

Data File : VU034430.D
Acq On : 09 Sep 2019 13:59
Operator : JC/SP
Sample : K4725-10DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
S13-0274DL

Quant Time: Sep 10 05:39:34 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	255384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	377892	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	380073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	243012	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	213339	55.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.42%	
35) Dibromofluoromethane	4.86	113	188868	53.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.42%	
50) Toluene-d8	7.54	98	682092	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
62) 4-Bromofluorobenzene	10.29	95	242104	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	

Target Compounds

					Qvalue
5) Bromomethane	1.63	94	1131	Below Cal	82
6) Chloroethane	1.67	64	50	Below Cal	# 43
10) Methyl Iodide	2.41	142	390	3.980 ug/l	# 81
11) Tert butyl alcohol	2.83	59	1979	2.424 ug/l	# 73
13) Acrolein	2.20	56	333	0.485 ug/l	92
15) Acrylonitrile	2.96	53	480	0.236 ug/l	# 45
16) Acetone	2.31	43	1595	0.798 ug/l	# 85
17) Carbon Disulfide	2.47	76	1639	0.262 ug/l	# 81
18) Methyl Acetate	2.61	43	1272	0.261 ug/l	# 74
19) Methyl tert-butyl Ether	2.99	73	9360	0.924 ug/l	# 74
20) Methylene Chloride	2.69	84	506	Below Cal	# 82
31) Cyclohexane	4.96	56	5455	1.205 ug/l	# 1
36) 1,1-Dichloropropene	4.96	75	16783	4.095 ug/l	# 49
38) Carbon Tetrachloride	4.96	117	22353	5.108 ug/l	# 16
39) Methylcyclohexane	6.39	83	4149	0.947 ug/l	# 89
40) Benzene	5.37	78	88757	6.712 ug/l	100
49) 1,4-Dioxane	6.60	88	237	3.023 ug/l	# 27
51) 4-Methyl-2-Pentanone	7.45	43	3960	0.757 ug/l	98
55) 1,1,2-Trichloroethane	8.03	97	1060	0.281 ug/l	# 15
56) Ethyl methacrylate	8.03	69	413	3.144 ug/l	# 28
59) 2-Hexanone	8.37	43	3281	0.839 ug/l	# 42
67) Ethyl Benzene	9.23	91	8566	0.543 ug/l	91
68) m/p-Xylenes	9.36	106	31820	5.360 ug/l	97
69) o-Xylene	9.76	106	2408	0.415 ug/l	86
73) Isopropylbenzene	10.15	105	30543	1.931 ug/l	99
76) 1,2,3-Trichloropropane	10.29	75	109585	20.659 ug/l	# 35
78) n-propylbenzene	10.57	91	53922	2.952 ug/l	100
79) 2-Chlorotoluene	10.75	91	5049	0.453 ug/l	71
80) 1,3,5-Trimethylbenzene	10.75	105	21297	1.610 ug/l	96
81) trans-1,4-Dichloro-2-buten	10.29	75	109585	69.474 ug/l	# 100
82) 4-Chlorotoluene	10.75	91	5049	0.394 ug/l	76
83) tert-Butylbenzene	11.08	119	7081	0.535 ug/l	91
84) 1,2,4-Trimethylbenzene	11.13	105	506625	38.052 ug/l	99
85) sec-Butylbenzene	11.30	105	17217	1.102 ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090919\
Quantitation Report (Not Reviewed)

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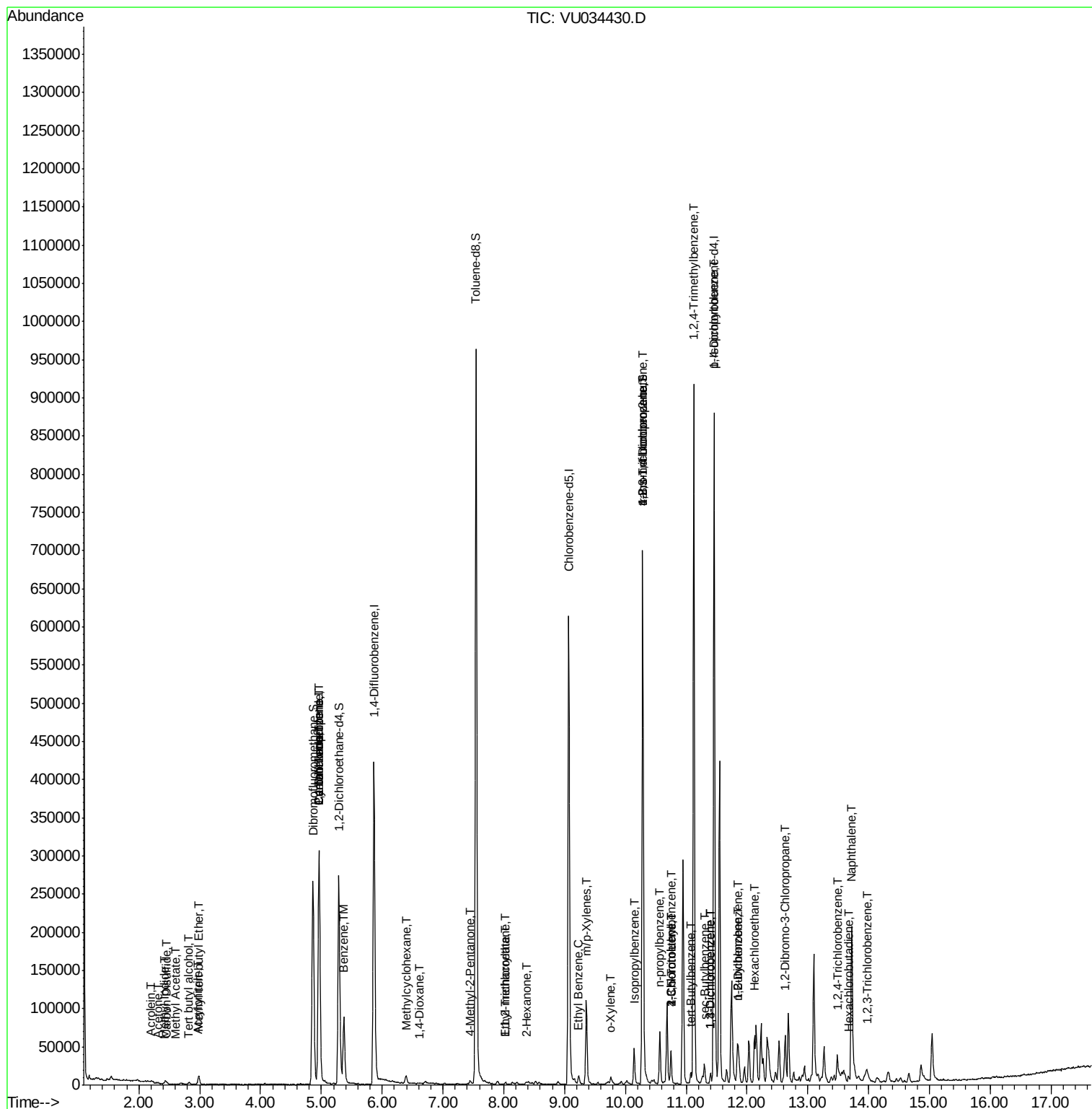
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	11.45	119	16670	1.156	ug/l	94
87) 1,3-Dichlorobenzene	11.40	146	2287	0.283	ug/l	96
88) 1,4-Dichlorobenzene	11.40	146	2287	0.272	ug/l	95
89) n-Butylbenzene	11.86	91	13845	1.105	ug/l #	73
90) Hexachloroethane	12.12	117	4405	1.910	ug/l #	7
91) 1,2-Dichlorobenzene	11.86	146	2380	0.300	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.64	75	590	0.502	ug/l #	48
93) 1,2,4-Trichlorobenzene	13.49	180	5225	4.297	ug/l #	91
94) Hexachlorobutadiene	13.67	225	1900	0.685	ug/l	94
95) Naphthalene	13.72	128	198762	15.265	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	5980	3.658	ug/l	92

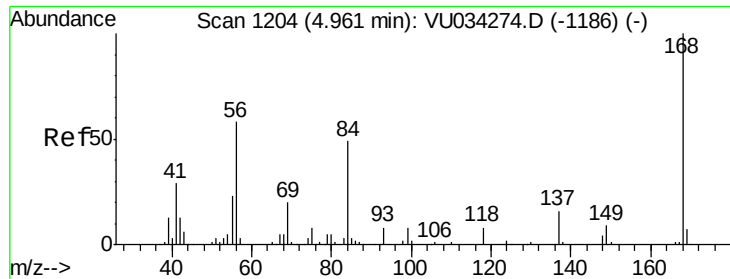
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

Instrument :

MSVOA_U

ClientSampleId :

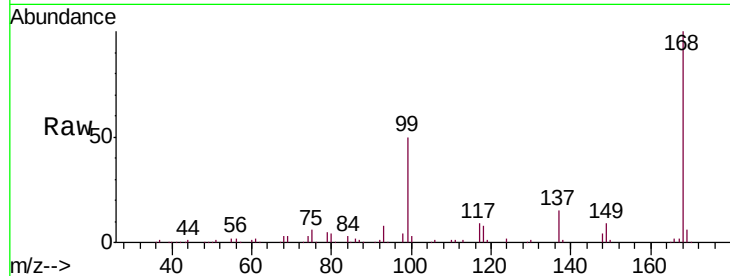
S13-0274DL

Tgt Ion:168 Resp: 255384

Ion Ratio Lower Upper

168 100

99 50.4 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034430.D (-1111) (-)

Ion 98.90 (98.60 to 99.60): VU034430.D (-1111) (-)

4.96

120000

100000

80000

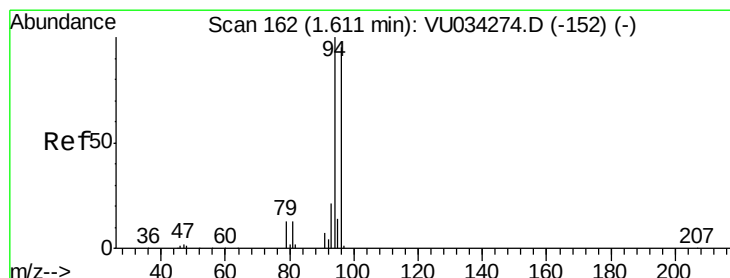
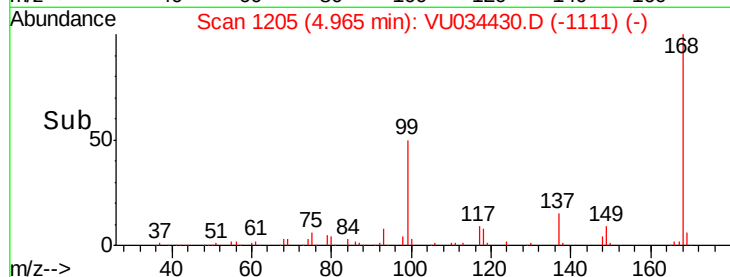
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 168

Delta R.T. 0.02 min

Lab File: VU034430.D

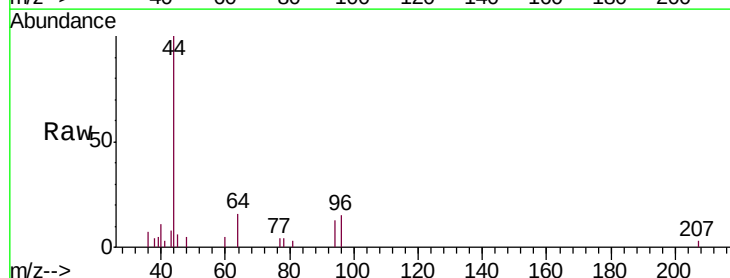
Acq: 09 Sep 2019 13:59

Tgt Ion: 94 Resp: 1131

Ion Ratio Lower Upper

94 100

96 112.4 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034430.D (-68) (-)

Ion 95.90 (95.60 to 96.60): VU034430.D (-68) (-)

1.63

600

500

400

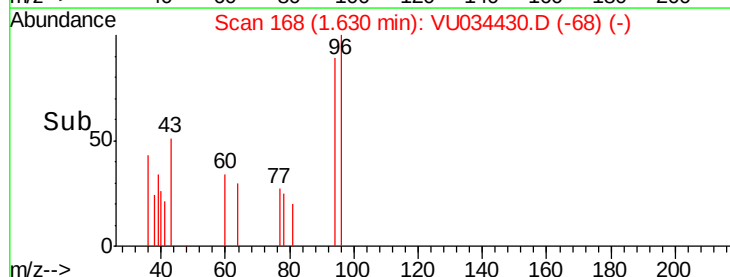
300

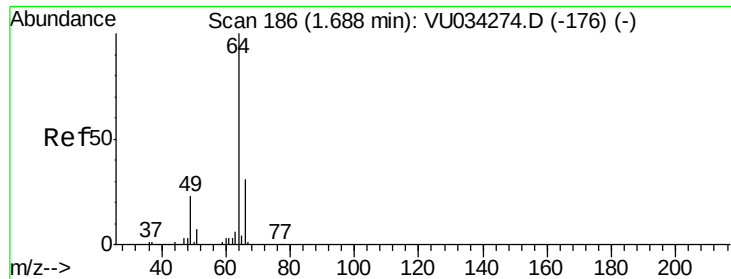
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 181

Delta R.T. -0.02 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

Instrument :

MSVOA_U

ClientSampleId :

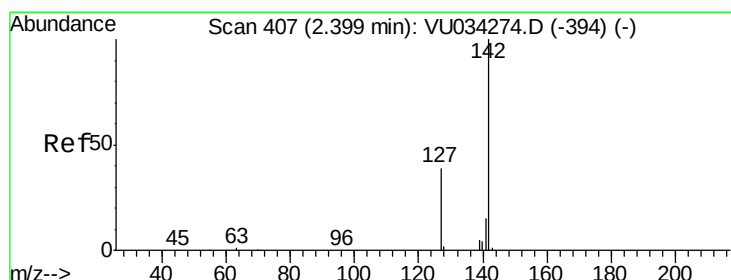
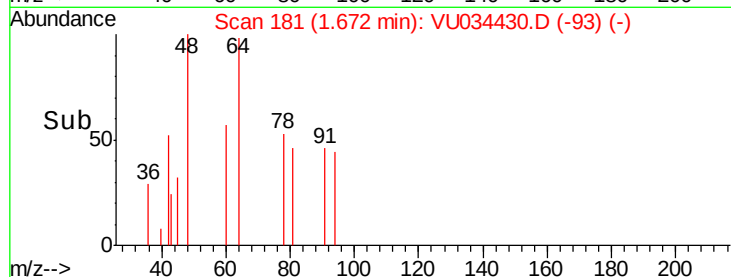
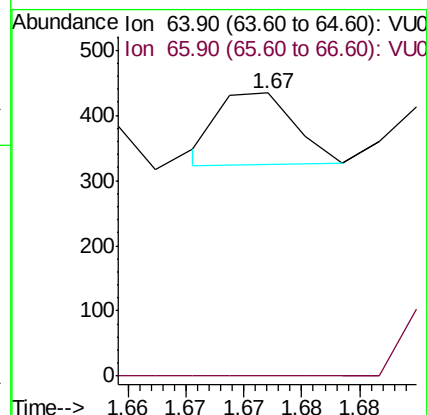
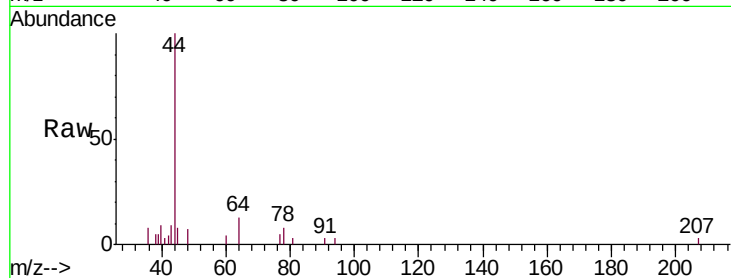
S13-0274DL

Tgt Ion: 64 Resp: 50

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



#10

Methyl Iodide

Concen: 3.980 ug/l

RT: 2.41 min Scan# 409

Delta R.T. 0.01 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

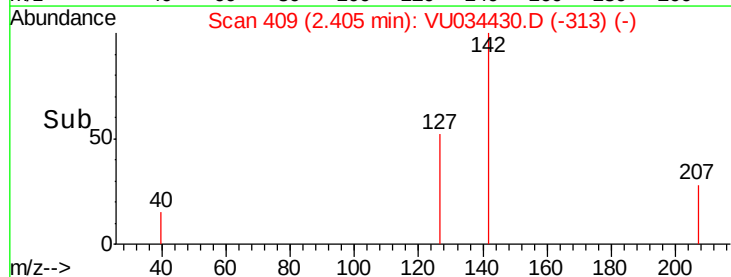
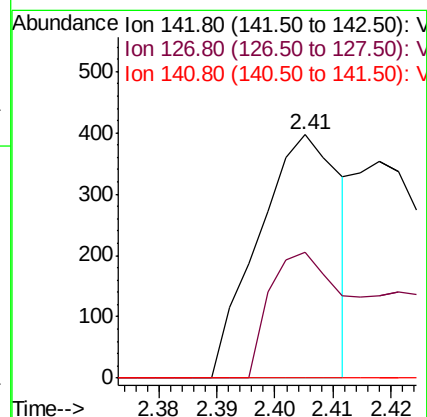
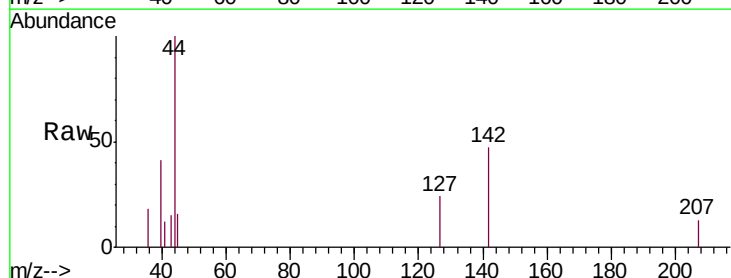
Tgt Ion: 142 Resp: 390

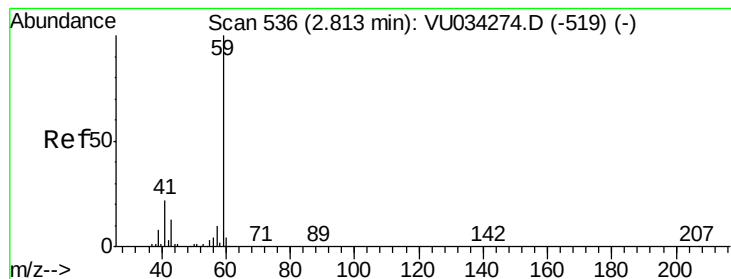
Ion Ratio Lower Upper

142 100

127 48.2 32.1 48.1#

141 0.0 11.5 17.3#





#11

Tert butyl alcohol

Concen: 2.424 ug/l

RT: 2.83 min Scan# 540

Delta R.T. 0.01 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

Instrument :

MSVOA_U

ClientSampleId :

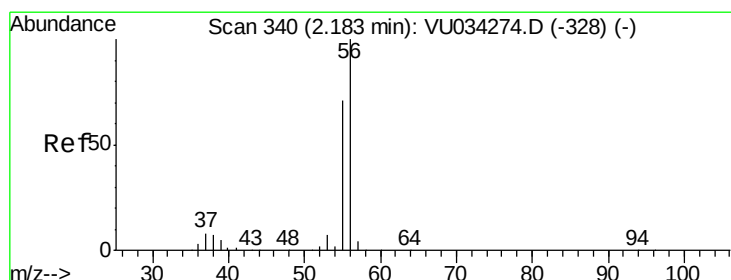
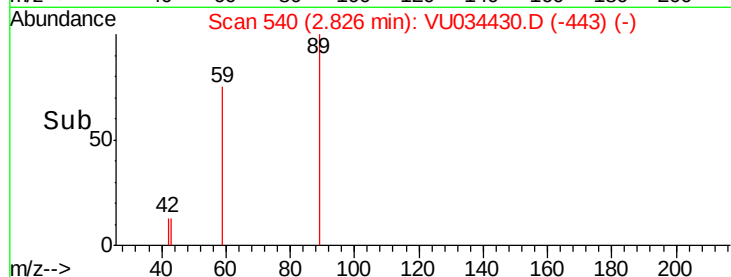
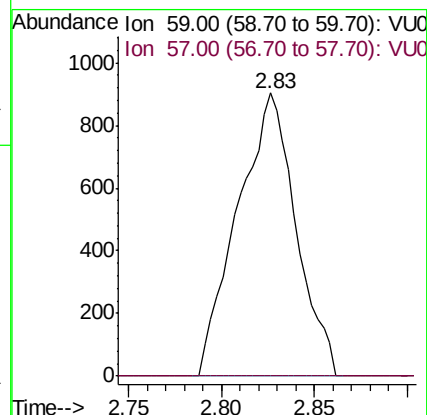
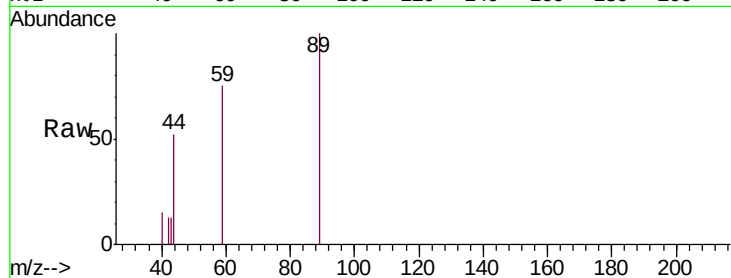
S13-0274DL

Tgt Ion: 59 Resp: 1979

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



#13

Acrolein

Concen: 0.485 ug/l

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

Lab File: VU034430.D

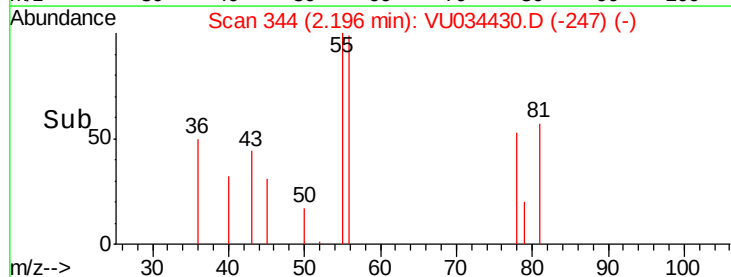
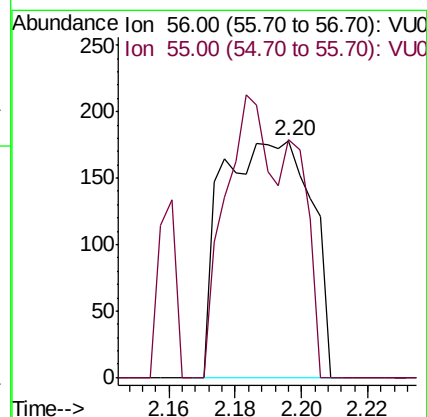
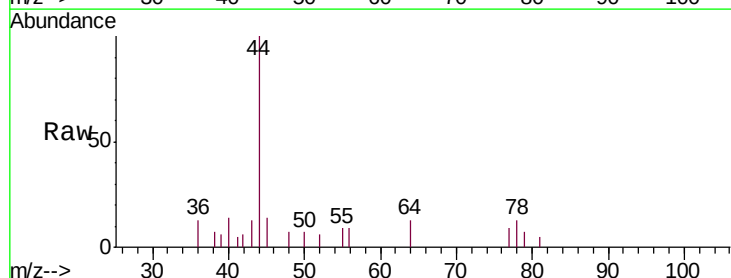
Acq: 09 Sep 2019 13:59

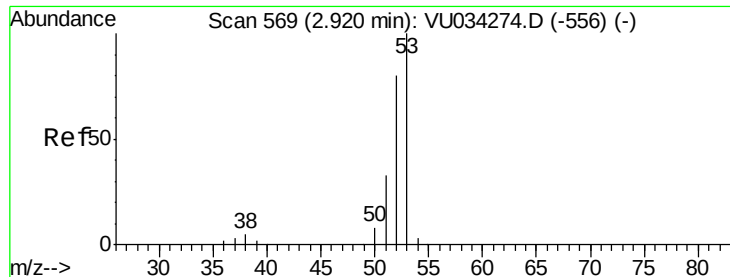
Tgt Ion: 56 Resp: 333

Ion Ratio Lower Upper

56 100

55 64.9 57.4 86.2





#15

Acrylonitrile

Concen: 0.236 ug/l

RT: 2.96 min Scan# 582

Delta R.T. 0.04 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

Instrument :

MSVOA_U

ClientSampleId :

S13-0274DL

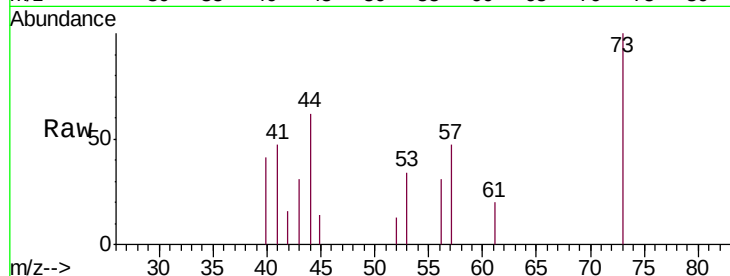
Tgt Ion: 53 Resp: 480

Ion Ratio Lower Upper

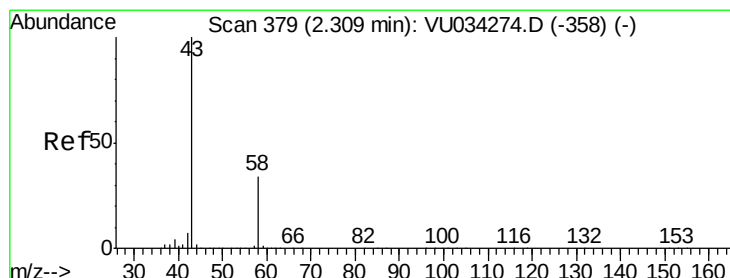
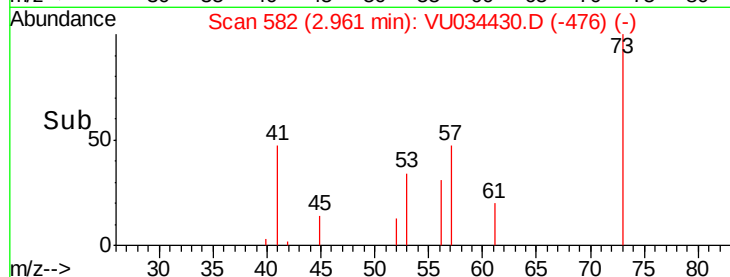
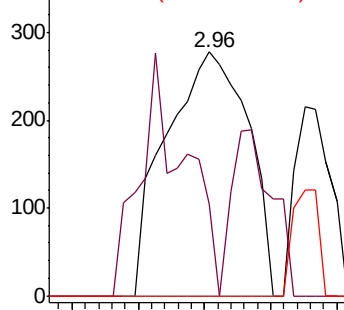
53 100

52 33.8 64.1 96.1#

51 0.0 27.4 41.0#



Abundance Ion 53.00 (52.70 to 53.70): VU034430.D (-556) (-)



#16

Acetone

Concen: 0.798 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034430.D

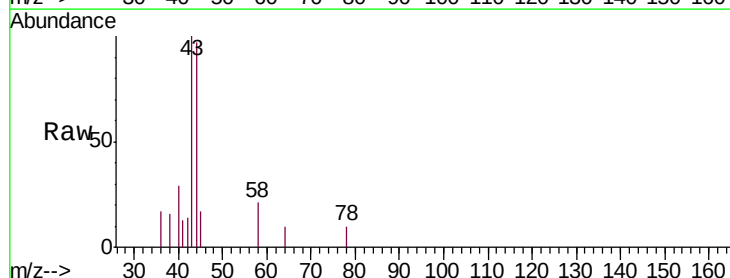
Acq: 09 Sep 2019 13:59

Tgt Ion: 43 Resp: 1595

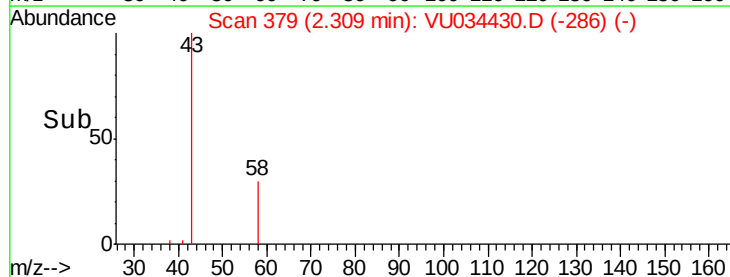
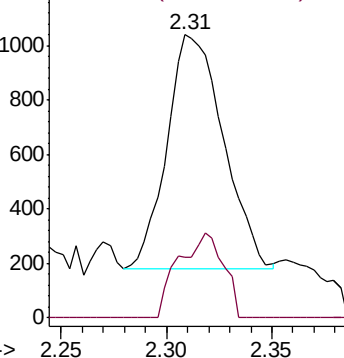
Ion Ratio Lower Upper

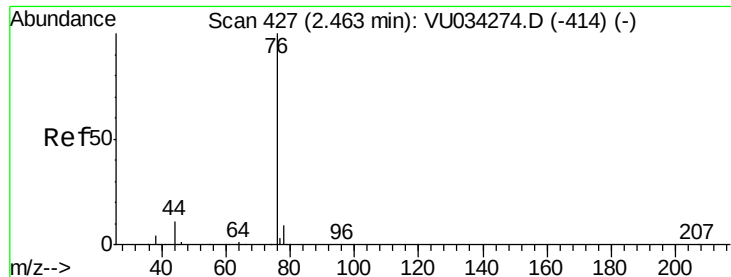
43 100

58 26.0 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VU034430.D (-358) (-)





#17

Carbon Disulfide

Concen: 0.262 ug/l

RT: 2.47 min Scan# 429

Delta R.T. 0.01 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

Instrument :

MSVOA_U

ClientSampleId :

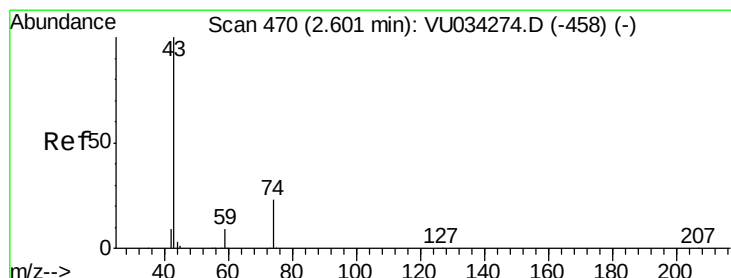
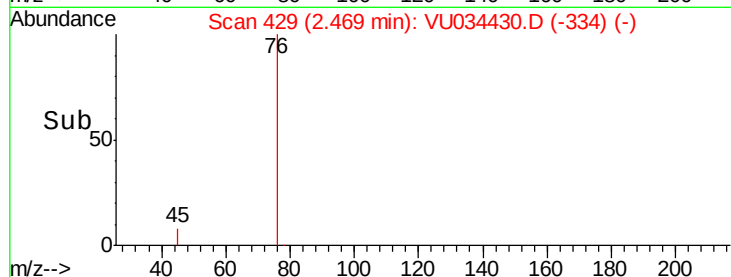
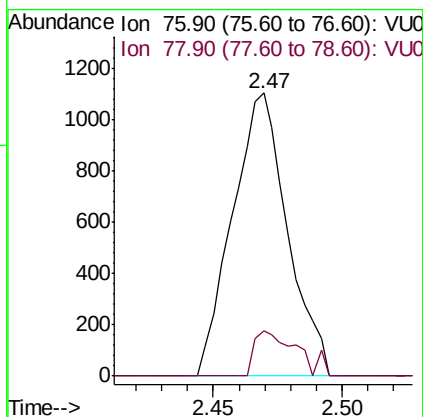
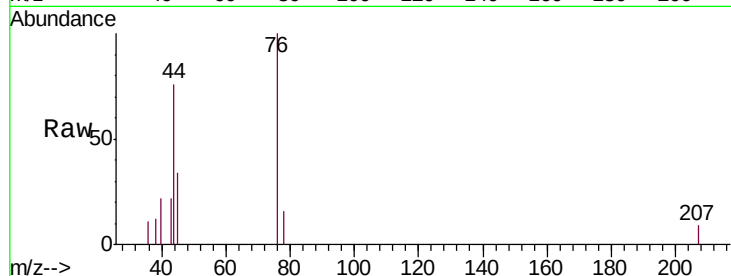
S13-0274DL

Tgt Ion: 76 Resp: 1639

Ion Ratio Lower Upper

76 100

78 16.0 7.2 10.8#



#18

Methyl Acetate

Concen: 0.261 ug/l

RT: 2.61 min Scan# 474

Delta R.T. 0.01 min

Lab File: VU034430.D

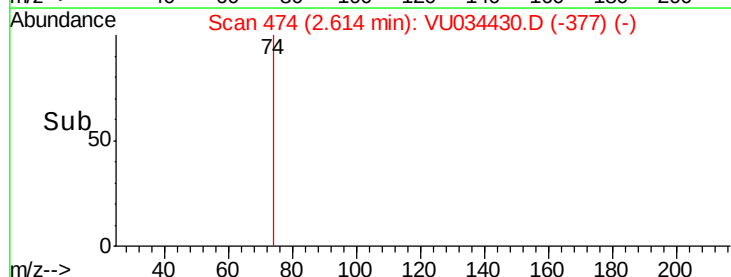
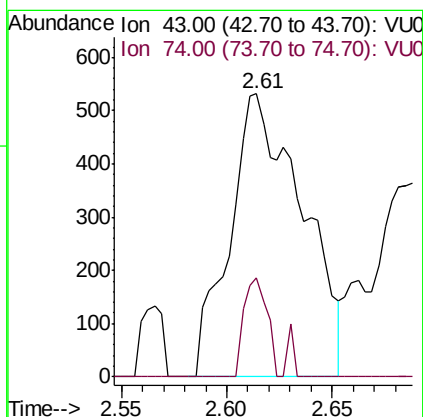
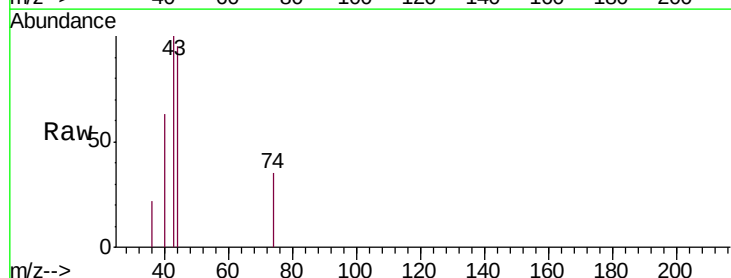
Acq: 09 Sep 2019 13:59

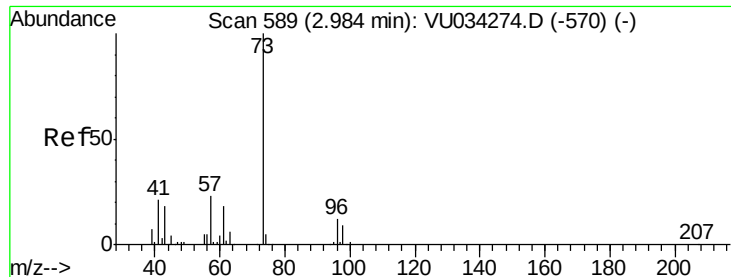
Tgt Ion: 43 Resp: 1272

Ion Ratio Lower Upper

43 100

74 11.1 18.9 28.3#

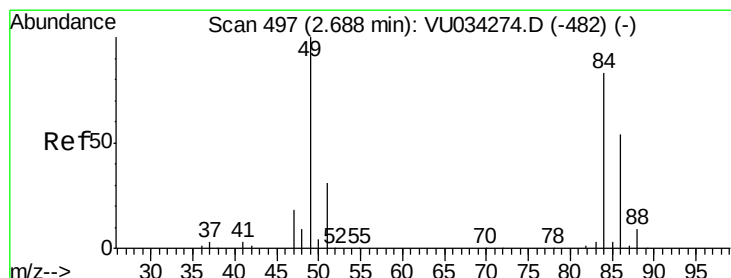
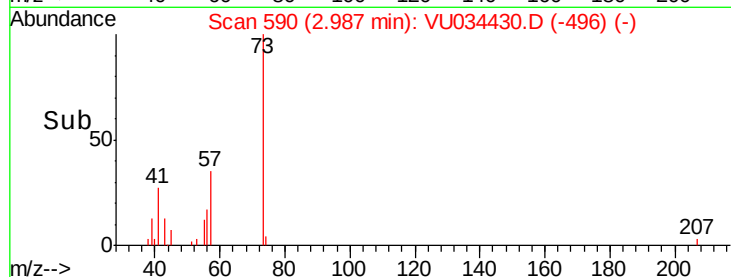
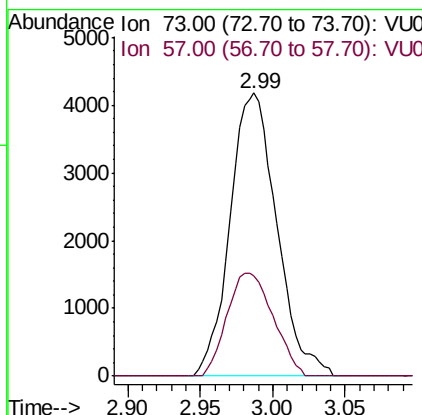
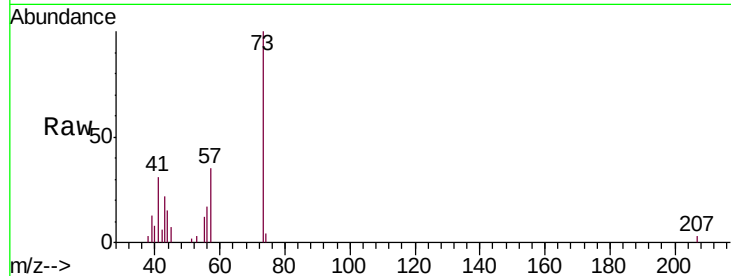




#19
Methyl tert-butyl Ether
Concen: 0.924 ug/l
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU034430.D
Acq: 09 Sep 2019 13:59

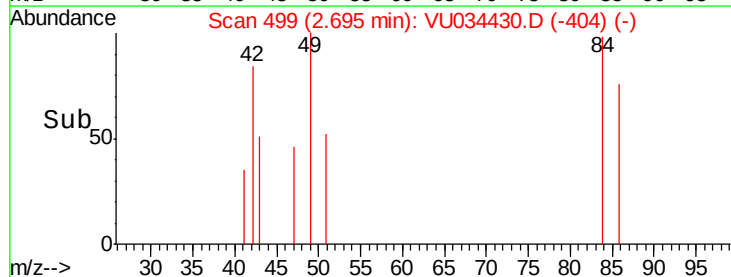
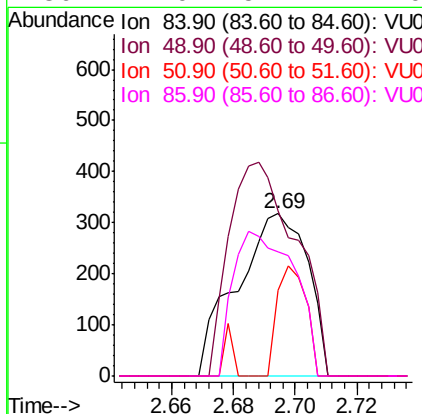
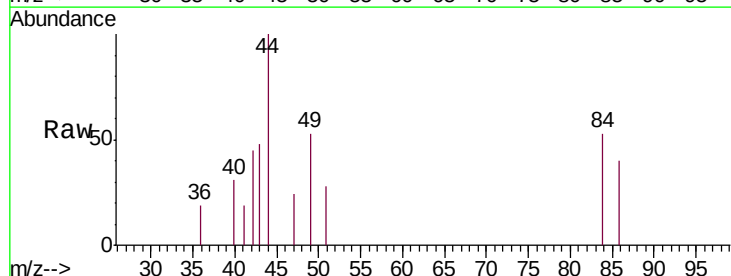
Instrument :
MSVOA_U
ClientSampleId :
S13-0274DL

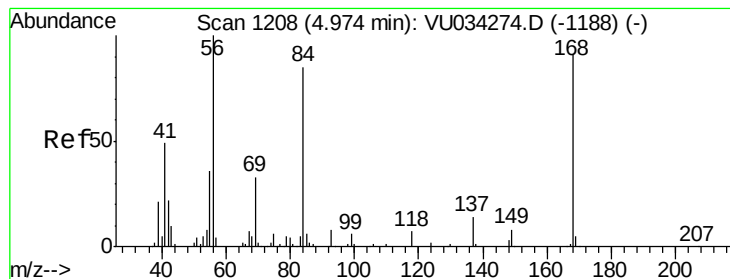
Tgt Ion: 73 Resp: 9360
Ion Ratio Lower Upper
73 100
57 35.4 18.2 27.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.69 min Scan# 499
Delta R.T. 0.01 min
Lab File: VU034430.D
Acq: 09 Sep 2019 13:59

Tgt Ion: 84 Resp: 506
Ion Ratio Lower Upper
84 100
49 101.6 96.0 144.0
51 53.0 30.0 45.0#
86 77.0 51.4 77.0





#31

Cyclohexane

Concen: 1.205 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

Instrument :

MSVOA_U

ClientSampleID :

S13-0274DL

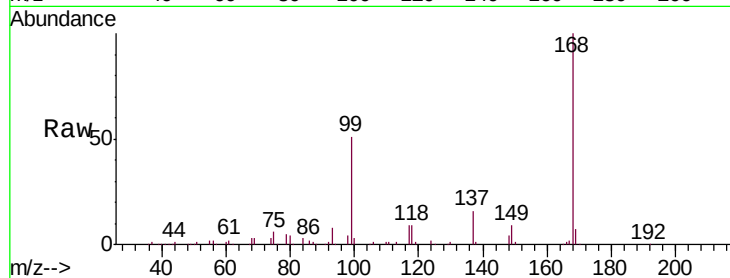
Tgt Ion: 56 Resp: 5455

Ion Ratio Lower Upper

56 100

69 168.2 26.7 40.1#

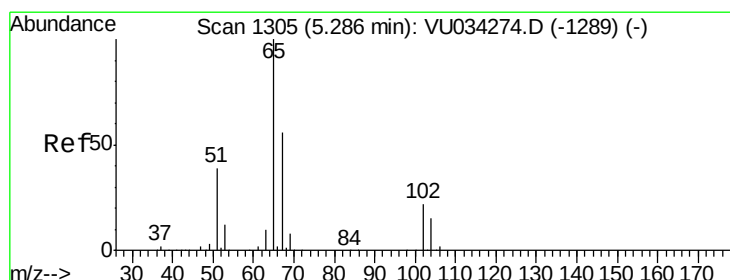
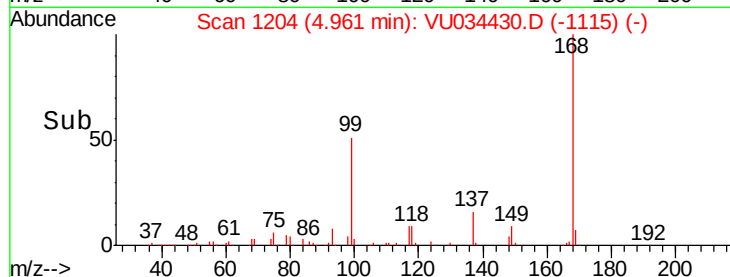
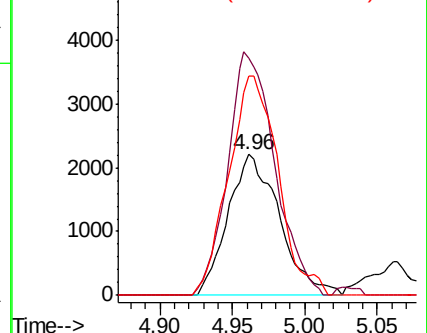
84 155.3 68.2 102.4#



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: 55.211 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034430.D

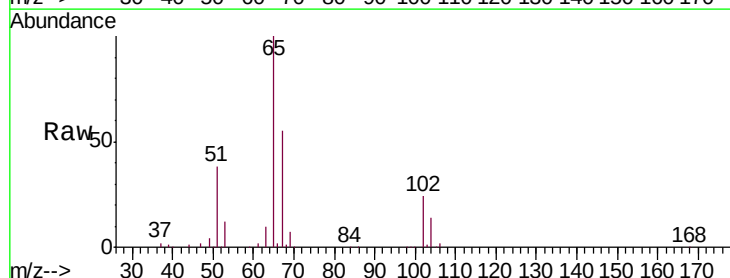
Acq: 09 Sep 2019 13:59

Tgt Ion: 65 Resp: 213339

Ion Ratio Lower Upper

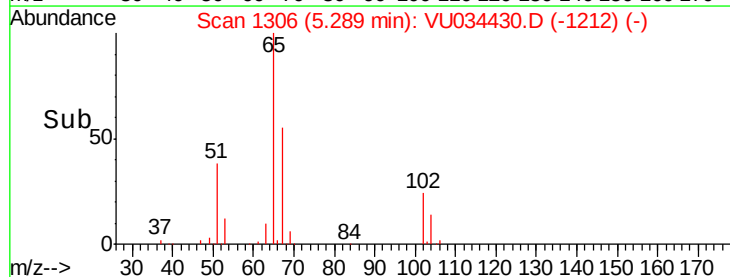
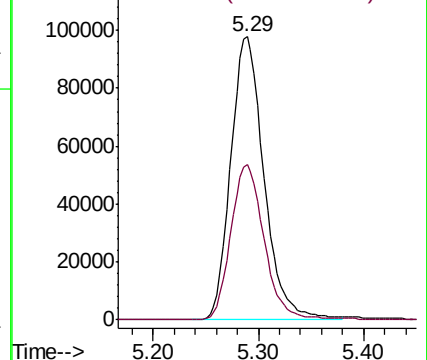
65 100

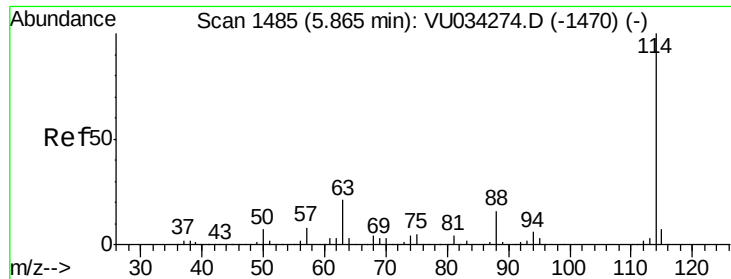
67 54.8 0.0 112.4



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

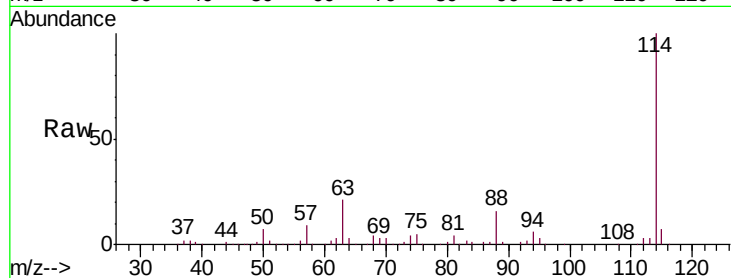




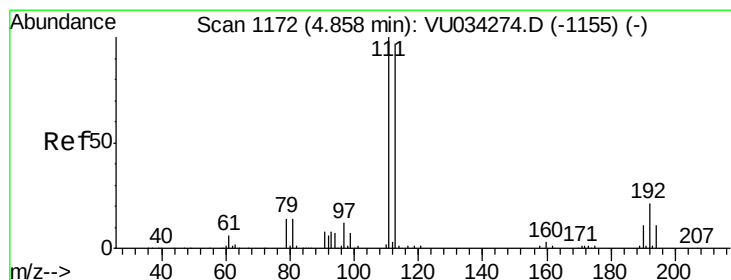
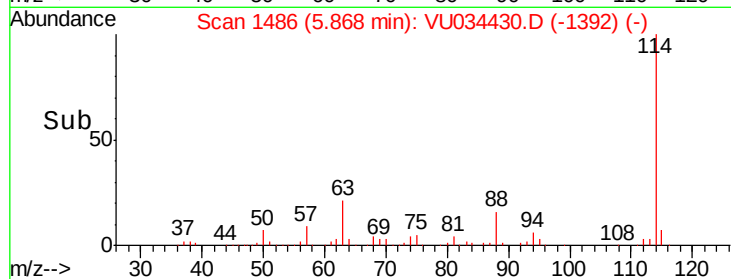
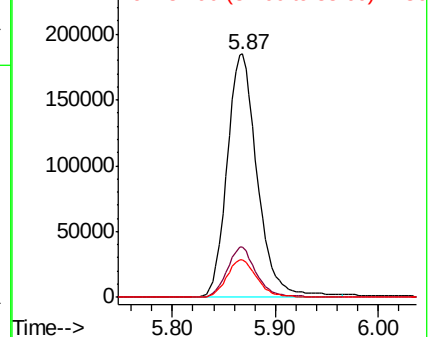
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034430.D
 Acq: 09 Sep 2019 13:59

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0274DL

Tgt Ion:114 Resp: 377892
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.4
 88 15.5 0.0 32.4

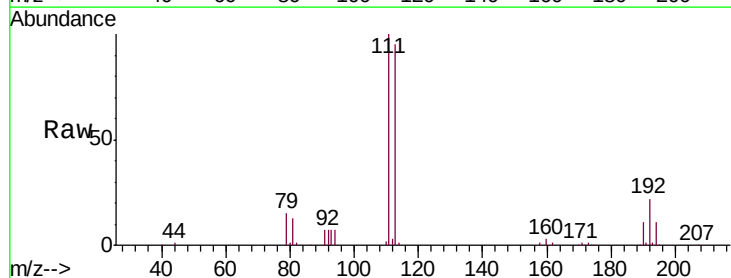


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

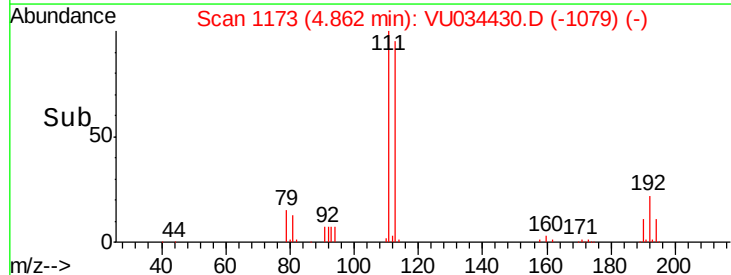
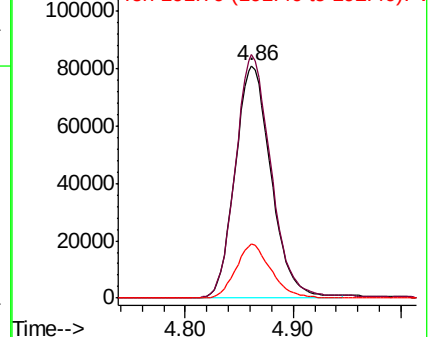


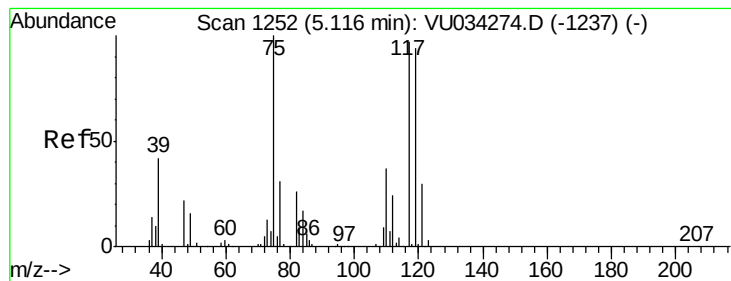
#35
 Dibromofluoromethane
 Concen: 53.712 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034430.D
 Acq: 09 Sep 2019 13:59

Tgt Ion:113 Resp: 188868
 Ion Ratio Lower Upper
 113 100
 111 104.7 81.5 122.3
 192 22.8 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: 4.095 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

Instrument :

MSVOA_U

ClientSampleId :

S13-0274DL

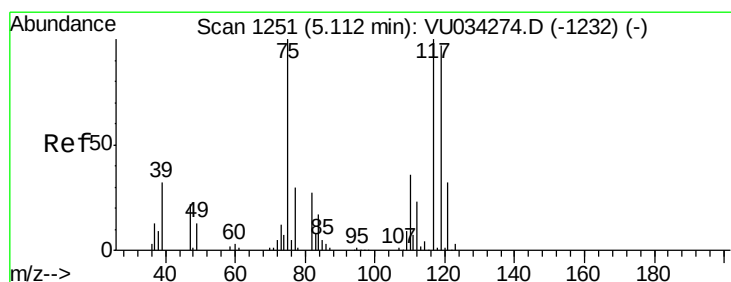
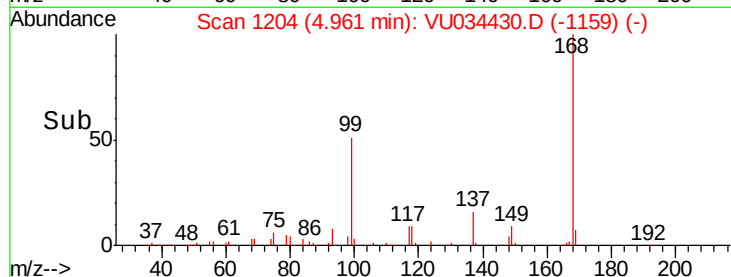
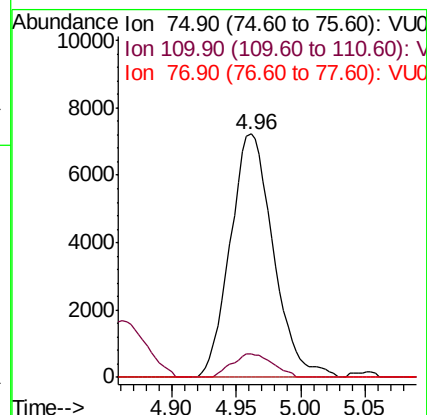
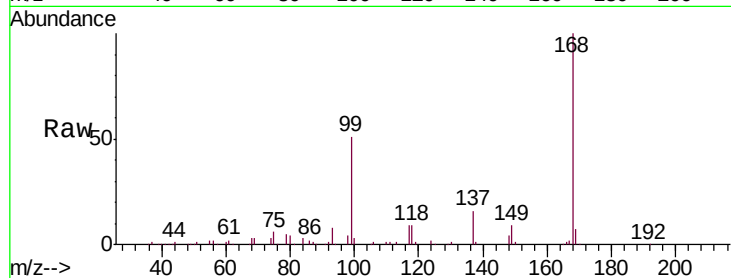
Tgt Ion: 75 Resp: 16783

Ion Ratio Lower Upper

75 100

110 9.1 18.3 54.9#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.108 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

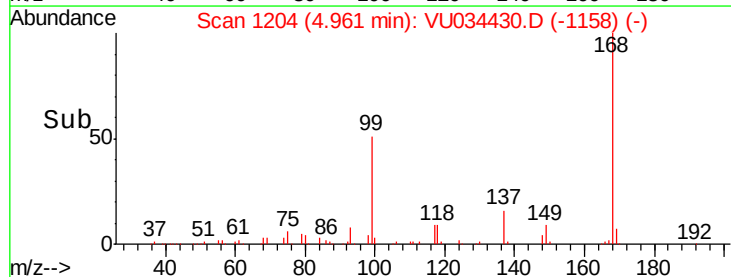
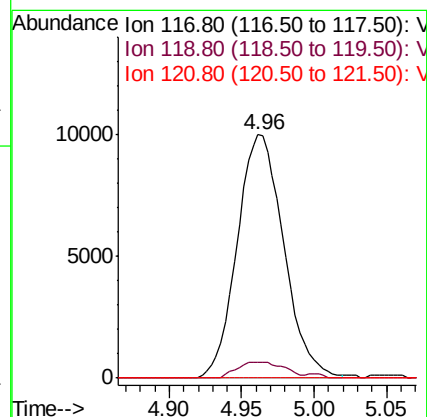
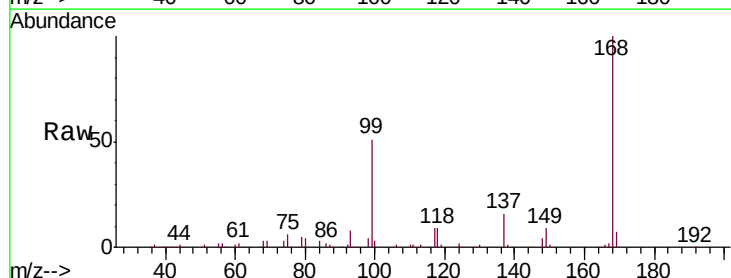
Tgt Ion: 117 Resp: 22353

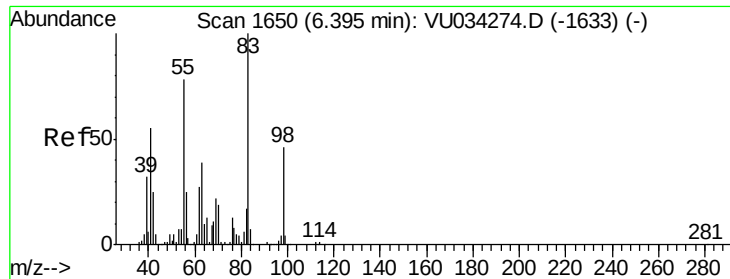
Ion Ratio Lower Upper

117 100

119 6.4 77.8 116.6#

121 0.0 25.2 37.8#

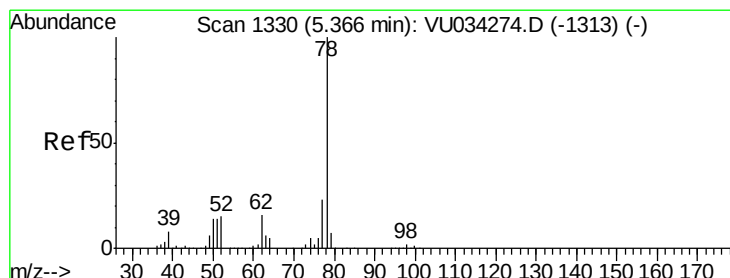
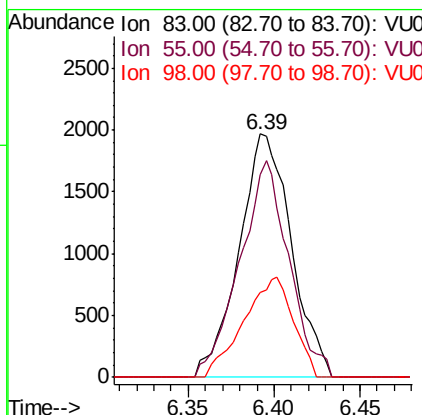
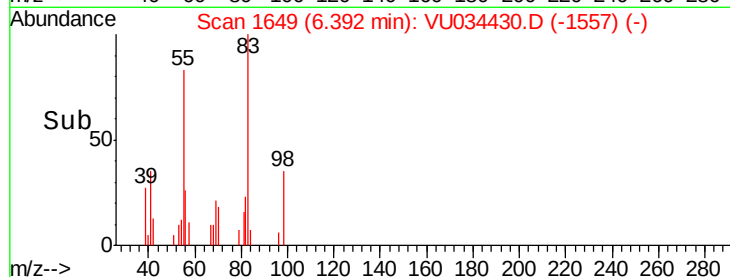
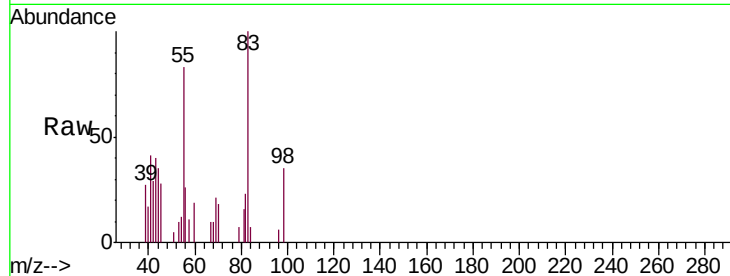




#39
Methylcyclohexane
Concen: 0.947 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU034430.D
Acq: 09 Sep 2019 13:59

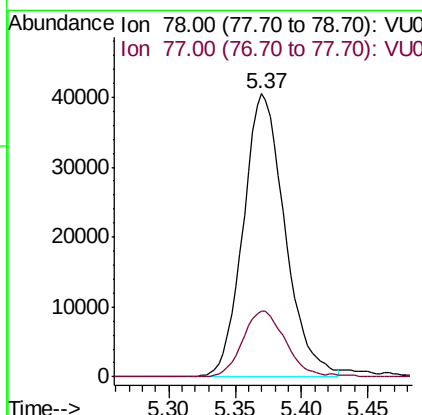
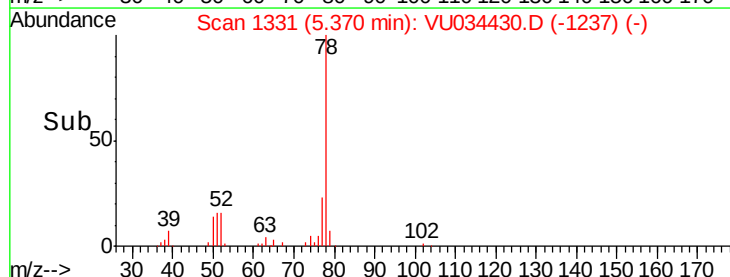
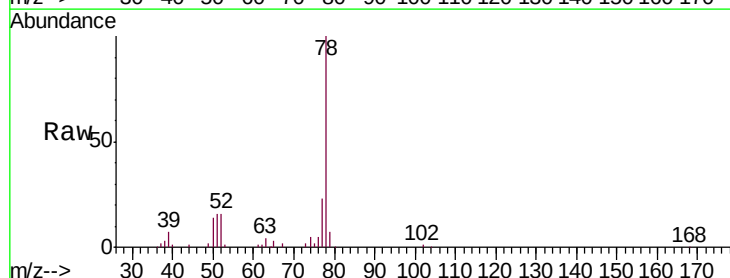
Instrument :
MSVOA_U
ClientSampleId :
S13-0274DL

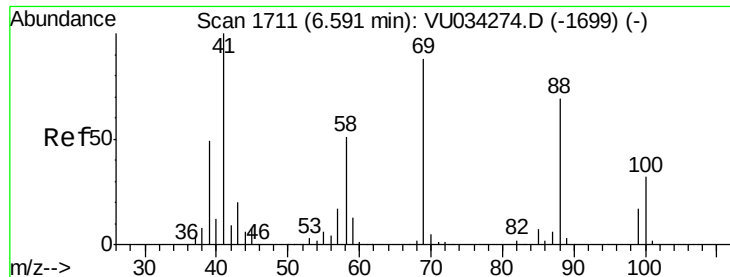
Tgt Ion: 83 Resp: 4149
Ion Ratio Lower Upper
83 100
55 83.1 62.1 93.1
98 34.6 37.0 55.6#



#40
Benzene
Concen: 6.712 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034430.D
Acq: 09 Sep 2019 13:59

Tgt Ion: 78 Resp: 88757
Ion Ratio Lower Upper
78 100
77 23.2 18.7 28.1





#49

1,4-Dioxane

Concen: 3.023 ug/l

RT: 6.60 min Scan# 1715

Delta R.T. 0.01 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

Instrument :

MSVOA_U

ClientSampleId :

S13-0274DL

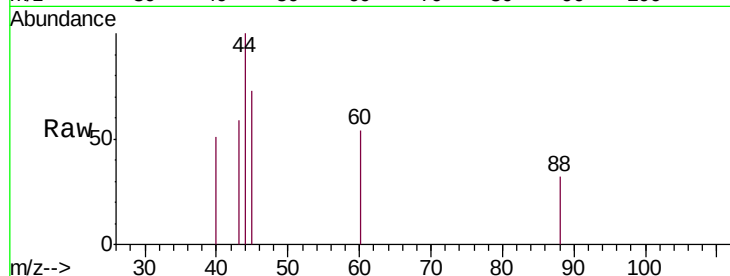
Tgt Ion: 88 Resp: 237

Ion Ratio Lower Upper

88 100

43 50.2 23.8 35.6#

58 0.0 58.4 87.6#



Abundance Ion 88.00 (87.70 to 88.70): VU034430.D (-1715) (-)

Ion 43.00 (42.70 to 43.70): VU034430.D (-1715) (-)

Ion 58.00 (57.70 to 58.70): VU034430.D (-1715) (-)

800

600

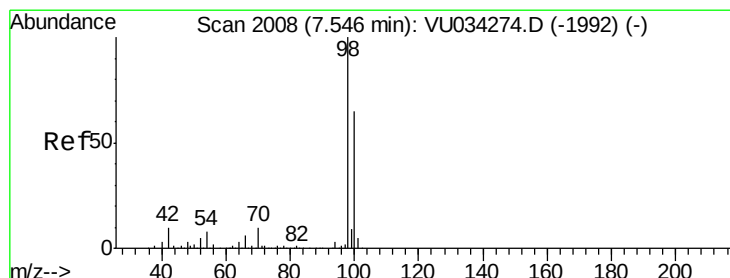
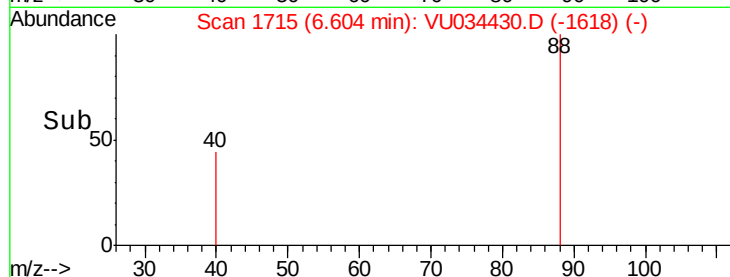
400

200

0

6.58 6.60 6.62

Time-->



#50

Toluene-d8

Concen: 51.631 ug/l

RT: 7.54 min Scan# 2007

Delta R.T. -0.00 min

Lab File: VU034430.D

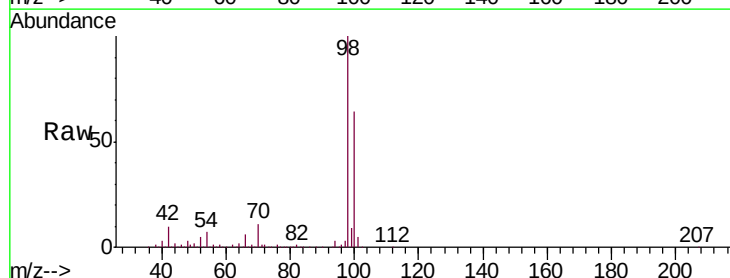
Acq: 09 Sep 2019 13:59

Tgt Ion: 98 Resp: 682092

Ion Ratio Lower Upper

98 100

100 63.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VU034430.D (-2007) (-)

Ion 100.00 (99.70 to 100.70): VU034430.D (-2007) (-)

400000

300000

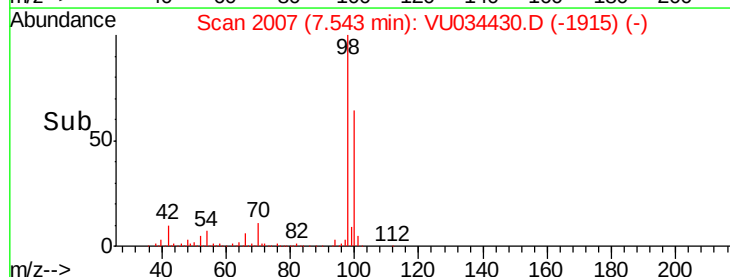
200000

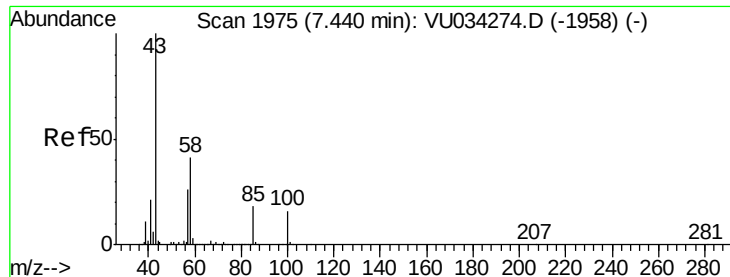
100000

0

7.54

Time-->

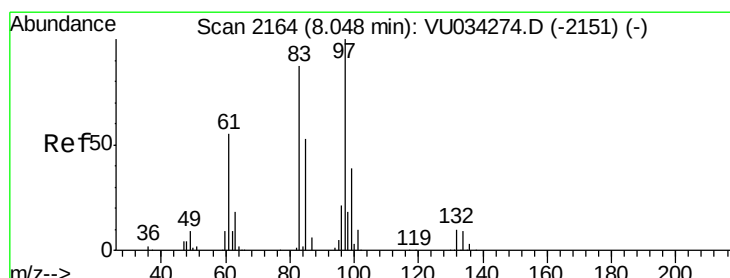
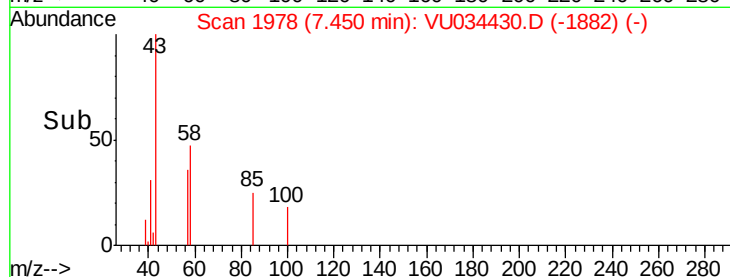
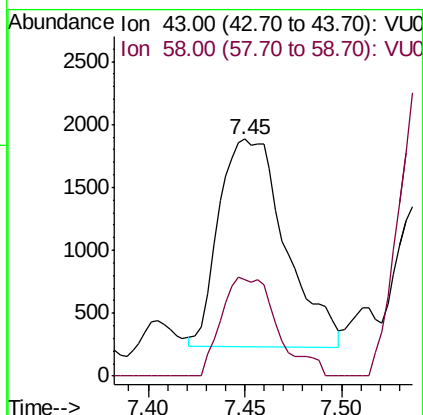
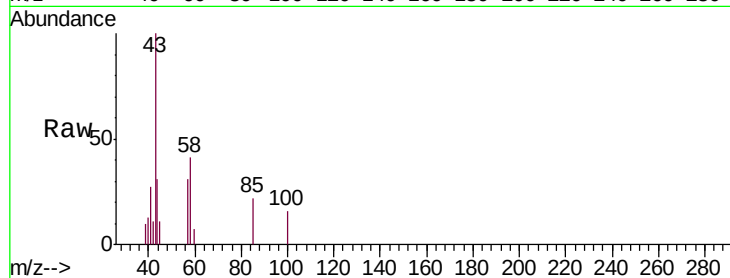




#51
 4-Methyl-2-Pentanone
 Concen: 0.757 ug/l
 RT: 7.45 min Scan# 1978
 Delta R.T. 0.01 min
 Lab File: VU034430.D
 Acq: 09 Sep 2019 13:59

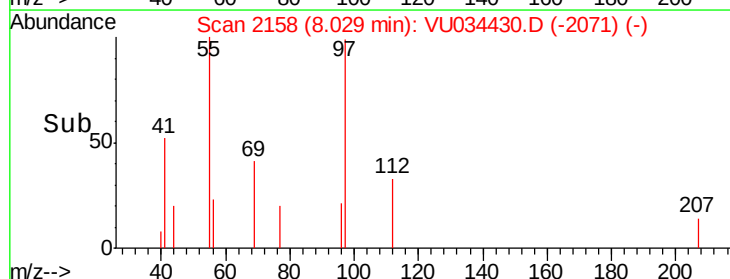
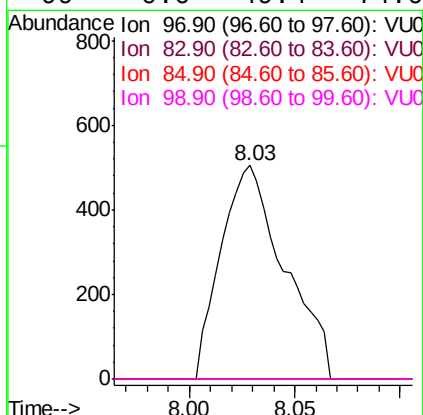
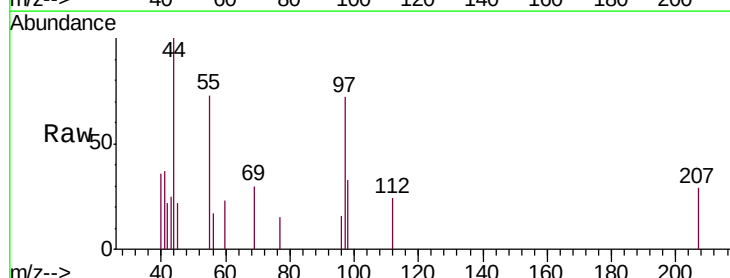
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0274DL

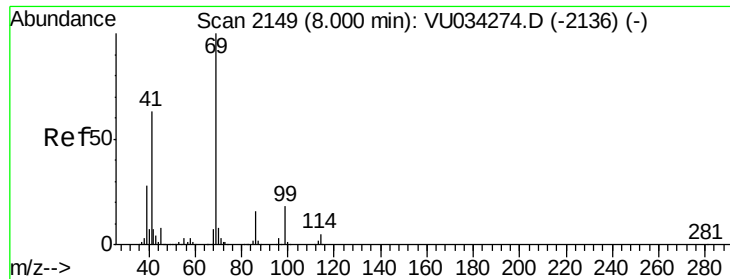
Tgt Ion: 43 Resp: 3960
 Ion Ratio Lower Upper
 43 100
 58 40.1 33.0 49.4



#55
 1,1,2-Trichloroethane
 Concen: 0.281 ug/l
 RT: 8.03 min Scan# 2158
 Delta R.T. -0.02 min
 Lab File: VU034430.D
 Acq: 09 Sep 2019 13:59

Tgt Ion: 97 Resp: 1060
 Ion Ratio Lower Upper
 97 100
 83 0.0 69.0 103.6#
 85 0.0 44.2 66.2#
 99 0.0 49.4 74.0#





#56

Ethyl methacrylate

Concen: 3.144 ug/l

RT: 8.03 min Scan# 2157

Delta R.T. 0.03 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

Instrument :

MSVOA_U

ClientSampleId :

S13-0274DL

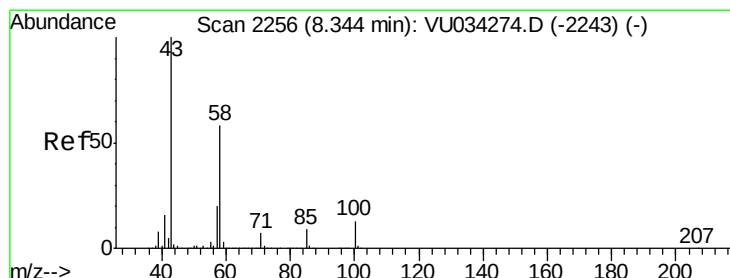
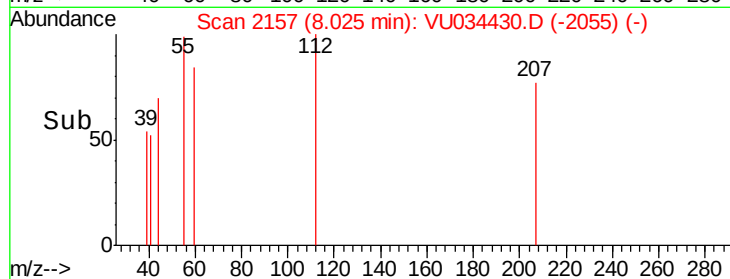
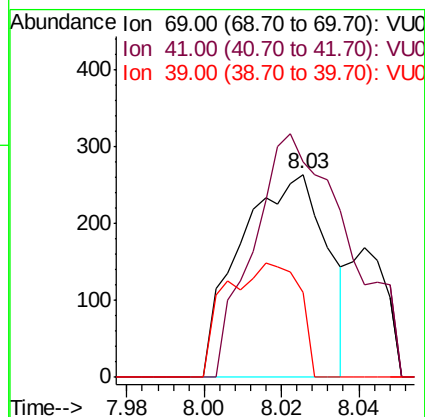
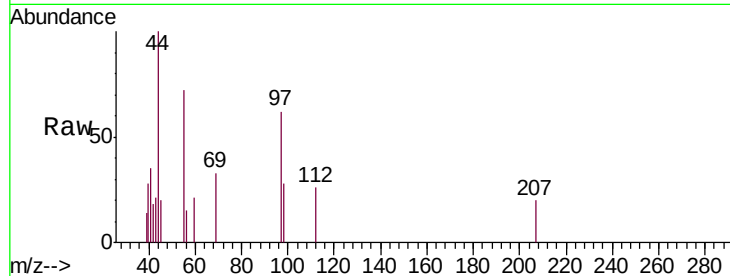
Tgt Ion: 69 Resp: 413

Ion Ratio Lower Upper

69 100

41 129.5 49.5 74.3#

39 47.5 22.5 33.7#



#59

2-Hexanone

Concen: 0.839 ug/l

RT: 8.37 min Scan# 2264

Delta R.T. 0.03 min

Lab File: VU034430.D

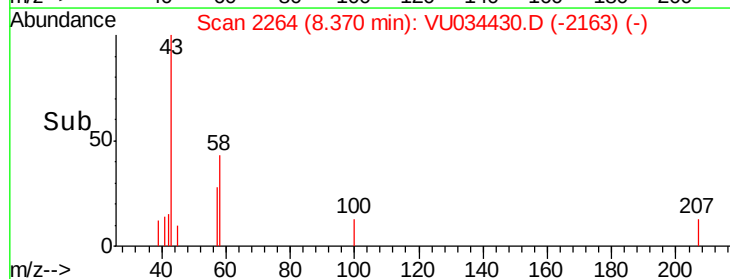
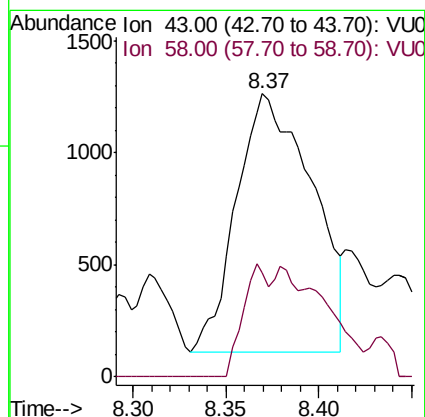
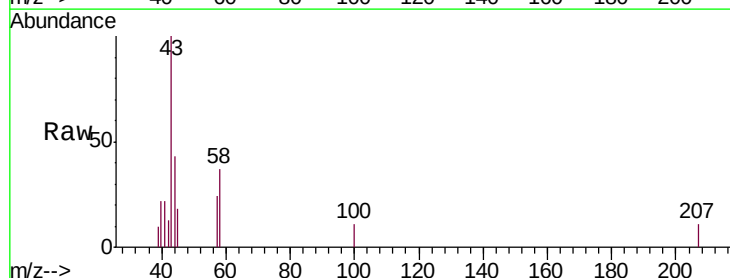
Acq: 09 Sep 2019 13:59

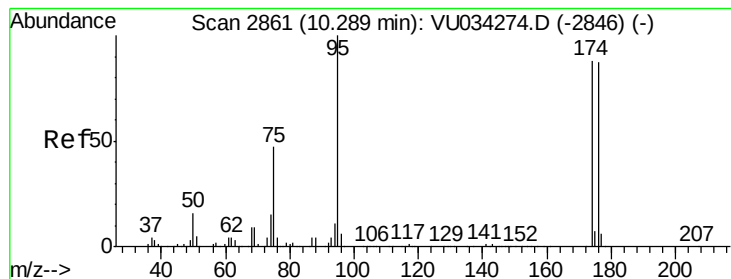
Tgt Ion: 43 Resp: 3281

Ion Ratio Lower Upper

43 100

58 14.4 28.8 86.5#





#62

4-Bromofluorobenzene

Concen: 47.466 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

Instrument :

MSVOA_U

ClientSampleID :

S13-0274DL

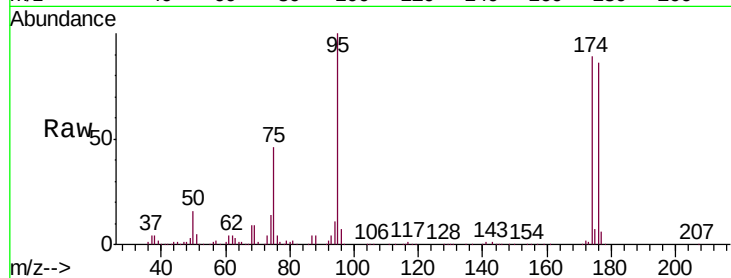
Tgt Ion: 95 Resp: 242104

Ion Ratio Lower Upper

95 100

174 90.0 0.0 175.2

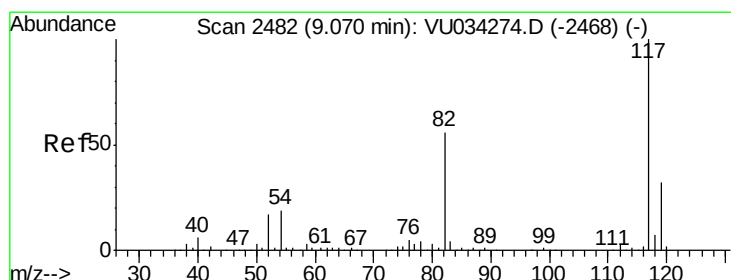
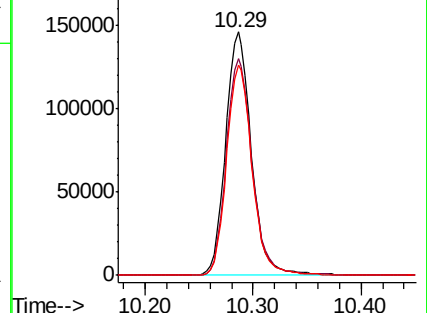
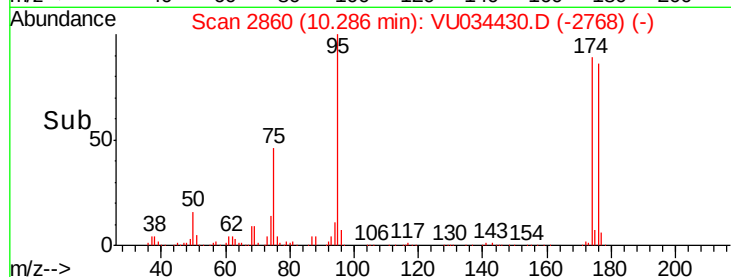
176 85.8 0.0 168.0



Abundance Ion 94.90 (94.60 to 95.60): VU034430.D (-2768) (-)

Ion 173.80 (173.50 to 174.50): VU034430.D (-2768) (-)

Ion 175.80 (175.50 to 176.50): VU034430.D (-2768) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.07 min Scan# 2482

Delta R.T. 0.00 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

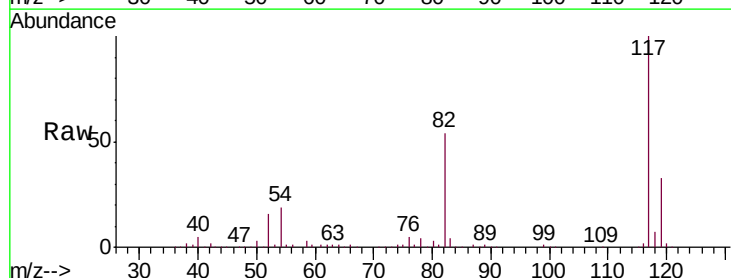
Tgt Ion: 117 Resp: 380073

Ion Ratio Lower Upper

117 100

82 53.7 44.6 67.0

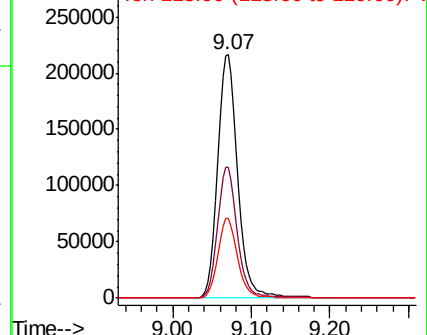
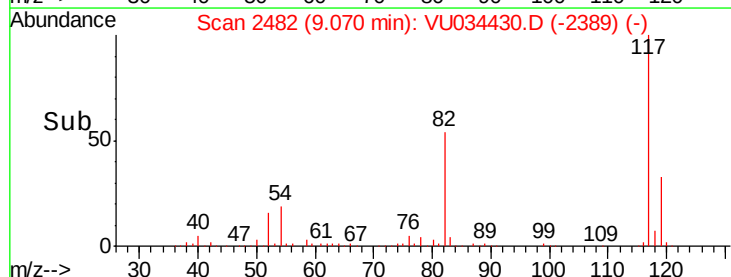
119 32.5 25.9 38.9

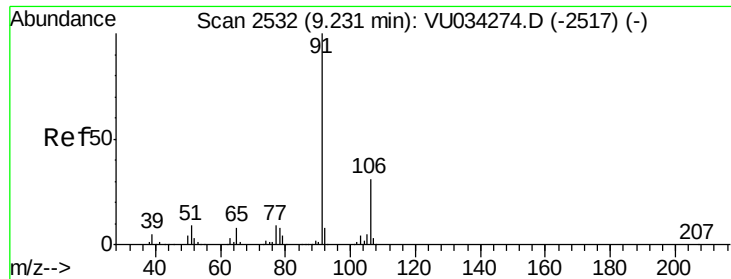


Abundance Ion 116.90 (116.60 to 117.60): VU034430.D (-2389) (-)

Ion 82.00 (81.70 to 82.70): VU034430.D (-2389) (-)

Ion 118.90 (118.60 to 119.60): VU034430.D (-2389) (-)





#67

Ethyl Benzene

Concen: 0.543 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

Instrument :

MSVOA_U

ClientSampleId :

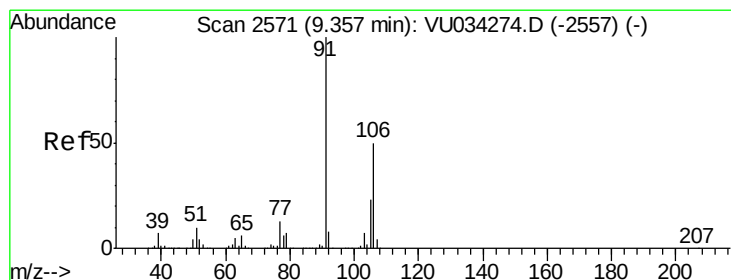
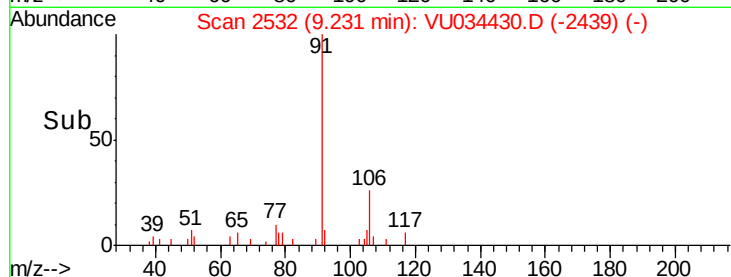
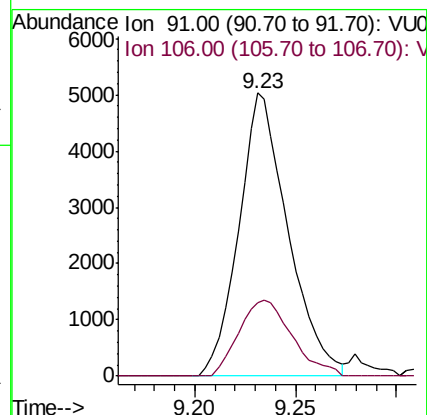
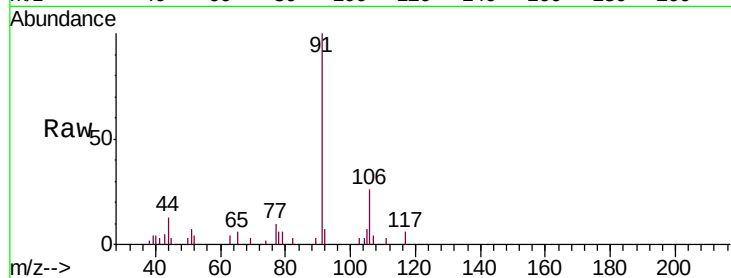
S13-0274DL

Tgt Ion: 91 Resp: 8566

Ion Ratio Lower Upper

91 100

106 25.8 24.8 37.2



#68

m/p-Xylenes

Concen: 5.360 ug/l

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU034430.D

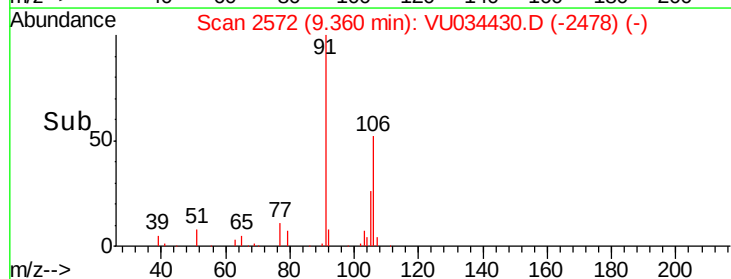
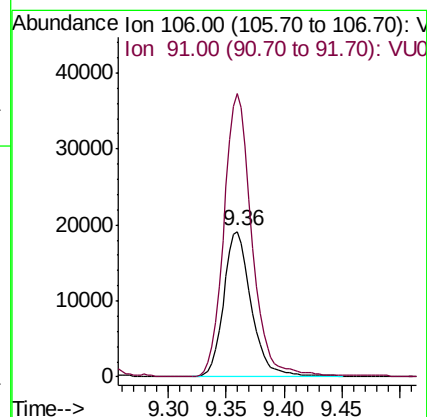
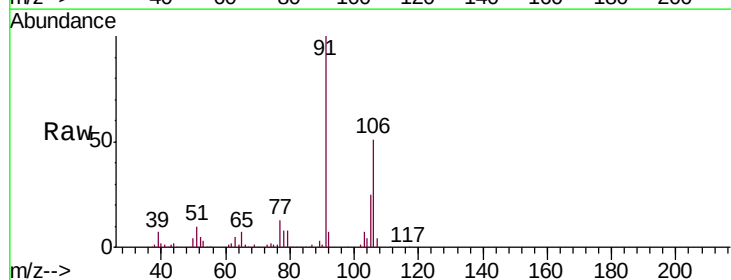
Acq: 09 Sep 2019 13:59

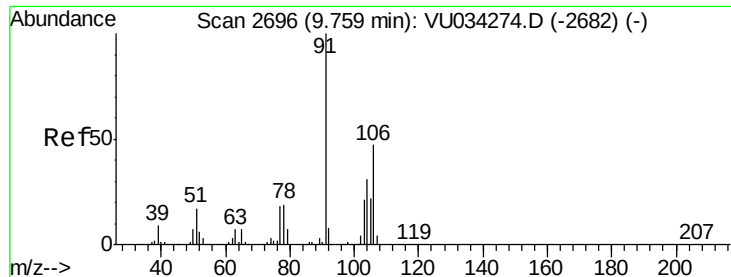
Tgt Ion: 106 Resp: 31820

Ion Ratio Lower Upper

106 100

91 196.1 160.1 240.1

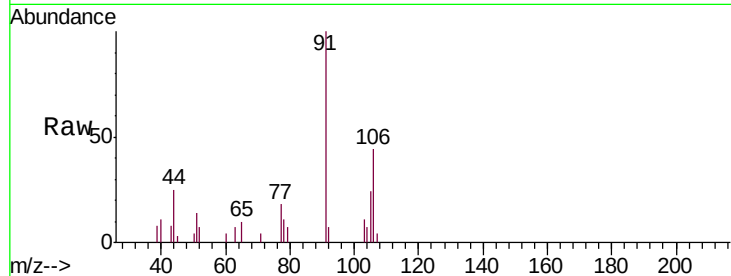




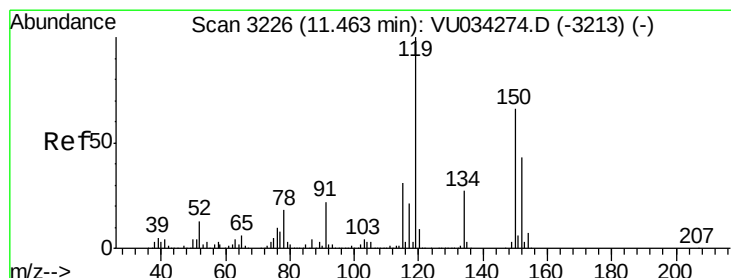
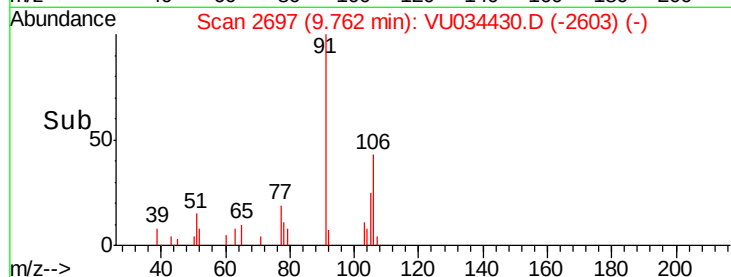
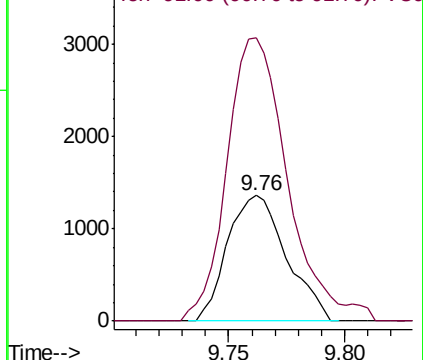
#69
o-Xylene
Concen: 0.415 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034430.D
Acq: 09 Sep 2019 13:59

Instrument :
MSVOA_U
ClientSampleId :
S13-0274DL

Tgt Ion:106 Resp: 2408
Ion Ratio Lower Upper
106 100
91 232.5 105.1 315.3

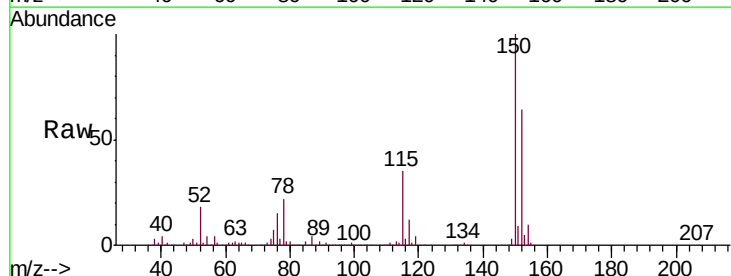


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

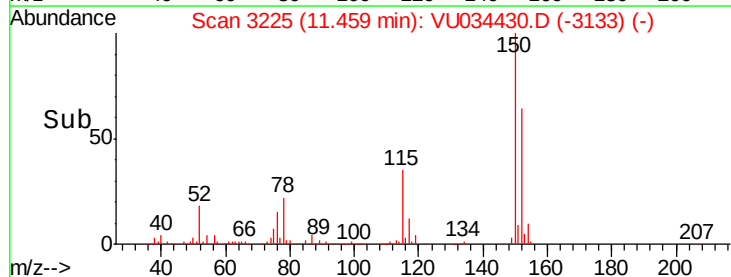
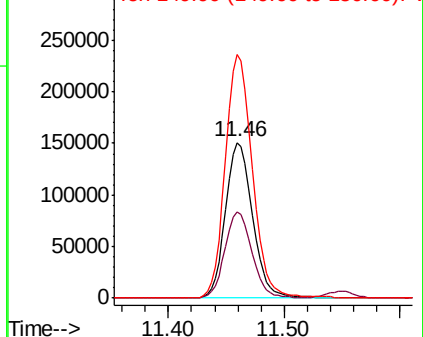


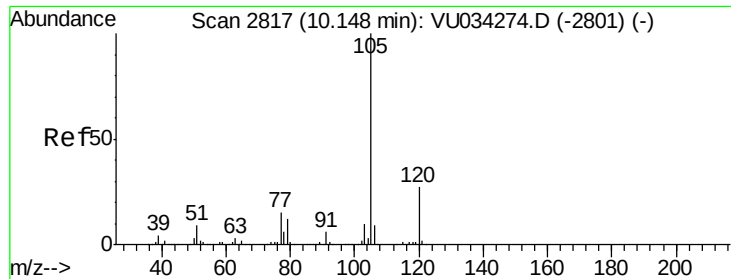
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3225
Delta R.T. -0.00 min
Lab File: VU034430.D
Acq: 09 Sep 2019 13:59

Tgt Ion:152 Resp: 243012
Ion Ratio Lower Upper
152 100
115 54.8 39.1 117.3
150 156.7 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





#73

Isopropylbenzene

Concen: 1.931 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

Instrument :

MSVOA_U

ClientSampleId :

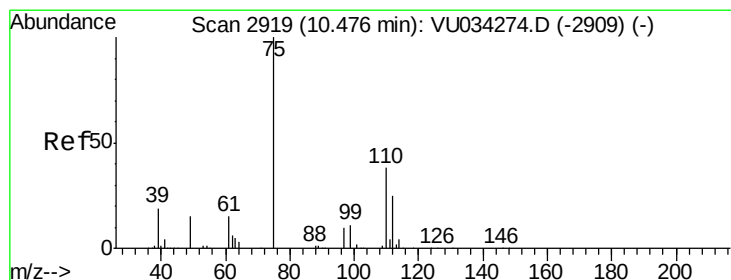
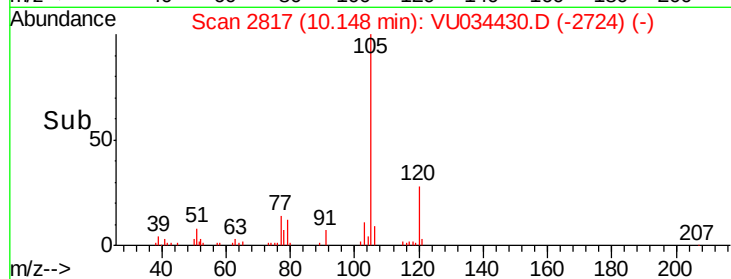
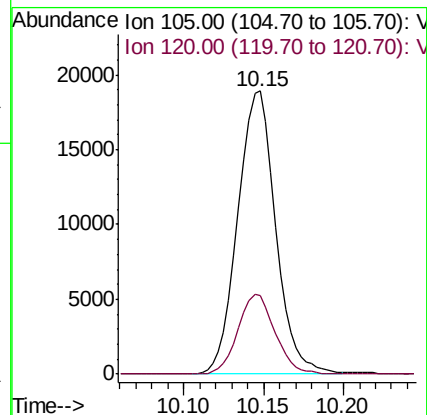
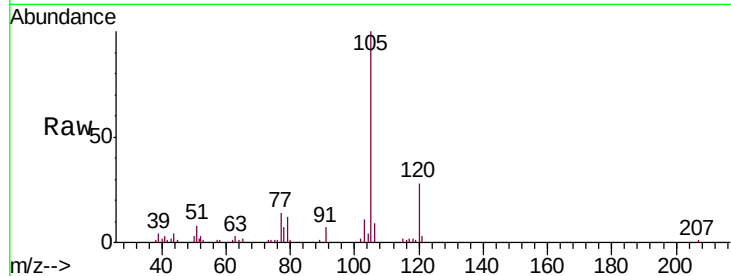
S13-0274DL

Tgt Ion:105 Resp: 30543

Ion Ratio Lower Upper

105 100

120 27.4 13.4 40.2



#76

1,2,3-Trichloropropane

Concen: 20.659 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.19 min

Lab File: VU034430.D

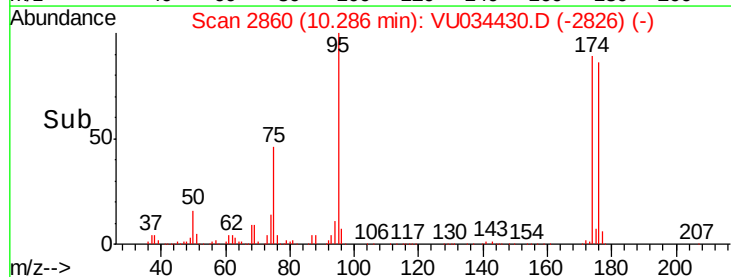
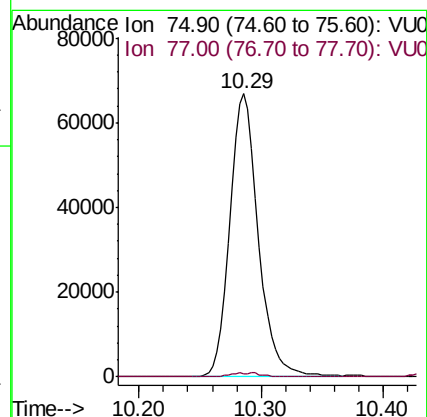
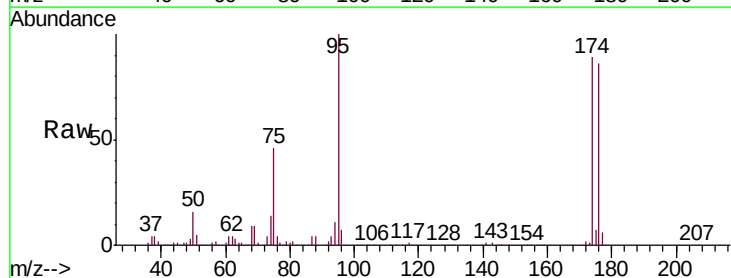
Acq: 09 Sep 2019 13:59

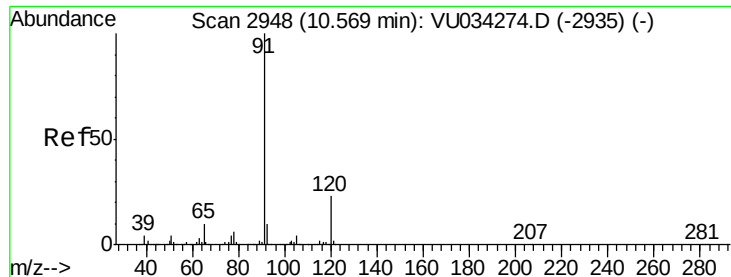
Tgt Ion: 75 Resp: 109585

Ion Ratio Lower Upper

75 100

77 0.9 20.8 62.2#





#78

n-propylbenzene

Concen: 2.952 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

Instrument :

MSVOA_U

ClientSampleId :

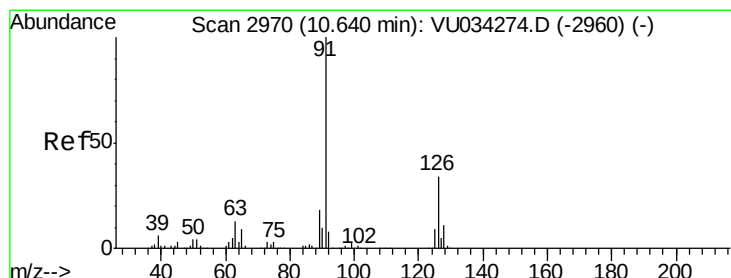
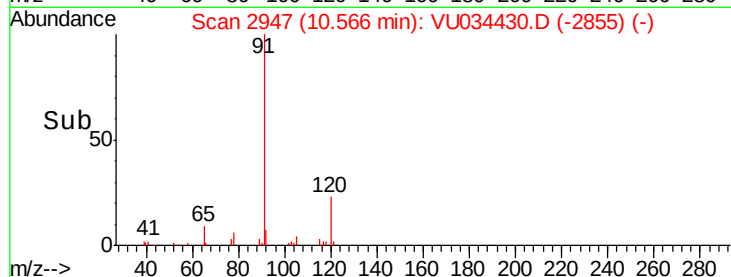
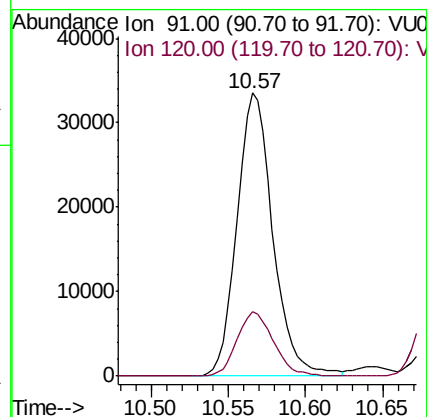
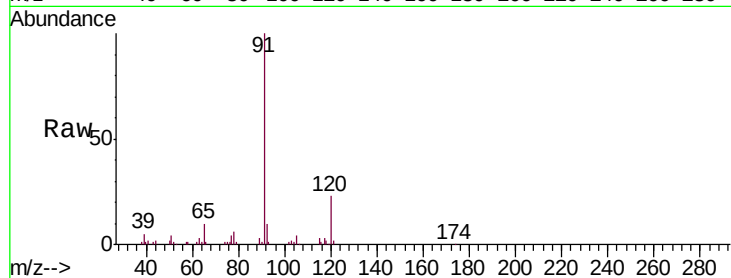
S13-0274DL

Tgt Ion: 91 Resp: 53922

Ion Ratio Lower Upper

91 100

120 23.1 11.7 35.0



#79

2-Chlorotoluene

Concen: 0.453 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.11 min

Lab File: VU034430.D

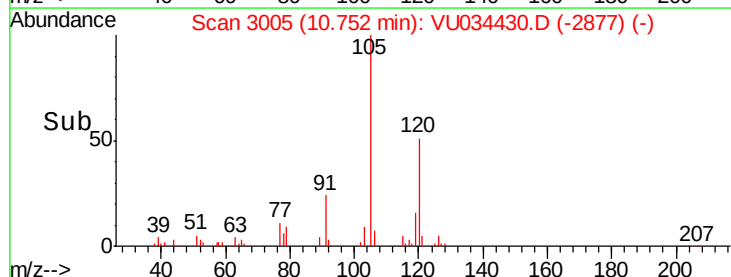
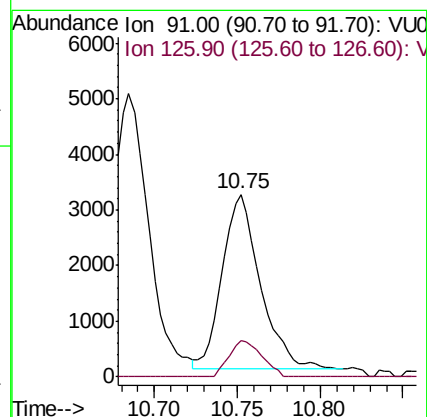
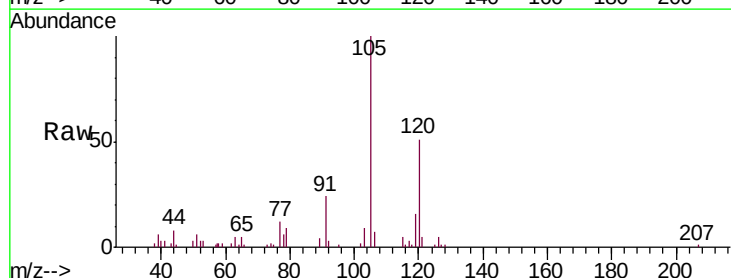
Acq: 09 Sep 2019 13:59

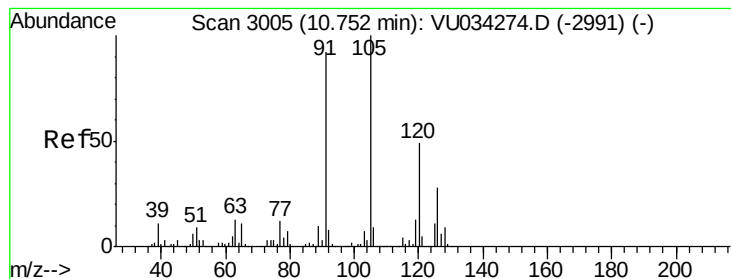
Tgt Ion: 91 Resp: 5049

Ion Ratio Lower Upper

91 100

126 17.6 17.3 51.9





#80

1,3,5-Trimethylbenzene

Concen: 1.610 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

Instrument :

MSVOA_U

ClientSampleId :

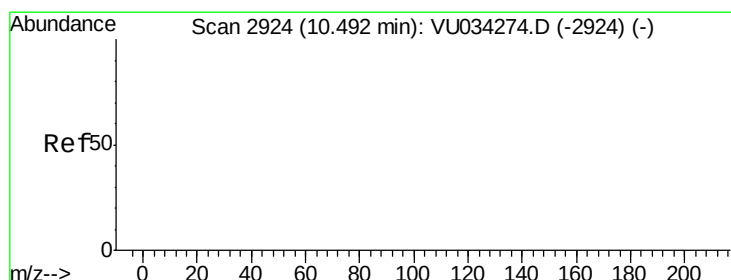
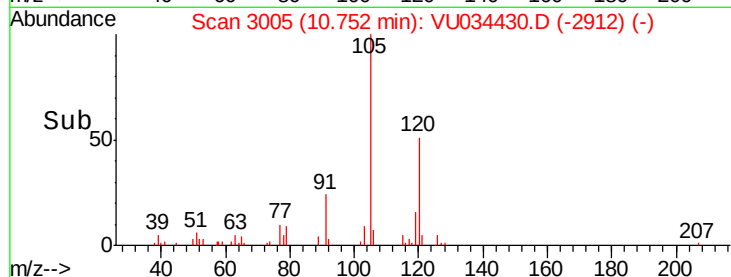
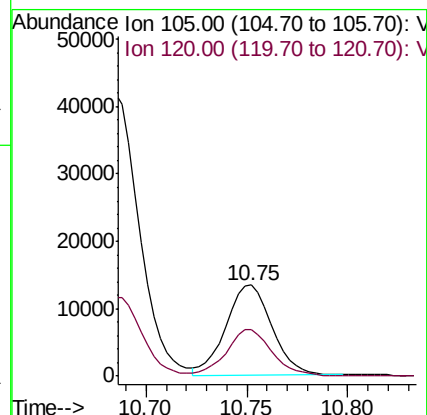
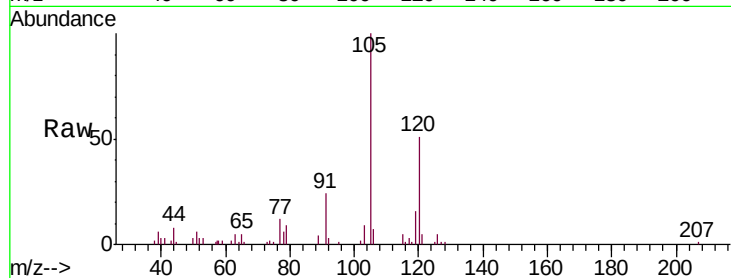
S13-0274DL

Tgt Ion:105 Resp: 21297

Ion Ratio Lower Upper

105 100

120 52.6 24.9 74.7



#81

trans-1,4-Dichloro-2-butene

Concen: 69.474 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.21 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

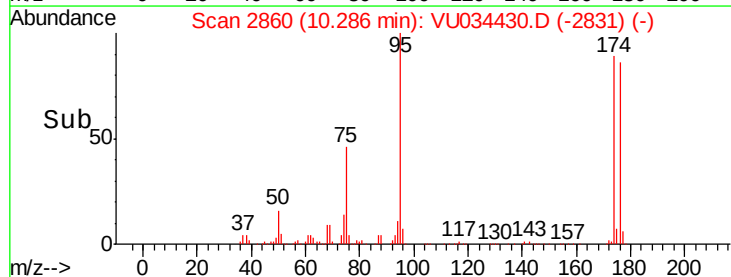
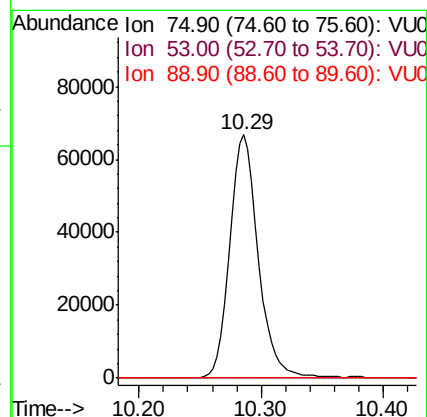
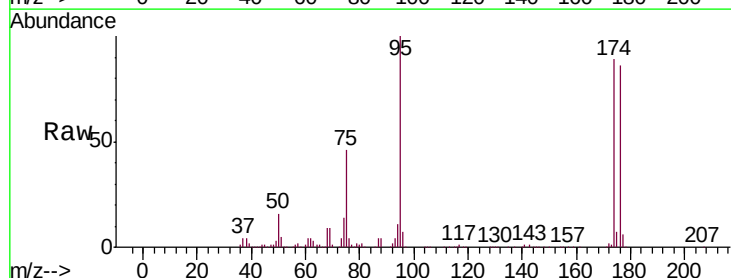
Tgt Ion: 75 Resp: 109585

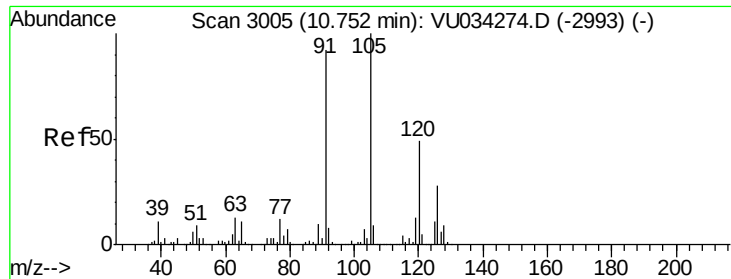
Ion Ratio Lower Upper

75 100

53 0.3 0.0 0.0#

89 0.0 0.0 0.0

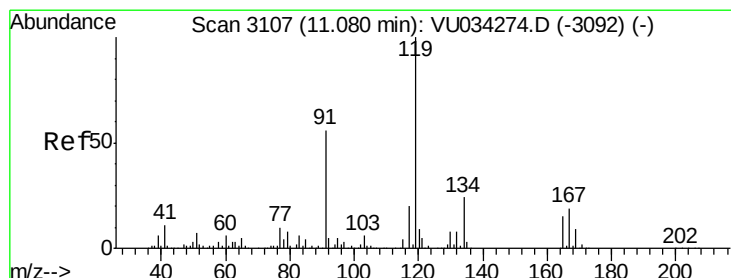
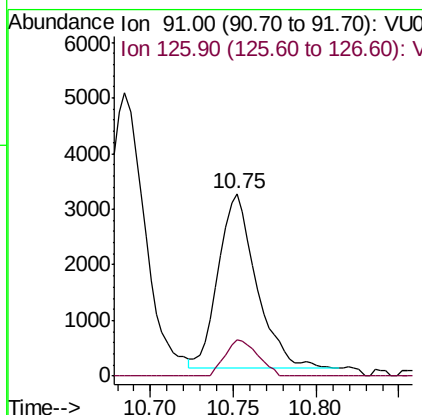
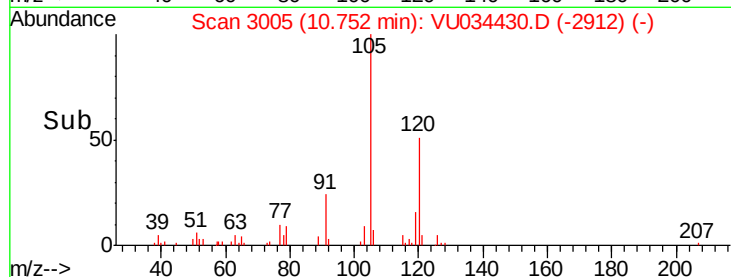
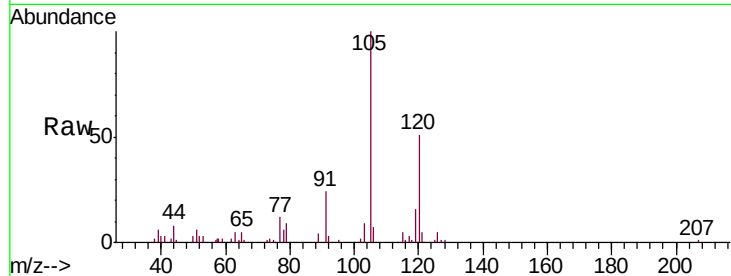




#82
4-Chlorotoluene
Concen: 0.394 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VU034430.D
Acq: 09 Sep 2019 13:59

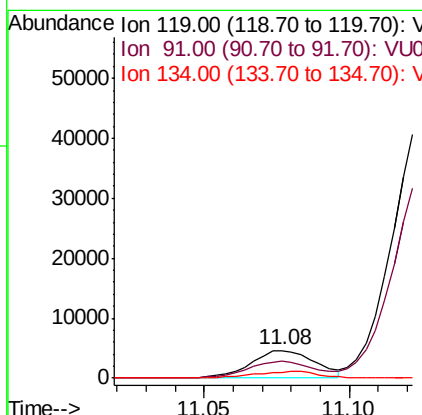
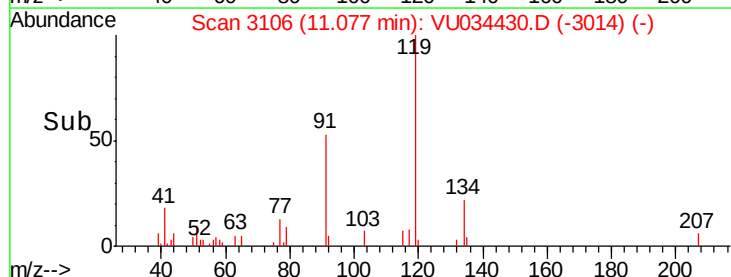
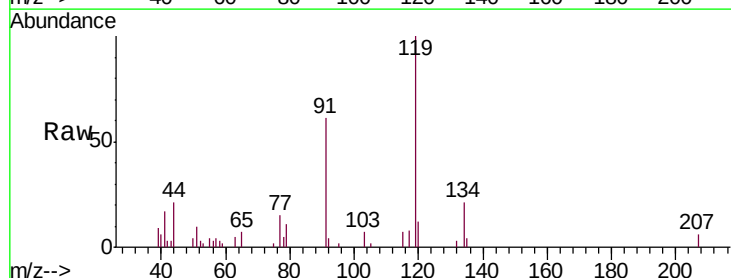
Instrument :
MSVOA_U
ClientSampleId :
S13-0274DL

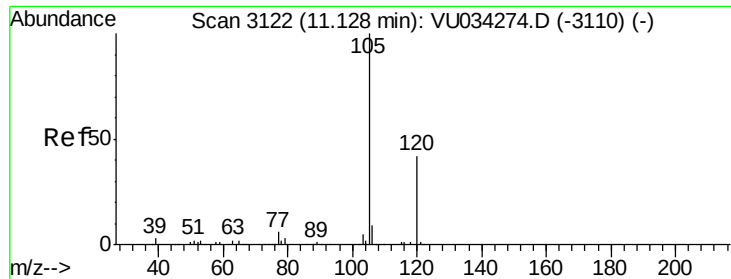
Tgt Ion: 91 Resp: 5049
Ion Ratio Lower Upper
91 100
126 17.6 15.3 45.8



#83
tert-Butylbenzene
Concen: 0.535 ug/l
RT: 11.08 min Scan# 3106
Delta R.T. -0.00 min
Lab File: VU034430.D
Acq: 09 Sep 2019 13:59

Tgt Ion: 119 Resp: 7081
Ion Ratio Lower Upper
119 100
91 65.1 27.8 83.4
134 23.3 11.7 35.0





#84

1,2,4-Trimethylbenzene

Concen: 38.052 ug/l

RT: 11.13 min Scan# 3121

Delta R.T. -0.00 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

Instrument :

MSVOA_U

ClientSampleId :

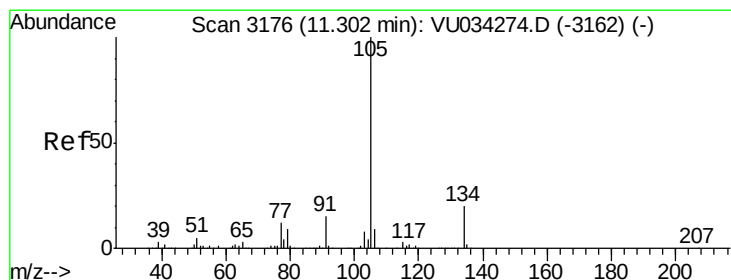
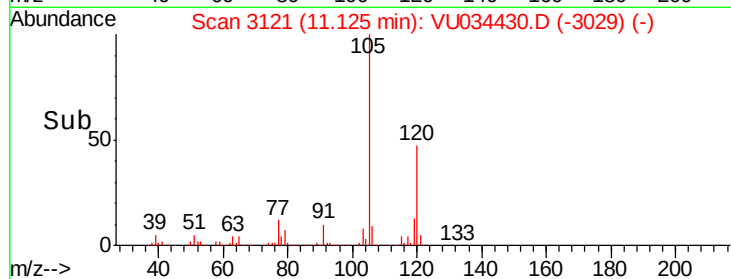
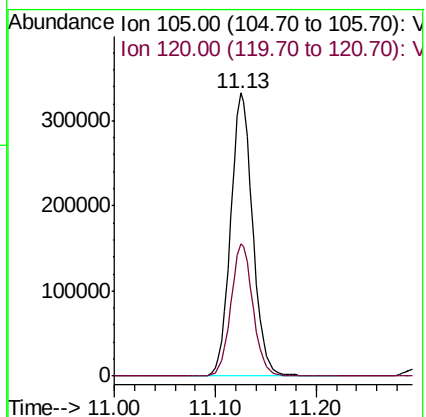
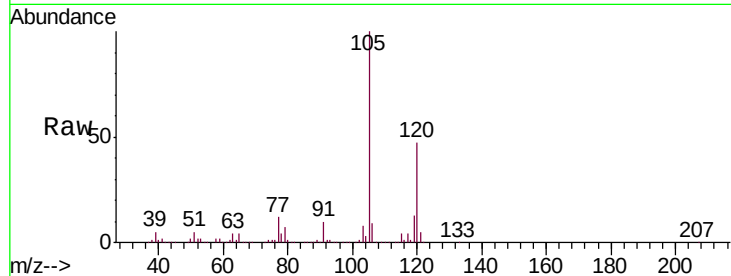
S13-0274DL

Tgt Ion:105 Resp: 506625

Ion Ratio Lower Upper

105 100

120 46.4 22.9 68.8



#85

sec-Butylbenzene

Concen: 1.102 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034430.D

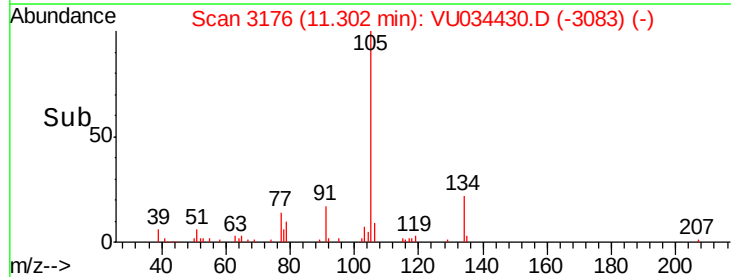
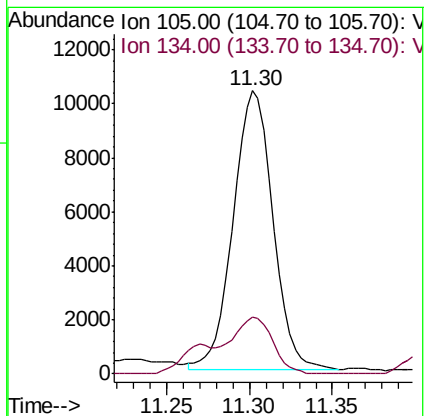
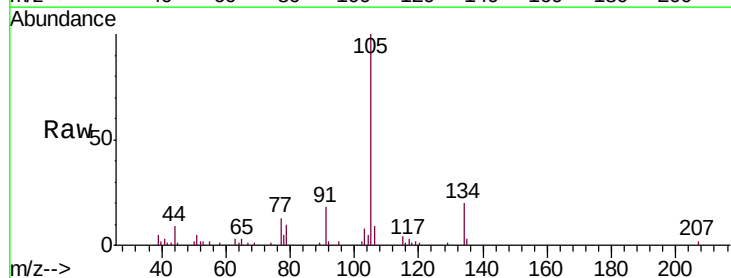
Acq: 09 Sep 2019 13:59

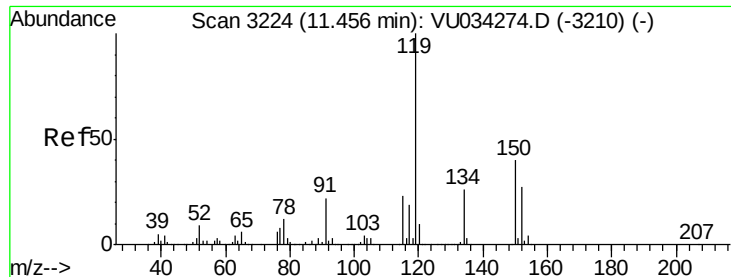
Tgt Ion:105 Resp: 17217

Ion Ratio Lower Upper

105 100

134 20.0 10.1 30.3

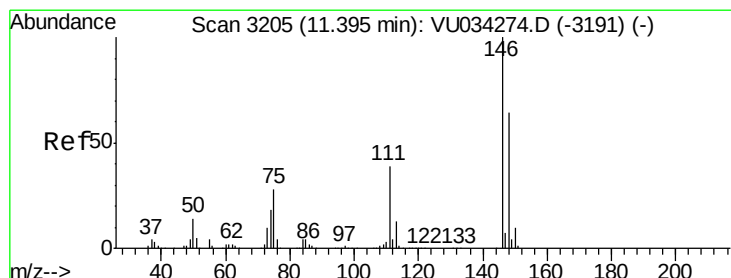
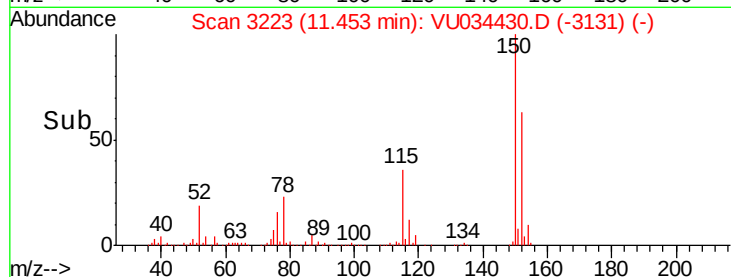
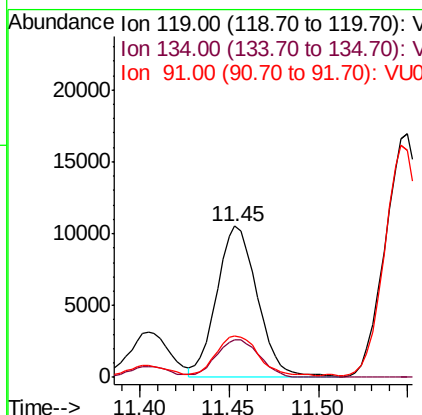
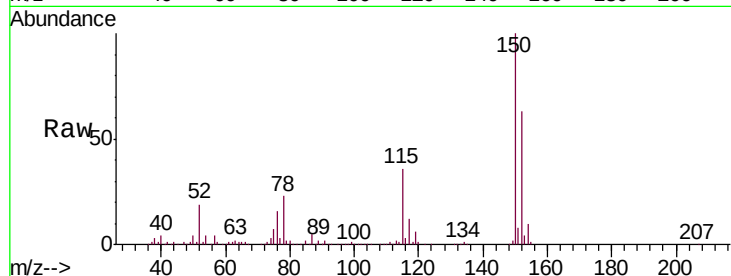




#86
 p-Isopropyltoluene
 Concen: 1.156 ug/l
 RT: 11.45 min Scan# 3223
 Delta R.T. -0.00 min
 Lab File: VU034430.D
 Acq: 09 Sep 2019 13:59

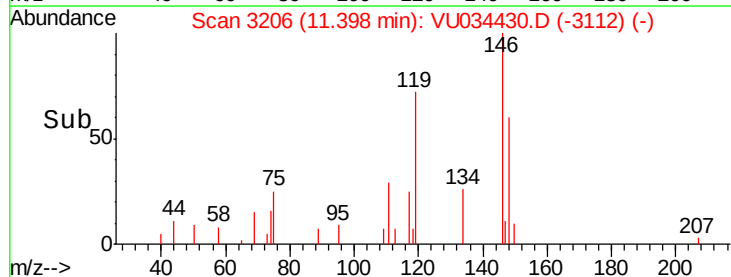
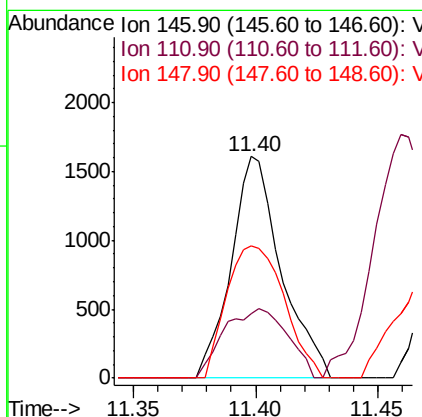
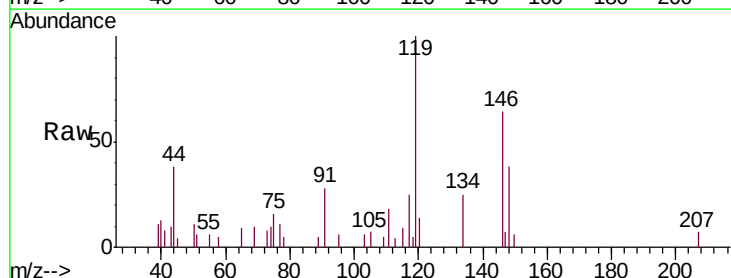
Instrument :
 MSVOA_U
 ClientSampled :
 S13-0274DL

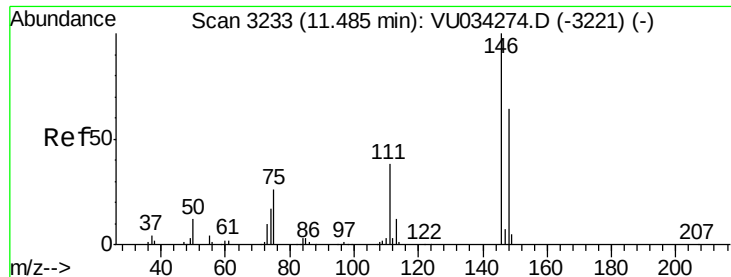
Tgt Ion:119 Resp: 16670
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.3 39.8
 91 28.5 11.2 33.6



#87
 1,3-Dichlorobenzene
 Concen: 0.283 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034430.D
 Acq: 09 Sep 2019 13:59

Tgt Ion:146 Resp: 2287
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.5 58.5
 148 69.1 32.1 96.3

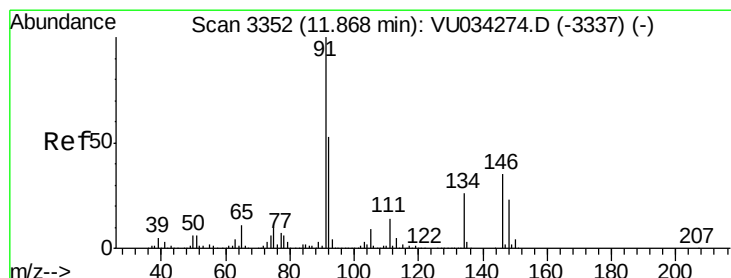
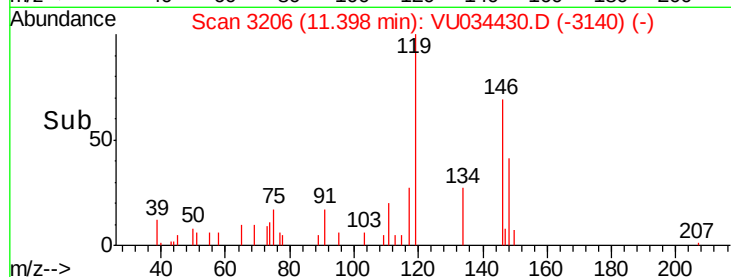
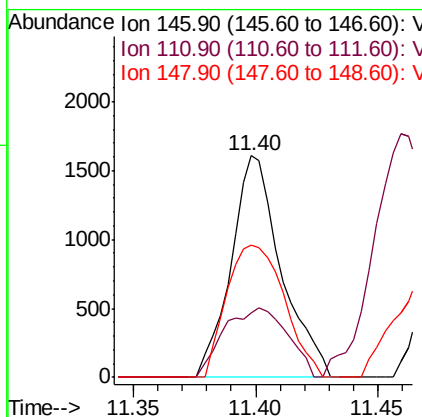
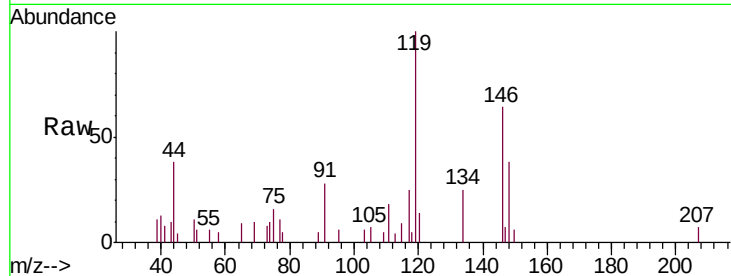




#88
 1,4-Dichlorobenzene
 Concen: 0.272 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. -0.09 min
 Lab File: VU034430.D
 Acq: 09 Sep 2019 13:59

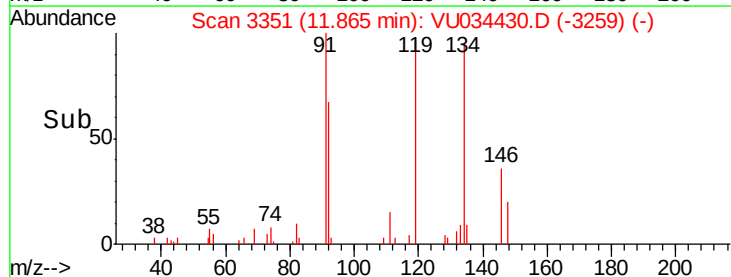
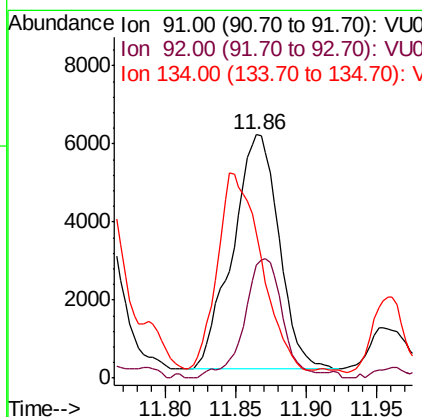
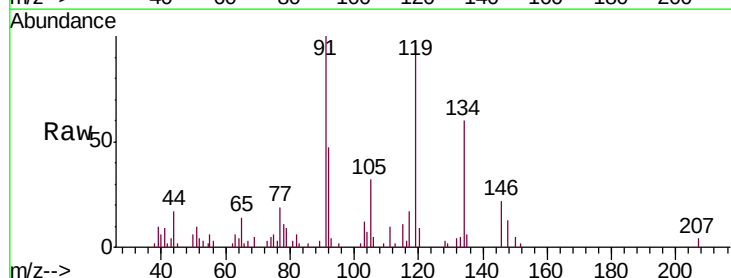
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0274DL

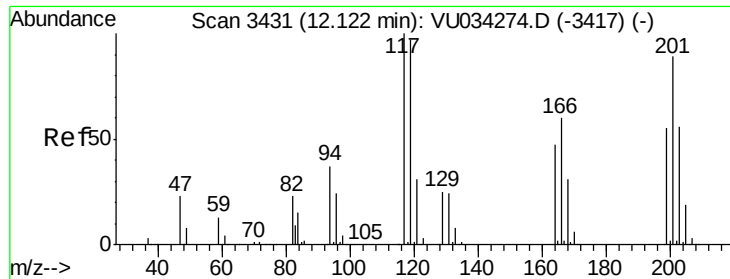
Tgt Ion:146 Resp: 2287
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.1 57.3
 148 69.1 32.0 96.0



#89
 n-Butylbenzene
 Concen: 1.105 ug/l
 RT: 11.86 min Scan# 3351
 Delta R.T. -0.00 min
 Lab File: VU034430.D
 Acq: 09 Sep 2019 13:59

Tgt Ion: 91 Resp: 13845
 Ion Ratio Lower Upper
 91 100
 92 42.4 26.5 79.4
 134 0.0 13.2 39.6#





#90

Hexachloroethane

Concen: 1.910 ug/l

RT: 12.12 min Scan# 3432

Delta R.T. 0.00 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

Instrument :

MSVOA_U

ClientSampleId :

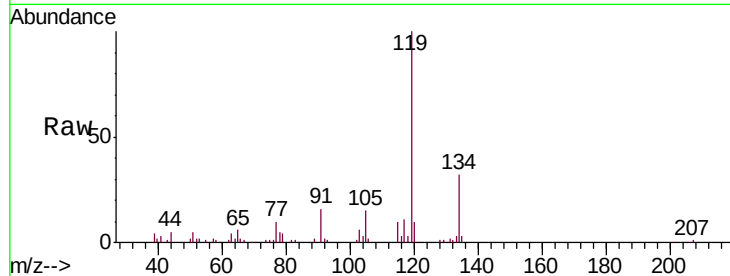
S13-0274DL

Tgt Ion:117 Resp: 4405

Ion Ratio Lower Upper

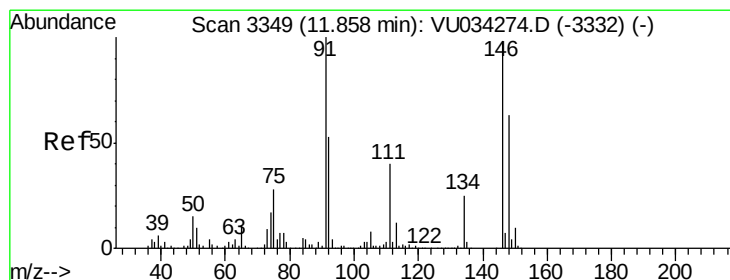
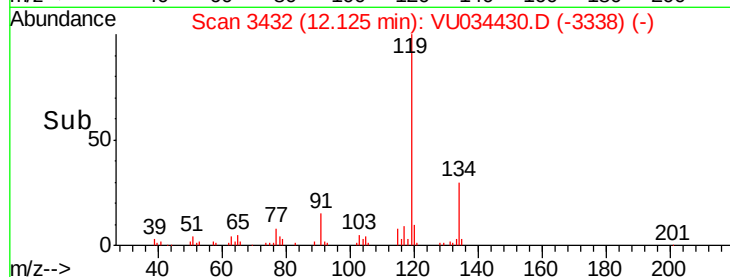
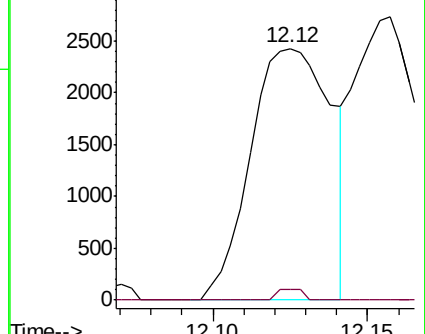
117 100

201 1.3 44.1 132.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.300 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

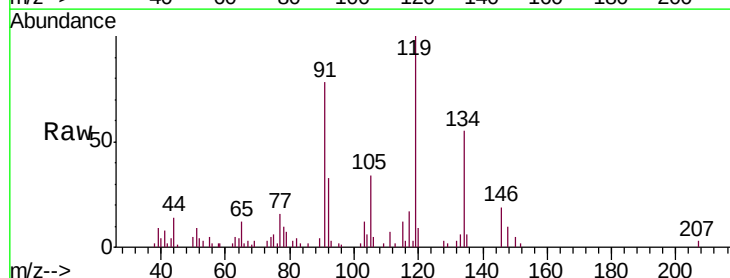
Tgt Ion:146 Resp: 2380

Ion Ratio Lower Upper

146 100

111 38.7 20.0 60.0

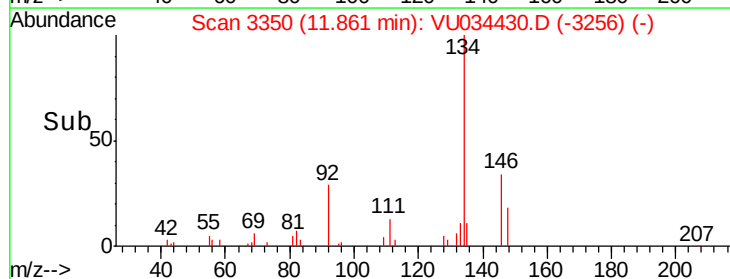
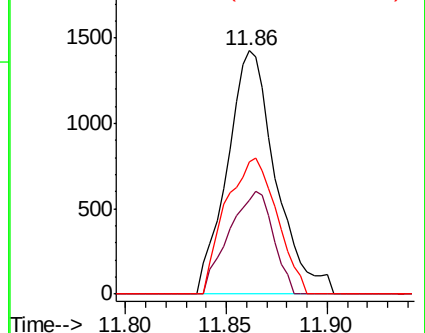
148 59.1 31.6 94.8

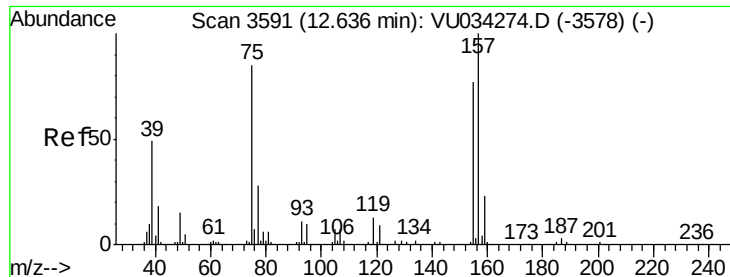


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.502 ug/l

RT: 12.64 min Scan# 3592

Delta R.T. 0.00 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

Instrument :

MSVOA_U

ClientSampleId :

S13-0274DL

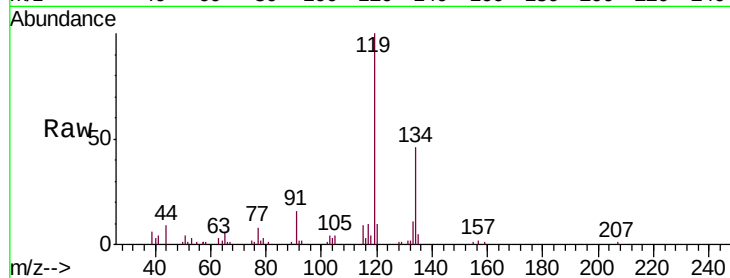
Tgt Ion: 75 Resp: 590

Ion Ratio Lower Upper

75 100

155 32.5 44.6 134.0#

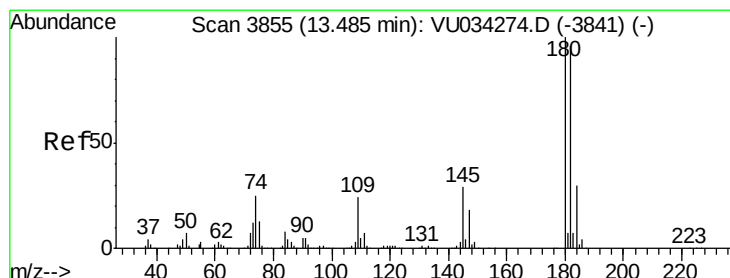
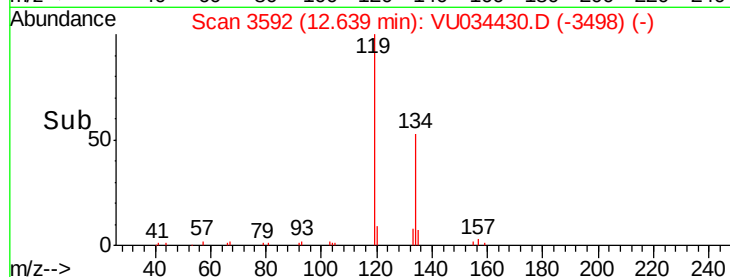
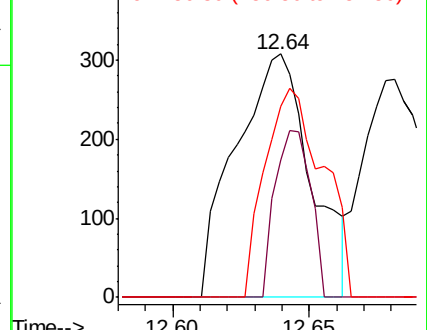
157 66.1 58.2 174.6



Abundance Ion 74.90 (74.60 to 75.60): VU034430.D (-3498) (-)

Ion 154.80 (154.50 to 155.50): VU034430.D (-3498) (-)

Ion 156.80 (156.50 to 157.50): VU034430.D (-3498) (-)



#93

1,2,4-Trichlorobenzene

Concen: 4.297 ug/l

RT: 13.49 min Scan# 3856

Delta R.T. 0.00 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

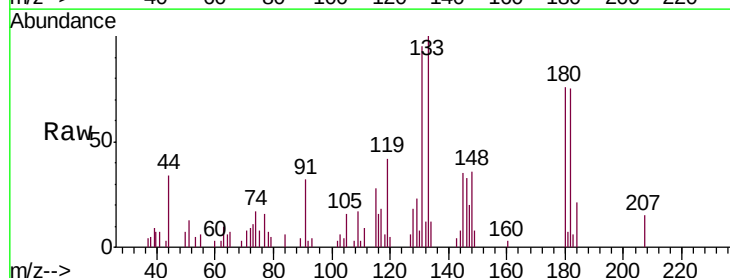
Tgt Ion: 180 Resp: 5225

Ion Ratio Lower Upper

180 100

182 96.8 47.9 143.8

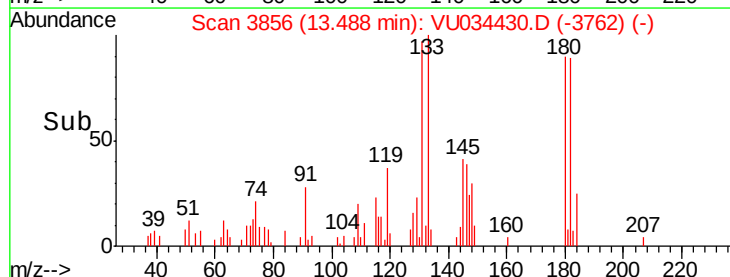
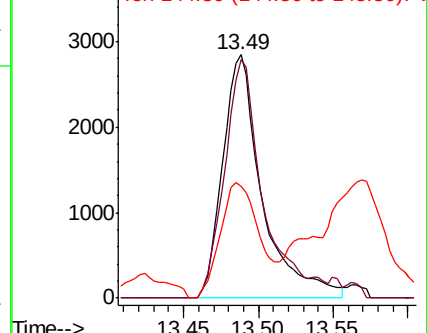
145 48.0 14.4 43.0#

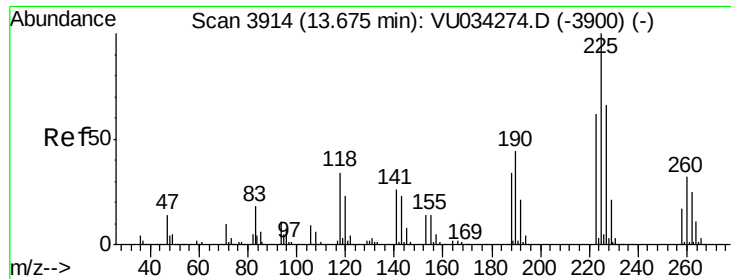


Abundance Ion 179.80 (179.50 to 180.50): VU034430.D (-3762) (-)

Ion 181.80 (181.50 to 182.50): VU034430.D (-3762) (-)

Ion 144.80 (144.50 to 145.50): VU034430.D (-3762) (-)





#94

Hexachlorobutadiene

Concen: 0.685 ug/l

RT: 13.67 min Scan# 3912

Delta R.T. -0.01 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

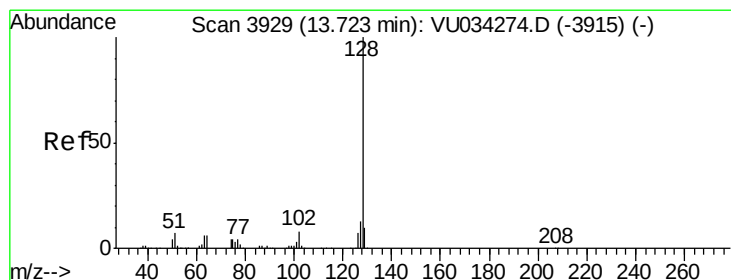
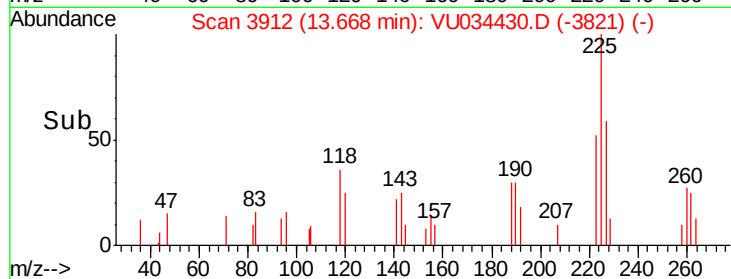
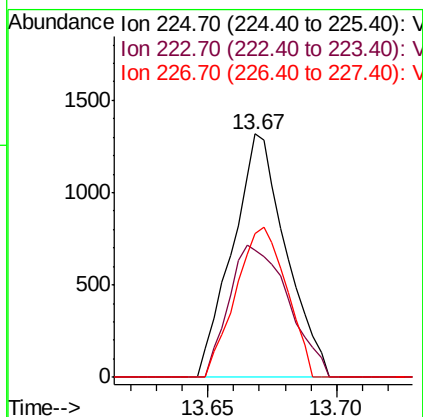
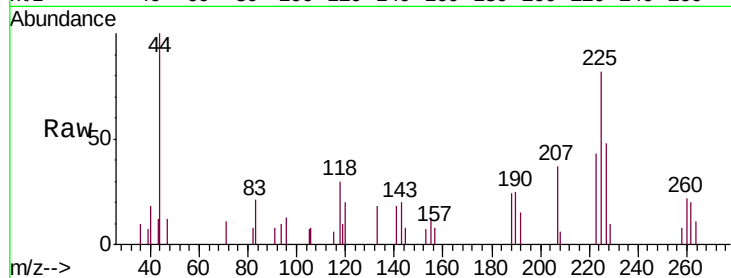
Instrument :

MSVOA_U

ClientSampleId :

S13-0274DL

Tgt Ion:	225	Resp:	1900
Ion	Ratio	Lower	Upper
225	100		
223	60.2	31.6	94.7
227	58.5	32.3	96.8



#95

Naphthalene

Concen: 15.265 ug/l

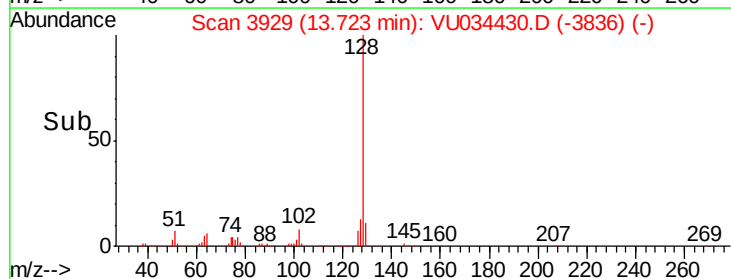
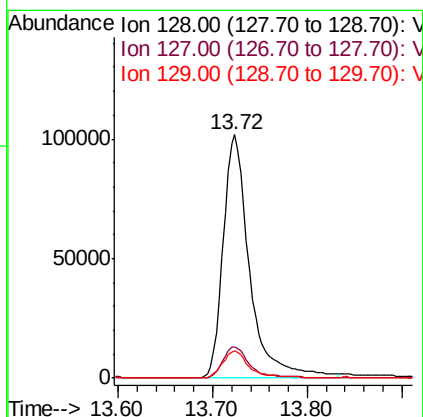
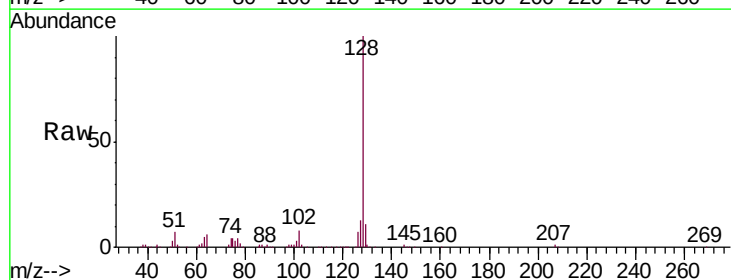
RT: 13.72 min Scan# 3929

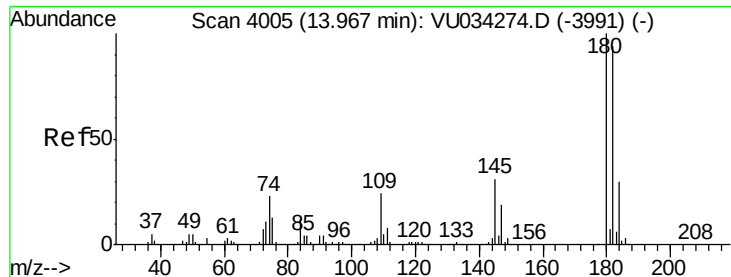
Delta R.T. 0.00 min

Lab File: VU034430.D

Acq: 09 Sep 2019 13:59

Tgt Ion:	128	Resp:	198762
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.1	8.4	12.6

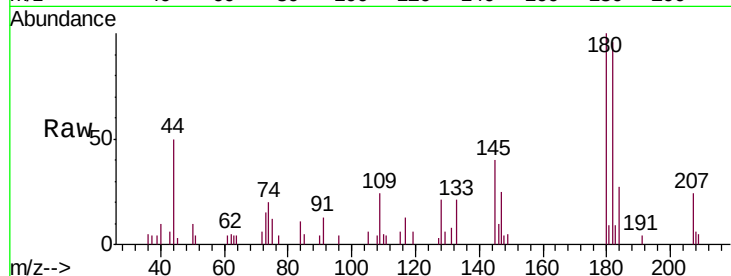




#96
 1,2,3-Trichlorobenzene
 Concen: 3.658 ug/l
 RT: 13.97 min Scan# 4007
 Delta R.T. 0.01 min
 Lab File: VU034430.D
 Acq: 09 Sep 2019 13:59

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0274DL

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.0	48.4	145.0
145	22.2	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

