

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091019\
 Data File : VU034446.D
 Acq On : 10 Sep 2019 13:15
 Operator : JC/SP
 Sample : K4602-31
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PAR-C3-(3.11)

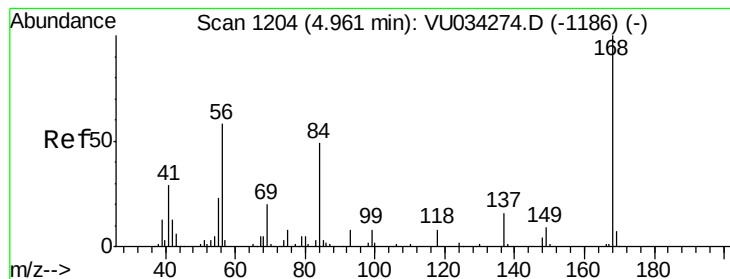
Quant Time: Sep 11 05:54:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	239462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	377045	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	390371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	211148	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	204481	56.44	ug/l	0.00
Spiked Amount			Recovery	=	112.88%	
35) Dibromofluoromethane	4.86	113	179417	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
50) Toluene-d8	7.54	98	652873	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
62) 4-Bromofluorobenzene	10.29	95	222788	43.78	ug/l	0.00
Spiked Amount			Recovery	=	87.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	669	Below Cal		95
6) Chloroethane	1.67	64	87	Below Cal	#	43
10) Methyl Iodide	2.41	142	446	4.009	ug/l #	70
11) Tert butyl alcohol	2.83	59	5766	7.533	ug/l #	73
16) Acetone	2.31	43	11962	6.380	ug/l	96
18) Methyl Acetate	2.61	43	2910	0.638	ug/l	97
20) Methylene Chloride	2.69	84	7166	1.949	ug/l	92
31) Cyclohexane	4.96	56	3940	0.928	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	16464	4.026	ug/l #	49
38) Carbon Tetrachloride	4.96	117	21529	4.931	ug/l #	16
43) Isopropyl Acetate	5.53	43	56193	7.451	ug/l	100
45) 1,2-Dichloropropane	6.68	63	1168	0.303	ug/l #	44
48) Methyl methacrylate	6.68	41	88384	24.674	ug/l #	36
49) 1,4-Dioxane	6.69	88	44	0.563	ug/l #	1
51) 4-Methyl-2-Pentanone	7.40	43	51444	9.854	ug/l #	46
54) cis-1,3-Dichloropropene	7.40	75	28217	4.976	ug/l #	66
56) Ethyl methacrylate	7.94	69	239	3.116	ug/l #	28
57) 1,3-Dichloropropane	8.40	76	4505	0.736	ug/l #	43
59) 2-Hexanone	8.40	43	57179	14.661	ug/l #	55
74) N-amyl acetate	9.92	43	1617	0.292	ug/l #	42
76) 1,2,3-Trichloropropane	10.29	75	103741	22.508	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	103741	75.694	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.53	180	545	3.553	ug/l #	40
95) Naphthalene	13.76	128	1528	4.066	ug/l #	69
96) 1,2,3-Trichlorobenzene	13.99	180	459	2.729	ug/l #	85

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VU034446.D

Acq: 10 Sep 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

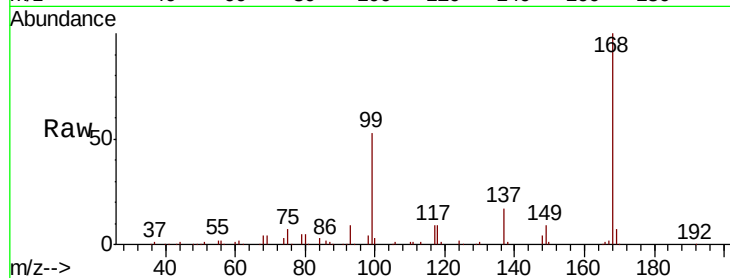
PAR-C3-(3.11)

Tgt Ion:168 Resp: 239462

Ion Ratio Lower Upper

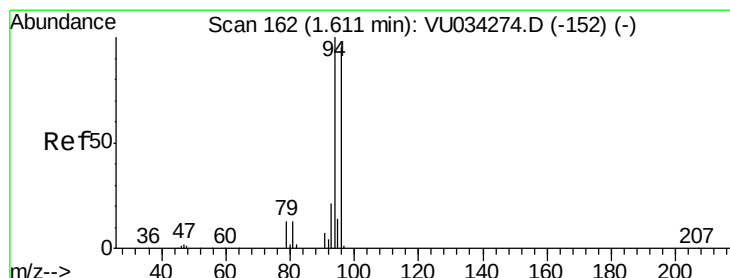
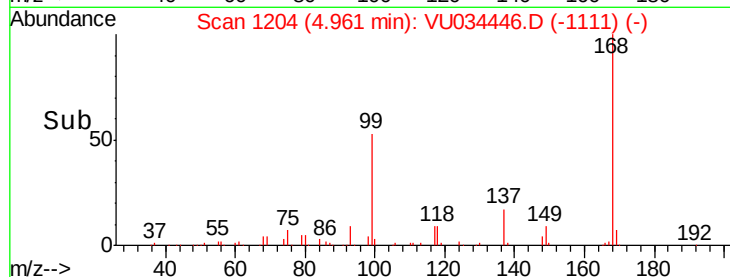
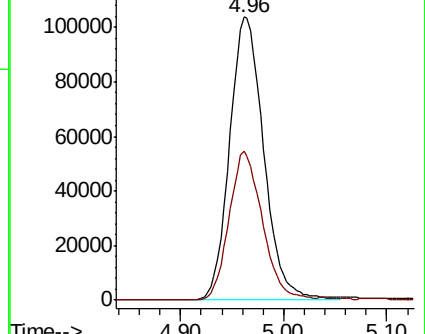
168 100

99 52.8 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034446.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034446.D (-1186) (-)



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 168

Delta R.T. 0.02 min

Lab File: VU034446.D

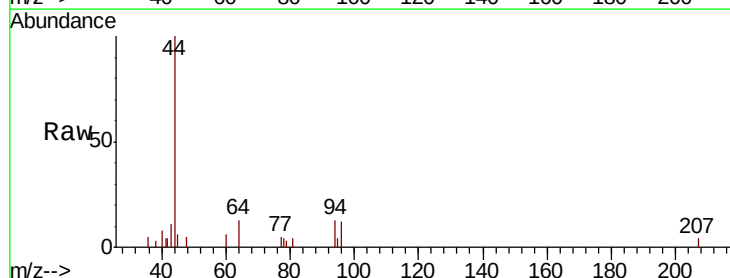
Acq: 10 Sep 2019 13:15

Tgt Ion: 94 Resp: 669

Ion Ratio Lower Upper

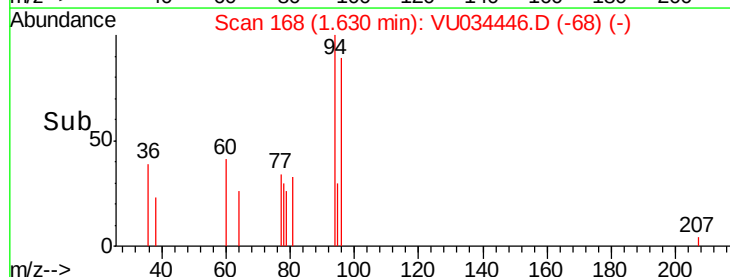
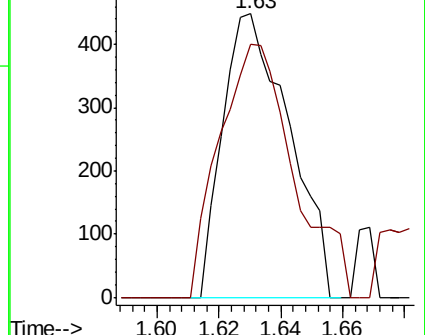
94 100

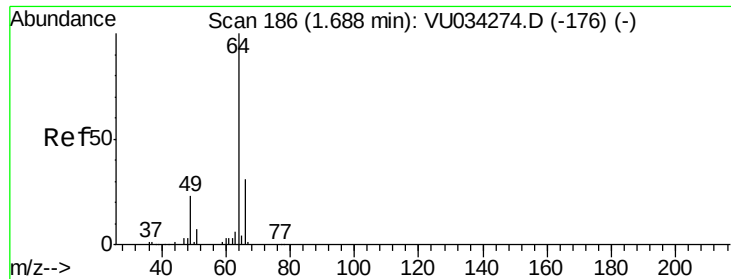
96 89.3 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034446.D (-68) (-)

Ion 95.90 (95.60 to 96.60): VU034446.D (-68) (-)





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 180

Delta R.T. -0.02 min

Lab File: VU034446.D

Acq: 10 Sep 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

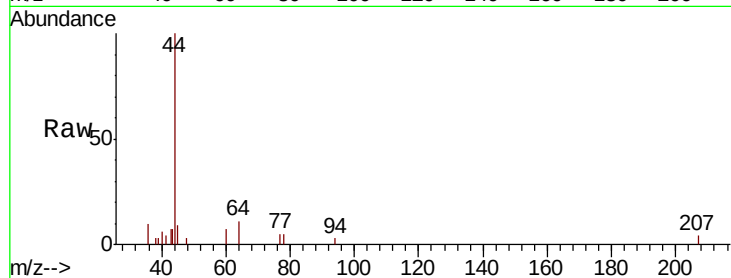
PAR-C3-(3.11)

Tgt Ion: 64 Resp: 87

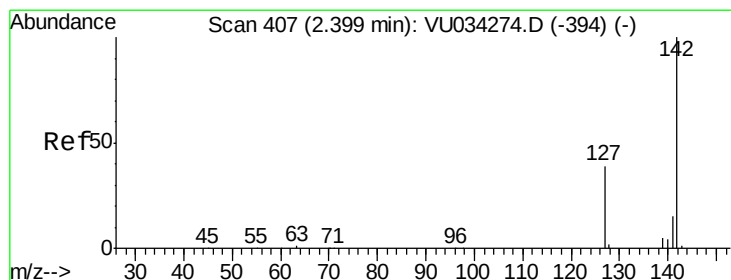
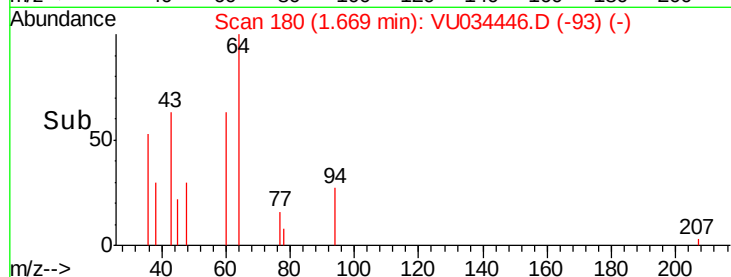
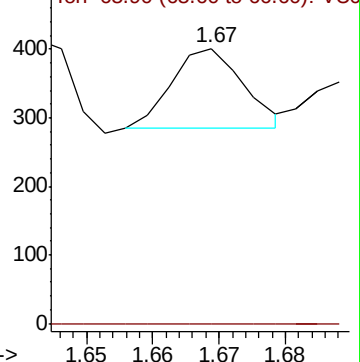
Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VU034446.D (-93) (-)



#10

Methyl Iodide

Concen: 4.009 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.01 min

Lab File: VU034446.D

Acq: 10 Sep 2019 13:15

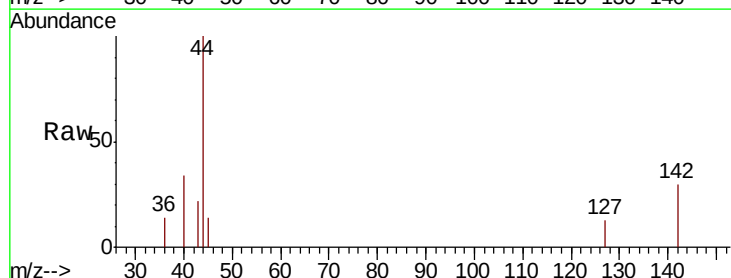
Tgt Ion: 142 Resp: 446

Ion Ratio Lower Upper

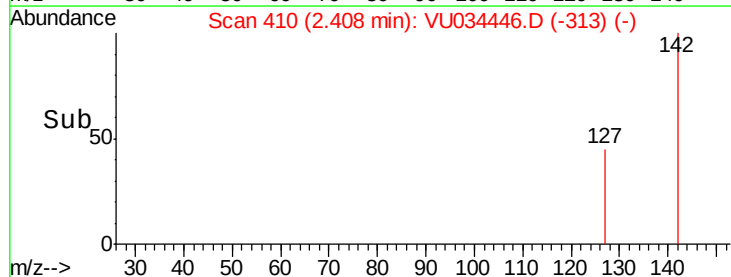
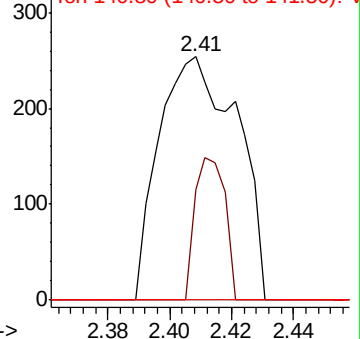
142 100

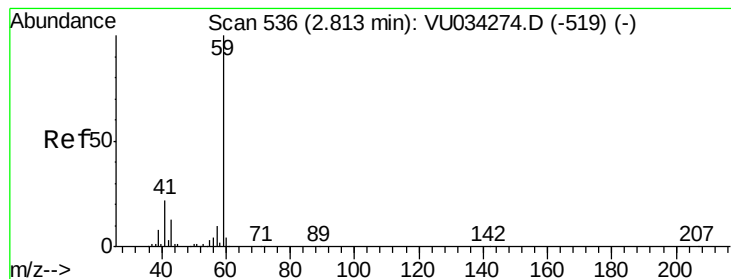
127 22.4 32.1 48.1#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): VU034446.D (-313) (-)





#11

Tert butyl alcohol

Concen: 7.533 ug/l

RT: 2.83 min Scan# 540

Delta R.T. 0.01 min

Lab File: VU034446.D

Acq: 10 Sep 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

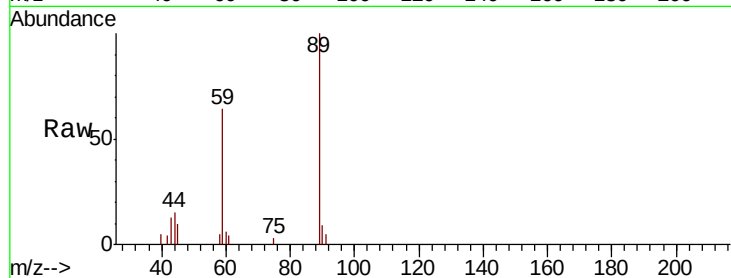
PAR-C3-(3.11)

Tgt Ion: 59 Resp: 5766

Ion Ratio Lower Upper

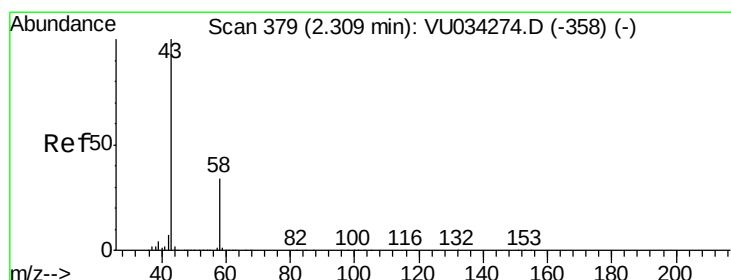
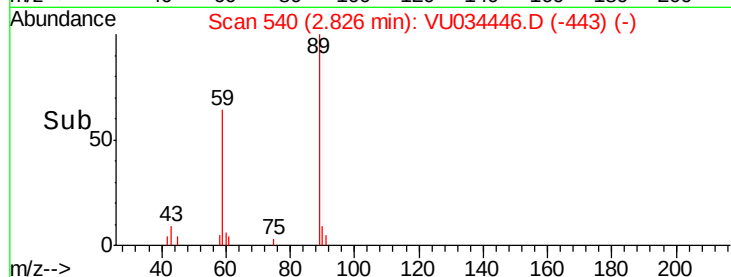
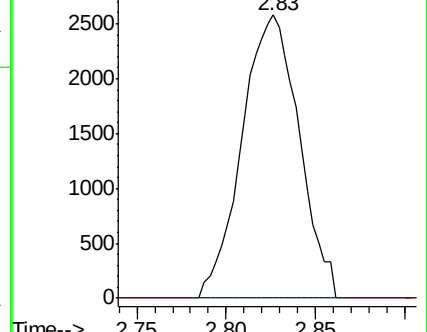
59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VU034446.D (-519) (-)

Ion 57.00 (56.70 to 57.70): VU034446.D (-519) (-)



#16

Acetone

Concen: 6.380 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034446.D

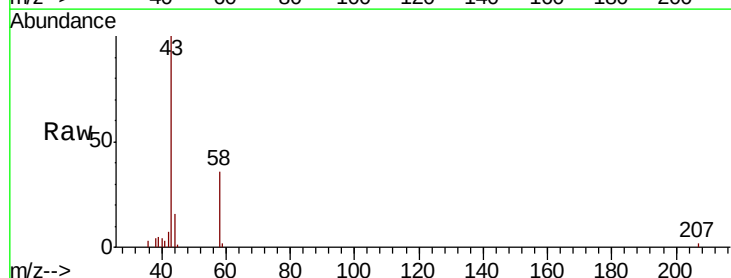
Acq: 10 Sep 2019 13:15

Tgt Ion: 43 Resp: 11962

Ion Ratio Lower Upper

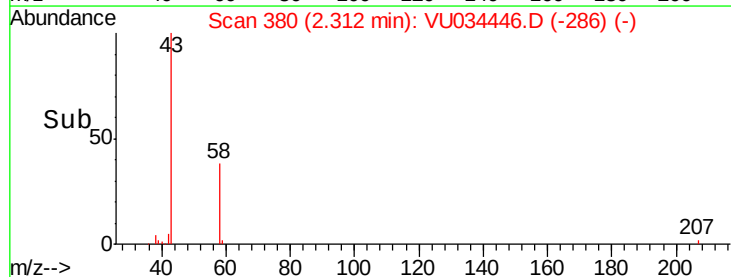
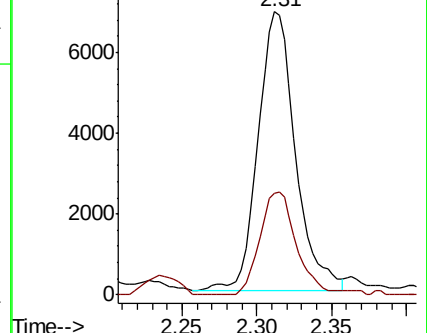
43 100

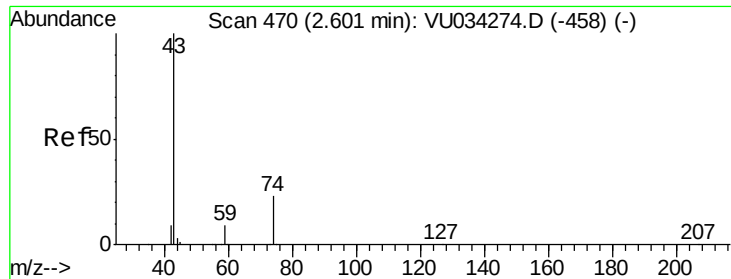
58 36.5 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034446.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034446.D (-358) (-)

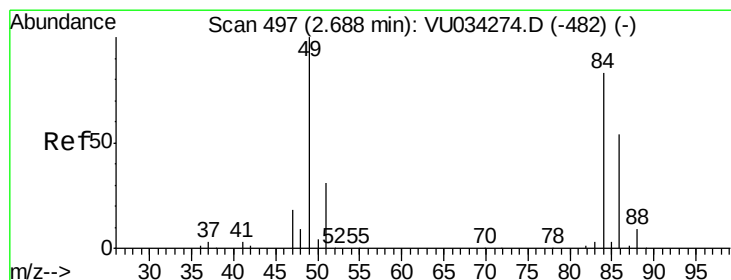
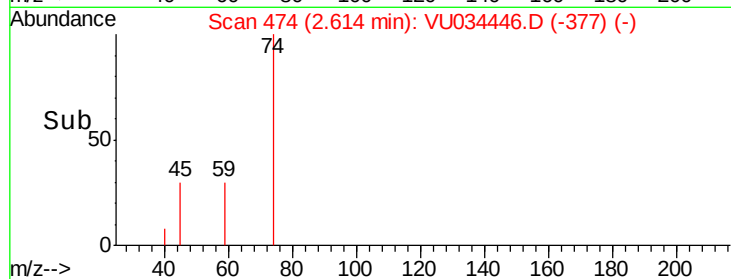
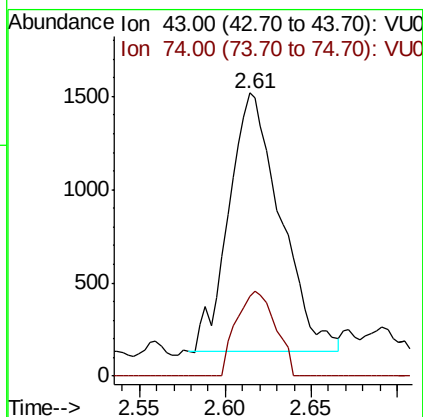
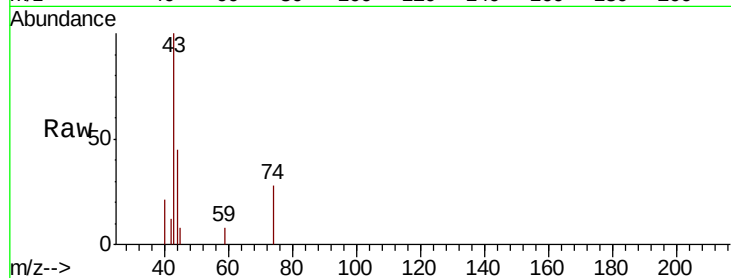




#18
Methyl Acetate
Concen: 0.638 ug/l
RT: 2.61 min Scan# 474
Delta R.T. 0.01 min
Lab File: VU034446.D
Acq: 10 Sep 2019 13:15

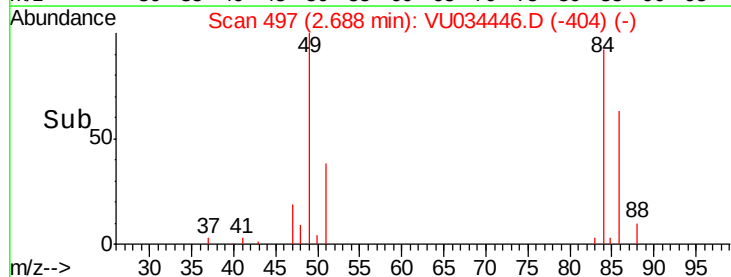
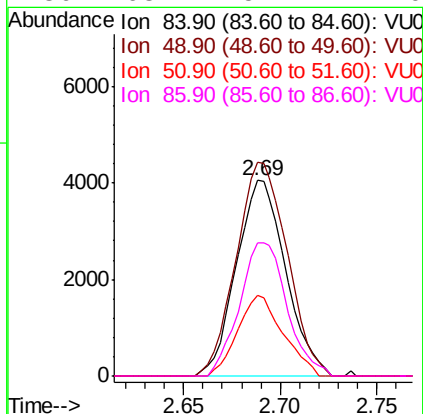
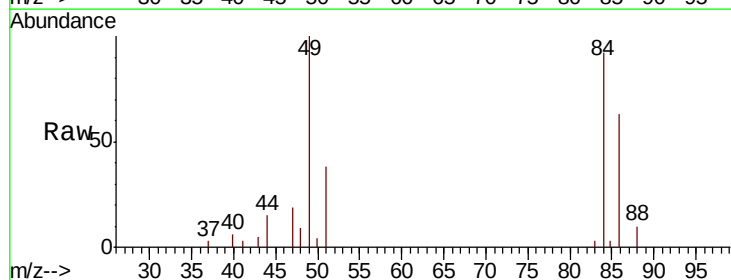
Instrument :
MSVOA_U
ClientSampleId :
PAR-C3-(3.11)

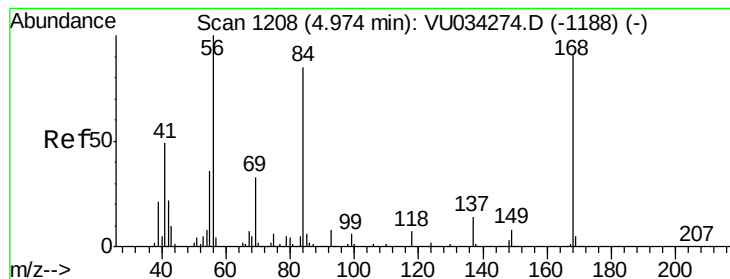
Tgt Ion: 43 Resp: 2910
Ion Ratio Lower Upper
43 100
74 24.9 18.9 28.3



#20
Methylene Chloride
Concen: 1.949 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034446.D
Acq: 10 Sep 2019 13:15

Tgt Ion: 84 Resp: 7166
Ion Ratio Lower Upper
84 100
49 109.3 96.0 144.0
51 41.4 30.0 45.0
86 68.4 51.4 77.0





#31

Cyclohexane

Concen: 0.928 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU034446.D

Acq: 10 Sep 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

PAR-C3-(3.11)

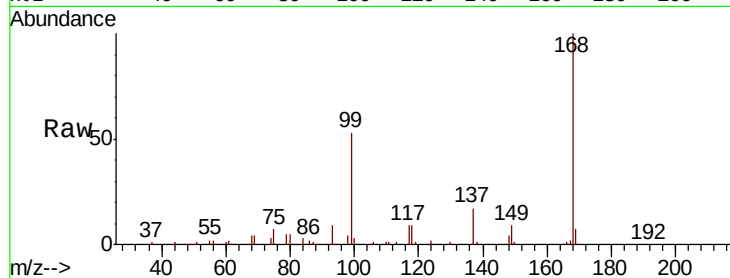
Tgt Ion: 56 Resp: 3940

Ion Ratio Lower Upper

56 100

69 228.7 26.7 40.1#

84 210.3 68.2 102.4#

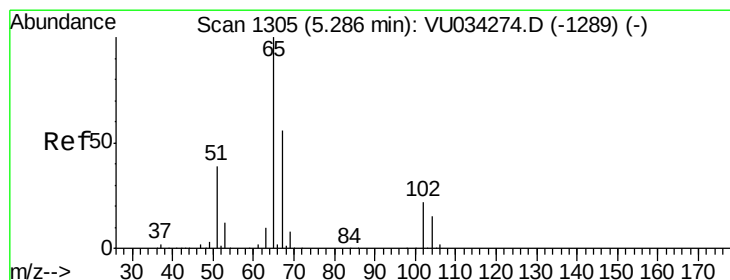
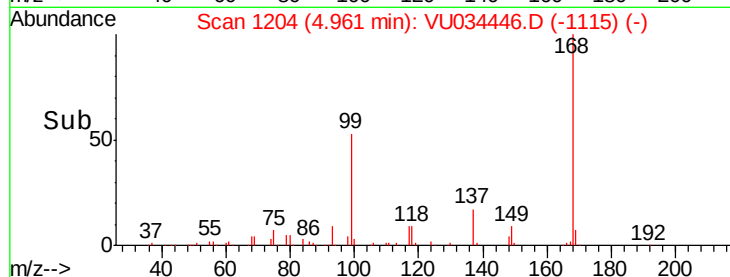
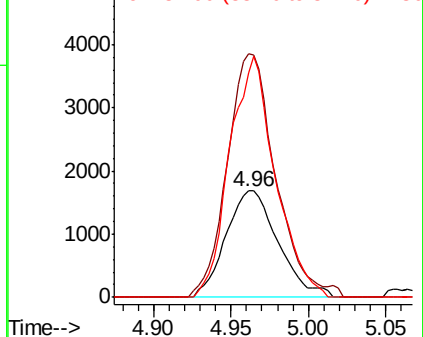


Abundance

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: 56.438 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034446.D

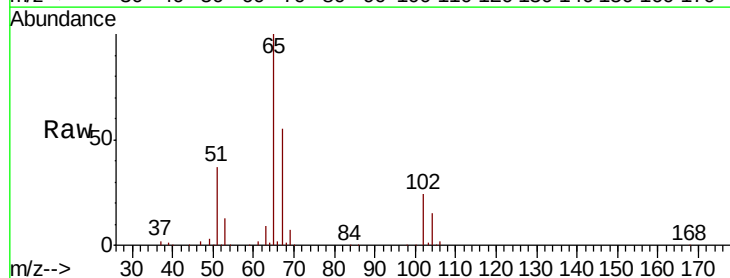
Acq: 10 Sep 2019 13:15

Tgt Ion: 65 Resp: 204481

Ion Ratio Lower Upper

65 100

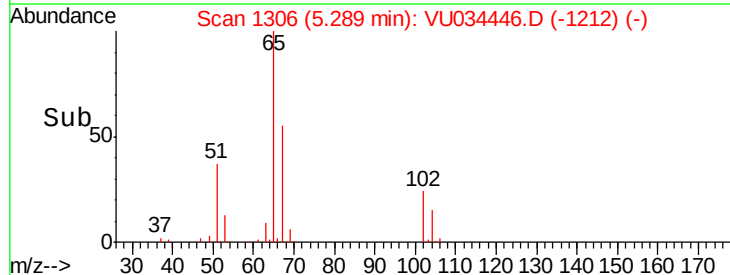
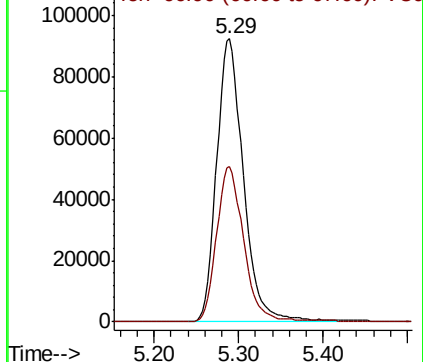
67 55.4 0.0 112.4

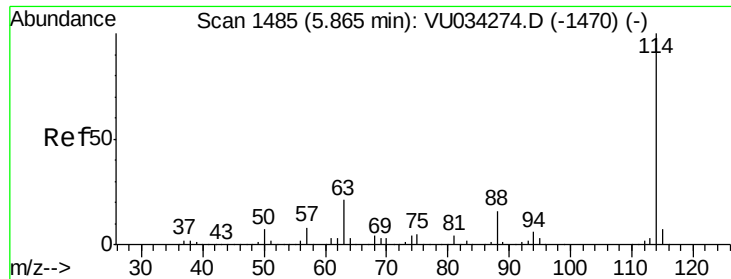


Abundance

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: 5.87 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VU034446.D

Acq: 10 Sep 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

PAR-C3-(3.11)

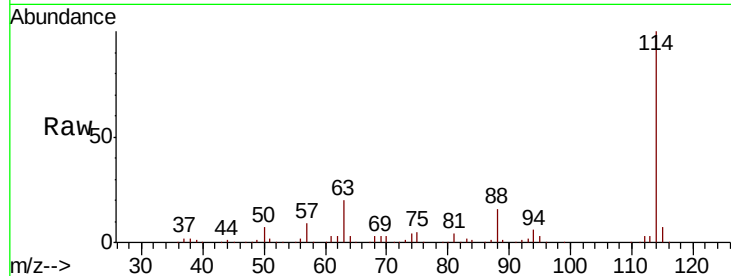
Tgt Ion:114 Resp: 377045

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.4

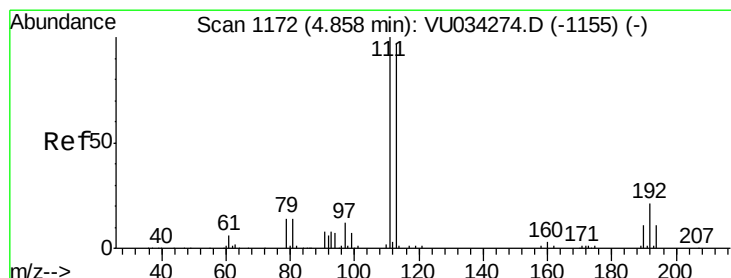
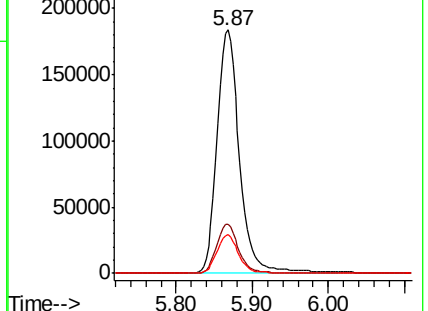
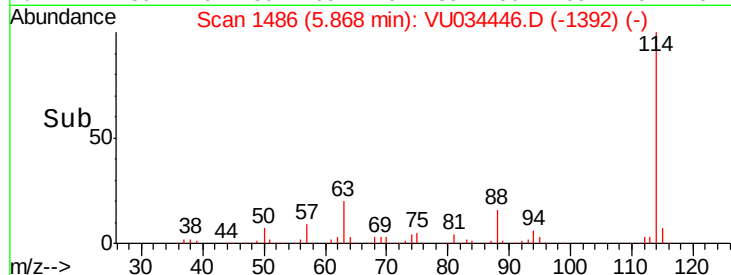
88 15.8 0.0 32.4



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: 51.139 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034446.D

Acq: 10 Sep 2019 13:15

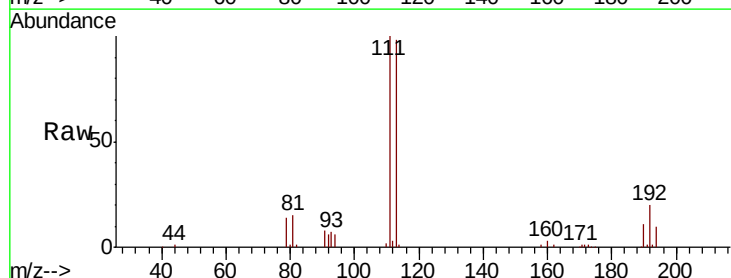
Tgt Ion:113 Resp: 179417

Ion Ratio Lower Upper

113 100

111 101.2 81.5 122.3

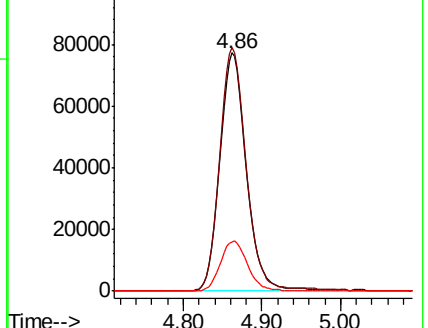
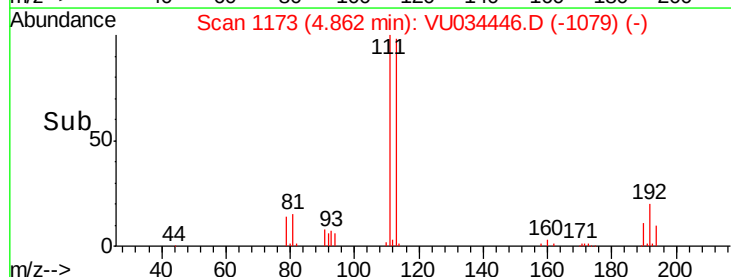
192 21.5 17.8 26.8

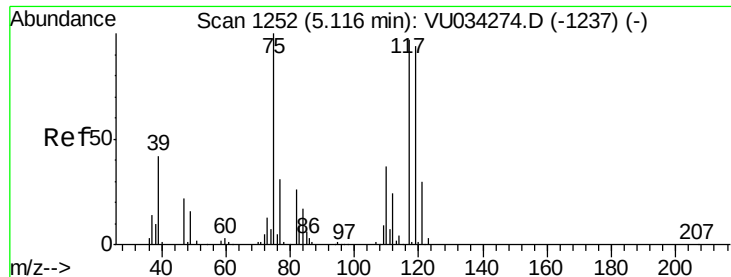


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

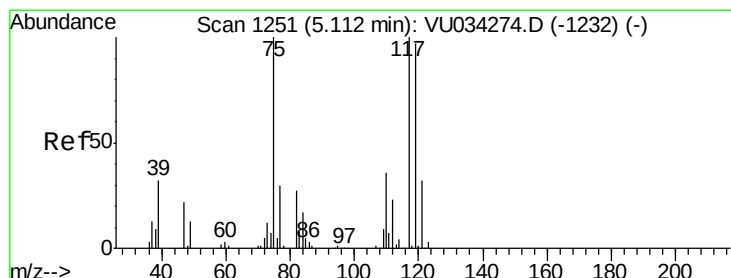
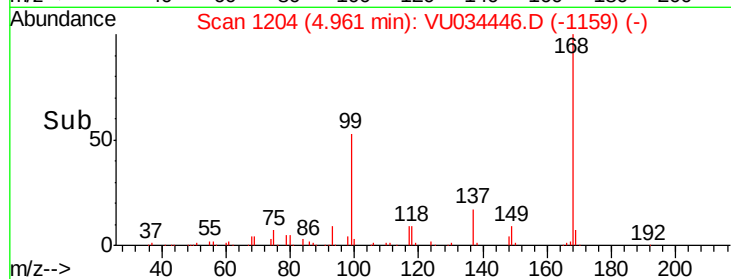
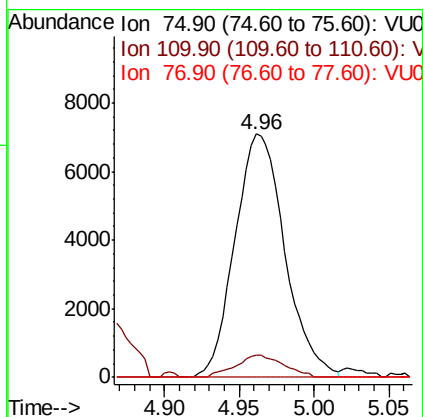
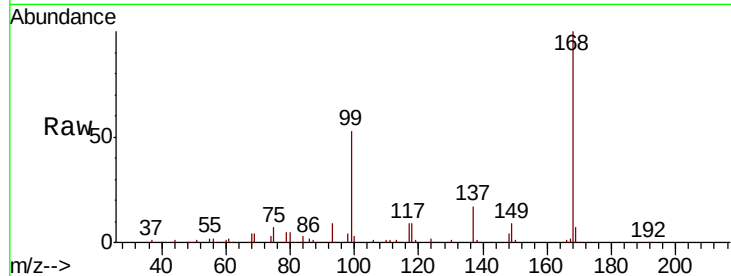




#36
 1,1-Dichloropropene
 Concen: 4.026 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034446.D
 Acq: 10 Sep 2019 13:15

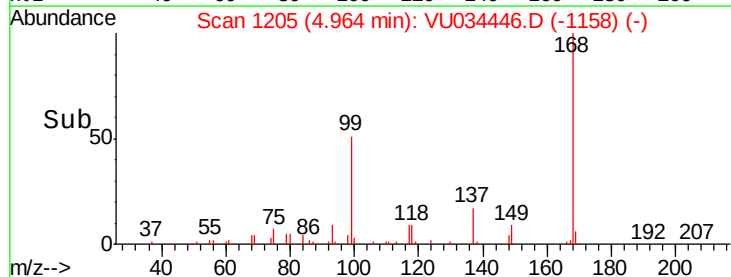
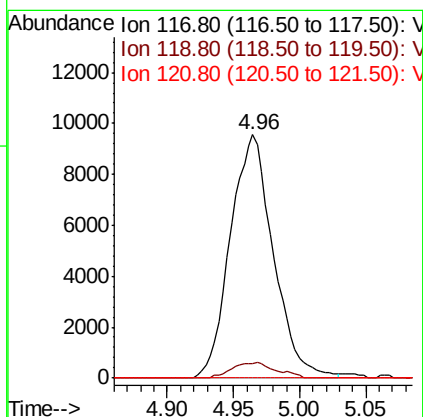
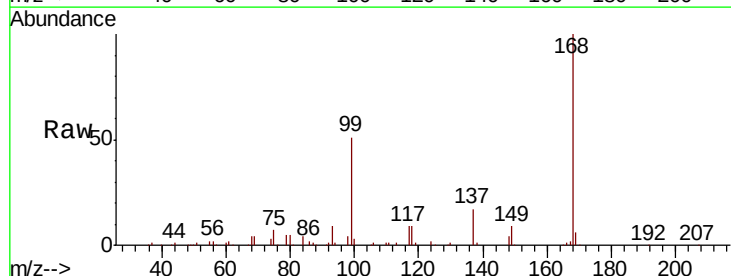
Instrument :
 MSVOA_U
 ClientSampleId :
 PAR-C3-(3.11)

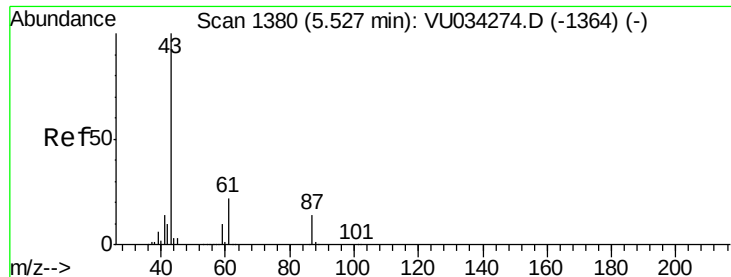
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.3	54.9#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 4.931 ug/l
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.15 min
 Lab File: VU034446.D
 Acq: 10 Sep 2019 13:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	77.8	116.6#
121	0.0	25.2	37.8#





#43

Isopropyl Acetate

Concen: 7.451 ug/l

RT: 5.53 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VU034446.D

Acq: 10 Sep 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

PAR-C3-(3.11)

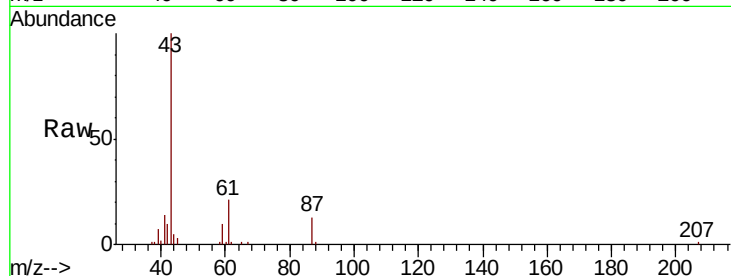
Tgt Ion: 43 Resp: 56193

Ion Ratio Lower Upper

43 100

61 21.6 17.1 25.7

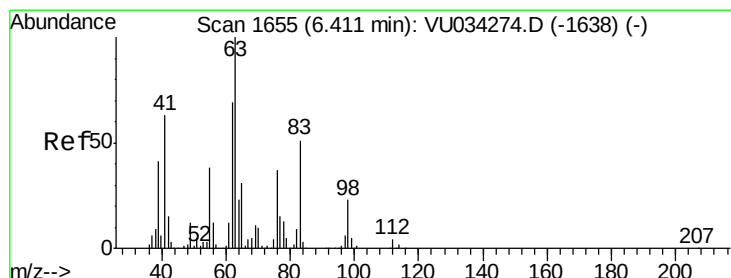
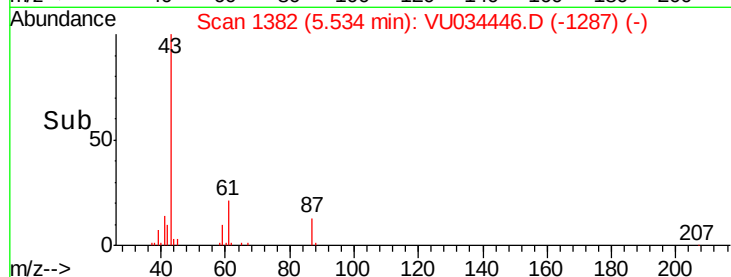
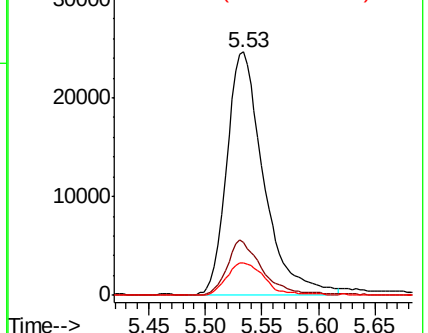
87 13.8 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VU034446.D (-1287) (-)

Ion 61.00 (60.70 to 61.70): VU034446.D (-1287) (-)

Ion 87.00 (86.70 to 87.70): VU034446.D (-1287) (-)



#45

1,2-Dichloropropane

Concen: 0.303 ug/l

RT: 6.68 min Scan# 1739

Delta R.T. 0.27 min

Lab File: VU034446.D

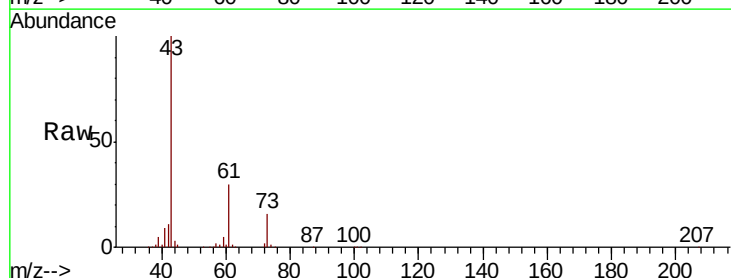
Acq: 10 Sep 2019 13:15

Tgt Ion: 63 Resp: 1168

Ion Ratio Lower Upper

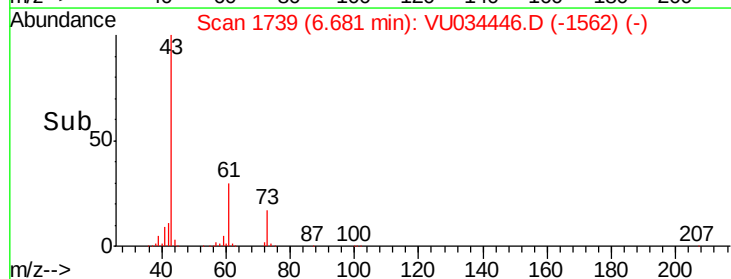
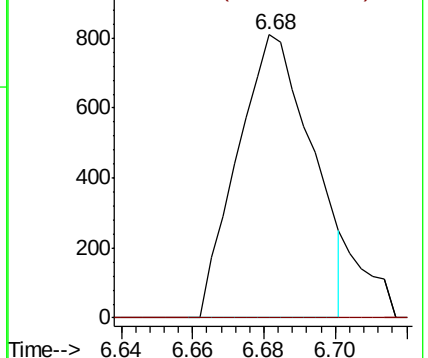
63 100

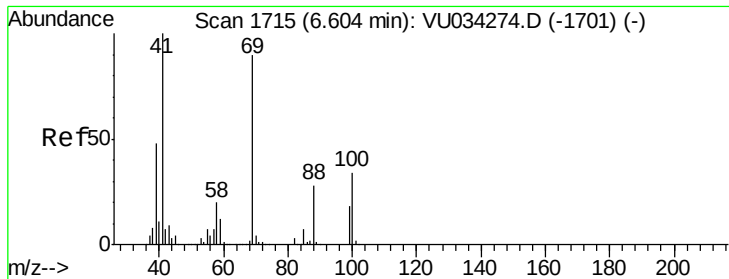
65 0.0 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VU034446.D (-1562) (-)

Ion 64.90 (64.60 to 65.60): VU034446.D (-1562) (-)

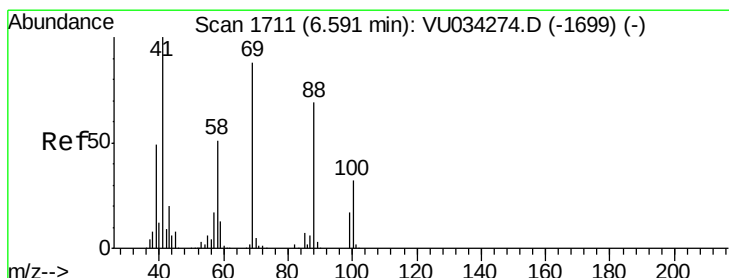
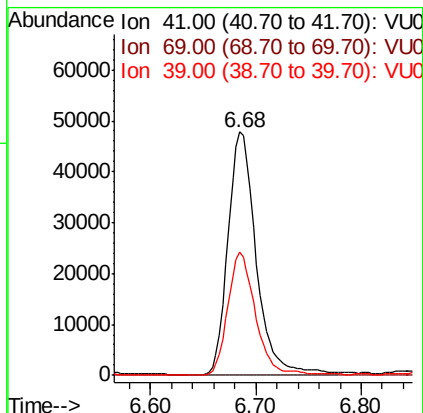
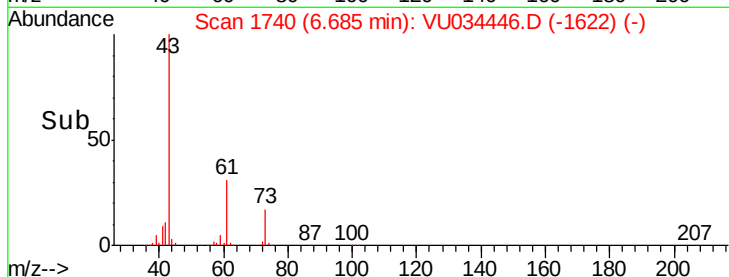
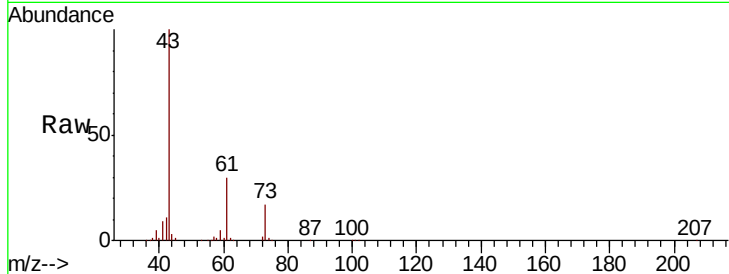




#48
Methyl methacrylate
Concen: 24.674 ug/l
RT: 6.68 min Scan# 1740
Delta R.T. 0.08 min
Lab File: VU034446.D
Acq: 10 Sep 2019 13:15

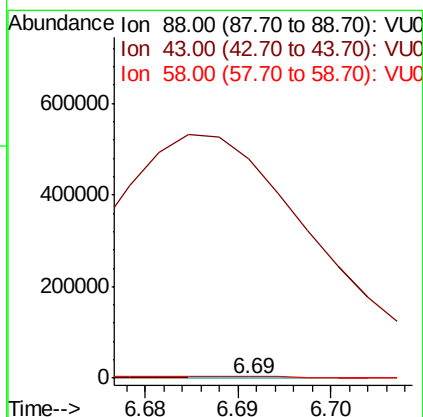
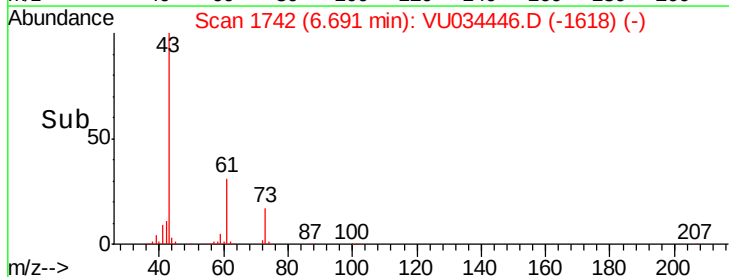
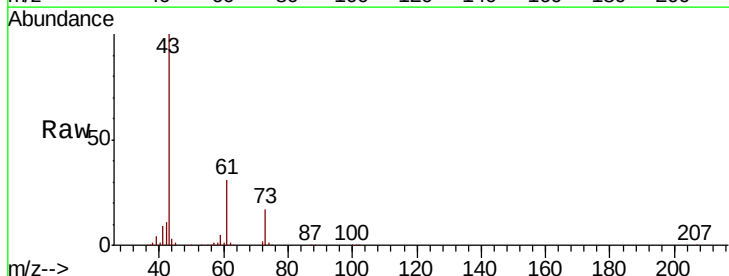
Instrument :
MSVOA_U
ClientSampleId :
PAR-C3-(3.11)

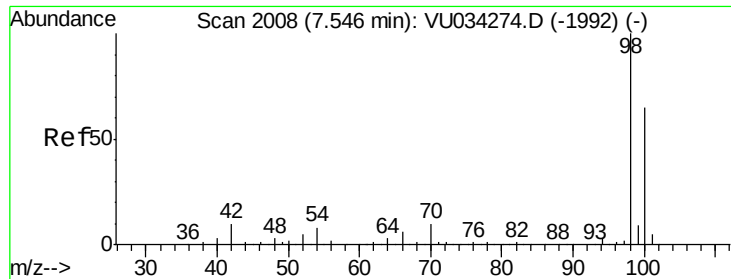
Tgt Ion: 41 Resp: 88384
Ion Ratio Lower Upper
41 100
69 0.0 72.8 109.2#
39 49.9 38.6 58.0



#49
1,4-Dioxane
Concen: 0.563 ug/l
RT: 6.69 min Scan# 1742
Delta R.T. 0.10 min
Lab File: VU034446.D
Acq: 10 Sep 2019 13:15

Tgt Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
43 2184606.8 23.8 35.6#
58 13495.5 58.4 87.6#

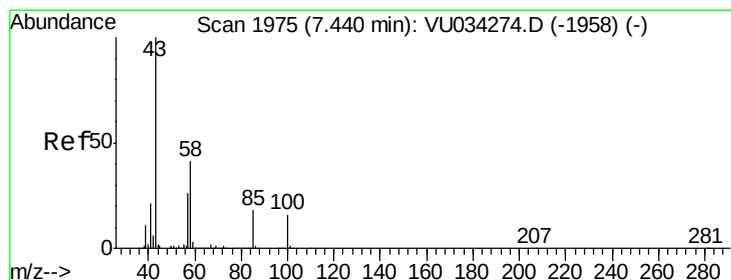
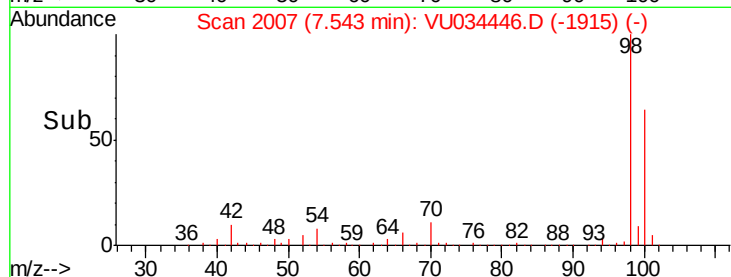
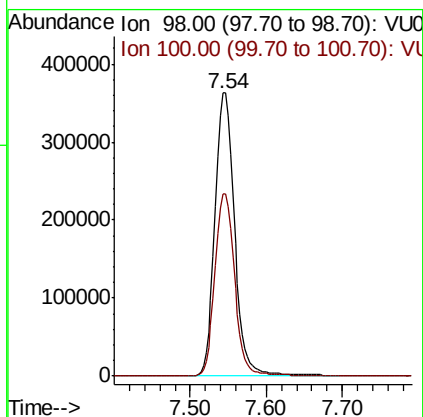
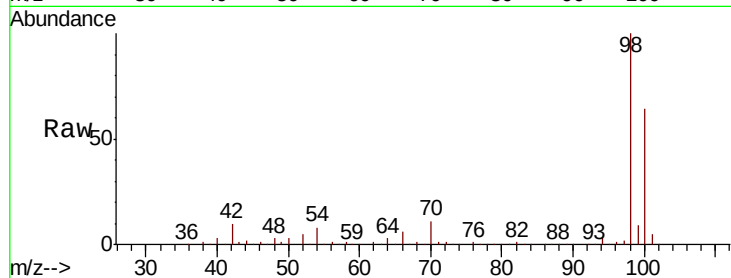




#50
Toluene-d8
Concen: 49.531 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034446.D
Acq: 10 Sep 2019 13:15

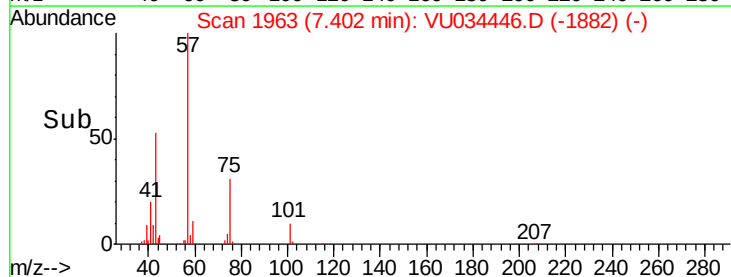
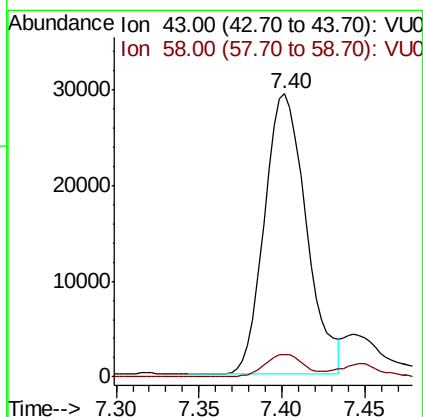
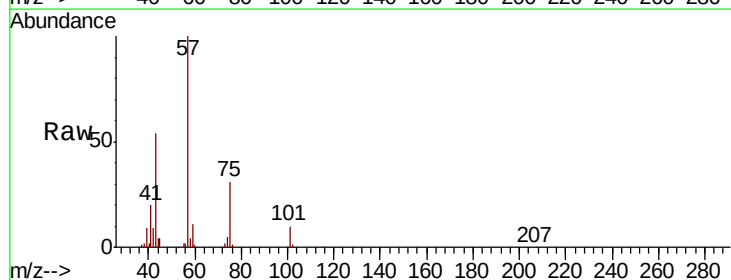
Instrument :
MSVOA_U
ClientSampleId :
PAR-C3-(3.11)

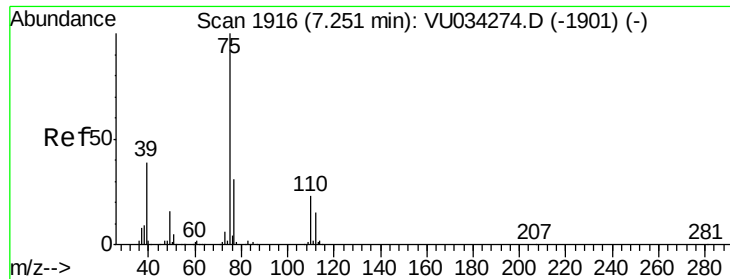
Tgt Ion: 98 Resp: 652873
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 9.854 ug/l
RT: 7.40 min Scan# 1963
Delta R.T. -0.04 min
Lab File: VU034446.D
Acq: 10 Sep 2019 13:15

Tgt Ion: 43 Resp: 51444
Ion Ratio Lower Upper
43 100
58 7.5 33.0 49.4#





#54

cis-1,3-Dichloropropene

Concen: 4.976 ug/l

RT: 7.40 min Scan# 1963

Delta R.T. 0.15 min

Lab File: VU034446.D

Acq: 10 Sep 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

PAR-C3-(3.11)

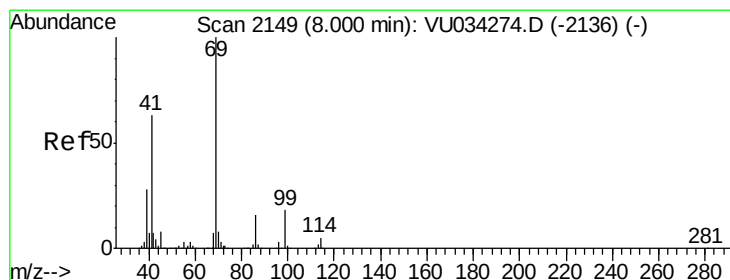
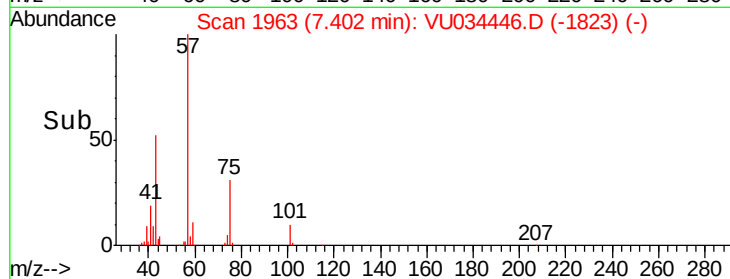
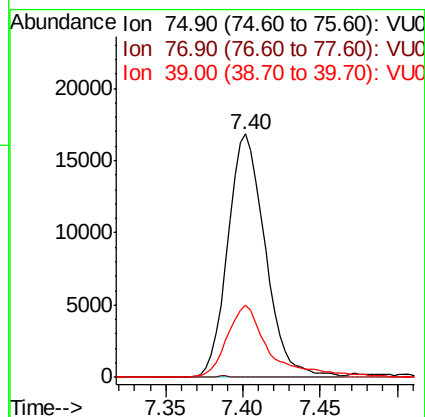
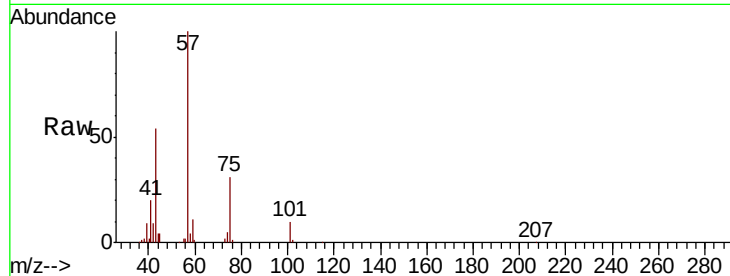
Tgt Ion: 75 Resp: 28217

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

39 29.4 31.2 46.8#



#56

Ethyl methacrylate

Concen: 3.116 ug/l

RT: 7.94 min Scan# 2131

Delta R.T. -0.06 min

Lab File: VU034446.D

Acq: 10 Sep 2019 13:15

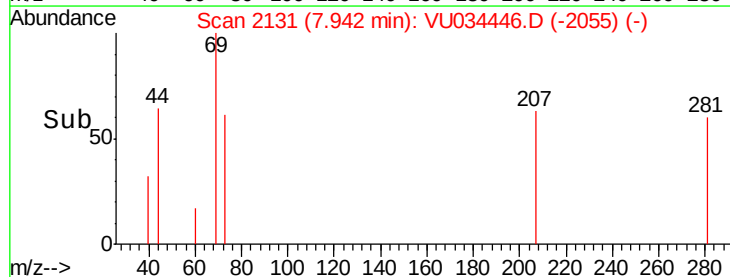
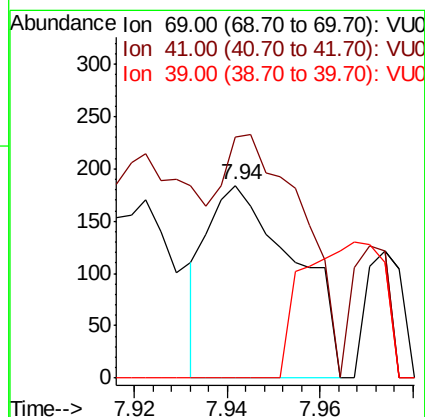
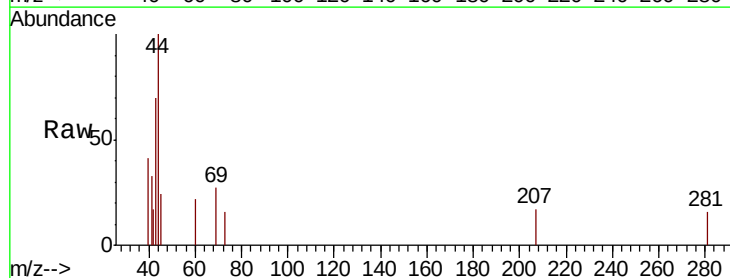
Tgt Ion: 69 Resp: 239

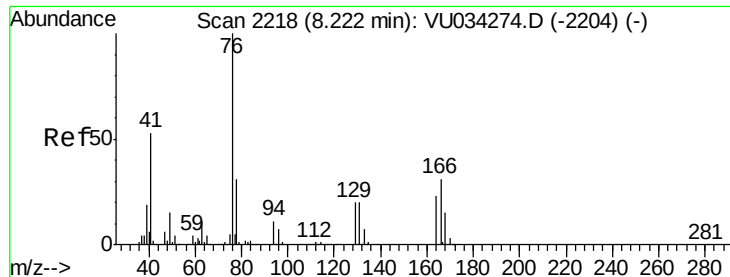
Ion Ratio Lower Upper

69 100

41 0.0 49.5 74.3#

39 0.0 22.5 33.7#

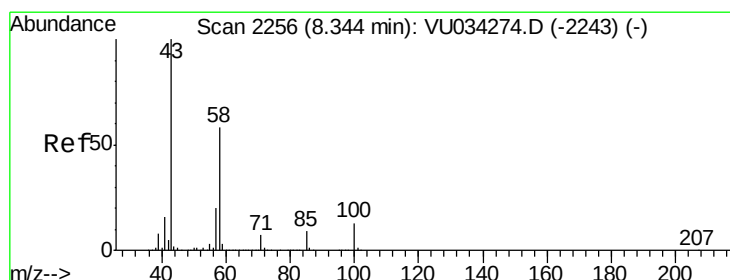
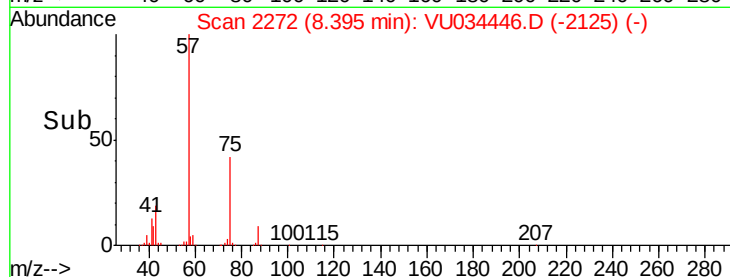
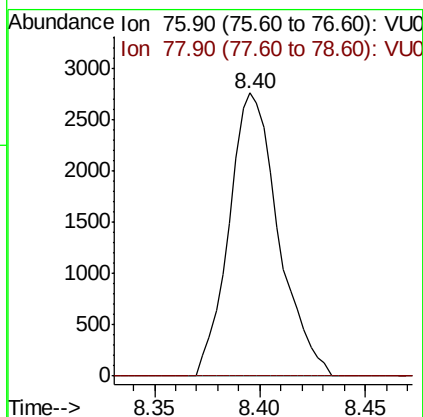
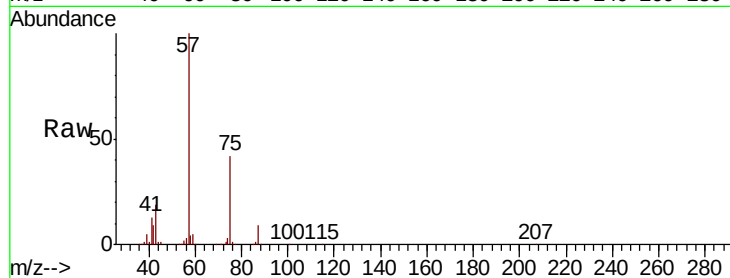




#57
 1,3-Dichloropropane
 Concen: 0.736 ug/l
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.17 min
 Lab File: VU034446.D
 Acq: 10 Sep 2019 13:15

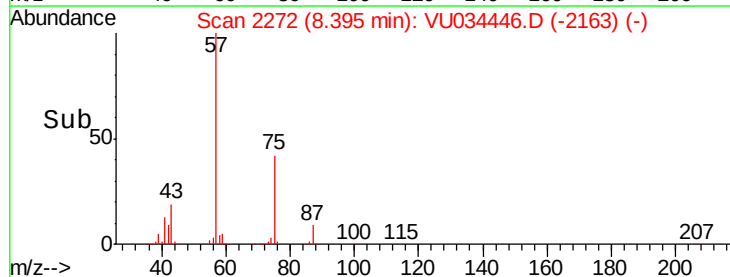
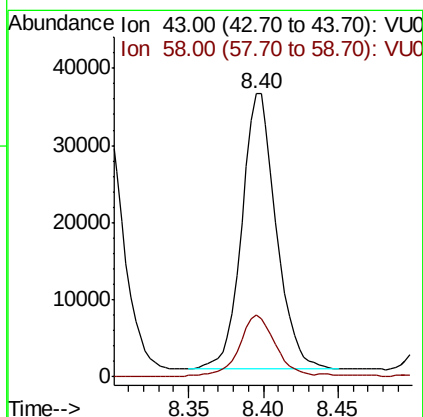
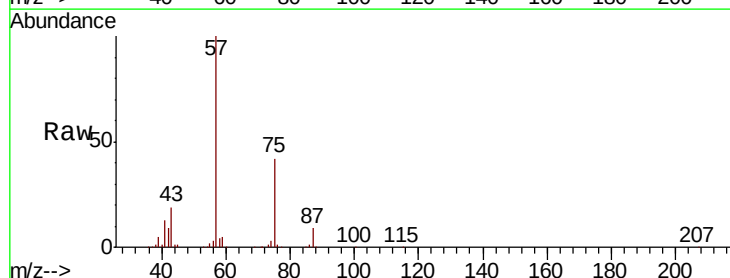
Instrument :
 MSVOA_U
 ClientSampleId :
 PAR-C3-(3.11)

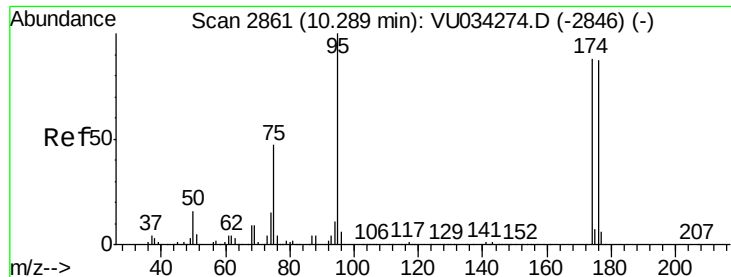
Tgt Ion: 76 Resp: 4505
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.2#



#59
 2-Hexanone
 Concen: 14.661 ug/l
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.05 min
 Lab File: VU034446.D
 Acq: 10 Sep 2019 13:15

Tgt Ion: 43 Resp: 57179
 Ion Ratio Lower Upper
 43 100
 58 24.0 28.8 86.5#

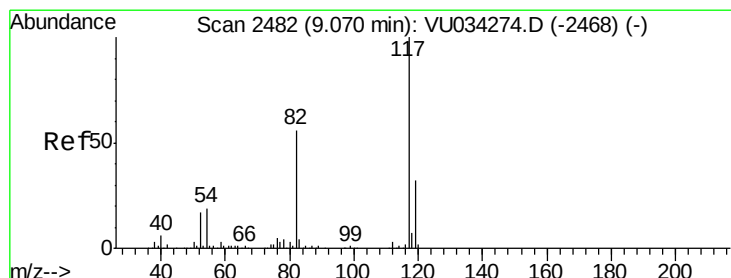
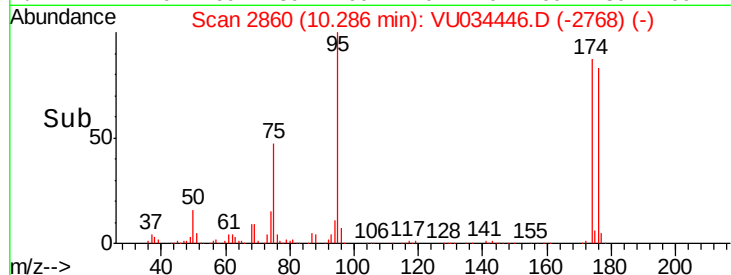
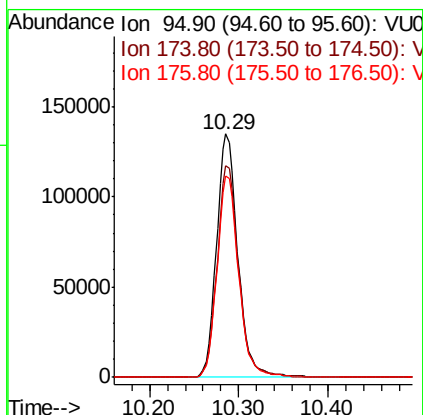
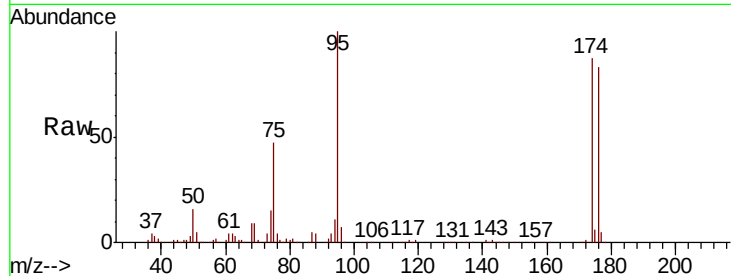




#62
4-Bromofluorobenzene
Concen: 43.777 ug/l
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VU034446.D
Acq: 10 Sep 2019 13:15

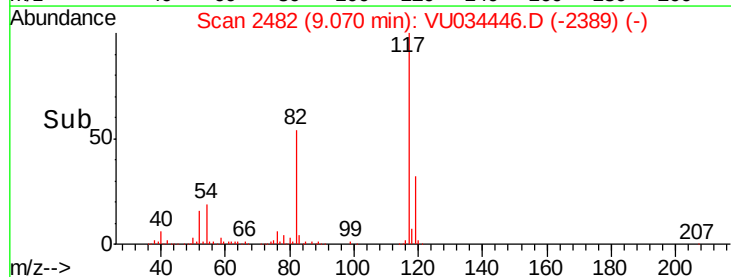
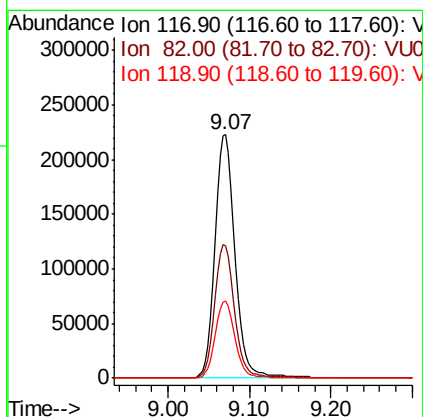
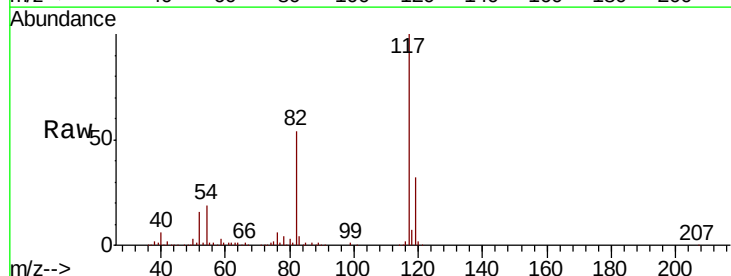
Instrument :
MSVOA_U
ClientSampleId :
PAR-C3-(3.11)

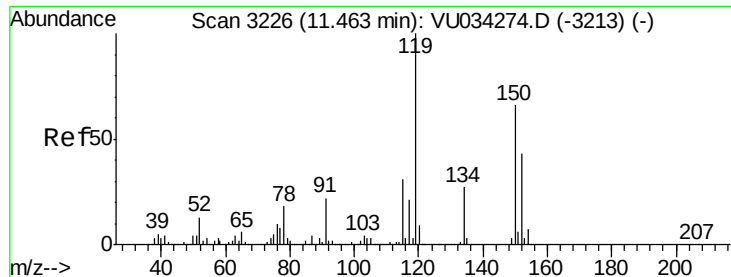
Tgt Ion: 95 Resp: 222788
Ion Ratio Lower Upper
95 100
174 88.1 0.0 175.2
176 84.3 0.0 168.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034446.D
Acq: 10 Sep 2019 13:15

Tgt Ion: 117 Resp: 390371
Ion Ratio Lower Upper
117 100
82 54.4 44.6 67.0
119 31.7 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: VU034446.D

Acq: 10 Sep 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

PAR-C3-(3.11)

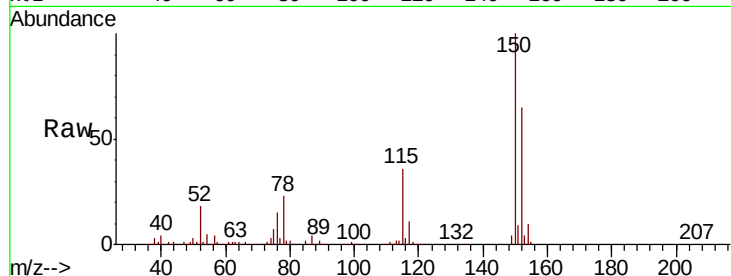
Tgt Ion:152 Resp: 211148

Ion Ratio Lower Upper

152 100

115 56.1 39.1 117.3

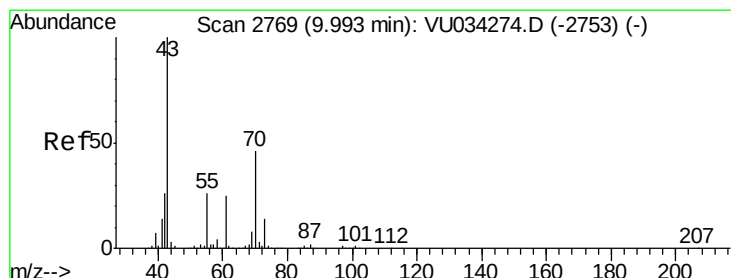
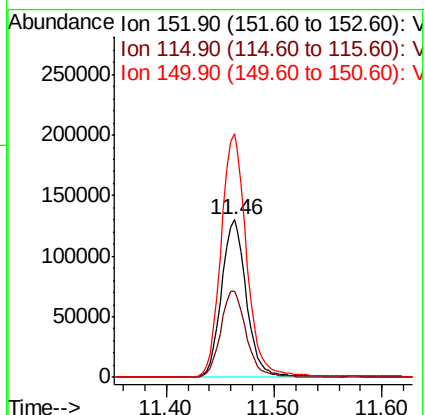
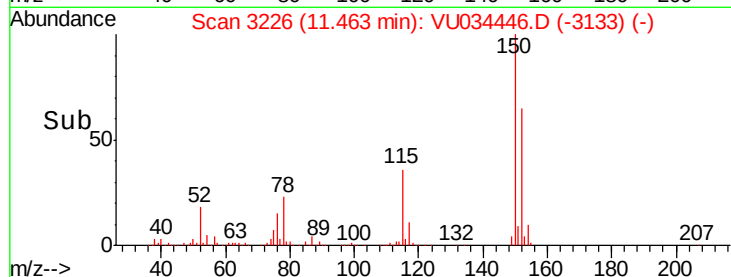
150 157.5 0.0 345.4



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



#74

N-ethyl acetate

Concen: 0.292 ug/l

RT: 9.92 min Scan# 2747

Delta R.T. -0.07 min

Lab File: VU034446.D

Acq: 10 Sep 2019 13:15

Tgt Ion: 43 Resp: 1617

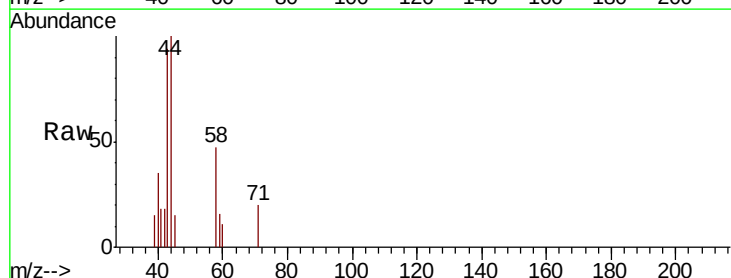
Ion Ratio Lower Upper

43 100

70 0.0 36.4 54.6#

55 2.6 21.2 31.8#

61 0.0 20.4 30.6#

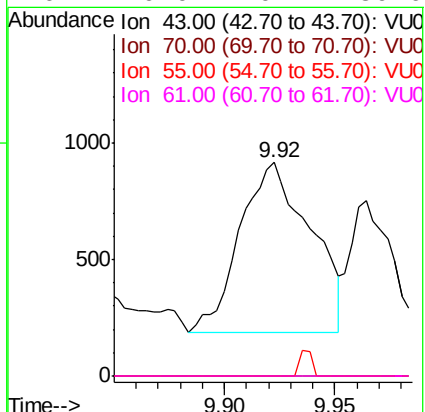
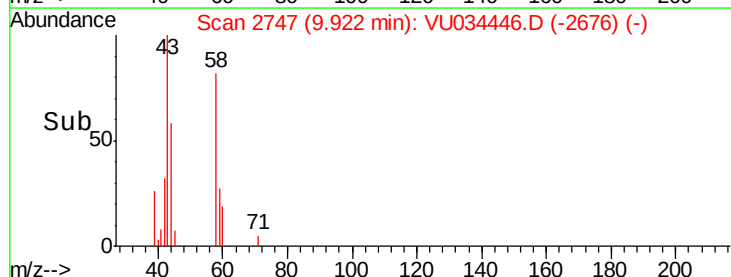


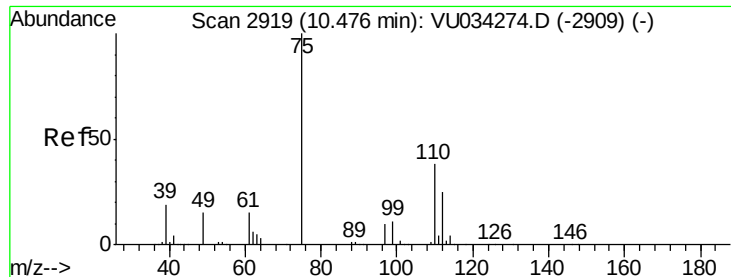
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#76

1,2,3-Trichloropropane

Concen: 22.508 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.19 min

Lab File: VU034446.D

Acq: 10 Sep 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

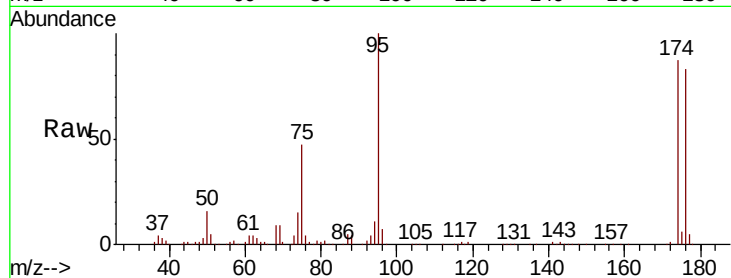
PAR-C3-(3.11)

Tgt Ion: 75 Resp: 103741

Ion Ratio Lower Upper

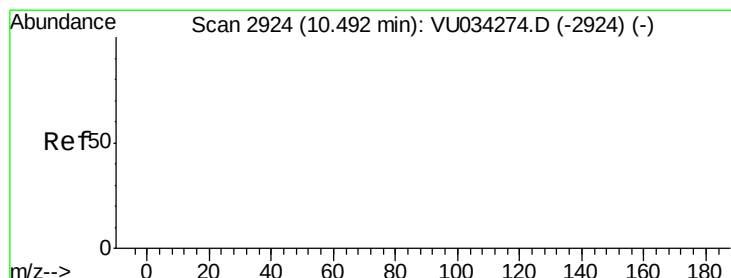
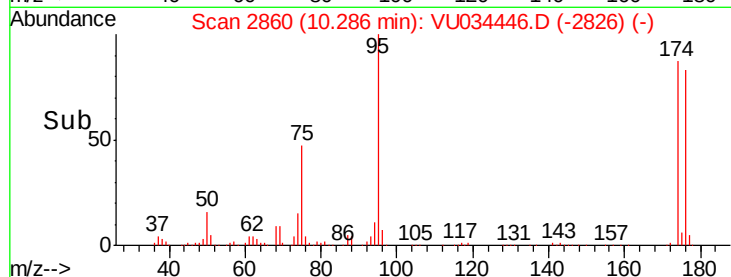
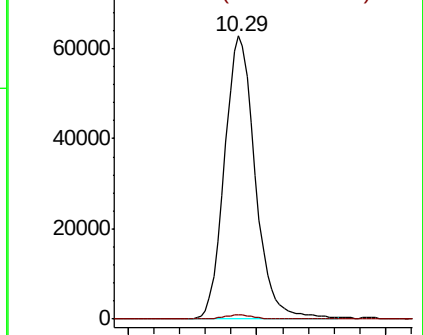
75 100

77 1.3 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: 75.694 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.21 min

Lab File: VU034446.D

Acq: 10 Sep 2019 13:15

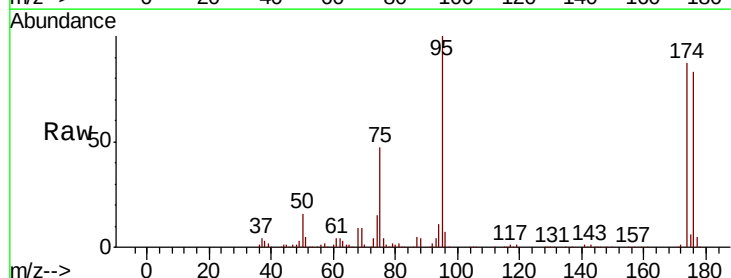
Tgt Ion: 75 Resp: 103741

Ion Ratio Lower Upper

75 100

53 0.1 0.0 0.0#

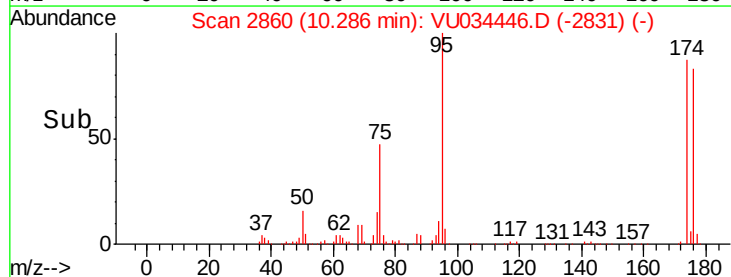
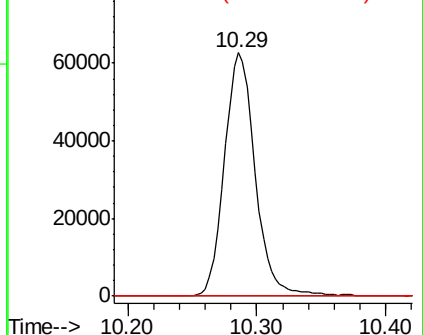
89 0.0 0.0 0.0

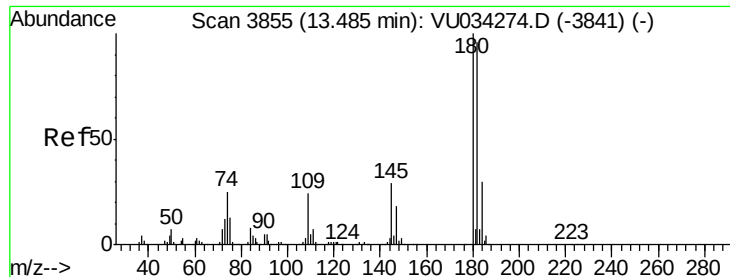


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

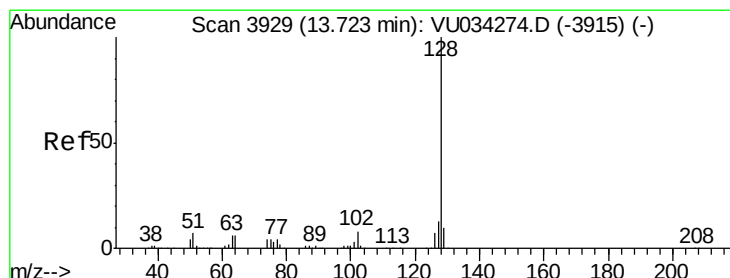
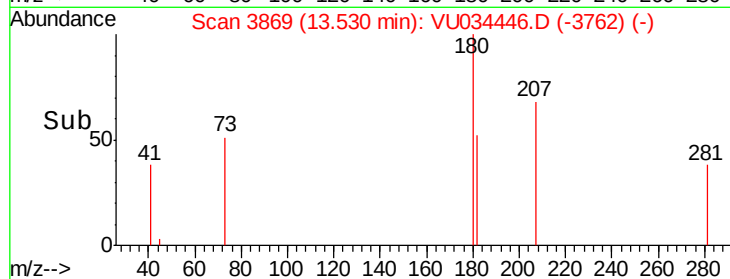
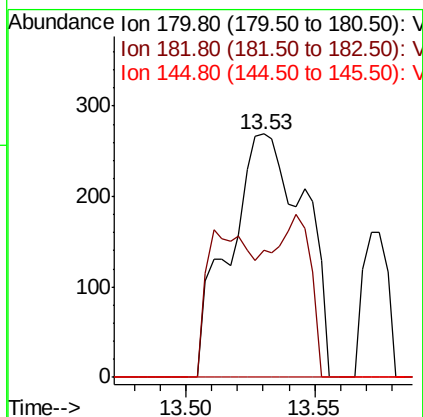
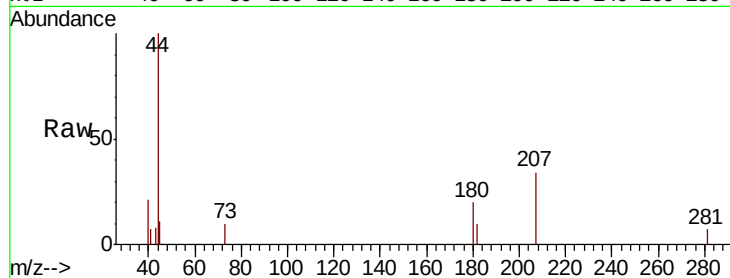




#93
 1,2,4-Trichlorobenzene
 Concen: 3.553 ug/l
 RT: 13.53 min Scan# 3869
 Delta R.T. 0.05 min
 Lab File: VU034446.D
 Acq: 10 Sep 2019 13:15

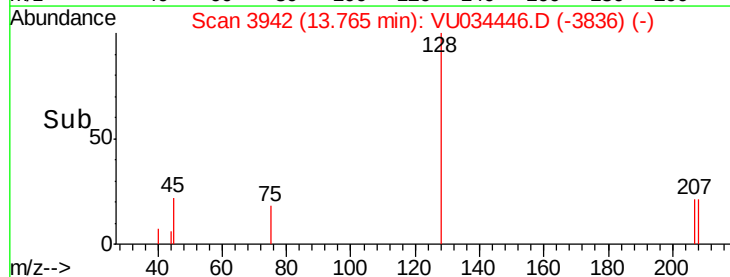
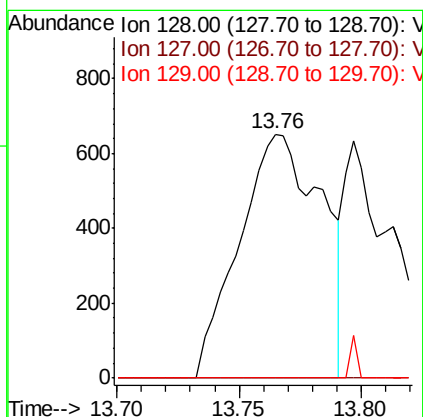
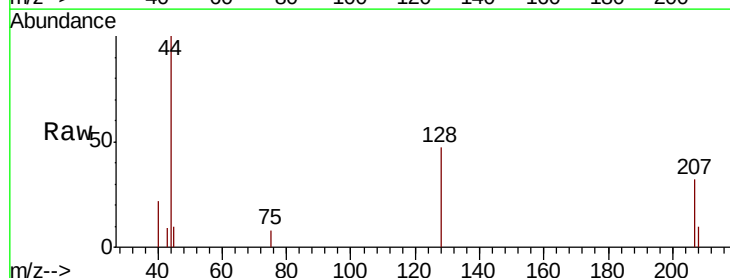
Instrument :
 MSVOA_U
 ClientSampleId :
 PAR-C3-(3.11)

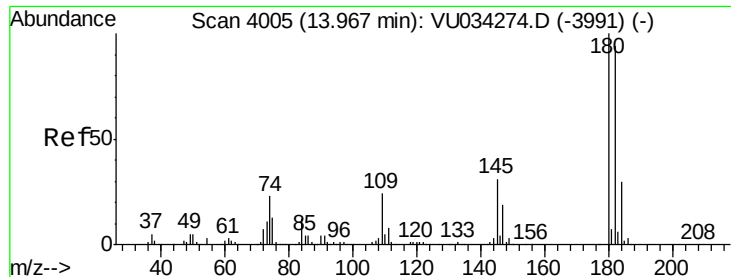
Tgt Ion:180 Resp: 545
 Ion Ratio Lower Upper
 180 100
 182 35.6 47.9 143.8#
 145 0.0 14.4 43.0#



#95
 Naphthalene
 Concen: 4.066 ug/l
 RT: 13.76 min Scan# 3942
 Delta R.T. 0.04 min
 Lab File: VU034446.D
 Acq: 10 Sep 2019 13:15

Tgt Ion:128 Resp: 1528
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 15.8#
 129 0.0 8.4 12.6#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.729 ug/l
 RT: 13.99 min Scan# 4012
 Delta R.T. 0.02 min
 Lab File: VU034446.D
 Acq: 10 Sep 2019 13:15

Instrument :
 MSVOA_U
 ClientSampleId :
 PAR-C3-(3.11)

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.4	145.0
145	0.0	15.4	46.4#

