

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072220\
 Data File : VU039619.D
 Acq On : 22 Jul 2020 09:35
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB07

Quant Time: Jul 23 01:21:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 22 02:01:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	125622	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	123092	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	61399	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	25446	4.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.20%
7) Chloroethane-d5	1.92	69	27302	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.80%
11) 1,1-Dichloroethene-d2	2.58	63	61283	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.60%
20) 2-Butanone-d5	4.65	46	134142	51.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.00%
24) Chloroform-d	5.08	84	67483	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	5.72	65	43947	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
32) Benzene-d6	5.74	84	129204	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
36) 1,2-Dichloropropane-d6	6.70	67	42462	4.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.20%
41) Toluene-d8	7.91	98	120121	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	8.19	79	19033	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	8.64	63	102728	49.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.22%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	42181	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	50220	4.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	28507	4.640	ug/L	96
3) Chloromethane	1.53	50	30962	4.641	ug/L	94
5) Vinyl chloride	1.61	62	34530	4.824	ug/L	100
6) Bromomethane	1.87	94	21057	4.563	ug/L	93
8) Chloroethane	1.94	64	26712	4.514	ug/L	95
9) Trichlorofluoromethane	2.15	101	73108	4.835	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	32290	4.947	ug/L	96
12) 1,1-Dichloroethene	2.59	96	29251	4.923	ug/L	95
13) Acetone	2.66	43	75334	51.469	ug/L	99
14) Carbon disulfide	2.81	76	83284	4.660	ug/L	100
15) Methyl Acetate	2.97	43	16473	4.607	ug/L	97
16) Methylene chloride	3.06	84	34478	4.017	ug/L	97
17) Methyl tert-butyl Ether	3.38	73	90229	4.779	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	32639	4.948	ug/L	96
19) 1,1-Dichloroethane	3.89	63	63341	4.682	ug/L	98
21) 2-Butanone	4.73	43	121632	47.973	ug/L	96
22) cis-1,2-Dichloroethene	4.68	96	37005	4.816	ug/L	94

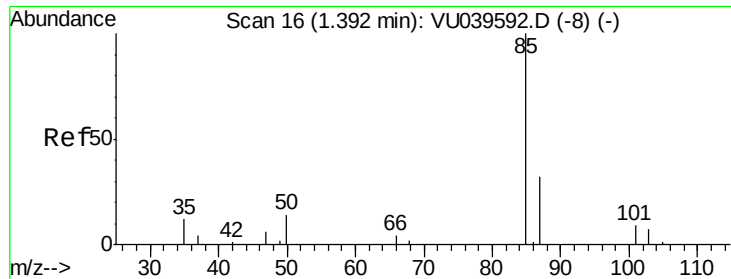
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072220\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 22 02:01:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	17054	4.779	ug/L	95
25) Chloroform	5.11	83	75814	4.915	ug/L	99
27) 1,2-Dichloroethane	5.81	62	48118	4.587	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	61513	4.730	ug/L	96
30) Cyclohexane	5.40	56	53896	4.705	ug/L	97
31) Carbon tetrachloride	5.54	117	52809	4.746	ug/L	99
33) Benzene	5.79	78	139532	4.717	ug/L	100
34) Trichloroethene	6.55	95	37260	4.574	ug/L	97
35) Methylcyclohexane	6.77	83	57949	4.842	ug/L	99
37) 1,2-Dichloropropane	6.80	63	39000	4.737	ug/L	100
38) Bromodichloromethane	7.11	83	51215	4.728	ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	56241	4.756	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	304414	47.372	ug/L	99
42) Toluene	7.98	91	156738	4.840	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	50810	4.705	ug/L	96
45) 1,1,2-Trichloroethane	8.41	97	28966	4.635	ug/L	95
47) Tetrachloroethene	8.56	164	26691	4.790	ug/L	87
48) 2-Hexanone	8.69	43	230083	48.373	ug/L	99
49) Dibromochloromethane	8.82	129	36196	4.764	ug/L	99
50) 1,2-Dibromoethane	8.93	107	28495	4.653	ug/L	100
51) Chlorobenzene	9.45	112	102717	4.957	ug/L	96
52) Ethylbenzene	9.57	91	178336	4.842	ug/L	100
53) m,p-Xylene	9.70	106	64898	4.722	ug/L	99
54) o-Xylene	10.10	106	64483	4.804	ug/L	98
55) Styrene	10.11	104	109087	4.840	ug/L	99
56) Isopropylbenzene	10.48	105	178311	4.866	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	38360	4.747	ug/L	95
59) 1,2,3-Trichloropropane	10.82	75	28542	4.727	ug/L	99
61) Bromoform	10.29	173	20146	4.634	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	82009	4.915	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	79692	4.745	ug/L	100
65) 1,2-Dichlorobenzene	12.21	146	78347	4.862	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.99	75	6289	5.105	ug/L	95
67) 1,3,5-Trichlorobenzene	13.21	180	58480	4.870	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	47853	4.853	ug/L	98
69) Naphthalene	14.08	128	78895	4.725	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	43772	4.996	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 4.640 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU039619.D

Acq: 22 Jul 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

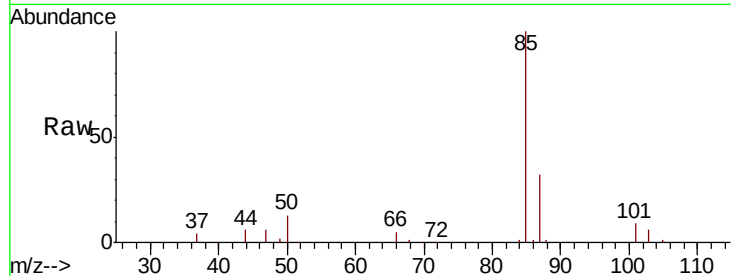
BFB07

Tot Ion: 85 Resp: 28507

Ion Ratio Lower Upper

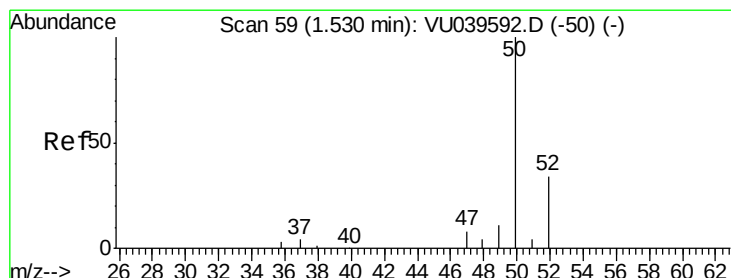
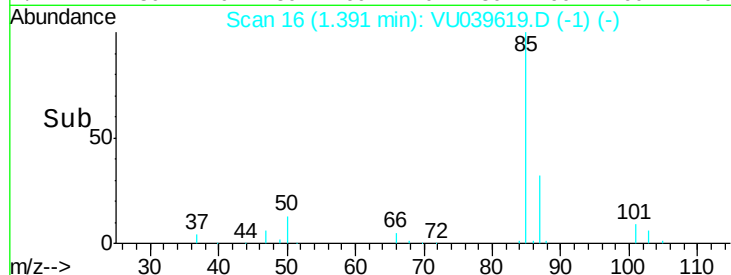
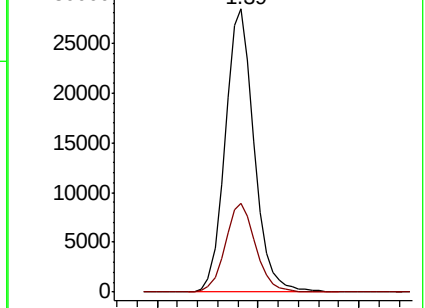
85 100

87 32.7 24.5 36.7



Abundance Ion 85.00 (84.70 to 85.70): VU039592.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039592.D (-8) (-)



#3

Chloromethane

Concen: 4.641 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU039619.D

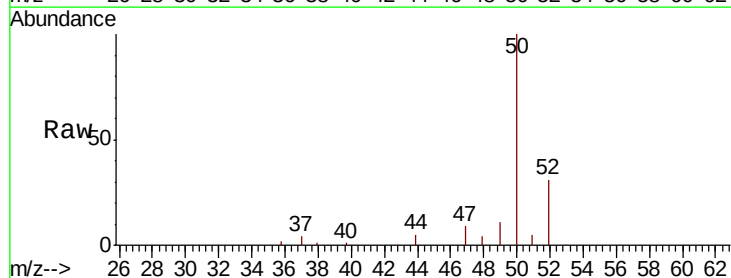
Acq: 22 Jul 2020 09:35

Tgt Ion: 50 Resp: 30962

Ion Ratio Lower Upper

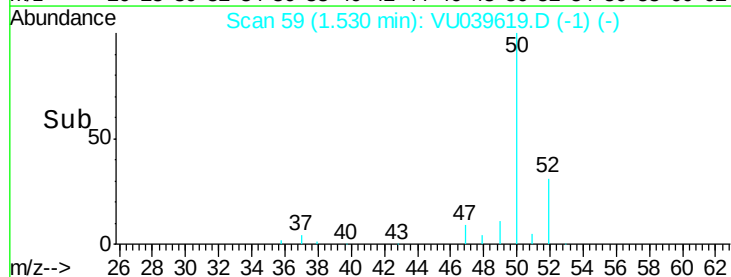
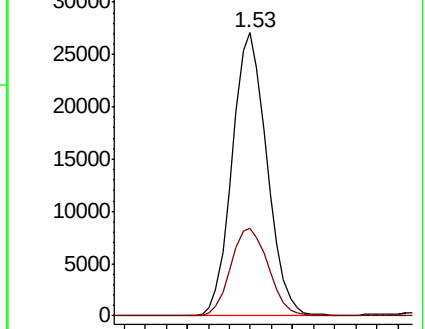
50 100

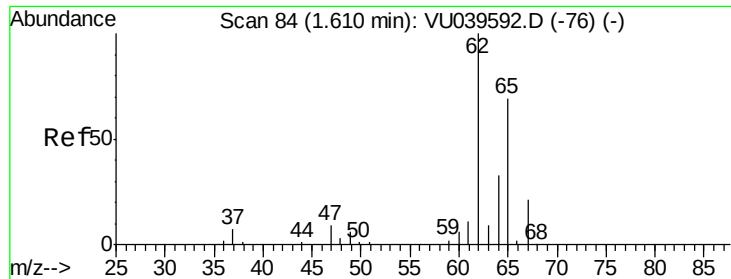
52 31.0 23.9 44.5



Abundance Ion 50.05 (49.75 to 50.75): VU039592.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039592.D (-50) (-)

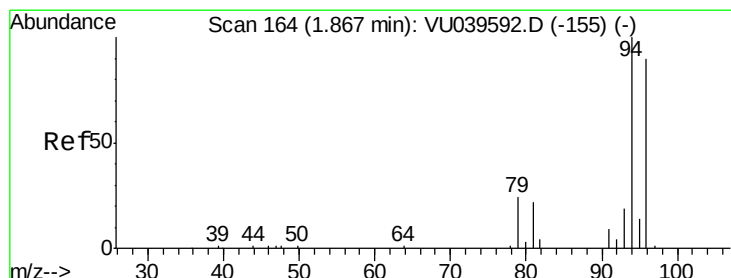
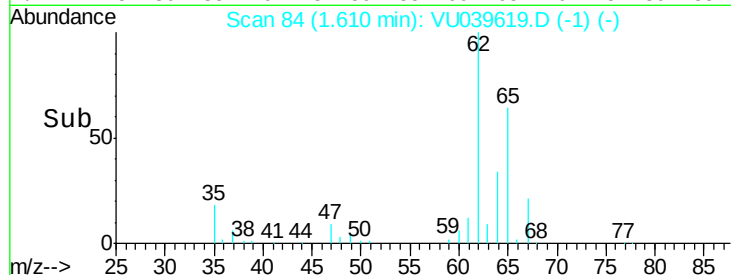
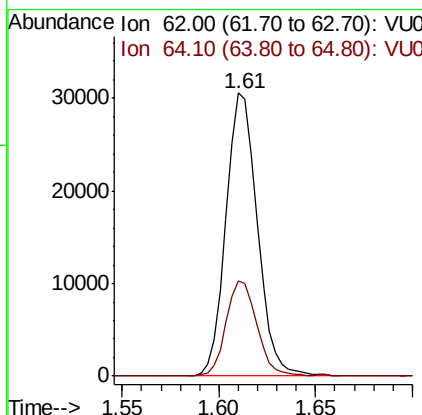
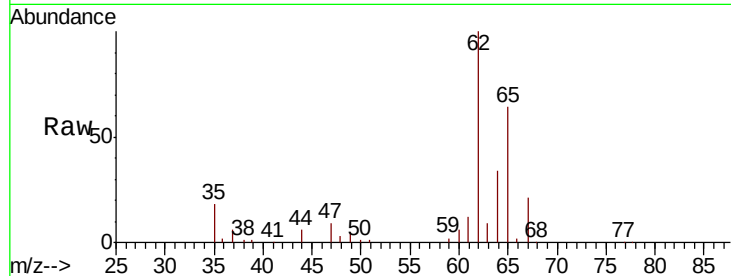




#5
 Vinyl chloride
 Concen: 4.824 ug/L
 RT: 1.61 min Scan# 84
 Delta R.T. -0.00 min
 Lab File: VU039619.D
 Acq: 22 Jul 2020 09:35

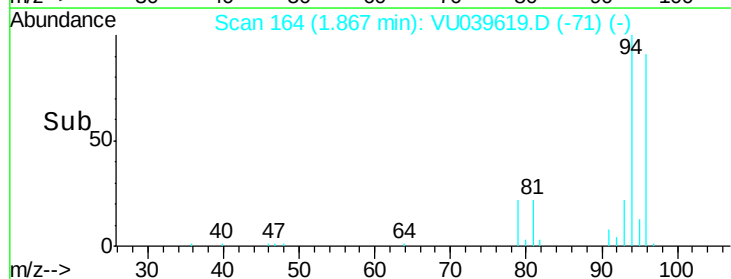
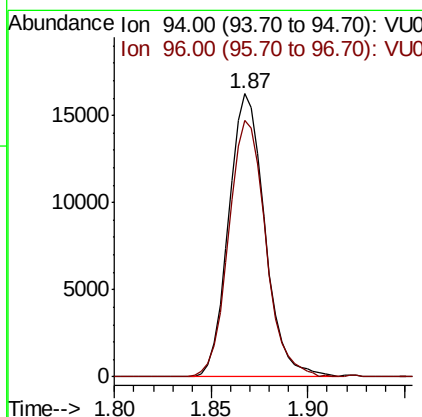
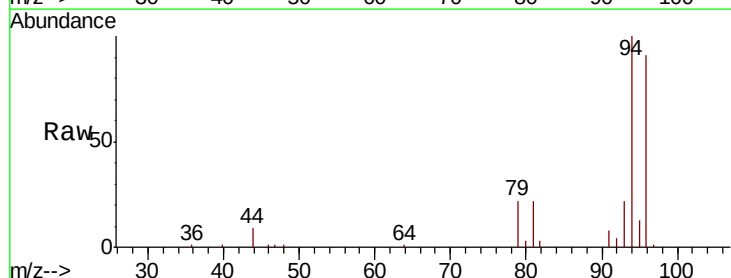
Instrument :
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 ClientSampleId :
 BFB07

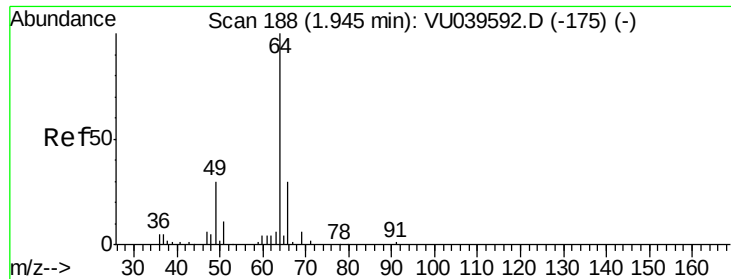
Tot Ion: 62 Resp: 34530
 Ion Ratio Lower Upper
 62 100
 64 33.6 23.4 43.6



#6
 Bromomethane
 Concen: 4.563 ug/L
 RT: 1.87 min Scan# 164
 Delta R.T. -0.00 min
 Lab File: VU039619.D
 Acq: 22 Jul 2020 09:35

Tgt Ion: 94 Resp: 21057
 Ion Ratio Lower Upper
 94 100
 96 90.6 68.0 126.2

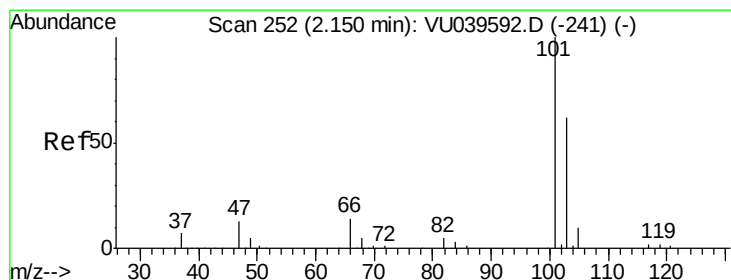
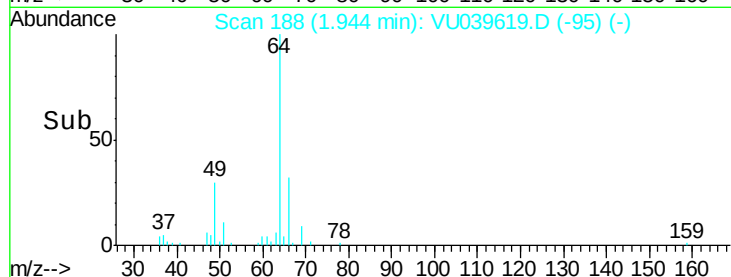
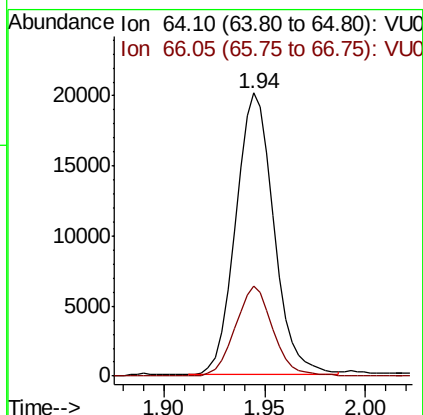
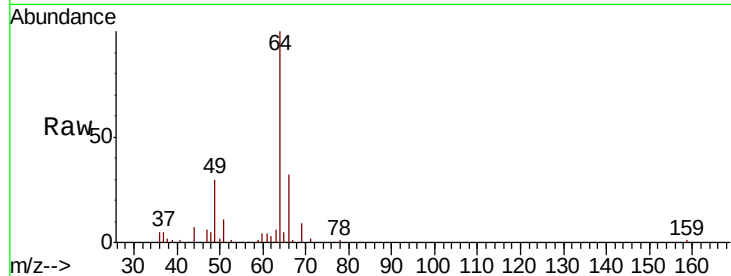




#8
Chloroethane
Concen: 4.514 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU039619.D
Acq: 22 Jul 2020 09:35

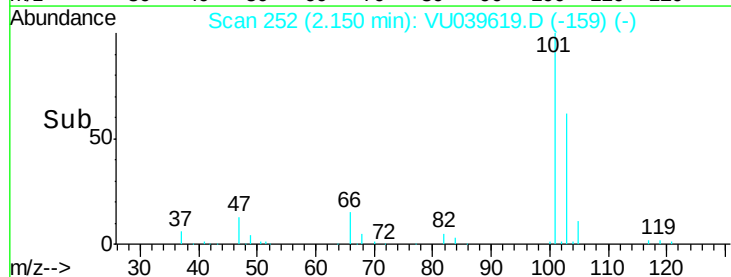
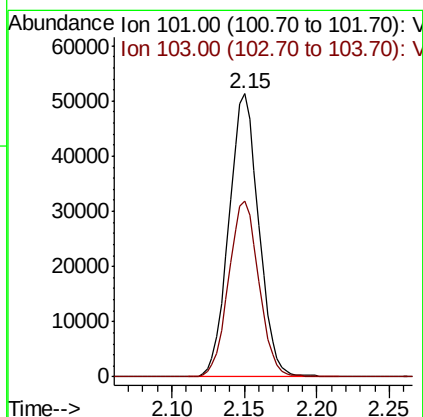
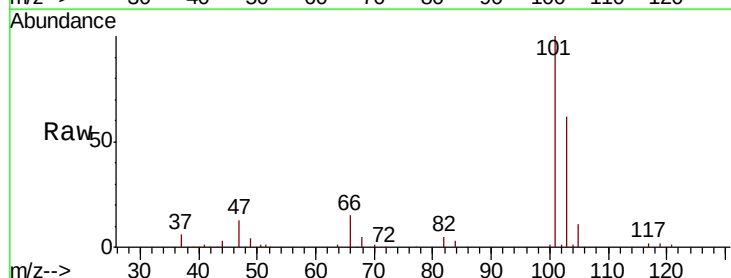
Instrument :
MSVOA_U
ClientSampleId :
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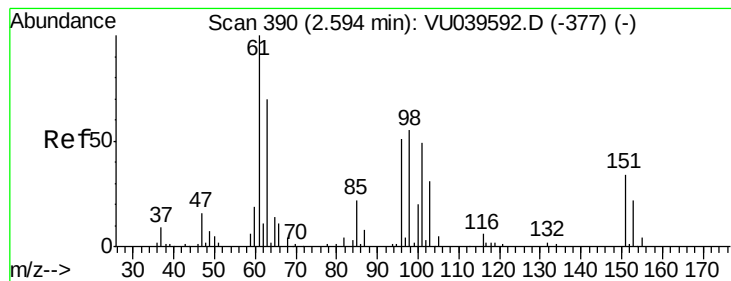
Tot Ion: 64 Resp: 26712
Ion Ratio Lower Upper
64 100
66 31.7 24.0 44.6



#9
Trichlorofluoromethane
Concen: 4.835 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU039619.D
Acq: 22 Jul 2020 09:35

Tgt Ion: 101 Resp: 73108
Ion Ratio Lower Upper
101 100
103 63.1 50.6 75.8





#10

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

Concen: 4.947 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039619.D

Acq: 22 Jul 2020 09:35

Instrument :

MSVOA_U

ClientSampled :

BFB07

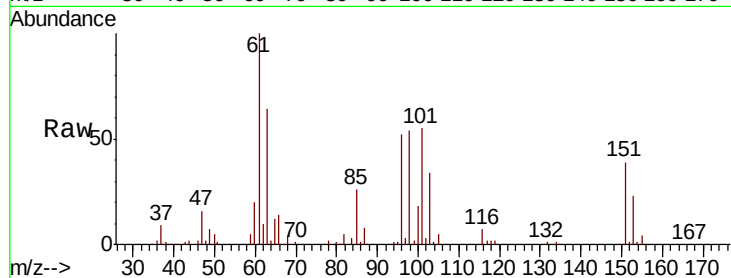
Tot Ion:101 Resp: 32290

Ion Ratio Lower Upper

101 100

85 49.2 38.7 58.1

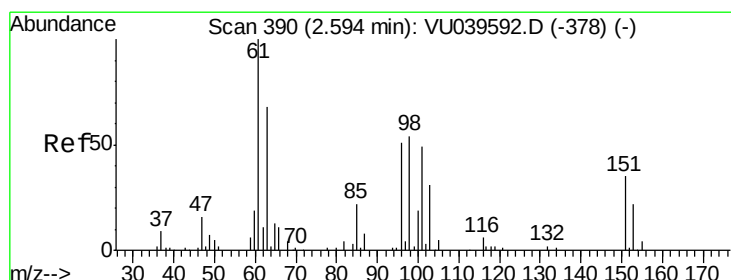
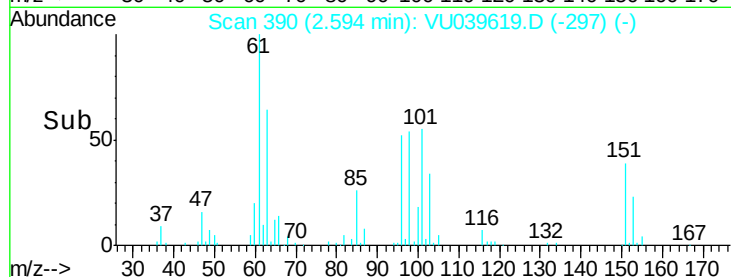
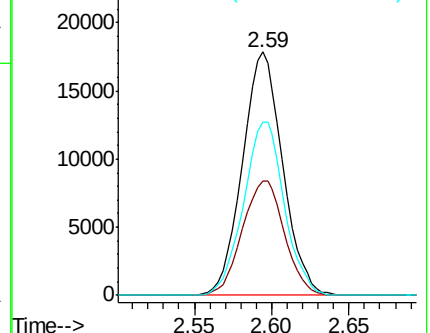
151 72.1 53.4 80.2



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: 4.923 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039619.D

Acq: 22 Jul 2020 09:35

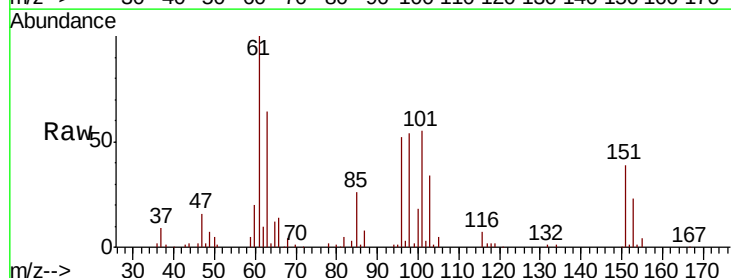
Tgt Ion: 96 Resp: 29251

Ion Ratio Lower Upper

96 100

61 191.8 129.1 239.7

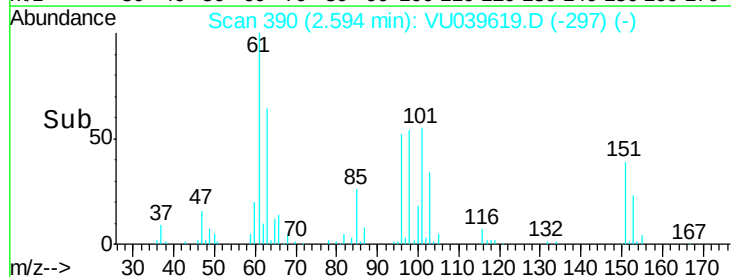
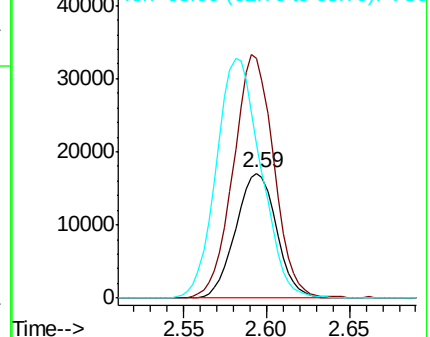
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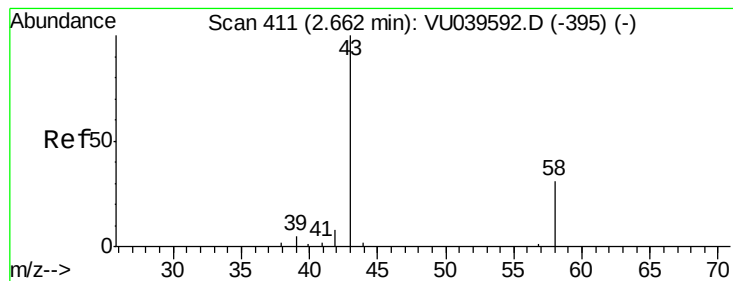


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 51.469 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.00 min

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ClientSampleId :

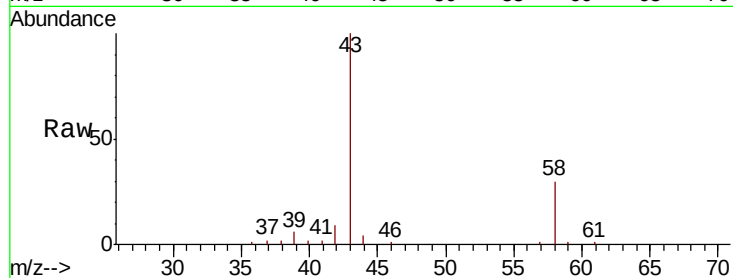
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Tot Ion: 43 Resp: 75334

Ion Ratio Lower Upper

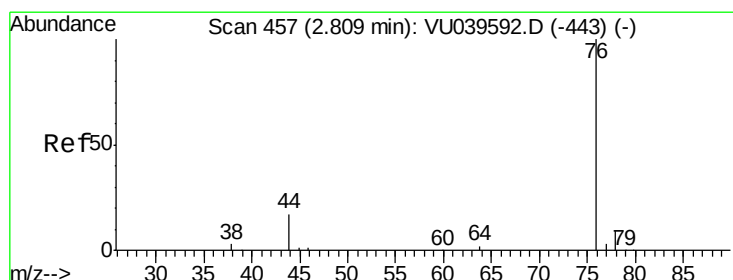
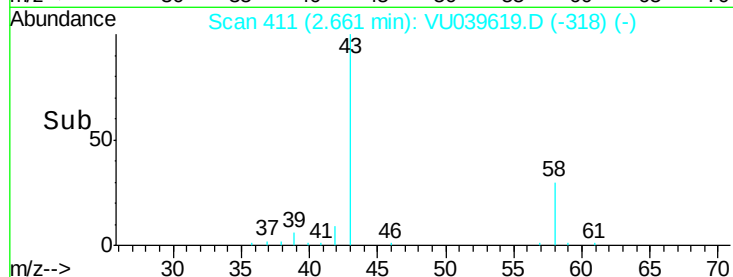
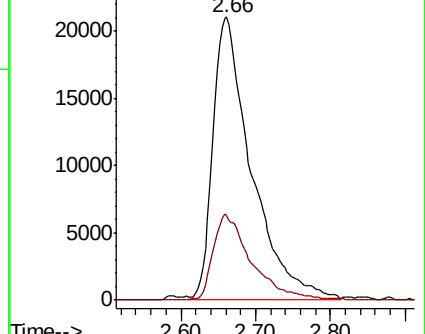
43 100

58 29.9 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.660 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039619.D

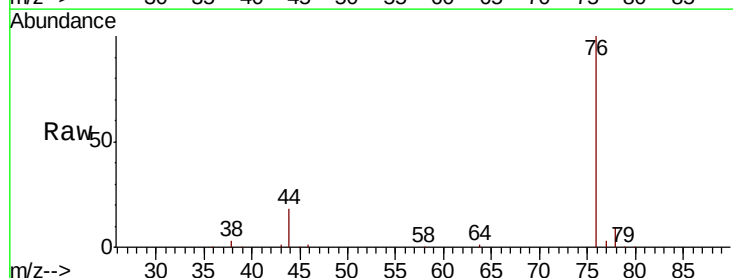
Acq: 22 Jul 2020 09:35

Tgt Ion: 76 Resp: 83284

Ion Ratio Lower Upper

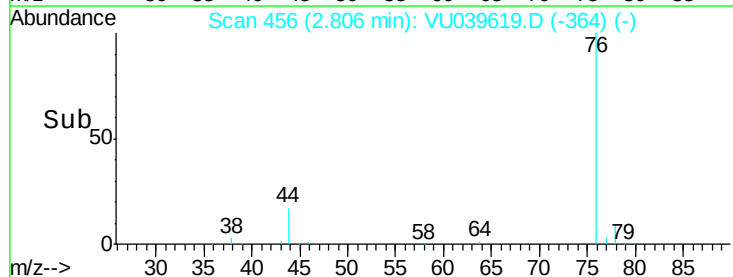
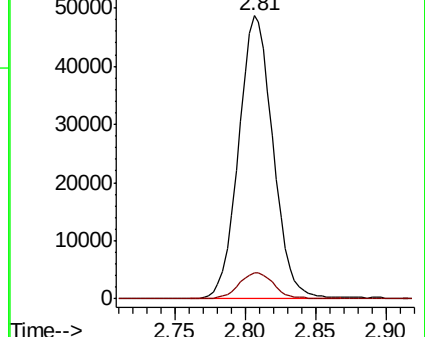
76 100

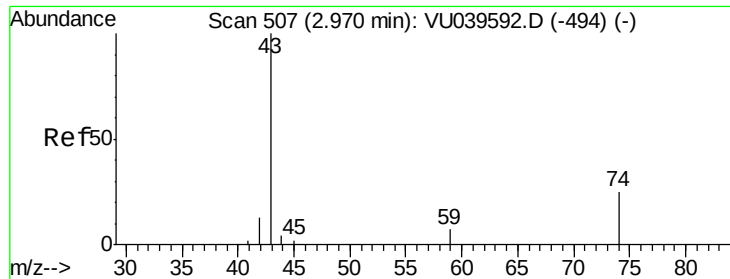
78 9.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

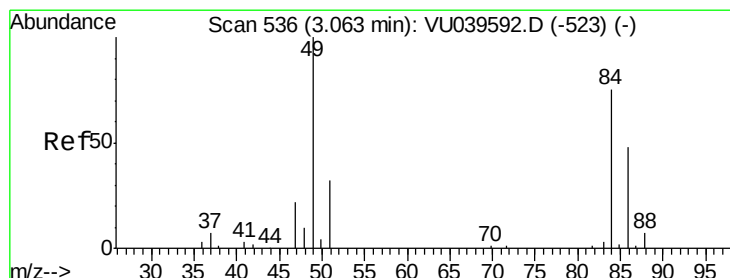
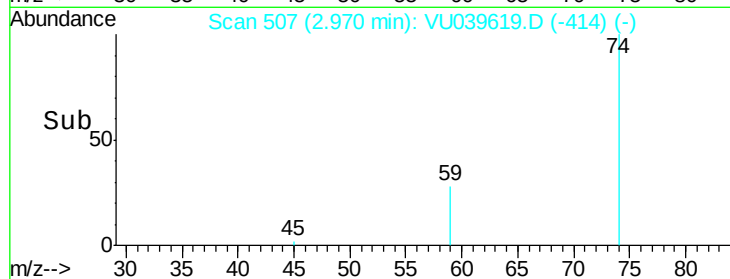
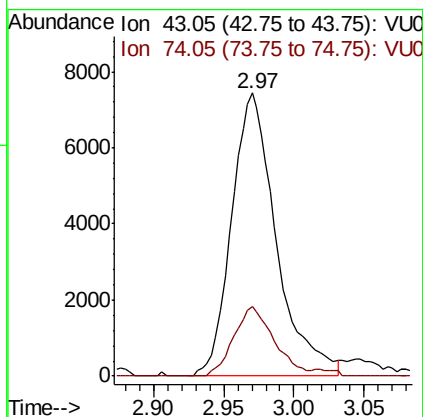
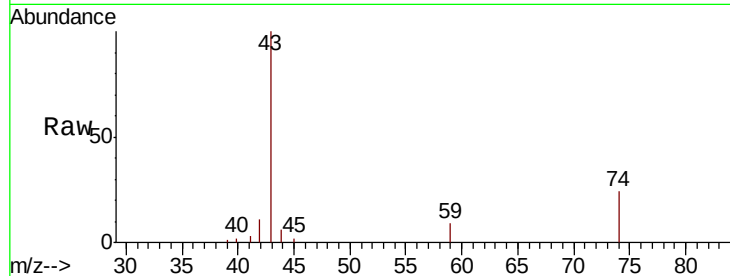




#15
Methvl Acetate
Concen: 4.607 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.00 min
Lab File: VU039619.D
Acq: 22 Jul 2020 09:35

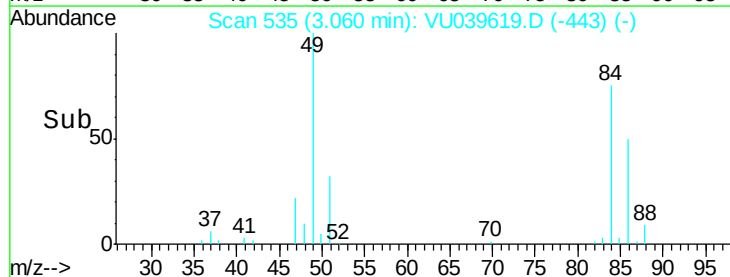
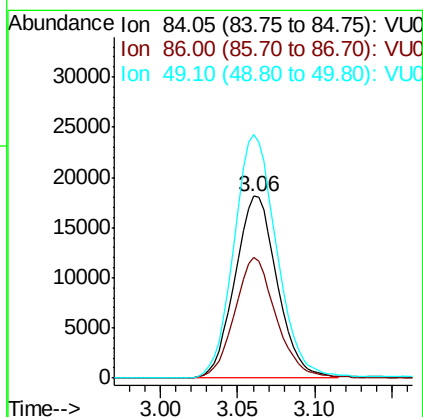
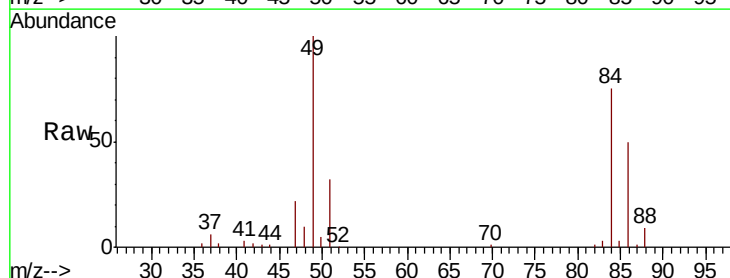
Instrument :
MSVOA_U
ClientSampleId :
BFB07

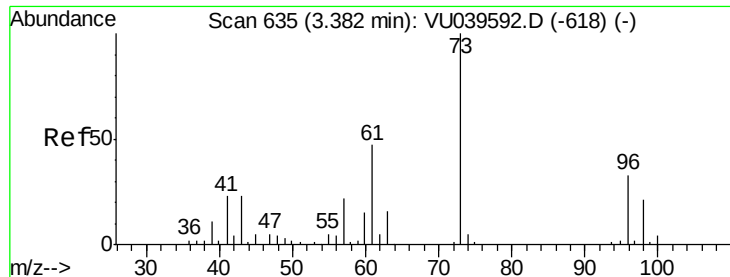
Tot Ion: 43 Resp: 16473
Ion Ratio Lower Upper
43 100
74 22.2 16.6 24.8



#16
Methylene chloride
Concen: 4.017 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039619.D
Acq: 22 Jul 2020 09:35

Tgt Ion: 84 Resp: 34478
Ion Ratio Lower Upper
84 100
86 66.5 43.8 81.4
49 134.0 92.7 172.3

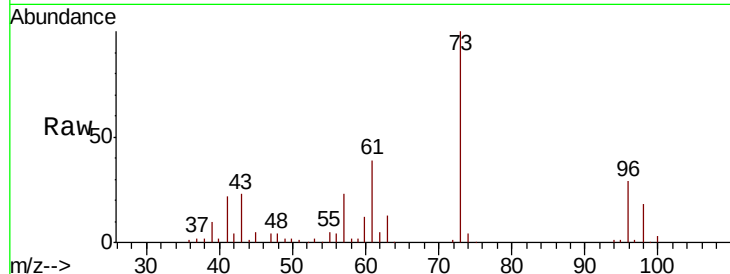




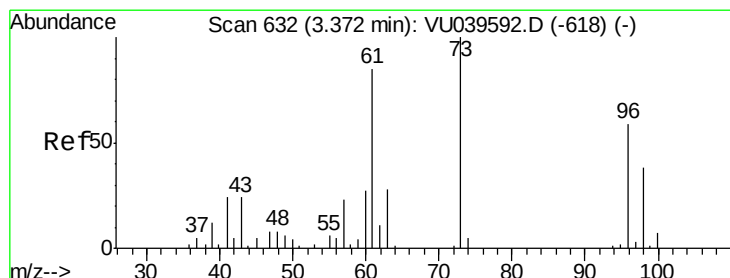
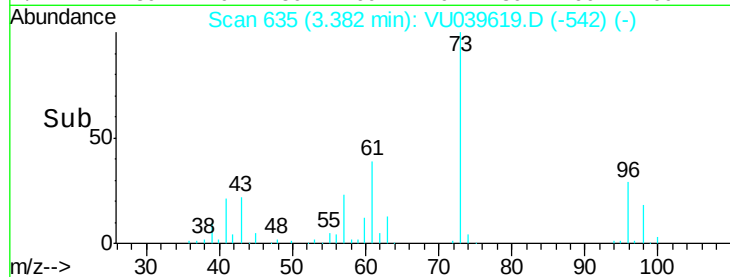
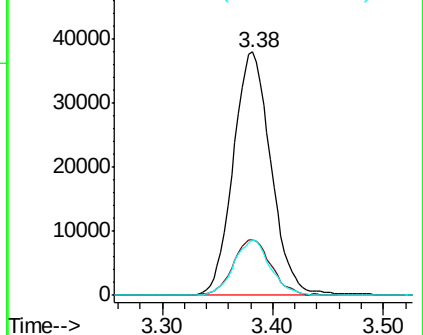
#17
Methyl tert-butyl Ether
Concen: 4.779 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU039619.D
Acq: 22 Jul 2020 09:35

Instrument :
MSVOA_U
ClientSampled :
BFB07

Tot Ion: 73 Resp: 90229
Ion Ratio Lower Upper
73 100
43 22.9 18.2 27.4
57 21.9 17.9 26.9

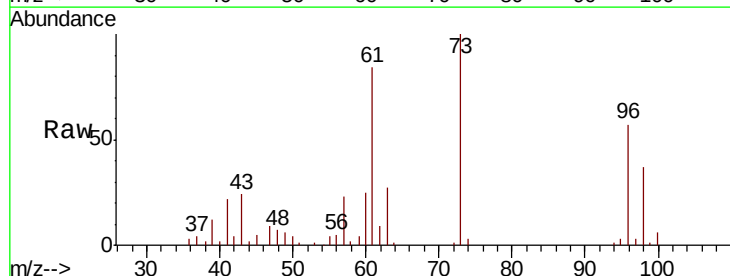


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

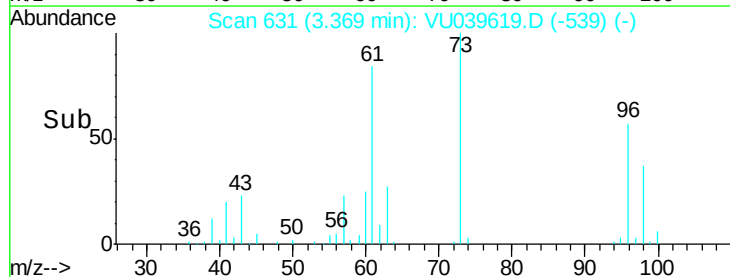
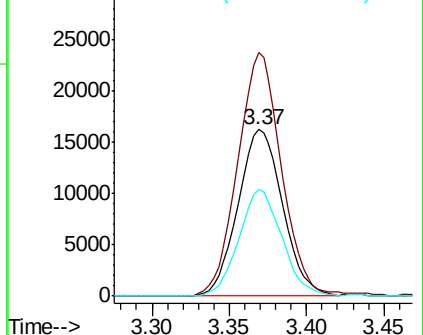


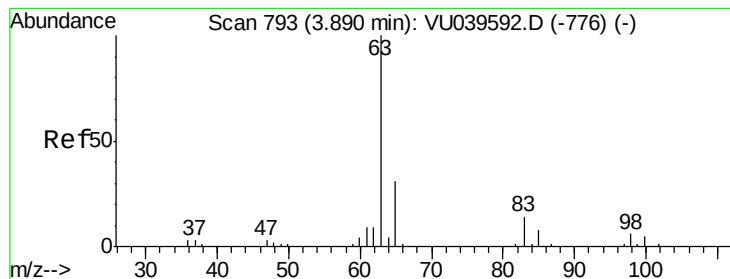
#18
trans-1,2-Dichloroethene
Concen: 4.948 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU039619.D
Acq: 22 Jul 2020 09:35

Tgt Ion: 96 Resp: 32639
Ion Ratio Lower Upper
96 100
61 146.1 106.5 197.9
98 64.0 45.2 84.0



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: 4.682 ug/L

RT: 3.89 min Scan# 793

Delta R.T. -0.00 min

Lab File: VU039619.D

Acq: 22 Jul 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

BFB07

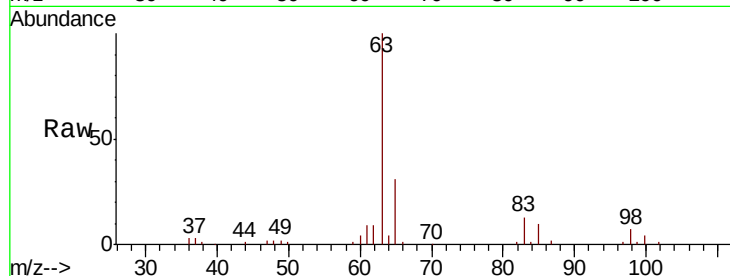
Tot Ion: 63 Resp: 63341

Ion Ratio Lower Upper

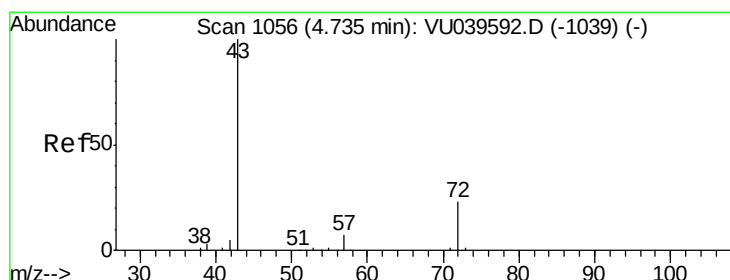
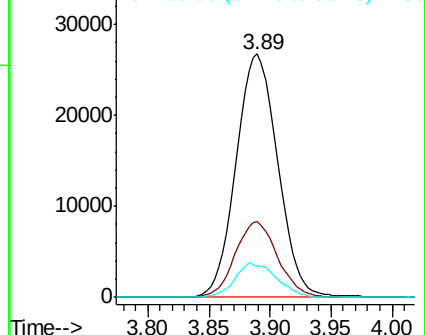
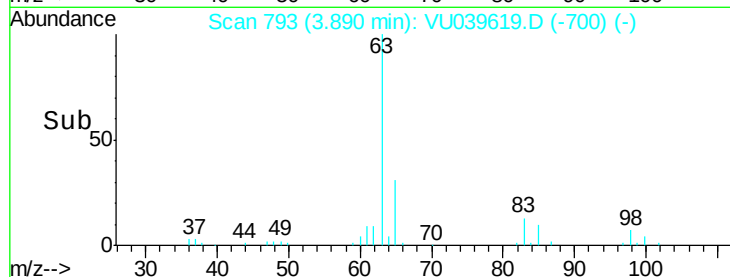
63 100

65 31.3 21.8 40.4

83 12.8 10.2 19.0



Abundance Ion 63.10 (62.80 to 63.80): VU039619.D (-700) (-)



#21

2-Butanone

Concen: 47.973 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VU039619.D

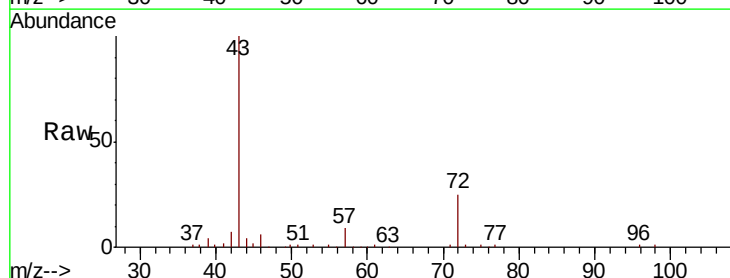
Acq: 22 Jul 2020 09:35

Tgt Ion: 43 Resp: 121632

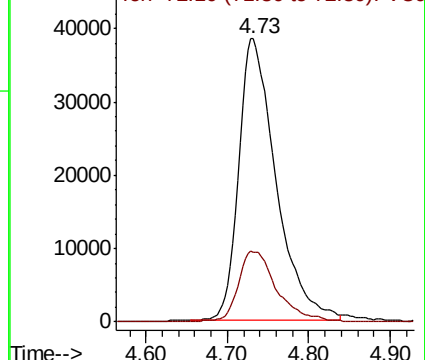
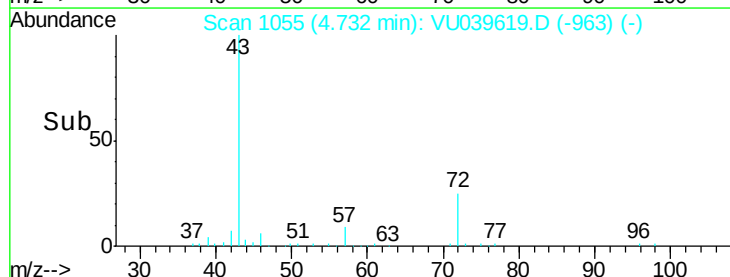
Ion Ratio Lower Upper

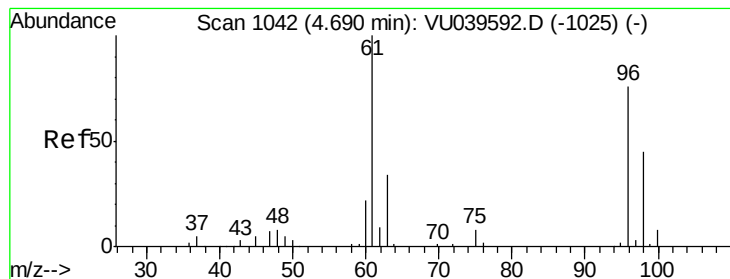
43 100

72 26.1 12.2 36.4



Abundance Ion 43.05 (42.75 to 43.75): VU039619.D (-963) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.816 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.01 min

Lab File: VU039619.D

Acq: 22 Jul 2020 09:35

Instrument :

MSVOA_U

ClientSampled :

BFB07

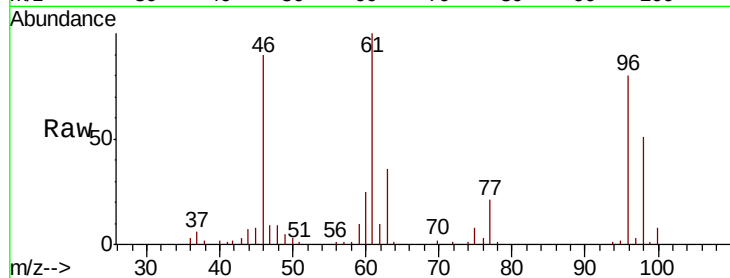
Tot Ion: 96 Resp: 37005

Ion Ratio Lower Upper

96 100

61 125.5 93.0 172.8

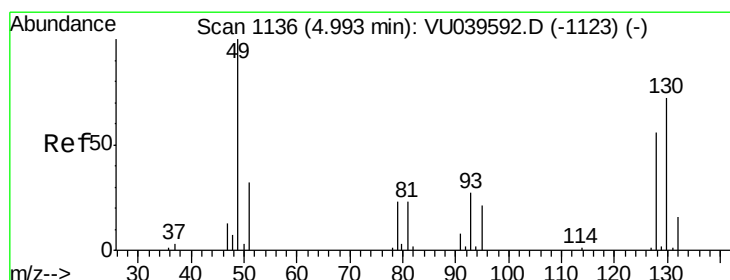
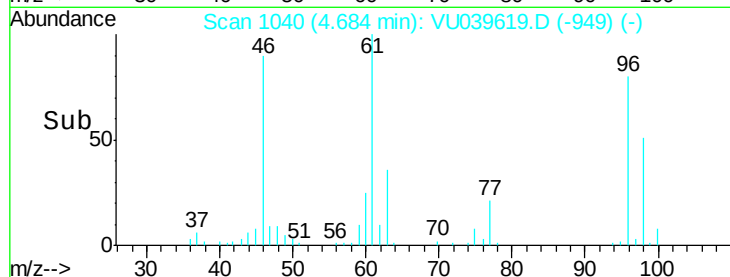
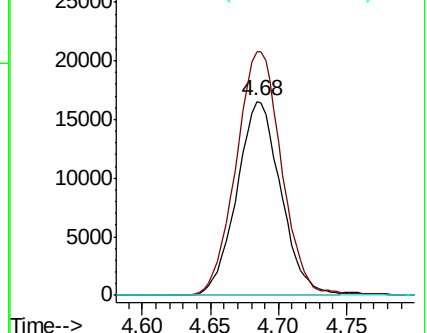
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039619.D (-1043) (-)

Ion 61.05 (60.75 to 61.75): VU039619.D (-1043) (-)

Ion 68.15 (67.85 to 68.85): VU039619.D (-1043) (-)



#23

Bromochloromethane

Concen: 4.779 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU039619.D

Acq: 22 Jul 2020 09:35

Tgt Ion:128 Resp: 17054

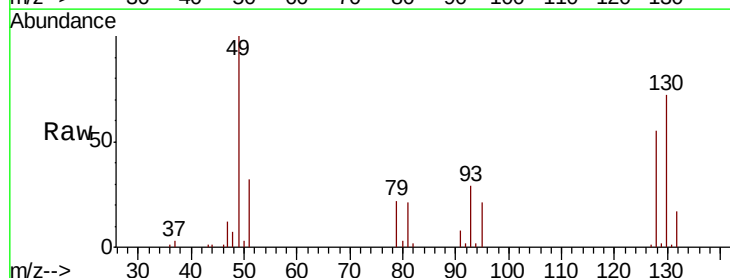
Ion Ratio Lower Upper

128 100

49 180.9 123.1 228.7

130 129.6 83.2 154.4

51 57.3 46.2 69.2

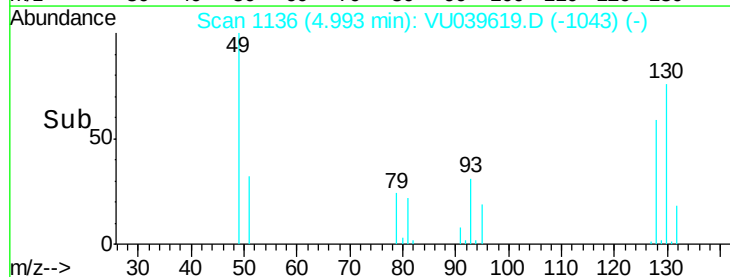
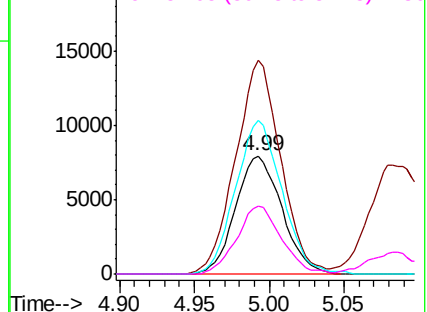


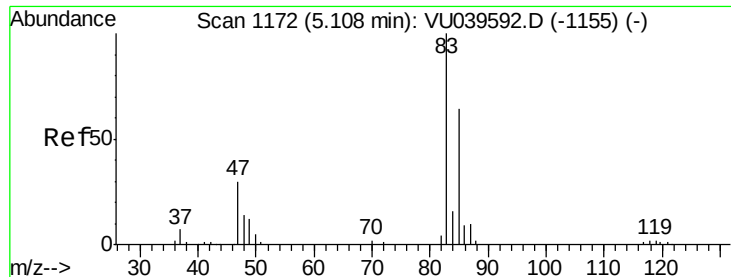
Abundance Ion 127.90 (127.60 to 128.60): VU039619.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU039619.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU039619.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU039619.D (-1043) (-)

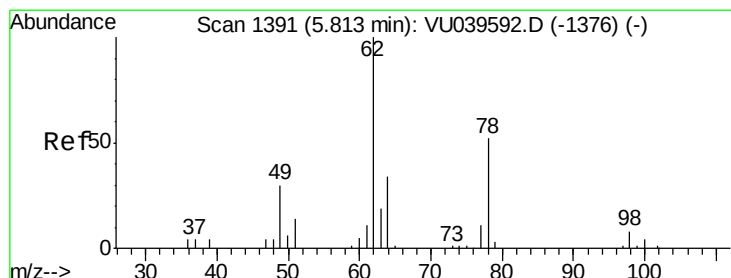
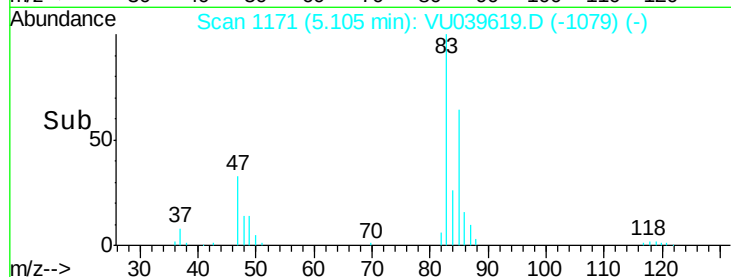
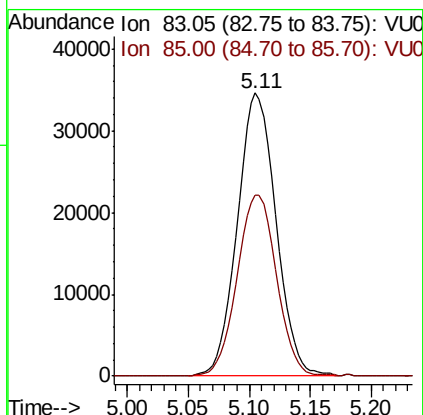
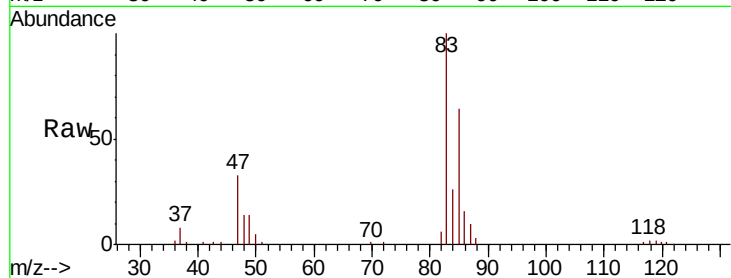




#25
Chloroform
Concen: 4.915 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039619.D
Acq: 22 Jul 2020 09:35

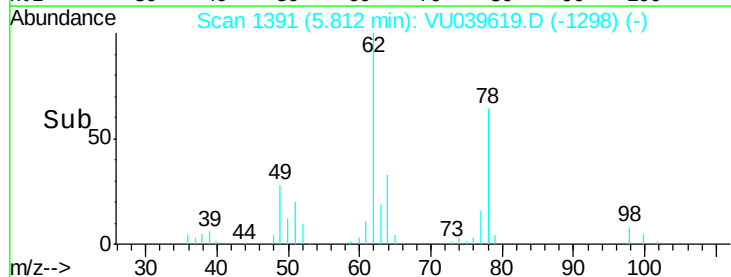
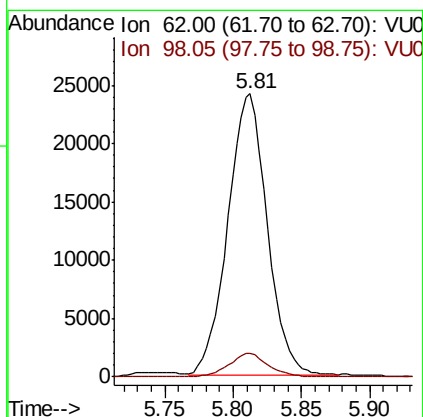
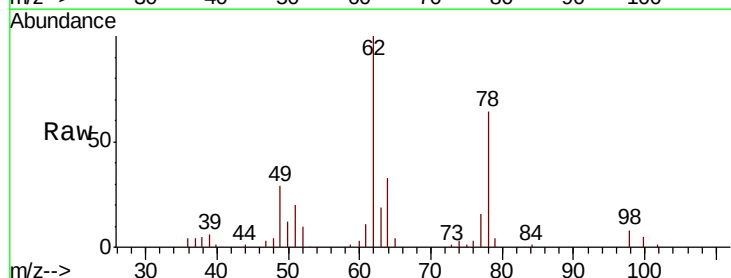
Instrument :
MSVOA_U
ClientSampleId :
BFB07

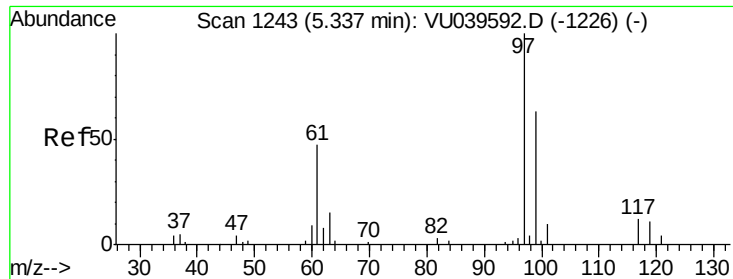
Tot Ion: 83 Resp: 75814
Ion Ratio Lower Upper
83 100
85 63.9 44.4 82.5



#27
1,2-Dichloroethane
Concen: 4.587 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039619.D
Acq: 22 Jul 2020 09:35

Tgt Ion: 62 Resp: 48118
Ion Ratio Lower Upper
62 100
98 8.4 6.7 10.1

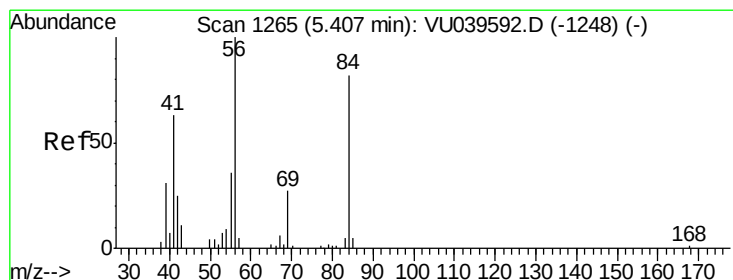
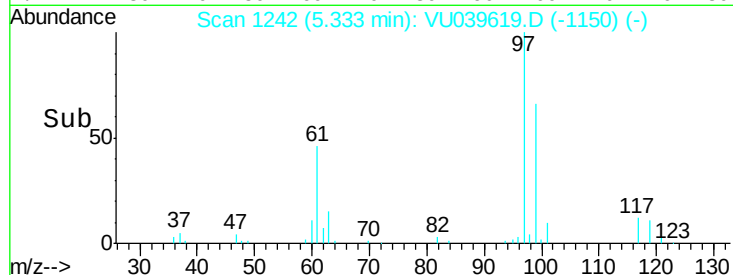
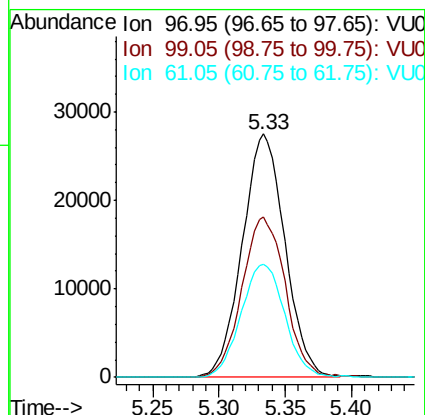
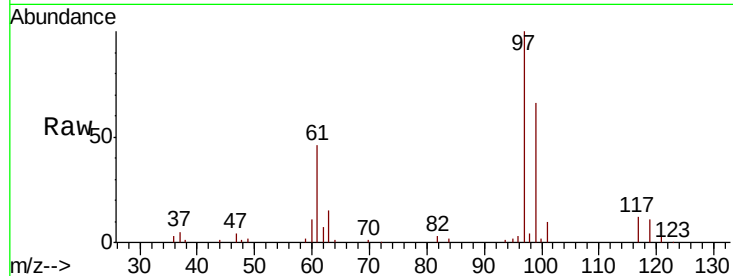




#29
 1,1,1-Trichloroethane
 Concen: 4.730 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU039619.D
 Acq: 22 Jul 2020 09:35

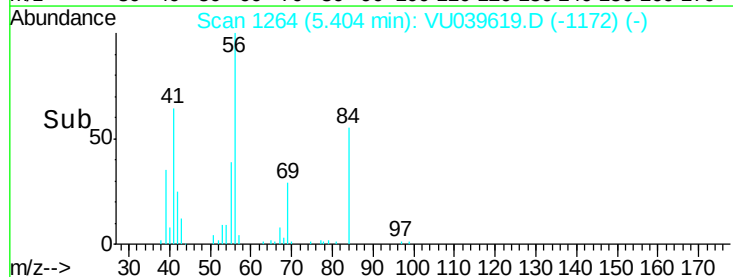
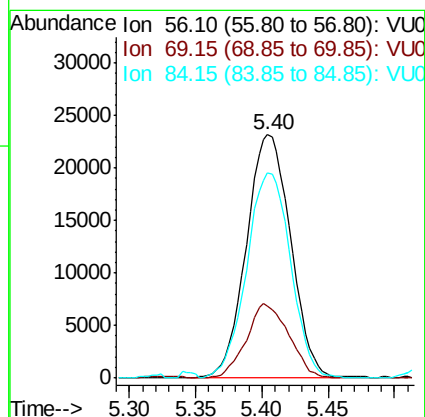
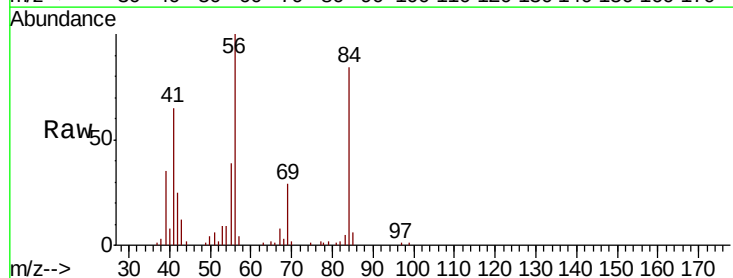
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB07

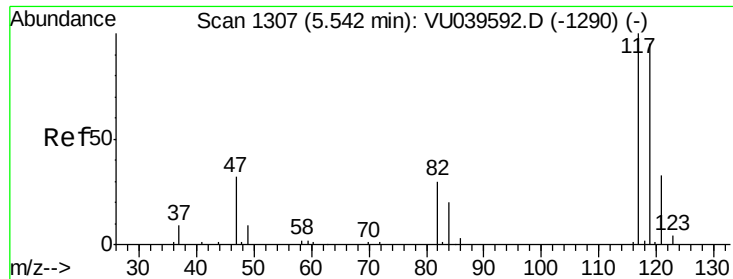
Tot Ion: 97 Resp: 61513
 Ion Ratio Lower Upper
 97 100
 99 67.1 49.5 74.3
 61 47.7 38.8 58.2



#30
 Cyclohexane
 Concen: 4.705 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU039619.D
 Acq: 22 Jul 2020 09:35

Tgt Ion: 56 Resp: 53896
 Ion Ratio Lower Upper
 56 100
 69 29.2 24.0 36.0
 84 83.8 69.8 104.6





#31

Carbon tetrachloride

Concen: 4.746 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU039619.D

Acq: 22 Jul 2020 09:35

Instrument :

MSVOA_U

ClientSampled :

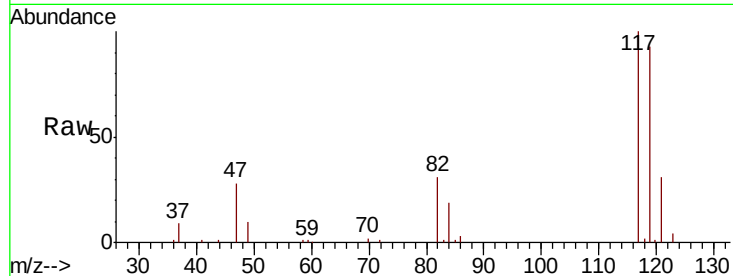
BFB07

Tot Ion:117 Resp: 52809

Ion Ratio Lower Upper

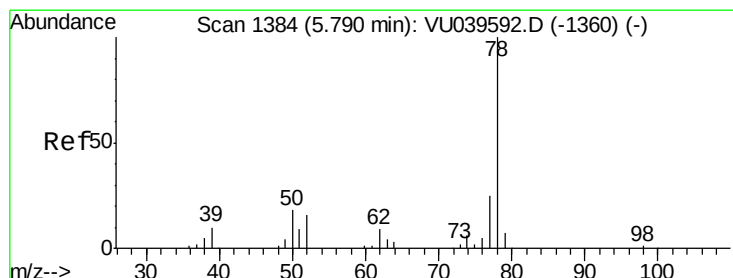
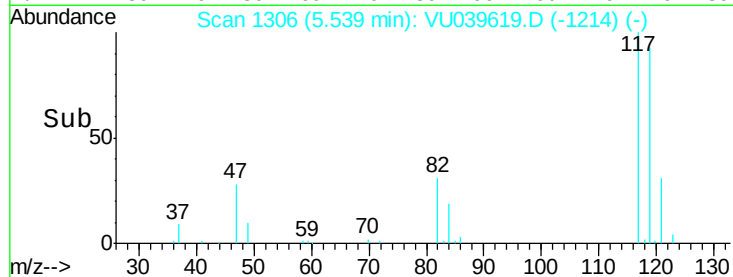
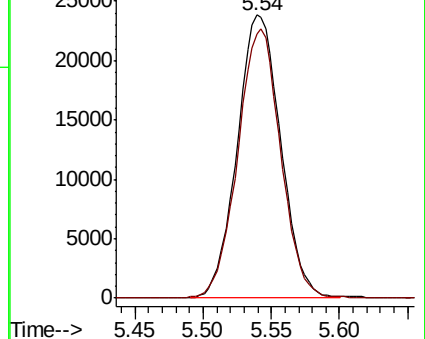
117 100

119 93.7 75.7 113.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.717 ug/L

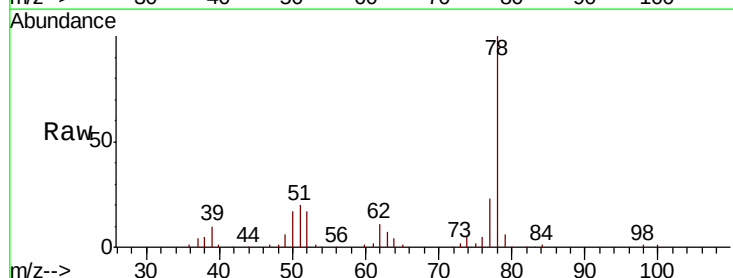
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

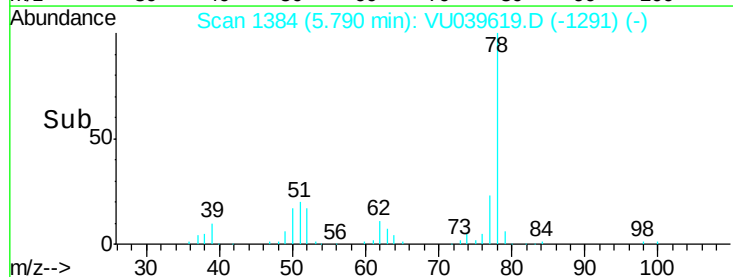
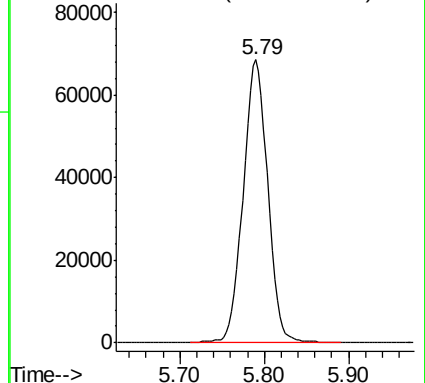
Lab File: VU039619.D

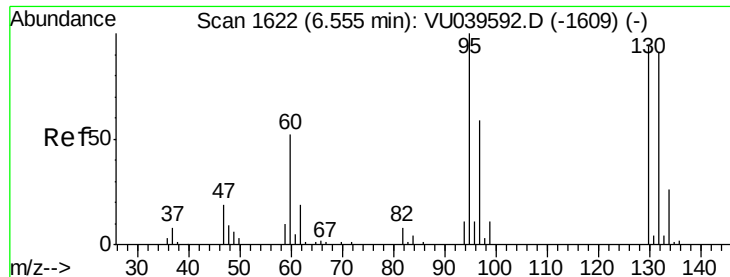
Acq: 22 Jul 2020 09:35

Tgt Ion: 78 Resp: 139532



Abundance Ion 78.10 (77.80 to 78.80): VU0

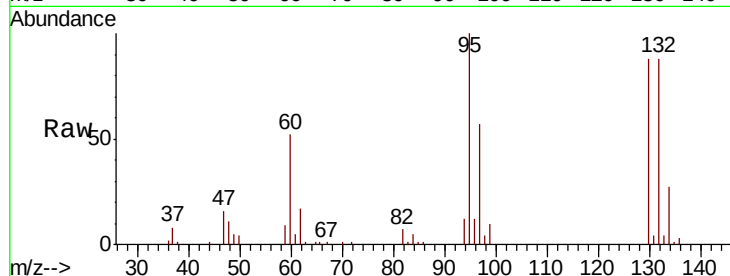




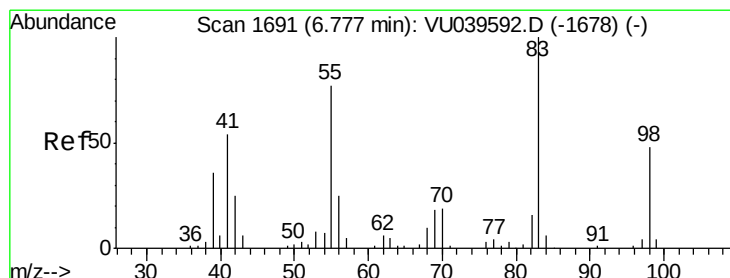
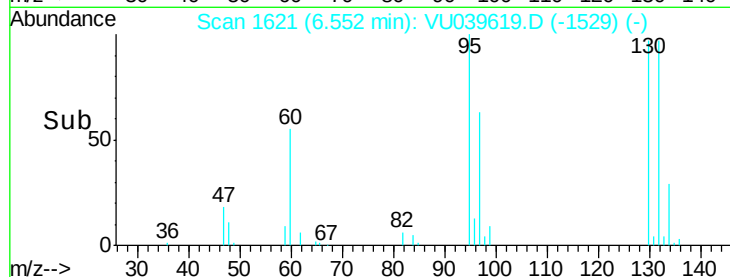
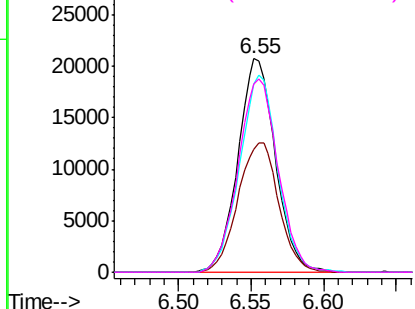
#34
 Trichloroethene
 Concen: 4.574 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU039619.D
 Acq: 22 Jul 2020 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB07

Tot Ion: 95 Resp: 37260
 Ion Ratio Lower Upper
 95 100
 97 57.5 44.9 83.3
 132 88.4 62.8 116.6
 130 88.1 61.5 114.1

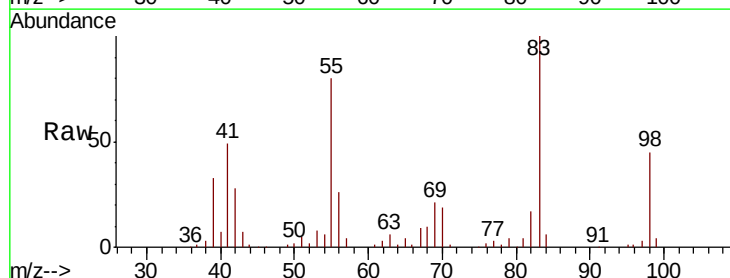


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

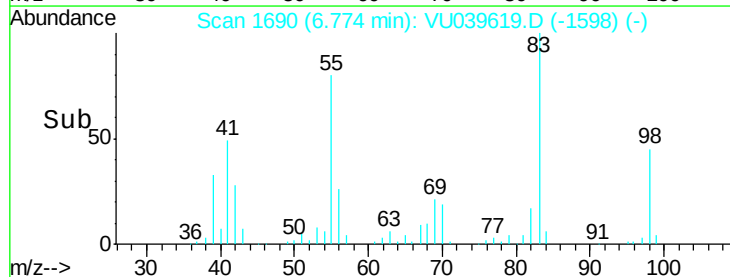
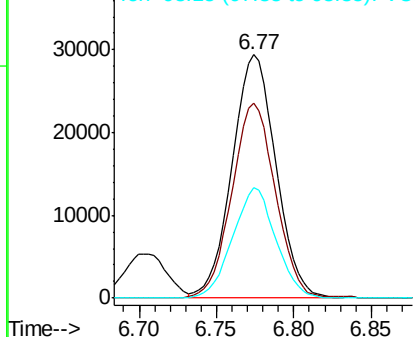


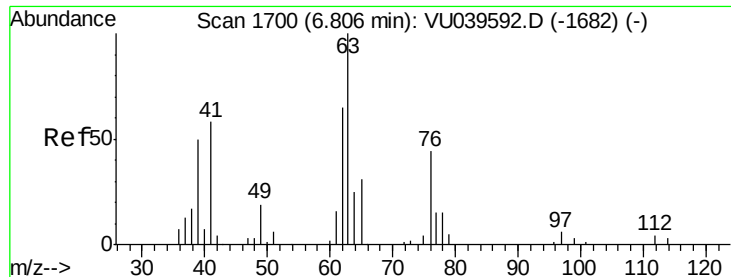
#35
 Methylcyclohexane
 Concen: 4.842 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU039619.D
 Acq: 22 Jul 2020 09:35

Tgt Ion: 83 Resp: 57949
 Ion Ratio Lower Upper
 83 100
 55 79.7 63.0 94.6
 98 44.6 35.3 52.9



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

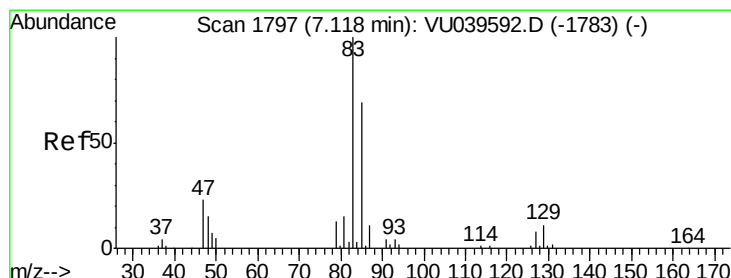
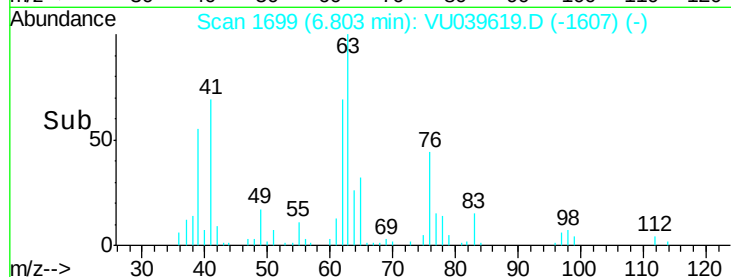
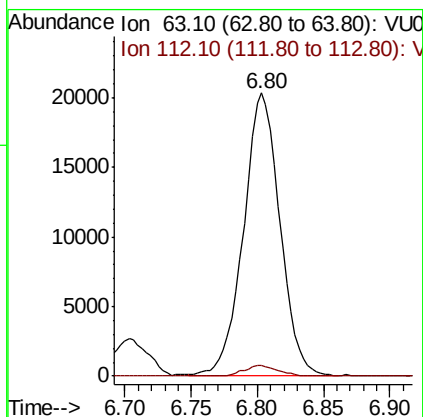
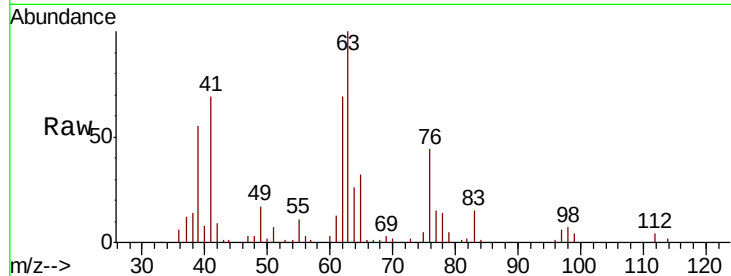




#37
 1,2-Dichloropropane
 Concen: 4.737 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU039619.D
 Acq: 22 Jul 2020 09:35

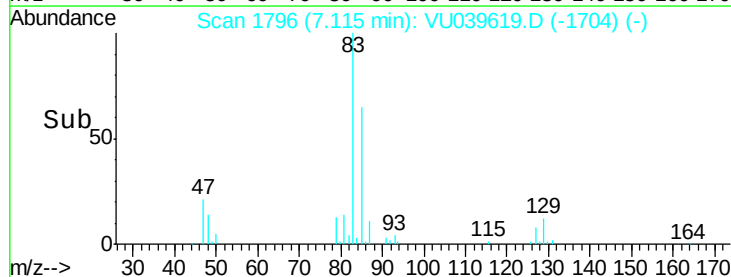
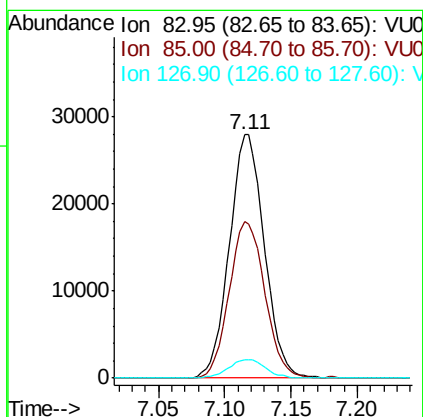
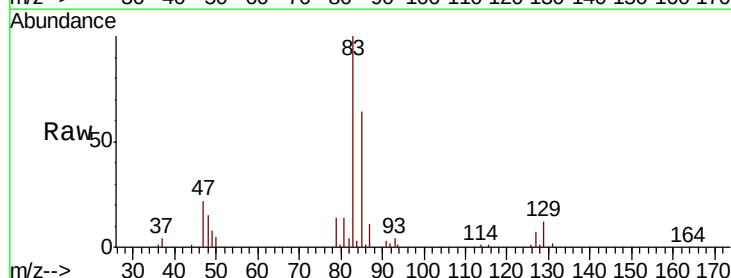
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB07

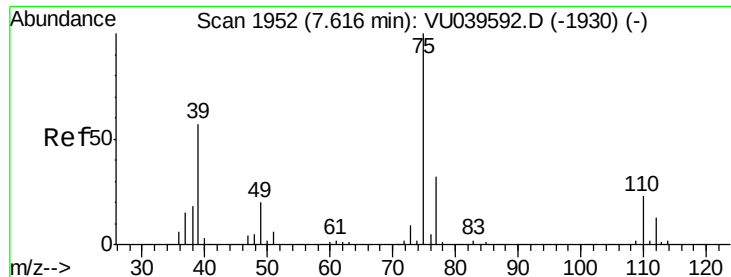
Tot Ion: 63 Resp: 39000
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.7 4.1



#38
 Bromodichloromethane
 Concen: 4.728 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU039619.D
 Acq: 22 Jul 2020 09:35

Tgt Ion: 83 Resp: 51215
 Ion Ratio Lower Upper
 83 100
 85 64.1 46.6 86.6
 127 7.4 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 4.756 ug/L

RT: 7.62 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VU039619.D

Acq: 22 Jul 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

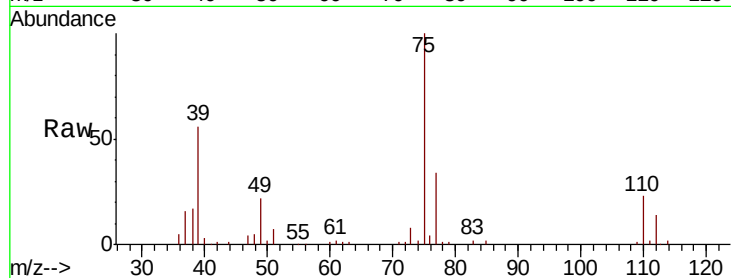
BFB07

Tot Ion: 75 Resp: 56241

Ion Ratio Lower Upper

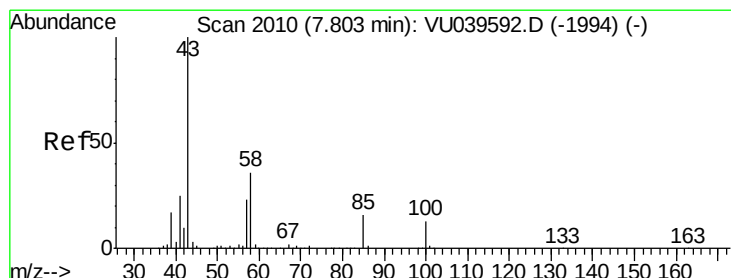
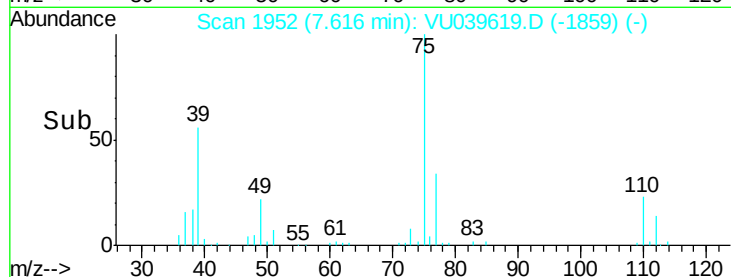
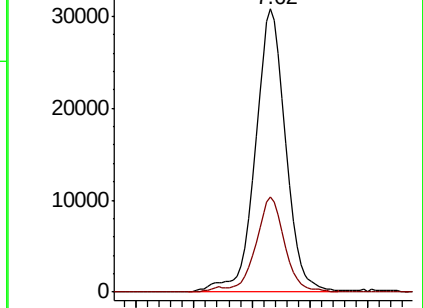
75 100

77 33.5 23.2 43.0



Abundance Ion 75.05 (74.75 to 75.75): VU039592.D (-1930) (-)

Ion 77.05 (76.75 to 77.75): VU039592.D (-1930) (-)



#40

4-Methyl-2-pentanone

Concen: 47.372 ug/L

RT: 7.80 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU039619.D

Acq: 22 Jul 2020 09:35

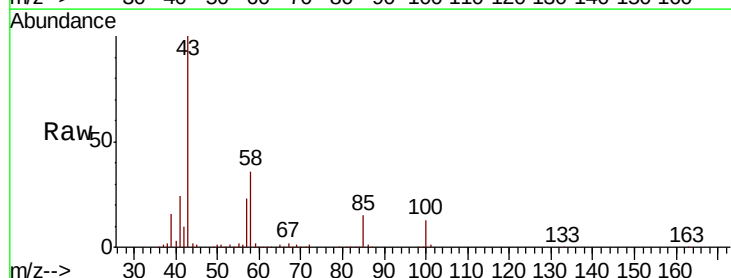
Tgt Ion: 43 Resp: 304414

Ion Ratio Lower Upper

43 100

58 36.3 29.2 43.8

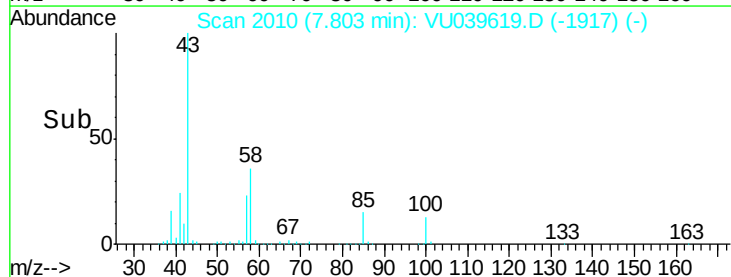
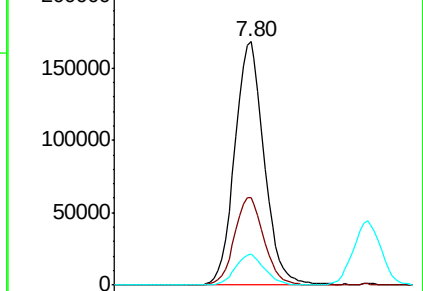
100 12.7 10.5 15.7

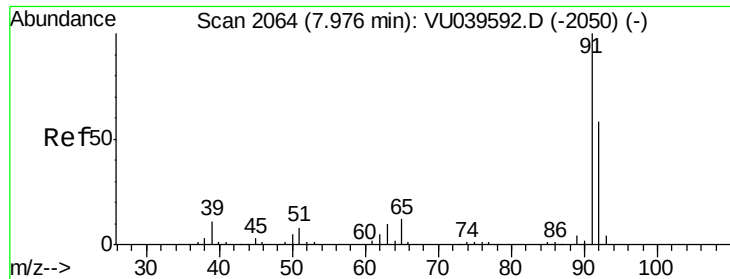


Abundance Ion 43.05 (42.75 to 43.75): VU039592.D (-1994) (-)

Ion 58.05 (57.75 to 58.75): VU039592.D (-1994) (-)

Ion 100.15 (99.85 to 100.85): VU039592.D (-1994) (-)





#42

Toluene

Concen: 4.840 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039619.D

Acq: 22 Jul 2020 09:35

Instrument :

MSVOA_U

ClientSampled :

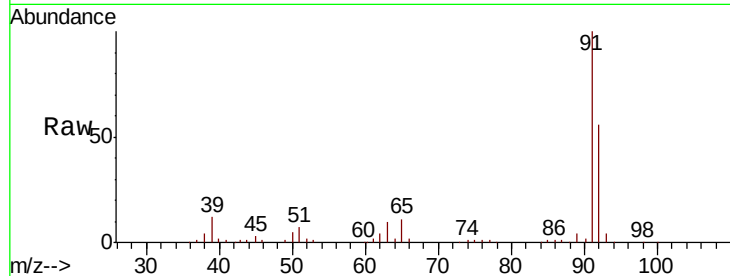
BFB07

Tot Ion: 91 Resp: 156738

Ion Ratio Lower Upper

91 100

92 55.9 38.6 71.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

100000

80000

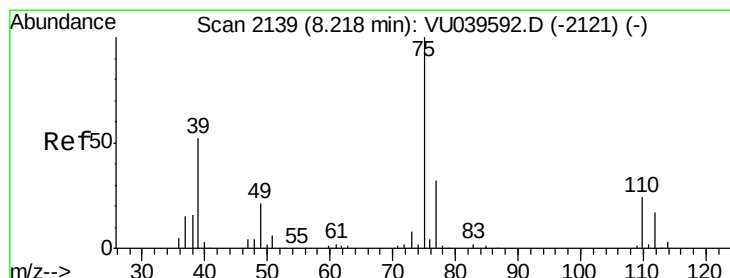
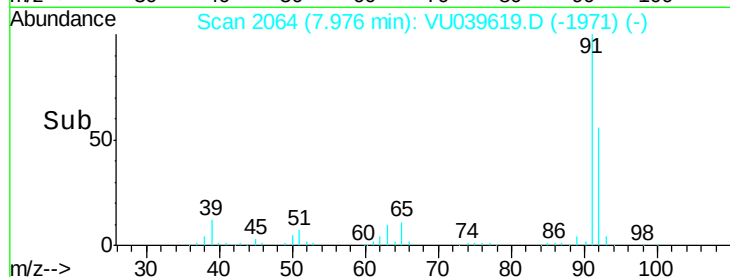
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.705 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039619.D

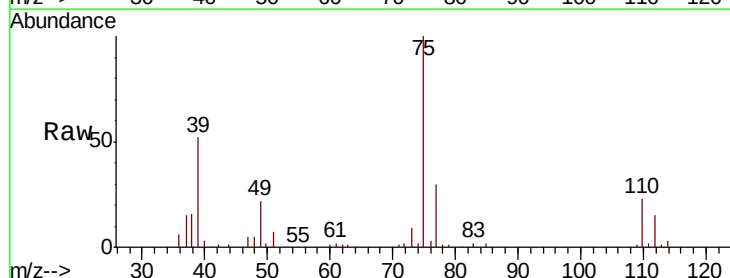
Acq: 22 Jul 2020 09:35

Tgt Ion: 75 Resp: 50810

Ion Ratio Lower Upper

75 100

77 30.1 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.22

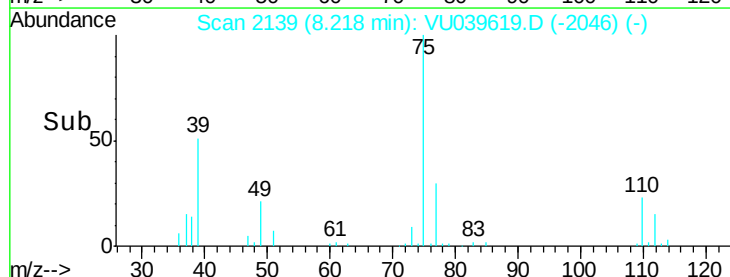
30000

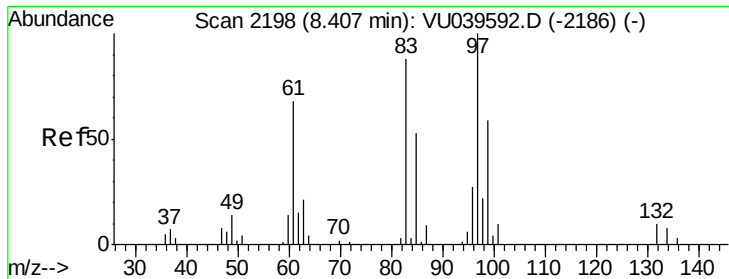
20000

10000

0

Time-->

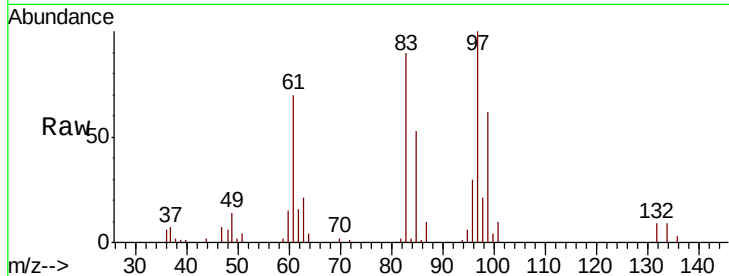




#45
 1,1,2-Trichloroethane
 Concen: 4.635 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU039619.D
 Acq: 22 Jul 2020 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB07

Tot Ion:	97	Resp:	28966
Ion	Ratio	Lower	Upper
97	100		
99	61.6	45.2	84.0
83	90.0	64.9	120.5
85	52.6	41.4	77.0



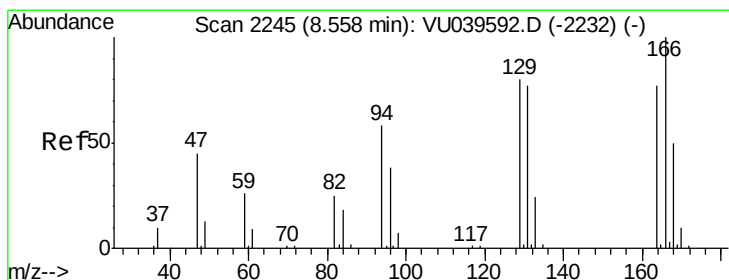
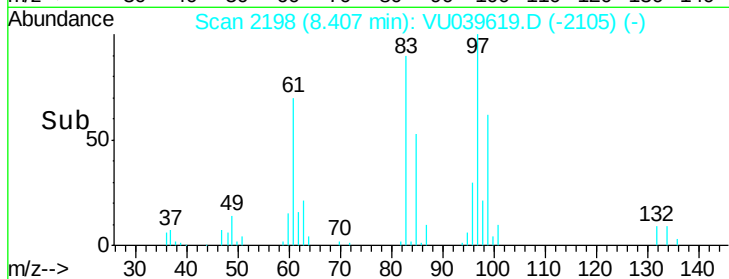
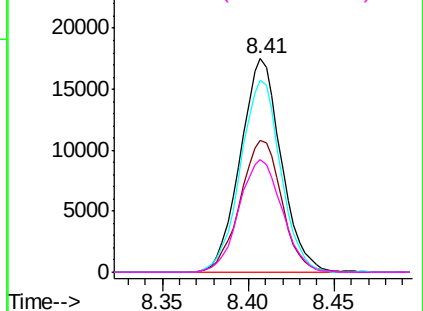
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

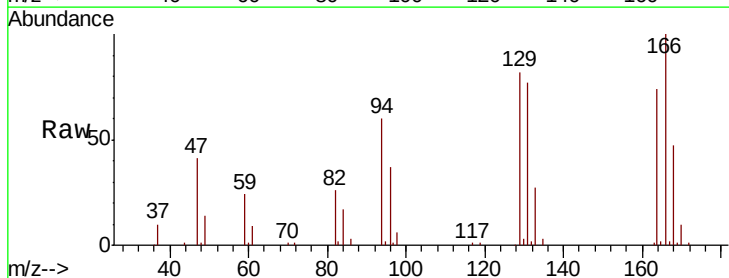
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 4.790 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU039619.D
 Acq: 22 Jul 2020 09:35

Tgt Ion:	164	Resp:	26691
Ion	Ratio	Lower	Upper
164	100		
129	110.8	67.9	126.1
131	104.2	64.7	120.1
166	135.8	85.1	158.1



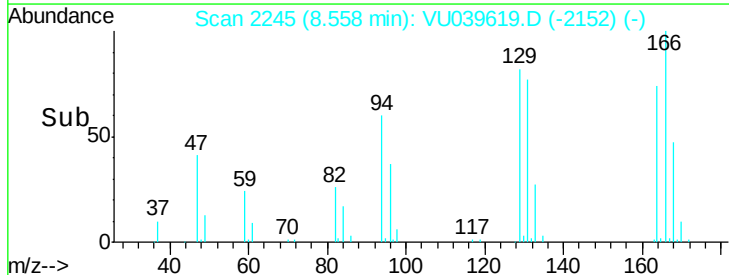
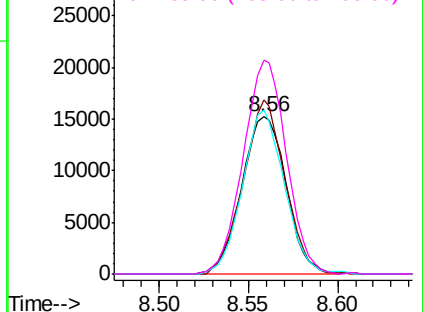
Abundance

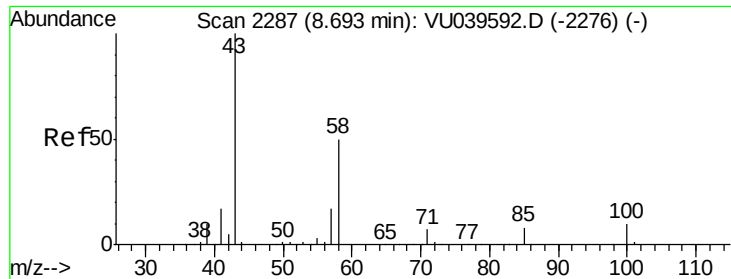
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

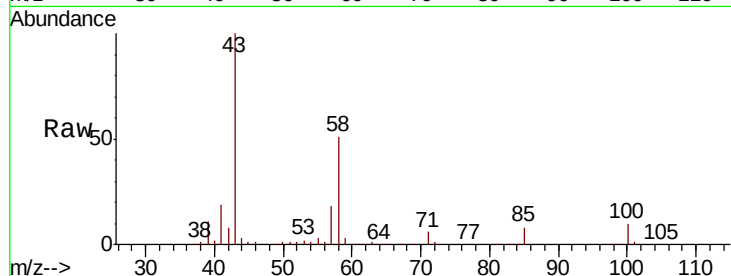




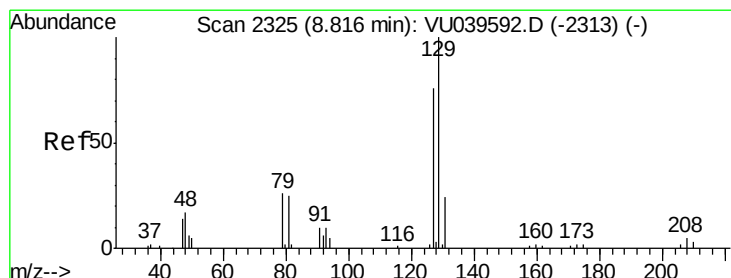
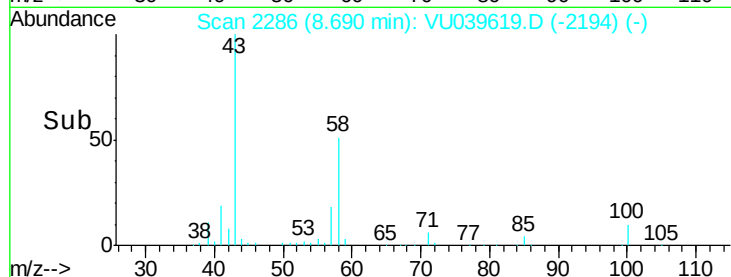
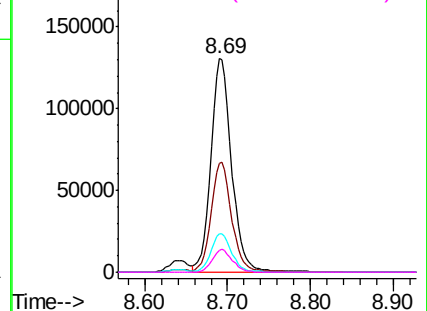
#48
2-Hexanone
Concen: 48.373 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039619.D
Acq: 22 Jul 2020 09:35

Instrument :
MSVOA_U
ClientSampled :
BFB07

Tot Ion: 43 Resp: 230083
Ion Ratio Lower Upper
43 100
58 50.8 40.9 61.3
57 17.8 14.6 21.8
100 10.3 7.9 11.9

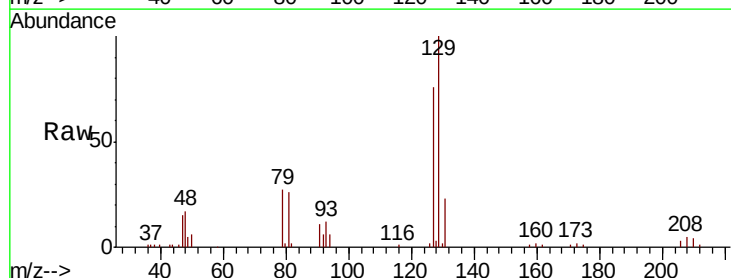


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

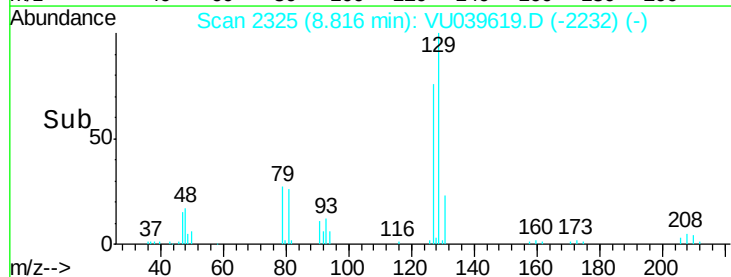
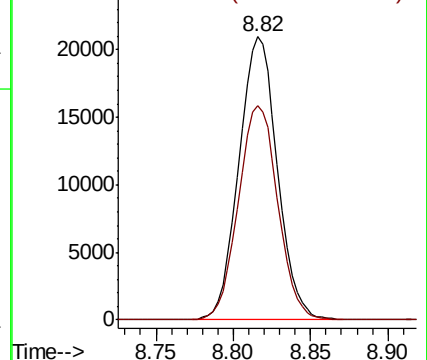


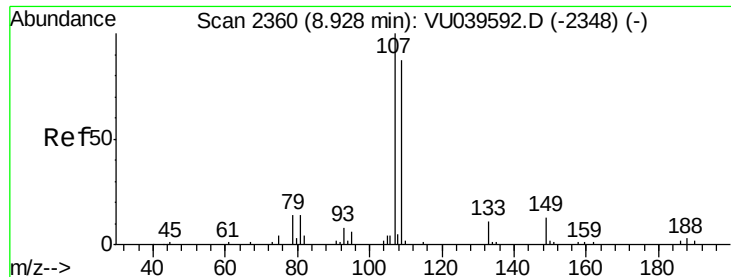
#49
Dibromochloromethane
Concen: 4.764 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039619.D
Acq: 22 Jul 2020 09:35

Tgt Ion: 129 Resp: 36196
Ion Ratio Lower Upper
129 100
127 75.7 53.8 99.8



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





#50

1,2-Dibromoethane

Concen: 4.653 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. -0.00 min

Lab File: VU039619.D

Acq: 22 Jul 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

BFB07

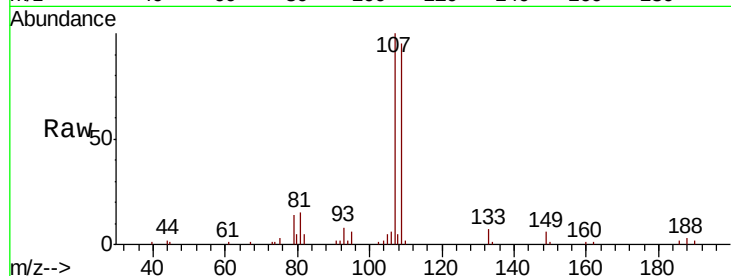
Tot Ion:107 Resp: 28495

Ion Ratio Lower Upper

107 100

109 94.7 66.1 122.7

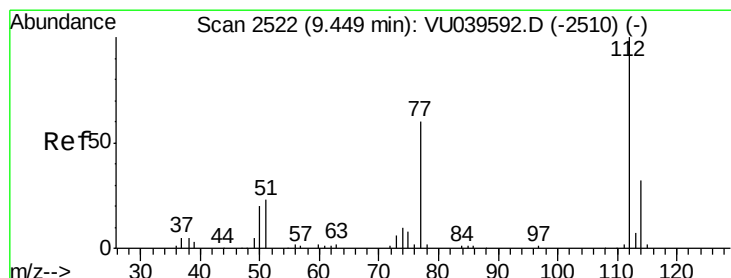
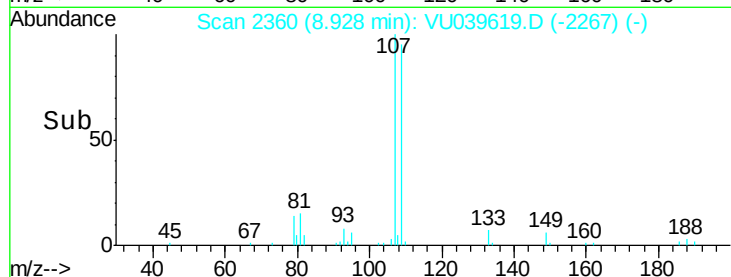
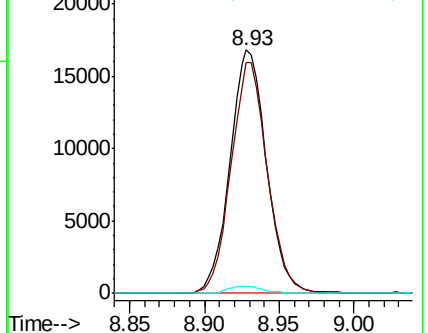
188 3.0 2.4 3.6



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: 4.957 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU039619.D

Acq: 22 Jul 2020 09:35

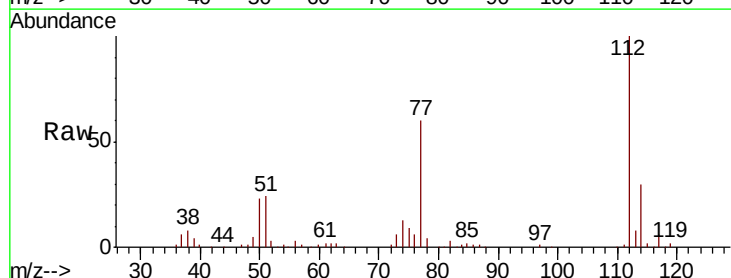
Tgt Ion:112 Resp: 102717

Ion Ratio Lower Upper

112 100

114 29.9 22.9 42.5

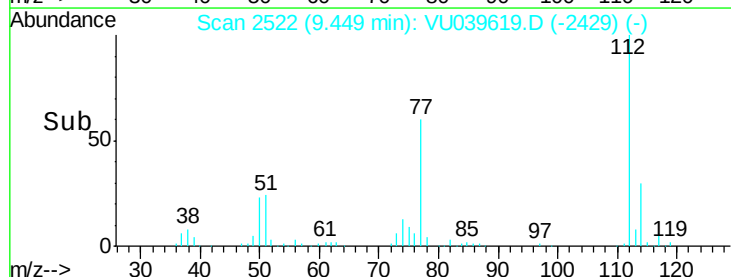
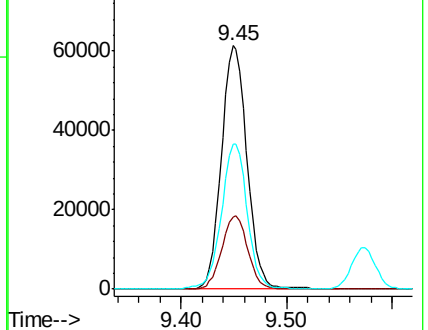
77 59.8 50.0 75.0

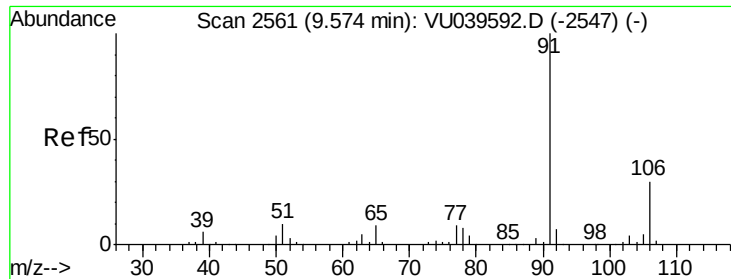


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0





#52

Ethylbenzene

Concen: 4.842 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039619.D

Acq: 22 Jul 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

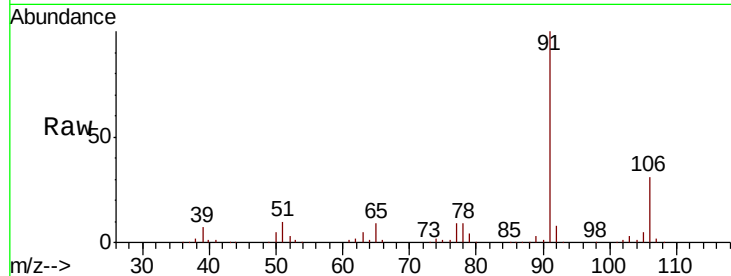
BFB07

Tot Ion: 91 Resp: 178336

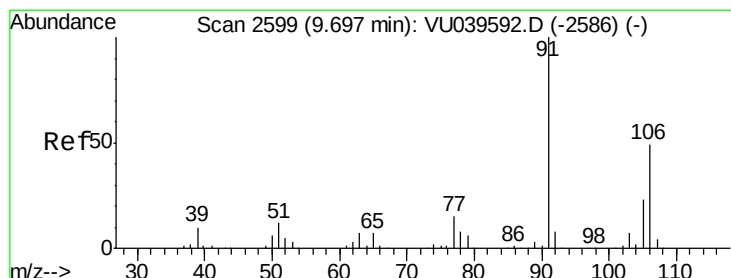
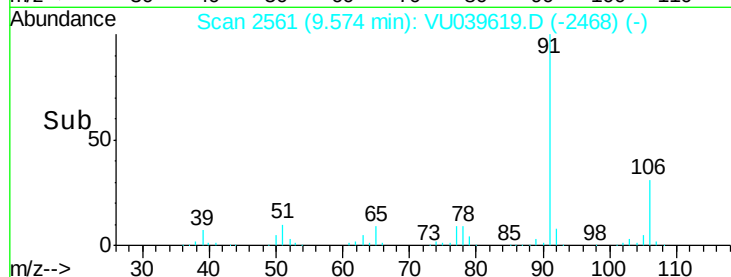
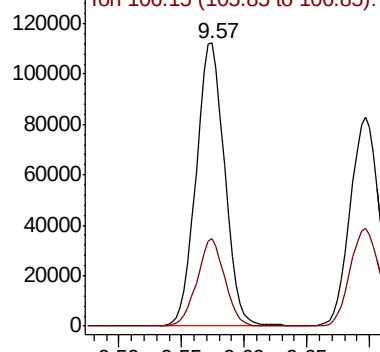
Ion Ratio Lower Upper

91 100

106 30.8 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039619.D (-2547) (-)



#53

m,p-Xylene

Concen: 4.722 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039619.D

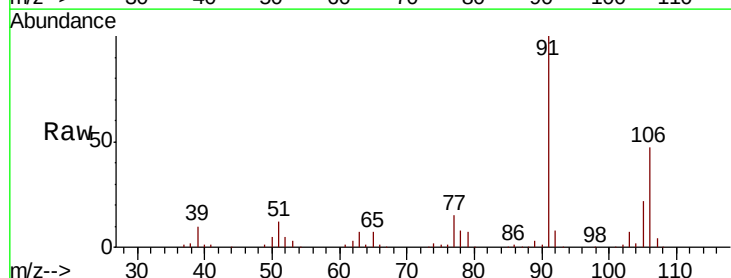
Acq: 22 Jul 2020 09:35

Tgt Ion: 106 Resp: 64898

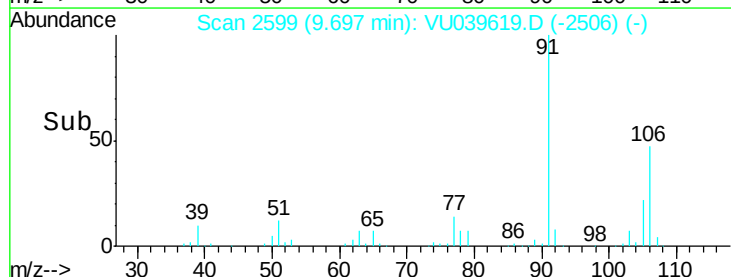
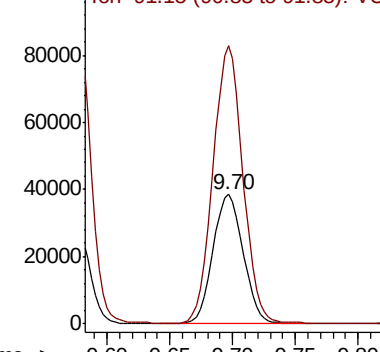
Ion Ratio Lower Upper

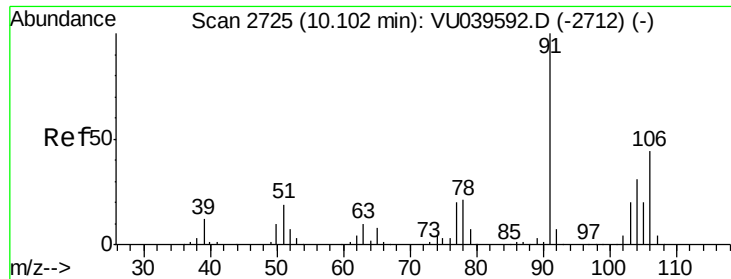
106 100

91 215.0 149.3 277.3



Abundance Ion 106.15 (105.85 to 106.85): VU039619.D (-2586) (-)

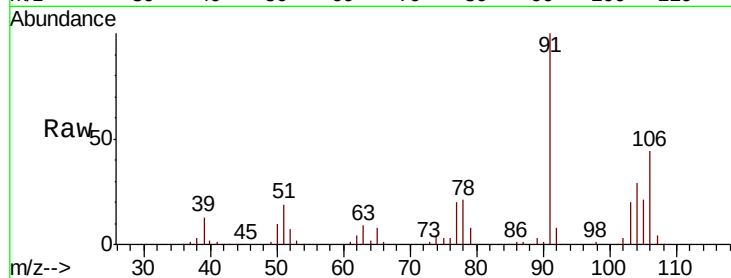




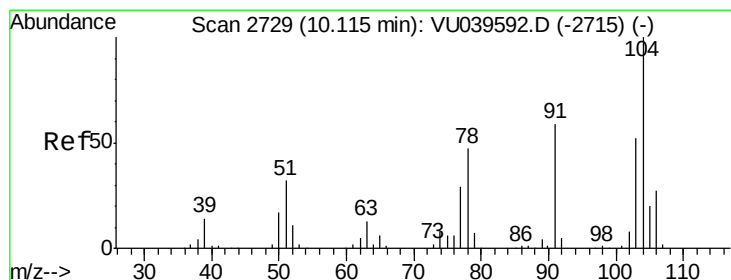
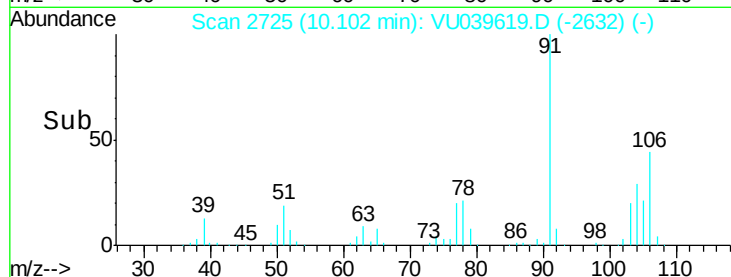
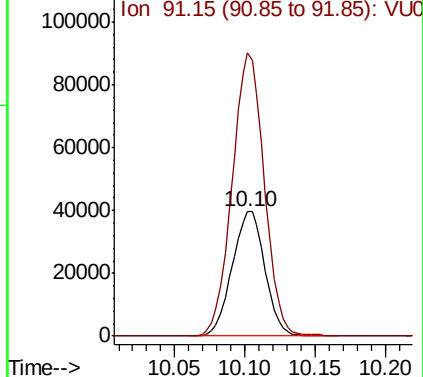
#54
o-Xylene
Concen: 4.804 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039619.D
Acq: 22 Jul 2020 09:35

Instrument :
MSVOA_U
ClientSampleId :
BFB07

Tot Ion:106 Resp: 64483
Ion Ratio Lower Upper
106 100
91 227.7 157.4 292.4

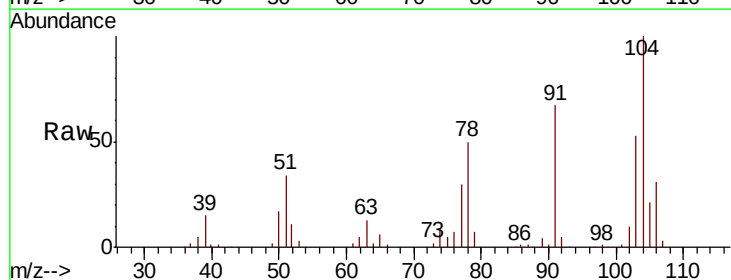


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

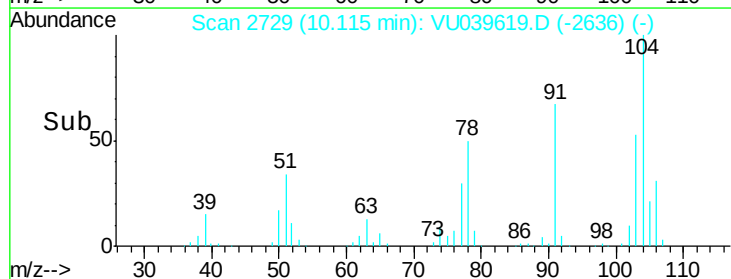
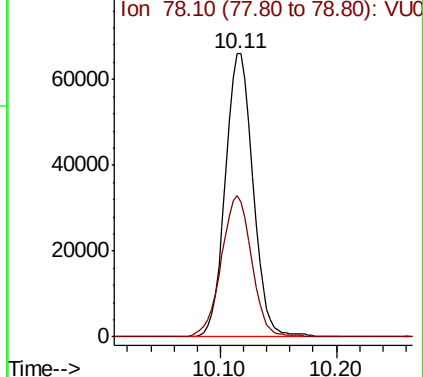


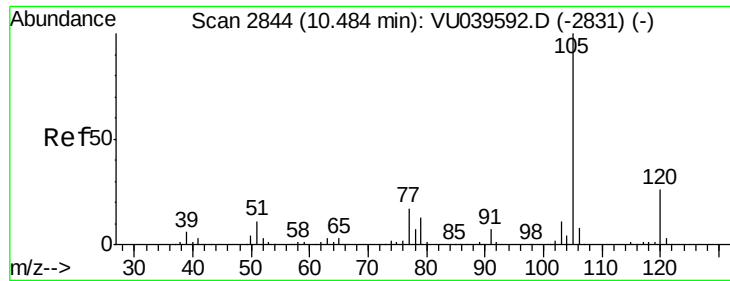
#55
Styrene
Concen: 4.840 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039619.D
Acq: 22 Jul 2020 09:35

Tgt Ion:104 Resp: 109087
Ion Ratio Lower Upper
104 100
78 49.8 34.4 64.0



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





#56

Isopropylbenzene

Concen: 4.866 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039619.D

Acq: 22 Jul 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

BFB07

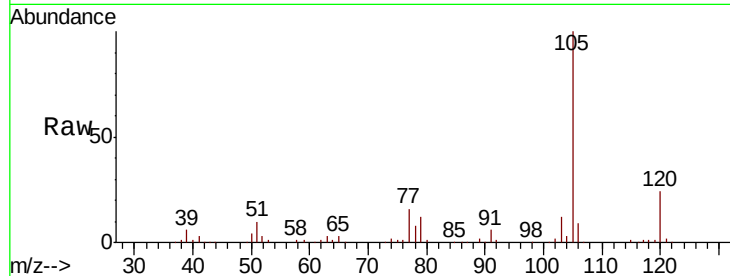
Tot Ion:105 Resp: 178311

Ion Ratio Lower Upper

105 100

120 25.0 20.9 31.3

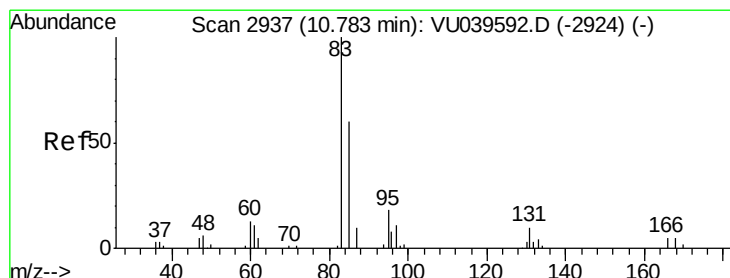
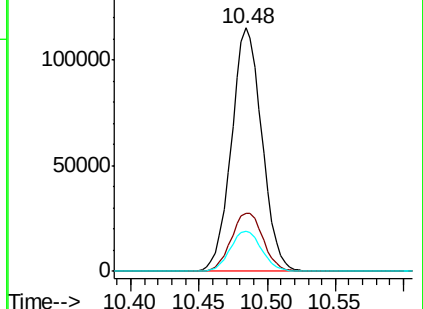
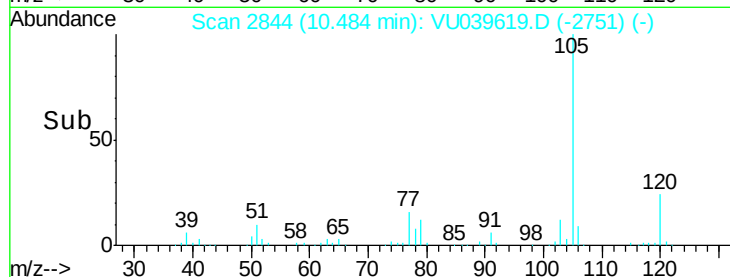
77 17.1 13.6 20.4



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: 4.747 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039619.D

Acq: 22 Jul 2020 09:35

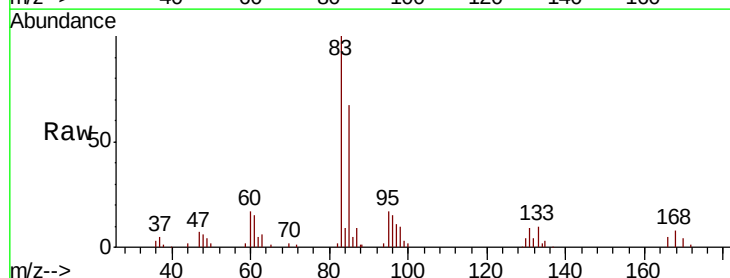
Tgt Ion: 83 Resp: 38360

Ion Ratio Lower Upper

83 100

85 66.8 43.5 80.9

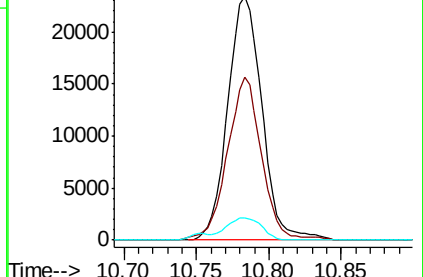
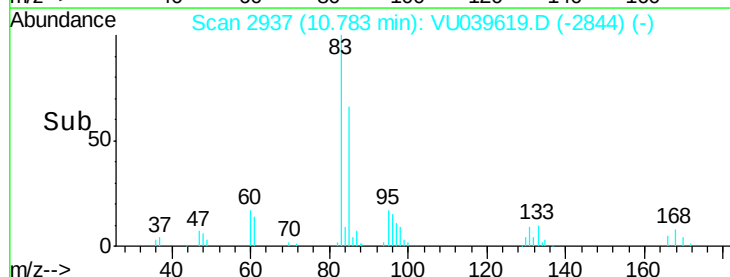
131 9.3 7.4 11.0

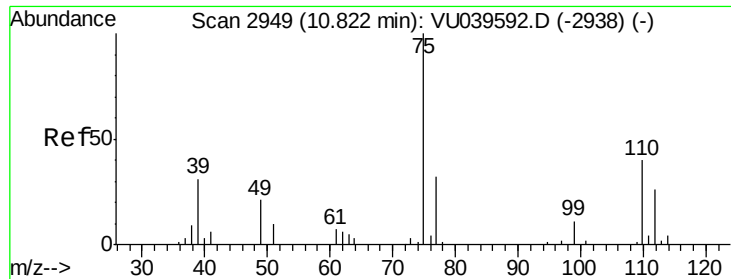


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.727 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039619.D

Acq: 22 Jul 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

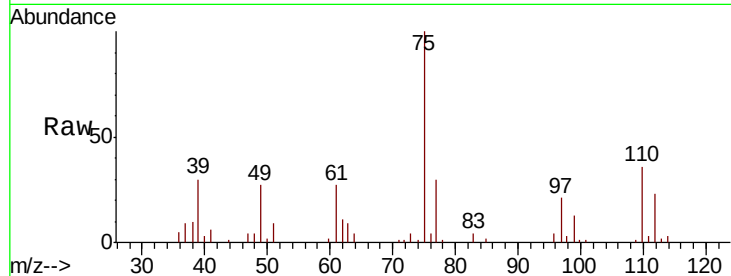
BFB07

Tot Ion: 75 Resp: 28542

Ion Ratio Lower Upper

75 100

77 31.3 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU039592.D (-2938) (-)

Ion 77.00 (76.70 to 77.70): VU039592.D (-2938) (-)

10.82

20000

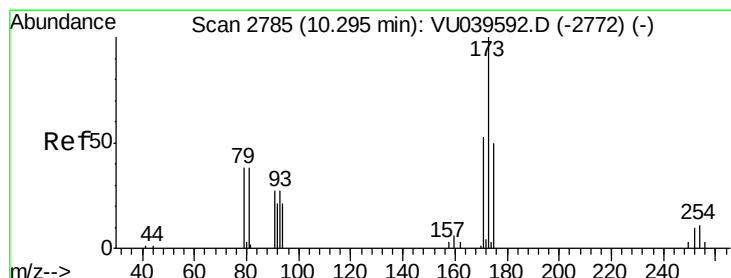
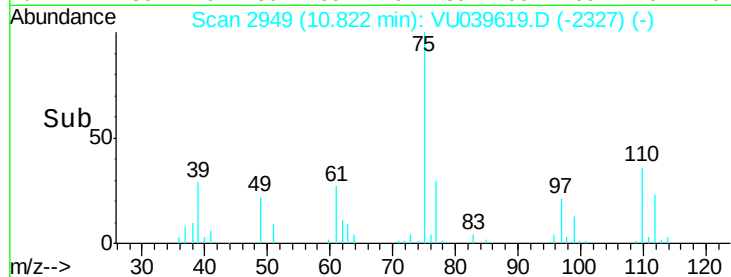
15000

10000

5000

0

Time-->



#61

Bromoform

Concen: 4.634 ug/L

RT: 10.29 min Scan# 2785

Delta R.T. -0.00 min

Lab File: VU039619.D

Acq: 22 Jul 2020 09:35

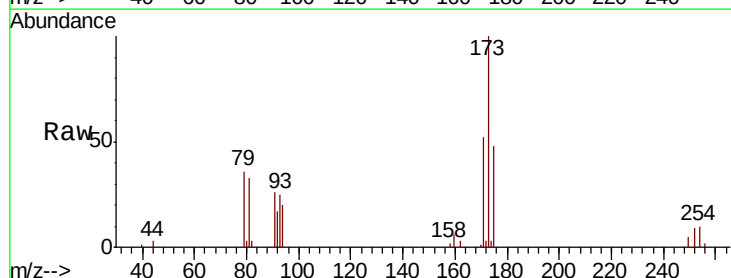
Tgt Ion: 173 Resp: 20146

Ion Ratio Lower Upper

173 100

175 50.3 39.9 59.9

254 9.6 6.5 9.7



Abundance Ion 172.90 (172.60 to 173.60): VU039592.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU039592.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU039592.D (-2772) (-)

10.29

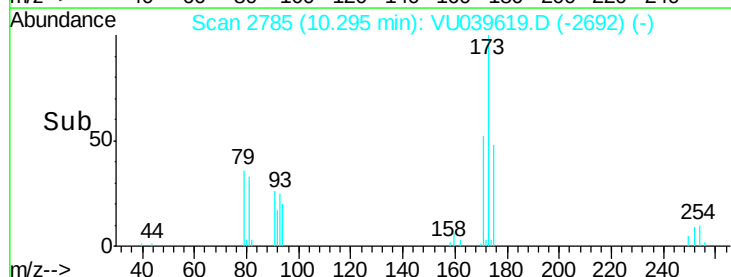
15000

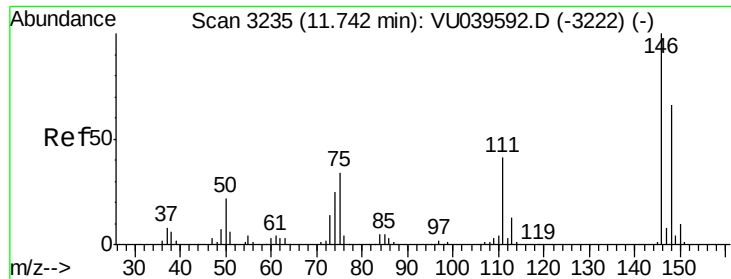
10000

5000

0

Time-->

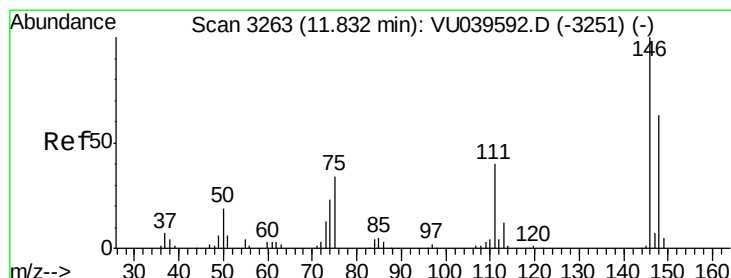
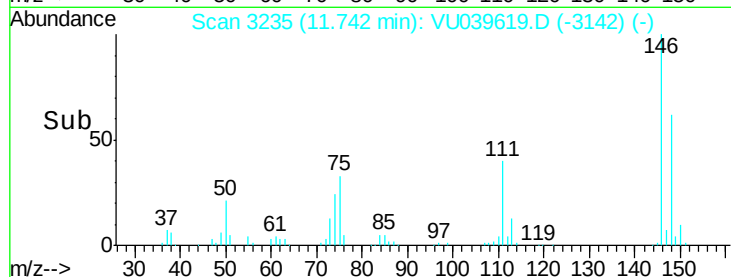
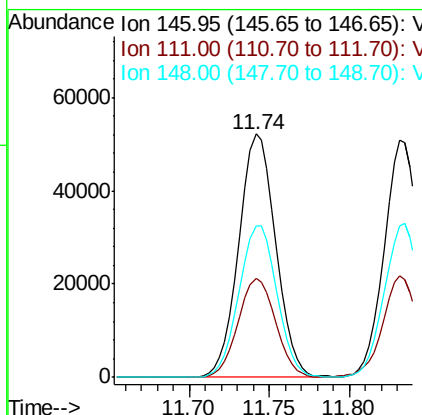
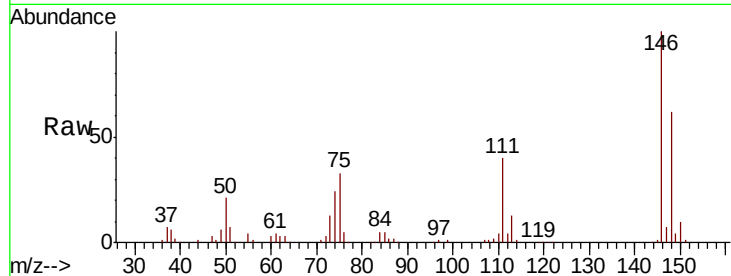




#62
 1,3-Dichlorobenzene
 Concen: 4.915 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039619.D
 Acq: 22 Jul 2020 09:35

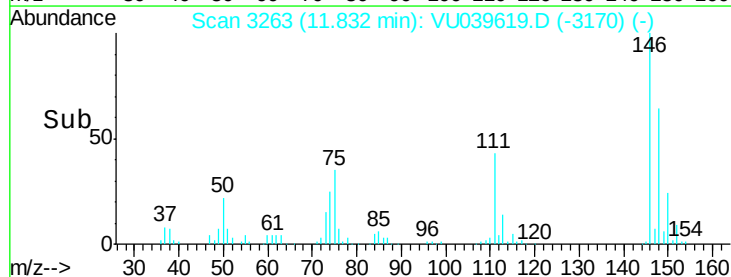
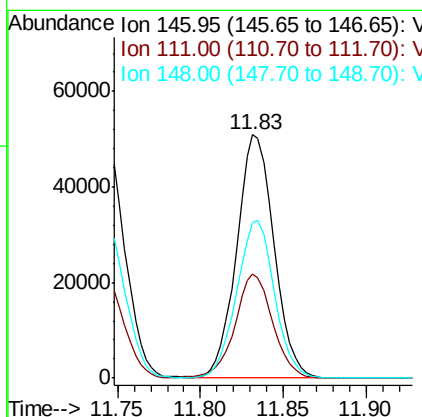
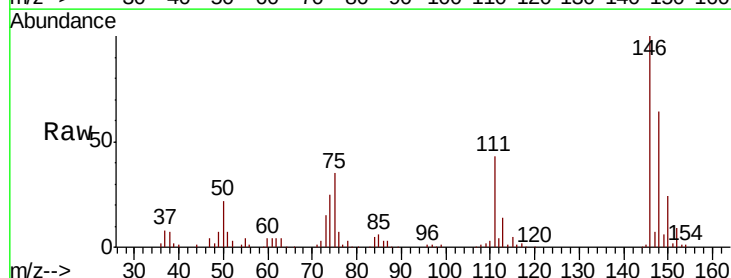
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB07

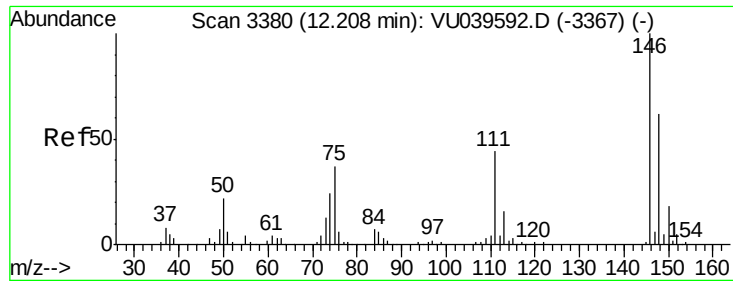
Tot Ion:146 Resp: 82009
 Ion Ratio Lower Upper
 146 100
 111 40.5 27.9 51.9
 148 62.2 43.0 80.0



#63
 1,4-Dichlorobenzene
 Concen: 4.745 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039619.D
 Acq: 22 Jul 2020 09:35

Tgt Ion:146 Resp: 79692
 Ion Ratio Lower Upper
 146 100
 111 42.7 29.9 55.5
 148 63.7 44.8 83.2





#65

1,2-Dichlorobenzene

Concen: 4.862 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU039619.D

Acq: 22 Jul 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

BFB07

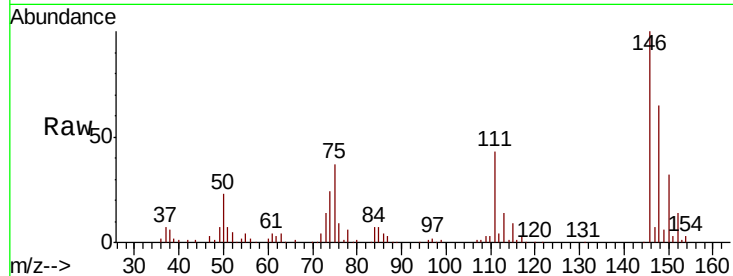
Tot Ion:146 Resp: 78347

Ion Ratio Lower Upper

146 100

111 43.1 34.3 51.5

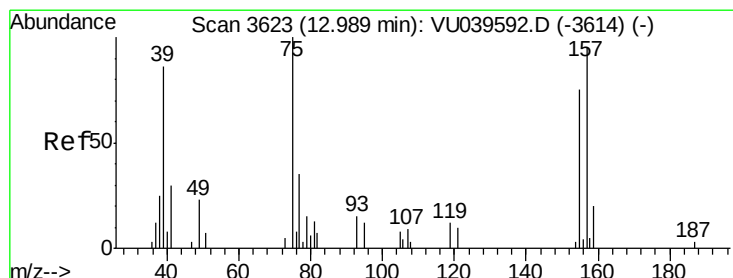
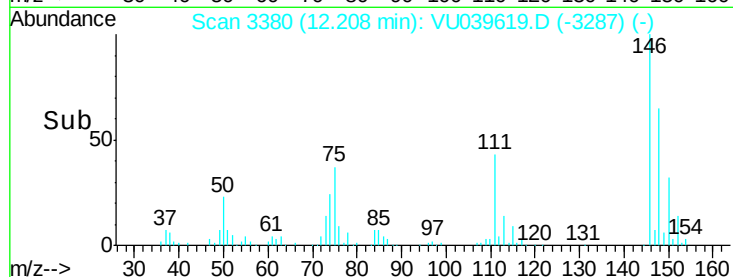
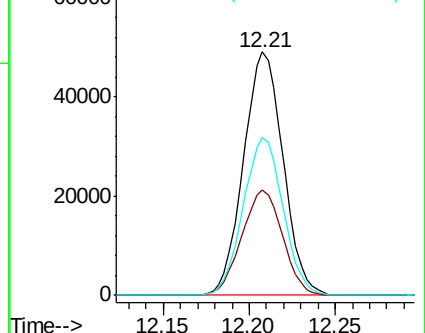
148 65.0 52.0 78.0



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: 5.105 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU039619.D

Acq: 22 Jul 2020 09:35

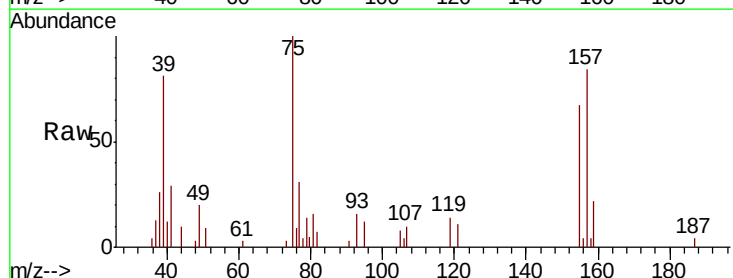
Tgt Ion: 75 Resp: 6289

Ion Ratio Lower Upper

75 100

155 67.0 48.4 72.6

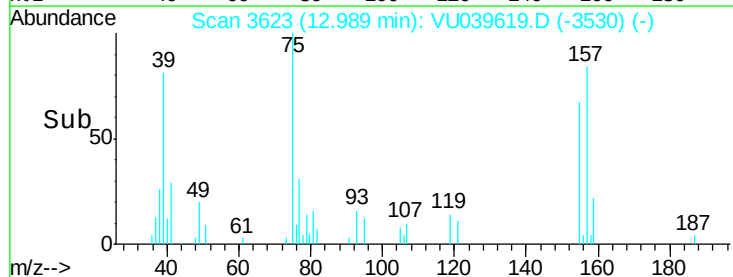
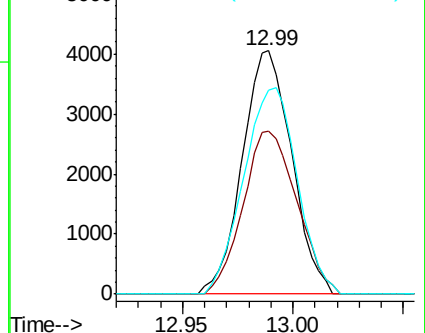
157 83.6 68.2 102.2

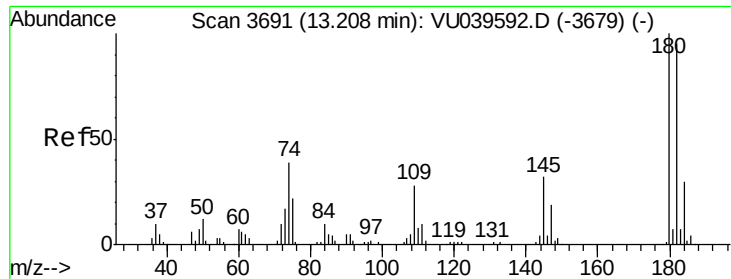


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

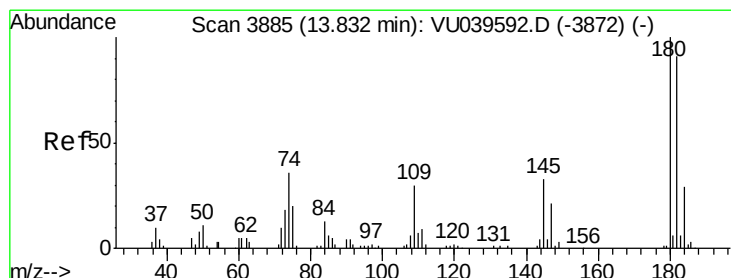
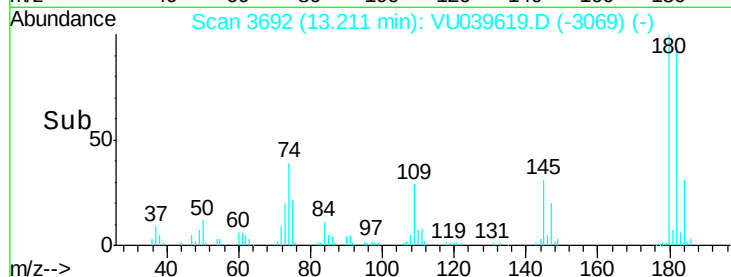
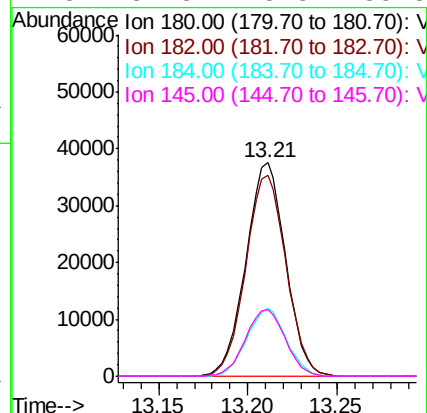
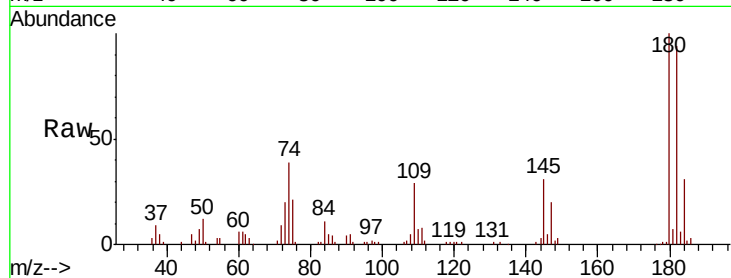




#67
 1,3,5-Trichlorobenzene
 Concen: 4.870 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039619.D
 Acq: 22 Jul 2020 09:35

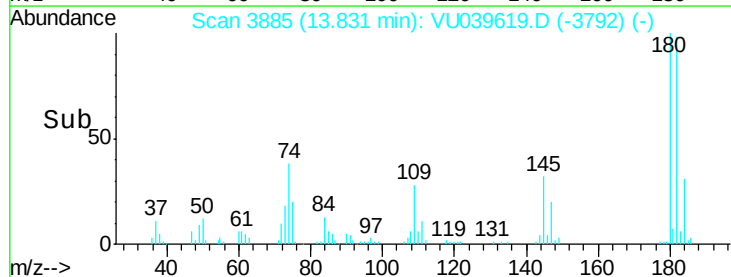
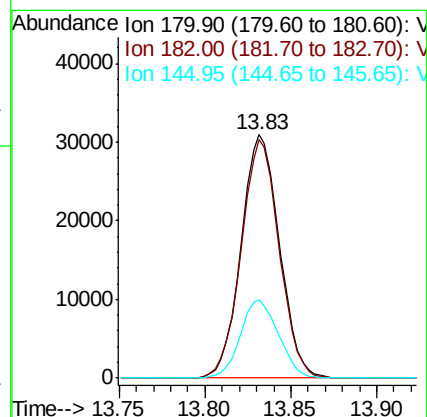
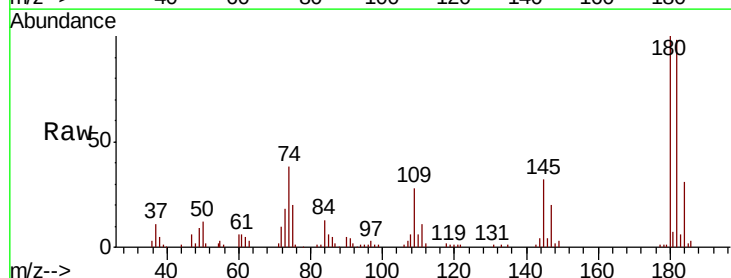
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB07

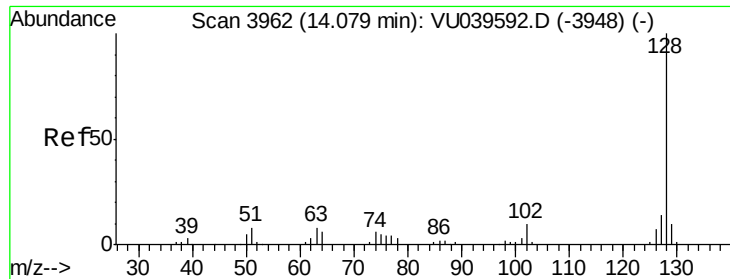
Tot Ion:180 Resp: 58480
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.5 114.7
 184 31.4 24.8 37.2
 145 31.3 23.8 35.8



#68
 1,2,4-trichlorobenzene
 Concen: 4.853 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039619.D
 Acq: 22 Jul 2020 09:35

Tgt Ion:180 Resp: 47853
 Ion Ratio Lower Upper
 180 100
 182 96.8 78.8 118.2
 145 32.0 26.7 40.1





#69

Naphthalene

Concen: 4.725 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039619.D

Acq: 22 Jul 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

BFB07

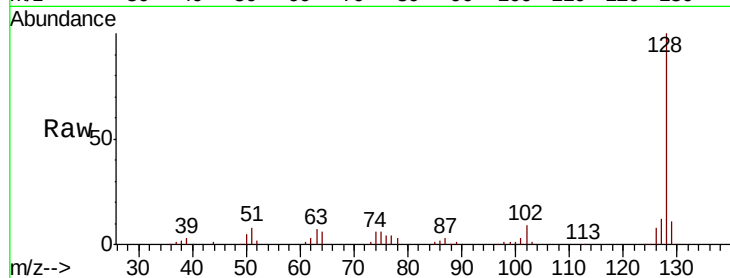
Tot Ion:128 Resp: 78895

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

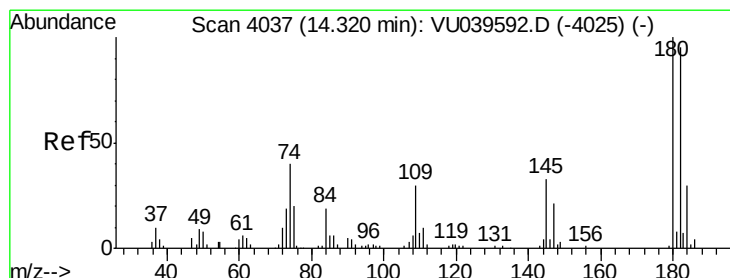
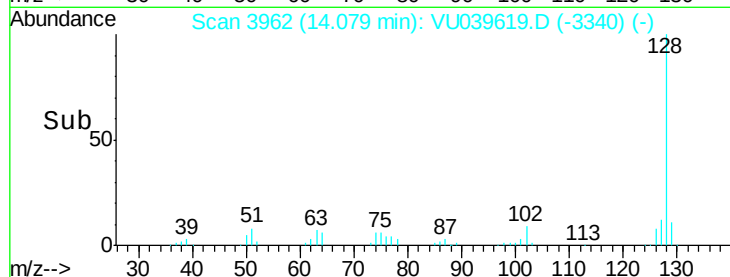
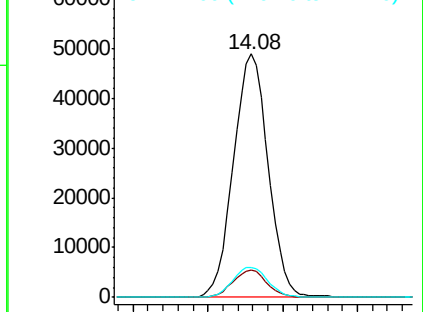
127 12.6 10.6 16.0



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: 4.996 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039619.D

Acq: 22 Jul 2020 09:35

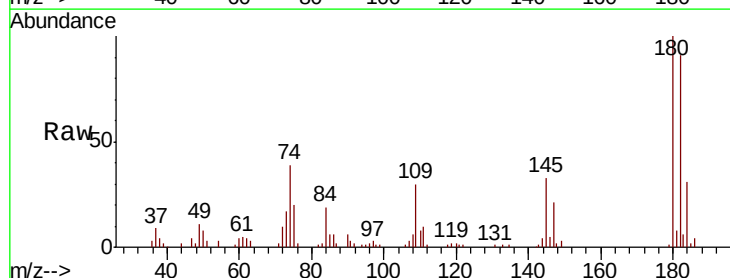
Tgt Ion:180 Resp: 43772

Ion Ratio Lower Upper

180 100

182 93.4 78.0 117.0

145 33.2 28.4 42.6



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

