

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U052219\
 Data File : VU032248.D
 Acq On : 23 May 2019 02:39
 Operator : JC/SP
 Sample : K3001-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YF0

Quant Time: May 23 03:58:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 23 03:43:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	381389	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	390614	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	157523	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	116096	5.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.40%
7) Chloroethane-d5	1.67	69	99663	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.27	63	177057	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.80%
20) 2-Butanone-d5	4.19	46	242418	40.12	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.24%
24) Chloroform-d	4.64	84	219327	4.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.20%
26) 1,2-Dichloroethane-d4	5.31	65	105650	3.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.00%
32) Benzene-d6	5.33	84	447294	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.80%
36) 1,2-Dichloropropane-d6	6.33	67	133995	3.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	74.40%
41) Toluene-d8	7.56	98	383080	3.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.20%
43) trans-1,3-Dichloropropene-	7.85	79	43414	3.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	62.80%
46) 2-Hexanone-d5	8.31	63	203996	39.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.34%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	106775	2.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	59.60%#
64) 1,2-Dichlorobenzene-d4	11.86	152	140561	3.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	64.80%#

Target Compounds

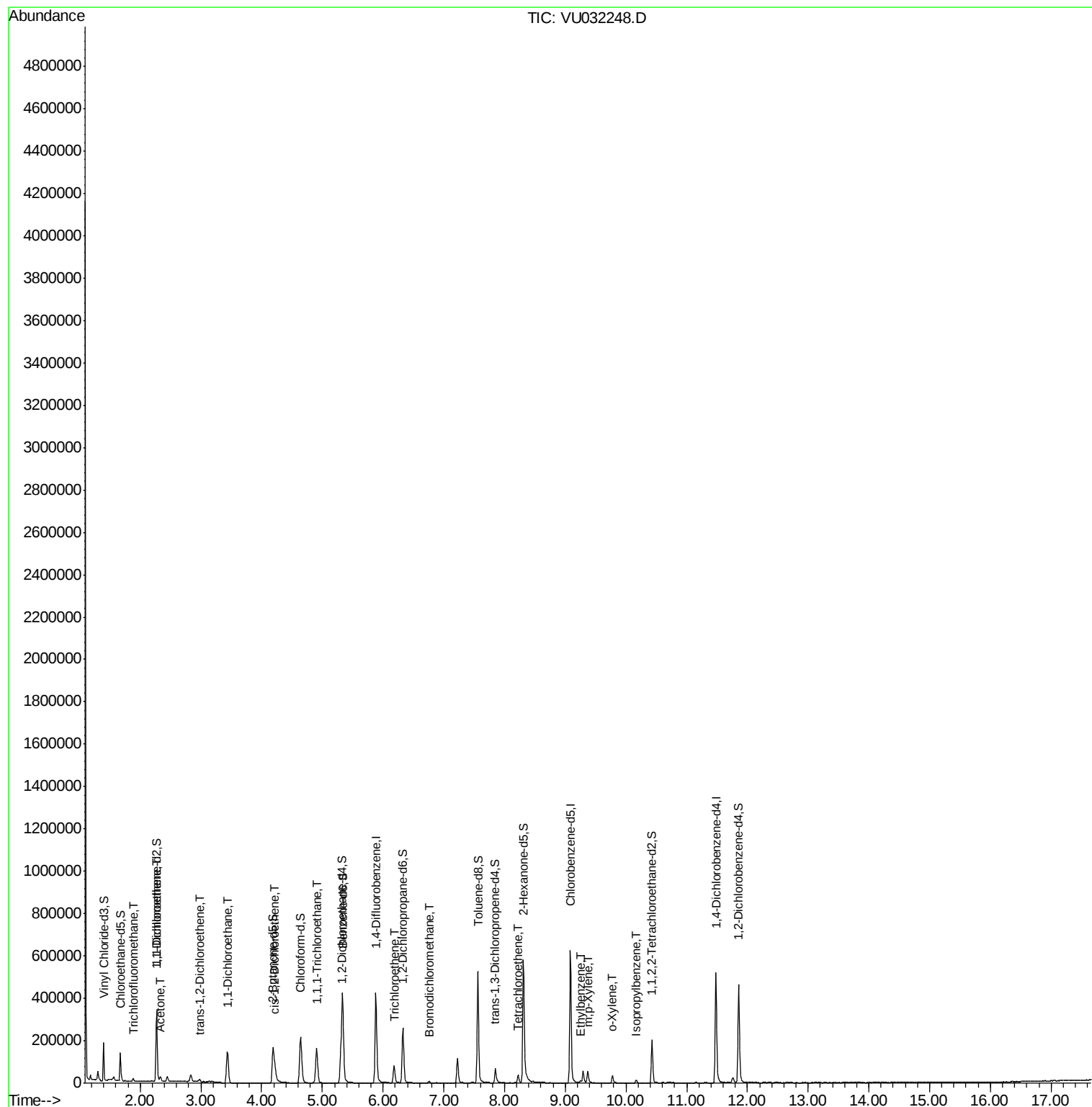
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.88	101	6670	0.312	ug/L	100
12) 1,1-Dichloroethene	2.28	96	15272	1.125	ug/L #	1
13) Acetone	2.32	43	14033	7.497	ug/L	92
18) trans-1,2-Dichloroethene	2.97	96	4355	0.299	ug/L	93
19) 1,1-Dichloroethane	3.44	63	162484	7.221	ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	22997	1.617	ug/L	88
29) 1,1,1-Trichloroethane	4.91	97	130478	6.436	ug/L	99
34) Trichloroethene	6.18	95	29109	2.053	ug/L	95
38) Bromodichloromethane	6.76	83	5484	0.332	ug/L #	81
47) Tetrachloroethene	8.22	164	10006	0.855	ug/L	79
52) Ethylbenzene	9.25	91	7740	0.137	ug/L	88
53) m,p-Xylene	9.38	106	15697	0.747	ug/L	79
54) o-Xylene	9.78	106	9167	0.437	ug/L	99
56) Isopropylbenzene	10.16	105	7312	0.138	ug/L	92

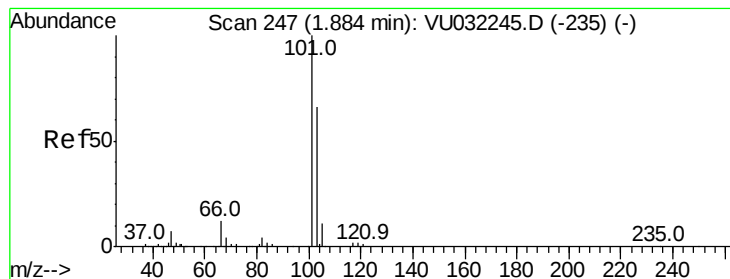
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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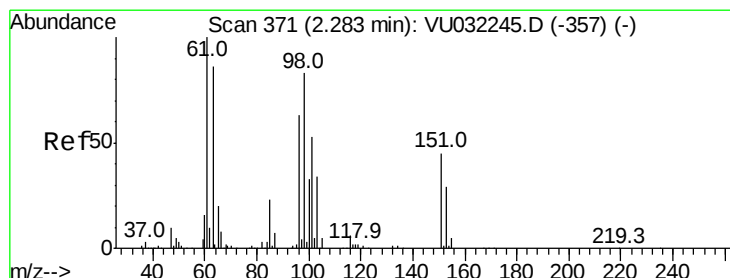
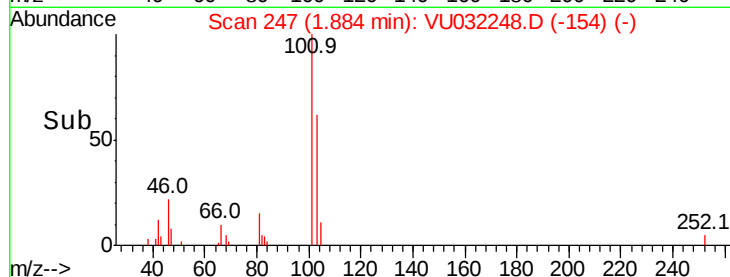
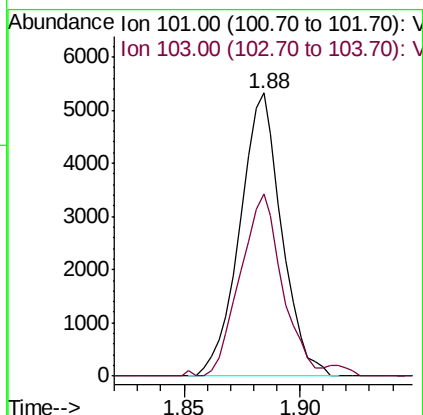
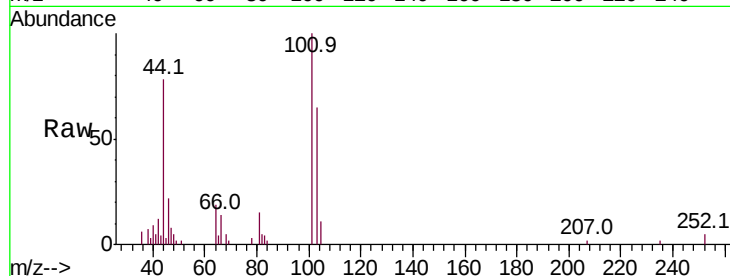


#9

Trichlorofluoromethane
 Concen: 0.312 ug/L
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU032248.D
 Acq: 23 May 2019 02:39

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YF0

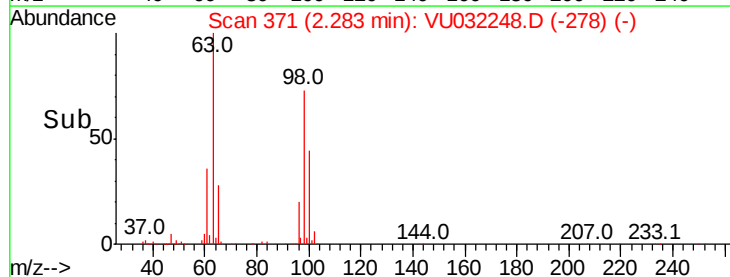
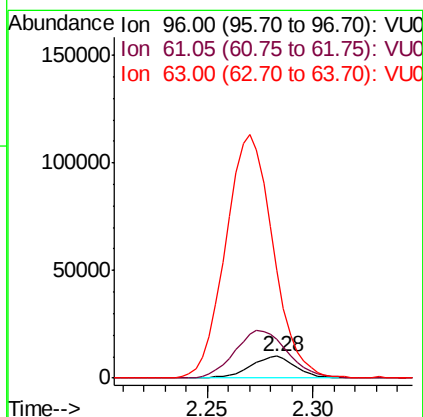
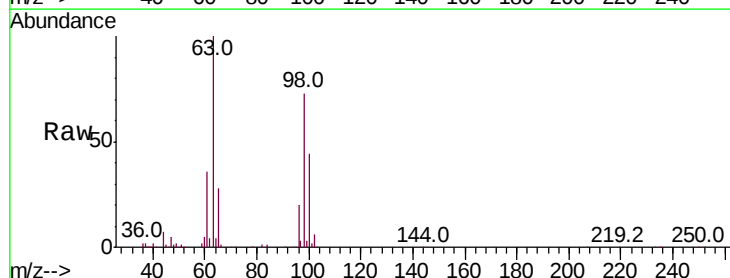
Tot Ion:101 Resp: 6670
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.9 77.9

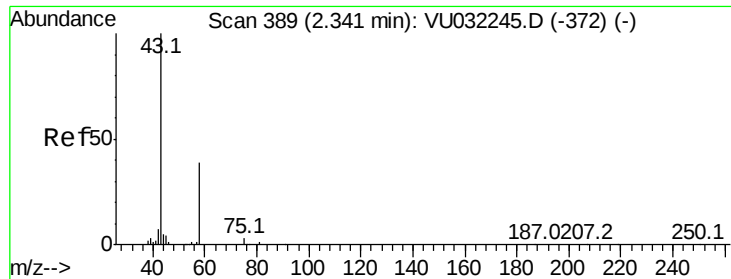


#12

1,1-Dichloroethene
 Concen: 1.125 ug/L
 RT: 2.28 min Scan# 371
 Delta R.T. 0.00 min
 Lab File: VU032248.D
 Acq: 23 May 2019 02:39

Tgt Ion: 96 Resp: 15272
 Ion Ratio Lower Upper
 96 100
 61 179.4 113.8 211.3
 63 491.8 108.8 202.2#





#13

Acetone

Concen: 7.497 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU032248.D

Acq: 23 May 2019 02:39

Instrument :

MSVOA_U

ClientSampleId :

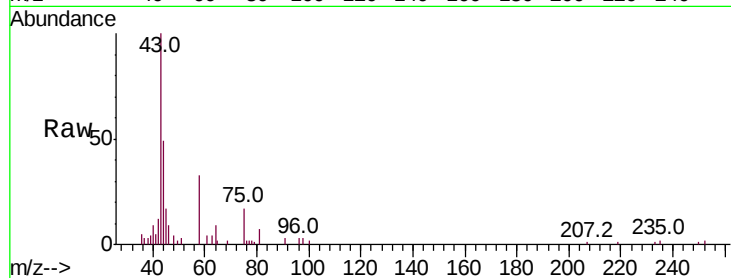
E3YF0

Tot Ion: 43 Resp: 14033

Ion Ratio Lower Upper

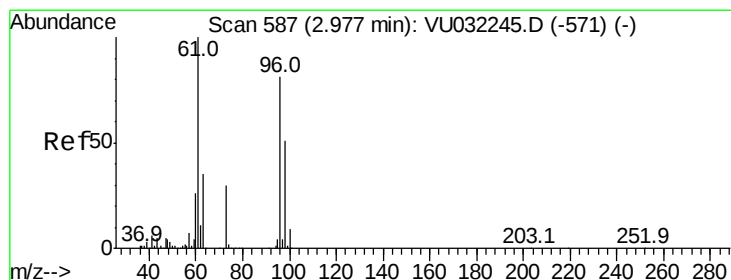
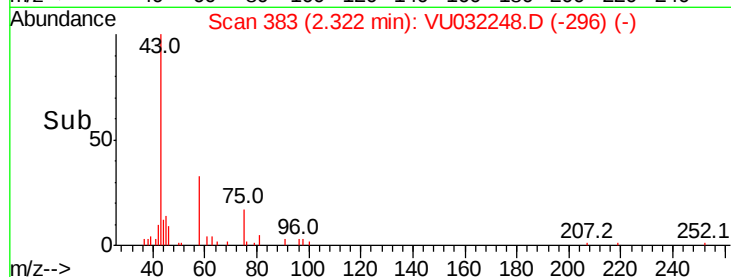
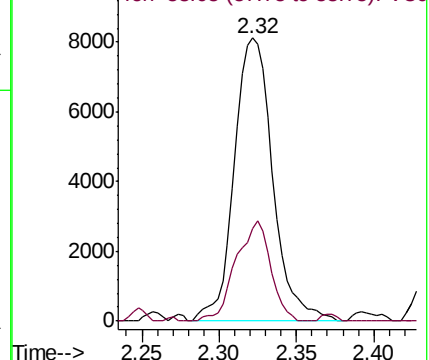
43 100

58 31.7 0.0 72.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#18

trans-1,2-Dichloroethene

Concen: 0.299 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU032248.D

Acq: 23 May 2019 02:39

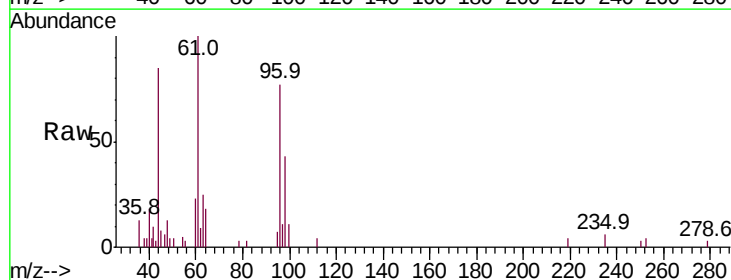
Tgt Ion: 96 Resp: 4355

Ion Ratio Lower Upper

96 100

61 130.4 90.6 168.3

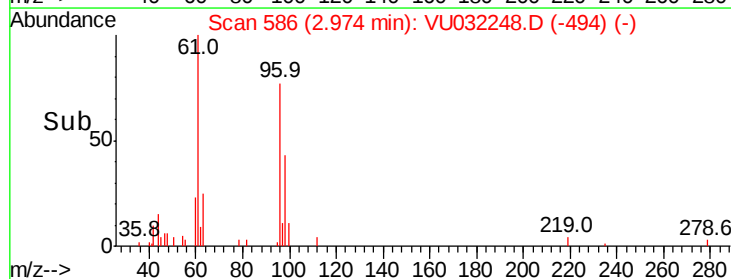
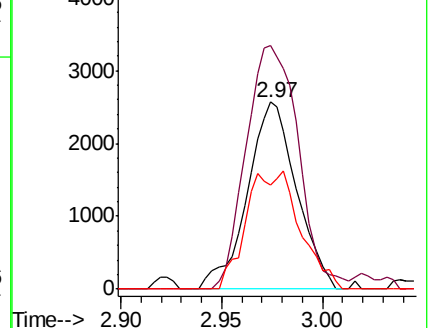
98 55.9 49.5 91.9

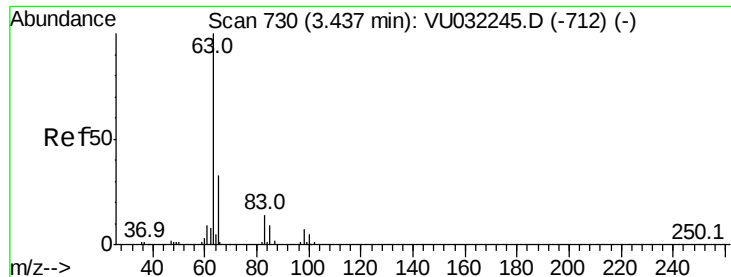


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



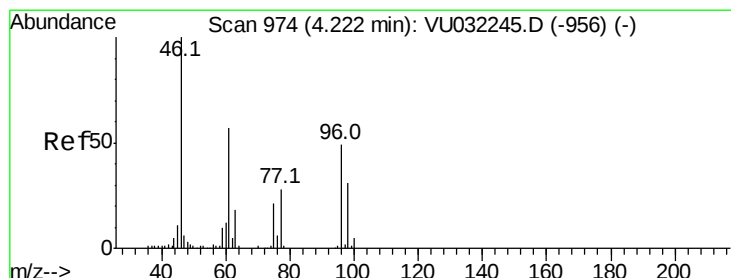
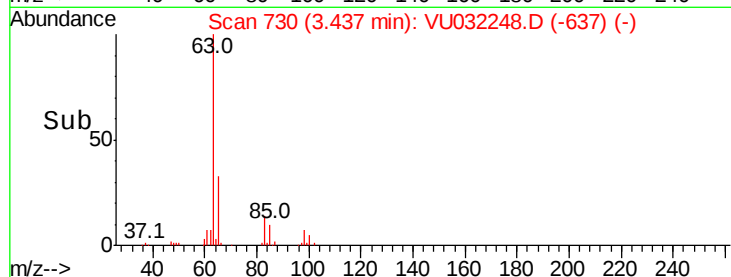
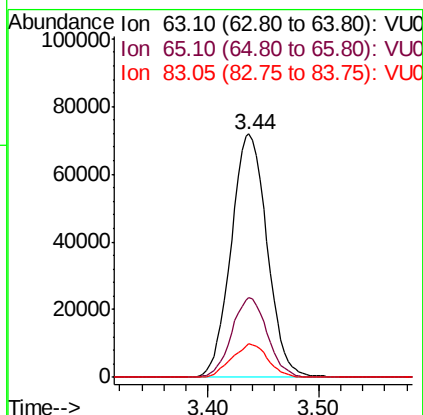
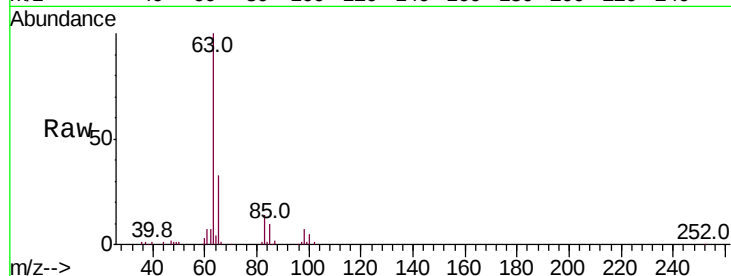


#19
 1,1-Dichloroethane
 Concen: 7.221 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU032248.D
 Acq: 23 May 2019 02:39

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YF0

Tot Ion: 63 Resp: 162484

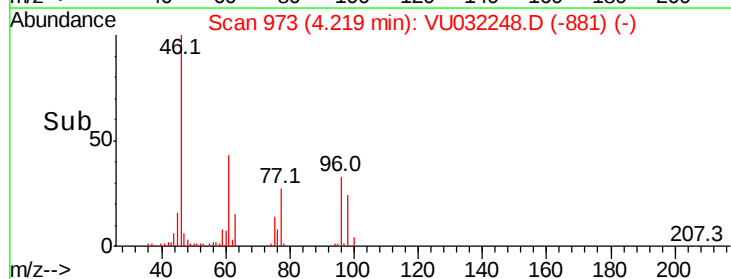
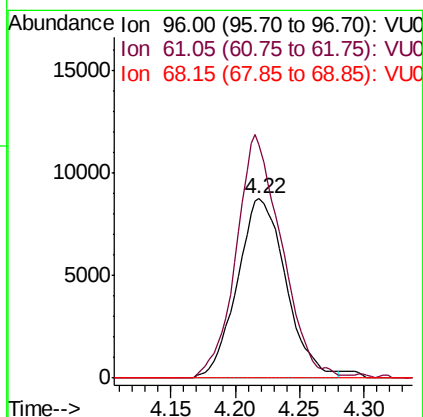
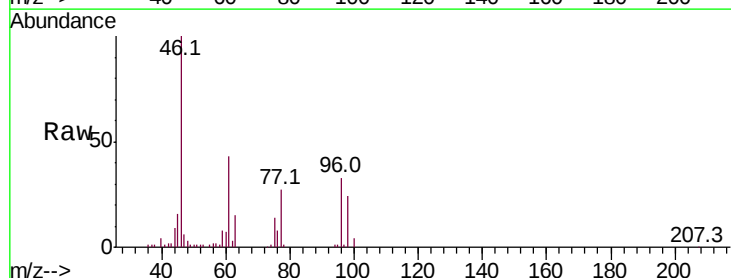
Ion	Ratio	Lower	Upper
63	100		
65	33.0	23.5	43.7
83	13.6	8.8	16.3

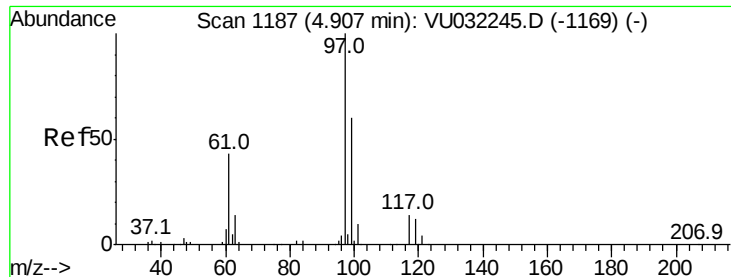


#22
 cis-1,2-Dichloroethene
 Concen: 1.617 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU032248.D
 Acq: 23 May 2019 02:39

Tgt Ion: 96 Resp: 22997

Ion	Ratio	Lower	Upper
96	100		
61	130.5	82.5	153.1
68	0.0	0.0	0.0

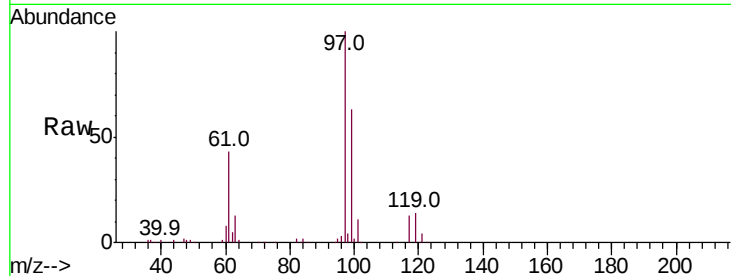




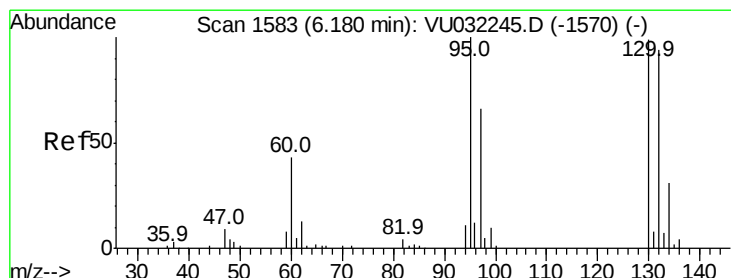
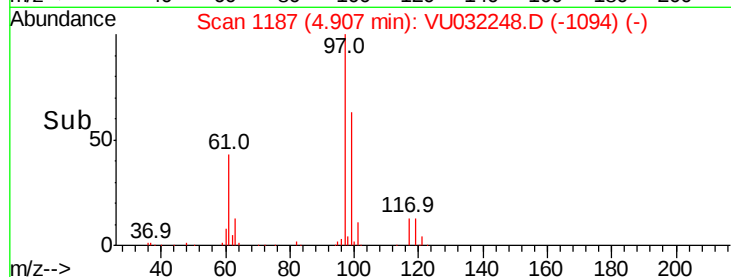
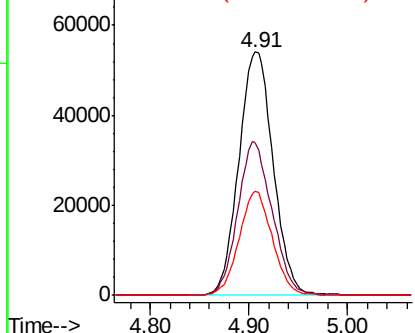
#29
 1,1,1-Trichloroethane
 Concen: 6.436 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU032248.D
 Acq: 23 May 2019 02:39

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YF0

Tot Ion: 97 Resp: 130478
 Ion Ratio Lower Upper
 97 100
 99 62.9 50.3 75.5
 61 41.5 34.1 51.1

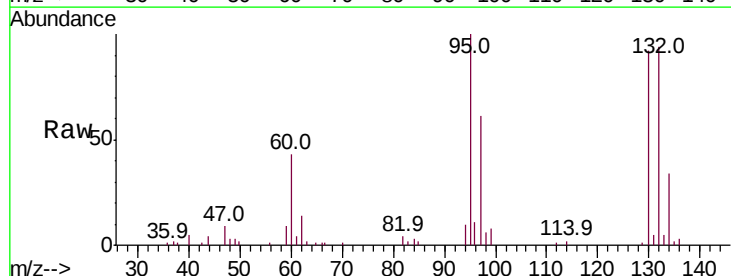


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

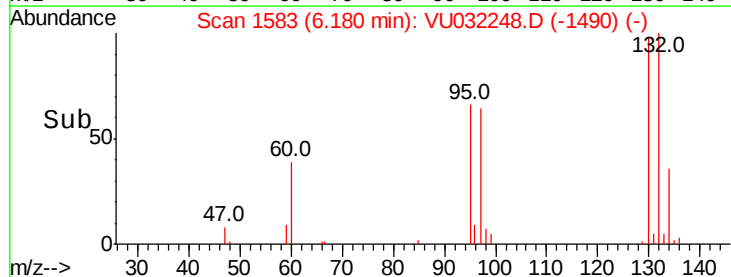
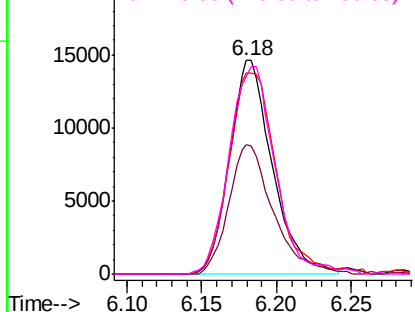


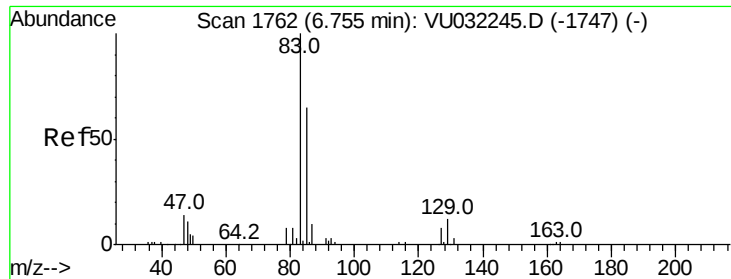
#34
 Trichloroethene
 Concen: 2.053 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU032248.D
 Acq: 23 May 2019 02:39

Tgt Ion: 95 Resp: 29109
 Ion Ratio Lower Upper
 95 100
 97 60.8 39.9 74.1
 132 94.3 65.9 122.5
 130 92.4 70.6 131.2



Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V





#38

Bromodichloromethane

Concen: 0.332 ug/L

RT: 6.76 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VU032248.D

Acq: 23 May 2019 02:39

Instrument :

MSVOA_U

ClientSampleId :

E3YF0

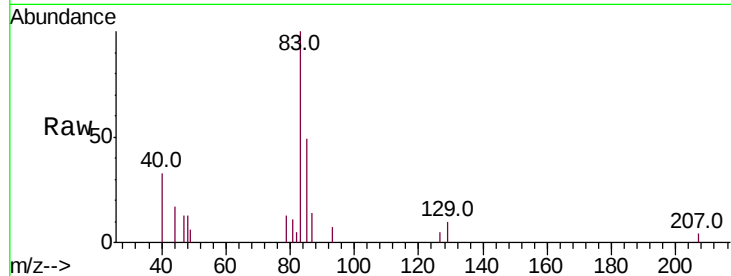
Tot Ion: 83 Resp: 5484

Ion Ratio Lower Upper

83 100

85 49.5 44.4 82.4

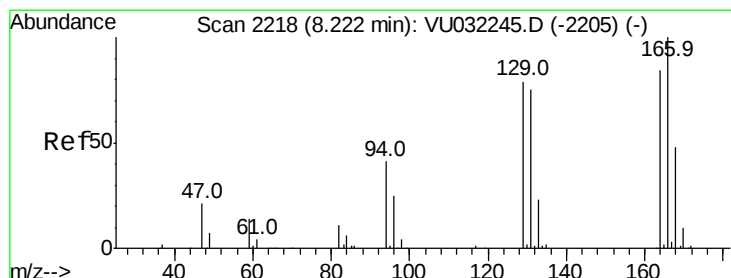
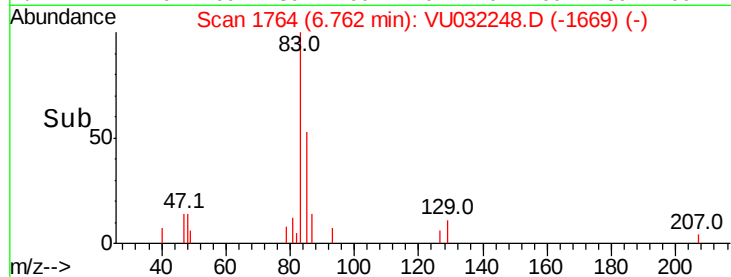
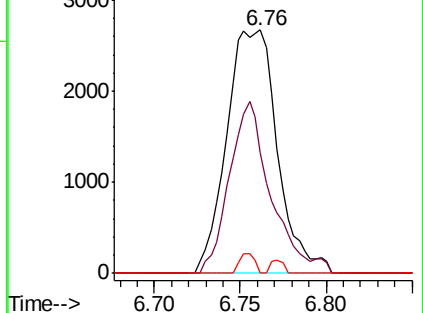
127 0.0 7.0 10.6#



Abundance Ion 82.95 (82.65 to 83.65): VU032248.D (-1747) (-)

Ion 85.00 (84.70 to 85.70): VU032248.D (-1747) (-)

Ion 126.90 (126.60 to 127.60): VU032248.D (-1747) (-)



#47

Tetrachloroethene

Concen: 0.855 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU032248.D

Acq: 23 May 2019 02:39

Tgt Ion: 164 Resp: 10006

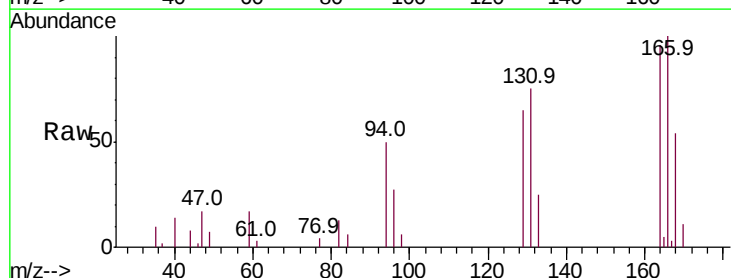
Ion Ratio Lower Upper

164 100

129 67.7 67.1 124.7

131 78.7 62.2 115.4

166 104.4 90.9 168.9

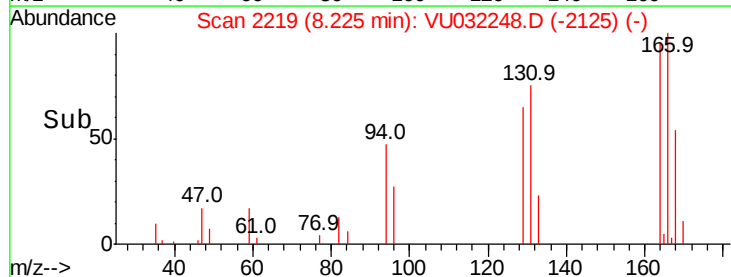
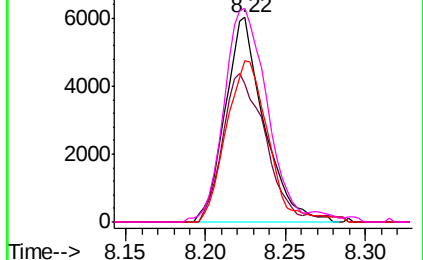


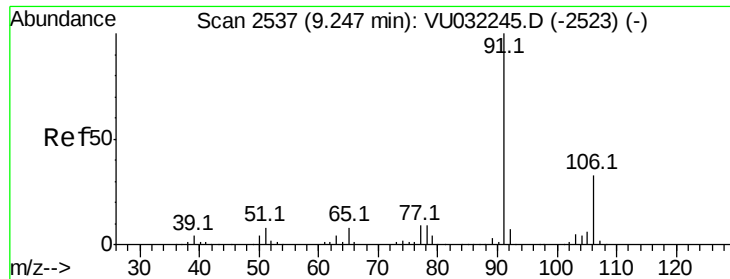
Abundance Ion 163.90 (163.60 to 164.60): VU032248.D (-2205) (-)

Ion 128.95 (128.65 to 129.65): VU032248.D (-2205) (-)

Ion 130.95 (130.65 to 131.65): VU032248.D (-2205) (-)

Ion 165.90 (165.60 to 166.60): VU032248.D (-2205) (-)





#52

Ethylbenzene

Concen: 0.137 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU032248.D

Acq: 23 May 2019 02:39

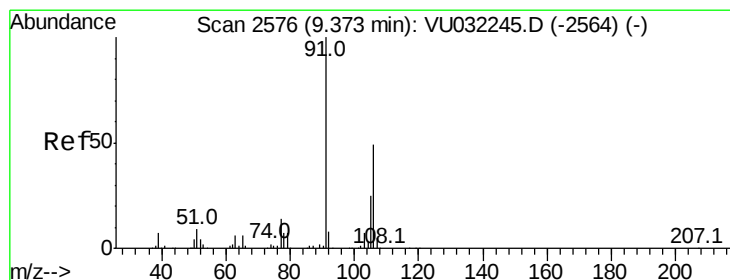
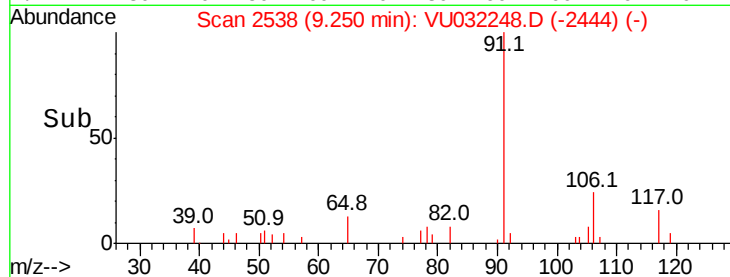
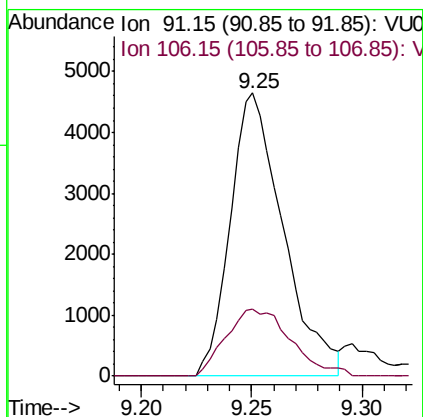
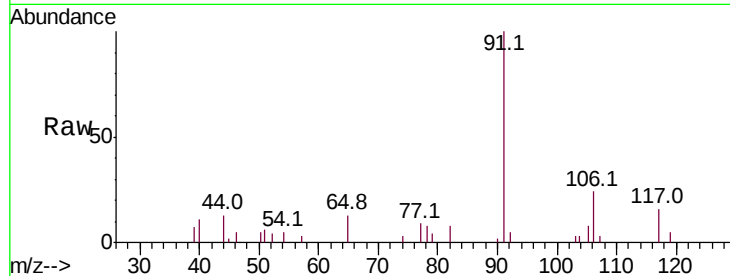
Instrument :
MSVOA_U
ClientSampled :
E3YF0

Tot Ion: 91 Resp: 7740

Ion Ratio Lower Upper

91 100

106 23.5 20.9 38.9



#53

m,p-Xylene

Concen: 0.747 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VU032248.D

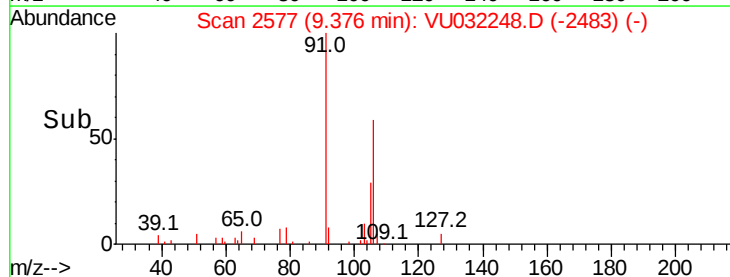
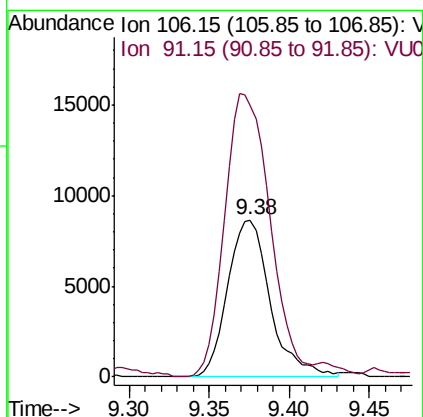
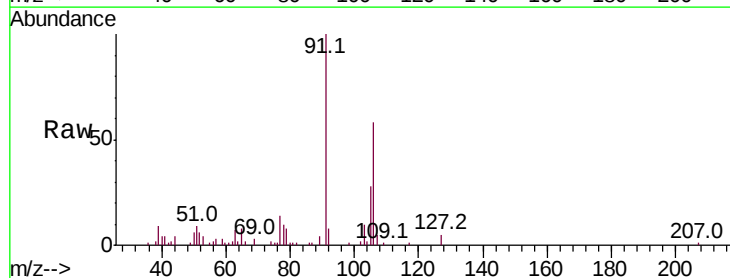
Acq: 23 May 2019 02:39

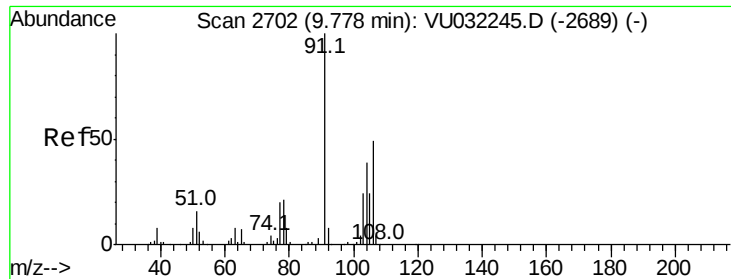
Tgt Ion:106 Resp: 15697

Ion Ratio Lower Upper

106 100

91 173.3 143.9 267.2

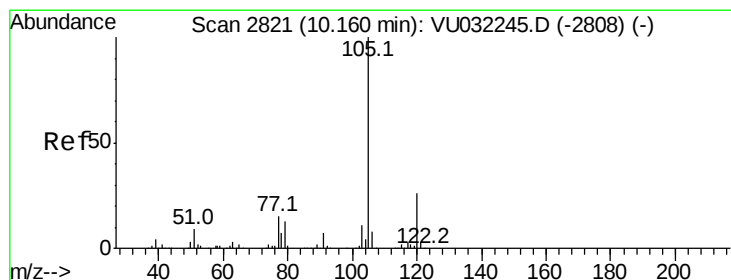
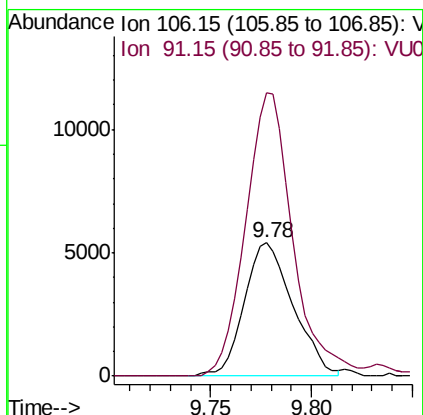
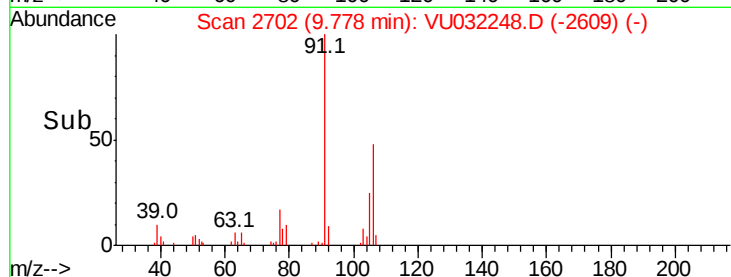
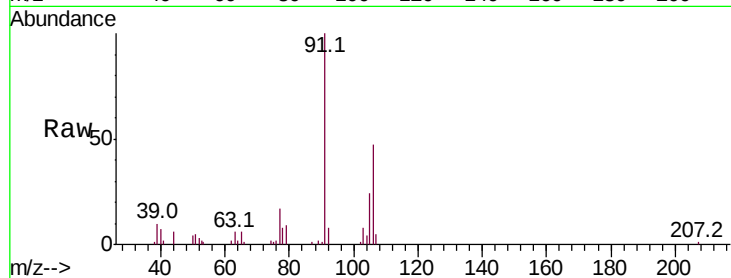




#54
o-Xylene
Concen: 0.437 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU032248.D
Acq: 23 May 2019 02:39

Instrument :
MSVOA_U
ClientSampleId :
E3YF0

Tot Ion:106 Resp: 9167
Ion Ratio Lower Upper
106 100
91 212.1 147.8 274.4



#56
Isopropylbenzene
Concen: 0.138 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. 0.00 min
Lab File: VU032248.D
Acq: 23 May 2019 02:39

Tgt Ion:105 Resp: 7312
Ion Ratio Lower Upper
105 100
120 30.9 21.0 31.6
77 17.4 11.9 17.9

