

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
 Data File : VU034362.D
 Acq On : 07 Sep 2019 04:09
 Operator : JC/SP
 Sample : K4725-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0267

Quant Time: Sep 07 05:51:22 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	308520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	459087	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	435752	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	283603	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	220508	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	
35) Dibromofluoromethane	4.86	113	202066	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
50) Toluene-d8	7.55	98	825594	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
62) 4-Bromofluorobenzene	10.29	95	283119	45.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.38%	

Target Compounds					Qvalue
5) Bromomethane	1.63	94	344	Below Cal	99
6) Chloroethane	1.69	64	107	Below Cal	# 43
10) Methyl Iodide	2.41	142	108	3.877 ug/l	# 43
11) Tert butyl alcohol	2.82	59	1584	1.606 ug/l	# 73
13) Acrolein	2.30	56	15058	18.167 ug/l	# 73
14) Allyl chloride	2.69	41	173311	27.007 ug/l	# 64
15) Acrylonitrile	2.98	53	30966	12.609 ug/l	# 40
16) Acetone	2.30	43	46332	19.180 ug/l	# 52
18) Methyl Acetate	2.69	43	472169	80.329 ug/l	# 52
20) Methylene Chloride	2.69	84	2488	0.231 ug/l	# 1
25) 2-Butanone	4.20	43	15275	4.737 ug/l	# 48
29) Tetrahydrofuran	4.71	42	1251	0.638 ug/l	# 1
31) Cyclohexane	4.98	56	2196614	401.744 ug/l	98
36) 1,1-Dichloropropene	4.96	75	22179	4.455 ug/l	# 1
38) Carbon Tetrachloride	4.96	117	26758	5.033 ug/l	# 15
39) Methylcyclohexane	6.40	83	3798429	713.671 ug/l	97
40) Benzene	5.38	78	3936	0.245 ug/l	95
41) Methacrylonitrile	4.71	41	12344	3.937 ug/l	# 45
43) Isopropyl Acetate	5.52	43	60033	6.537 ug/l	# 60
45) 1,2-Dichloropropane	6.40	63	27554	5.867 ug/l	# 1
46) Dibromomethane	6.40	93	2297	0.779 ug/l	# 1
47) Bromodichloromethane	6.72	83	11034	1.818 ug/l	# 66
48) Methyl methacrylate	6.40	41	1440914	330.367 ug/l	# 79
51) 4-Methyl-2-Pentanone	7.51	43	52875	8.318 ug/l	# 40
55) 1,1,2-Trichloroethane	8.03	97	197242	43.102 ug/l	# 19
56) Ethyl methacrylate	8.03	69	42958	8.875 ug/l	# 12
58) 2-Chloroethyl Vinyl ether	7.03	63	507	16.817 ug/l	# 48
59) 2-Hexanone	8.31	43	8985	1.892 ug/l	# 25
73) Isopropylbenzene	10.14	105	464680	25.177 ug/l	100
74) N-amyl acetate	10.02	43	3415	0.460 ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	10.47	83	6527	0.874 ug/l	# 34
76) 1,2,3-Trichloropropane	10.29	75	132608	21.421 ug/l	# 36
78) n-propylbenzene	10.57	91	472318	22.159 ug/l	100
79) 2-Chlorotoluene	10.57	91	472318	36.316 ug/l	# 40

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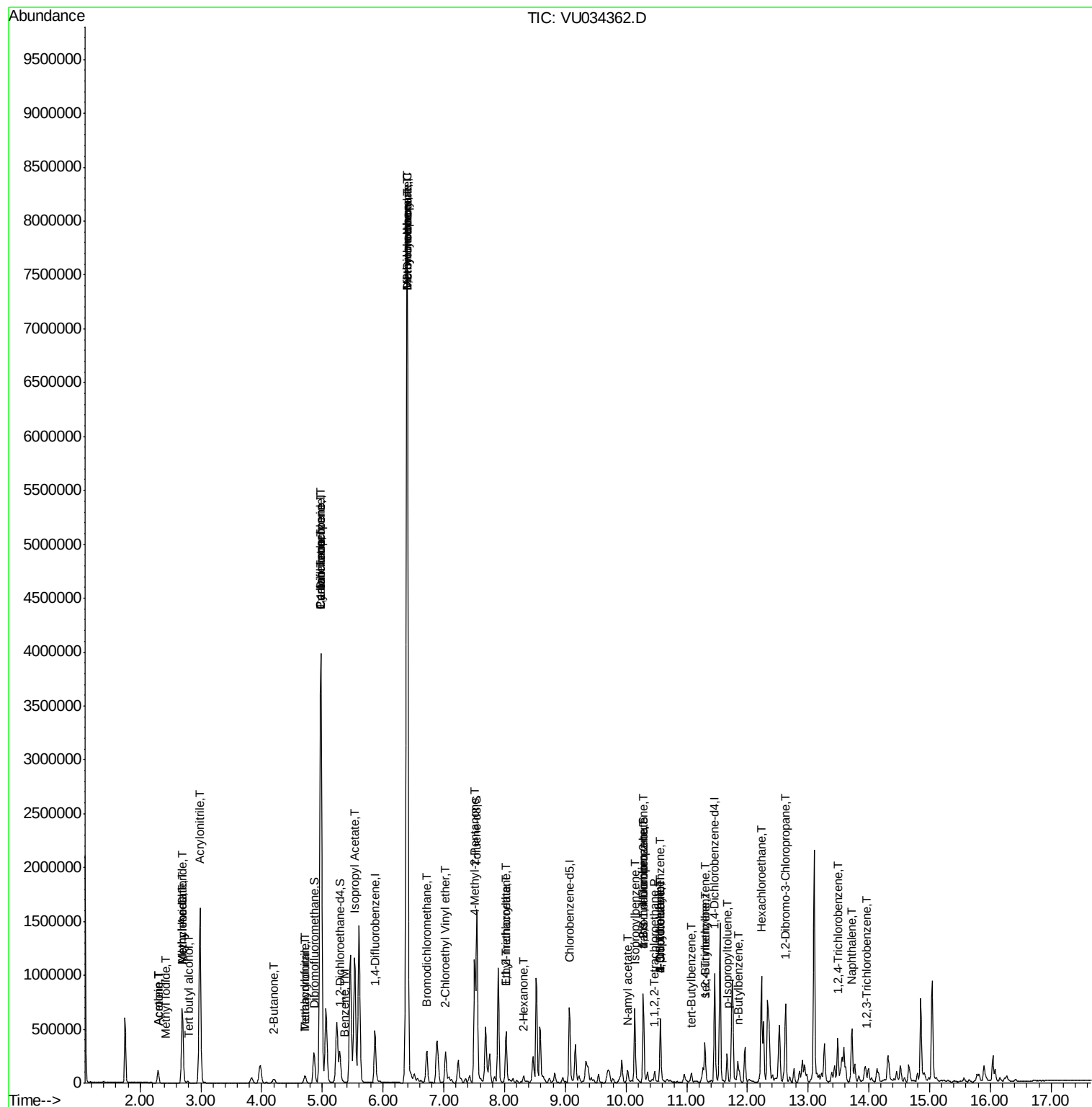
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	10.57	105	17502	1.134	ug/l #	1
81) trans-1,4-Dichloro-2-buten	10.29	75	132608	72.038	ug/l #	100
82) 4-Chlorotoluene	10.57	91	472318	31.558	ug/l #	44
83) tert-Butylbenzene	11.08	119	45125	2.922	ug/l	91
84) 1,2,4-Trimethylbenzene	11.30	105	239259	15.399	ug/l #	31
85) sec-Butylbenzene	11.30	105	239259	13.125	ug/l	100
86) p-Isopropyltoluene	11.67	119	150435	8.941	ug/l	98
89) n-Butylbenzene	11.87	91	61047	4.175	ug/l #	71
90) Hexachloroethane	12.23	117	44600	16.568	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	12.63	75	3203	2.333	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.49	180	554	3.528	ug/l #	1
95) Naphthalene	13.72	128	384780	22.708	ug/l	97
96) 1,2,3-Trichlorobenzene	13.97	180	462	2.706	ug/l #	78

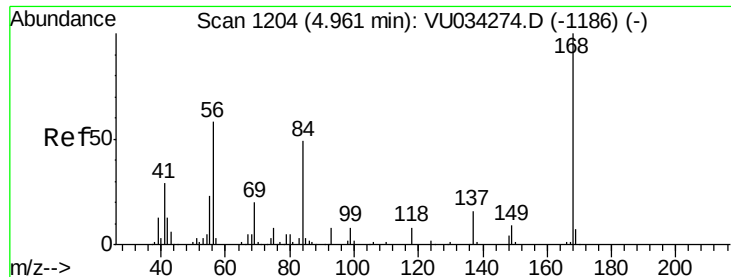
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU034362.D

Acq: 07 Sep 2019 04:09

Instrument :

MSVOA_U

ClientSampleId :

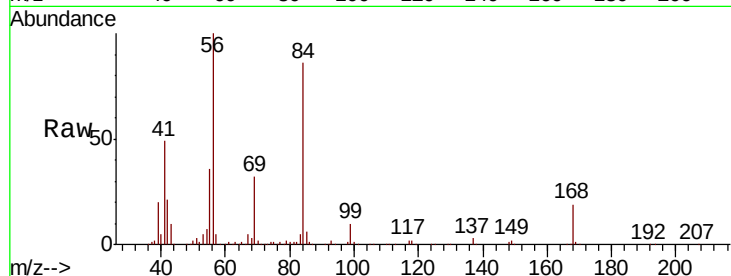
S13-0267

Tgt Ion:168 Resp: 308520

Ion Ratio Lower Upper

168 100

99 50.7 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

150000

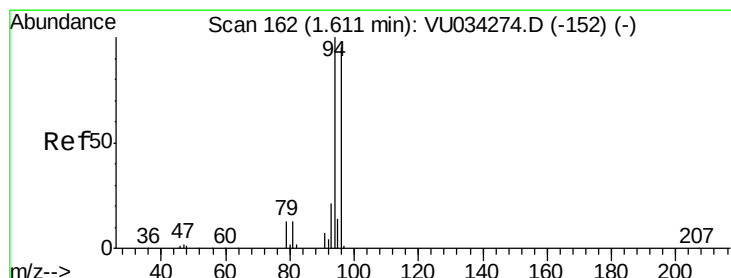
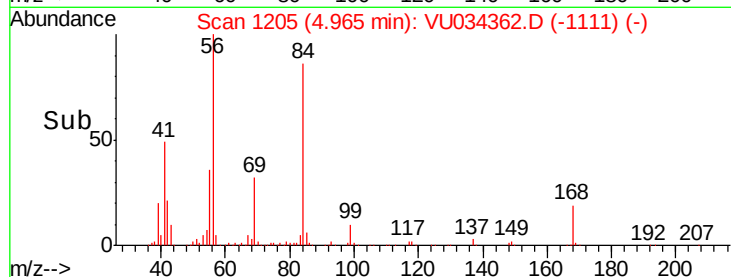
100000

50000

0

4.90 5.00

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 168

Delta R.T. 0.02 min

Lab File: VU034362.D

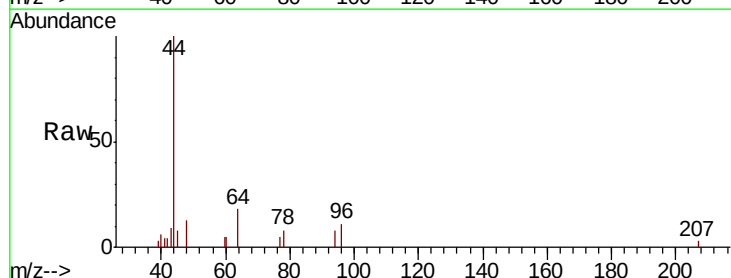
Acq: 07 Sep 2019 04:09

Tgt Ion: 94 Resp: 344

Ion Ratio Lower Upper

94 100

96 93.7 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034274.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034274.D (-152) (-)

1.63

400

300

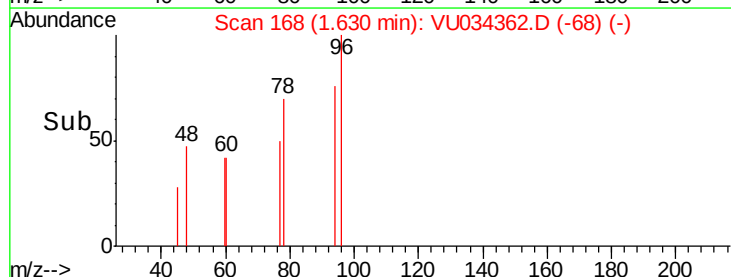
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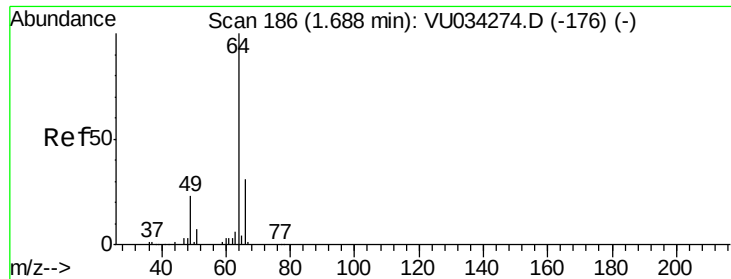
100

0

1.60 1.62 1.64

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034362.D

Acq: 07 Sep 2019 04:09

Instrument :

MSVOA_U

ClientSampleId :

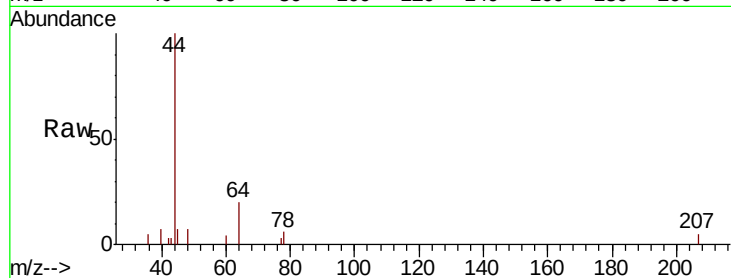
S13-0267

Tgt Ion: 64 Resp: 107

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VU034274.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034274.D (-176) (-)

800

600

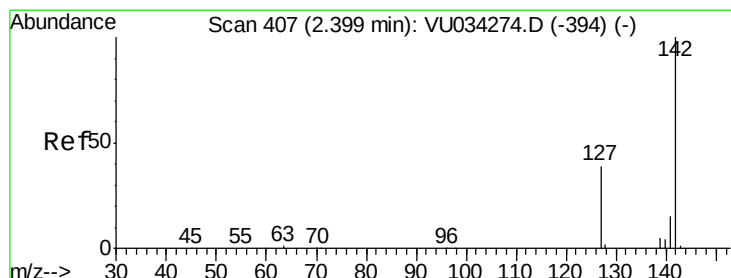
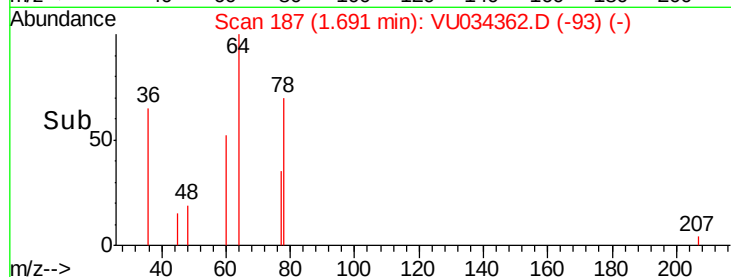
400

200

0

1.68 1.69 1.70 1.71

Time-->



#10

Methyl Iodide

Concen: 3.877 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.01 min

Lab File: VU034362.D

Acq: 07 Sep 2019 04:09

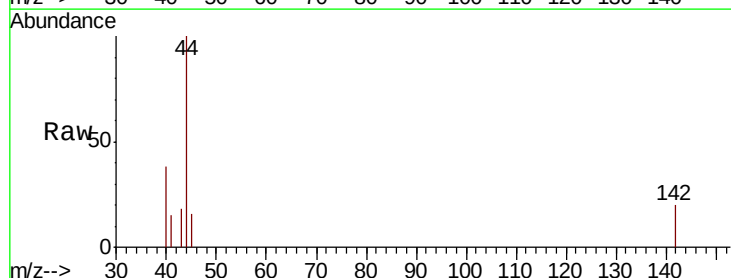
Tgt Ion: 142 Resp: 108

Ion Ratio Lower Upper

142 100

127 0.0 32.1 48.1#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): VU034274.D (-394) (-)

Ion 126.80 (126.50 to 127.50): VU034274.D (-394) (-)

Ion 140.80 (140.50 to 141.50): VU034274.D (-394) (-)

200

150

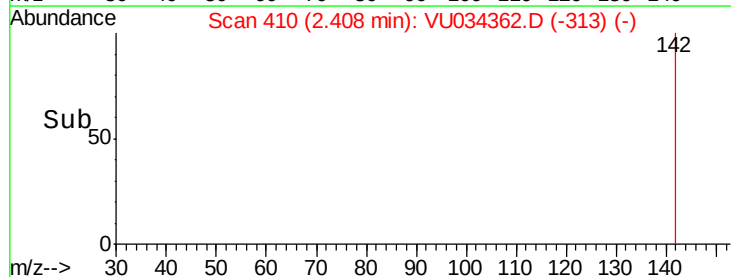
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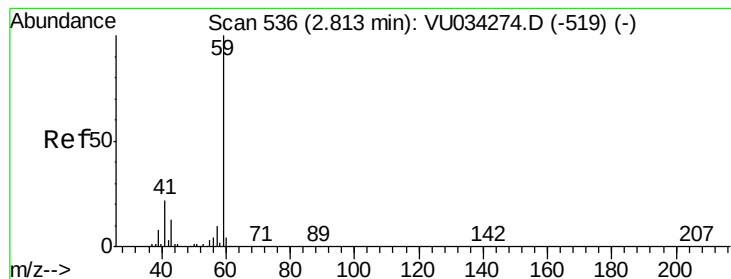
50

0

2.39 2.40 2.41

Time-->





#11

Tert butyl alcohol

Concen: 1.606 ug/l

RT: 2.82 min Scan# 537

Delta R.T. 0.00 min

Lab File: VU034362.D

Acq: 07 Sep 2019 04:09

Instrument :

MSVOA_U

ClientSampleId :

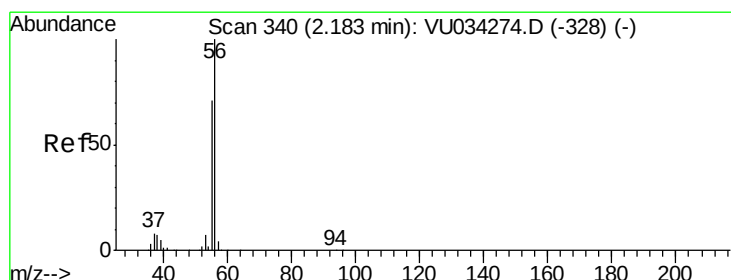
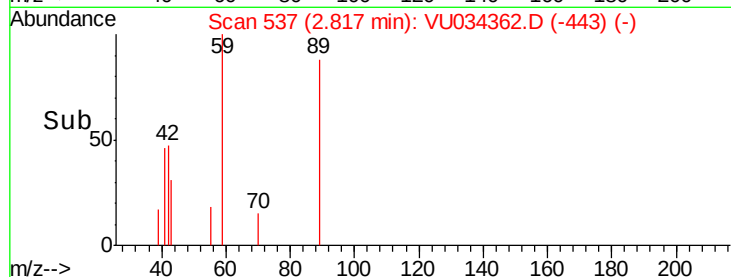
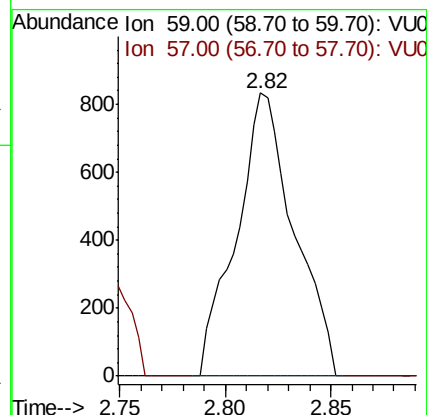
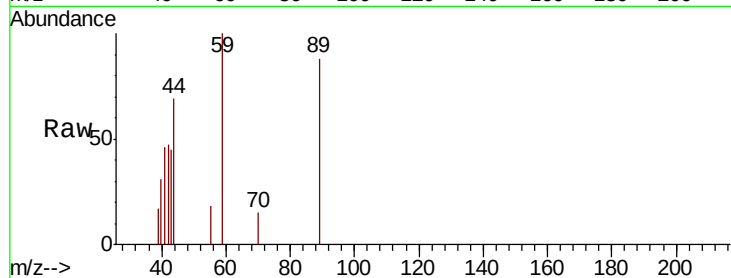
S13-0267

Tgt Ion: 59 Resp: 1584

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



#13

Acrolein

Concen: 18.167 ug/l

RT: 2.30 min Scan# 375

Delta R.T. 0.11 min

Lab File: VU034362.D

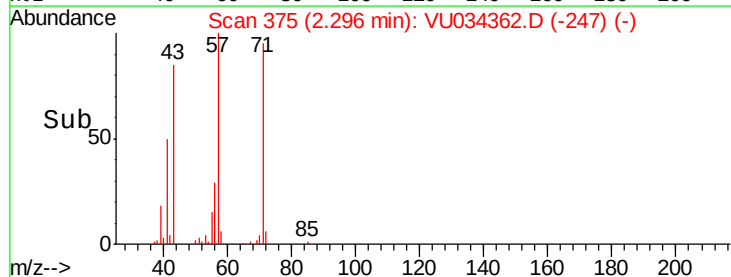
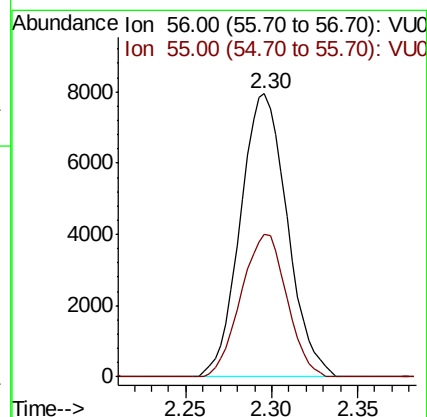
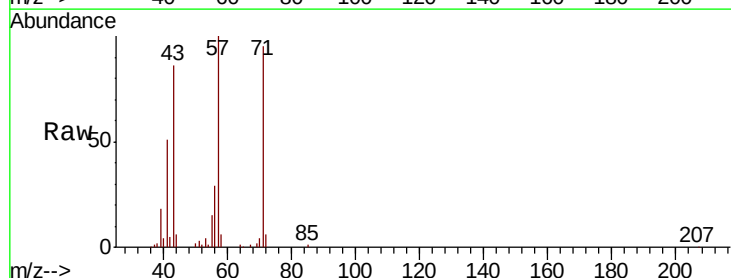
Acq: 07 Sep 2019 04:09

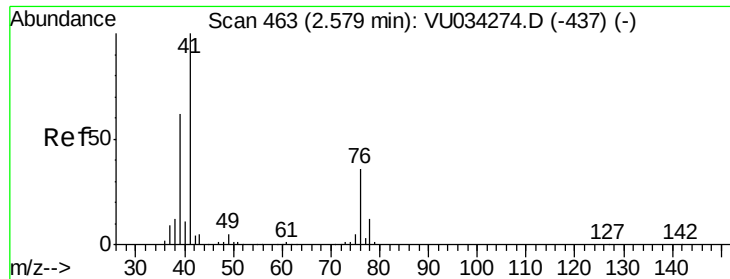
Tgt Ion: 56 Resp: 15058

Ion Ratio Lower Upper

56 100

55 49.1 57.4 86.2#

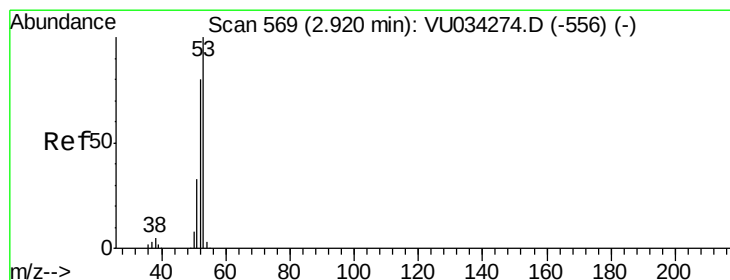
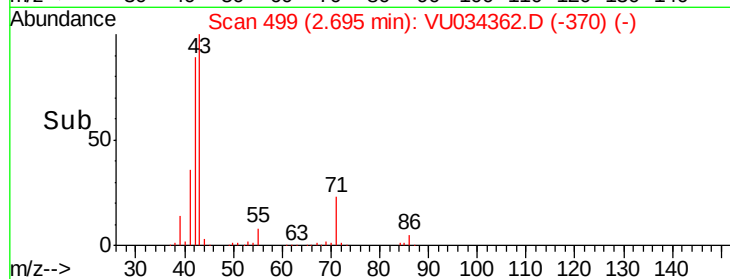
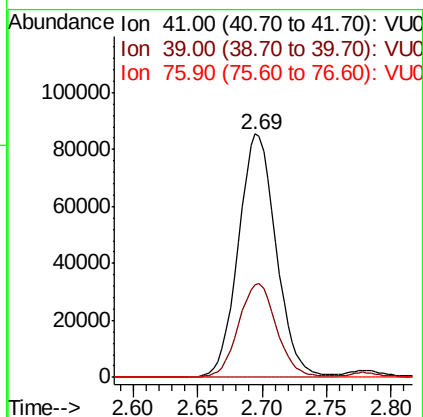
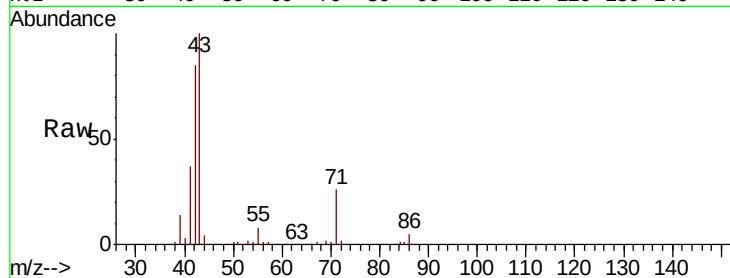




#14
 Allyl chloride
 Concen: 27.007 ug/l
 RT: 2.69 min Scan# 499
 Delta R.T. 0.12 min
 Lab File: VU034362.D
 Acq: 07 Sep 2019 04:09

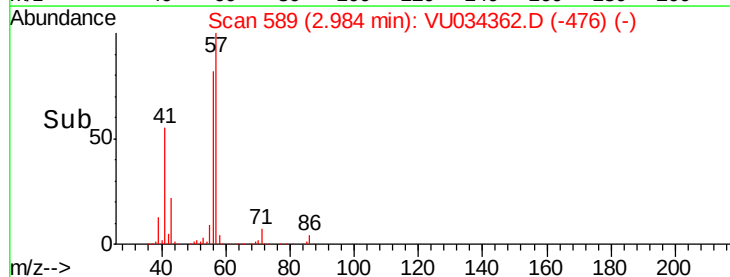
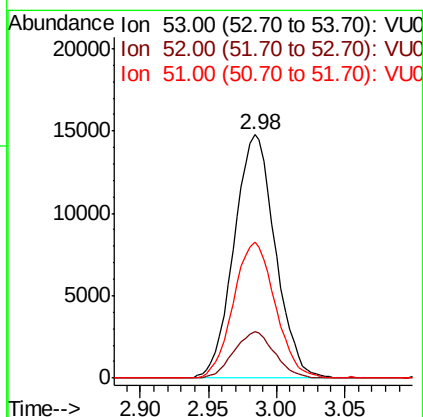
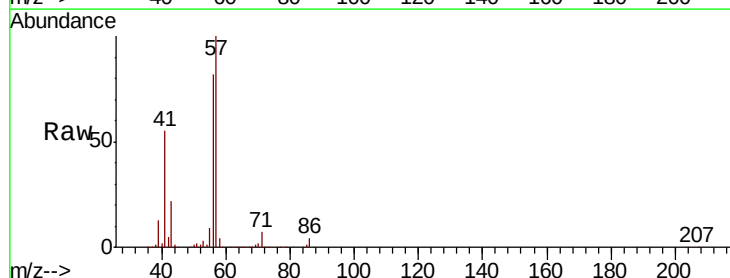
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0267

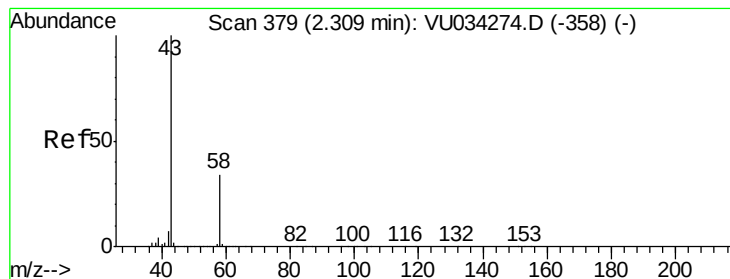
Tgt Ion: 41 Resp: 173311
 Ion Ratio Lower Upper
 41 100
 39 39.1 43.5 65.3#
 76 0.0 27.0 40.6#



#15
 Acrylonitrile
 Concen: 12.609 ug/l
 RT: 2.98 min Scan# 589
 Delta R.T. 0.06 min
 Lab File: VU034362.D
 Acq: 07 Sep 2019 04:09

Tgt Ion: 53 Resp: 30966
 Ion Ratio Lower Upper
 53 100
 52 18.7 64.1 96.1#
 51 56.6 27.4 41.0#





#16

Acetone

Concen: 19.180 ug/l

RT: 2.30 min Scan# 375

Delta R.T. -0.01 min

Lab File: VU034362.D

Acq: 07 Sep 2019 04:09

Instrument :

MSVOA_U

ClientSampleId :

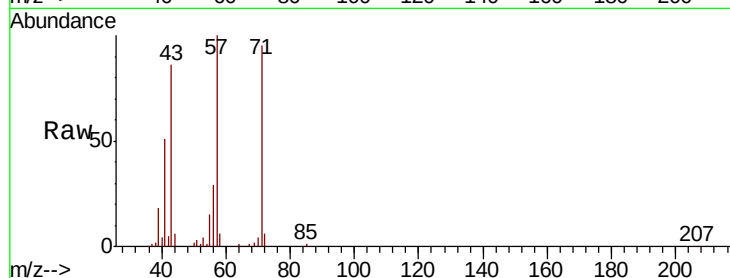
S13-0267

Tgt Ion: 43 Resp: 46332

Ion Ratio Lower Upper

43 100

58 6.7 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034274.D (-358) (-)

2.30

25000

20000

15000

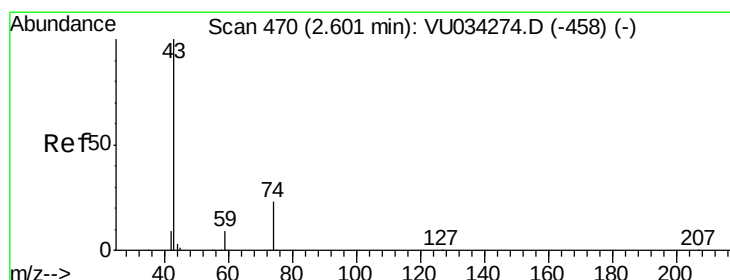
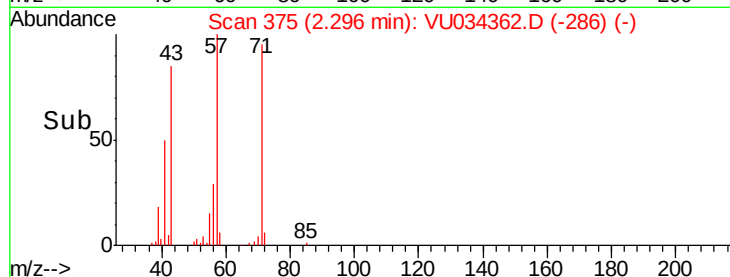
10000

5000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#18

Methyl Acetate

Concen: 80.329 ug/l

RT: 2.69 min Scan# 499

Delta R.T. 0.09 min

Lab File: VU034362.D

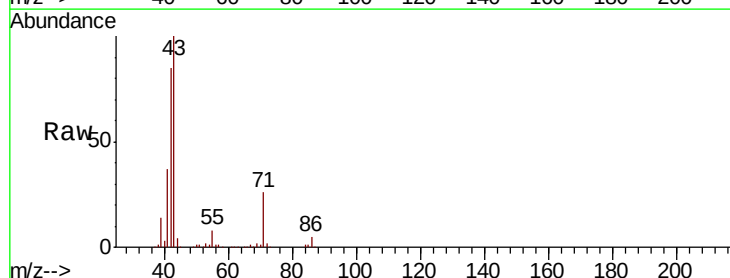
Acq: 07 Sep 2019 04:09

Tgt Ion: 43 Resp: 472169

Ion Ratio Lower Upper

43 100

74 0.0 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-458) (-)

Ion 74.00 (73.70 to 74.70): VU034274.D (-458) (-)

2.69

250000

200000

150000

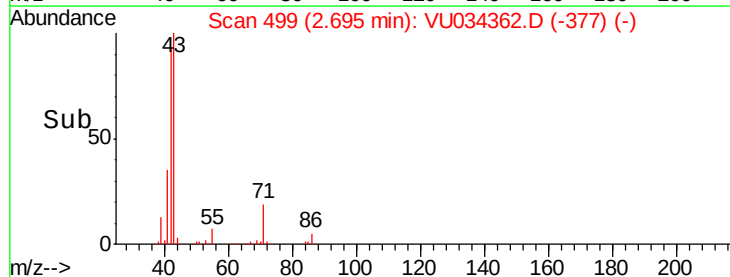
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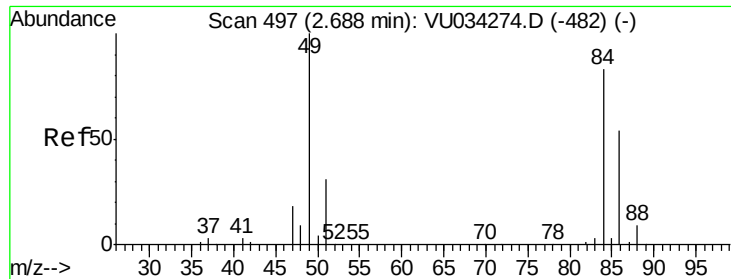
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Time-->

2.60 2.70 2.80

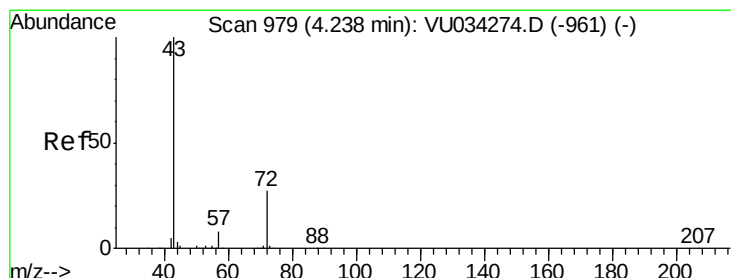
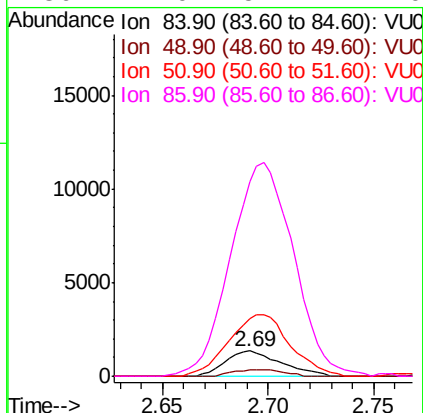
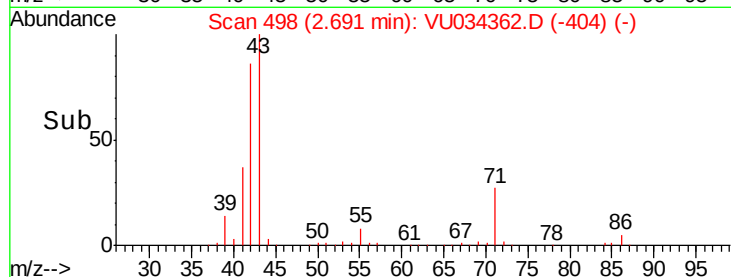
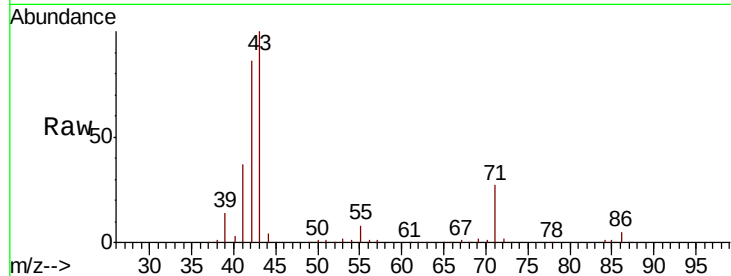




#20
Methylene Chloride
Concen: 0.231 ug/l
RT: 2.69 min Scan# 498
Delta R.T. 0.00 min
Lab File: VU034362.D
Acq: 07 Sep 2019 04:09

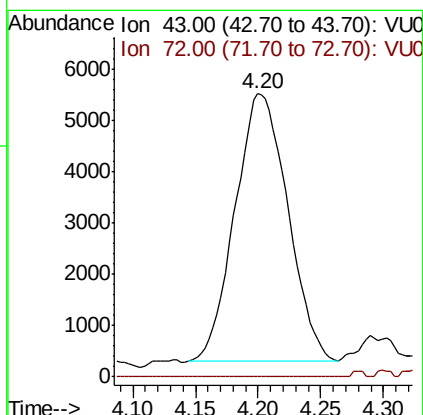
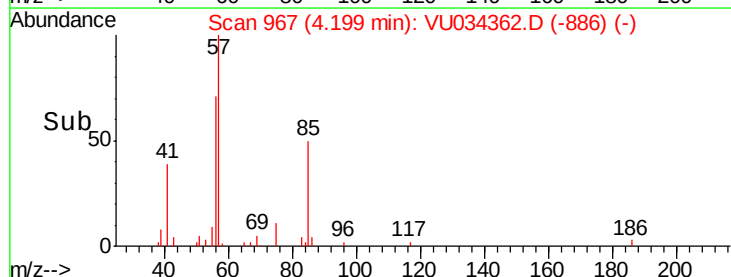
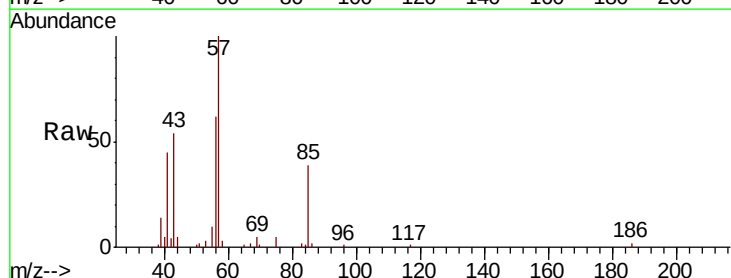
Instrument :
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S13-0267

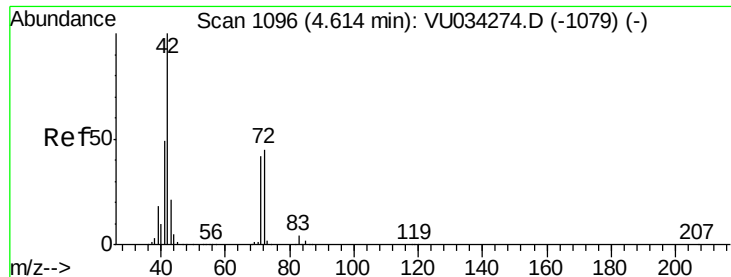
Tgt Ion: 84 Resp: 2488
Ion Ratio Lower Upper
84 100
49 24.4 96.0 144.0#
51 220.8 30.0 45.0#
86 741.0 51.4 77.0#



#25
2-Butanone
Concen: 4.737 ug/l
RT: 4.20 min Scan# 967
Delta R.T. -0.04 min
Lab File: VU034362.D
Acq: 07 Sep 2019 04:09

Tgt Ion: 43 Resp: 15275
Ion Ratio Lower Upper
43 100
72 0.0 21.8 32.6#





#29

Tetrahydrofuran

Concen: 0.638 ug/l

RT: 4.71 min Scan# 1125

Delta R.T. 0.09 min

Lab File: VU034362.D

Acq: 07 Sep 2019 04:09

Instrument :

MSVOA_U

ClientSampleId :

S13-0267

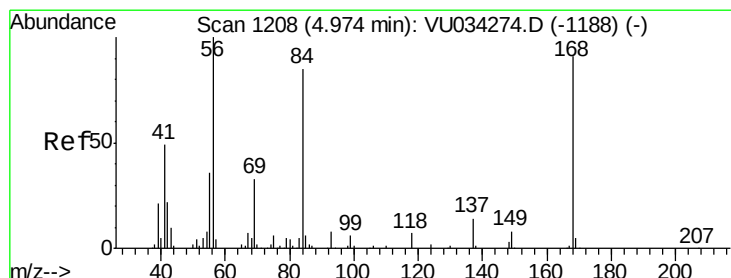
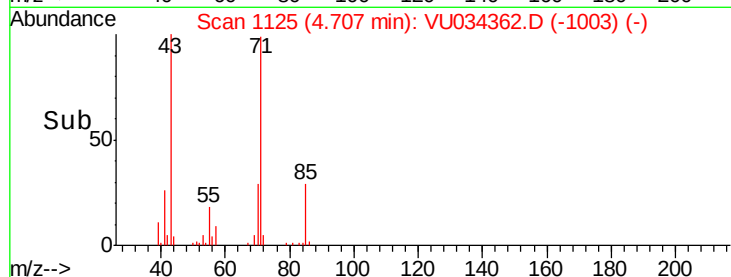
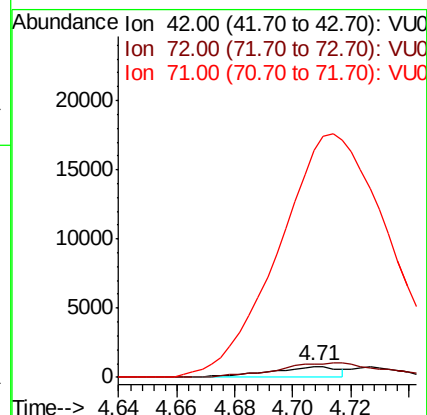
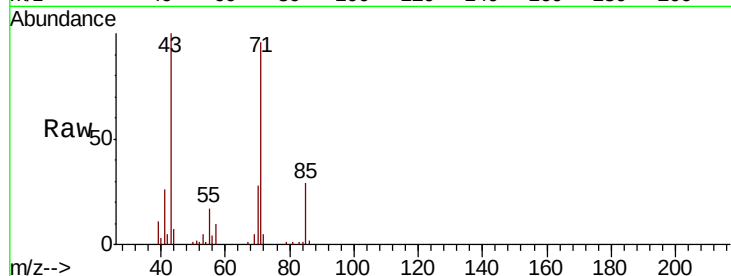
Tgt Ion: 42 Resp: 1251

Ion Ratio Lower Upper

42 100

72 209.5 36.6 54.8#

71 3749.3 34.3 51.5#



#31

Cyclohexane

Concen: 401.744 ug/l

RT: 4.98 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VU034362.D

Acq: 07 Sep 2019 04:09

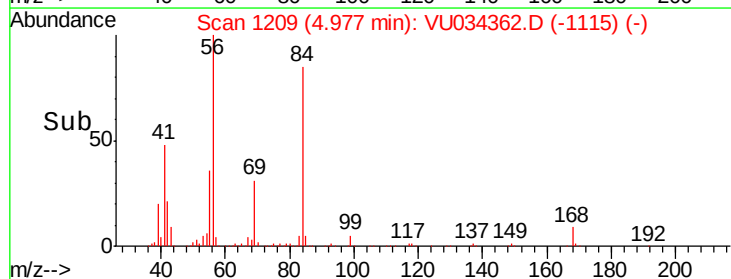
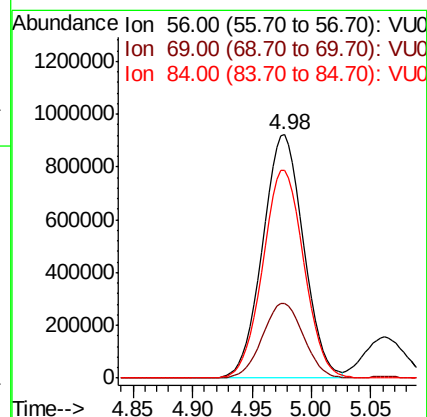
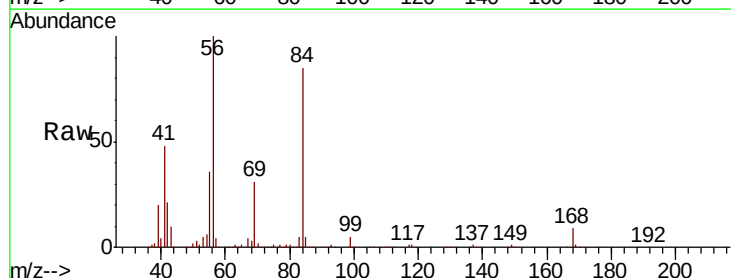
Tgt Ion: 56 Resp: 2196614

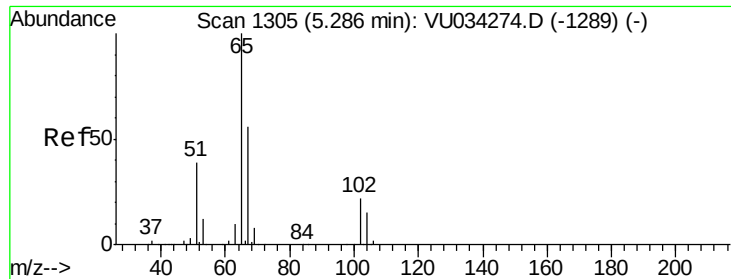
Ion Ratio Lower Upper

56 100

69 30.5 26.7 40.1

84 85.5 68.2 102.4

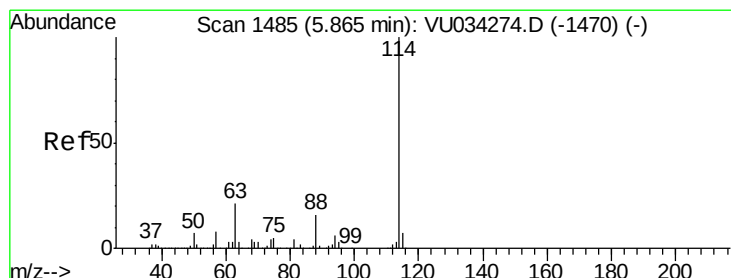
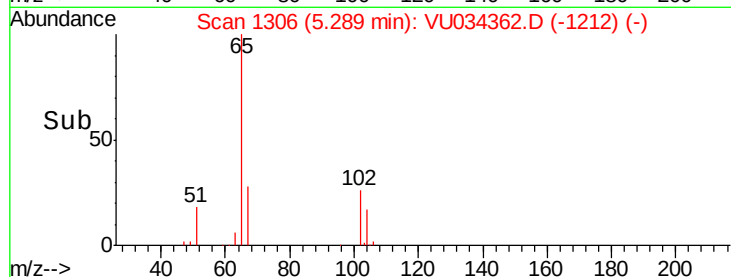
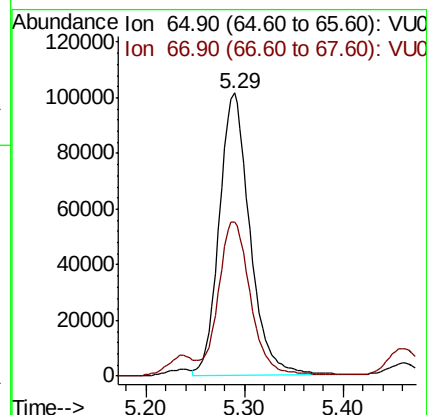
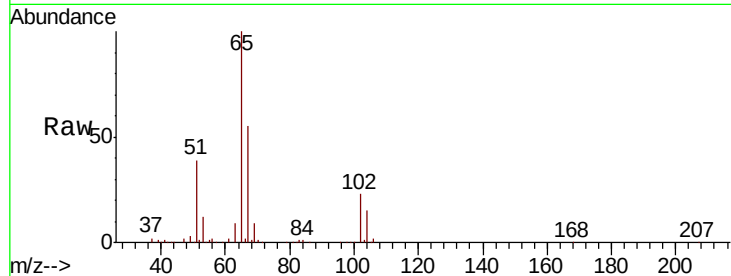




#33
 1,2-Dichloroethane-d4
 Concen: 47.238 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034362.D
 Acq: 07 Sep 2019 04:09

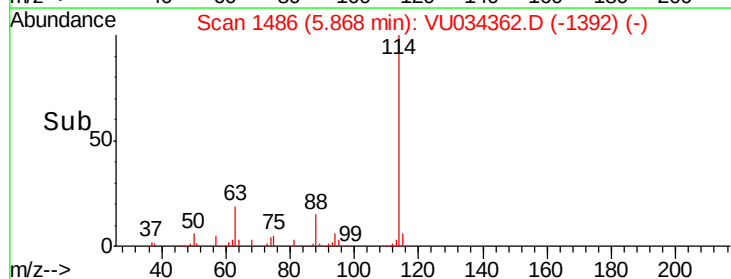
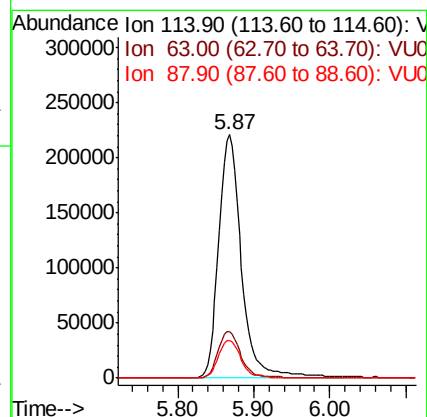
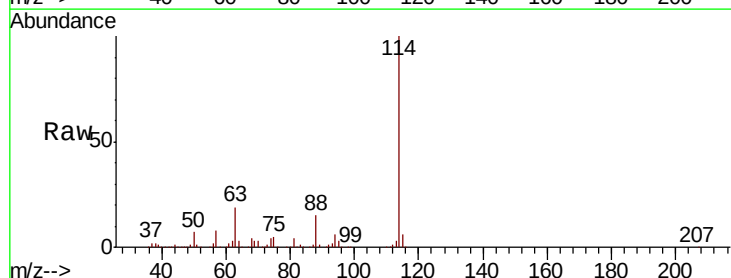
Instrument :
 MSVOA_U
 ClientSampled :
 S13-0267

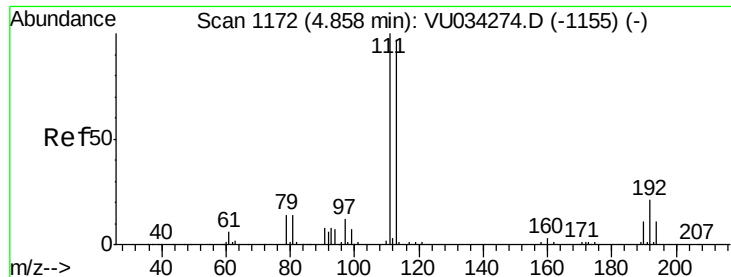
Tgt Ion: 65 Resp: 220508
 Ion Ratio Lower Upper
 65 100
 67 56.5 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034362.D
 Acq: 07 Sep 2019 04:09

Tgt Ion: 114 Resp: 459087
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 42.4
 88 15.3 0.0 32.4

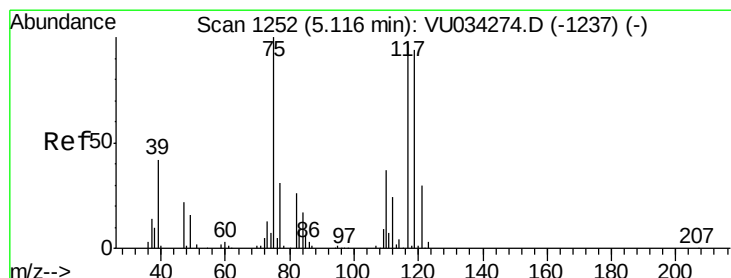
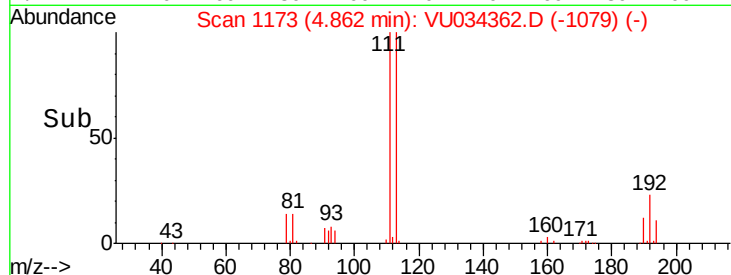
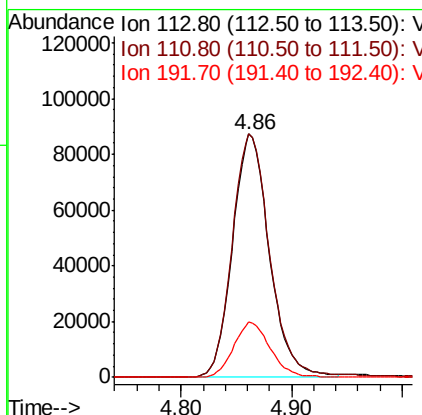
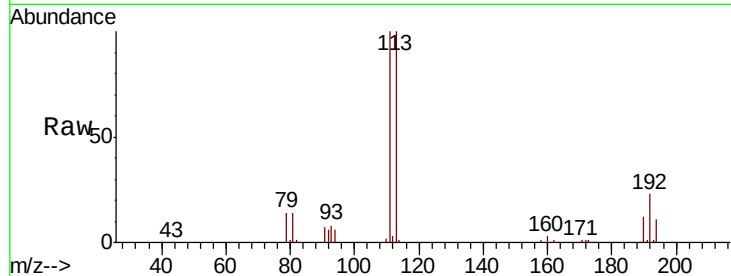




#35
 Dibromofluoromethane
 Concen: 47.302 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034362.D
 Acq: 07 Sep 2019 04:09

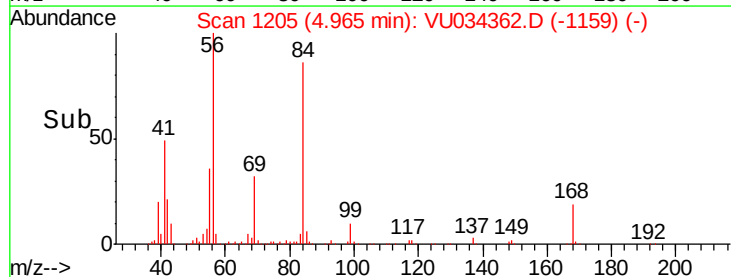
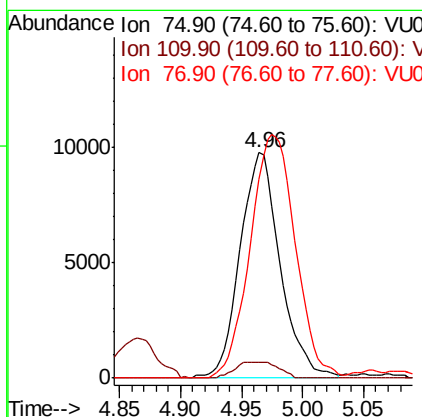
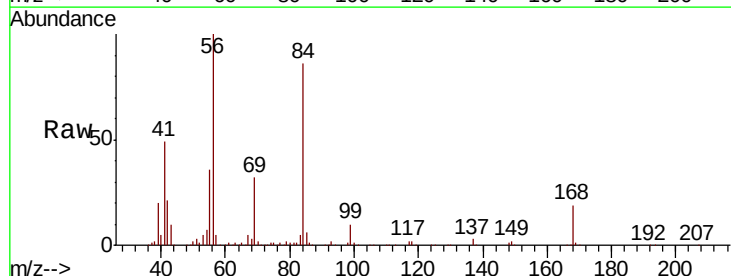
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0267

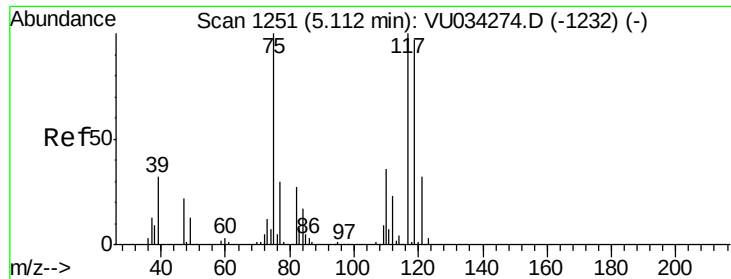
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.5	122.3
192	22.7	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 4.455 ug/l
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.15 min
 Lab File: VU034362.D
 Acq: 07 Sep 2019 04:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	3.3	18.3	54.9#
77	122.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.033 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. -0.15 min

Lab File: VU034362.D

Acq: 07 Sep 2019 04:09

Instrument :

MSVOA_U

ClientSampleId :

S13-0267

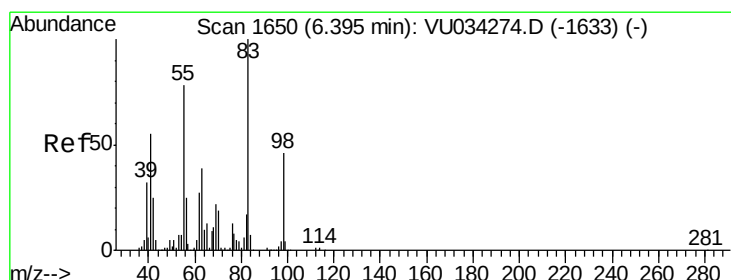
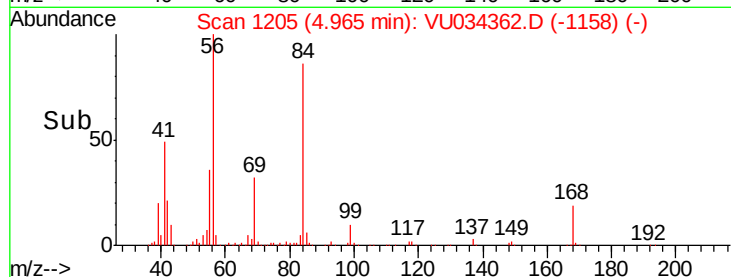
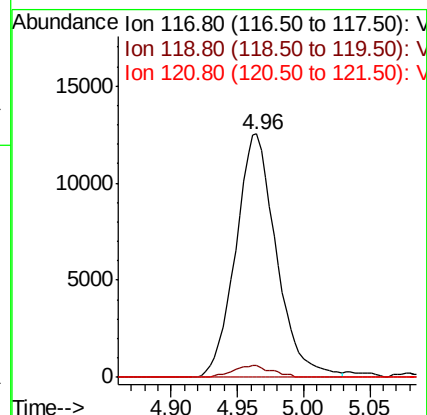
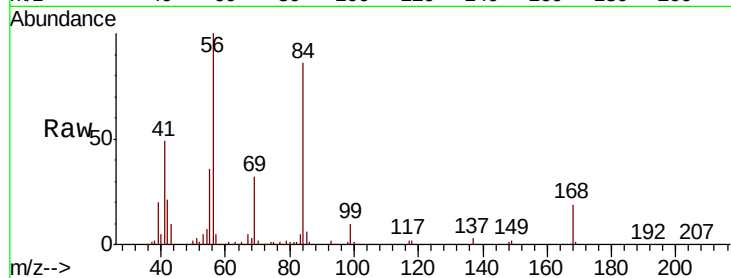
Tgt Ion:117 Resp: 26758

Ion Ratio Lower Upper

117 100

119 4.8 77.8 116.6#

121 0.0 25.2 37.8#



#39

Methylcyclohexane

Concen: 713.671 ug/l

RT: 6.40 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VU034362.D

Acq: 07 Sep 2019 04:09

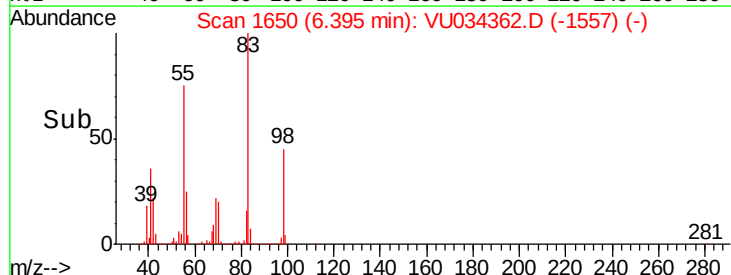
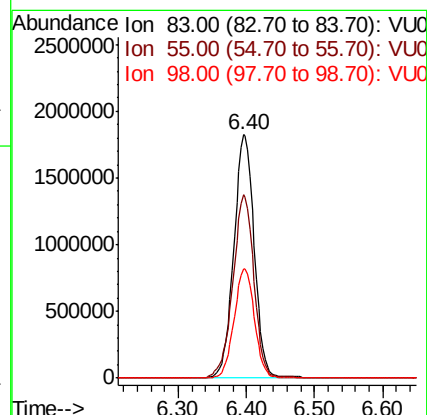
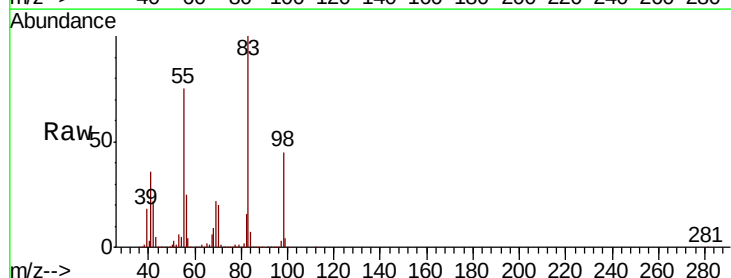
Tgt Ion: 83 Resp: 3798429

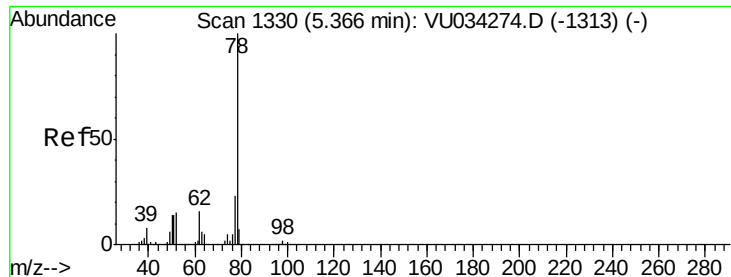
Ion Ratio Lower Upper

83 100

55 75.1 62.1 93.1

98 44.9 37.0 55.6





#40

Benzene

Concen: 0.245 ug/l

RT: 5.38 min Scan# 1334

Delta R.T. 0.01 min

Lab File: VU034362.D

Acq: 07 Sep 2019 04:09

Instrument :

MSVOA_U

ClientSampleId :

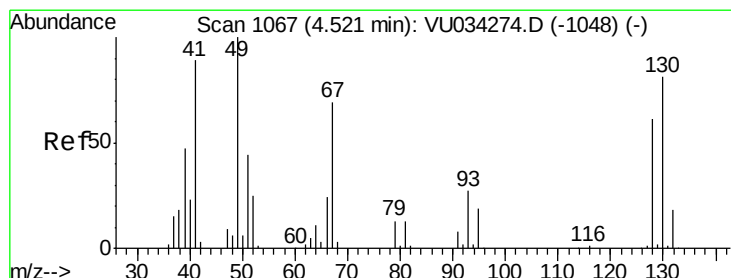
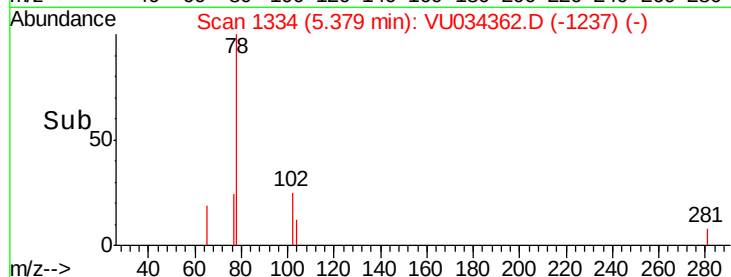
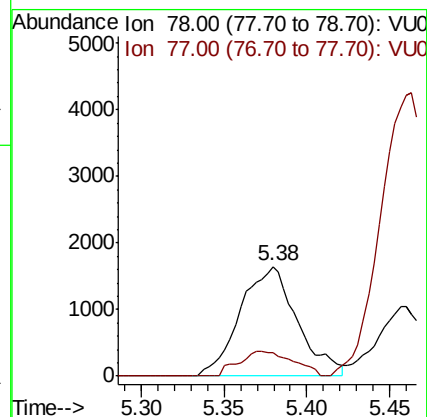
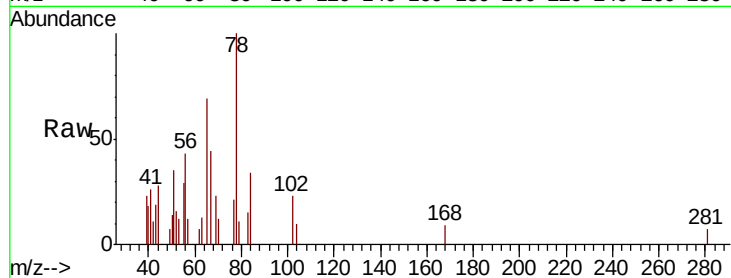
S13-0267

Tgt Ion: 78 Resp: 3936

Ion Ratio Lower Upper

78 100

77 21.0 18.7 28.1



#41

Methacrylonitrile

Concen: 3.937 ug/l

RT: 4.71 min Scan# 1126

Delta R.T. 0.19 min

Lab File: VU034362.D

Acq: 07 Sep 2019 04:09

Tgt Ion: 41 Resp: 12344

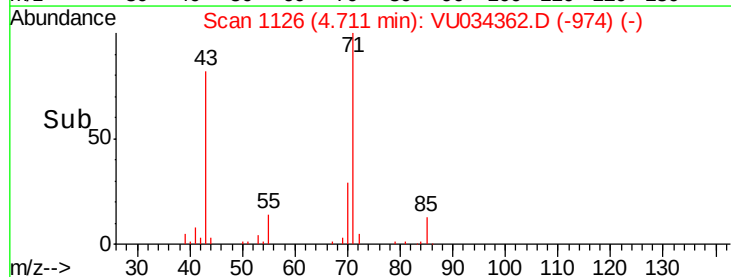
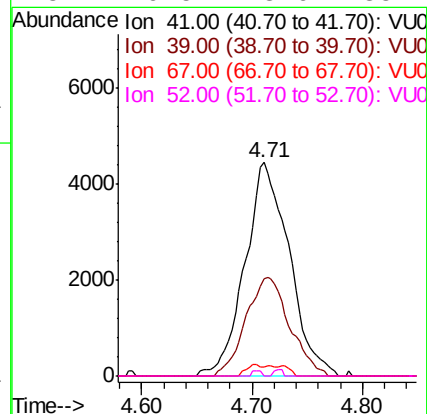
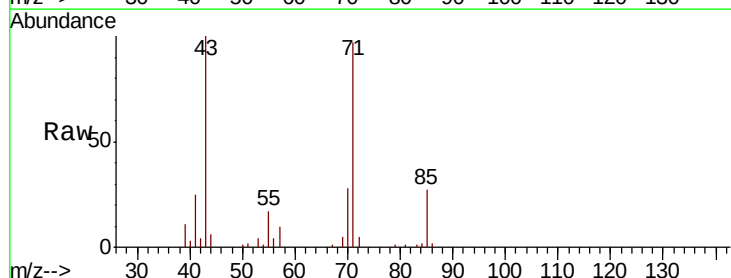
Ion Ratio Lower Upper

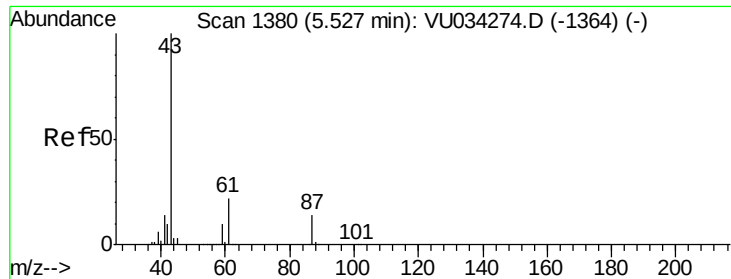
41 100

39 45.7 41.0 61.4

67 2.0 62.4 93.6#

52 0.5 23.6 35.4#

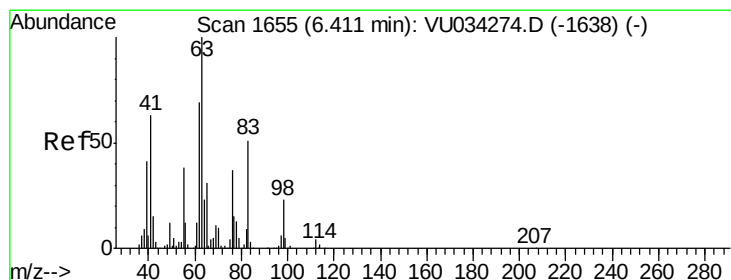
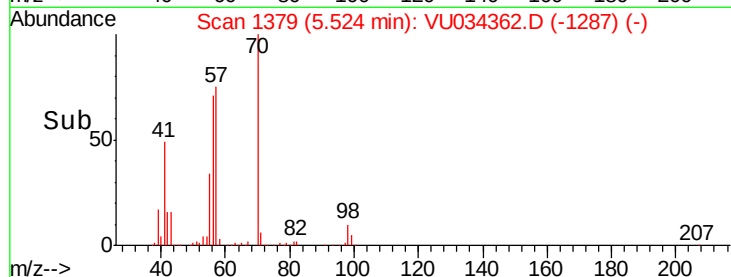
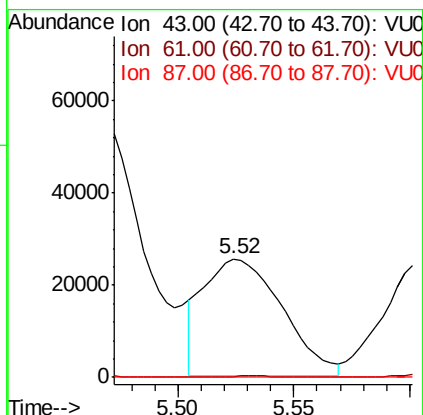
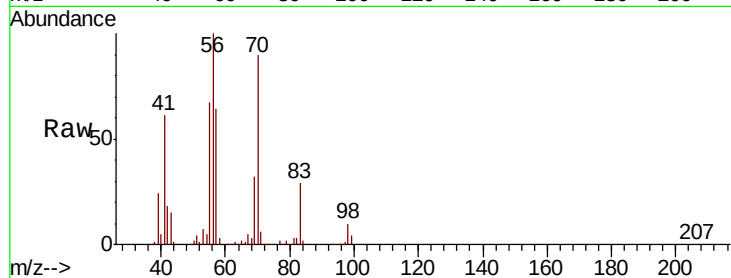




#43
Isopropyl Acetate
Concen: 6.537 ug/l
RT: 5.52 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VU034362.D
Acq: 07 Sep 2019 04:09

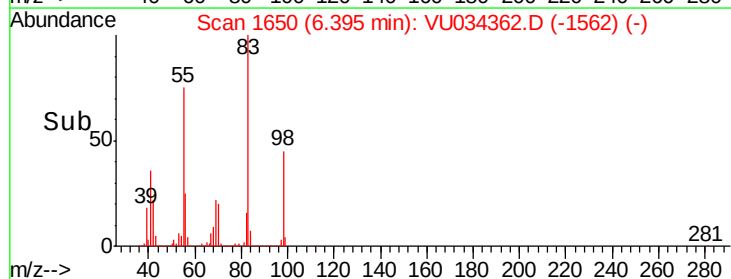
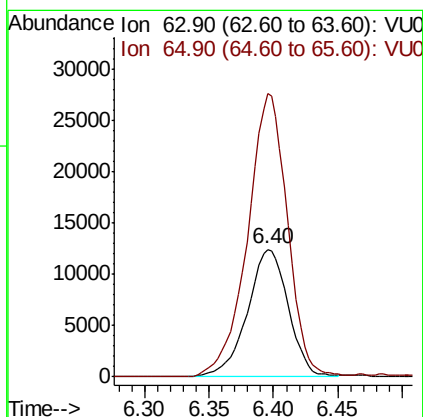
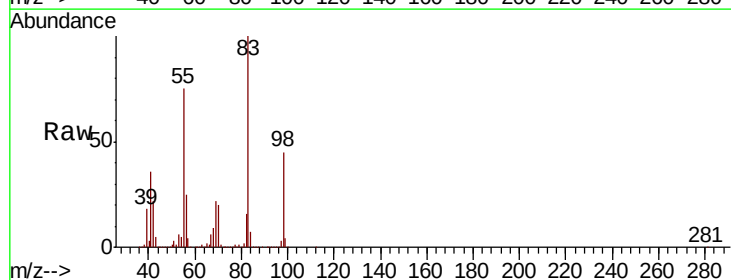
Instrument :
MSVOA_U
ClientSampleId :
S13-0267

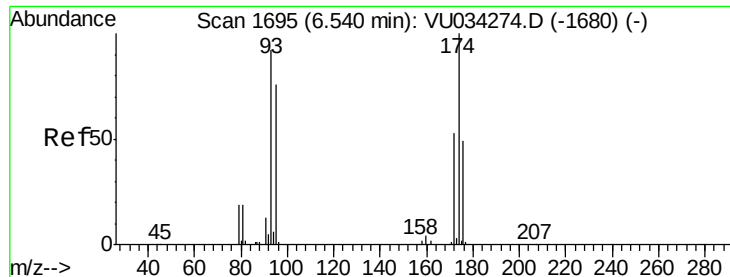
Tgt Ion: 43 Resp: 60033
Ion Ratio Lower Upper
43 100
61 1.0 17.1 25.7#
87 0.0 11.1 16.7#



#45
1,2-Dichloropropane
Concen: 5.867 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.02 min
Lab File: VU034362.D
Acq: 07 Sep 2019 04:09

Tgt Ion: 63 Resp: 27554
Ion Ratio Lower Upper
63 100
65 221.9 24.6 37.0#





#46

Dibromomethane

Concen: 0.779 ug/l

RT: 6.40 min Scan# 1651

Delta R.T. -0.14 min

Lab File: VU034362.D

Acq: 07 Sep 2019 04:09

Instrument :

MSVOA_U

ClientSampleId :

S13-0267

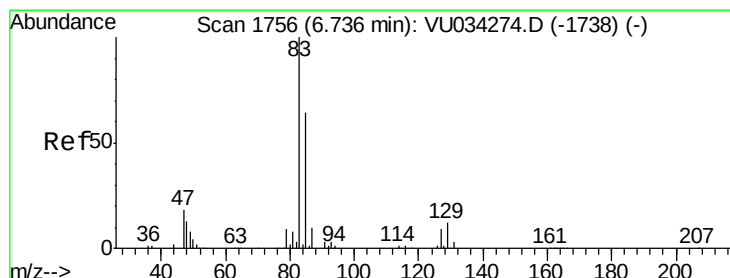
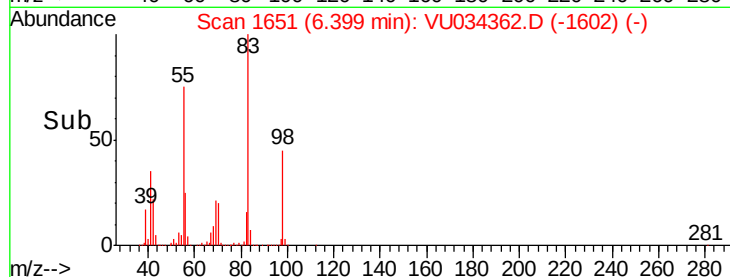
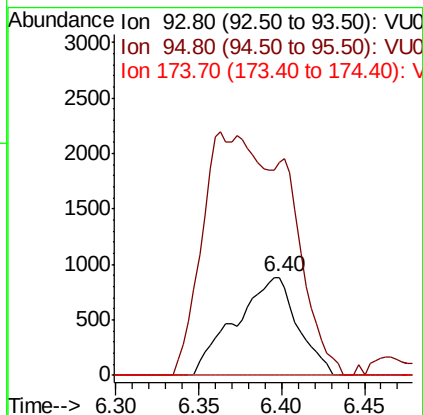
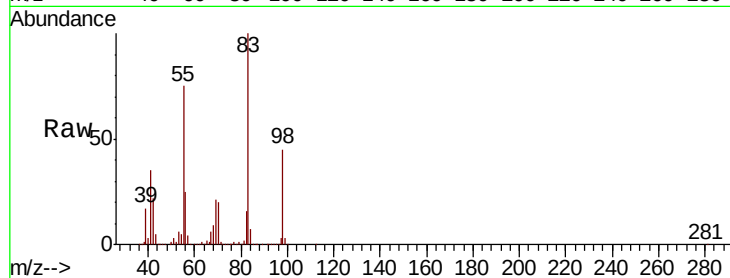
Tgt Ion: 93 Resp: 2297

Ion Ratio Lower Upper

93 100

95 0.0 66.5 99.7#

174 0.0 87.8 131.6#



#47

Bromodichloromethane

Concen: 1.818 ug/l

RT: 6.72 min Scan# 1750

Delta R.T. -0.02 min

Lab File: VU034362.D

Acq: 07 Sep 2019 04:09

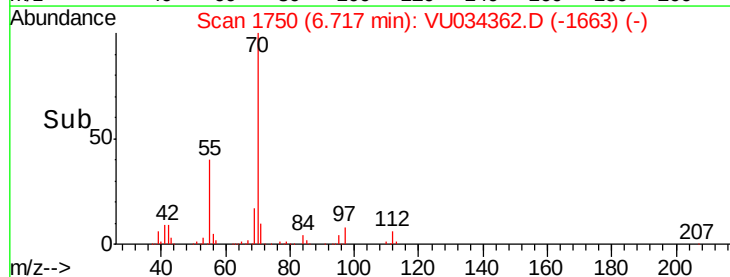
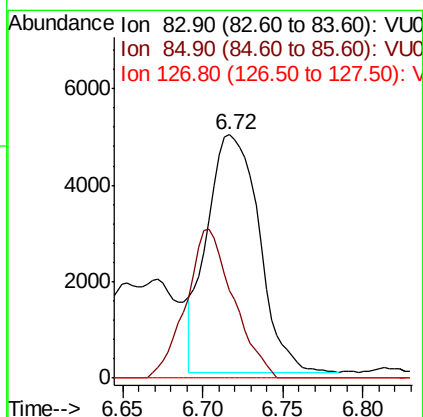
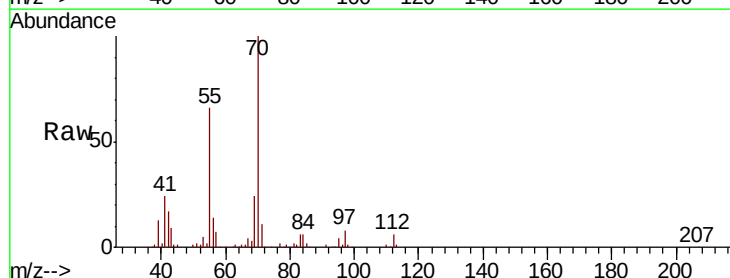
Tgt Ion: 83 Resp: 11034

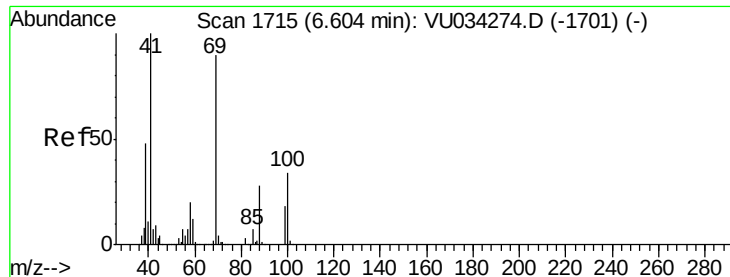
Ion Ratio Lower Upper

83 100

85 36.6 51.1 76.7#

127 0.0 7.2 10.8#

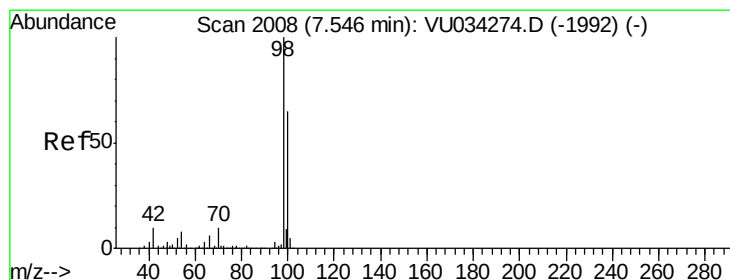
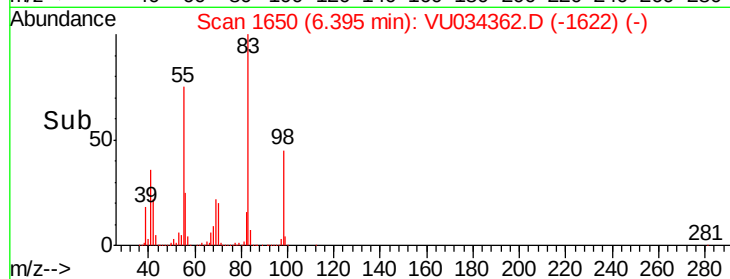
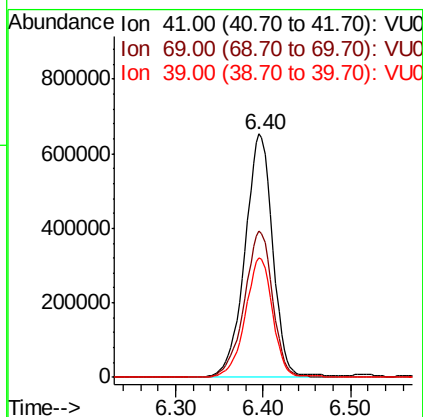
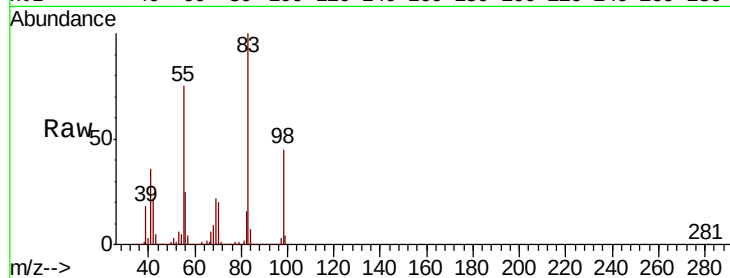




#48
Methyl methacrylate
Concen: 330.367 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.21 min
Lab File: VU034362.D
Acq: 07 Sep 2019 04:09

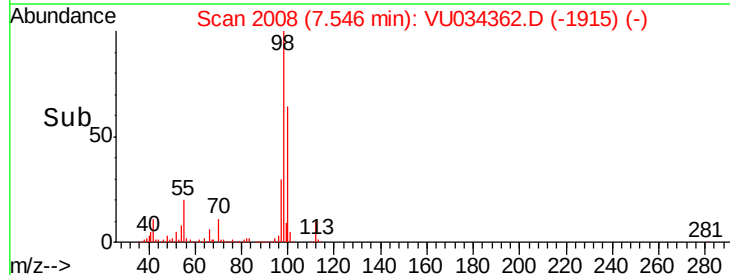
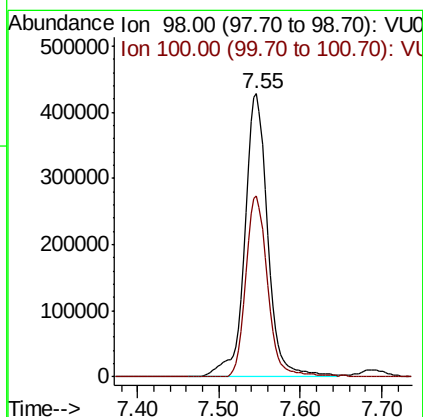
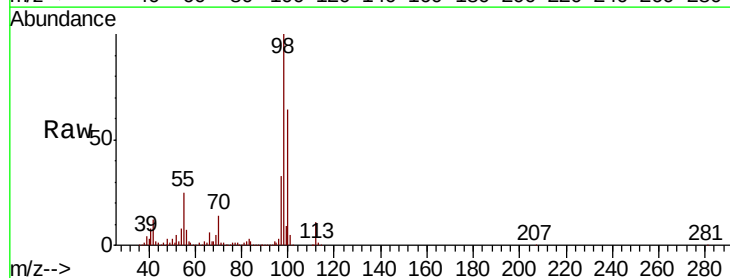
Instrument :
MSVOA_U
ClientSampleId :
S13-0267

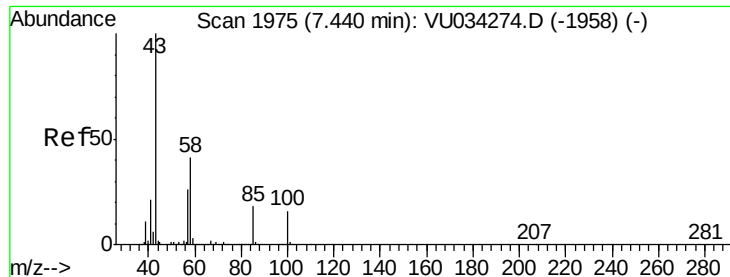
Tgt Ion: 41 Resp: 1440914
Ion Ratio Lower Upper
41 100
69 61.3 72.8 109.2#
39 48.2 38.6 58.0



#50
Toluene-d8
Concen: 51.441 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034362.D
Acq: 07 Sep 2019 04:09

Tgt Ion: 98 Resp: 825594
Ion Ratio Lower Upper
98 100
100 60.6 51.7 77.5

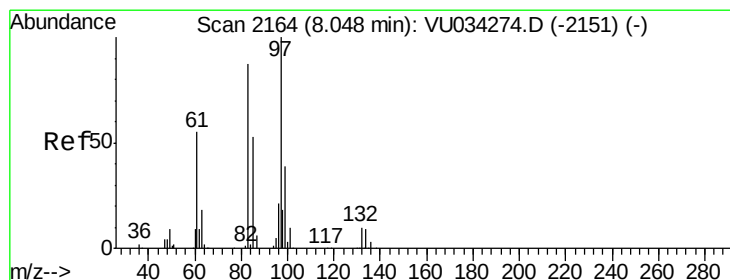
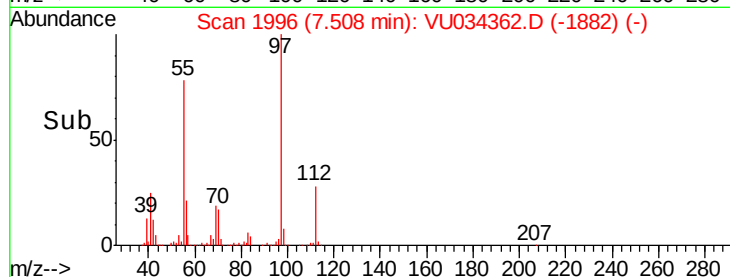
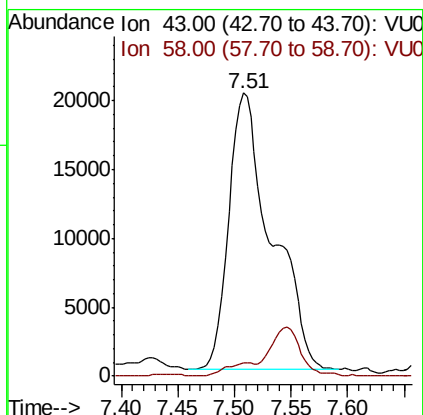
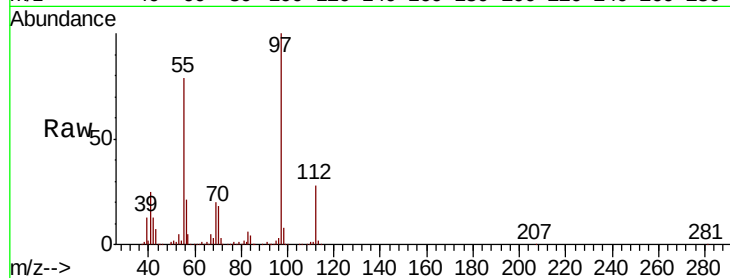




#51
 4-Methyl-2-Pentanone
 Concen: 8.318 ug/l
 RT: 7.51 min Scan# 1996
 Delta R.T. 0.07 min
 Lab File: VU034362.D
 Acq: 07 Sep 2019 04:09

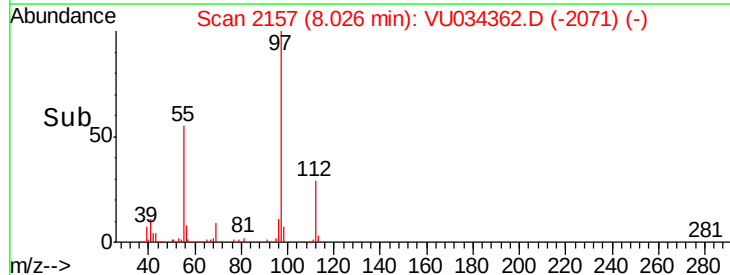
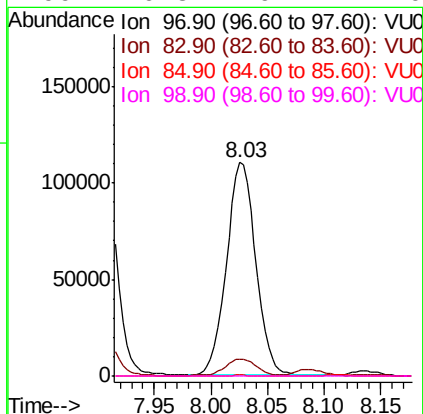
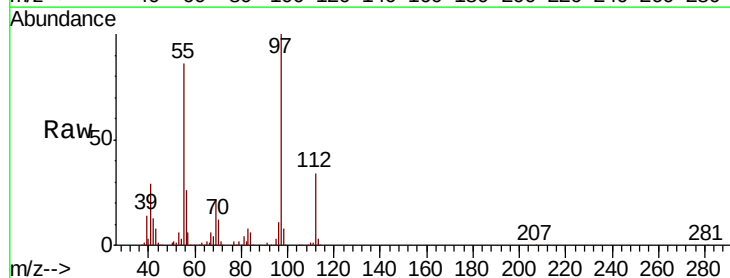
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0267

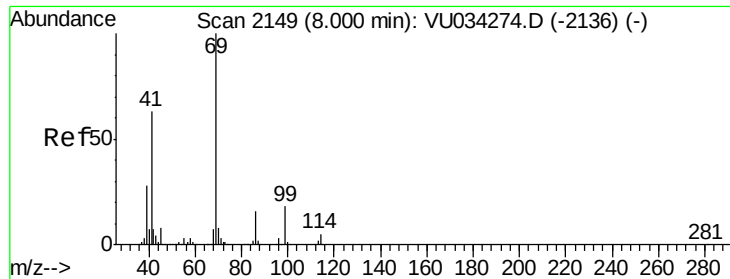
Tgt Ion: 43 Resp: 52875
 Ion Ratio Lower Upper
 43 100
 58 3.5 33.0 49.4#



#55
 1,1,2-Trichloroethane
 Concen: 43.102 ug/l
 RT: 8.03 min Scan# 2157
 Delta R.T. -0.02 min
 Lab File: VU034362.D
 Acq: 07 Sep 2019 04:09

Tgt Ion: 97 Resp: 197242
 Ion Ratio Lower Upper
 97 100
 83 7.7 69.0 103.6#
 85 0.4 44.2 66.2#
 99 0.3 49.4 74.0#





#56

Ethyl methacrylate

Concen: 8.875 ug/l

RT: 8.03 min Scan# 2157

Delta R.T. 0.03 min

Lab File: VU034362.D

Acq: 07 Sep 2019 04:09

Instrument :

MSVOA_U

ClientSampleId :

S13-0267

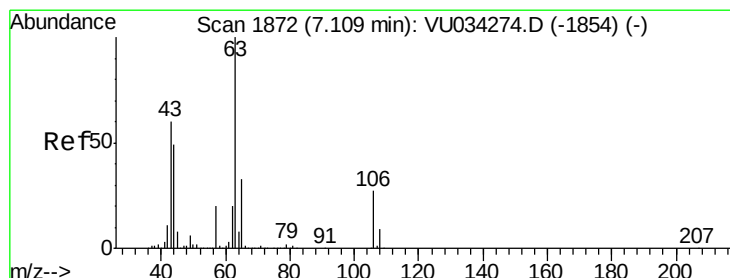
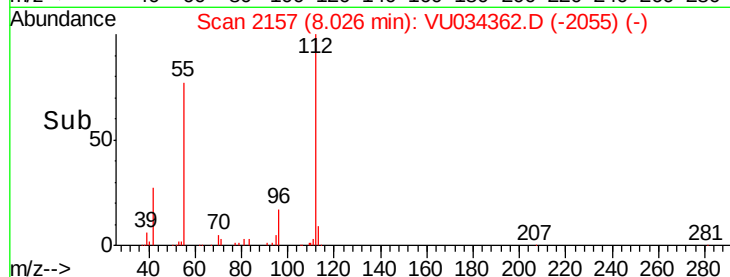
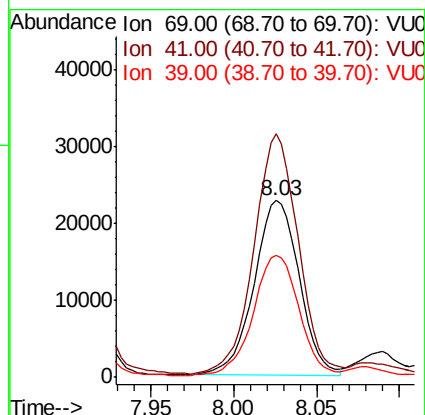
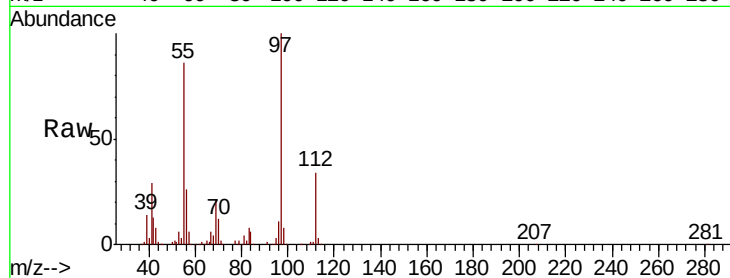
Tgt Ion: 69 Resp: 42958

Ion Ratio Lower Upper

69 100

41 133.8 49.5 74.3#

39 68.9 22.5 33.7#



#58

2-Chloroethyl Vinyl ether

Concen: 16.817 ug/l

RT: 7.03 min Scan# 1848

Delta R.T. -0.08 min

Lab File: VU034362.D

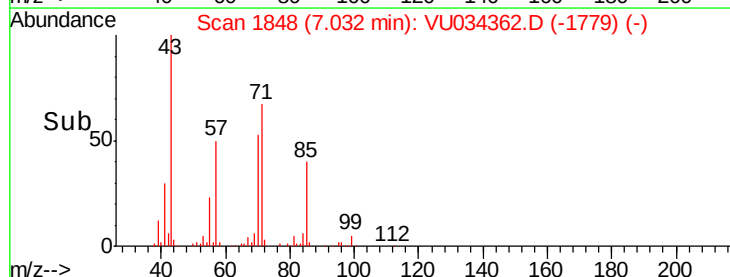
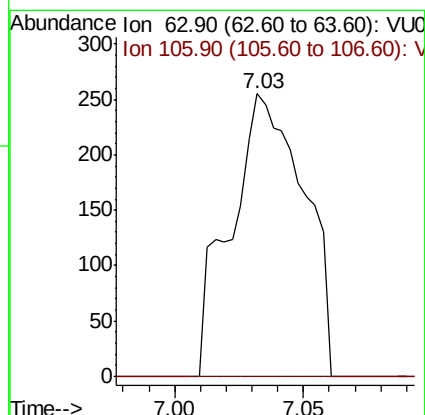
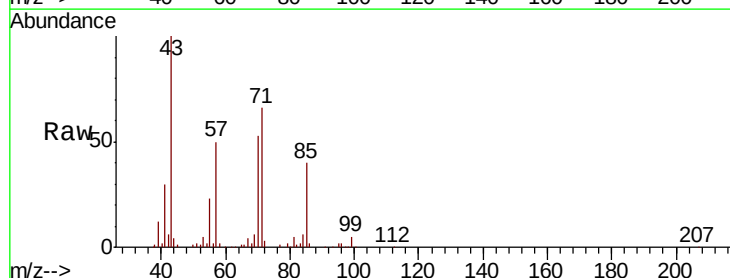
Acq: 07 Sep 2019 04:09

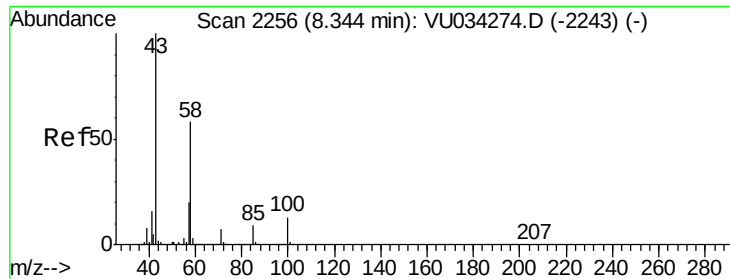
Tgt Ion: 63 Resp: 507

Ion Ratio Lower Upper

63 100

106 0.0 21.6 32.4#





#59

2-Hexanone

Concen: 1.892 ug/l

RT: 8.31 min Scan# 2246

Delta R.T. -0.03 min

Lab File: VU034362.D

Acq: 07 Sep 2019 04:09

Instrument :

MSVOA_U

ClientSampled :

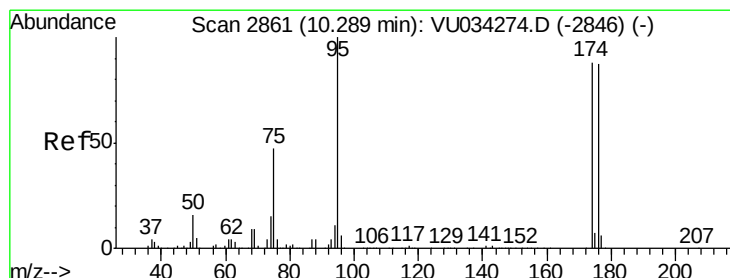
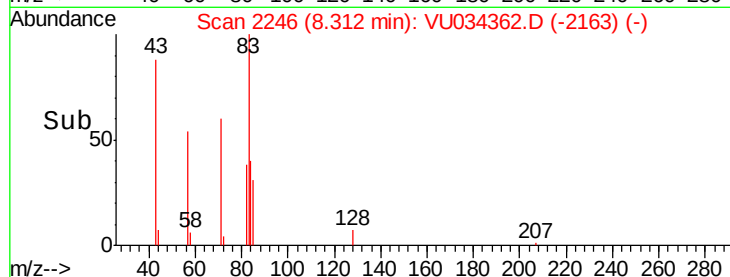
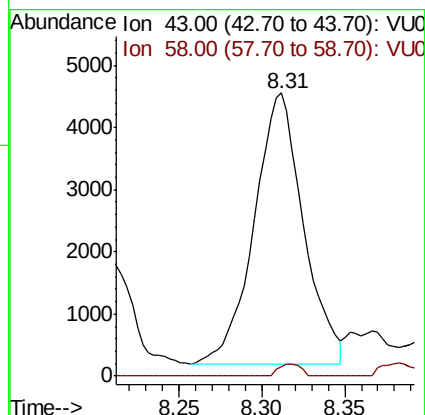
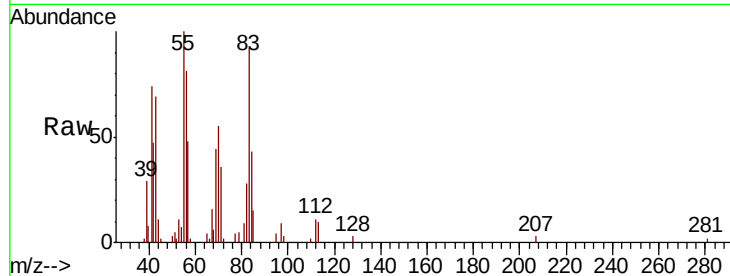
S13-0267

Tgt Ion: 43 Resp: 8985

Ion Ratio Lower Upper

43 100

58 2.0 28.8 86.5#



#62

4-Bromofluorobenzene

Concen: 45.690 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034362.D

Acq: 07 Sep 2019 04:09

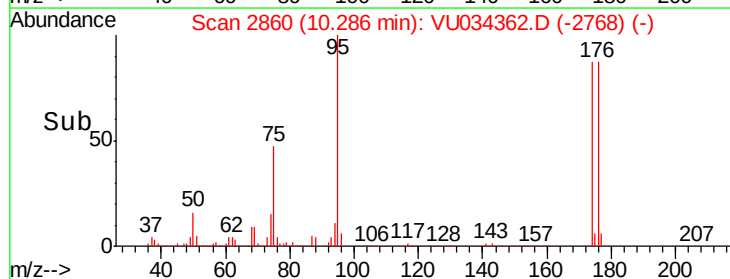
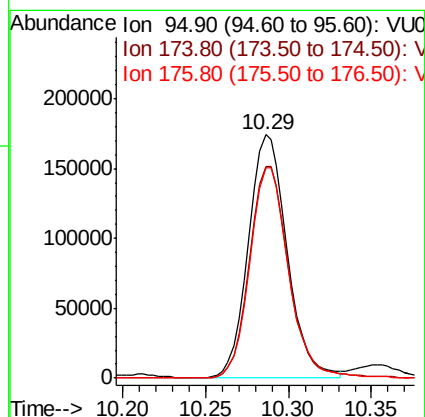
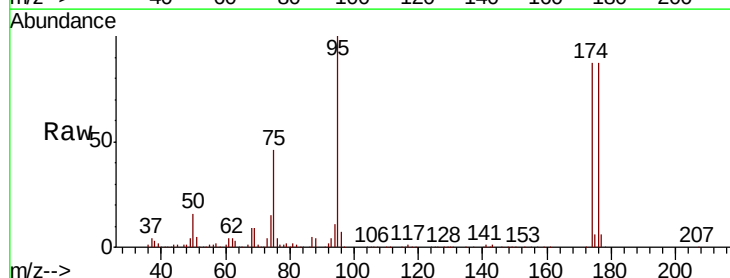
Tgt Ion: 95 Resp: 283119

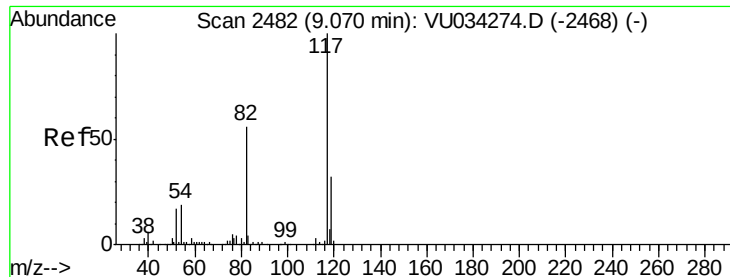
Ion Ratio Lower Upper

95 100

174 88.7 0.0 175.2

176 87.1 0.0 168.0

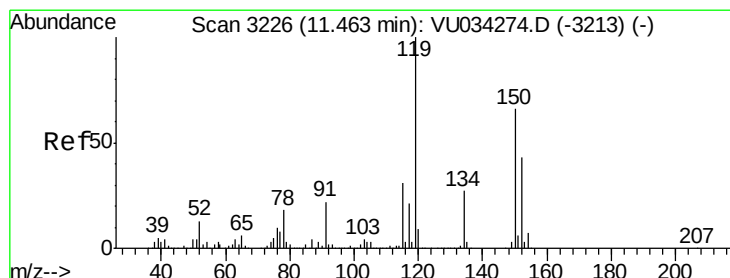
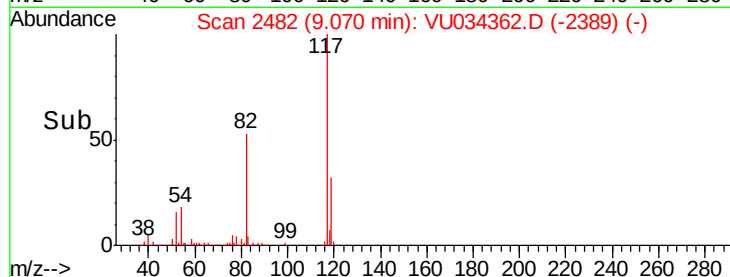
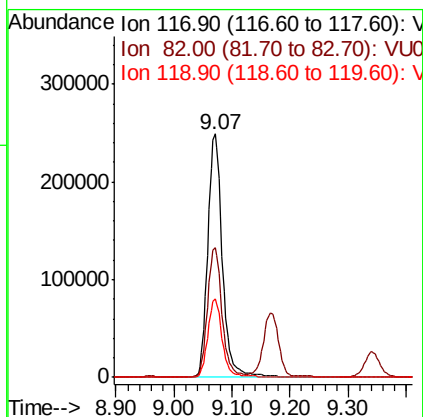
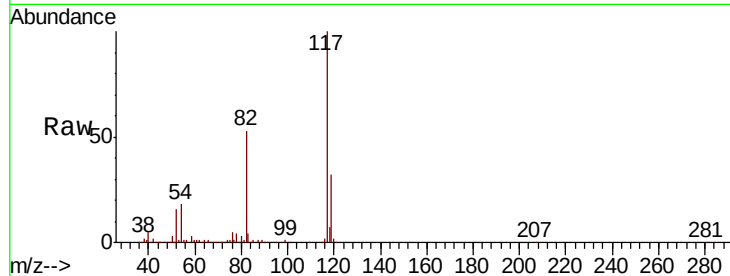




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034362.D
Acq: 07 Sep 2019 04:09

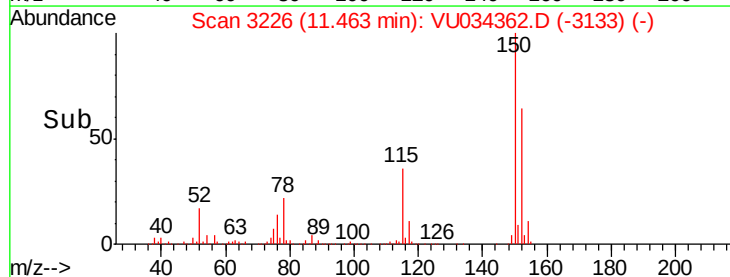
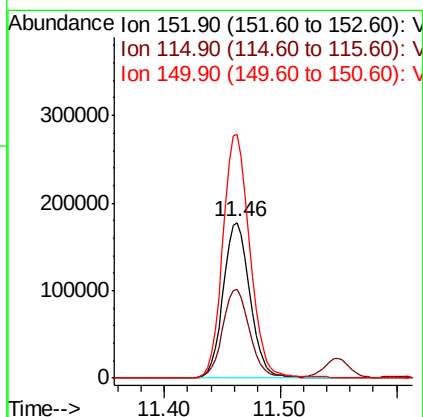
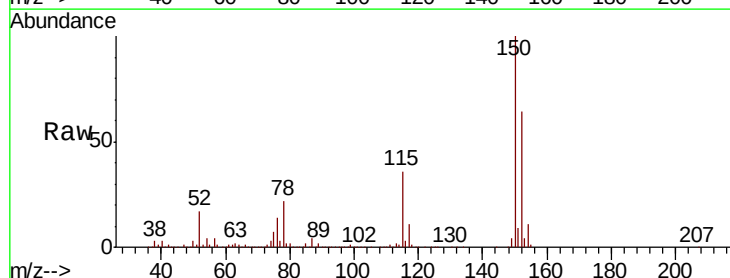
Instrument :
MSVOA_U
ClientSampleId :
S13-0267

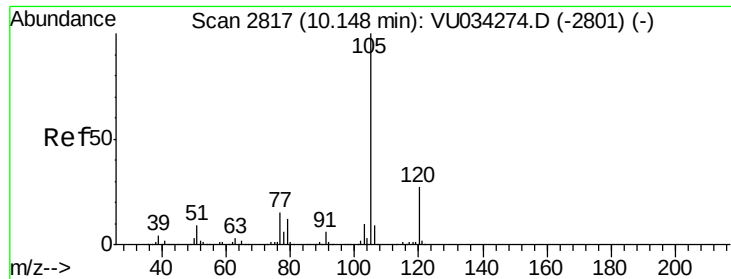
Tgt Ion:117 Resp: 435752
Ion Ratio Lower Upper
117 100
82 53.1 44.6 67.0
119 32.3 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VU034362.D
Acq: 07 Sep 2019 04:09

Tgt Ion:152 Resp: 283603
Ion Ratio Lower Upper
152 100
115 56.8 39.1 117.3
150 158.2 0.0 345.4





#73

Isopropylbenzene

Concen: 25.177 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034362.D

Acq: 07 Sep 2019 04:09

Instrument :

MSVOA_U

ClientSampleId :

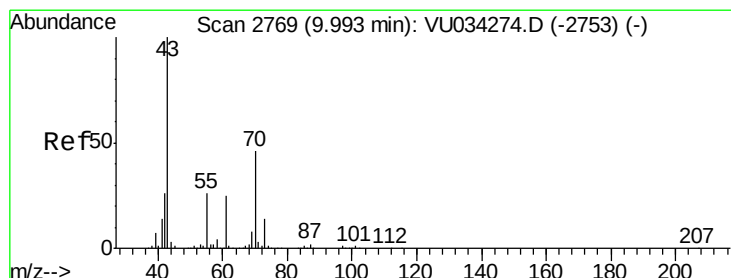
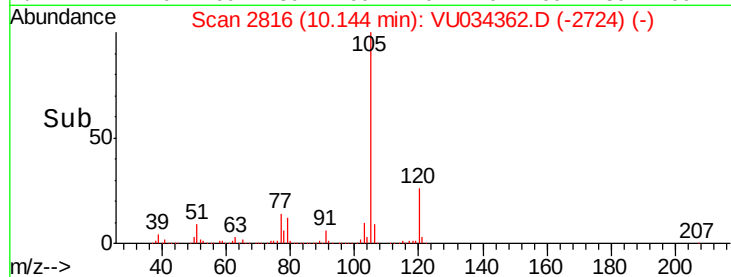
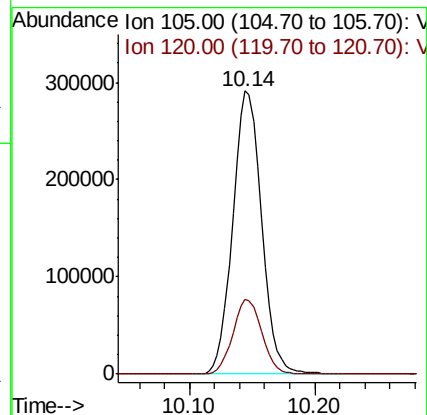
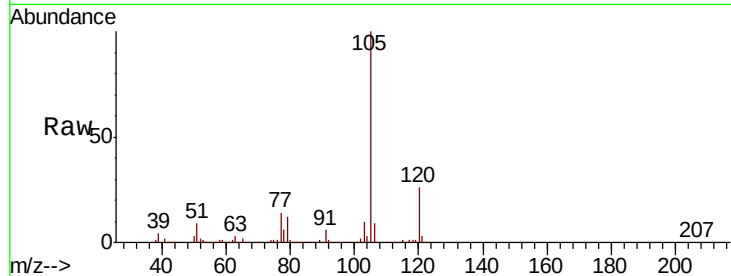
S13-0267

Tgt Ion:105 Resp: 464680

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.2



#74

N-ethyl acetate

Concen: 0.460 ug/l

RT: 10.02 min Scan# 2777

Delta R.T. 0.03 min

Lab File: VU034362.D

Acq: 07 Sep 2019 04:09

Tgt Ion: 43 Resp: 3415

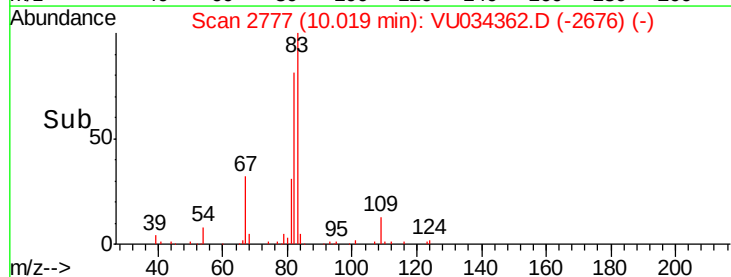
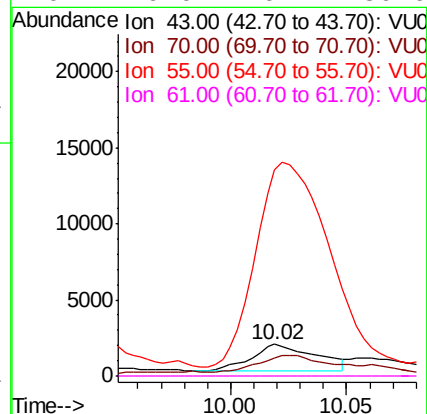
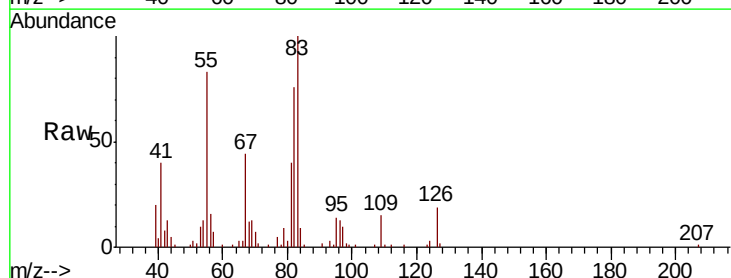
Ion Ratio Lower Upper

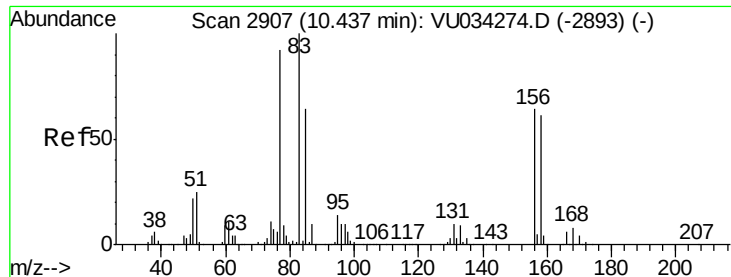
43 100

70 65.0 36.4 54.6#

55 871.0 21.2 31.8#

61 0.0 20.4 30.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.874 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. 0.04 min

Lab File: VU034362.D

Acq: 07 Sep 2019 04:09

Instrument :

MSVOA_U

ClientSampleId :

S13-0267

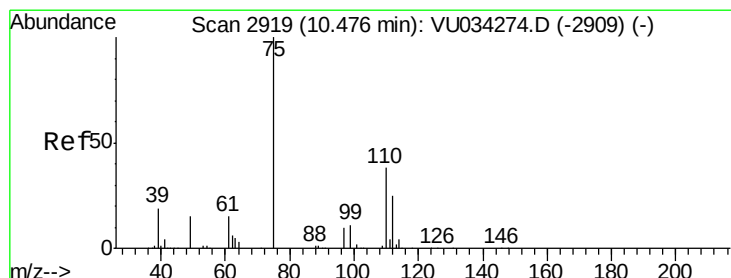
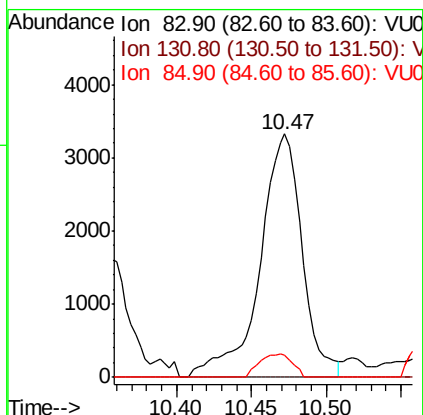
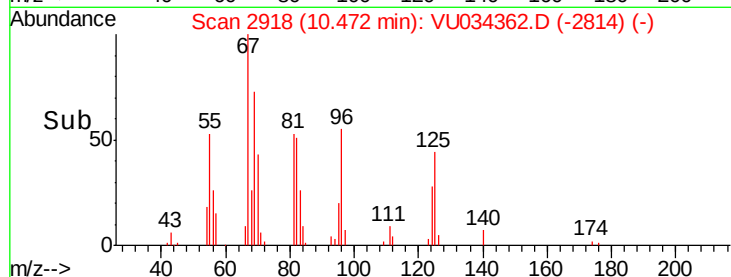
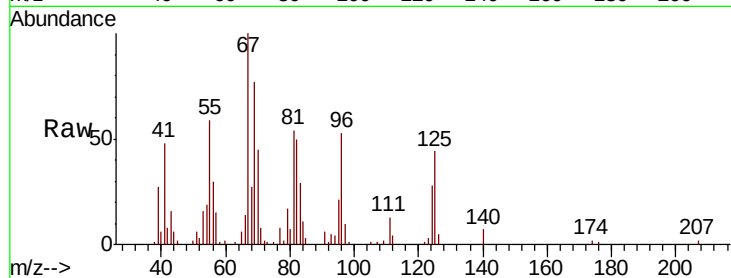
Tgt Ion: 83 Resp: 6527

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.2#

85 7.4 32.0 96.2#



#76

1,2,3-Trichloropropane

Concen: 21.421 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.19 min

Lab File: VU034362.D

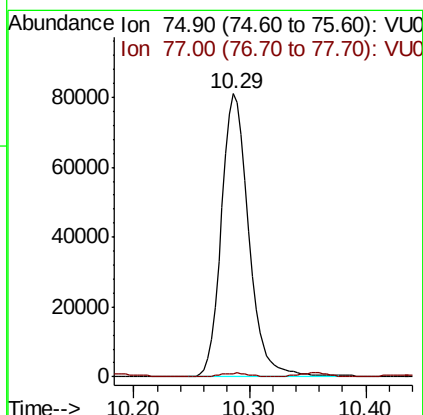
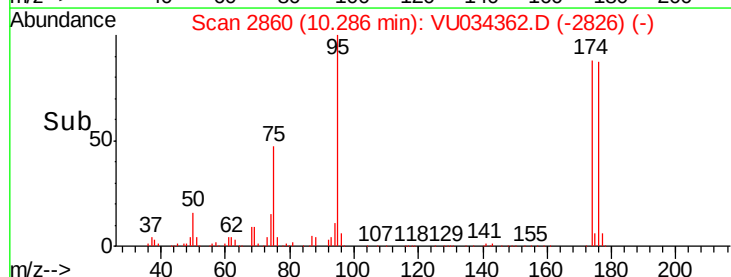
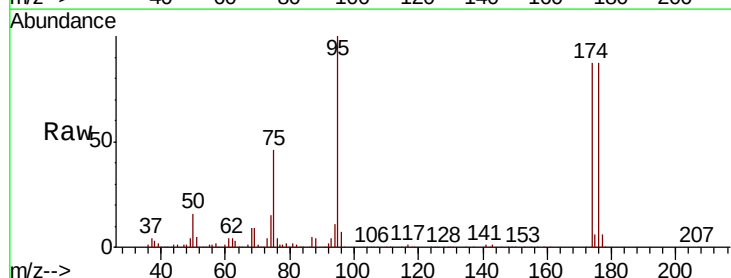
Acq: 07 Sep 2019 04:09

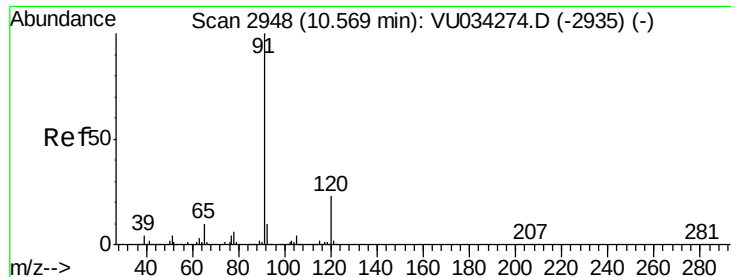
Tgt Ion: 75 Resp: 132608

Ion Ratio Lower Upper

75 100

77 1.2 20.8 62.2#

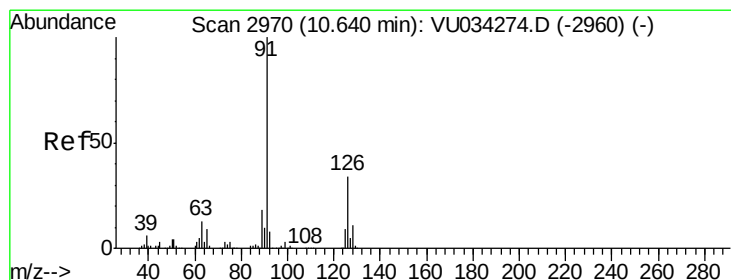
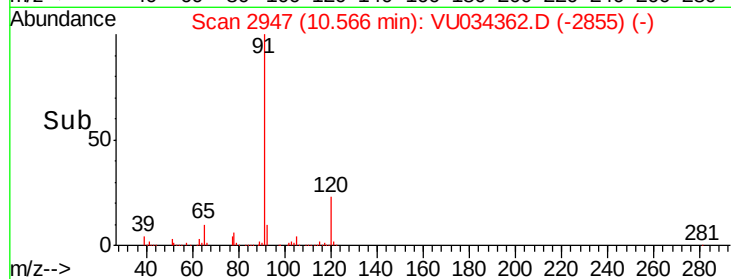
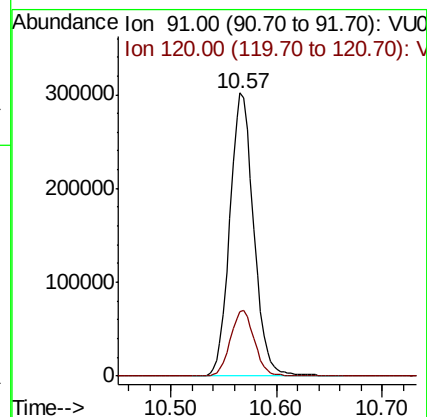
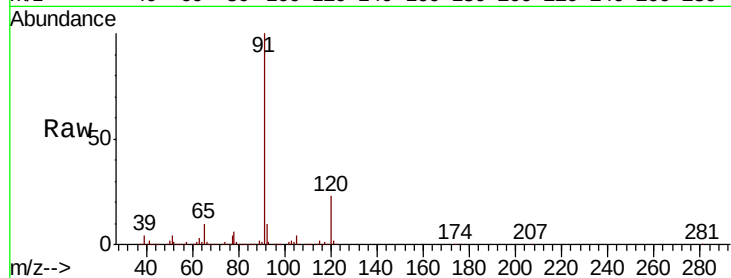




#78
n-propylbenzene
Concen: 22.159 ug/l
RT: 10.57 min Scan# 2947
Delta R.T. -0.00 min
Lab File: VU034362.D
Acq: 07 Sep 2019 04:09

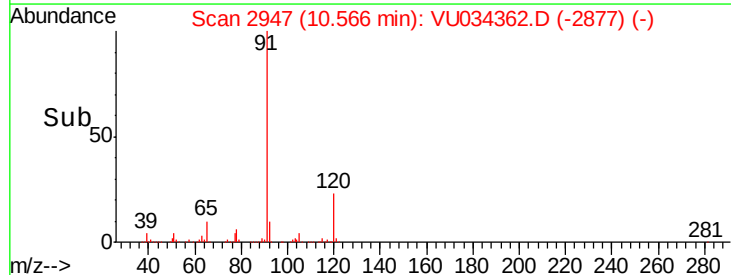
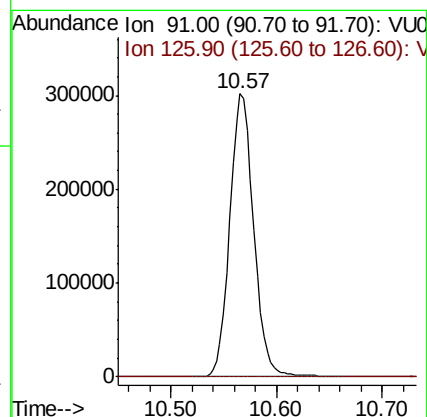
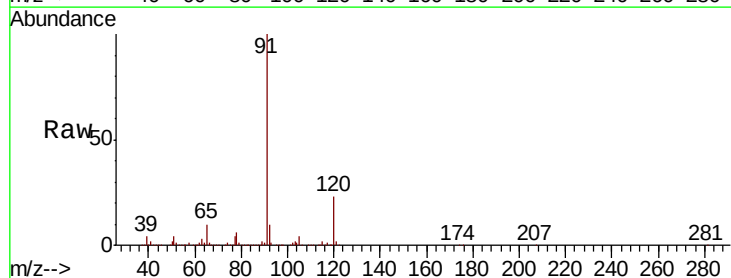
Instrument :
MSVOA_U
ClientSampleId :
S13-0267

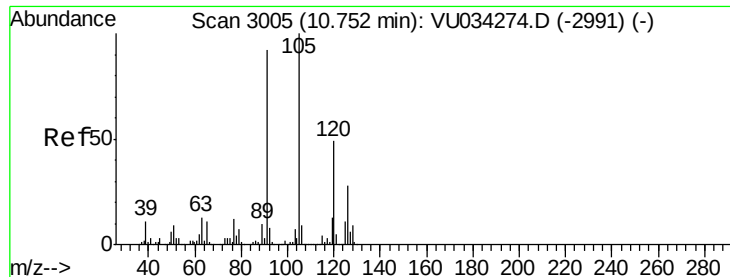
Tgt Ion: 91 Resp: 472318
Ion Ratio Lower Upper
91 100
120 23.5 11.7 35.0



#79
2-Chlorotoluene
Concen: 36.316 ug/l
RT: 10.57 min Scan# 2947
Delta R.T. -0.07 min
Lab File: VU034362.D
Acq: 07 Sep 2019 04:09

Tgt Ion: 91 Resp: 472318
Ion Ratio Lower Upper
91 100
126 0.0 17.3 51.9#

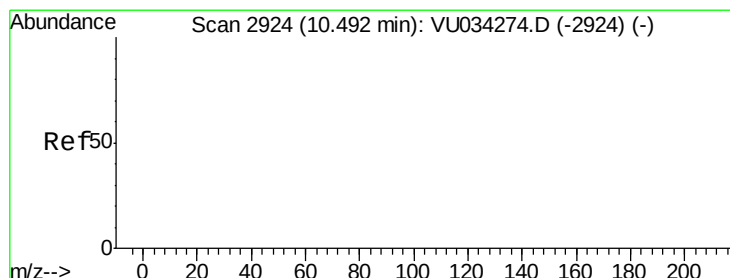
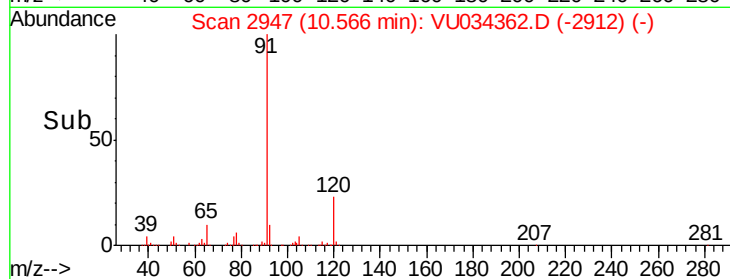
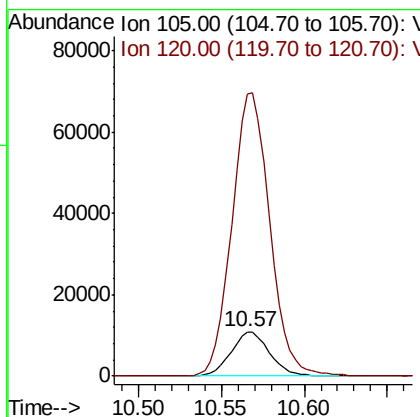
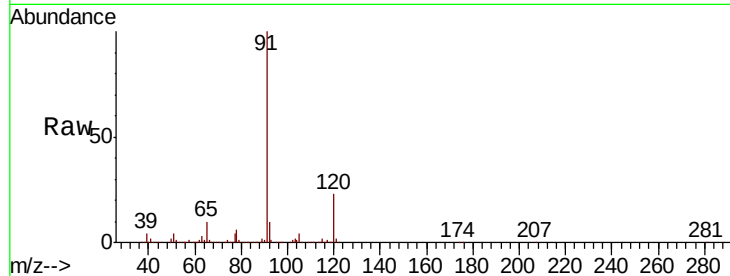




#80
 1,3,5-Trimethylbenzene
 Concen: 1.134 ug/l
 RT: 10.57 min Scan# 2947
 Delta R.T. -0.19 min
 Lab File: VU034362.D
 Acq: 07 Sep 2019 04:09

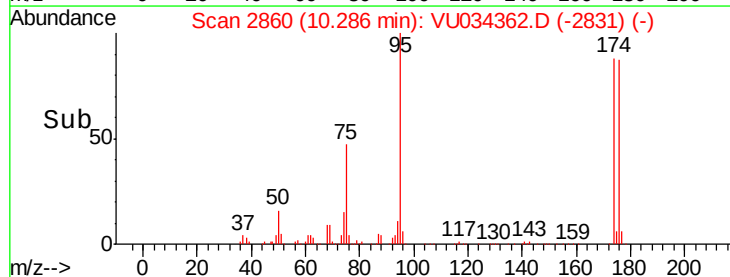
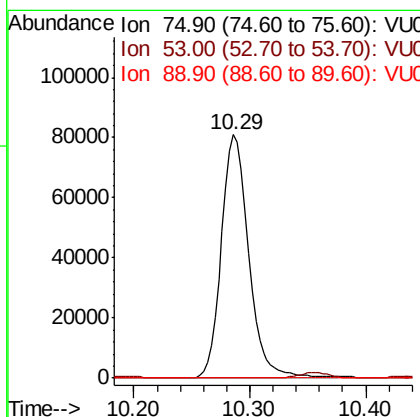
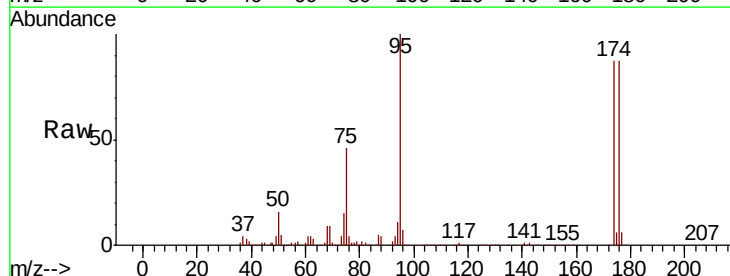
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0267

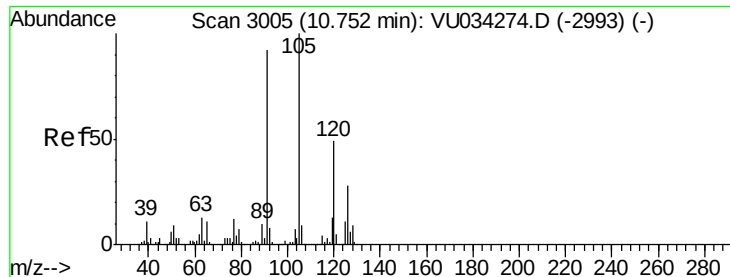
Tgt Ion: 105 Resp: 17502
 Ion Ratio Lower Upper
 105 100
 120 633.3 24.9 74.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.038 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.21 min
 Lab File: VU034362.D
 Acq: 07 Sep 2019 04:09

Tgt Ion: 75 Resp: 132608
 Ion Ratio Lower Upper
 75 100
 53 0.4 0.0 0.0#
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 31.558 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.19 min

Lab File: VU034362.D

Acq: 07 Sep 2019 04:09

Instrument :

MSVOA_U

ClientSampleId :

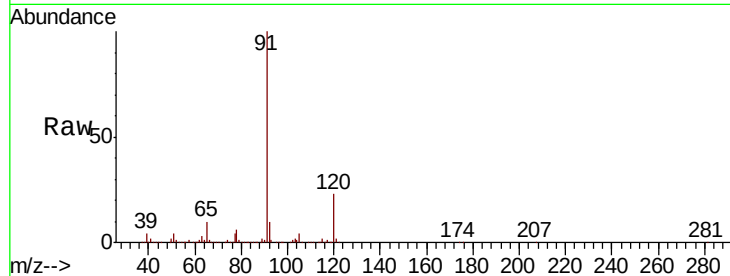
S13-0267

Tgt Ion: 91 Resp: 472318

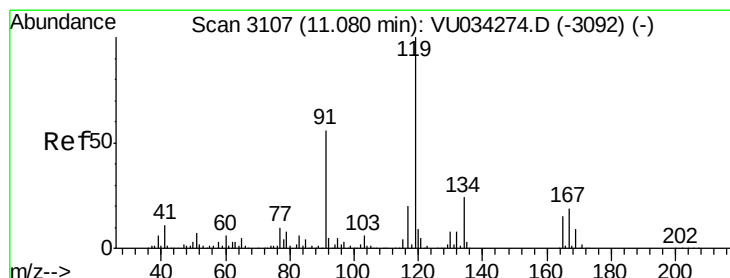
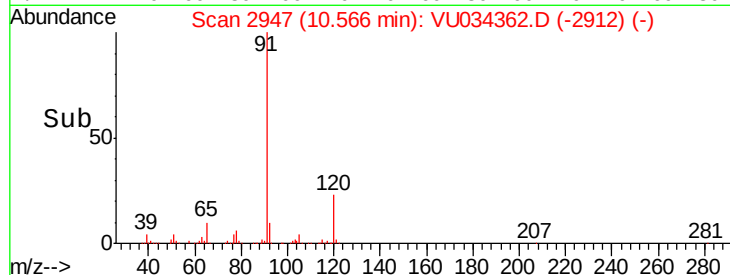
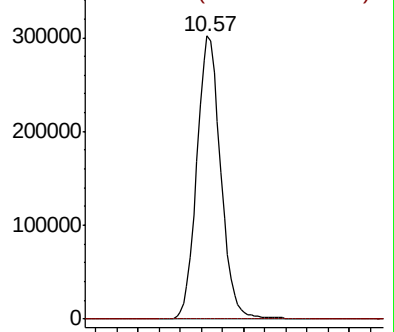
Ion Ratio Lower Upper

91 100

126 0.0 15.3 45.8#



Abundance Ion 91.00 (90.70 to 91.70): VU034362.D (-2912) (-)



#83

tert-Butylbenzene

Concen: 2.922 ug/l

RT: 11.08 min Scan# 3106

Delta R.T. -0.00 min

Lab File: VU034362.D

Acq: 07 Sep 2019 04:09

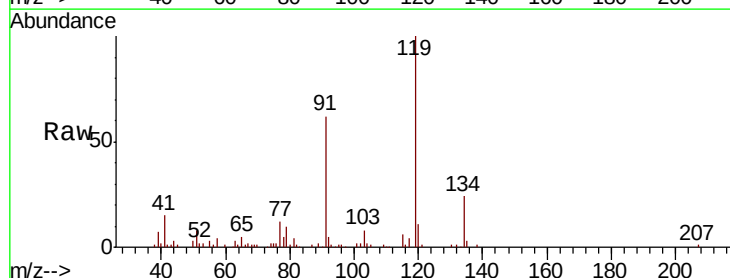
Tgt Ion: 119 Resp: 45125

Ion Ratio Lower Upper

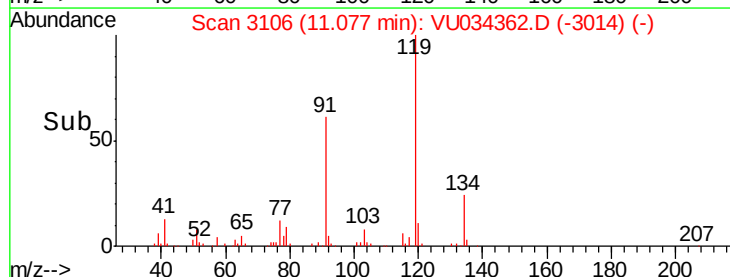
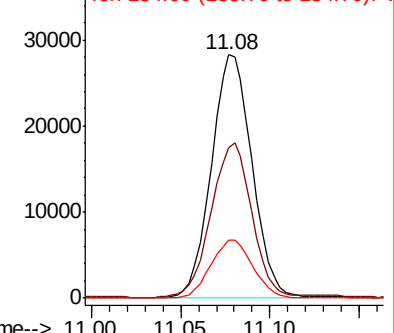
119 100

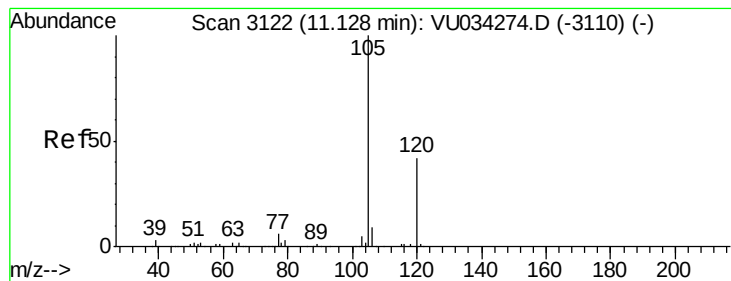
91 64.3 27.8 83.4

134 24.3 11.7 35.0



Abundance Ion 119.00 (118.70 to 119.70): VU034362.D (-3014) (-)





#84

1,2,4-Trimethylbenzene

Concen: 15.399 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.17 min

Lab File: VU034362.D

Acq: 07 Sep 2019 04:09

Instrument :

MSVOA_U

ClientSampleId :

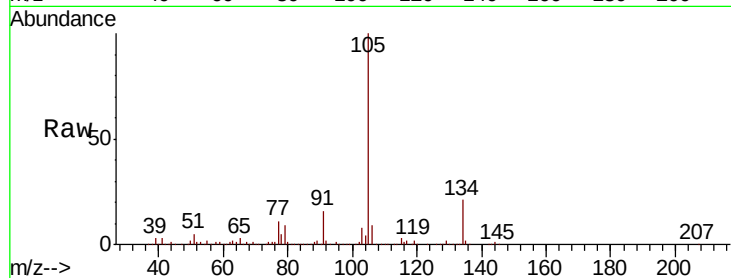
S13-0267

Tgt Ion:105 Resp: 239259

Ion Ratio Lower Upper

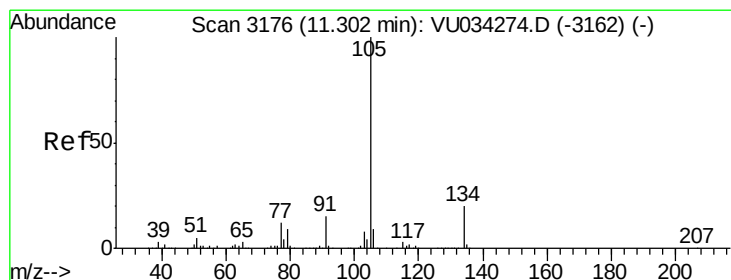
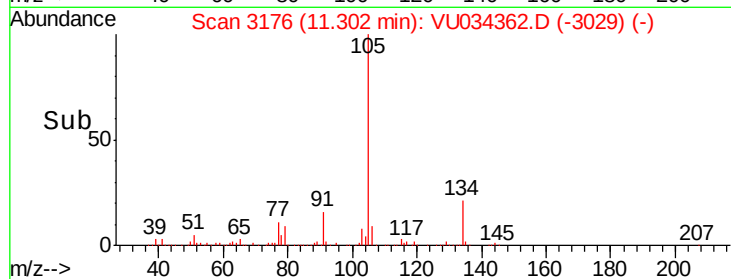
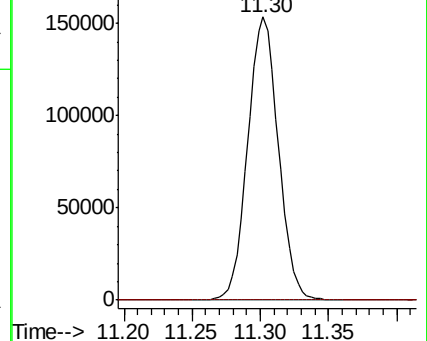
105 100

120 0.1 22.9 68.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 13.125 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034362.D

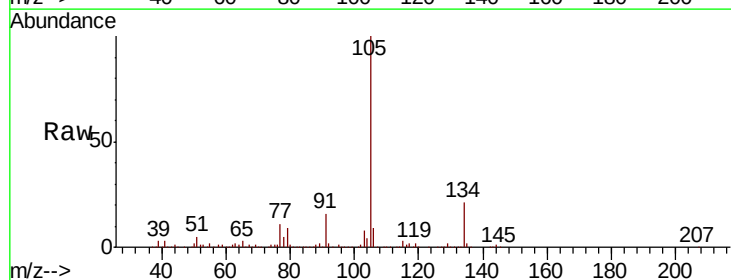
Acq: 07 Sep 2019 04:09

Tgt Ion:105 Resp: 239259

Ion Ratio Lower Upper

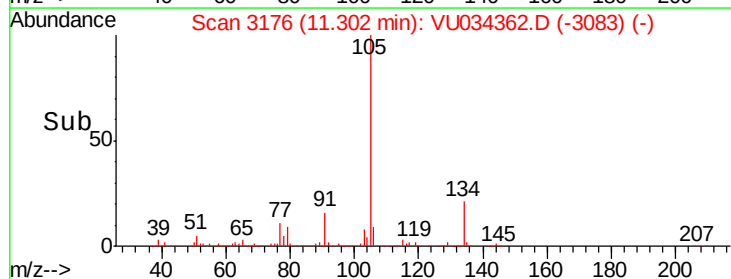
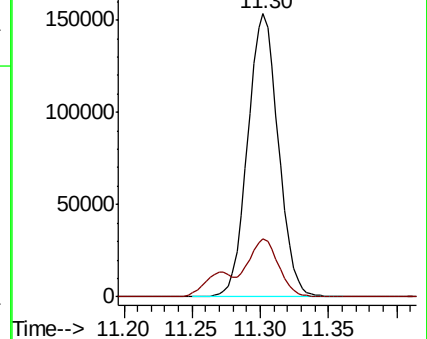
105 100

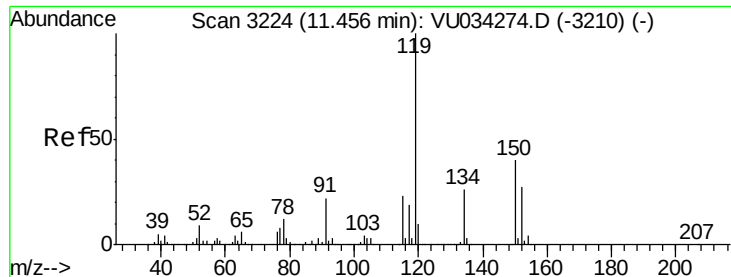
134 20.3 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

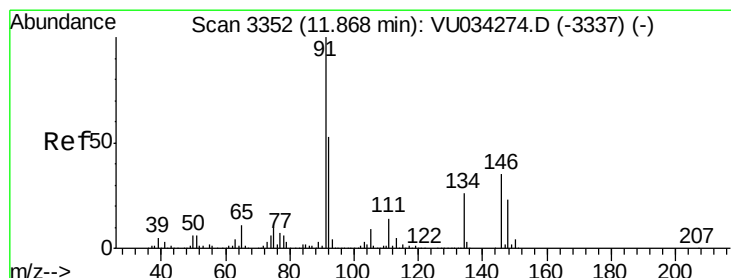
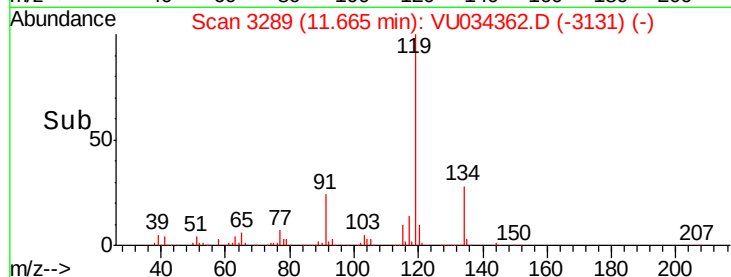
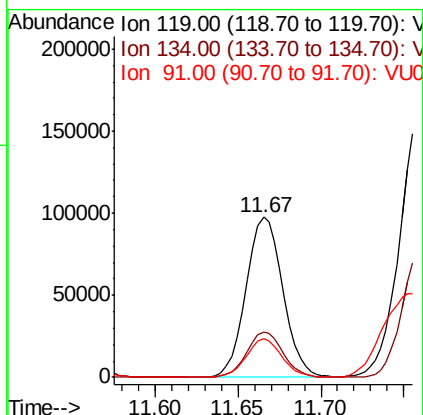
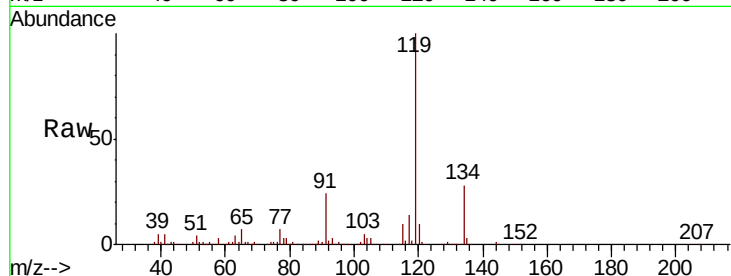




#86
p-Isopropyltoluene
Concen: 8.941 ug/l
RT: 11.67 min Scan# 3289
Delta R.T. 0.21 min
Lab File: VU034362.D
Acq: 07 Sep 2019 04:09

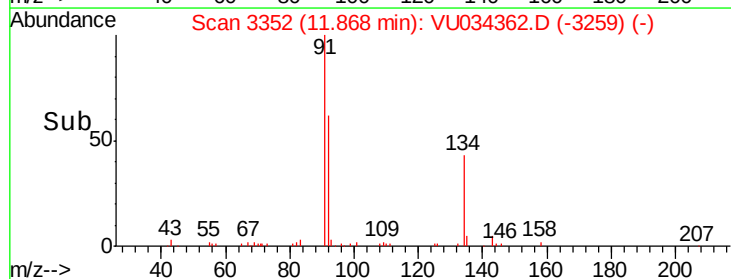
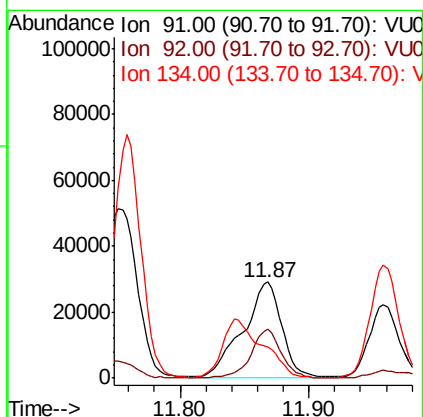
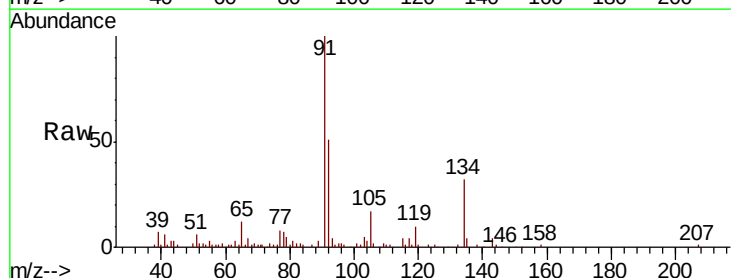
Instrument :
MSVOA_U
ClientSampleId :
S13-0267

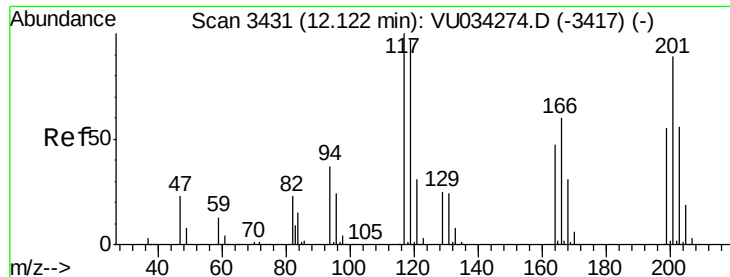
Tgt Ion	Ratio	Lower	Upper
119	100		
134	28.1	13.3	39.8
91	23.1	11.2	33.6



#89
n-Butylbenzene
Concen: 4.175 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. 0.00 min
Lab File: VU034362.D
Acq: 07 Sep 2019 04:09

Tgt Ion	Ratio	Lower	Upper
91	100		
92	40.2	26.5	79.4
134	0.0	13.2	39.6





#90

Hexachloroethane

Concen: 16.568 ug/l

RT: 12.23 min Scan# 3464

Delta R.T. 0.11 min

Lab File: VU034362.D

Acq: 07 Sep 2019 04:09

Instrument :

MSVOA_U

ClientSampleId :

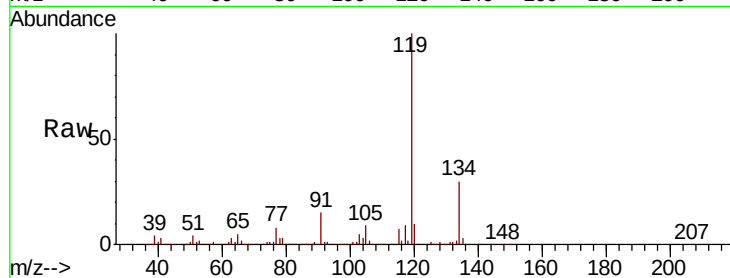
S13-0267

Tgt Ion:117 Resp: 44600

Ion Ratio Lower Upper

117 100

201 0.0 44.1 132.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

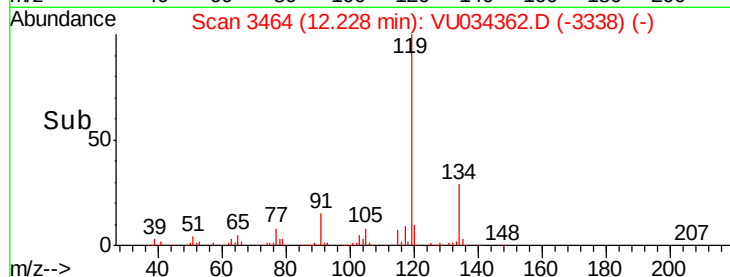
150000

100000

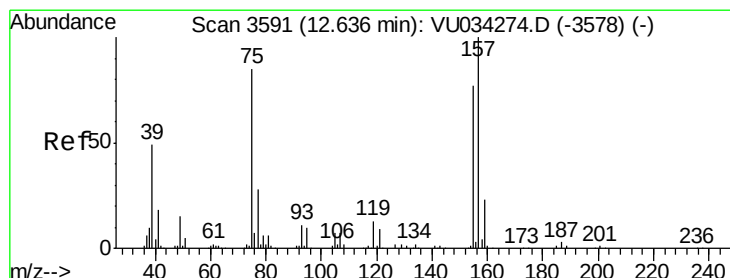
50000

0

12.15 12.20 12.25



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.333 ug/l

RT: 12.63 min Scan# 3588

Delta R.T. -0.01 min

Lab File: VU034362.D

Acq: 07 Sep 2019 04:09

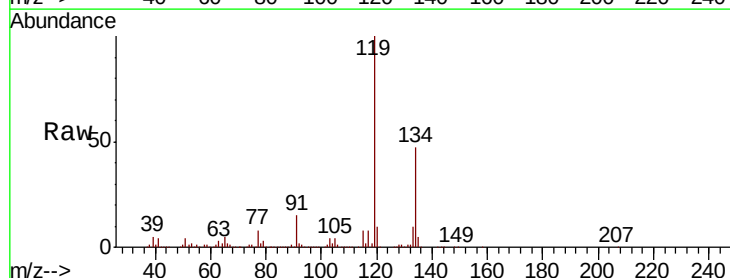
Tgt Ion: 75 Resp: 3203

Ion Ratio Lower Upper

75 100

155 0.0 44.6 134.0#

157 0.0 58.2 174.6#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

2500

2000

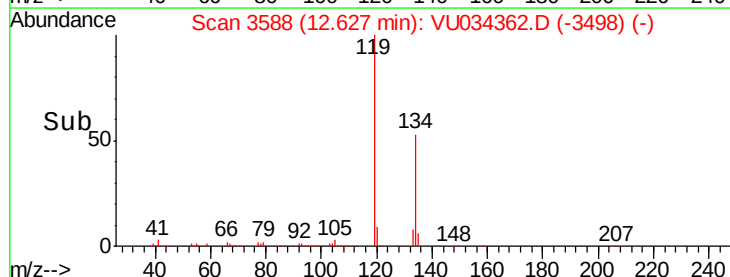
1500

1000

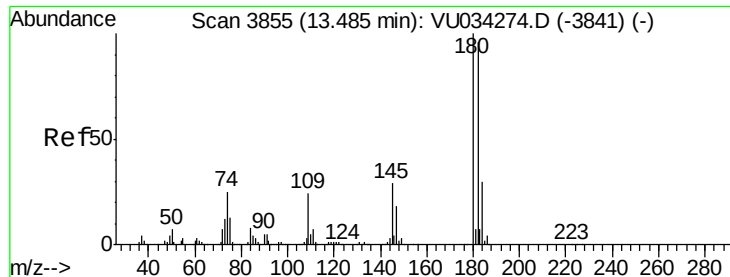
500

0

12.55 12.60 12.65



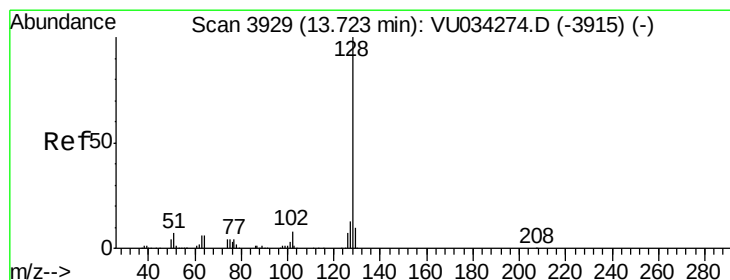
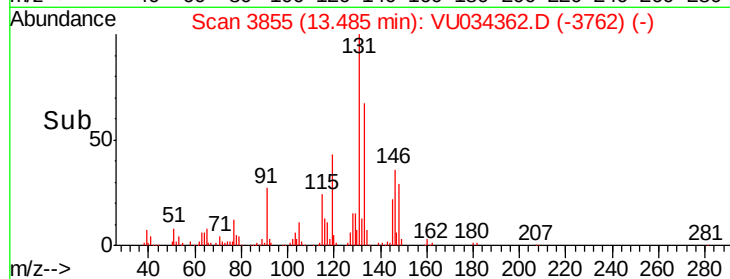
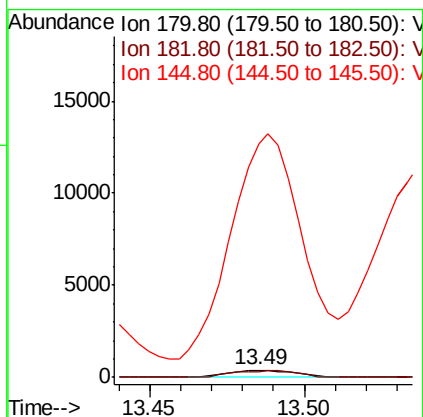
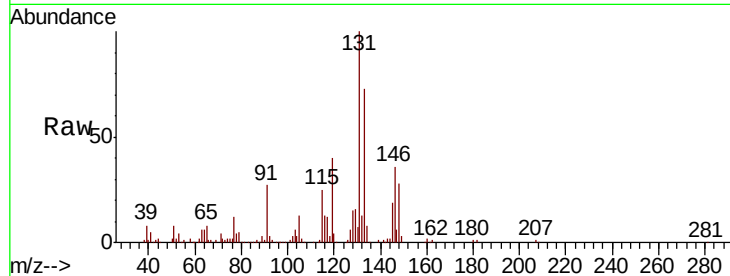
Time-->



#93
 1,2,4-Trichlorobenzene
 Concen: 3.528 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034362.D
 Acq: 07 Sep 2019 04:09

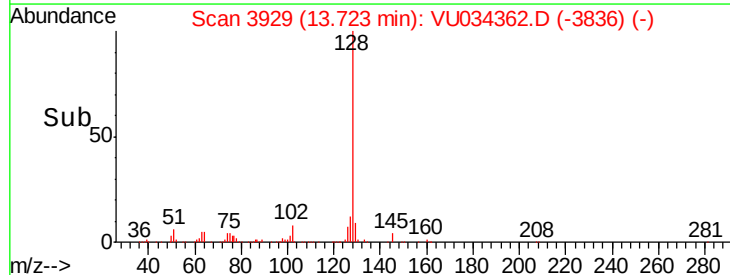
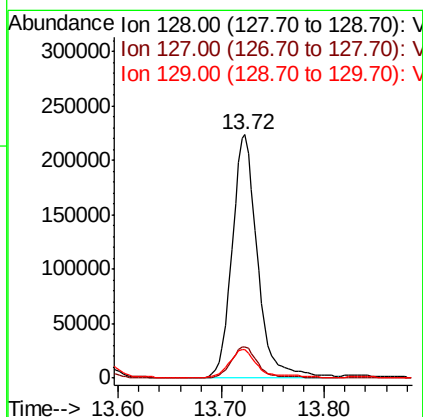
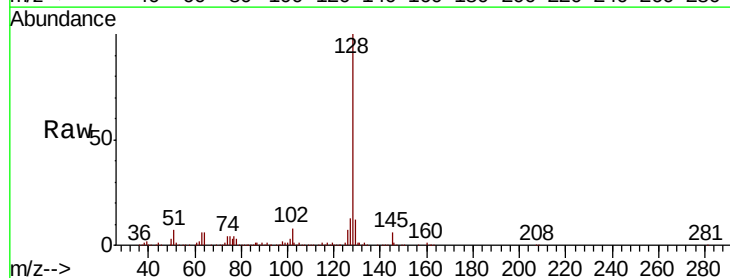
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0267

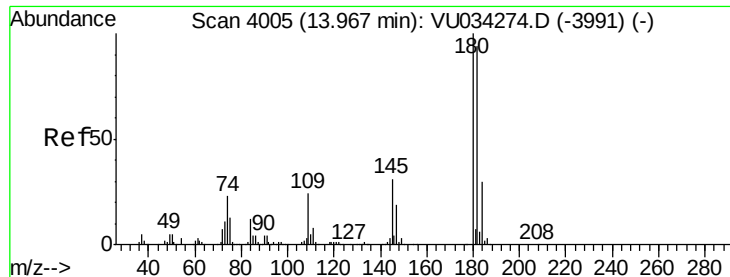
Tgt Ion:180 Resp: 554
 Ion Ratio Lower Upper
 180 100
 182 93.3 47.9 143.8
 145 3504.7 14.4 43.0#



#95
 Naphthalene
 Concen: 22.708 ug/l
 RT: 13.72 min Scan# 3929
 Delta R.T. 0.00 min
 Lab File: VU034362.D
 Acq: 07 Sep 2019 04:09

Tgt Ion:128 Resp: 384780
 Ion Ratio Lower Upper
 128 100
 127 13.6 10.6 15.8
 129 12.3 8.4 12.6

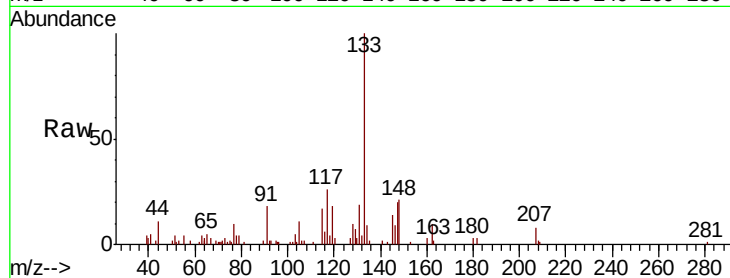




#96
 1,2,3-Trichlorobenzene
 Concen: 2.706 ug/l
 RT: 13.97 min Scan# 4005
 Delta R.T. 0.00 min
 Lab File: VU034362.D
 Acq: 07 Sep 2019 04:09

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0267

Tgt Ion	Ratio	Lower	Upper
180	100		
182	85.9	48.4	145.0
145	0.0	15.4	46.4#



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

