

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100320\
 Data File : VU040477.D
 Acq On : 03 Oct 2020 13:56
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB13

Quant Time: Oct 05 00:57:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 03 00:09:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	134471	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	130813	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	68691	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	33689	5.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.20%
7) Chloroethane-d5	1.92	69	27294	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.60%
11) 1,1-Dichloroethene-d2	2.58	63	78130	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.60%
20) 2-Butanone-d5	4.65	46	134546	40.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.38%
24) Chloroform-d	5.08	84	72944	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	5.72	65	42607	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
32) Benzene-d6	5.74	84	135155	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
36) 1,2-Dichloropropane-d6	6.70	67	45822	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.90	98	126185	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.40%
43) trans-1,3-Dichloropropene-	8.18	79	19399	4.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.80%
46) 2-Hexanone-d5	8.64	63	96484	41.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.56%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	40084	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	46600	4.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	61527	4.563	ug/L 97
3) Chloromethane	1.53	50	55651	4.208	ug/L 99
5) Vinyl chloride	1.61	62	58296	4.485	ug/L 98
6) Bromomethane	1.87	94	28196	4.461	ug/L 98
8) Chloroethane	1.94	64	35695	4.634	ug/L 98
9) Trichlorofluoromethane	2.15	101	81890	4.567	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	52651	4.599	ug/L 100
12) 1,1-Dichloroethene	2.59	96	46776	4.568	ug/L 93
13) Acetone	2.66	43	120767	43.826	ug/L 100
14) Carbon disulfide	2.81	76	139200	4.301	ug/L 99
15) Methyl Acetate	2.97	43	28728	4.329	ug/L 99
16) Methylene chloride	3.06	84	55083	4.282	ug/L 95
17) Methyl tert-butyl Ether	3.38	73	125703	4.455	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	48091	4.542	ug/L 98
19) 1,1-Dichloroethane	3.89	63	99519	4.579	ug/L 99
21) 2-Butanone	4.73	43	203264	45.955	ug/L 98
22) cis-1,2-Dichloroethene	4.68	96	52414	4.474	ug/L 97

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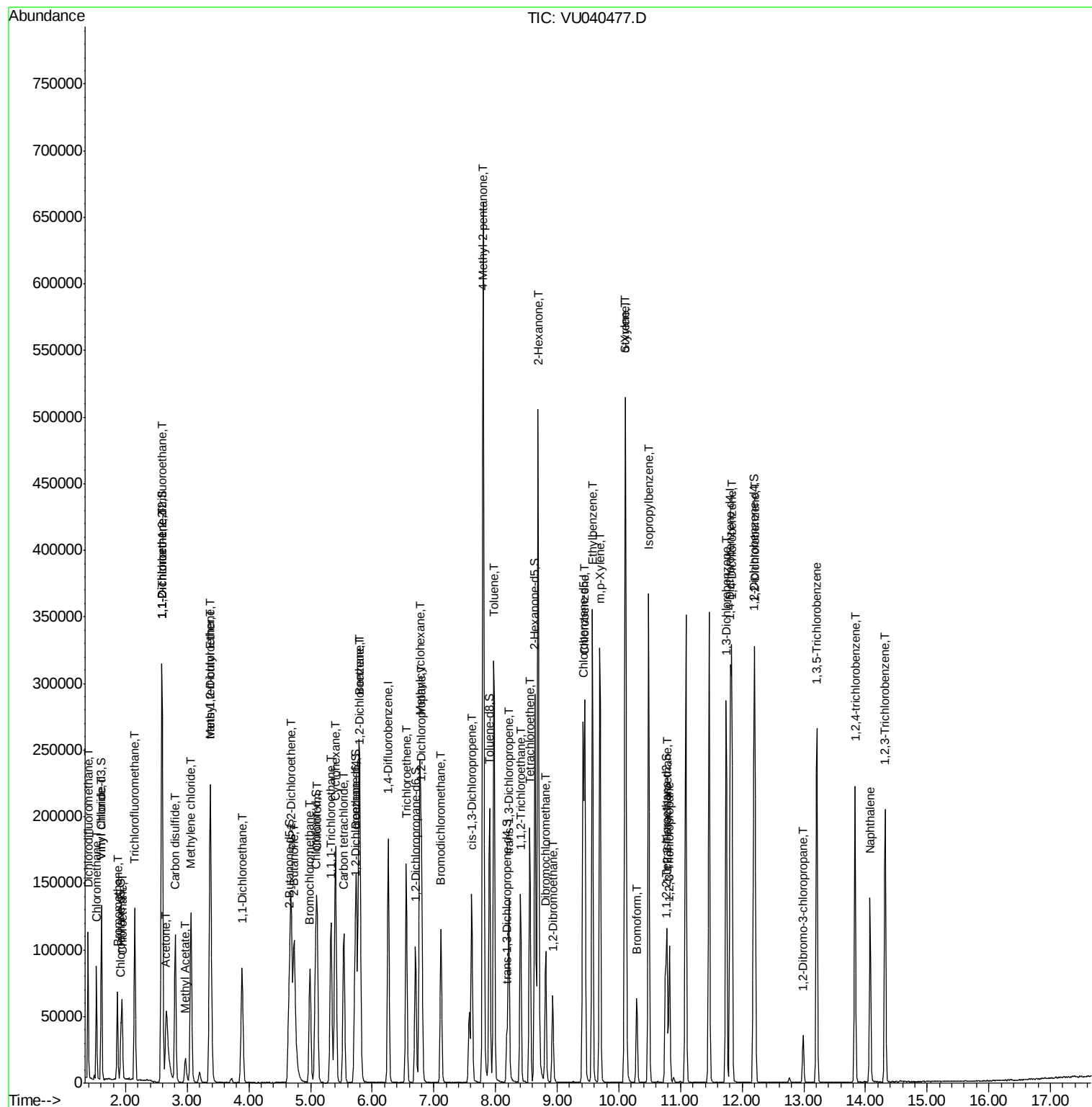
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	24835	4.631	ug/L	98
25) Chloroform	5.11	83	100230	4.521	ug/L	100
27) 1,2-Dichloroethane	5.81	62	72286	4.709	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	84881	4.750	ug/L	99
30) Cyclohexane	5.40	56	83541	4.519	ug/L	99
31) Carbon tetrachloride	5.54	117	73417	4.792	ug/L	99
33) Benzene	5.79	78	208030	4.743	ug/L	100
34) Trichloroethene	6.55	95	52812	4.536	ug/L	95
35) Methylcyclohexane	6.77	83	81536	4.775	ug/L	96
37) 1,2-Dichloropropane	6.80	63	58800	4.814	ug/L	99
38) Bromodichloromethane	7.11	83	71501	4.741	ug/L	96
39) cis-1,3-Dichloropropene	7.61	75	78389	4.785	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	453301	47.393	ug/L	100
42) Toluene	7.97	91	214375	4.767	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	71831	4.756	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	40694	4.753	ug/L	95
47) Tetrachloroethene	8.56	164	38643	4.674	ug/L	97
48) 2-Hexanone	8.69	43	342171	48.549	ug/L	99
49) Dibromochloromethane	8.81	129	48476	4.867	ug/L	98
50) 1,2-Dibromoethane	8.93	107	38945	4.742	ug/L #	99
51) Chlorobenzene	9.45	112	139405	4.794	ug/L	100
52) Ethylbenzene	9.57	91	231222	4.738	ug/L	100
53) m,p-Xylene	9.69	106	88340	4.859	ug/L	94
54) o-Xylene	10.10	106	83065	4.857	ug/L	94
55) Styrene	10.11	104	144935	4.858	ug/L	100
56) Isopropylbenzene	10.48	105	223222	4.837	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	52476	4.522	ug/L #	95
59) 1,2,3-Trichloropropane	10.82	75	39815	4.497	ug/L	99
61) Bromoform	10.29	173	26128	4.602	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	108050	4.751	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	111154	4.699	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	102914	4.655	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	9221	4.627	ug/L	90
67) 1,3,5-Trichlorobenzene	13.21	180	74269	4.575	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	60311	4.623	ug/L	99
69) Naphthalene	14.08	128	102668	4.605	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	57046	4.779	ug/L	99

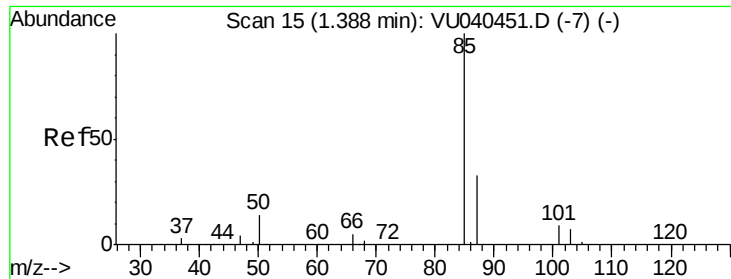
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.563 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU040477.D

Acq: 03 Oct 2020 13:56

Instrument :

MSVOA_U

ClientSampleId :

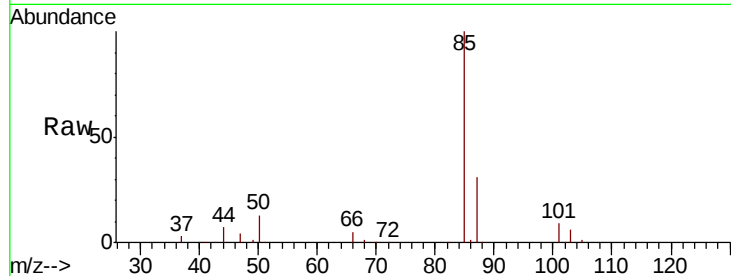
BFB13

Tot Ion: 85 Resp: 61527

Ion Ratio Lower Upper

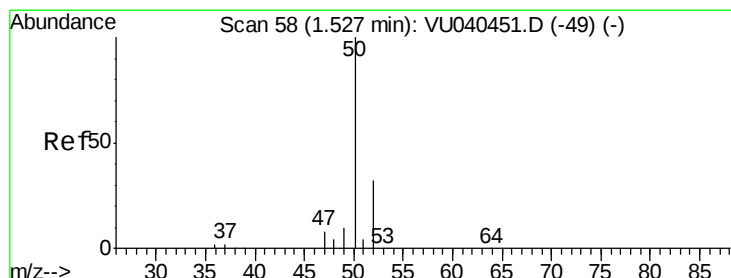
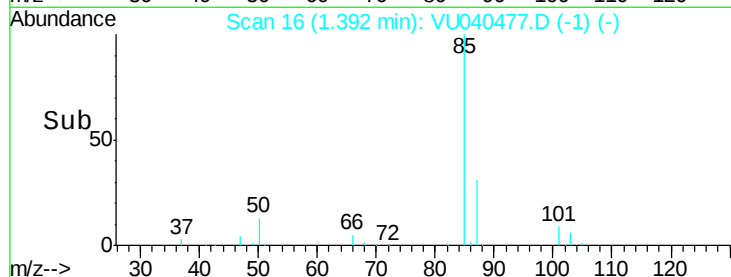
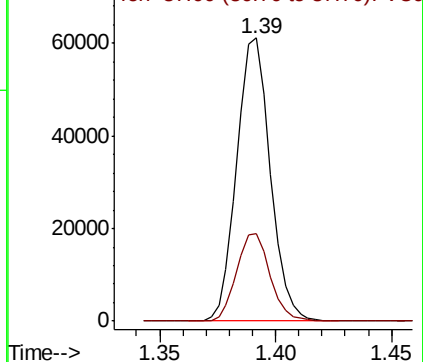
85 100

87 30.8 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.208 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040477.D

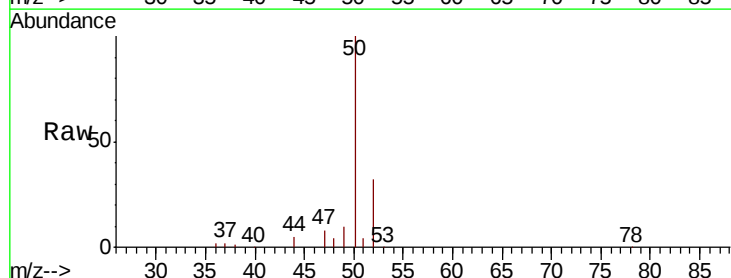
Acq: 03 Oct 2020 13:56

Tgt Ion: 50 Resp: 55651

Ion Ratio Lower Upper

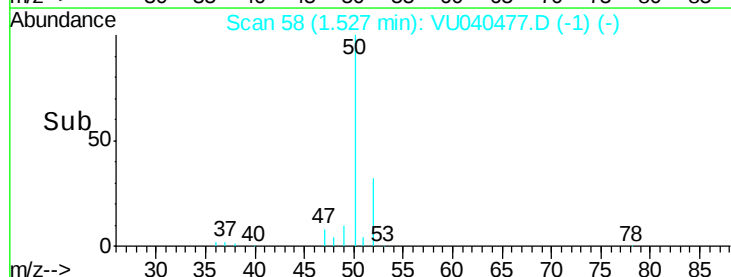
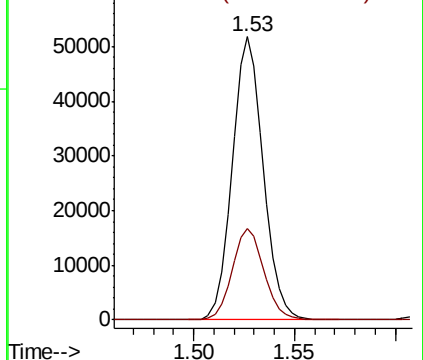
50 100

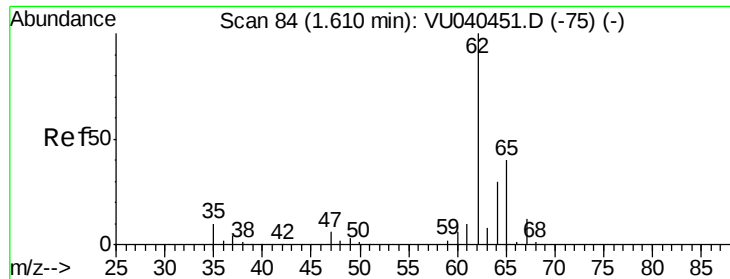
52 32.5 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.485 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040477.D

Acq: 03 Oct 2020 13:56

Instrument :

MSVOA_U

ClientSampled :

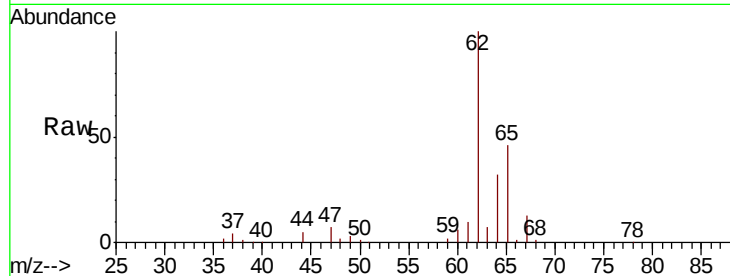
BFB13

Tot Ion: 62 Resp: 58296

Ion Ratio Lower Upper

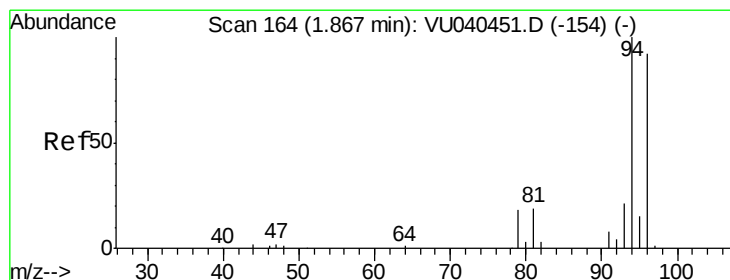
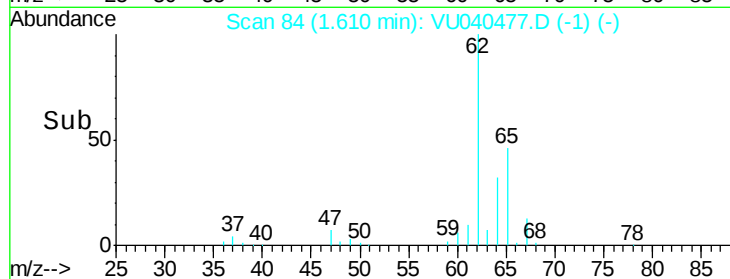
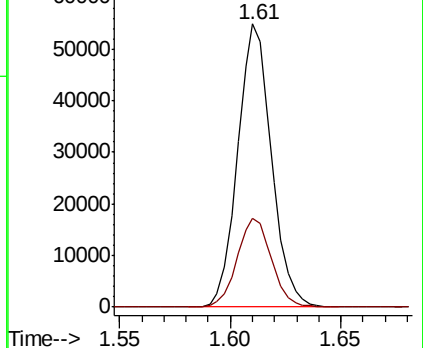
62 100

64 31.5 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.461 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040477.D

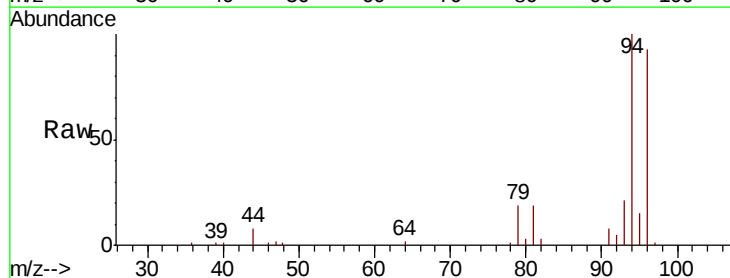
Acq: 03 Oct 2020 13:56

Tgt Ion: 94 Resp: 28196

Ion Ratio Lower Upper

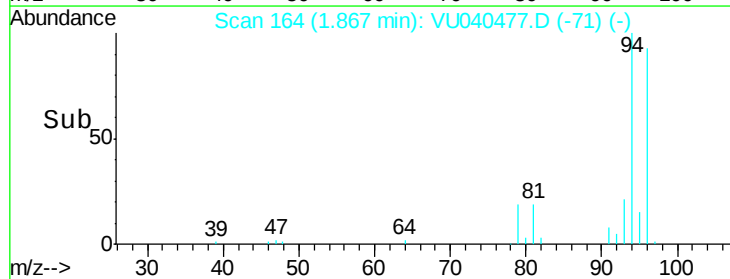
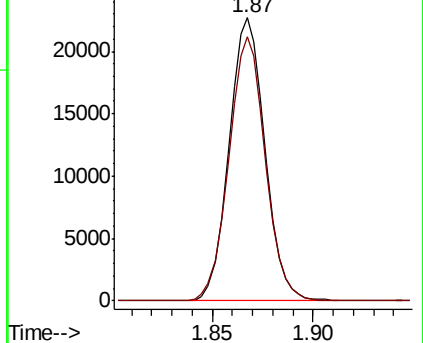
94 100

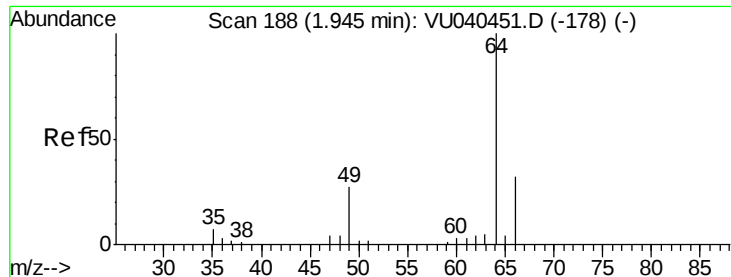
96 93.2 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.634 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040477.D

Acq: 03 Oct 2020 13:56

Instrument :

MSVOA_U

ClientSampleId :

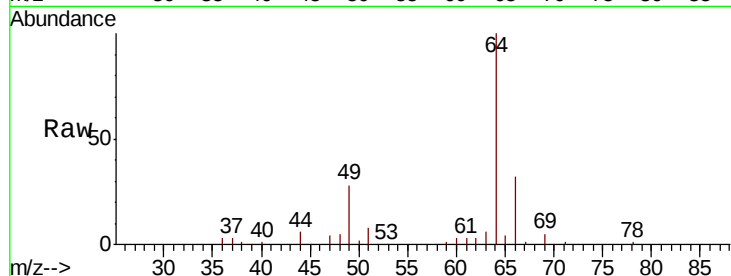
BFB13

Tot Ion: 64 Resp: 35695

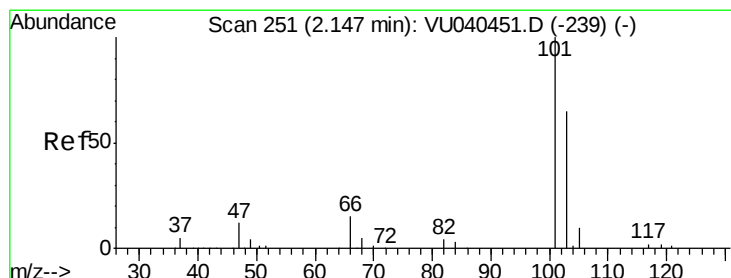
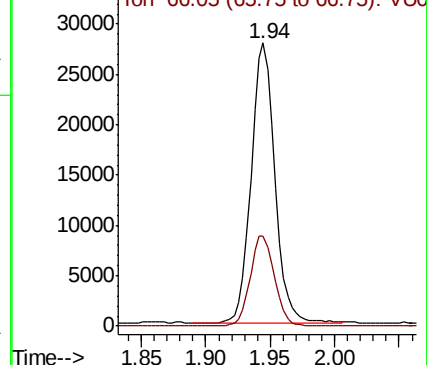
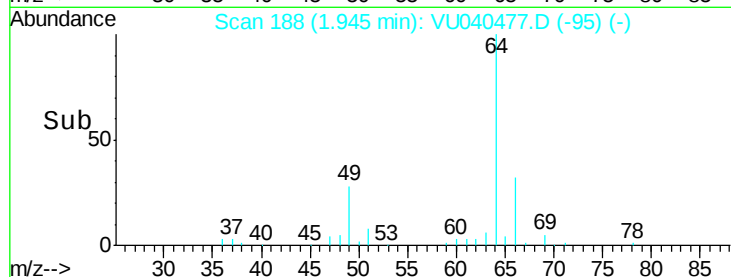
Ion Ratio Lower Upper

64 100

66 31.7 21.3 39.6



Abundance Ion 64.10 (63.80 to 64.80): VU040477.D (-95) (-)



#9

Trichlorofluoromethane

Concen: 4.567 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU040477.D

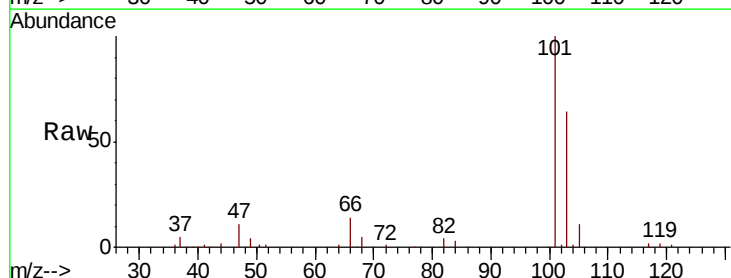
Acq: 03 Oct 2020 13:56

Tgt Ion: 101 Resp: 81890

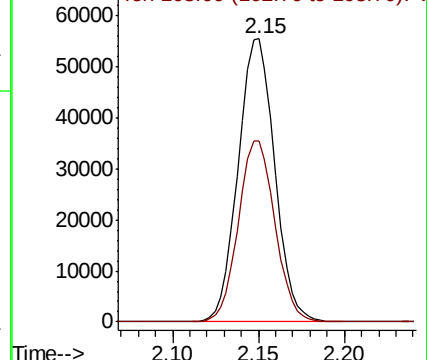
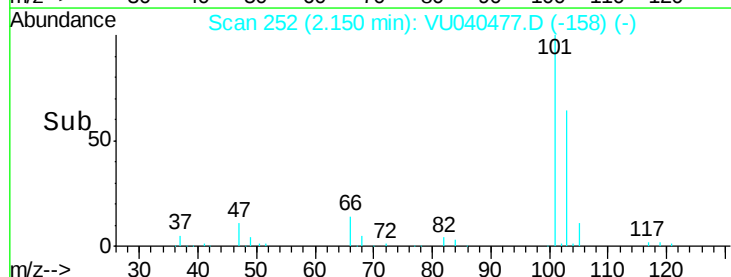
Ion Ratio Lower Upper

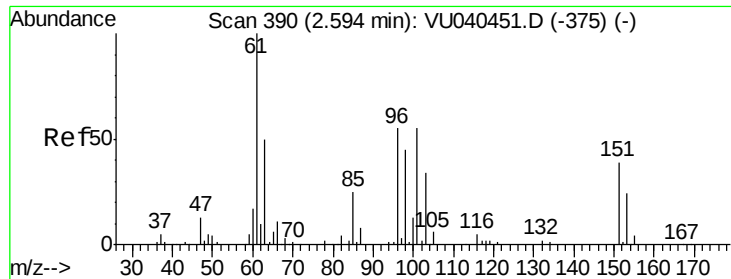
101 100

103 63.8 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VU040477.D (-158) (-)





#10

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

Concen: 4.599 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040477.D

Acq: 03 Oct 2020 13:56

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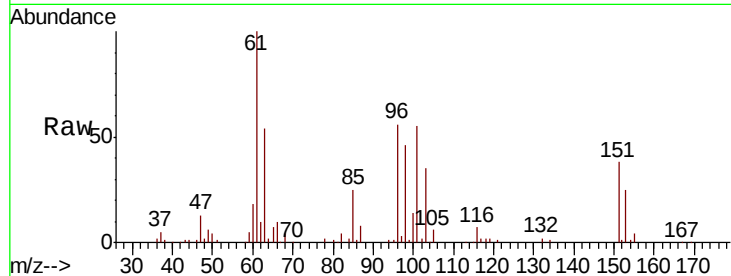
Tot Ion:101 Resp: 52651

Ion Ratio Lower Upper

101 100

85 44.1 35.0 52.6

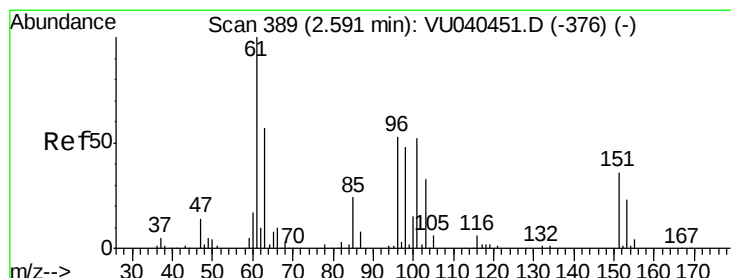
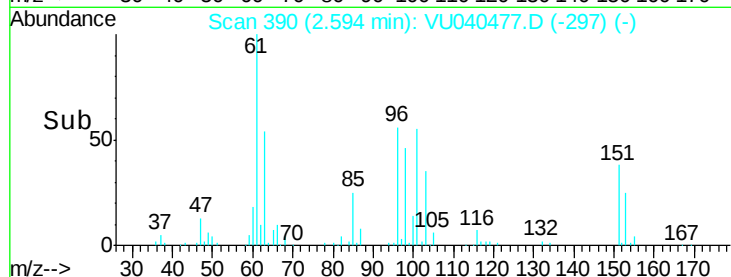
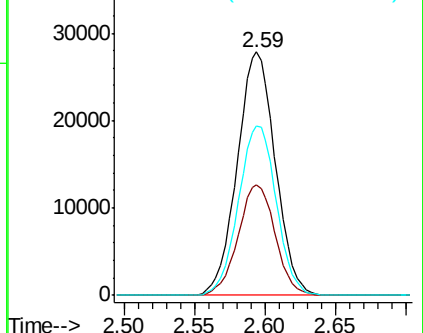
151 69.2 55.4 83.2



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: 4.568 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040477.D

Acq: 03 Oct 2020 13:56

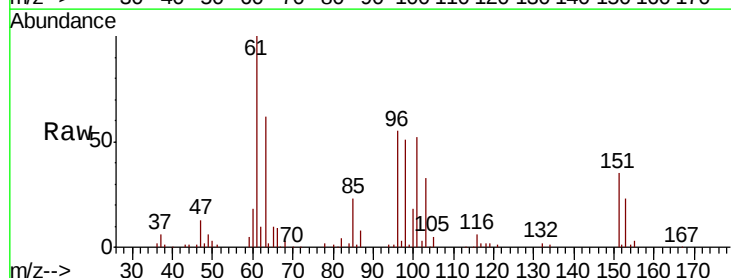
Tgt Ion: 96 Resp: 46776

Ion Ratio Lower Upper

96 100

61 180.8 128.6 238.8

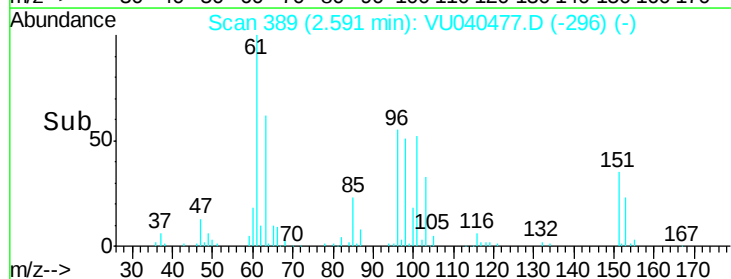
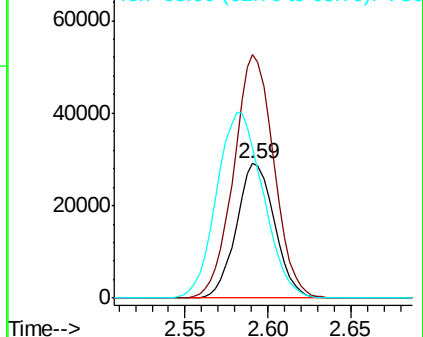
63 111.7 67.8 126.0

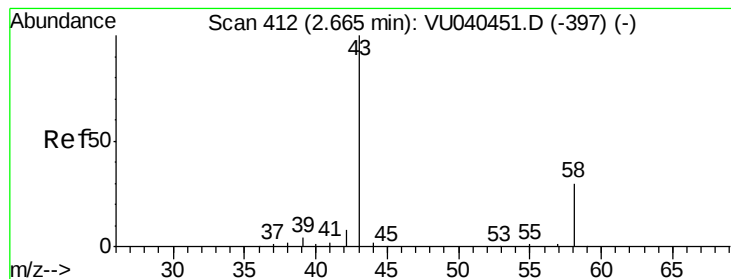


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 43.826 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.00 min

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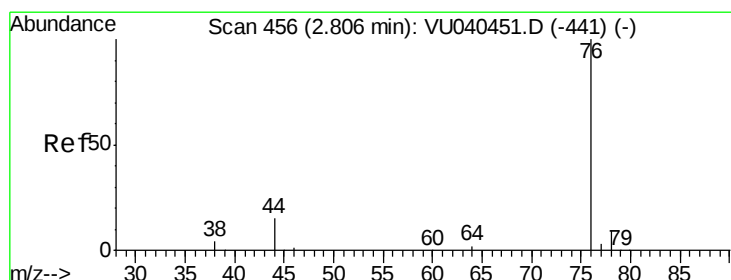
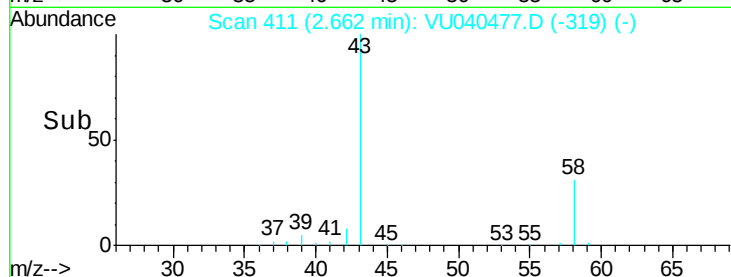
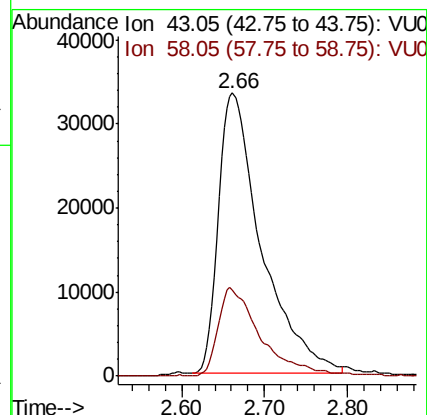
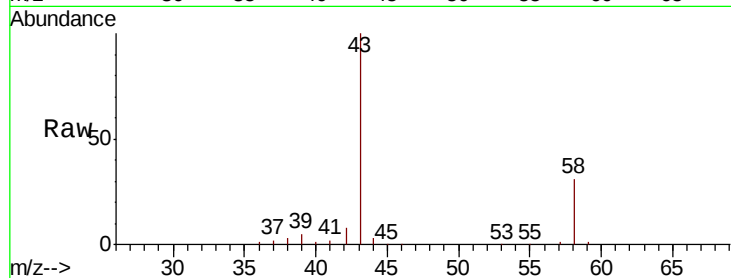
BFB13

Tot Ion: 43 Resp: 120767

Ion Ratio Lower Upper

43 100

58 30.9 0.0 61.8



#14

Carbon disulfide

Concen: 4.301 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

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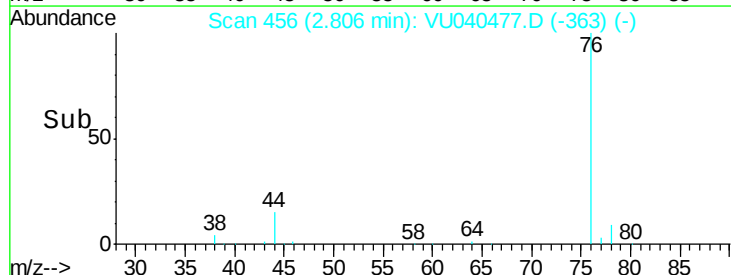
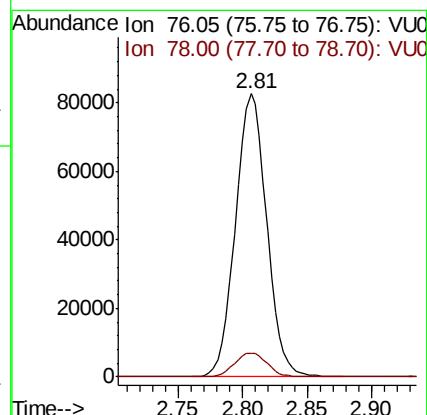
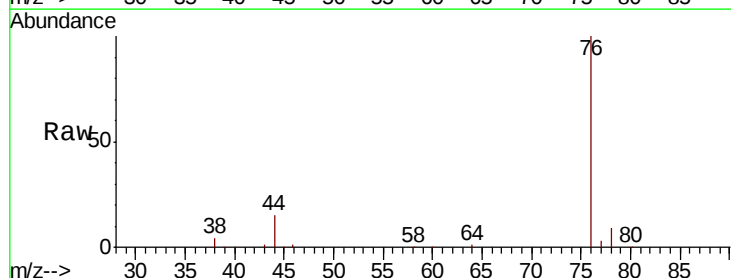
Acq: 03 Oct 2020 13:56

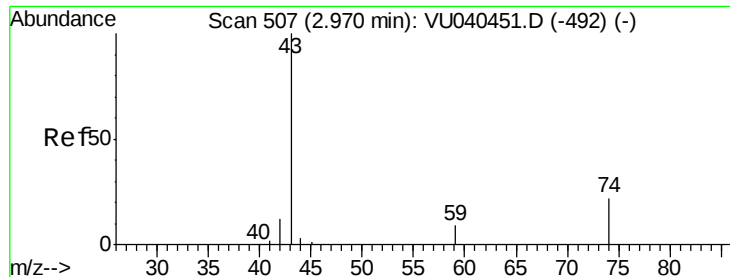
Tgt Ion: 76 Resp: 139200

Ion Ratio Lower Upper

76 100

78 8.5 7.2 10.8





#15

Methvl Acetate

Concen: 4.329 ug/L

RT: 2.97 min Scan# 507

Delta R.T. 0.00 min

Lab File: VU040477.D

Acq: 03 Oct 2020 13:56

Instrument :

MSVOA_U

ClientSampleId :

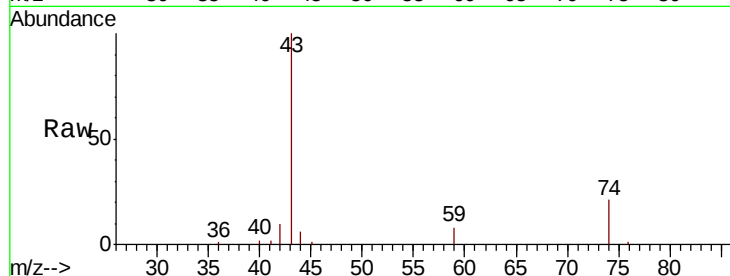
BFB13

Tot Ion: 43 Resp: 28728

Ion Ratio Lower Upper

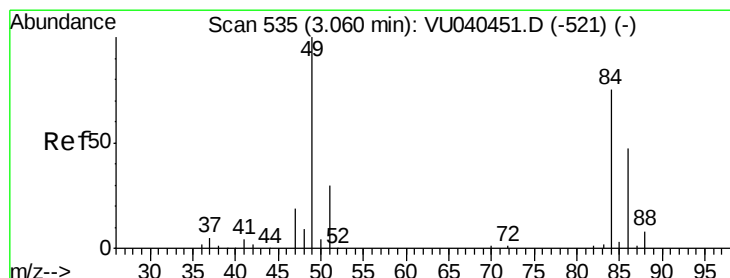
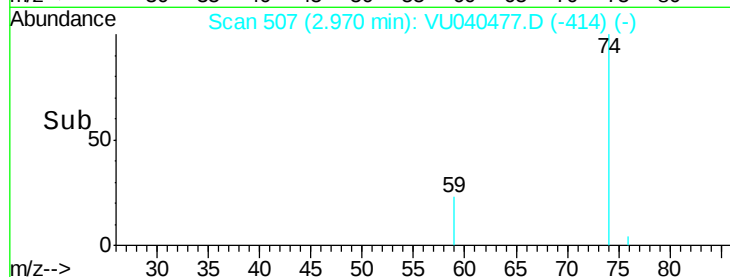
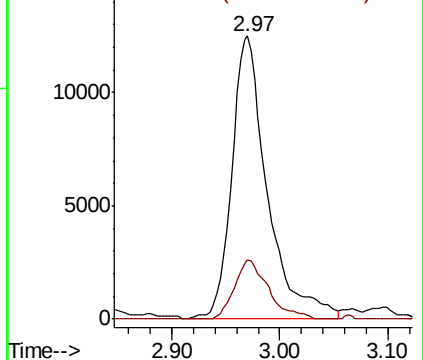
43 100

74 20.0 16.3 24.5



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.282 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040477.D

Acq: 03 Oct 2020 13:56

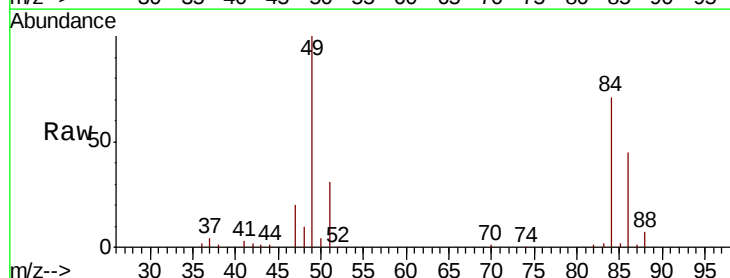
Tgt Ion: 84 Resp: 55083

Ion Ratio Lower Upper

84 100

86 63.2 44.4 82.5

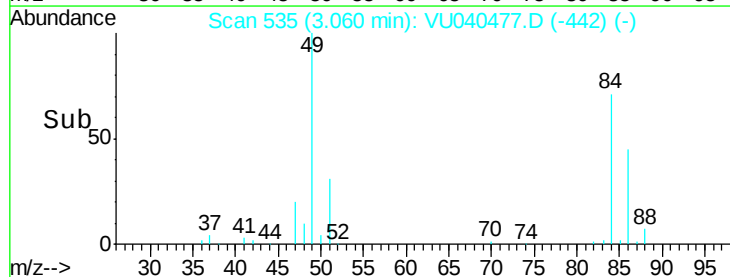
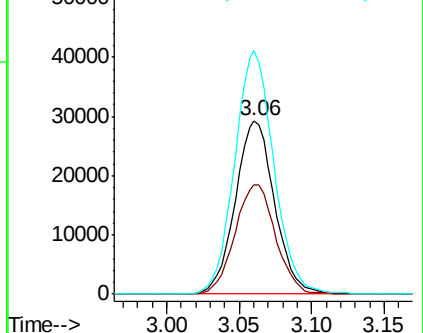
49 140.4 92.2 171.2

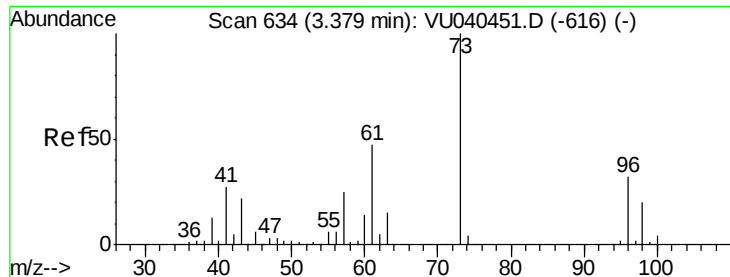


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

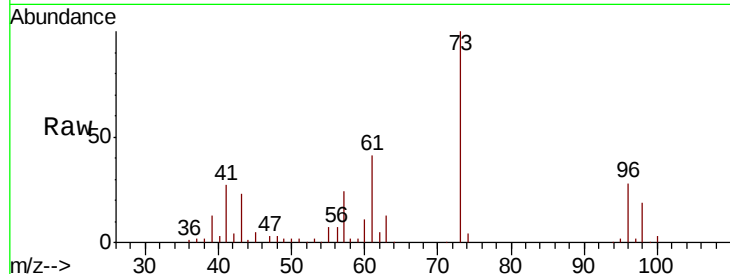




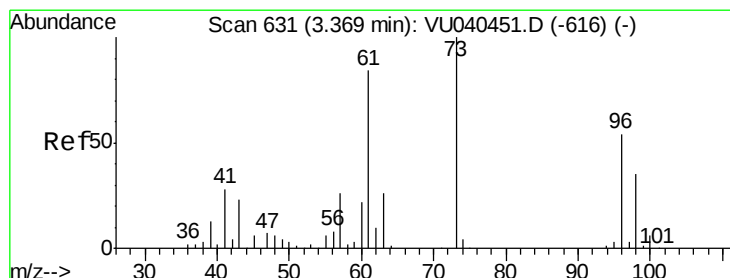
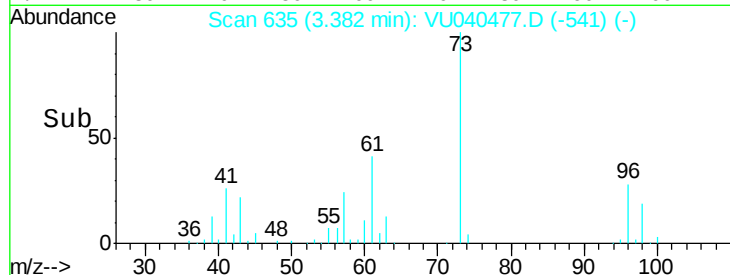
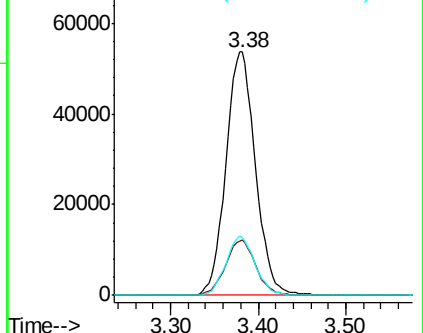
#17
Methvl tert-butvl Ether
Concen: 4.455 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040477.D
Acq: 03 Oct 2020 13:56

Instrument :
MSVOA_U
ClientSampleId :
BFB13

Tot Ion: 73 Resp: 125703
Ion Ratio Lower Upper
73 100
43 23.3 19.0 28.4
57 24.0 18.9 28.3

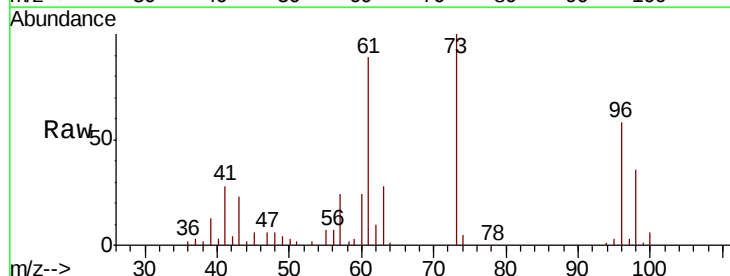


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

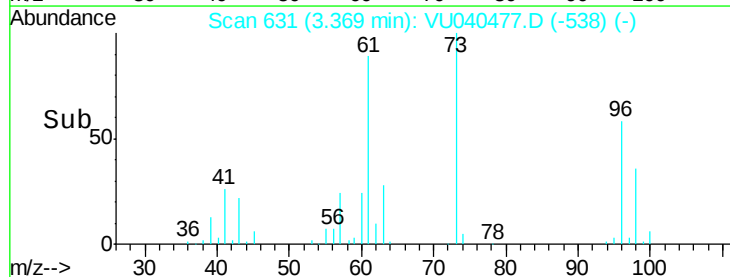
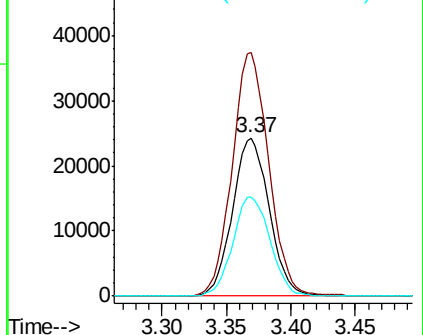


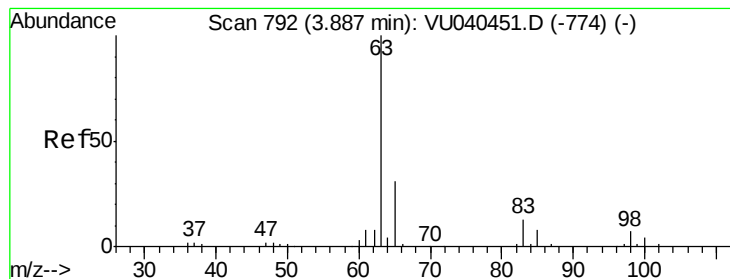
#18
trans-1,2-Dichloroethene
Concen: 4.542 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU040477.D
Acq: 03 Oct 2020 13:56

Tgt Ion: 96 Resp: 48091
Ion Ratio Lower Upper
96 100
61 154.2 109.3 203.1
98 63.0 45.8 85.0



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: 4.579 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040477.D

Acq: 03 Oct 2020 13:56

Instrument :

MSVOA_U

ClientSampled :

BFB13

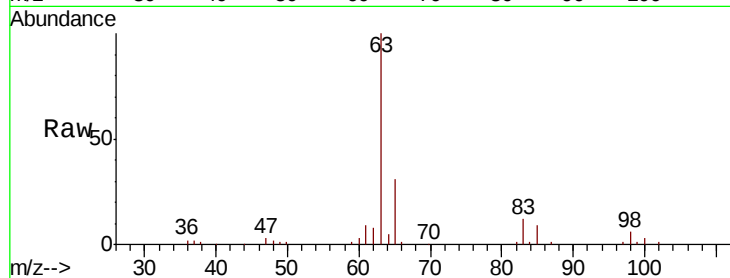
Tot Ion: 63 Resp: 99519

Ion Ratio Lower Upper

63 100

65 31.5 21.7 40.3

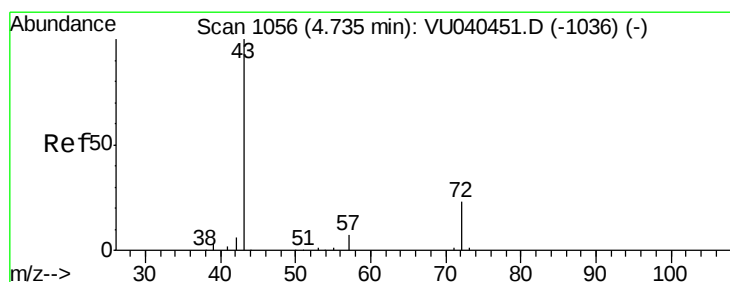
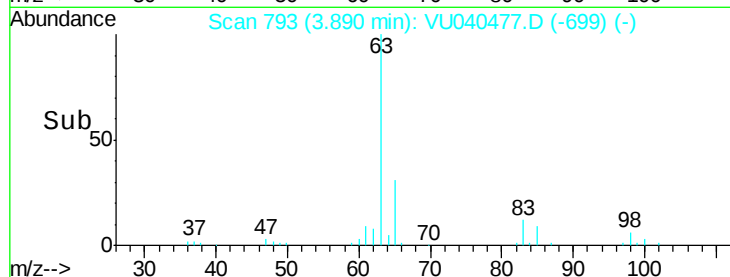
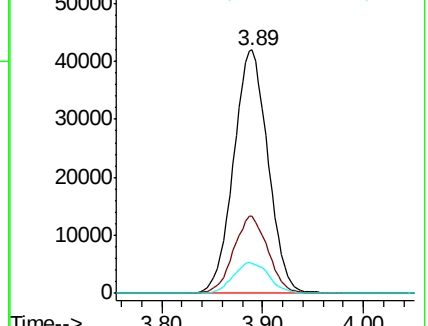
83 12.5 9.1 16.9



Abundance Ion 63.10 (62.80 to 63.80): VU040477.D (-699) (-)

Ion 65.10 (64.80 to 65.80): VU040477.D (-699) (-)

Ion 83.05 (82.75 to 83.75): VU040477.D (-699) (-)



#21

2-Butanone

Concen: 45.955 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VU040477.D

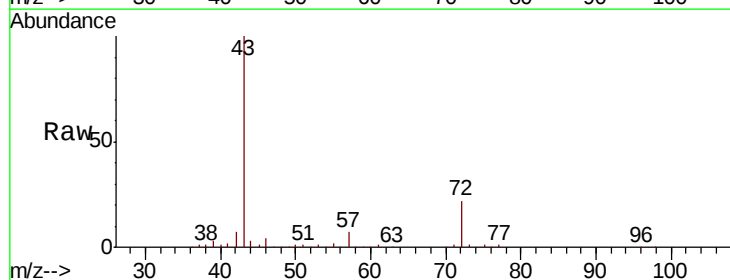
Acq: 03 Oct 2020 13:56

Tgt Ion: 43 Resp: 203264

Ion Ratio Lower Upper

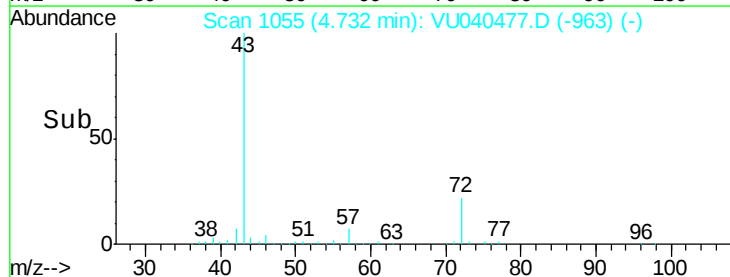
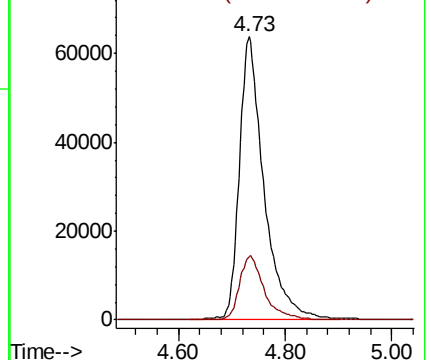
43 100

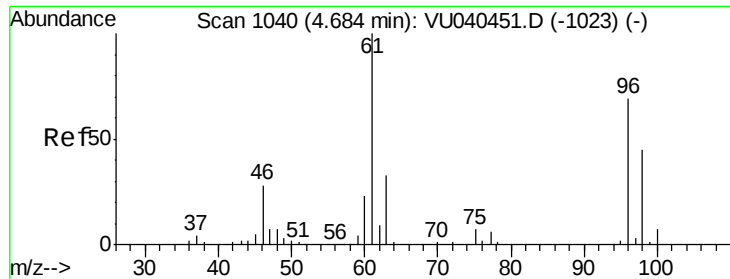
72 22.9 12.0 36.1



Abundance Ion 43.05 (42.75 to 43.75): VU040477.D (-963) (-)

Ion 72.10 (71.80 to 72.80): VU040477.D (-963) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.474 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU040477.D

Acq: 03 Oct 2020 13:56

Instrument :

MSVOA_U

ClientSampleId :

BFB13

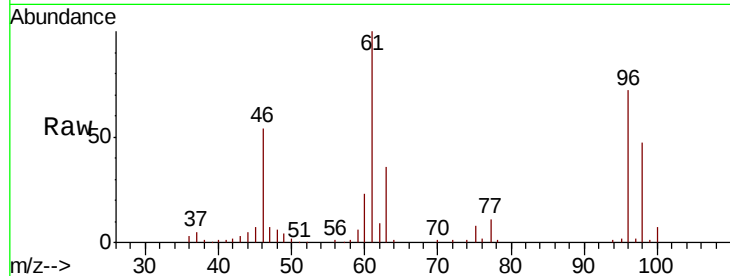
Tot Ion: 96 Resp: 52414

Ion Ratio Lower Upper

96 100

61 138.2 99.3 184.5

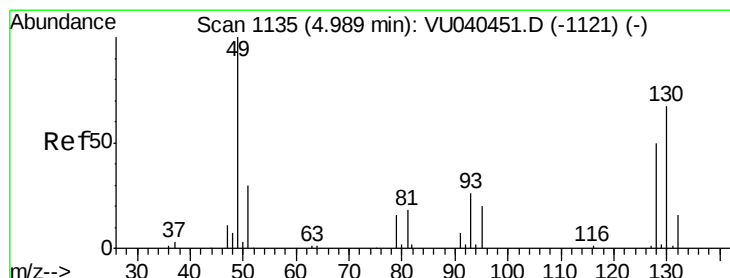
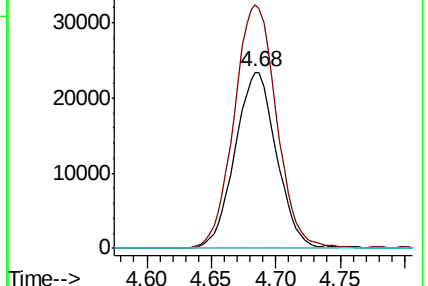
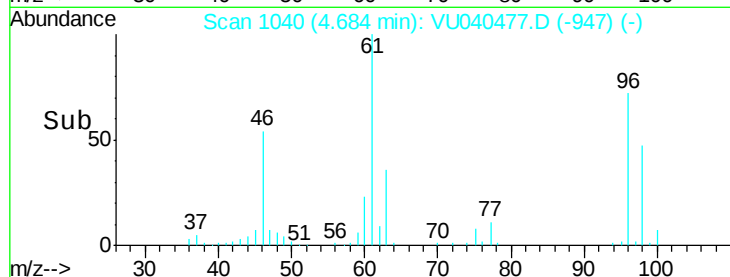
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040477.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040477.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040477.D (-947) (-)



#23

Bromochloromethane

Concen: 4.631 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VU040477.D

Acq: 03 Oct 2020 13:56

Tgt Ion:128 Resp: 24835

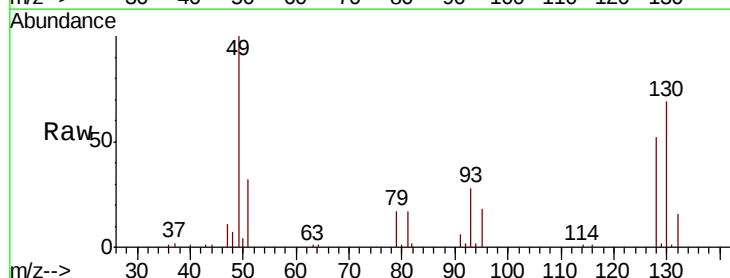
Ion Ratio Lower Upper

128 100

49 193.3 134.6 250.0

130 133.8 91.1 169.1

51 62.1 50.6 75.8

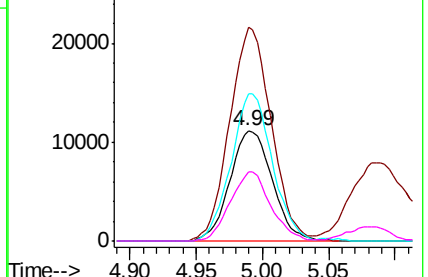
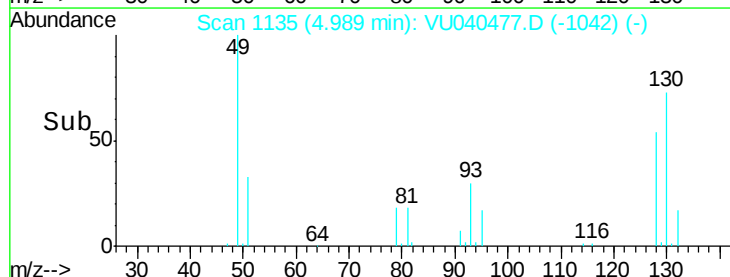


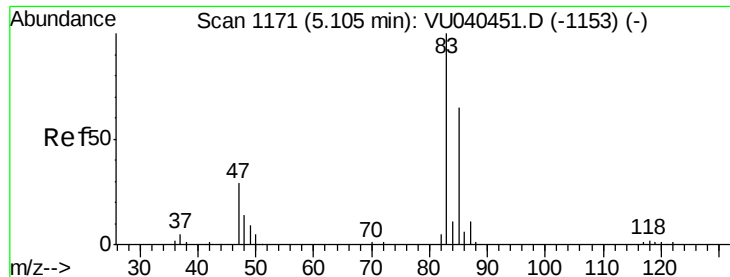
Abundance Ion 127.90 (127.60 to 128.60): VU040477.D (-1042) (-)

Ion 49.10 (48.80 to 49.80): VU040477.D (-1042) (-)

Ion 129.95 (129.65 to 130.65): VU040477.D (-1042) (-)

Ion 51.05 (50.75 to 51.75): VU040477.D (-1042) (-)

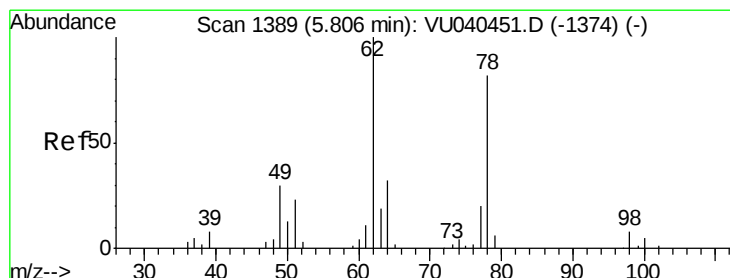
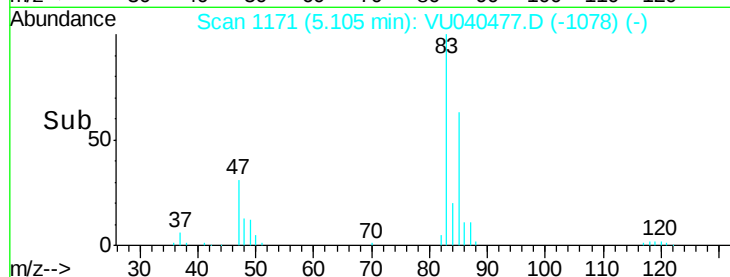
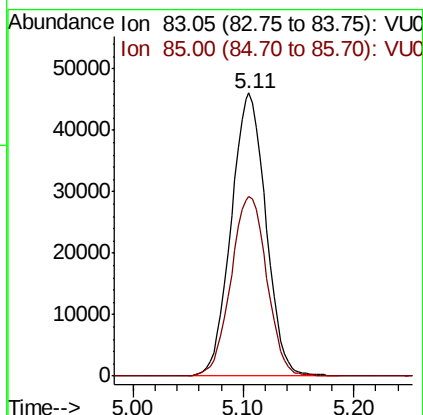
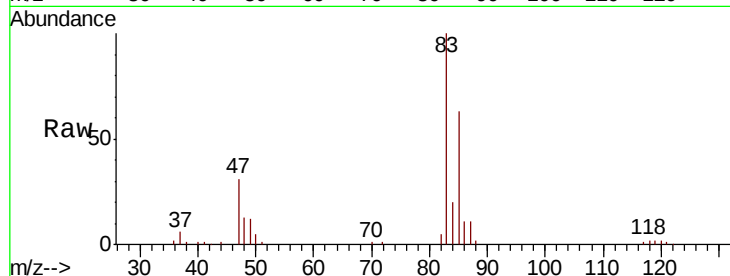




#25
Chloroform
Concen: 4.521 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040477.D
Acq: 03 Oct 2020 13:56

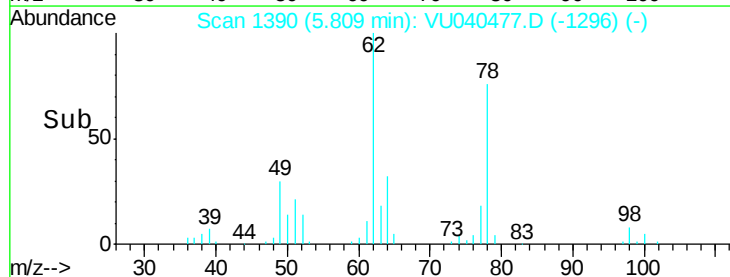
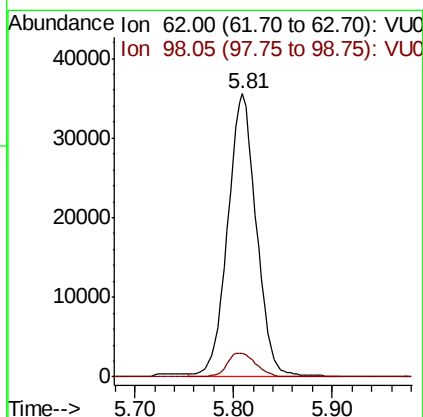
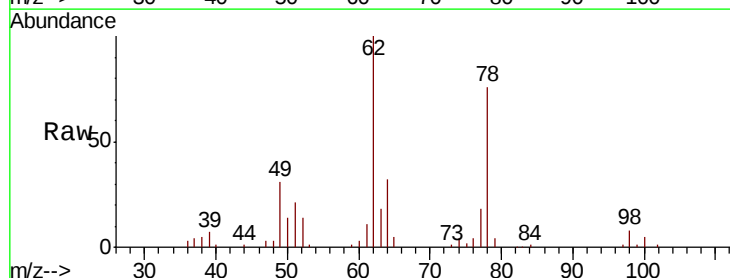
Instrument :
MSVOA_U
ClientSampleId :
BFB13

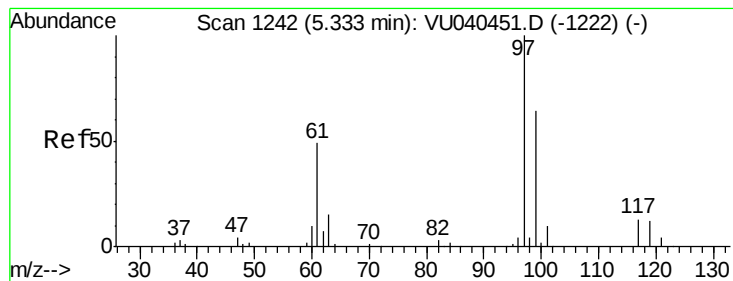
Tot Ion: 83 Resp: 100230
Ion Ratio Lower Upper
83 100
85 63.3 44.6 82.8



#27
1,2-Dichloroethane
Concen: 4.709 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040477.D
Acq: 03 Oct 2020 13:56

Tgt Ion: 62 Resp: 72286
Ion Ratio Lower Upper
62 100
98 8.2 7.5 11.3





#29

1,1,1-Trichloroethane

Concen: 4.750 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VU040477.D

Acq: 03 Oct 2020 13:56

Instrument :

MSVOA_U

ClientSampled :

BFB13

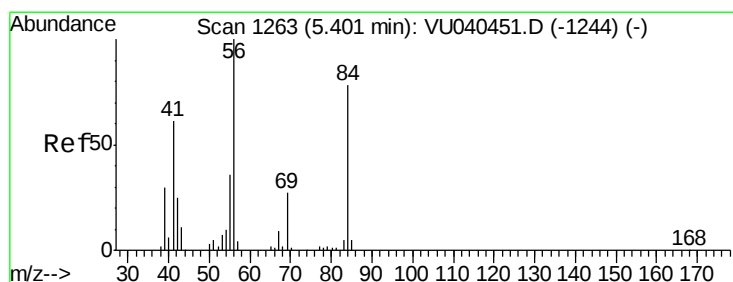
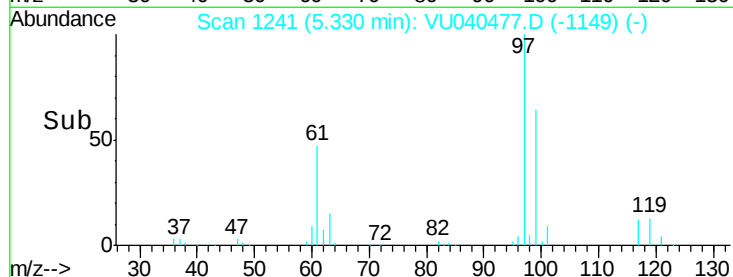
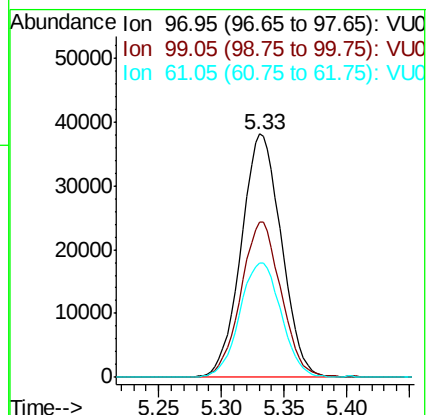
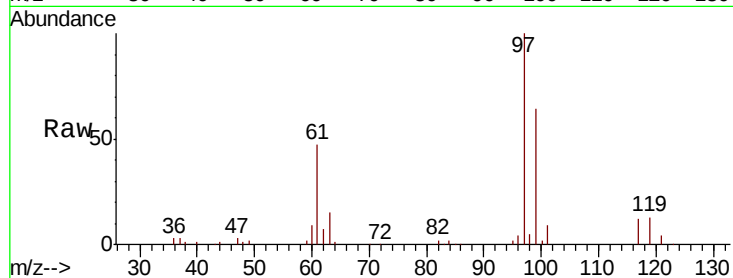
Tot Ion: 97 Resp: 84881

Ion Ratio Lower Upper

97 100

99 64.0 50.7 76.1

61 48.6 39.7 59.5



#30

Cyclohexane

Concen: 4.519 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VU040477.D

Acq: 03 Oct 2020 13:56

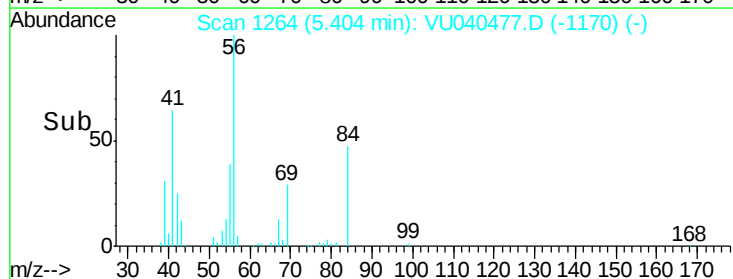
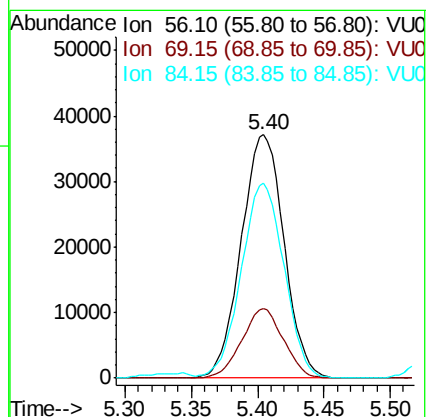
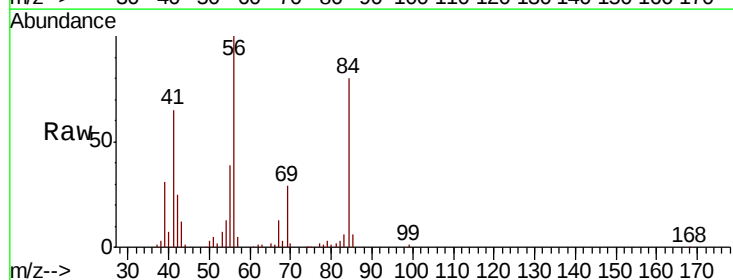
Tgt Ion: 56 Resp: 83541

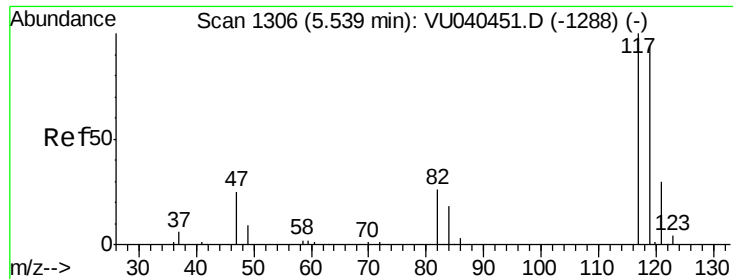
Ion Ratio Lower Upper

56 100

69 27.8 23.3 34.9

84 80.2 64.2 96.4





#31

Carbon tetrachloride

Concen: 4.792 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU040477.D

Acq: 03 Oct 2020 13:56

Instrument :

MSVOA_U

ClientSampleId :

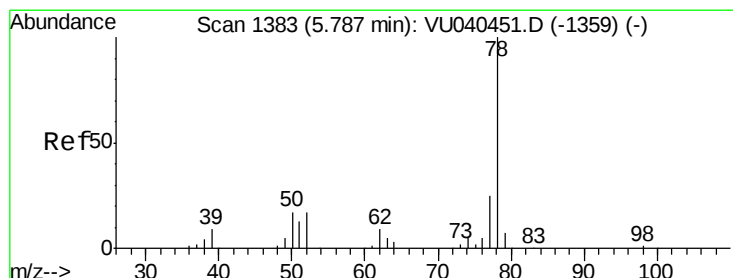
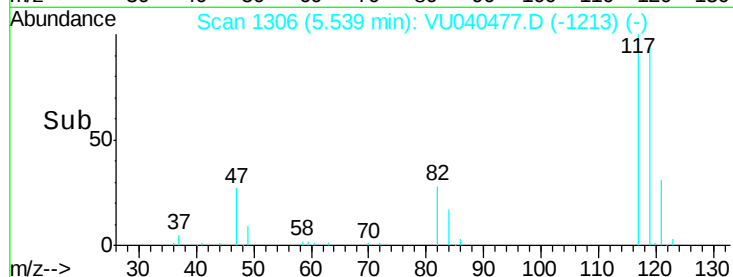
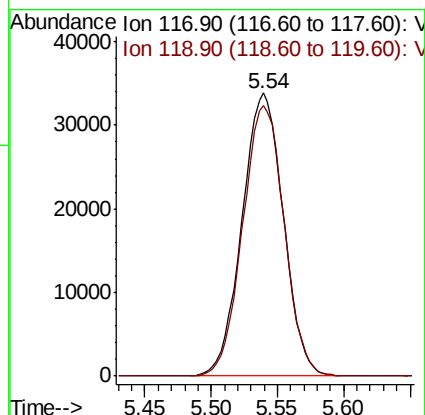
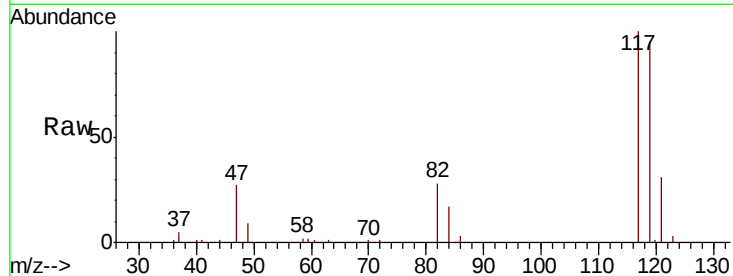
BFB13

Tot Ion:117 Resp: 73417

Ion Ratio Lower Upper

117 100

119 96.0 77.5 116.3



#33

Benzene

Concen: 4.743 ug/L

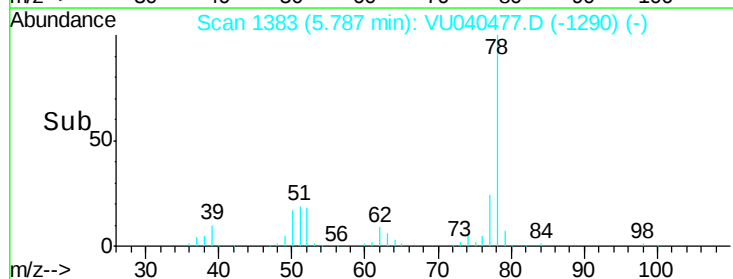
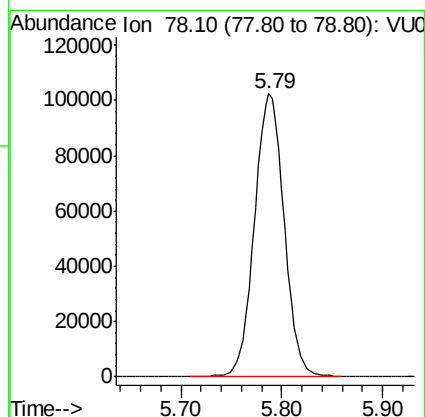
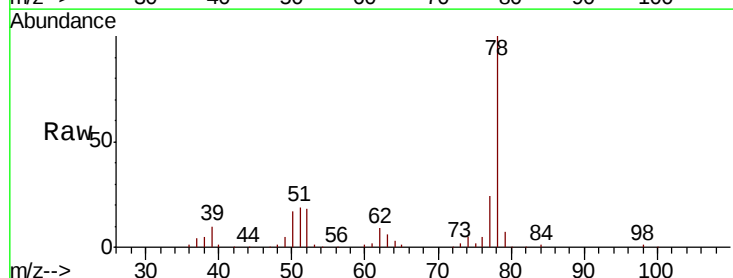
RT: 5.79 min Scan# 1383

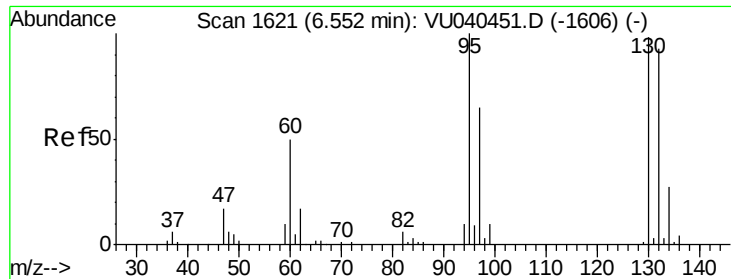
Delta R.T. 0.00 min

Lab File: VU040477.D

Acq: 03 Oct 2020 13:56

Tgt Ion: 78 Resp: 208030

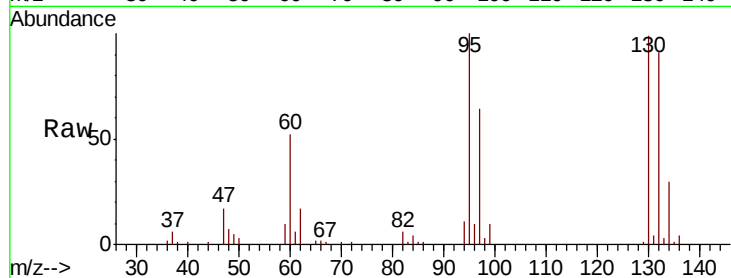




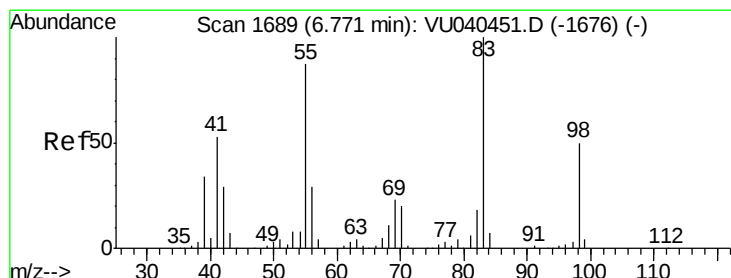
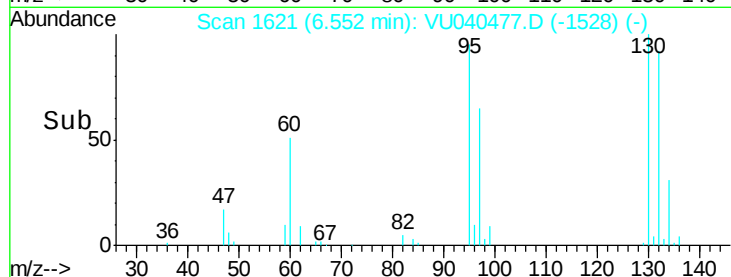
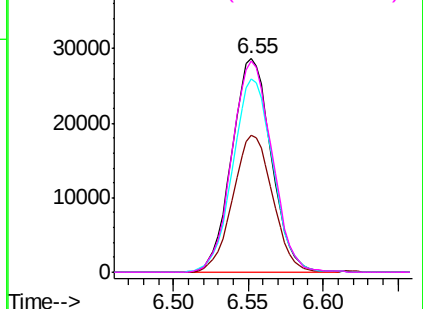
#34
 Trichloroethene
 Concen: 4.536 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU040477.D
 Acq: 03 Oct 2020 13:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB13

Tot Ion: 95 Resp: 52812
 Ion Ratio Lower Upper
 95 100
 97 64.2 46.3 85.9
 132 90.5 60.5 112.3
 130 98.9 64.3 119.3

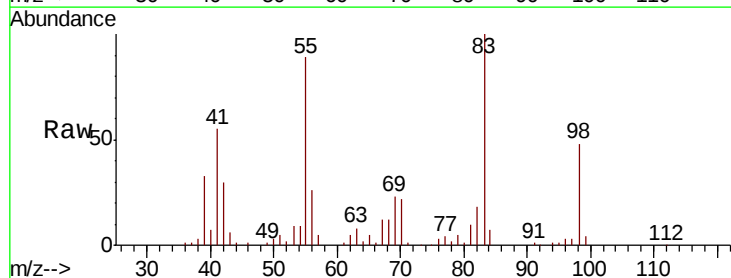


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

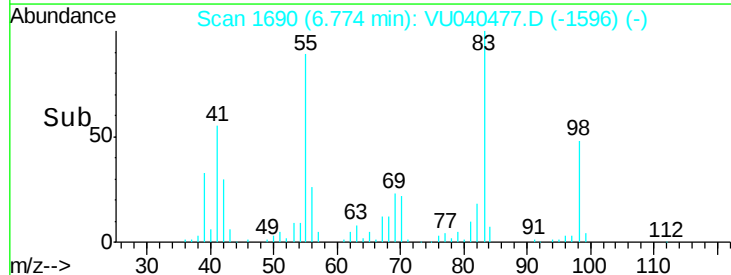
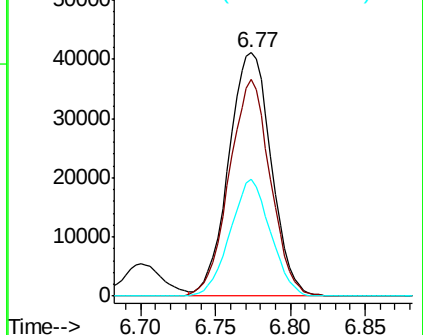


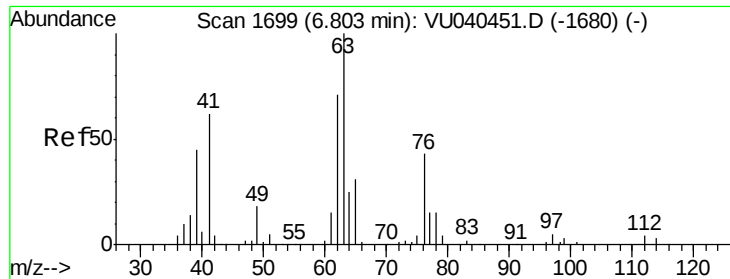
#35
 Methylcyclohexane
 Concen: 4.775 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040477.D
 Acq: 03 Oct 2020 13:56

Tgt Ion: 83 Resp: 81536
 Ion Ratio Lower Upper
 83 100
 55 86.0 71.4 107.2
 98 45.7 38.5 57.7



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

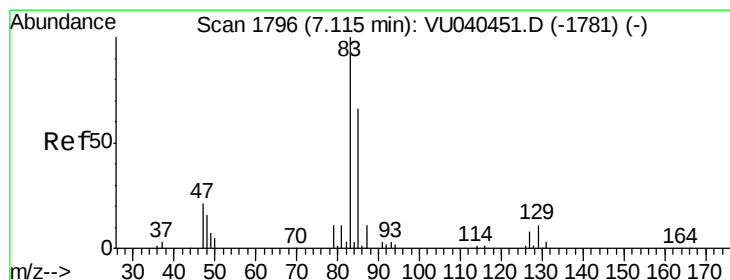
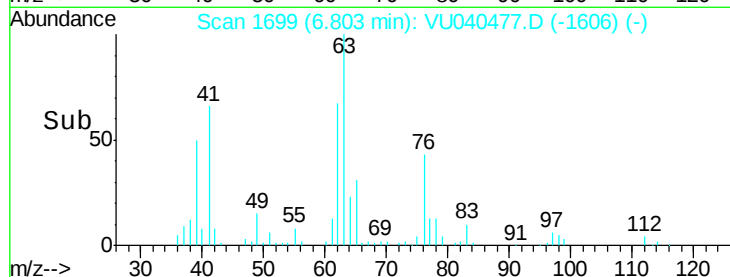
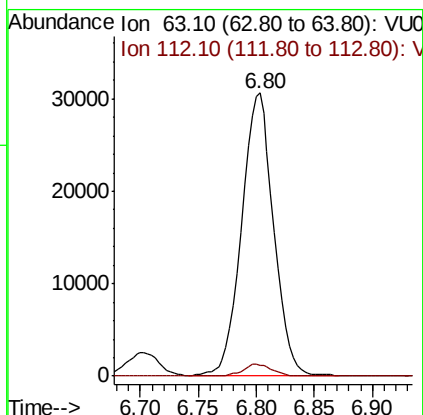
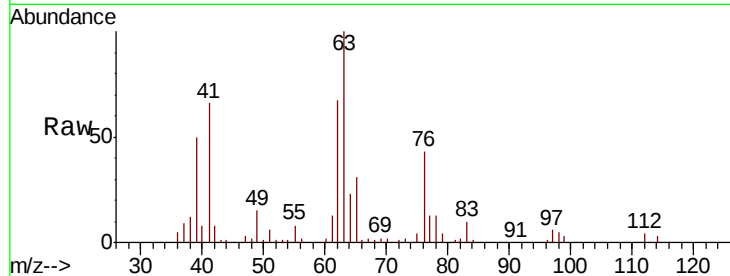




#37
 1,2-Dichloropropane
 Concen: 4.814 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040477.D
 Acq: 03 Oct 2020 13:56

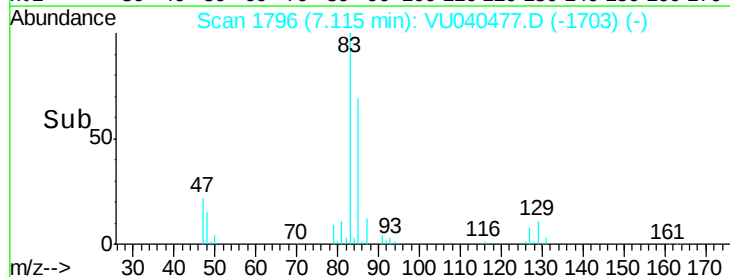
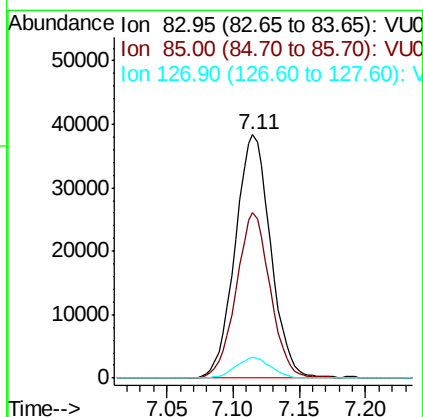
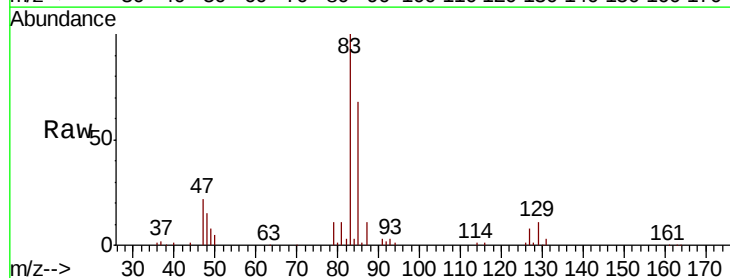
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB13

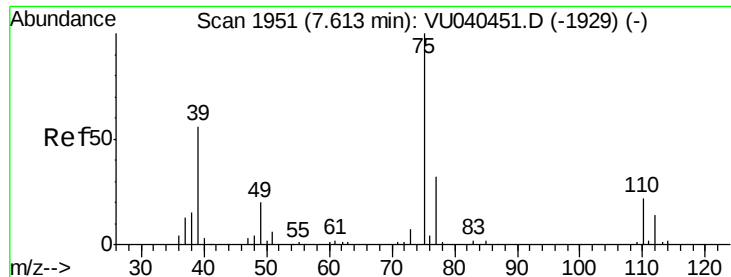
Tot Ion: 63 Resp: 58800
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.2 4.8



#38
 Bromodichloromethane
 Concen: 4.741 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040477.D
 Acq: 03 Oct 2020 13:56

Tgt Ion: 83 Resp: 71501
 Ion Ratio Lower Upper
 83 100
 85 68.1 45.1 83.9
 127 8.4 6.6 9.8

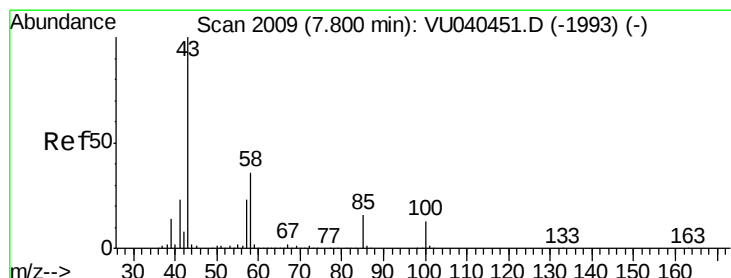
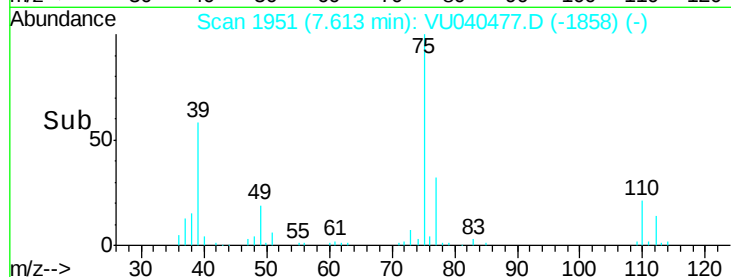
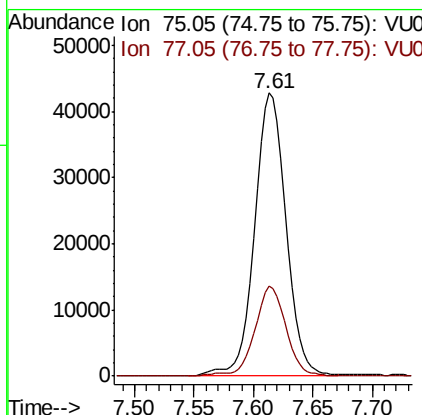
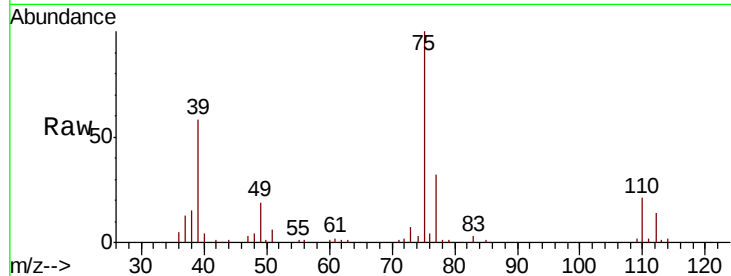




#39
 cis-1,3-Dichloropropene
 Concen: 4.785 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU040477.D
 Acq: 03 Oct 2020 13:56

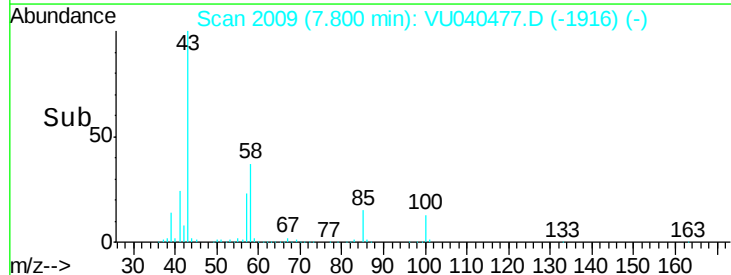
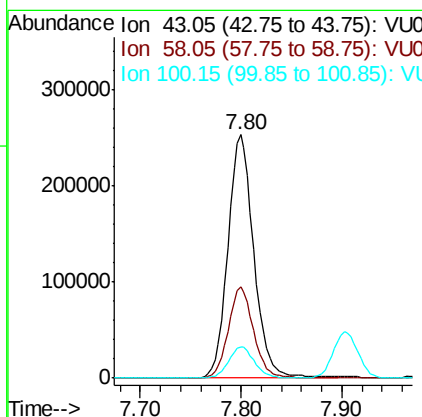
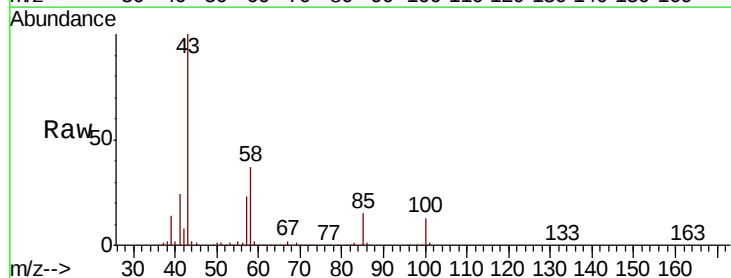
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB13

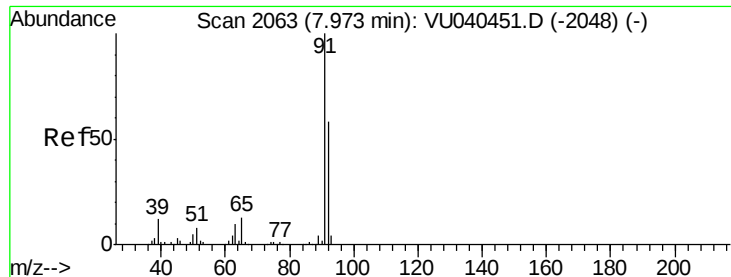
Tot Ion: 75 Resp: 78389
 Ion Ratio Lower Upper
 75 100
 77 31.9 23.5 43.7



#40
 4-Methyl-2-pentanone
 Concen: 47.393 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040477.D
 Acq: 03 Oct 2020 13:56

Tgt Ion: 43 Resp: 453301
 Ion Ratio Lower Upper
 43 100
 58 36.4 29.2 43.8
 100 12.9 10.3 15.5





#42

Toluene

Concen: 4.767 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU040477.D

Acq: 03 Oct 2020 13:56

Instrument :

MSVOA_U

ClientSampleId :

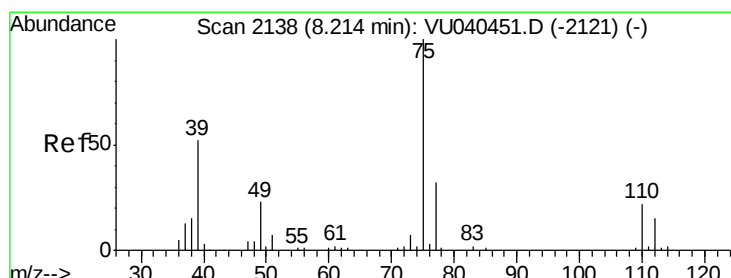
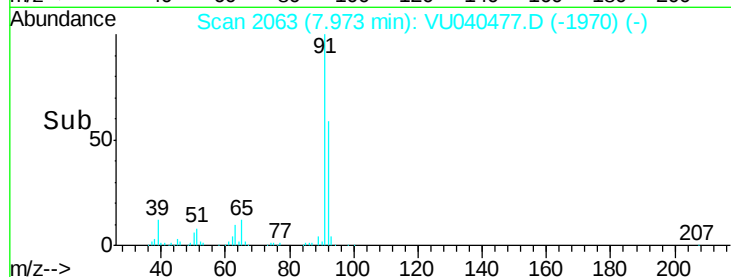
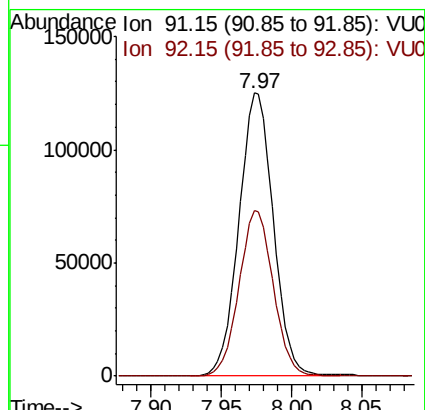
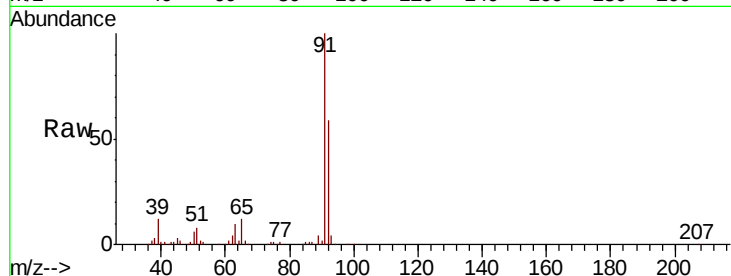
BFB13

Tot Ion: 91 Resp: 214375

Ion Ratio Lower Upper

91 100

92 58.5 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 4.756 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU040477.D

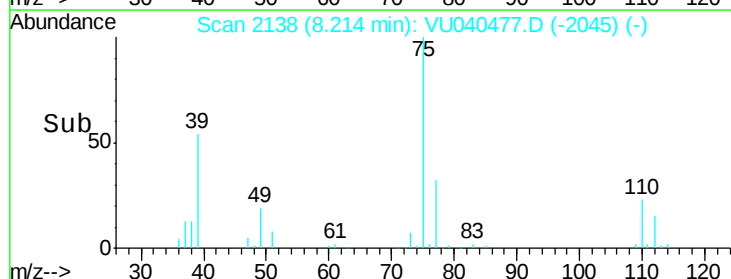
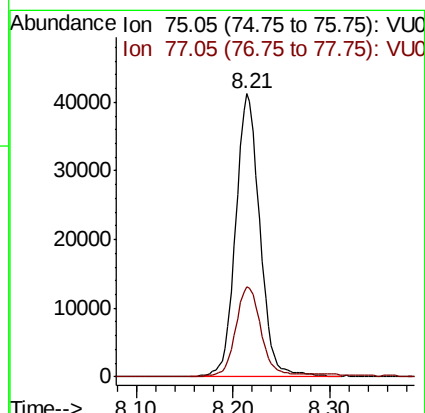
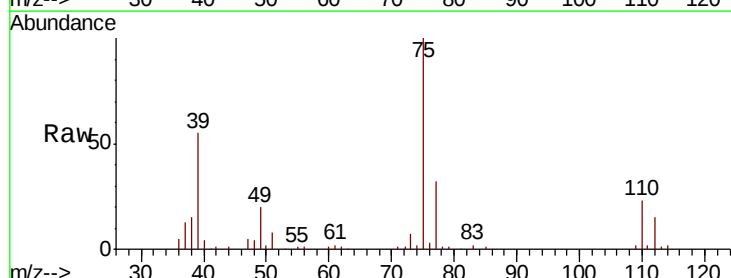
Acq: 03 Oct 2020 13:56

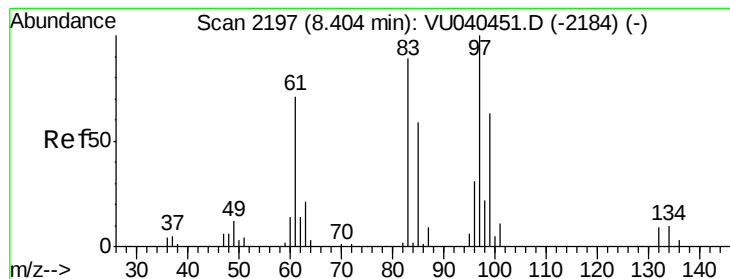
Tgt Ion: 75 Resp: 71831

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 4.753 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU040477.D

Acq: 03 Oct 2020 13:56

Instrument :

MSVOA_U

ClientSampleId :

BFB13

Tot Ion: 97 Resp: 40694

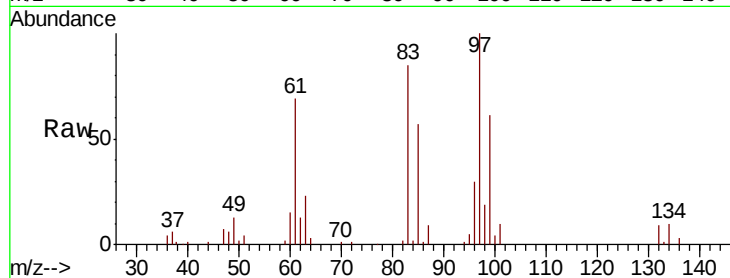
Ion Ratio Lower Upper

97 100

99 61.4 45.8 85.0

83 85.0 62.9 116.9

85 57.4 41.7 77.5

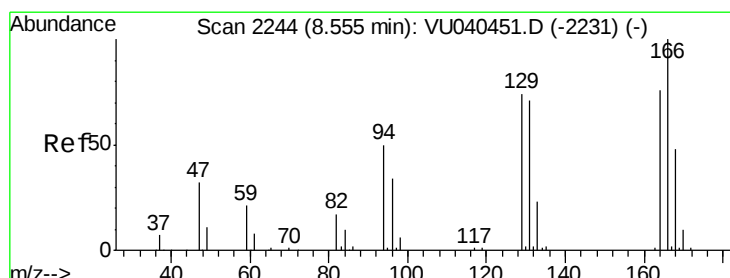
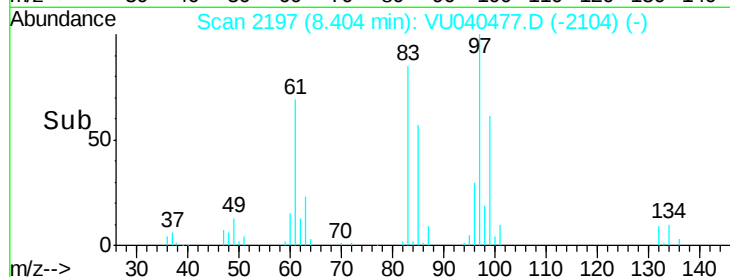
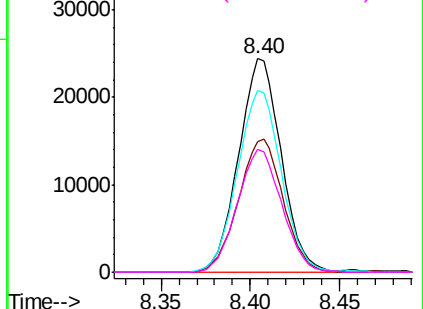


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.674 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU040477.D

Acq: 03 Oct 2020 13:56

Tgt Ion: 164 Resp: 38643

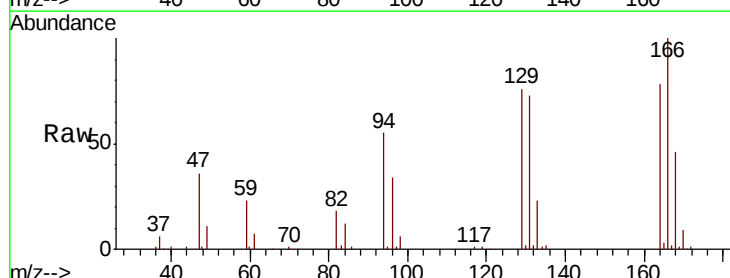
Ion Ratio Lower Upper

164 100

129 97.9 70.3 130.7

131 94.1 69.2 128.6

166 128.5 91.1 169.3

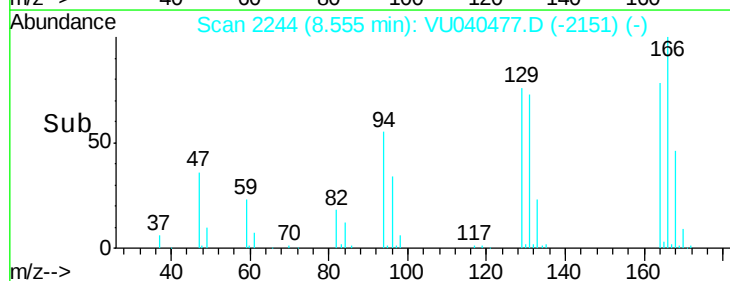
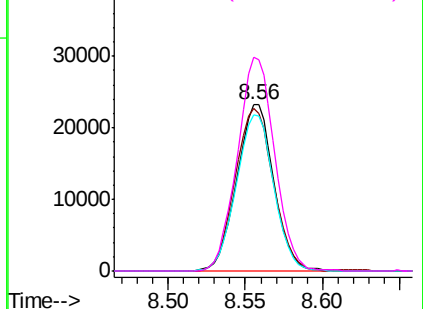


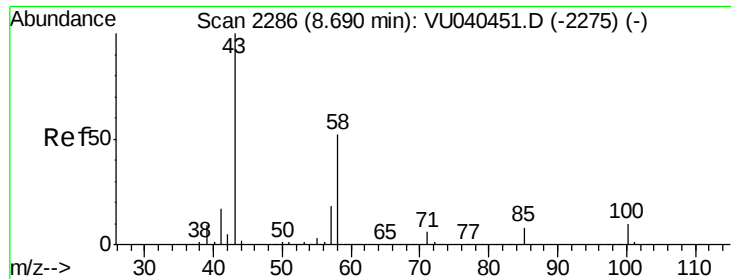
Abundance Ion 163.90 (163.60 to 164.60): V

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

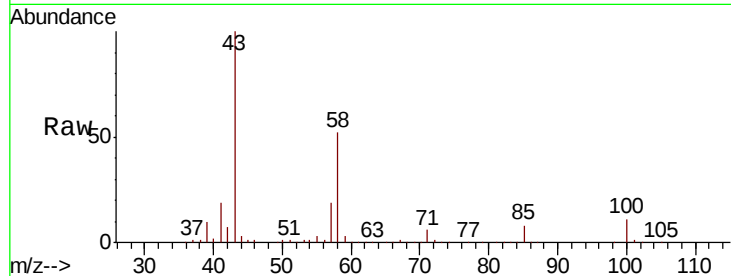




#48
2-Hexanone
Concen: 48.549 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040477.D
Acq: 03 Oct 2020 13:56

Instrument :
MSVOA_U
ClientSampleId :
BFB13

Tot Ion:	43	Resp:	342171
Ion	Ratio	Lower	Upper
43	100		
58	50.6	41.0	61.4
57	17.7	14.6	22.0
100	10.3	8.2	12.4

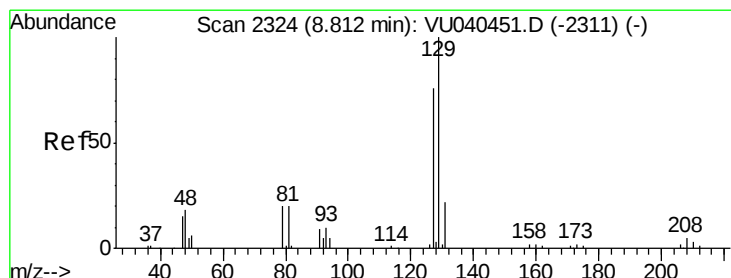
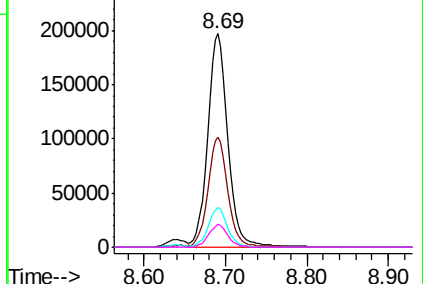
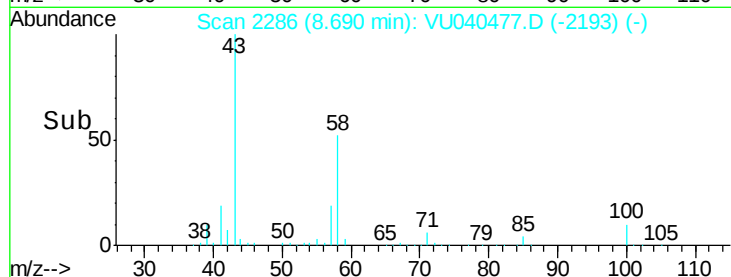


Abundance Ion 43.05 (42.75 to 43.75): VU040477.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU040477.D (-2193) (-)

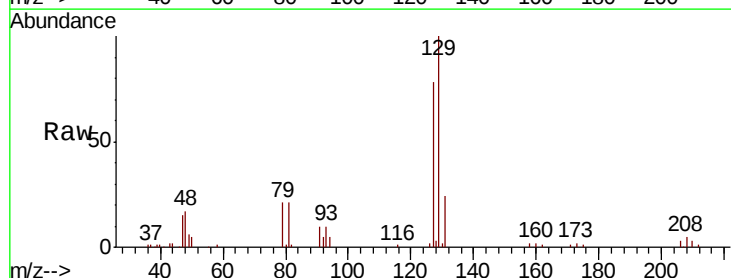
Ion 57.20 (56.90 to 57.90): VU040477.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU040477.D (-2193) (-)



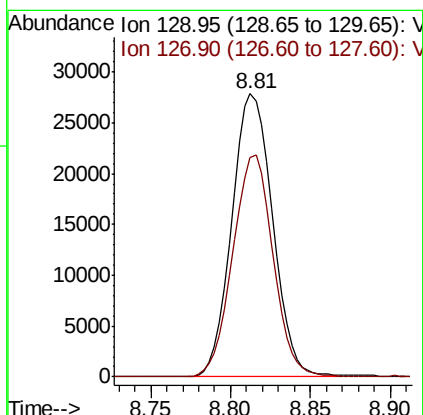
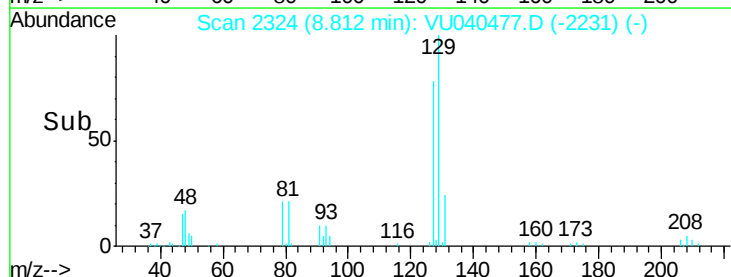
#49
Dibromochloromethane
Concen: 4.867 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU040477.D
Acq: 03 Oct 2020 13:56

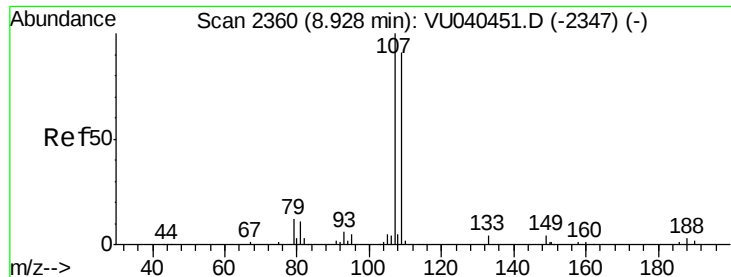
Tgt Ion:	129	Resp:	48476
Ion	Ratio	Lower	Upper
129	100		
127	77.6	55.4	103.0



Abundance Ion 128.95 (128.65 to 129.65): VU040477.D (-2231) (-)

Ion 126.90 (126.60 to 127.60): VU040477.D (-2231) (-)

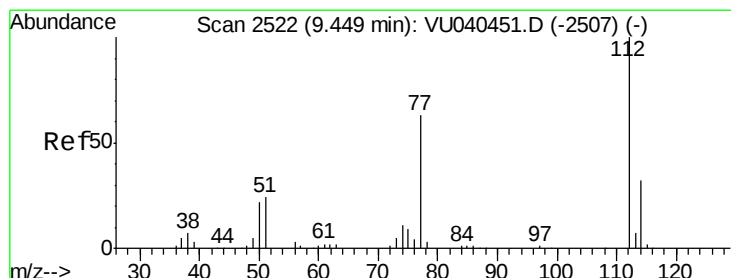
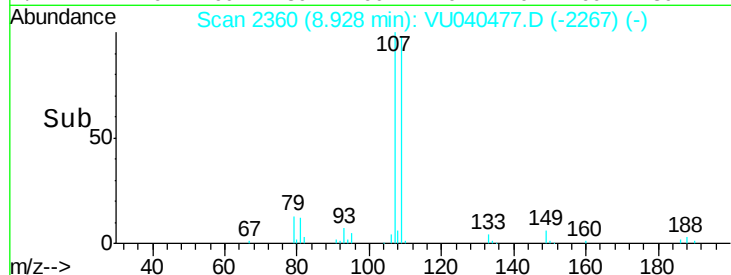
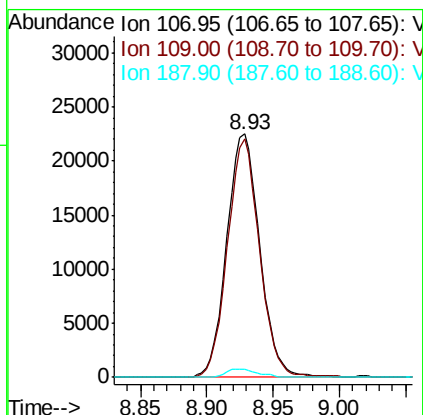
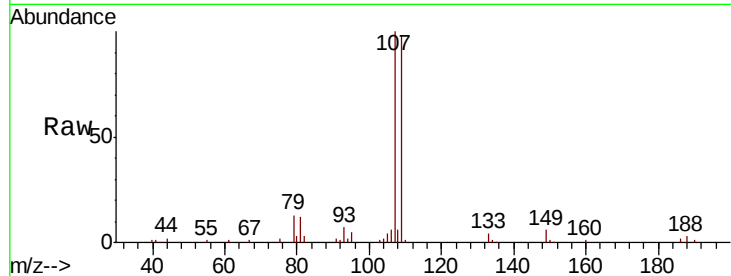




#50
 1,2-Dibromoethane
 Concen: 4.742 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040477.D
 Acq: 03 Oct 2020 13:56

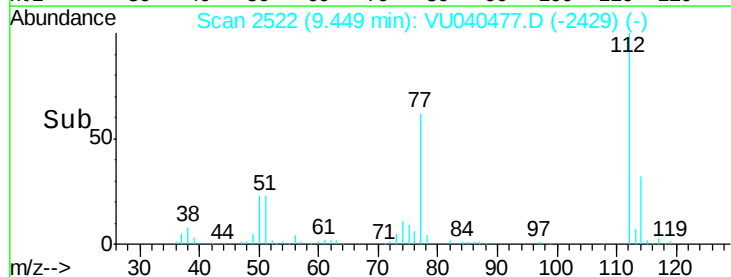
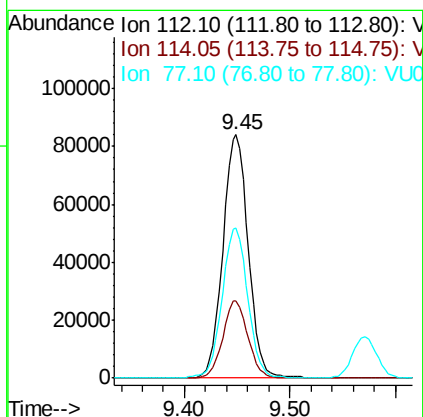
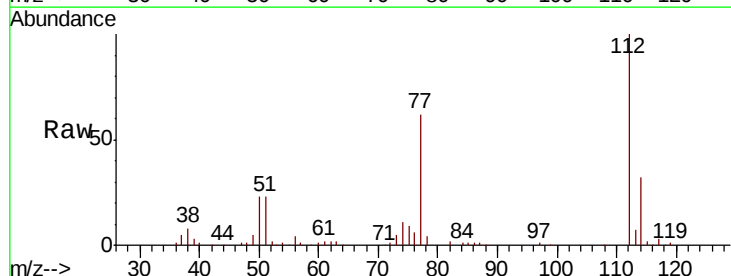
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB13

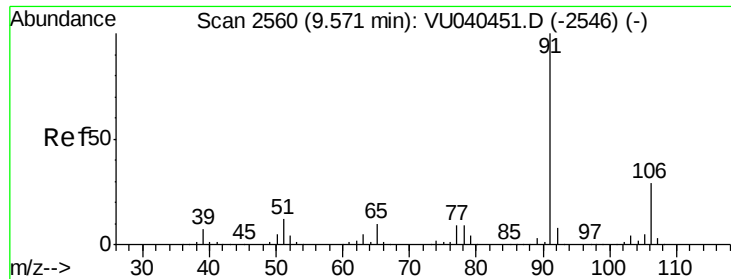
Tot Ion	Ratio	Lower	Upper
107	100		
109	98.0	69.4	128.8
188	3.3	3.3	4.9#



#51
 Chlorobenzene
 Concen: 4.794 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040477.D
 Acq: 03 Oct 2020 13:56

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.0	40.8
77	61.8	49.5	74.3





#52

Ethylbenzene

Concen: 4.738 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040477.D

Acq: 03 Oct 2020 13:56

Instrument :

MSVOA_U

ClientSampleId :

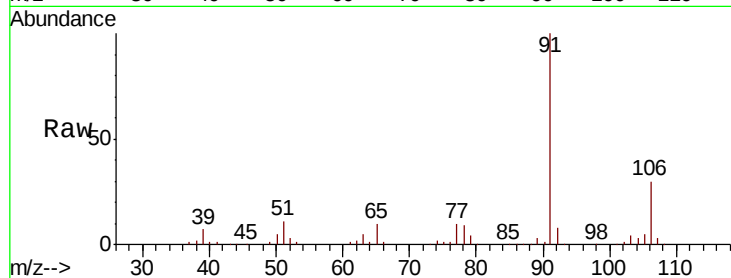
BFB13

Tot Ion: 91 Resp: 231222

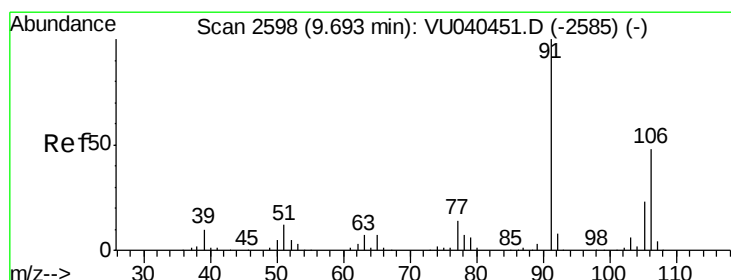
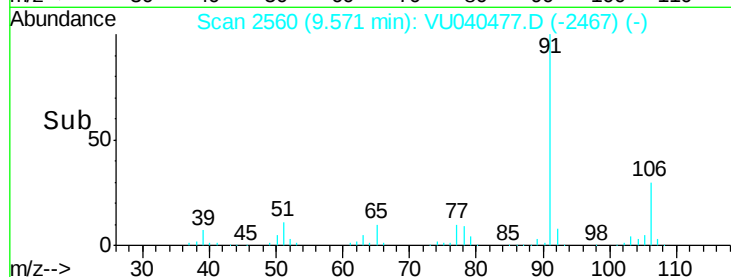
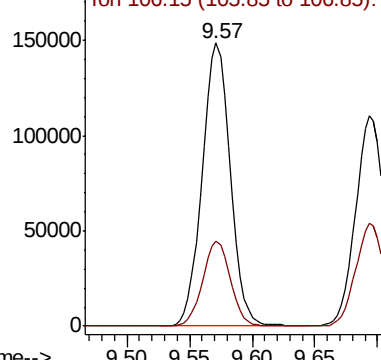
Ion Ratio Lower Upper

91 100

106 29.9 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU040477.D (-2467) (-)



#53

m,p-Xylene

Concen: 4.859 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040477.D

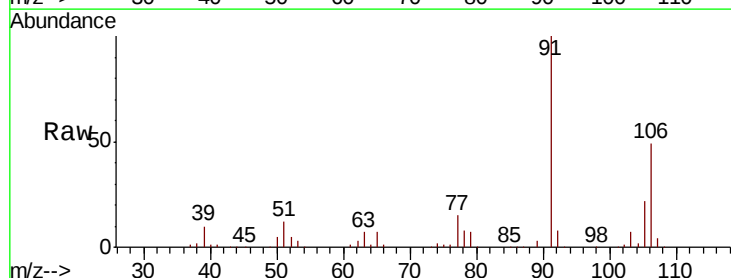
Acq: 03 Oct 2020 13:56

Tgt Ion: 106 Resp: 88340

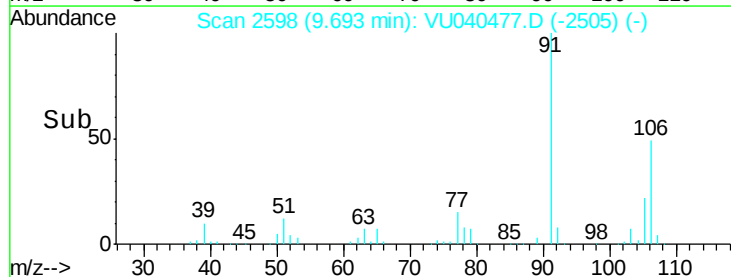
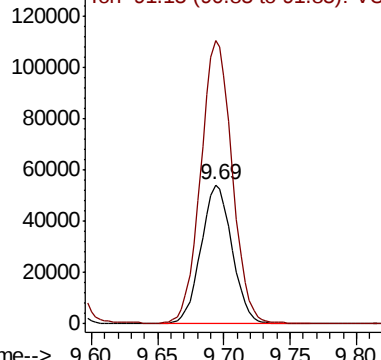
Ion Ratio Lower Upper

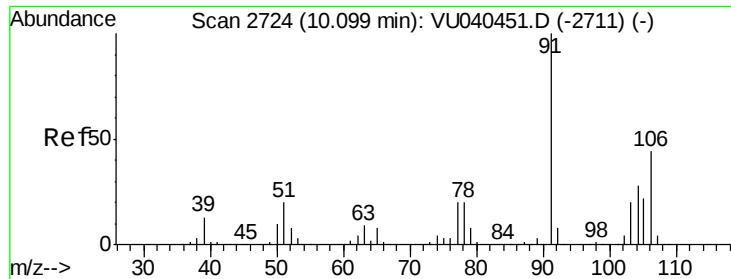
106 100

91 204.0 149.0 276.6



Abundance Ion 106.15 (105.85 to 106.85): VU040477.D (-2505) (-)

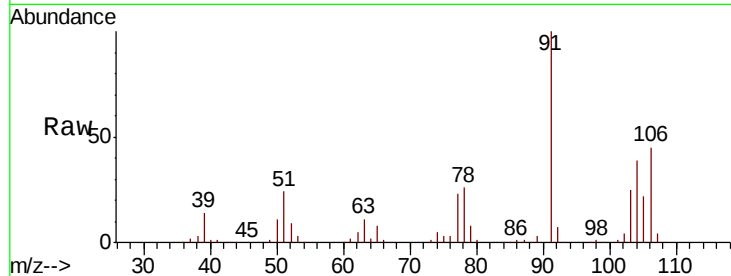




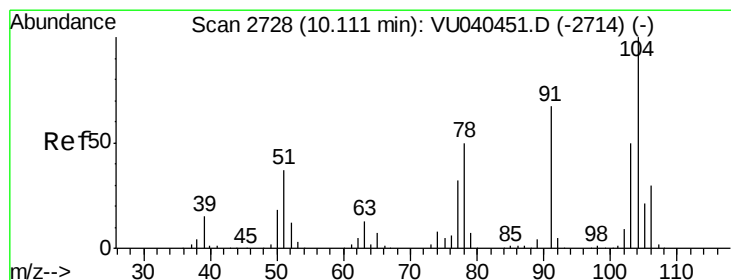
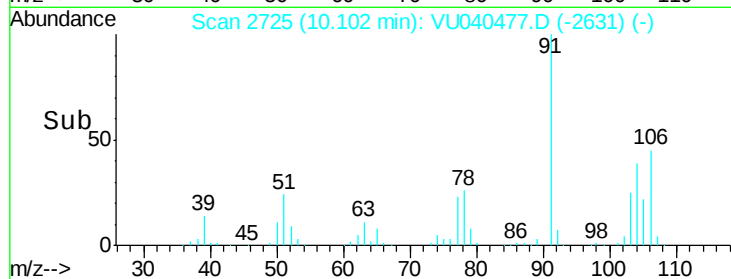
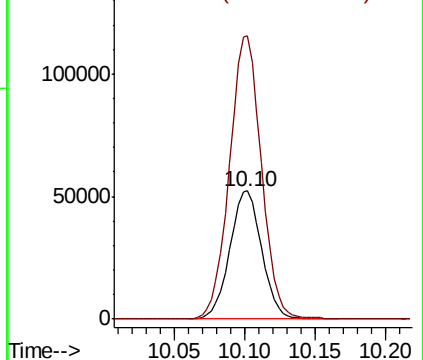
#54
o-Xylene
Concen: 4.857 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040477.D
Acq: 03 Oct 2020 13:56

Instrument :
MSVOA_U
ClientSampleId :
BFB13

Tot Ion:106 Resp: 83065
Ion Ratio Lower Upper
106 100
91 220.4 160.9 298.9

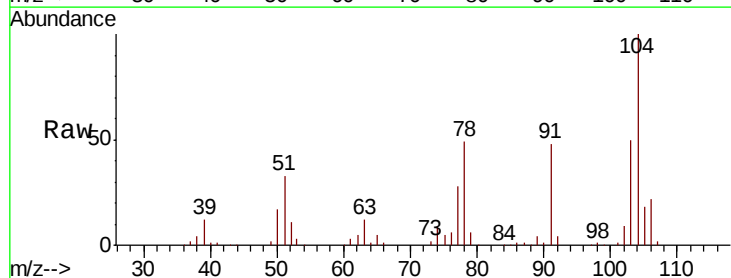


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

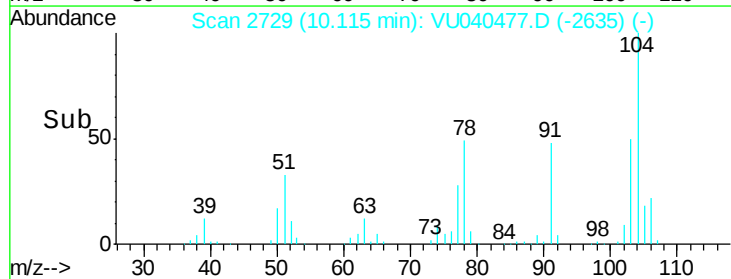
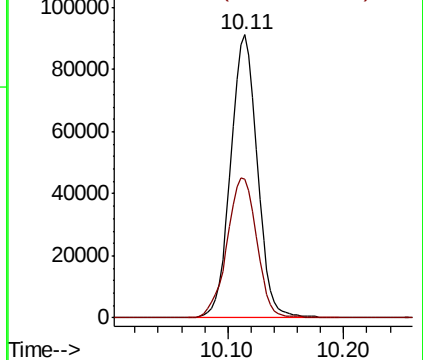


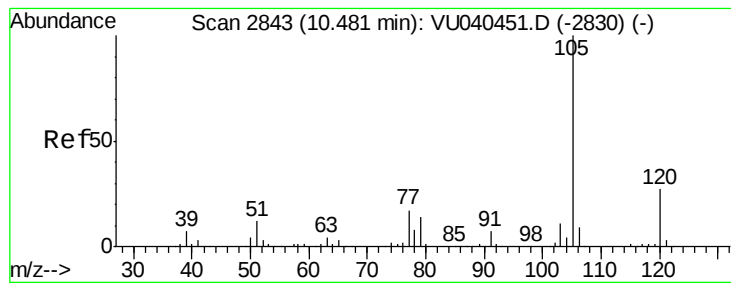
#55
Styrene
Concen: 4.858 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040477.D
Acq: 03 Oct 2020 13:56

Tgt Ion:104 Resp: 144935
Ion Ratio Lower Upper
104 100
78 49.2 34.4 63.8



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





#56

Isopropylbenzene

Concen: 4.837 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU040477.D

Acq: 03 Oct 2020 13:56

Instrument :

MSVOA_U

ClientSampleId :

BFB13

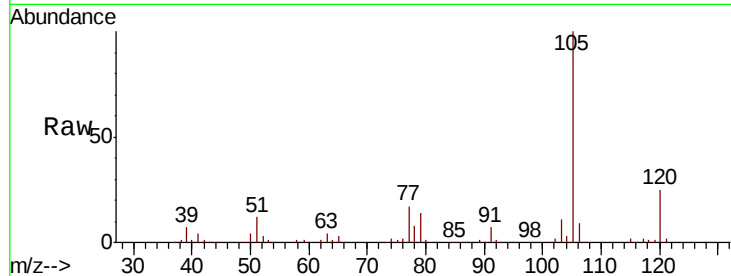
Tot Ion:105 Resp: 223222

Ion Ratio Lower Upper

105 100

120 25.5 20.6 30.8

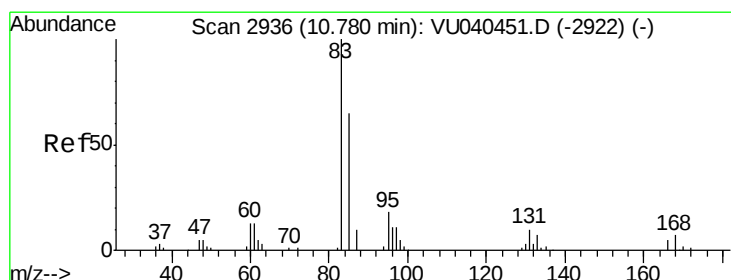
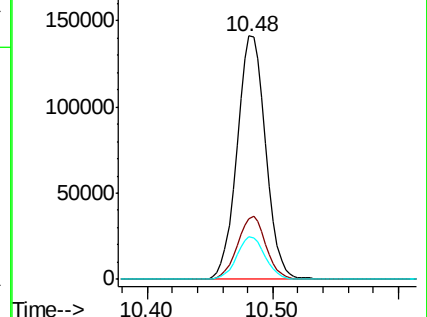
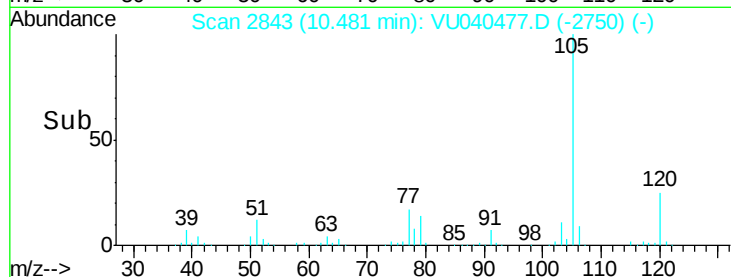
77 17.3 14.3 21.5



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: 4.522 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040477.D

Acq: 03 Oct 2020 13:56

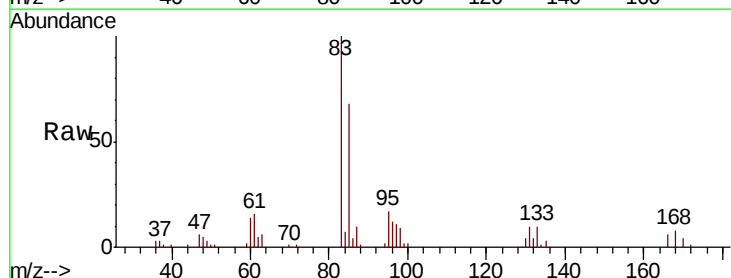
Tgt Ion: 83 Resp: 52476

Ion Ratio Lower Upper

83 100

85 68.1 45.1 83.9

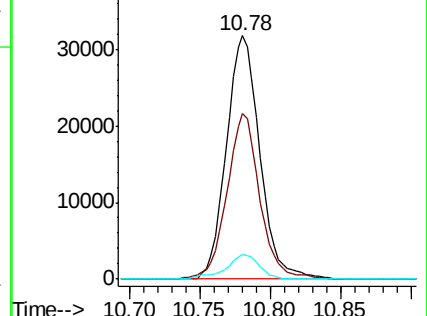
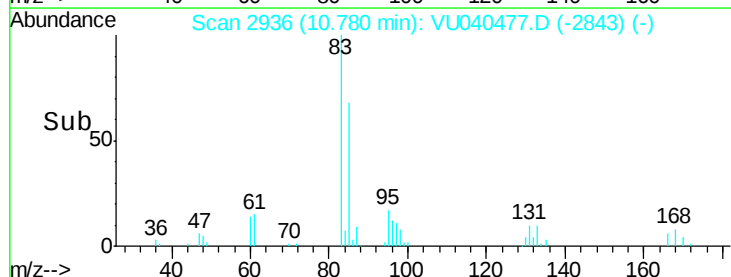
131 10.0 6.6 10.0#

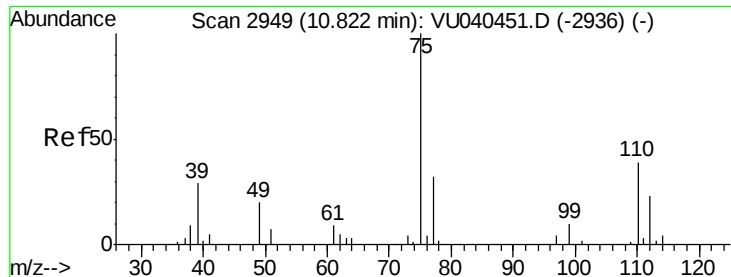


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.497 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040477.D

Acq: 03 Oct 2020 13:56

Instrument :

MSVOA_U

ClientSampled :

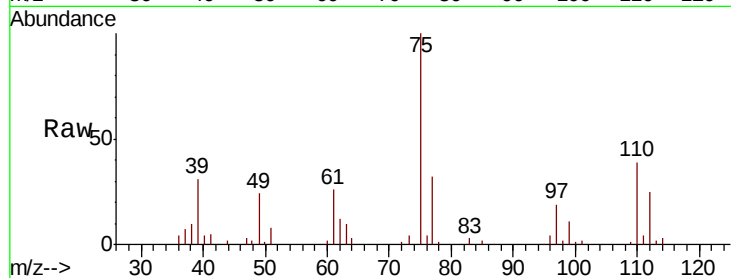
BFB13

Tot Ion: 75 Resp: 39815

Ion Ratio Lower Upper

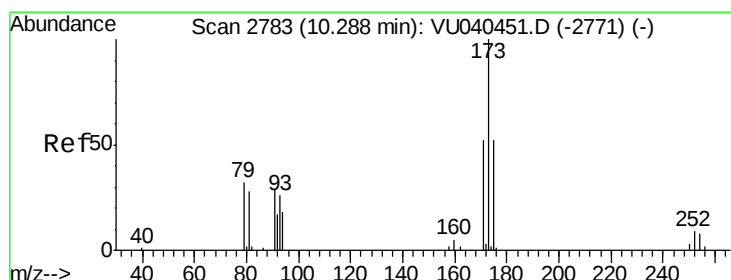
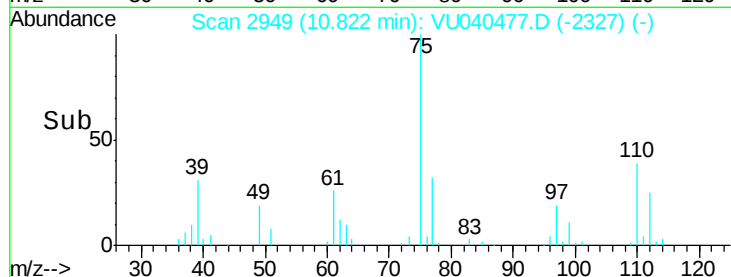
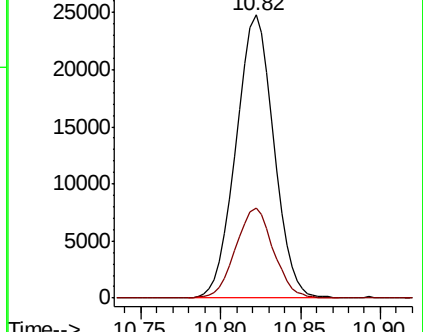
75 100

77 31.8 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU040451.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU040451.D (-2936) (-)



#61

Bromoform

Concen: 4.602 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. 0.00 min

Lab File: VU040477.D

Acq: 03 Oct 2020 13:56

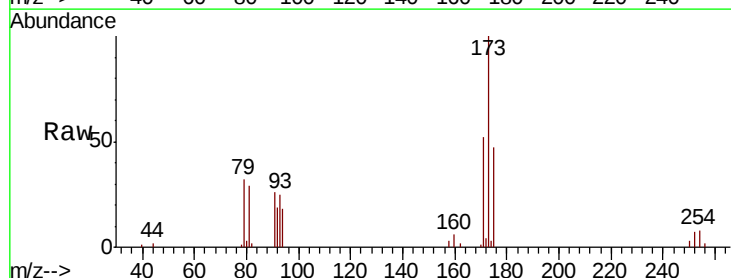
Tgt Ion: 173 Resp: 26128

Ion Ratio Lower Upper

173 100

175 47.9 39.6 59.4

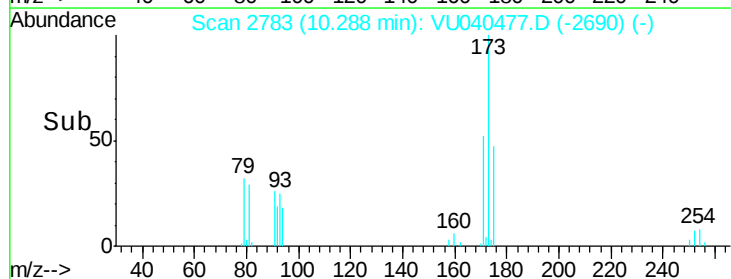
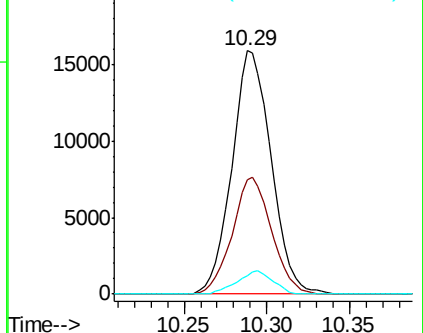
254 8.7 7.0 10.4

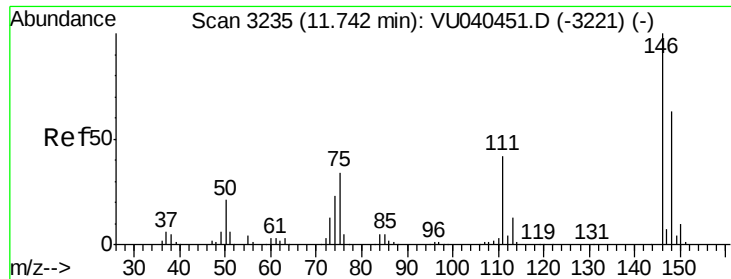


Abundance Ion 172.90 (172.60 to 173.60): VU040451.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU040451.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU040451.D (-2771) (-)

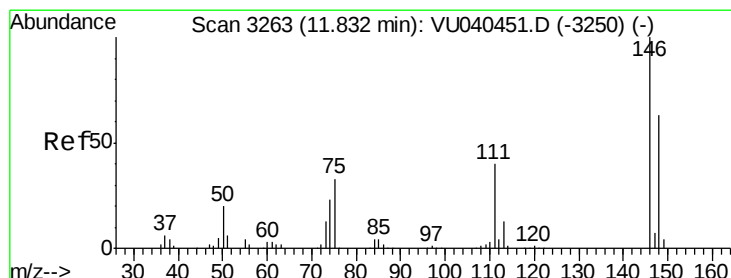
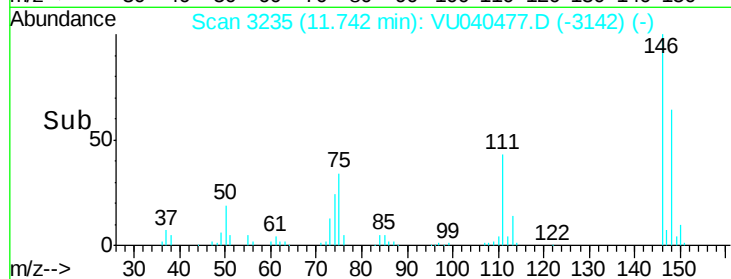
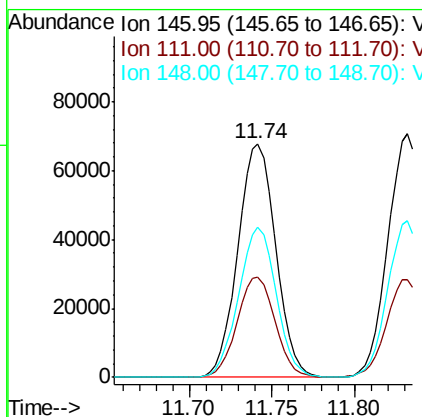
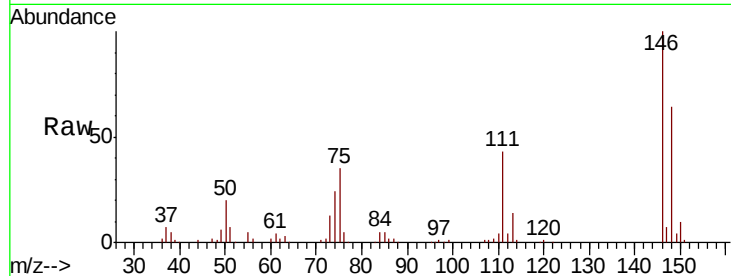




#62
 1,3-Dichlorobenzene
 Concen: 4.751 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040477.D
 Acq: 03 Oct 2020 13:56

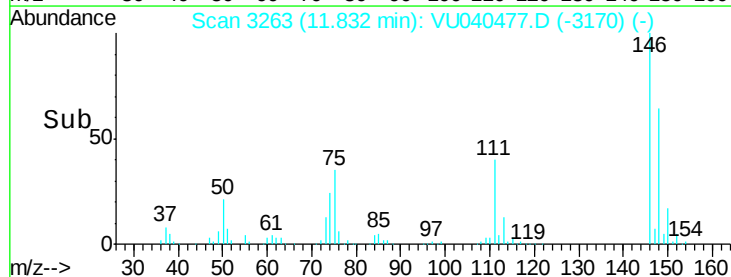
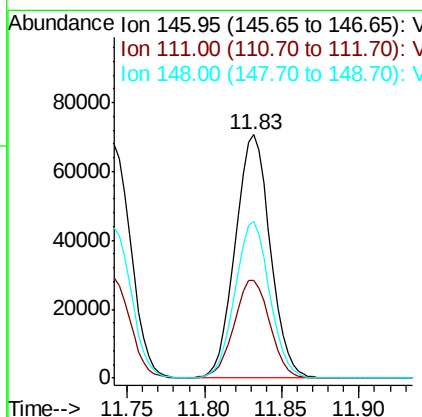
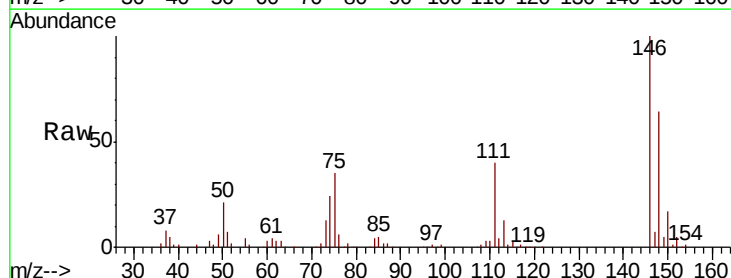
Instrument :
 MSVOA_U
 ClientSampled :
 BFB13

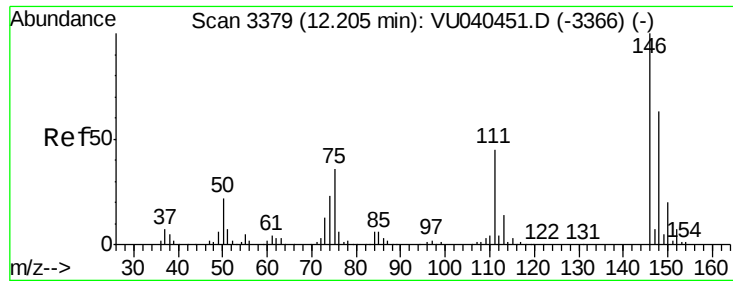
Tot Ion:146 Resp: 108050
 Ion Ratio Lower Upper
 146 100
 111 42.9 28.6 53.0
 148 64.2 43.4 80.6



#63
 1,4-Dichlorobenzene
 Concen: 4.699 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040477.D
 Acq: 03 Oct 2020 13:56

Tgt Ion:146 Resp: 111154
 Ion Ratio Lower Upper
 146 100
 111 40.1 29.2 54.2
 148 64.1 44.4 82.4





#65

1,2-Dichlorobenzene

Concen: 4.655 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040477.D

Acq: 03 Oct 2020 13:56

Instrument :

MSVOA_U

ClientSampleId :

BFB13

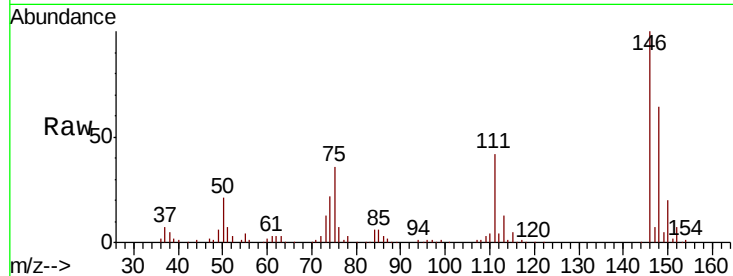
Tot Ion:146 Resp: 102914

Ion Ratio Lower Upper

146 100

111 42.5 35.6 53.4

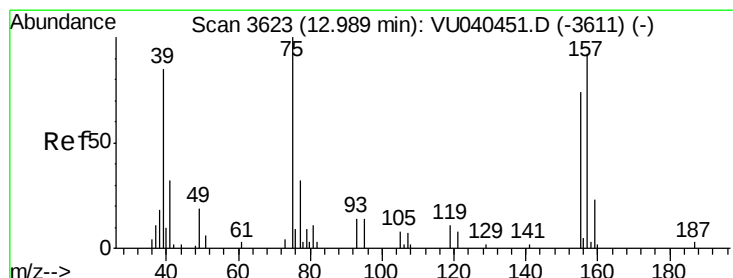
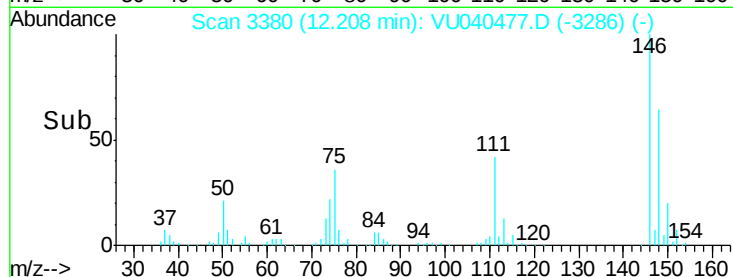
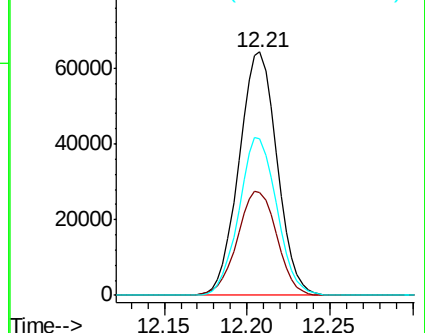
148 64.1 49.8 74.6



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.627 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040477.D

Acq: 03 Oct 2020 13:56

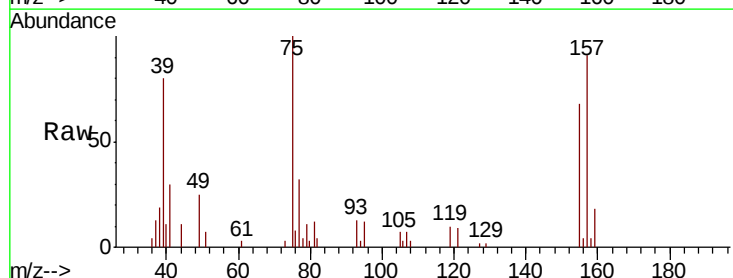
Tgt Ion: 75 Resp: 9221

Ion Ratio Lower Upper

75 100

155 67.8 59.4 89.2

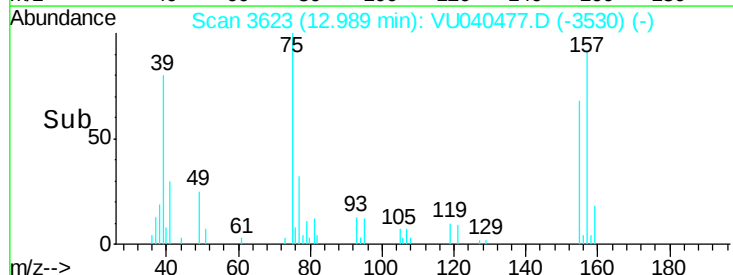
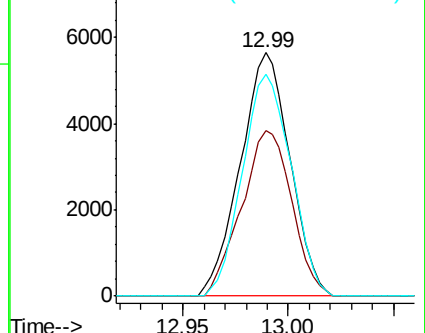
157 91.1 65.0 97.4

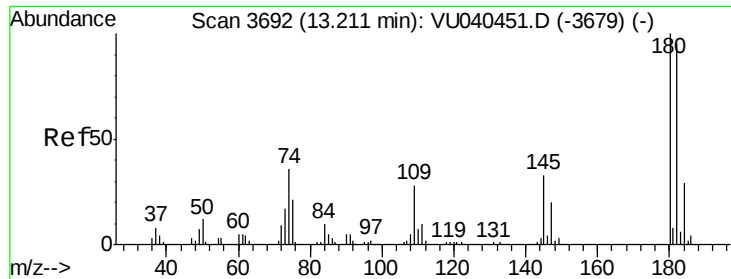


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

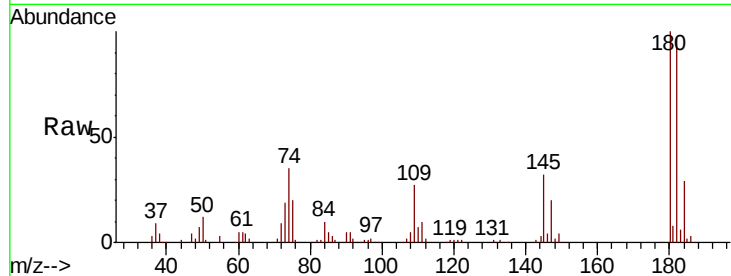




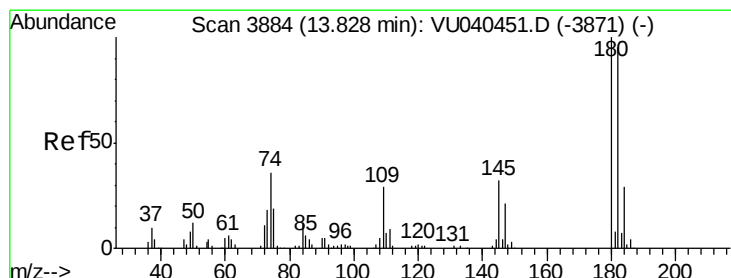
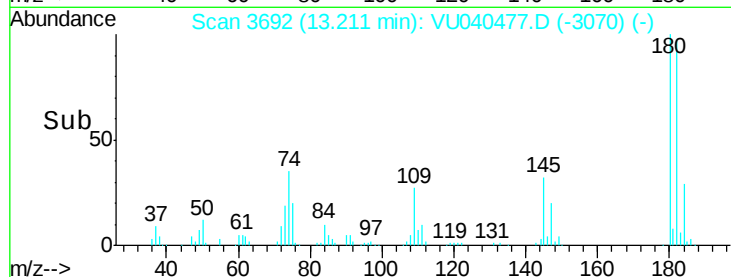
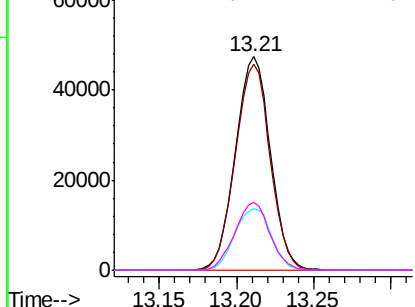
#67
 1,3,5-Trichlorobenzene
 Concen: 4.575 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040477.D
 Acq: 03 Oct 2020 13:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB13

Tot Ion:180 Resp: 74269
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.5 114.7
 184 30.5 24.6 37.0
 145 31.8 25.8 38.8

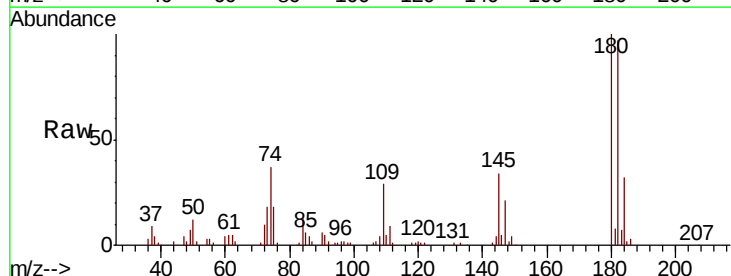


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

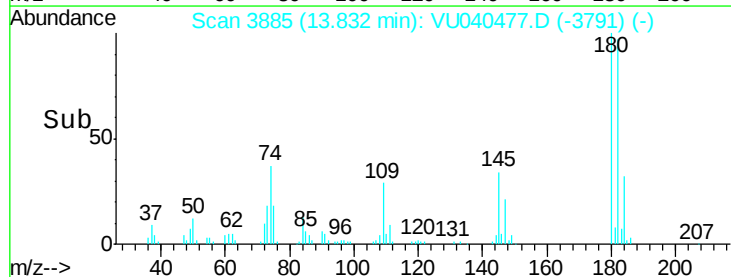
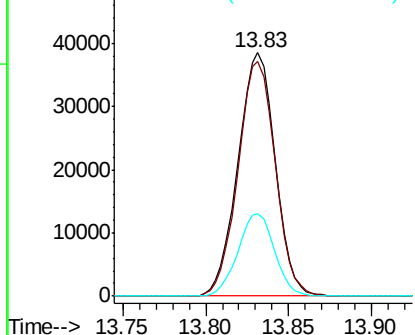


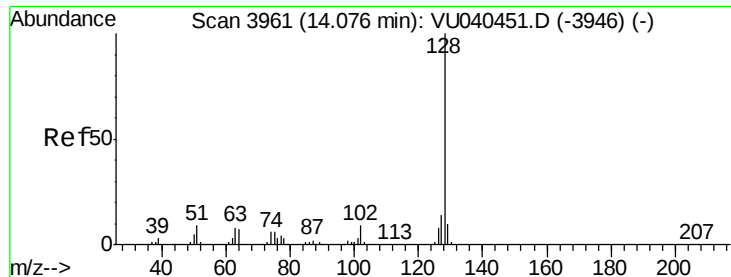
#68
 1,2,4-trichlorobenzene
 Concen: 4.623 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040477.D
 Acq: 03 Oct 2020 13:56

Tgt Ion:180 Resp: 60311
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.6 115.0
 145 33.2 26.3 39.5



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: 4.605 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040477.D

Acq: 03 Oct 2020 13:56

Instrument :

MSVOA_U

ClientSampleId :

BFB13

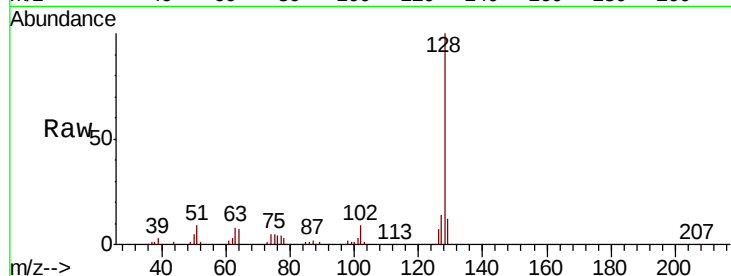
Tot Ion:128 Resp: 102668

Ion Ratio Lower Upper

128 100

129 10.8 8.2 12.4

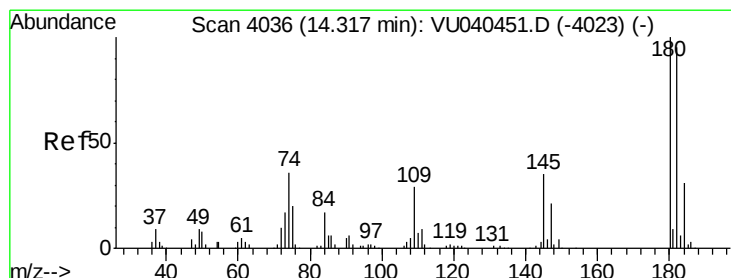
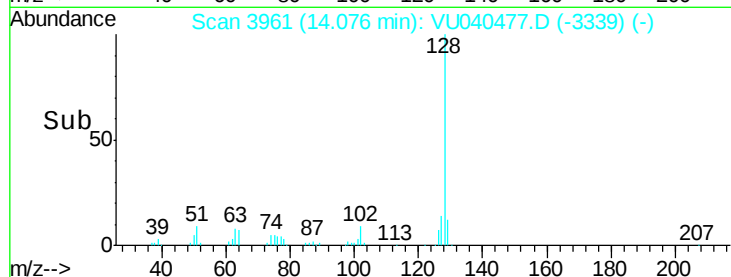
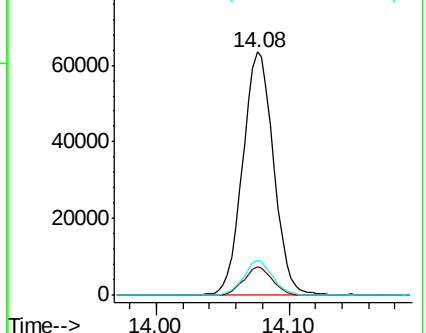
127 13.5 10.2 15.4



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: 4.779 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040477.D

Acq: 03 Oct 2020 13:56

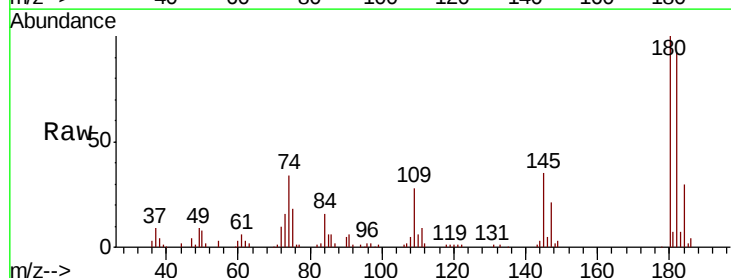
Tgt Ion:180 Resp: 57046

Ion Ratio Lower Upper

180 100

182 96.9 76.6 115.0

145 35.6 27.8 41.6



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

