

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070820\
 Data File : VU039360.D
 Acq On : 08 Jul 2020 20:34
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Quant Time: Jul 09 02:35:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 09 02:29:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	104065	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	96682	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46252	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	26667	4.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.40%
7) Chloroethane-d5	1.92	69	29553	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.58	63	52757	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.00%
20) 2-Butanone-d5	4.66	46	167718	60.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.54%
24) Chloroform-d	5.09	84	64972	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.72	65	43130	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
32) Benzene-d6	5.75	84	113254	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.70	67	42304	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	7.91	98	90395	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	8.19	79	17360	4.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.20%
46) 2-Hexanone-d5	8.64	63	127723	59.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.26%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	44262	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	40053	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	32586	5.166	ug/L 97
3) Chloromethane	1.53	50	34623	4.531	ug/L 97
5) Vinyl chloride	1.61	62	42554	5.015	ug/L 99
6) Bromomethane	1.87	94	14558	3.984	ug/L 97
8) Chloroethane	1.94	64	27506	4.487	ug/L 97
9) Trichlorofluoromethane	2.15	101	70644	4.795	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	30565	5.055	ug/L 97
12) 1,1-Dichloroethene	2.59	96	30168	4.874	ug/L 90
13) Acetone	2.66	43	73644	49.438	ug/L 99
14) Carbon disulfide	2.81	76	102091	4.683	ug/L 99
15) Methyl Acetate	2.97	43	19713	5.010	ug/L 94
16) Methylene chloride	3.06	84	36303	4.663	ug/L 94
17) Methyl tert-butyl Ether	3.38	73	97683	5.009	ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	33802	4.933	ug/L 99
19) 1,1-Dichloroethane	3.89	63	67615	5.044	ug/L 98
21) 2-Butanone	4.73	43	129216	48.600	ug/L 100
22) cis-1,2-Dichloroethene	4.69	96	38210	4.974	ug/L 98

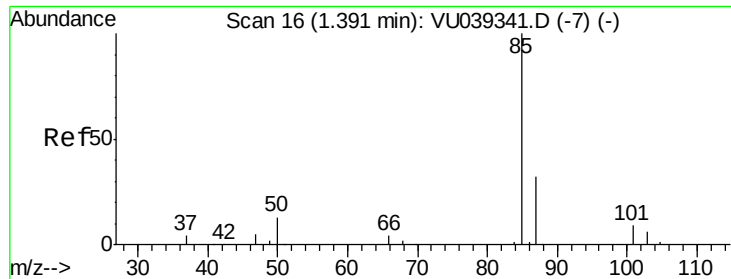
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070820\
 Data File : VU039360.D
 Acq On : 08 Jul 2020 20:34
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Instrument :
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
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 QLast Update : Thu Jul 09 02:29:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	17299	4.956	ug/L	97
25) Chloroform	5.11	83	70010	5.171	ug/L	100
27) 1,2-Dichloroethane	5.81	62	48836	4.987	ug/L	99
29) 1,1,1-Trichloroethane	5.34	97	58155	5.107	ug/L	98
30) Cyclohexane	5.41	56	57472	4.794	ug/L	99
31) Carbon tetrachloride	5.54	117	46865	4.824	ug/L	99
33) Benzene	5.79	78	146581	5.071	ug/L	100
34) Trichloroethene	6.56	95	37928	5.075	ug/L	98
35) Methylcyclohexane	6.78	83	56709	4.737	ug/L	99
37) 1,2-Dichloropropane	6.81	63	40409	5.128	ug/L	100
38) Bromodichloromethane	7.12	83	51020	5.070	ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	58863	4.942	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	324684	49.394	ug/L	99
42) Toluene	7.98	91	152745	4.935	ug/L	97
44) trans-1,3-Dichloropropene	8.22	75	52679	4.985	ug/L	93
45) 1,1,2-Trichloroethane	8.41	97	28796	5.088	ug/L	95
47) Tetrachloroethene	8.56	164	25830	4.969	ug/L	96
48) 2-Hexanone	8.69	43	238608	49.230	ug/L	99
49) Dibromochloromethane	8.82	129	33673	4.912	ug/L	96
50) 1,2-Dibromoethane	8.93	107	28692	4.990	ug/L	95
51) Chlorobenzene	9.45	112	92493	4.890	ug/L	97
52) Ethylbenzene	9.57	91	168691	4.931	ug/L	99
53) m,p-Xylene	9.70	106	60841	4.720	ug/L	97
54) o-Xylene	10.10	106	58872	4.692	ug/L	97
55) Styrene	10.11	104	102250	4.683	ug/L	100
56) Isopropylbenzene	10.48	105	157490	4.641	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	38564	4.895	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	27935	4.810	ug/L	99
61) Bromoform	10.29	173	19374	4.970	ug/L	96
62) 1,3-Dichlorobenzene	11.74	146	71267	4.917	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	68328	4.699	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	71220	4.902	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	6466	5.038	ug/L #	80
67) 1,3,5-Trichlorobenzene	13.21	180	53459	4.929	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	47911	5.162	ug/L	95
69) Naphthalene	14.08	128	93206	4.991	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	44619	5.188	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.166 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039360.D

Acq: 08 Jul 2020 20:34

Instrument :

MSVOA_U

ClientSampleId :

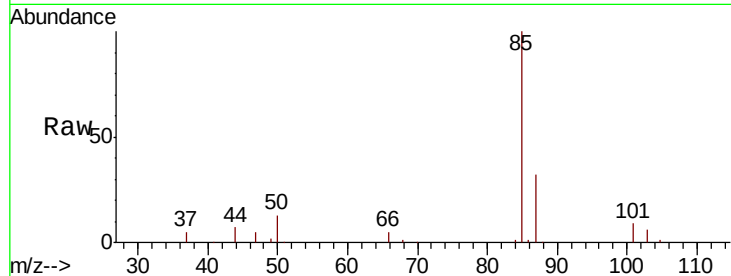
VSTD00509

Tot Ion: 85 Resp: 32586

Ion Ratio Lower Upper

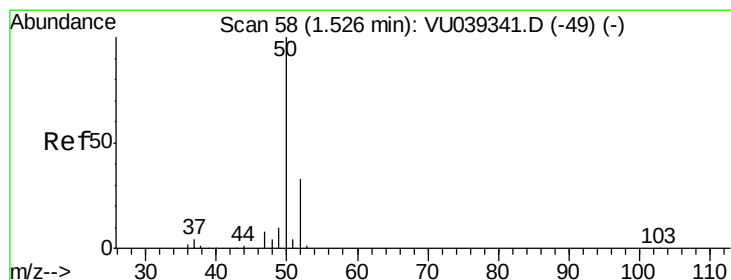
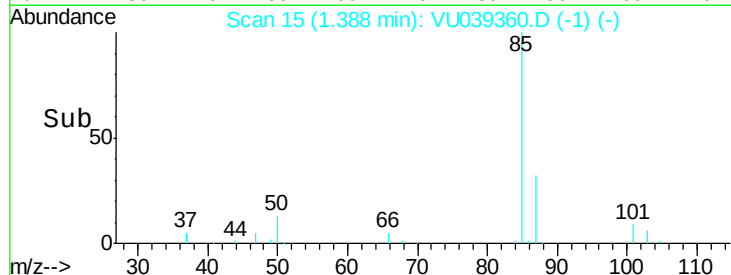
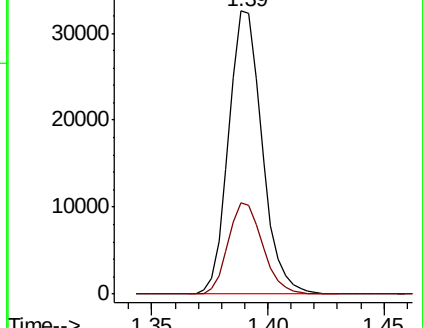
85 100

87 33.0 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039341.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU039341.D (-7) (-)



#3

Chloromethane

Concen: 4.531 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039360.D

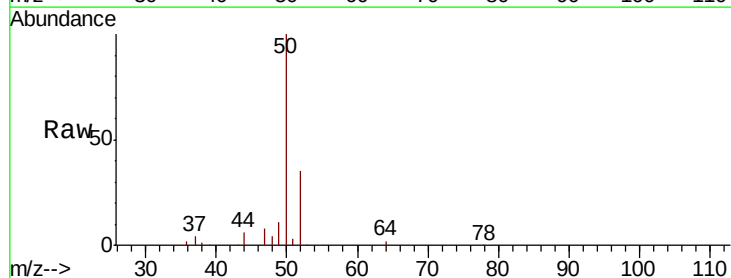
Acq: 08 Jul 2020 20:34

Tgt Ion: 50 Resp: 34623

Ion Ratio Lower Upper

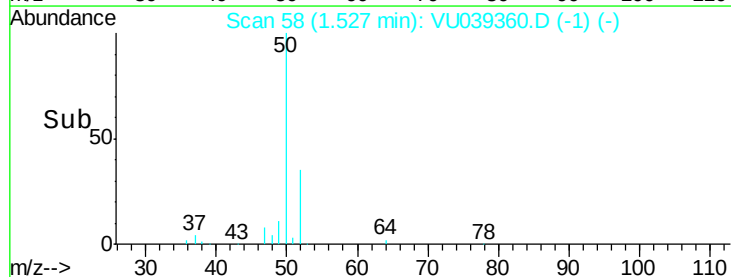
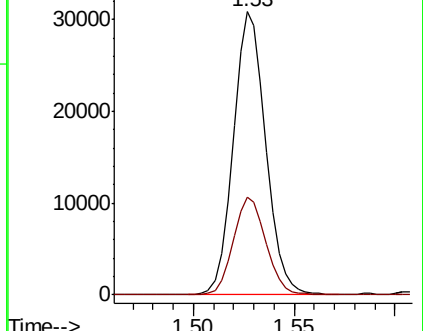
50 100

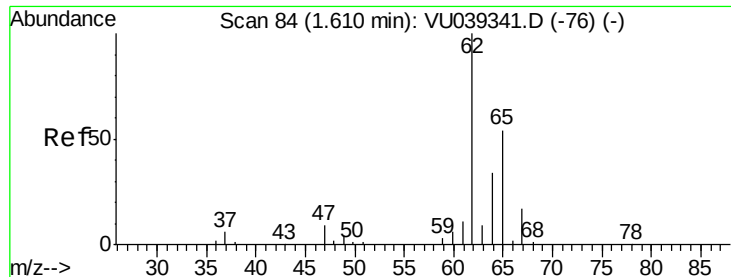
52 34.6 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU039341.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU039341.D (-49) (-)





#5

Vinyl chloride

Concen: 5.015 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039360.D

Acq: 08 Jul 2020 20:34

Instrument :

MSVOA_U

ClientSampleId :

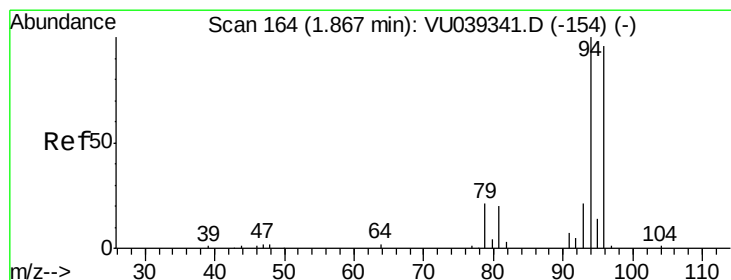
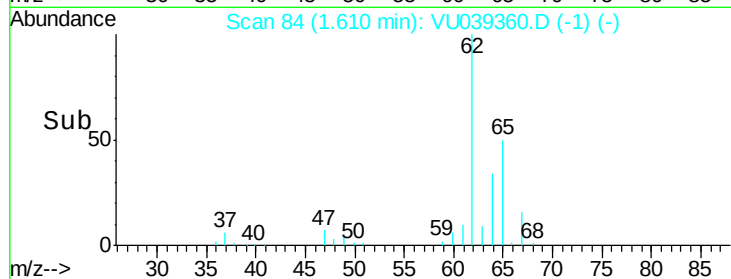
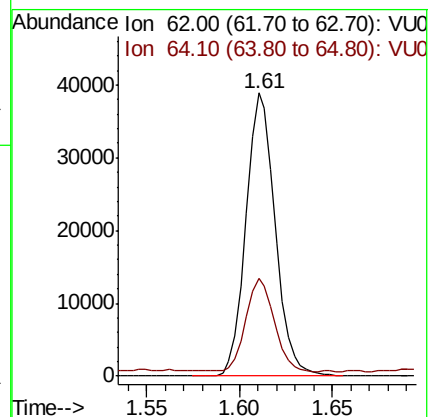
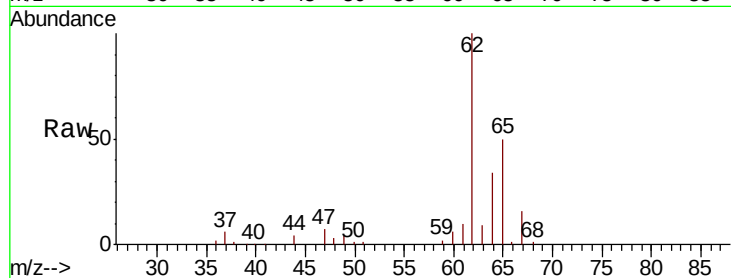
VSTD00509

Tot Ion: 62 Resp: 42554

Ion Ratio Lower Upper

62 100

64 34.3 23.7 44.1



#6

Bromomethane

Concen: 3.984 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039360.D

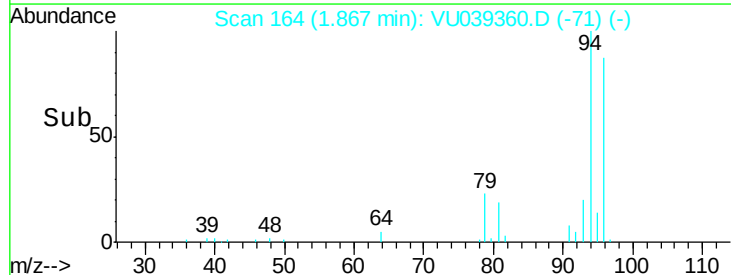
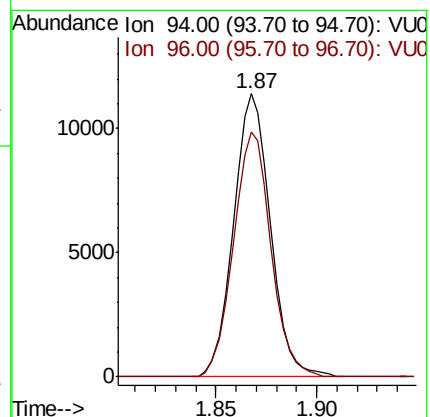
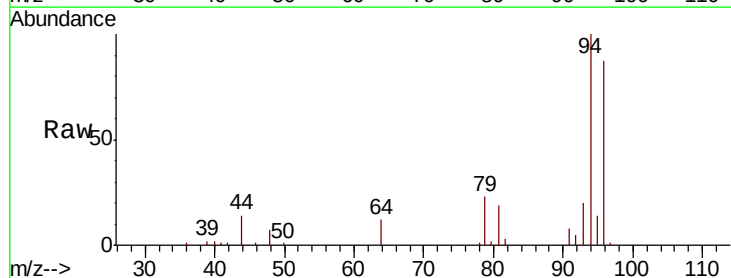
Acq: 08 Jul 2020 20:34

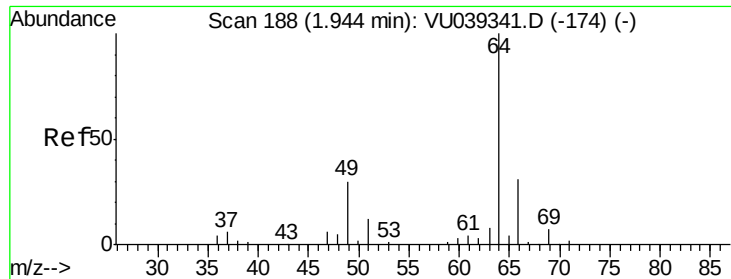
Tgt Ion: 94 Resp: 14558

Ion Ratio Lower Upper

94 100

96 86.7 62.7 116.5





#8

Chloroethane

Concen: 4.487 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU039360.D

Acq: 08 Jul 2020 20:34

Instrument :

MSVOA_U

ClientSampleId :

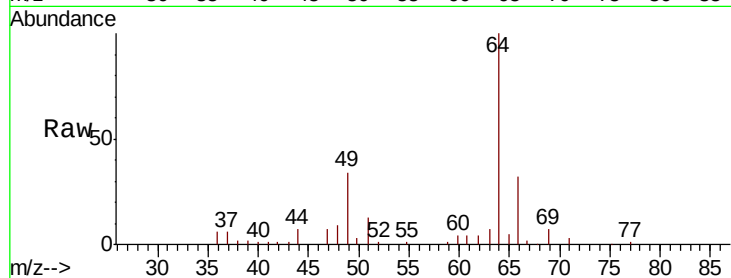
VSTD00509

Tot Ion: 64 Resp: 27506

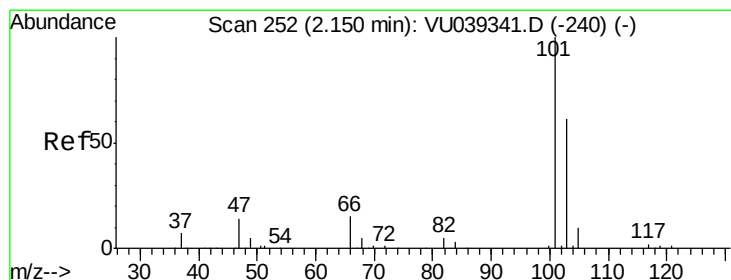
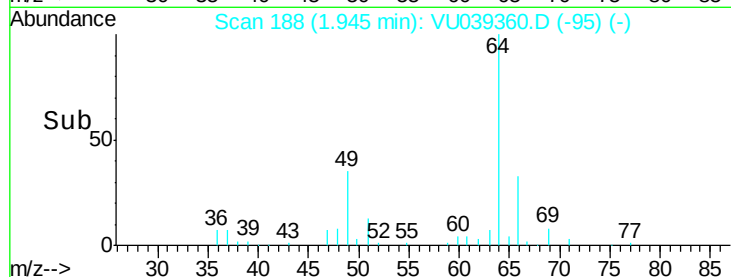
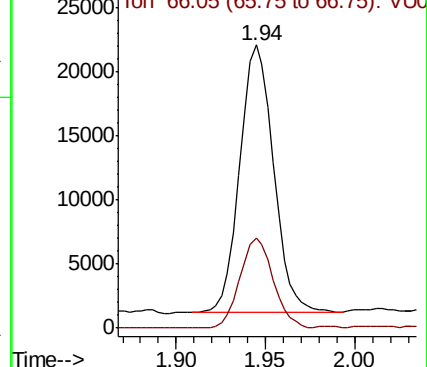
Ion Ratio Lower Upper

64 100

66 31.6 23.5 43.7



Abundance Ion 64.10 (63.80 to 64.80): VU039341.D (-174) (-)



#9

Trichlorofluoromethane

Concen: 4.795 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU039360.D

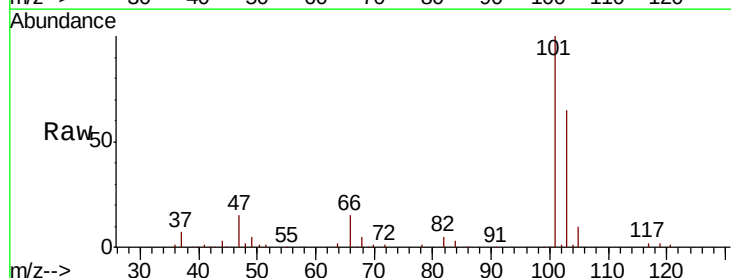
Acq: 08 Jul 2020 20:34

Tgt Ion: 101 Resp: 70644

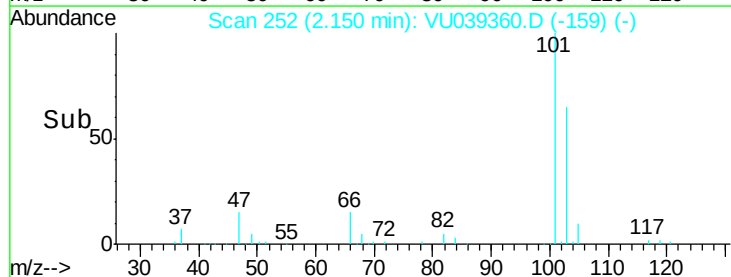
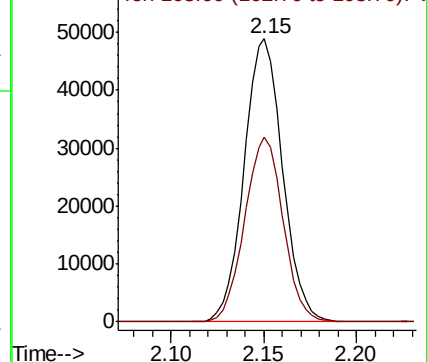
Ion Ratio Lower Upper

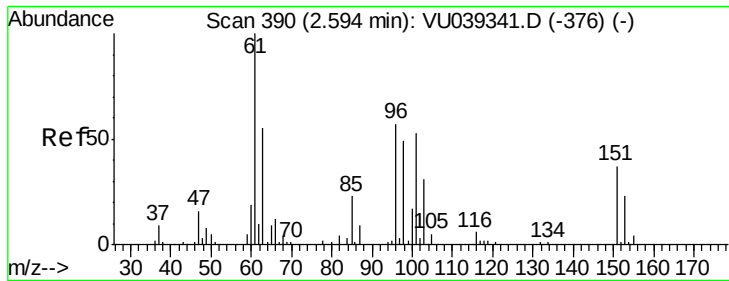
101 100

103 65.3 50.6 76.0



Abundance Ion 101.00 (100.70 to 101.70): VU039341.D (-240) (-)





#10

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

Concen: 5.055 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU039360.D

Acq: 08 Jul 2020 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

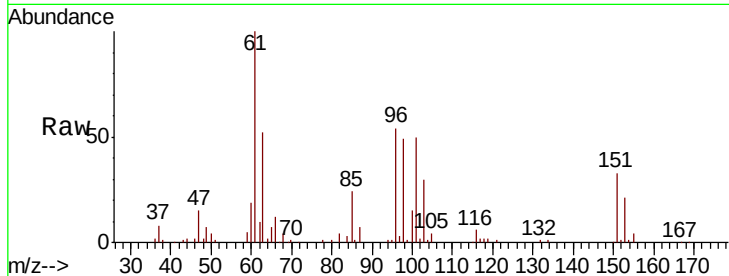
Tot Ion:101 Resp: 30565

Ion Ratio Lower Upper

101 100

85 48.3 38.9 58.3

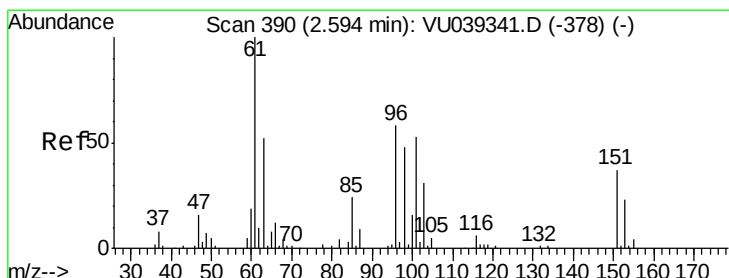
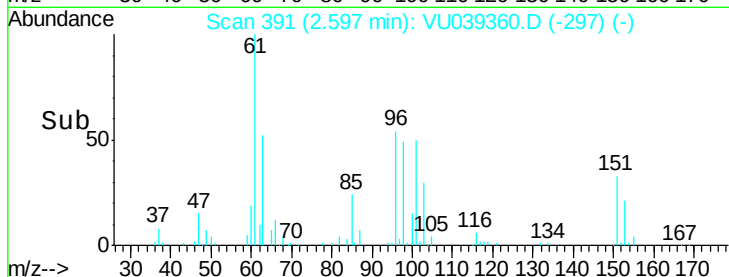
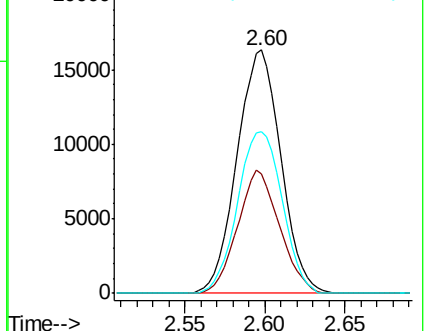
151 67.5 57.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.874 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039360.D

Acq: 08 Jul 2020 20:34

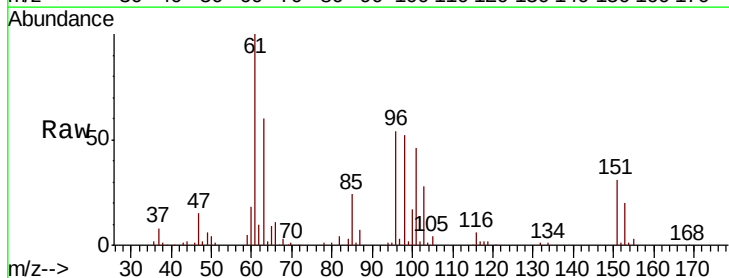
Tgt Ion: 96 Resp: 30168

Ion Ratio Lower Upper

96 100

61 185.4 125.4 232.8

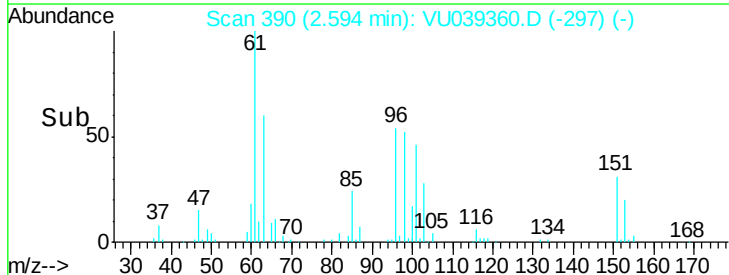
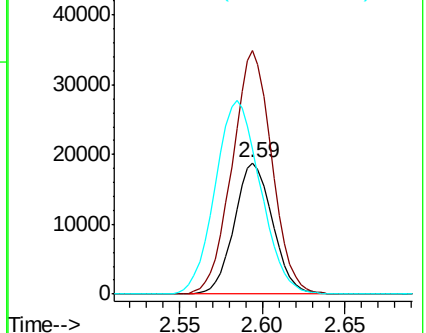
63 110.8 92.7 172.3

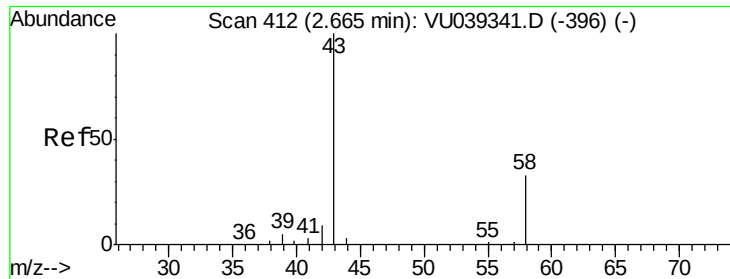


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.438 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU039360.D

Acq: 08 Jul 2020 20:34

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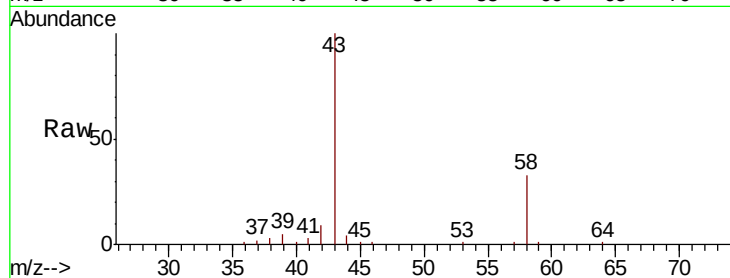
VSTD00509

Tot Ion: 43 Resp: 73644

Ion Ratio Lower Upper

43 100

58 31.0 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039341.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU039341.D (-396) (-)

2.66

20000

15000

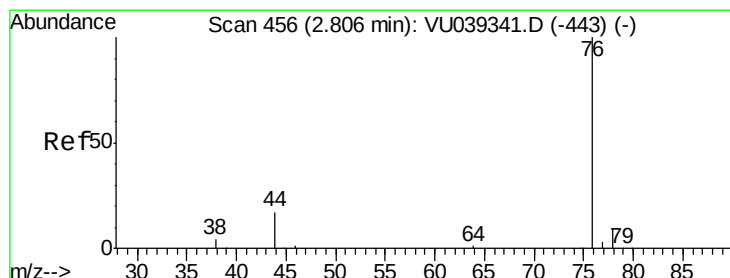
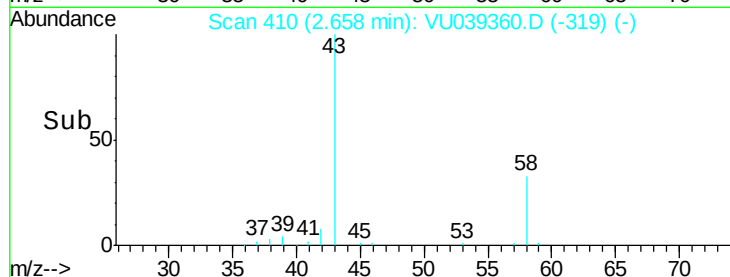
10000

5000

0

2.60 2.70 2.80

Time-->



#14

Carbon disulfide

Concen: 4.683 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU039360.D

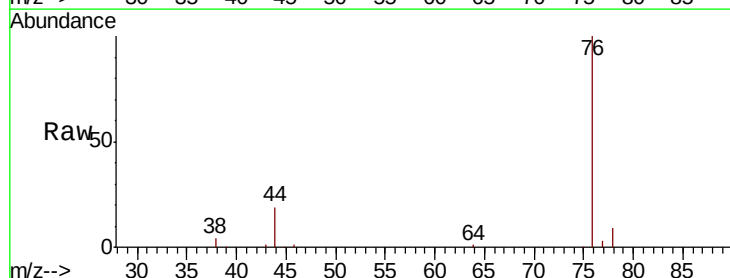
Acq: 08 Jul 2020 20:34

Tgt Ion: 76 Resp: 102091

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VU039341.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU039341.D (-443) (-)

2.81

60000

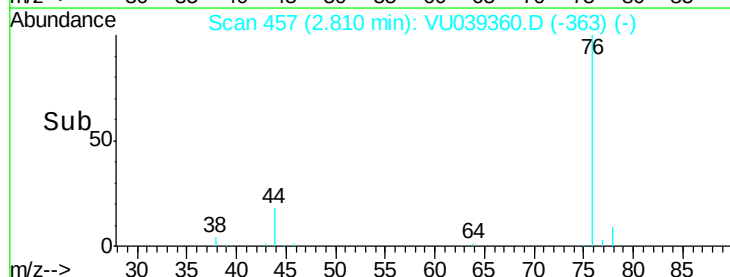
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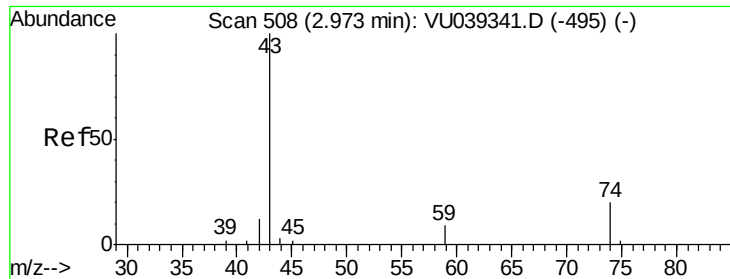
20000

0

2.75 2.80 2.85 2.90

Time-->

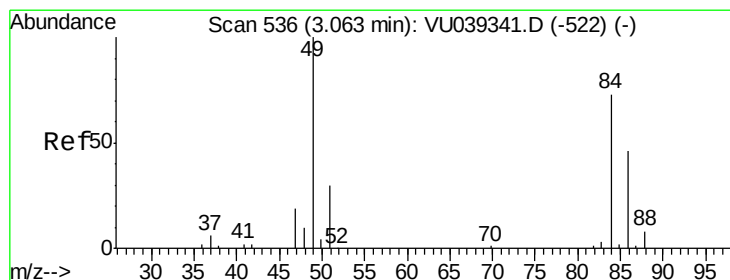
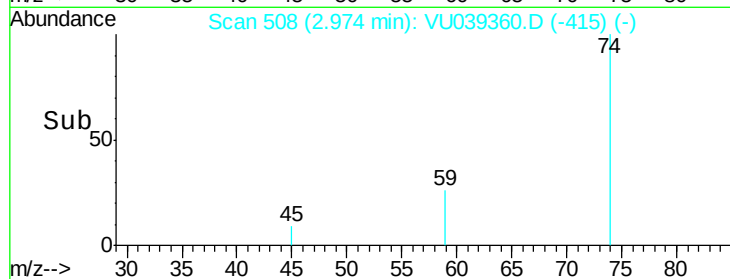
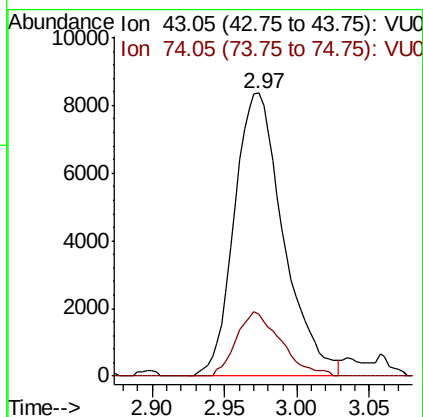
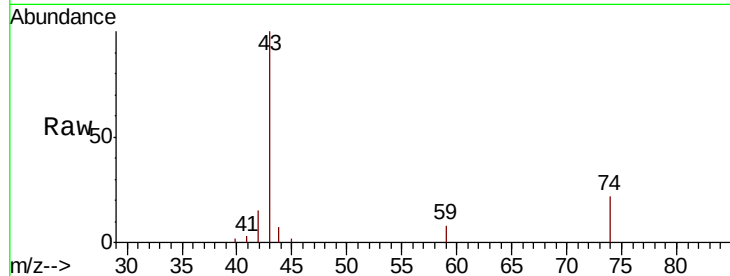




#15
Methvl Acetate
Concen: 5.010 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.00 min
Lab File: VU039360.D
Acq: 08 Jul 2020 20:34

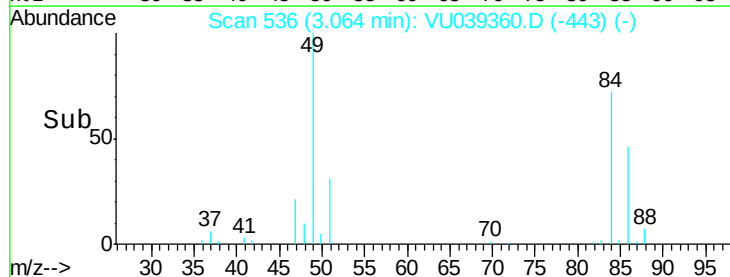
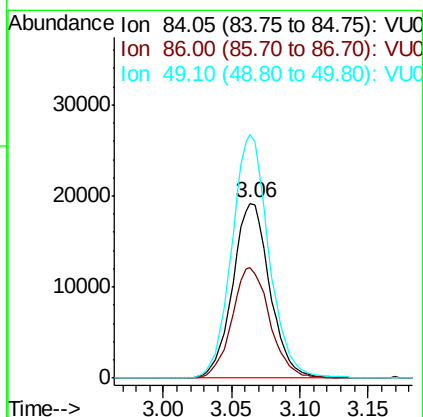
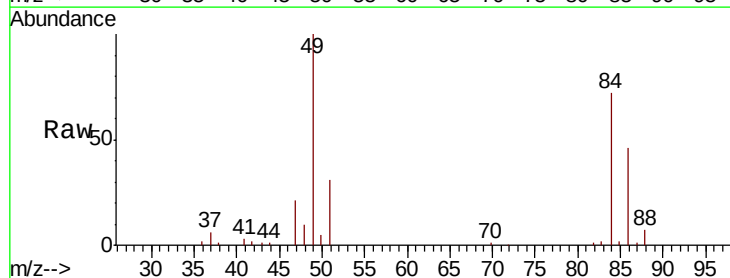
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

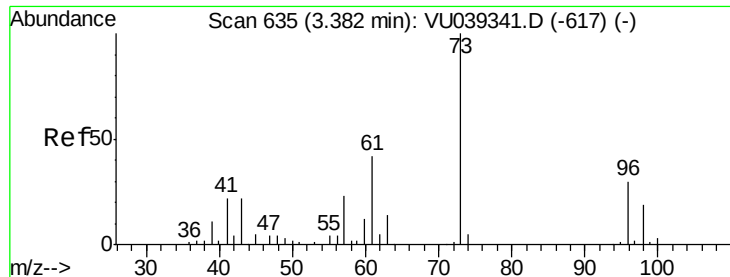
Tot Ion: 43 Resp: 19713
Ion Ratio Lower Upper
43 100
74 20.7 18.7 28.1



#16
Methylene chloride
Concen: 4.663 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039360.D
Acq: 08 Jul 2020 20:34

Tgt Ion: 84 Resp: 36303
Ion Ratio Lower Upper
84 100
86 63.5 43.5 80.9
49 139.1 91.1 169.1

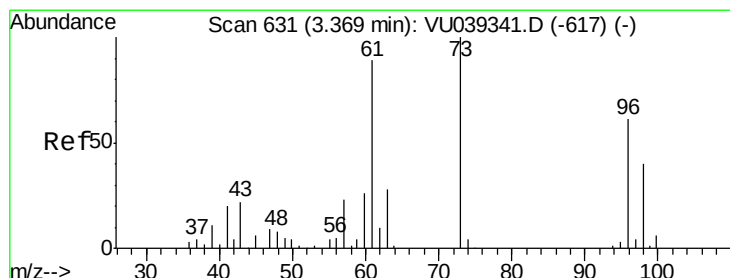
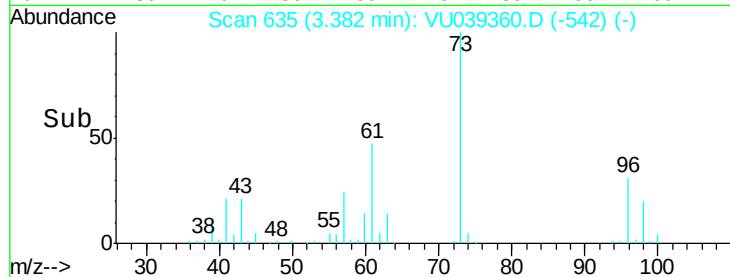
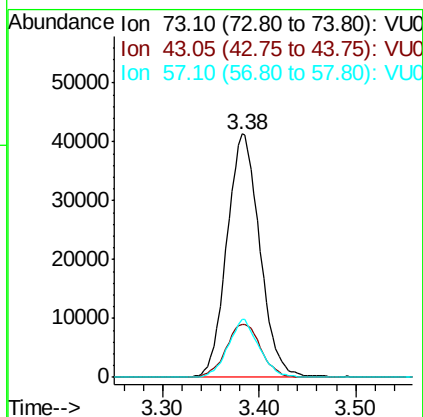
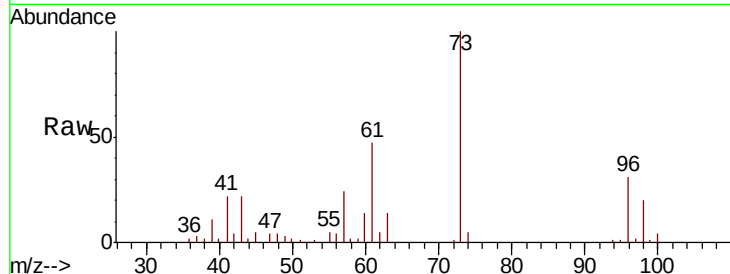




#17
Methyl tert-butyl Ether
Concen: 5.009 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU039360.D
Acq: 08 Jul 2020 20:34

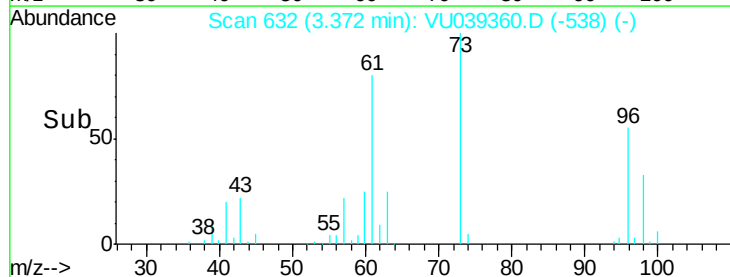
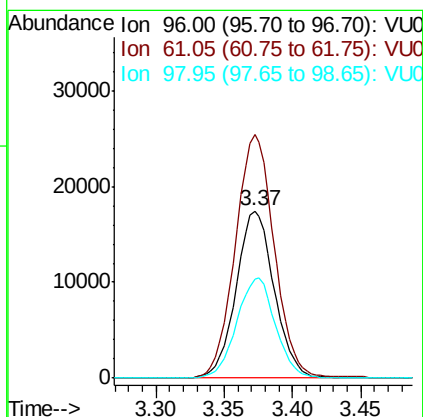
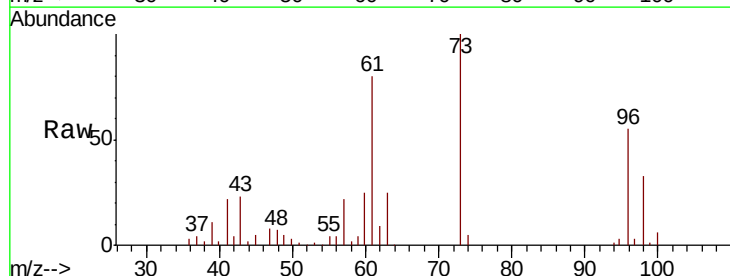
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

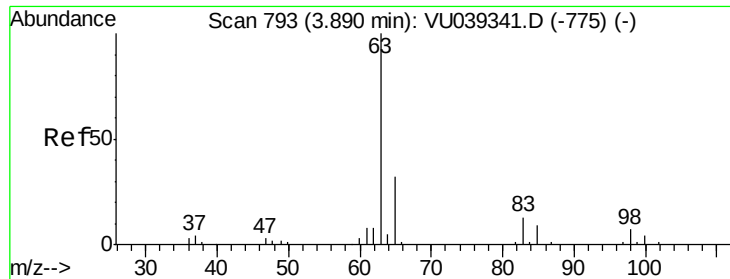
Tot Ion: 73 Resp: 97683
Ion Ratio Lower Upper
73 100
43 23.2 18.6 28.0
57 22.3 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 4.933 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU039360.D
Acq: 08 Jul 2020 20:34

Tgt Ion: 96 Resp: 33802
Ion Ratio Lower Upper
96 100
61 145.4 102.1 189.5
98 58.9 42.5 78.9

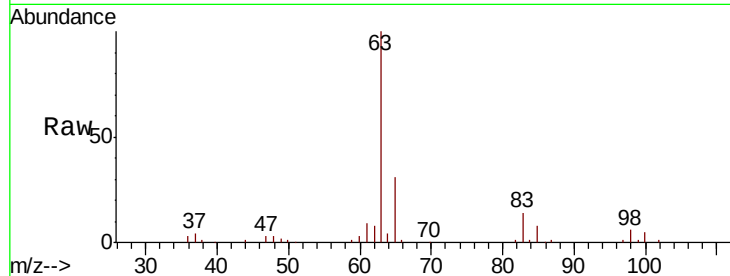




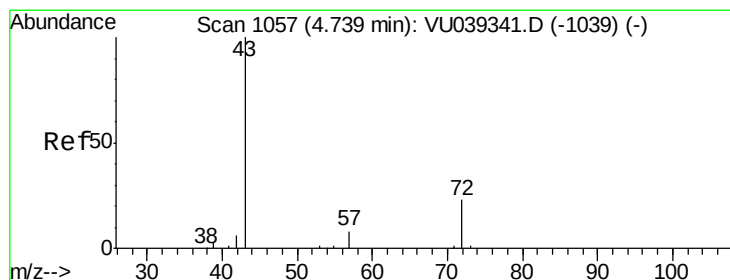
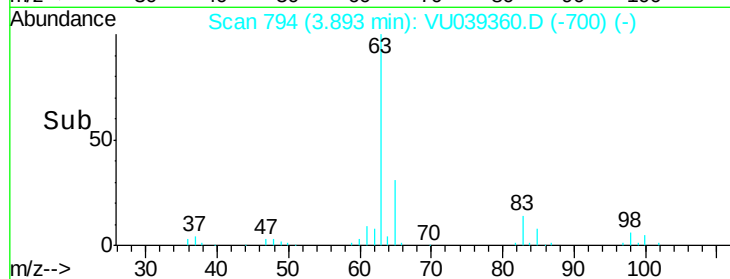
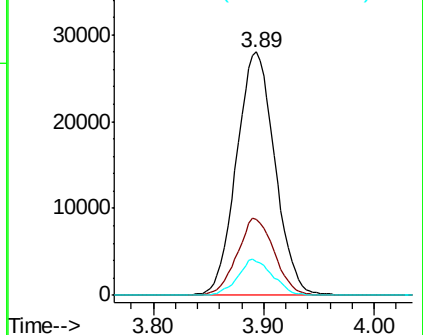
#19
 1,1-Dichloroethane
 Concen: 5.044 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VU039360.D
 Acq: 08 Jul 2020 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tot Ion: 63 Resp: 67615
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.0 42.6
 83 13.8 9.6 17.8

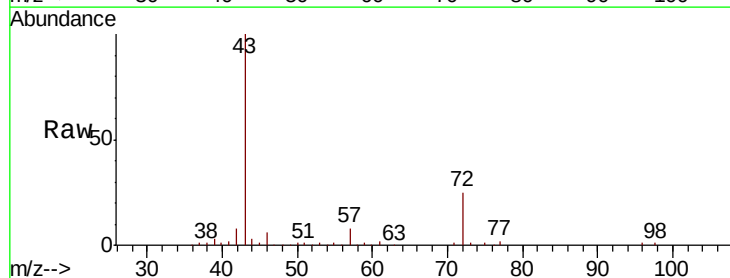


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

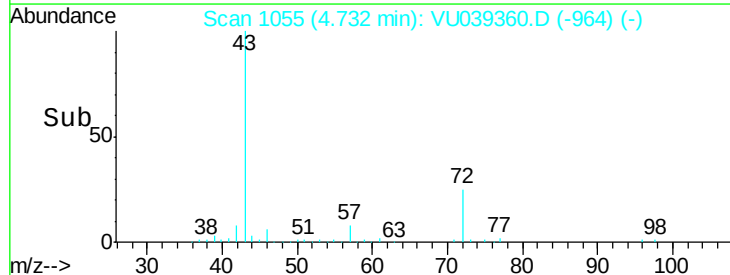
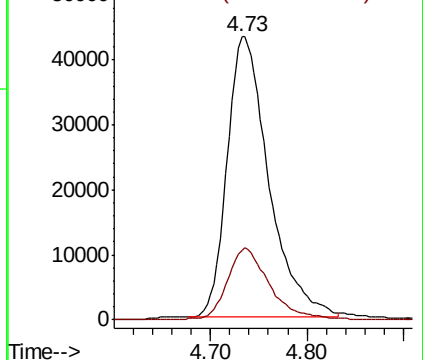


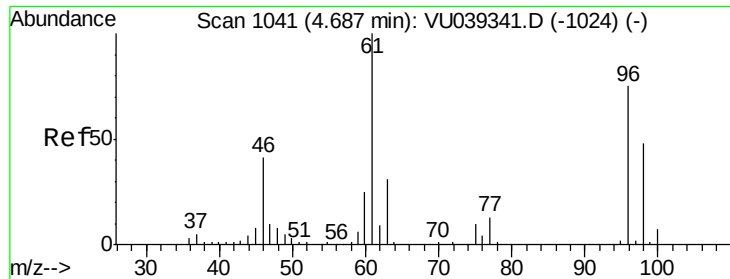
#21
 2-Butanone
 Concen: 48.600 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VU039360.D
 Acq: 08 Jul 2020 20:34

Tgt Ion: 43 Resp: 129216
 Ion Ratio Lower Upper
 43 100
 72 26.2 13.2 39.5



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0

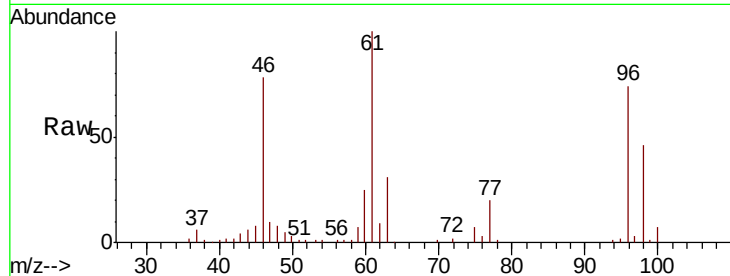




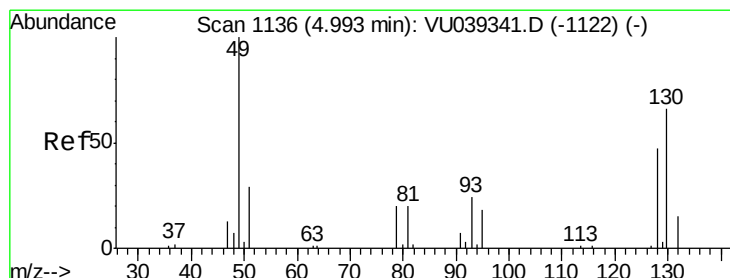
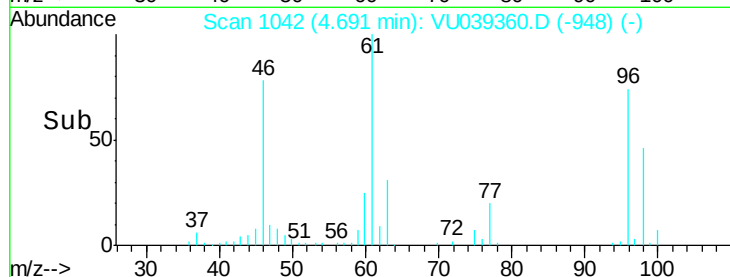
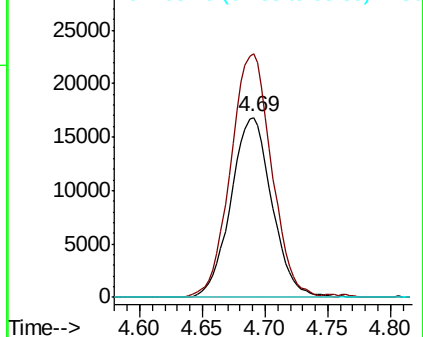
#22
 cis-1,2-Dichloroethene
 Concen: 4.974 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: VU039360.D
 Acq: 08 Jul 2020 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tot Ion: 96 Resp: 38210
 Ion Ratio Lower Upper
 96 100
 61 135.3 92.8 172.4
 68 0.0 0.0 0.0

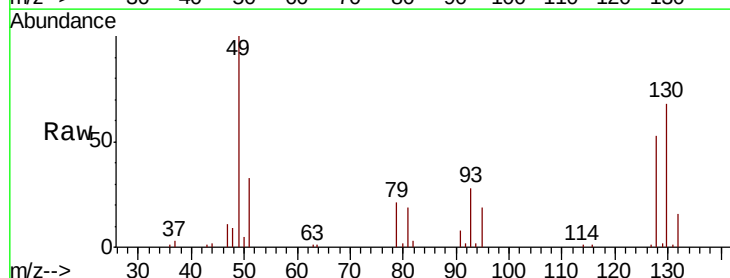


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

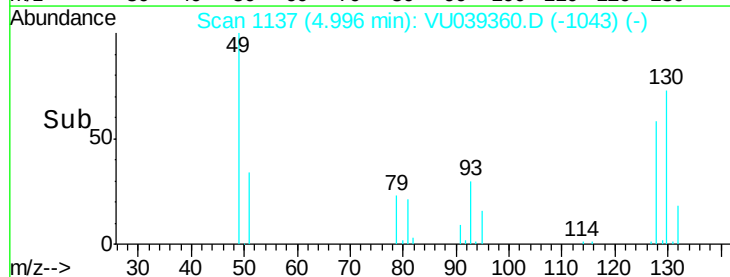
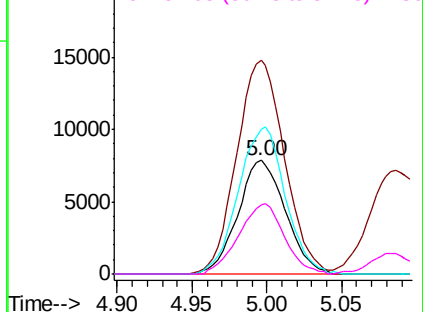


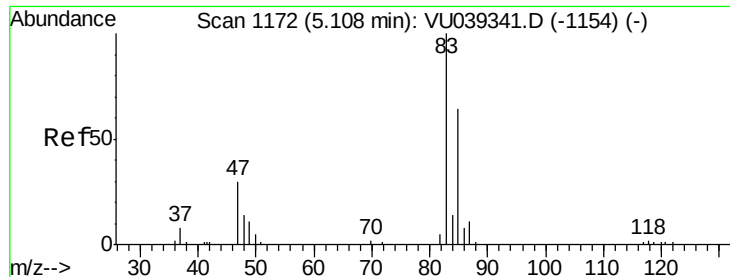
#23
 Bromochloromethane
 Concen: 4.956 ug/L
 RT: 5.00 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VU039360.D
 Acq: 08 Jul 2020 20:34

Tgt Ion: 128 Resp: 17299
 Ion Ratio Lower Upper
 128 100
 49 188.3 128.5 238.7
 130 127.7 91.5 169.9
 51 61.4 47.0 70.6



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

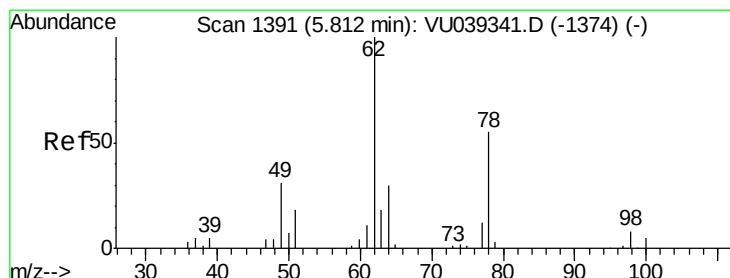
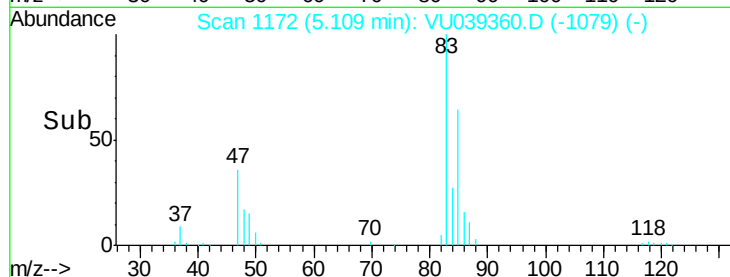
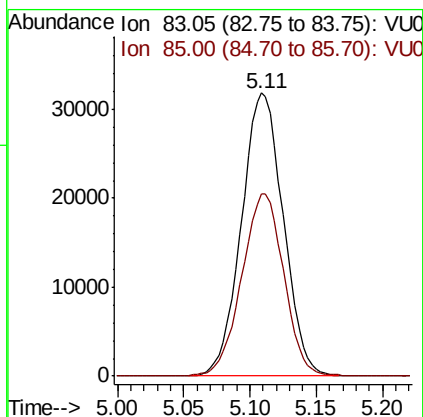
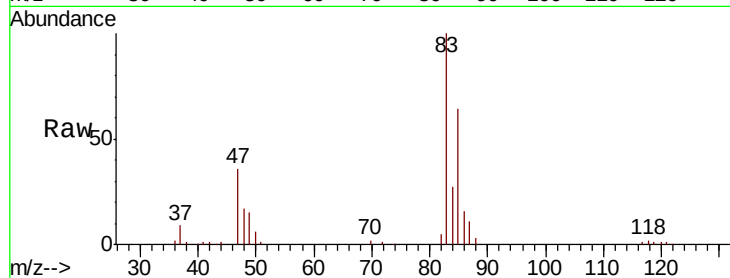




#25
Chloroform
Concen: 5.171 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039360.D
Acq: 08 Jul 2020 20:34

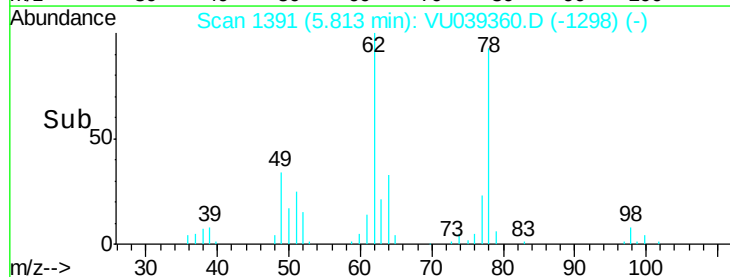
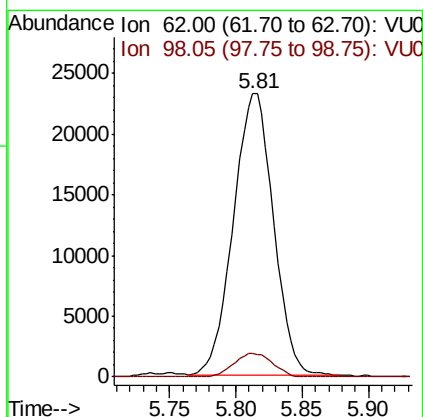
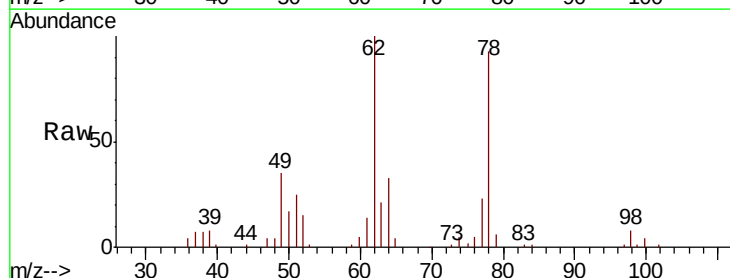
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

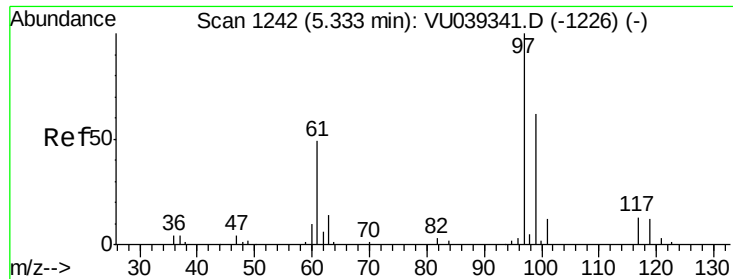
Tot Ion: 83 Resp: 70010
Ion Ratio Lower Upper
83 100
85 64.2 44.9 83.5



#27
1,2-Dichloroethane
Concen: 4.987 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039360.D
Acq: 08 Jul 2020 20:34

Tgt Ion: 62 Resp: 48836
Ion Ratio Lower Upper
62 100
98 8.1 6.3 9.5

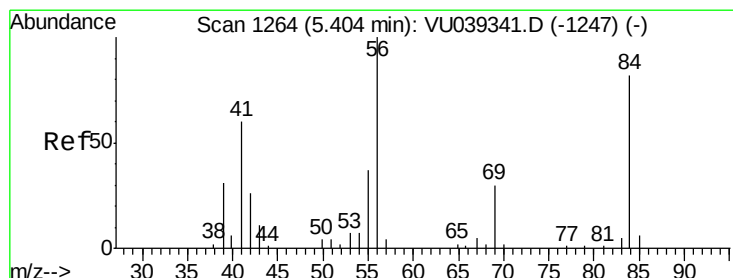
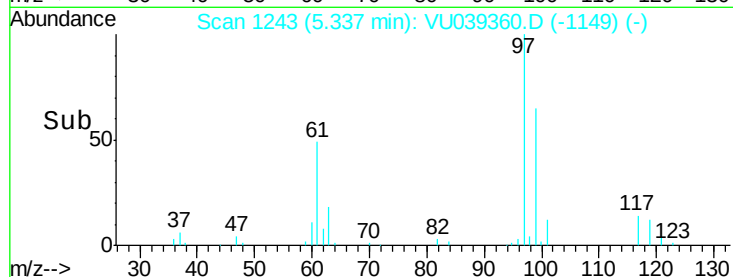
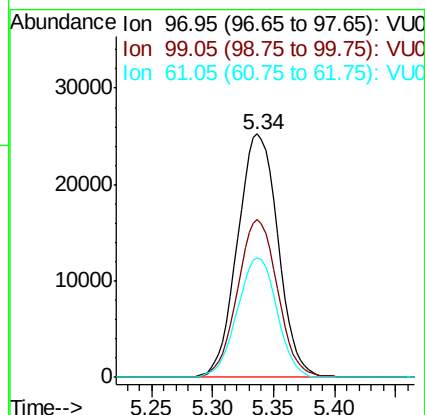
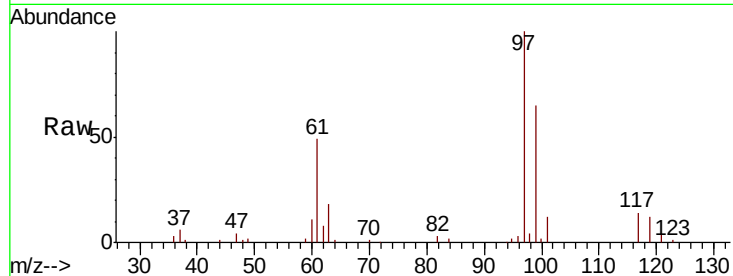




#29
 1,1,1-Trichloroethane
 Concen: 5.107 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VU039360.D
 Acq: 08 Jul 2020 20:34

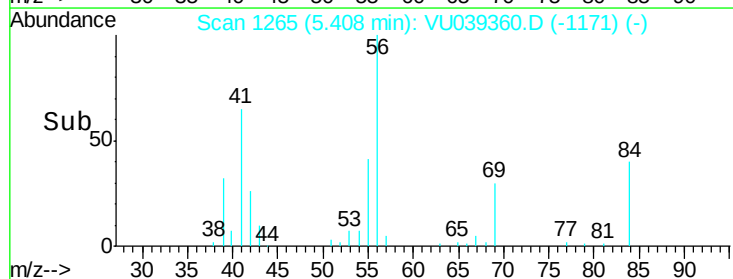
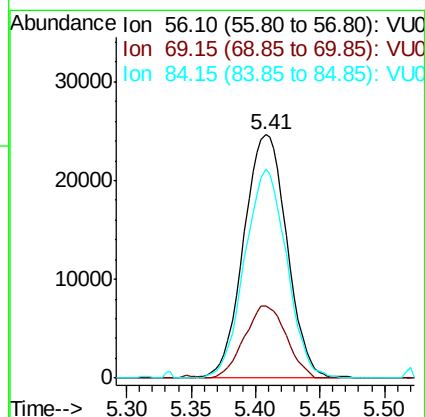
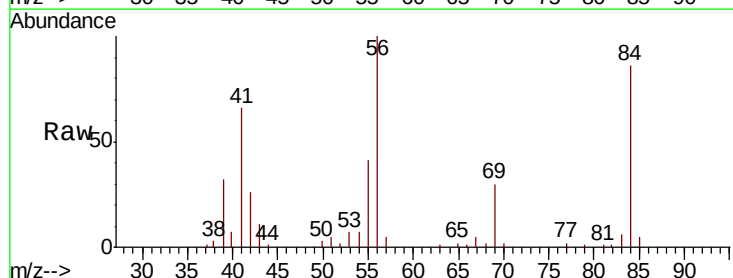
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

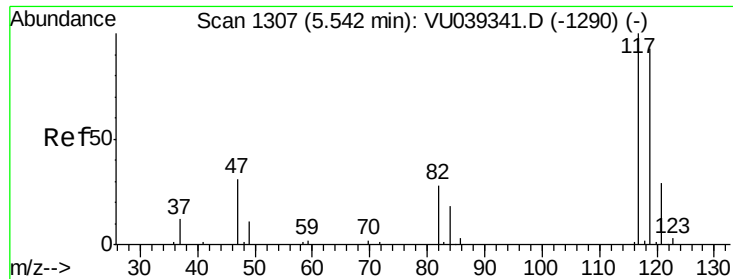
Tot Ion: 97 Resp: 58155
 Ion Ratio Lower Upper
 97 100
 99 64.1 52.6 79.0
 61 47.9 37.9 56.9



#30
 Cyclohexane
 Concen: 4.794 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU039360.D
 Acq: 08 Jul 2020 20:34

Tgt Ion: 56 Resp: 57472
 Ion Ratio Lower Upper
 56 100
 69 28.9 24.1 36.1
 84 83.4 67.0 100.6





#31

Carbon tetrachloride

Concen: 4.824 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU039360.D

Acq: 08 Jul 2020 20:34

Instrument :

MSVOA_U

ClientSampleId :

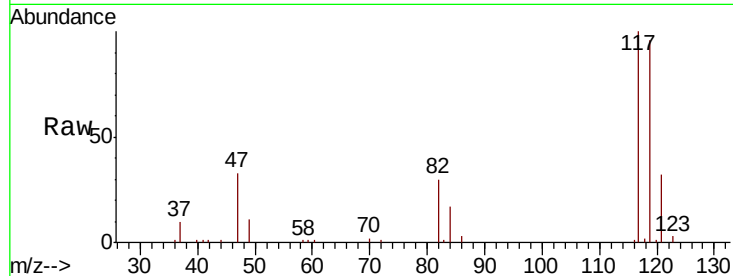
VSTD00509

Tot Ion:117 Resp: 46865

Ion Ratio Lower Upper

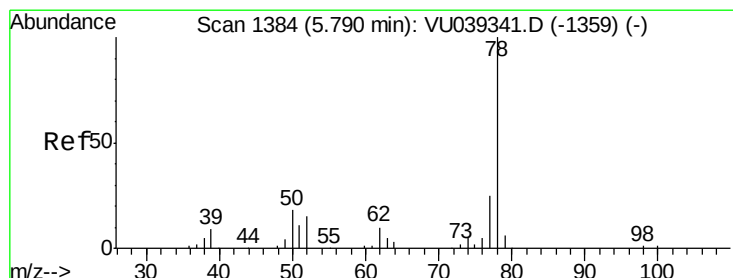
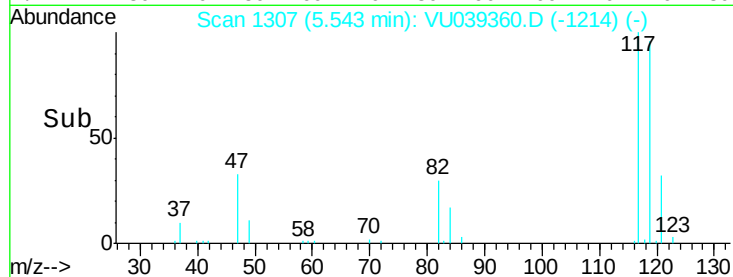
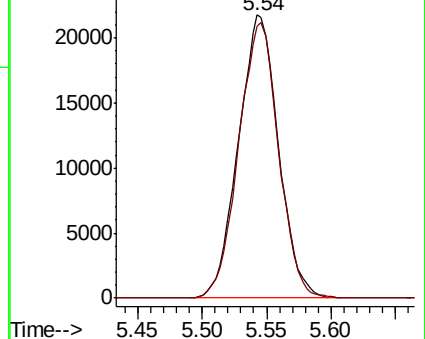
117 100

119 97.3 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.071 ug/L

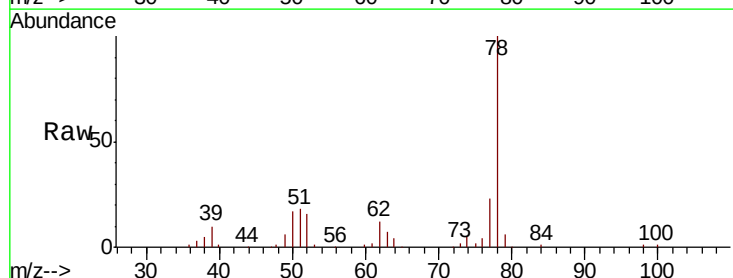
RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

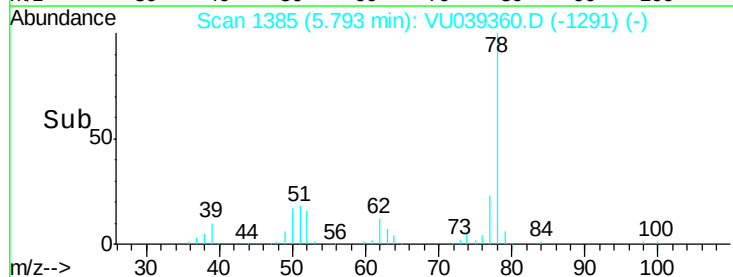
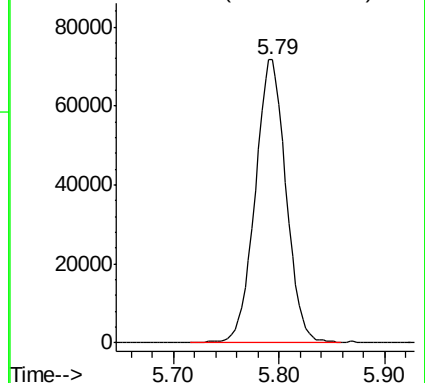
Lab File: VU039360.D

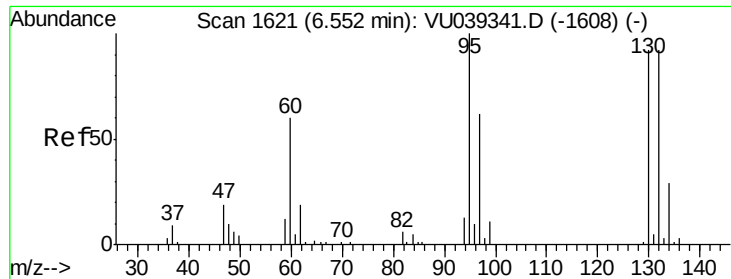
Acq: 08 Jul 2020 20:34

Tgt Ion: 78 Resp: 146581



Abundance Ion 78.10 (77.80 to 78.80): VU0

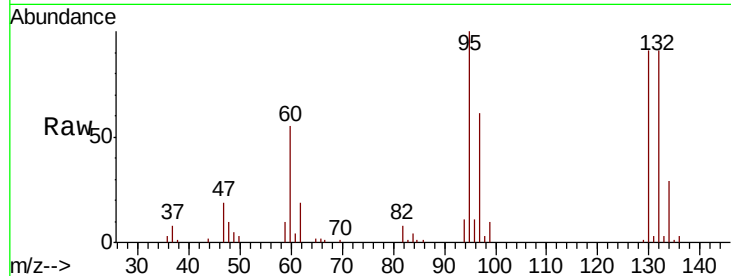




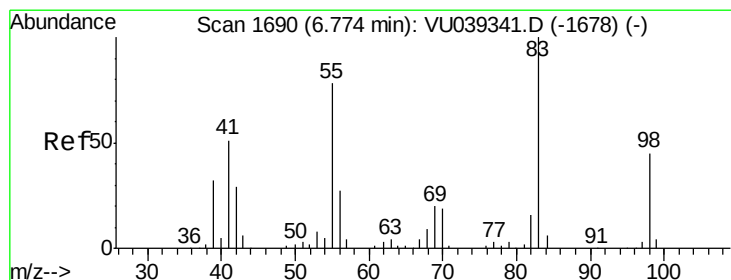
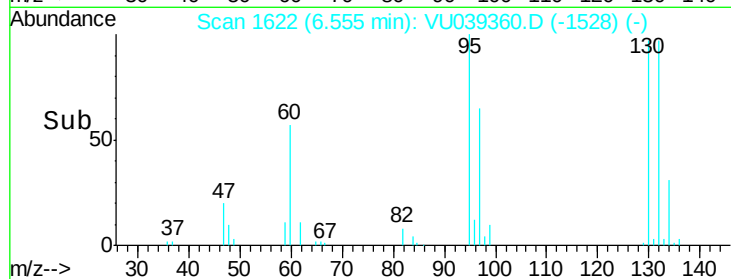
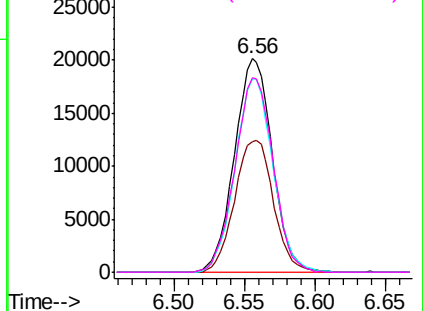
#34
 Trichloroethene
 Concen: 5.075 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039360.D
 Acq: 08 Jul 2020 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tot Ion: 95 Resp: 37928
 Ion Ratio Lower Upper
 95 100
 97 61.3 46.3 85.9
 132 90.8 64.0 118.8
 130 91.3 64.3 119.5

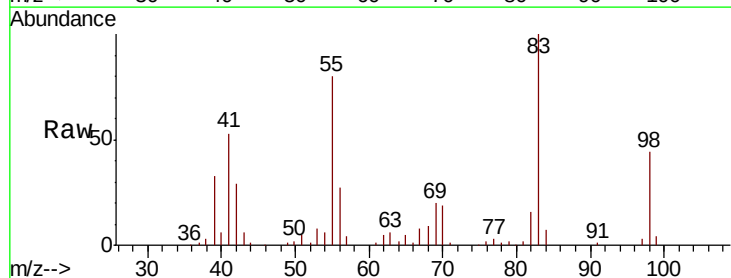


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

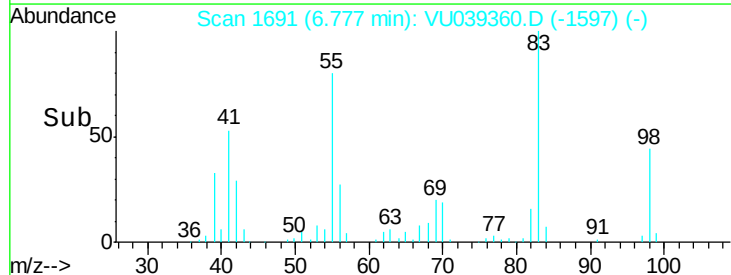
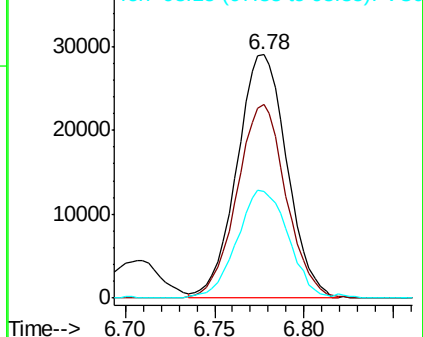


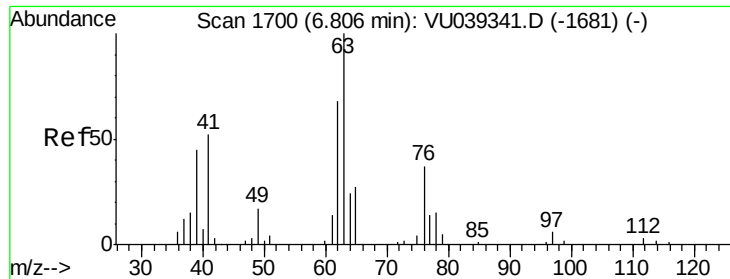
#35
 Methylcyclohexane
 Concen: 4.737 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: VU039360.D
 Acq: 08 Jul 2020 20:34

Tgt Ion: 83 Resp: 56709
 Ion Ratio Lower Upper
 83 100
 55 78.2 62.1 93.1
 98 45.2 35.9 53.9



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

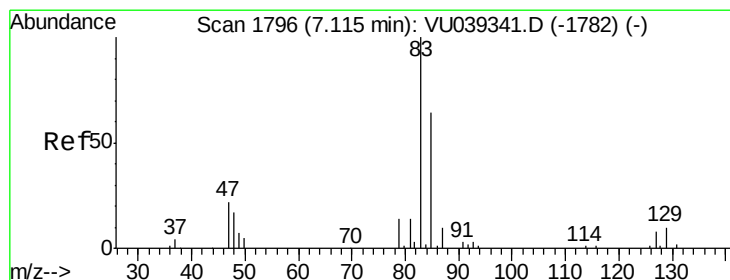
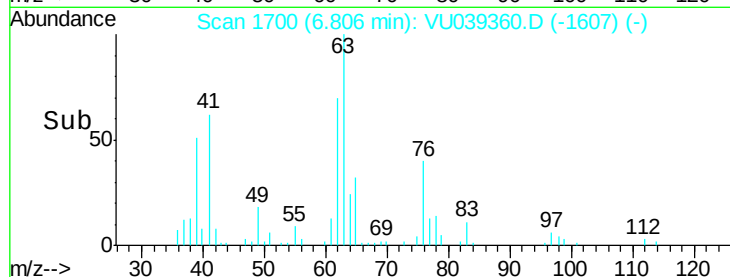
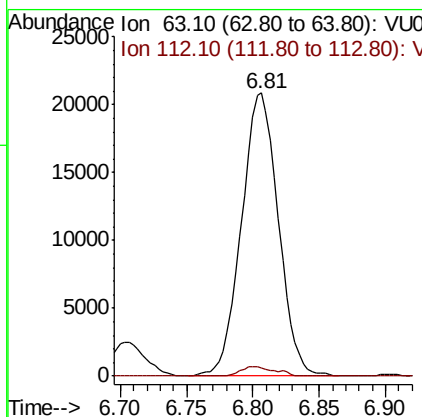
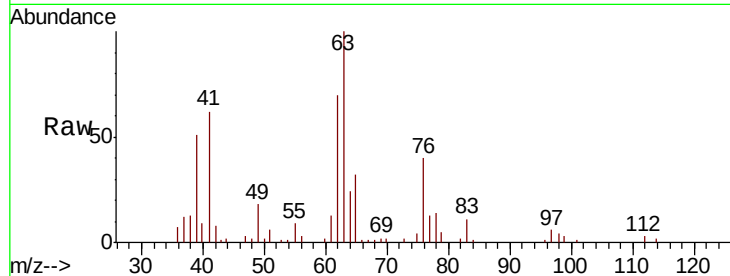




#37
 1,2-Dichloropropane
 Concen: 5.128 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU039360.D
 Acq: 08 Jul 2020 20:34

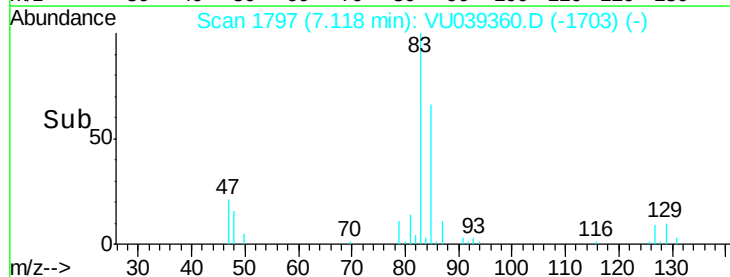
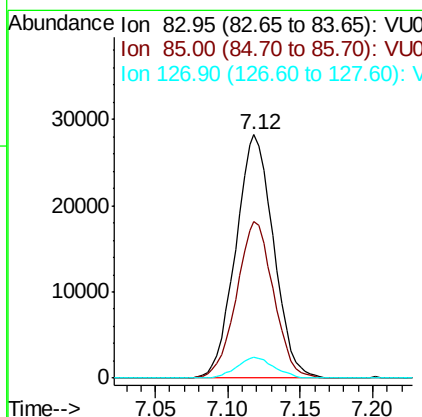
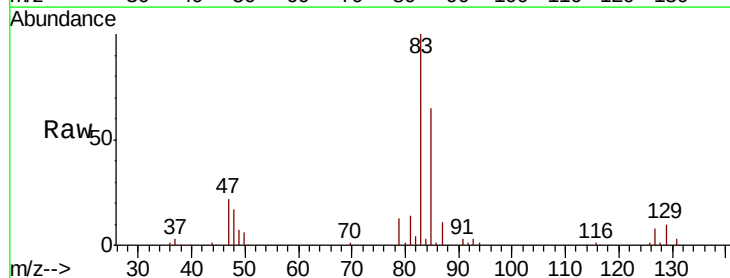
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

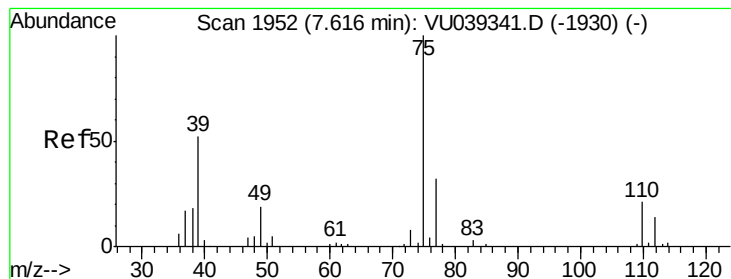
Tot Ion: 63 Resp: 40409
 Ion Ratio Lower Upper
 63 100
 112 3.1 2.5 3.7



#38
 Bromodichloromethane
 Concen: 5.070 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU039360.D
 Acq: 08 Jul 2020 20:34

Tgt Ion: 83 Resp: 51020
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.0 81.6
 127 8.4 6.2 9.4



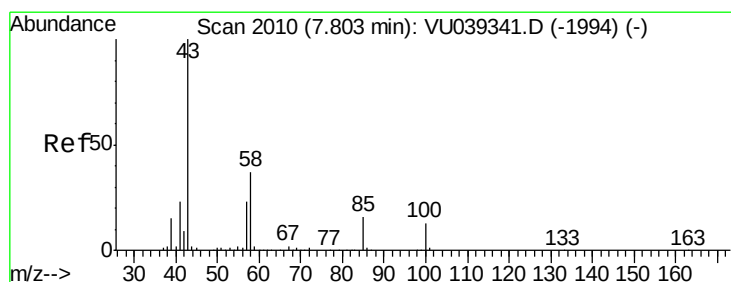
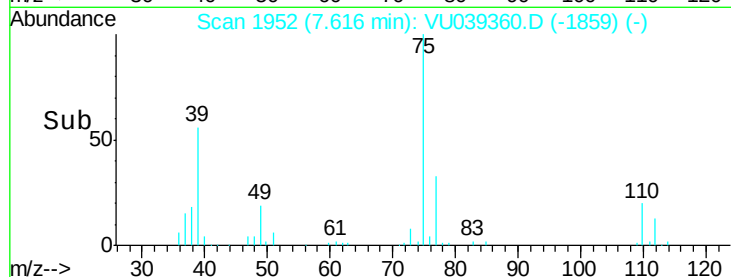
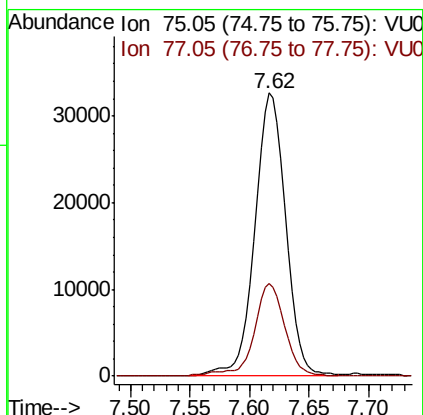
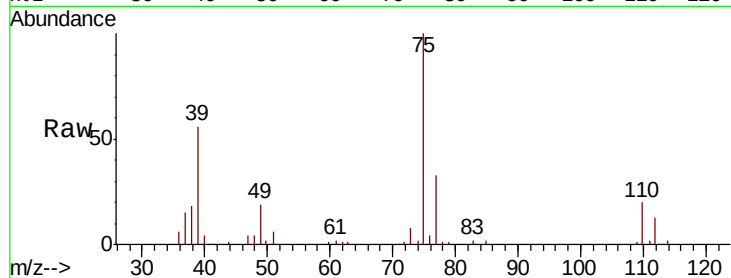


#39

cis-1,3-Dichloropropene
Concen: 4.942 ug/L
RT: 7.62 min Scan# 1952
Delta R.T. 0.00 min
Lab File: VU039360.D
Acq: 08 Jul 2020 20:34

Instrument :
MSVOA_U
ClientSampled :
VSTD00509

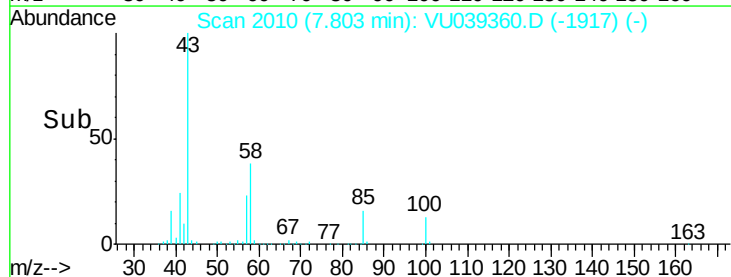
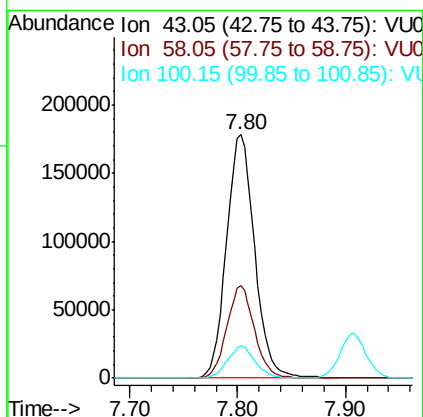
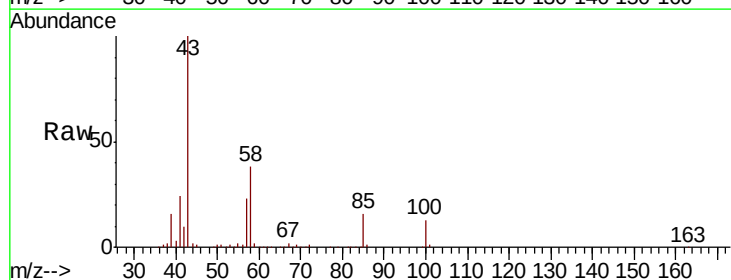
Tot Ion: 75 Resp: 58863
Ion Ratio Lower Upper
75 100
77 32.7 22.3 41.3

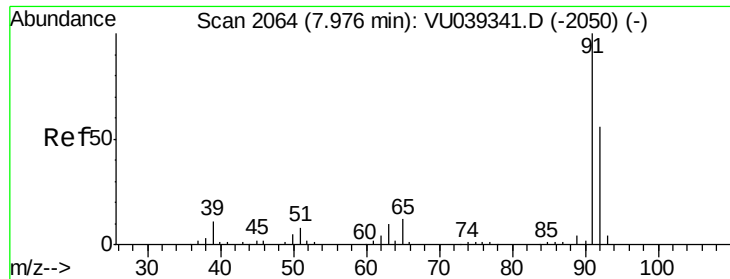


#40

4-Methyl-2-pentanone
Concen: 49.394 ug/L
RT: 7.80 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU039360.D
Acq: 08 Jul 2020 20:34

Tgt Ion: 43 Resp: 324684
Ion Ratio Lower Upper
43 100
58 37.1 30.5 45.7
100 12.8 10.3 15.5





#42

Toluene

Concen: 4.935 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039360.D

Acq: 08 Jul 2020 20:34

Instrument :

MSVOA_U

ClientSampleId :

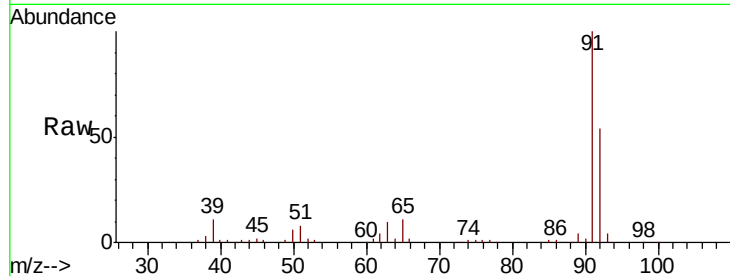
VSTD00509

Tot Ion: 91 Resp: 152745

Ion Ratio Lower Upper

91 100

92 54.4 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

80000

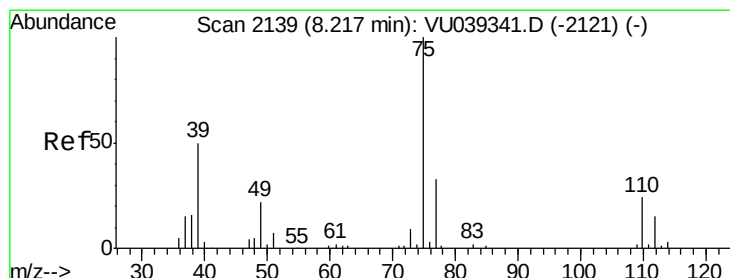
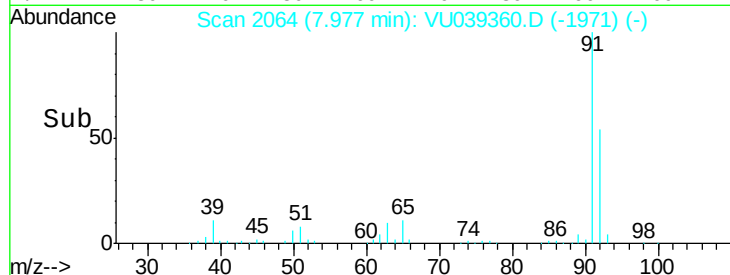
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.985 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039360.D

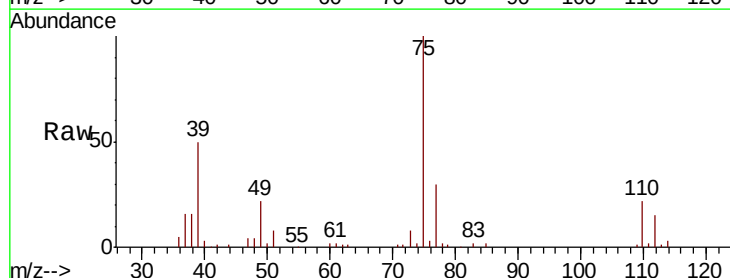
Acq: 08 Jul 2020 20:34

Tgt Ion: 75 Resp: 52679

Ion Ratio Lower Upper

75 100

77 30.0 23.7 43.9



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.22

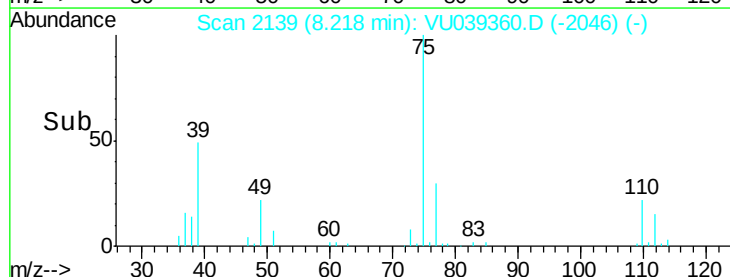
30000

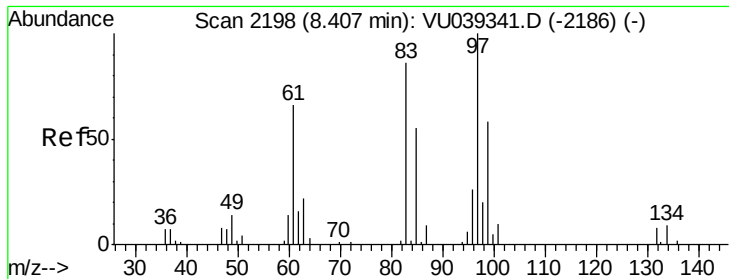
20000

10000

0

Time-->

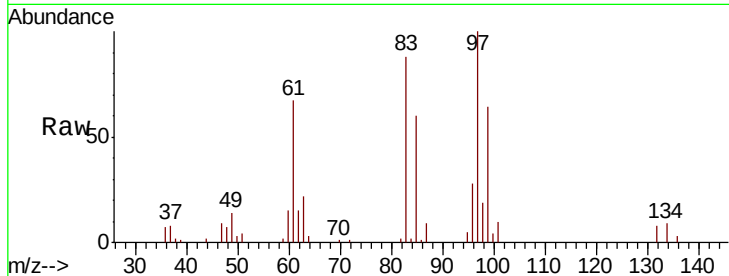




#45
 1,1,2-Trichloroethane
 Concen: 5.088 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU039360.D
 Acq: 08 Jul 2020 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tot Ion:	97	Resp:	28796
Ion	Ratio	Lower	Upper
97	100		
99	64.4	40.7	75.7
83	88.0	60.6	112.6
85	59.6	38.3	71.1



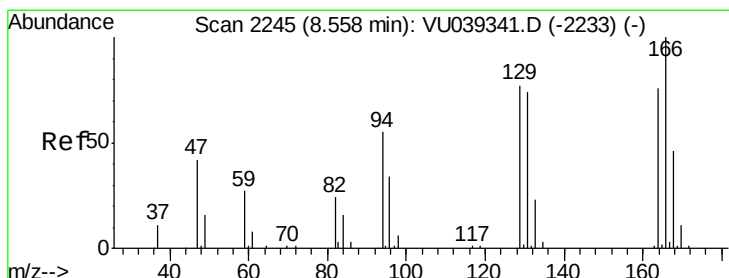
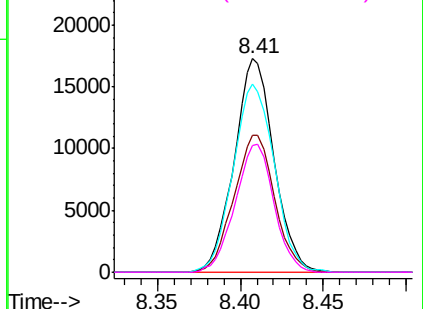
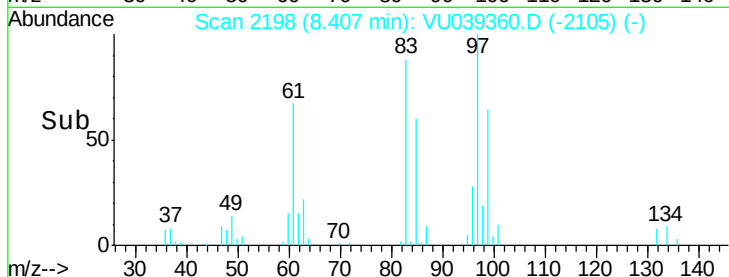
Abundance

Ion 96.95 (96.65 to 97.65): VU039360.D (-2105) (-)

Ion 99.05 (98.75 to 99.75): VU039360.D (-2105) (-)

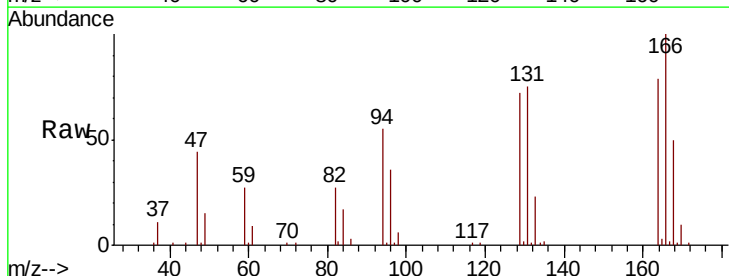
Ion 82.95 (82.65 to 83.65): VU039360.D (-2105) (-)

Ion 85.00 (84.70 to 85.70): VU039360.D (-2105) (-)



#47
 Tetrachloroethene
 Concen: 4.969 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU039360.D
 Acq: 08 Jul 2020 20:34

Tgt Ion:	164	Resp:	25830
Ion	Ratio	Lower	Upper
164	100		
129	91.9	68.6	127.4
131	95.3	66.4	123.4
166	127.0	85.9	159.5



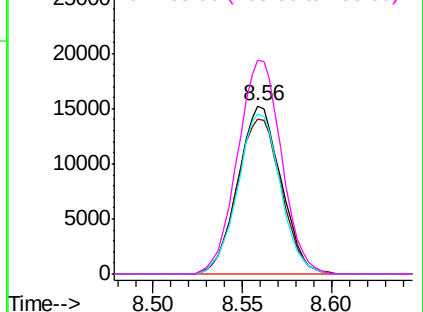
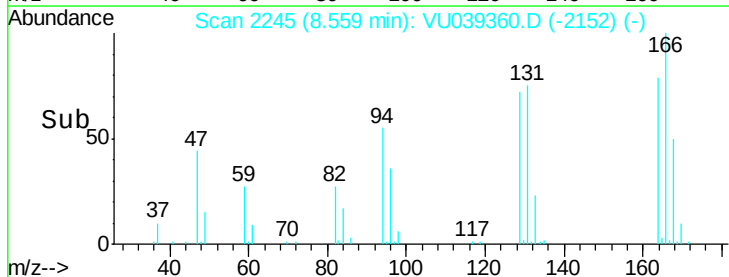
Abundance

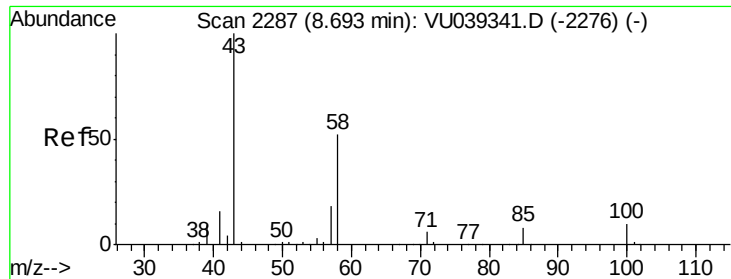
Ion 163.90 (163.60 to 164.60): VU039360.D (-2152) (-)

Ion 128.95 (128.65 to 129.65): VU039360.D (-2152) (-)

Ion 130.95 (130.65 to 131.65): VU039360.D (-2152) (-)

Ion 165.90 (165.60 to 166.60): VU039360.D (-2152) (-)

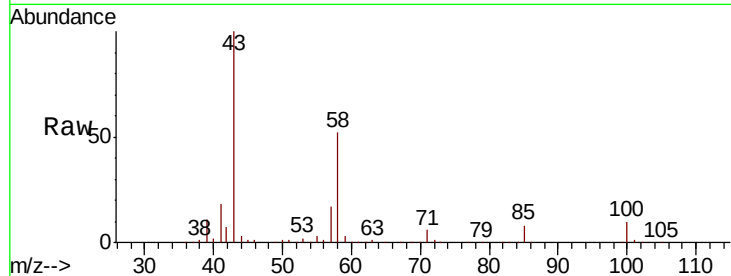




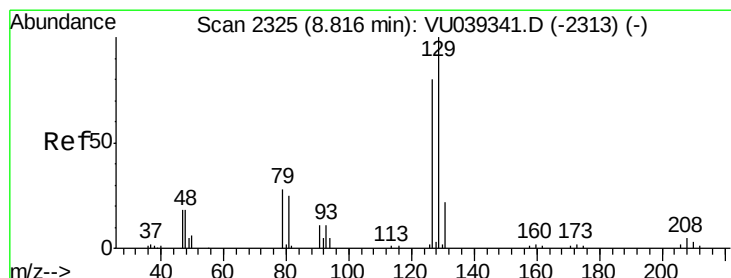
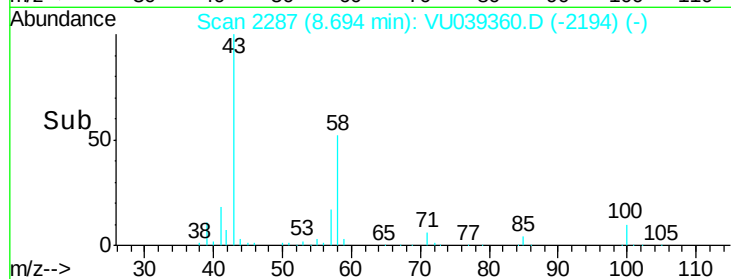
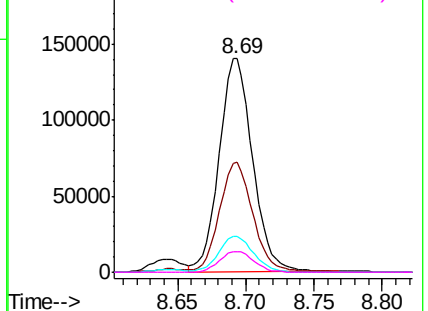
#48
2-Hexanone
Concen: 49.230 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039360.D
Acq: 08 Jul 2020 20:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tot Ion: 43 Resp: 238608
Ion Ratio Lower Upper
43 100
58 51.4 42.0 63.0
57 17.5 14.0 21.0
100 10.0 8.2 12.2

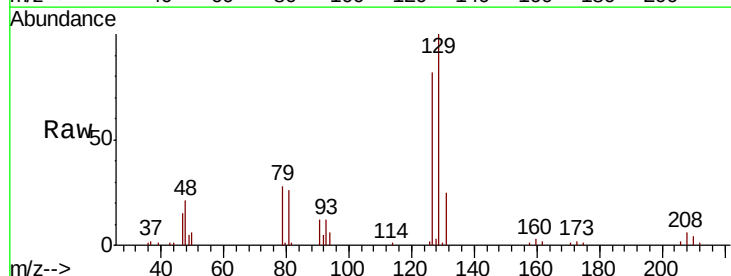


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

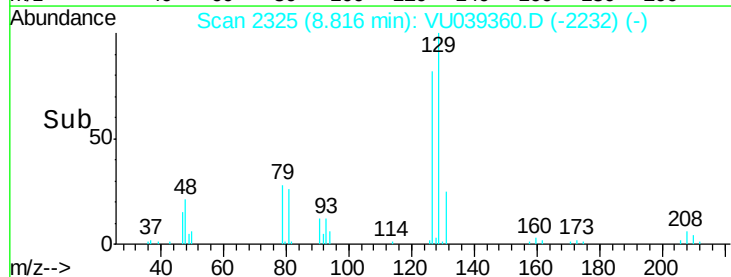
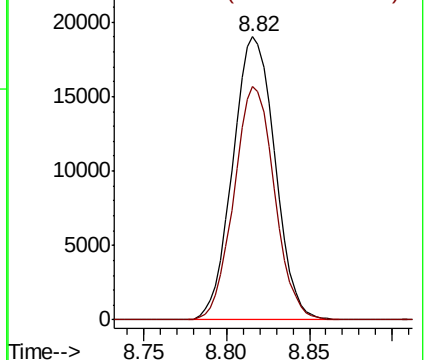


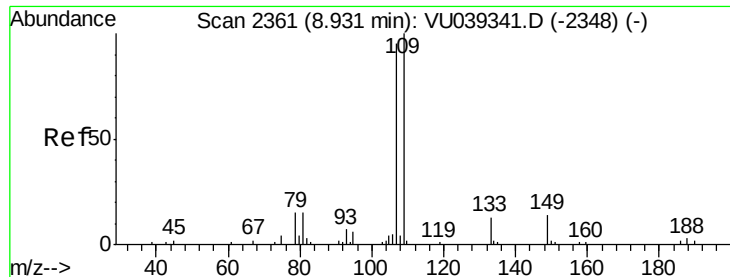
#49
Dibromochloromethane
Concen: 4.912 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039360.D
Acq: 08 Jul 2020 20:34

Tgt Ion: 129 Resp: 33673
Ion Ratio Lower Upper
129 100
127 82.3 55.4 102.8



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 4.990 ug/L

RT: 8.93 min Scan# 2361

Delta R.T. 0.00 min

Lab File: VU039360.D

Acq: 08 Jul 2020 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

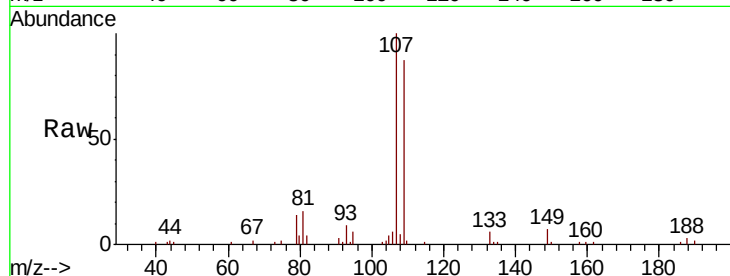
Tot Ion:107 Resp: 28692

Ion Ratio Lower Upper

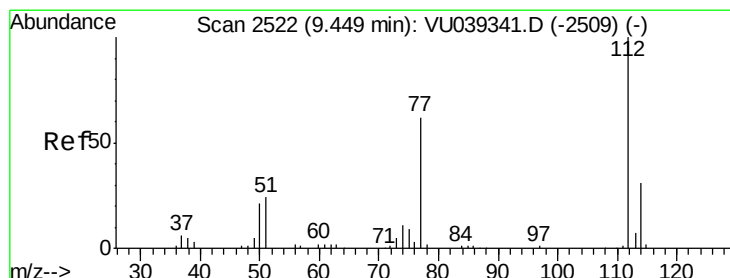
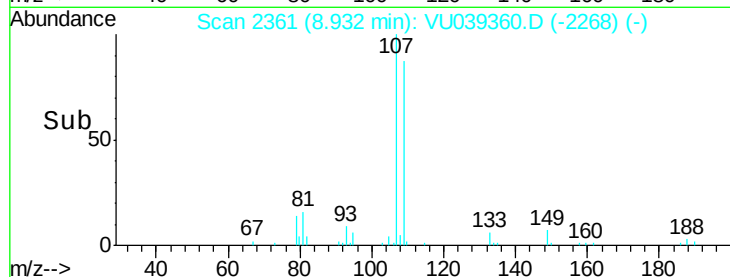
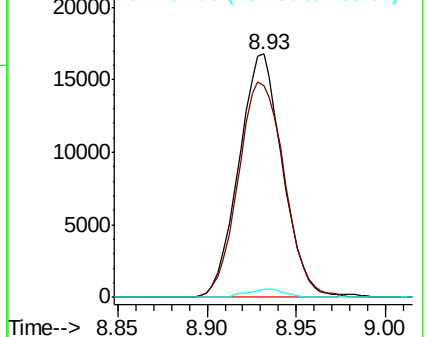
107 100

109 86.9 64.0 118.8

188 3.4 2.6 3.8



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 4.890 ug/L

RT: 9.45 min Scan# 2523

Delta R.T. 0.00 min

Lab File: VU039360.D

Acq: 08 Jul 2020 20:34

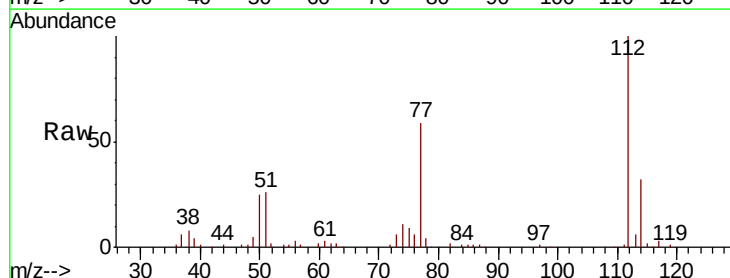
Tgt Ion:112 Resp: 92493

Ion Ratio Lower Upper

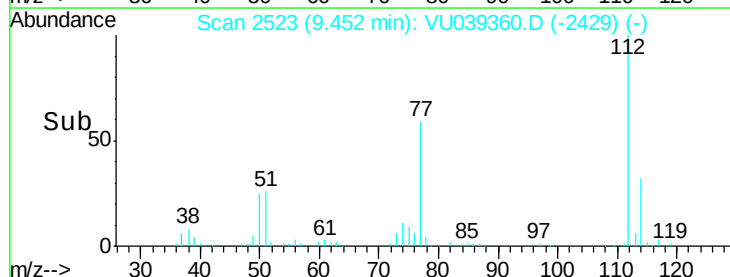
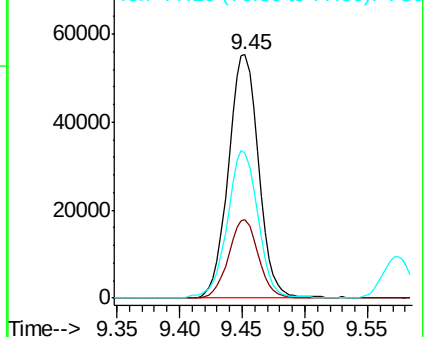
112 100

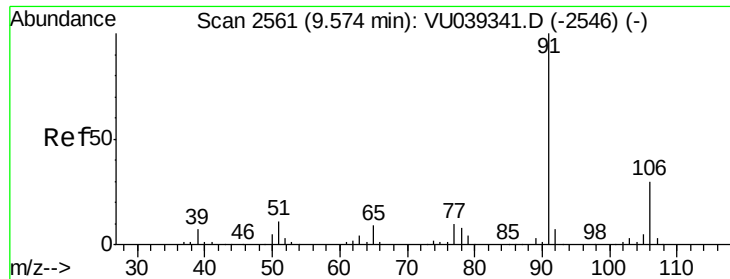
114 32.0 22.1 41.1

77 59.5 49.9 74.9



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: 4.931 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039360.D

Acq: 08 Jul 2020 20:34

Instrument :

MSVOA_U

ClientSampleId :

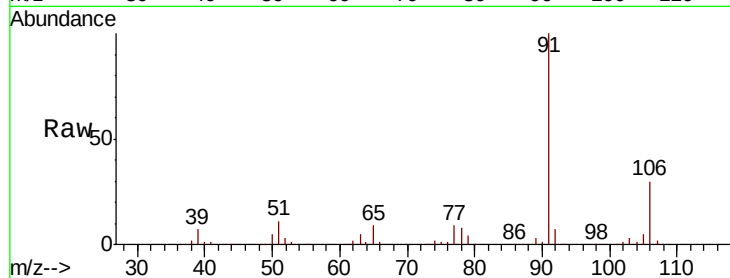
VSTD00509

Tot Ion: 91 Resp: 168691

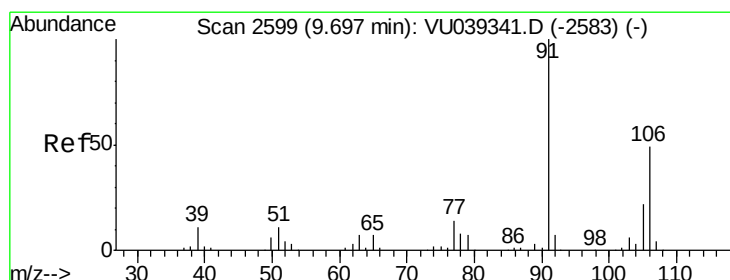
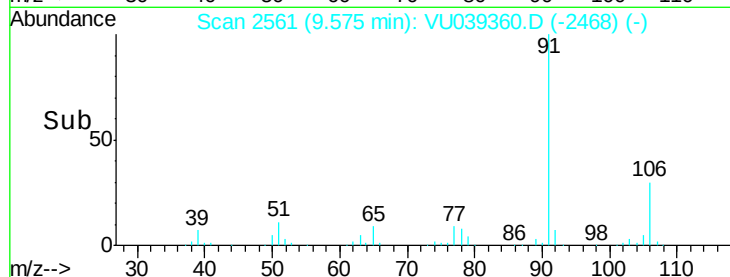
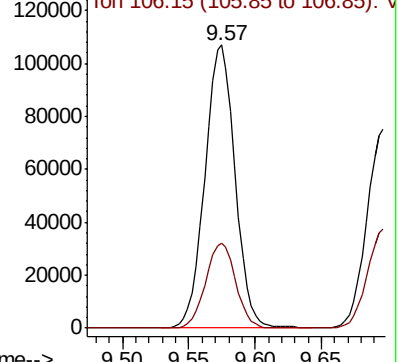
Ion Ratio Lower Upper

91 100

106 30.1 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039341.D (-2546) (-)



#53

m,p-Xylene

Concen: 4.720 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039360.D

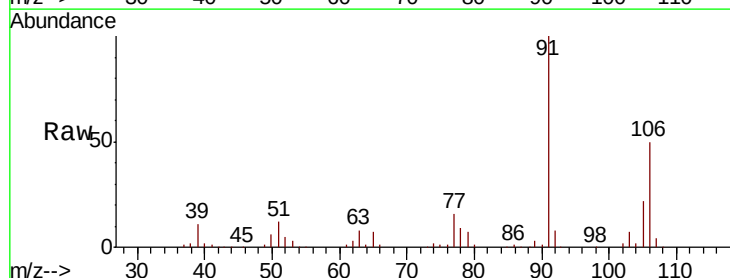
Acq: 08 Jul 2020 20:34

Tgt Ion: 106 Resp: 60841

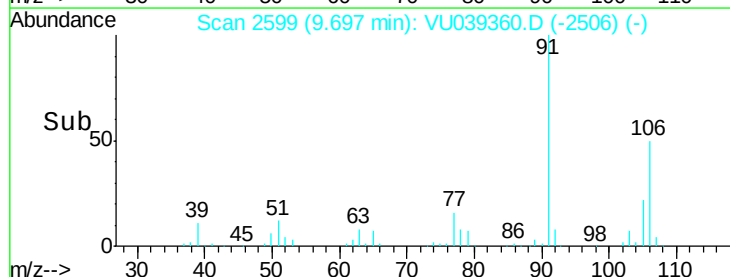
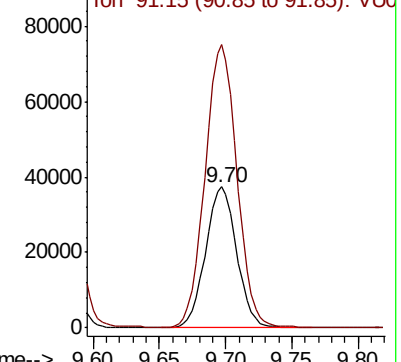
Ion Ratio Lower Upper

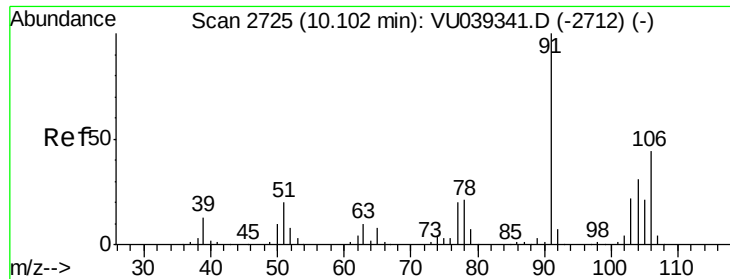
106 100

91 201.1 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): VU039341.D (-2583) (-)

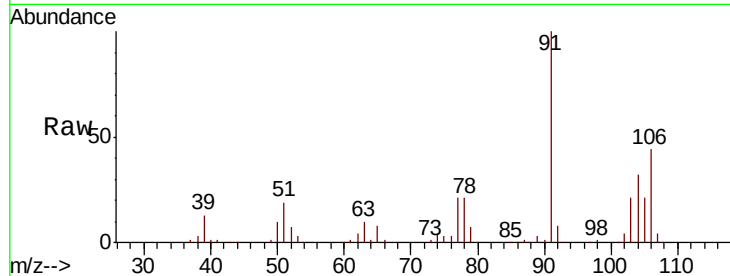




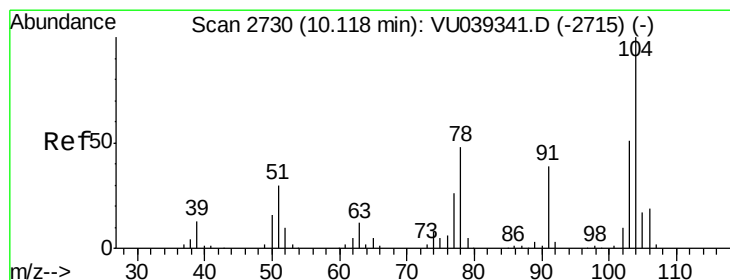
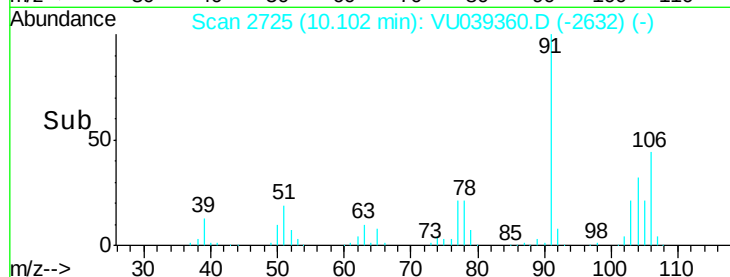
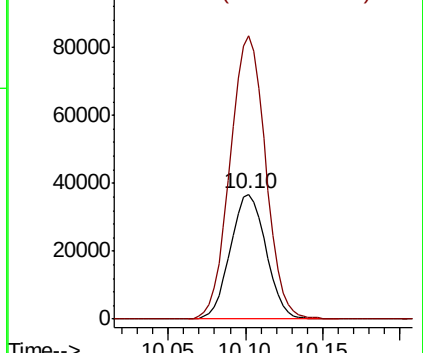
#54
o-Xylene
Concen: 4.692 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039360.D
Acq: 08 Jul 2020 20:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tot Ion:106 Resp: 58872
Ion Ratio Lower Upper
106 100
91 226.1 154.6 287.2

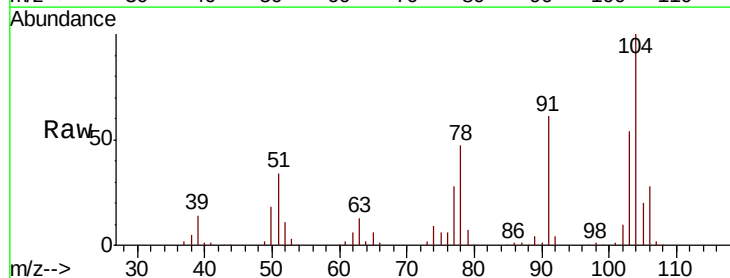


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

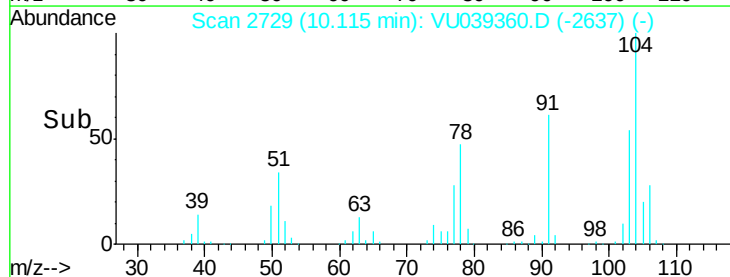
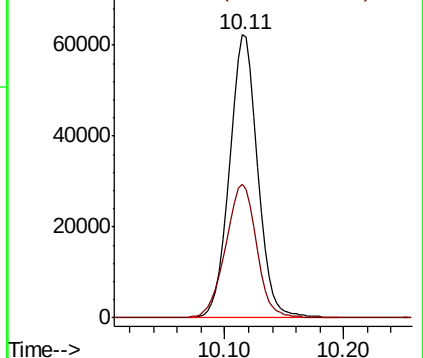


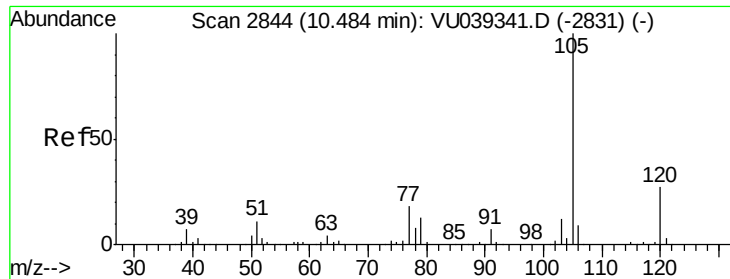
#55
Styrene
Concen: 4.683 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039360.D
Acq: 08 Jul 2020 20:34

Tgt Ion:104 Resp: 102250
Ion Ratio Lower Upper
104 100
78 47.3 33.1 61.5



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.641 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039360.D

Acq: 08 Jul 2020 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

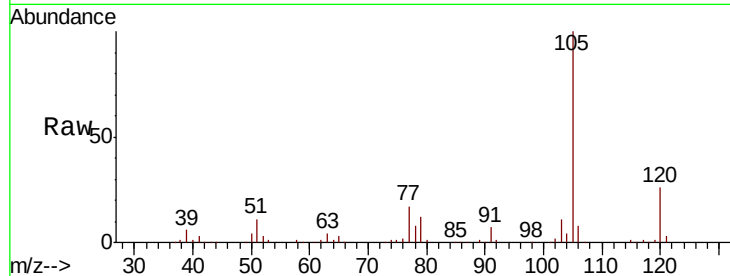
Tot Ion:105 Resp: 157490

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

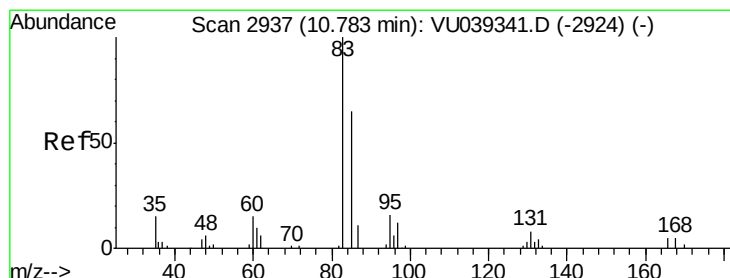
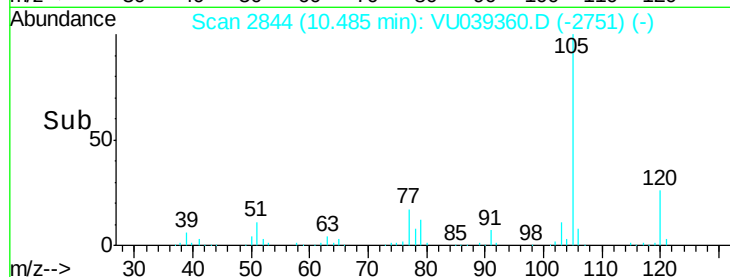
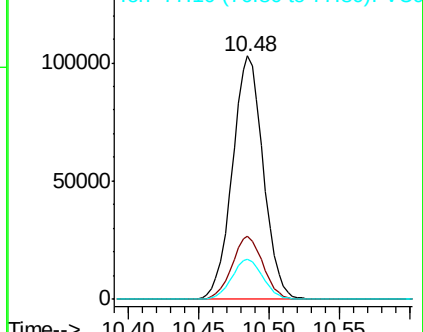
77 16.8 13.9 20.9



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



#58

1,1,2,2-Tetrachloroethane

Concen: 4.895 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039360.D

Acq: 08 Jul 2020 20:34

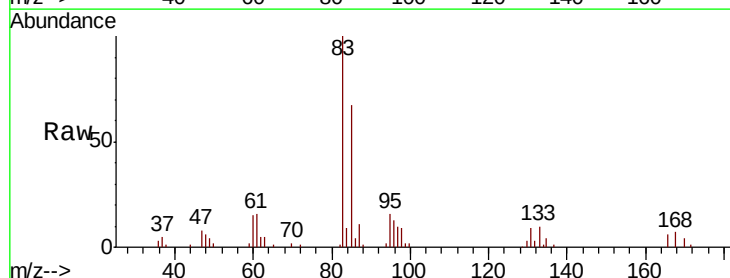
Tgt Ion: 83 Resp: 38564

Ion Ratio Lower Upper

83 100

85 66.6 46.1 85.7

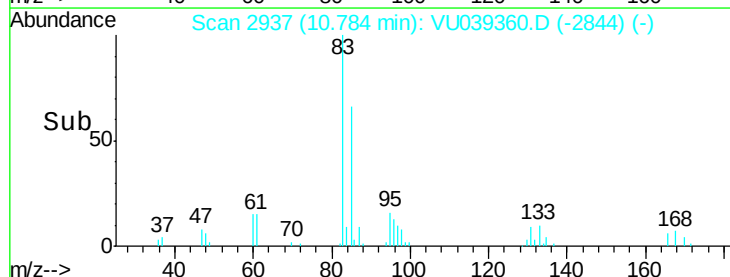
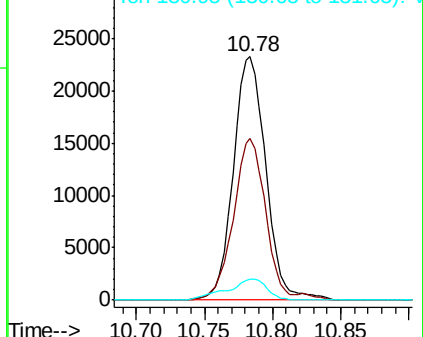
131 8.5 7.4 11.0

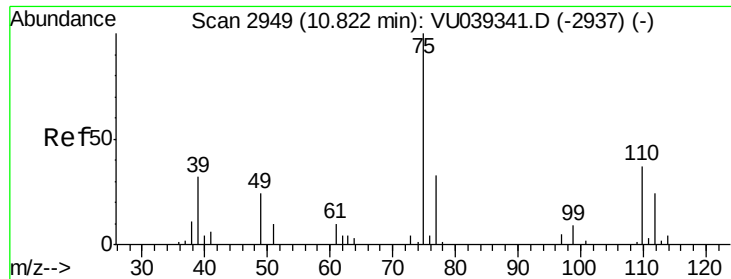


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.810 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU039360.D

Acq: 08 Jul 2020 20:34

Instrument :

MSVOA_U

ClientSampleId :

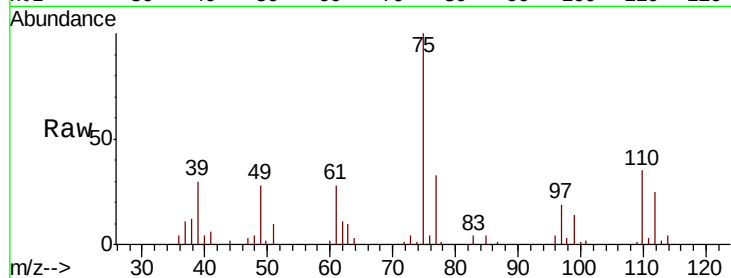
VSTD00509

Tot Ion: 75 Resp: 27935

Ion Ratio Lower Upper

75 100

77 32.7 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU039341.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039341.D (-2937) (-)

10.82

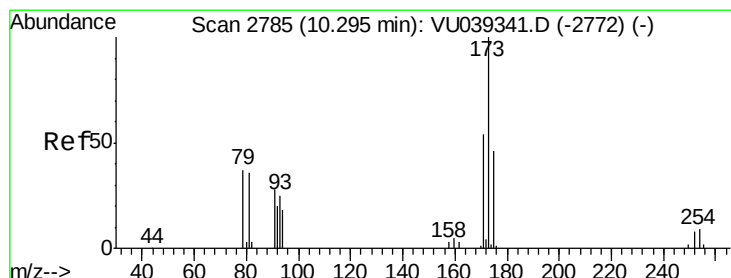
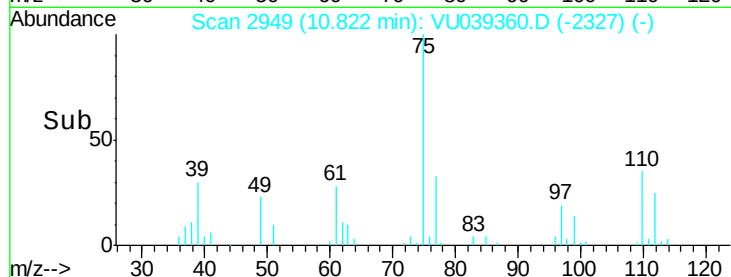
15000

10000

5000

0

Time-->



#61

Bromoform

Concen: 4.970 ug/L

RT: 10.29 min Scan# 2785

Delta R.T. 0.00 min

Lab File: VU039360.D

Acq: 08 Jul 2020 20:34

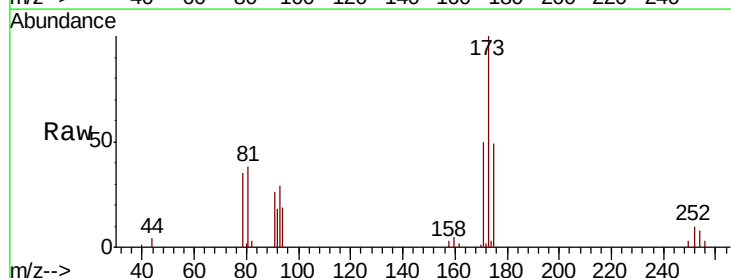
Tgt Ion: 173 Resp: 19374

Ion Ratio Lower Upper

173 100

175 49.6 37.5 56.3

254 8.1 6.7 10.1



Abundance Ion 172.90 (172.60 to 173.60): VU039341.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU039341.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU039341.D (-2772) (-)

10.29

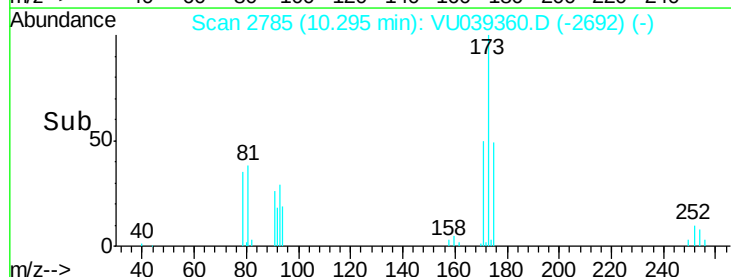
15000

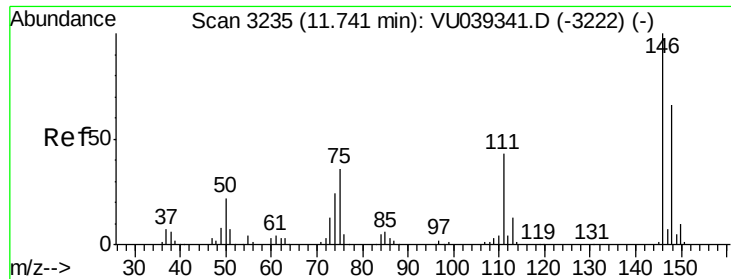
10000

5000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 4.917 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU039360.D

Acq: 08 Jul 2020 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

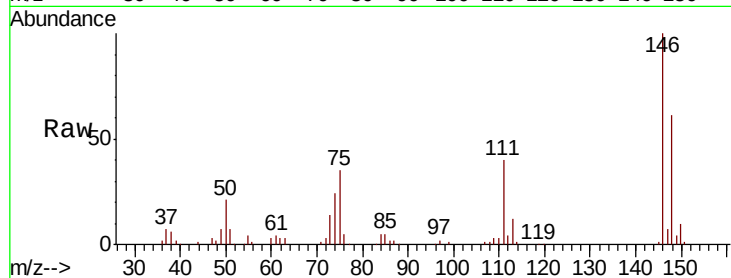
Tot Ion:146 Resp: 71267

Ion Ratio Lower Upper

146 100

111 40.4 29.0 53.8

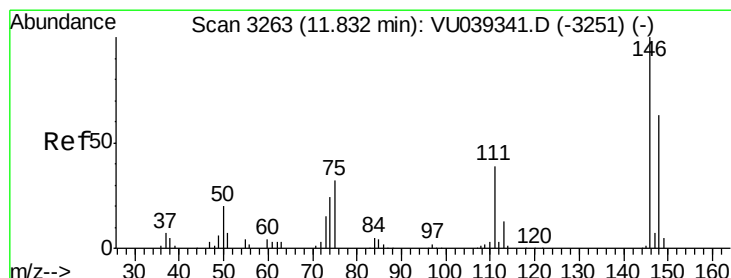
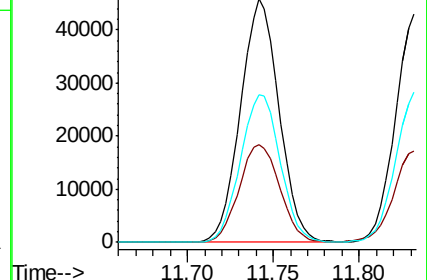
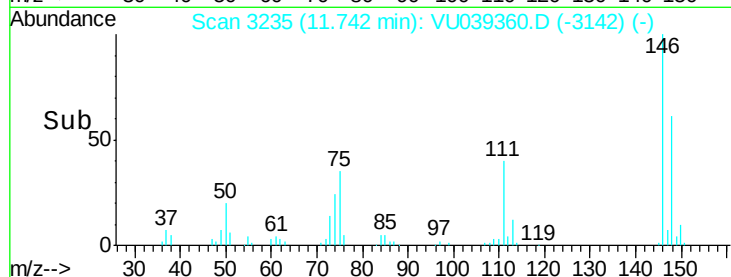
148 60.8 43.5 80.9



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: 4.699 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU039360.D

Acq: 08 Jul 2020 20:34

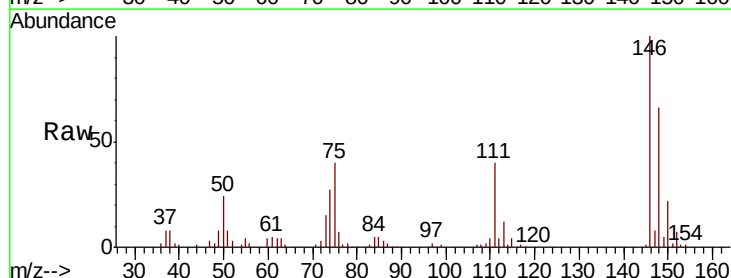
Tgt Ion:146 Resp: 68328

Ion Ratio Lower Upper

146 100

111 39.9 28.6 53.0

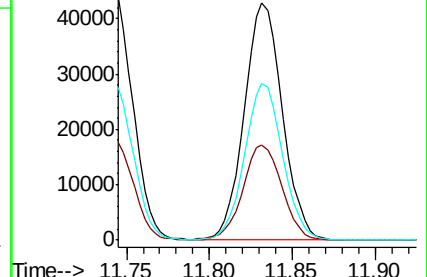
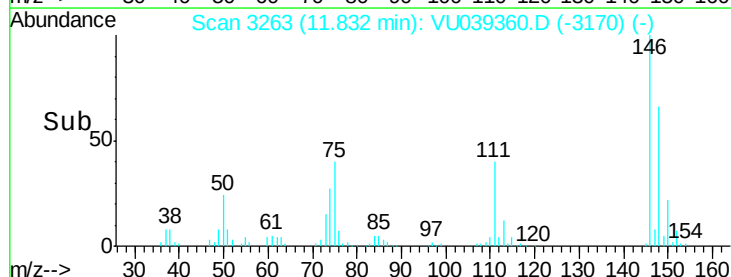
148 66.2 45.0 83.6

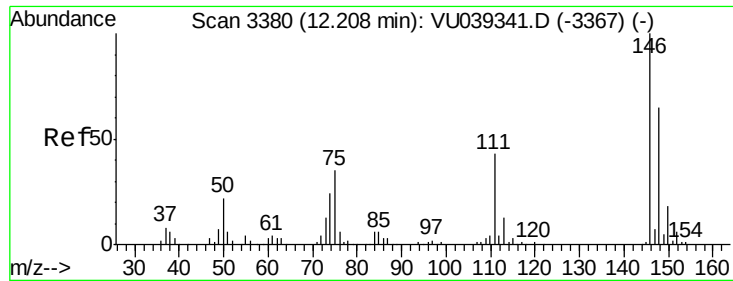


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

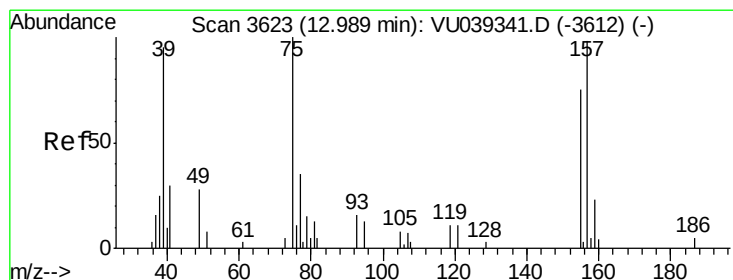
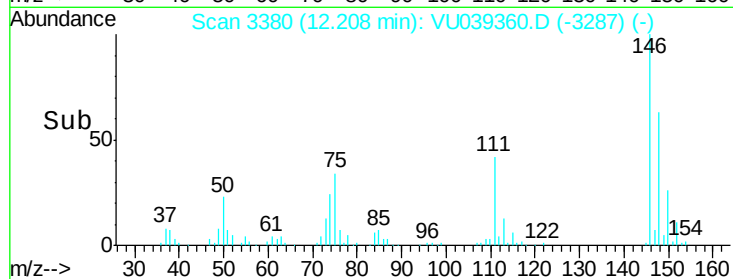
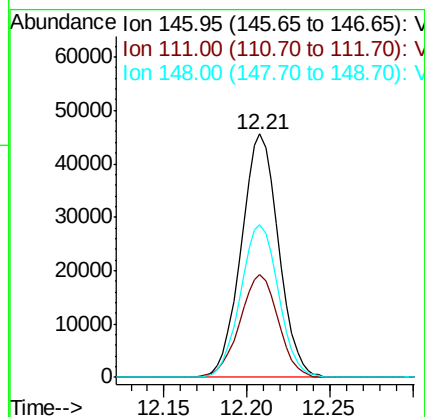
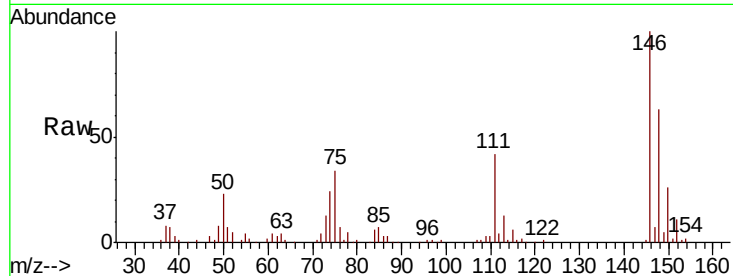




#65
 1,2-Dichlorobenzene
 Concen: 4.902 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039360.D
 Acq: 08 Jul 2020 20:34

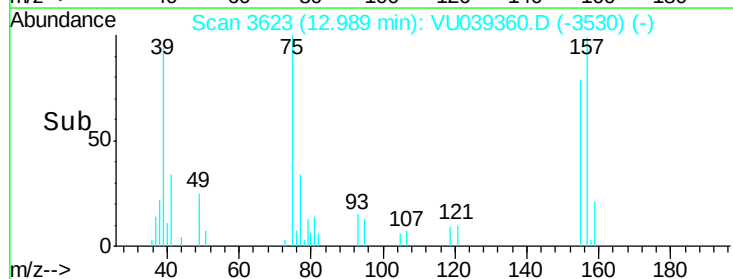
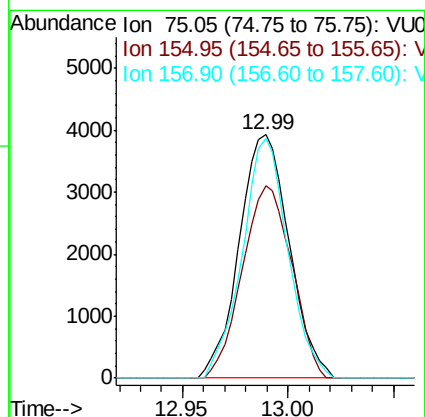
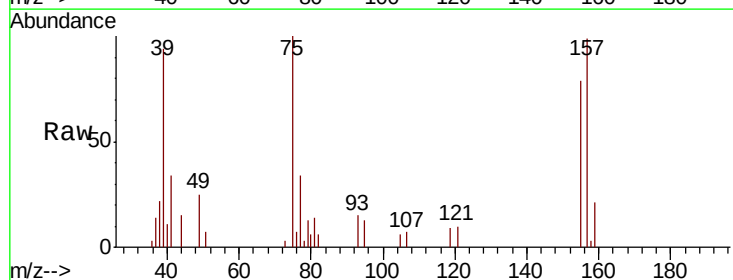
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

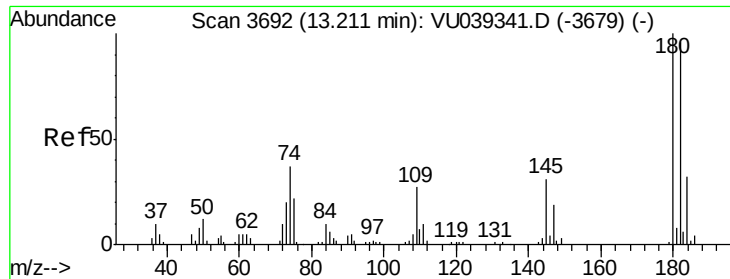
Tot Ion:146 Resp: 71220
 Ion Ratio Lower Upper
 146 100
 111 42.0 35.0 52.4
 148 62.6 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.038 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU039360.D
 Acq: 08 Jul 2020 20:34

Tgt Ion: 75 Resp: 6466
 Ion Ratio Lower Upper
 75 100
 155 79.2 51.9 77.9#
 157 98.5 63.2 94.8#

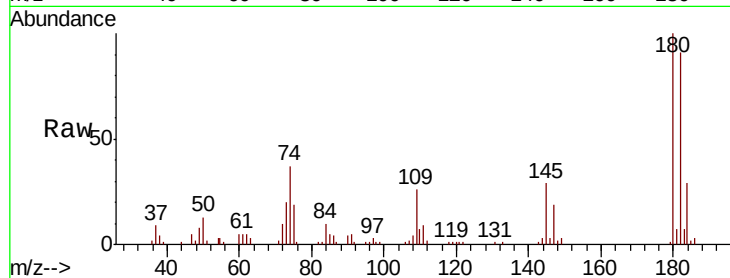




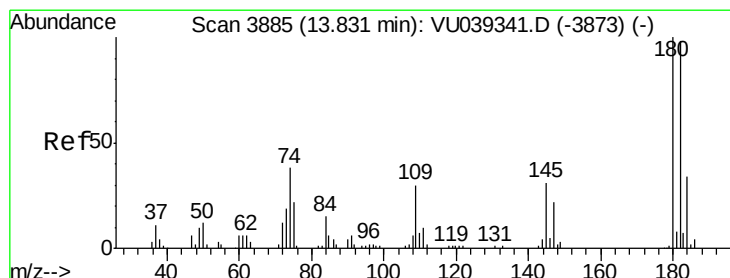
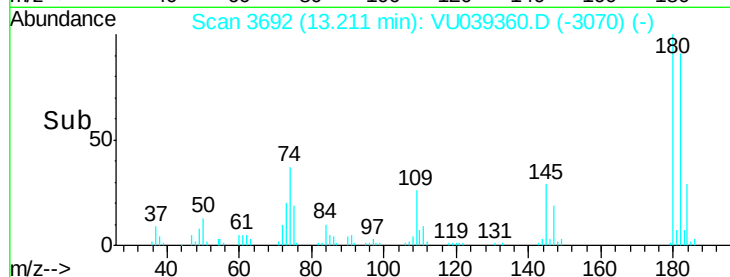
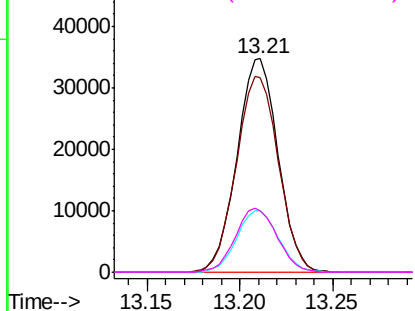
#67
 1,3,5-Trichlorobenzene
 Concen: 4.929 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039360.D
 Acq: 08 Jul 2020 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tot Ion:180 Resp: 53459
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.2 114.4
 184 29.3 24.2 36.4
 145 30.5 24.2 36.2

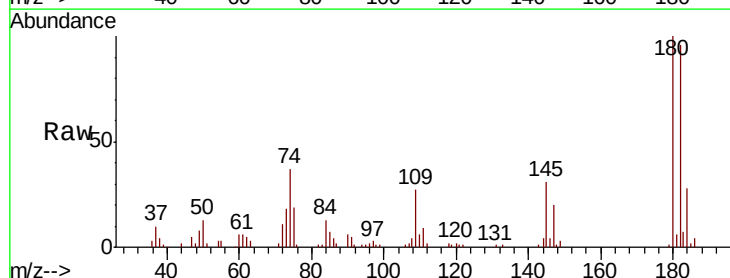


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

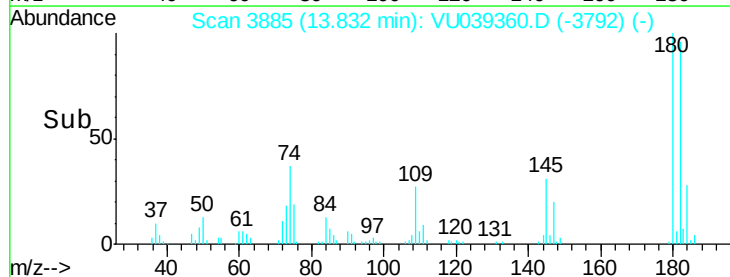
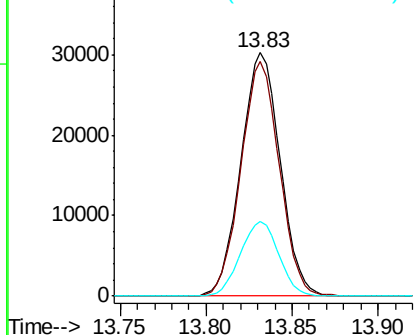


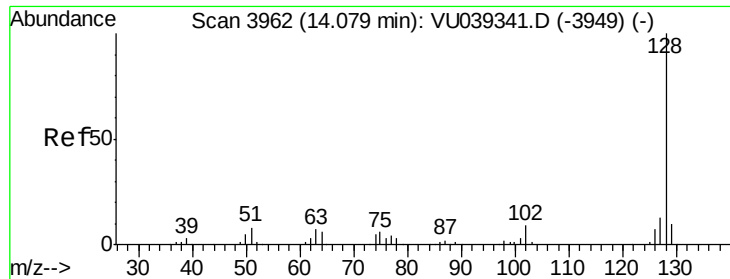
#68
 1,2,4-trichlorobenzene
 Concen: 5.162 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039360.D
 Acq: 08 Jul 2020 20:34

Tgt Ion:180 Resp: 47911
 Ion Ratio Lower Upper
 180 100
 182 94.2 79.4 119.2
 145 30.0 26.4 39.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.991 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039360.D

Acq: 08 Jul 2020 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

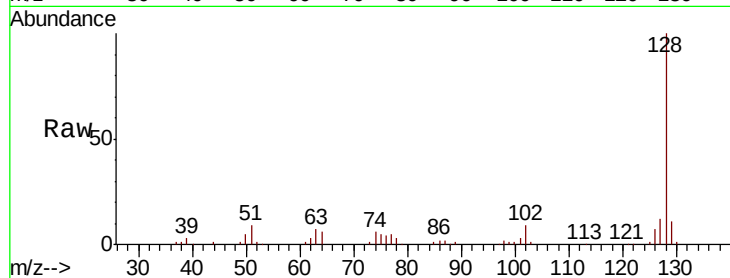
Tot Ion:128 Resp: 93206

Ion Ratio Lower Upper

128 100

129 10.2 8.6 13.0

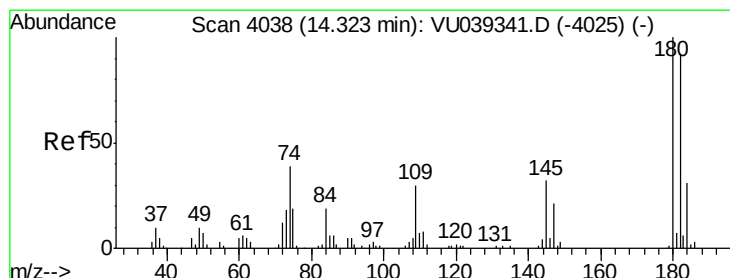
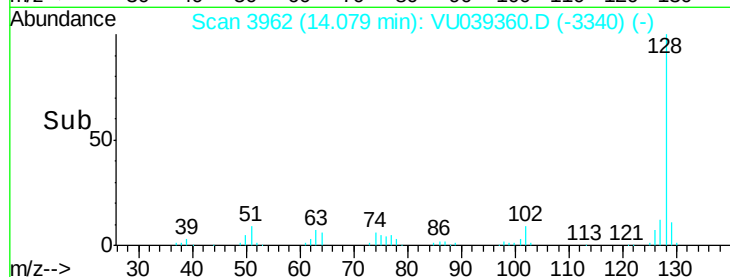
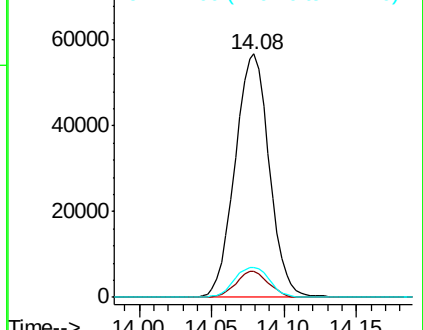
127 12.7 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.188 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU039360.D

Acq: 08 Jul 2020 20:34

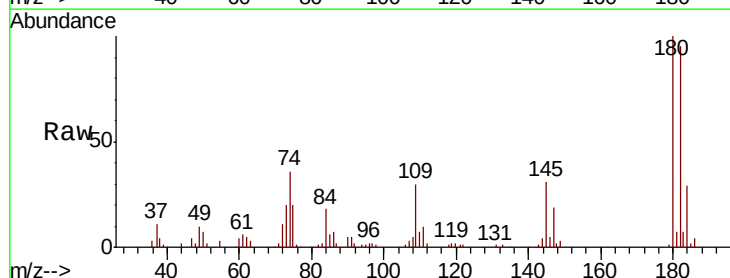
Tgt Ion:180 Resp: 44619

Ion Ratio Lower Upper

180 100

182 94.2 74.2 111.2

145 33.0 27.6 41.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

