

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070920\
 Data File : VU039419.D
 Acq On : 10 Jul 2020 01:29
 Operator : SY/MD
 Sample : L3261-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE506

Manual Integrations
 APPROVED

MMDadoda
 7/13/2020 10:49:51 AM

Quant Time: Jul 10 02:53:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 10 02:02:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	112464	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	121510	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	86611	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	26066	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	1.92	69	28709	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.20%
11) 1,1-Dichloroethene-d2	2.58	63	40847	3.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.80%
20) 2-Butanone-d5	4.66	46	111363	37.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	74.68%
24) Chloroform-d	5.08	84	69396	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.73	65	43872	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.75	84	132963	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.71	67	48926	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.91	98	124188	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	8.19	79	24895	5.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	109.80%
46) 2-Hexanone-d5	8.64	63	136306	50.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.26%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	62868	6.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	123.40%#
64) 1,2-Dichlorobenzene-d4	12.19	152	90543	5.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.20%

Target Compounds

					Ovalue
5) Vinyl chloride	1.61	62	50796	5.539	ug/L 90
8) Chloroethane	1.94	64	151242	22.828	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1103	0.169	ug/L # 77
13) Acetone	2.66	43	37188	23.100	ug/L 92
18) trans-1,2-Dichloroethene	3.37	96	1901	0.257	ug/L 84
19) 1,1-Dichloroethane	3.89	63	35303	2.437	ug/L 97
21) 2-Butanone	4.74	43	21084	7.338	ug/L 93
22) cis-1,2-Dichloroethene	4.69	96	266130	32.053	ug/L 96
29) 1,1,1-Trichloroethane	5.34	97	1266	0.088	ug/L # 91
30) Cyclohexane	5.41	56	40266	2.672	ug/L 96
33) Benzene	5.79	78	21452977m	590.533	ug/L
35) Methylcyclohexane	6.78	83	44201	2.938	ug/L # 88
40) 4-Methyl-2-pentanone	7.81	43	62011	7.506	ug/L 99
42) Toluene	7.98	91	25027312m	643.353	ug/L
51) Chlorobenzene	9.45	112	3741416	157.393	ug/L 98
52) Ethylbenzene	9.58	91	6974371	162.223	ug/L 99
53) m,p-Xylene	9.70	106	6852478	423.017	ug/L 96

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 QLast Update : Fri Jul 10 02:02:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	10.11	106	1948564	123.560	ug/L	100
56) Isopropylbenzene	10.48	105	1179418	27.654	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	35007	1.290	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	203449	7.472	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	289515	10.641	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	3079	0.177	ug/L #	80

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

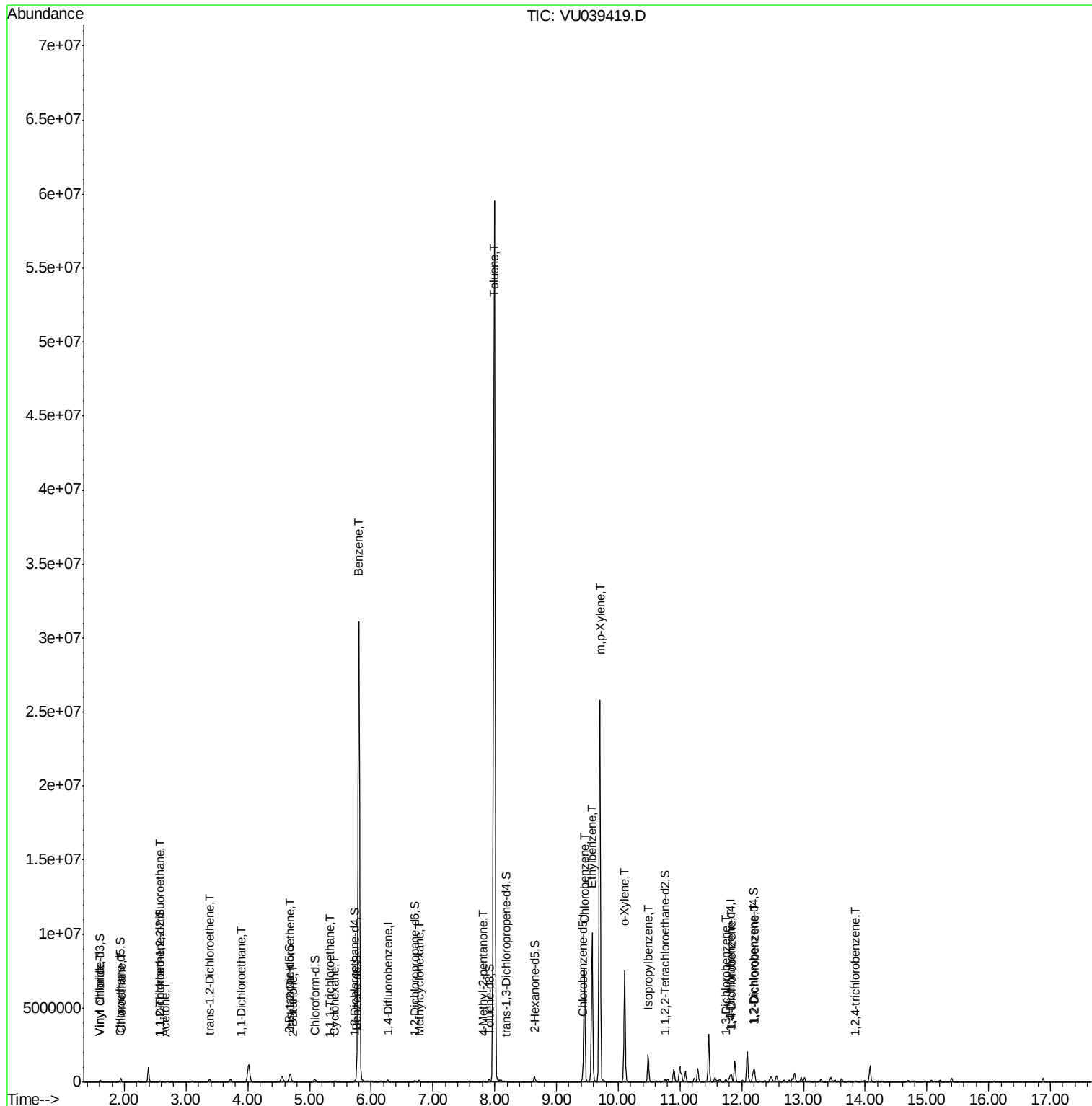
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU070920\
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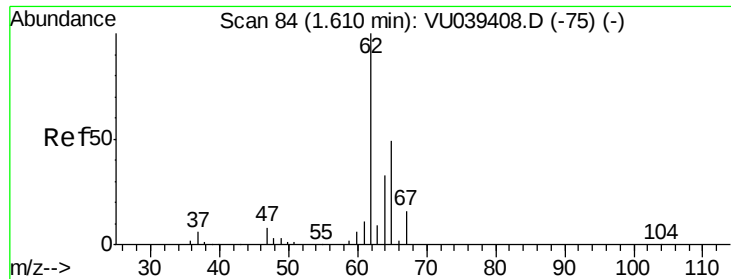
Instrument :
MSVOA_U
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 10 02:02:00 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.539 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039419.D

Acq: 10 Jul 2020 01:29

Instrument :

MSVOA_U

ClientSampled :

BE506

Tot Ion: 62 Resp: 50796

Ion Ratio Lower Upper

62 100

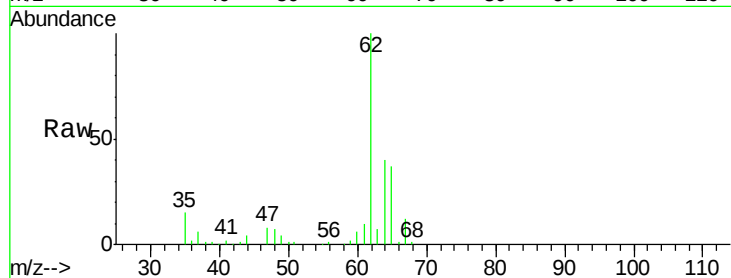
64 39.8 23.7 44.1

Manual Integrations

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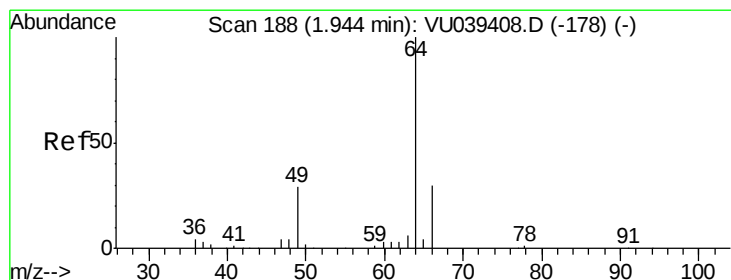
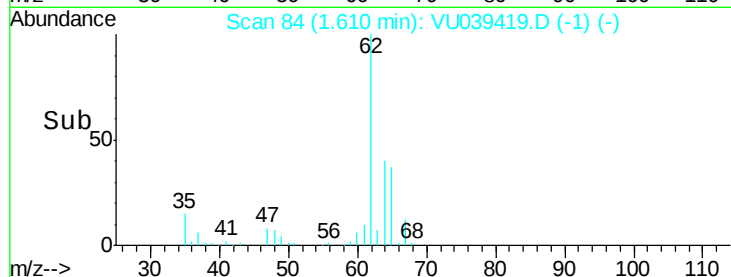
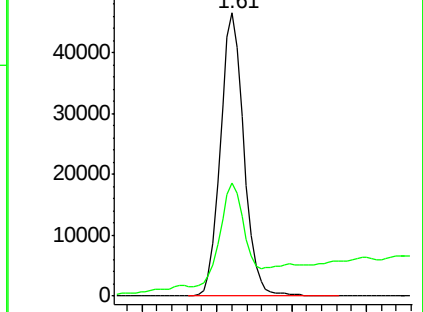
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Abundance Ion 62.00 (61.70 to 62.70): VU039408.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039419.D (-95) (-)



#8

Chloroethane

Concen: 22.828 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU039419.D

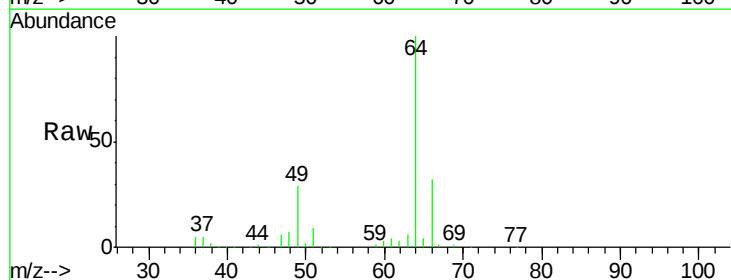
Acq: 10 Jul 2020 01:29

Tgt Ion: 64 Resp: 151242

Ion Ratio Lower Upper

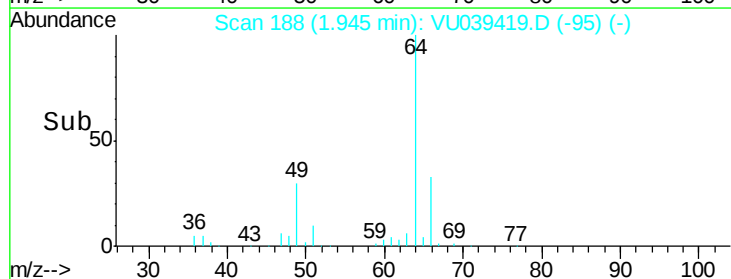
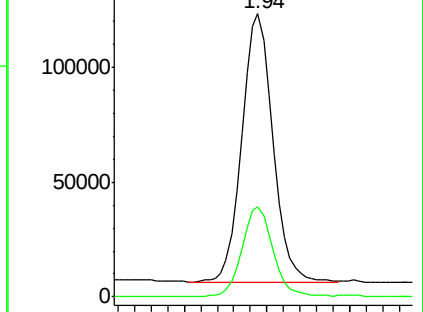
64 100

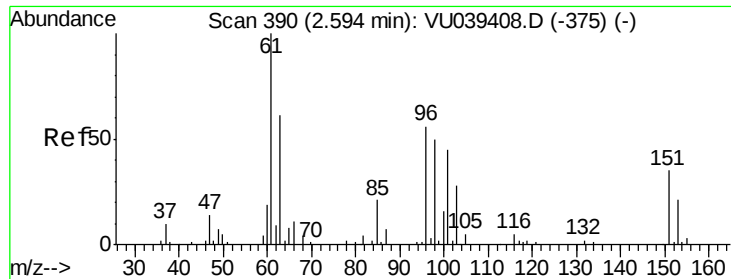
66 32.0 23.5 43.7



Abundance Ion 64.10 (63.80 to 64.80): VU039408.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU039419.D (-95) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.169 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039419.D

Acq: 10 Jul 2020 01:29

Instrument :

MSVOA_U

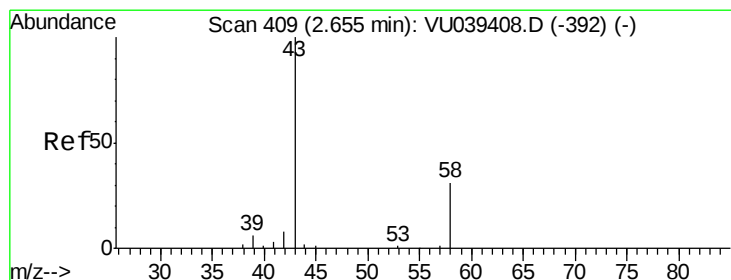
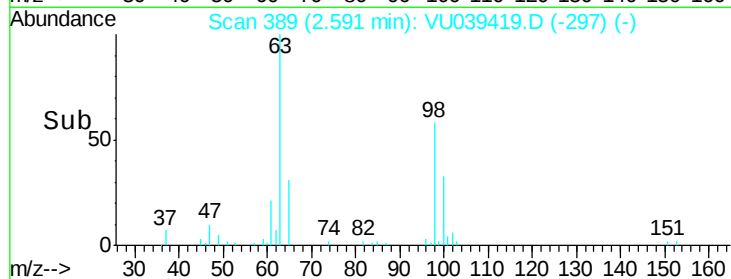
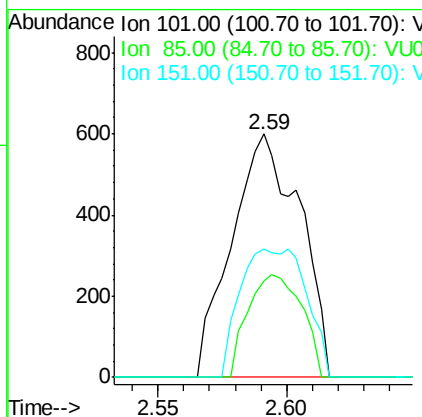
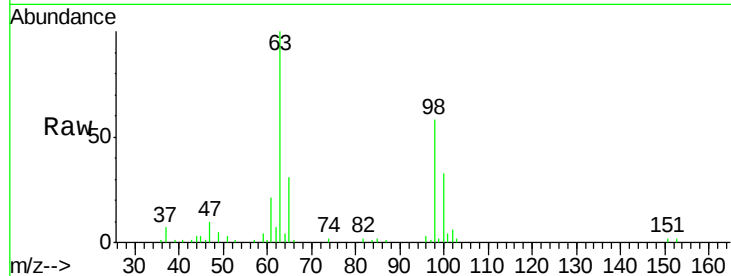
ClientSampleId :

BE506

Tot Ion:	101	Resp:	1103
Ion Ratio	Lower	Upper	
101	100		
85	33.4	38.9	58.3#
151	51.3	57.0	85.4#

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#13

Acetone

Concen: 23.100 ug/L

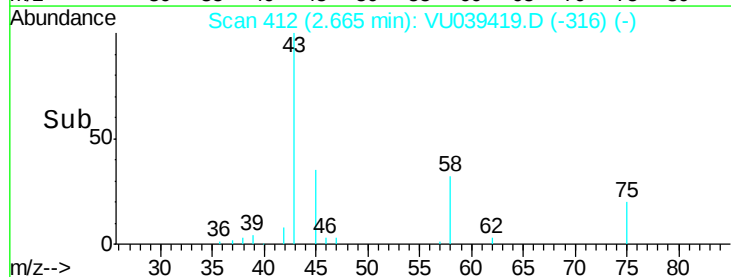
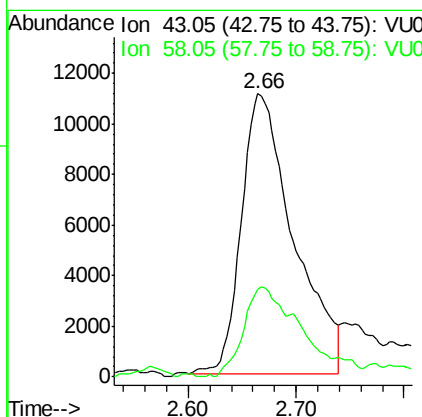
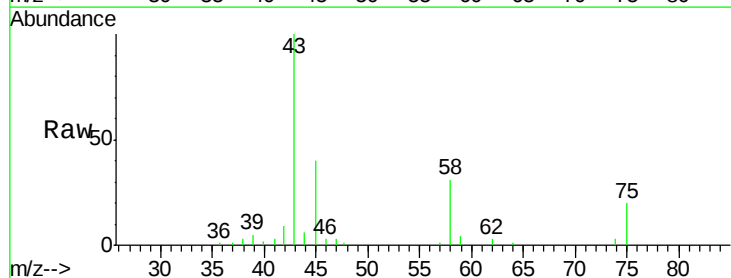
RT: 2.66 min Scan# 412

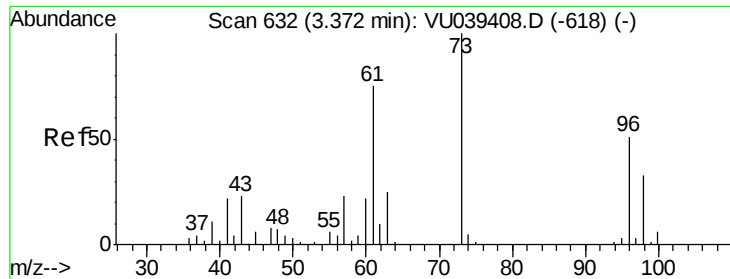
Delta R.T. 0.01 min

Lab File: VU039419.D

Acq: 10 Jul 2020 01:29

Tgt Ion:	43	Resp:	37188
Ion Ratio	Lower	Upper	
43	100		
58	36.1	0.0	62.8





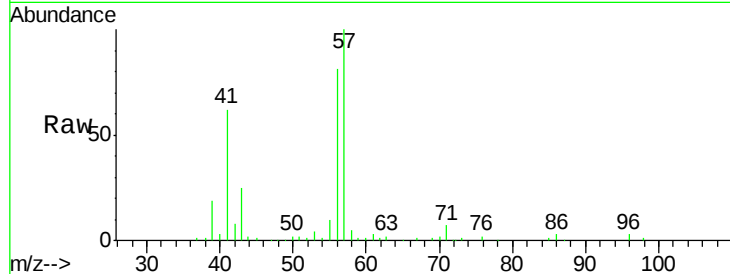
#18
trans-1,2-Dichloroethene
Concen: 0.257 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU039419.D
Acq: 10 Jul 2020 01:29

Instrument :
MSVOA_U
ClientSampleId :
BE506

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.3	102.1	189.5
98	46.0	42.5	78.9

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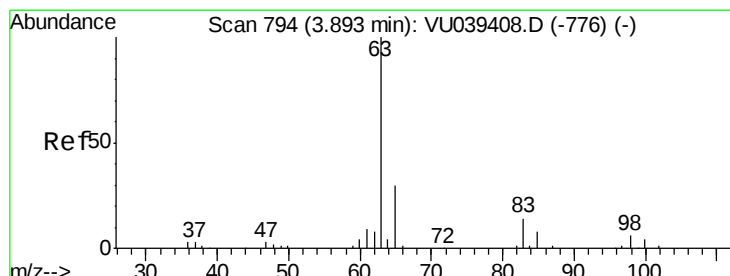
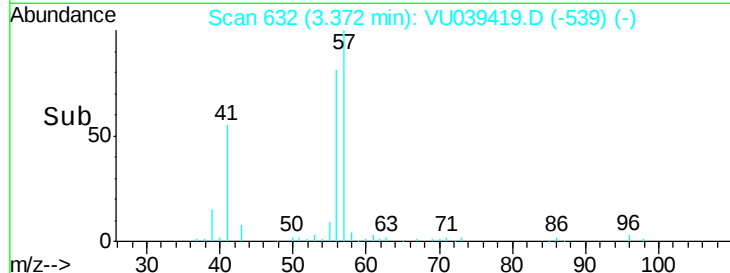
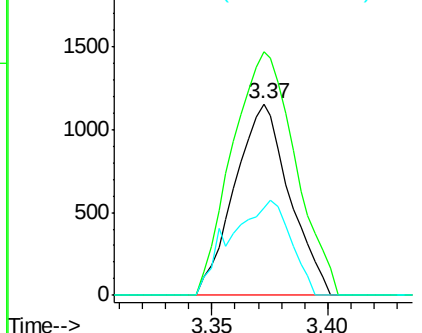
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Abundance Ion 96.00 (95.70 to 96.70): VU039419.D (-539) (-)

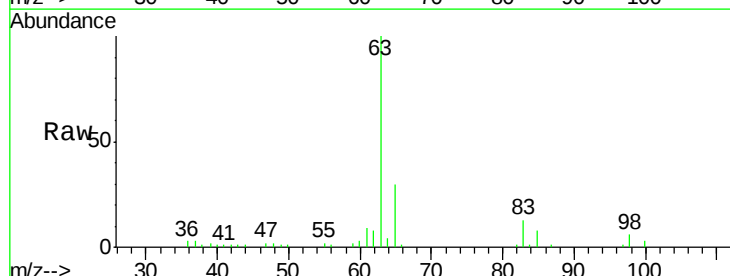
Ion 61.05 (60.75 to 61.75): VU039419.D (-539) (-)

Ion 97.95 (97.65 to 98.65): VU039419.D (-539) (-)



#19
1,1-Dichloroethane
Concen: 2.437 ug/L
RT: 3.89 min Scan# 793
Delta R.T. -0.00 min
Lab File: VU039419.D
Acq: 10 Jul 2020 01:29

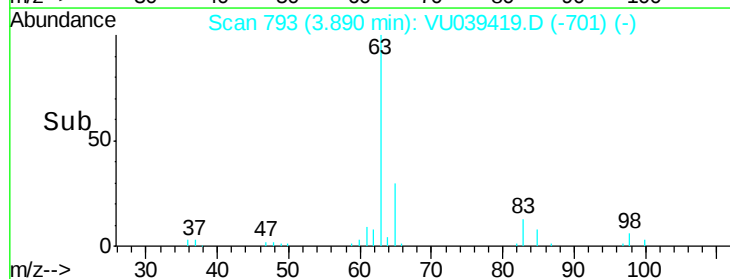
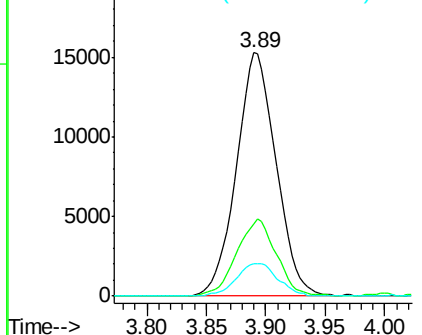
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.5	23.0	42.6
83	13.4	9.6	17.8

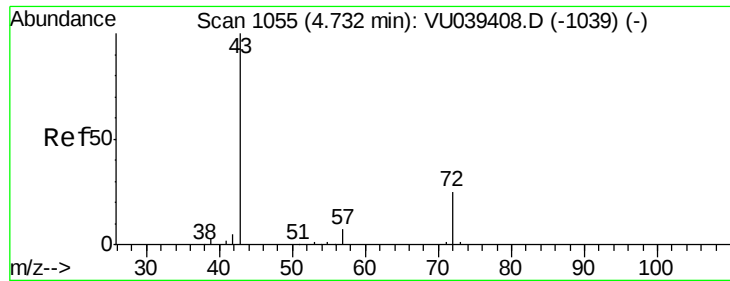


Abundance Ion 63.10 (62.80 to 63.80): VU039419.D (-701) (-)

Ion 65.10 (64.80 to 65.80): VU039419.D (-701) (-)

Ion 83.05 (82.75 to 83.75): VU039419.D (-701) (-)





#21

2-Butanone

Concen: 7.338 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. 0.01 min

Lab File: VU039419.D

Acq: 10 Jul 2020 01:29

Instrument :

MSVOA_U

ClientSampled :

BE506

Tot Ion: 43 Resp: 21084

Ion Ratio Lower Upper

43 100

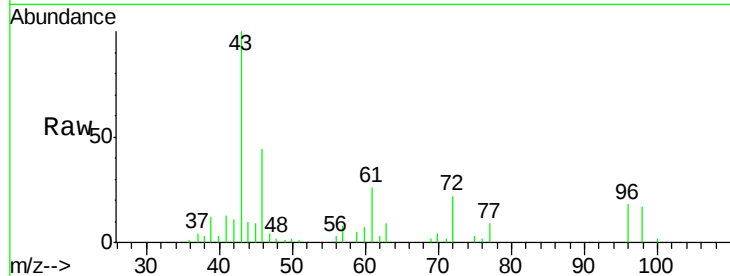
72 22.8 13.2 39.5

Manual Integrations

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Abundance Ion 43.05 (42.75 to 43.75): VU039419.D (-962) (-)

Ion 72.10 (71.80 to 72.80): VU039419.D (-962) (-)

4.74

8000

6000

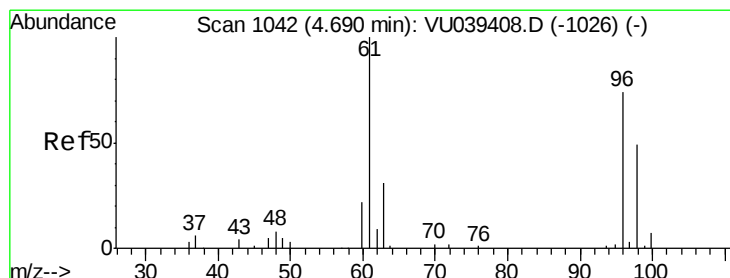
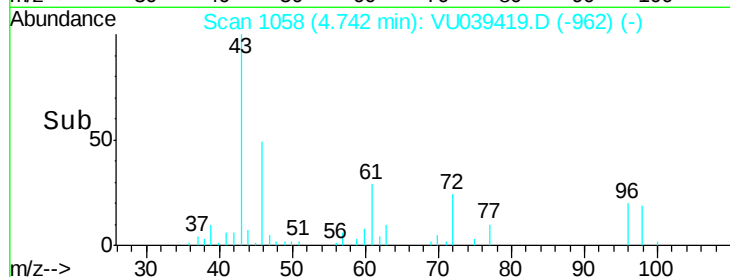
4000

2000

0

4.70 4.80

Time-->



#22

cis-1,2-Dichloroethene

Concen: 32.053 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU039419.D

Acq: 10 Jul 2020 01:29

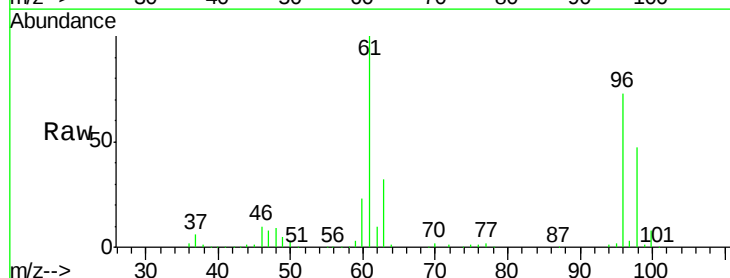
Tgt Ion: 96 Resp: 266130

Ion Ratio Lower Upper

96 100

61 137.7 92.8 172.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039419.D (-949) (-)

Ion 61.05 (60.75 to 61.75): VU039419.D (-949) (-)

Ion 68.15 (67.85 to 68.85): VU039419.D (-949) (-)

4.69

200000

150000

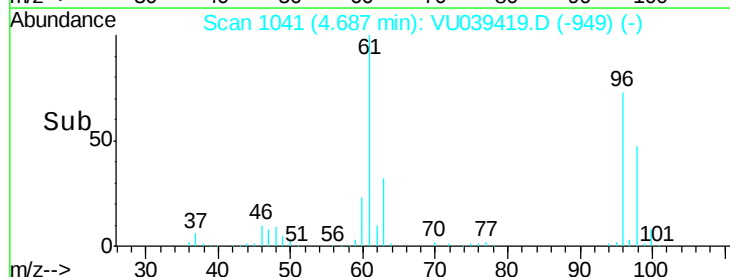
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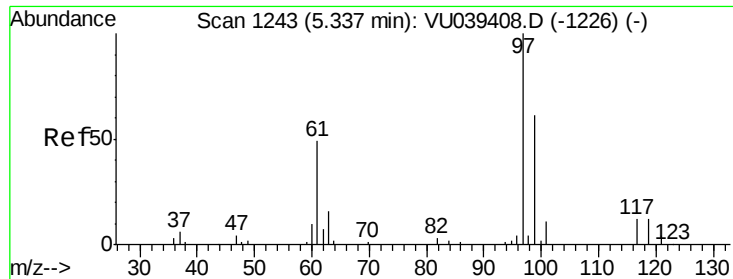
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0

4.60 4.70 4.80

Time-->





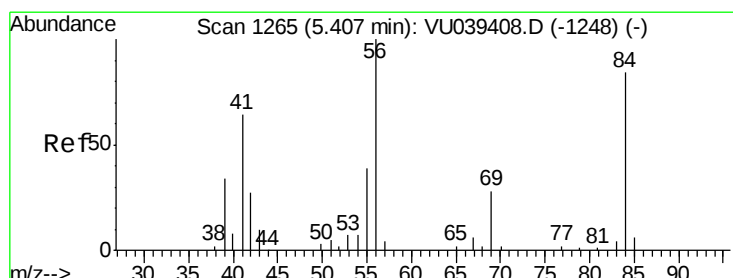
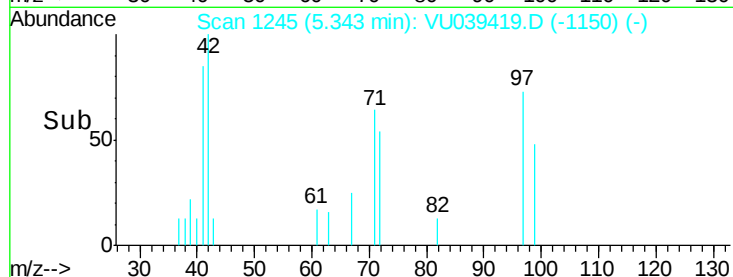
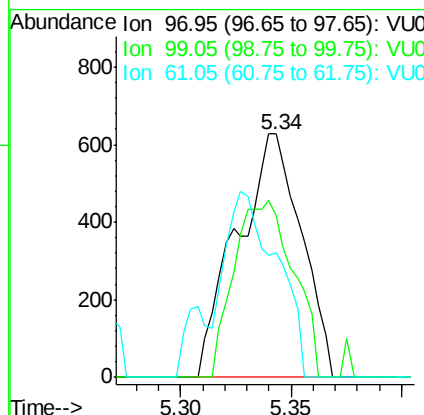
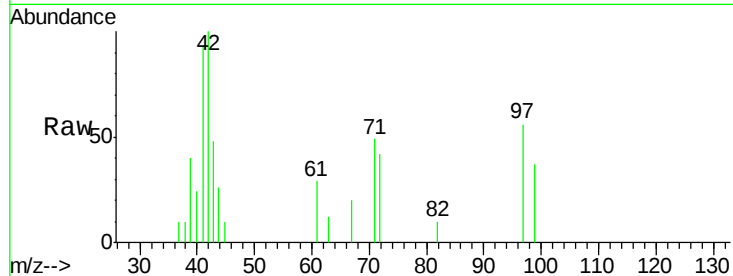
#29
1,1,1-Trichloroethane
Concen: 0.088 ug/L
RT: 5.34 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VU039419.D
Acq: 10 Jul 2020 01:29

Instrument :
MSVOA_U
ClientSampled :
BE506

Tot Ion	Ratio	Lower	Upper
97	100		
99	67.0	52.6	79.0
61	61.2	37.9	56.9

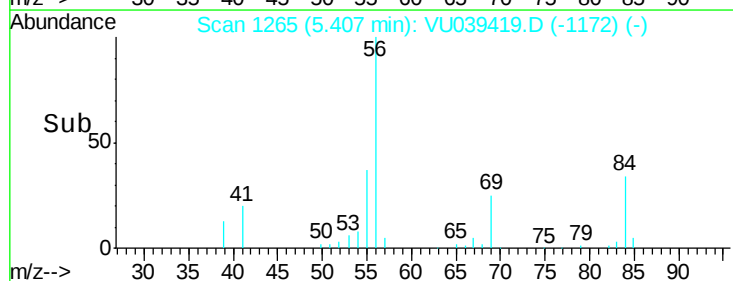
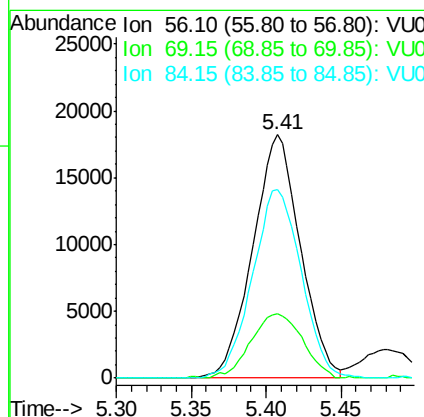
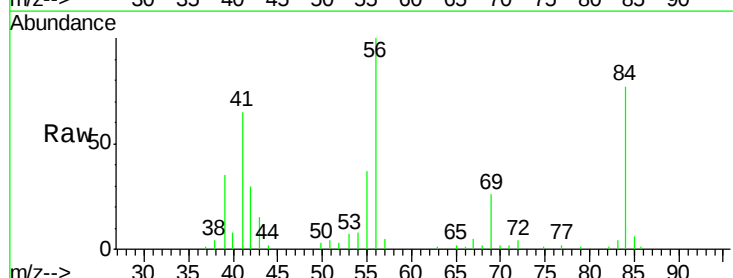
Manual Integrations
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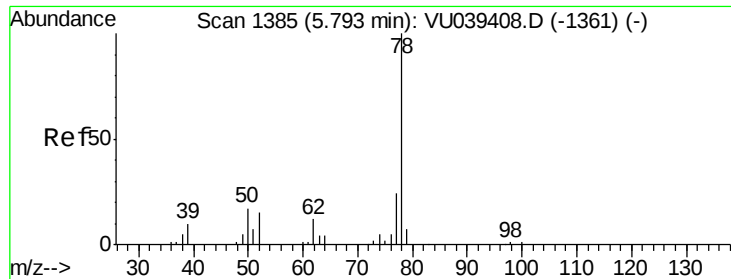
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7/13/2020 10:49:51 AM



#30
Cyclohexane
Concen: 2.672 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU039419.D
Acq: 10 Jul 2020 01:29

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.8	24.1	36.1
84	79.5	67.0	100.6





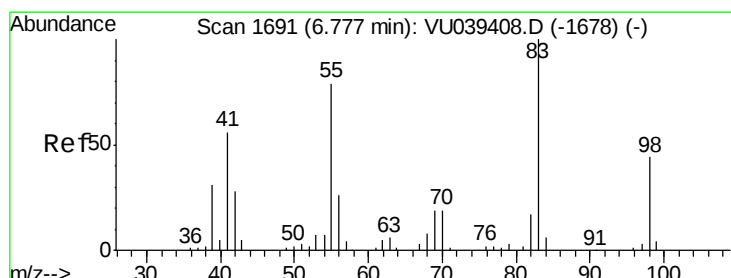
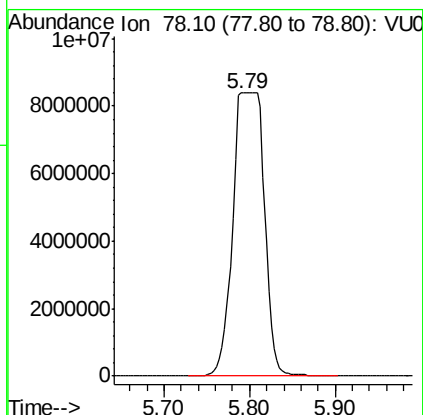
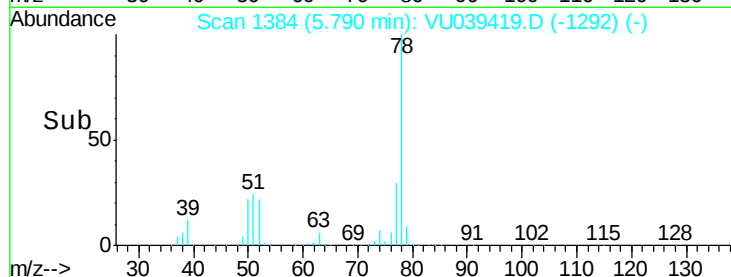
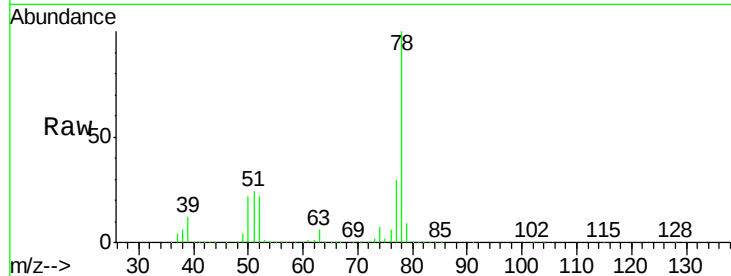
#33
Benzene
Concen: 590.533 ug/L m
RT: 5.79 min Scan# 1384
Delta R.T. -0.00 min
Lab File: VU039419.D
Acq: 10 Jul 2020 01:29

Instrument :
MSVOA_U
ClientSampleId :
BE506

Tgt Ion: 78 Resp:21452977

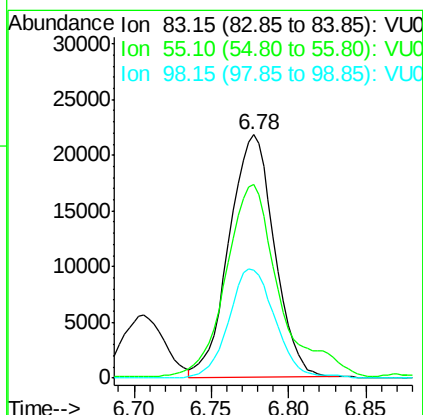
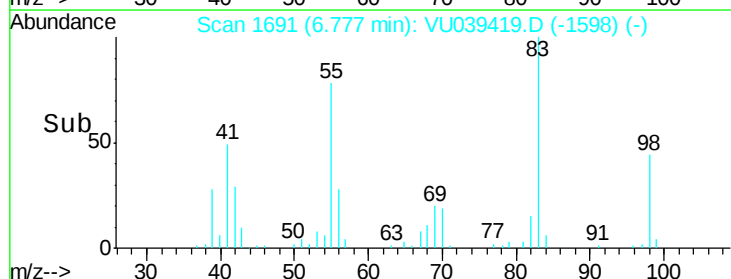
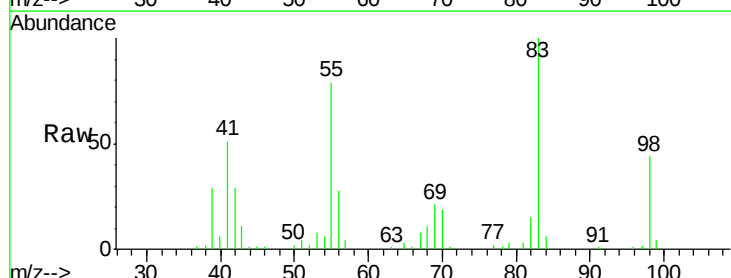
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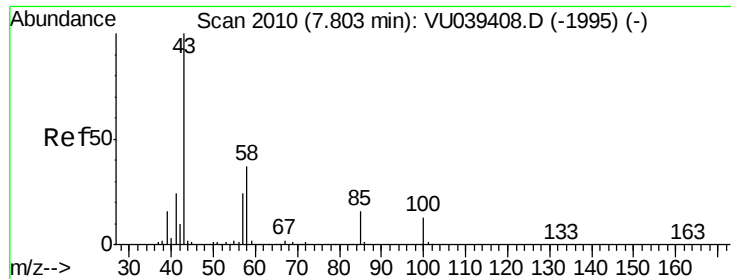
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#35
Methylcyclohexane
Concen: 2.938 ug/L
RT: 6.78 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VU039419.D
Acq: 10 Jul 2020 01:29

Tgt Ion: 83 Resp: 44201
Ion Ratio Lower Upper
83 100
55 93.5 62.1 93.1#
98 46.0 35.9 53.9





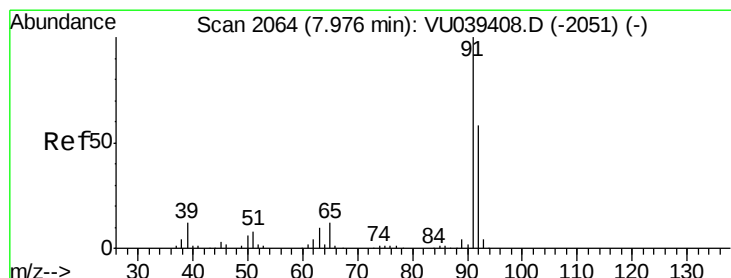
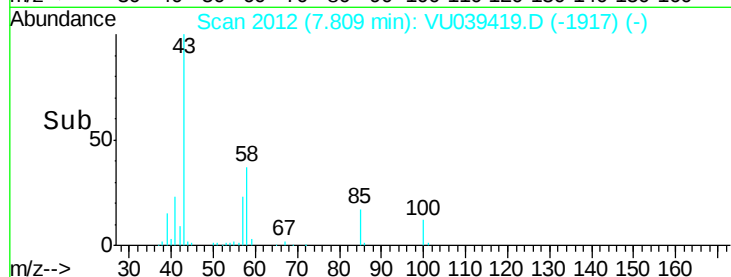
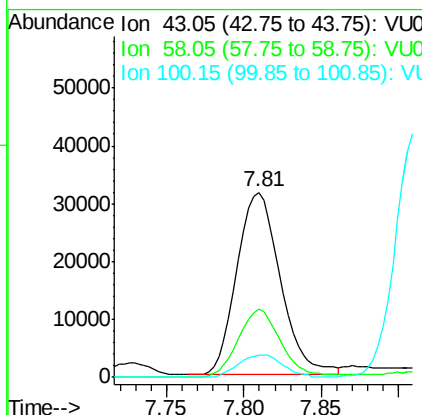
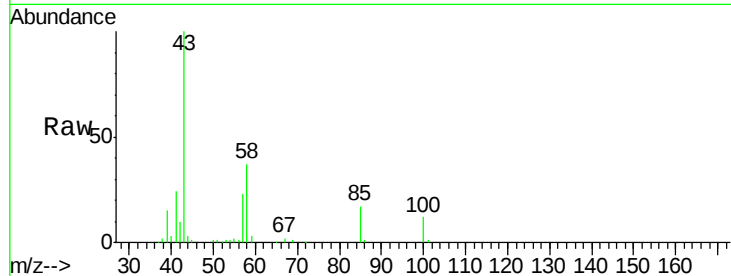
#40
4-Methyl-2-pentanone
Concen: 7.506 ug/L
RT: 7.81 min Scan# 2012
Delta R.T. 0.01 min
Lab File: VU039419.D
Acq: 10 Jul 2020 01:29

Instrument :
MSVOA_U
ClientSampled :
BE506

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.0	30.5	45.7
100	12.6	10.3	15.5

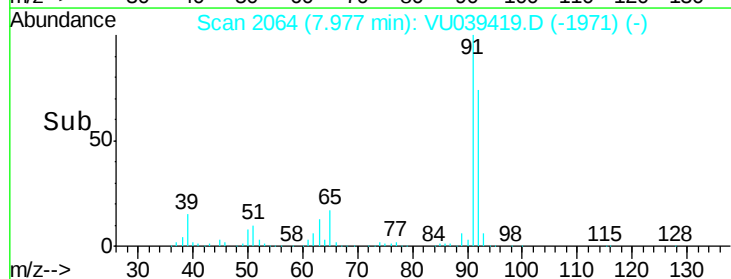
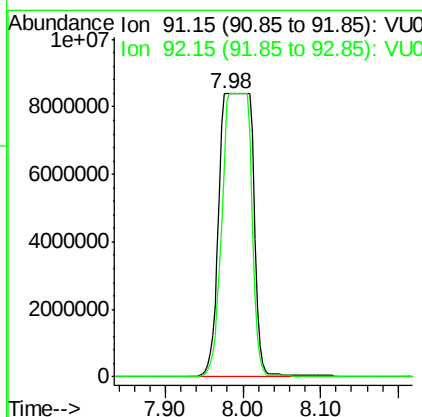
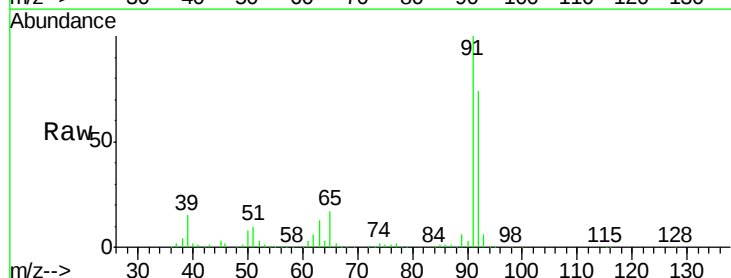
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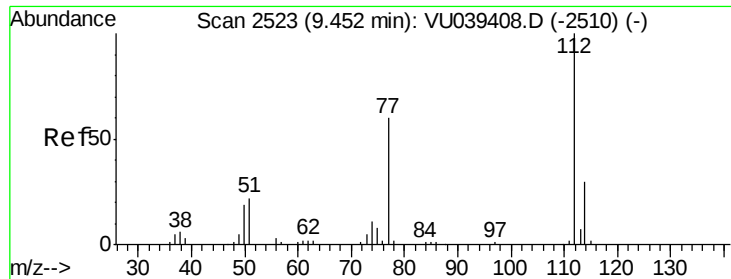
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#42
Toluene
Concen: 643.353 ug/L m
RT: 7.98 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VU039419.D
Acq: 10 Jul 2020 01:29

Tgt Ion	Ratio	Lower	Upper
91	100		
92	73.7	39.3	73.1





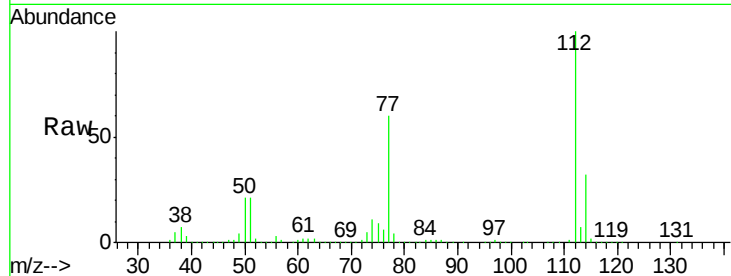
#51
Chlorobenzene
Concen: 157.393 ug/L
RT: 9.45 min Scan# 2523
Delta R.T. 0.00 min
Lab File: VU039419.D
Acq: 10 Jul 2020 01:29

Instrument :
MSVOA_U
ClientSampleId :
BE506

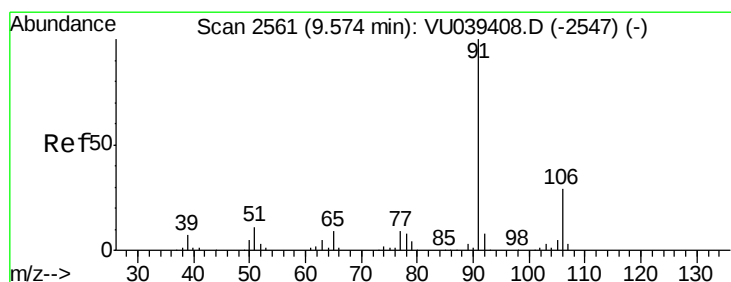
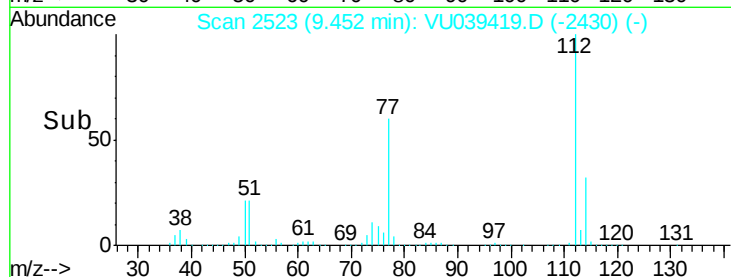
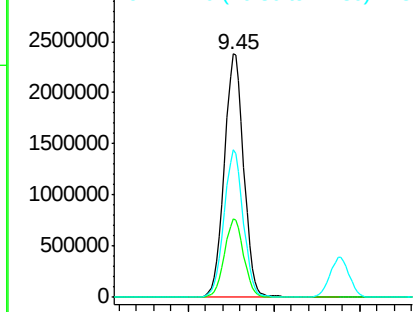
Tot Ion:112 Resp: 3741416
Ion Ratio Lower Upper
112 100
114 32.0 22.1 41.1
77 60.5 49.9 74.9

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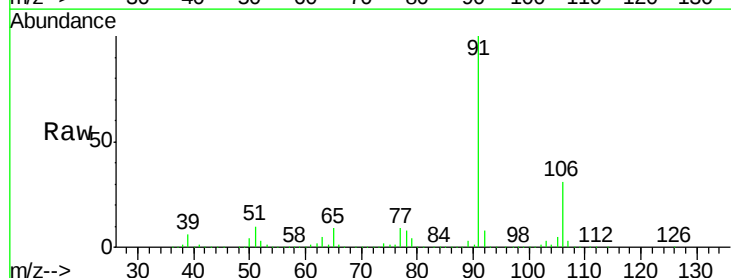


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

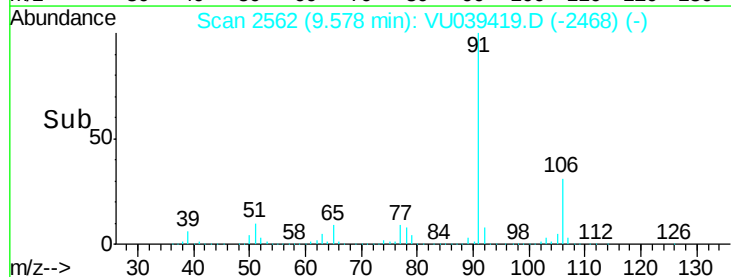
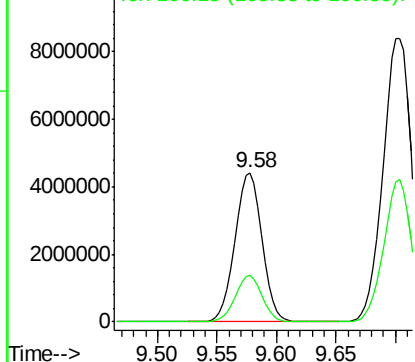


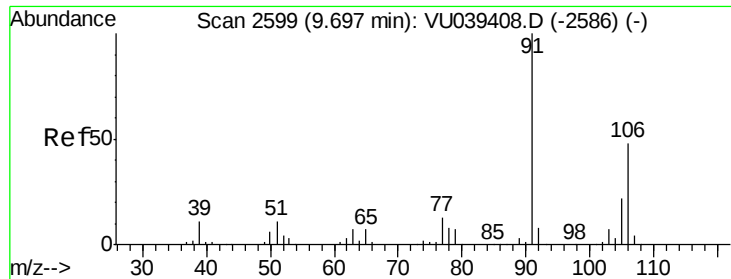
#52
Ethylbenzene
Concen: 162.223 ug/L
RT: 9.58 min Scan# 2562
Delta R.T. 0.00 min
Lab File: VU039419.D
Acq: 10 Jul 2020 01:29

Tgt Ion: 91 Resp: 6974371
Ion Ratio Lower Upper
91 100
106 30.9 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 106.15 (105.85 to 106.85): V





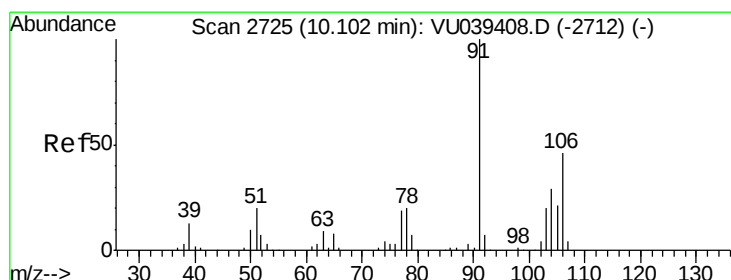
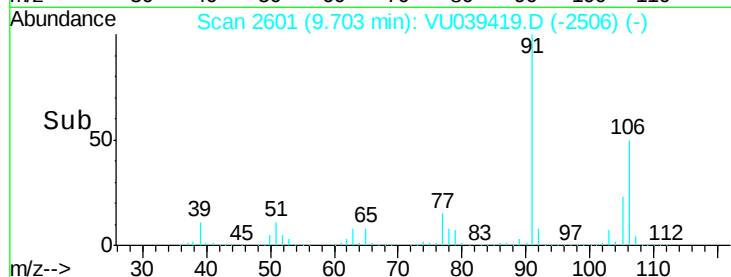
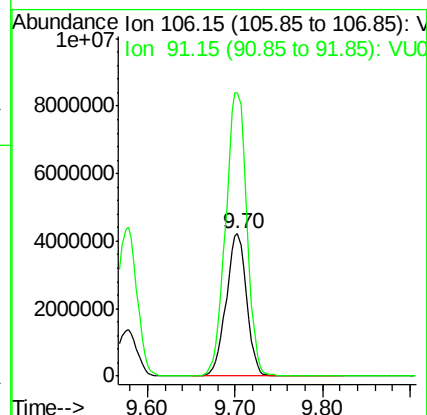
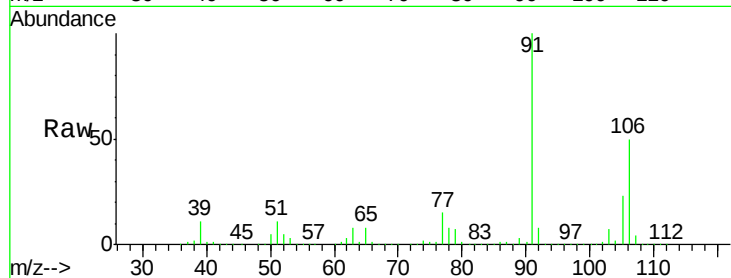
#53
m,p-Xylene
Concen: 423.017 ug/L
RT: 9.70 min Scan# 2601
Delta R.T. 0.01 min
Lab File: VU039419.D
Acq: 10 Jul 2020 01:29

Instrument :
MSVOA_U
ClientSampled :
BE506

Tot Ion:106 Resp: 6852478
Ion Ratio Lower Upper
106 100
91 199.2 144.0 267.4

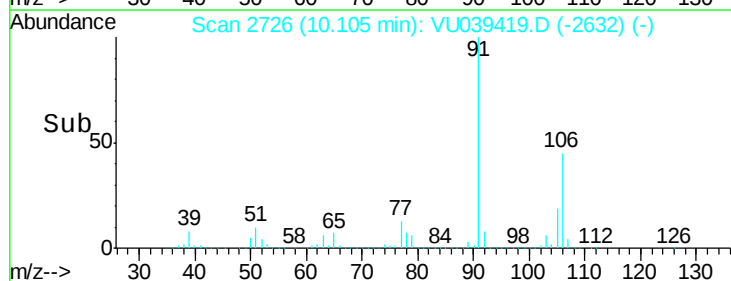
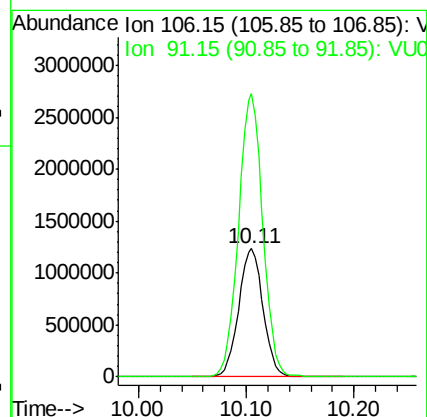
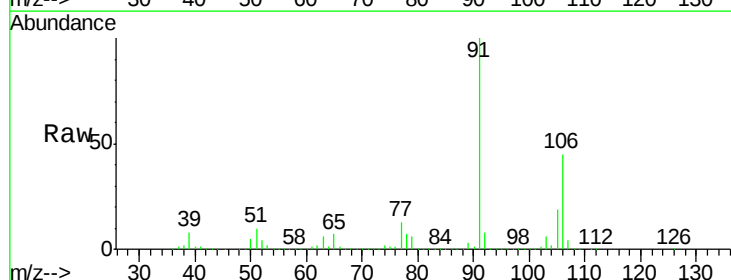
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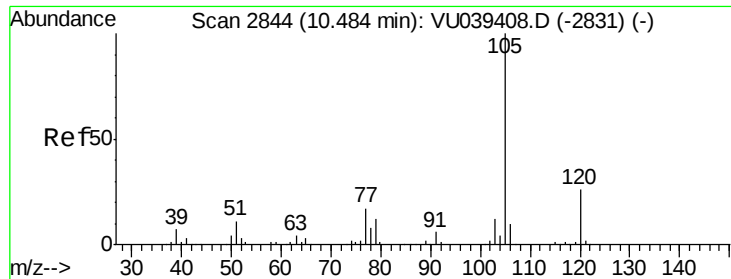
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#54
o-Xylene
Concen: 123.560 ug/L
RT: 10.11 min Scan# 2726
Delta R.T. 0.00 min
Lab File: VU039419.D
Acq: 10 Jul 2020 01:29

Tgt Ion:106 Resp: 1948564
Ion Ratio Lower Upper
106 100
91 220.5 154.6 287.2





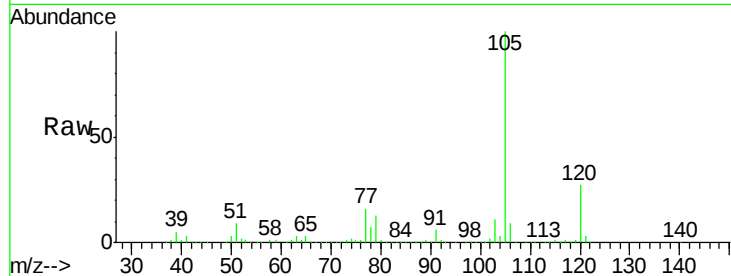
#56
Isopropylbenzene
Concen: 27.654 ug/L
RT: 10.48 min Scan# 2844
Delta R.T. 0.00 min
Lab File: VU039419.D
Acq: 10 Jul 2020 01:29

Instrument :
MSVOA_U
ClientSampleId :
BE506

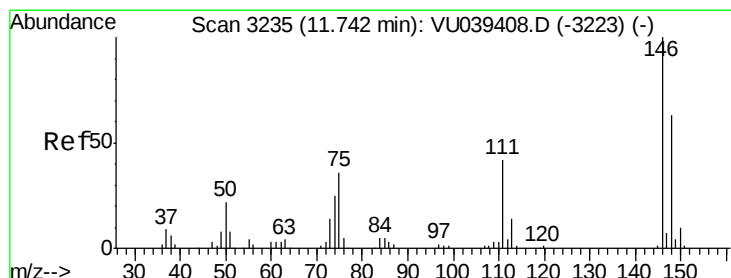
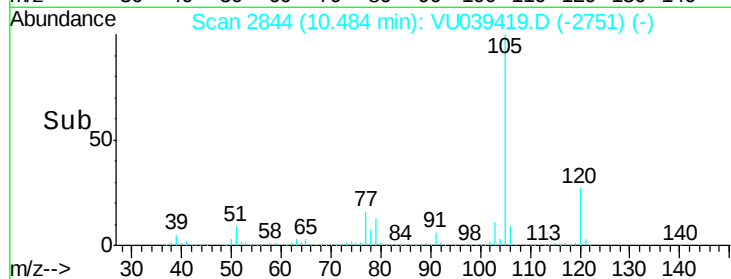
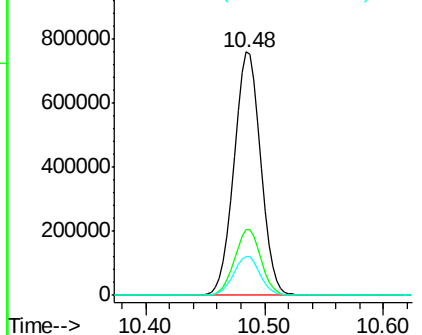
Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	20.7	31.1
77	16.1	13.9	20.9

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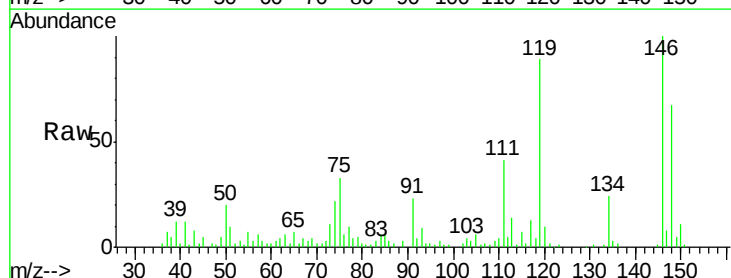


Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V

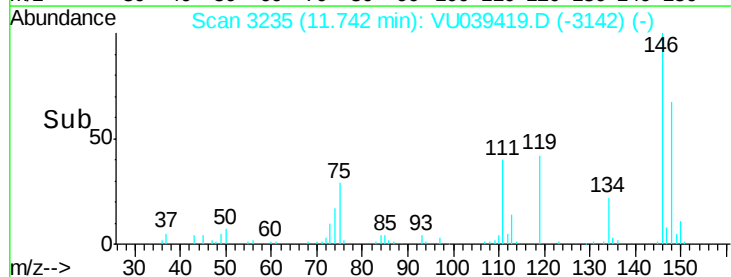
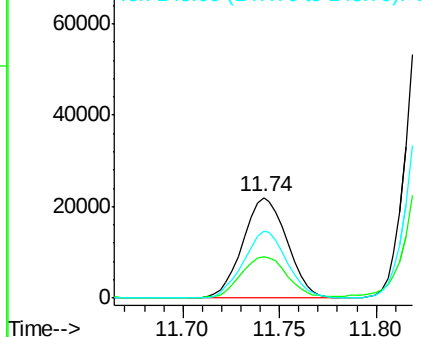


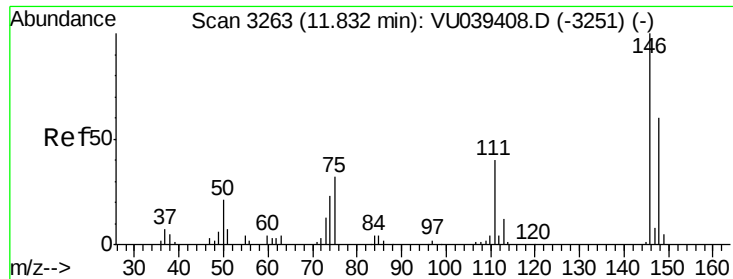
#62
1,3-Dichlorobenzene
Concen: 1.290 ug/L
RT: 11.74 min Scan# 3235
Delta R.T. 0.00 min
Lab File: VU039419.D
Acq: 10 Jul 2020 01:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	29.0	53.8
148	66.8	43.5	80.9



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 7.472 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU039419.D

Acq: 10 Jul 2020 01:29

Instrument :

MSVOA_U

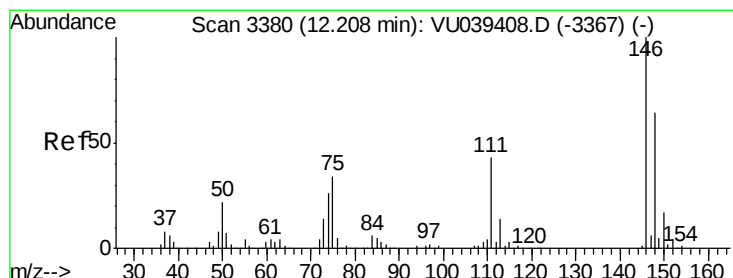
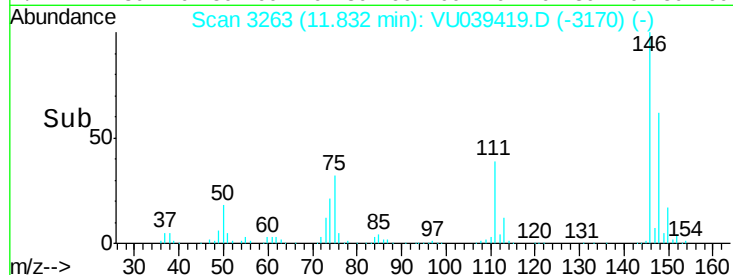
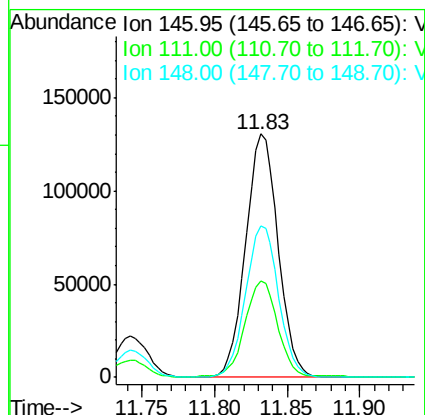
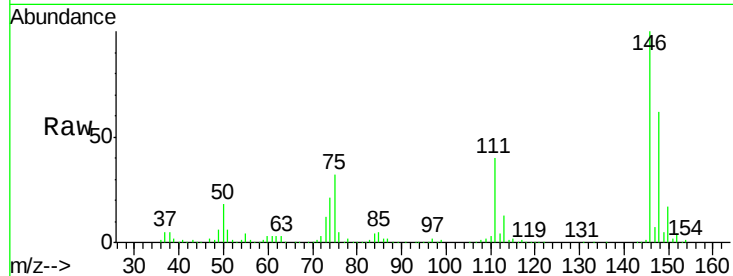
ClientSampleId :

BE506

Tot Ion:	146	Resp:	203449
Ion Ratio	Lower	Upper	
146	100		
111	39.5	28.6	53.0
148	62.2	45.0	83.6

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#65

1,2-Dichlorobenzene

Concen: 10.641 ug/L

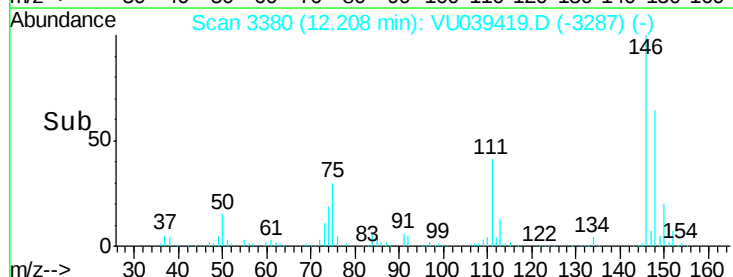
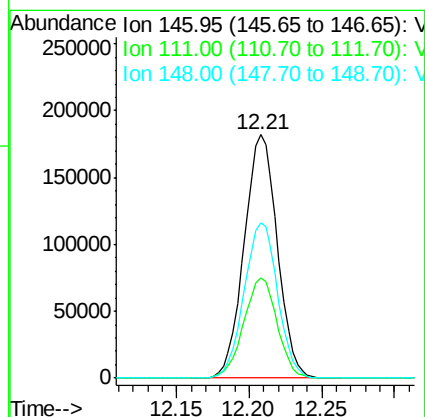
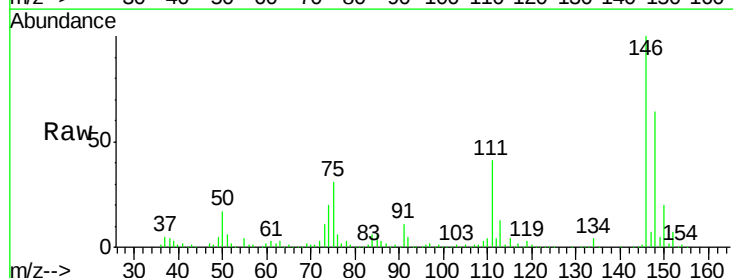
RT: 12.21 min Scan# 3380

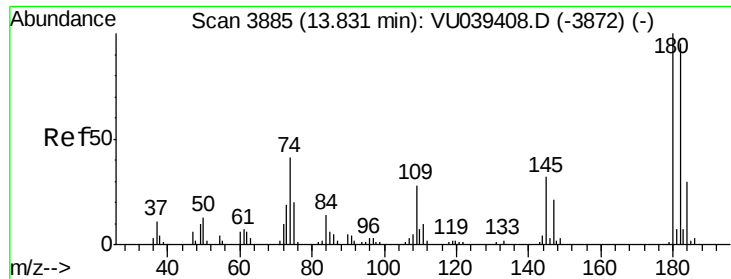
Delta R.T. 0.00 min

Lab File: VU039419.D

Acq: 10 Jul 2020 01:29

Tgt Ion:	146	Resp:	289515
Ion Ratio	Lower	Upper	
146	100		
111	41.3	35.0	52.4
148	64.0	50.6	75.8





#68
 1,2,4-trichlorobenzene
 Concen: 0.177 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039419.D
 Acq: 10 Jul 2020 01:29

Instrument :
 MSVOA_U
 ClientSampleId :
 BE506

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	79.4	119.2
145	76.1	26.4	39.6

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