

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063020\
 Data File : VU039268.D
 Acq On : 01 Jul 2020 08:29
 Operator : SY/MD
 Sample : L3134-08MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETYK5MSD

Quant Time: Jul 01 10:38:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR063020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 01 08:49:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	191711	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	223054	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	83772	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	73215	5.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.60%
7) Chloroethane-d5	1.93	69	50137	4.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.20%
11) 1,1-Dichloroethene-d2	2.59	63	133565	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.80%
20) 2-Butanone-d5	4.67	46	158977	29.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	59.32%
24) Chloroform-d	5.10	84	123968	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.74	65	73796	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
32) Benzene-d6	5.76	84	229073	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.40%
36) 1,2-Dichloropropane-d6	6.72	67	70249	3.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	73.40%
41) Toluene-d8	7.92	98	185017	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.20%
43) trans-1,3-Dichloropropene-	8.20	79	30272	3.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.20%
46) 2-Hexanone-d5	8.65	63	152229	34.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	68.68%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	53691	2.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	57.20%#
64) 1,2-Dichlorobenzene-d4	12.20	152	72288	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

					Qvalue
5) Vinyl chloride	1.62	62	21750	1.148 ug/L	94
12) 1,1-Dichloroethene	2.61	96	69691	5.105 ug/L	94
13) Acetone	2.67	43	7211	2.207 ug/L #	19
16) Methylene chloride	3.07	84	1147	0.062 ug/L	90
18) trans-1,2-Dichloroethene	3.39	96	1281	0.092 ug/L #	73
21) 2-Butanone	4.75	43	7074	1.378 ug/L	89
22) cis-1,2-Dichloroethene	4.70	96	42758	2.894 ug/L	93
27) 1,2-Dichloroethane	5.81	62	3291	0.161 ug/L #	76
33) Benzene	5.81	78	298452	4.561 ug/L	100
34) Trichloroethene	6.57	95	77818	4.524 ug/L	96
35) Methylcyclohexane	6.72	83	17655	0.687 ug/L #	17
37) 1,2-Dichloropropane	6.72	63	8666	0.490 ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	2232	0.089 ug/L #	51
42) Toluene	7.99	91	306296	4.567 ug/L	99
48) 2-Hexanone	8.70	43	12536	1.225 ug/L	92
51) Chlorobenzene	9.47	112	233177	5.321 ug/L	99
59) 1,2,3-Trichloropropane	11.82	75	11279	0.824 ug/L #	44

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 01 08:49:01 2020
Response via : Initial Calibration

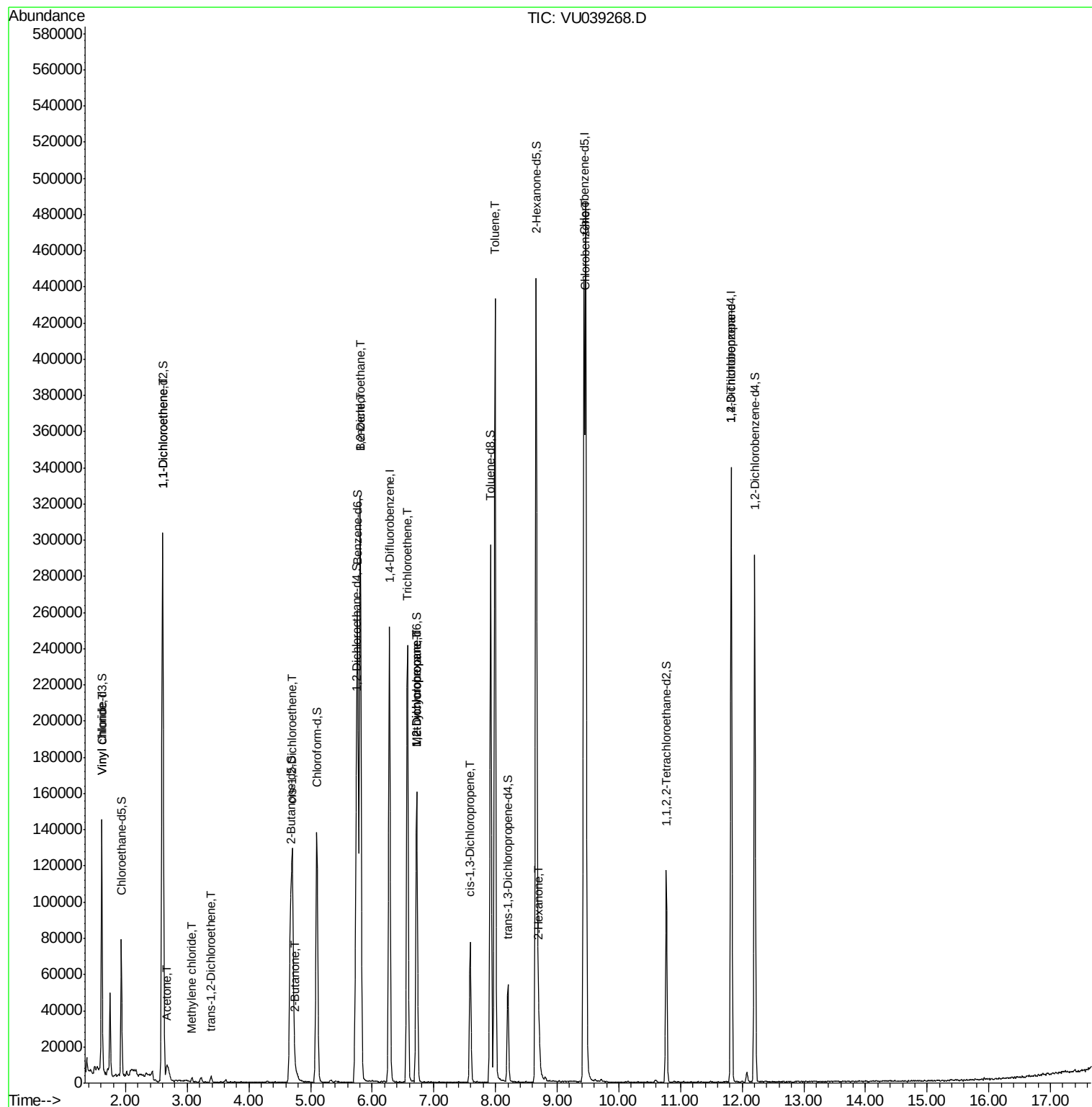
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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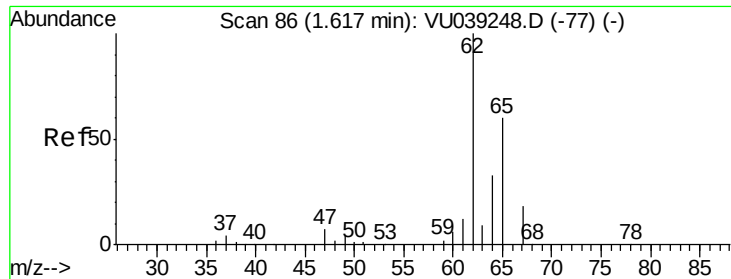
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 01 08:49:01 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.148 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU039268.D

Acq: 01 Jul 2020 08:29

Instrument :

MSVOA_U

ClientSampleId :

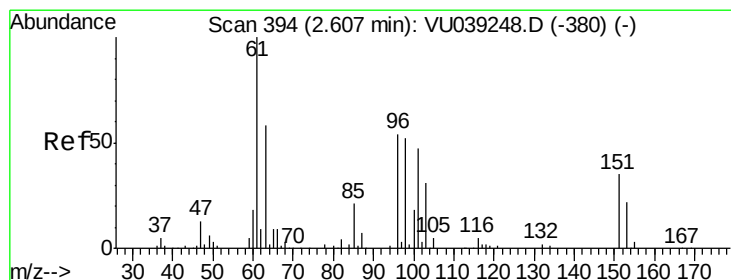
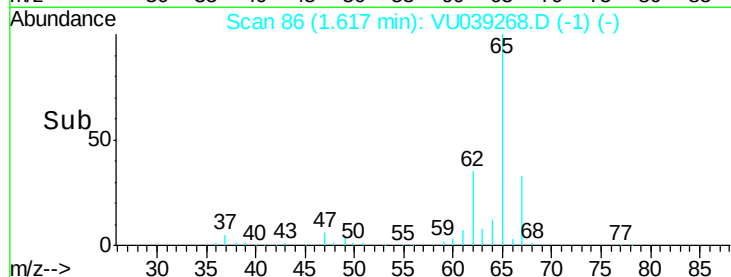
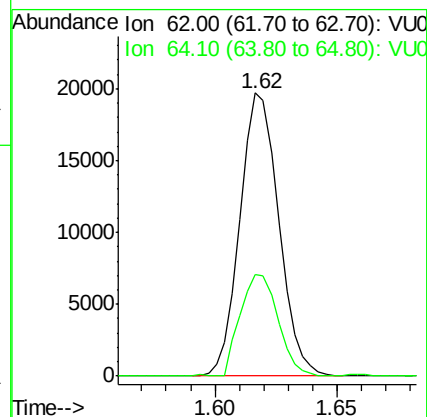
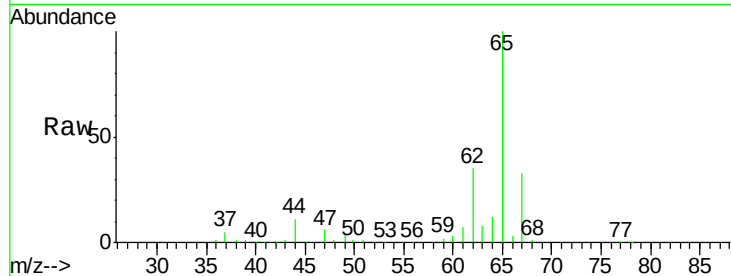
ETVK5MSD

Tgt Ion: 62 Resp: 21750

Ion Ratio Lower Upper

62 100

64 35.8 22.8 42.4



#12

1,1-Dichloroethene

Concen: 5.105 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039268.D

Acq: 01 Jul 2020 08:29

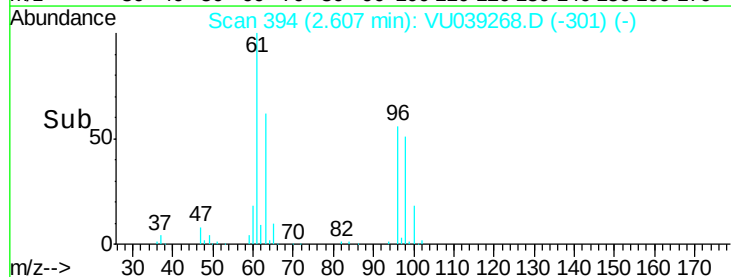
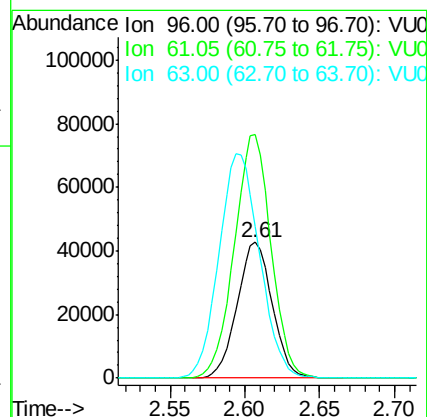
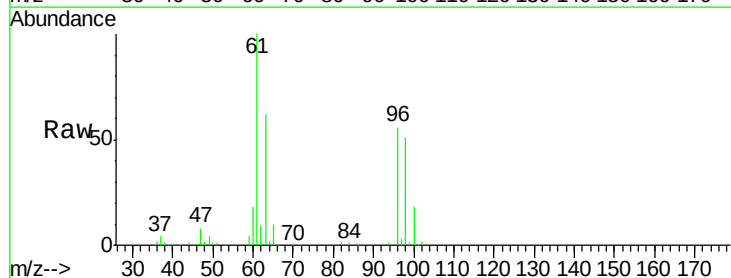
Tgt Ion: 96 Resp: 69691

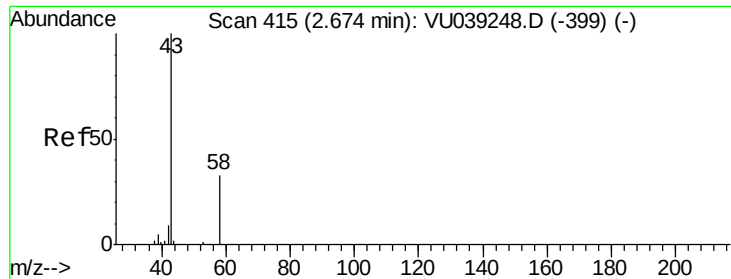
Ion Ratio Lower Upper

96 100

61 179.2 129.1 239.7

63 111.2 85.5 158.7





#13

Acetone

Concen: 2.207 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU039268.D

Acq: 01 Jul 2020 08:29

Instrument :

MSVOA_U

ClientSampleId :

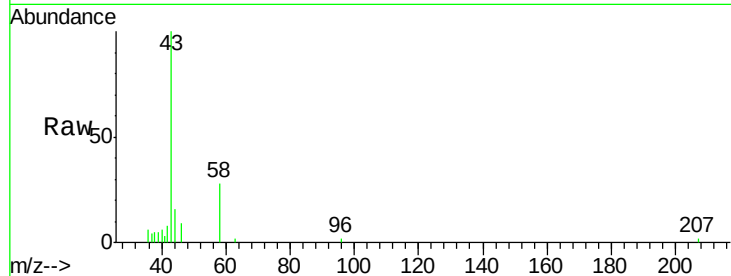
ETVK5MSD

Tgt Ion: 43 Resp: 7211

Ion Ratio Lower Upper

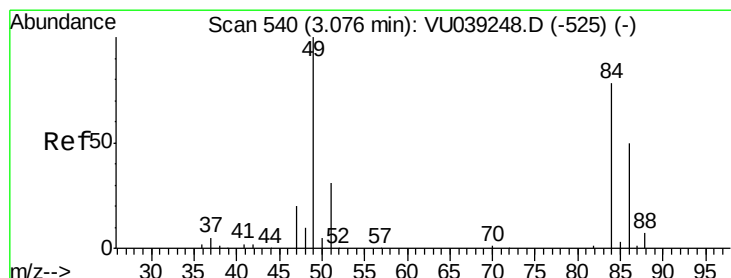
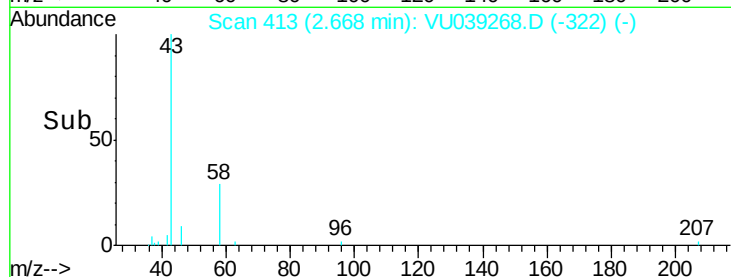
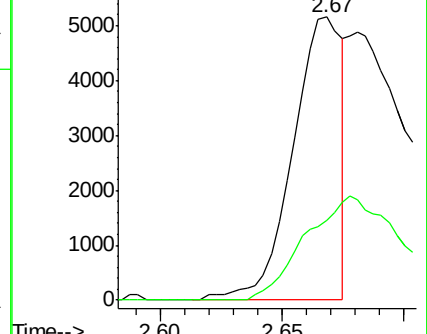
43 100

58 74.6 0.0 61.0#



Abundance Ion 43.05 (42.75 to 43.75): VU039268.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU039268.D (-399) (-)



#16

Methylene chloride

Concen: 0.062 ug/L

RT: 3.07 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU039268.D

Acq: 01 Jul 2020 08:29

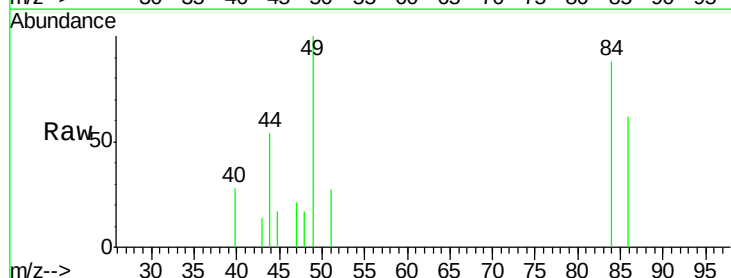
Tgt Ion: 84 Resp: 1147

Ion Ratio Lower Upper

84 100

86 70.6 44.9 83.5

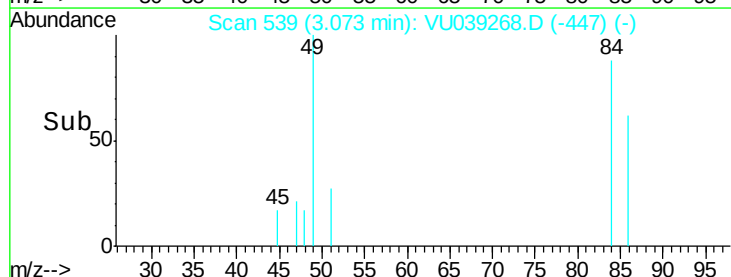
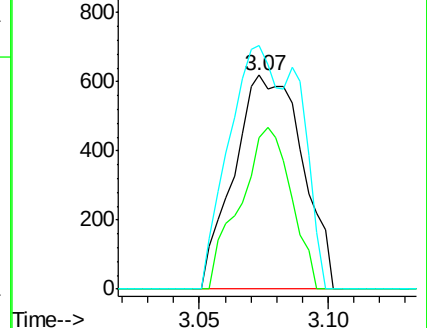
49 113.9 88.4 164.2

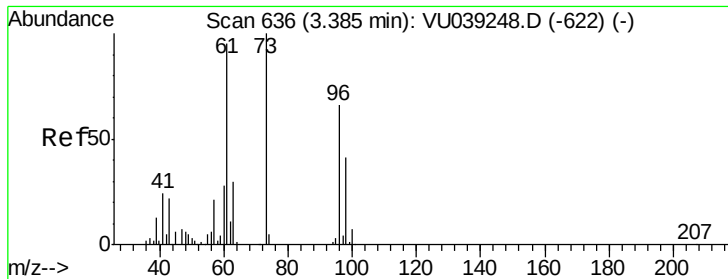


Abundance Ion 84.05 (83.75 to 84.75): VU039268.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU039268.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU039268.D (-525) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.092 ug/L

RT: 3.39 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU039268.D

Acq: 01 Jul 2020 08:29

Instrument :

MSVOA_U

ClientSampleId :

ETYK5MSD

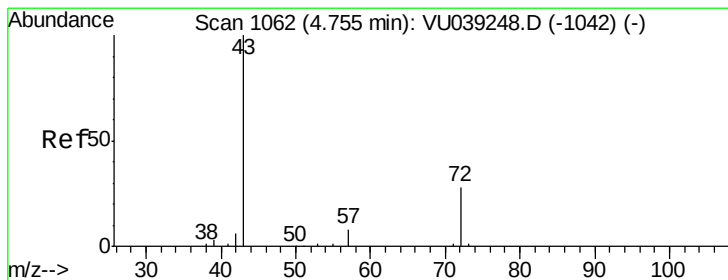
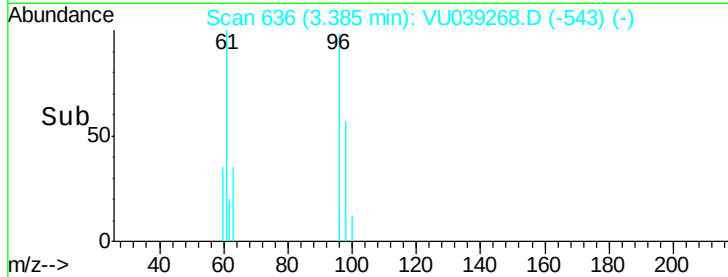
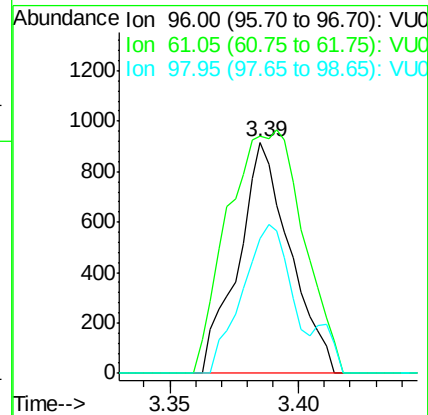
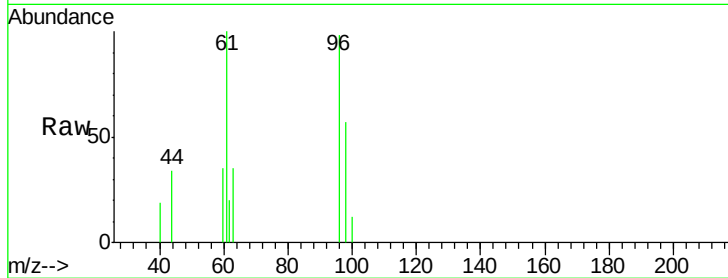
Tgt Ion: 96 Resp: 1281

Ion Ratio Lower Upper

96 100

61 102.4 103.3 191.8#

98 58.5 44.0 81.8



#21

2-Butanone

Concen: 1.378 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VU039268.D

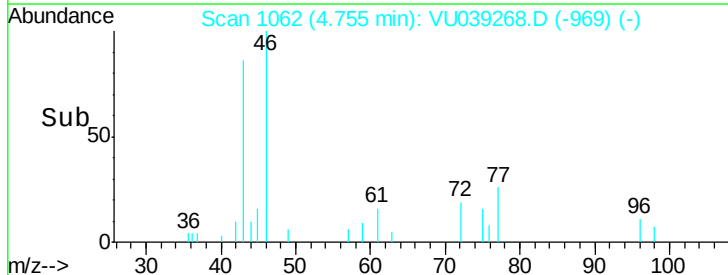
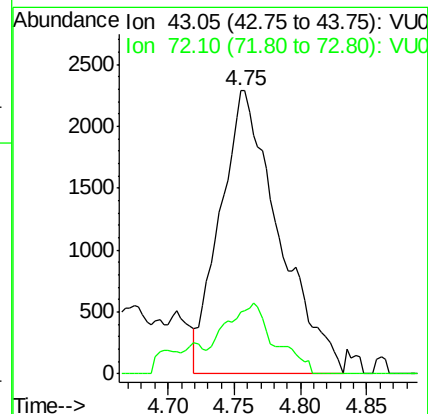
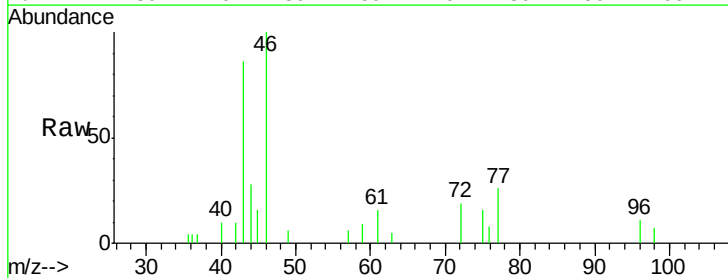
Acq: 01 Jul 2020 08:29

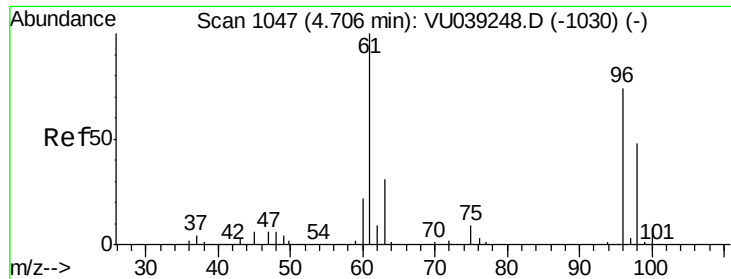
Tgt Ion: 43 Resp: 7074

Ion Ratio Lower Upper

43 100

72 21.3 13.7 41.0





#22

cis-1,2-Dichloroethene

Concen: 2.894 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

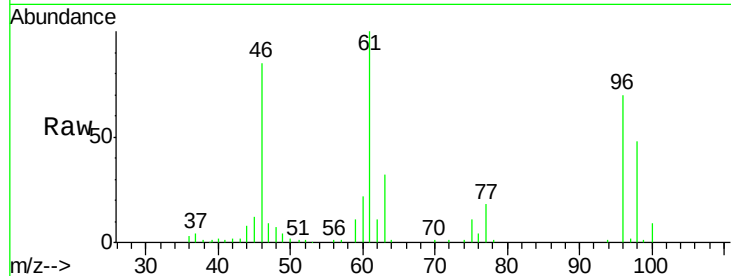
Lab File: VU039268.D

Acq: 01 Jul 2020 08:29

Instrument :
MSVOA_U
ClientSampleId :
ETYK5MSD

Tgt Ion: 96 Resp: 42758

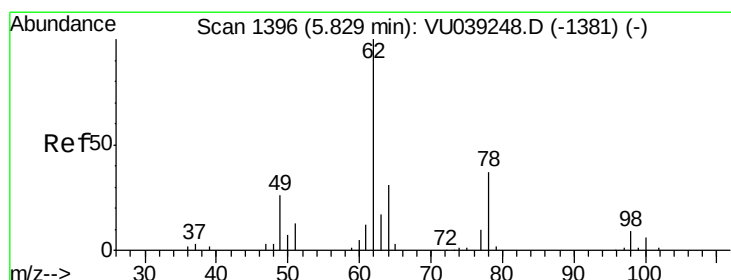
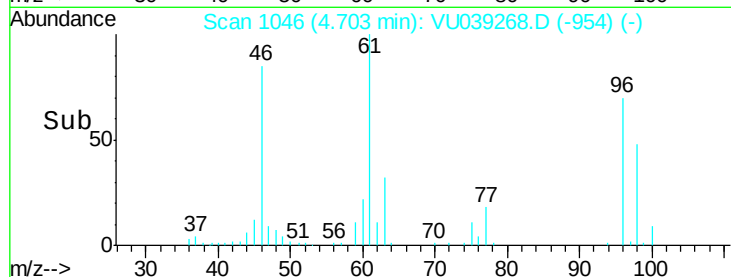
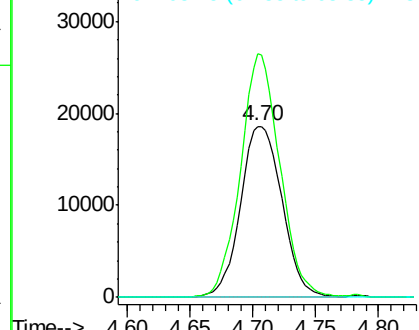
Ion	Ratio	Lower	Upper
96	100		
61	142.4	94.2	175.0
68	0.0	0.0	0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#27

1,2-Dichloroethane

Concen: 0.161 ug/L

RT: 5.81 min Scan# 1389

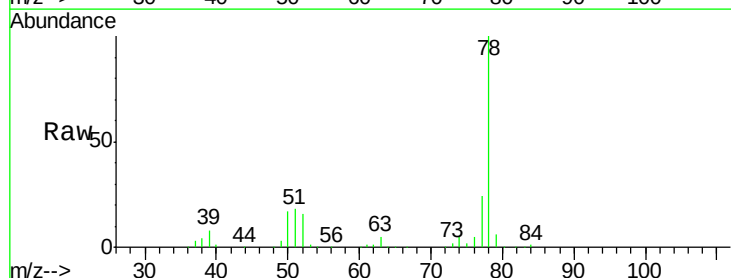
Delta R.T. -0.02 min

Lab File: VU039268.D

Acq: 01 Jul 2020 08:29

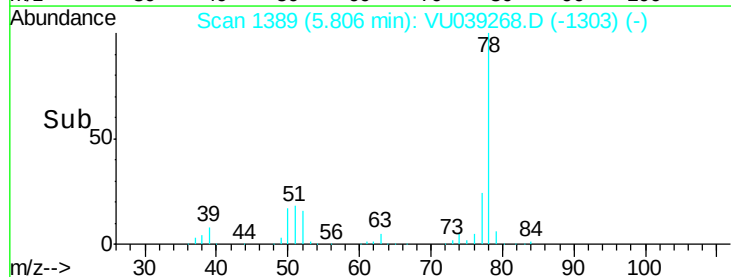
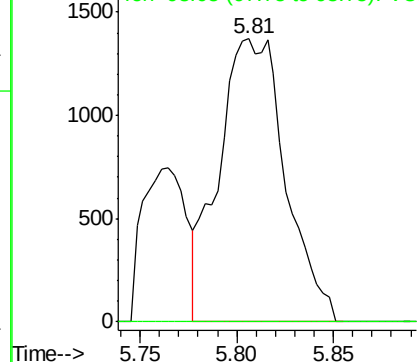
Tgt Ion: 62 Resp: 3291

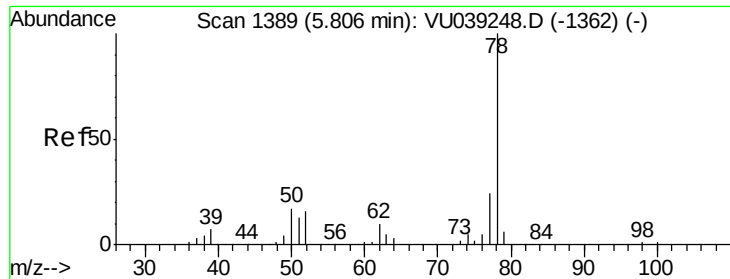
Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.8	10.2#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0





#33

Benzene

Concen: 4.561 ug/L

RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU039268.D

Acq: 01 Jul 2020 08:29

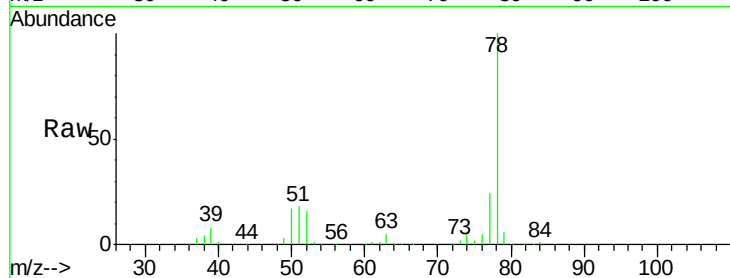
Instrument :

MSVOA_U

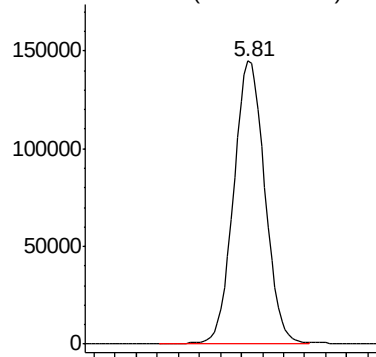
ClientSampleId :

ETVK5MSD

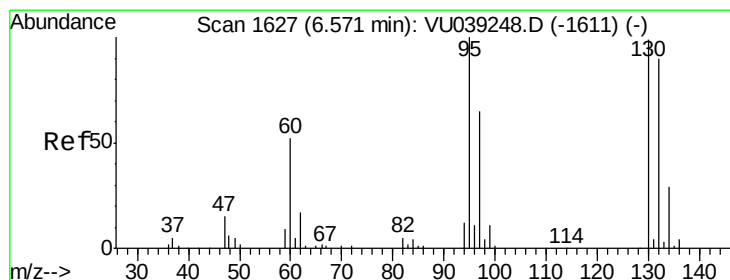
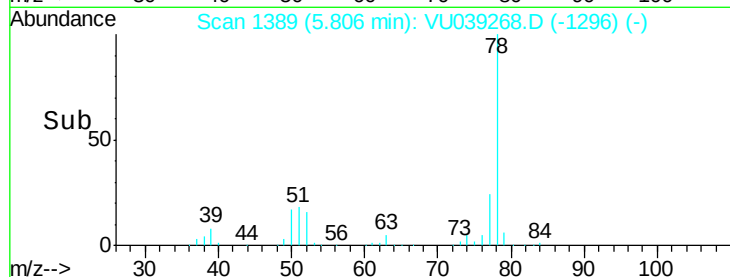
Tgt Ion: 78 Resp: 298452



Abundance Ion 78.10 (77.80 to 78.80): VU0



Time-->



#34

Trichloroethene

Concen: 4.524 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU039268.D

Acq: 01 Jul 2020 08:29

Tgt Ion: 95 Resp: 77818

Ion	Ratio	Lower	Upper
95	100		
97	60.5	44.0	81.8
132	95.4	64.9	120.5
130	102.5	68.7	127.5

95 100

97 60.5 44.0 81.8

132 95.4 64.9 120.5

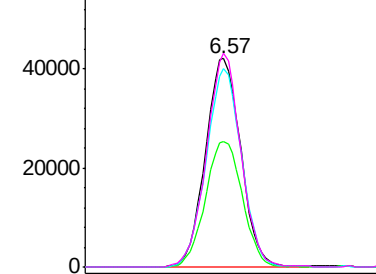
130 102.5 68.7 127.5

Abundance Ion 95.00 (94.70 to 95.70): VU0

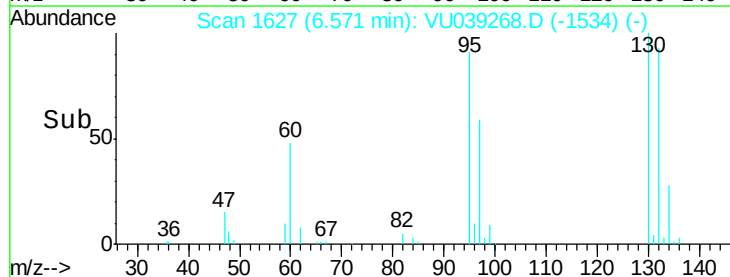
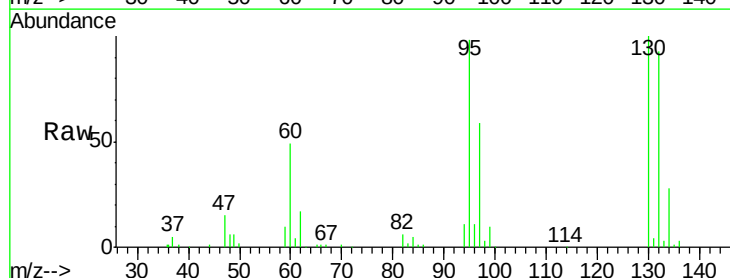
Ion 96.95 (96.65 to 97.65): VU0

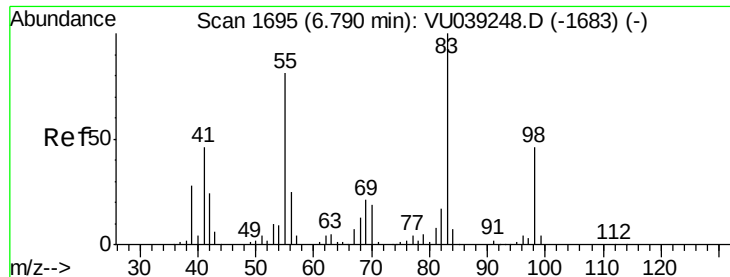
Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



Time-->

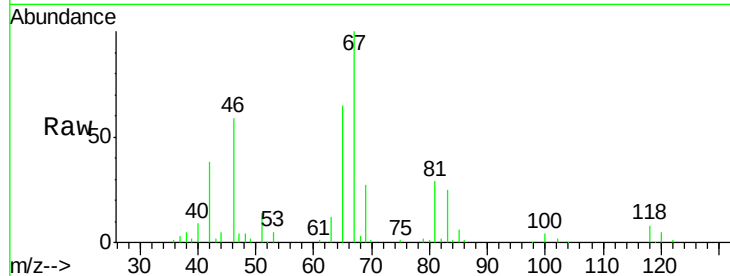




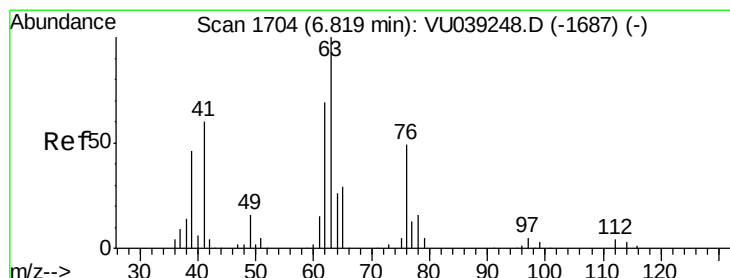
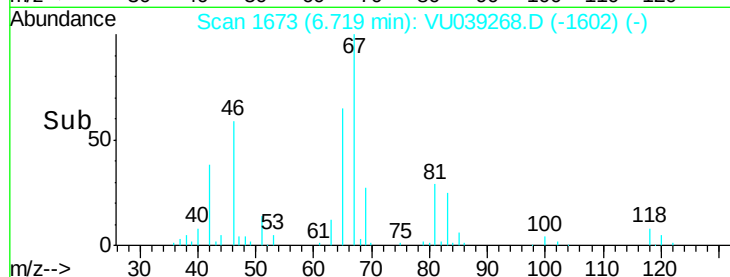
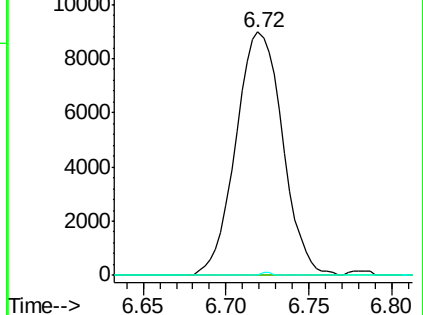
#35
Methylcyclohexane
Concen: 0.687 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU039268.D
Acq: 01 Jul 2020 08:29

Instrument :
MSVOA_U
ClientSampleId :
ETYK5MSD

Tgt Ion: 83 Resp: 17655
Ion Ratio Lower Upper
83 100
55 0.0 64.4 96.6#
98 0.0 37.9 56.9#

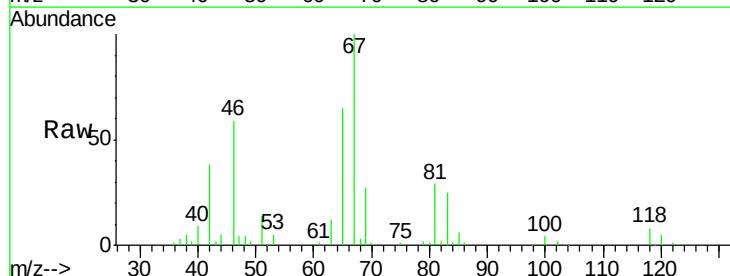


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

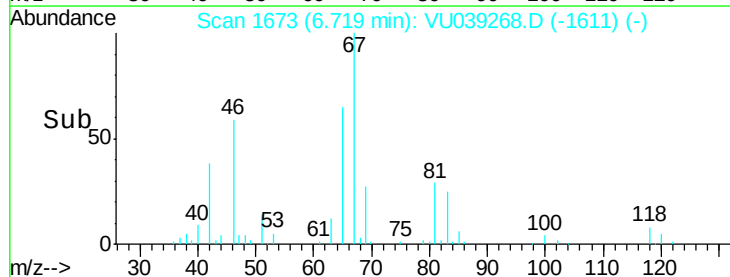
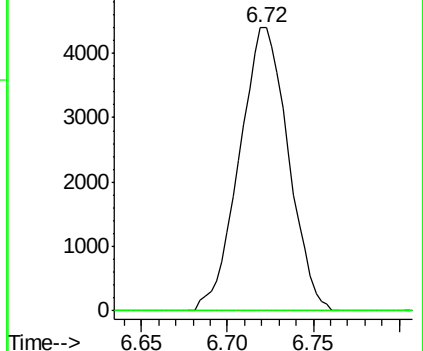


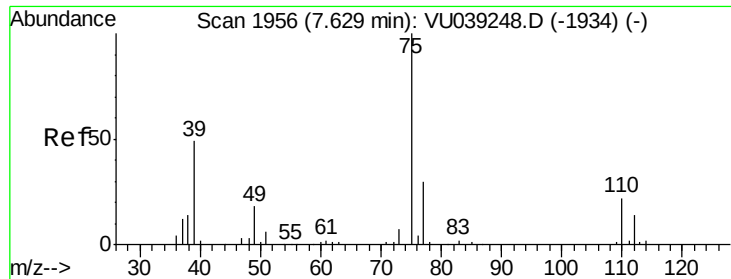
#37
1,2-Dichloropropane
Concen: 0.490 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU039268.D
Acq: 01 Jul 2020 08:29

Tgt Ion: 63 Resp: 8666
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

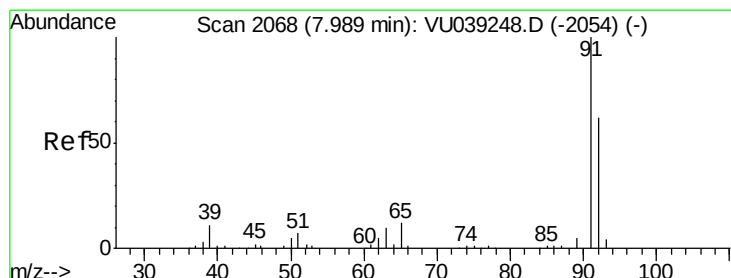
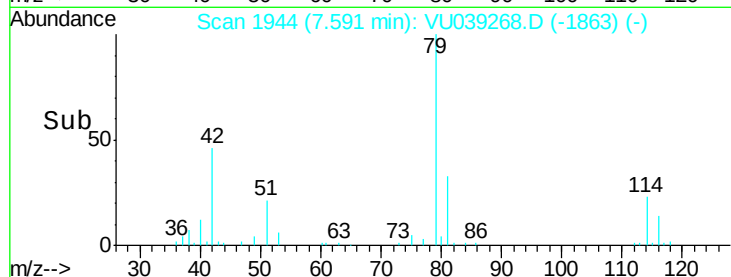
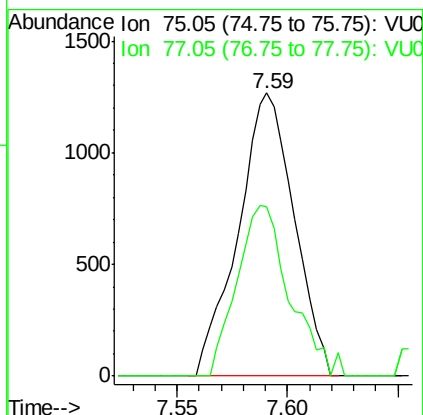
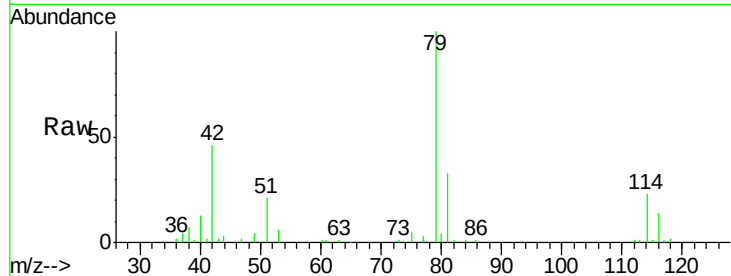




#39
 cis-1,3-Dichloropropene
 Concen: 0.089 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU039268.D
 Acq: 01 Jul 2020 08:29

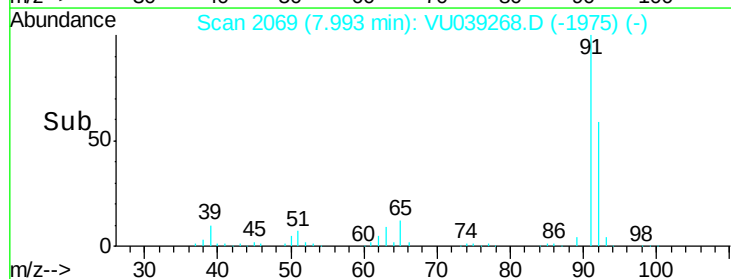
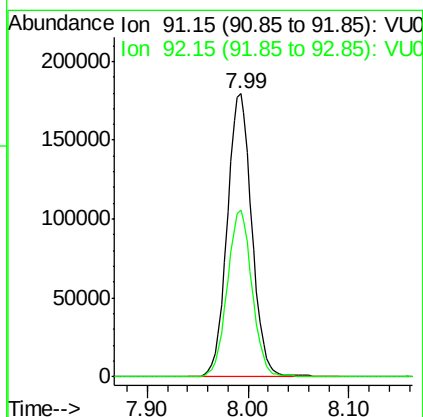
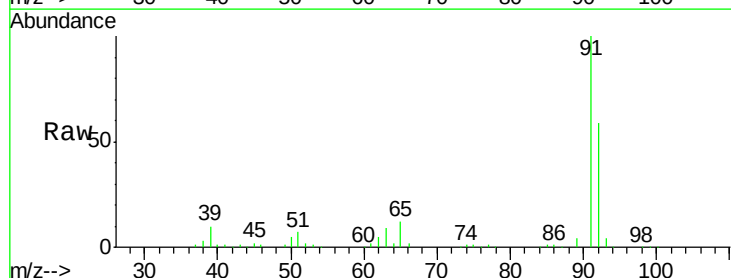
Instrument :
 MSVOA_U
 ClientSampleId :
 ETYK5MSD

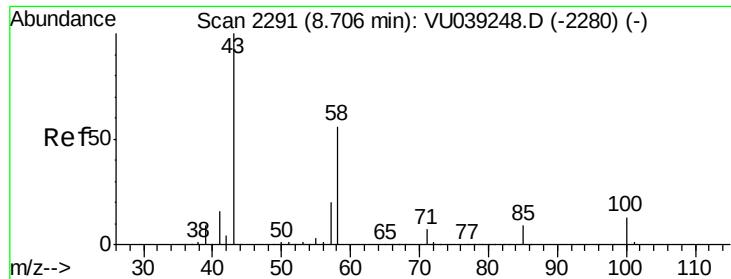
Tgt Ion: 75 Resp: 2232
 Ion Ratio Lower Upper
 75 100
 77 59.7 22.5 41.7#



#42
 Toluene
 Concen: 4.567 ug/L
 RT: 7.99 min Scan# 2069
 Delta R.T. 0.00 min
 Lab File: VU039268.D
 Acq: 01 Jul 2020 08:29

Tgt Ion: 91 Resp: 306296
 Ion Ratio Lower Upper
 91 100
 92 59.1 41.7 77.5

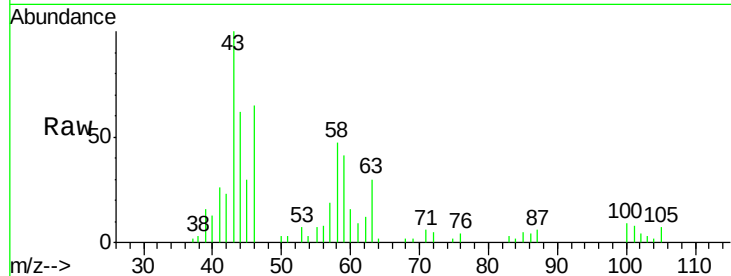




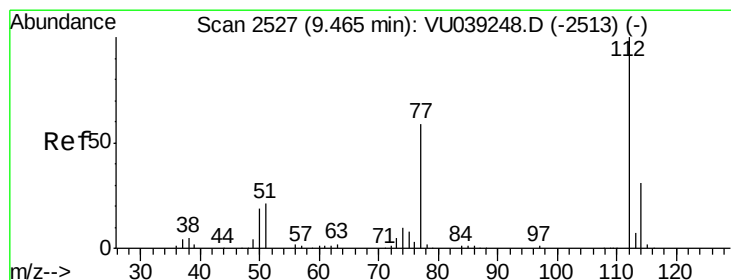
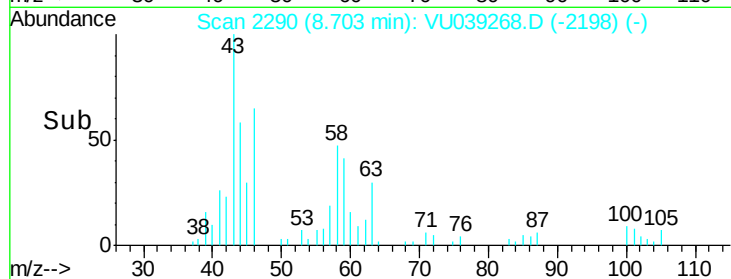
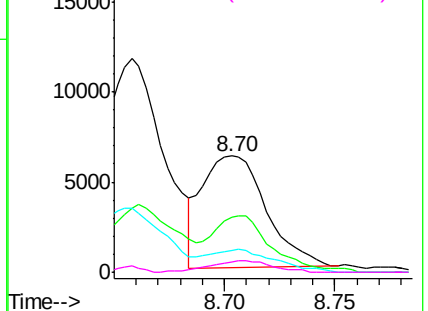
#48
2-Hexanone
Concen: 1.225 ug/L
RT: 8.70 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU039268.D
Acq: 01 Jul 2020 08:29

Instrument :
MSVOA_U
ClientSampleId :
ETYK5MSD

Tgt Ion: 43 Resp: 12536
Ion Ratio Lower Upper
43 100
58 47.2 43.6 65.4
57 21.2 15.5 23.3
100 10.0 10.0 15.0

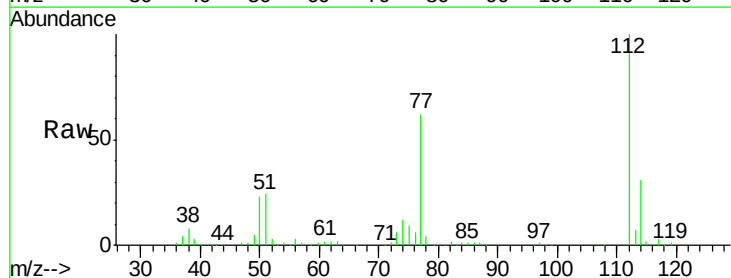


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

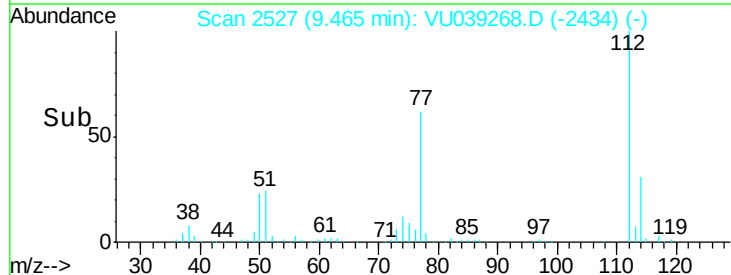
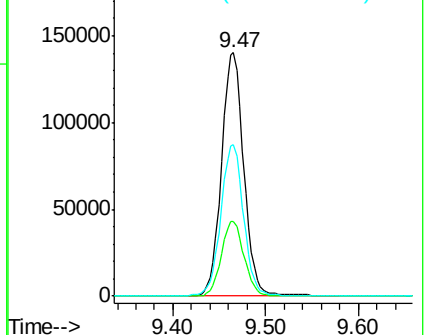


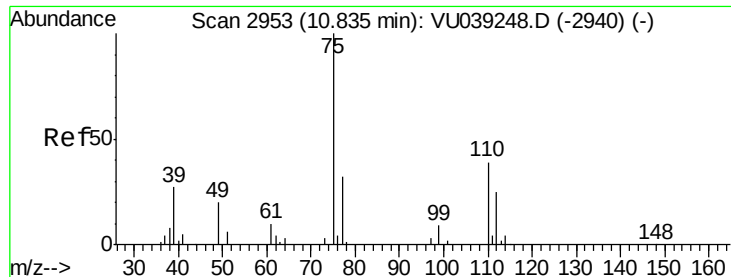
#51
Chlorobenzene
Concen: 5.321 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. 0.00 min
Lab File: VU039268.D
Acq: 01 Jul 2020 08:29

Tgt Ion: 112 Resp: 233177
Ion Ratio Lower Upper
112 100
114 30.9 22.8 42.4
77 62.3 49.7 74.5



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): VU0





#59

1,2,3-Trichloropropane

Concen: 0.824 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.99 min

Lab File: VU039268.D

Acq: 01 Jul 2020 08:29

Instrument :

MSVOA_U

ClientSampleId :

ETYK5MSD

Tgt Ion: 75 Resp: 11279

Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

