

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090519\
 Data File : VU034261.D
 Acq On : 04 Sep 2019 16:31
 Operator : JC/SP
 Sample : K4547-32
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 T7-S-G1-(2.5)

Quant Time: Sep 05 03:39:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	436953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	692658	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	693461	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	334949	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	267117	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
35) Dibromofluoromethane	4.86	113	226279	47.10	ug/l	0.00
Spiked Amount			Recovery	=	94.20%	
50) Toluene-d8	7.55	98	896649	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
62) 4-Bromofluorobenzene	10.29	95	312722	44.69	ug/l	0.00
Spiked Amount			Recovery	=	89.38%	

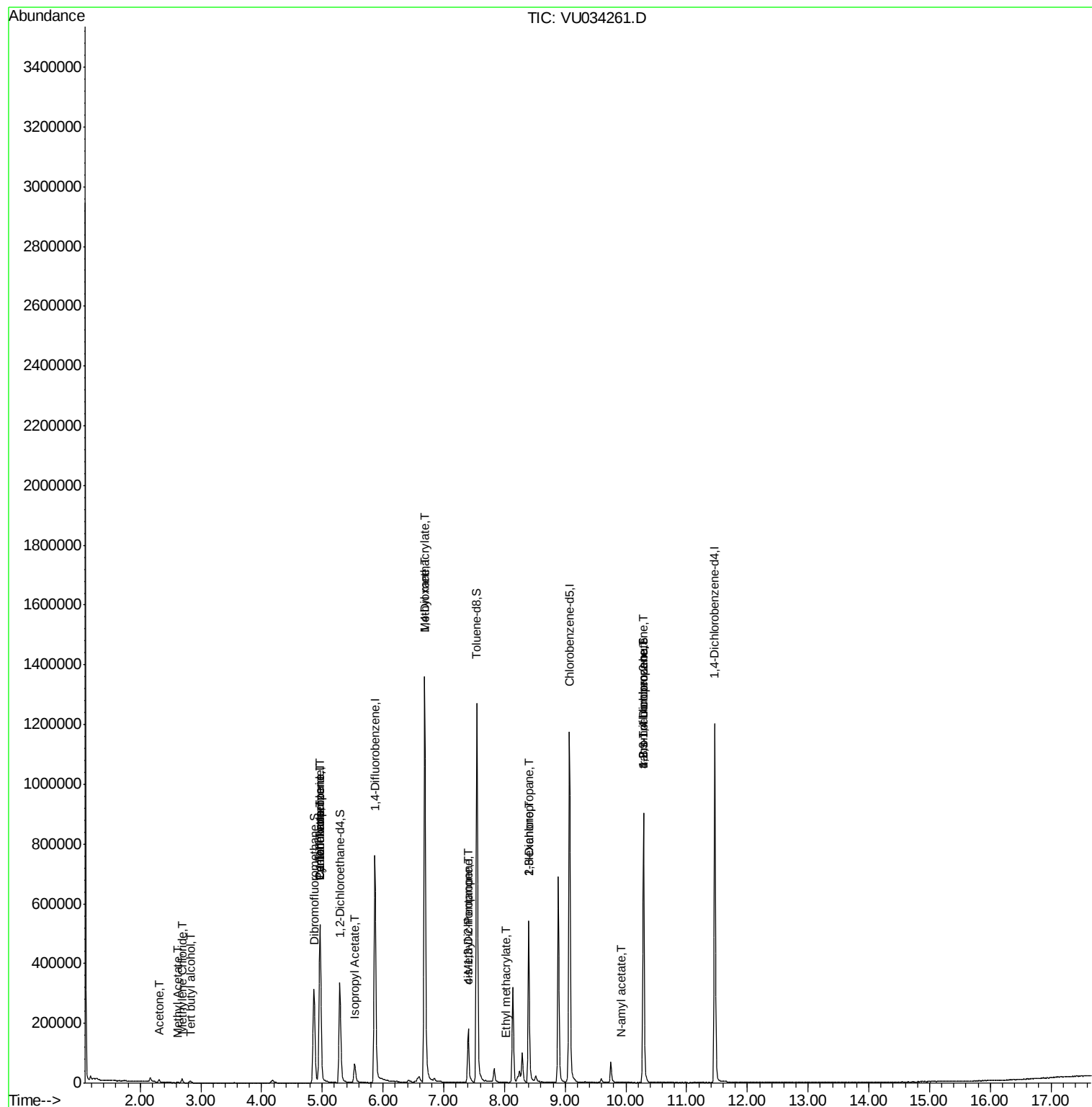
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	493	Below Cal	#	85
5) Bromomethane	1.63	94	398	Below Cal		84
11) Tert butyl alcohol	2.82	59	4268	3.306	ug/l #	73
16) Acetone	2.31	43	10123	3.543	ug/l	95
18) Methyl Acetate	2.61	43	3621	0.490	ug/l #	84
20) Methylene Chloride	2.69	84	5878	1.087	ug/l	96
31) Cyclohexane	4.96	56	7479	0.895	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	30432	4.645	ug/l #	48
38) Carbon Tetrachloride	4.96	117	38805	6.136	ug/l #	16
43) Isopropyl Acetate	5.53	43	76310	6.837	ug/l	100
48) Methyl methacrylate	6.68	41	120683	22.406	ug/l #	40
49) 1,4-Dioxane	6.69	88	232	1.719	ug/l #	1
51) 4-Methyl-2-Pentanone	7.40	43	63205	8.200	ug/l #	47
54) cis-1,3-Dichloropropene	7.40	75	33844	4.059	ug/l #	61
56) Ethyl methacrylate	8.02	69	65	0.979	ug/l #	27
57) 1,3-Dichloropropane	8.40	76	5449	0.621	ug/l #	42
59) 2-Hexanone	8.40	43	73201	12.579	ug/l #	54
74) N-amyl acetate	9.93	43	1924	0.203	ug/l #	43
76) 1,2,3-Trichloropropane	10.29	75	149030	19.741	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	149030	66.474	ug/l #	100

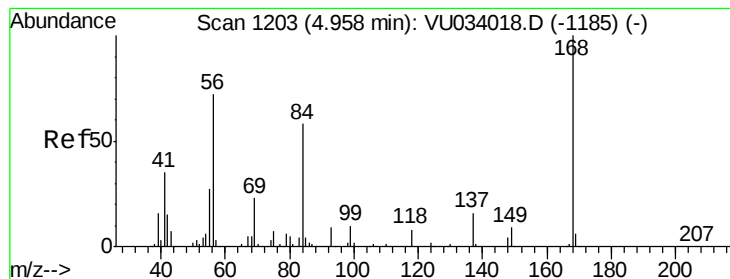
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU090519\
Data File : VU034261.D
Acq On : 04 Sep 2019 16:31
Operator : JC/SP
Sample : K4547-32
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
T7-S-G1-(2.5)

Quant Time: Sep 05 03:39:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034261.D

Acq: 04 Sep 2019 16:31

Instrument :

MSVOA_U

ClientSampleId :

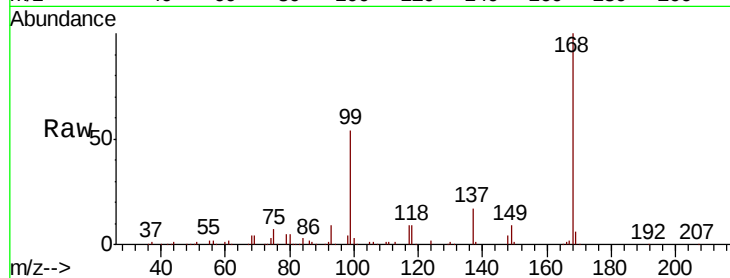
T7-S-G1-(2.5)

Tgt Ion: 168 Resp: 436953

Ion Ratio Lower Upper

168 100

99 54.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034018.D (-1185) (-)

4.96

200000

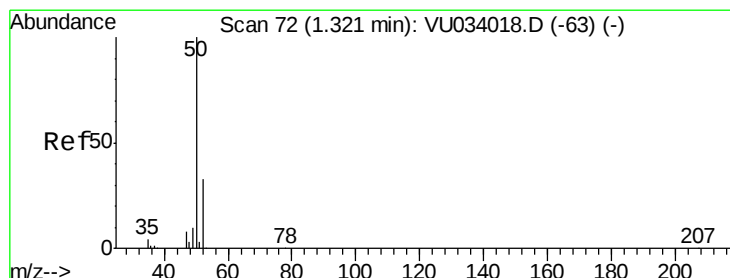
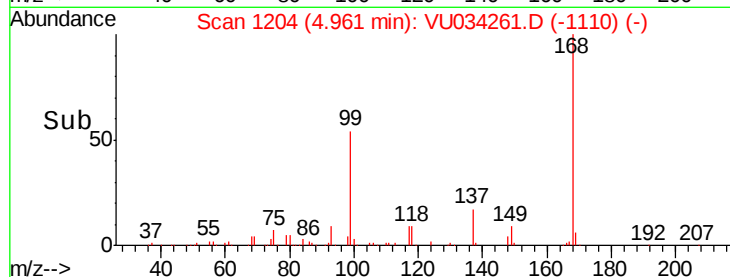
150000

100000

50000

0

Time--> 4.80 4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 74

Delta R.T. 0.01 min

Lab File: VU034261.D

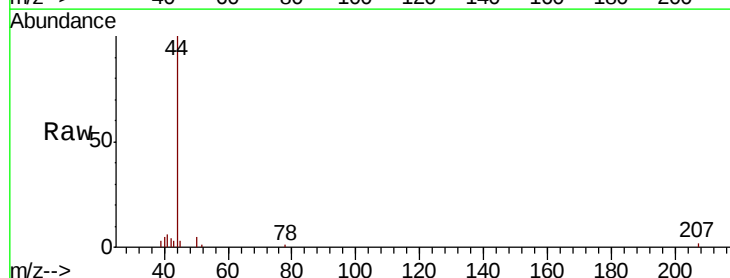
Acq: 04 Sep 2019 16:31

Tgt Ion: 50 Resp: 493

Ion Ratio Lower Upper

50 100

52 24.2 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VU034018.D (-63) (-)

Ion 51.90 (51.60 to 52.60): VU034018.D (-63) (-)

1.33

500

400

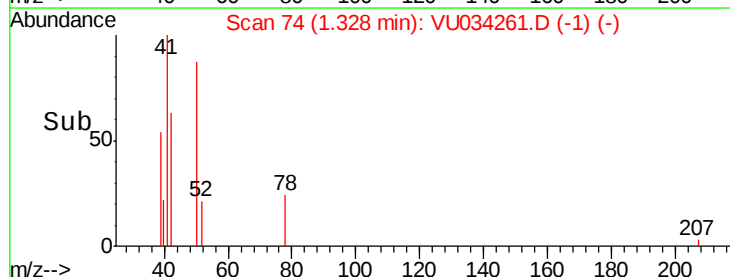
300

200

100

0

Time--> 1.30 1.32 1.34





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 169

Delta R.T. 0.04 min

Lab File: VU034261.D

Acq: 04 Sep 2019 16:31

Instrument :

MSVOA_U

ClientSampleId :

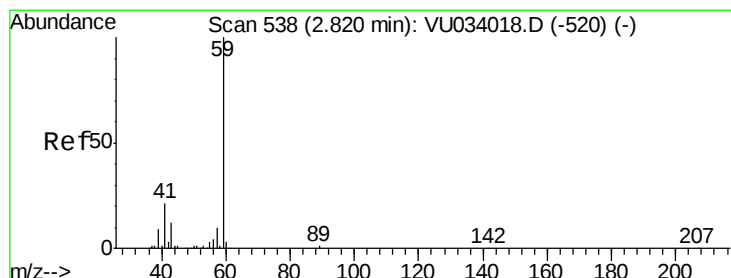
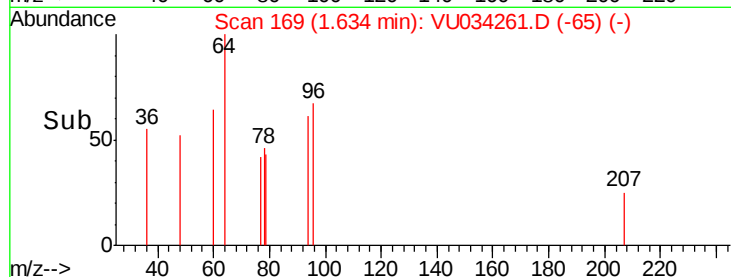
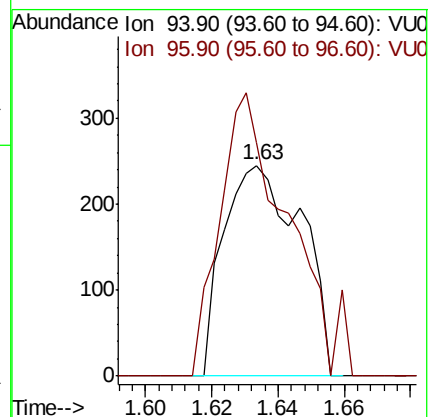
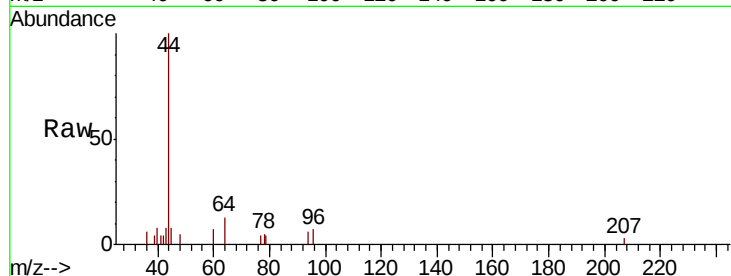
T7-S-G1-(2.5)

Tgt Ion: 94 Resp: 398

Ion Ratio Lower Upper

94 100

96 111.0 76.3 114.5



#11

Tert butyl alcohol

Concen: 3.306 ug/l

RT: 2.82 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU034261.D

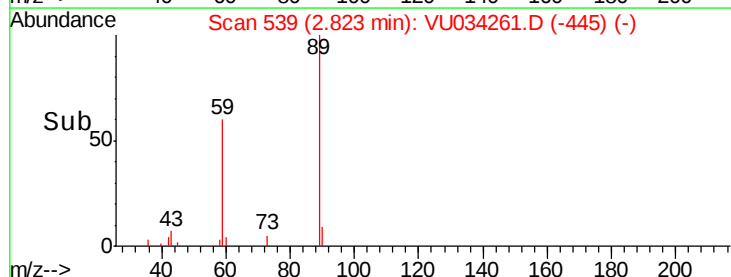
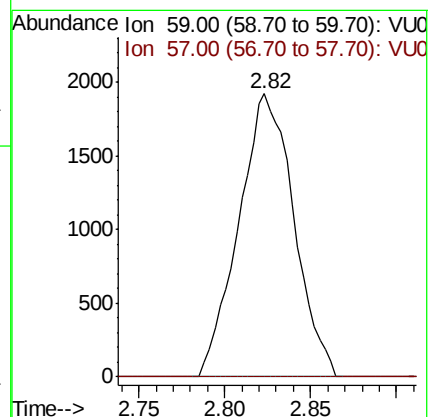
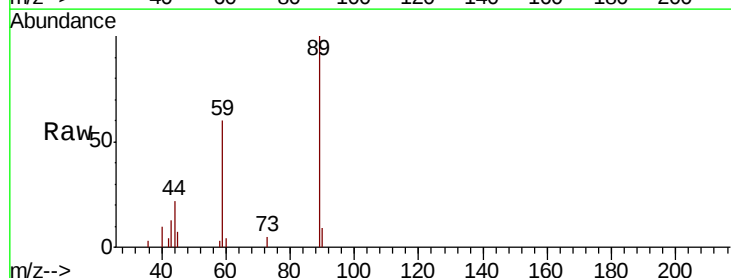
Acq: 04 Sep 2019 16:31

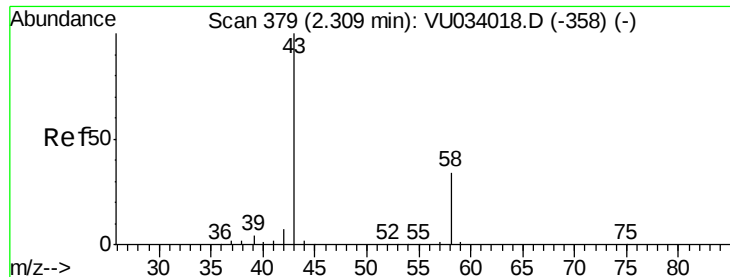
Tgt Ion: 59 Resp: 4268

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#





#16

Acetone

Concen: 3.543 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034261.D

Acq: 04 Sep 2019 16:31

Instrument :

MSVOA_U

ClientSampleId :

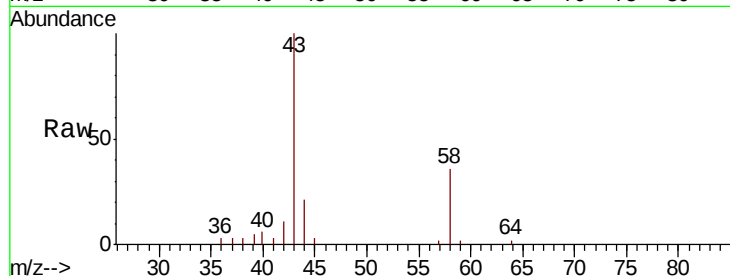
T7-S-G1-(2.5)

Tgt Ion: 43 Resp: 10123

Ion Ratio Lower Upper

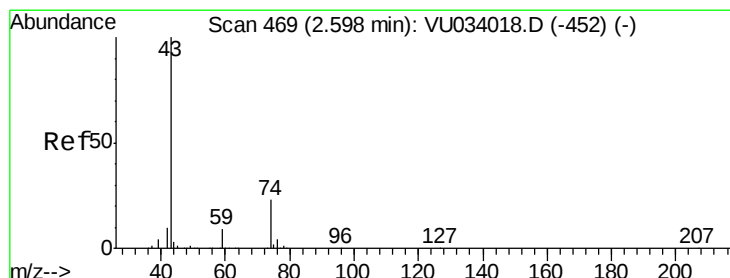
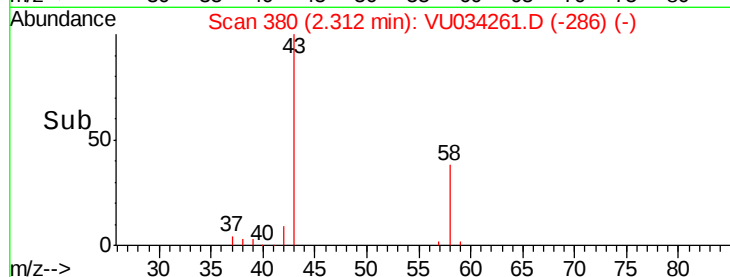
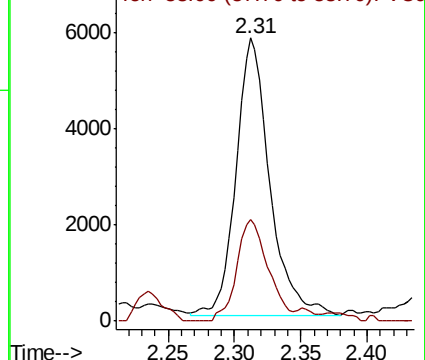
43 100

58 36.6 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034018.D (-358) (-)



#18

Methyl Acetate

Concen: 0.490 ug/l

RT: 2.61 min Scan# 473

Delta R.T. 0.01 min

Lab File: VU034261.D

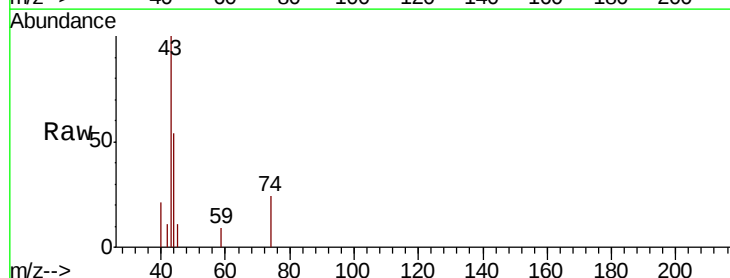
Acq: 04 Sep 2019 16:31

Tgt Ion: 43 Resp: 3621

Ion Ratio Lower Upper

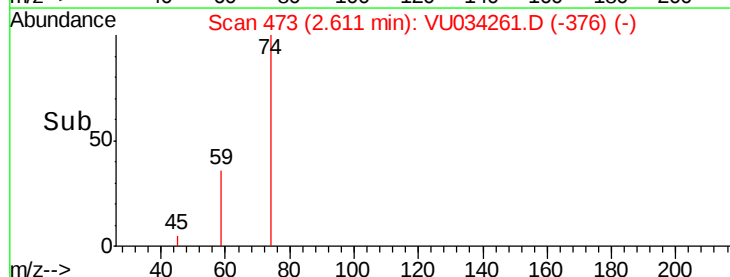
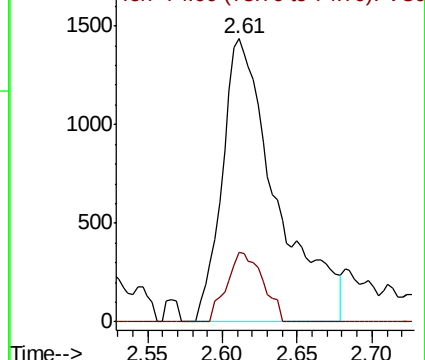
43 100

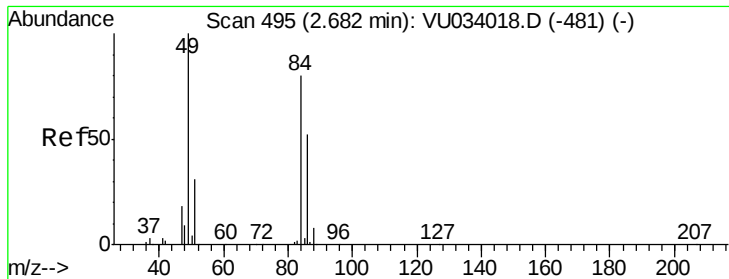
74 16.2 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-452) (-)

Ion 74.00 (73.70 to 74.70): VU034018.D (-452) (-)

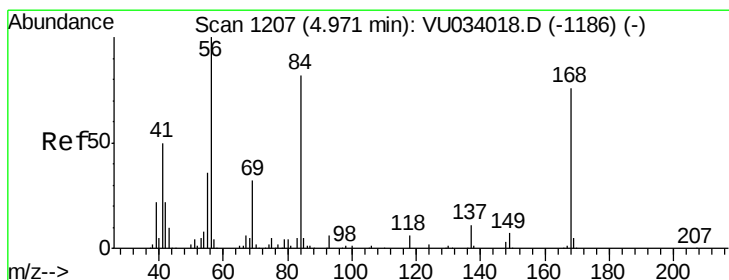
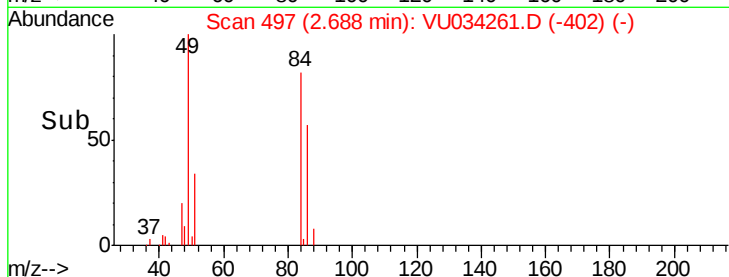
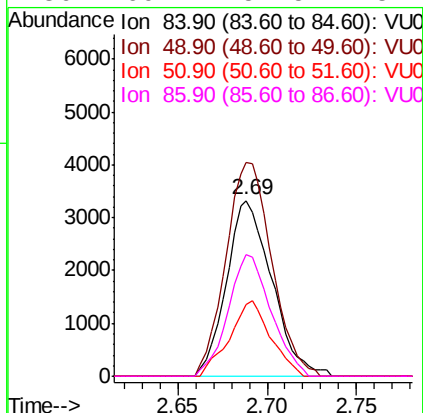
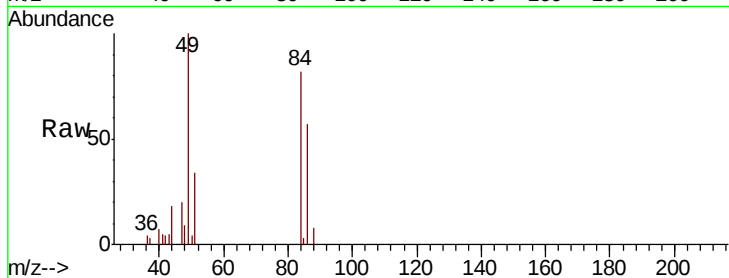




#20
Methylene Chloride
Concen: 1.087 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.01 min
Lab File: VU034261.D
Acq: 04 Sep 2019 16:31

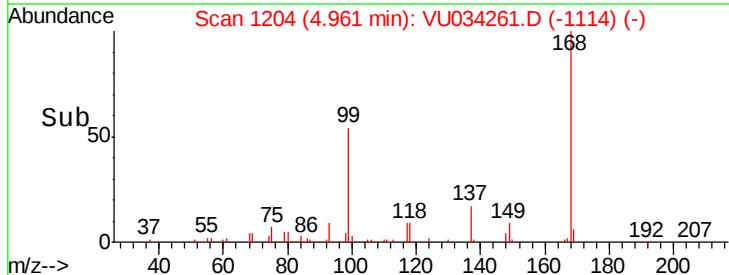
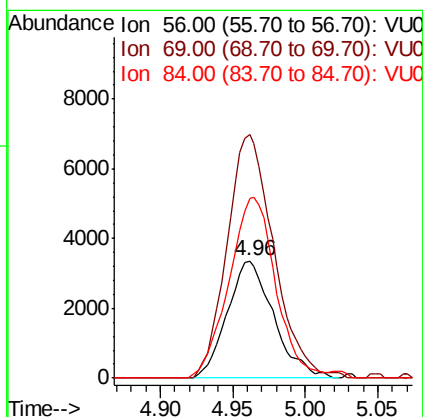
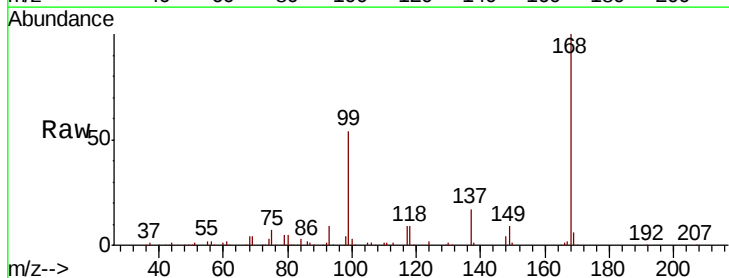
Instrument :
MSVOA_U
ClientSampleId :
T7-S-G1-(2.5)

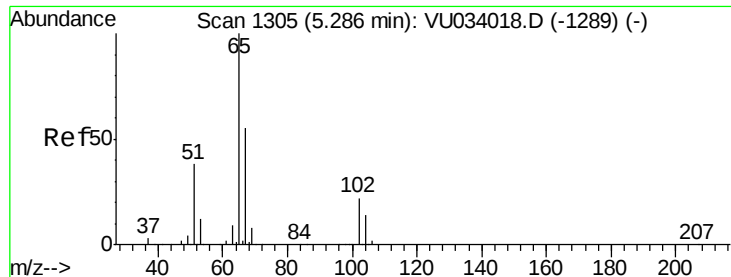
Tgt Ion:	84	Resp:	5878
Ion	Ratio	Lower	Upper
84	100		
49	121.8	100.2	150.4
51	41.1	30.8	46.2
86	69.2	52.5	78.7



#31
Cyclohexane
Concen: 0.895 ug/l
RT: 4.96 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VU034261.D
Acq: 04 Sep 2019 16:31

Tgt Ion:	56	Resp:	7479
Ion	Ratio	Lower	Upper
56	100		
69	207.7	25.4	38.0#
84	153.1	65.8	98.8#

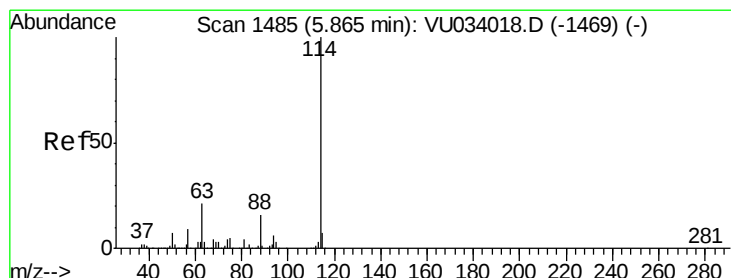
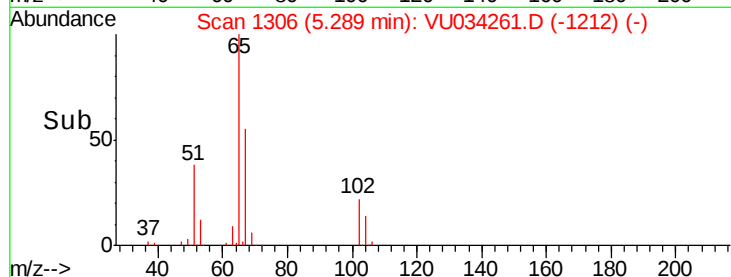
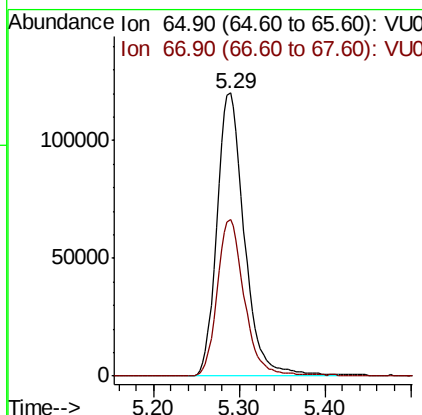
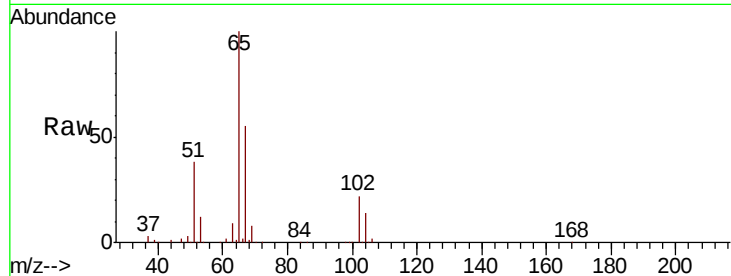




#33
 1,2-Dichloroethane-d4
 Concen: 47.709 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034261.D
 Acq: 04 Sep 2019 16:31

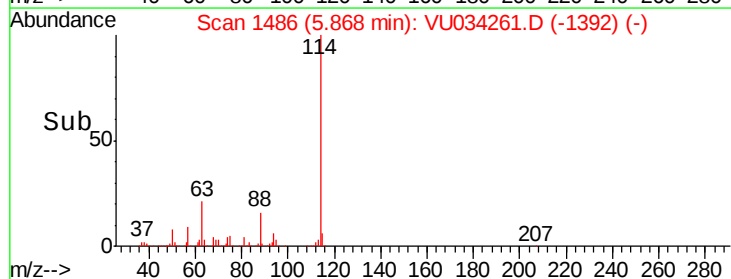
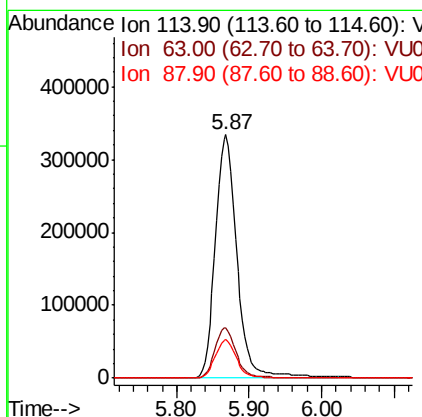
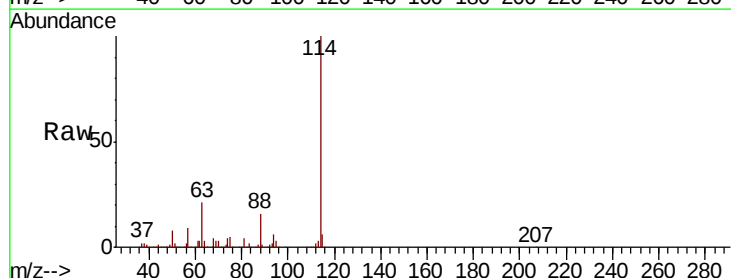
Instrument :
 MSVOA_U
 ClientSampleId :
 T7-S-G1-(2.5)

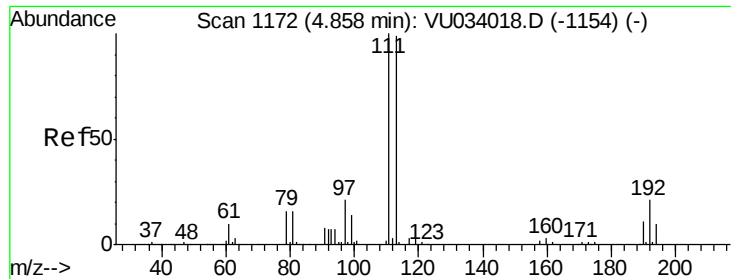
Tgt Ion: 65 Resp: 267117
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034261.D
 Acq: 04 Sep 2019 16:31

Tgt Ion: 114 Resp: 692658
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.0
 88 15.7 0.0 32.0

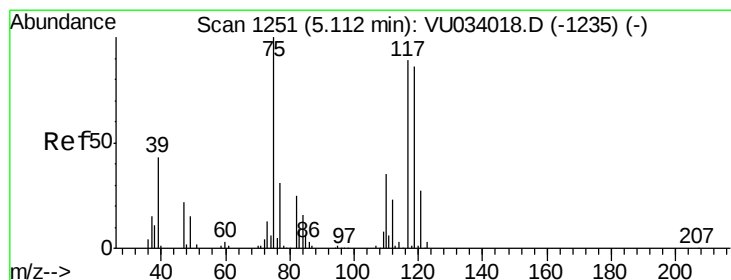
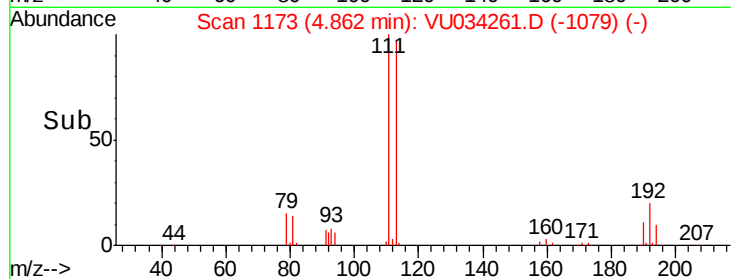
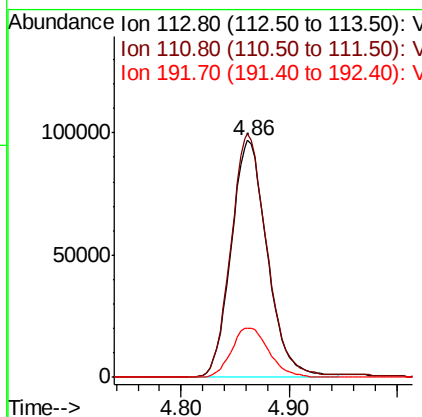
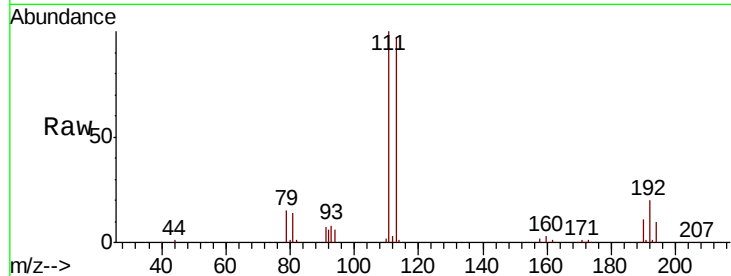




#35
 Dibromofluoromethane
 Concen: 47.100 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034261.D
 Acq: 04 Sep 2019 16:31

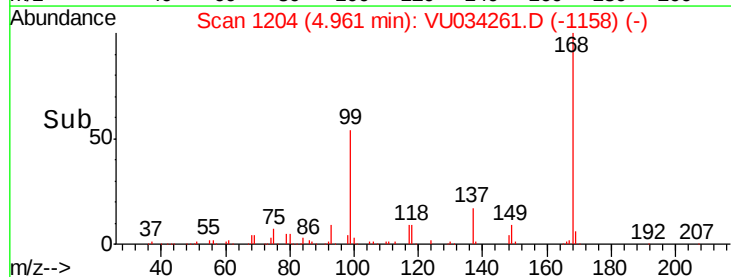
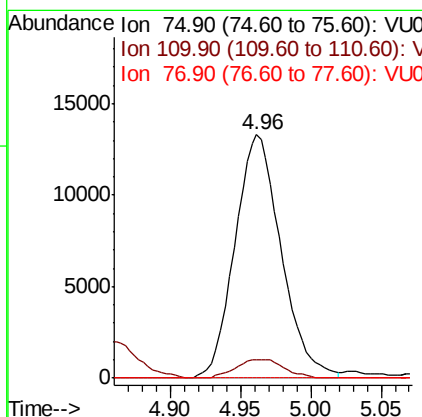
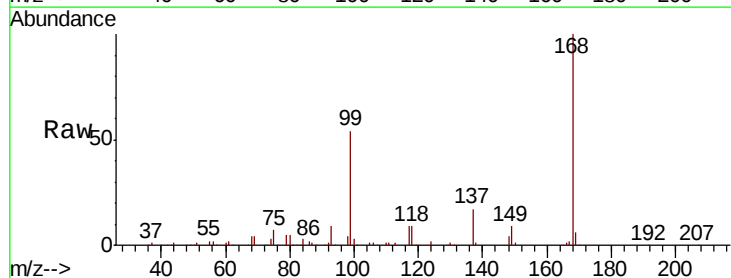
Instrument :
 MSVOA_U
 ClientSampleId :
 T7-S-G1-(2.5)

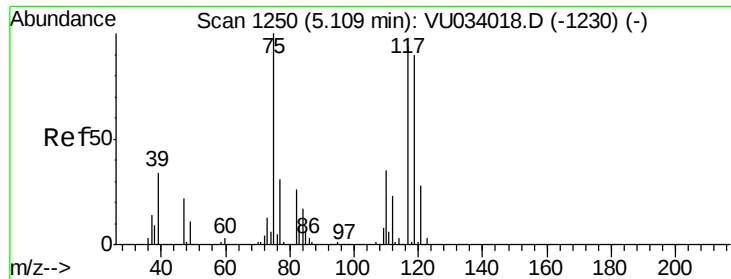
Tgt Ion: 113 Resp: 226279
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.7 122.5
 192 21.7 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.645 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034261.D
 Acq: 04 Sep 2019 16:31

Tgt Ion: 75 Resp: 30432
 Ion Ratio Lower Upper
 75 100
 110 7.9 17.8 53.5#
 77 0.0 25.0 37.4#

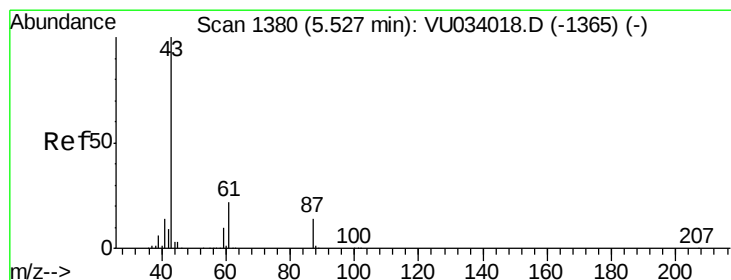
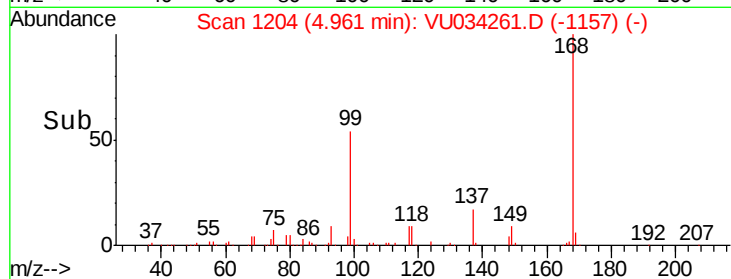
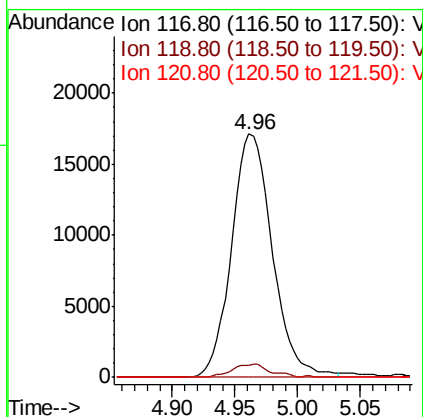
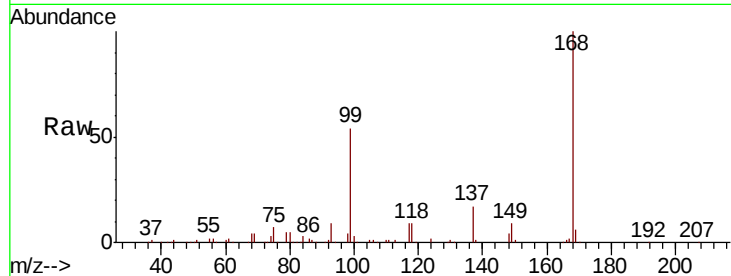




#38
Carbon Tetrachloride
Concen: 6.136 ug/l
RT: 4.96 min Scan# 1204
Delta R.T. -0.15 min
Lab File: VU034261.D
Acq: 04 Sep 2019 16:31

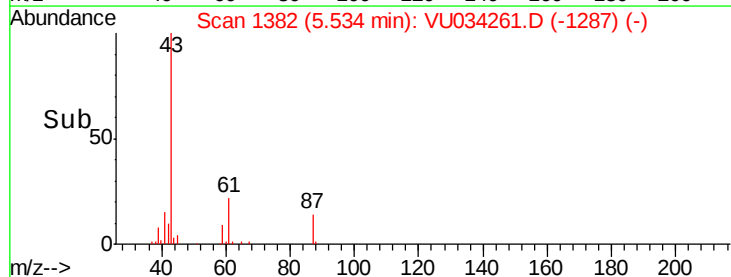
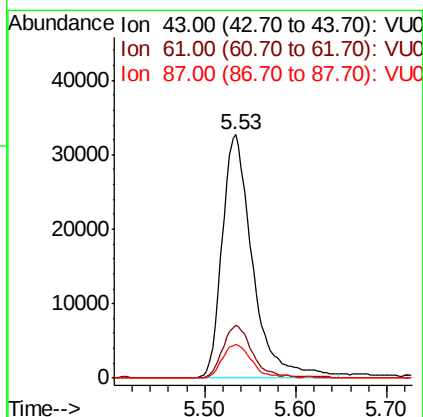
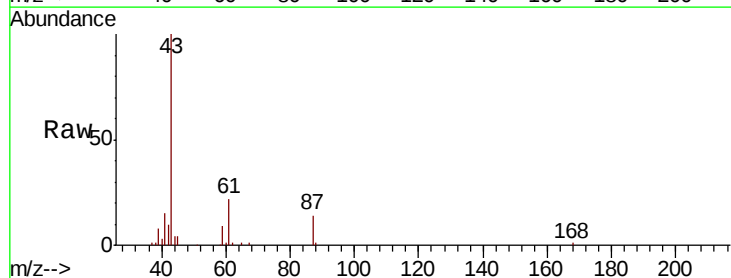
Instrument :
MSVOA_U
ClientSampleId :
T7-S-G1-(2.5)

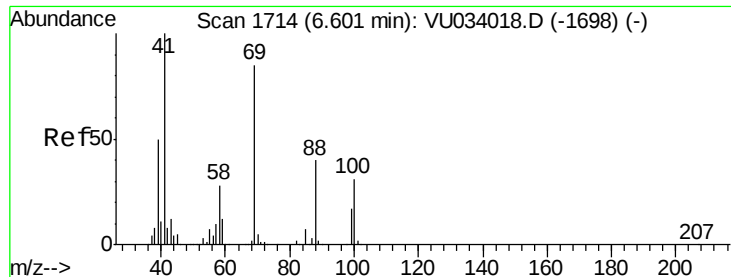
Tgt Ion: 117 Resp: 38805
Ion Ratio Lower Upper
117 100
119 5.0 77.0 115.4#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 6.837 ug/l
RT: 5.53 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VU034261.D
Acq: 04 Sep 2019 16:31

Tgt Ion: 43 Resp: 76310
Ion Ratio Lower Upper
43 100
61 21.5 17.2 25.8
87 13.1 10.8 16.2

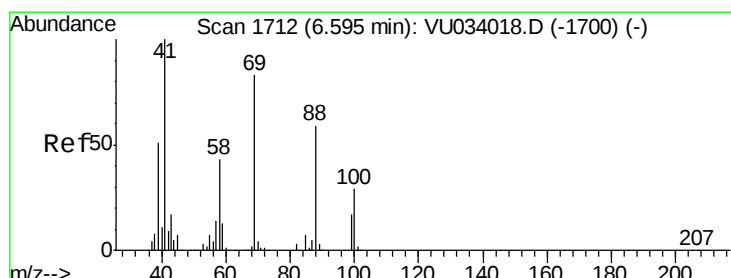
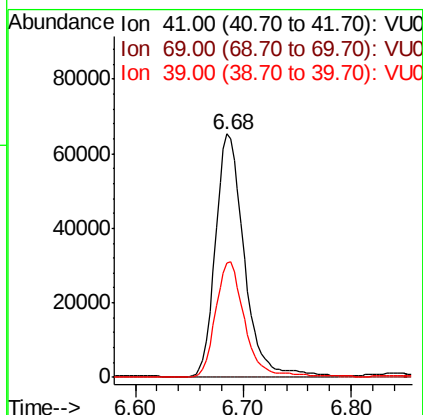
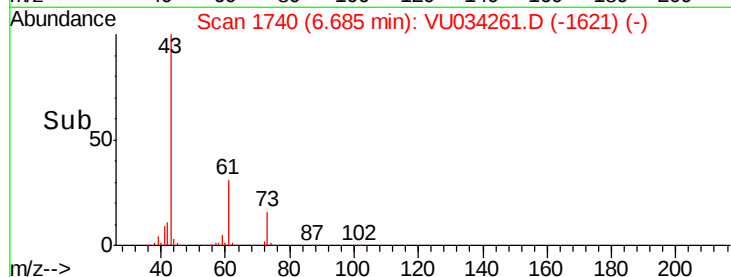
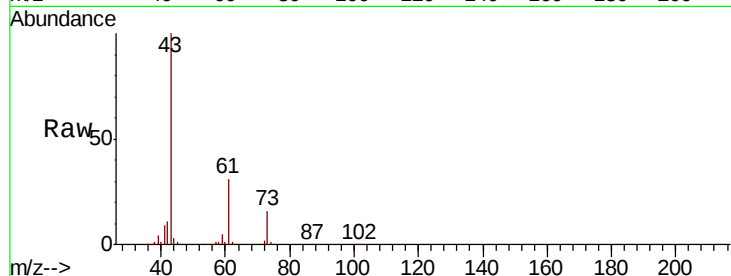




#48
Methyl methacrylate
Concen: 22.406 ug/l
RT: 6.68 min Scan# 1740
Delta R.T. 0.08 min
Lab File: VU034261.D
Acq: 04 Sep 2019 16:31

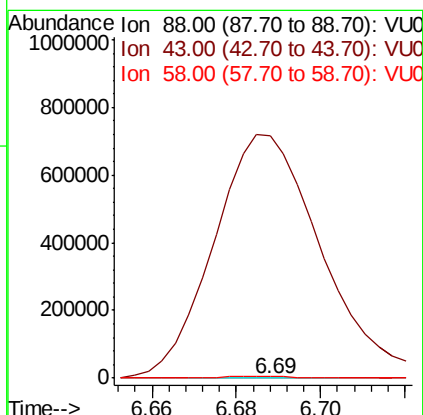
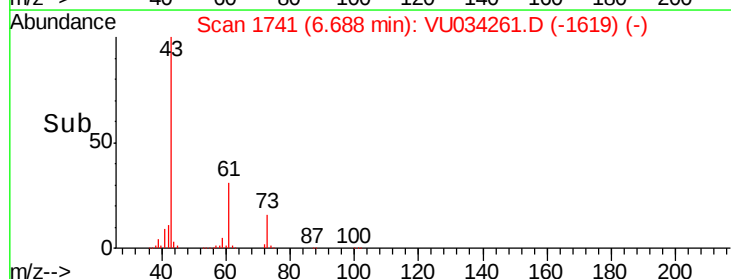
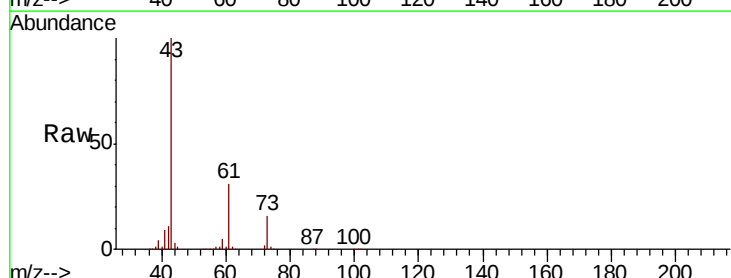
Instrument :
MSVOA_U
ClientSampleId :
T7-S-G1-(2.5)

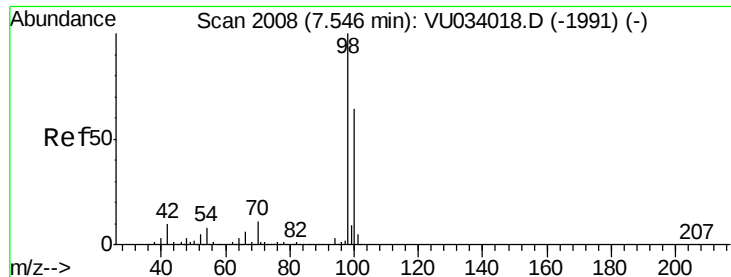
Tgt Ion: 41 Resp: 120683
Ion Ratio Lower Upper
41 100
69 0.0 69.5 104.3#
39 48.6 40.3 60.5



#49
1,4-Dioxane
Concen: 1.719 ug/l
RT: 6.69 min Scan# 1741
Delta R.T. 0.09 min
Lab File: VU034261.D
Acq: 04 Sep 2019 16:31

Tgt Ion: 88 Resp: 232
Ion Ratio Lower Upper
88 100
43 571275.0 24.8 37.2#
58 3287.9 59.3 88.9#





#50

Toluene-d8

Concen: 49.845 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034261.D

Acq: 04 Sep 2019 16:31

Instrument :

MSVOA_U

ClientSampleId :

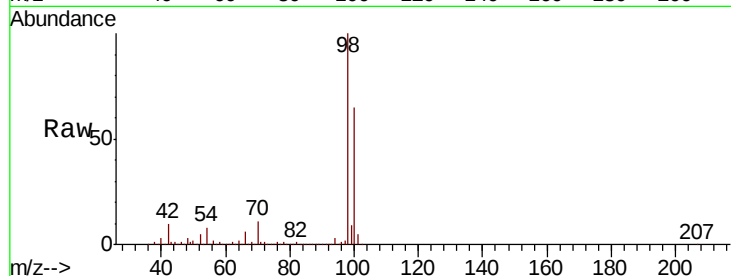
T7-S-G1-(2.5)

Tgt Ion: 98 Resp: 896649

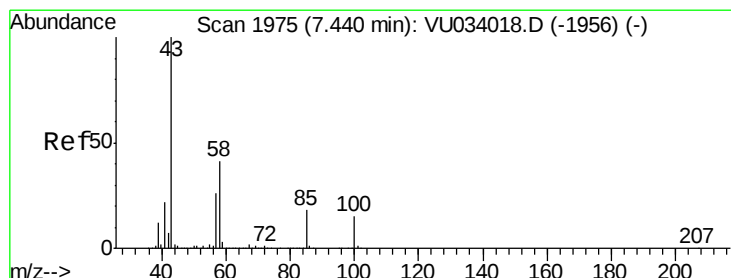
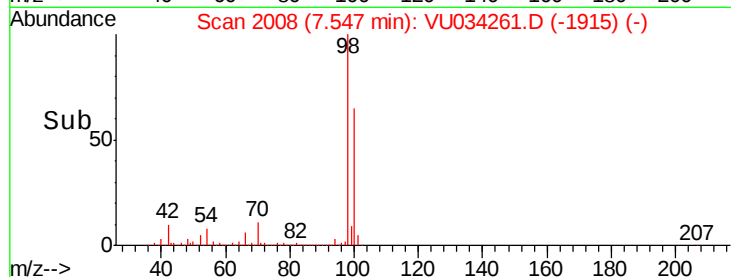
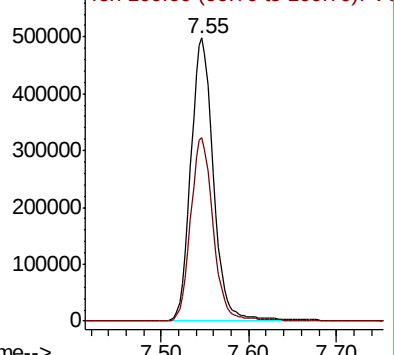
Ion Ratio Lower Upper

98 100

100 64.6 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VU034018.D (-1991) (-)



#51

4-Methyl-2-Pentanone

Concen: 8.200 ug/l

RT: 7.40 min Scan# 1963

Delta R.T. -0.04 min

Lab File: VU034261.D

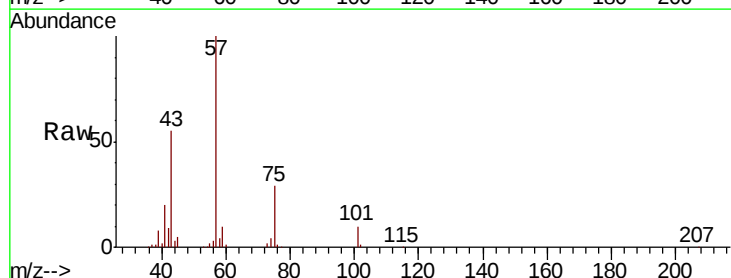
Acq: 04 Sep 2019 16:31

Tgt Ion: 43 Resp: 63205

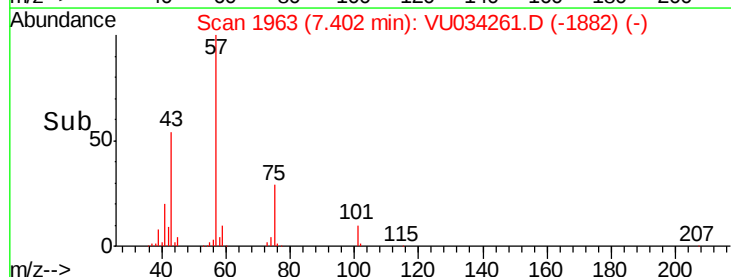
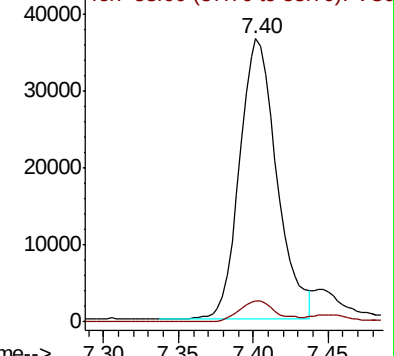
Ion Ratio Lower Upper

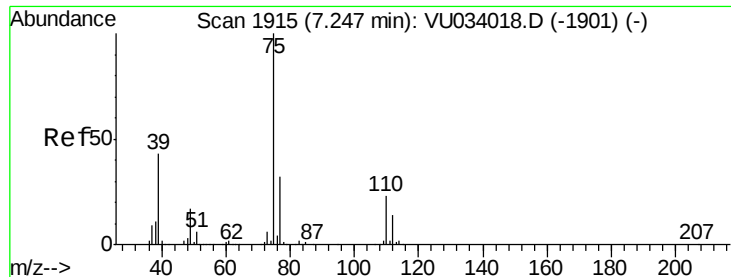
43 100

58 7.5 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-1956) (-)



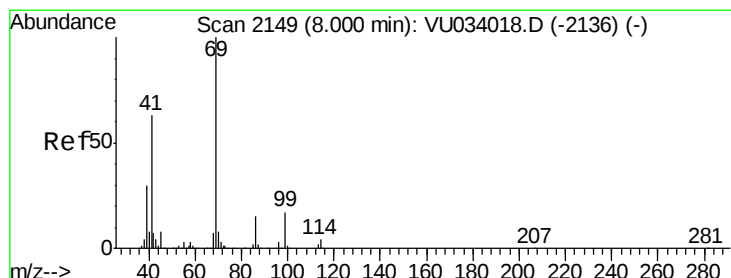
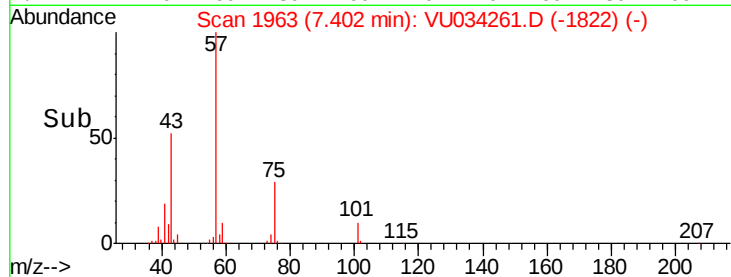
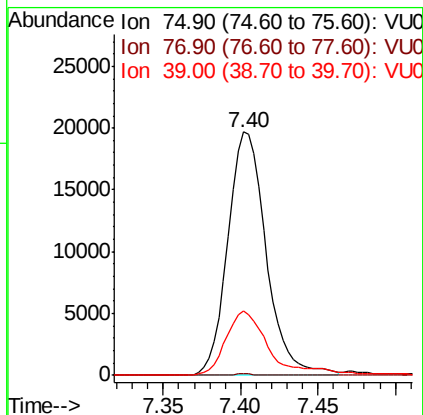
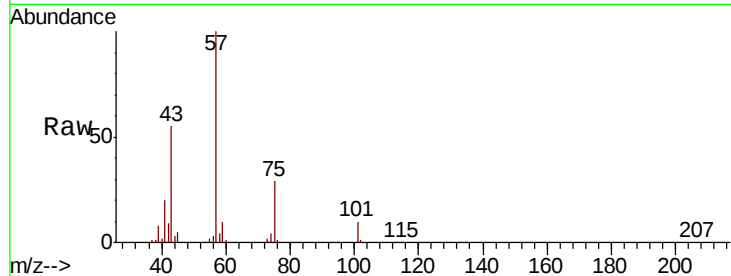


#54

cis-1,3-Dichloropropene
 Concen: 4.059 ug/l
 RT: 7.40 min Scan# 1963
 Delta R.T. 0.15 min
 Lab File: VU034261.D
 Acq: 04 Sep 2019 16:31

Instrument :
 MSVOA_U
 ClientSampleId :
 T7-S-G1-(2.5)

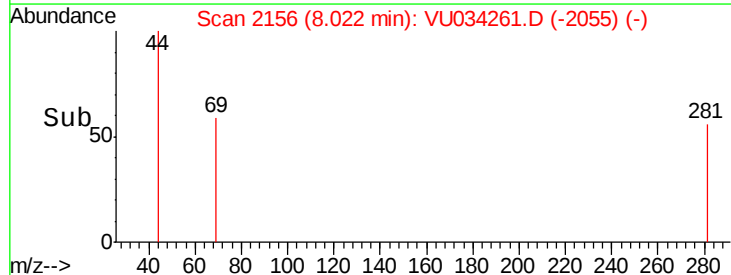
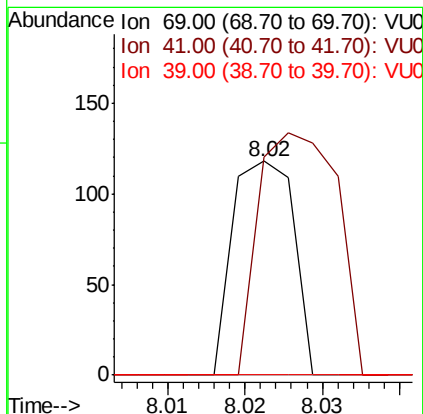
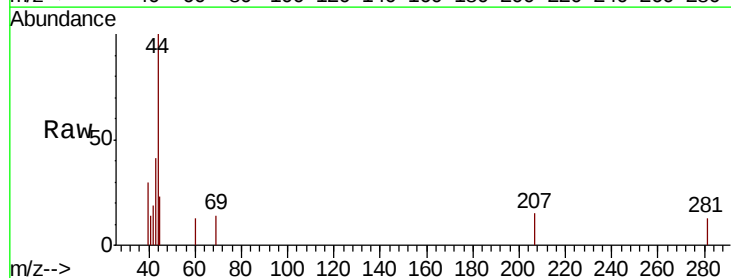
Tgt Ion: 75 Resp: 33844
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.2 37.8#
 39 26.2 34.6 51.8#

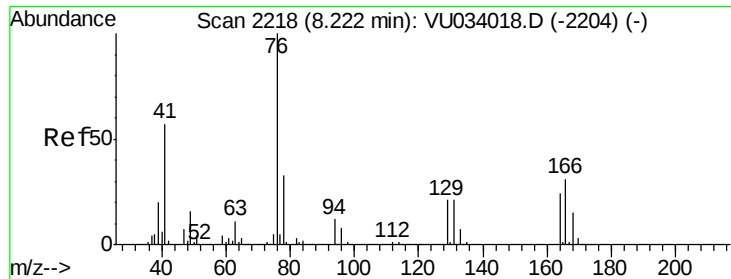


#56

Ethyl methacrylate
 Concen: 0.979 ug/l
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.02 min
 Lab File: VU034261.D
 Acq: 04 Sep 2019 16:31

Tgt Ion: 69 Resp: 65
 Ion Ratio Lower Upper
 69 100
 41 0.0 50.7 76.1#
 39 0.0 24.2 36.2#

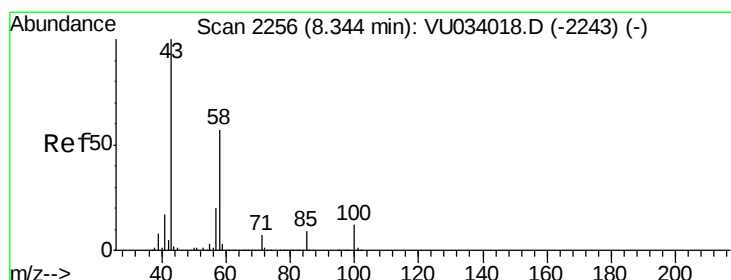
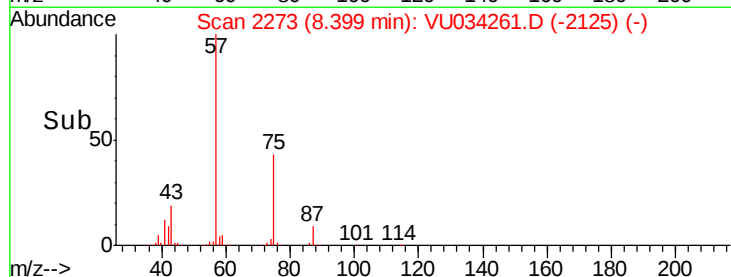
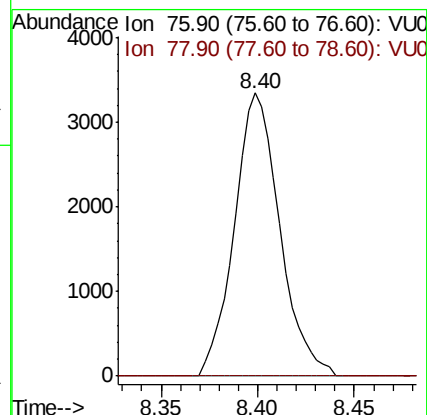
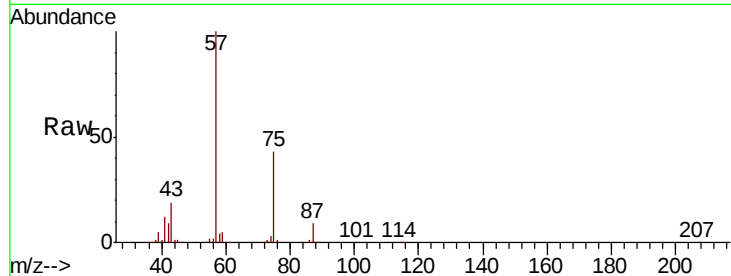




#57
 1,3-Dichloropropane
 Concen: 0.621 ug/l
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.18 min
 Lab File: VU034261.D
 Acq: 04 Sep 2019 16:31

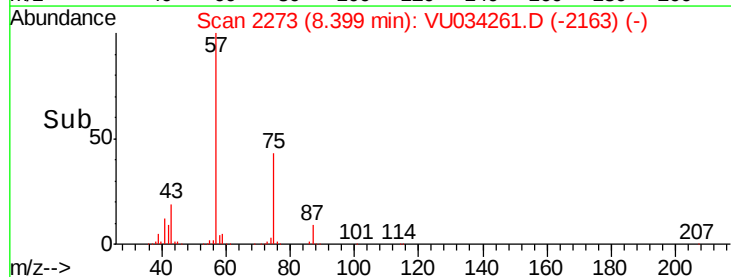
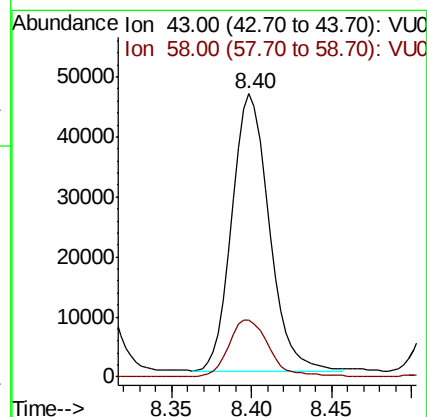
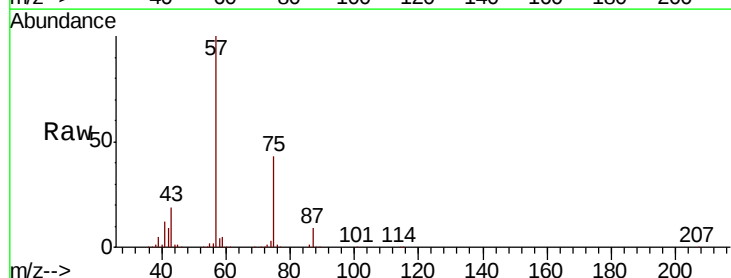
Instrument :
 MSVOA_U
 ClientSampleId :
 T7-S-G1-(2.5)

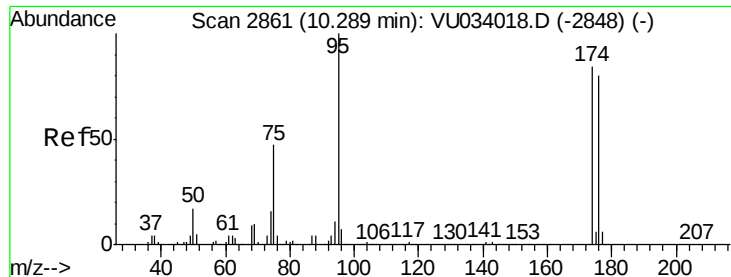
Tgt Ion: 76 Resp: 5449
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.4#



#59
 2-Hexanone
 Concen: 12.579 ug/l
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.05 min
 Lab File: VU034261.D
 Acq: 04 Sep 2019 16:31

Tgt Ion: 43 Resp: 73201
 Ion Ratio Lower Upper
 43 100
 58 22.8 28.4 85.3#

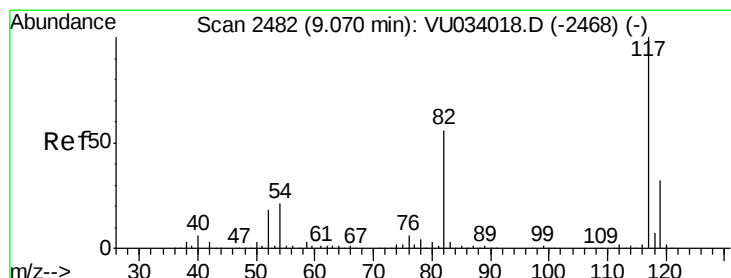
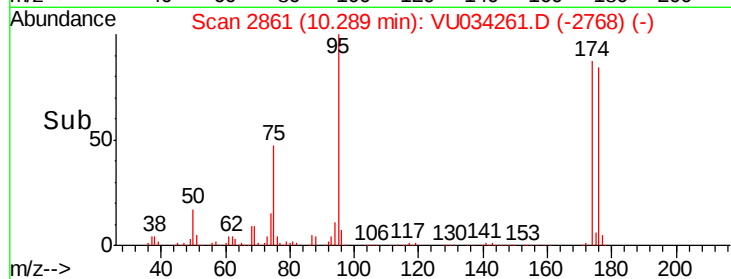
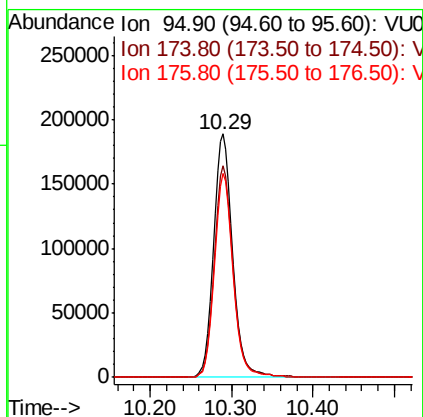
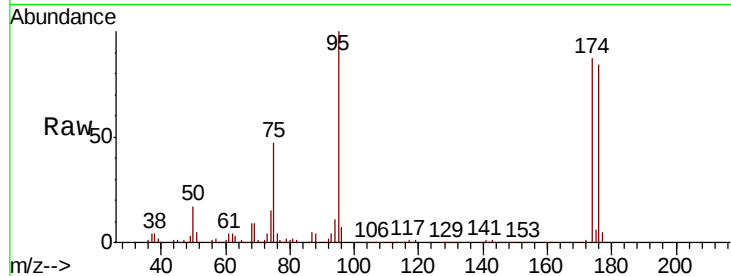




#62
4-Bromofluorobenzene
Concen: 44.691 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VU034261.D
Acq: 04 Sep 2019 16:31

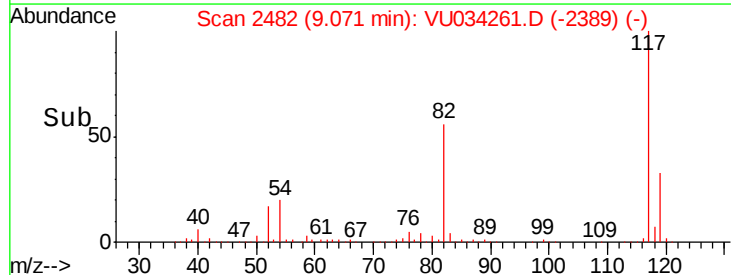
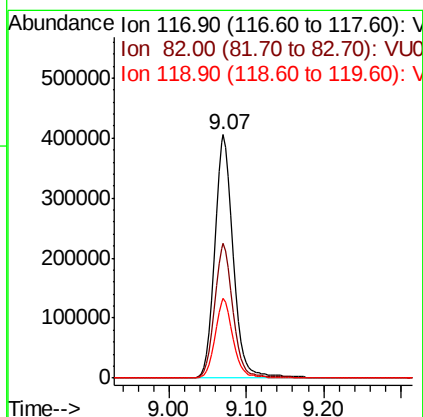
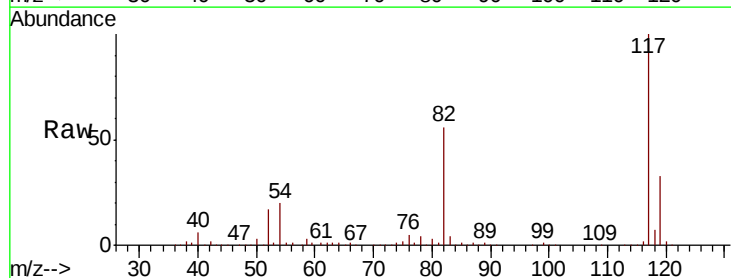
Instrument :
MSVOA_U
ClientSampleId :
T7-S-G1-(2.5)

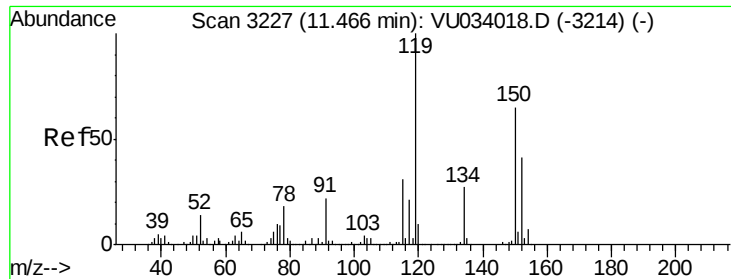
Tgt Ion: 95 Resp: 312722
Ion Ratio Lower Upper
95 100
174 86.8 0.0 168.8
176 82.0 0.0 161.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034261.D
Acq: 04 Sep 2019 16:31

Tgt Ion: 117 Resp: 693461
Ion Ratio Lower Upper
117 100
82 55.5 45.1 67.7
119 32.8 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034261.D

Acq: 04 Sep 2019 16:31

Instrument :

MSVOA_U

ClientSampleId :

T7-S-G1-(2.5)

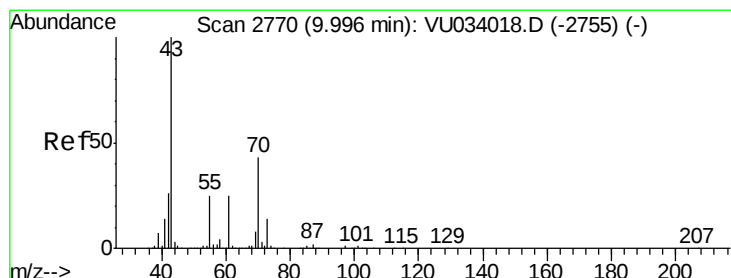
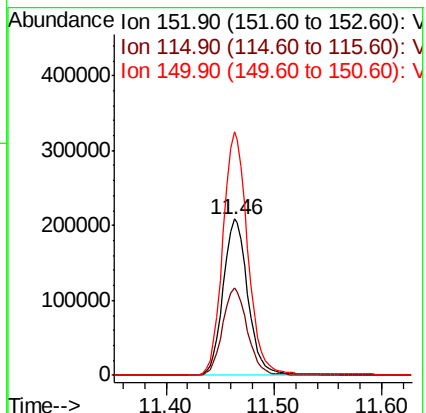
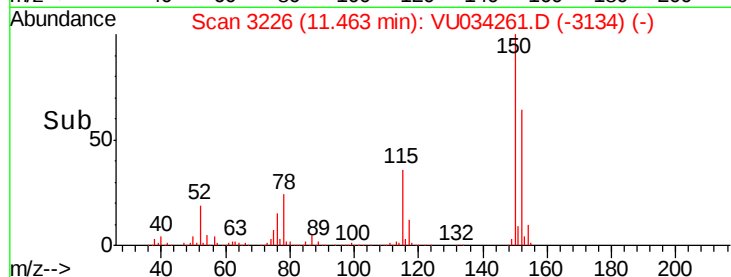
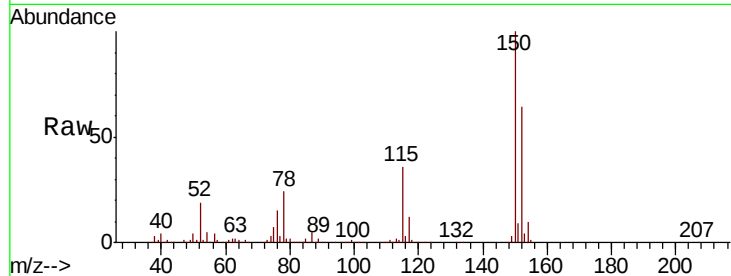
Tgt Ion:152 Resp: 334949

Ion Ratio Lower Upper

152 100

115 56.2 41.1 123.3

150 156.8 0.0 348.8



#74

N-ethyl acetate

Concen: 0.203 ug/l

RT: 9.93 min Scan# 2748

Delta R.T. -0.07 min

Lab File: VU034261.D

Acq: 04 Sep 2019 16:31

Tgt Ion: 43 Resp: 1924

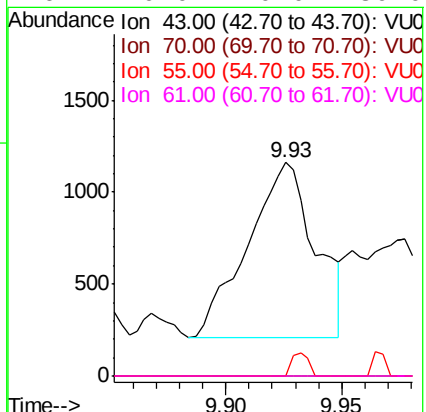
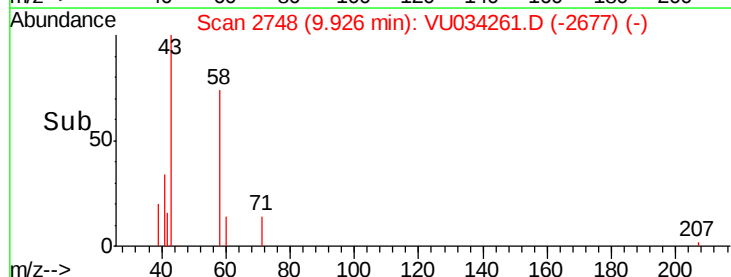
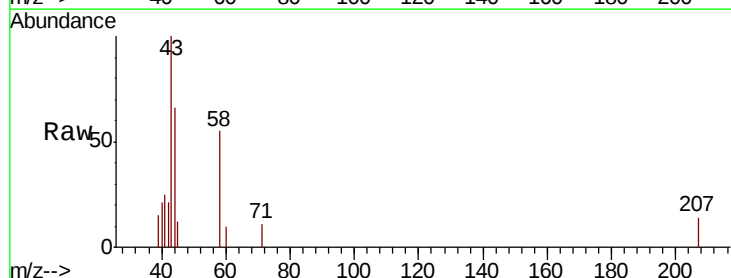
Ion Ratio Lower Upper

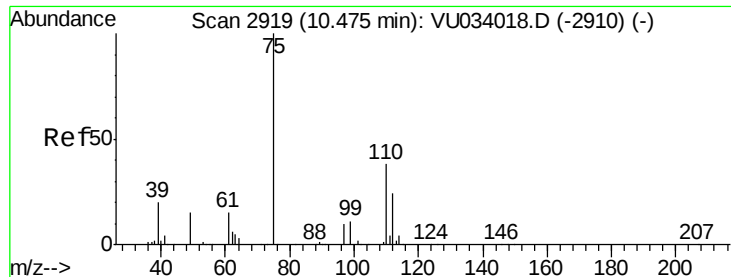
43 100

70 0.0 35.2 52.8#

55 3.4 20.5 30.7#

61 0.0 20.0 30.0#





#76

1,2,3-Trichloropropane

Concen: 19.741 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU034261.D

Acq: 04 Sep 2019 16:31

Instrument :

MSVOA_U

ClientSampleId :

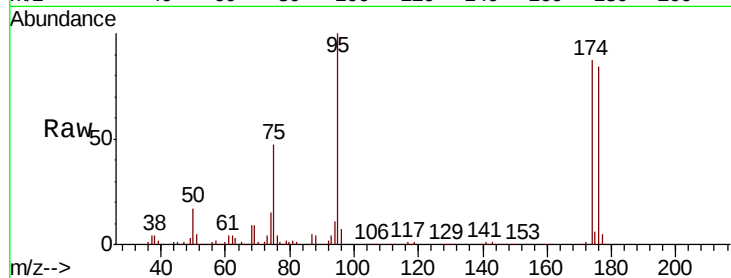
T7-S-G1-(2.5)

Tgt Ion: 75 Resp: 149030

Ion Ratio Lower Upper

75 100

77 1.2 20.1 60.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.29

80000

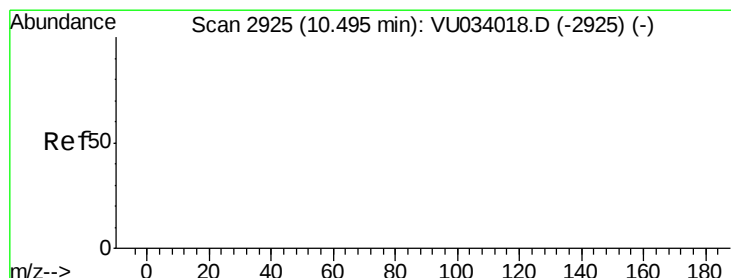
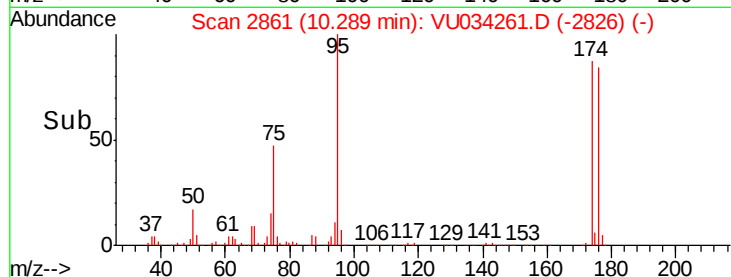
60000

40000

20000

0

Time--> 10.20 10.30 10.40



#81

trans-1,4-Dichloro-2-butene

Concen: 66.474 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.21 min

Lab File: VU034261.D

Acq: 04 Sep 2019 16:31

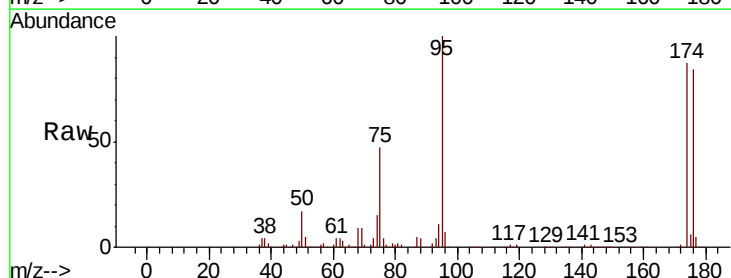
Tgt Ion: 75 Resp: 149030

Ion Ratio Lower Upper

75 100

53 0.2 0.0 0.0#

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

10.29

120000

100000

80000

60000

40000

20000

0

Time--> 10.20 10.30 10.40

