

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071320\
 Data File : VU039467.D
 Acq On : 13 Jul 2020 13:11
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB30

Quant Time: Jul 14 07:09:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jul 13 03:55:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	113547	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	110033	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	55222	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	35150	5.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.80%
7) Chloroethane-d5	1.92	69	36573	5.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.60%
11) 1,1-Dichloroethene-d2	2.58	63	69730	5.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.80%
20) 2-Butanone-d5	4.65	46	140924	46.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.60%
24) Chloroform-d	5.08	84	76098	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.60%
26) 1,2-Dichloroethane-d4	5.72	65	46824	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
32) Benzene-d6	5.74	84	148587	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.20%
36) 1,2-Dichloropropane-d6	6.70	67	47422	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.91	98	136946	5.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	119.20%
43) trans-1,3-Dichloropropene-	8.19	79	22231	5.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.20%
46) 2-Hexanone-d5	8.64	63	114455	46.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.90%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	45174	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	53243	5.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	34307	4.985 ug/L	97
3) Chloromethane	1.53	50	36689	4.400 ug/L	98
5) Vinyl chloride	1.61	62	40547	4.379 ug/L	99
6) Bromomethane	1.87	94	22784	5.714 ug/L	98
8) Chloroethane	1.94	64	32657	4.882 ug/L	98
9) Trichlorofluoromethane	2.15	101	83681	5.205 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	32545	4.933 ug/L	98
12) 1,1-Dichloroethene	2.59	96	29884	4.425 ug/L	86
13) Acetone	2.66	43	75950	46.729 ug/L	99
14) Carbon disulfide	2.81	76	99093	4.165 ug/L	98
15) Methyl Acetate	2.97	43	18674	4.350 ug/L	94
16) Methylene chloride	3.06	84	36829	4.336 ug/L	91
17) Methyl tert-butyl Ether	3.38	73	99711	4.686 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	34221	4.578 ug/L	91
19) 1,1-Dichloroethane	3.89	63	67929	4.644 ug/L	100
21) 2-Butanone	4.73	43	138645	47.792 ug/L	99
22) cis-1,2-Dichloroethene	4.68	96	39771	4.744 ug/L	100

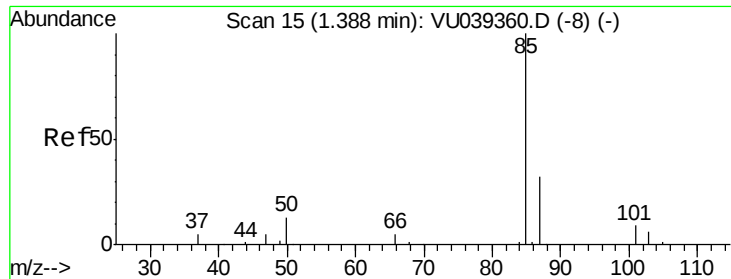
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071320\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	18217	4.784	uq/L	99
25) Chloroform	5.11	83	74163	5.021	uq/L	99
27) 1,2-Dichloroethane	5.81	62	55135	5.160	uq/L	99
29) 1,1,1-Trichloroethane	5.33	97	64736	4.995	uq/L	98
30) Cyclohexane	5.40	56	65588	4.807	uq/L	97
31) Carbon tetrachloride	5.54	117	54488	4.928	uq/L	99
33) Benzene	5.79	78	156078	4.744	uq/L	100
34) Trichloroethene	6.56	95	41675	4.900	uq/L	96
35) Methylcyclohexane	6.77	83	66958	4.914	uq/L	98
37) 1,2-Dichloropropane	6.80	63	41832	4.665	uq/L	100
38) Bromodichloromethane	7.12	83	54492	4.758	uq/L	100
39) cis-1,3-Dichloropropene	7.62	75	62402	4.603	uq/L	94
40) 4-Methyl-2-pentanone	7.80	43	346440	46.309	uq/L	99
42) Toluene	7.98	91	169176	4.802	uq/L	99
44) trans-1,3-Dichloropropene	8.22	75	58150	4.835	uq/L	96
45) 1,1,2-Trichloroethane	8.41	97	31415	4.877	uq/L	94
47) Tetrachloroethene	8.56	164	30167	5.099	uq/L	97
48) 2-Hexanone	8.69	43	260048	47.143	uq/L	99
49) Dibromochloromethane	8.82	129	38581	4.945	uq/L	99
50) 1,2-Dibromoethane	8.93	107	32897	5.027	uq/L	97
51) Chlorobenzene	9.45	112	109636	5.093	uq/L	100
52) Ethylbenzene	9.57	91	193329	4.966	uq/L	99
53) m,p-Xylene	9.70	106	74786	5.098	uq/L	96
54) o-Xylene	10.10	106	70761	4.955	uq/L	95
55) Styrene	10.11	104	120332	4.843	uq/L	97
56) Isopropylbenzene	10.48	105	196903	5.098	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	43360	4.836	uq/L	95
59) 1,2,3-Trichloropropane	10.83	75	31154	4.714	uq/L	98
61) Bromoform	10.29	173	23632	5.078	uq/L	97
62) 1,3-Dichlorobenzene	11.74	146	86723	5.012	uq/L	96
63) 1,4-Dichlorobenzene	11.83	146	86250	4.968	uq/L	98
65) 1,2-Dichlorobenzene	12.21	146	84653	4.880	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	7378	4.815	uq/L #	82
67) 1,3,5-Trichlorobenzene	13.21	180	65156	5.032	uq/L	98
68) 1,2,4-trichlorobenzene	13.83	180	55540	5.012	uq/L	97
69) Naphthalene	14.08	128	101502	4.552	uq/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	49655	4.836	uq/L	98

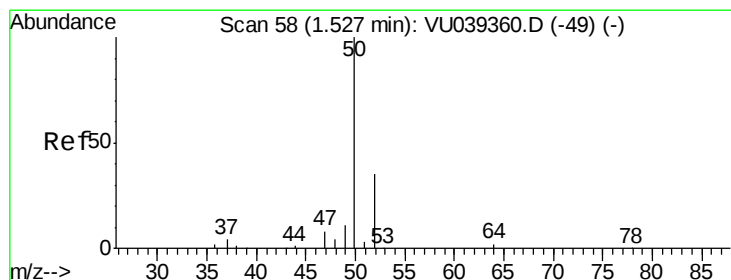
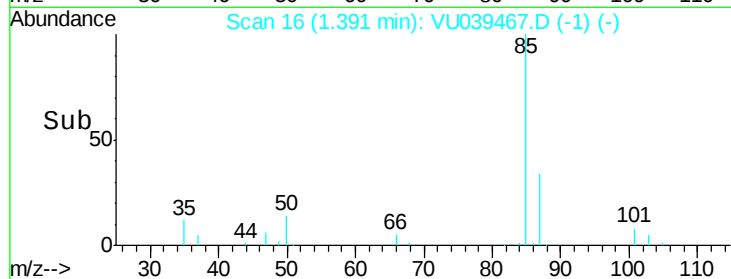
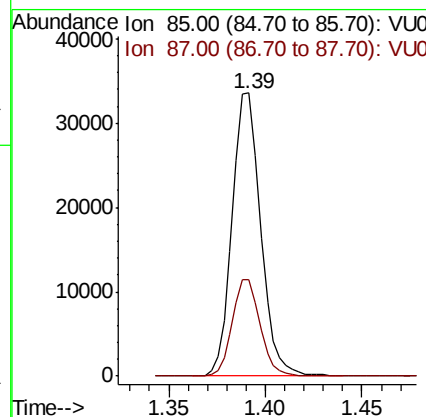
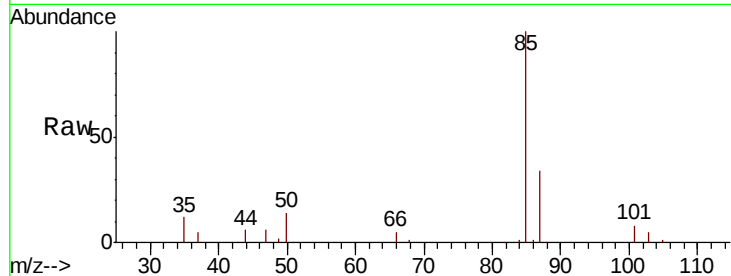
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.985 ug/L
 RT: 1.39 min Scan# 16
 Delta R.T. 0.00 min
 Lab File: VU039467.D
 Acq: 13 Jul 2020 13:11

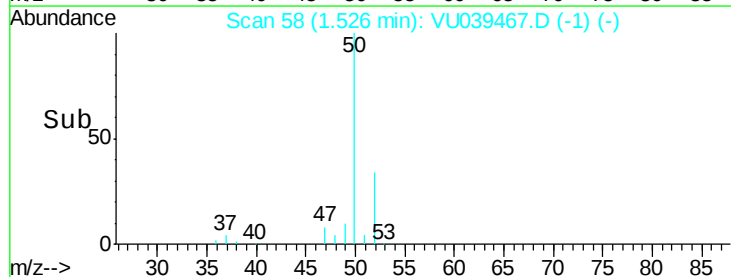
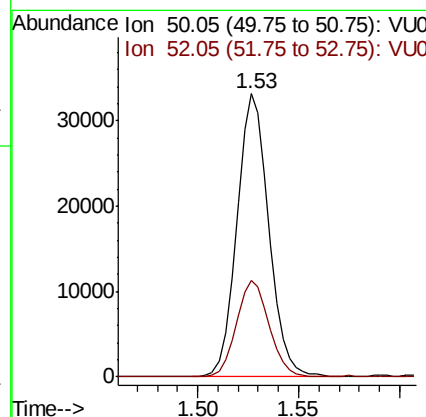
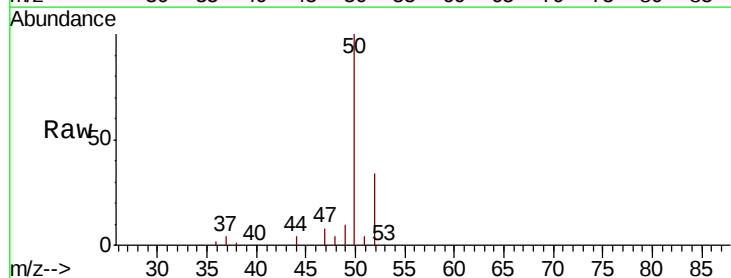
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB30

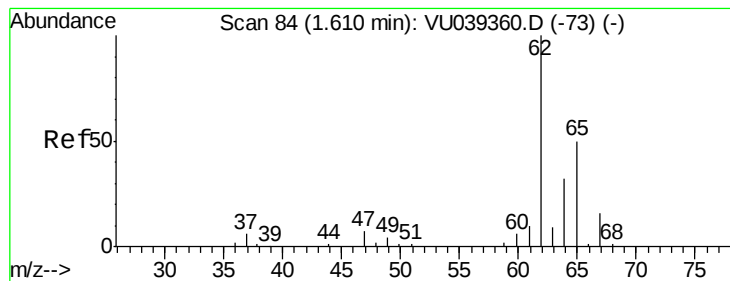
Tot Ion: 85 Resp: 34307
 Ion Ratio Lower Upper
 85 100
 87 33.1 25.2 37.8



#3
 Chloromethane
 Concen: 4.400 ug/L
 RT: 1.53 min Scan# 58
 Delta R.T. -0.00 min
 Lab File: VU039467.D
 Acq: 13 Jul 2020 13:11

Tgt Ion: 50 Resp: 36689
 Ion Ratio Lower Upper
 50 100
 52 34.0 23.0 42.8





#5

Vinyl chloride

Concen: 4.379 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039467.D

Acq: 13 Jul 2020 13:11

Instrument :

MSVOA_U

ClientSampleId :

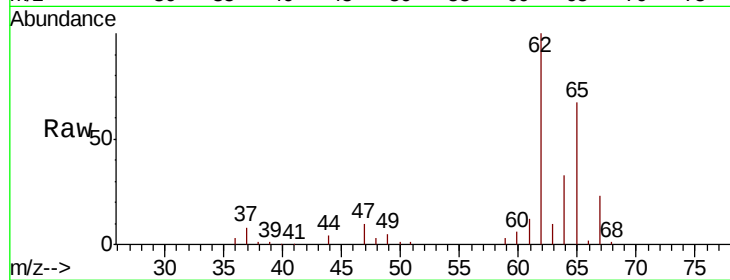
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Tot Ion: 62 Resp: 40547

Ion Ratio Lower Upper

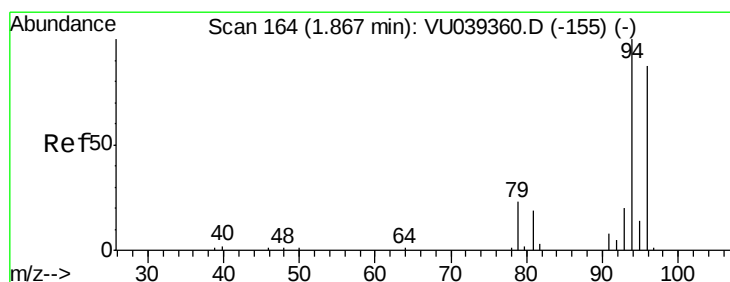
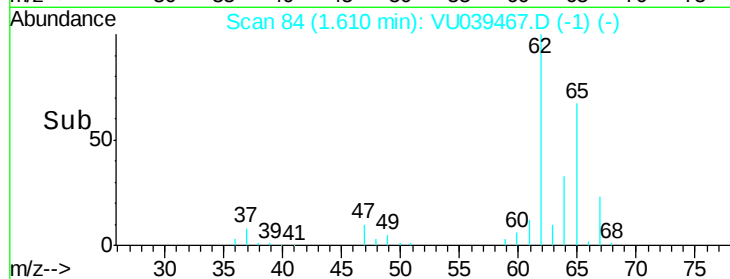
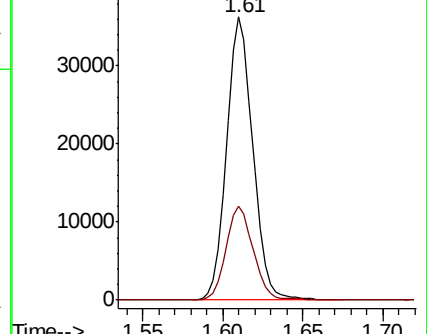
62 100

64 33.3 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.714 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU039467.D

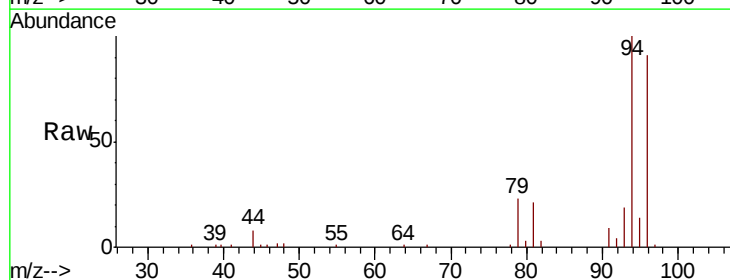
Acq: 13 Jul 2020 13:11

Tgt Ion: 94 Resp: 22784

Ion Ratio Lower Upper

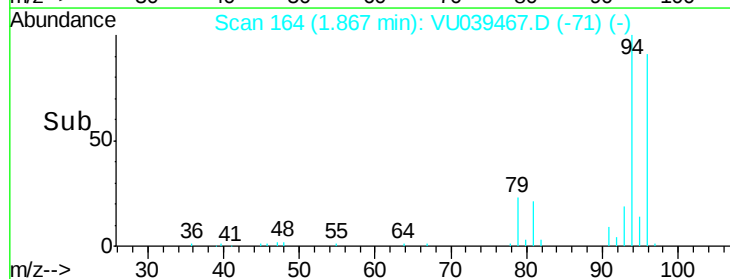
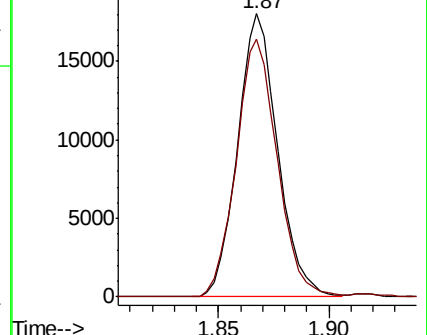
94 100

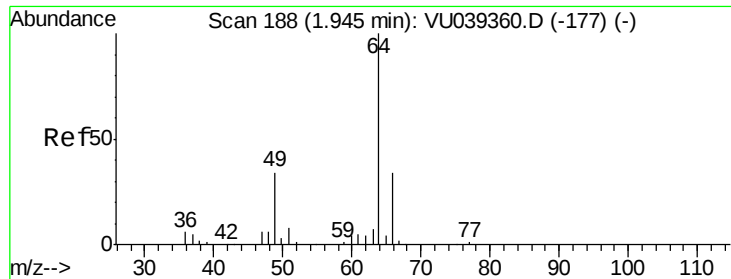
96 91.1 62.7 116.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

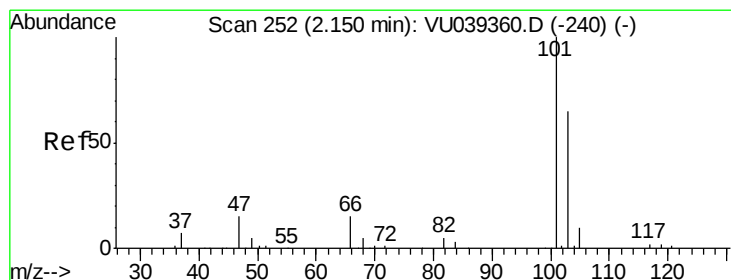
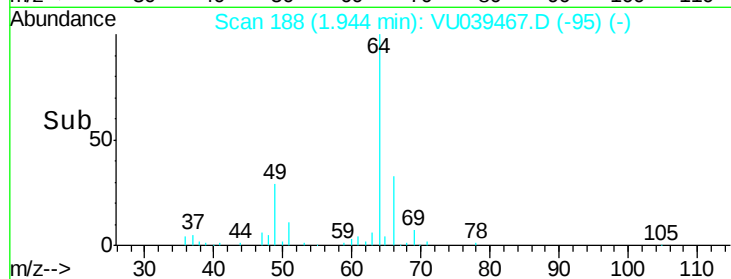
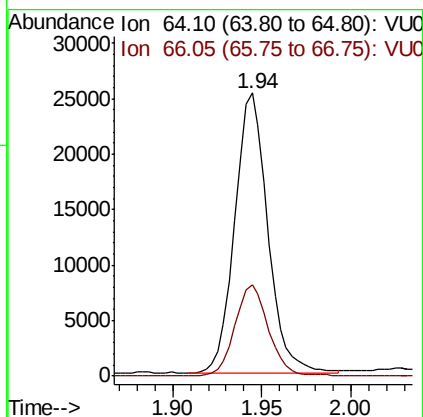
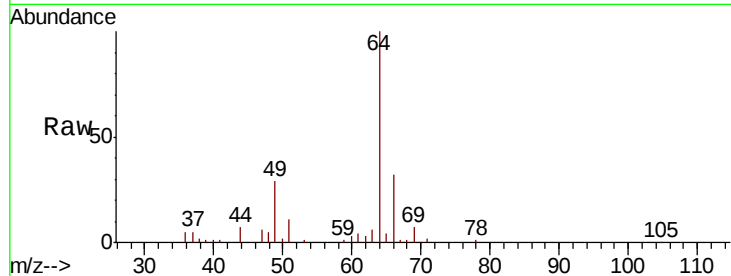




#8
Chloroethane
Concen: 4.882 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU039467.D
Acq: 13 Jul 2020 13:11

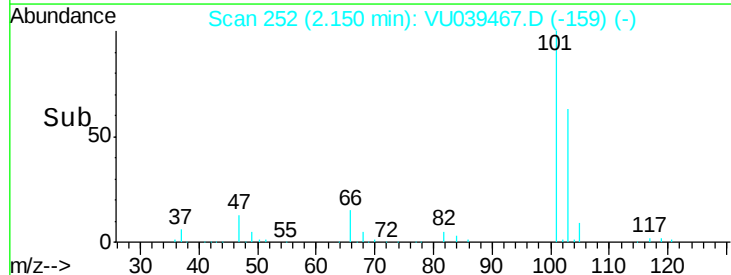
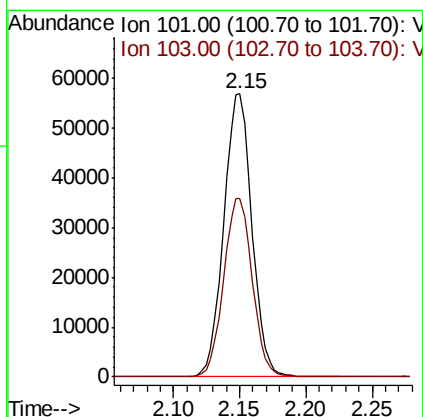
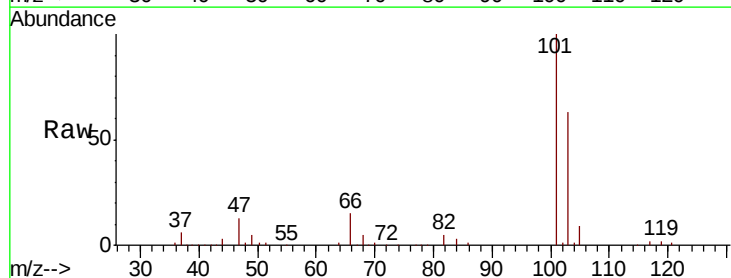
Instrument :
MSVOA_U
ClientSampleId :
BFB30

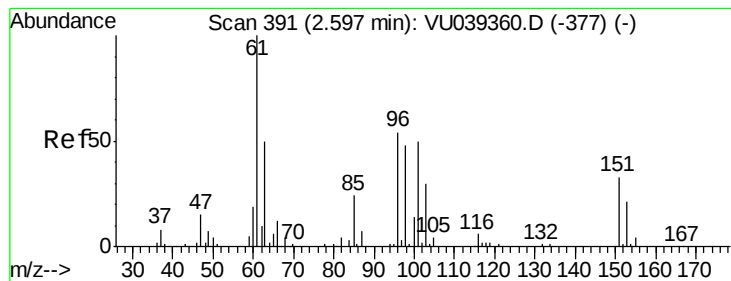
Tot Ion: 64 Resp: 32657
Ion Ratio Lower Upper
64 100
66 32.3 23.5 43.7



#9
Trichlorofluoromethane
Concen: 5.205 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU039467.D
Acq: 13 Jul 2020 13:11

Tgt Ion:101 Resp: 83681
Ion Ratio Lower Upper
101 100
103 64.1 50.6 76.0





#10

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

Concen: 4.933 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039467.D

Acq: 13 Jul 2020 13:11

Instrument :

MSVOA_U

ClientSampled :

BFB30

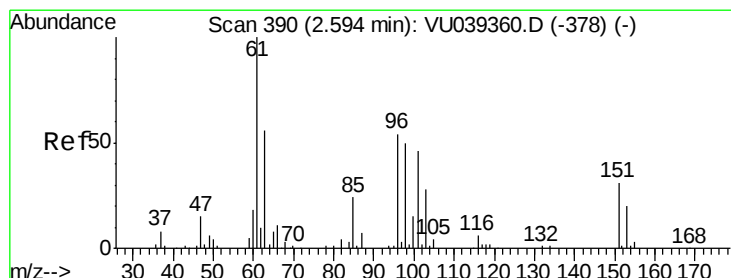
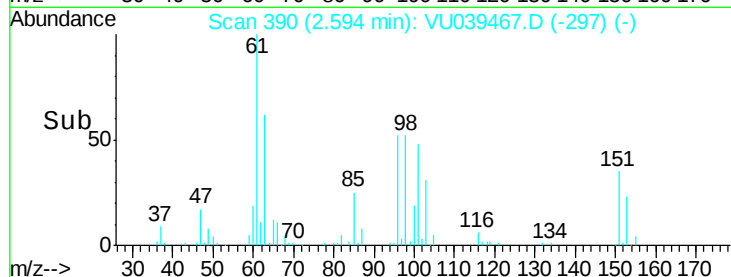
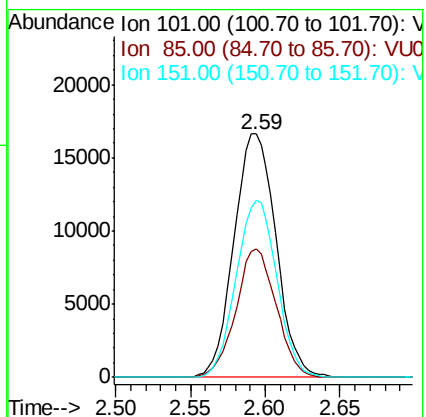
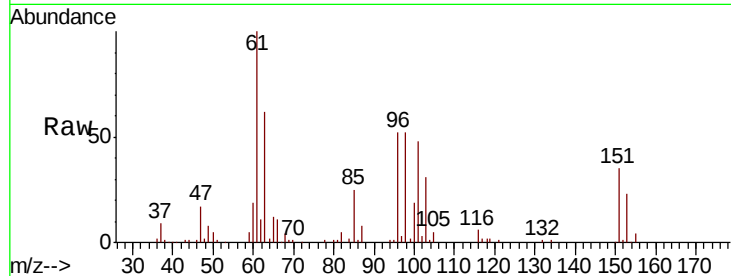
Tot Ion:101 Resp: 32545

Ion Ratio Lower Upper

101 100

85 50.6 38.9 58.3

151 70.4 57.0 85.4



#12

1,1-Dichloroethene

Concen: 4.425 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039467.D

Acq: 13 Jul 2020 13:11

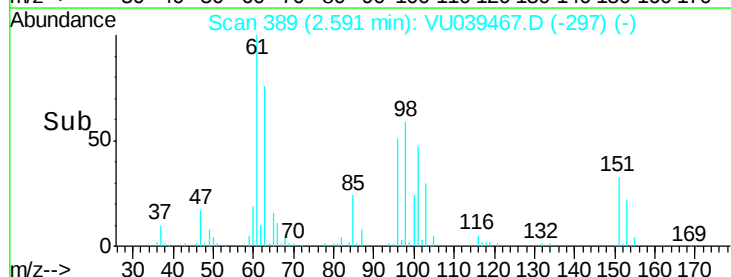
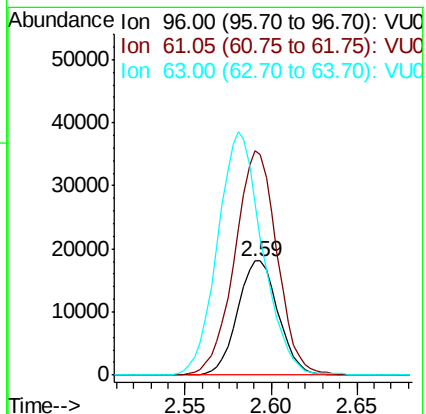
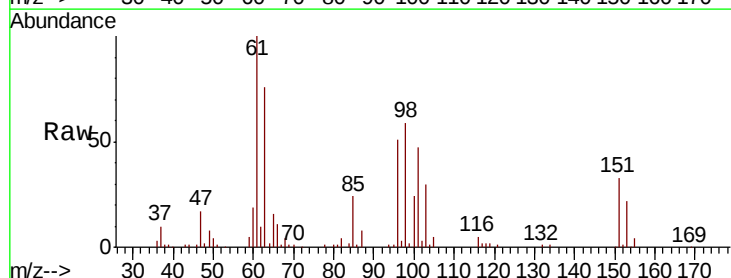
Tgt Ion: 96 Resp: 29884

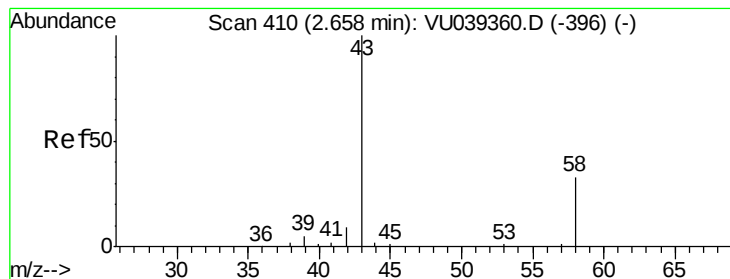
Ion Ratio Lower Upper

96 100

61 196.9 125.4 232.8

63 150.6 92.7 172.3





#13

Acetone

Concen: 46.729 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.01 min

Lab File: VU039467.D

Acq: 13 Jul 2020 13:11

Instrument :

MSVOA_U

ClientSampleId :

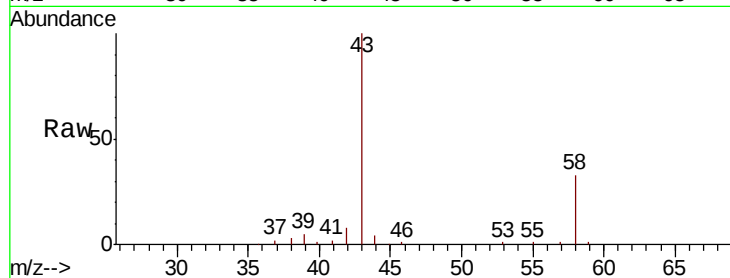
BFB30

Tot Ion: 43 Resp: 75950

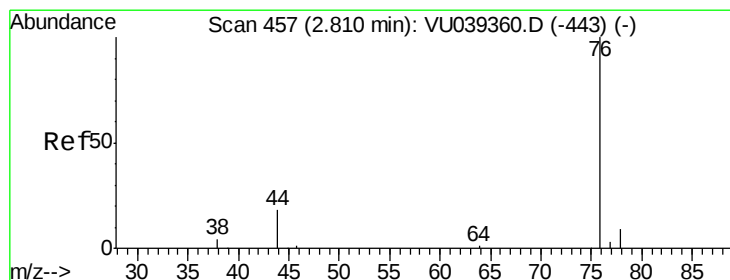
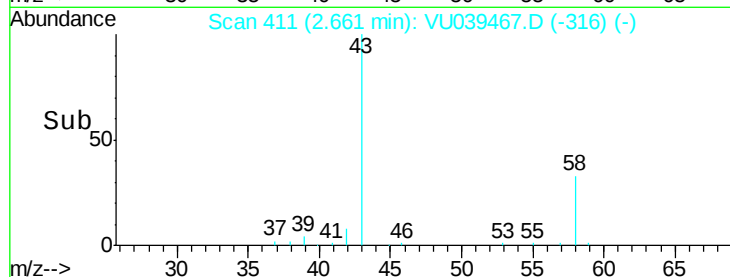
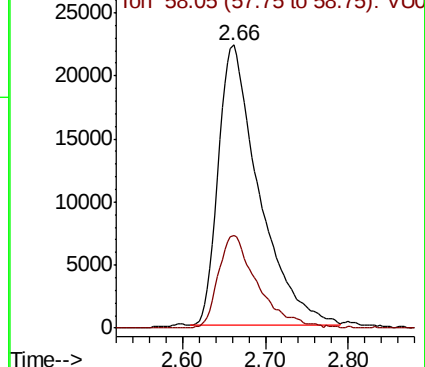
Ion Ratio Lower Upper

43 100

58 31.7 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039467.D (-316) (-)



#14

Carbon disulfide

Concen: 4.165 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039467.D

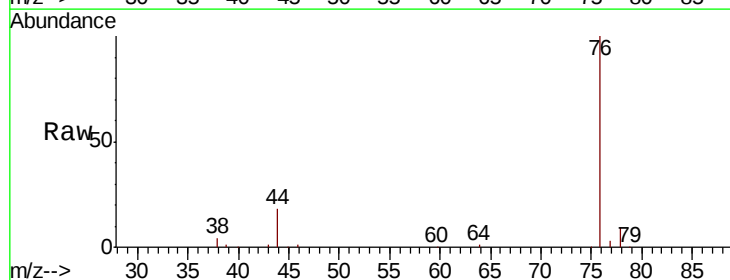
Acq: 13 Jul 2020 13:11

Tgt Ion: 76 Resp: 99093

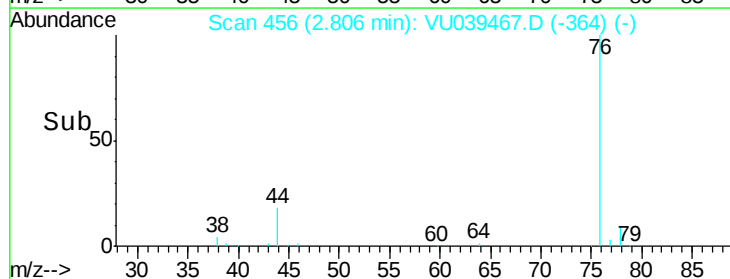
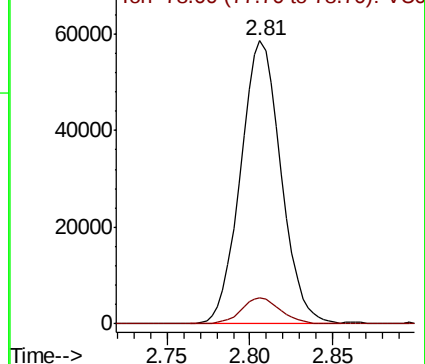
Ion Ratio Lower Upper

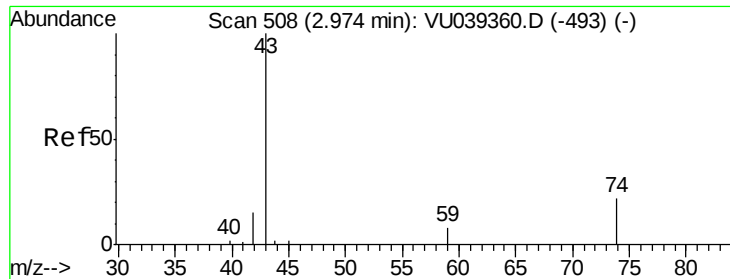
76 100

78 9.4 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VU039467.D (-364) (-)

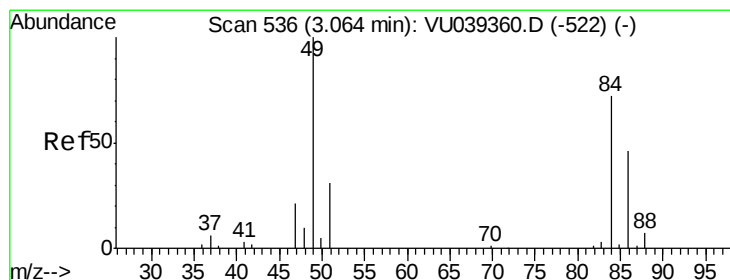
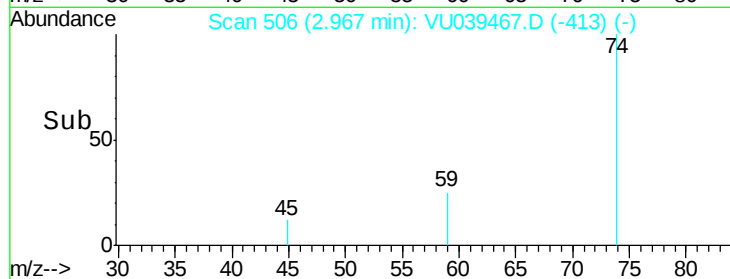
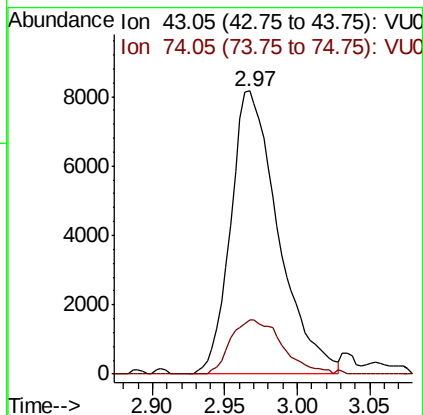
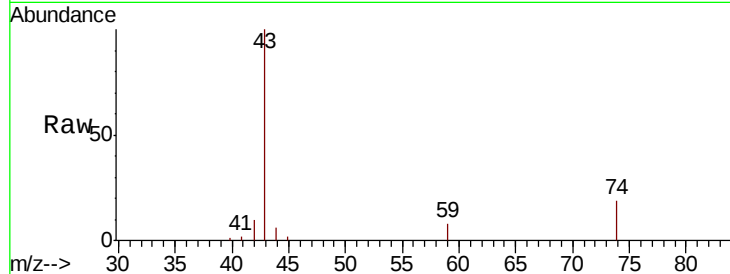




#15
Methvl Acetate
Concen: 4.350 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.00 min
Lab File: VU039467.D
Acq: 13 Jul 2020 13:11

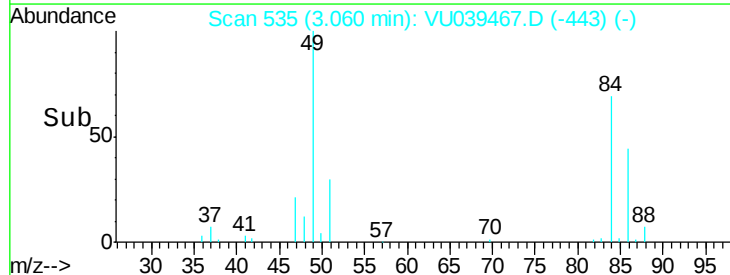
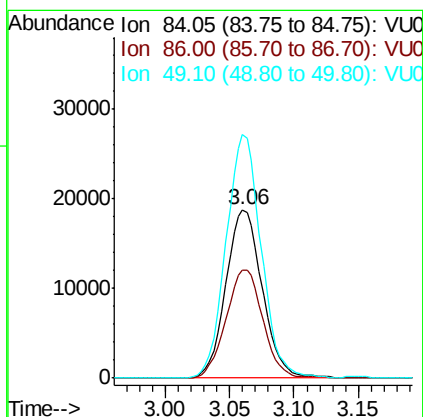
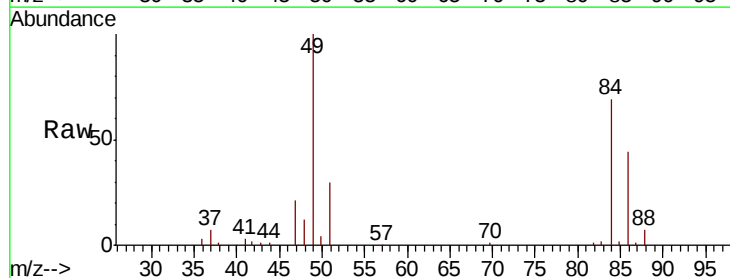
Instrument :
MSVOA_U
ClientSampleId :
BFB30

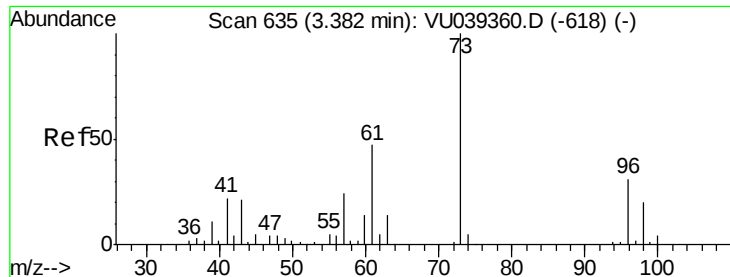
Tot Ion: 43 Resp: 18674
Ion Ratio Lower Upper
43 100
74 20.7 18.7 28.1



#16
Methylene chloride
Concen: 4.336 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039467.D
Acq: 13 Jul 2020 13:11

Tgt Ion: 84 Resp: 36829
Ion Ratio Lower Upper
84 100
86 64.0 43.5 80.9
49 144.3 91.1 169.1

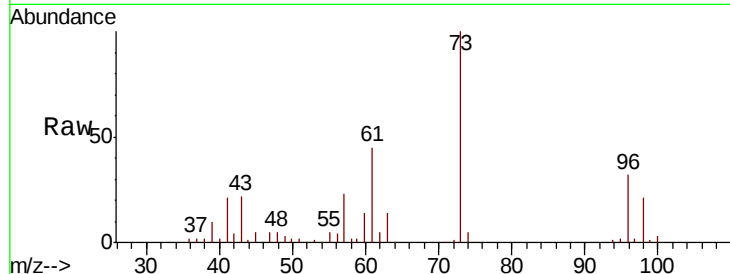




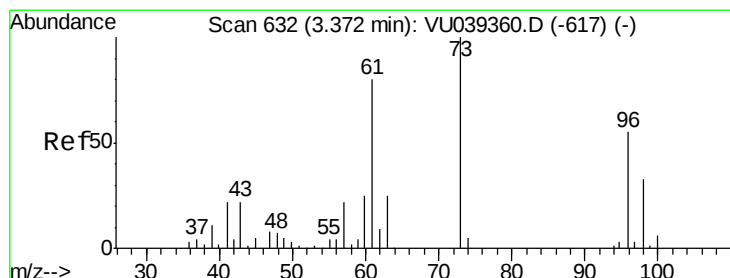
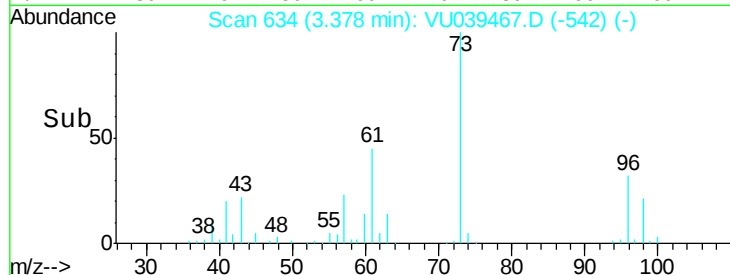
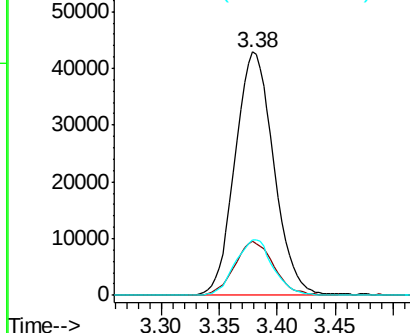
#17
Methvl tert-butvl Ether
Concen: 4.686 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU039467.D
Acq: 13 Jul 2020 13:11

Instrument :
MSVOA_U
ClientSampleId :
BFB30

Tot Ion: 73 Resp: 99711
Ion Ratio Lower Upper
73 100
43 22.4 18.6 28.0
57 22.4 17.9 26.9

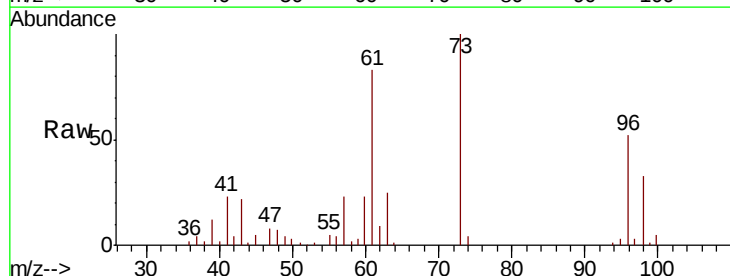


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

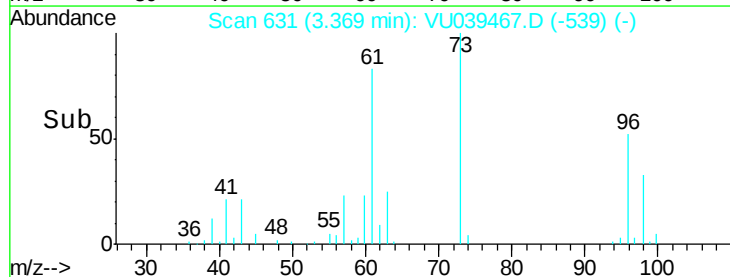
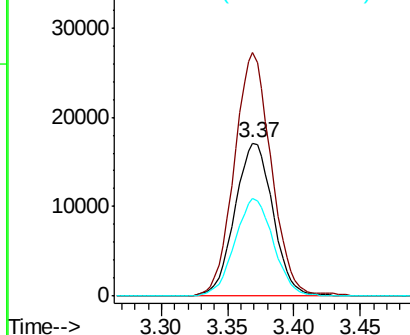


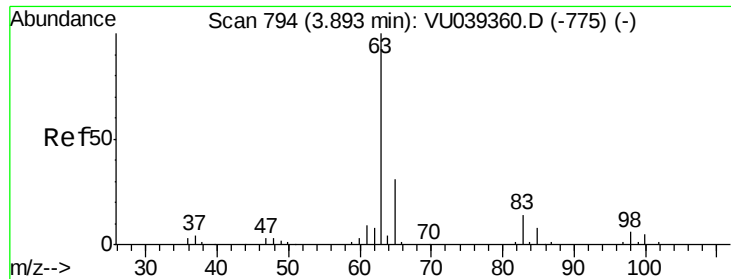
#18
trans-1,2-Dichloroethene
Concen: 4.578 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU039467.D
Acq: 13 Jul 2020 13:11

Tgt Ion: 96 Resp: 34221
Ion Ratio Lower Upper
96 100
61 159.4 102.1 189.5
98 64.1 42.5 78.9



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

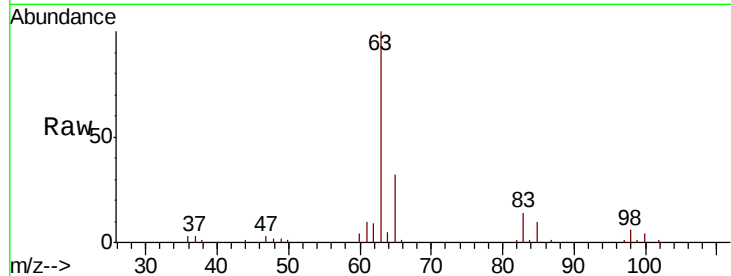




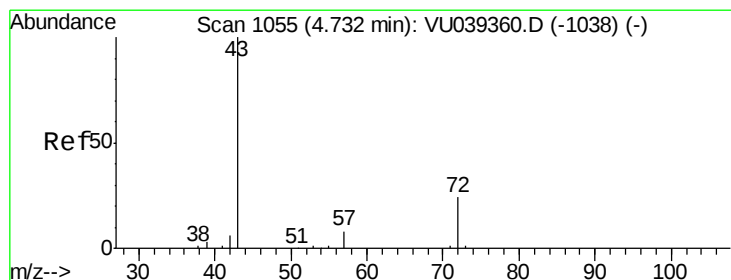
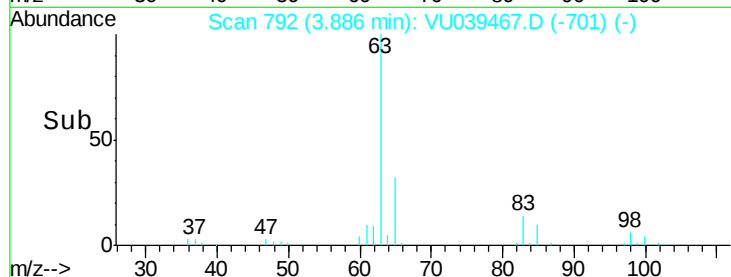
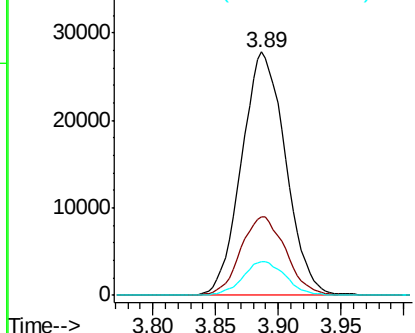
#19
 1,1-Dichloroethane
 Concen: 4.644 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: VU039467.D
 Acq: 13 Jul 2020 13:11

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB30

Tot Ion: 63 Resp: 67929
 Ion Ratio Lower Upper
 63 100
 65 33.1 23.0 42.6
 83 13.8 9.6 17.8

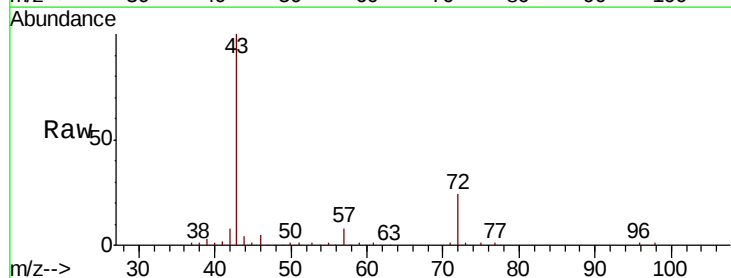


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

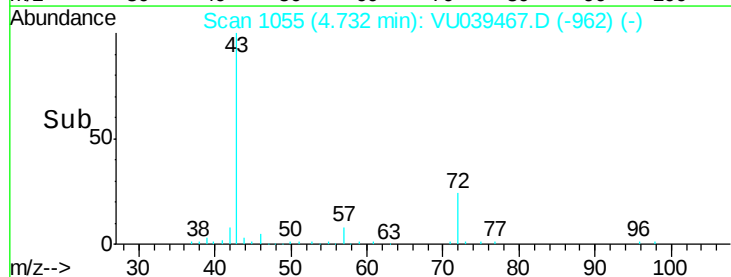
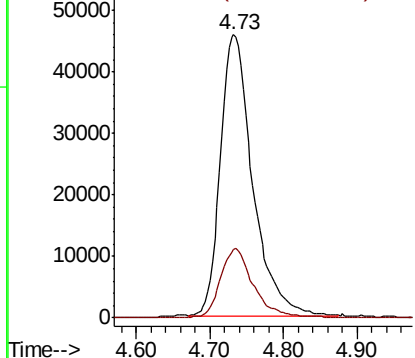


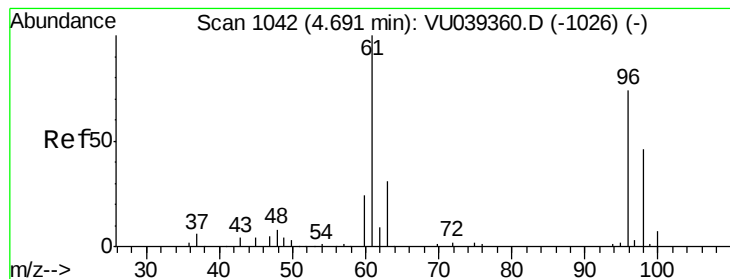
#21
 2-Butanone
 Concen: 47.792 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VU039467.D
 Acq: 13 Jul 2020 13:11

Tgt Ion: 43 Resp: 138645
 Ion Ratio Lower Upper
 43 100
 72 25.5 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: 4.744 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU039467.D

Acq: 13 Jul 2020 13:11

Instrument :

MSVOA_U

ClientSampleId :

BFB30

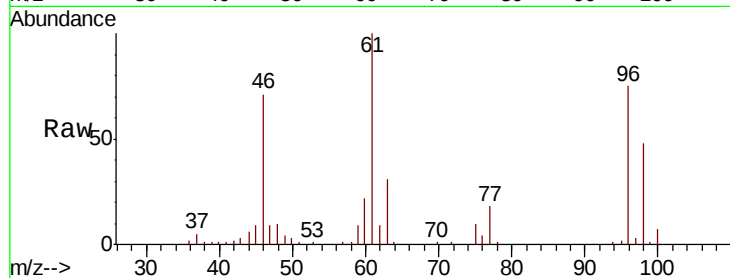
Tot Ion: 96 Resp: 39771

Ion Ratio Lower Upper

96 100

61 133.1 92.8 172.4

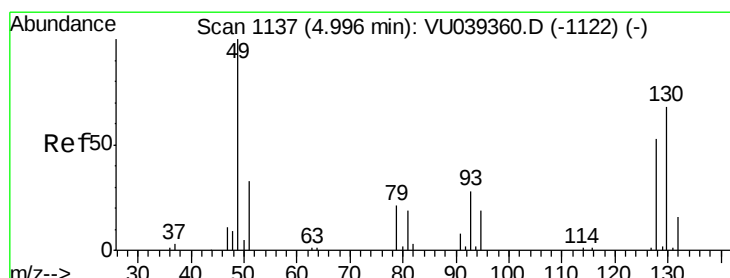
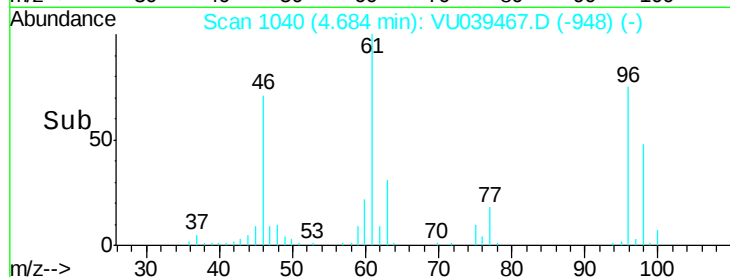
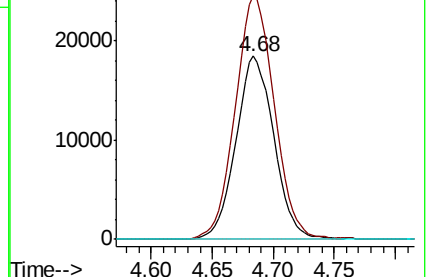
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039467.D (-1044) (-)

Ion 61.05 (60.75 to 61.75): VU039467.D (-1044) (-)

Ion 68.15 (67.85 to 68.85): VU039467.D (-1044) (-)



#23

Bromochloromethane

Concen: 4.784 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU039467.D

Acq: 13 Jul 2020 13:11

Tgt Ion: 128 Resp: 18217

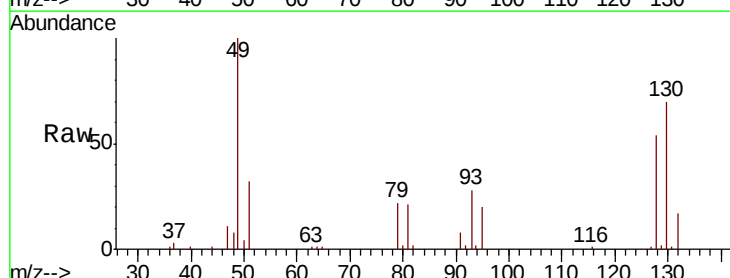
Ion Ratio Lower Upper

128 100

49 185.2 128.5 238.7

130 130.6 91.5 169.9

51 59.0 47.0 70.6

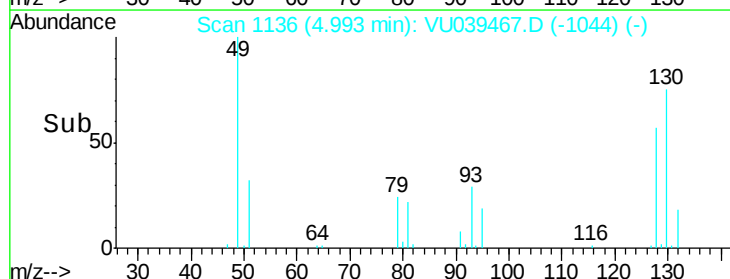
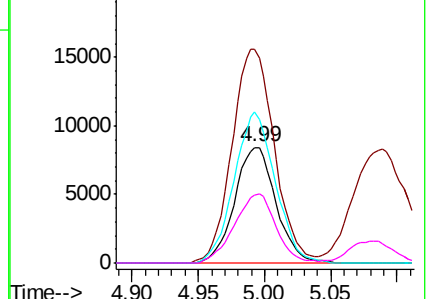


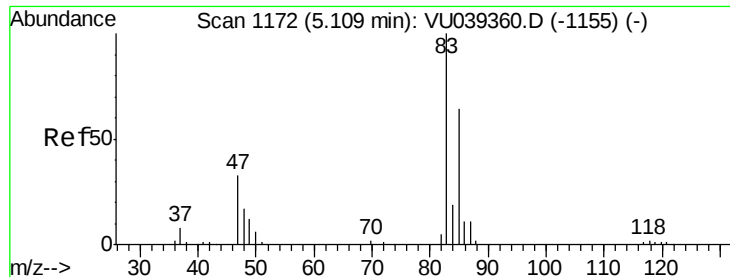
Abundance Ion 127.90 (127.60 to 128.60): VU039467.D (-1044) (-)

Ion 49.10 (48.80 to 49.80): VU039467.D (-1044) (-)

Ion 129.95 (129.65 to 130.65): VU039467.D (-1044) (-)

Ion 51.05 (50.75 to 51.75): VU039467.D (-1044) (-)

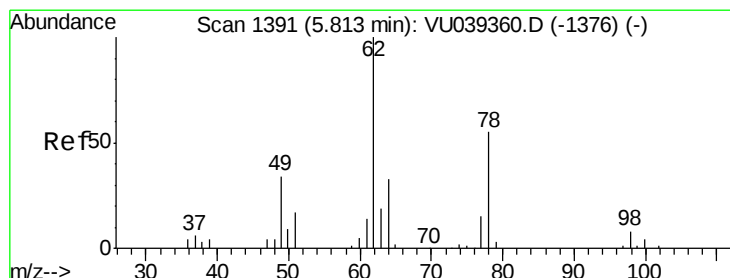
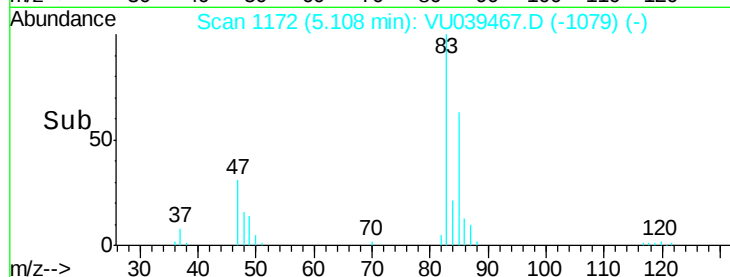
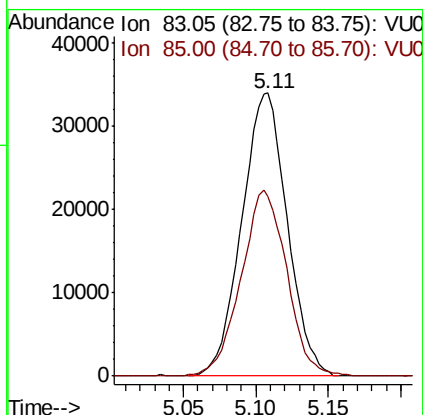
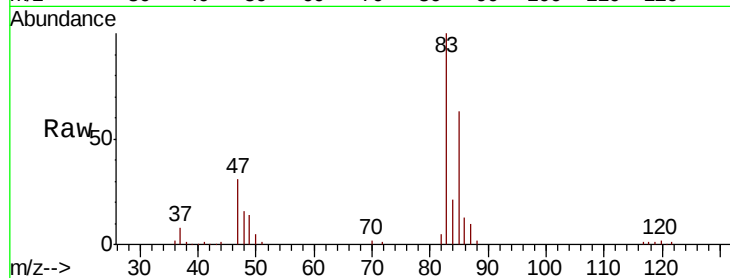




#25
Chloroform
Concen: 5.021 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039467.D
Acq: 13 Jul 2020 13:11

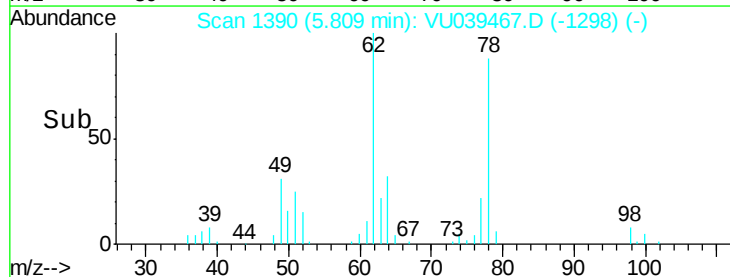
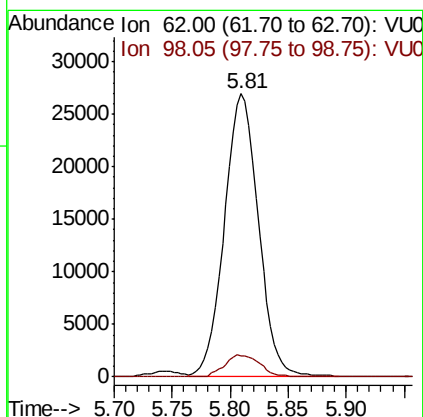
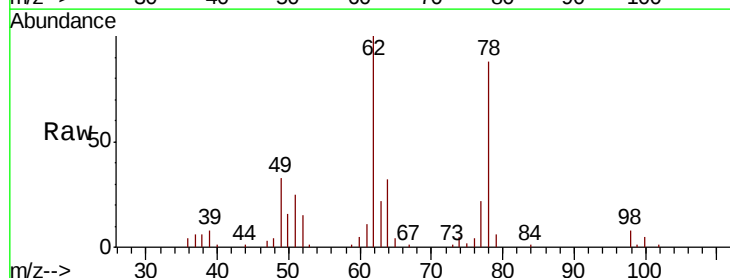
Instrument :
MSVOA_U
ClientSampleId :
BFB30

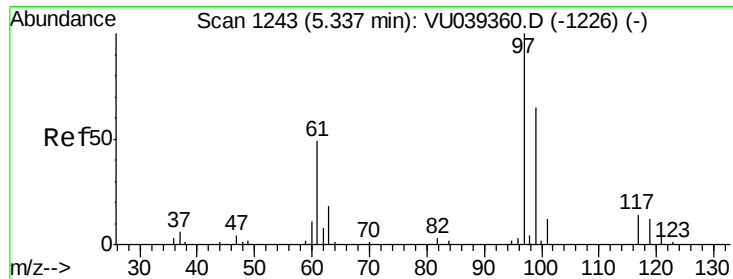
Tot Ion: 83 Resp: 74163
Ion Ratio Lower Upper
83 100
85 63.4 44.9 83.5



#27
1,2-Dichloroethane
Concen: 5.160 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU039467.D
Acq: 13 Jul 2020 13:11

Tgt Ion: 62 Resp: 55135
Ion Ratio Lower Upper
62 100
98 7.6 6.3 9.5

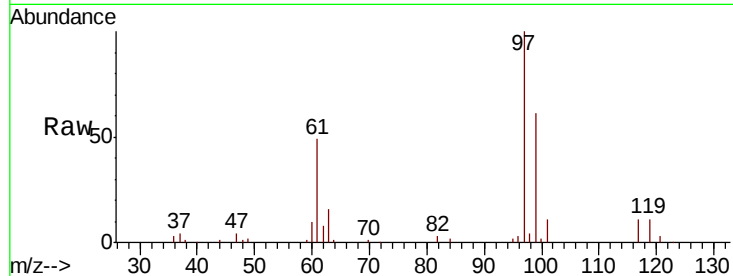




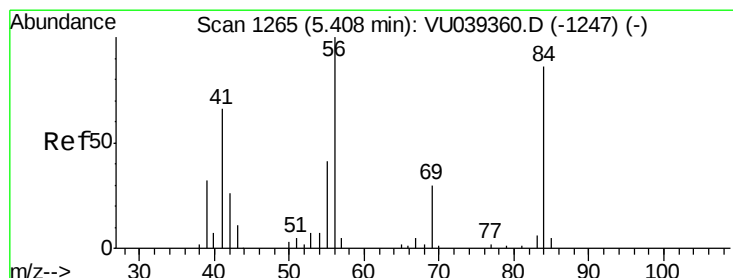
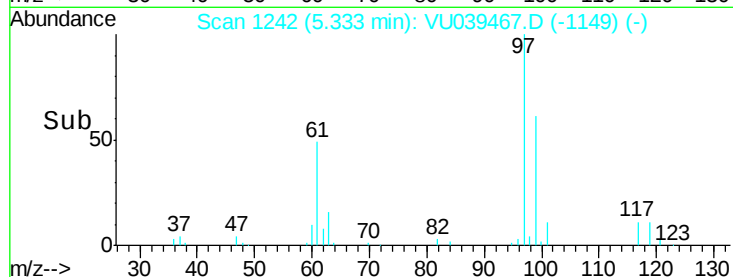
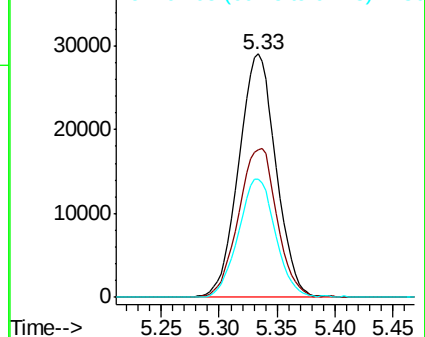
#29
 1,1,1-Trichloroethane
 Concen: 4.995 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU039467.D
 Acq: 13 Jul 2020 13:11

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB30

Tot Ion: 97 Resp: 64736
 Ion Ratio Lower Upper
 97 100
 99 63.2 52.6 79.0
 61 48.3 37.9 56.9

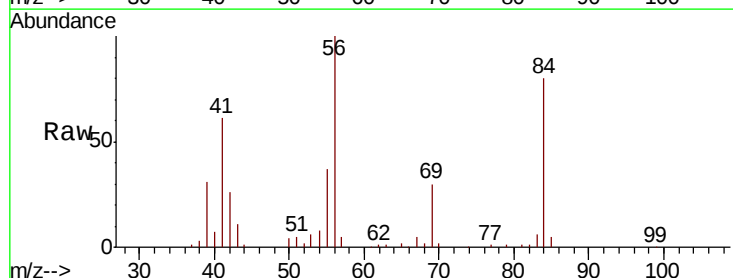


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

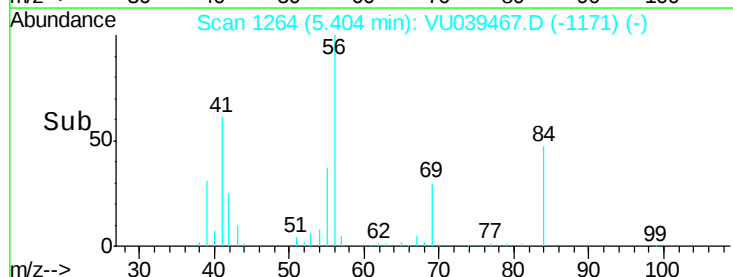
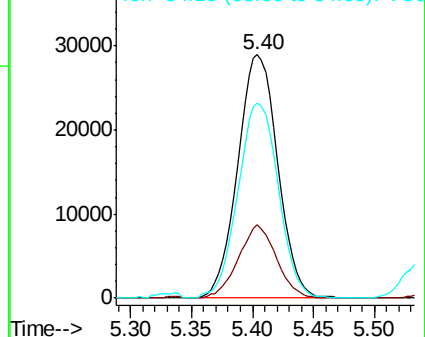


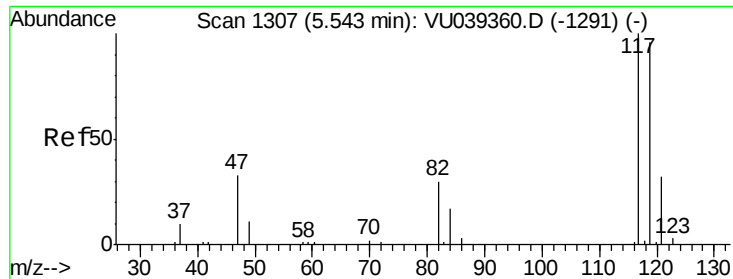
#30
 Cyclohexane
 Concen: 4.807 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU039467.D
 Acq: 13 Jul 2020 13:11

Tgt Ion: 56 Resp: 65588
 Ion Ratio Lower Upper
 56 100
 69 28.5 24.1 36.1
 84 81.0 67.0 100.6



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.928 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU039467.D

Acq: 13 Jul 2020 13:11

Instrument :

MSVOA_U

ClientSampled :

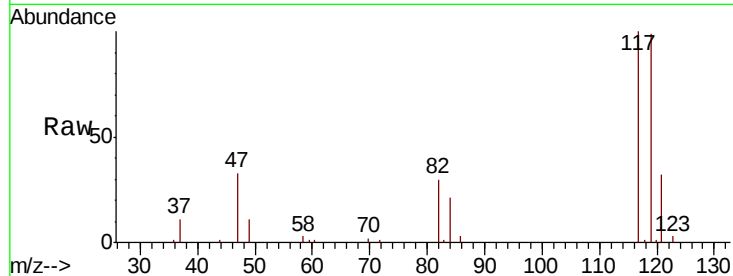
BFB30

Tot Ion:117 Resp: 54488

Ion Ratio Lower Upper

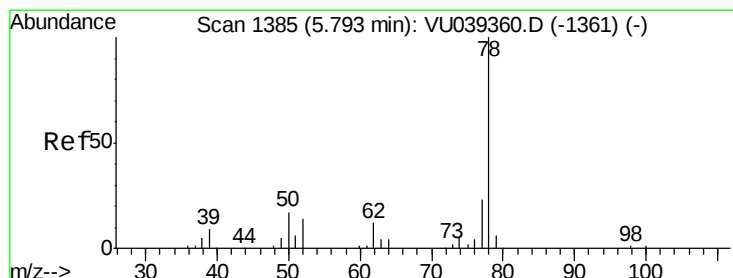
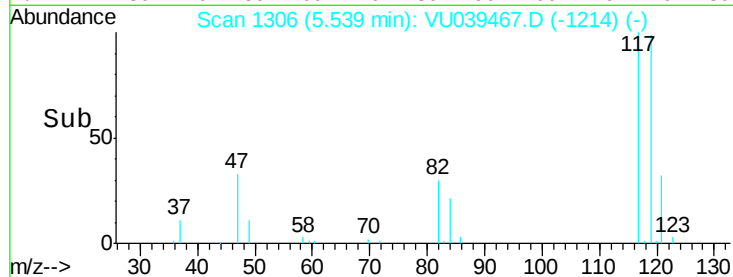
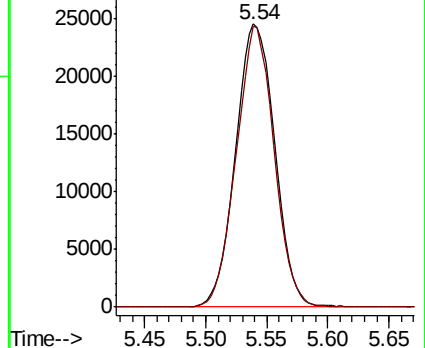
117 100

119 95.6 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: 4.744 ug/L

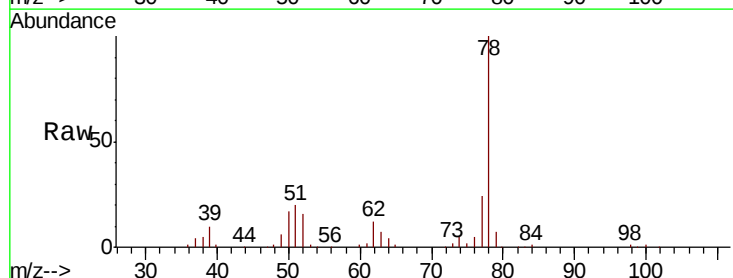
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

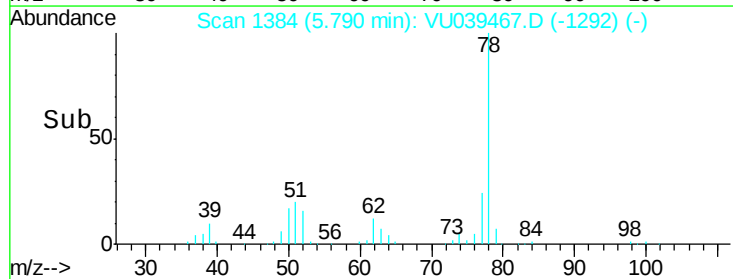
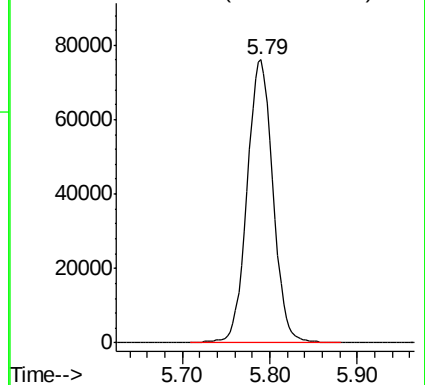
Lab File: VU039467.D

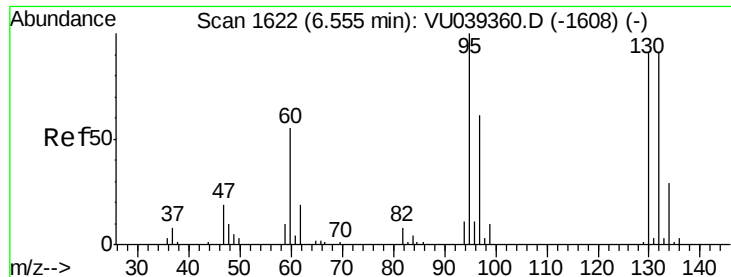
Acq: 13 Jul 2020 13:11

Tgt Ion: 78 Resp: 156078



Abundance Ion 78.10 (77.80 to 78.80): VU0

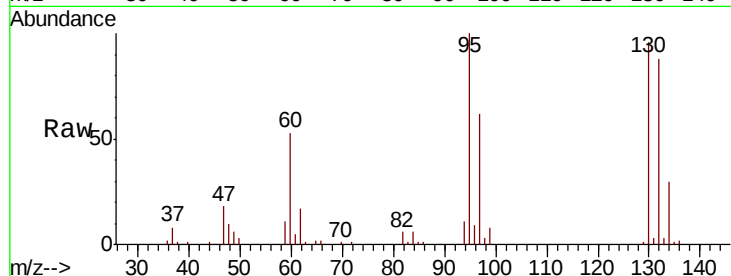




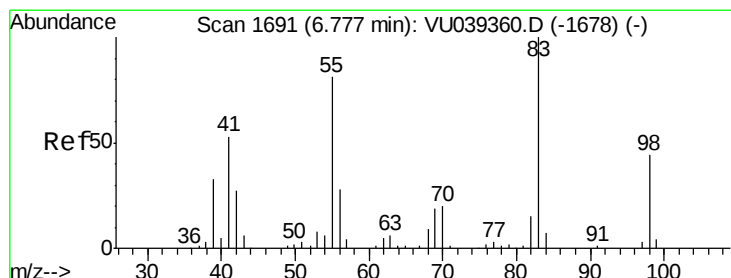
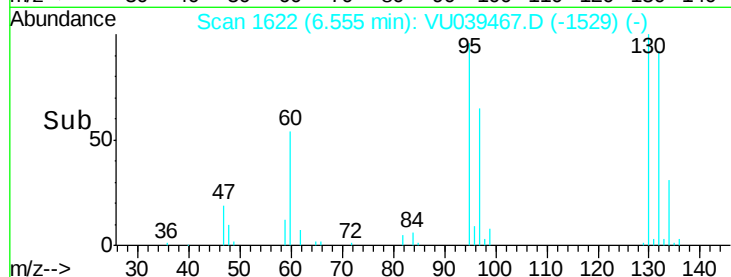
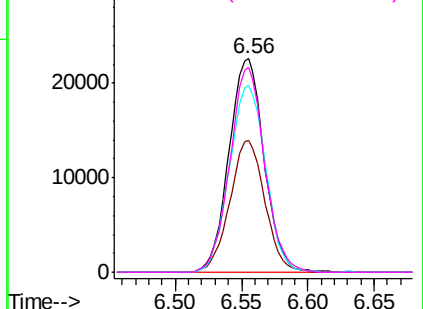
#34
 Trichloroethene
 Concen: 4.900 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. -0.00 min
 Lab File: VU039467.D
 Acq: 13 Jul 2020 13:11

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB30

Tot Ion: 95 Resp: 41675
 Ion Ratio Lower Upper
 95 100
 97 61.7 46.3 85.9
 132 87.6 64.0 118.8
 130 95.6 64.3 119.5

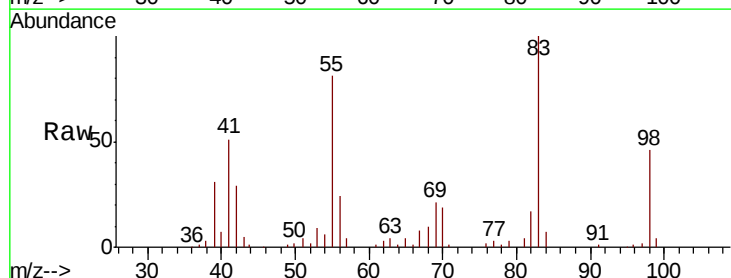


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

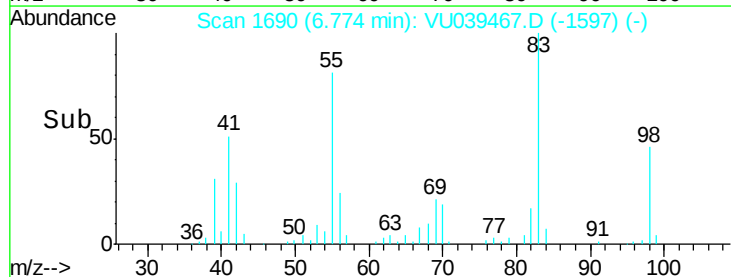
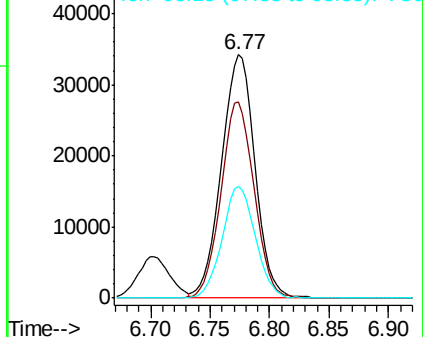


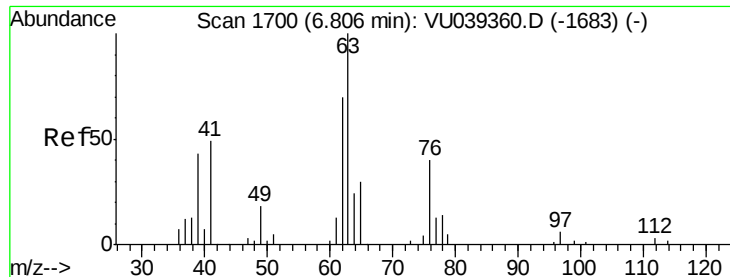
#35
 Methylcyclohexane
 Concen: 4.914 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU039467.D
 Acq: 13 Jul 2020 13:11

Tgt Ion: 83 Resp: 66958
 Ion Ratio Lower Upper
 83 100
 55 79.4 62.1 93.1
 98 45.3 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

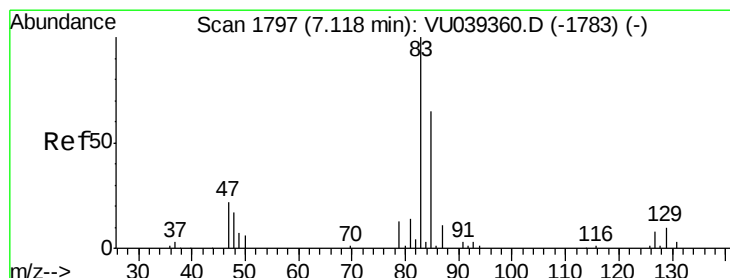
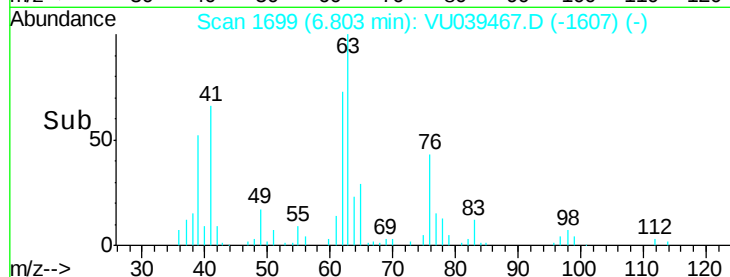
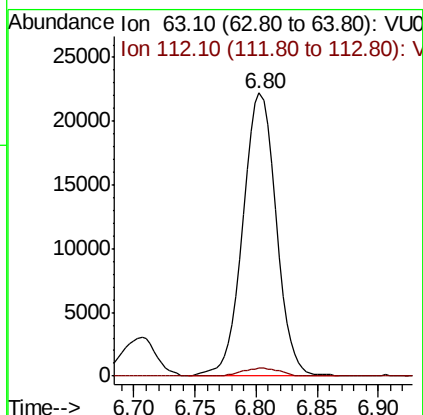
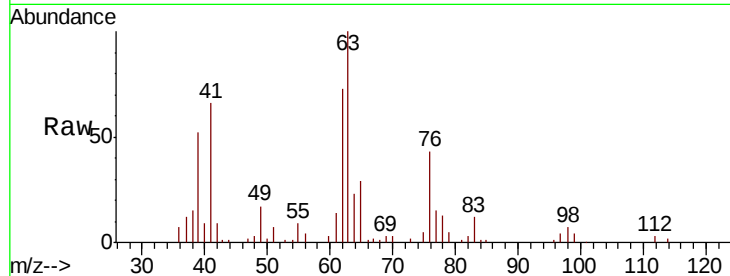




#37
 1,2-Dichloropropane
 Concen: 4.665 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU039467.D
 Acq: 13 Jul 2020 13:11

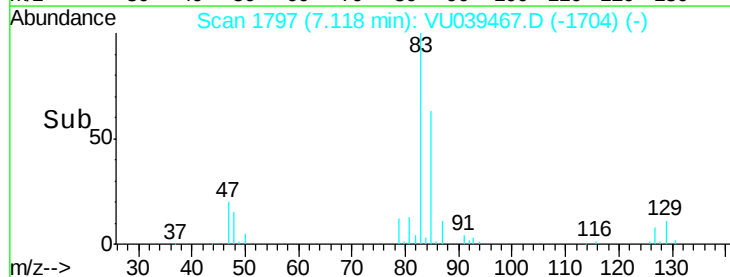
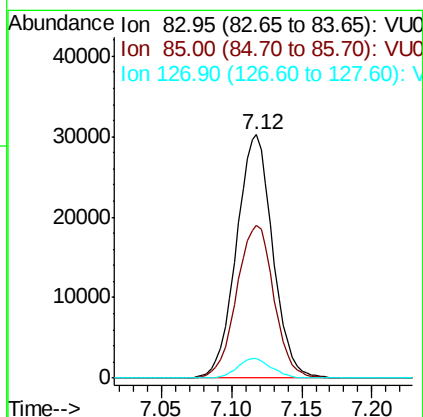
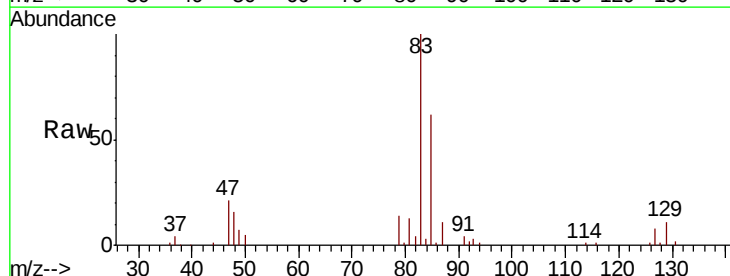
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB30

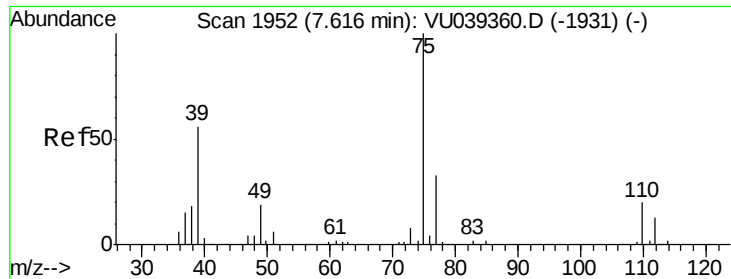
Tot Ion: 63 Resp: 41832
 Ion Ratio Lower Upper
 63 100
 112 3.1 2.5 3.7



#38
 Bromodichloromethane
 Concen: 4.758 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU039467.D
 Acq: 13 Jul 2020 13:11

Tgt Ion: 83 Resp: 54492
 Ion Ratio Lower Upper
 83 100
 85 62.5 44.0 81.6
 127 8.0 6.2 9.4

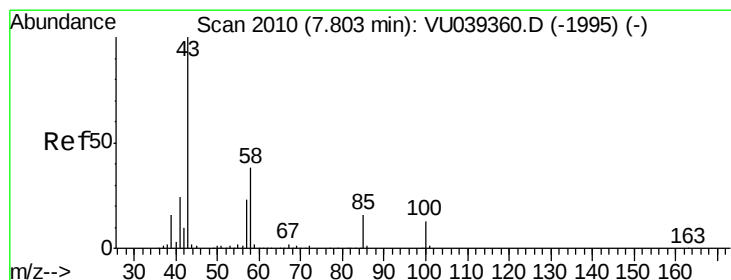
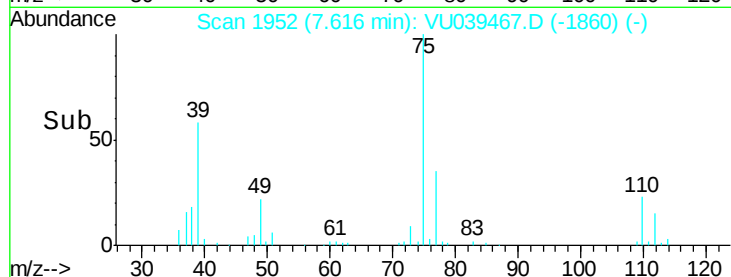
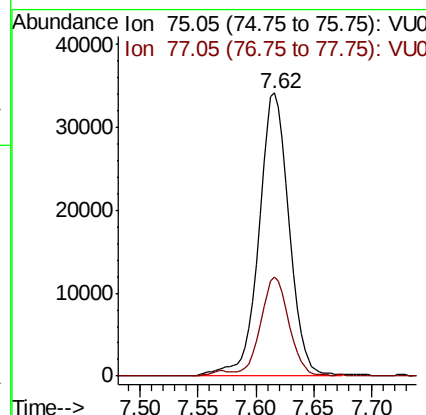
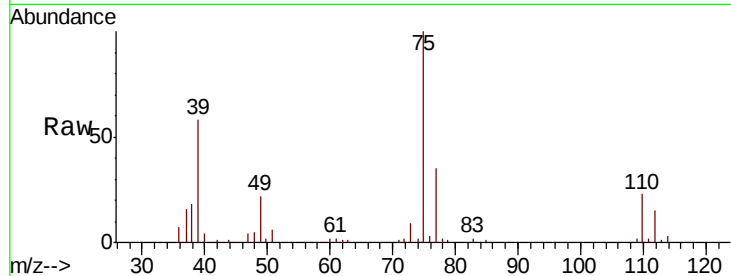




#39
 cis-1,3-Dichloropropene
 Concen: 4.603 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039467.D
 Acq: 13 Jul 2020 13:11

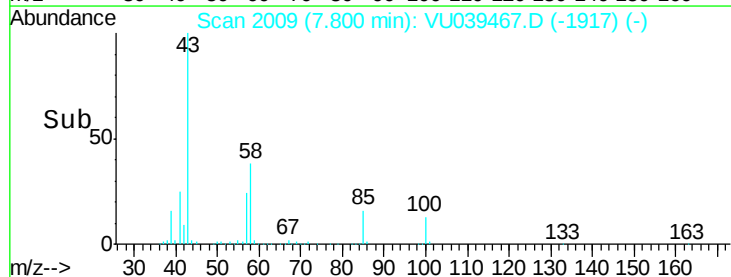
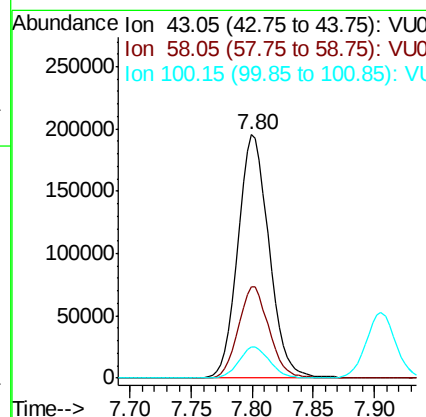
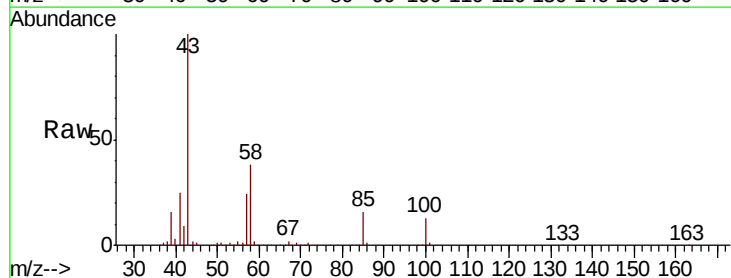
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB30

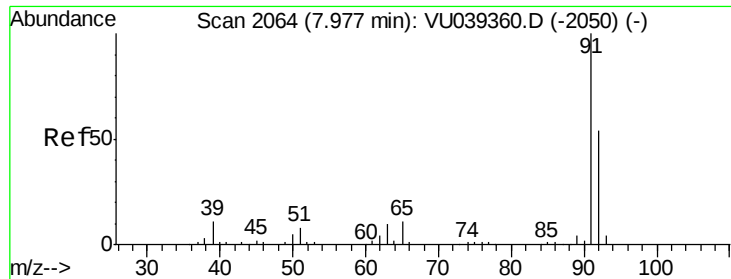
Tot Ion: 75 Resp: 62402
 Ion Ratio Lower Upper
 75 100
 77 34.9 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 46.309 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU039467.D
 Acq: 13 Jul 2020 13:11

Tgt Ion: 43 Resp: 346440
 Ion Ratio Lower Upper
 43 100
 58 37.1 30.5 45.7
 100 12.8 10.3 15.5





#42

Toluene

Concen: 4.802 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039467.D

Acq: 13 Jul 2020 13:11

Instrument :

MSVOA_U

ClientSampleId :

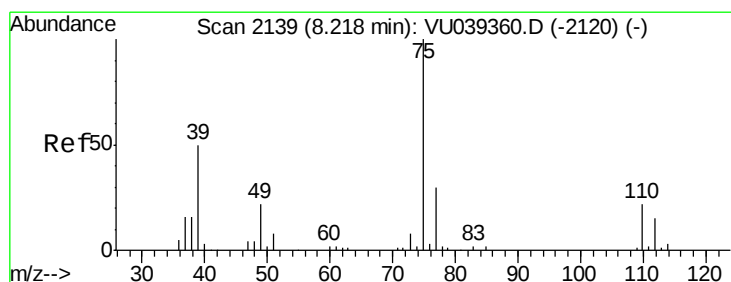
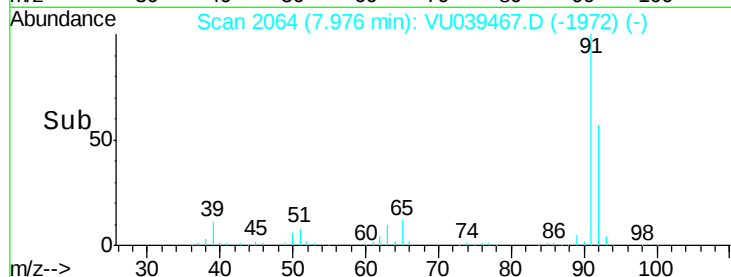
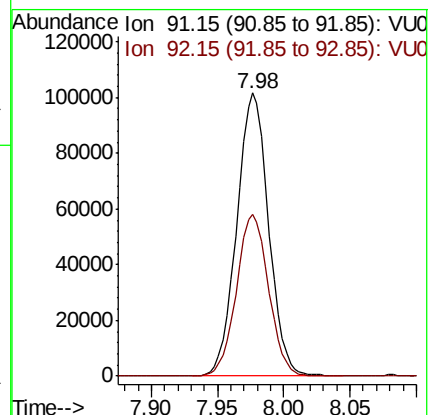
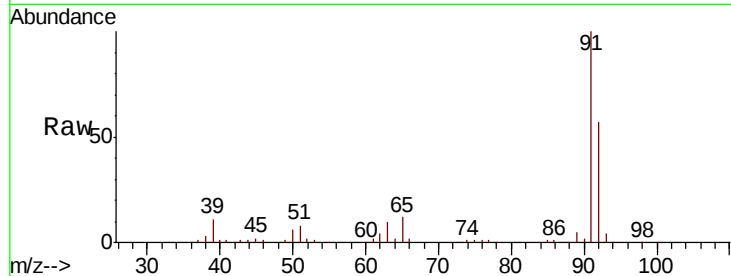
BFB30

Tot Ion: 91 Resp: 169176

Ion Ratio Lower Upper

91 100

92 57.1 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 4.835 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039467.D

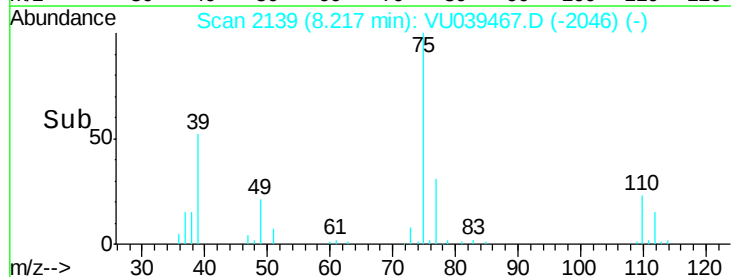
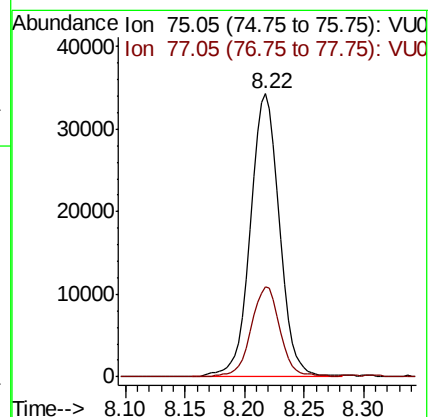
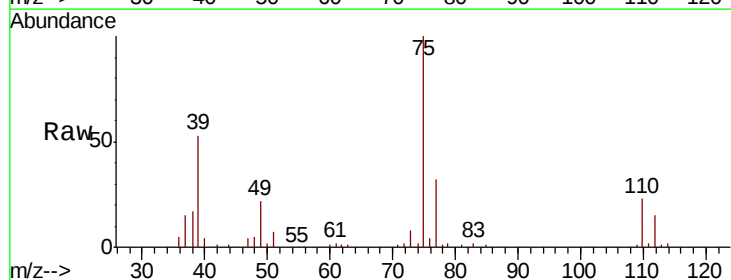
Acq: 13 Jul 2020 13:11

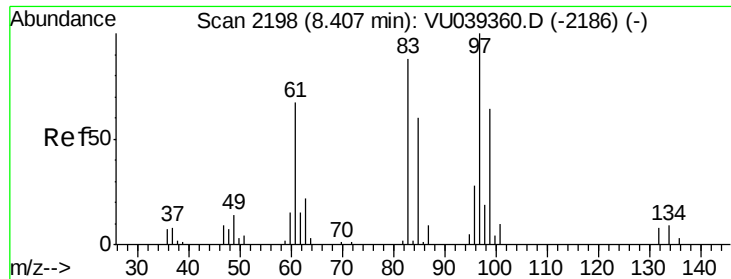
Tgt Ion: 75 Resp: 58150

Ion Ratio Lower Upper

75 100

77 31.7 23.7 43.9

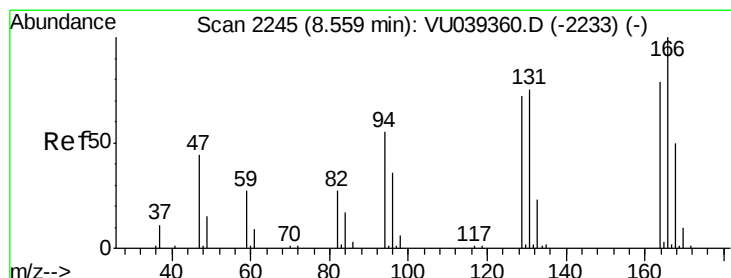
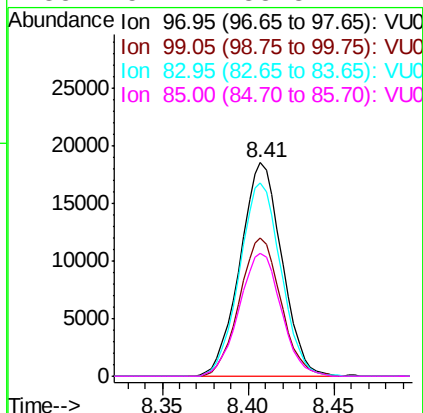
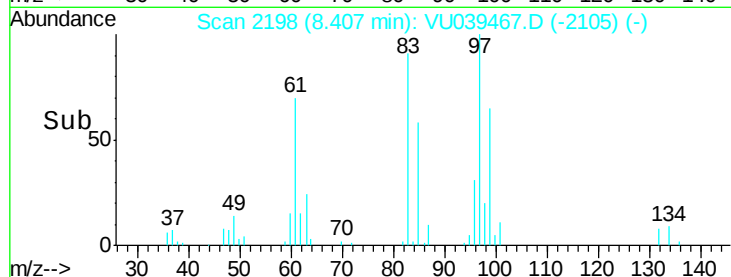
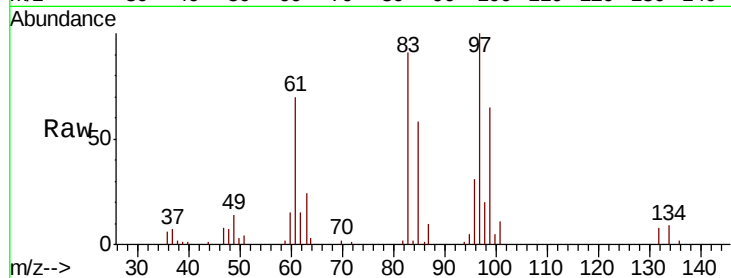




#45
1,1,2-Trichloroethane
Concen: 4.877 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VU039467.D
Acq: 13 Jul 2020 13:11

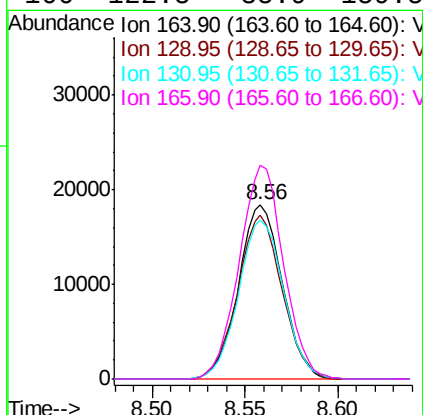
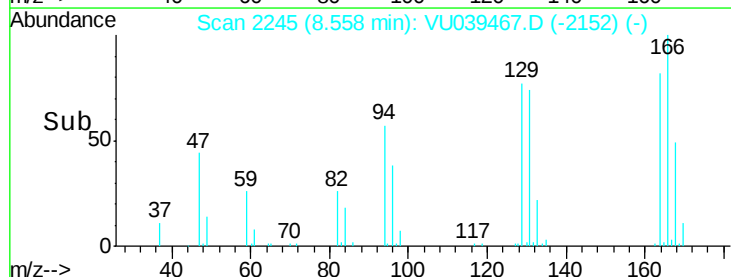
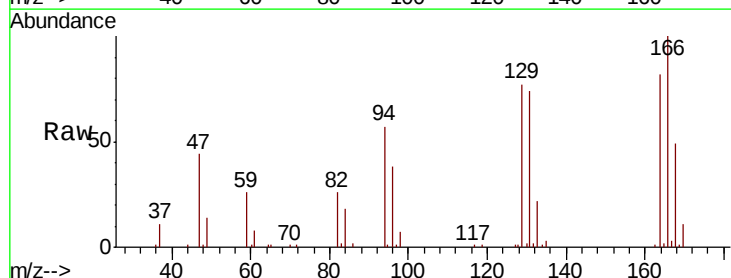
Instrument :
MSVOA_U
ClientSampleId :
BFB30

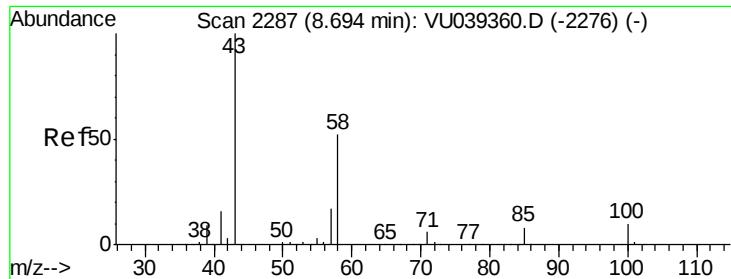
Tot Ion: 97 Resp: 31415
Ion Ratio Lower Upper
97 100
99 64.8 40.7 75.7
83 90.7 60.6 112.6
85 57.7 38.3 71.1



#47
Tetrachloroethene
Concen: 5.099 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU039467.D
Acq: 13 Jul 2020 13:11

Tgt Ion: 164 Resp: 30167
Ion Ratio Lower Upper
164 100
129 93.7 68.6 127.4
131 91.2 66.4 123.4
166 122.5 85.9 159.5

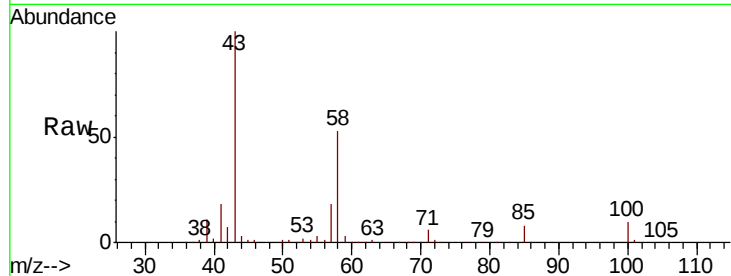




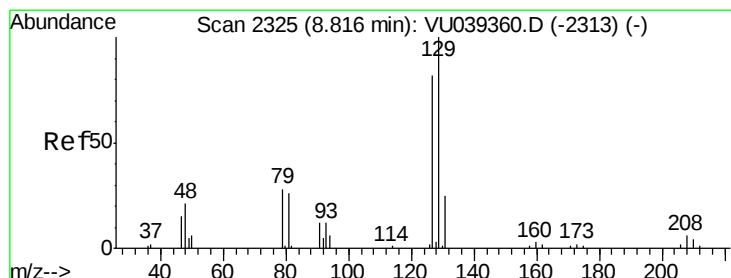
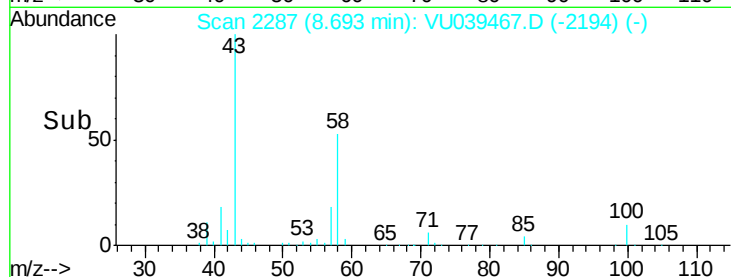
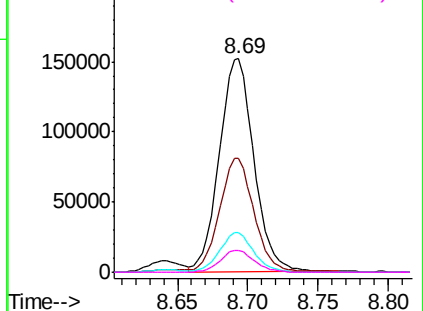
#48
2-Hexanone
Concen: 47.143 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. -0.00 min
Lab File: VU039467.D
Acq: 13 Jul 2020 13:11

Instrument :
MSVOA_U
ClientSampleId :
BFB30

Tot Ion: 43 Resp: 260048
Ion Ratio Lower Upper
43 100
58 53.2 42.0 63.0
57 18.4 14.0 21.0
100 10.2 8.2 12.2

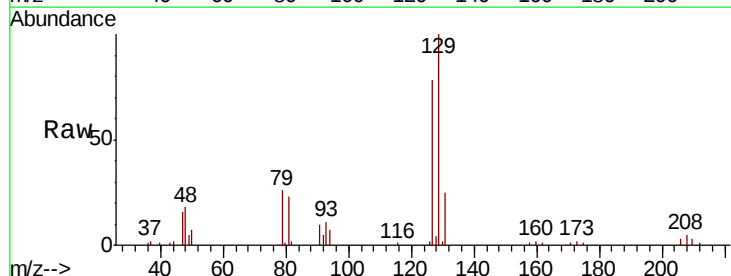


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

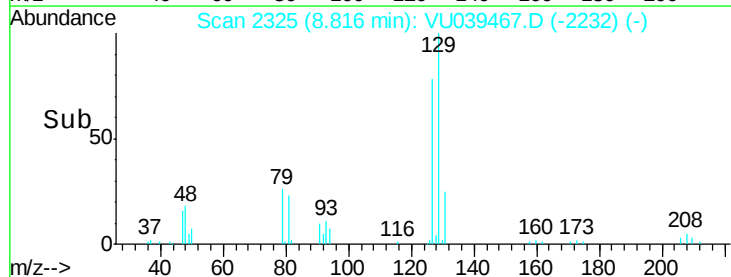
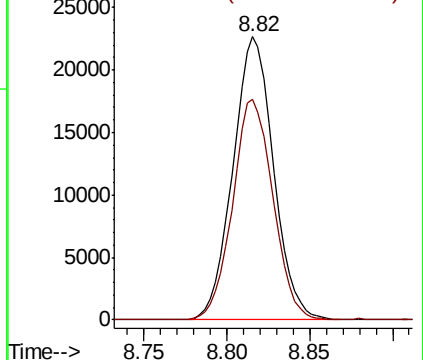


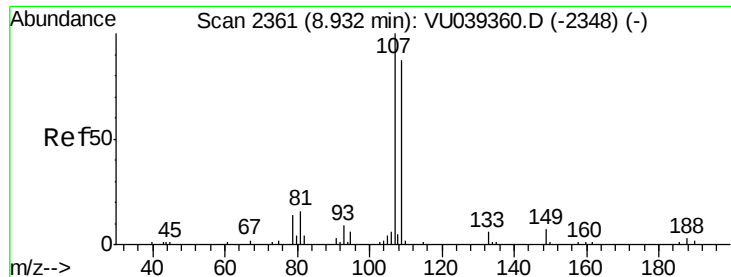
#49
Dibromochloromethane
Concen: 4.945 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039467.D
Acq: 13 Jul 2020 13:11

Tgt Ion: 129 Resp: 38581
Ion Ratio Lower Upper
129 100
127 78.0 55.4 102.8



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

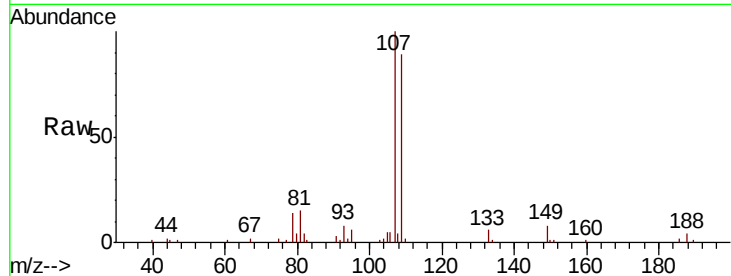




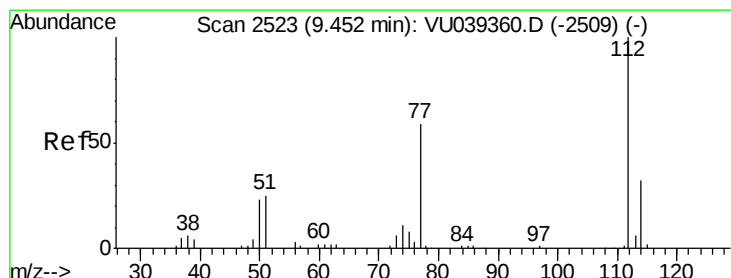
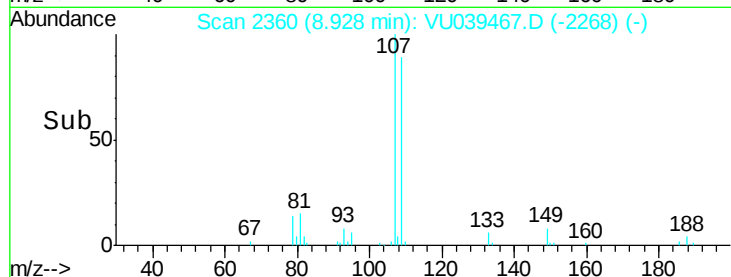
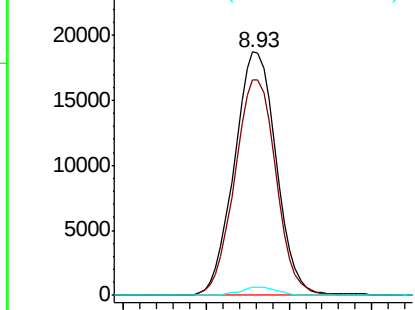
#50
 1,2-Dibromoethane
 Concen: 5.027 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU039467.D
 Acq: 13 Jul 2020 13:11

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB30

Tot Ion	Ratio	Lower	Upper
107	100		
109	88.5	64.0	118.8
188	3.5	2.6	3.8

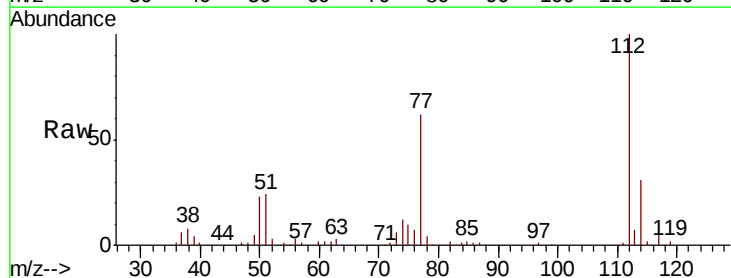


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

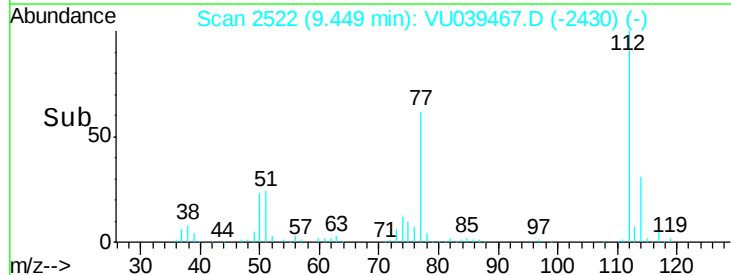
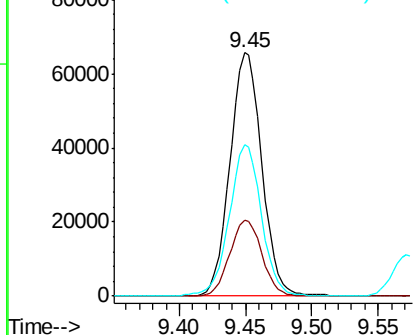


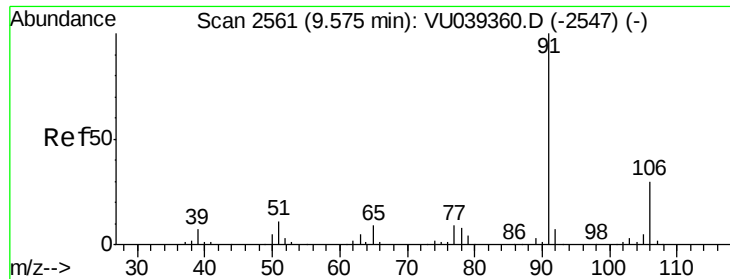
#51
 Chlorobenzene
 Concen: 5.093 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU039467.D
 Acq: 13 Jul 2020 13:11

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.0	22.1	41.1
77	62.5	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: 4.966 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039467.D

Acq: 13 Jul 2020 13:11

Instrument :

MSVOA_U

ClientSampleId :

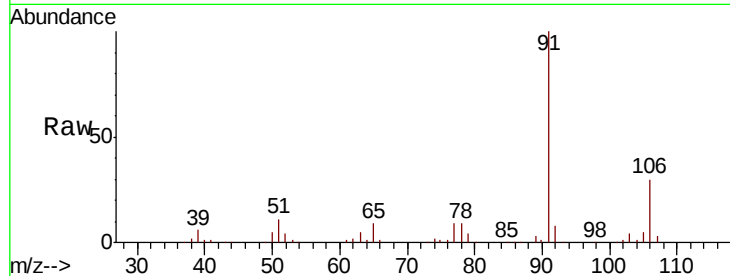
BFB30

Tot Ion: 91 Resp: 193329

Ion Ratio Lower Upper

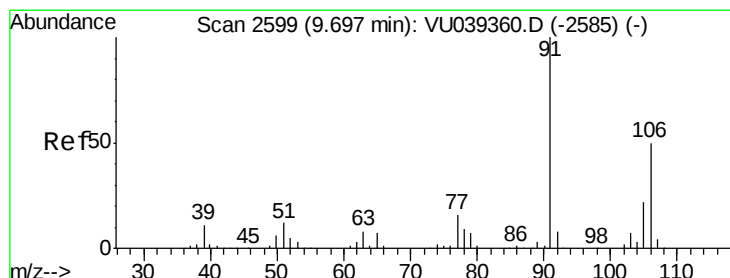
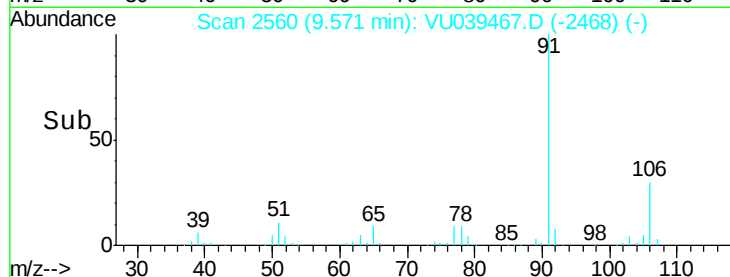
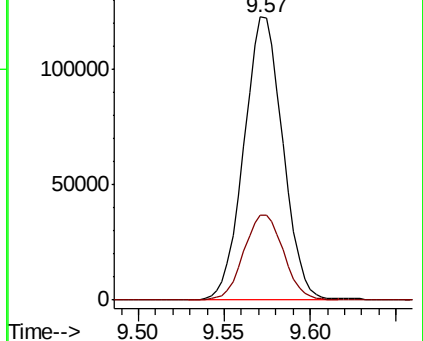
91 100

106 29.9 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: 5.098 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039467.D

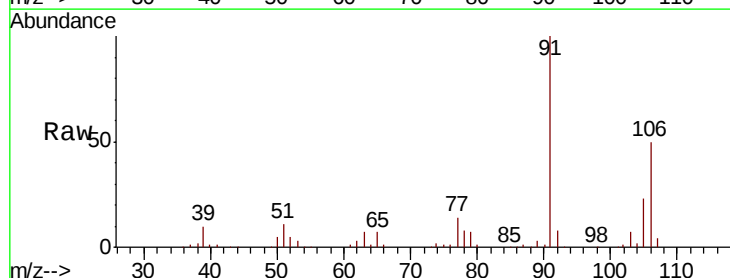
Acq: 13 Jul 2020 13:11

Tgt Ion: 106 Resp: 74786

Ion Ratio Lower Upper

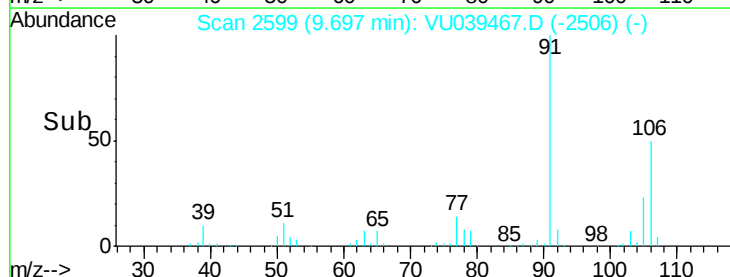
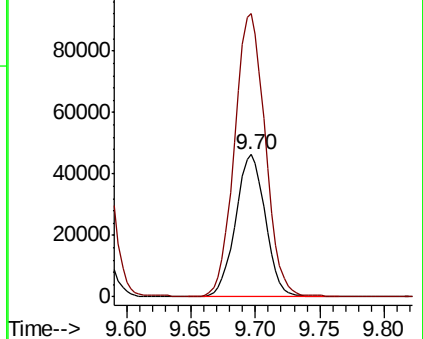
106 100

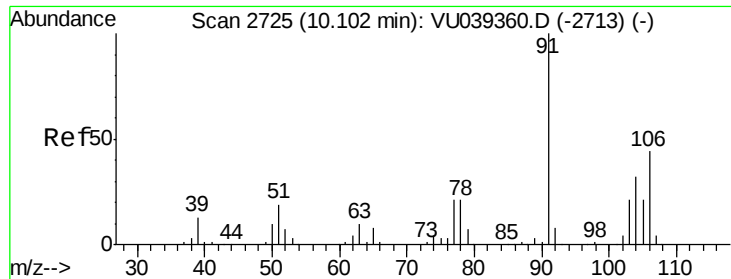
91 199.3 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

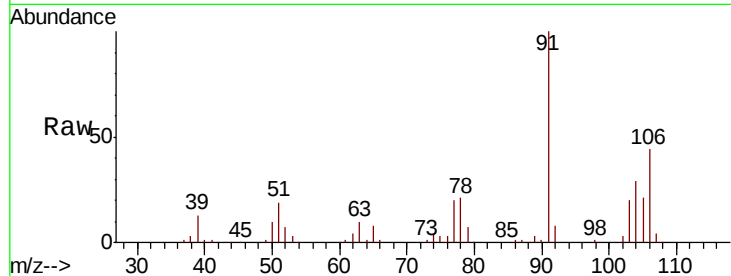




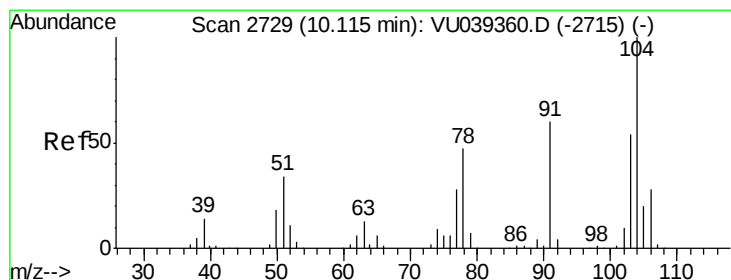
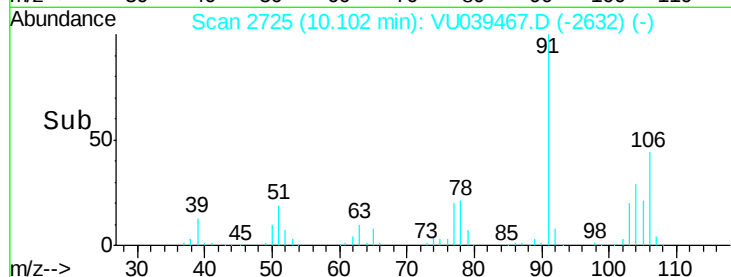
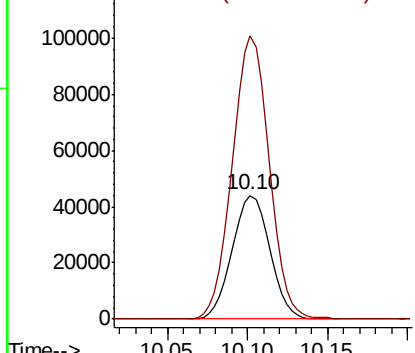
#54
o-Xylene
Concen: 4.955 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039467.D
Acq: 13 Jul 2020 13:11

Instrument :
MSVOA_U
ClientSampleId :
BFB30

Tot Ion:106 Resp: 70761
Ion Ratio Lower Upper
106 100
91 228.5 154.6 287.2

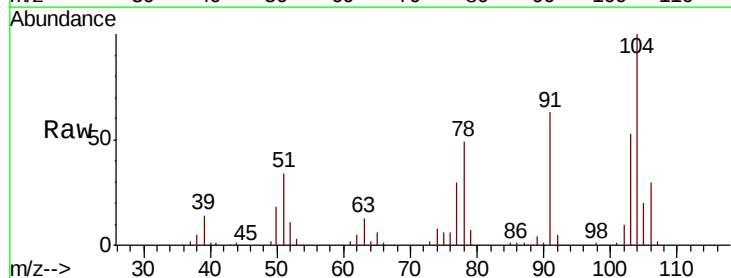


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

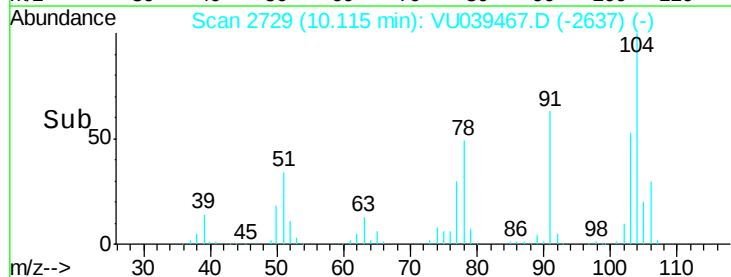
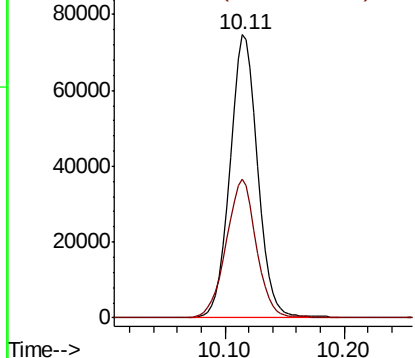


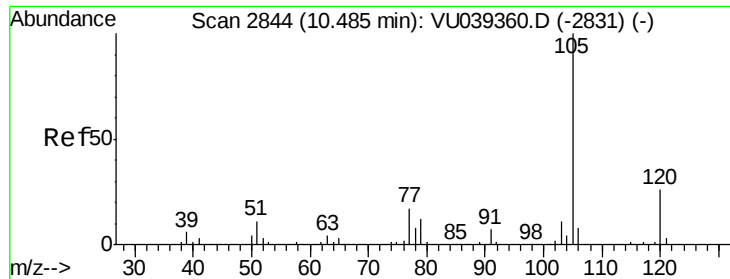
#55
Styrene
Concen: 4.843 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039467.D
Acq: 13 Jul 2020 13:11

Tgt Ion:104 Resp: 120332
Ion Ratio Lower Upper
104 100
78 49.2 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: 5.098 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039467.D

Acq: 13 Jul 2020 13:11

Instrument :

MSVOA_U

ClientSampleId :

BFB30

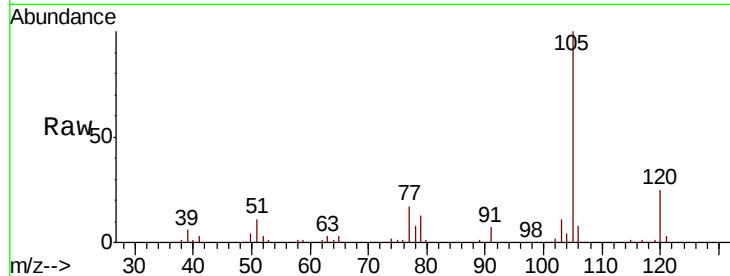
Tot Ion:105 Resp: 196903

Ion Ratio Lower Upper

105 100

120 25.2 20.7 31.1

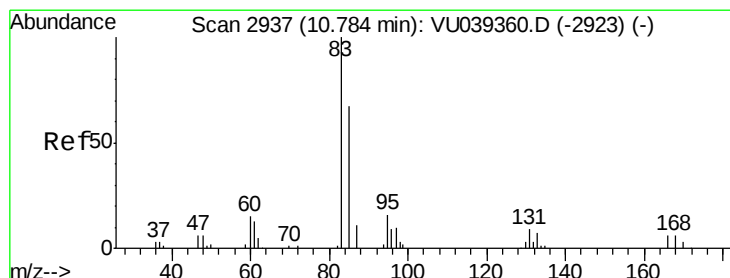
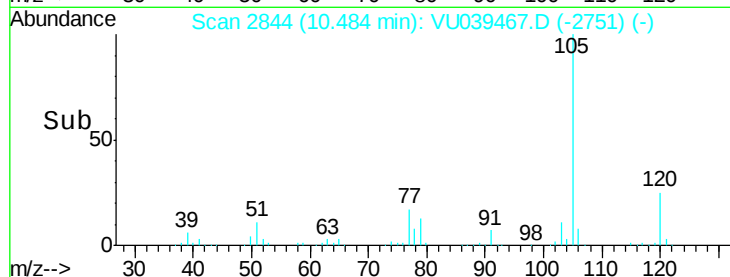
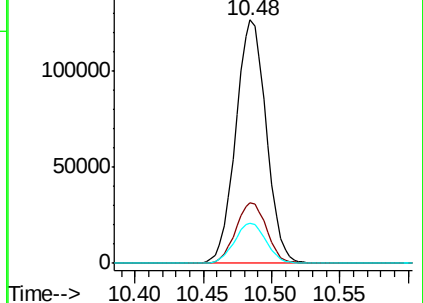
77 17.0 13.9 20.9



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: 4.836 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039467.D

Acq: 13 Jul 2020 13:11

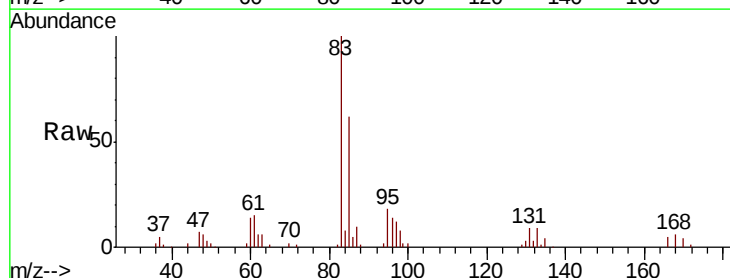
Tgt Ion: 83 Resp: 43360

Ion Ratio Lower Upper

83 100

85 61.7 46.1 85.7

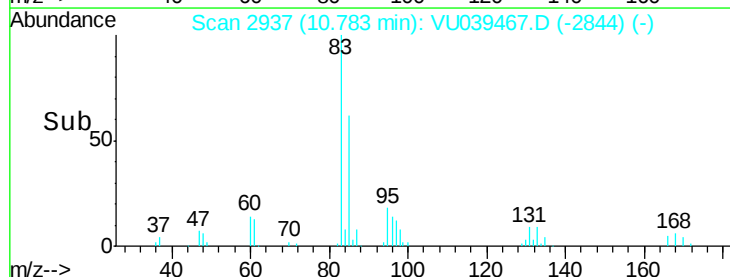
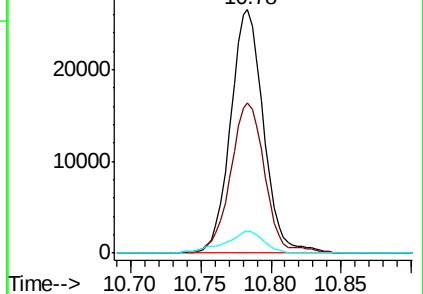
131 9.2 7.4 11.0

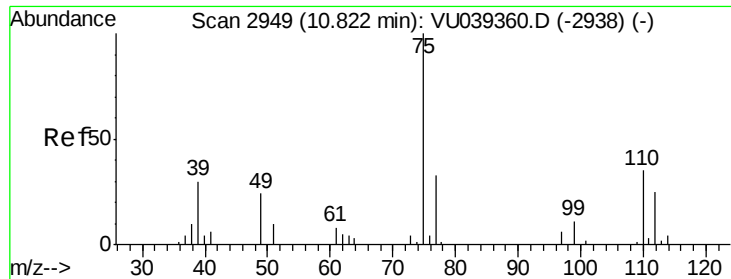


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

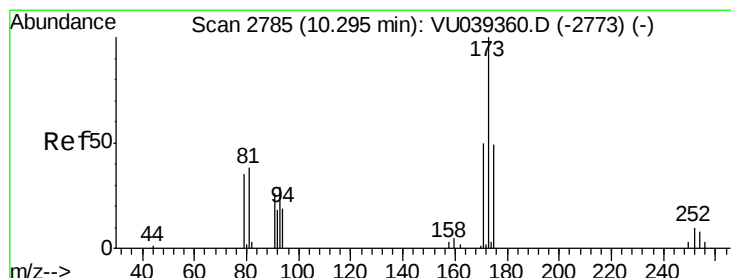
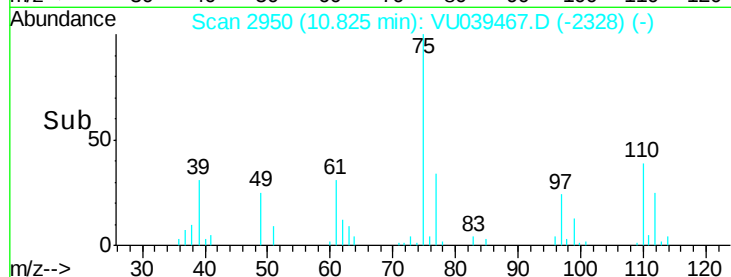
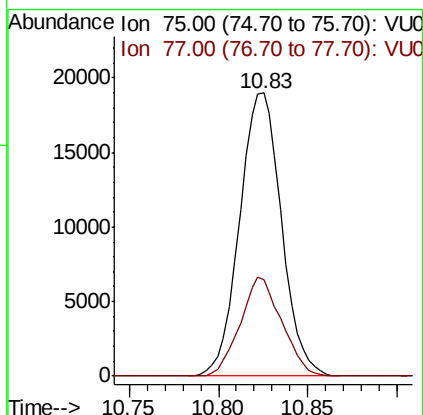
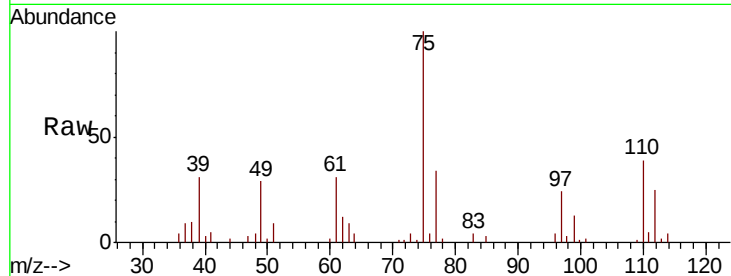




#59
 1,2,3-Trichloropropane
 Concen: 4.714 ug/L
 RT: 10.83 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU039467.D
 Acq: 13 Jul 2020 13:11

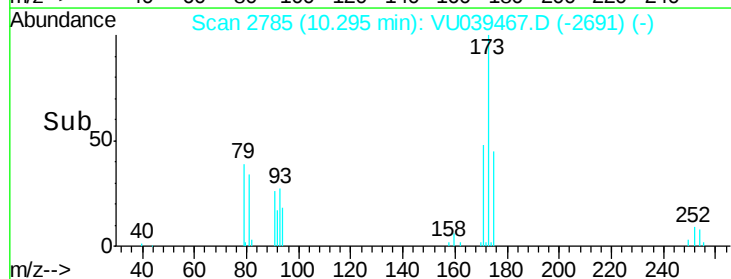
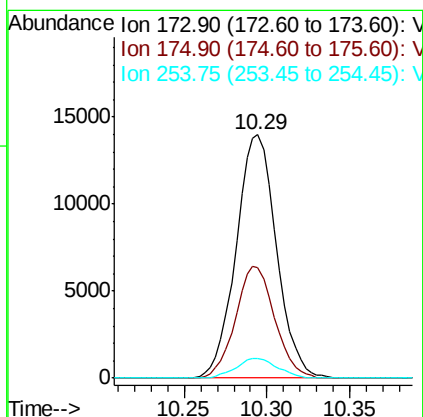
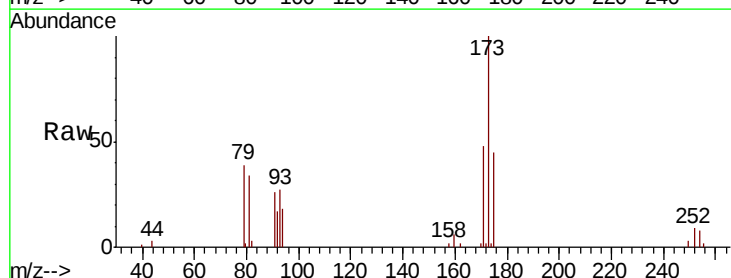
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB30

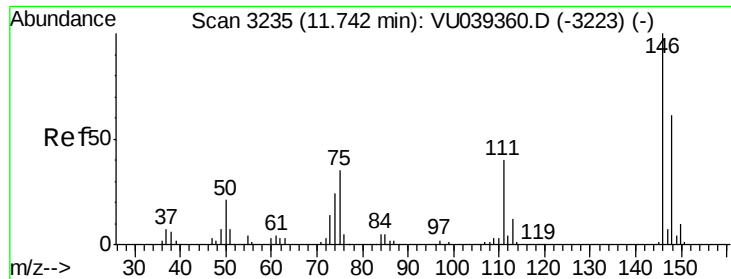
Tot Ion: 75 Resp: 31154
 Ion Ratio Lower Upper
 75 100
 77 34.6 26.8 40.2



#61
 Bromoform
 Concen: 5.078 ug/L
 RT: 10.29 min Scan# 2785
 Delta R.T. 0.00 min
 Lab File: VU039467.D
 Acq: 13 Jul 2020 13:11

Tgt Ion: 173 Resp: 23632
 Ion Ratio Lower Upper
 173 100
 175 44.5 37.5 56.3
 254 8.3 6.7 10.1





#62

1,3-Dichlorobenzene

Concen: 5.012 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU039467.D

Acq: 13 Jul 2020 13:11

Instrument :

MSVOA_U

ClientSampleId :

BFB30

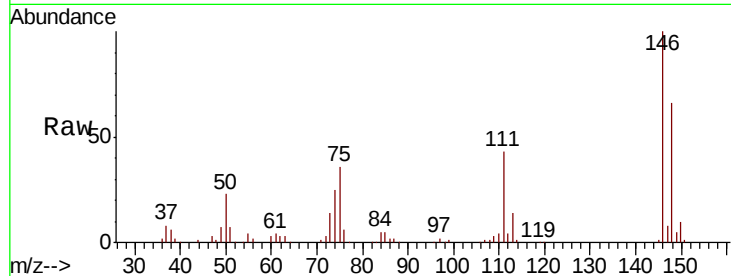
Tot Ion:146 Resp: 86723

Ion Ratio Lower Upper

146 100

111 42.8 29.0 53.8

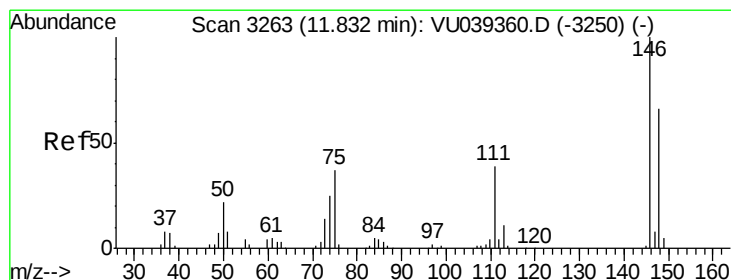
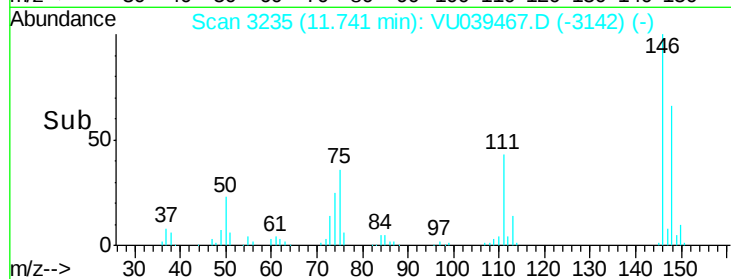
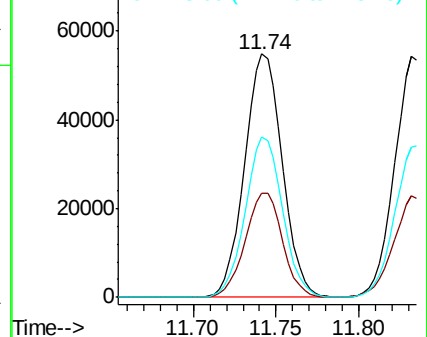
148 65.8 43.5 80.9



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: 4.968 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039467.D

Acq: 13 Jul 2020 13:11

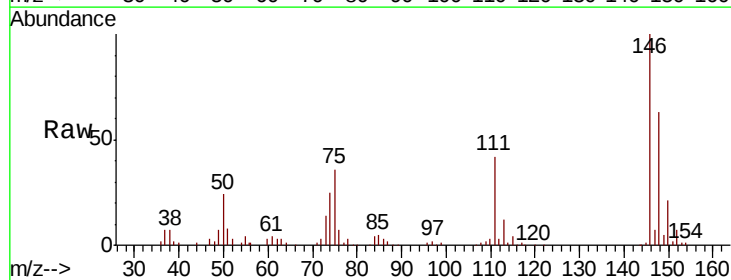
Tgt Ion:146 Resp: 86250

Ion Ratio Lower Upper

146 100

111 42.0 28.6 53.0

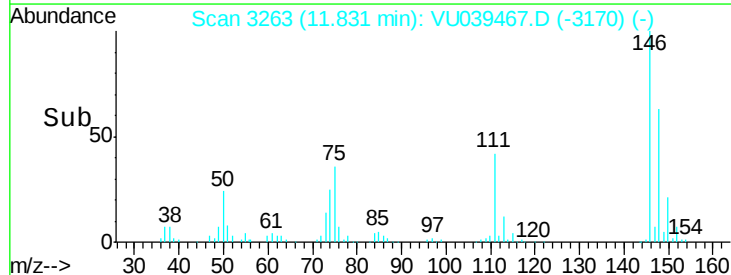
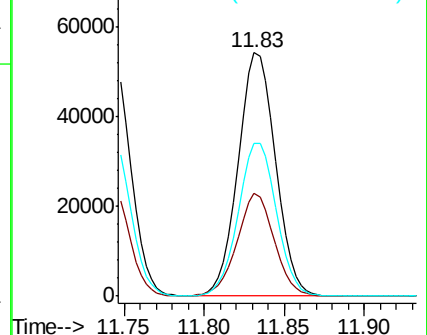
148 62.6 45.0 83.6

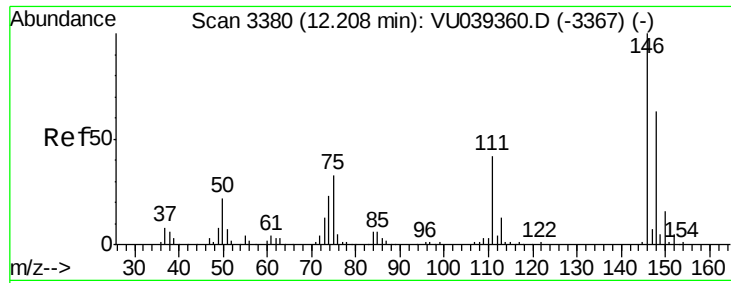


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.880 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU039467.D

Acq: 13 Jul 2020 13:11

Instrument :

MSVOA_U

ClientSampleId :

BFB30

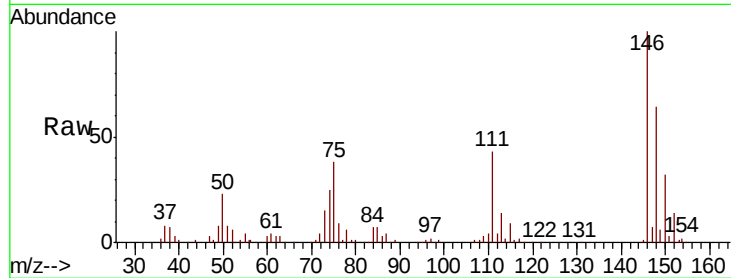
Tot Ion:146 Resp: 84653

Ion Ratio Lower Upper

146 100

111 42.8 35.0 52.4

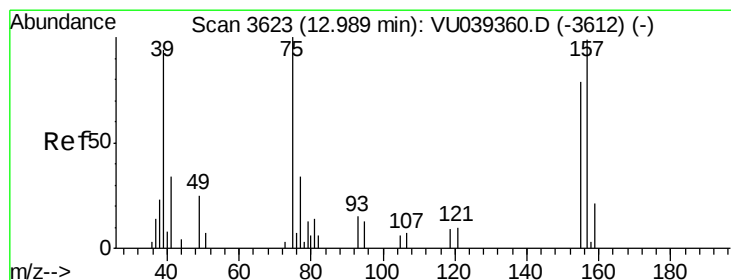
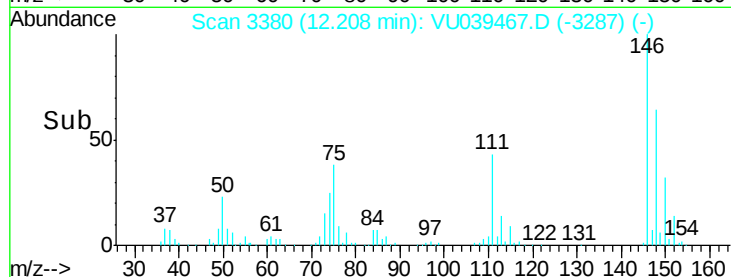
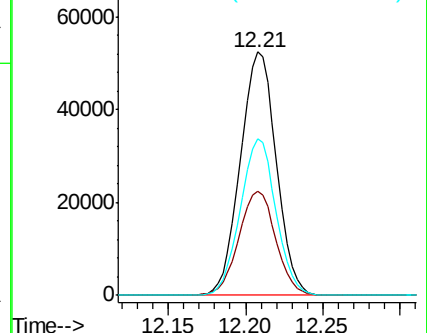
148 64.3 50.6 75.8



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.815 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU039467.D

Acq: 13 Jul 2020 13:11

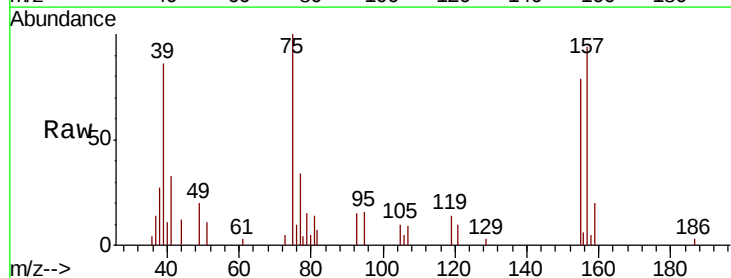
Tgt Ion: 75 Resp: 7378

Ion Ratio Lower Upper

75 100

155 78.8 51.9 77.9#

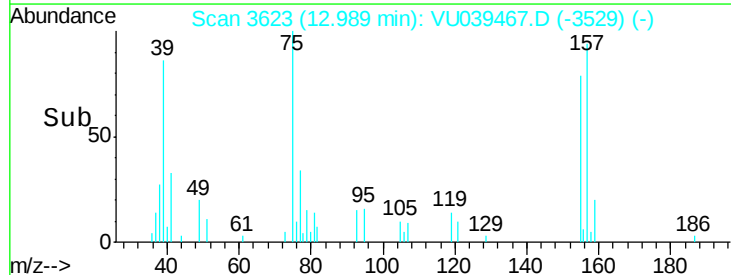
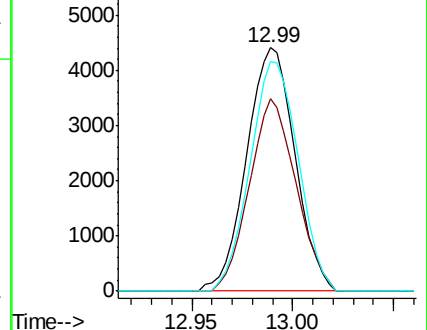
157 94.2 63.2 94.8

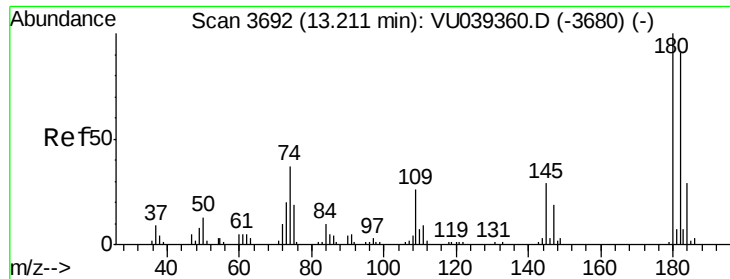


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

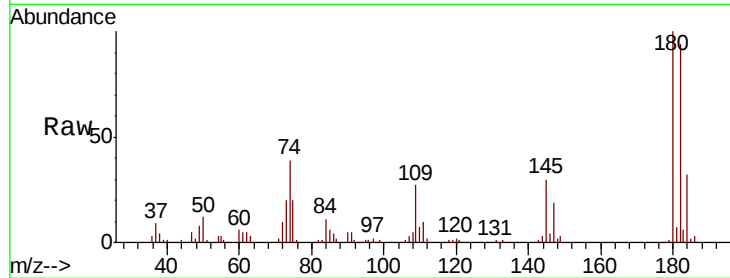




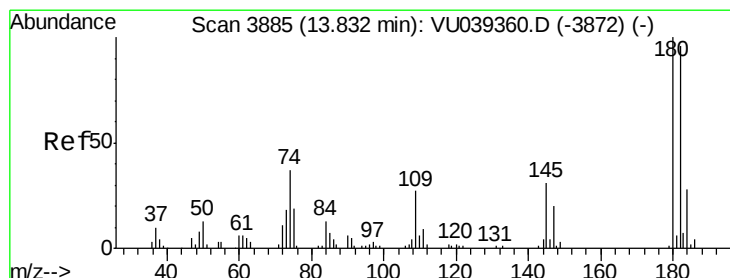
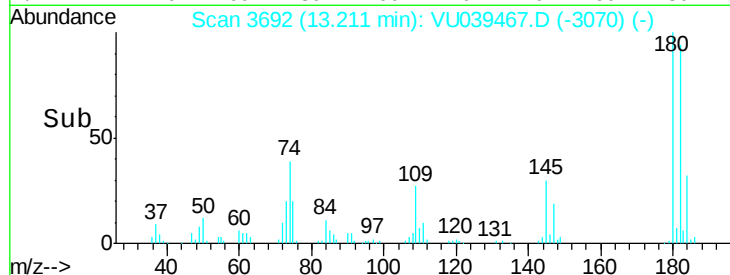
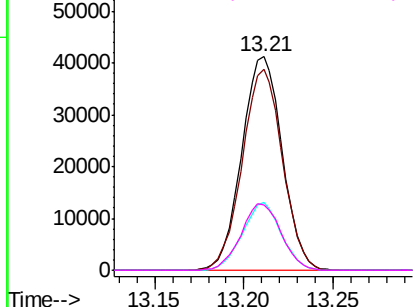
#67
 1,3,5-Trichlorobenzene
 Concen: 5.032 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU039467.D
 Acq: 13 Jul 2020 13:11

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB30

Tot Ion:180 Resp: 65156
 Ion Ratio Lower Upper
 180 100
 182 93.3 76.2 114.4
 184 30.2 24.2 36.4
 145 31.0 24.2 36.2

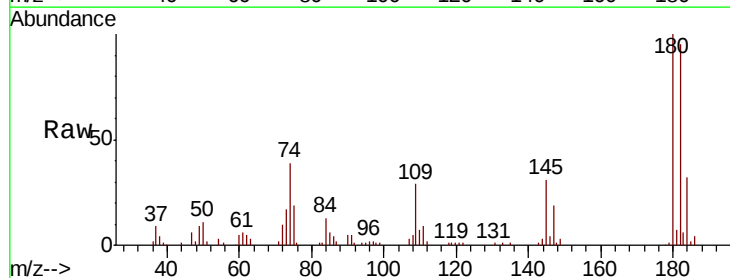


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

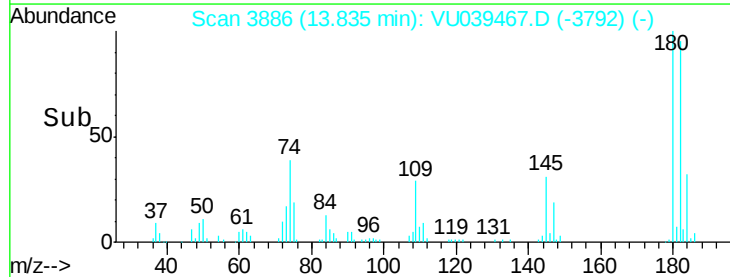
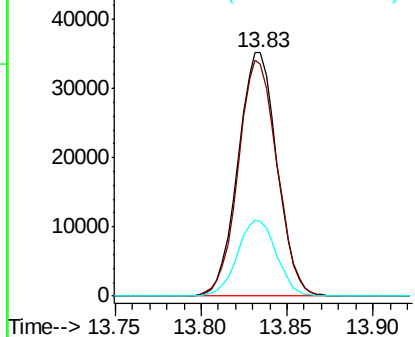


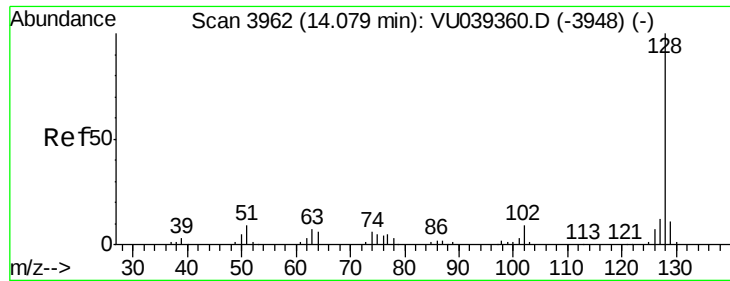
#68
 1,2,4-trichlorobenzene
 Concen: 5.012 ug/L
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU039467.D
 Acq: 13 Jul 2020 13:11

Tgt Ion:180 Resp: 55540
 Ion Ratio Lower Upper
 180 100
 182 96.2 79.4 119.2
 145 31.1 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: 4.552 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039467.D

Acq: 13 Jul 2020 13:11

Instrument :

MSVOA_U

ClientSampleId :

BFB30

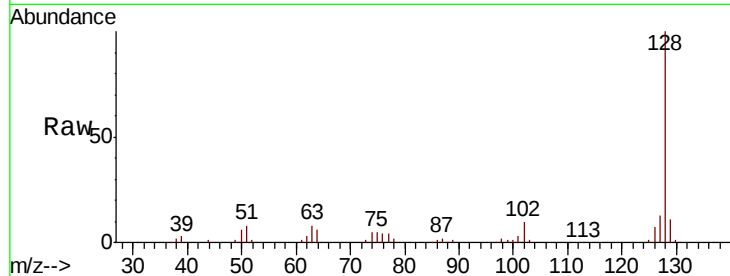
Tot Ion:128 Resp: 101502

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

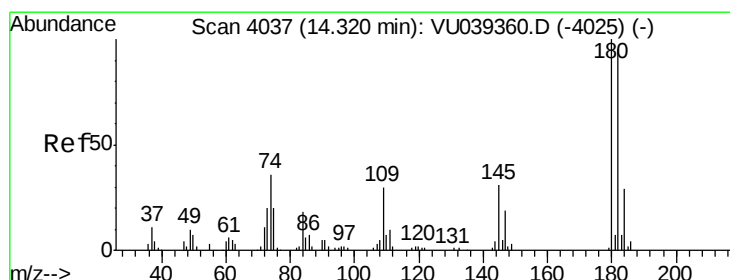
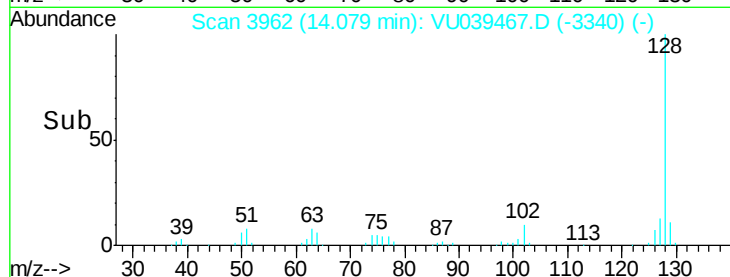
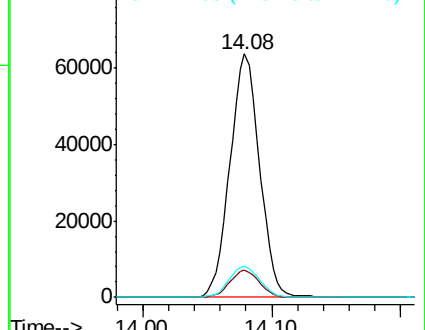
127 13.0 10.4 15.6



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: 4.836 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039467.D

Acq: 13 Jul 2020 13:11

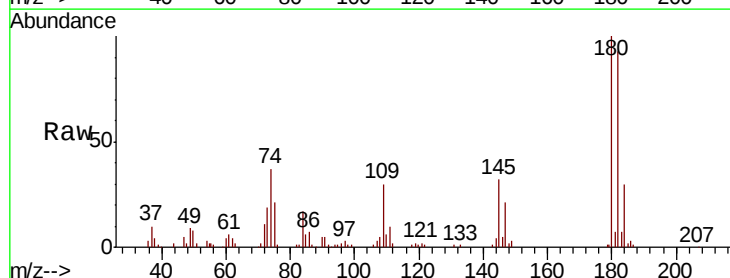
Tgt Ion:180 Resp: 49655

Ion Ratio Lower Upper

180 100

182 94.1 74.2 111.2

145 33.3 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

