

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
 Data File : VU034327.D
 Acq On : 06 Sep 2019 13:52
 Operator : JC/SP
 Sample : K4722-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 06 14:12:36 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

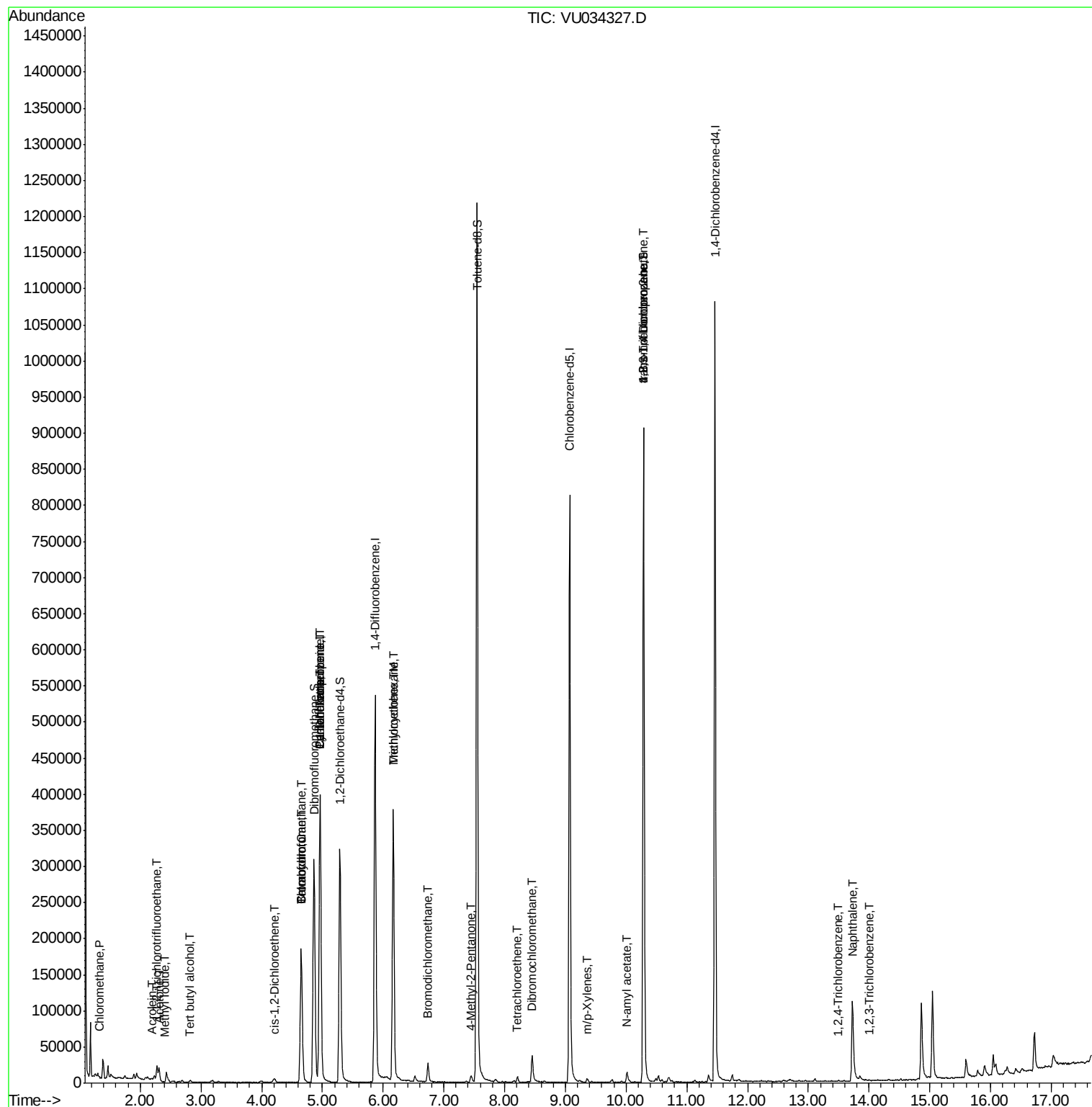
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	336680	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	502954	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	488667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	307215	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	253252	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
35) Dibromofluoromethane	4.86	113	222626	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
50) Toluene-d8	7.55	98	862552	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
62) 4-Bromofluorobenzene	10.29	95	312547	46.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.08%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	1225	0.237	ug/l	93
5) Bromomethane	1.63	94	716	Below Cal		89
6) Chloroethane	1.56	64	362	Below Cal	#	43
9) 1,1,2-Trichlorotrifluoroet	2.28	101	8044	2.064	ug/l	99
10) Methyl Iodide	2.40	142	117	3.877	ug/l #	43
11) Tert butyl alcohol	2.82	59	1955	1.817	ug/l #	73
13) Acrolein	2.19	56	577	0.638	ug/l	85
16) Acetone	2.31	43	19343	7.338	ug/l	97
20) Methylene Chloride	2.69	84	1266	Below Cal		90
27) cis-1,2-Dichloroethene	4.21	96	3146	0.671	ug/l	83
28) Bromochloromethane	4.65	49	12913	3.442	ug/l #	11
29) Tetrahydrofuran	4.65	42	817	0.382	ug/l #	1
30) Chloroform	4.65	83	183600	22.147	ug/l	100
31) Cyclohexane	4.96	56	5382	0.902	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	22035	4.040	ug/l #	47
38) Carbon Tetrachloride	4.96	117	29110	4.998	ug/l #	16
39) Methylcyclohexane	6.17	83	1580	0.271	ug/l #	1
44) Trichloroethene	6.17	130	143201	29.402	ug/l	97
47) Bromodichloromethane	6.74	83	17811	2.679	ug/l	99
51) 4-Methyl-2-Pentanone	7.45	43	8109	1.164	ug/l	91
60) Dibromochloromethane	8.46	129	2710	0.504	ug/l	99
64) Tetrachloroethene	8.21	164	2119	0.500	ug/l	85
68) m/p-Xylenes	9.36	106	1554	0.204	ug/l	92
74) N-ethyl acetate	10.02	43	2979	0.370	ug/l #	11
76) 1,2,3-Trichloropropane	10.29	75	145928	21.761	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	145928	73.181	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.49	180	568	3.524	ug/l #	86
95) Naphthalene	13.73	128	120697	9.393	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	470	2.702	ug/l #	51

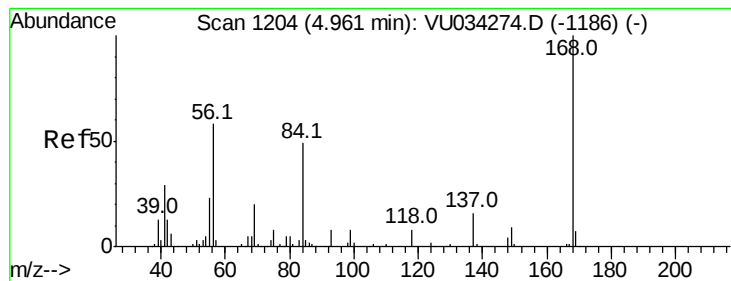
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU090719\
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Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034327.D

Acq: 06 Sep 2019 13:52

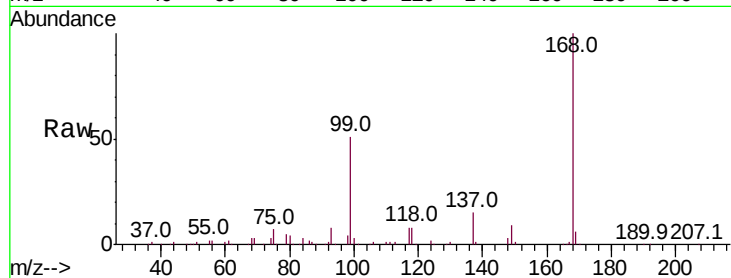
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 336680

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

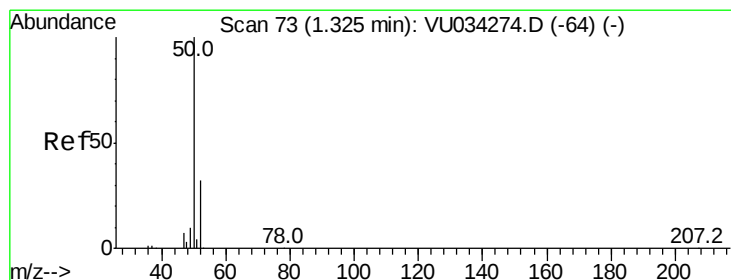
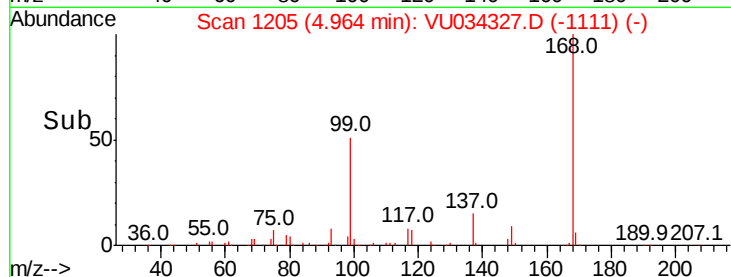
100000

50000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 0.237 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU034327.D

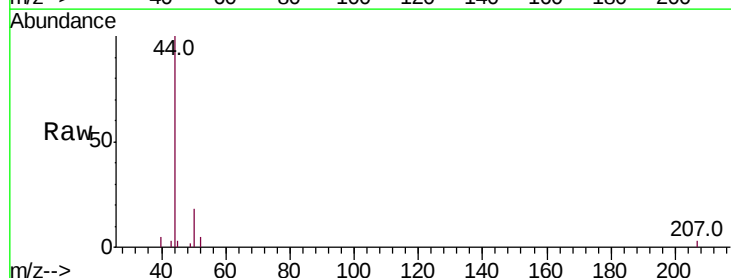
Acq: 06 Sep 2019 13:52

Tgt Ion: 50 Resp: 1225

Ion Ratio Lower Upper

50 100

52 28.3 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VU034274.D (-64) (-)

Ion 51.90 (51.60 to 52.60): VU034274.D (-64) (-)

1.33

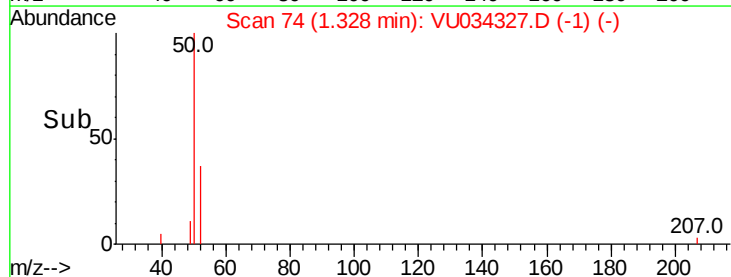
1000

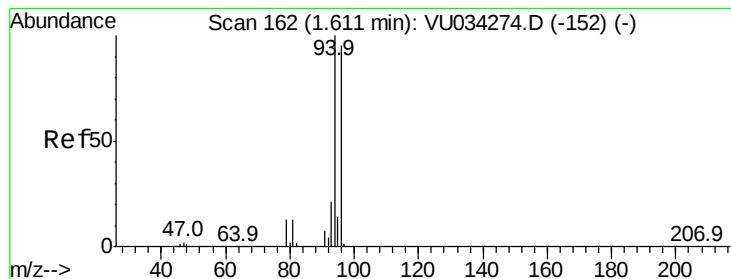
500

0

1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 169

Delta R.T. 0.02 min

Lab File: VU034327.D

Acq: 06 Sep 2019 13:52

Instrument :

MSVOA_U

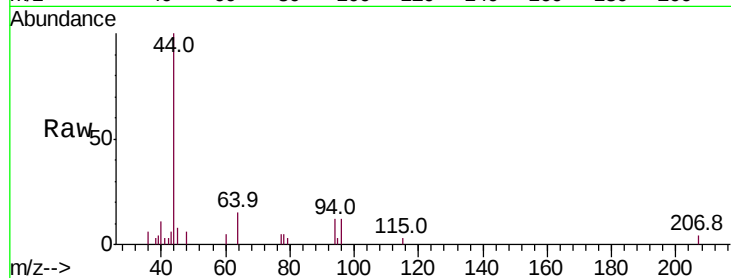
ClientSampleId :

Tot Ion: 94 Resp: 716

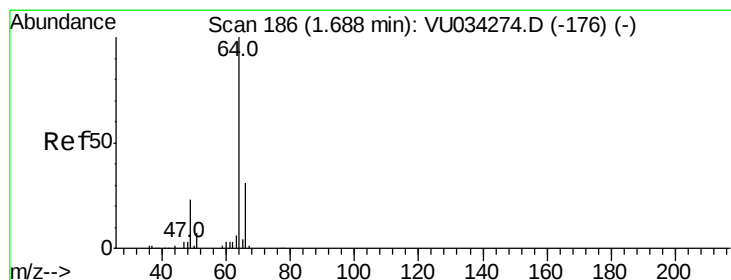
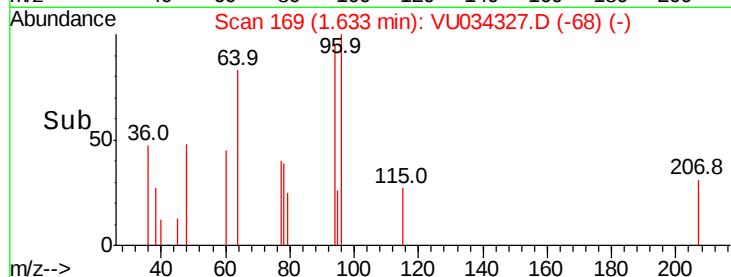
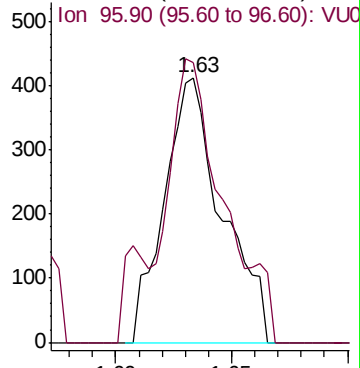
Ion Ratio Lower Upper

94 100

96 105.6 75.7 113.5



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



#6

Chloroethane

Concen: Below Cal

RT: 1.56 min Scan# 146

Delta R.T. -0.13 min

Lab File: VU034327.D

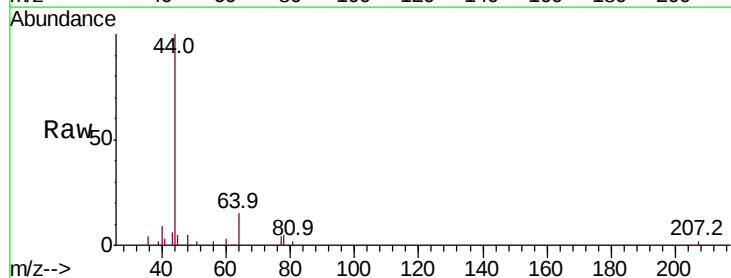
Acq: 06 Sep 2019 13:52

Tgt Ion: 64 Resp: 362

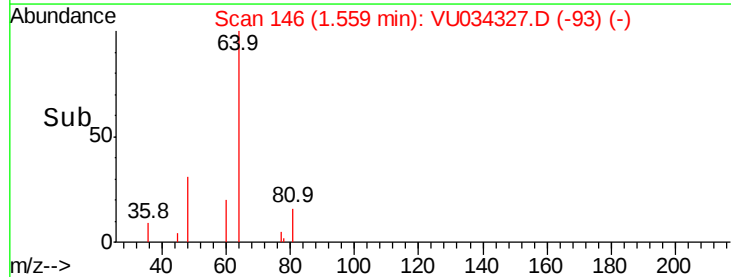
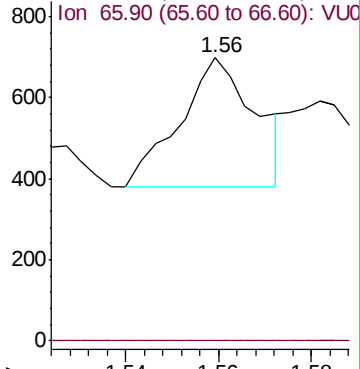
Ion Ratio Lower Upper

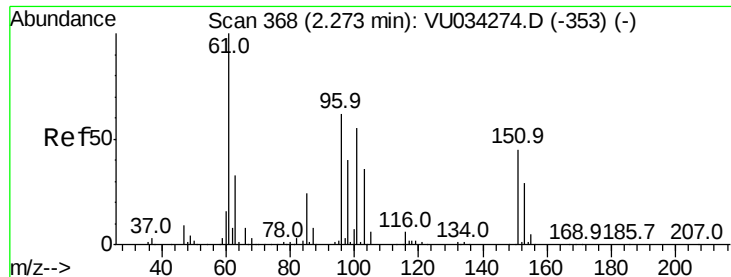
64 100

66 0.0 25.0 37.6#



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.064 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034327.D

Acq: 06 Sep 2019 13:52

Instrument :

MSVOA_U

ClientSampleId :

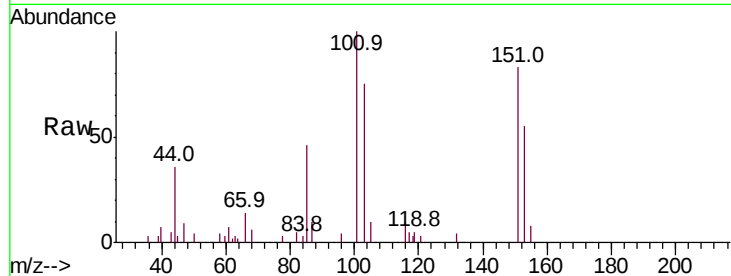
Tot Ion:101 Resp: 8044

Ion Ratio Lower Upper

101 100

85 42.5 34.4 51.6

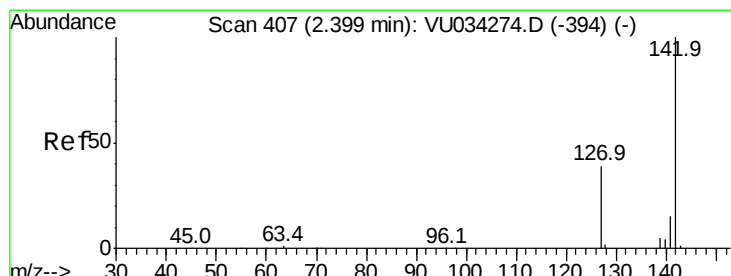
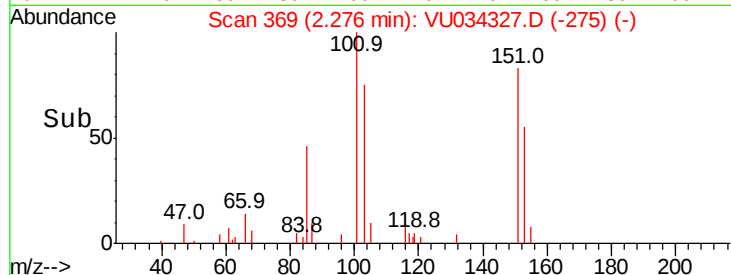
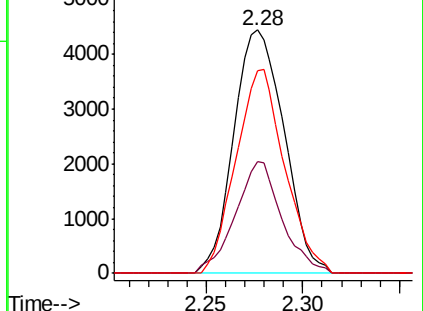
151 81.0 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.877 ug/l

RT: 2.40 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU034327.D

Acq: 06 Sep 2019 13:52

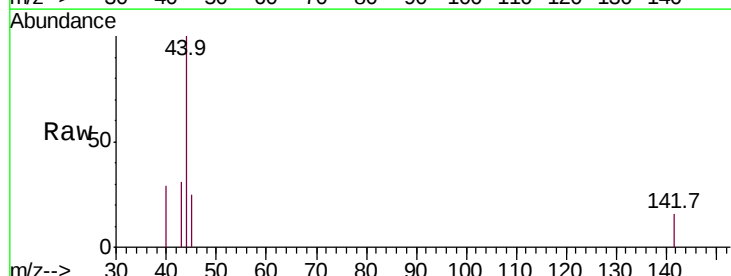
Tgt Ion:142 Resp: 117

Ion Ratio Lower Upper

142 100

127 0.0 32.1 48.1#

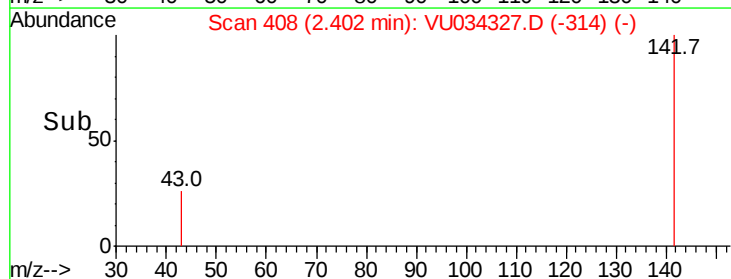
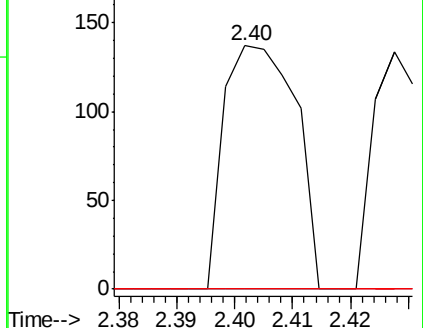
141 0.0 11.5 17.3#

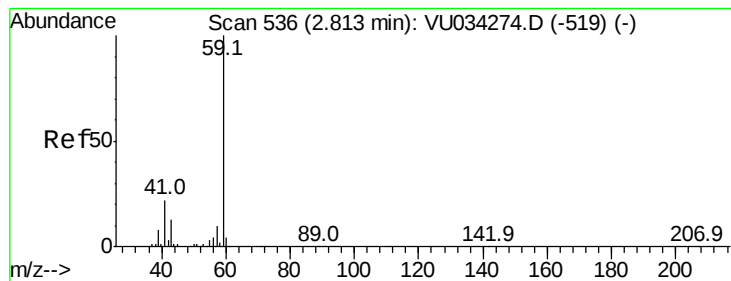


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



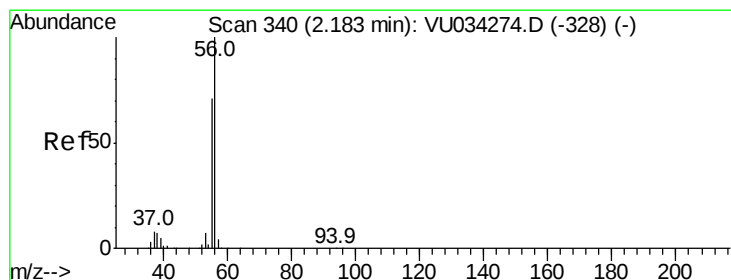
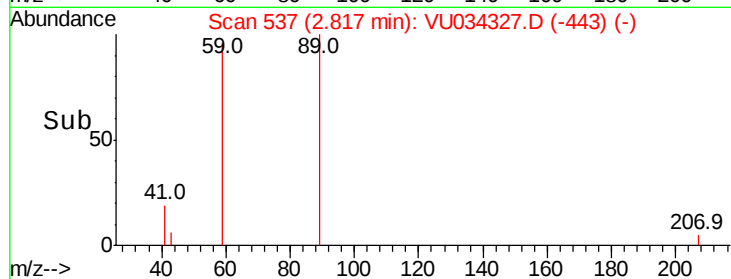
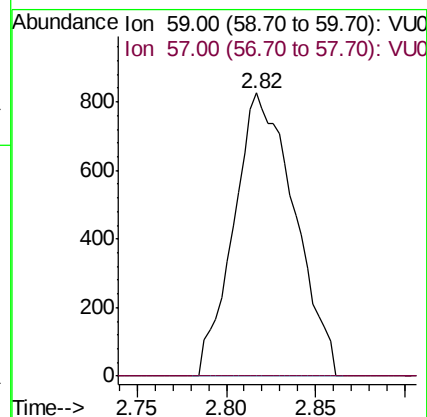
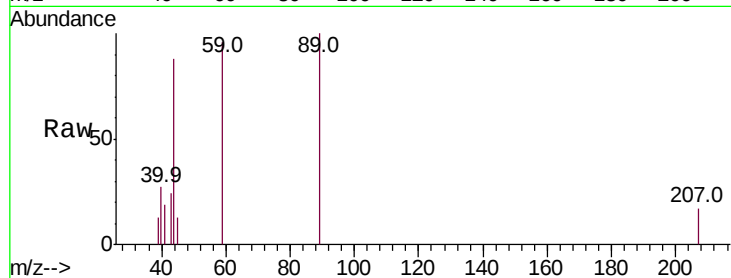


#11

Tert butyl alcohol
 Concen: 1.817 ug/l
 RT: 2.82 min Scan# 537
 Delta R.T. 0.00 min
 Lab File: VU034327.D
 Acq: 06 Sep 2019 13:52

Instrument :
 MSVOA_U
 ClientSampleId :

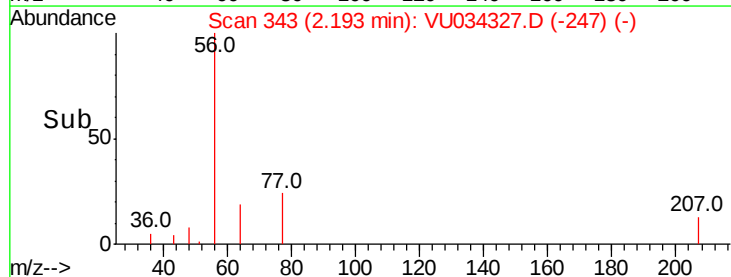
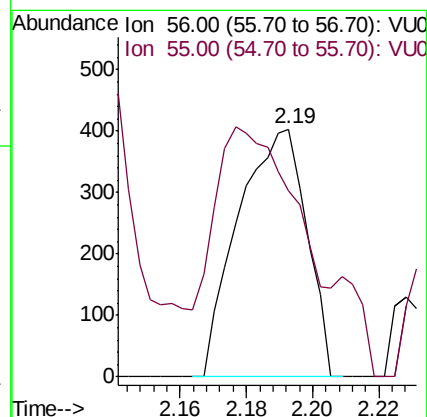
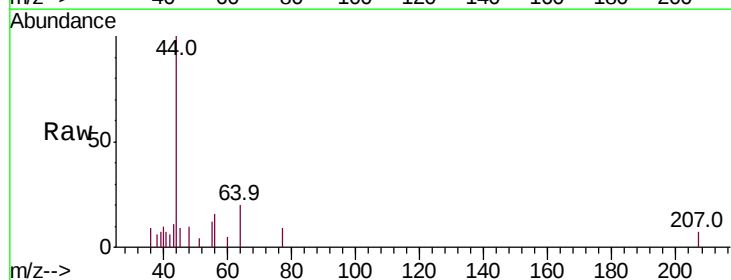
Tot Ion: 59 Resp: 1955
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

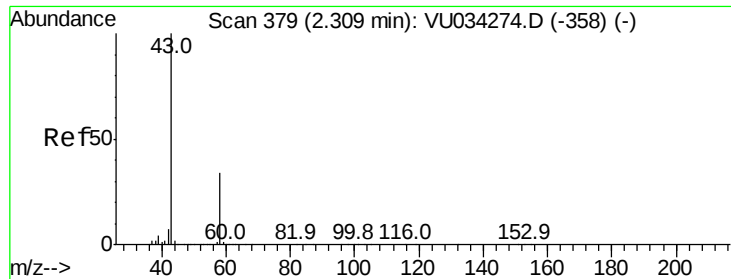


#13

Acrolein
 Concen: 0.638 ug/l
 RT: 2.19 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VU034327.D
 Acq: 06 Sep 2019 13:52

Tgt Ion: 56 Resp: 577
 Ion Ratio Lower Upper
 56 100
 55 84.6 57.4 86.2





#16

Acetone

Concen: 7.338 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034327.D

Acq: 06 Sep 2019 13:52

Instrument :

MSVOA_U

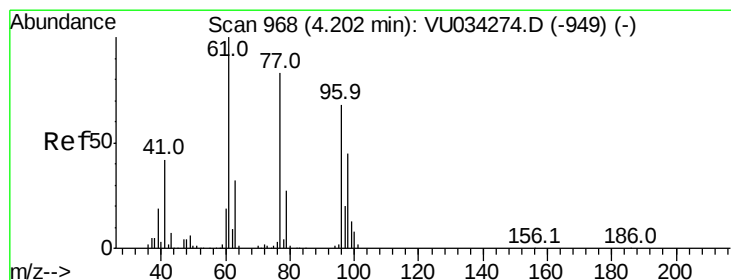
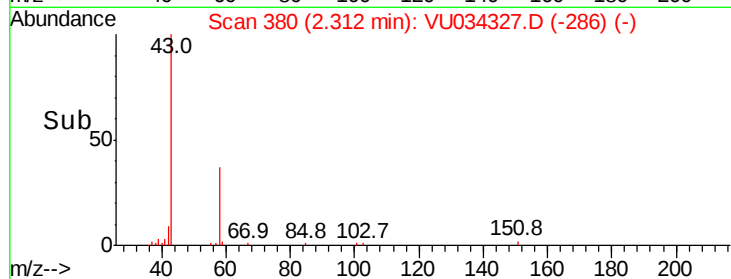
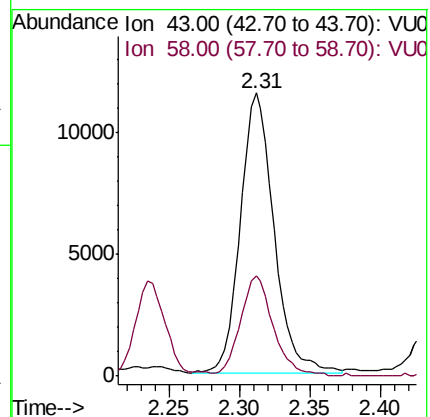
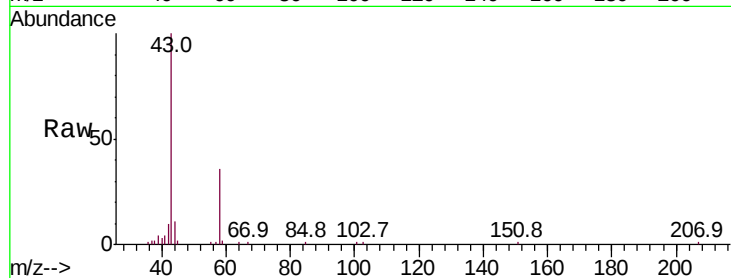
ClientSampleId :

Tot Ion: 43 Resp: 19343

Ion Ratio Lower Upper

43 100

58 36.0 27.6 41.4



#27

cis-1,2-Dichloroethene

Concen: 0.671 ug/l

RT: 4.21 min Scan# 970

Delta R.T. 0.01 min

Lab File: VU034327.D

Acq: 06 Sep 2019 13:52

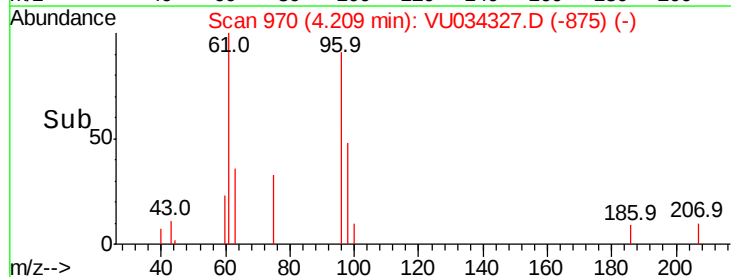
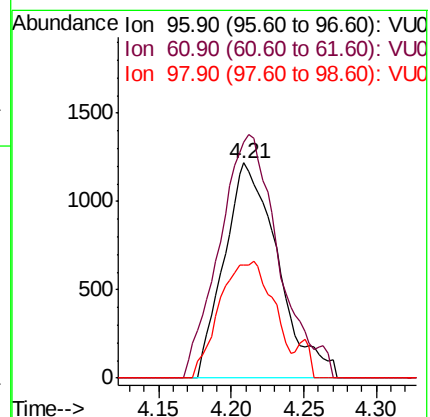
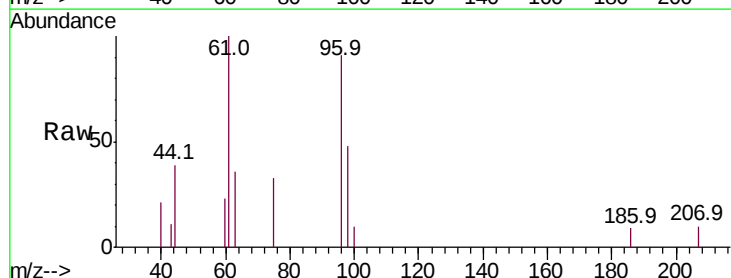
Tgt Ion: 96 Resp: 3146

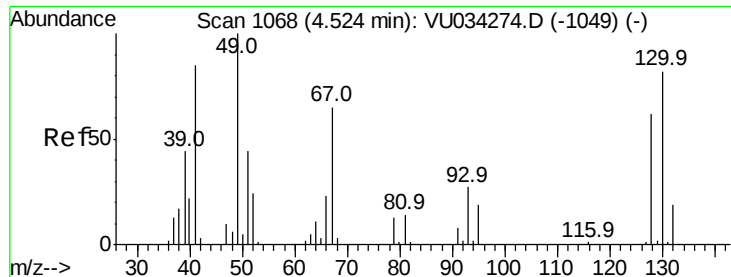
Ion Ratio Lower Upper

96 100

61 124.3 0.0 297.4

98 54.5 0.0 130.0





#28

Bromochloromethane

Concen: 3.442 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.13 min

Lab File: VU034327.D

Acq: 06 Sep 2019 13:52

Instrument :
MSVOA_U
ClientSampleId :

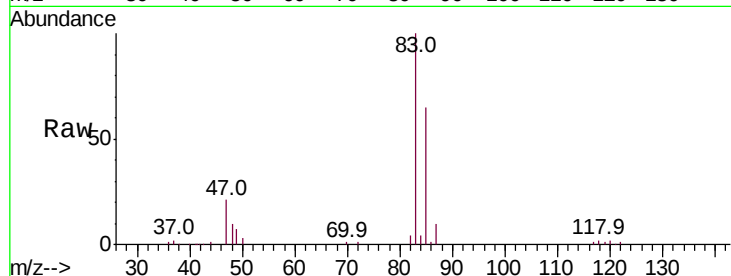
Tot Ion: 49 Resp: 12913

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

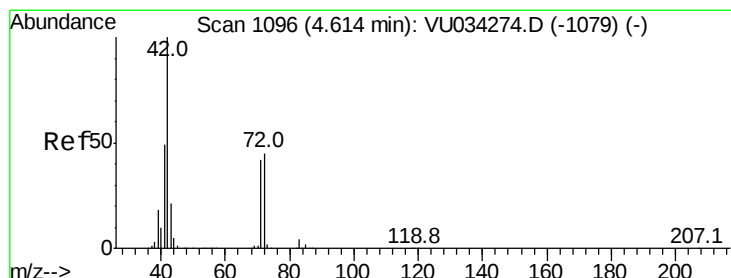
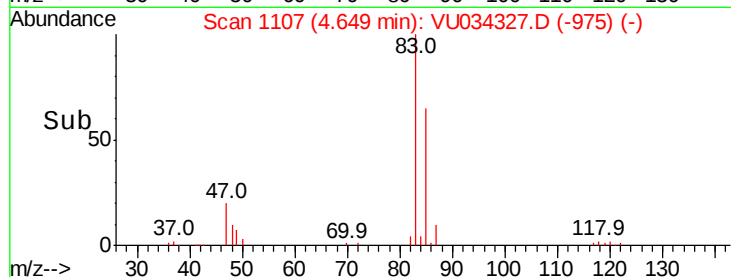
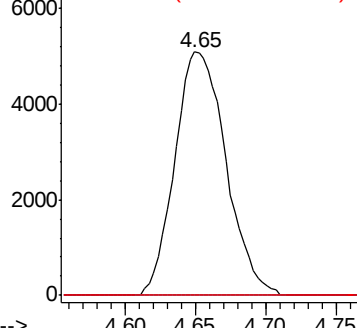
130 0.0 65.2 97.8#



Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.382 ug/l

RT: 4.65 min Scan# 1106

Delta R.T. 0.03 min

Lab File: VU034327.D

Acq: 06 Sep 2019 13:52

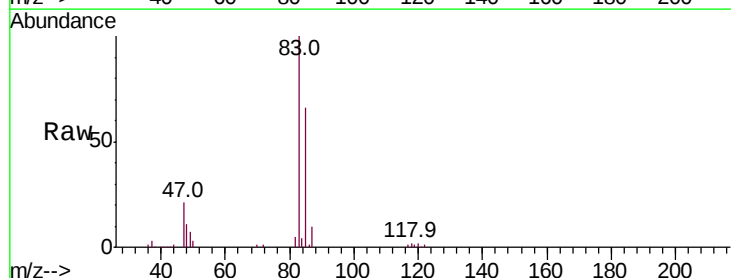
Tgt Ion: 42 Resp: 817

Ion Ratio Lower Upper

42 100

72 138.4 36.6 54.8#

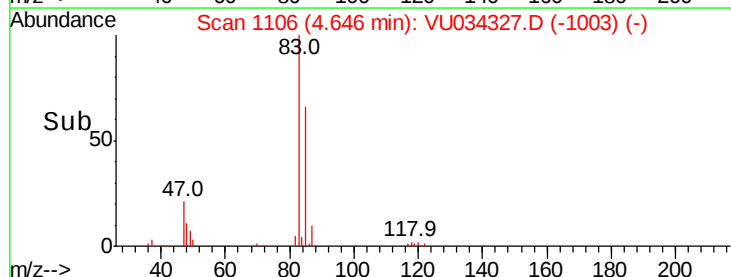
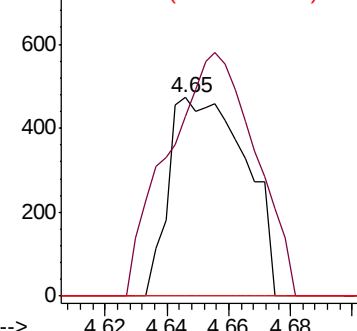
71 0.0 34.3 51.5#

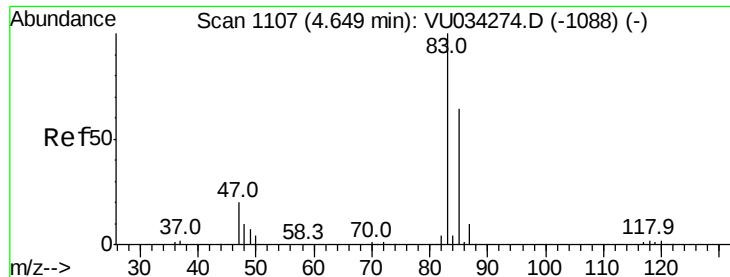


Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0

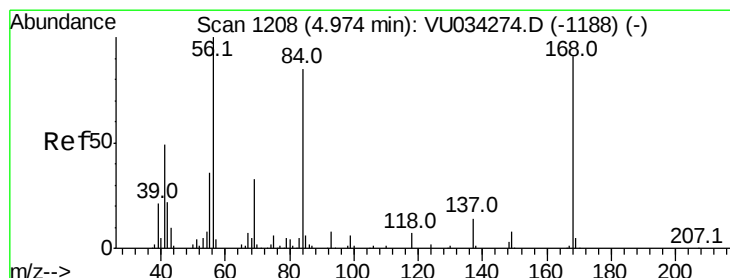
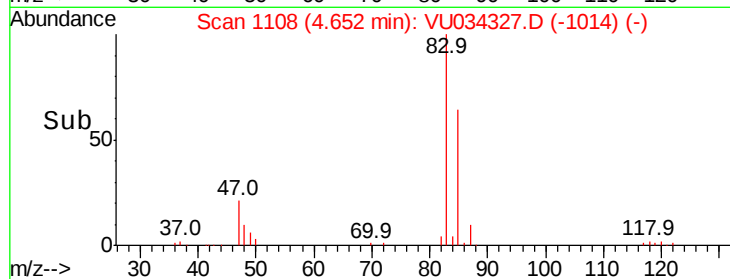
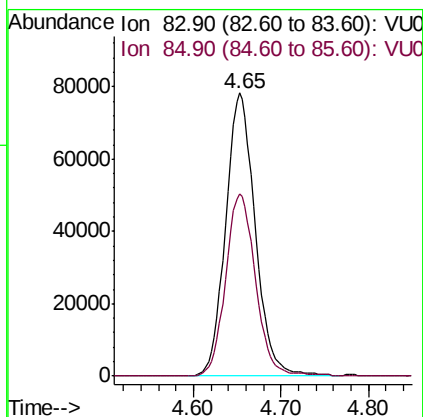
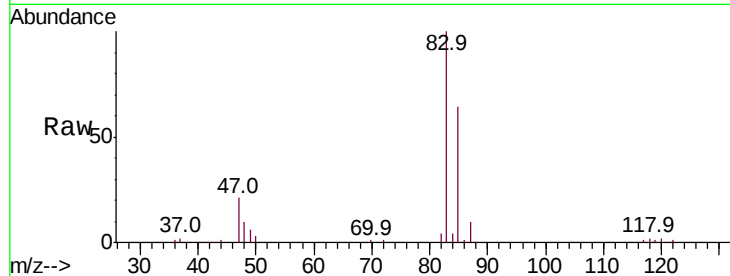




#30
Chloroform
Concen: 22.147 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034327.D
Acq: 06 Sep 2019 13:52

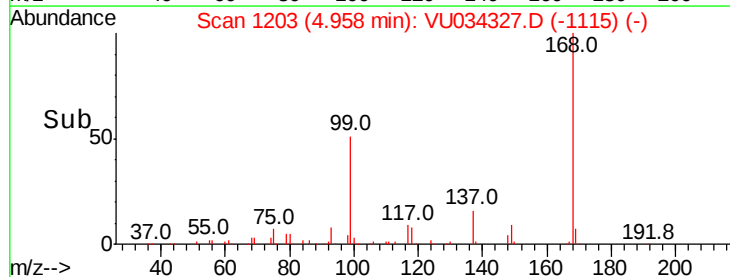
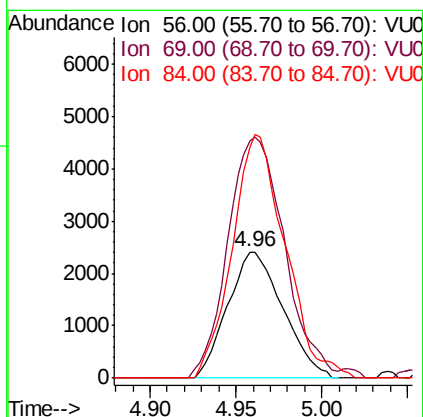
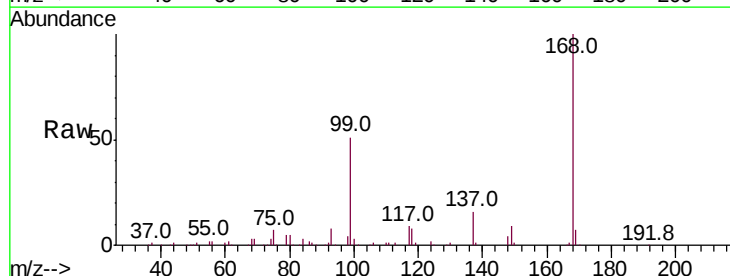
Instrument :
MSVOA_U
ClientSampleId :

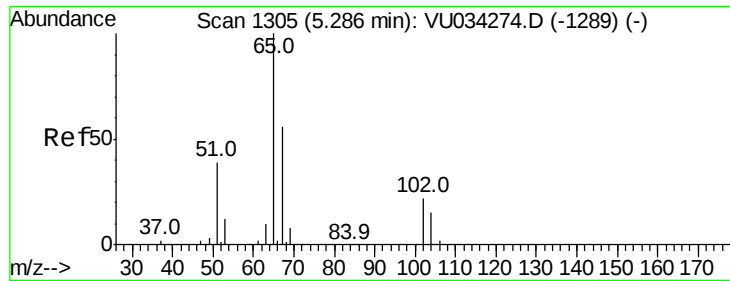
Tot Ion: 83 Resp: 183600
Ion Ratio Lower Upper
83 100
85 64.4 51.5 77.3



#31
Cyclohexane
Concen: 0.902 ug/l
RT: 4.96 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VU034327.D
Acq: 06 Sep 2019 13:52

Tgt Ion: 56 Resp: 5382
Ion Ratio Lower Upper
56 100
69 187.3 26.7 40.1#
84 182.3 68.2 102.4#

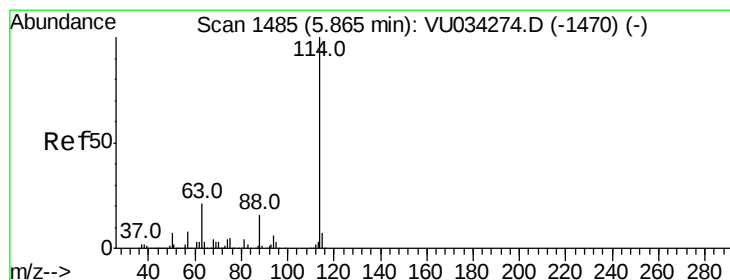
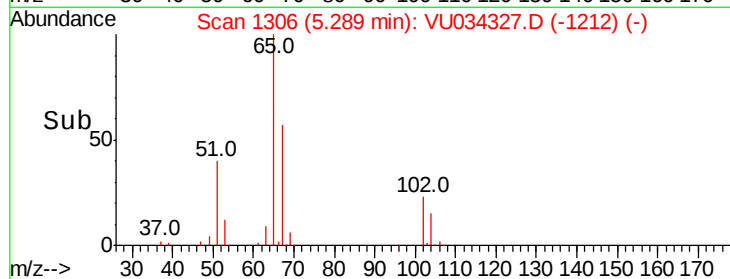
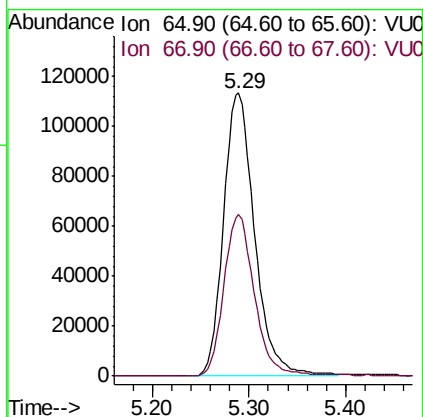
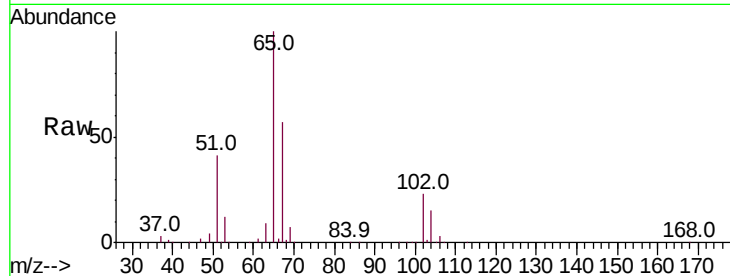




#33
 1,2-Dichloroethane-d4
 Concen: 49.715 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034327.D
 Acq: 06 Sep 2019 13:52

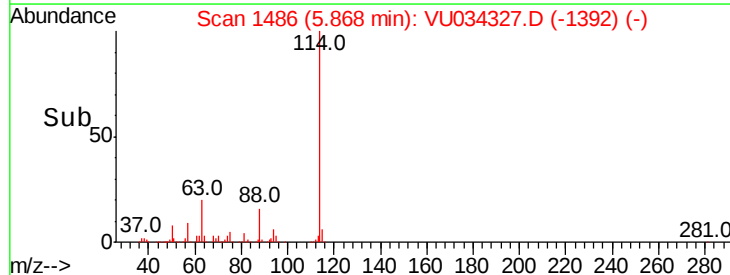
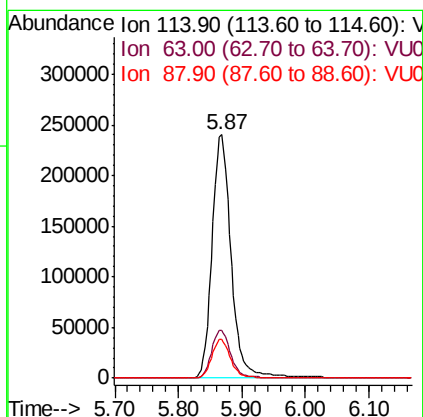
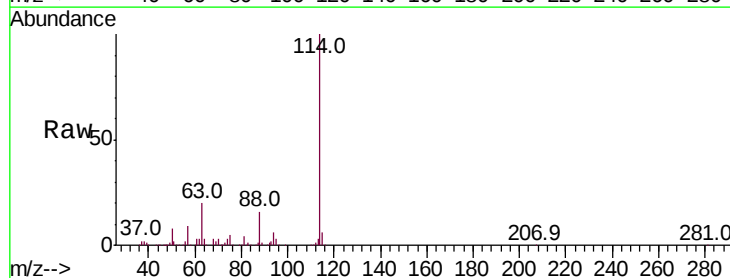
Instrument :
 MSVOA_U
 ClientSampleId :

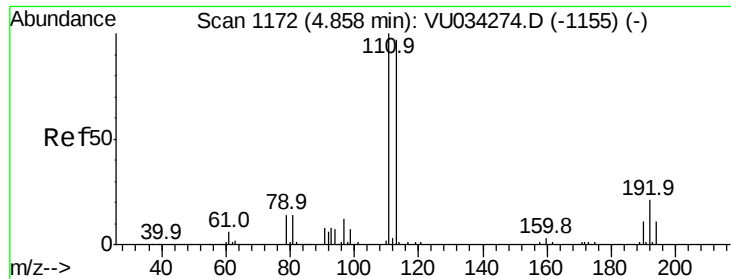
Tot Ion: 65 Resp: 253252
 Ion Ratio Lower Upper
 65 100
 67 56.4 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034327.D
 Acq: 06 Sep 2019 13:52

Tgt Ion: 114 Resp: 502954
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 42.4
 88 16.0 0.0 32.4

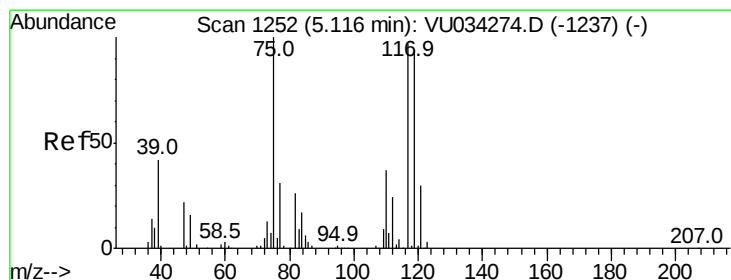
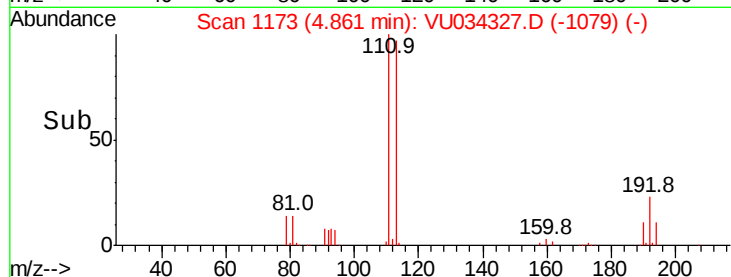
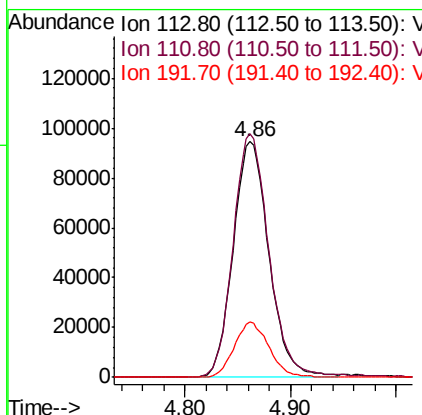
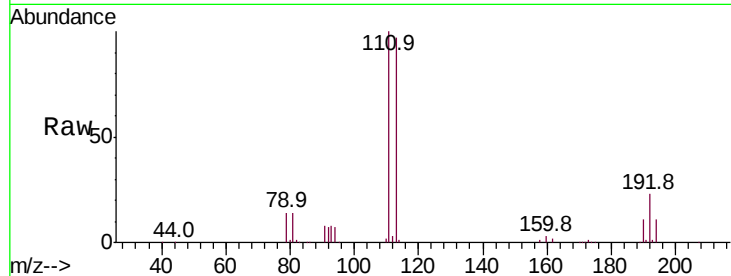




#35
 Dibromofluoromethane
 Concen: 47.570 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034327.D
 Acq: 06 Sep 2019 13:52

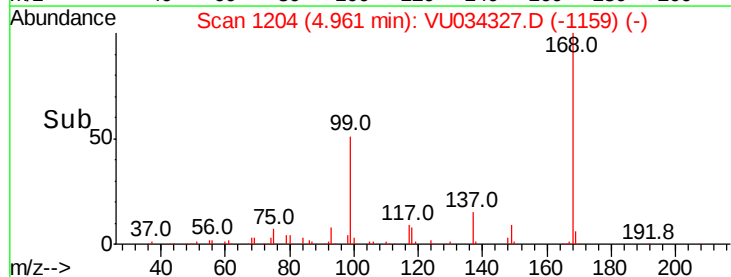
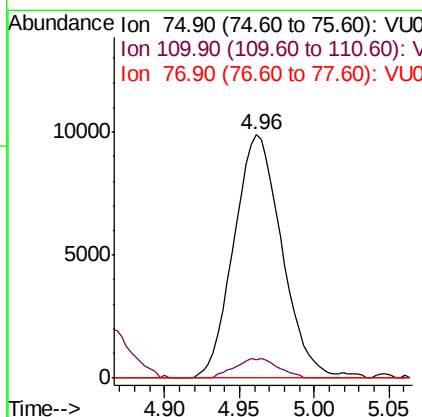
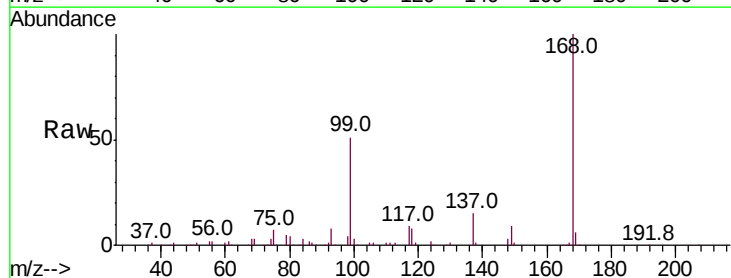
Instrument :
 MSVOA_U
 ClientSampleId :

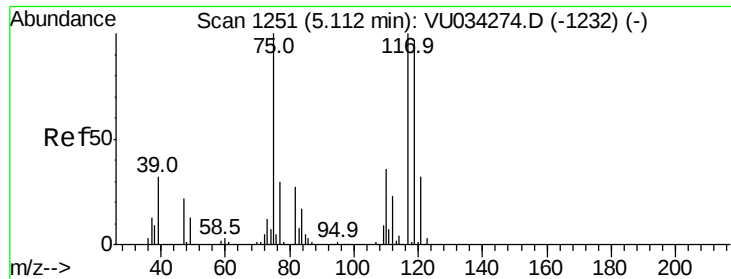
Tot Ion:113 Resp: 222626
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.5 122.3
 192 23.0 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 4.040 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034327.D
 Acq: 06 Sep 2019 13:52

Tgt Ion: 75 Resp: 22035
 Ion Ratio Lower Upper
 75 100
 110 7.3 18.3 54.9#
 77 0.0 24.9 37.3#

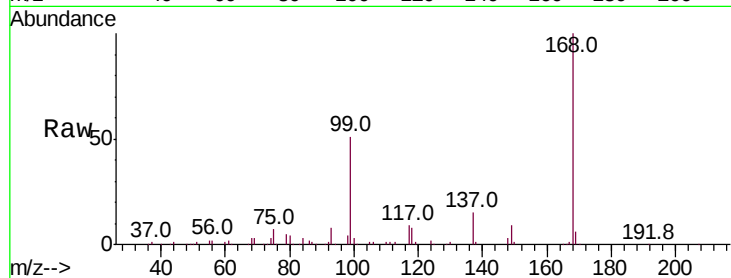




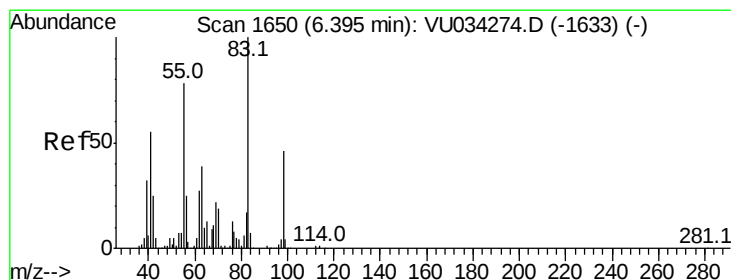
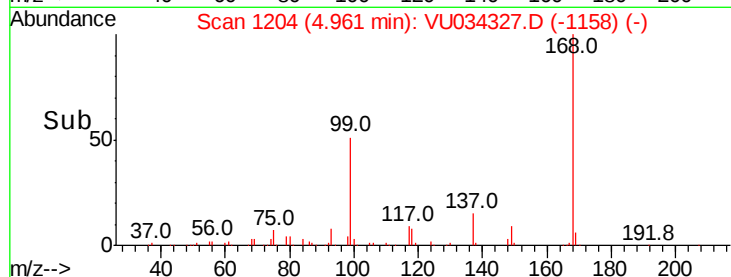
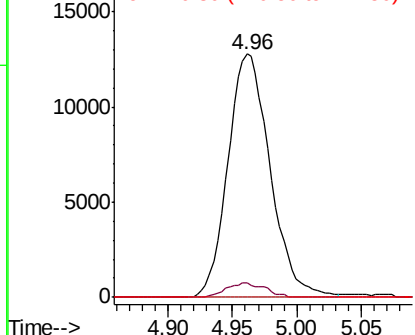
#38
Carbon Tetrachloride
Concen: 4.998 ug/l
RT: 4.96 min Scan# 1204
Delta R.T. -0.15 min
Lab File: VU034327.D
Acq: 06 Sep 2019 13:52

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 29110
Ion Ratio Lower Upper
117 100
119 5.9 77.8 116.6#
121 0.0 25.2 37.8#

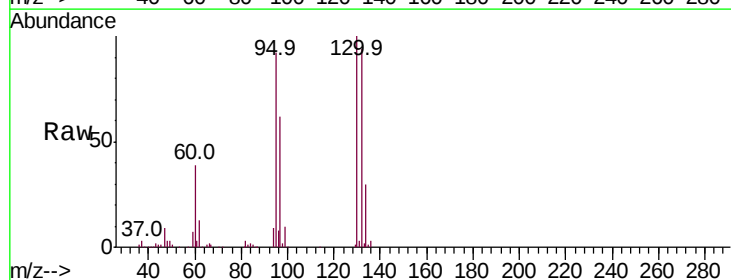


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

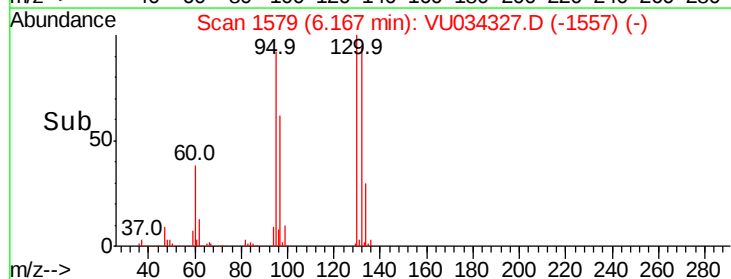
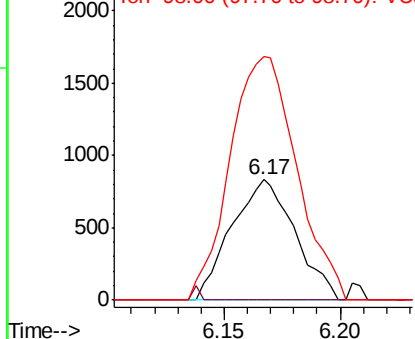


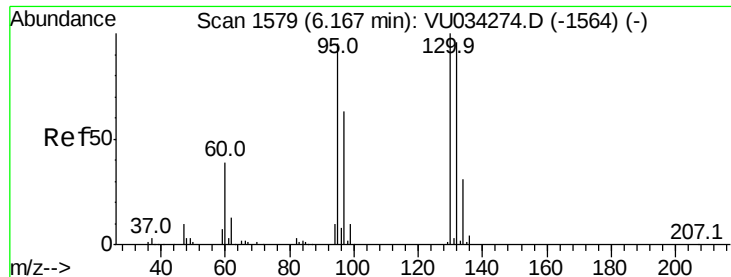
#39
Methylcyclohexane
Concen: 0.271 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. -0.23 min
Lab File: VU034327.D
Acq: 06 Sep 2019 13:52

Tgt Ion: 83 Resp: 1580
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 202.6 37.0 55.6#



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





#44

Trichloroethene

Concen: 29.402 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. -0.00 min

Lab File: VU034327.D

Acq: 06 Sep 2019 13:52

Instrument :

MSVOA_U

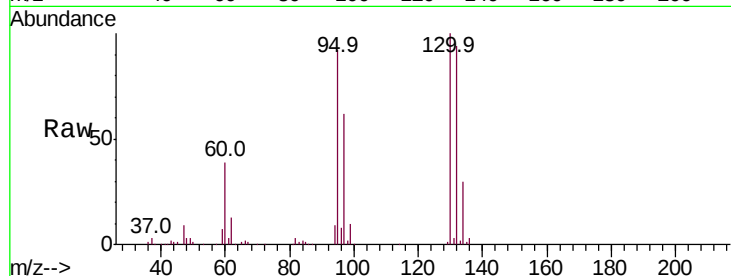
ClientSampleId :

Tot Ion:130 Resp: 143201

Ion Ratio Lower Upper

130 100

95 92.2 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): VU034274.D (-1564) (-)

Ion 94.90 (94.60 to 95.60): VU034274.D (-1564) (-)

6.17

80000

60000

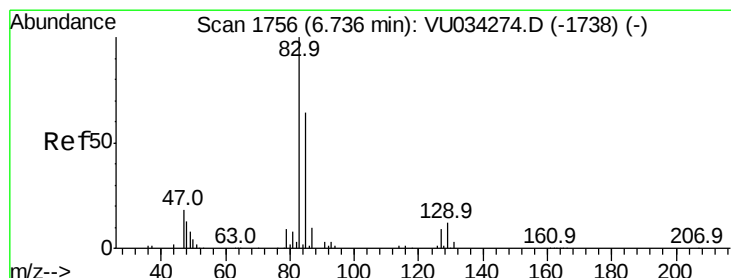
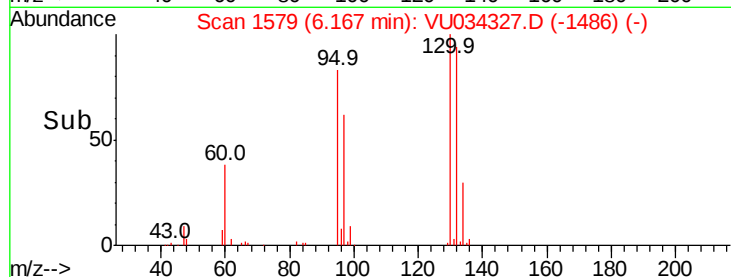
40000

20000

0

6.10 6.15 6.20 6.25

Time-->



#47

Bromodichloromethane

Concen: 2.679 ug/l

RT: 6.74 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VU034327.D

Acq: 06 Sep 2019 13:52

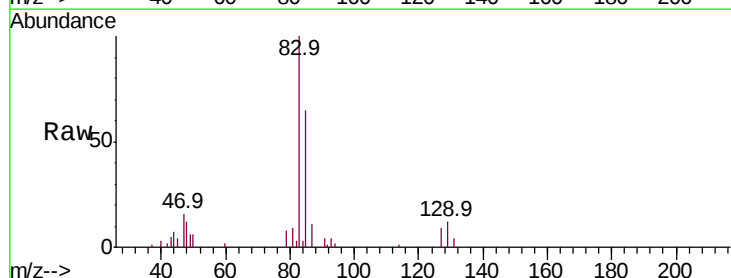
Tgt Ion: 83 Resp: 17811

Ion Ratio Lower Upper

83 100

85 64.8 51.1 76.7

127 9.2 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU034274.D (-1738) (-)

Ion 84.90 (84.60 to 85.60): VU034274.D (-1738) (-)

Ion 126.80 (126.50 to 127.50): VU034274.D (-1738) (-)

6.74

12000

10000

8000

6000

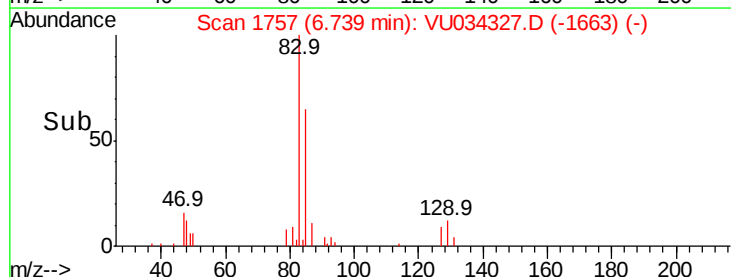
4000

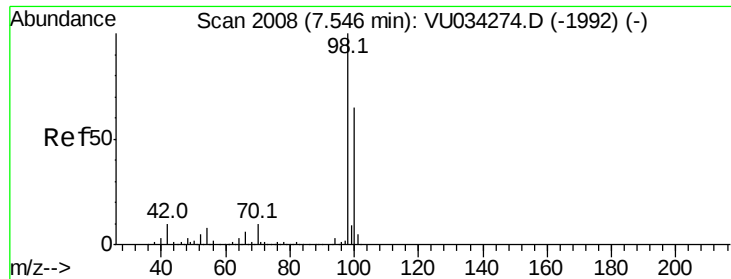
2000

0

6.70 6.75 6.80

Time-->

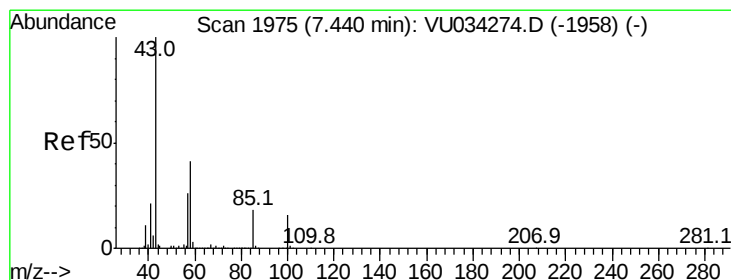
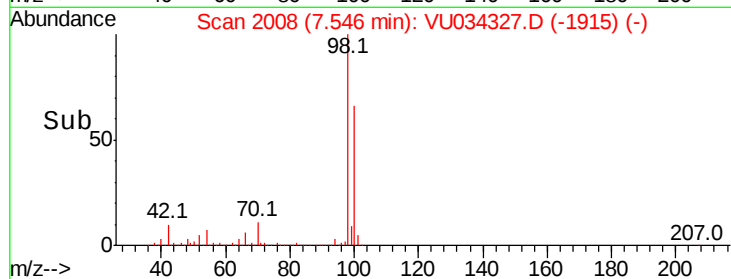
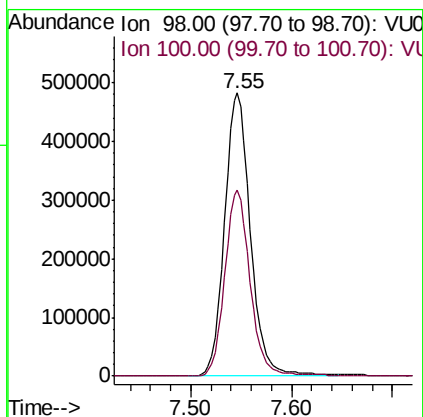
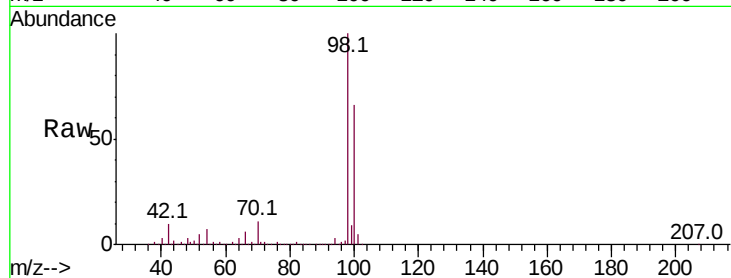




#50
Toluene-d8
Concen: 49.056 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034327.D
Acq: 06 Sep 2019 13:52

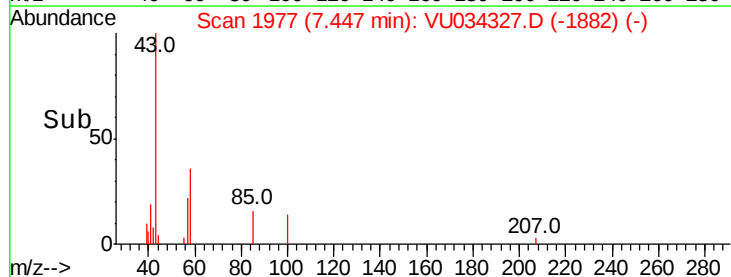
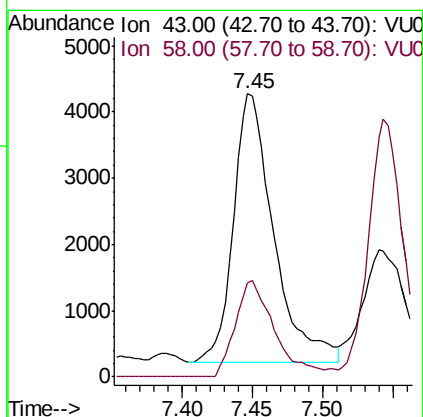
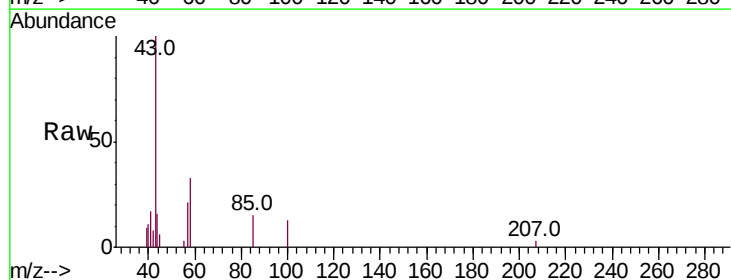
Instrument :
MSVOA_U
ClientSampled :

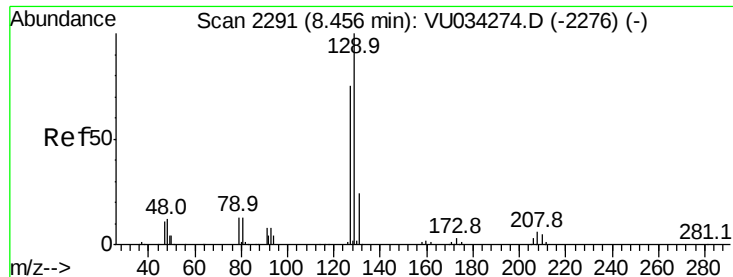
Tot Ion: 98 Resp: 862552
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.164 ug/l
RT: 7.45 min Scan# 1977
Delta R.T. 0.01 min
Lab File: VU034327.D
Acq: 06 Sep 2019 13:52

Tgt Ion: 43 Resp: 8109
Ion Ratio Lower Upper
43 100
58 35.5 33.0 49.4





#60

Dibromochloromethane

Concen: 0.504 ug/l

RT: 8.46 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VU034327.D

Acq: 06 Sep 2019 13:52

Instrument :

MSVOA_U

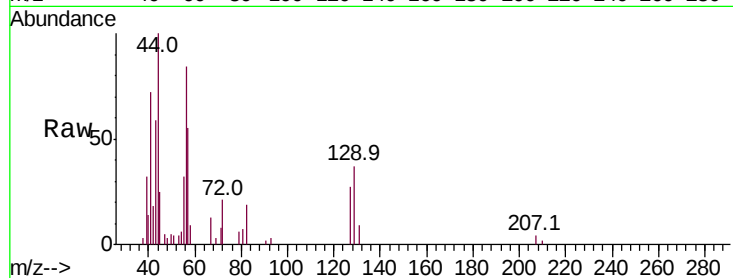
ClientSampleId :

Tot Ion:129 Resp: 2710

Ion Ratio Lower Upper

129 100

127 74.6 37.9 113.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

8.46

1500

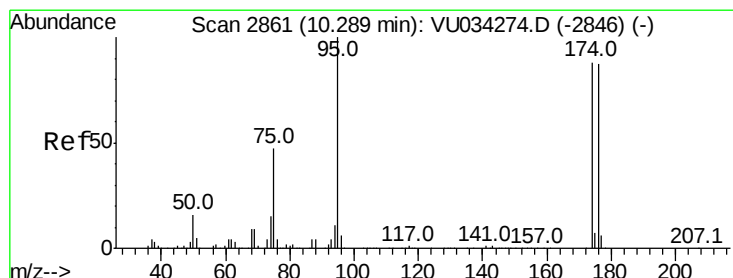
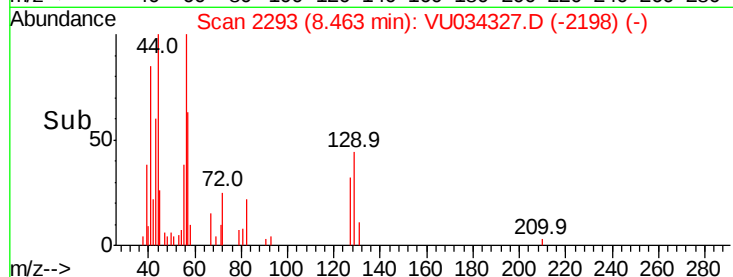
1000

500

0

8.40 8.45 8.50

Time-->



#62

4-Bromofluorobenzene

Concen: 46.040 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VU034327.D

Acq: 06 Sep 2019 13:52

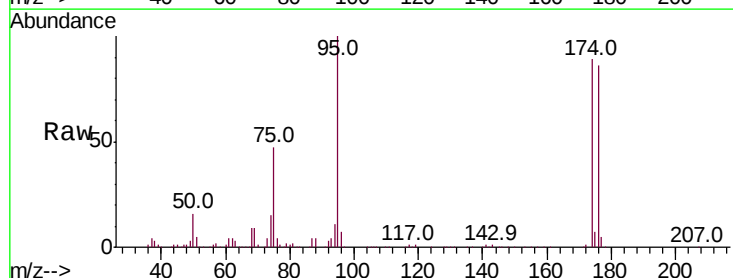
Tgt Ion: 95 Resp: 312547

Ion Ratio Lower Upper

95 100

174 88.3 0.0 175.2

176 85.6 0.0 168.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

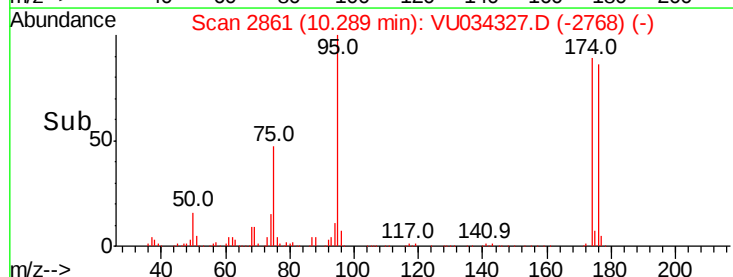
100000

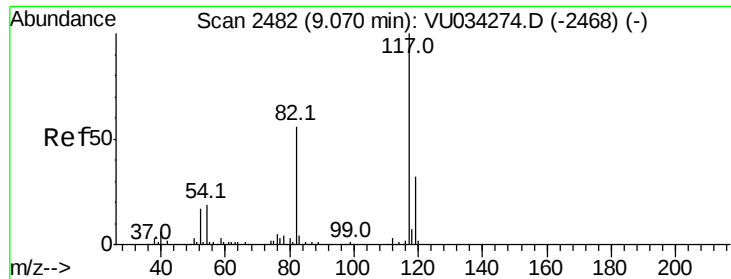
50000

0

10.20 10.30 10.40

Time-->

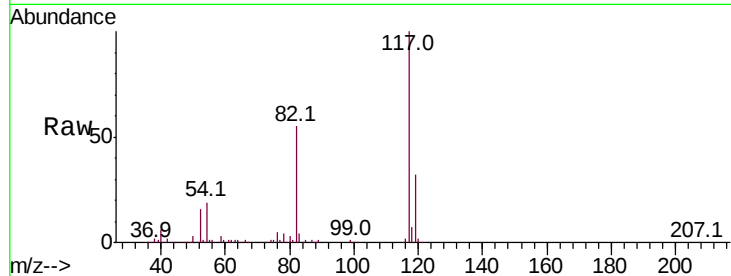




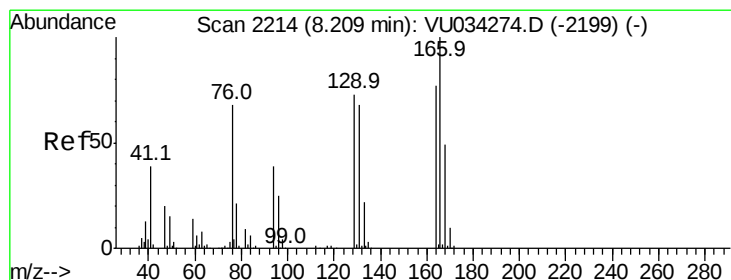
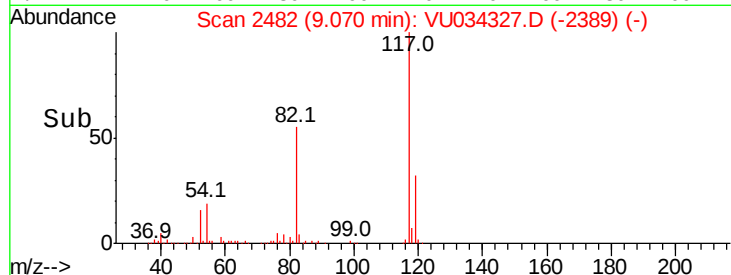
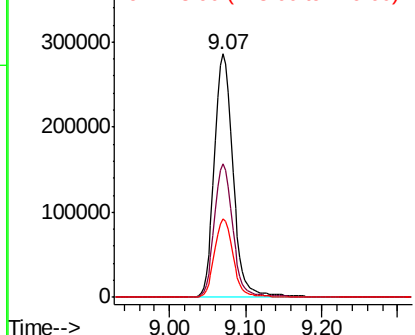
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034327.D
Acq: 06 Sep 2019 13:52

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 488667
Ion Ratio Lower Upper
117 100
82 54.8 44.6 67.0
119 32.1 25.9 38.9

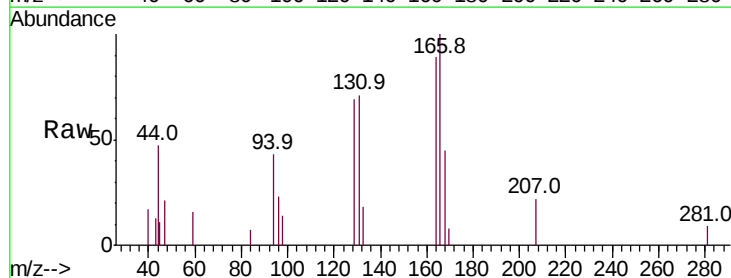


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

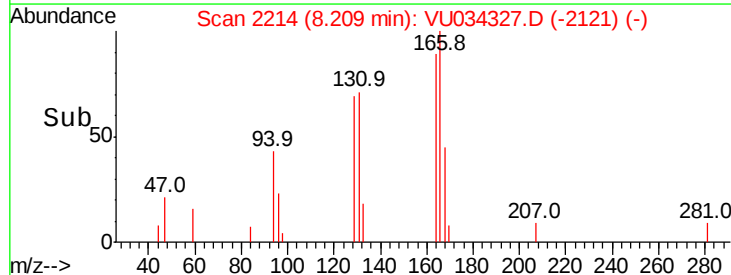
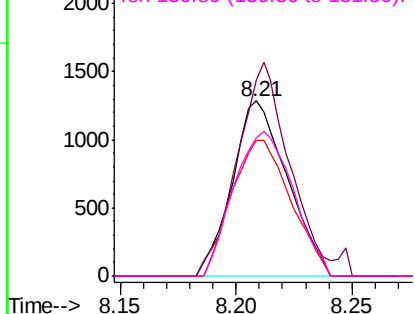


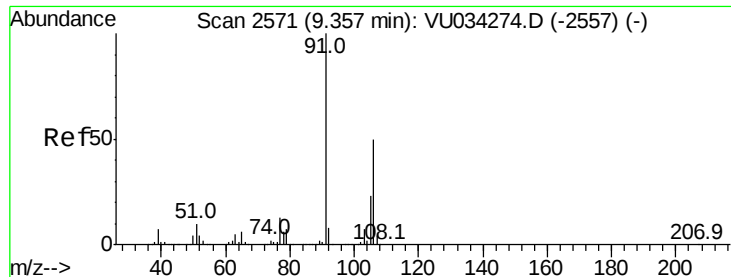
#64
Tetrachloroethene
Concen: 0.500 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU034327.D
Acq: 06 Sep 2019 13:52

Tgt Ion:164 Resp: 2119
Ion Ratio Lower Upper
164 100
166 111.8 103.7 155.5
129 77.7 75.8 113.8
131 79.0 70.7 106.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#68

m/p-Xvlenes

Concen: 0.204 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU034327.D

Acq: 06 Sep 2019 13:52

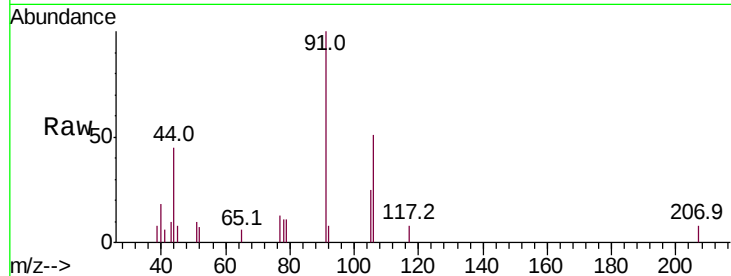
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 1554

Ion Ratio Lower Upper

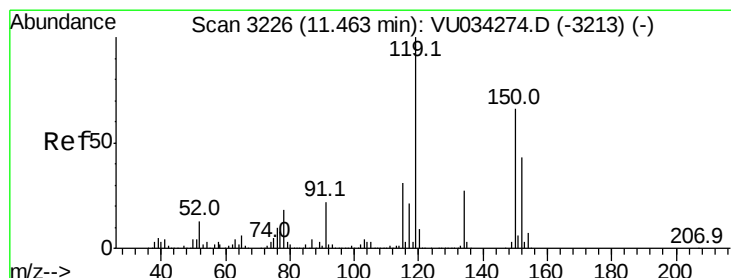
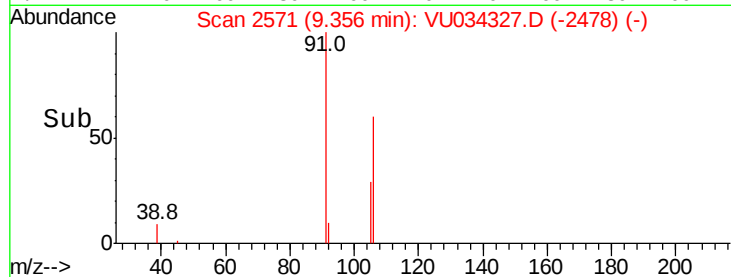
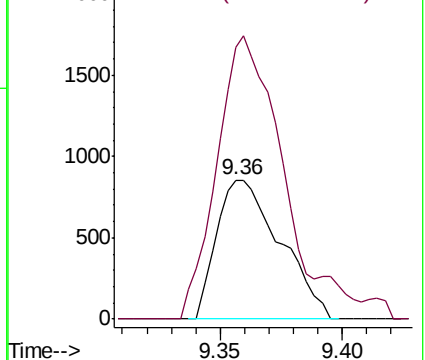
106 100

91 212.8 160.1 240.1



Abundance Ion 106.00 (105.70 to 106.70): V

2000 Ion 91.00 (90.70 to 91.70): VU0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034327.D

Acq: 06 Sep 2019 13:52

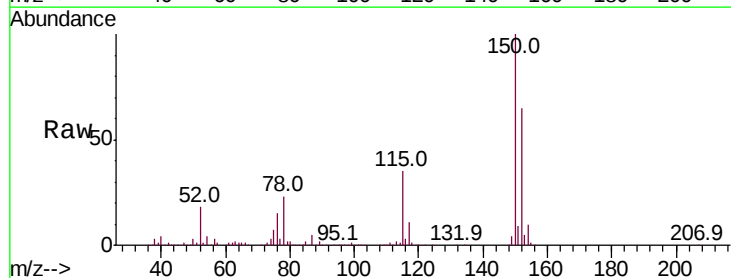
Tgt Ion:152 Resp: 307215

Ion Ratio Lower Upper

152 100

115 54.9 39.1 117.3

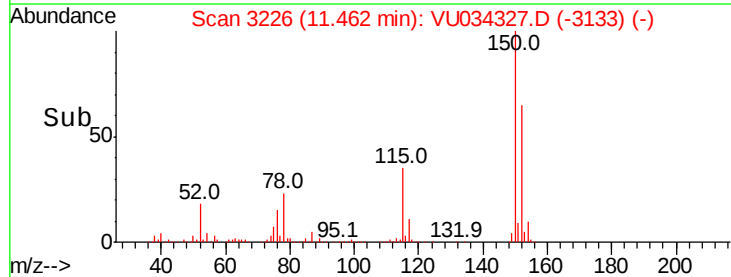
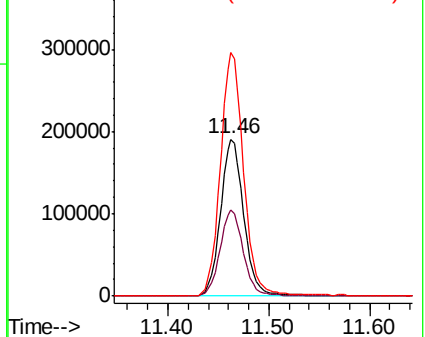
150 155.0 0.0 345.4

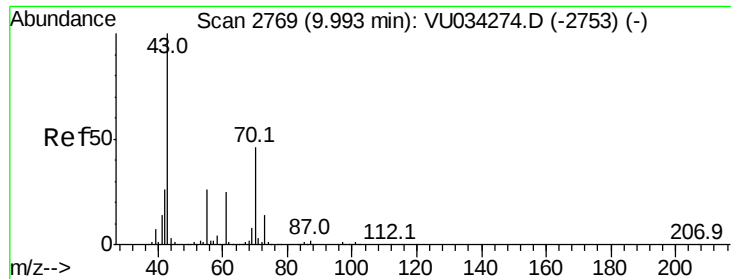


Abundance Ion 151.90 (151.60 to 152.60): V

400000 Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.370 ug/l

RT: 10.02 min Scan# 2776

Delta R.T. 0.02 min

Lab File: VU034327.D

Acq: 06 Sep 2019 13:52

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 43 Resp: 2979

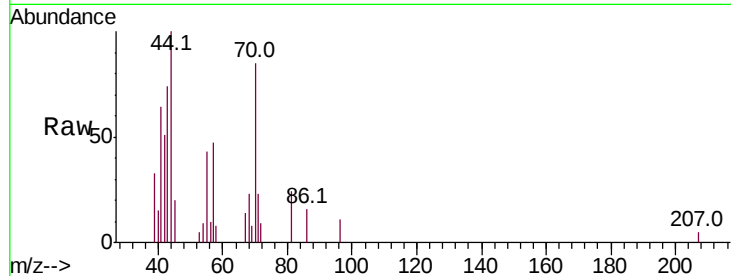
Ion Ratio Lower Upper

43 100

70 111.2 36.4 54.6#

55 81.7 21.2 31.8#

61 0.0 20.4 30.6#

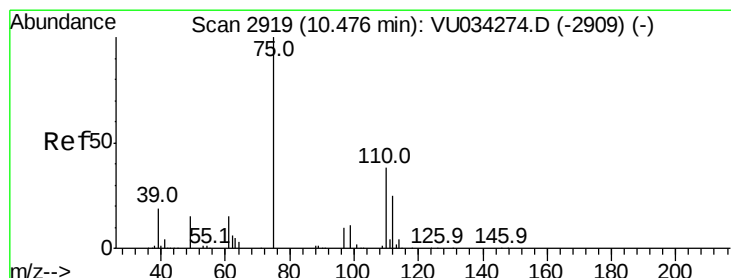
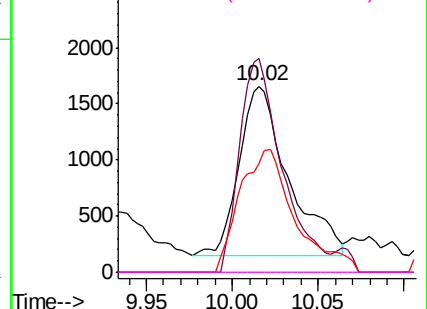
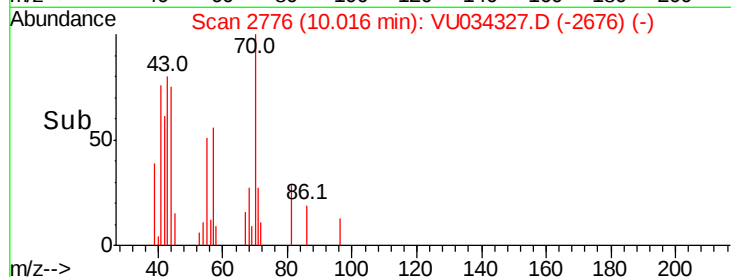


Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-2753) (-)

Ion 70.00 (69.70 to 70.70): VU034274.D (-2753) (-)

Ion 55.00 (54.70 to 55.70): VU034274.D (-2753) (-)

Ion 61.00 (60.70 to 61.70): VU034274.D (-2753) (-)



#76

1,2,3-Trichloropropane

Concen: 21.761 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU034327.D

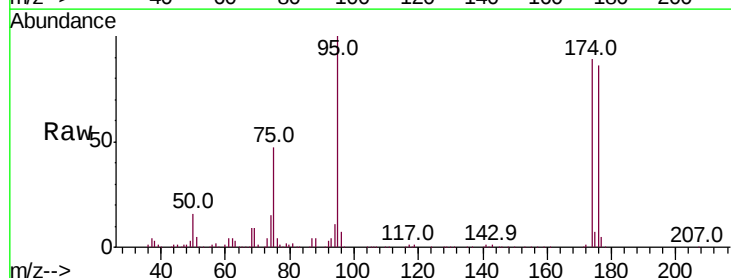
Acq: 06 Sep 2019 13:52

Tgt Ion: 75 Resp: 145928

Ion Ratio Lower Upper

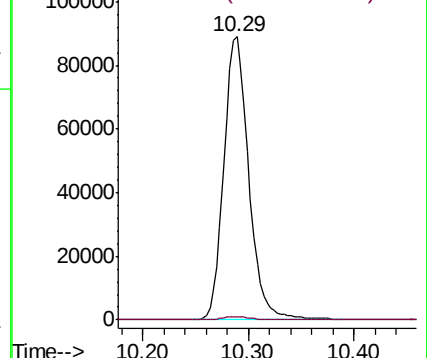
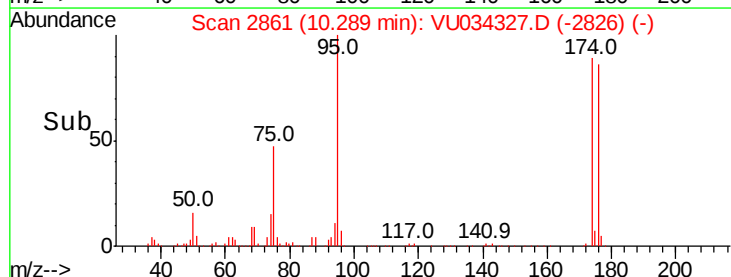
75 100

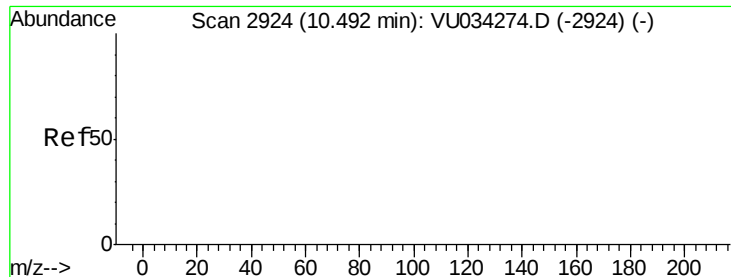
77 1.3 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VU034274.D (-2909) (-)

Ion 77.00 (76.70 to 77.70): VU034274.D (-2909) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 73.181 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.20 min

Lab File: VU034327.D

Acq: 06 Sep 2019 13:52

Instrument :

MSVOA_U

ClientSampled :

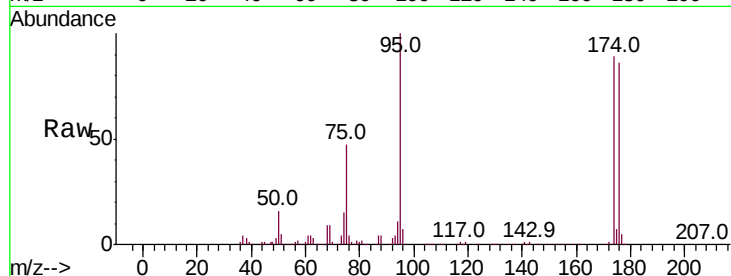
Tot Ion: 75 Resp: 145928

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0#

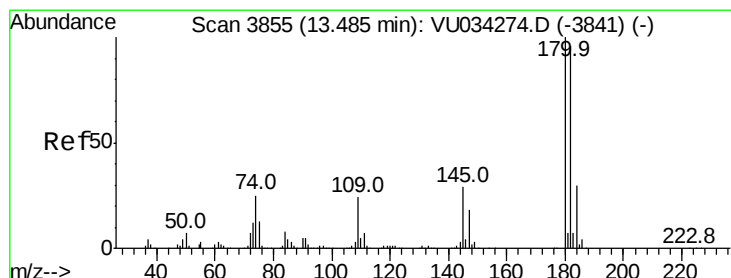
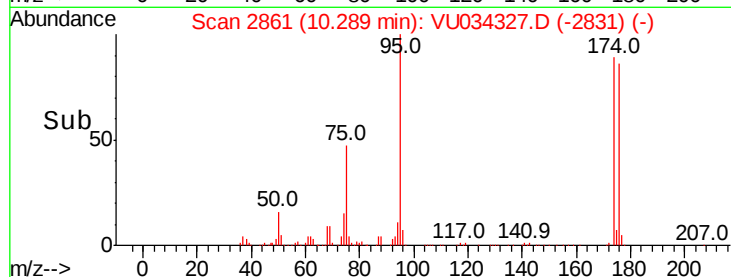
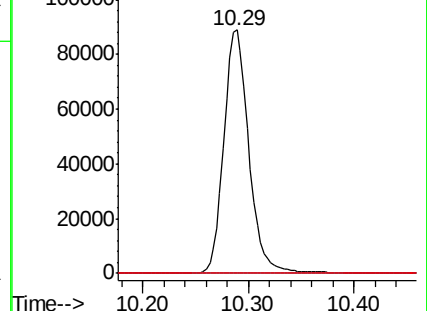
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#93

1,2,4-Trichlorobenzene

Concen: 3.524 ug/l

RT: 13.49 min Scan# 3858

Delta R.T. 0.01 min

Lab File: VU034327.D

Acq: 06 Sep 2019 13:52

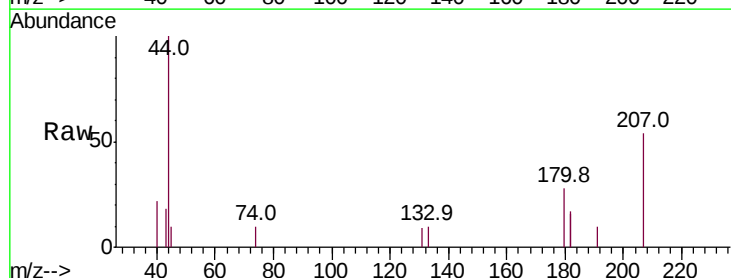
Tgt Ion:180 Resp: 568

Ion Ratio Lower Upper

180 100

182 97.9 47.9 143.8

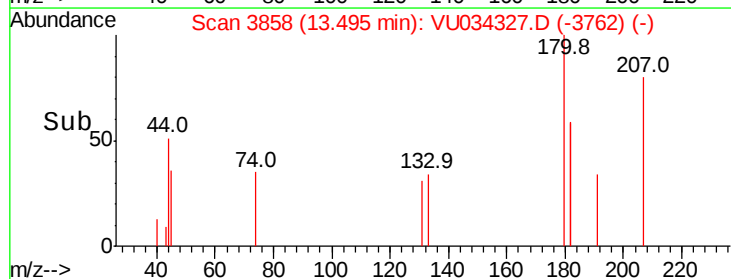
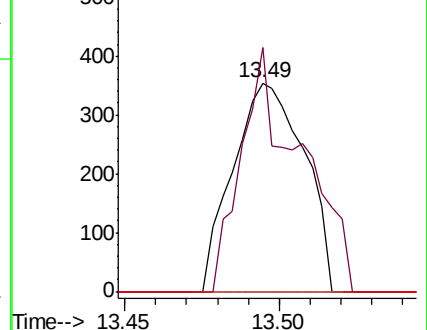
145 0.0 14.4 43.0#

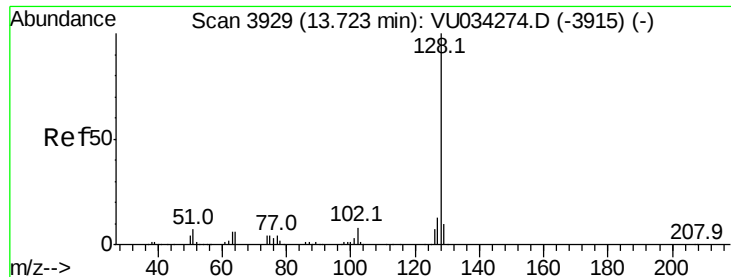


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 9.393 ug/l

RT: 13.73 min Scan# 3931

Delta R.T. 0.01 min

Lab File: VU034327.D

Acq: 06 Sep 2019 13:52

Instrument :

MSVOA_U

ClientSampleId :

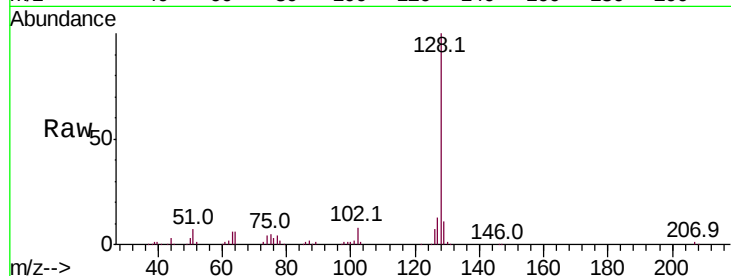
Tot Ion:128 Resp: 120697

Ion Ratio Lower Upper

128 100

127 12.3 10.6 15.8

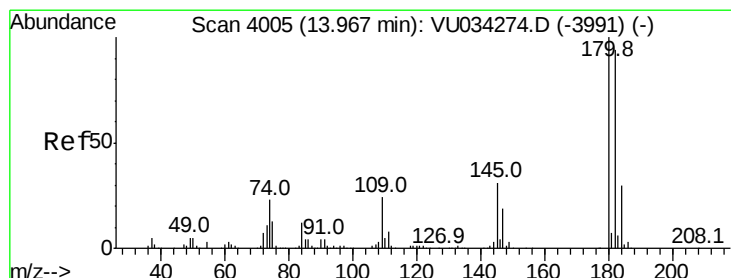
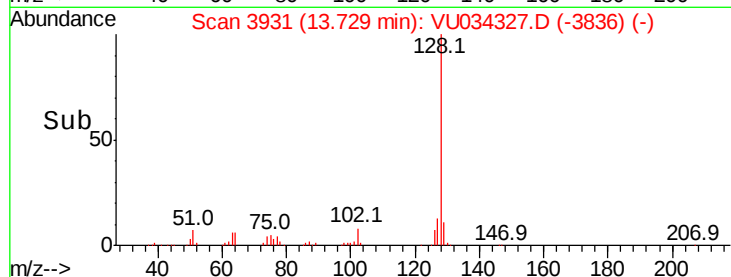
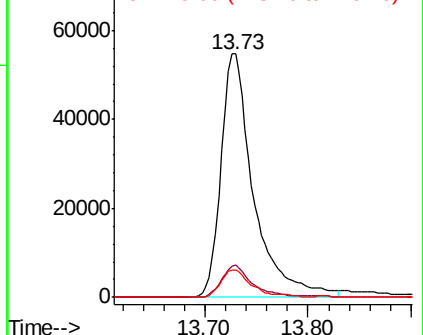
129 10.8 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.702 ug/l

RT: 13.99 min Scan# 4012

Delta R.T. 0.02 min

Lab File: VU034327.D

Acq: 06 Sep 2019 13:52

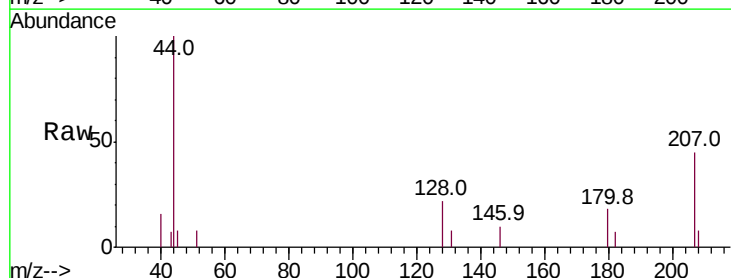
Tgt Ion:180 Resp: 470

Ion Ratio Lower Upper

180 100

182 34.9 48.4 145.0#

145 28.7 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

