

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
 Data File : VU034360.D
 Acq On : 07 Sep 2019 03:23
 Operator : JC/SP
 Sample : K4725-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0265

Quant Time: Sep 07 04:16:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	297539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	440845	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	439808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	267338	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	225020	49.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.96%	
35) Dibromofluoromethane	4.86	113	202537	49.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.74%	
50) Toluene-d8	7.55	98	760192	49.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.66%	
62) 4-Bromofluorobenzene	10.29	95	278706	46.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.68%	

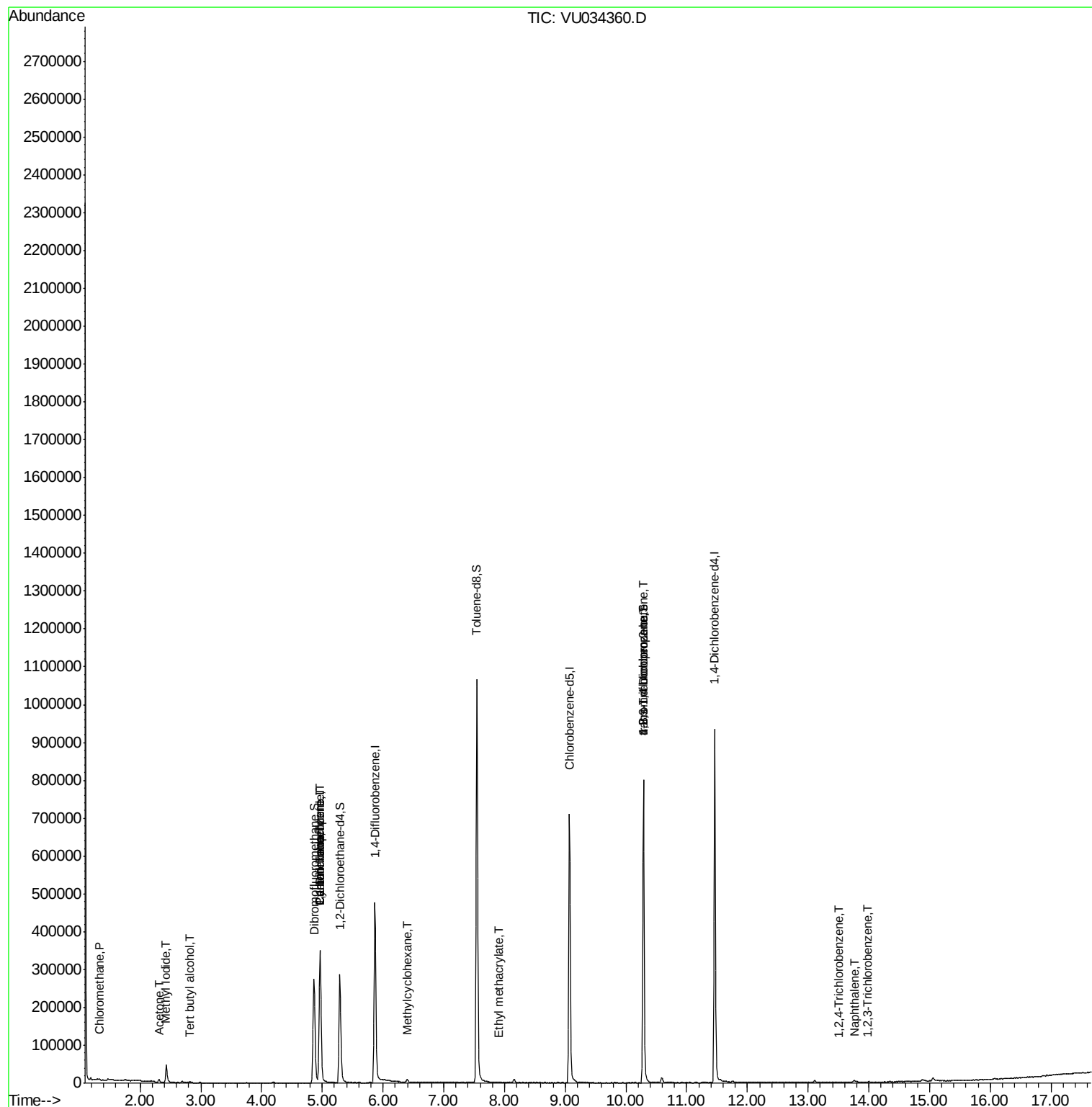
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1547	0.375	ug/l	95
5) Bromomethane	1.63	94	641	Below Cal	#	74
6) Chloroethane	1.69	64	207	Below Cal	#	43
10) Methyl Iodide	2.41	142	291	3.932	ug/l #	43
11) Tert butyl alcohol	2.82	59	3108	3.268	ug/l #	73
16) Acetone	2.31	43	8178	3.510	ug/l	99
31) Cyclohexane	4.97	56	5764	1.093	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	19529	4.085	ug/l #	48
38) Carbon Tetrachloride	4.96	117	25666	5.028	ug/l #	16
39) Methylcyclohexane	6.40	83	2960	0.579	ug/l	96
56) Ethyl methacrylate	7.90	69	68	3.086	ug/l #	1
76) 1,2,3-Trichloropropane	10.29	75	129977	22.273	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	129977	74.904	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.52	180	87	3.464	ug/l #	83
95) Naphthalene	13.76	128	6082	4.280	ug/l	96
96) 1,2,3-Trichlorobenzene	13.97	180	84	2.652	ug/l #	12

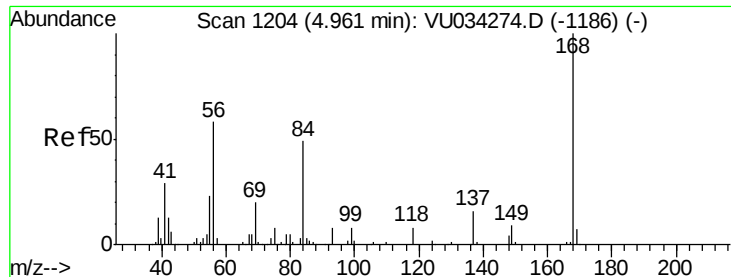
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
Data File : VU034360.D
Acq On : 07 Sep 2019 03:23
Operator : JC/SP
Sample : K4725-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
S13-0265

Quant Time: Sep 07 04:16:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034360.D

Acq: 07 Sep 2019 03:23

Instrument :

MSVOA_U

ClientSampleId :

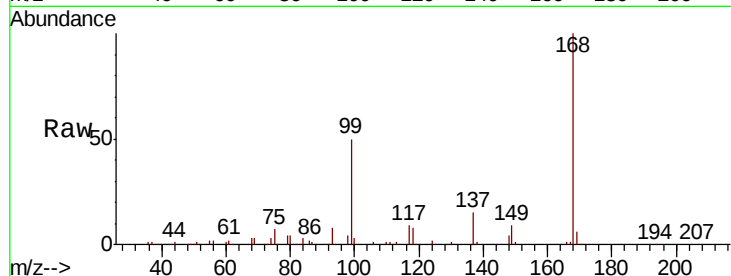
S13-0265

Tgt Ion:168 Resp: 297539

Ion Ratio Lower Upper

168 100

99 49.5 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034360.D (-1111) (-)

Ion 98.90 (98.60 to 99.60): VU034360.D (-1111) (-)

4.96

150000

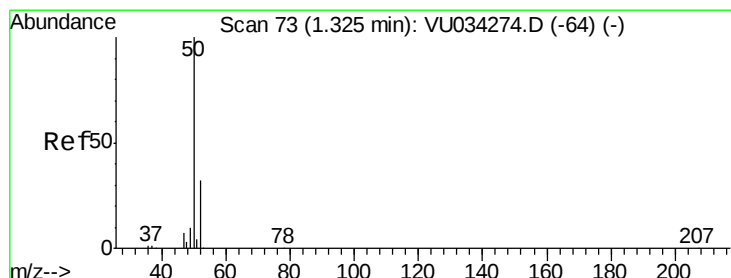
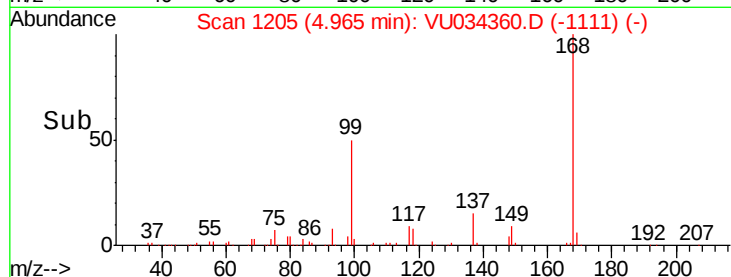
100000

50000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 0.375 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034360.D

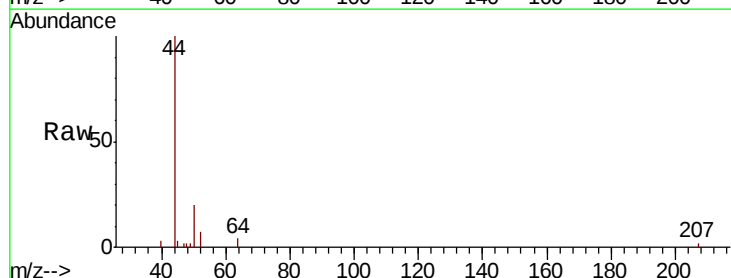
Acq: 07 Sep 2019 03:23

Tgt Ion: 50 Resp: 1547

Ion Ratio Lower Upper

50 100

52 34.8 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VU034360.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU034360.D (-1) (-)

1.32

1500

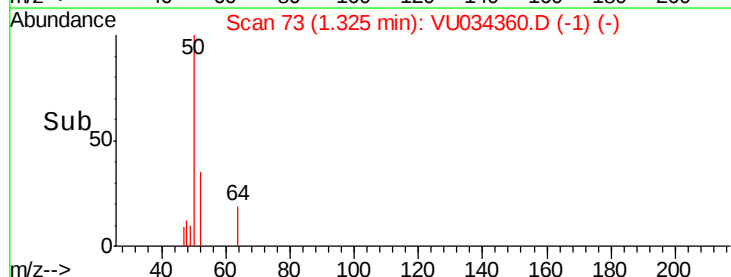
1000

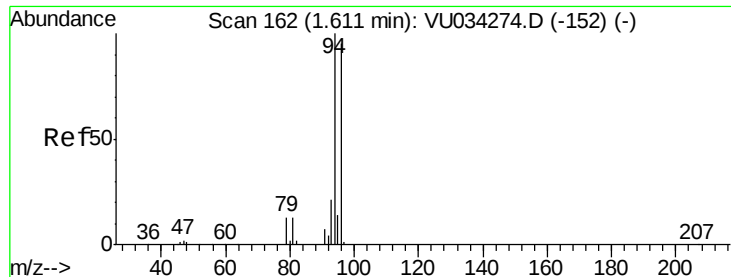
500

0

1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 169

Delta R.T. 0.02 min

Lab File: VU034360.D

Acq: 07 Sep 2019 03:23

Instrument :

MSVOA_U

ClientSampleId :

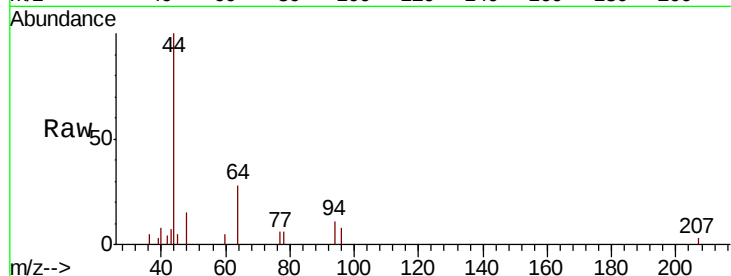
S13-0265

Tgt Ion: 94 Resp: 641

Ion Ratio Lower Upper

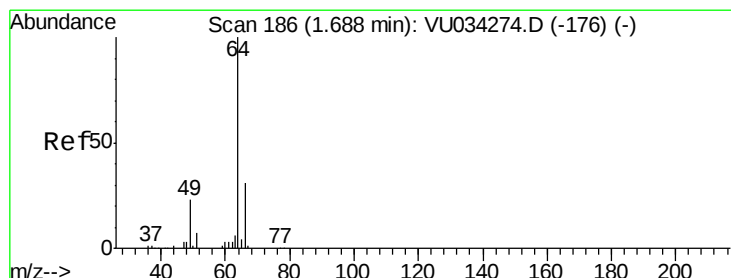
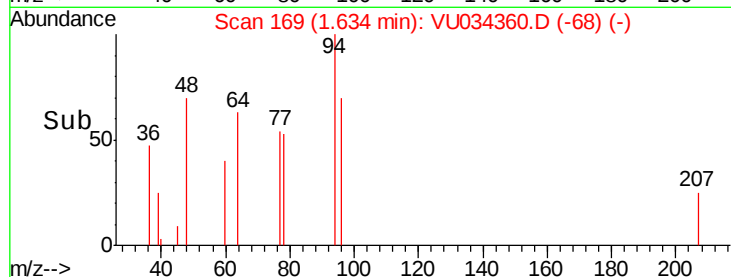
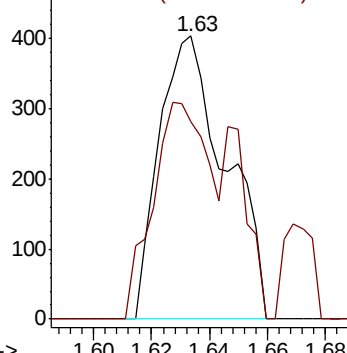
94 100

96 69.7 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 188

Delta R.T. 0.01 min

Lab File: VU034360.D

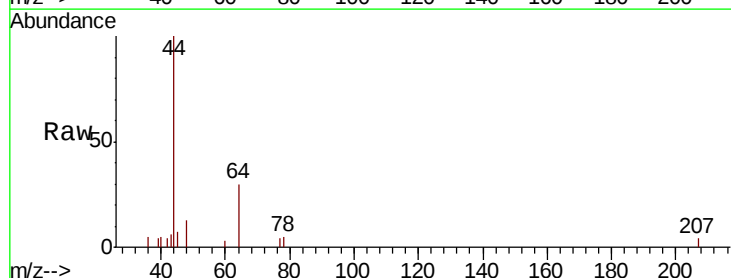
Acq: 07 Sep 2019 03:23

Tgt Ion: 64 Resp: 207

Ion Ratio Lower Upper

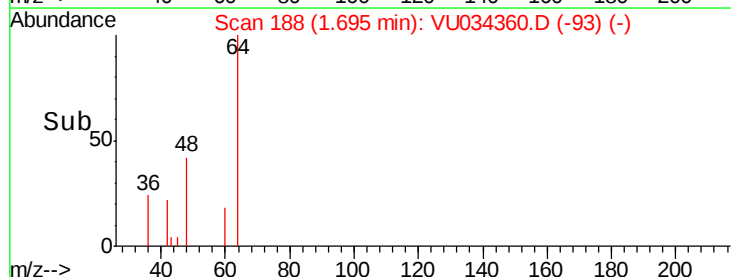
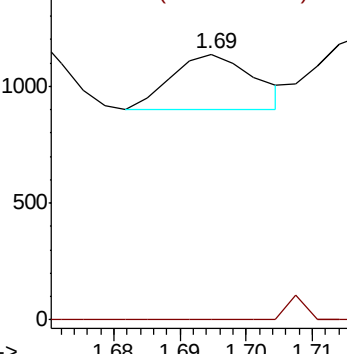
64 100

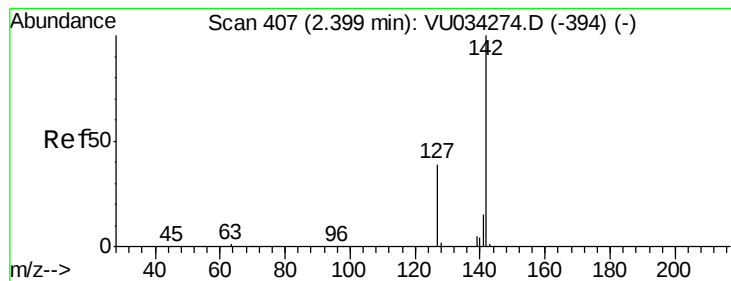
66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#10

Methyl Iodide

Concen: 3.932 ug/l

RT: 2.41 min Scan# 412

Delta R.T. 0.02 min

Lab File: VU034360.D

Acq: 07 Sep 2019 03:23

Instrument :

MSVOA_U

ClientSampleId :

S13-0265

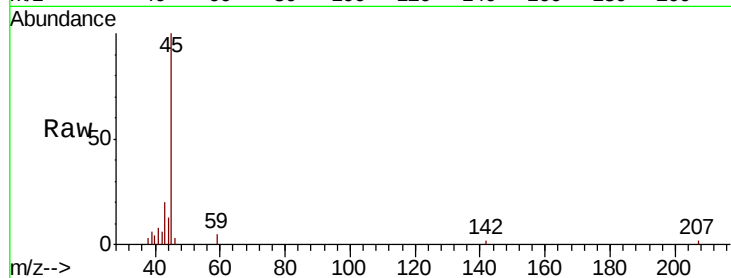
Tgt Ion: 142 Resp: 291

Ion Ratio Lower Upper

142 100

127 0.0 32.1 48.1#

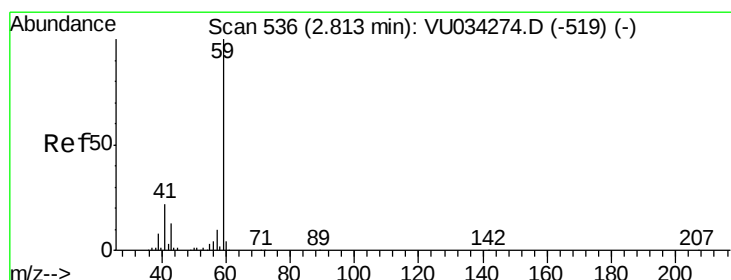
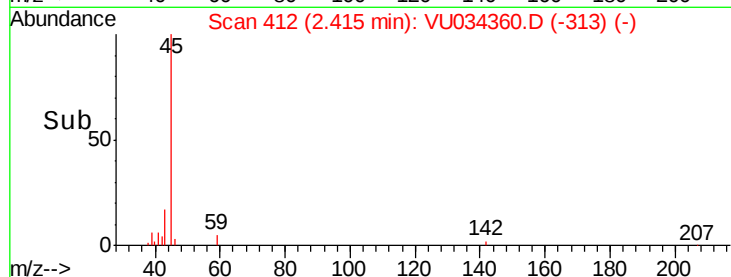
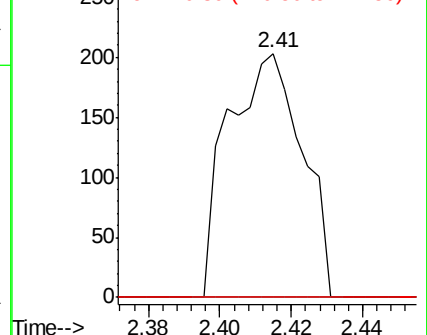
141 0.0 11.5 17.3#



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



#11

Tert butyl alcohol

Concen: 3.268 ug/l

RT: 2.82 min Scan# 537

Delta R.T. 0.00 min

Lab File: VU034360.D

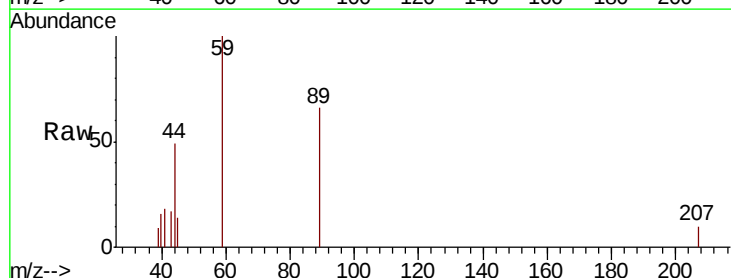
Acq: 07 Sep 2019 03:23

Tgt Ion: 59 Resp: 3108

Ion Ratio Lower Upper

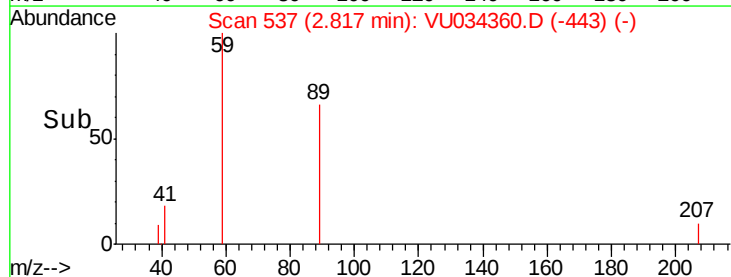
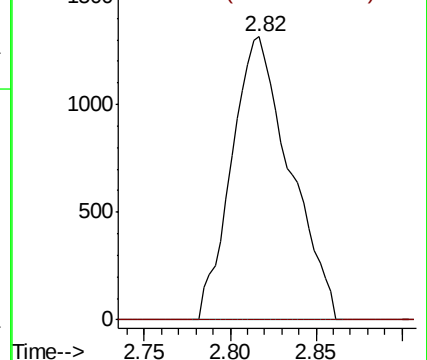
59 100

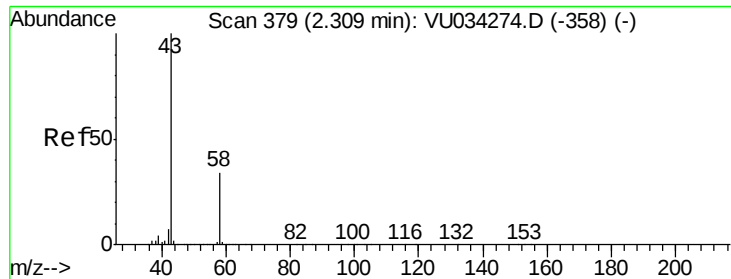
57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#16

Acetone

Concen: 3.510 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034360.D

Acq: 07 Sep 2019 03:23

Instrument :

MSVOA_U

ClientSampleId :

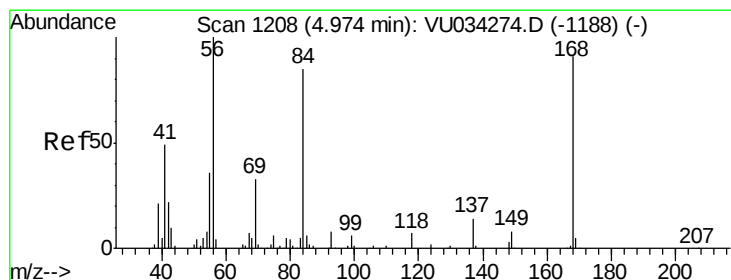
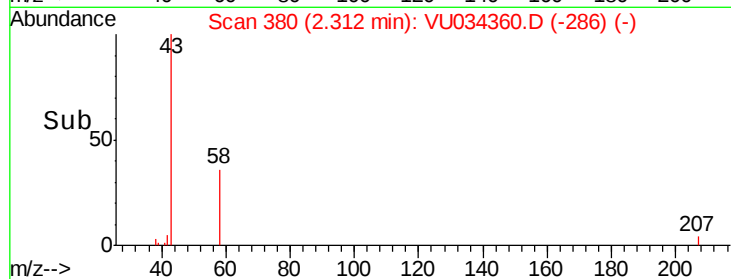
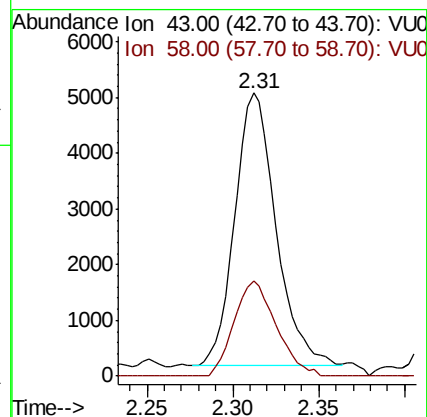
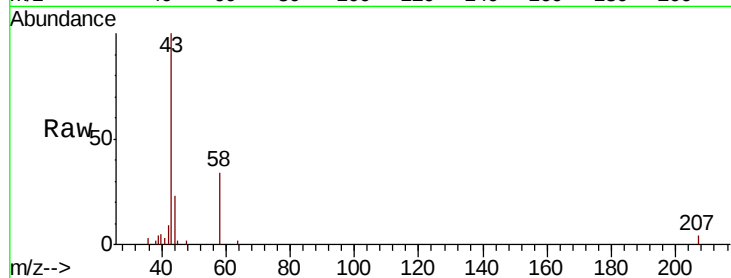
S13-0265

Tgt Ion: 43 Resp: 8178

Ion Ratio Lower Upper

43 100

58 35.0 27.6 41.4



#31

Cyclohexane

Concen: 1.093 ug/l

RT: 4.97 min Scan# 1206

Delta R.T. -0.01 min

Lab File: VU034360.D

Acq: 07 Sep 2019 03:23

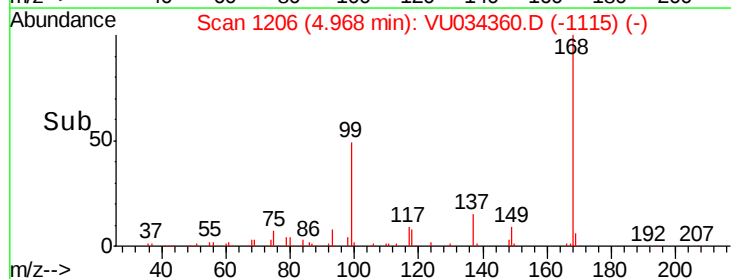
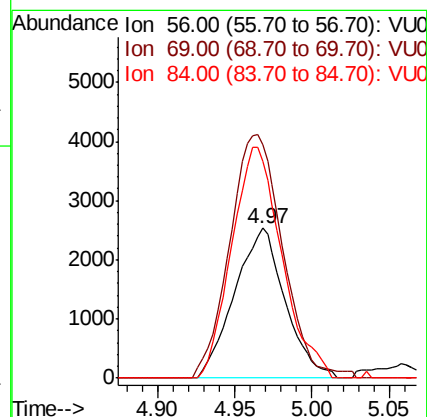
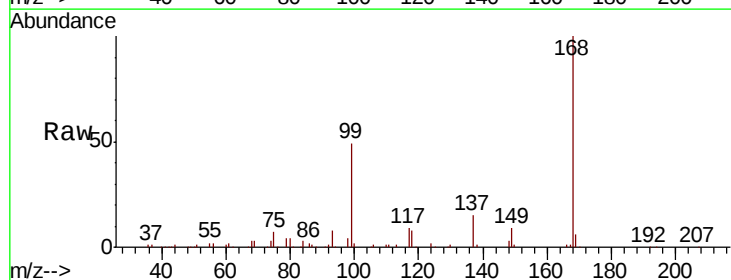
Tgt Ion: 56 Resp: 5764

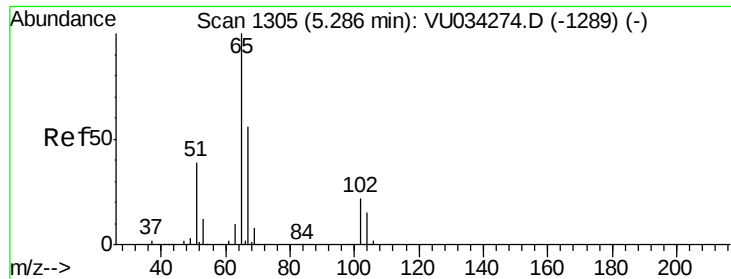
Ion Ratio Lower Upper

56 100

69 156.1 26.7 40.1#

84 144.4 68.2 102.4#

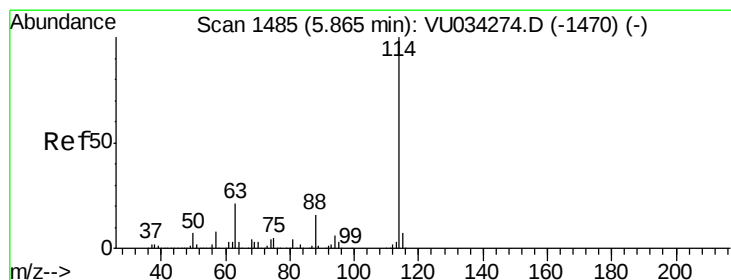
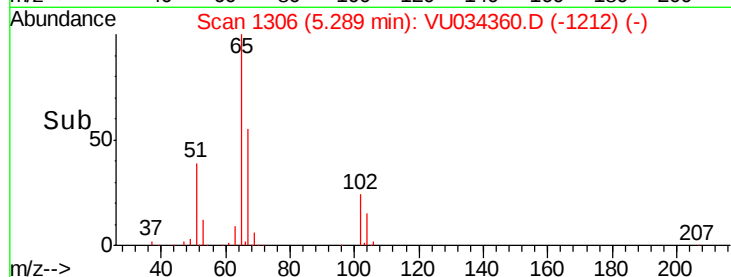
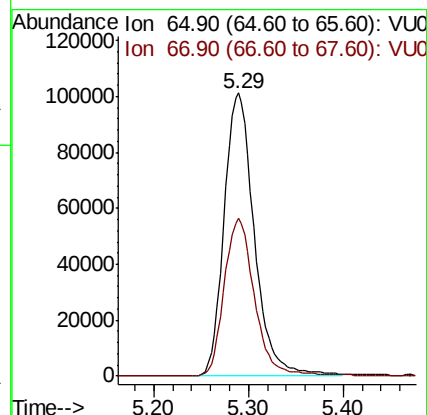
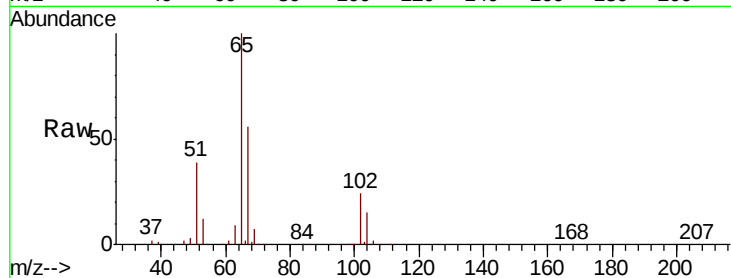




#33
 1,2-Dichloroethane-d4
 Concen: 49.984 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034360.D
 Acq: 07 Sep 2019 03:23

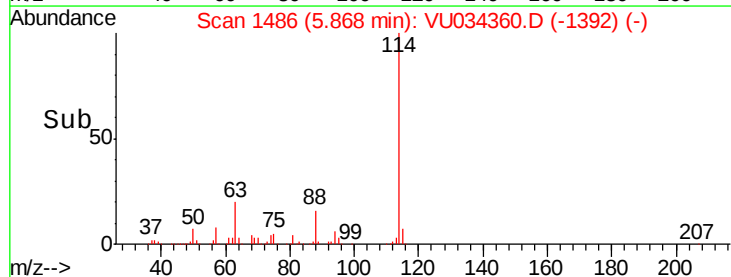
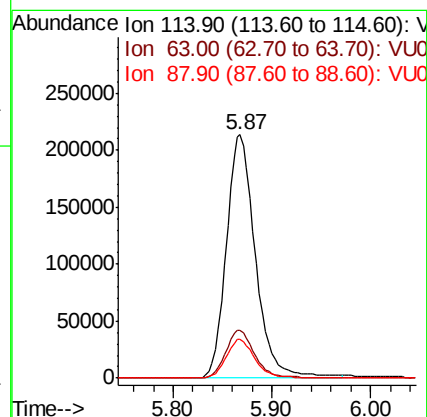
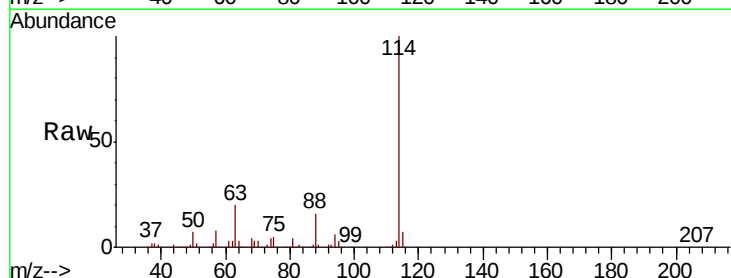
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0265

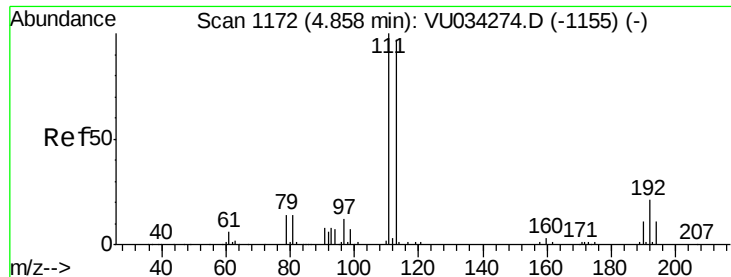
Tgt Ion: 65 Resp: 225020
 Ion Ratio Lower Upper
 65 100
 67 56.1 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034360.D
 Acq: 07 Sep 2019 03:23

Tgt Ion: 114 Resp: 440845
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.4
 88 15.7 0.0 32.4

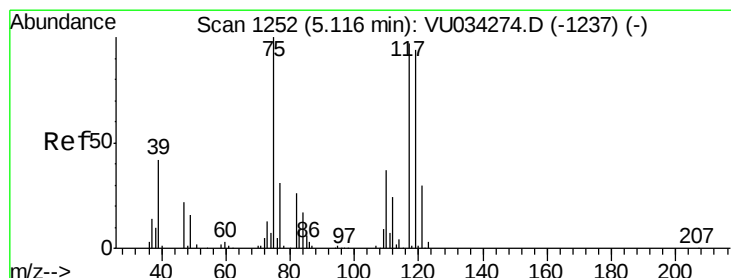
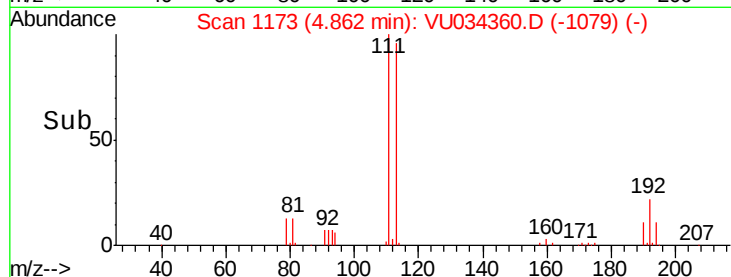
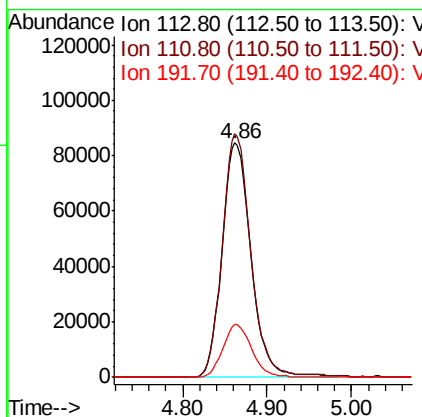
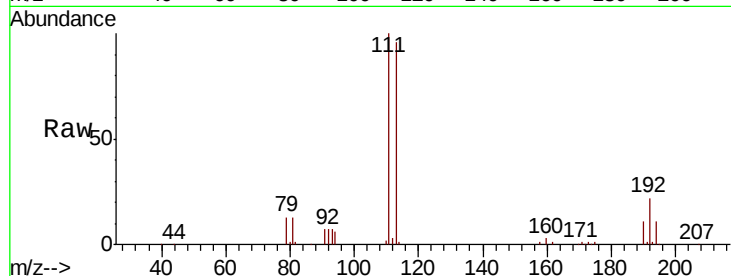




#35
 Dibromofluoromethane
 Concen: 49.374 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034360.D
 Acq: 07 Sep 2019 03:23

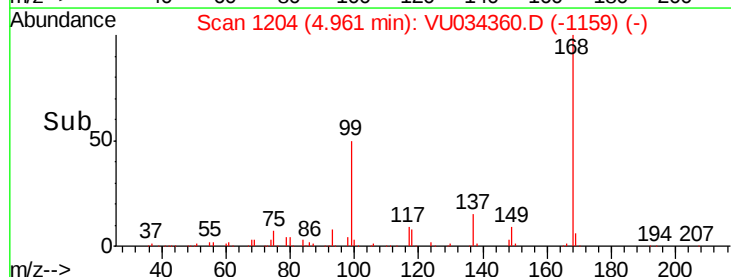
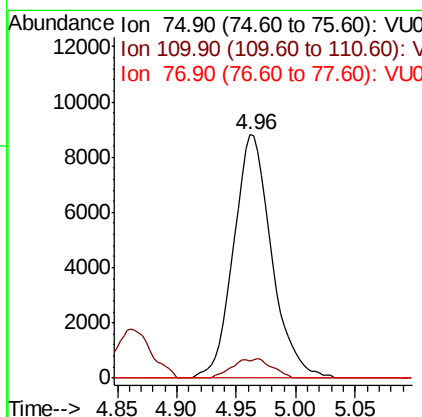
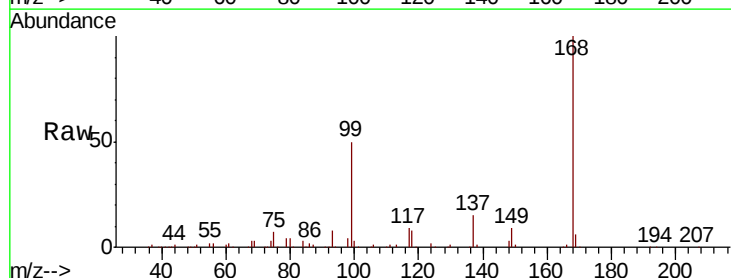
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0265

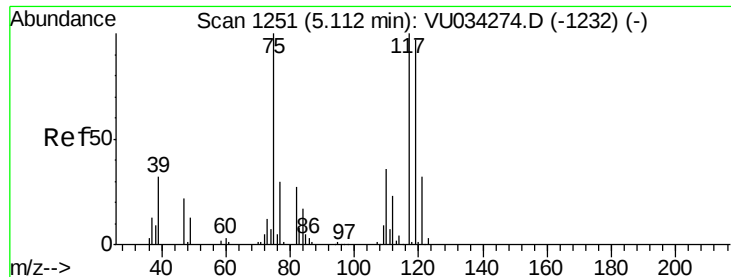
Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.5	122.3
192	22.5	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 4.085 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034360.D
 Acq: 07 Sep 2019 03:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.3	54.9#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.028 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034360.D

Acq: 07 Sep 2019 03:23

Instrument :

MSVOA_U

ClientSampleId :

S13-0265

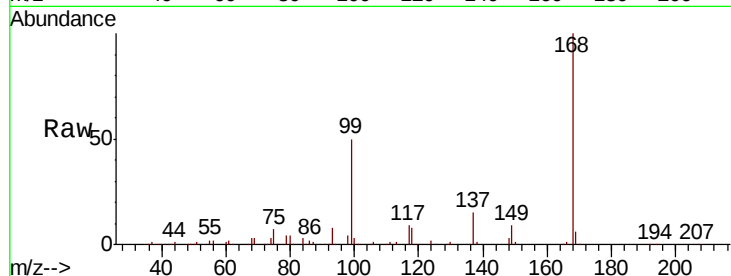
Tgt Ion:117 Resp: 25666

Ion Ratio Lower Upper

117 100

119 5.4 77.8 116.6#

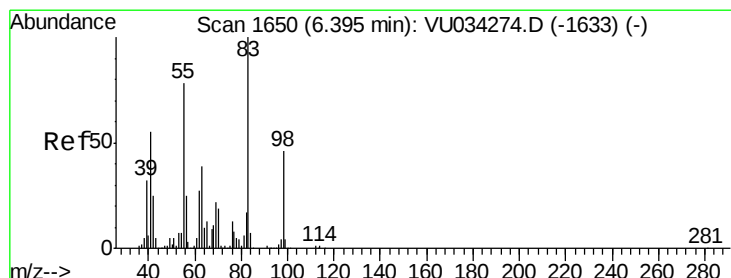
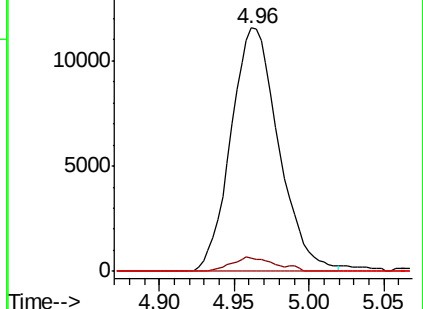
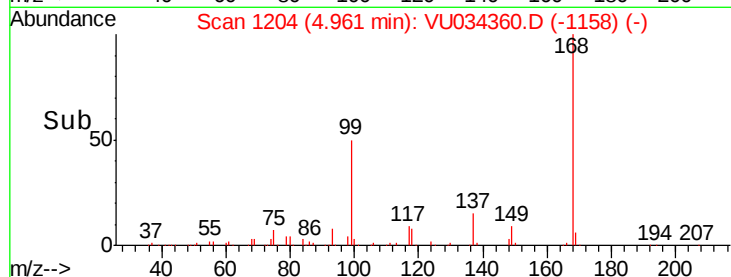
121 0.0 25.2 37.8#



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



#39

Methylcyclohexane

Concen: 0.579 ug/l

RT: 6.40 min Scan# 1651

Delta R.T. 0.00 min

Lab File: VU034360.D

Acq: 07 Sep 2019 03:23

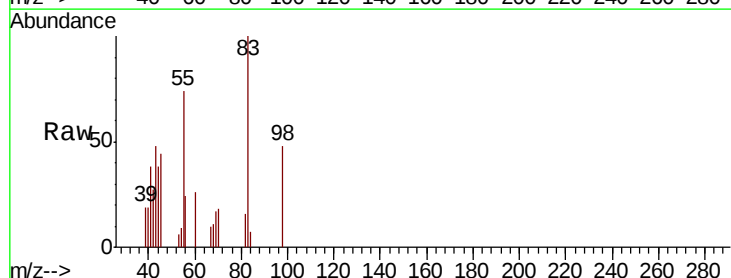
Tgt Ion: 83 Resp: 2960

Ion Ratio Lower Upper

83 100

55 73.9 62.1 93.1

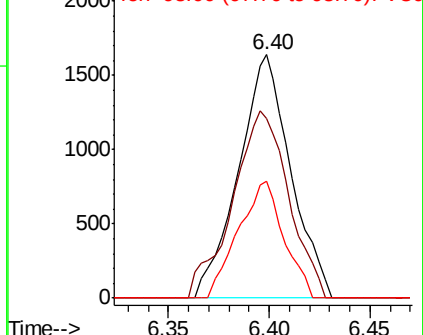
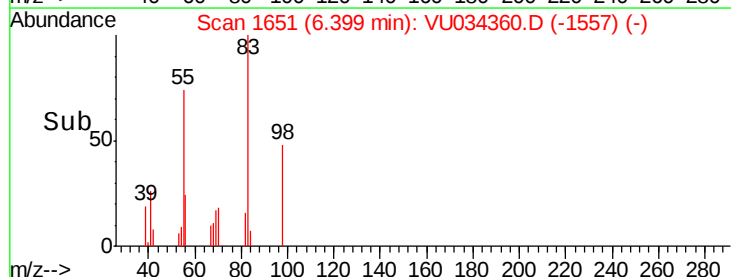
98 48.0 37.0 55.6

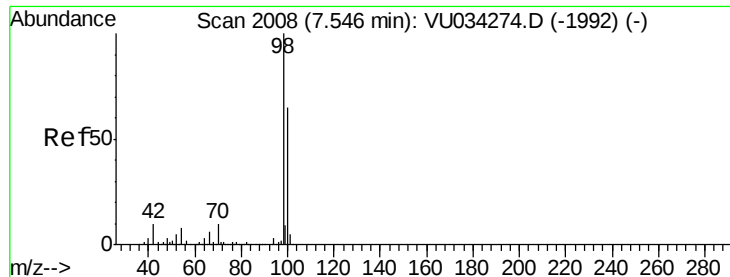


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

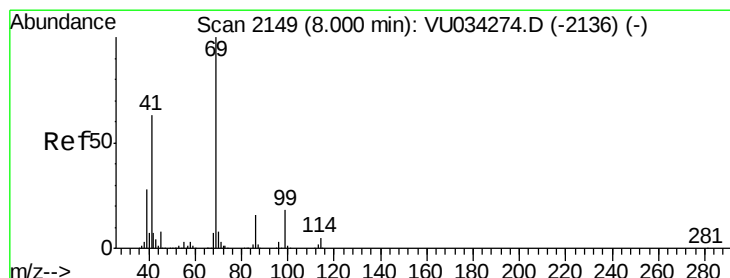
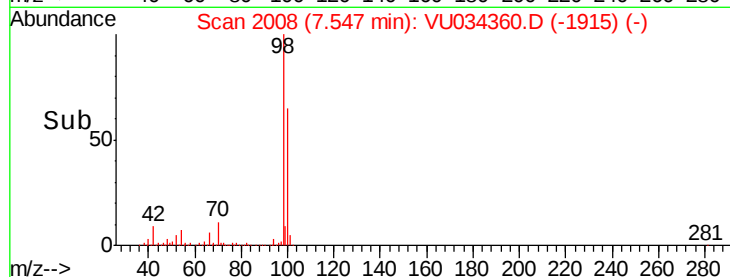
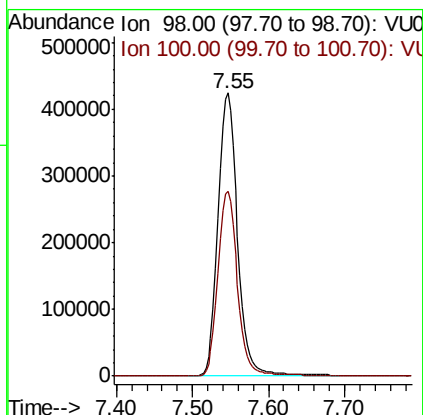
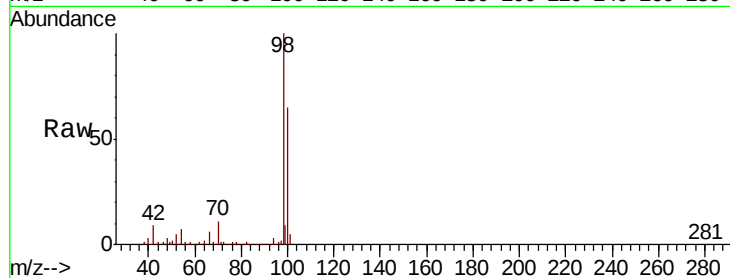




#50
Toluene-d8
Concen: 49.326 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034360.D
Acq: 07 Sep 2019 03:23

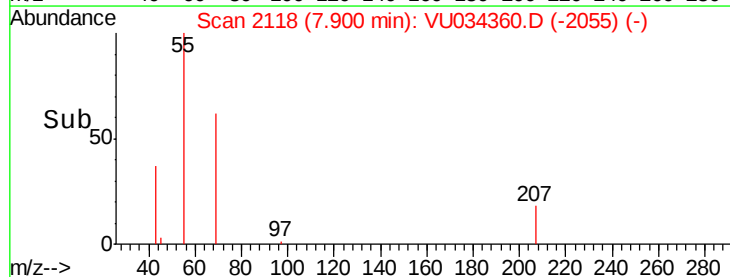
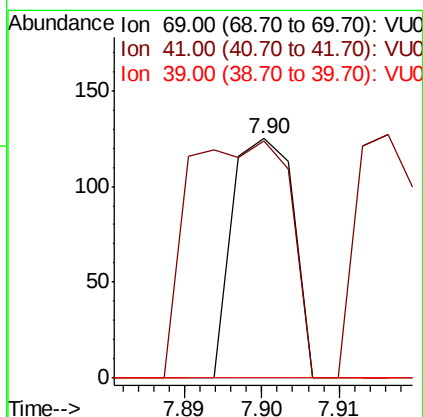
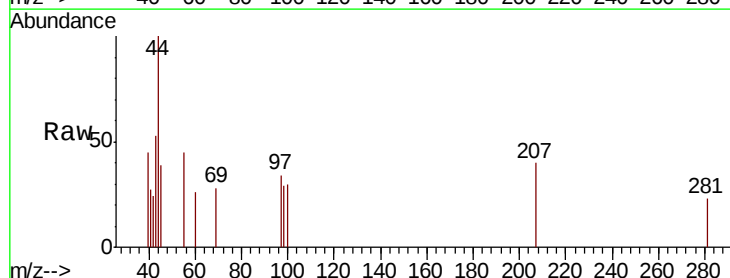
Instrument :
MSVOA_U
ClientSampleId :
S13-0265

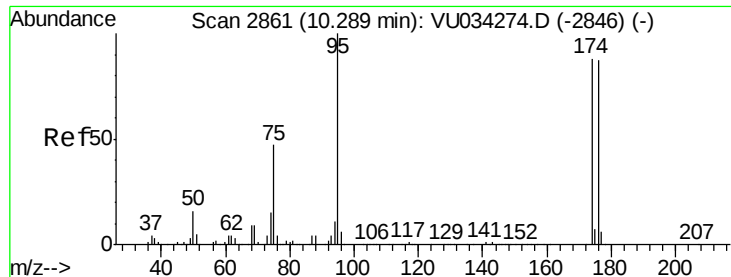
Tgt Ion: 98 Resp: 760192
Ion Ratio Lower Upper
98 100
100 65.5 51.7 77.5



#56
Ethyl methacrylate
Concen: 3.086 ug/l
RT: 7.90 min Scan# 2118
Delta R.T. -0.10 min
Lab File: VU034360.D
Acq: 07 Sep 2019 03:23

Tgt Ion: 69 Resp: 68
Ion Ratio Lower Upper
69 100
41 166.2 49.5 74.3#
39 0.0 22.5 33.7#

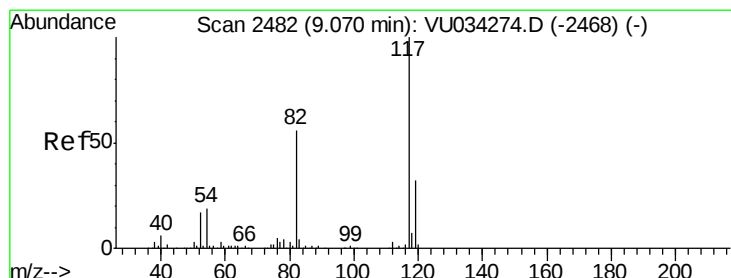
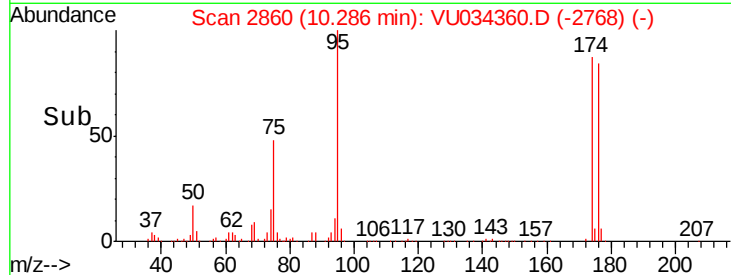
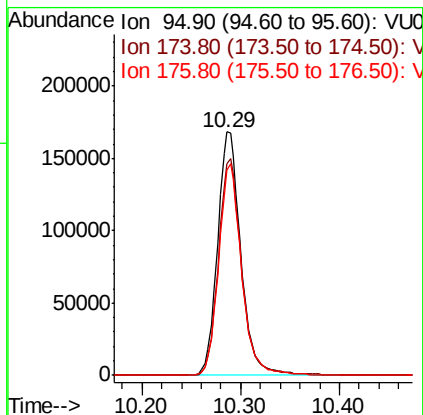
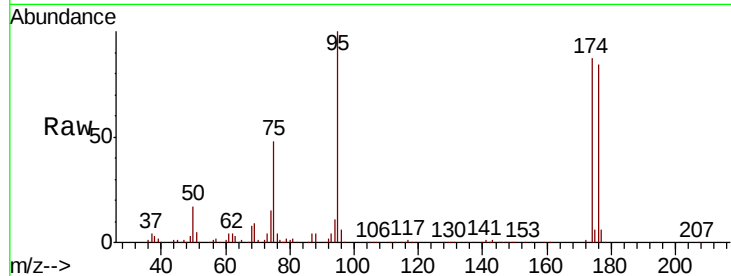




#62
4-Bromofluorobenzene
Concen: 46.839 ug/l
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VU034360.D
Acq: 07 Sep 2019 03:23

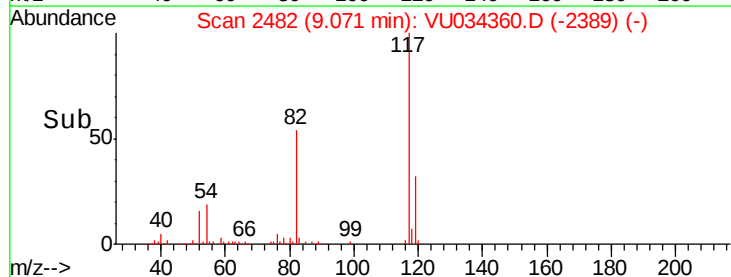
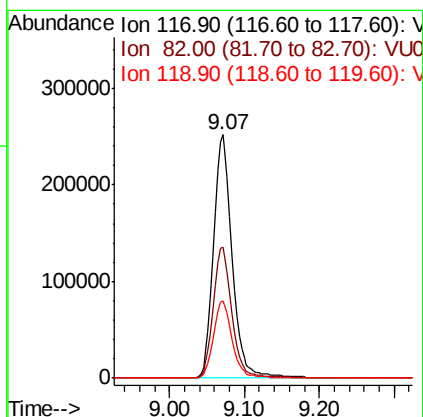
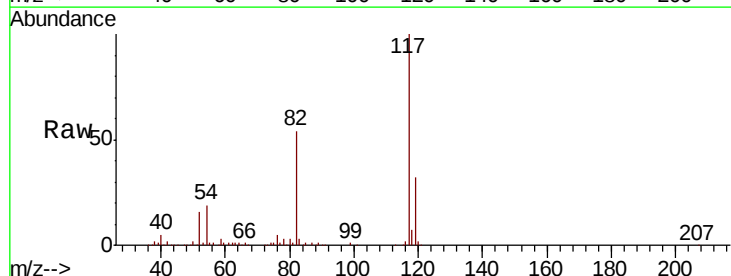
Instrument :
MSVOA_U
ClientSampleId :
S13-0265

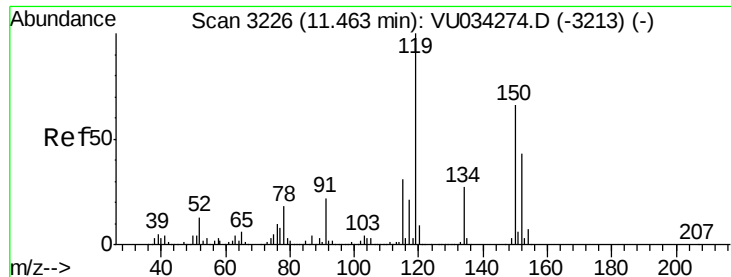
Tgt Ion: 95 Resp: 278706
Ion Ratio Lower Upper
95 100
174 88.6 0.0 175.2
176 85.4 0.0 168.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034360.D
Acq: 07 Sep 2019 03:23

Tgt Ion: 117 Resp: 439808
Ion Ratio Lower Upper
117 100
82 54.0 44.6 67.0
119 32.0 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VU034360.D

Acq: 07 Sep 2019 03:23

Instrument :

MSVOA_U

ClientSampleId :

S13-0265

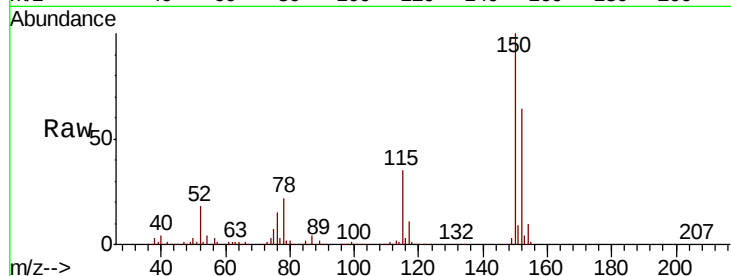
Tgt Ion:152 Resp: 267338

Ion Ratio Lower Upper

152 100

115 55.3 39.1 117.3

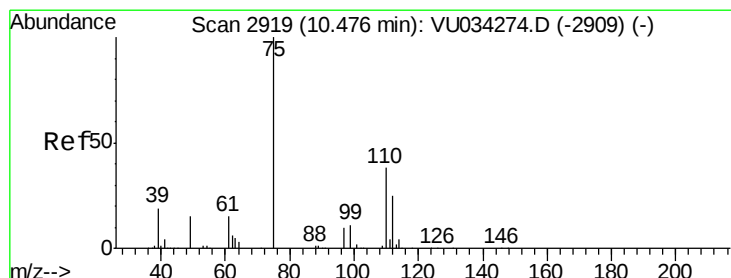
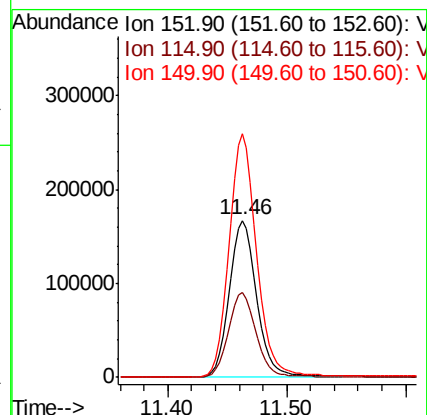
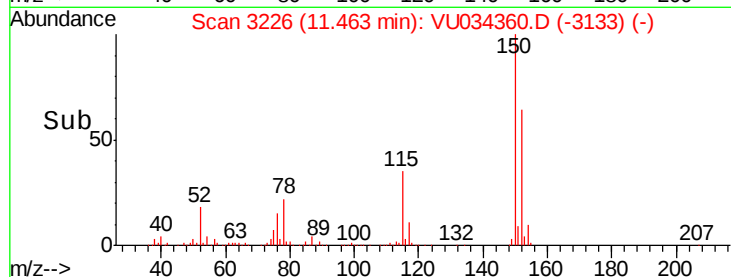
150 156.1 0.0 345.4



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: 22.273 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.19 min

Lab File: VU034360.D

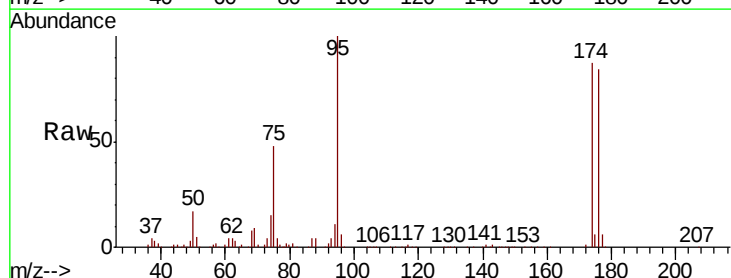
Acq: 07 Sep 2019 03:23

Tgt Ion: 75 Resp: 129977

Ion Ratio Lower Upper

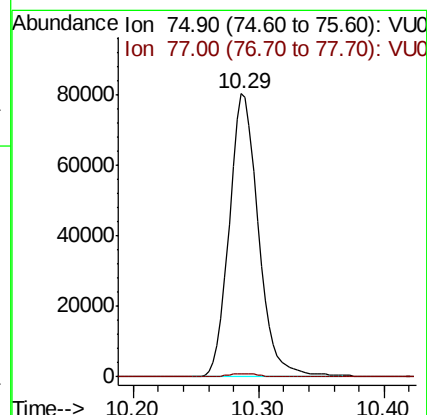
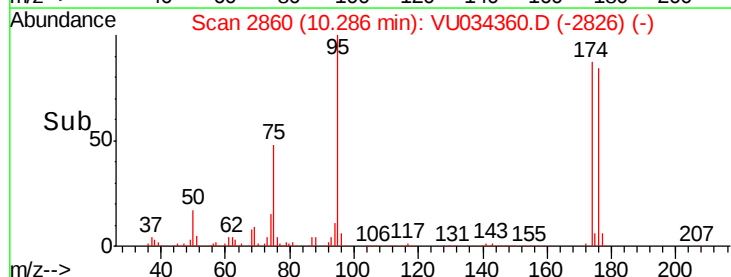
75 100

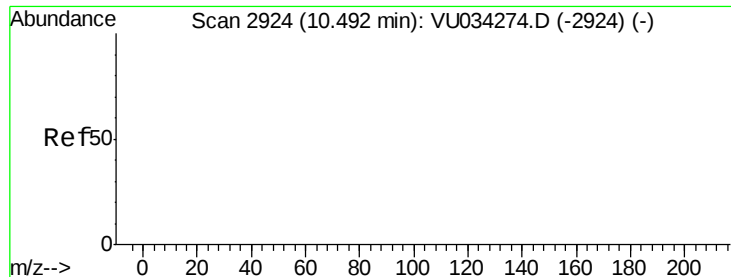
77 1.2 20.8 62.2#



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: 74.904 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.21 min

Lab File: VU034360.D

Acq: 07 Sep 2019 03:23

Instrument :

MSVOA_U

ClientSampleId :

S13-0265

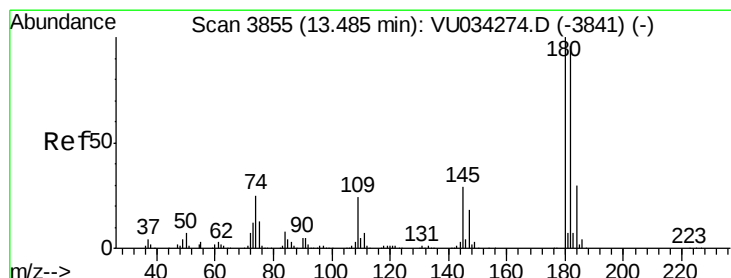
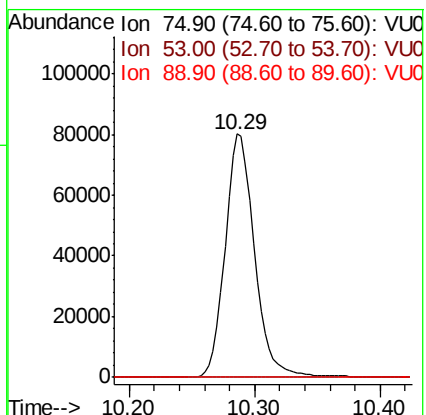
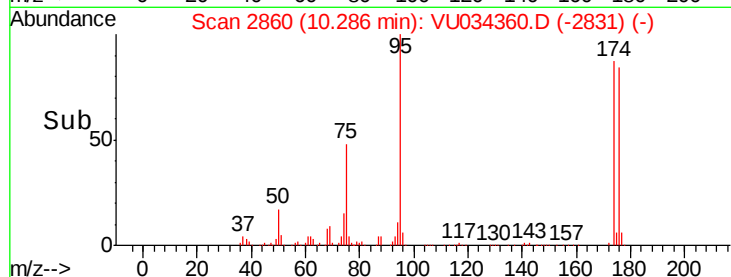
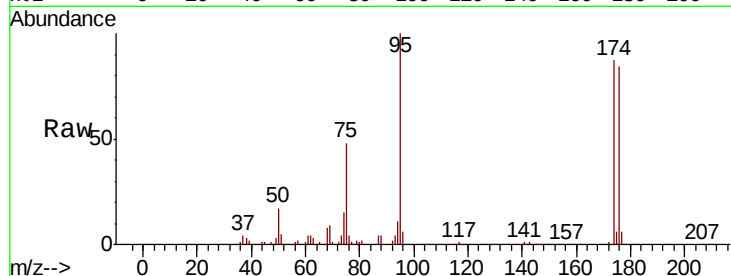
Tgt Ion: 75 Resp: 129977

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#93

1,2,4-Trichlorobenzene

Concen: 3.464 ug/l

RT: 13.52 min Scan# 3865

Delta R.T. 0.03 min

Lab File: VU034360.D

Acq: 07 Sep 2019 03:23

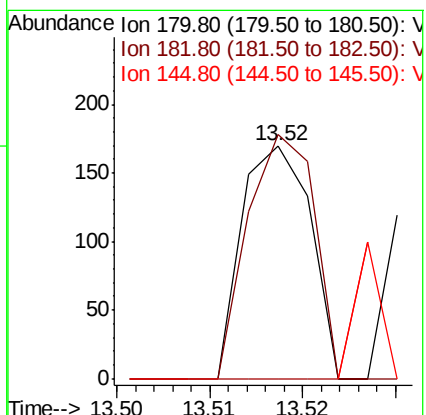
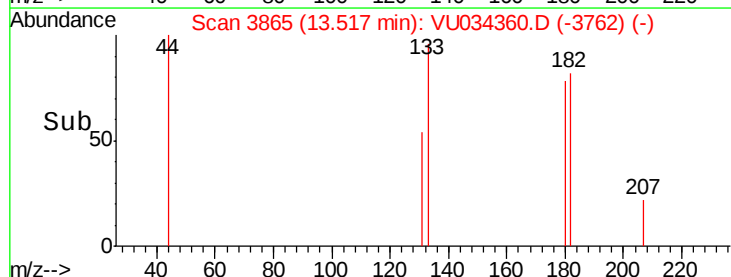
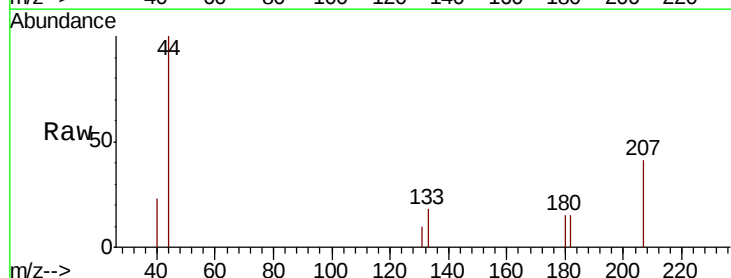
Tgt Ion: 180 Resp: 87

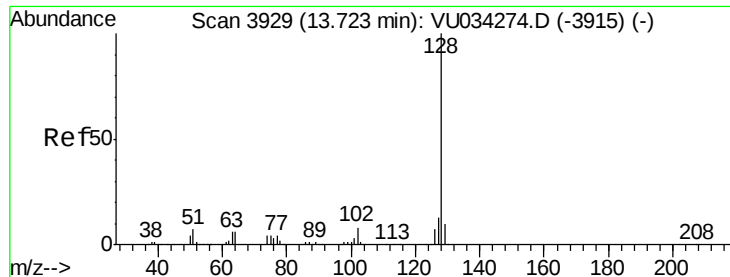
Ion Ratio Lower Upper

180 100

182 101.1 47.9 143.8

145 0.0 14.4 43.0#





#95

Naphthalene

Concen: 4.280 ug/l

RT: 13.76 min Scan# 3939

Delta R.T. 0.03 min

Lab File: VU034360.D

Acq: 07 Sep 2019 03:23

Instrument :

MSVOA_U

ClientSampleId :

S13-0265

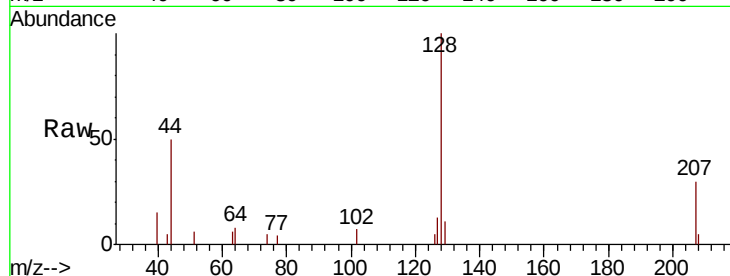
Tgt Ion:128 Resp: 6082

Ion Ratio Lower Upper

128 100

127 15.7 10.6 15.8

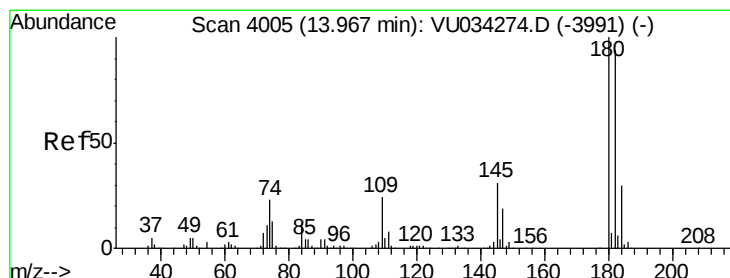
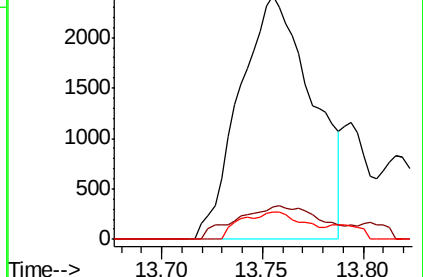
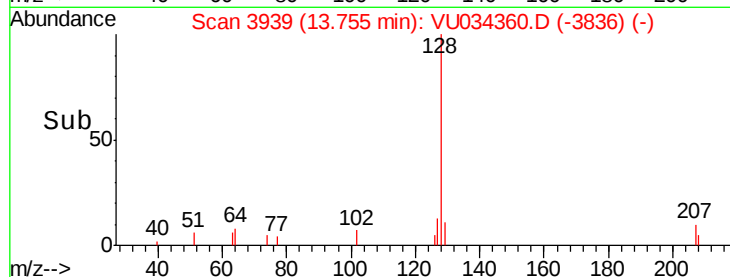
129 9.8 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.652 ug/l

RT: 13.97 min Scan# 4007

Delta R.T. 0.01 min

Lab File: VU034360.D

Acq: 07 Sep 2019 03:23

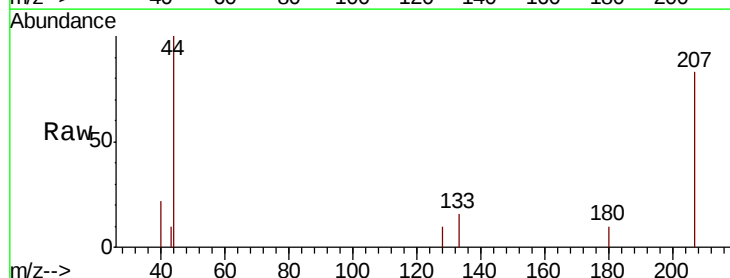
Tgt Ion:180 Resp: 84

Ion Ratio Lower Upper

180 100

182 0.0 48.4 145.0#

145 0.0 15.4 46.4#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

