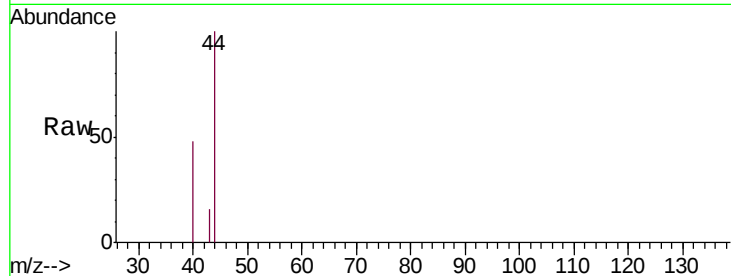
Instrument :

MSVOA_U

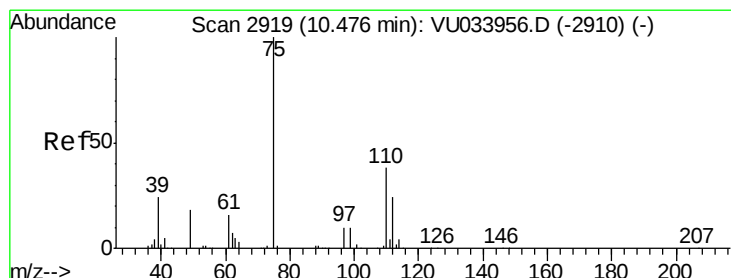
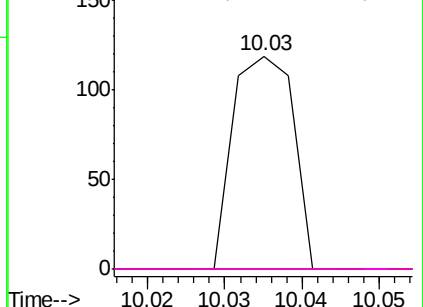
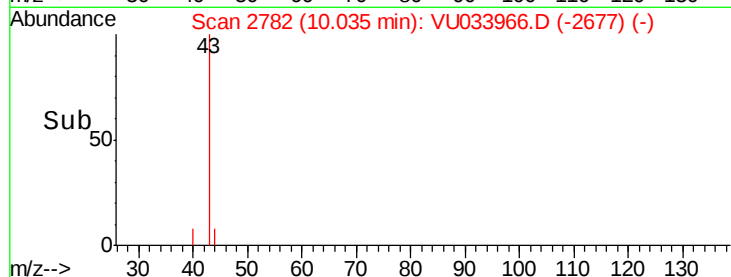
ClientSampleId :

TRIP

Tgt Ion:	43	Resp:	65
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.5	51.7#
55	0.0	20.9	31.3#
61	0.0	19.7	29.5#



Abundance Ion 43.00 (42.70 to 43.70): VU033966.D (-2677) (-)



#76

1,2,3-Trichloropropane

Concen: 22.371 ug/l

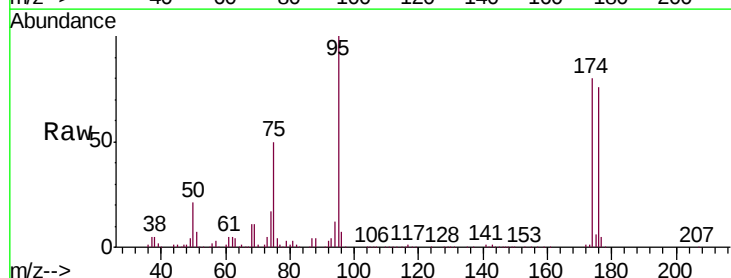
RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

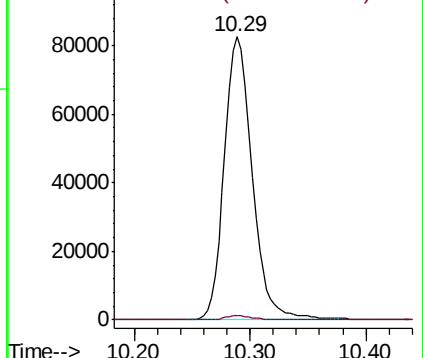
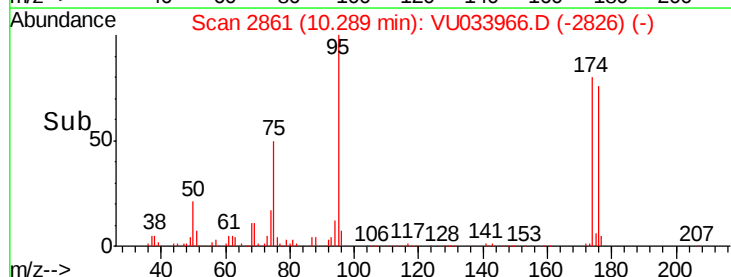
Lab File: VU033966.D

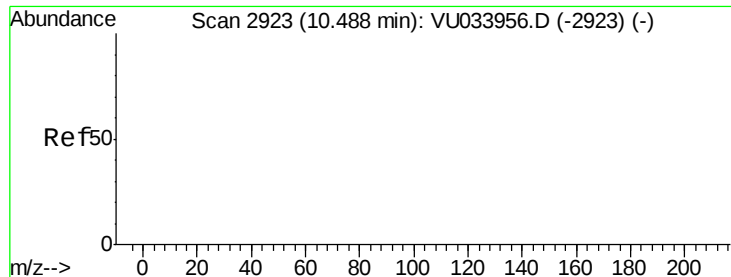
Acq: 26 Aug 2019 23:00

Tgt Ion:	75	Resp:	137581
Ion	Ratio	Lower	Upper
75	100		
77	1.4	20.1	60.3#



Abundance Ion 74.90 (74.60 to 75.60): VU033966.D (-2826) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 59.650 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.20 min

Lab File: VU033966.D

Acq: 26 Aug 2019 23:00

Instrument :

MSVOA_U

ClientSampleId :

TRIP

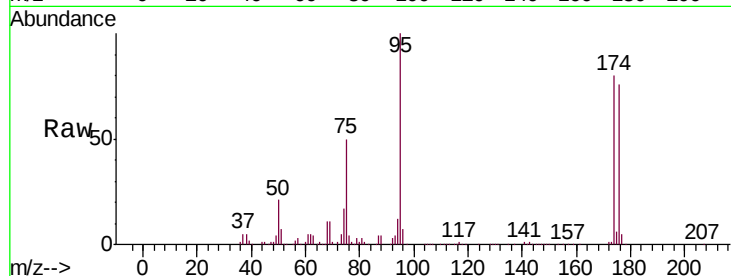
Tgt Ion: 75 Resp: 137581

Ion Ratio Lower Upper

75 100

53 0.1 0.0 0.0#

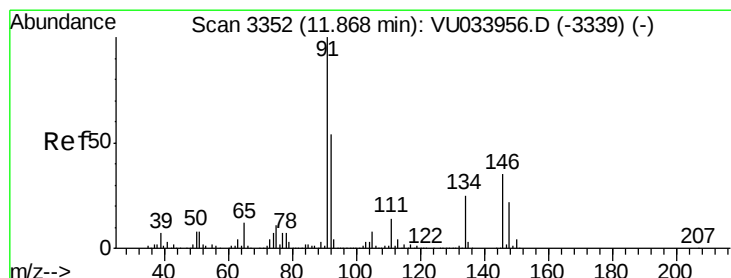
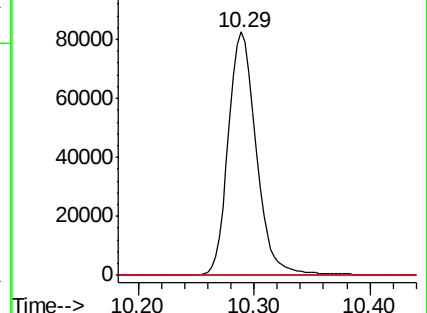
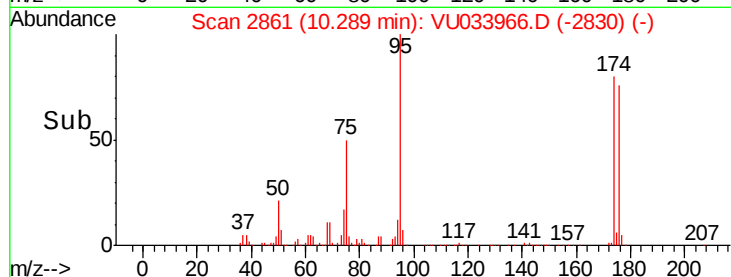
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU033966.D (-2861) (-)

Ion 53.00 (52.70 to 53.70): VU033966.D (-2861) (-)

Ion 88.90 (88.60 to 89.60): VU033966.D (-2861) (-)



#89

n-Butylbenzene

Concen: 2.691 ug/l

RT: 11.89 min Scan# 3358

Delta R.T. 0.02 min

Lab File: VU033966.D

Acq: 26 Aug 2019 23:00

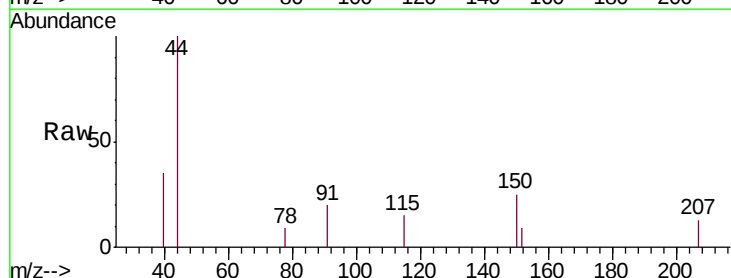
Tgt Ion: 91 Resp: 321

Ion Ratio Lower Upper

91 100

92 0.0 26.9 80.6#

134 0.0 12.6 37.6#



Abundance Ion 91.00 (90.70 to 91.70): VU033966.D (-3358) (-)

Ion 92.00 (91.70 to 92.70): VU033966.D (-3358) (-)

Ion 134.00 (133.70 to 134.70): VU033966.D (-3358) (-)

