

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011619\
 Data File : VU029210.D
 Acq On : 16 Jan 2019 15:30
 Operator : JC/SP
 Sample : K1012-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EO-01-011518-C

Quant Time: Jan 17 01:00:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	107591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	192825	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	184210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	76817	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	75453	56.73	ug/l	0.00
Spiked Amount			Recovery	=	113.46%	
35) Dibromofluoromethane	4.88	113	66041	52.83	ug/l	0.00
Spiked Amount			Recovery	=	105.66%	
50) Toluene-d8	7.56	98	251501	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
62) 4-Bromofluorobenzene	10.30	95	79123	44.62	ug/l	0.00
Spiked Amount			Recovery	=	89.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	739	Below Cal		92
11) Tert butyl alcohol	2.84	59	697	2.062	ug/l #	73
13) Acrolein	2.20	56	65	0.256	ug/l	91
14) Allyl chloride	2.70	41	4704	2.298	ug/l #	29
16) Acetone	2.32	43	7232	8.631	ug/l	95
17) Carbon Disulfide	2.47	76	19	Below Cal	#	75
18) Methyl Acetate	2.62	43	1843	0.946	ug/l #	83
20) Methylene Chloride	2.70	84	123669	86.934	ug/l	98
24) 1,1-Dichloroethane	3.45	63	4765	2.040	ug/l #	96
25) 2-Butanone	4.28	43	958	0.847	ug/l	93
31) Cyclohexane	4.98	56	1991	Below Cal	#	21
32) 1,1,1-Trichloroethane	4.91	97	281477	153.108	ug/l	99
36) 1,1-Dichloropropene	4.98	75	8130	4.218	ug/l #	47
38) Carbon Tetrachloride	4.98	117	9622	5.986	ug/l #	18
43) Isopropyl Acetate	5.55	43	10217	3.148	ug/l	97
44) Trichloroethene	6.19	130	1054	0.708	ug/l	77
45) 1,2-Dichloropropane	6.70	63	714	0.450	ug/l #	43
48) Methyl methacrylate	6.70	41	57005	36.074	ug/l #	36
51) 4-Methyl-2-Pentanone	7.56	43	5272	2.387	ug/l	96
52) Toluene	7.64	92	3417	0.934	ug/l	90
54) cis-1,3-Dichloropropene	7.42	75	25385	10.466	ug/l #	60
57) 1,3-Dichloropropane	8.41	76	5213	2.078	ug/l #	42
59) 2-Hexanone	8.31	43	8523	4.916	ug/l #	21
67) Ethyl Benzene	9.25	91	7613	1.104	ug/l	97
68) m/p-Xylenes	9.37	106	16798	6.271	ug/l	97
69) o-Xylene	9.78	106	13147	5.094	ug/l	100
73) Isopropylbenzene	10.16	105	5254	0.924	ug/l	97
76) 1,2,3-Trichloropropane	10.30	75	38665	20.543	ug/l #	35
78) n-propylbenzene	10.59	91	14468	2.159	ug/l	95
79) 2-Chlorotoluene	10.68	91	6032	1.484	ug/l #	41
80) 1,3,5-Trimethylbenzene	10.77	105	24243	5.106	ug/l	96
81) trans-1,4-Dichloro-2-buten	10.30	75	38665	52.982	ug/l #	100
82) 4-Chlorotoluene	10.77	91	2486	0.533	ug/l #	44
84) 1,2,4-Trimethylbenzene	11.15	105	105036	22.157	ug/l	99

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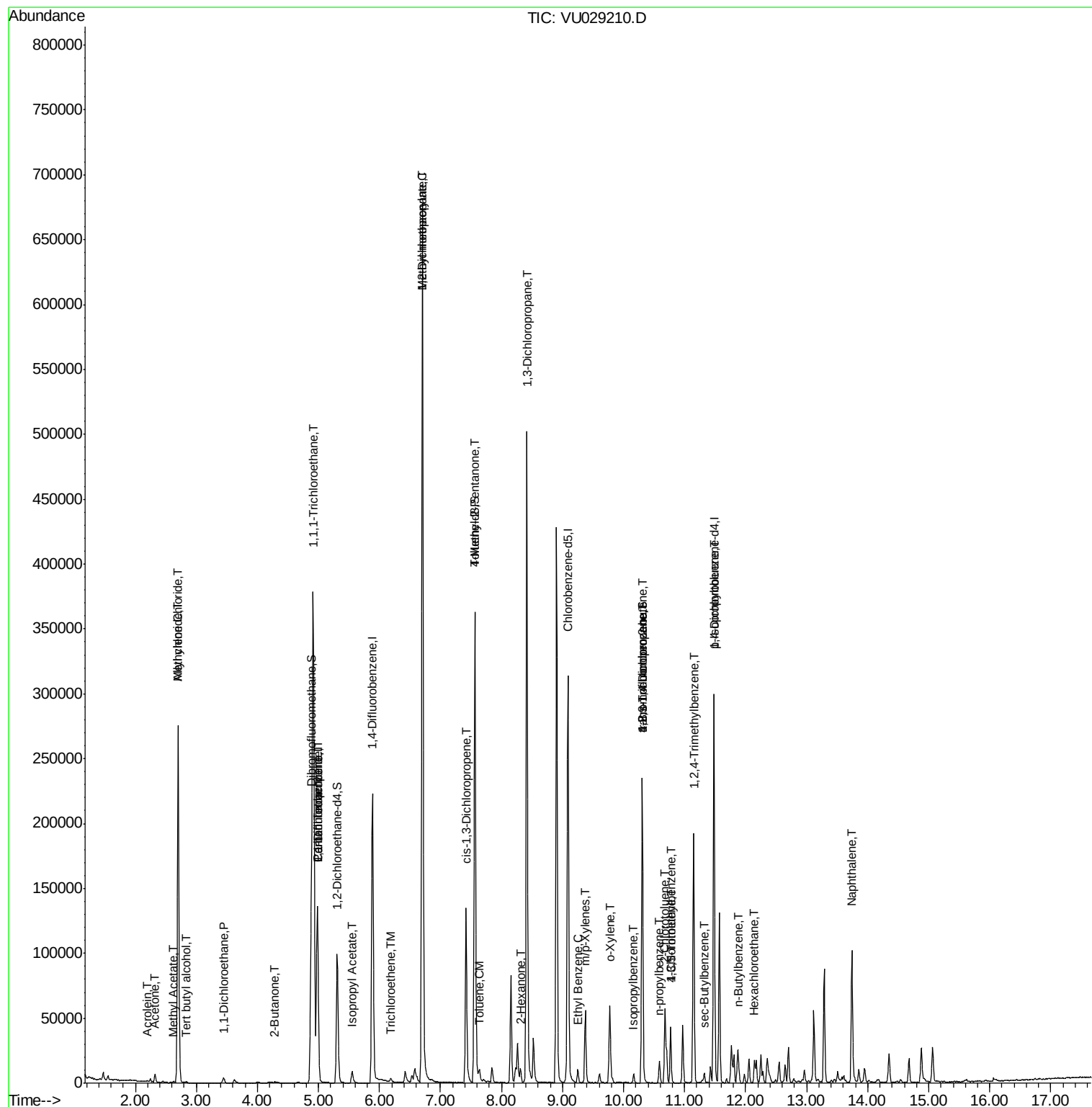
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	11.32	105	5957	1.053	ug/l	90
86) p-Isopropyltoluene	11.48	119	5656	1.173	ug/l	94
89) n-Butylbenzene	11.89	91	6990	1.624	ug/l #	46
90) Hexachloroethane	12.14	117	947	1.167	ug/l #	7
95) Naphthalene	13.74	128	85892	14.449	ug/l	99

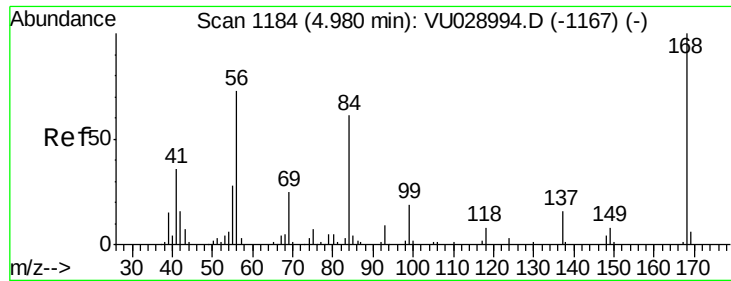
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU011619\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU029210.D

Acq: 16 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

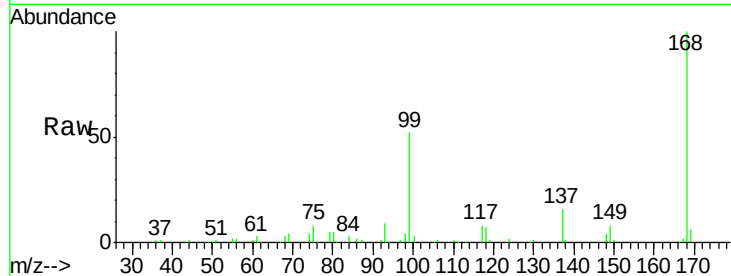
EO-01-011518-C

Tot Ion:168 Resp: 107591

Ion Ratio Lower Upper

168 100

99 51.0 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

80000

60000

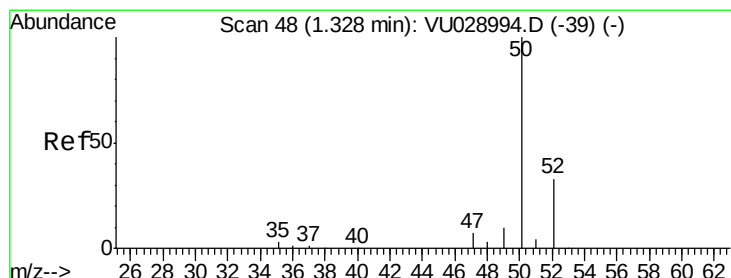
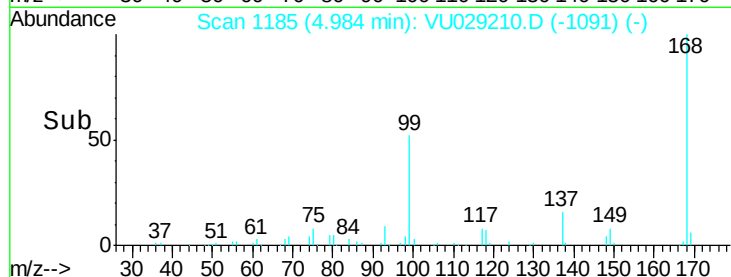
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU029210.D

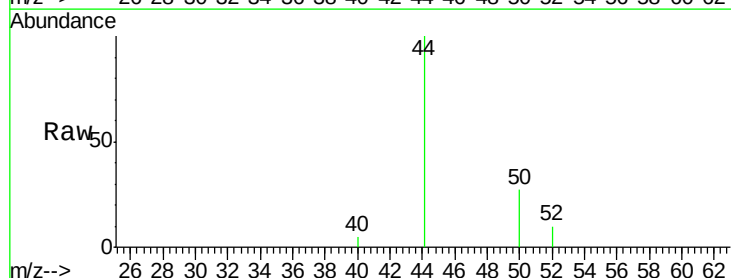
Acq: 16 Jan 2019 15:30

Tgt Ion: 50 Resp: 739

Ion Ratio Lower Upper

50 100

52 37.0 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VU028994.D (-39) (-)

Ion 51.90 (51.60 to 52.60): VU028994.D (-39) (-)

800

600

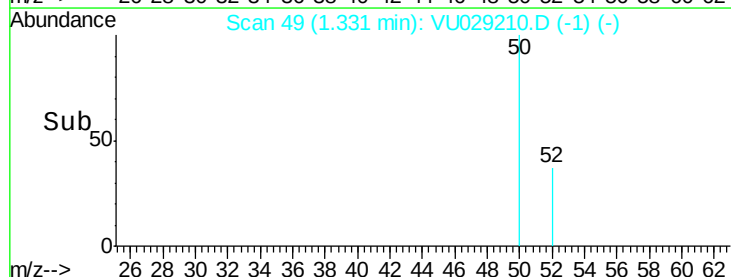
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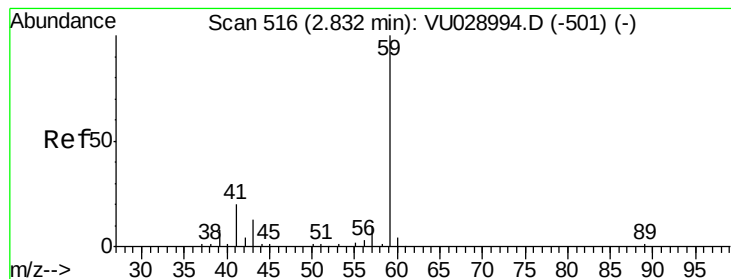
200

0

1.30 1.32 1.34 1.36

Time-->





#11

Tert butyl alcohol

Concen: 2.062 ug/l

RT: 2.84 min Scan# 518

Delta R.T. 0.01 min

Lab File: VU029210.D

Acq: 16 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

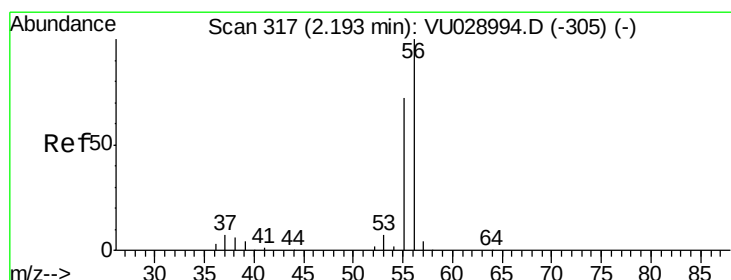
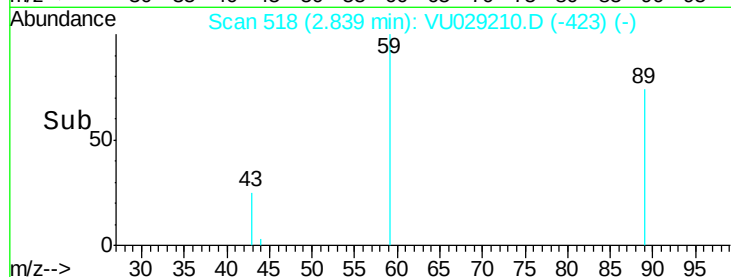
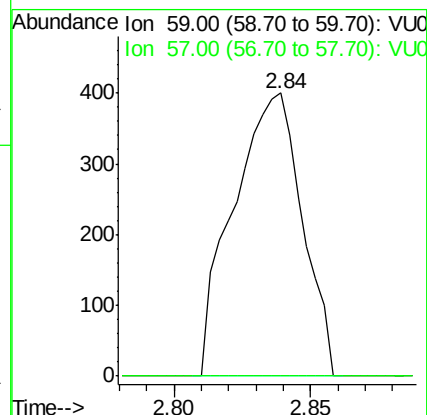
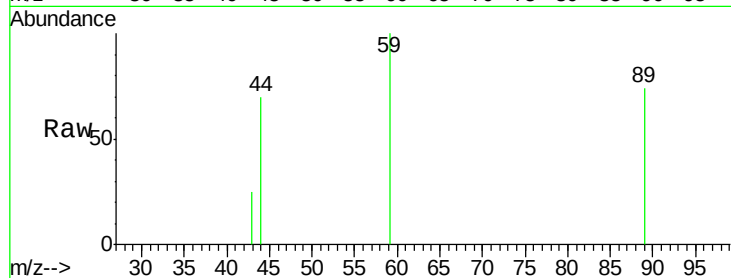
EO-01-011518-C

Tot Ion: 59 Resp: 697

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



#13

Acrolein

Concen: 0.256 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU029210.D

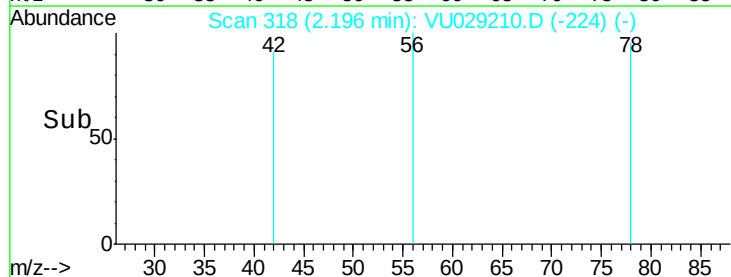
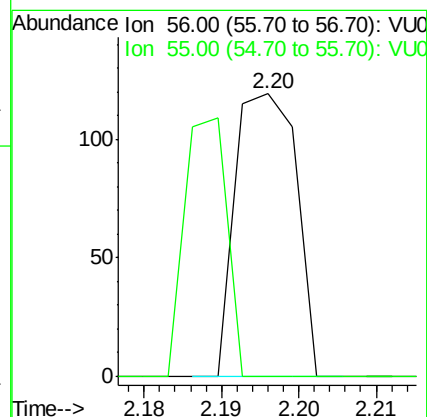
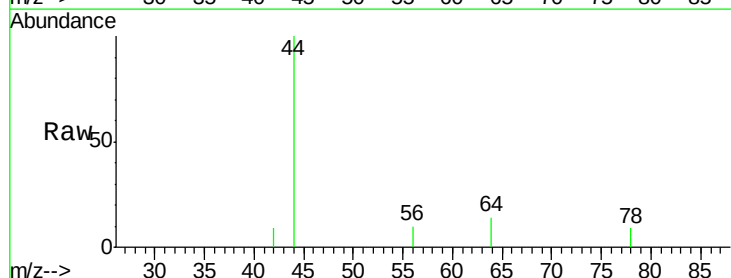
Acq: 16 Jan 2019 15:30

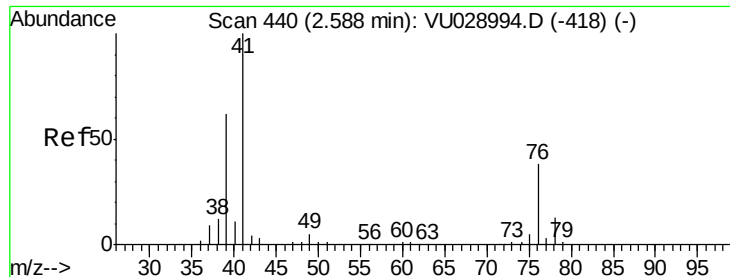
Tgt Ion: 56 Resp: 65

Ion Ratio Lower Upper

56 100

55 63.1 56.5 84.7

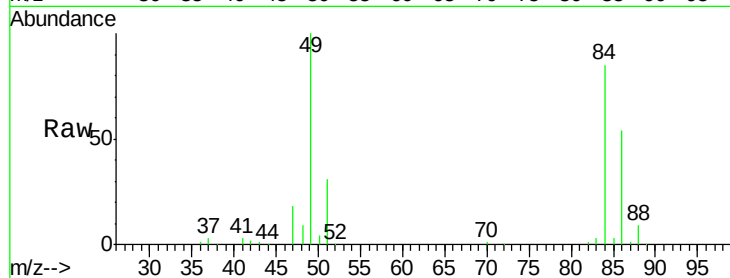




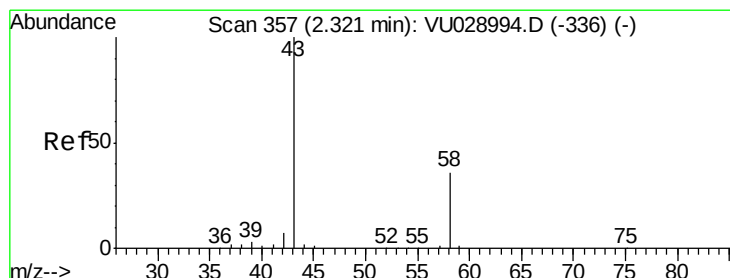
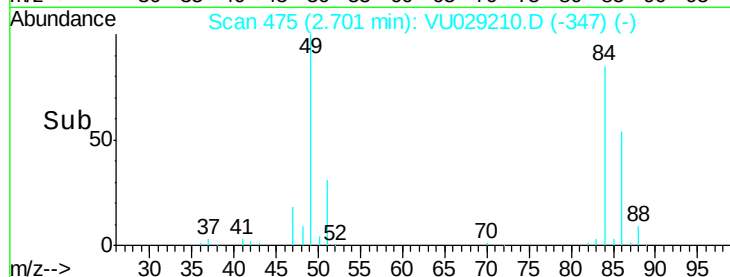
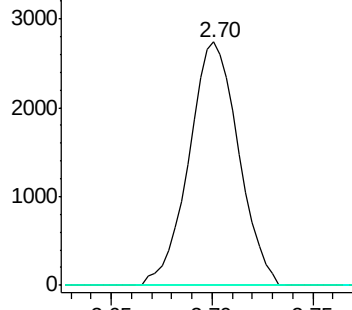
#14
Allvl chloride
Concen: 2.298 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.11 min
Lab File: VU029210.D
Acq: 16 Jan 2019 15:30

Instrument :
MSVOA_U
ClientSampleId :
EO-01-011518-C

Tot Ion: 41 Resp: 4704
Ion Ratio Lower Upper
41 100
39 0.0 45.0 67.6#
76 0.0 28.1 42.1#

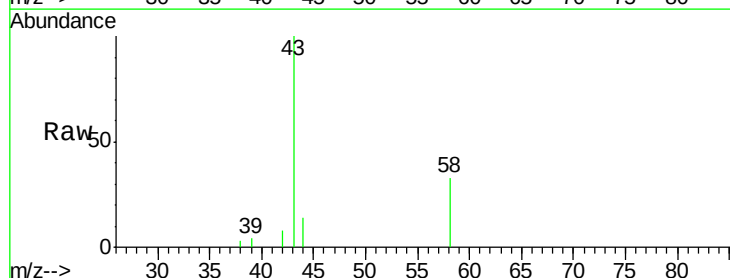


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 75.90 (75.60 to 76.60): VU0

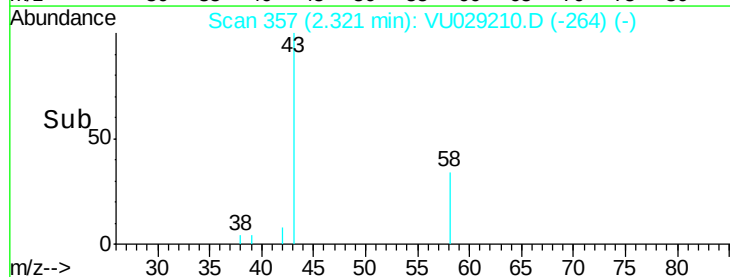
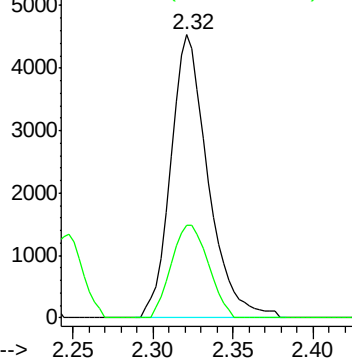


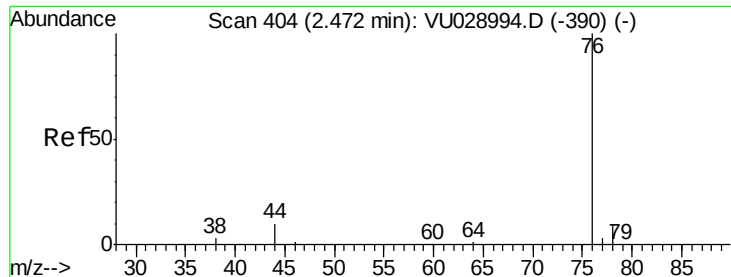
#16
Acetone
Concen: 8.631 ug/l
RT: 2.32 min Scan# 357
Delta R.T. 0.00 min
Lab File: VU029210.D
Acq: 16 Jan 2019 15:30

Tgt Ion: 43 Resp: 7232
Ion Ratio Lower Upper
43 100
58 32.8 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.47 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU029210.D

Acq: 16 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

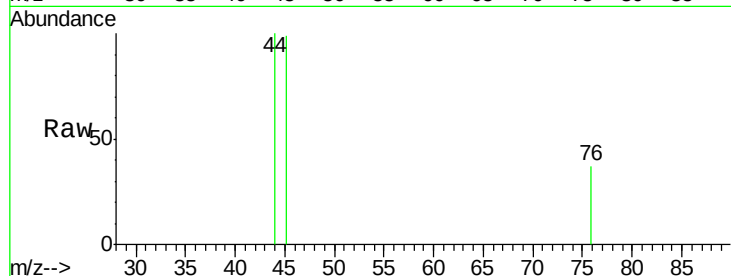
EO-01-011518-C

Tot Ion: 76 Resp: 19

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VU029210.D (-390) (-)

Ion 77.90 (77.60 to 78.60): VU029210.D (-390) (-)

2.47

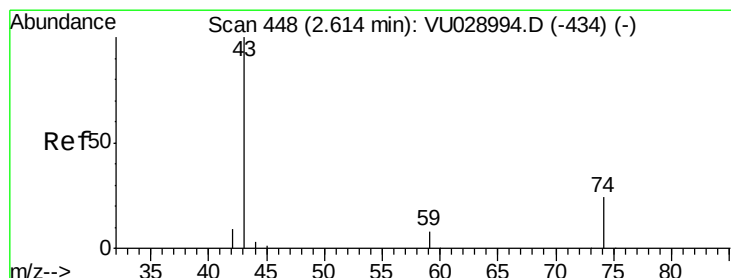
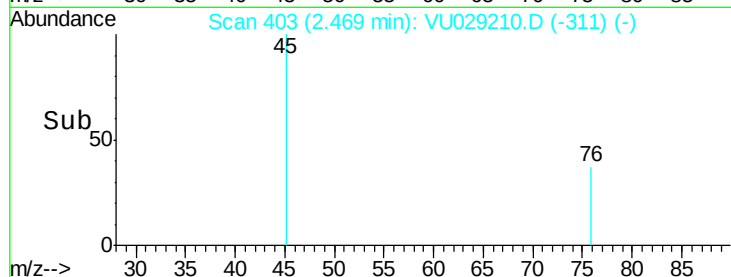
100

50

0

2.46 2.46 2.47 2.48 2.48

Time-->



#18

Methyl Acetate

Concen: 0.946 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU029210.D

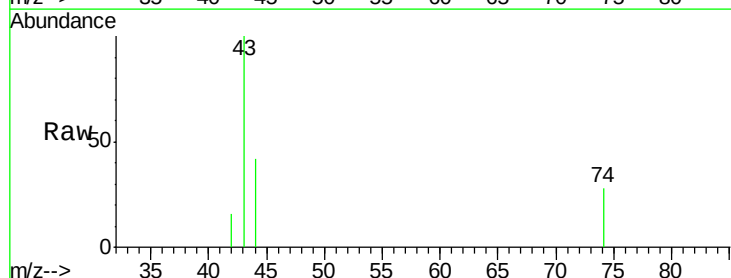
Acq: 16 Jan 2019 15:30

Tgt Ion: 43 Resp: 1843

Ion Ratio Lower Upper

43 100

74 16.1 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VU029210.D (-355) (-)

Ion 74.00 (73.70 to 74.70): VU029210.D (-355) (-)

2.62

1000

800

600

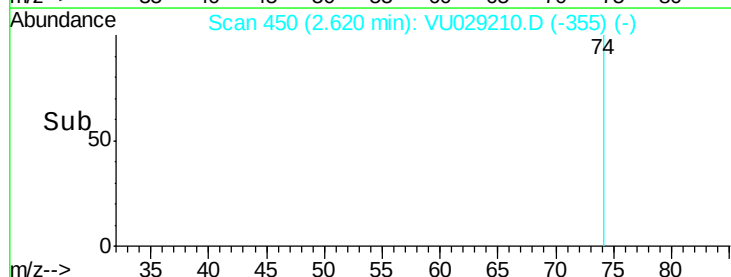
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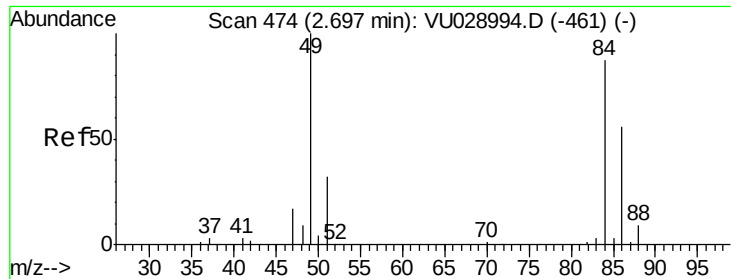
200

0

2.60 2.60 2.65 2.65 2.70 2.70

Time-->

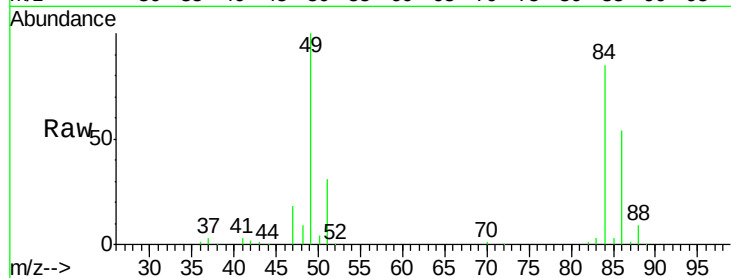




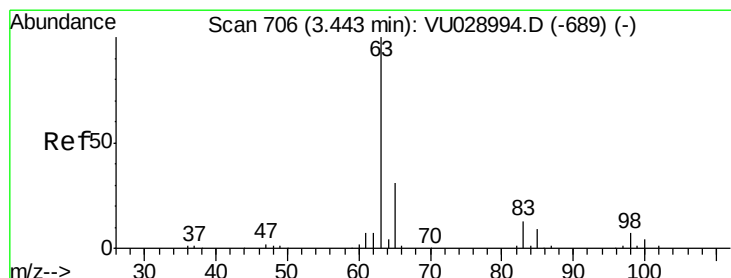
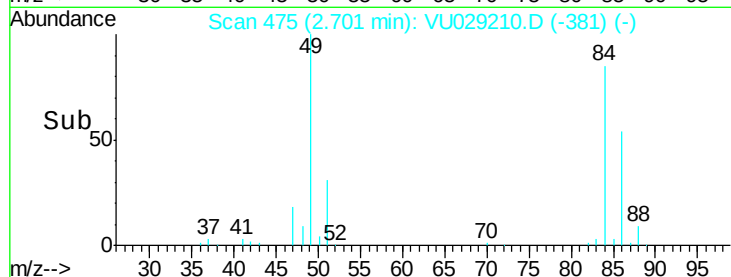
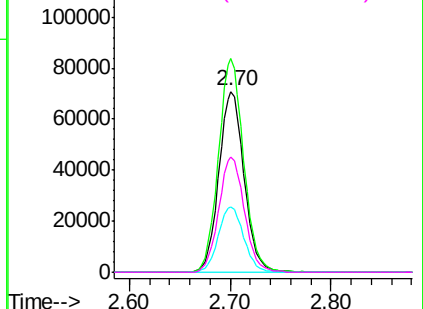
#20
Methylene Chloride
Concen: 86.934 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU029210.D
Acq: 16 Jan 2019 15:30

Instrument :
MSVOA_U
ClientSampleId :
EO-01-011518-C

Tot Ion:	84	Resp:	123669
Ion	Ratio	Lower	Upper
84	100		
49	118.0	91.9	137.9
51	36.4	29.2	43.8
86	64.0	51.8	77.6

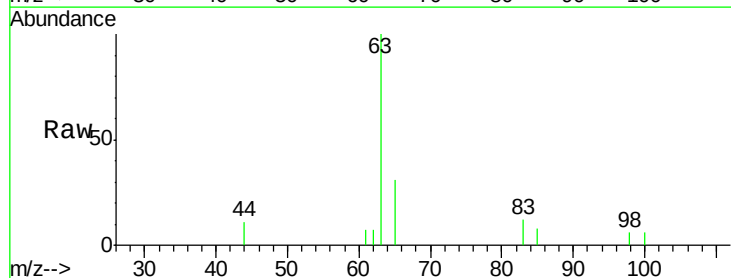


Abundance Ion 83.90 (83.60 to 84.60): VU0
Ion 48.90 (48.60 to 49.60): VU0
Ion 50.90 (50.60 to 51.60): VU0
Ion 85.90 (85.60 to 86.60): VU0

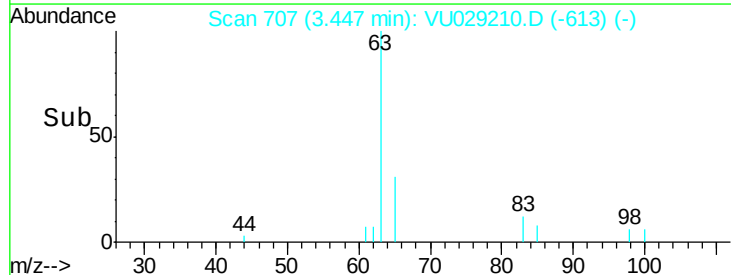
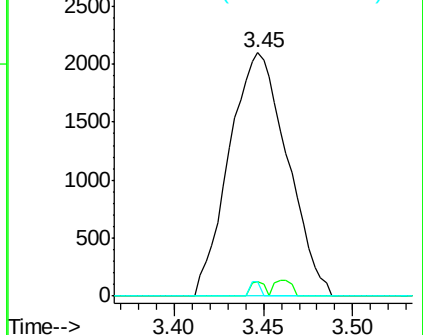


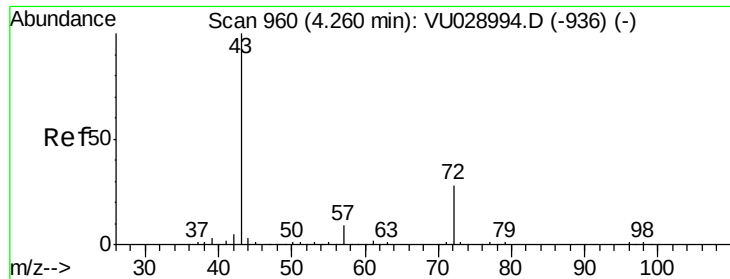
#24
1,1-Dichloroethane
Concen: 2.040 ug/l
RT: 3.45 min Scan# 707
Delta R.T. 0.00 min
Lab File: VU029210.D
Acq: 16 Jan 2019 15:30

Tgt Ion:	63	Resp:	4765
Ion	Ratio	Lower	Upper
63	100		
98	5.8	3.4	10.1
100	6.2	2.0	5.8#



Abundance Ion 62.90 (62.60 to 63.60): VU0
Ion 97.90 (97.60 to 98.60): VU0
Ion 99.90 (99.60 to 100.60): VU0

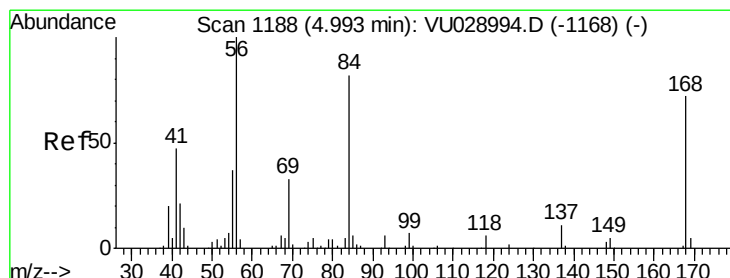
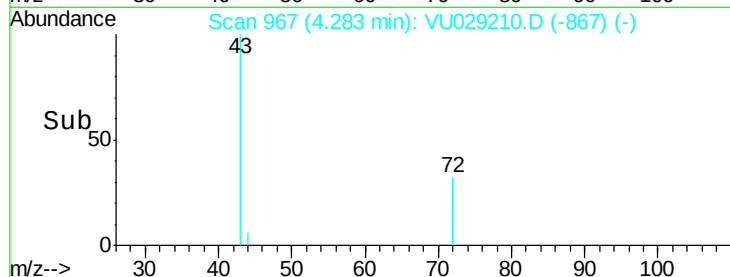
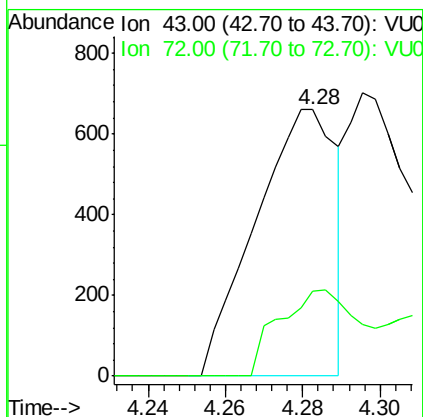
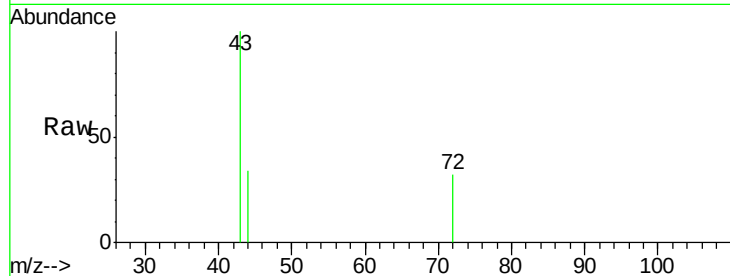




#25
2-Butanone
Concen: 0.847 ug/l
RT: 4.28 min Scan# 967
Delta R.T. 0.02 min
Lab File: VU029210.D
Acq: 16 Jan 2019 15:30

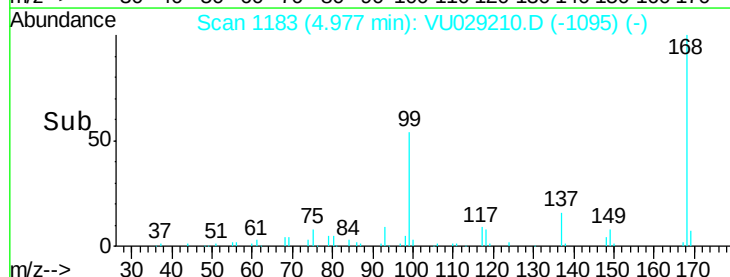
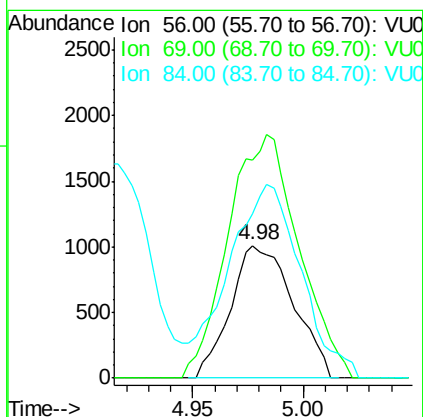
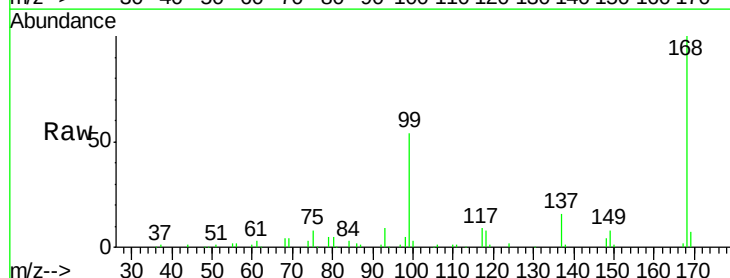
Instrument :
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EO-01-011518-C

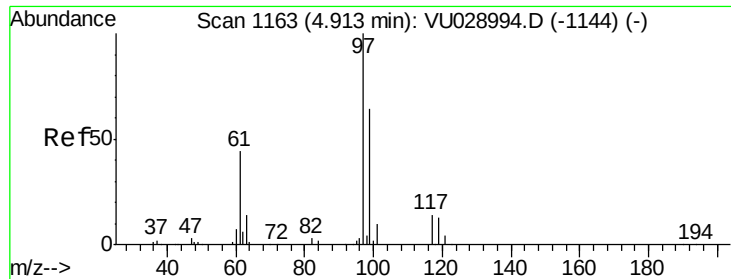
Tot Ion: 43 Resp: 958
Ion Ratio Lower Upper
43 100
72 31.9 22.6 33.8



#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1183
Delta R.T. -0.02 min
Lab File: VU029210.D
Acq: 16 Jan 2019 15:30

Tgt Ion: 56 Resp: 1991
Ion Ratio Lower Upper
56 100
69 153.6 26.7 40.1#
84 104.8 65.7 98.5#





#32

1,1,1-Trichloroethane

Concen: 153.108 ug/l

RT: 4.91 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VU029210.D

Acq: 16 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

EO-01-011518-C

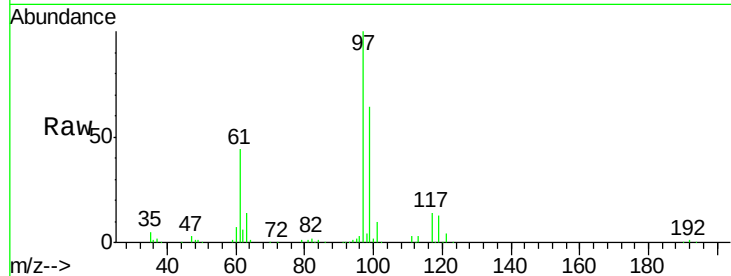
Tot Ion: 97 Resp: 281477

Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.4

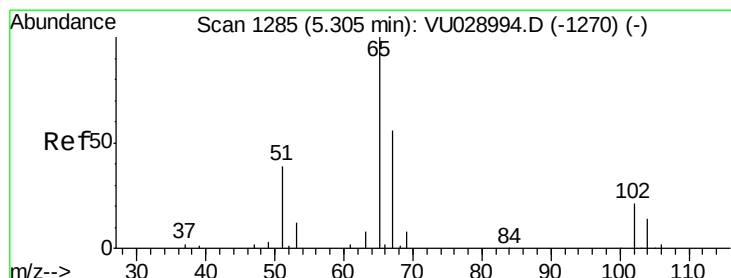
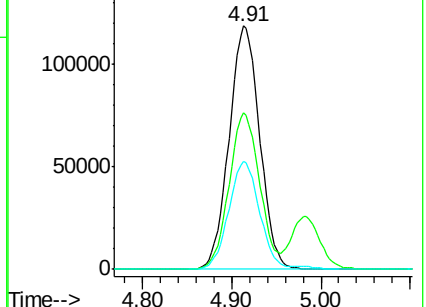
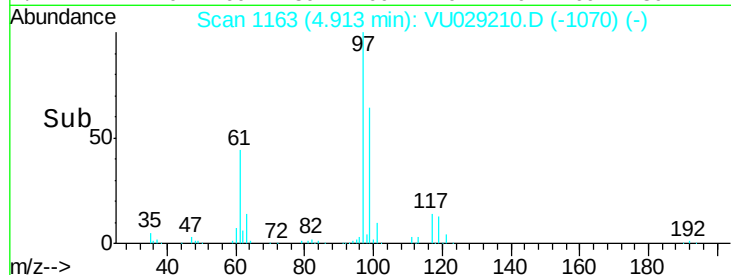
61 44.4 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VU029210.D (-1070) (-)

Ion 98.90 (98.60 to 99.60): VU029210.D (-1070) (-)

Ion 60.90 (60.60 to 61.60): VU029210.D (-1070) (-)



#33

1,2-Dichloroethane-d4

Concen: 56.730 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU029210.D

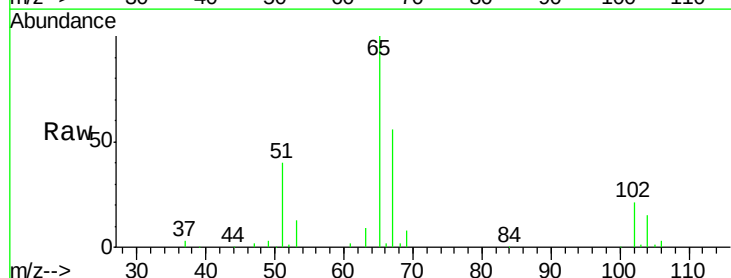
Acq: 16 Jan 2019 15:30

Tgt Ion: 65 Resp: 75453

Ion Ratio Lower Upper

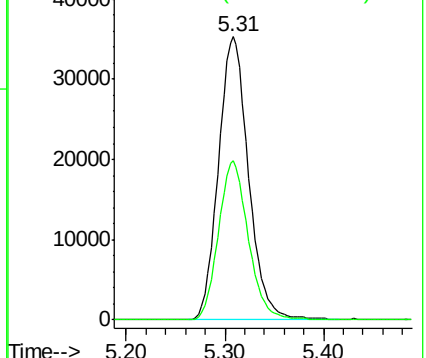
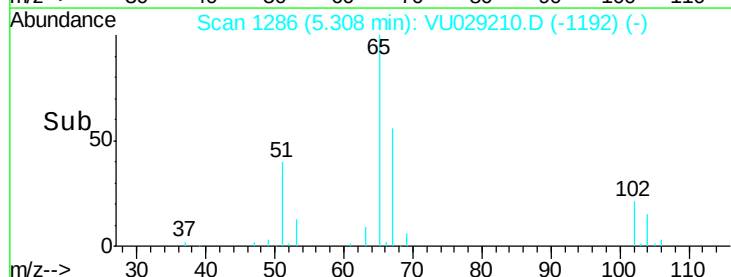
65 100

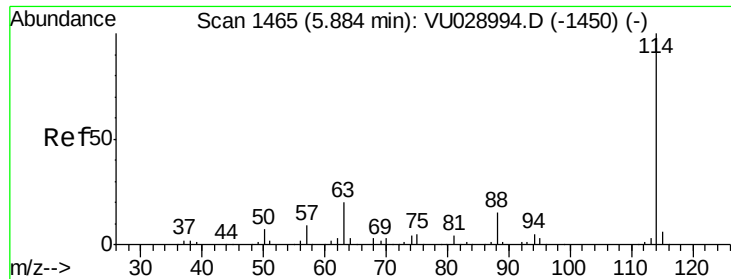
67 55.8 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VU029210.D (-1192) (-)

Ion 66.90 (66.60 to 67.60): VU029210.D (-1192) (-)

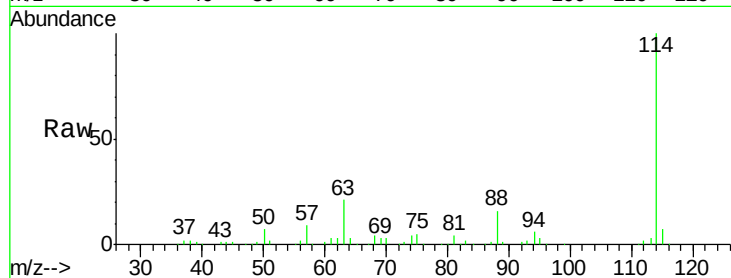




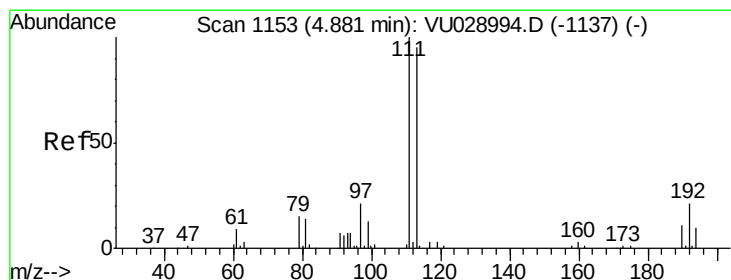
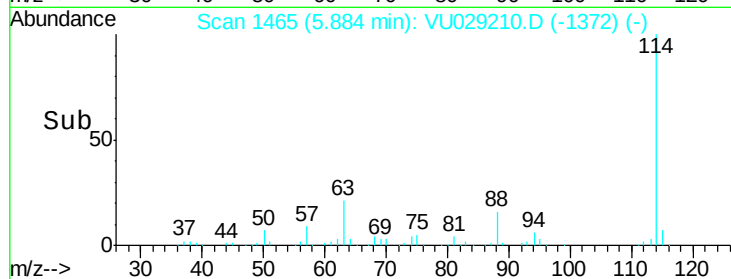
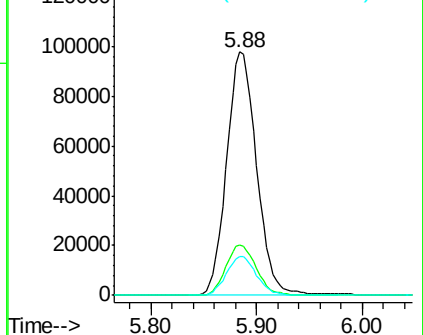
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029210.D
 Acq: 16 Jan 2019 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 EO-01-011518-C

Tot Ion:114 Resp: 192825
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.2
 88 15.8 0.0 30.4

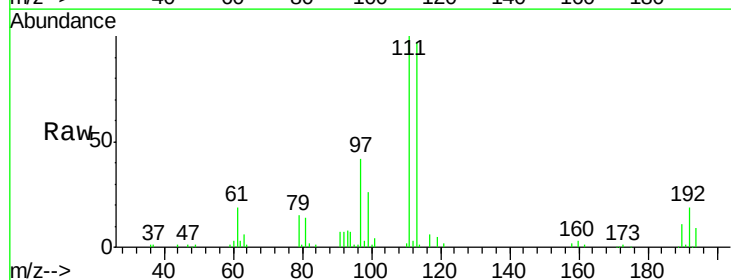


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

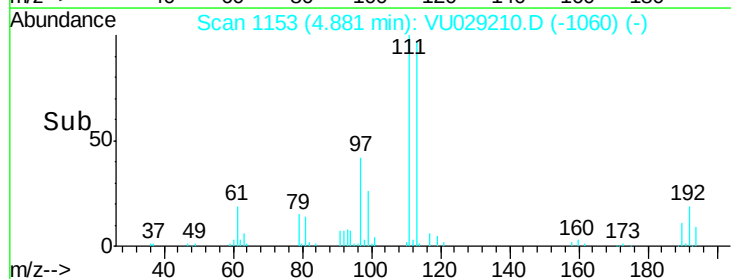
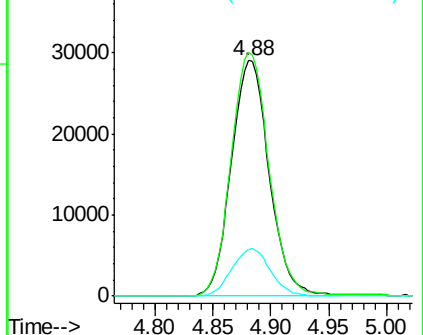


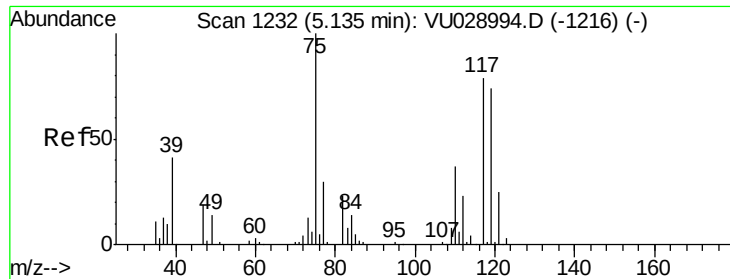
#35
 Dibromofluoromethane
 Concen: 52.835 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029210.D
 Acq: 16 Jan 2019 15:30

Tgt Ion:113 Resp: 66041
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.4 122.2
 192 20.5 16.8 25.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.218 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.15 min

Lab File: VU029210.D

Acq: 16 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

EO-01-011518-C

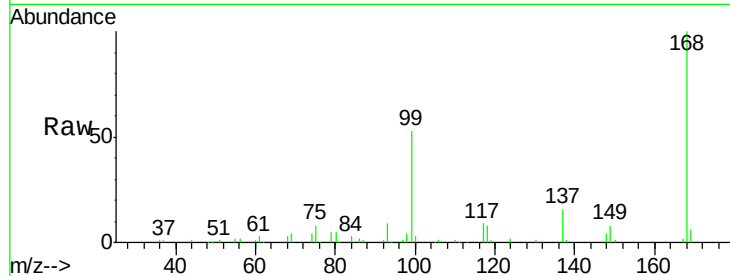
Tot Ion: 75 Resp: 8130

Ion Ratio Lower Upper

75 100

110 7.5 18.4 55.4#

77 0.0 25.1 37.7#

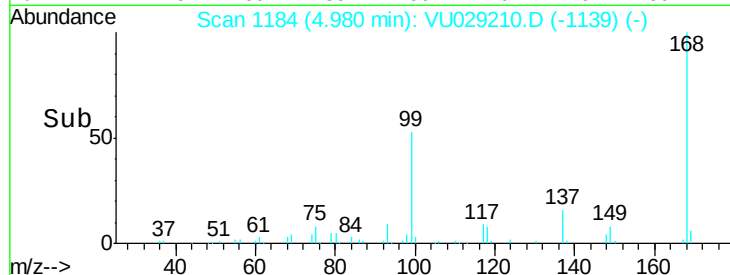


Abundance Ion 74.90 (74.60 to 75.60): VU028994.D (-1216) (-)

Ion 109.90 (109.60 to 110.60): VU028994.D (-1216) (-)

Ion 76.90 (76.60 to 77.60): VU028994.D (-1216) (-)

Time-->



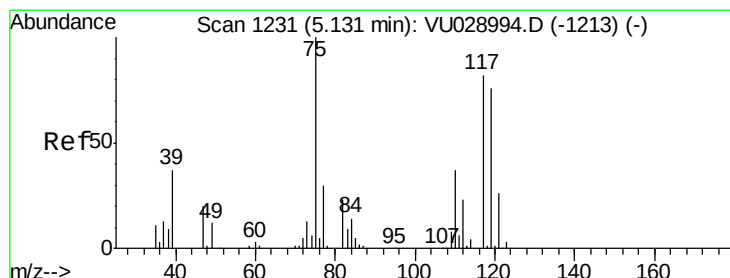
Abundance

Ion 74.90 (74.60 to 75.60): VU028994.D (-1216) (-)

Ion 109.90 (109.60 to 110.60): VU028994.D (-1216) (-)

Ion 76.90 (76.60 to 77.60): VU028994.D (-1216) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.986 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.15 min

Lab File: VU029210.D

Acq: 16 Jan 2019 15:30

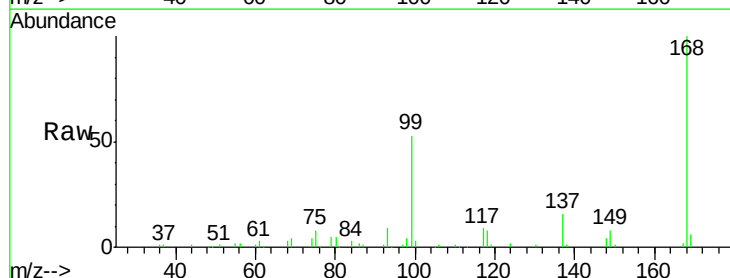
Tgt Ion: 117 Resp: 9622

Ion Ratio Lower Upper

117 100

119 6.8 74.6 111.8#

121 0.0 25.0 37.6#

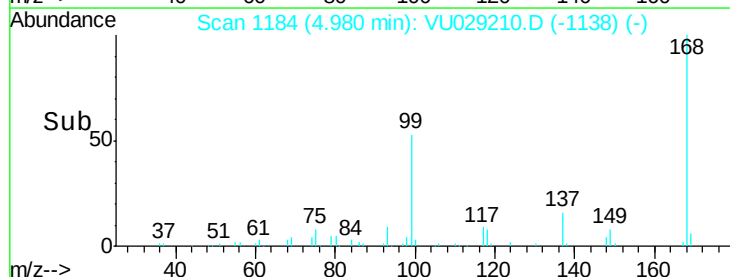


Abundance Ion 116.80 (116.50 to 117.50): VU028994.D (-1213) (-)

Ion 118.80 (118.50 to 119.50): VU028994.D (-1213) (-)

Ion 120.80 (120.50 to 121.50): VU028994.D (-1213) (-)

Time-->



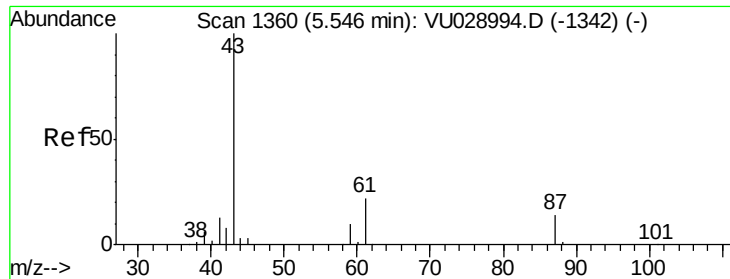
Abundance

Ion 116.80 (116.50 to 117.50): VU028994.D (-1213) (-)

Ion 118.80 (118.50 to 119.50): VU028994.D (-1213) (-)

Ion 120.80 (120.50 to 121.50): VU028994.D (-1213) (-)

Time-->



#43

Isopropyl Acetate

Concen: 3.148 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VU029210.D

Acq: 16 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

EO-01-011518-C

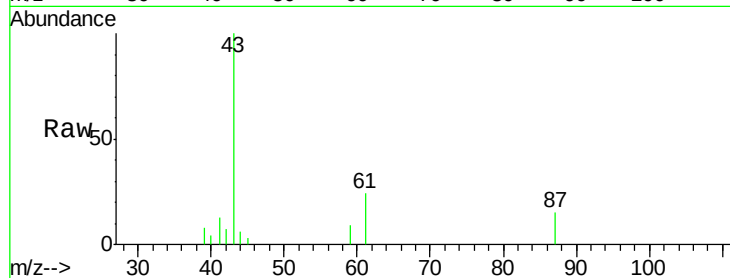
Tot Ion: 43 Resp: 10217

Ion Ratio Lower Upper

43 100

61 21.5 17.8 26.6

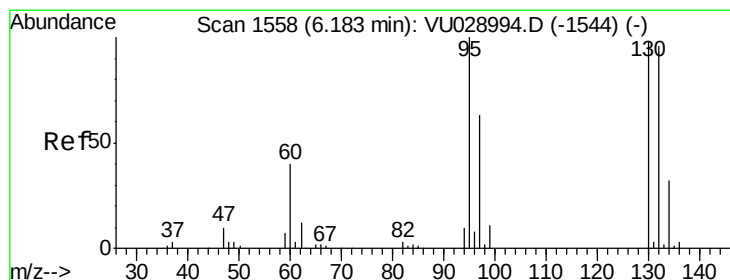
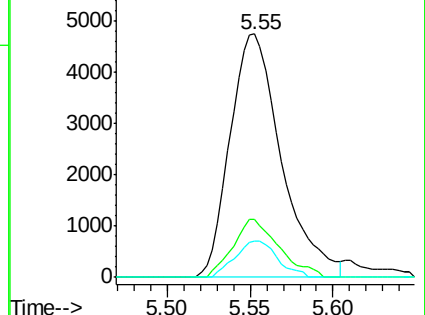
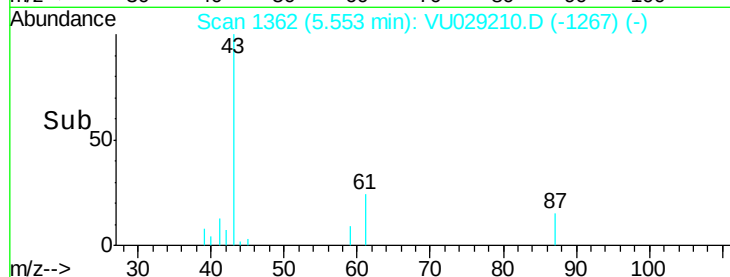
87 12.4 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VU029210.D (-1267) (-)

Ion 61.00 (60.70 to 61.70): VU029210.D (-1267) (-)

Ion 87.00 (86.70 to 87.70): VU029210.D (-1267) (-)



#44

Trichloroethene

Concen: 0.708 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.01 min

Lab File: VU029210.D

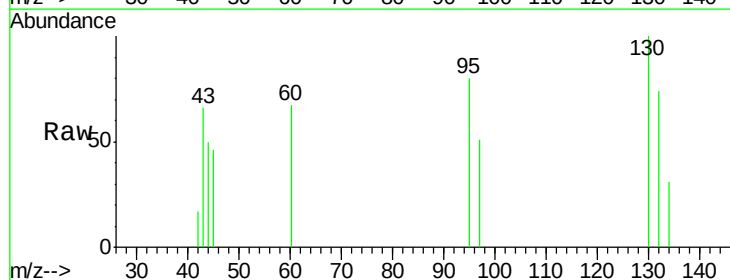
Acq: 16 Jan 2019 15:30

Tgt Ion: 130 Resp: 1054

Ion Ratio Lower Upper

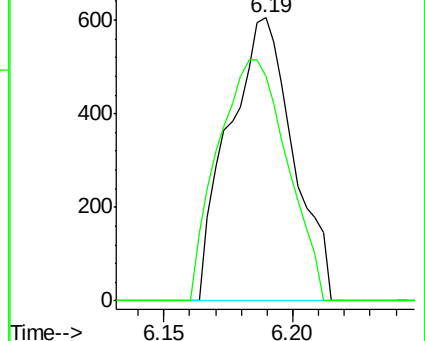
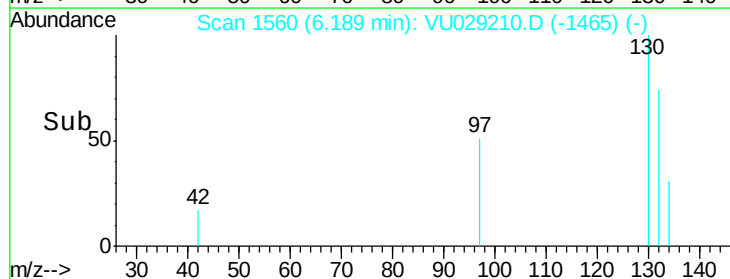
130 100

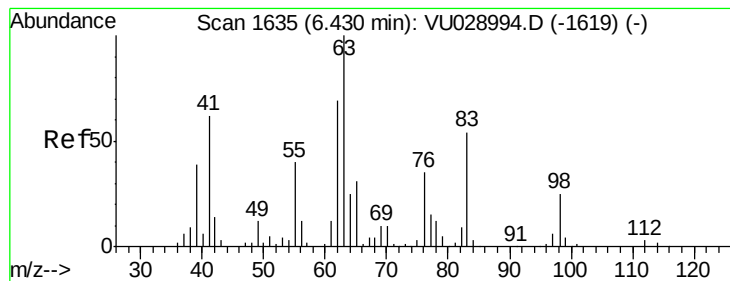
95 79.5 0.0 205.0



Abundance Ion 129.80 (129.50 to 130.50): VU029210.D (-1465) (-)

Ion 94.90 (94.60 to 95.60): VU029210.D (-1465) (-)





#45

1,2-Dichloropropane

Concen: 0.450 ug/l

RT: 6.70 min Scan# 1720

Delta R.T. 0.27 min

Lab File: VU029210.D

Acq: 16 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

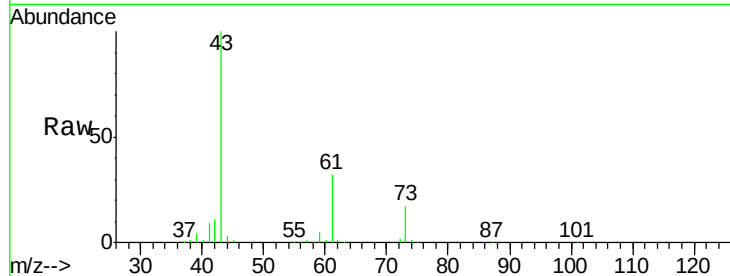
EO-01-011518-C

Tot Ion: 63 Resp: 714

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

6.70

500

400

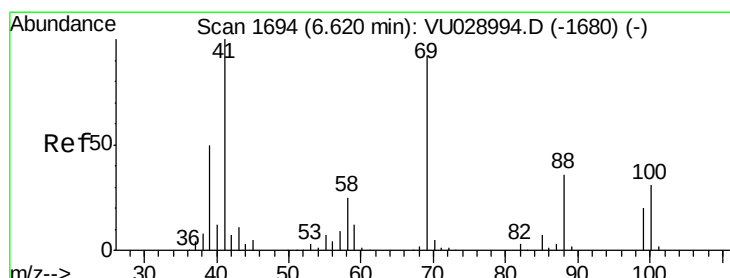
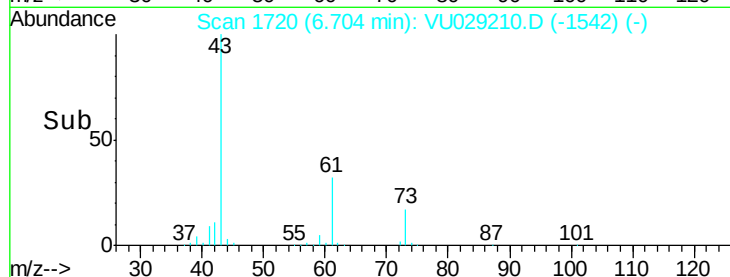
300

200

100

0

Time--> 6.66 6.68 6.70 6.72



#48

Methyl methacrylate

Concen: 36.074 ug/l

RT: 6.70 min Scan# 1720

Delta R.T. 0.08 min

Lab File: VU029210.D

Acq: 16 Jan 2019 15:30

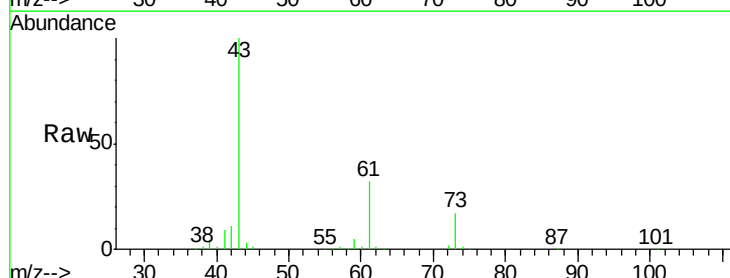
Tgt Ion: 41 Resp: 57005

Ion Ratio Lower Upper

41 100

69 0.0 73.6 110.4#

39 47.7 39.6 59.4



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

6.70

40000

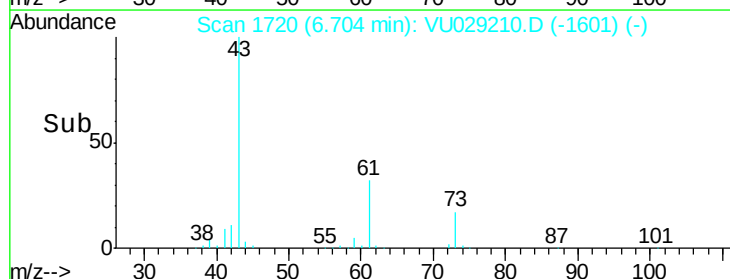
30000

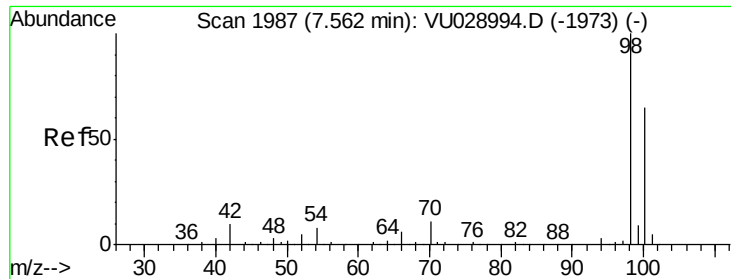
20000

10000

0

Time--> 6.60 6.65 6.70 6.75 6.80

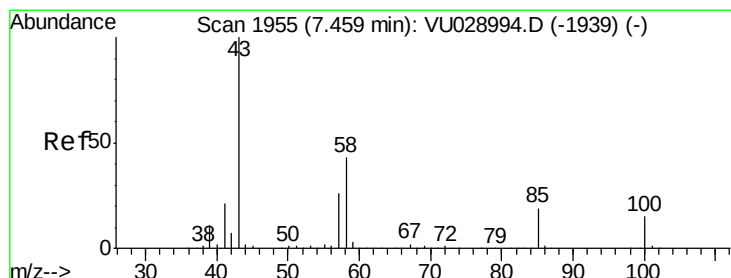
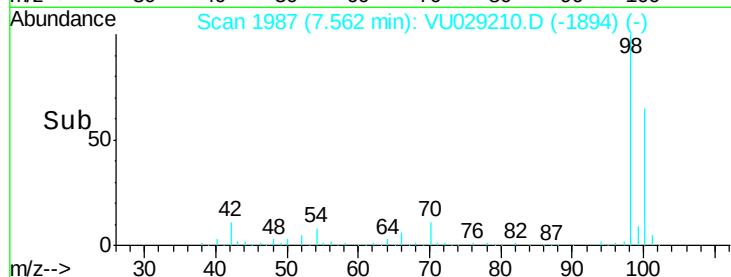
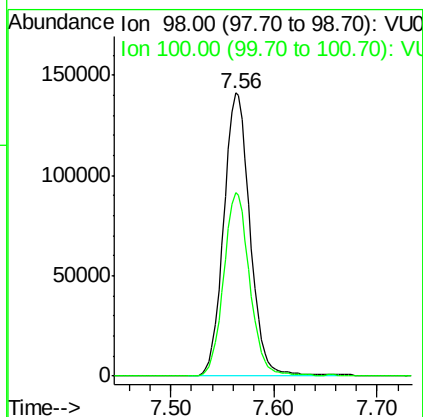
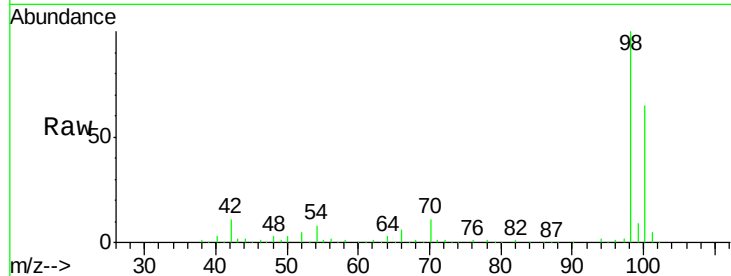




#50
Toluene-d8
Concen: 50.966 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029210.D
Acq: 16 Jan 2019 15:30

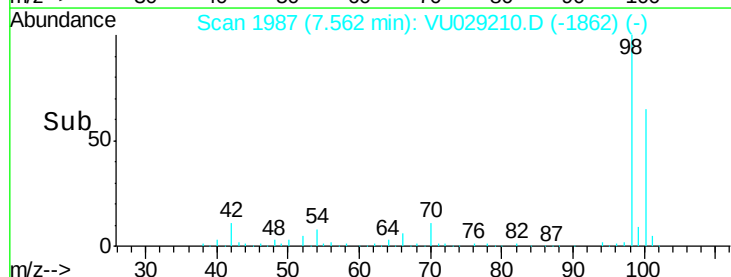
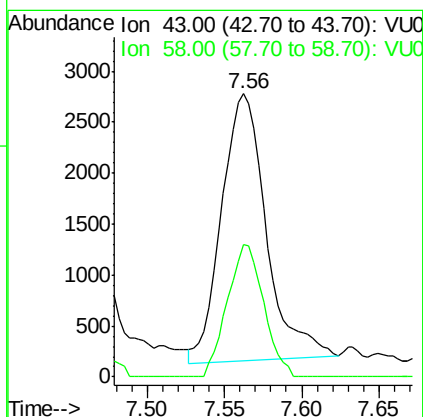
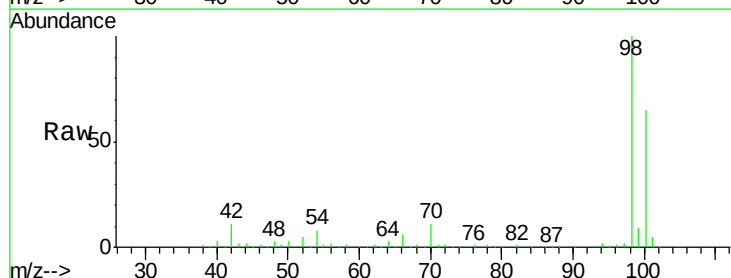
Instrument :
MSVOA_U
ClientSampleId :
EO-01-011518-C

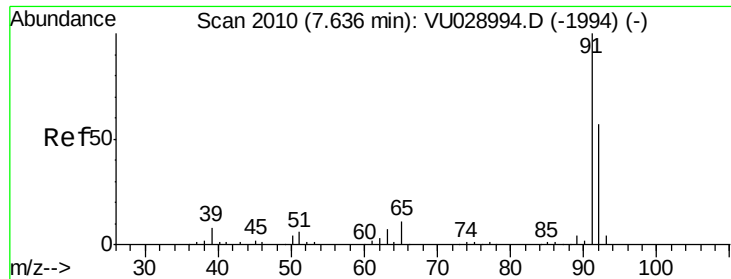
Tot Ion: 98 Resp: 251501
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 2.387 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.10 min
Lab File: VU029210.D
Acq: 16 Jan 2019 15:30

Tgt Ion: 43 Resp: 5272
Ion Ratio Lower Upper
43 100
58 40.0 33.9 50.9





#52

Toluene

Concen: 0.934 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029210.D

Acq: 16 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

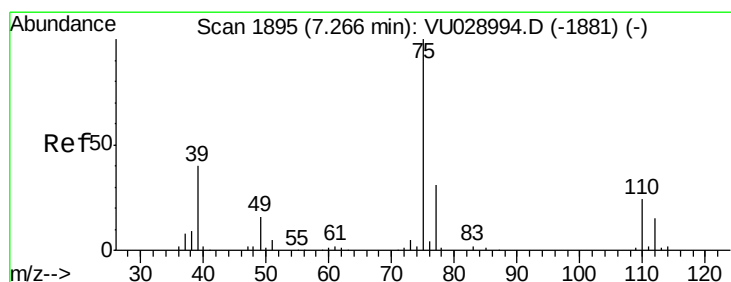
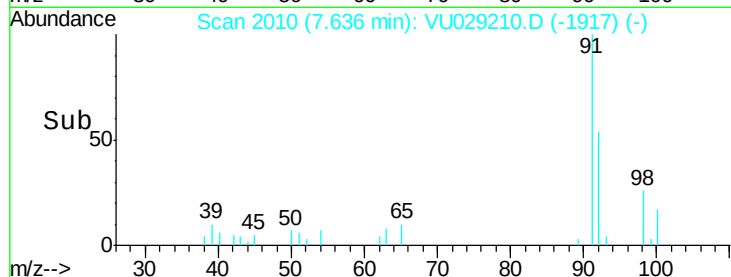
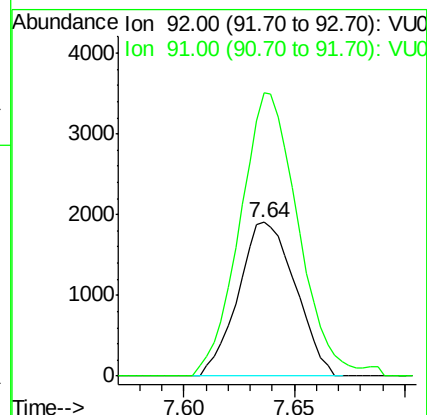
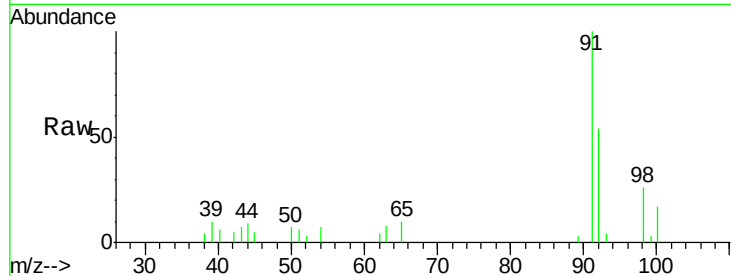
EO-01-011518-C

Tot Ion: 92 Resp: 3417

Ion Ratio Lower Upper

92 100

91 188.6 139.8 209.8



#54

cis-1,3-Dichloropropene

Concen: 10.466 ug/l

RT: 7.42 min Scan# 1943

Delta R.T. 0.15 min

Lab File: VU029210.D

Acq: 16 Jan 2019 15:30

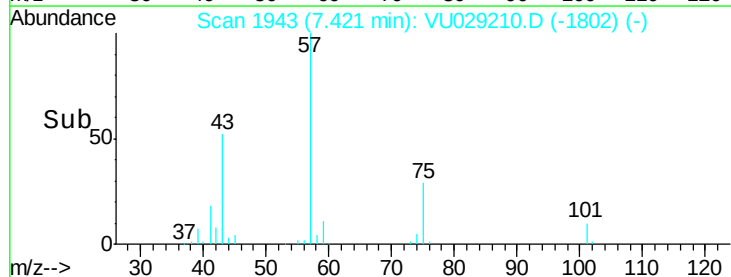
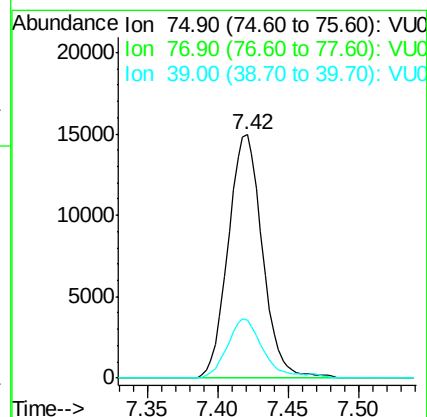
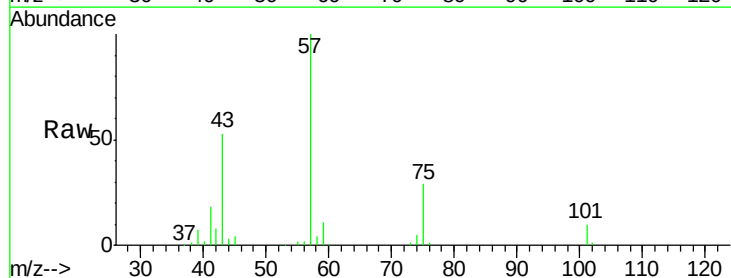
Tgt Ion: 75 Resp: 25385

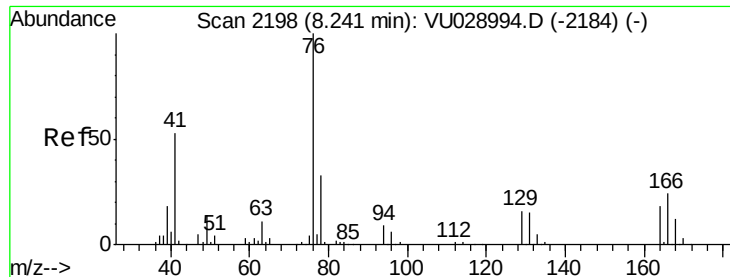
Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#

39 23.6 32.2 48.4#





#57

1,3-Dichloropropane

Concen: 2.078 ug/l

RT: 8.41 min Scan# 2252

Delta R.T. 0.17 min

Lab File: VU029210.D

Acq: 16 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

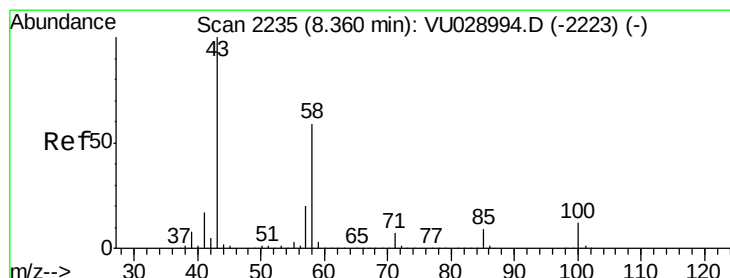
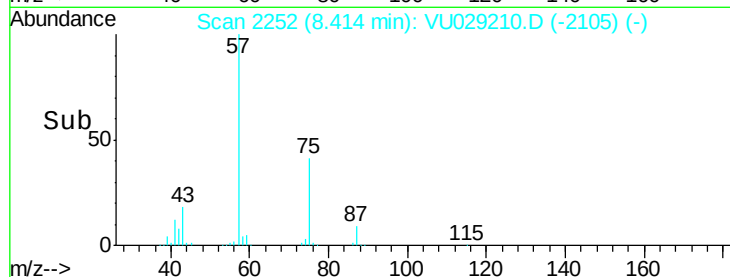
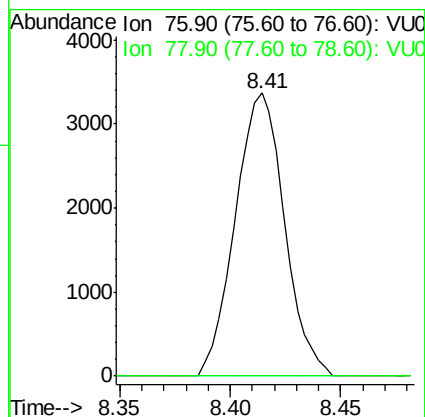
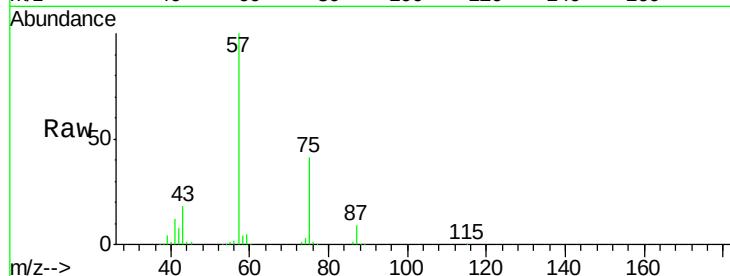
EO-01-011518-C

Tot Ion: 76 Resp: 5213

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 4.916 ug/l

RT: 8.31 min Scan# 2220

Delta R.T. -0.05 min

Lab File: VU029210.D

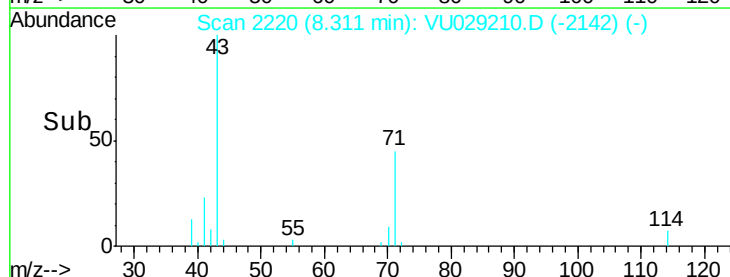
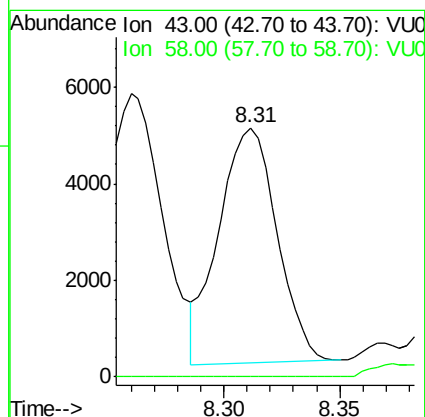
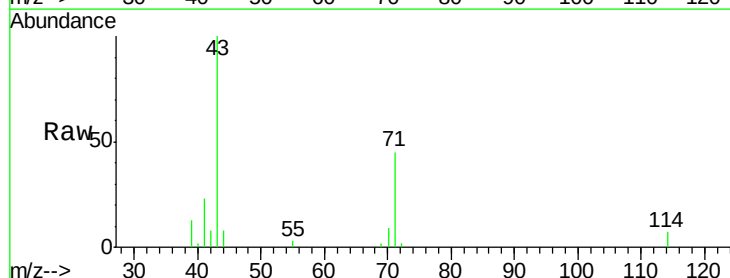
Acq: 16 Jan 2019 15:30

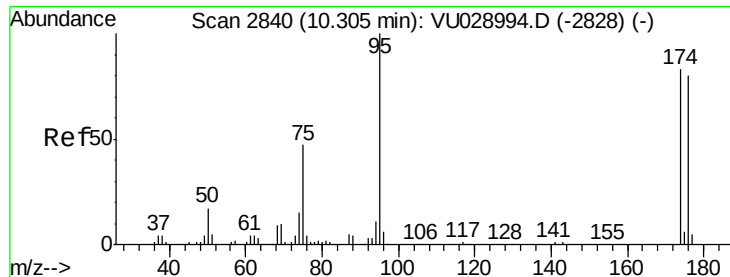
Tgt Ion: 43 Resp: 8523

Ion Ratio Lower Upper

43 100

58 0.0 29.8 89.4#





#62

4-Bromofluorobenzene

Concen: 44.616 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029210.D

Acq: 16 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

EO-01-011518-C

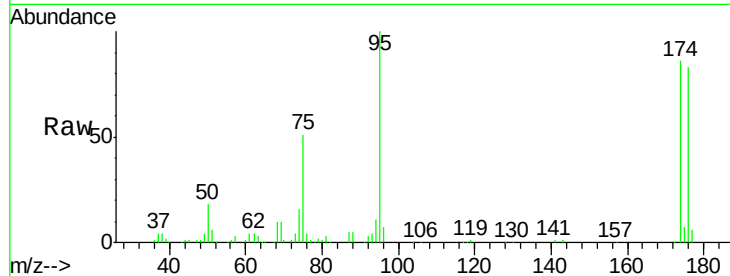
Tot Ion: 95 Resp: 79123

Ion Ratio Lower Upper

95 100

174 85.1 0.0 170.6

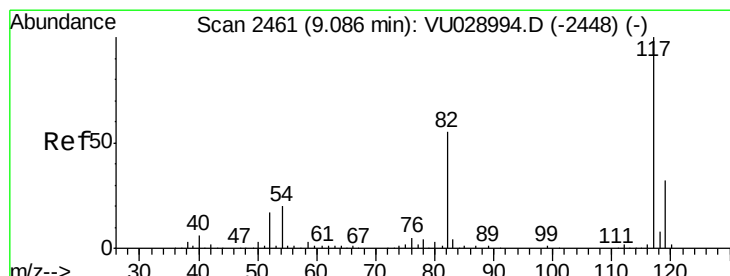
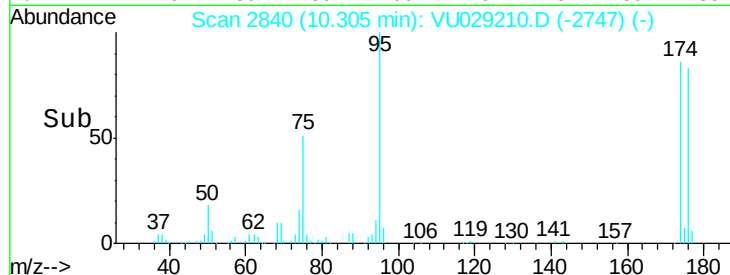
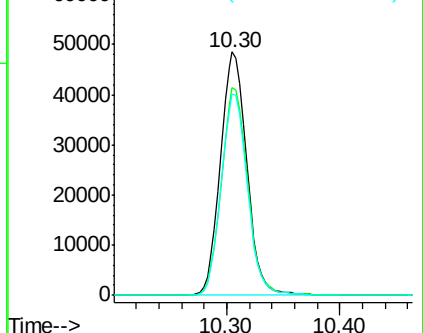
176 82.3 0.0 165.0



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VU029210.D

Acq: 16 Jan 2019 15:30

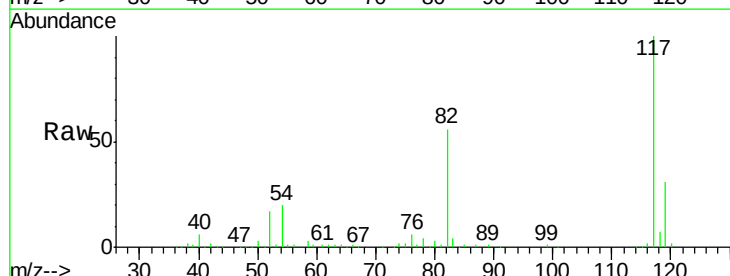
Tgt Ion: 117 Resp: 184210

Ion Ratio Lower Upper

117 100

82 56.0 43.9 65.9

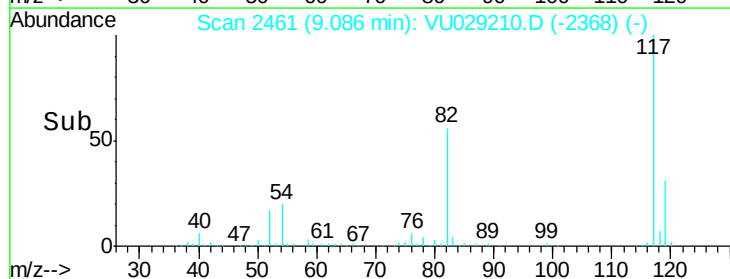
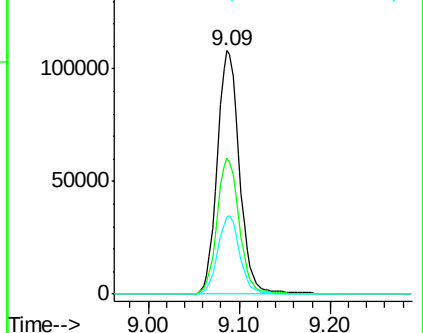
119 31.5 26.0 39.0

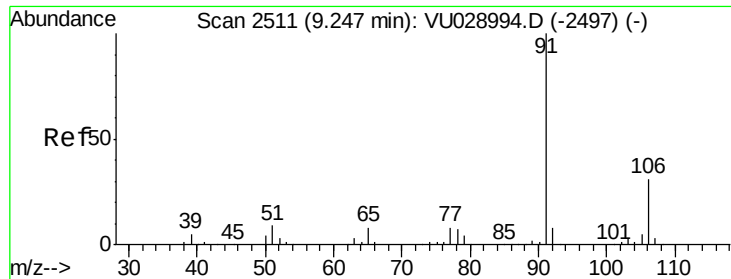


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V

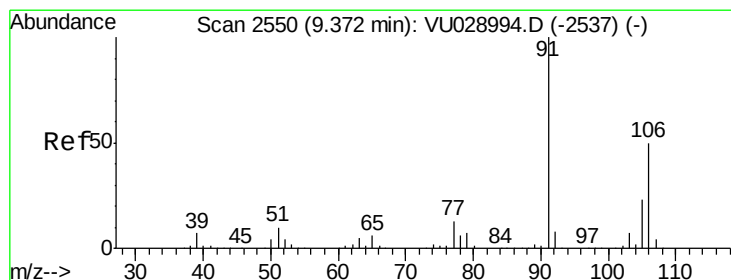
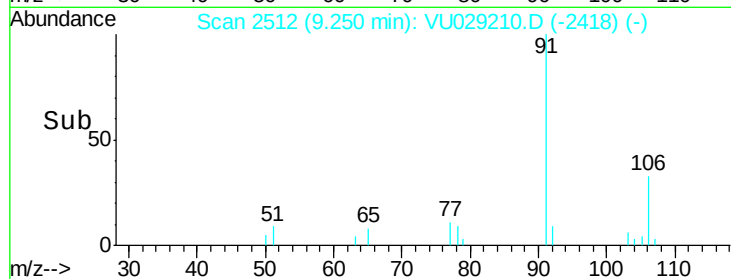
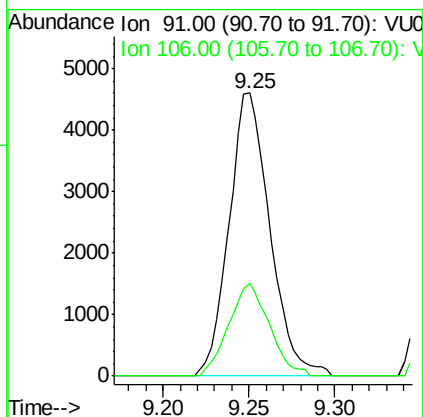
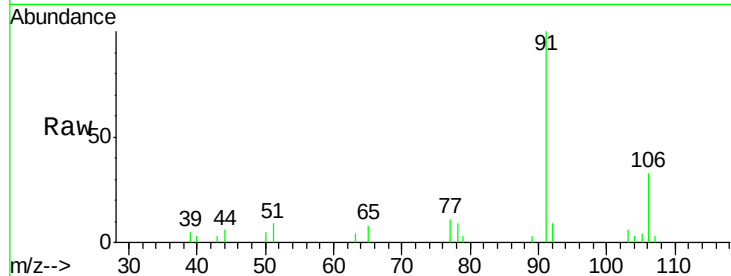




#67
Ethyl Benzene
Concen: 1.104 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU029210.D
Acq: 16 Jan 2019 15:30

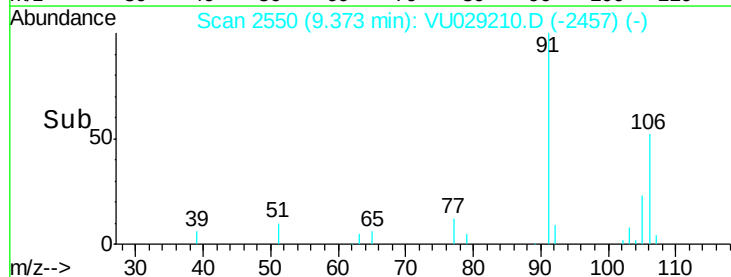
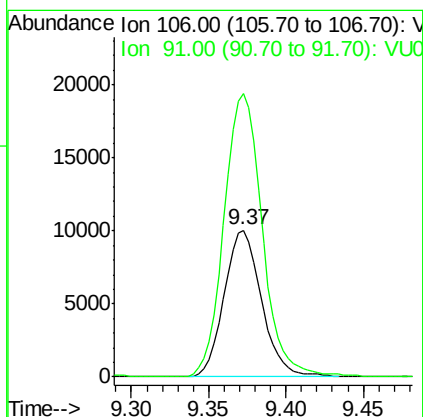
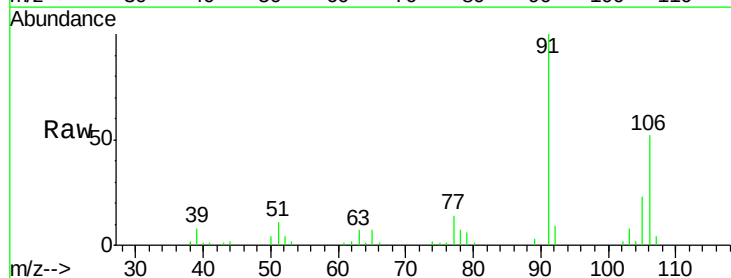
Instrument :
MSVOA_U
ClientSampleId :
EO-01-011518-C

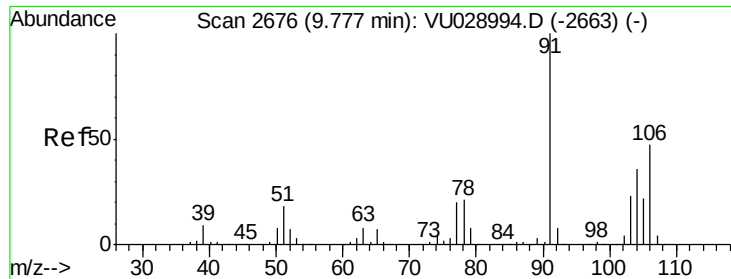
Tot Ion: 91 Resp: 7613
Ion Ratio Lower Upper
91 100
106 32.8 25.0 37.4



#68
m/p-Xylenes
Concen: 6.271 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029210.D
Acq: 16 Jan 2019 15:30

Tgt Ion: 106 Resp: 16798
Ion Ratio Lower Upper
106 100
91 198.0 161.7 242.5

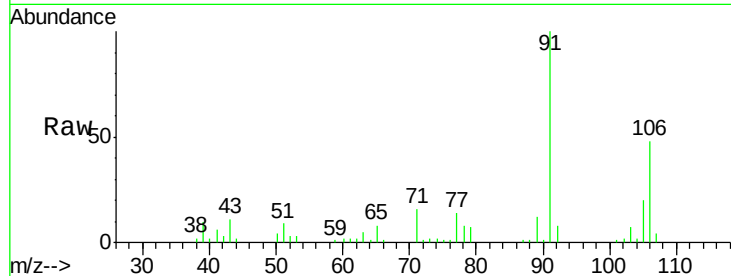




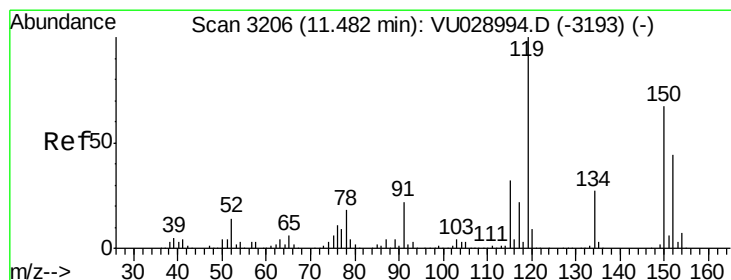
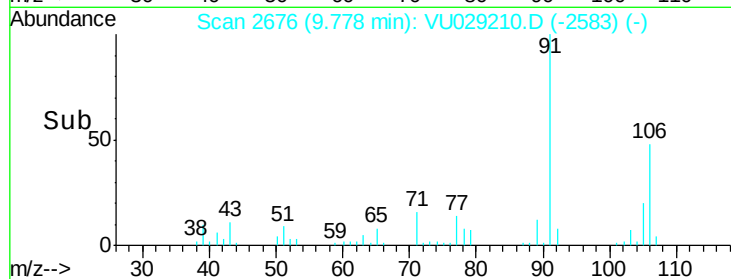
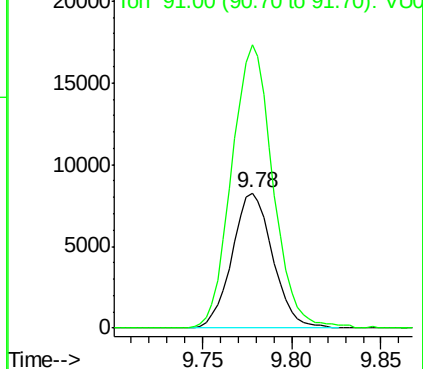
#69
o-Xylene
Concen: 5.094 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029210.D
Acq: 16 Jan 2019 15:30

Instrument :
MSVOA_U
ClientSampleId :
EO-01-011518-C

Tot Ion:106 Resp: 13147
Ion Ratio Lower Upper
106 100
91 212.2 106.1 318.3

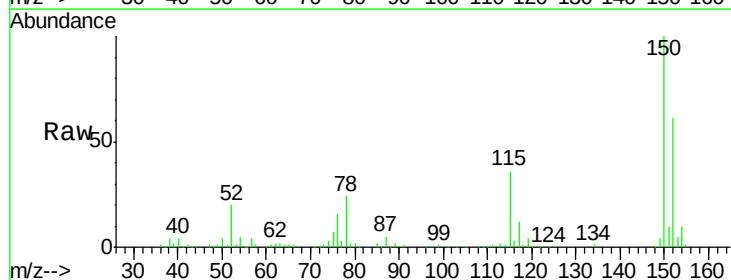


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

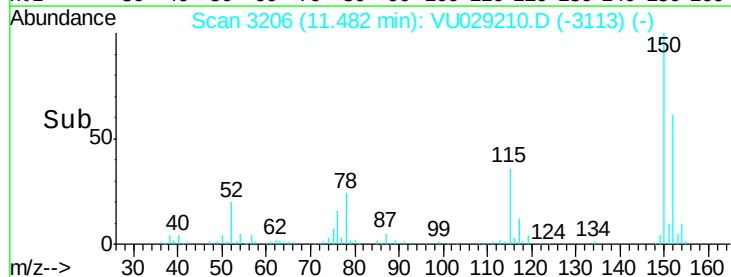
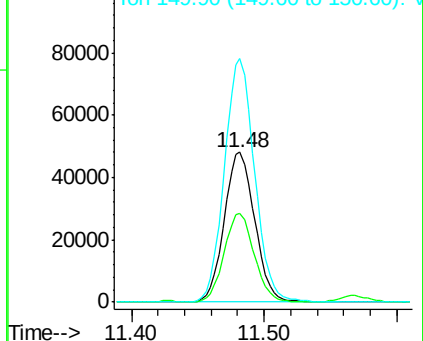


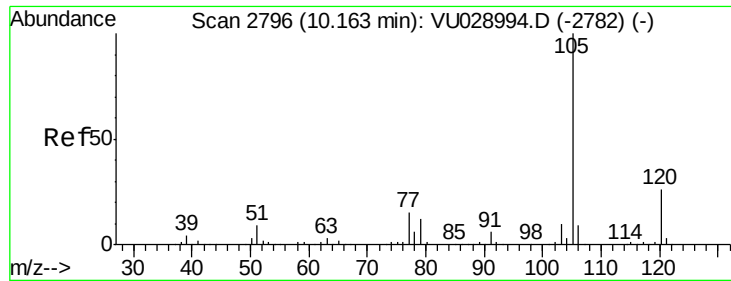
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU029210.D
Acq: 16 Jan 2019 15:30

Tgt Ion:152 Resp: 76817
Ion Ratio Lower Upper
152 100
115 58.6 40.1 120.3
150 160.9 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.924 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029210.D

Acq: 16 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

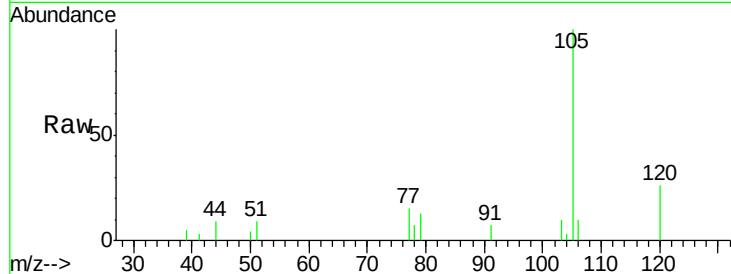
EO-01-011518-C

Tot Ion:105 Resp: 5254

Ion Ratio Lower Upper

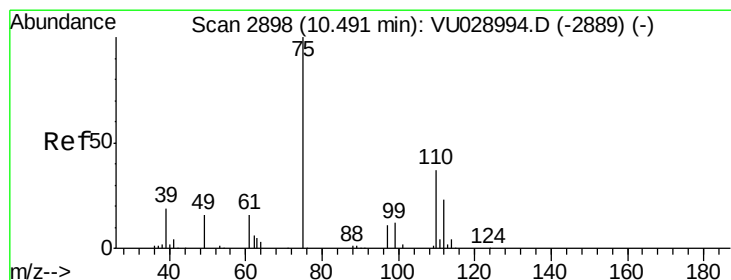
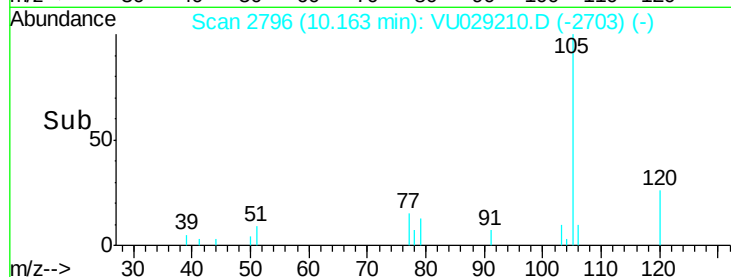
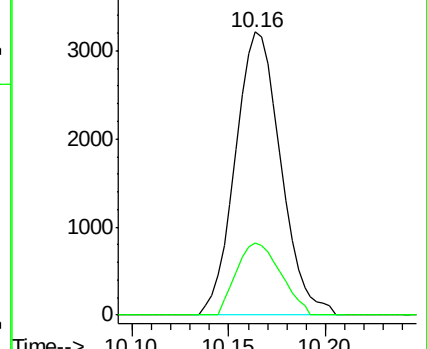
105 100

120 24.9 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 20.543 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029210.D

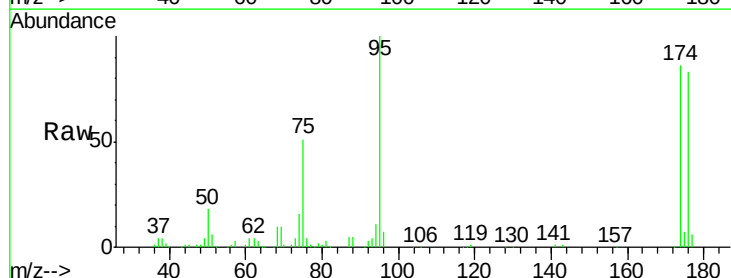
Acq: 16 Jan 2019 15:30

Tgt Ion: 75 Resp: 38665

Ion Ratio Lower Upper

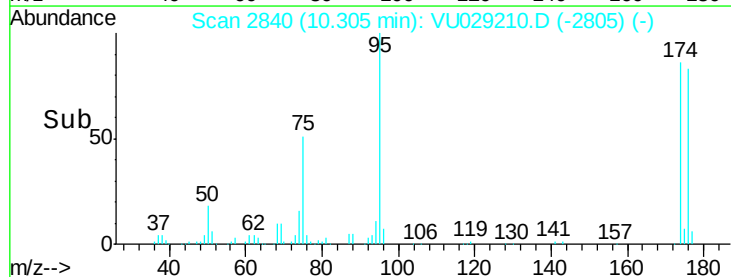
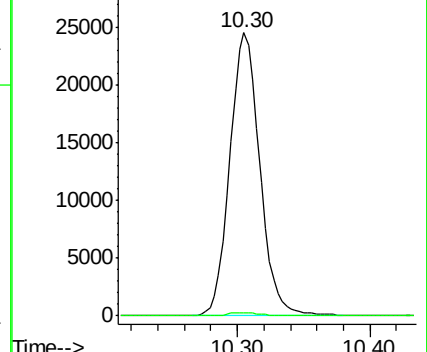
75 100

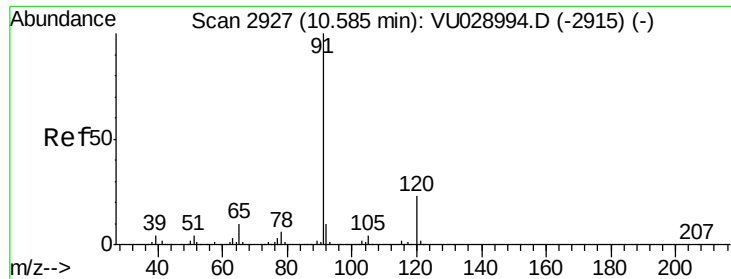
77 1.1 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#78

n-propylbenzene

Concen: 2.159 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU029210.D

Acq: 16 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

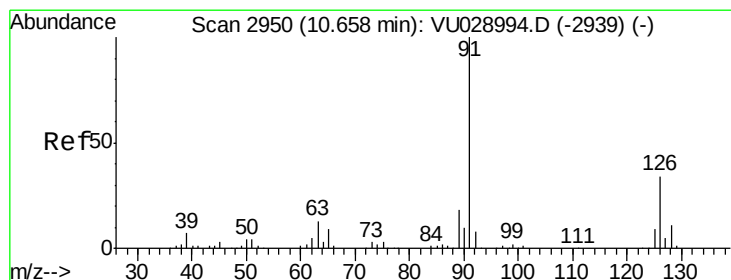
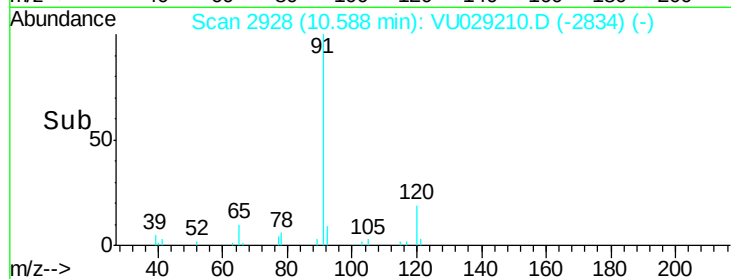
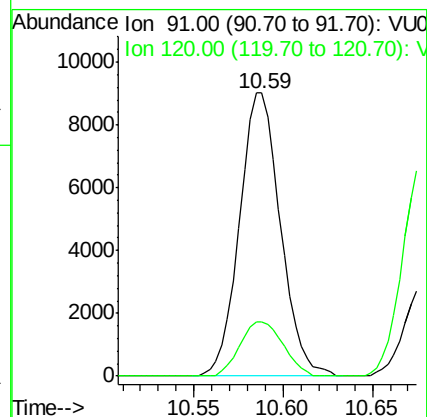
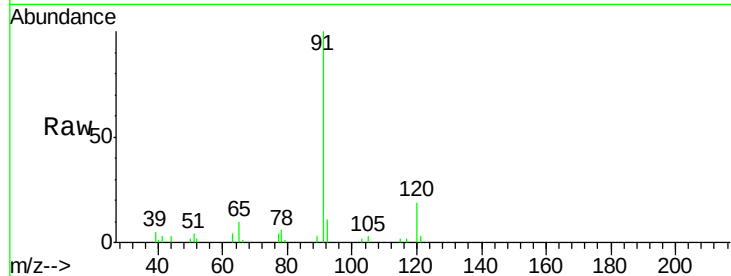
EO-01-011518-C

Tot Ion: 91 Resp: 14468

Ion Ratio Lower Upper

91 100

120 20.3 11.3 33.9



#79

2-Chlorotoluene

Concen: 1.484 ug/l

RT: 10.68 min Scan# 2956

Delta R.T. 0.02 min

Lab File: VU029210.D

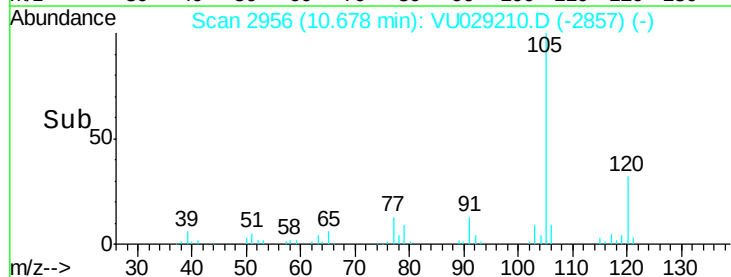
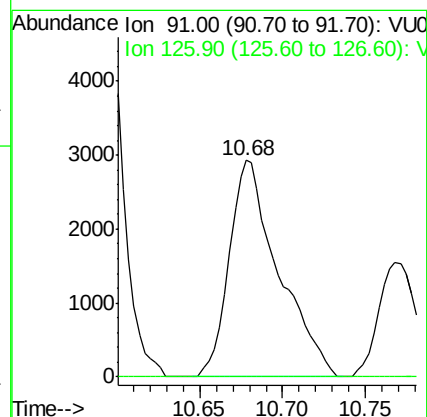
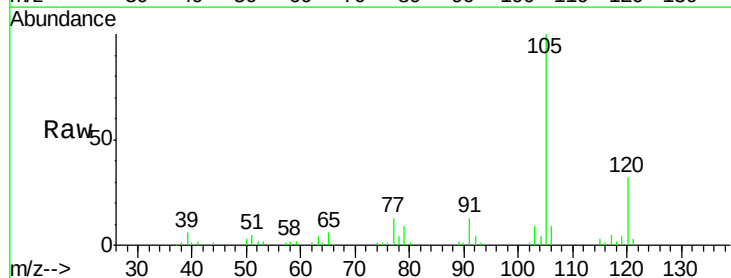
Acq: 16 Jan 2019 15:30

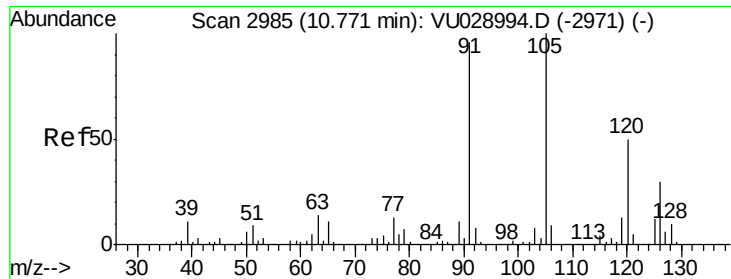
Tgt Ion: 91 Resp: 6032

Ion Ratio Lower Upper

91 100

126 0.0 16.8 50.4#





#80

1,3,5-Trimethylbenzene

Concen: 5.106 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029210.D

Acq: 16 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

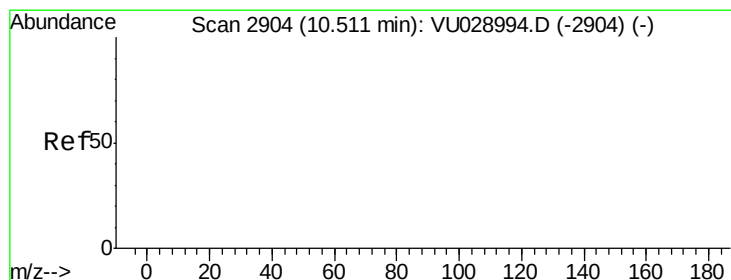
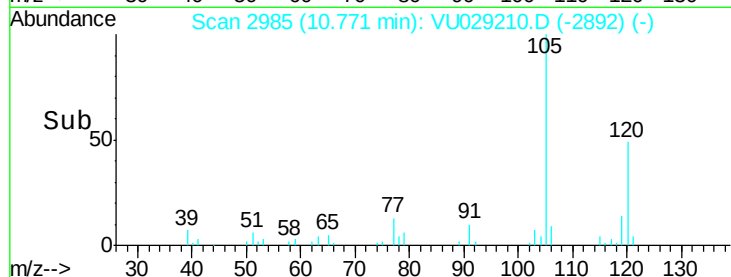
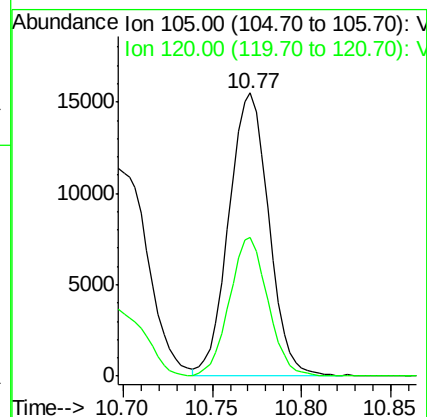
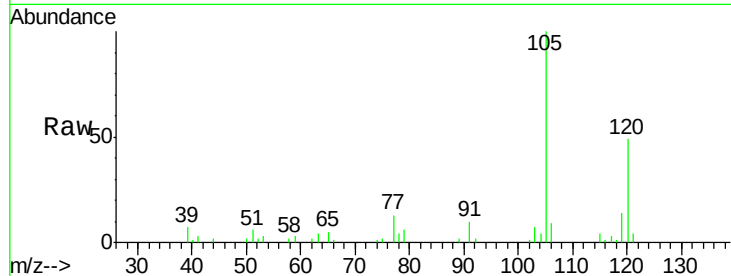
EO-01-011518-C

Tot Ion:105 Resp: 24243

Ion Ratio Lower Upper

105 100

120 46.8 24.8 74.4



#81

trans-1,4-Dichloro-2-butene

Concen: 52.982 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU029210.D

Acq: 16 Jan 2019 15:30

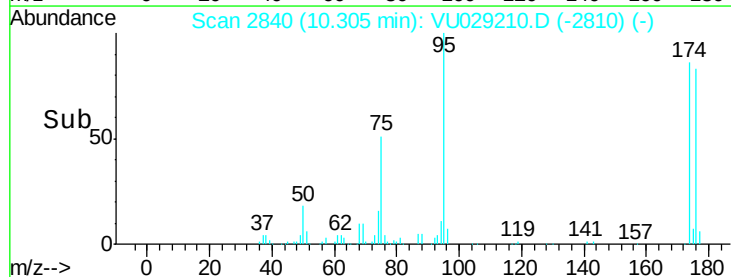
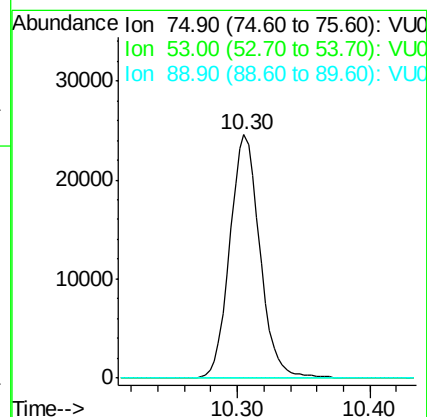
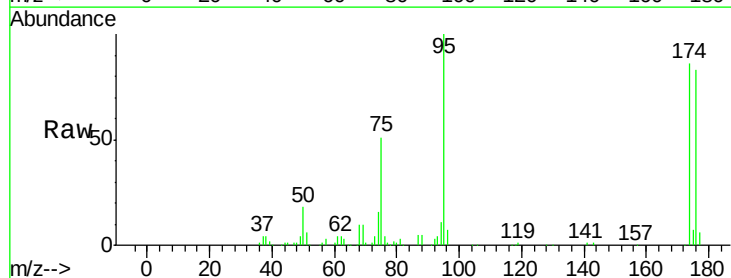
Tgt Ion: 75 Resp: 38665

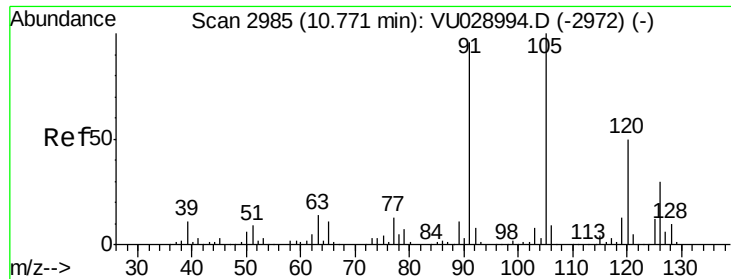
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

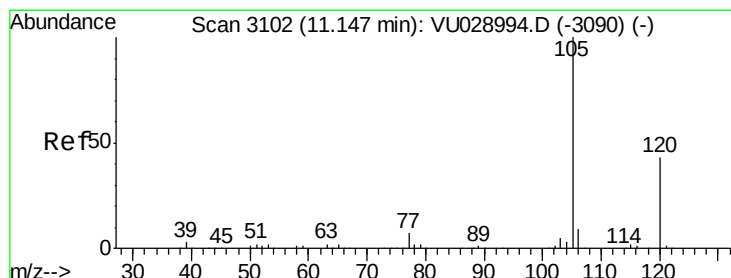
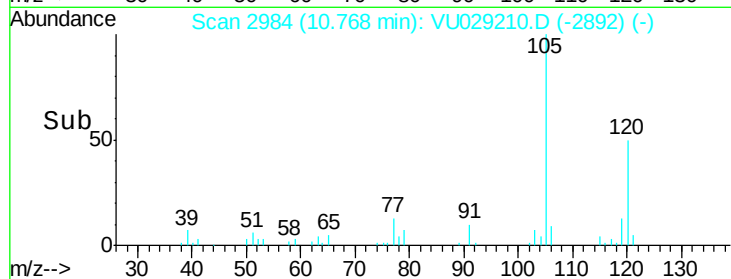
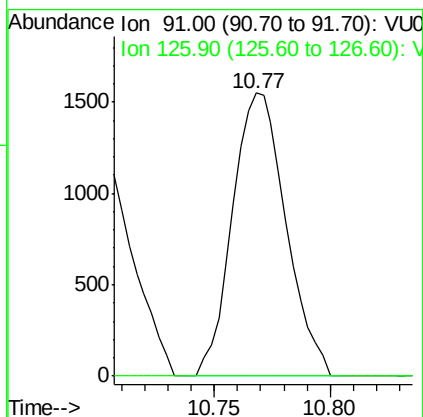
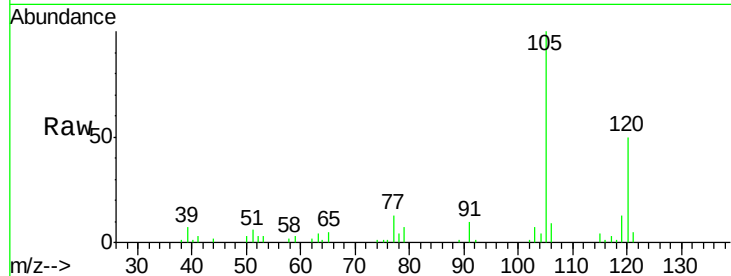




#82
4-Chlorotoluene
Concen: 0.533 ug/l
RT: 10.77 min Scan# 2984
Delta R.T. -0.00 min
Lab File: VU029210.D
Acq: 16 Jan 2019 15:30

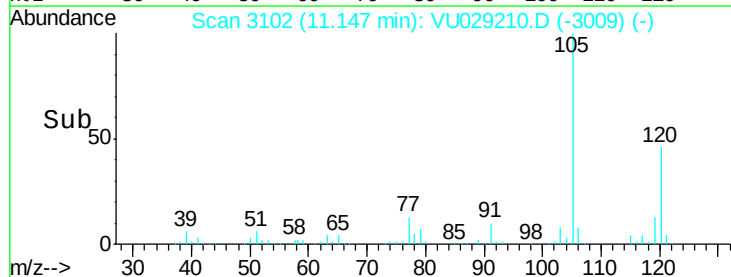
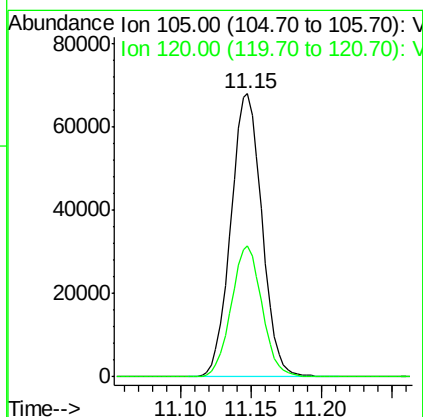
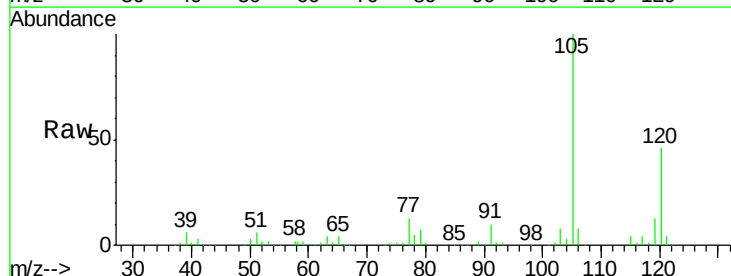
Instrument :
MSVOA_U
ClientSampleId :
EO-01-011518-C

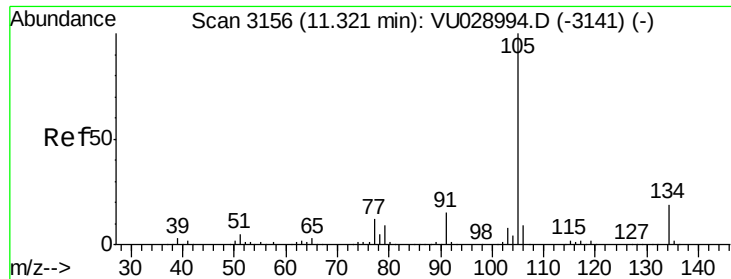
Tot Ion: 91 Resp: 2486
Ion Ratio Lower Upper
91 100
126 0.0 15.5 46.5#



#84
1,2,4-Trimethylbenzene
Concen: 22.157 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU029210.D
Acq: 16 Jan 2019 15:30

Tgt Ion: 105 Resp: 105036
Ion Ratio Lower Upper
105 100
120 45.8 23.1 69.3





#85

sec-Butylbenzene

Concen: 1.053 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU029210.D

Acq: 16 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

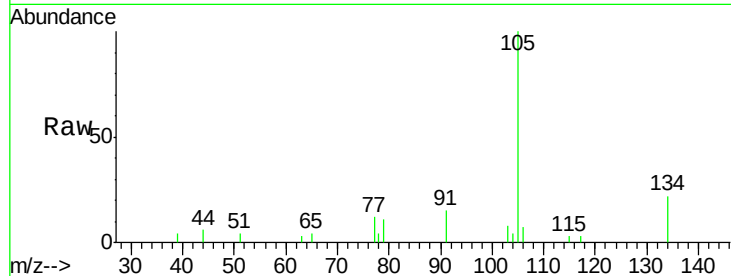
EO-01-011518-C

Tot Ion:105 Resp: 5957

Ion Ratio Lower Upper

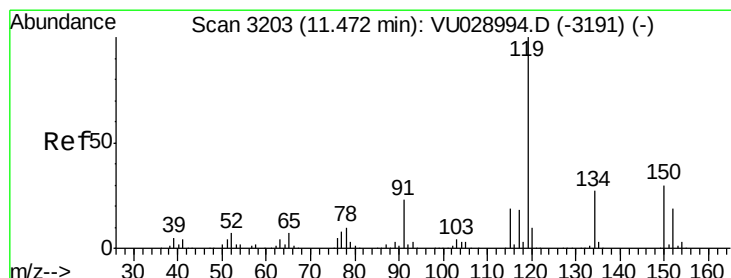
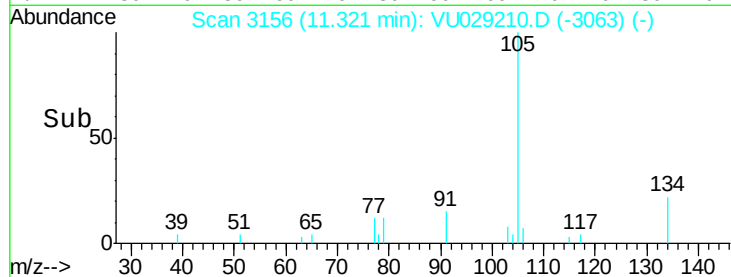
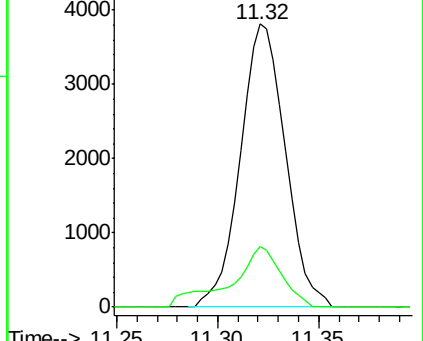
105 100

134 24.0 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.173 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU029210.D

Acq: 16 Jan 2019 15:30

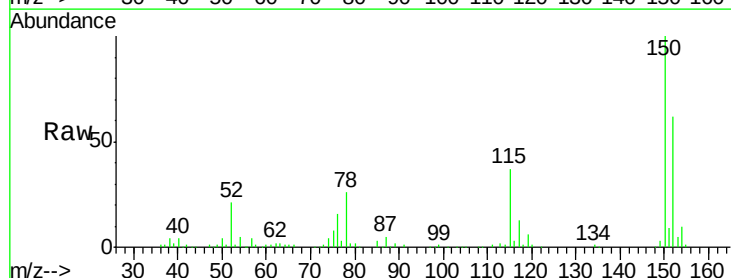
Tgt Ion:119 Resp: 5656

Ion Ratio Lower Upper

119 100

134 25.0 13.5 40.4

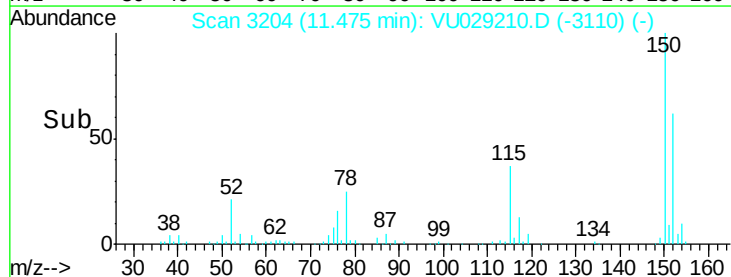
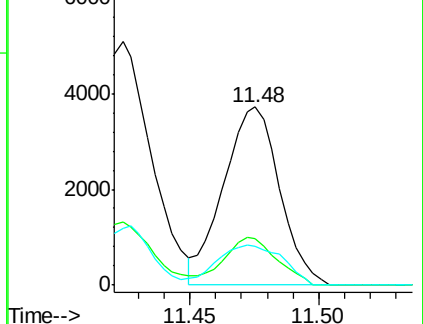
91 26.4 11.3 33.8

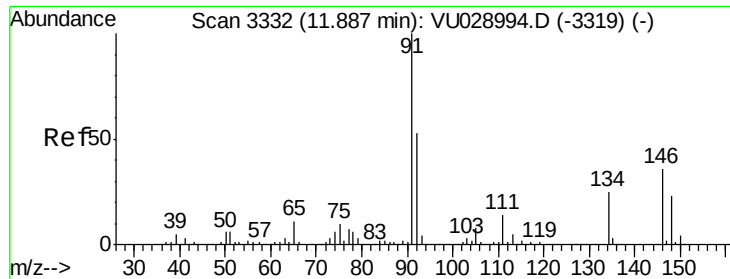


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#89

n-Butylbenzene

Concen: 1.624 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VU029210.D

Acq: 16 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

EO-01-011518-C

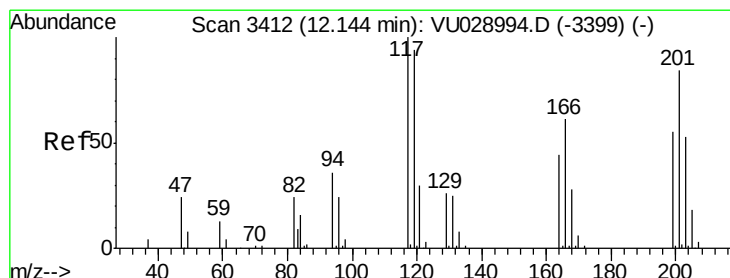
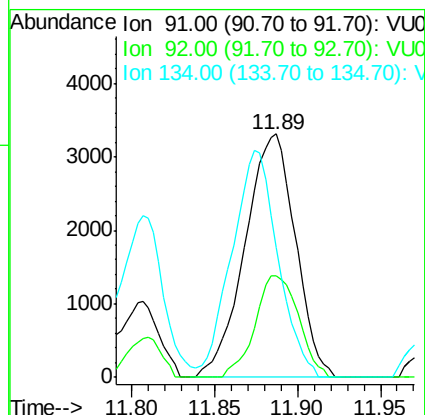
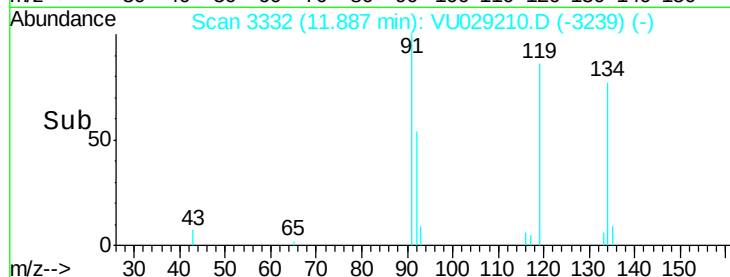
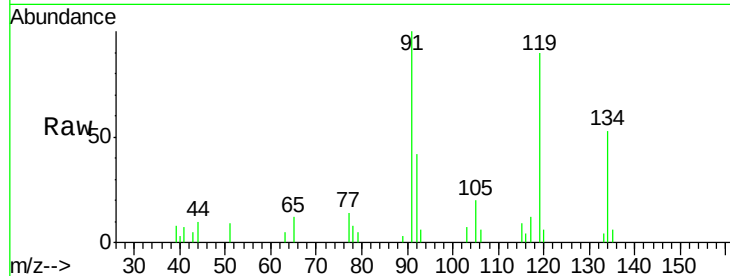
Tot Ion: 91 Resp: 6990

Ion Ratio Lower Upper

91 100

92 36.0 26.2 78.5

134 85.2 12.6 37.6#



#90

Hexachloroethane

Concen: 1.167 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VU029210.D

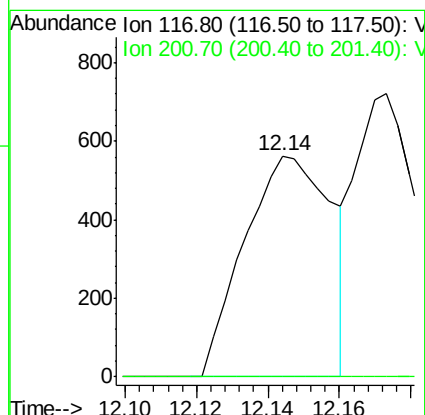
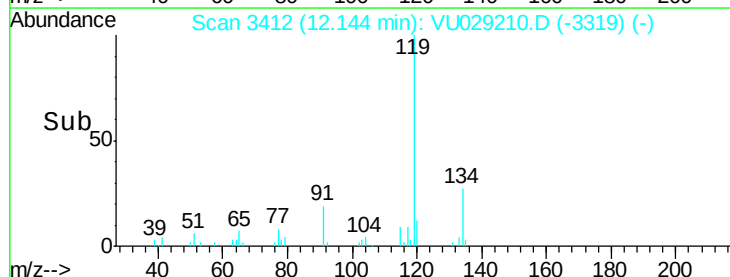
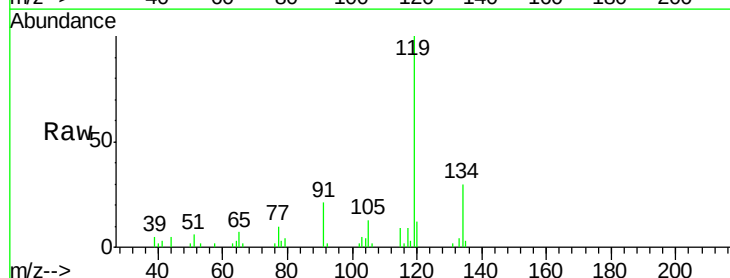
Acq: 16 Jan 2019 15:30

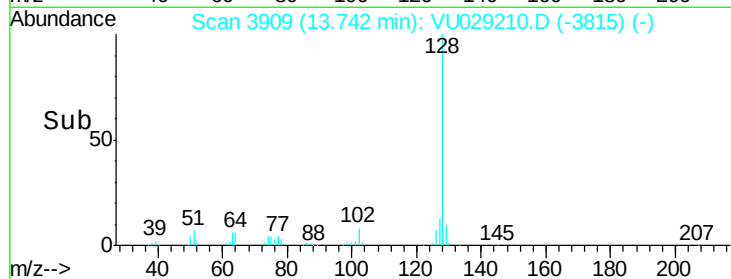
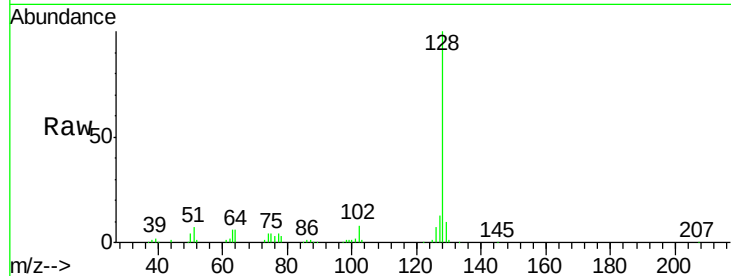
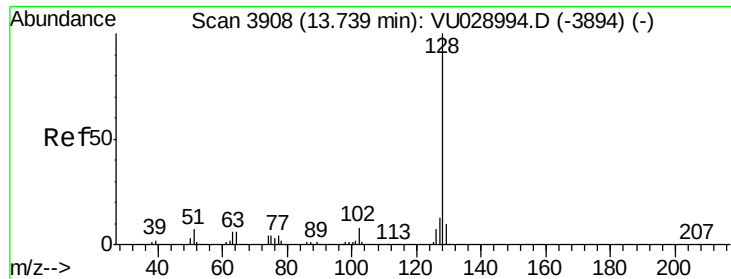
Tgt Ion: 117 Resp: 947

Ion Ratio Lower Upper

117 100

201 0.0 42.4 127.3#





#95

Naphthalene

Concen: 14.449 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU029210.D

Acq: 16 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

EO-01-011518-C

Tot Ion:128 Resp: 85892

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

129 10.9 8.5 12.7

