

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120720\
 Data File : VU041492.D
 Acq On : 07 Dec 2020 14:52
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Quant Time: Dec 08 04:34:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 08 04:32:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	46141	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	51398	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	27151	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	10131	4.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.60%
7) Chloroethane-d5	1.92	69	10421	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.20%
11) 1,1-Dichloroethene-d2	2.58	63	29154	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.60%
20) 2-Butanone-d5	4.66	46	47385	53.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.64%
24) Chloroform-d	5.08	84	35027	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.00%
26) 1,2-Dichloroethane-d4	5.72	65	24248	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.40%
32) Benzene-d6	5.74	84	50587	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
36) 1,2-Dichloropropane-d6	6.70	67	14033	4.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.80%
41) Toluene-d8	7.90	98	47915	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloropropene-	8.18	79	9307	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
46) 2-Hexanone-d5	8.64	63	35834	43.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.82%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	16793	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	23493	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	20845	5.103	ug/L	98
3) Chloromethane	1.53	50	12682	4.803	ug/L	100
5) Vinyl chloride	1.61	62	15525	4.932	ug/L	97
6) Bromomethane	1.87	94	11951	5.491	ug/L	96
8) Chloroethane	1.94	64	9939	4.853	ug/L	96
9) Trichlorofluoromethane	2.15	101	40041	5.709	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	16462	5.237	ug/L	98
12) 1,1-Dichloroethene	2.59	96	14034	5.196	ug/L	88
13) Acetone	2.67	43	36050	52.105	ug/L	97
14) Carbon disulfide	2.81	76	40222	4.831	ug/L	97
15) Methyl Acetate	2.98	43	6214	4.908	ug/L	96
16) Methylene chloride	3.06	84	14901	4.133	ug/L	94
17) Methyl tert-butyl Ether	3.38	73	42314	5.163	ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	14056	5.152	ug/L	95
19) 1,1-Dichloroethane	3.89	63	26526	5.263	ug/L	97
21) 2-Butanone	4.74	43	45733	52.827	ug/L	97
22) cis-1,2-Dichloroethene	4.68	96	16164	5.343	ug/L	94

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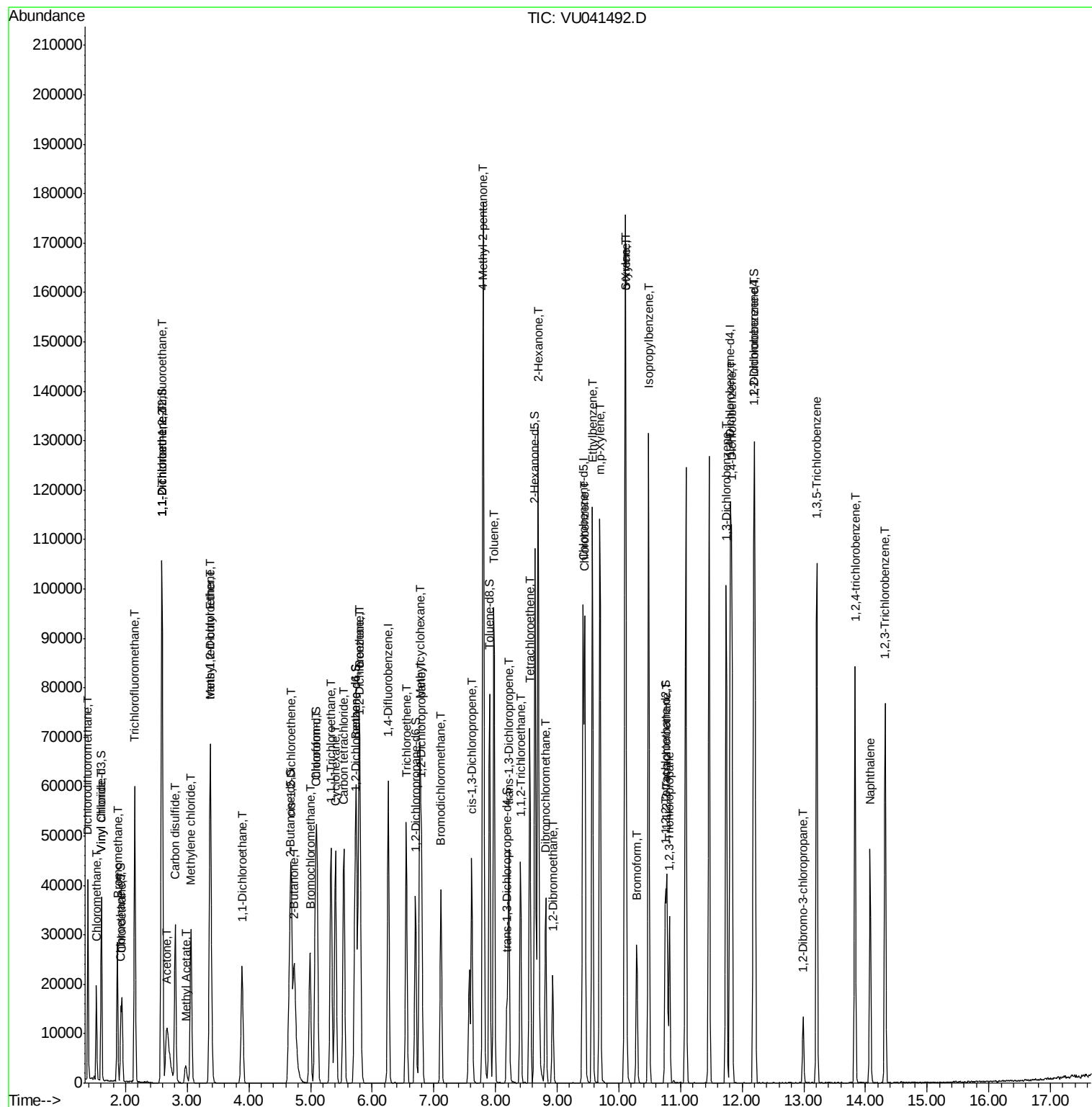
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	8774	5.549	ug/L	96
25) Chloroform	5.11	83	34836	5.425	ug/L	99
27) 1,2-Dichloroethane	5.81	62	29129	5.804	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	36145	4.907	ug/L	98
30) Cyclohexane	5.40	56	20217	4.365	ug/L	92
31) Carbon tetrachloride	5.54	117	33465	4.906	ug/L	100
33) Benzene	5.79	78	58227	4.577	ug/L	100
34) Trichloroethene	6.55	95	17502	4.558	ug/L	98
35) Methylcyclohexane	6.77	83	23727	4.530	ug/L	98
37) 1,2-Dichloropropane	6.80	63	13512	4.532	ug/L	98
38) Bromodichloromethane	7.11	83	25023	4.594	ug/L #	99
39) cis-1,3-Dichloropropene	7.61	75	24250	4.503	ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	104214	43.630	ug/L	98
42) Toluene	7.98	91	64912	4.533	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	26073	4.847	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	12696	4.416	ug/L	98
47) Tetrachloroethene	8.56	164	14879	4.906	ug/L	96
48) 2-Hexanone	8.69	43	79750	41.551	ug/L	97
49) Dibromochloromethane	8.81	129	19375	4.946	ug/L	98
50) 1,2-Dibromoethane	8.93	107	13436	4.633	ug/L	93
51) Chlorobenzene	9.45	112	47414	4.969	ug/L	96
52) Ethylbenzene	9.57	91	78728	4.798	ug/L	99
53) m,p-Xylene	9.69	106	30036	5.043	ug/L	100
54) o-Xylene	10.10	106	28404	4.919	ug/L	93
55) Styrene	10.11	104	50009	5.100	ug/L	94
56) Isopropylbenzene	10.48	105	81285	4.986	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	16196	4.586	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	12918	4.466	ug/L	100
61) Bromoform	10.29	173	12818	5.619	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	38050	4.973	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	39662	5.056	ug/L	96
65) 1,2-Dichlorobenzene	12.21	146	37357	4.931	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	3899	5.254	ug/L	94
67) 1,3,5-Trichlorobenzene	13.21	180	30446	4.980	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	24521	5.011	ug/L	97
69) Naphthalene	14.08	128	37384	4.861	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	22256	5.138	ug/L	98

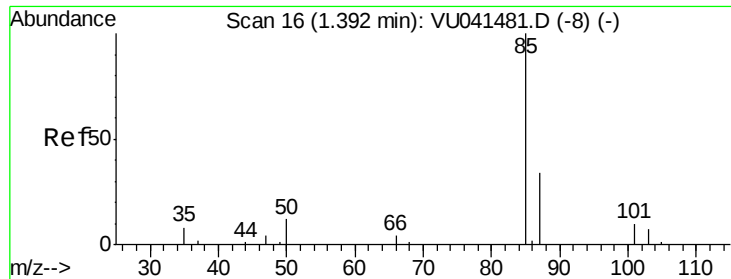
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.103 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041492.D

Acq: 07 Dec 2020 14:52

Instrument :

MSVOA_U

ClientSampleId :

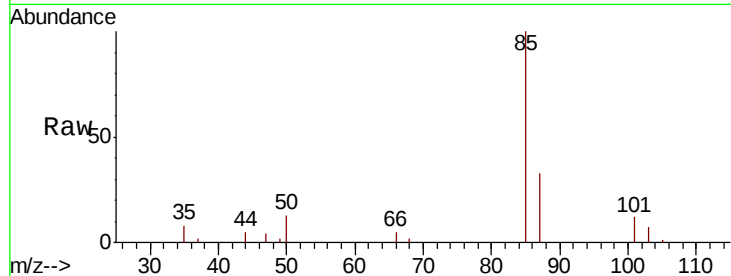
VSTD00530

Tot Ion: 85 Resp: 20845

Ion Ratio Lower Upper

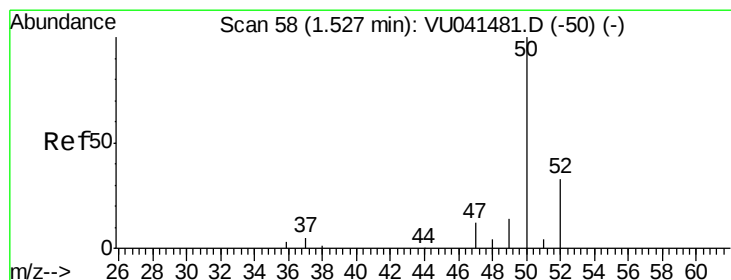
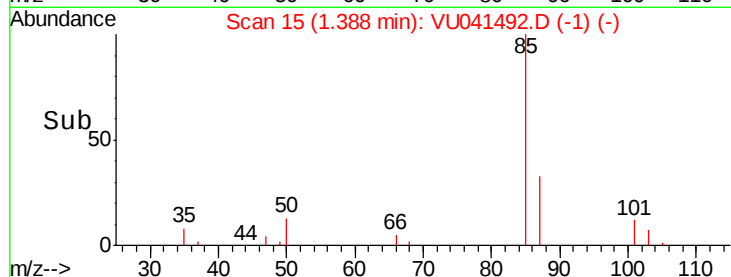
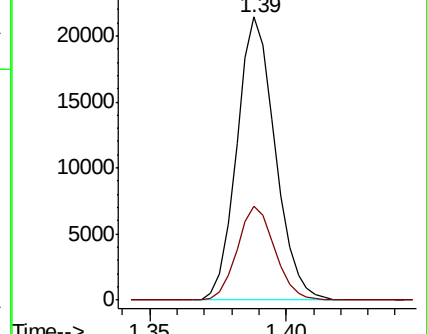
85 100

87 32.6 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VU041481.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU041481.D (-8) (-)



#3

Chloromethane

Concen: 4.803 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041492.D

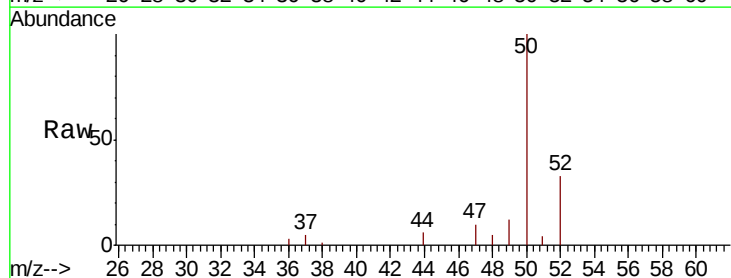
Acq: 07 Dec 2020 14:52

Tgt Ion: 50 Resp: 12682

Ion Ratio Lower Upper

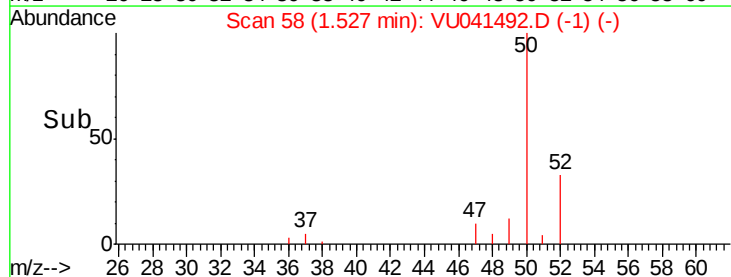
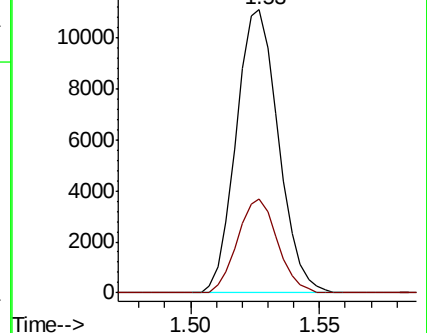
50 100

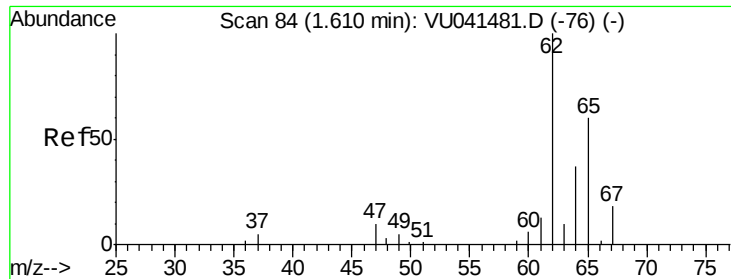
52 33.1 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU041481.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU041481.D (-50) (-)





#5

Vinyl chloride

Concen: 4.932 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041492.D

Acq: 07 Dec 2020 14:52

Instrument :

MSVOA_U

ClientSampleId :

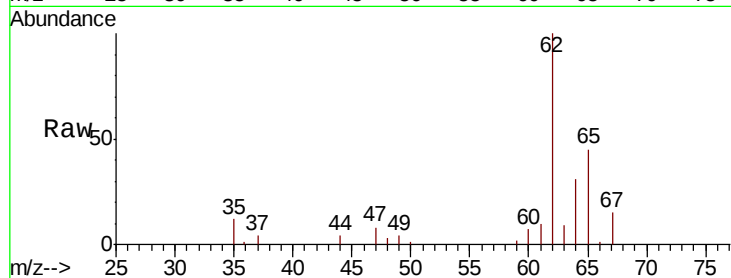
VSTD00530

Tot Ion: 62 Resp: 15525

Ion Ratio Lower Upper

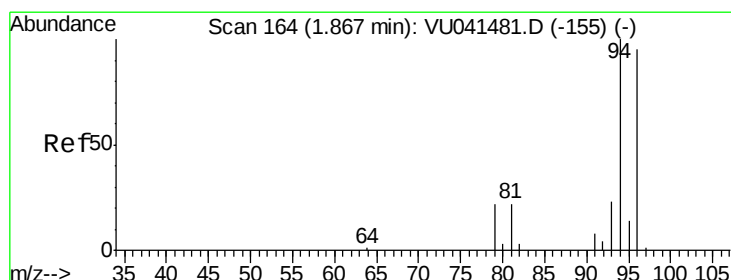
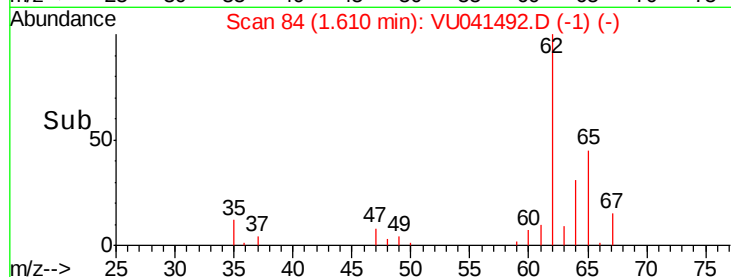
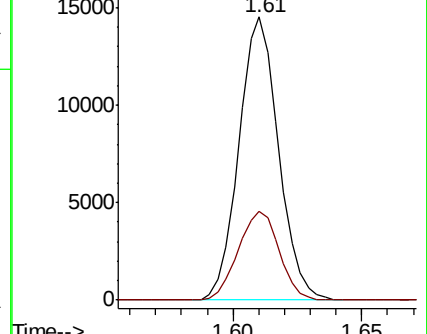
62 100

64 31.2 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: 5.491 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041492.D

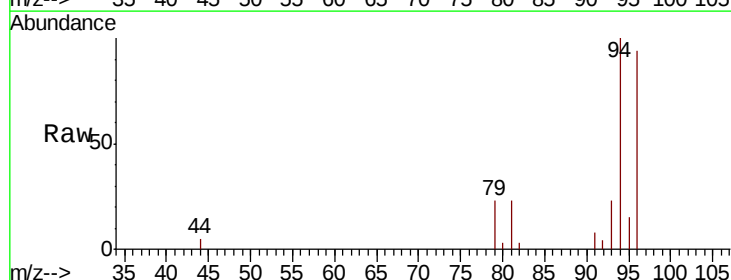
Acq: 07 Dec 2020 14:52

Tgt Ion: 94 Resp: 11951

Ion Ratio Lower Upper

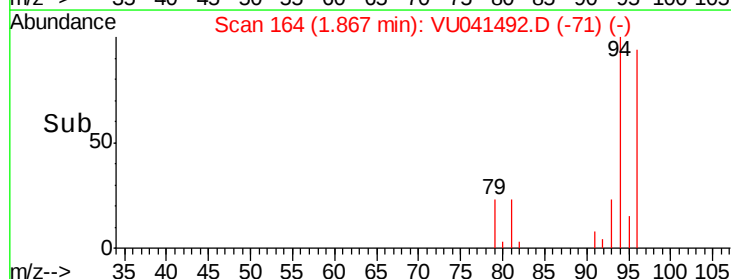
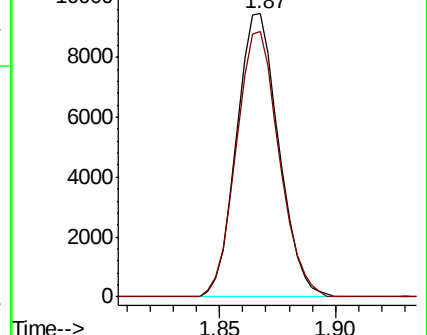
94 100

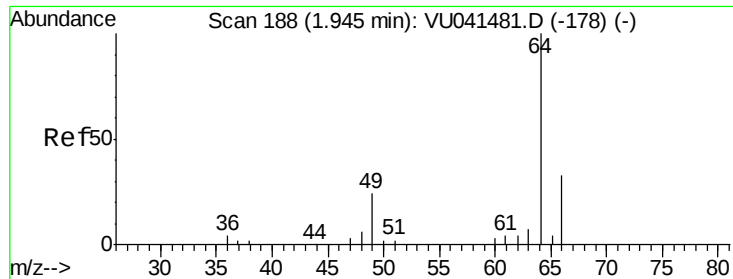
96 93.7 68.5 127.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

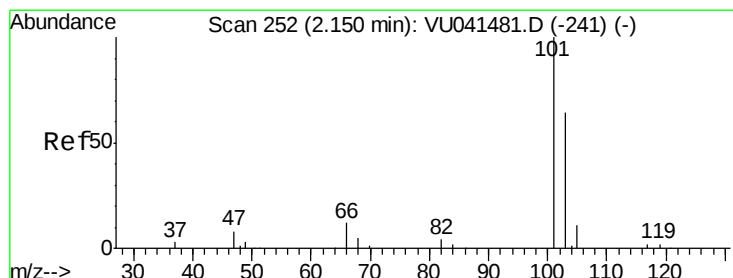
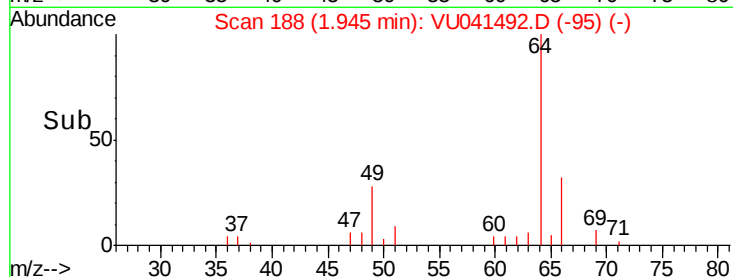
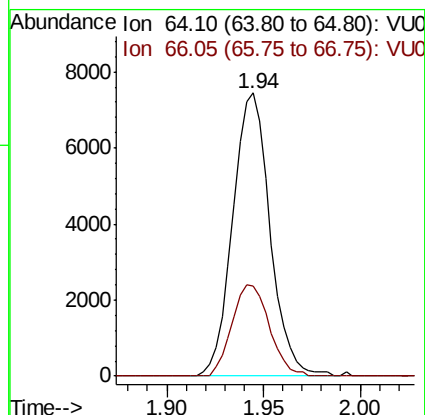
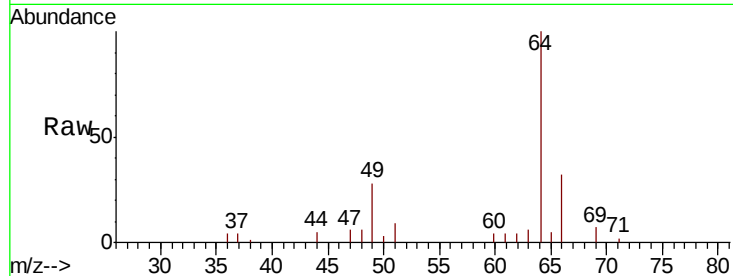




#8
 Chloroethane
 Concen: 4.853 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VU041492.D
 Acq: 07 Dec 2020 14:52

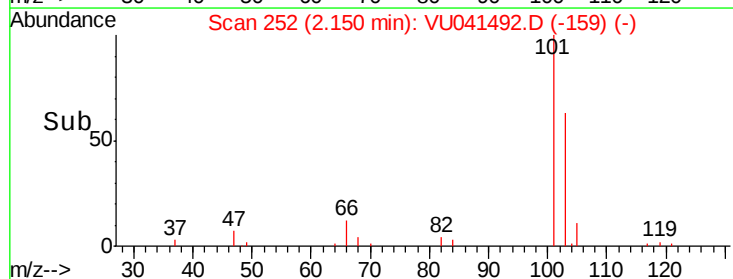
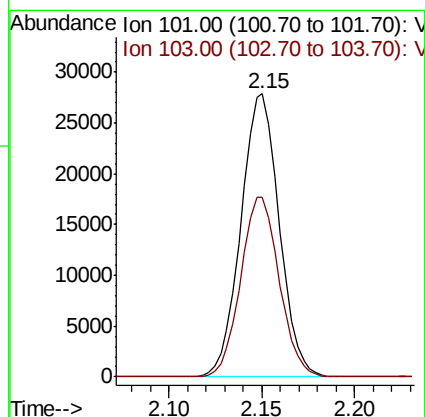
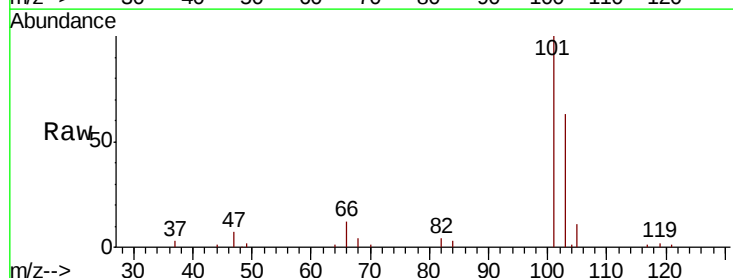
Instrument :
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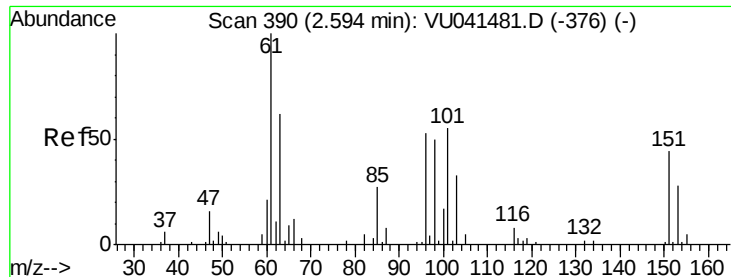
Tot Ion: 64 Resp: 9939
 Ion Ratio Lower Upper
 64 100
 66 31.9 20.9 38.9



#9
 Trichlorofluoromethane
 Concen: 5.709 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU041492.D
 Acq: 07 Dec 2020 14:52

Tgt Ion: 101 Resp: 40041
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.4 77.0





#10

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

Concen: 5.237 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041492.D

Acq: 07 Dec 2020 14:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

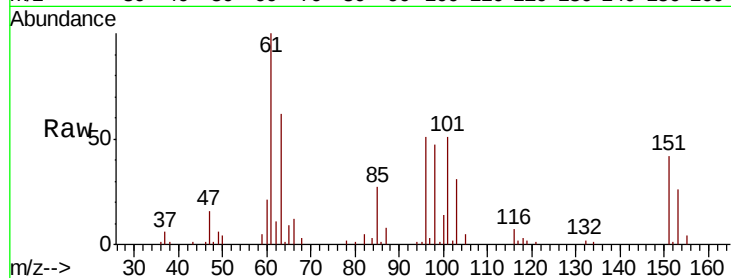
Tot Ion:101 Resp: 16462

Ion Ratio Lower Upper

101 100

85 47.5 39.4 59.2

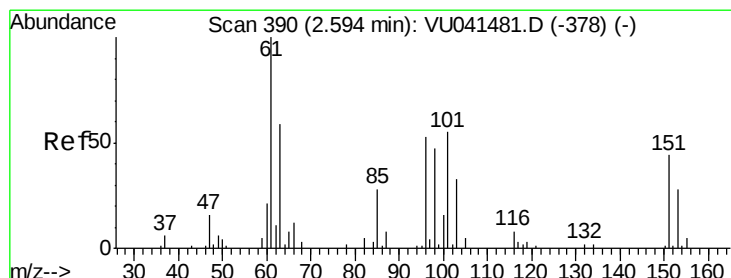
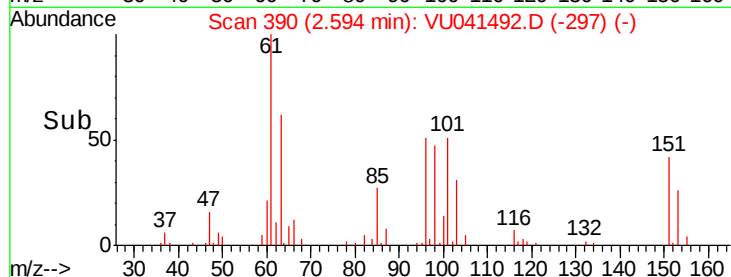
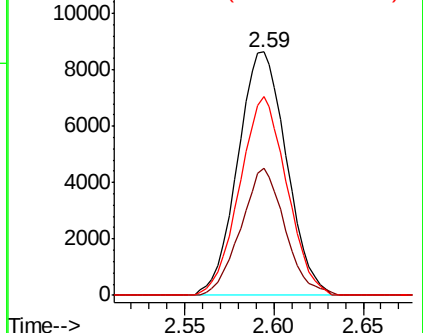
151 79.0 63.8 95.8



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: 5.196 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041492.D

Acq: 07 Dec 2020 14:52

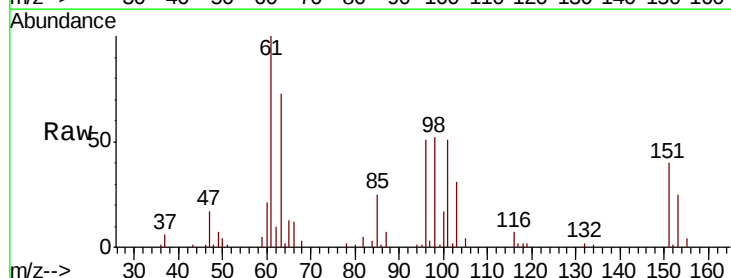
Tgt Ion: 96 Resp: 14034

Ion Ratio Lower Upper

96 100

61 194.5 127.8 237.4

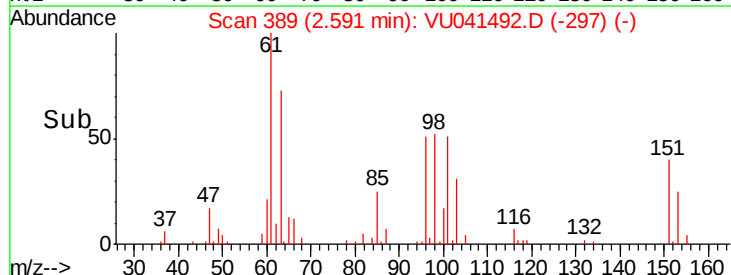
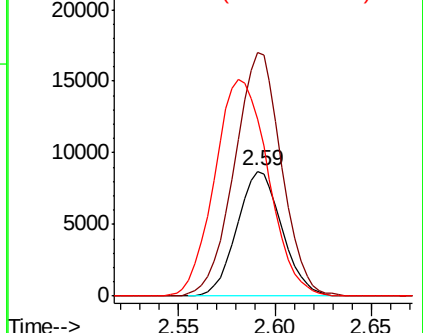
63 141.4 86.2 160.0

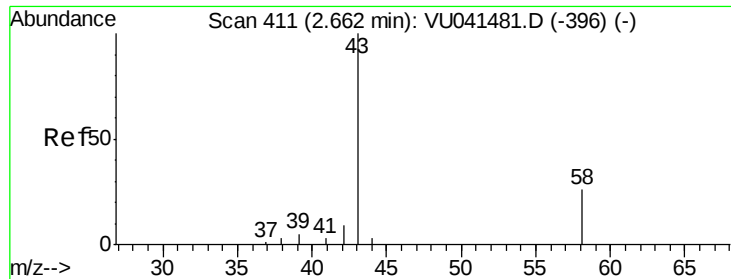


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 52.105 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.01 min

Lab File: VU041492.D

Acq: 07 Dec 2020 14:52

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ClientSampleId :

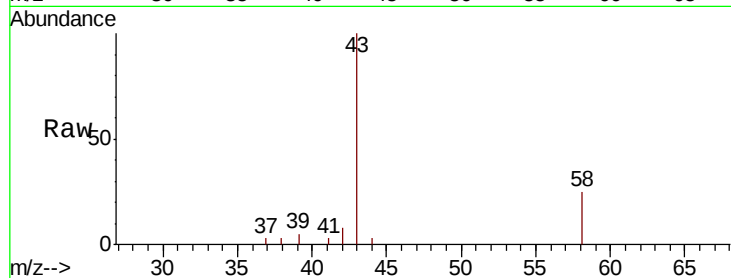
VSTD00530

Tot Ion: 43 Resp: 36050

Ion Ratio Lower Upper

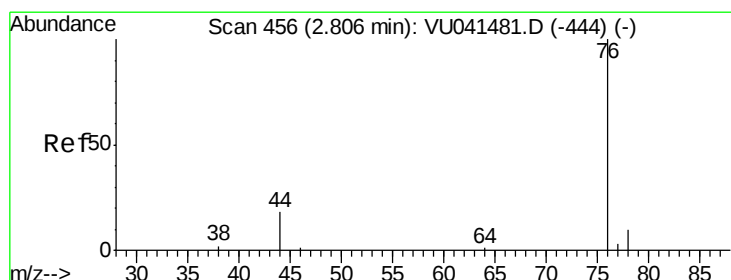
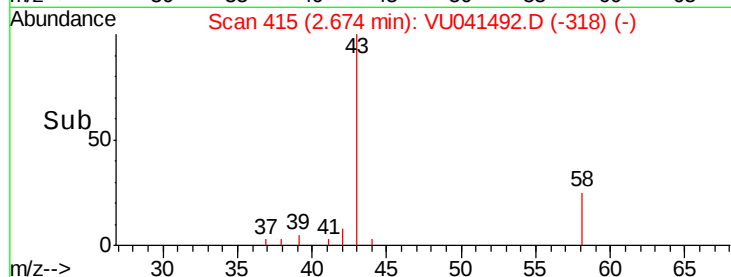
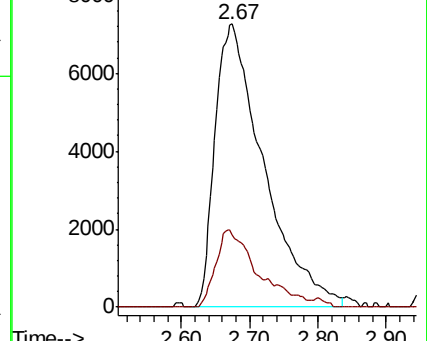
43 100

58 23.7 0.0 50.0



Abundance Ion 43.05 (42.75 to 43.75): VU041492.D (-318) (-)

Ion 58.05 (57.75 to 58.75): VU041492.D (-318) (-)



#14

Carbon disulfide

Concen: 4.831 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041492.D

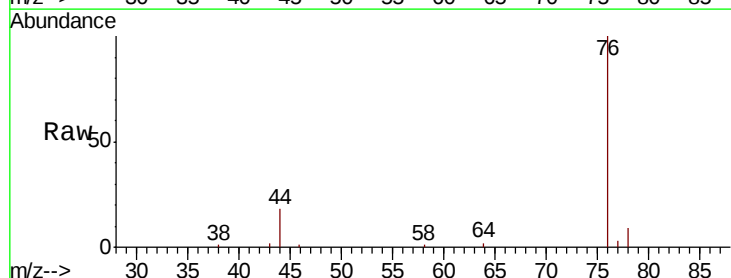
Acq: 07 Dec 2020 14:52

Tgt Ion: 76 Resp: 40222

Ion Ratio Lower Upper

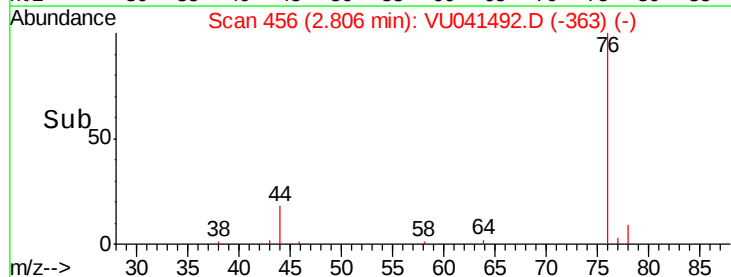
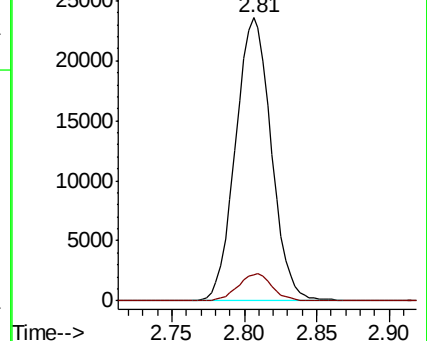
76 100

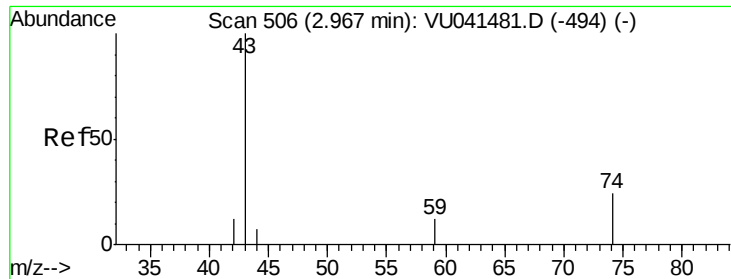
78 9.4 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU041492.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU041492.D (-363) (-)

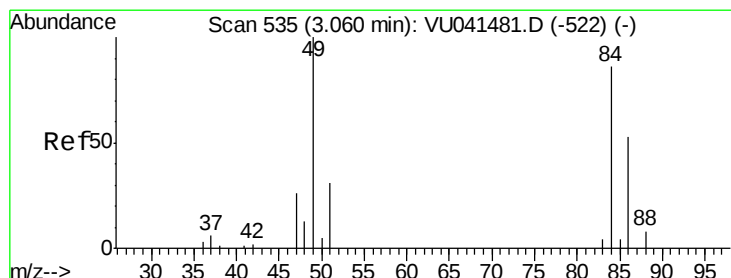
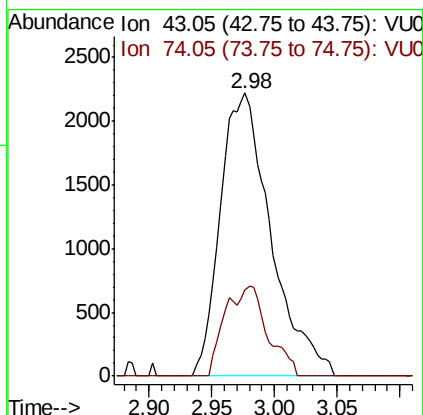
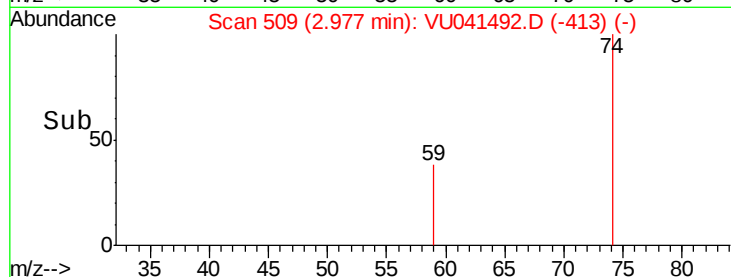
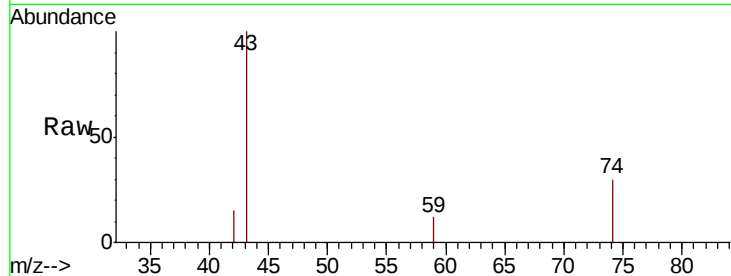




#15
Methyl Acetate
Concen: 4.908 ug/L
RT: 2.98 min Scan# 509
Delta R.T. 0.01 min
Lab File: VU041492.D
Acq: 07 Dec 2020 14:52

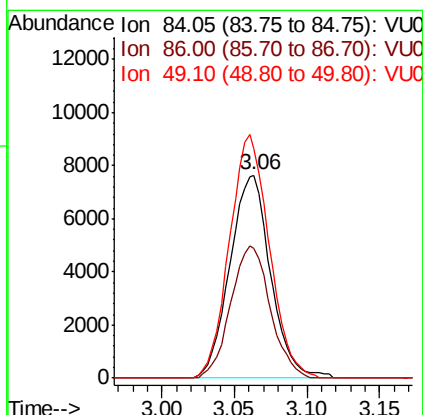
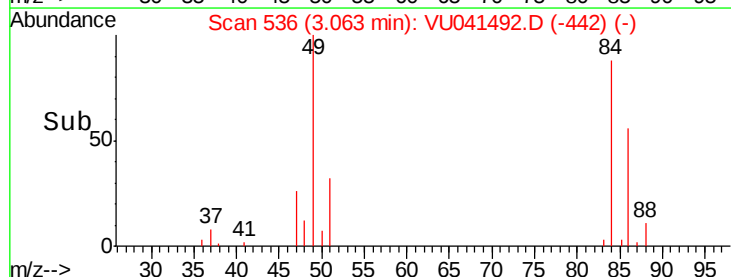
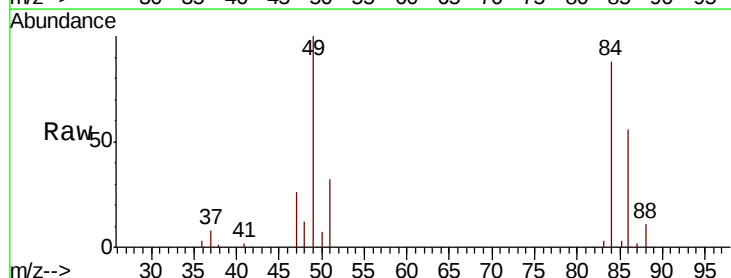
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

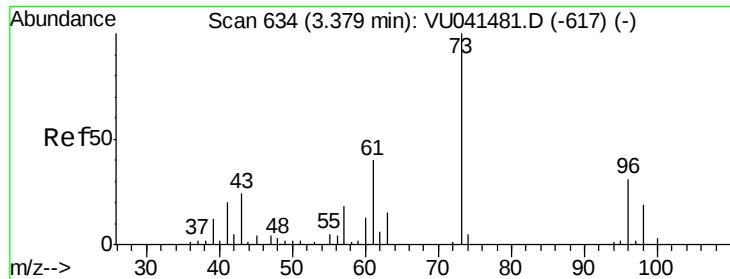
Tot Ion: 43 Resp: 6214
Ion Ratio Lower Upper
43 100
74 26.6 19.7 29.5



#16
Methylene chloride
Concen: 4.133 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU041492.D
Acq: 07 Dec 2020 14:52

Tgt Ion: 84 Resp: 14901
Ion Ratio Lower Upper
84 100
86 63.6 44.1 81.9
49 113.4 86.1 159.9

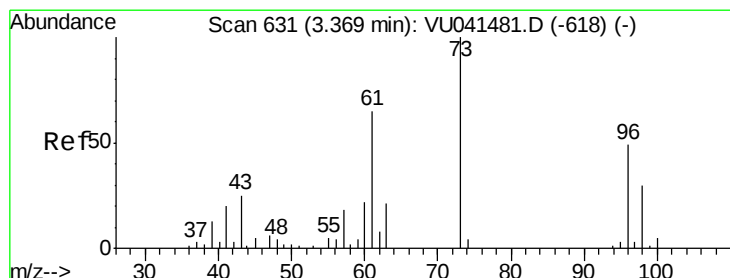
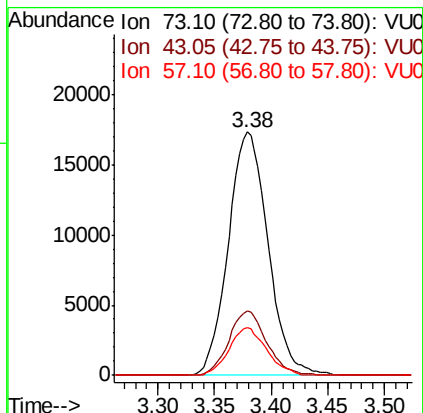
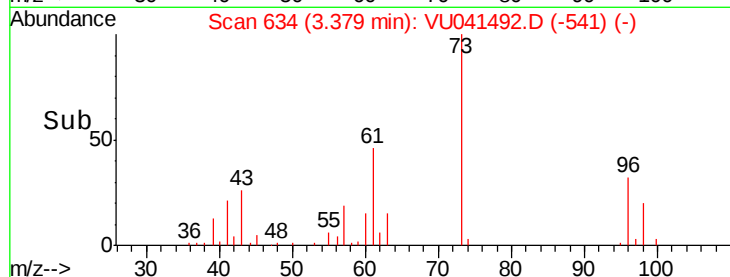
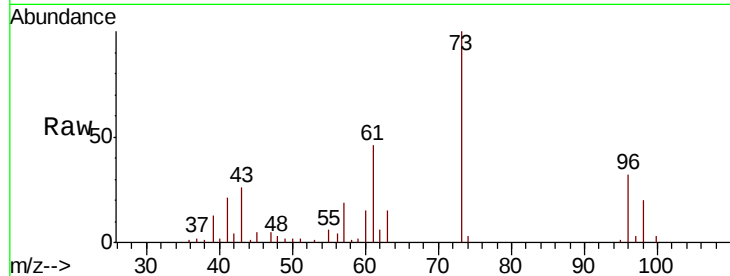




#17
Methvl tert-butvl Ether
Concen: 5.163 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041492.D
Acq: 07 Dec 2020 14:52

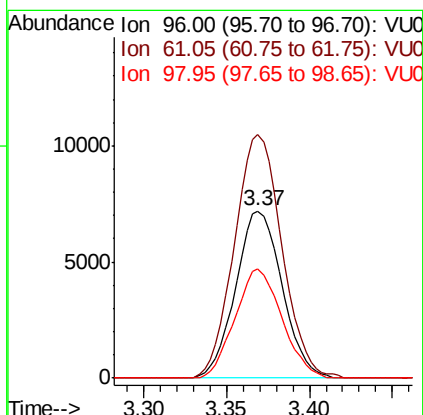
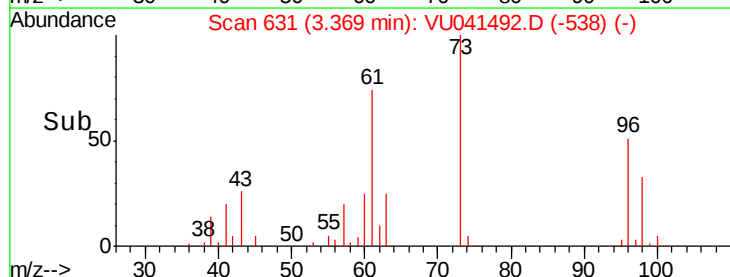
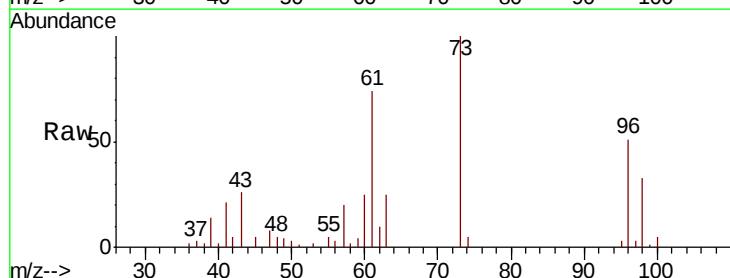
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

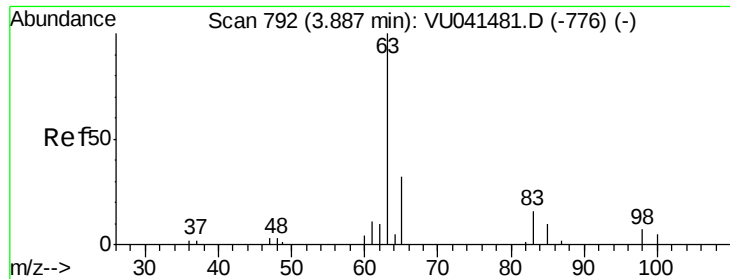
Tot Ion: 73 Resp: 42314
Ion Ratio Lower Upper
73 100
43 25.1 19.1 28.7
57 18.5 15.5 23.3



#18
trans-1,2-Dichloroethene
Concen: 5.152 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041492.D
Acq: 07 Dec 2020 14:52

Tgt Ion: 96 Resp: 14056
Ion Ratio Lower Upper
96 100
61 145.4 98.8 183.4
98 65.0 41.7 77.5

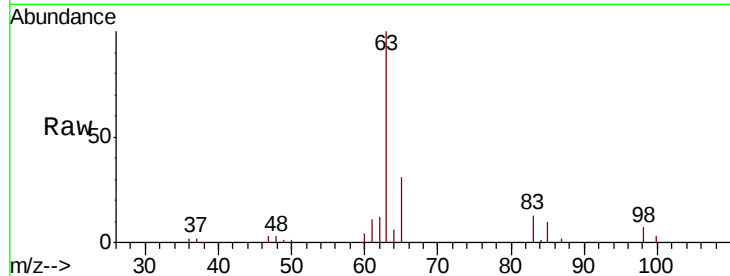




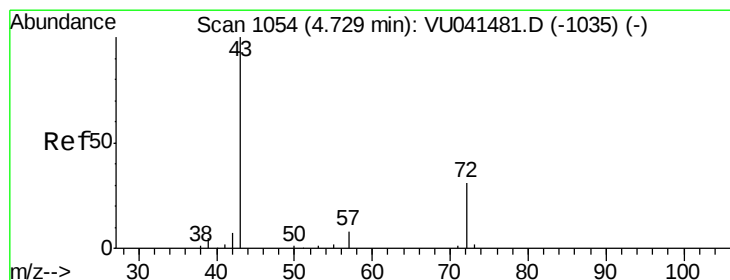
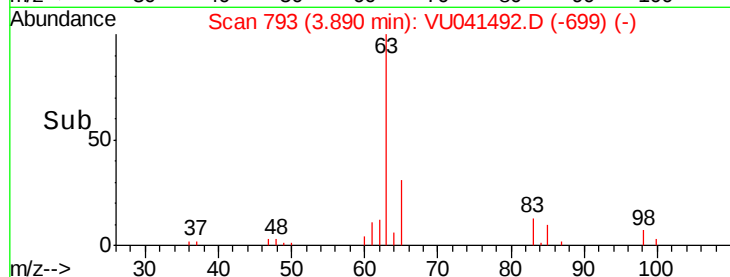
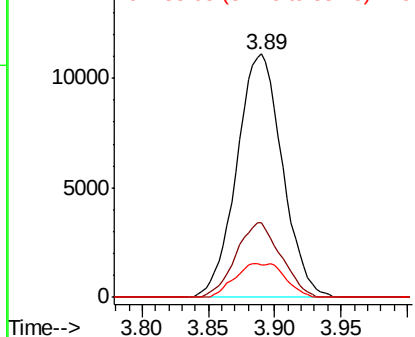
#19
 1,1-Dichloroethane
 Concen: 5.263 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU041492.D
 Acq: 07 Dec 2020 14:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	22.3	41.5
83	13.5	11.1	20.7

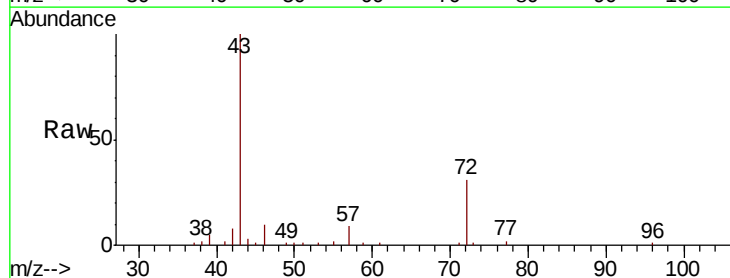


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

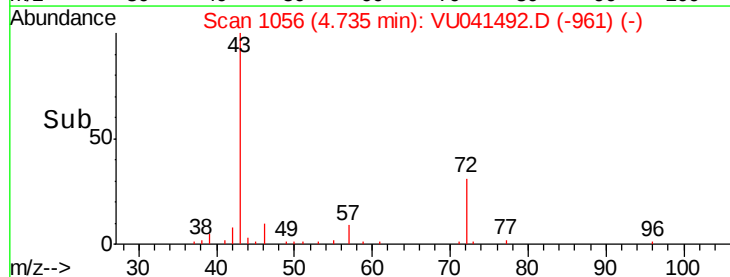
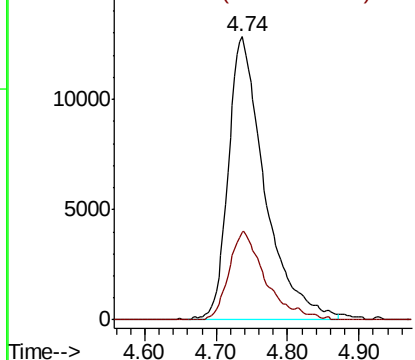


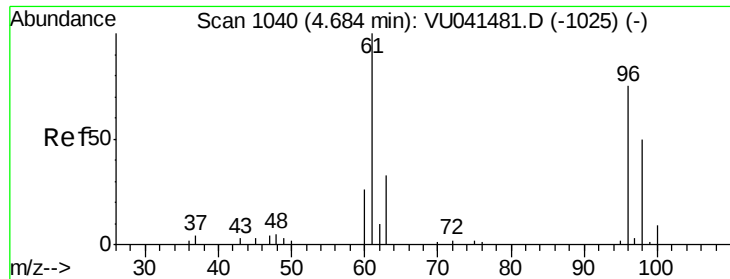
#21
 2-Butanone
 Concen: 52.827 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VU041492.D
 Acq: 07 Dec 2020 14:52

Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.5	15.7	47.1



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

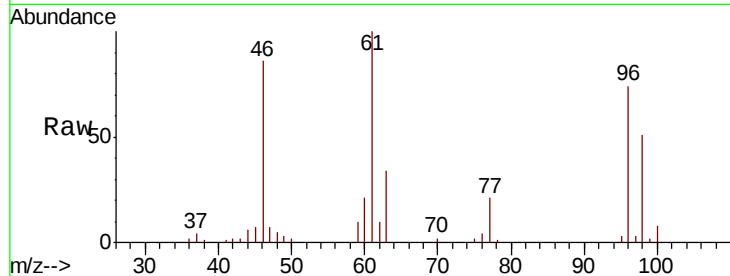




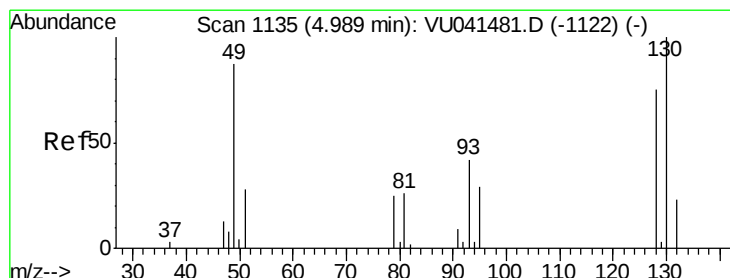
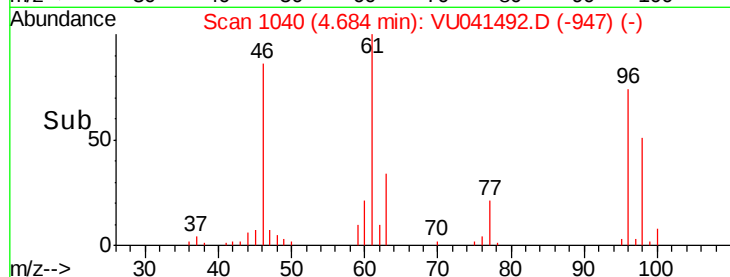
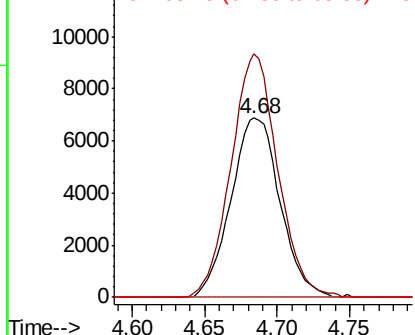
#22
 cis-1,2-Dichloroethene
 Concen: 5.343 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU041492.D
 Acq: 07 Dec 2020 14:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion: 96 Resp: 16164
 Ion Ratio Lower Upper
 96 100
 61 135.8 90.5 168.1
 68 0.0 0.0 0.0

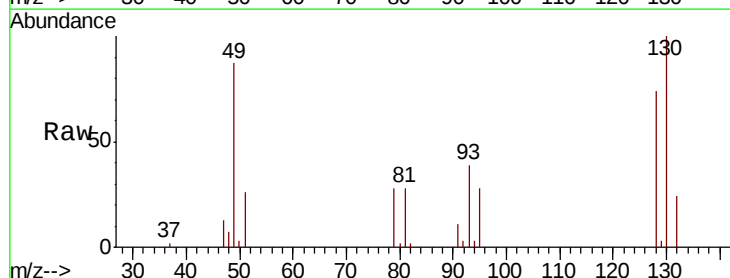


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

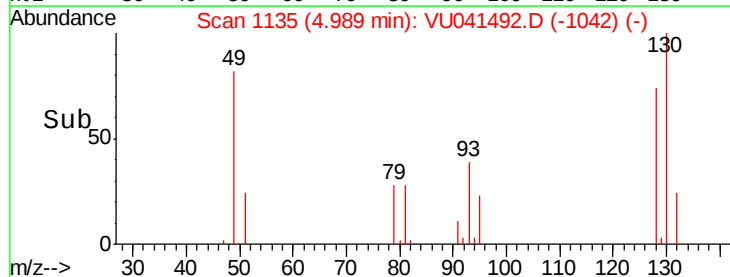
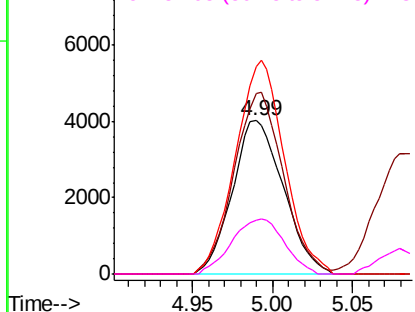


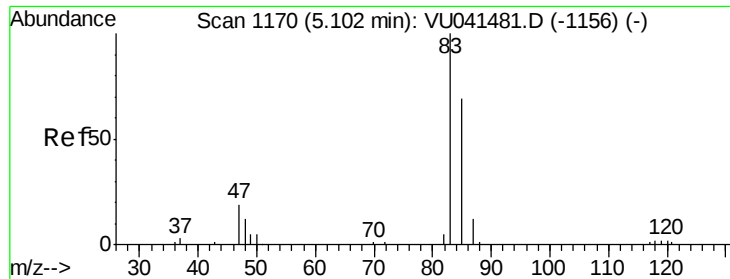
#23
 Bromochloromethane
 Concen: 5.549 ug/L
 RT: 4.99 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: VU041492.D
 Acq: 07 Dec 2020 14:52

Tgt Ion: 128 Resp: 8774
 Ion Ratio Lower Upper
 128 100
 49 117.3 84.2 156.4
 130 134.9 89.9 167.0
 51 35.0 30.4 45.6



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

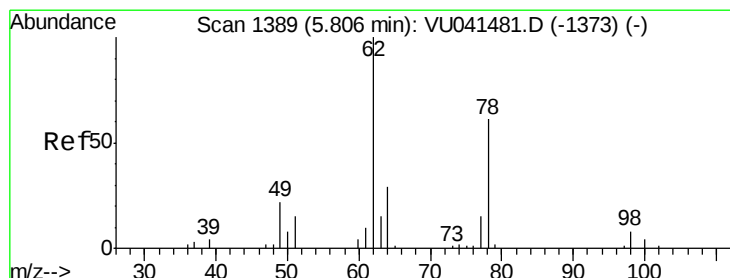
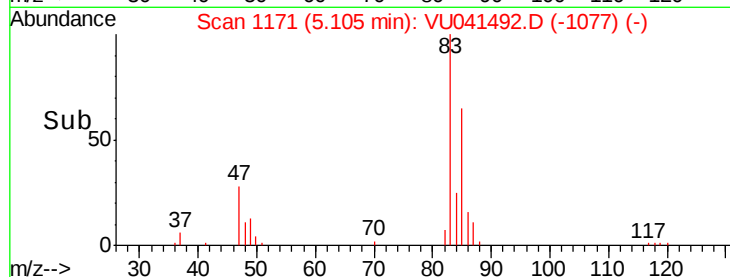
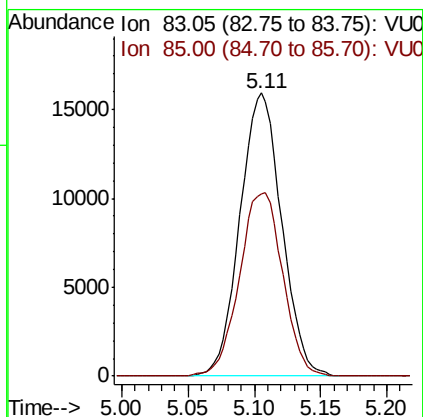
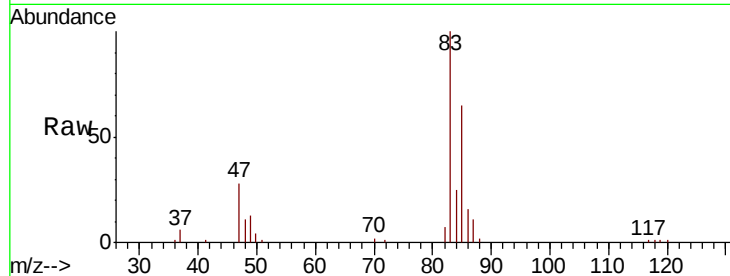




#25
Chloroform
Concen: 5.425 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041492.D
Acq: 07 Dec 2020 14:52

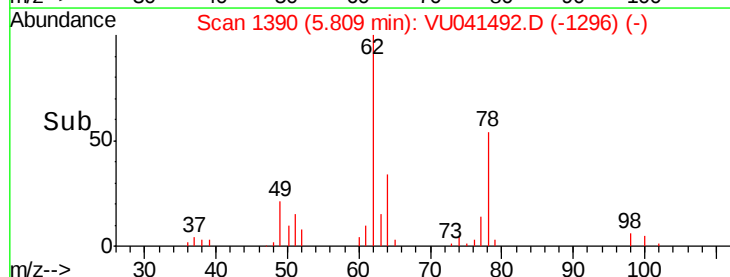
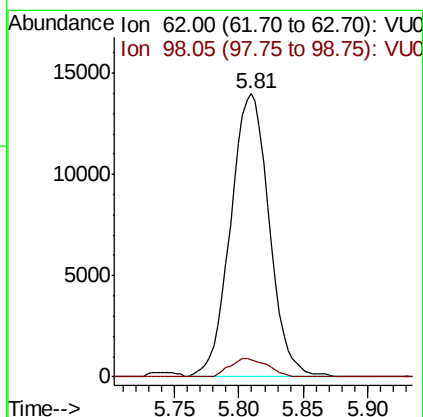
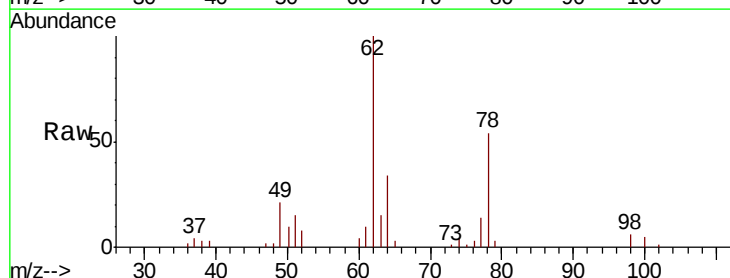
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

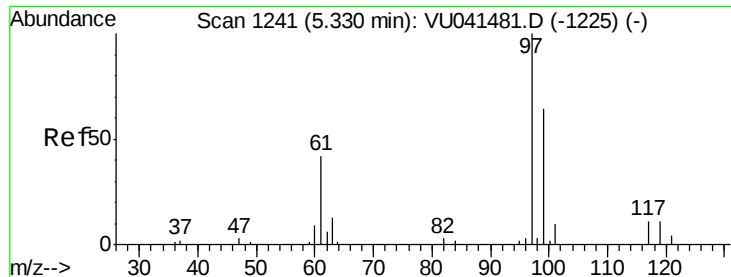
Tot Ion: 83 Resp: 34836
Ion Ratio Lower Upper
83 100
85 64.6 44.7 82.9



#27
1,2-Dichloroethane
Concen: 5.804 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041492.D
Acq: 07 Dec 2020 14:52

Tgt Ion: 62 Resp: 29129
Ion Ratio Lower Upper
62 100
98 6.0 5.7 8.5

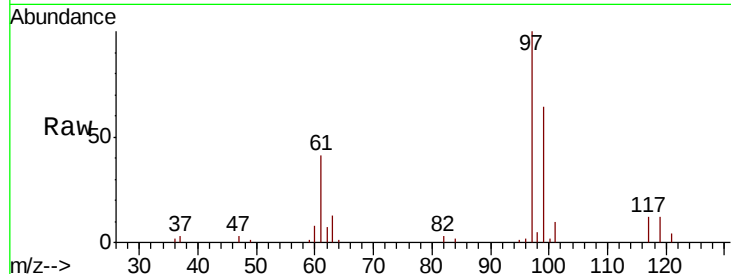




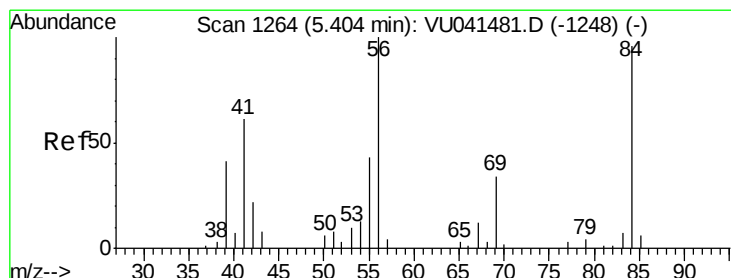
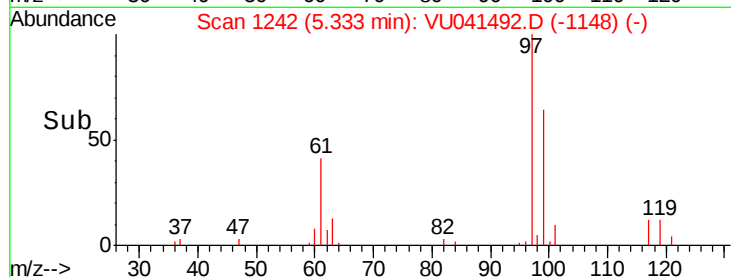
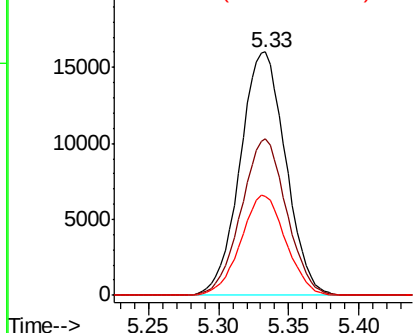
#29
1,1,1-Trichloroethane
Concen: 4.907 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU041492.D
Acq: 07 Dec 2020 14:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion: 97 Resp: 36145
Ion Ratio Lower Upper
97 100
99 64.0 51.0 76.6
61 40.6 34.6 52.0

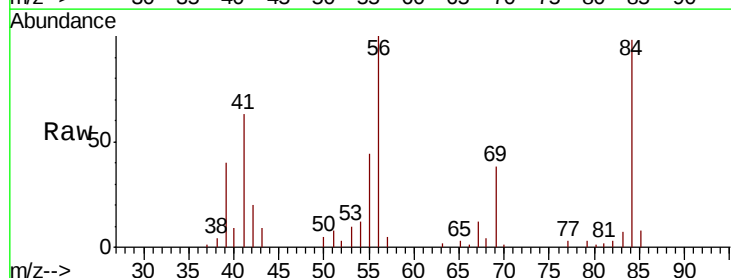


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

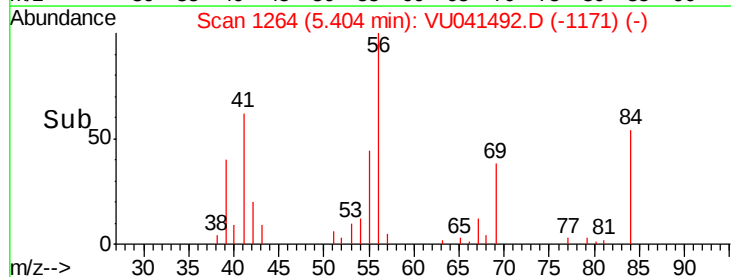
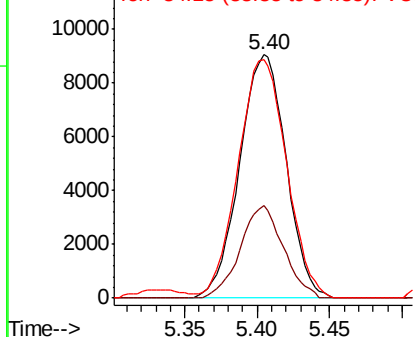


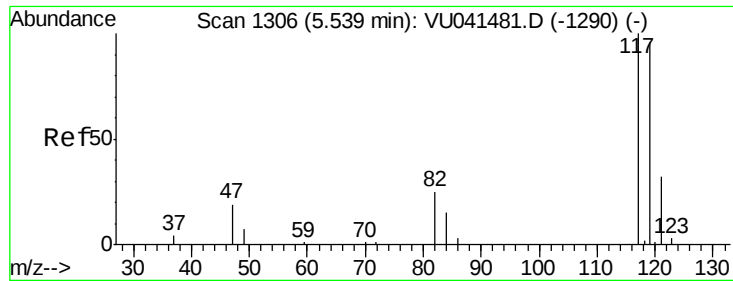
#30
Cyclohexane
Concen: 4.365 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU041492.D
Acq: 07 Dec 2020 14:52

Tgt Ion: 56 Resp: 20217
Ion Ratio Lower Upper
56 100
69 35.2 25.9 38.9
84 102.3 74.9 112.3



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

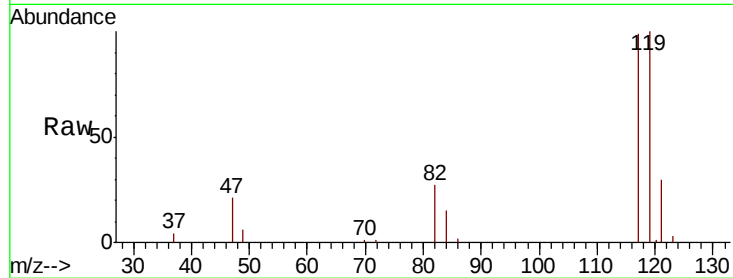




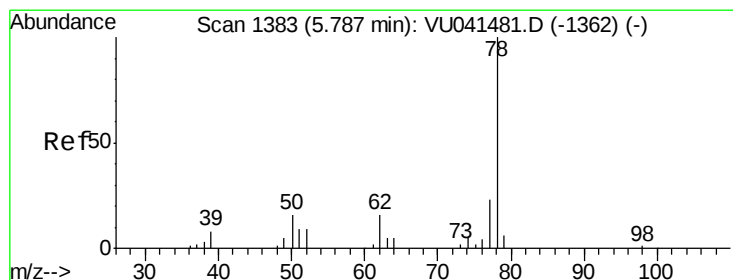
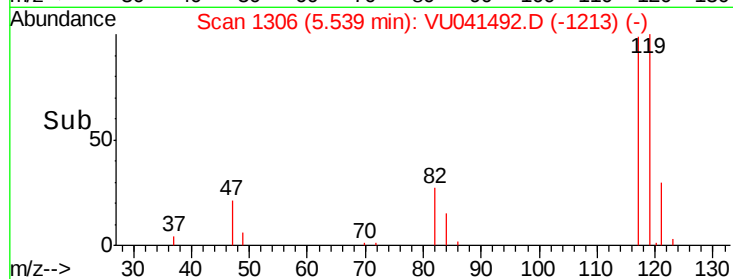
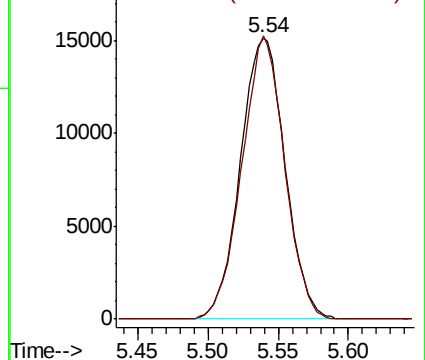
#31
Carbon tetrachloride
Concen: 4.906 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU041492.D
Acq: 07 Dec 2020 14:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion:117 Resp: 33465
Ion Ratio Lower Upper
117 100
119 96.3 77.2 115.8

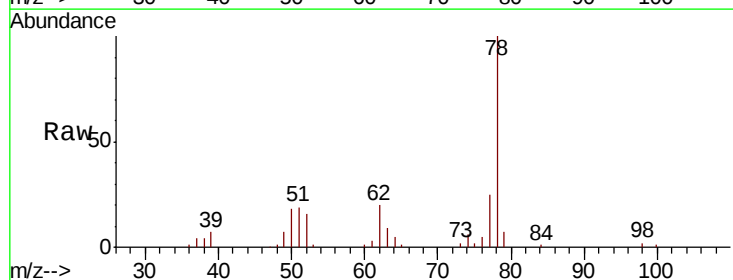


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

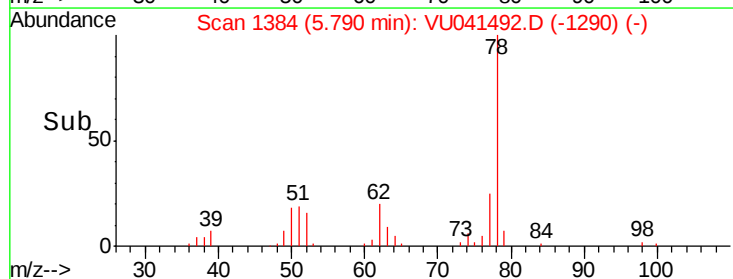
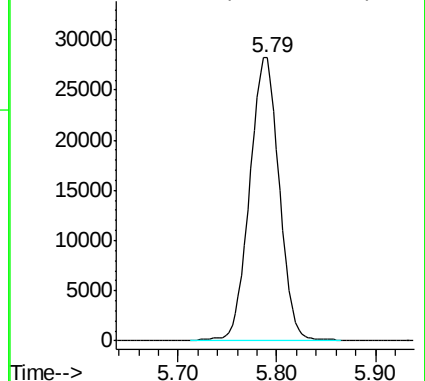


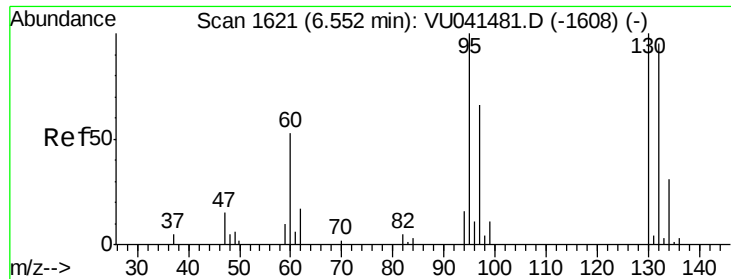
#33
Benzene
Concen: 4.577 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU041492.D
Acq: 07 Dec 2020 14:52

Tgt Ion: 78 Resp: 58227



Abundance Ion 78.10 (77.80 to 78.80): VU0

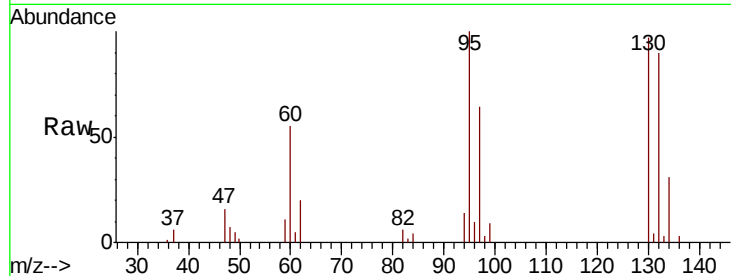




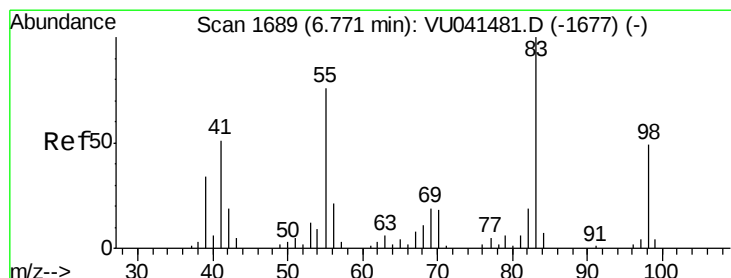
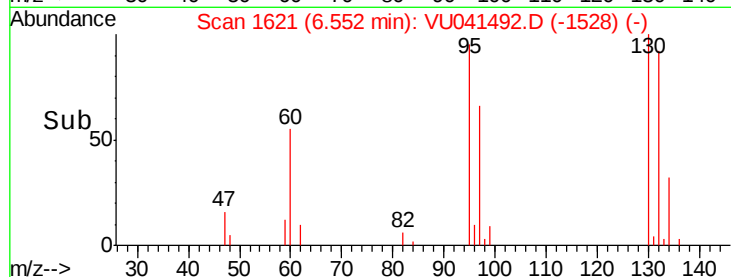
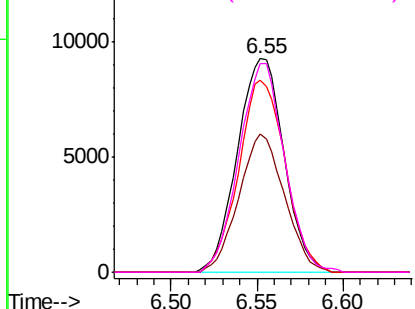
#34
 Trichloroethene
 Concen: 4.558 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041492.D
 Acq: 07 Dec 2020 14:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion: 95 Resp: 17502
 Ion Ratio Lower Upper
 95 100
 97 64.5 44.7 83.1
 132 90.2 65.7 121.9
 130 97.5 68.8 127.8

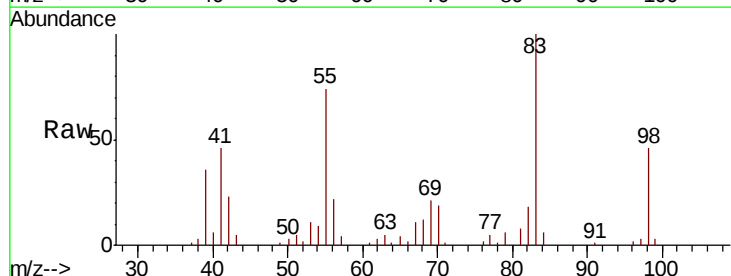


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

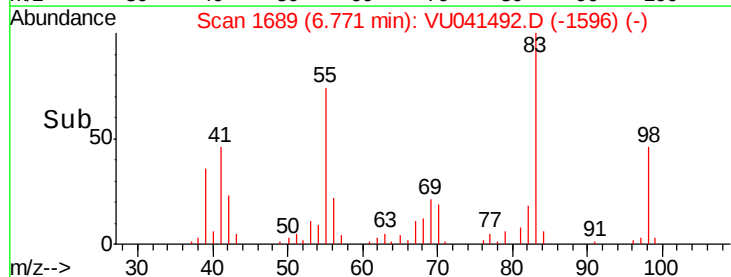
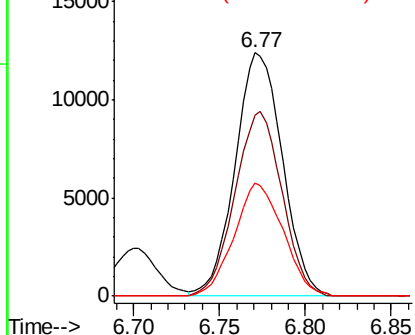


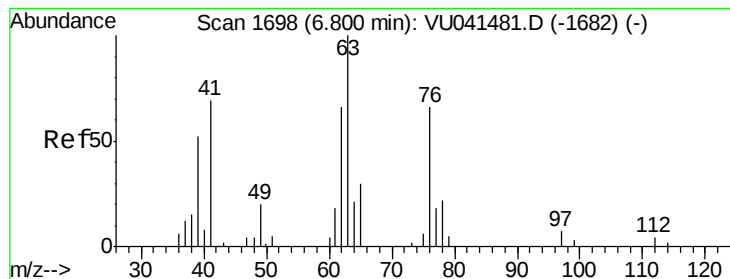
#35
 Methylcyclohexane
 Concen: 4.530 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: VU041492.D
 Acq: 07 Dec 2020 14:52

Tgt Ion: 83 Resp: 23727
 Ion Ratio Lower Upper
 83 100
 55 75.5 62.1 93.1
 98 48.2 38.7 58.1



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: 4.532 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU041492.D

Acq: 07 Dec 2020 14:52

Instrument :

MSVOA_U

ClientSampleId :

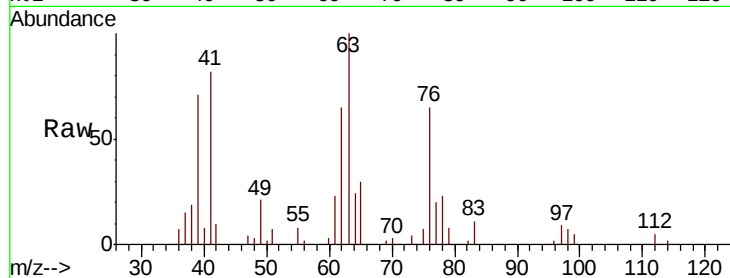
VSTD00530

Tot Ion: 63 Resp: 13512

Ion Ratio Lower Upper

63 100

112 4.6 4.2 6.2



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

8000

6000

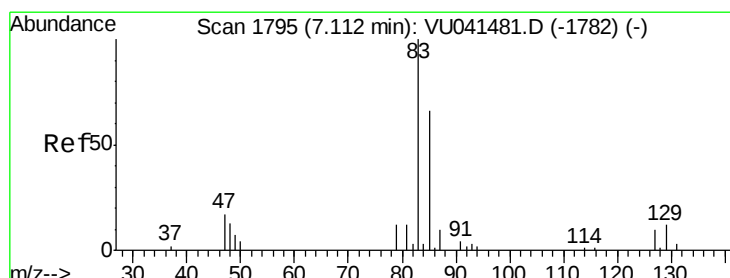
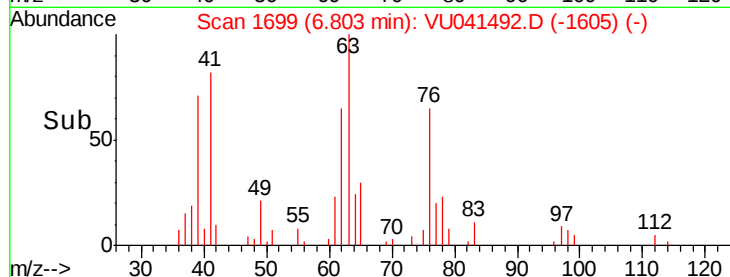
4000

2000

0

6.75 6.80 6.85

Time-->



#38

Bromodichloromethane

Concen: 4.594 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU041492.D

Acq: 07 Dec 2020 14:52

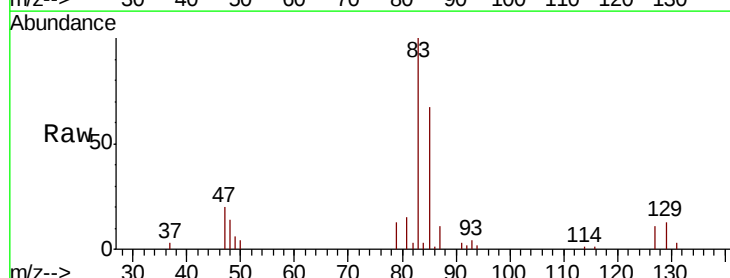
Tgt Ion: 83 Resp: 25023

Ion Ratio Lower Upper

83 100

85 66.6 46.7 86.7

127 10.7 6.6 10.0#



Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V

15000

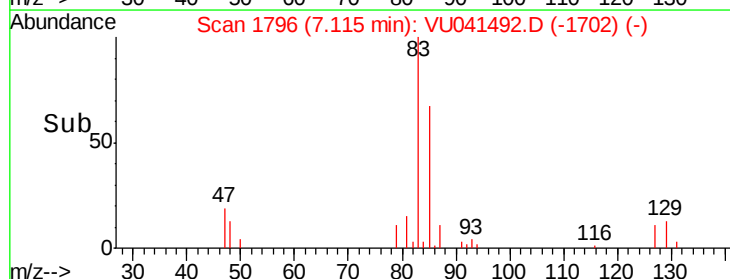
10000

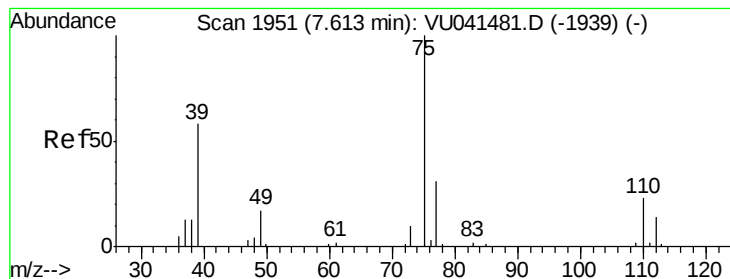
5000

0

7.05 7.10 7.15

Time-->



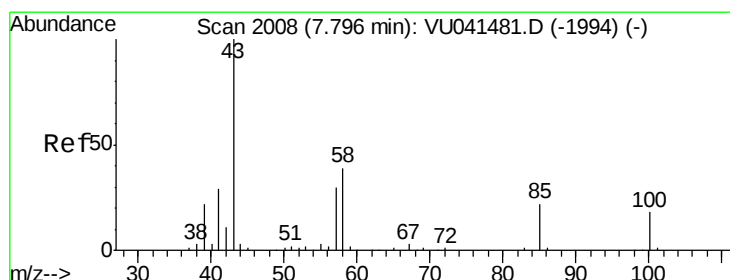
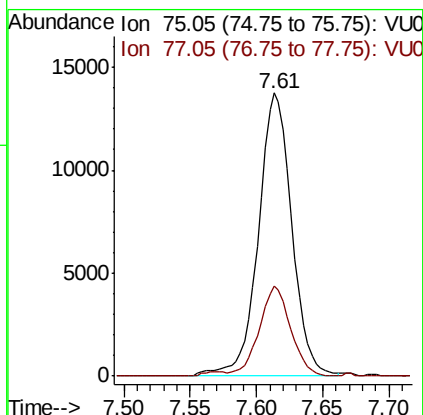
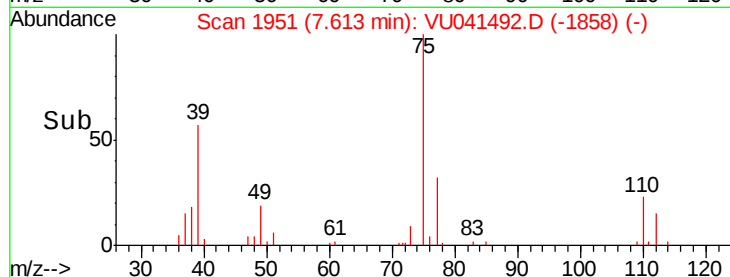
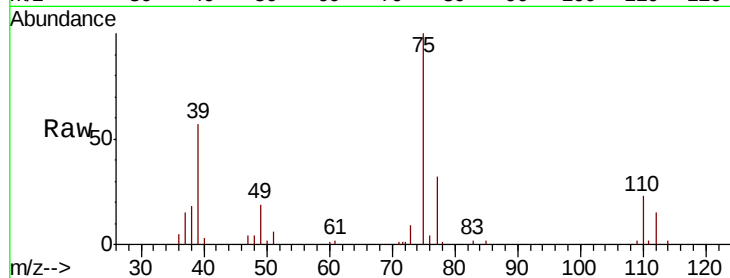


#39

cis-1,3-Dichloropropene
 Concen: 4.503 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041492.D
 Acq: 07 Dec 2020 14:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

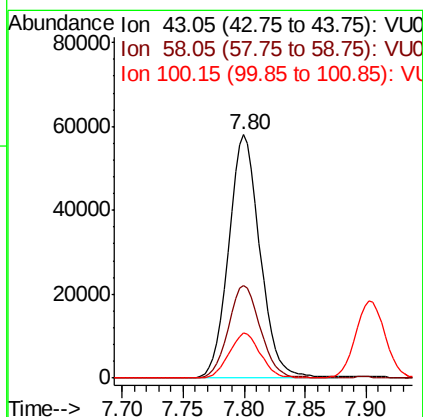
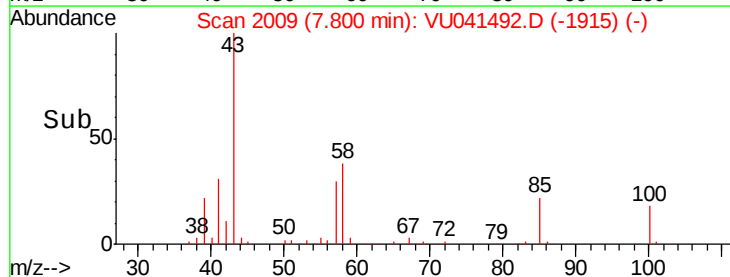
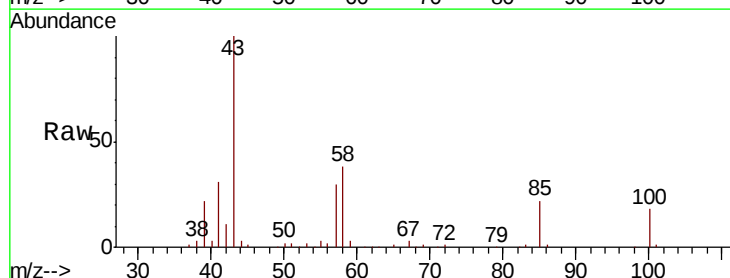
Tot Ion: 75 Resp: 24250
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.0 44.6

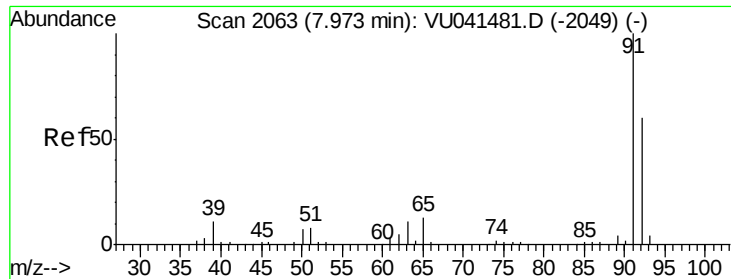


#40

4-Methyl-2-pentanone
 Concen: 43.630 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041492.D
 Acq: 07 Dec 2020 14:52

Tgt Ion: 43 Resp: 104214
 Ion Ratio Lower Upper
 43 100
 58 38.9 32.0 48.0
 100 18.3 14.2 21.2





#42

Toluene

Concen: 4.533 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041492.D

Acq: 07 Dec 2020 14:52

Instrument :

MSVOA_U

ClientSampleId :

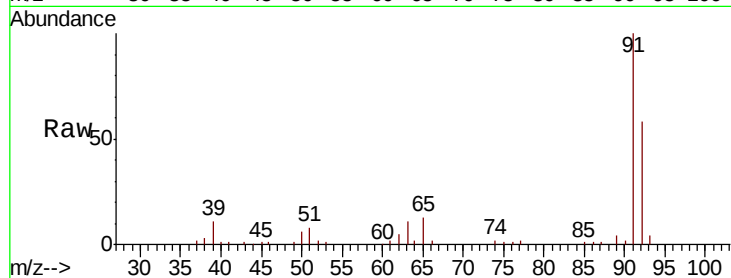
VSTD00530

Tot Ion: 91 Resp: 64912

Ion Ratio Lower Upper

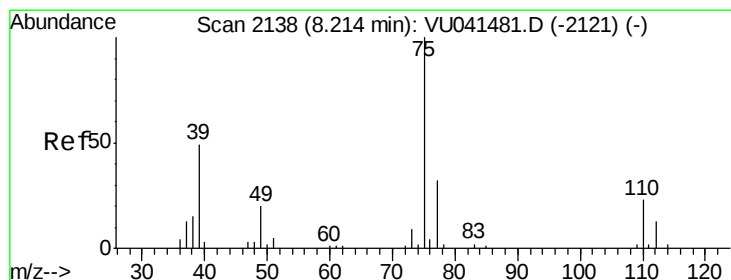
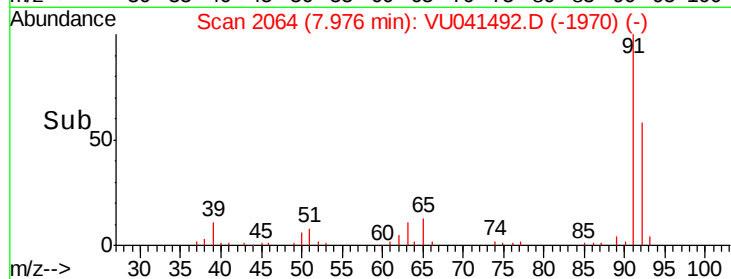
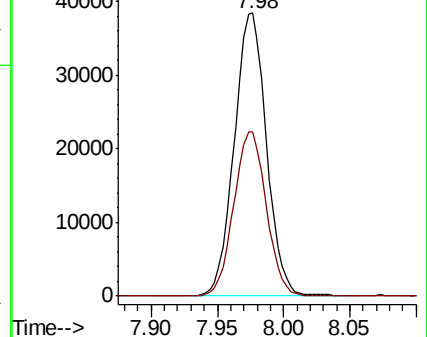
91 100

92 57.8 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VU041481.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041481.D (-2049) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.847 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041492.D

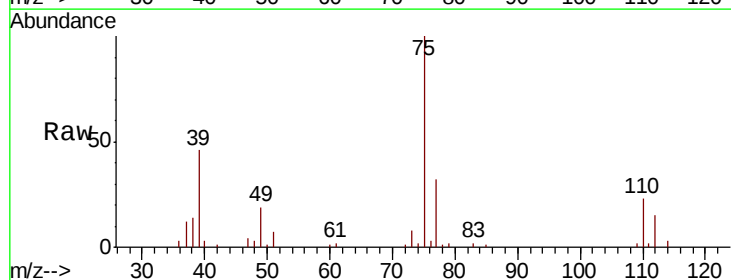
Acq: 07 Dec 2020 14:52

Tgt Ion: 75 Resp: 26073

Ion Ratio Lower Upper

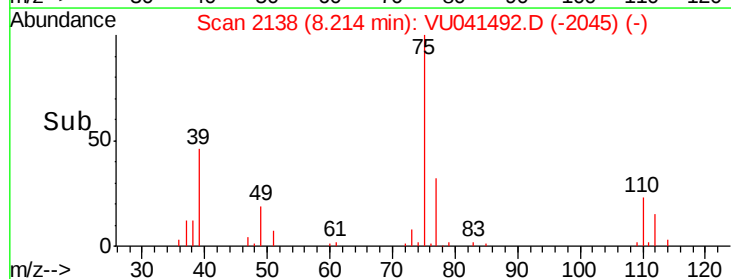
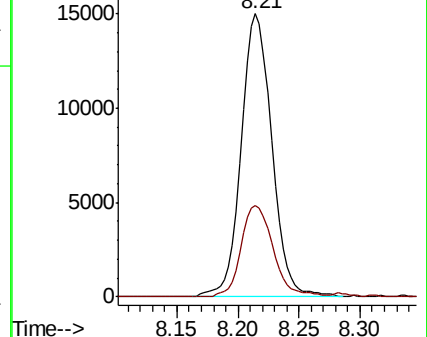
75 100

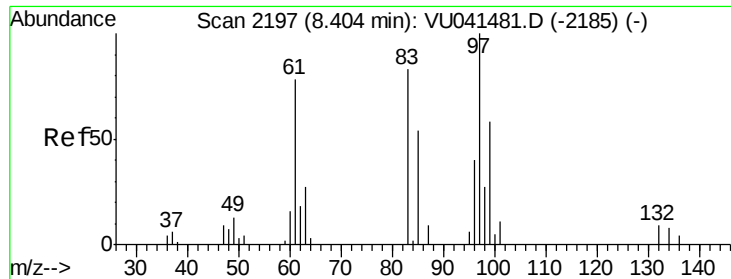
77 32.4 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU041481.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU041481.D (-2121) (-)

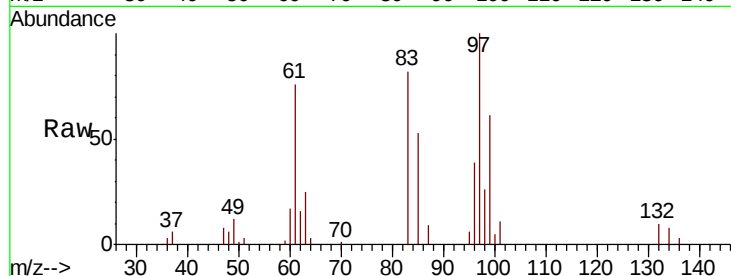




#45
1,1,2-Trichloroethane
Concen: 4.416 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VU041492.D
Acq: 07 Dec 2020 14:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion:	97	Resp:	12696
Ion	Ratio	Lower	Upper
97	100		
99	60.7	40.7	75.7
83	82.1	56.2	104.4
85	52.6	36.0	67.0



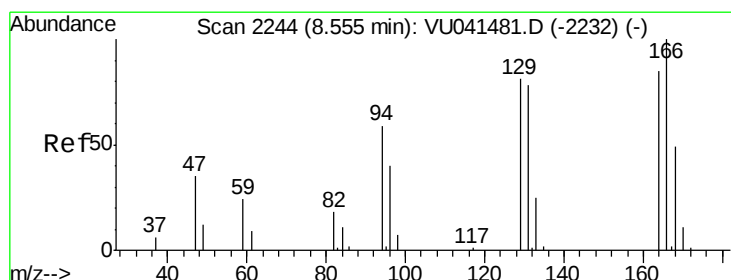
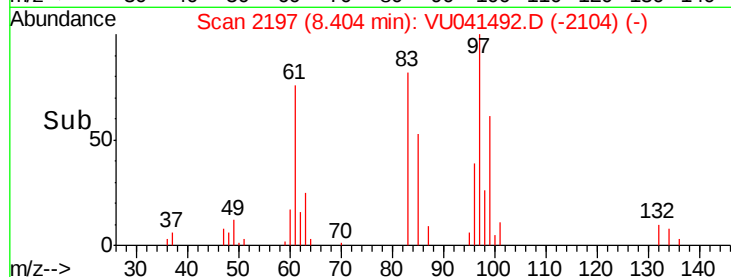
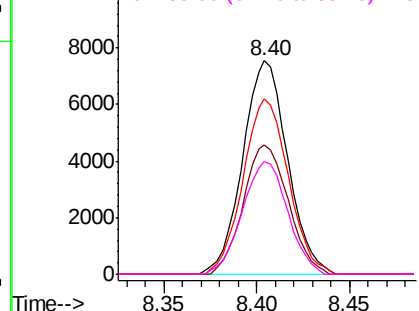
Abundance

Ion 96.95 (96.65 to 97.65): VU041481.D (-2185) (-)

Ion 99.05 (98.75 to 99.75): VU041481.D (-2185) (-)

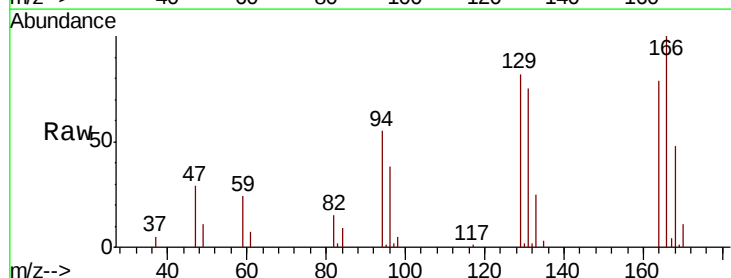
Ion 82.95 (82.65 to 83.65): VU041481.D (-2185) (-)

Ion 85.00 (84.70 to 85.70): VU041481.D (-2185) (-)



#47
Tetrachloroethene
Concen: 4.906 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VU041492.D
Acq: 07 Dec 2020 14:52

Tgt Ion:	164	Resp:	14879
Ion	Ratio	Lower	Upper
164	100		
129	104.0	67.1	124.7
131	94.8	63.3	117.7
166	127.2	88.8	164.8



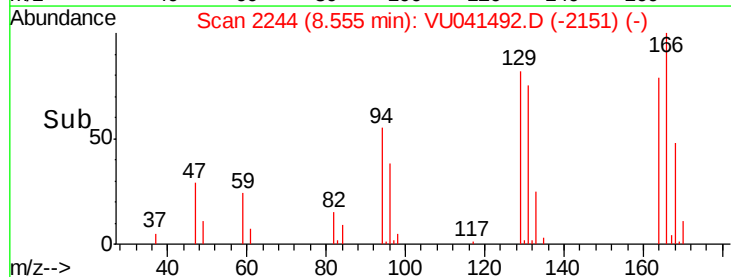
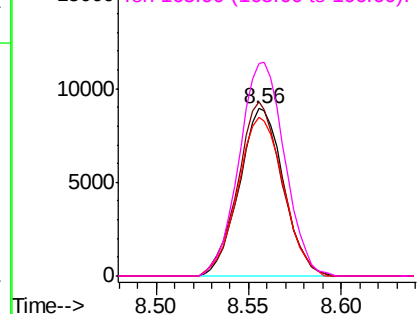
Abundance

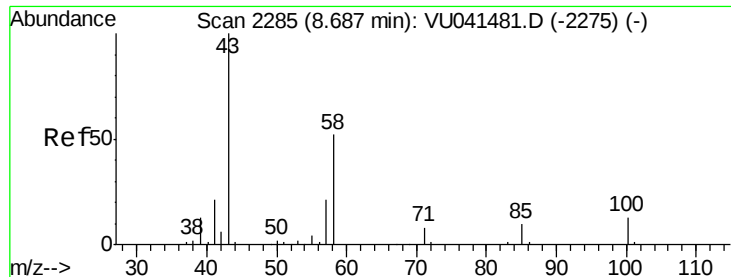
Ion 163.90 (163.60 to 164.60): VU041481.D (-2232) (-)

Ion 128.95 (128.65 to 129.65): VU041481.D (-2232) (-)

Ion 130.95 (130.65 to 131.65): VU041481.D (-2232) (-)

Ion 165.90 (165.60 to 166.60): VU041481.D (-2232) (-)

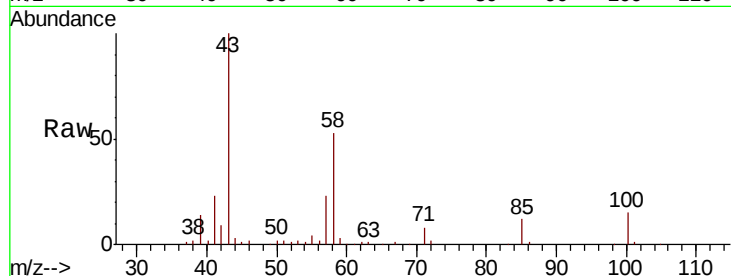




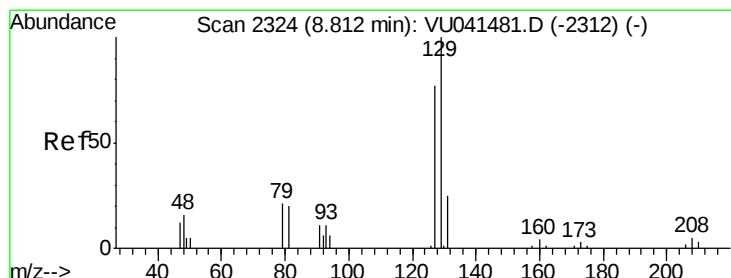
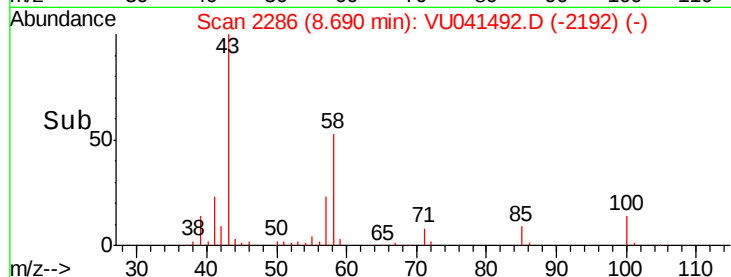
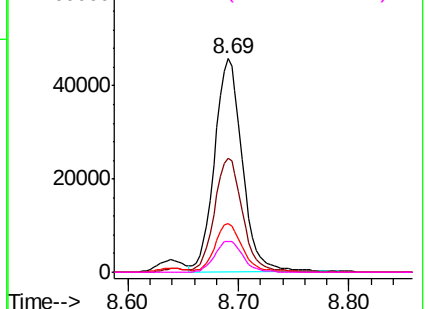
#48
2-Hexanone
Concen: 41.551 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041492.D
Acq: 07 Dec 2020 14:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion: 43 Resp: 79750
Ion Ratio Lower Upper
43 100
58 53.4 41.4 62.0
57 22.7 17.1 25.7
100 14.7 10.6 16.0

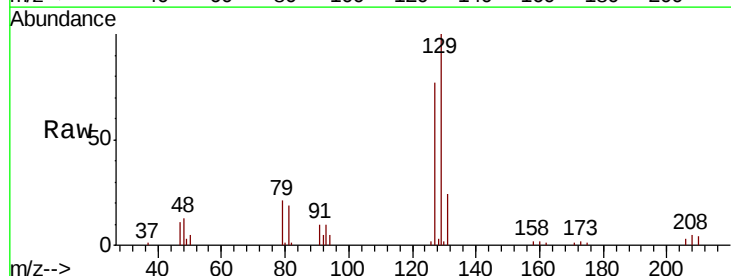


Abundance Ion 43.05 (42.75 to 43.75): VU041492.D (-2192) (-)
Ion 58.05 (57.75 to 58.75): VU041492.D (-2192) (-)
Ion 57.20 (56.90 to 57.90): VU041492.D (-2192) (-)
Ion 100.15 (99.85 to 100.85): VU041492.D (-2192) (-)

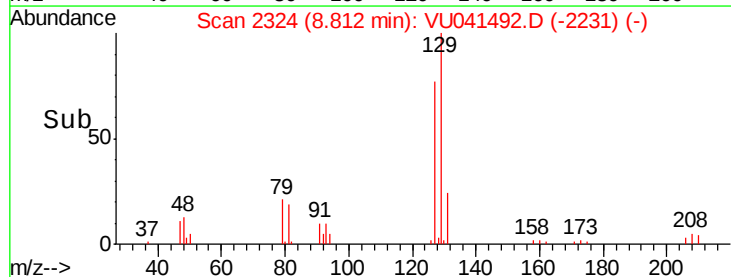
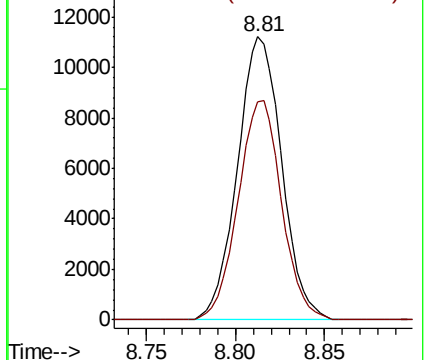


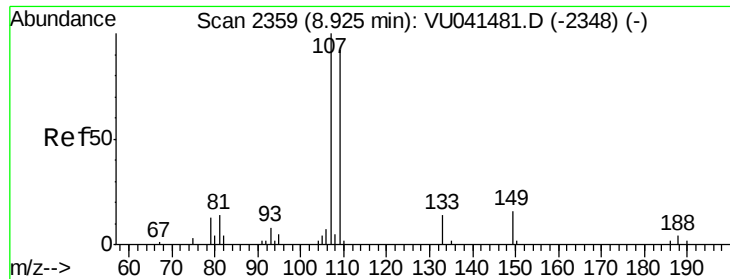
#49
Dibromochloromethane
Concen: 4.946 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041492.D
Acq: 07 Dec 2020 14:52

Tgt Ion: 129 Resp: 19375
Ion Ratio Lower Upper
129 100
127 76.9 52.4 97.2



Abundance Ion 128.95 (128.65 to 129.65): VU041492.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU041492.D (-2231) (-)

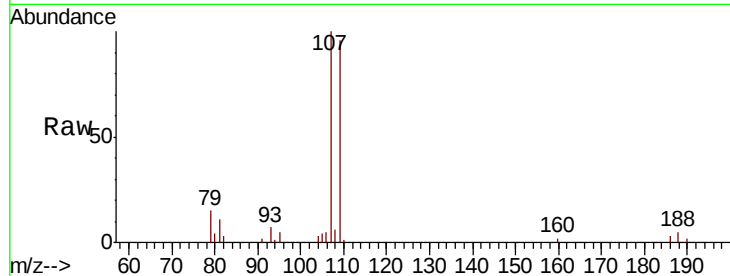




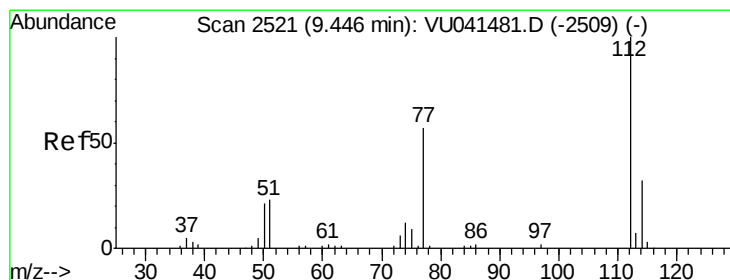
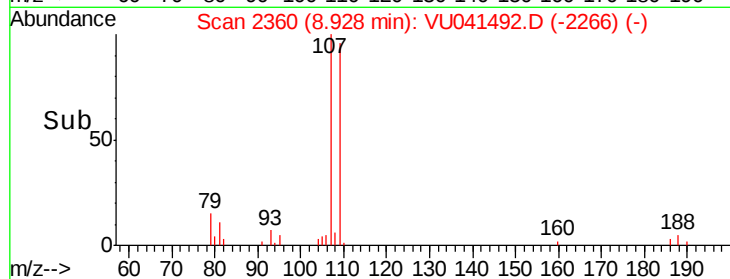
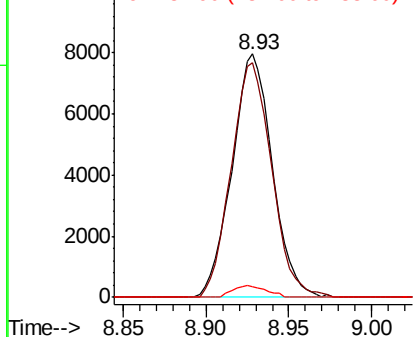
#50
1,2-Dibromoethane
Concen: 4.633 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU041492.D
Acq: 07 Dec 2020 14:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.2	62.3	115.7
188	4.5	4.2	6.4

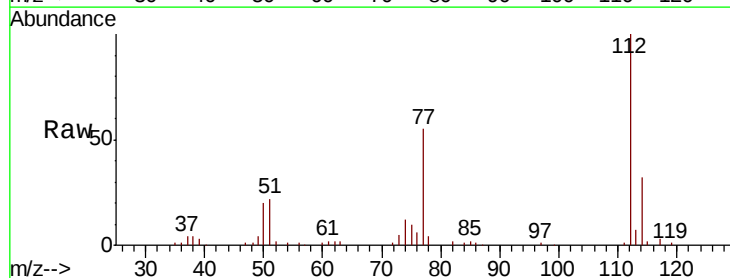


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

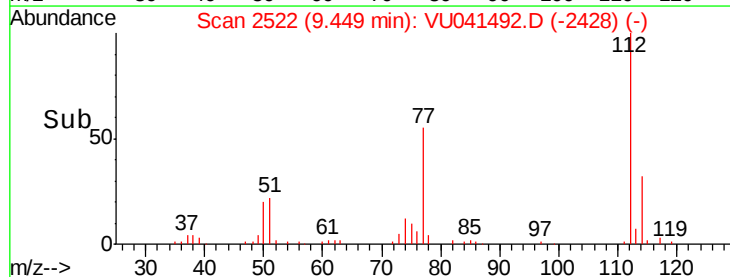
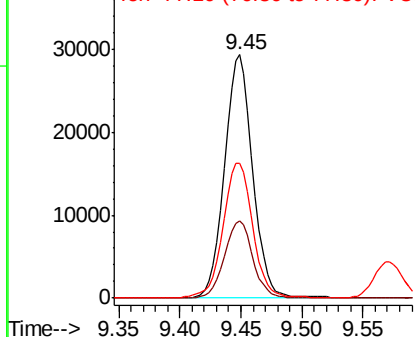


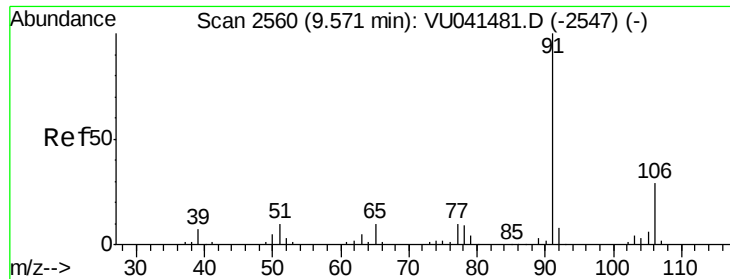
#51
Chlorobenzene
Concen: 4.969 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041492.D
Acq: 07 Dec 2020 14:52

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.7	42.1
77	55.4	48.2	72.2



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.798 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041492.D

Acq: 07 Dec 2020 14:52

Instrument :

MSVOA_U

ClientSampleId :

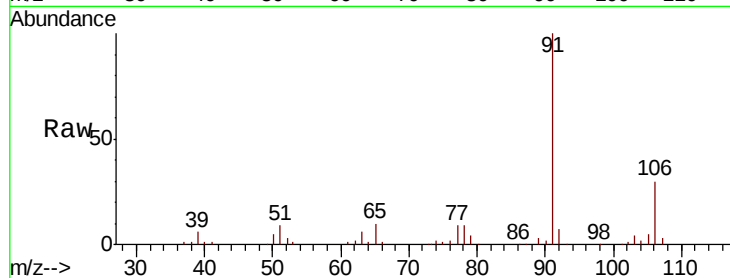
VSTD00530

Tot Ion: 91 Resp: 78728

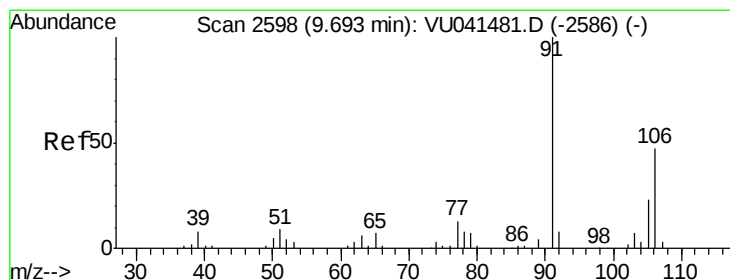
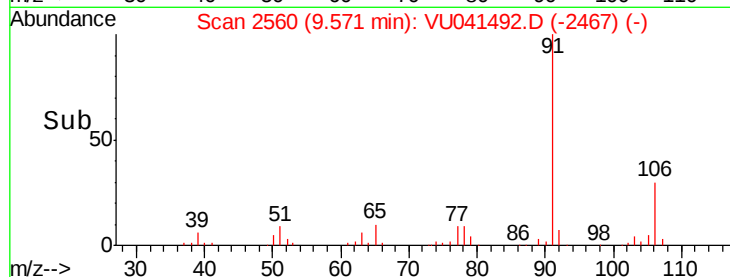
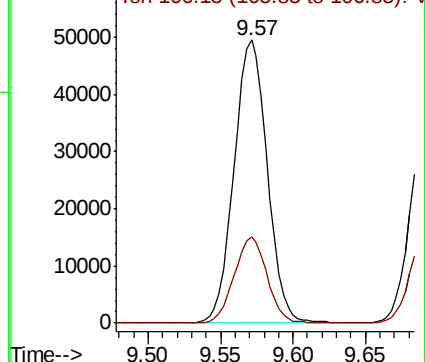
Ion Ratio Lower Upper

91 100

106 30.5 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU041481.D (-2547) (-)



#53

m,p-Xylene

Concen: 5.043 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041492.D

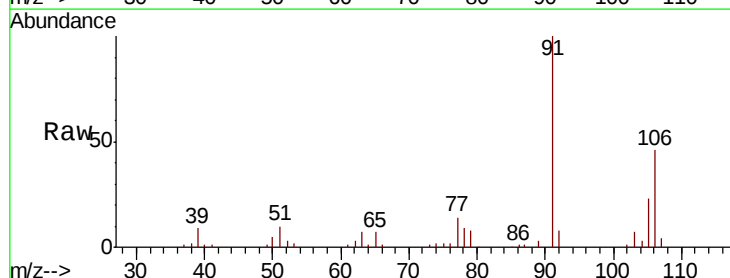
Acq: 07 Dec 2020 14:52

Tgt Ion: 106 Resp: 30036

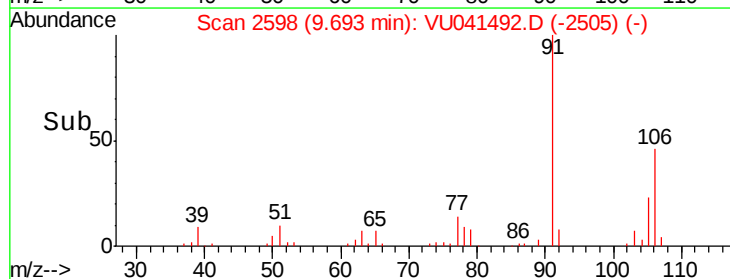
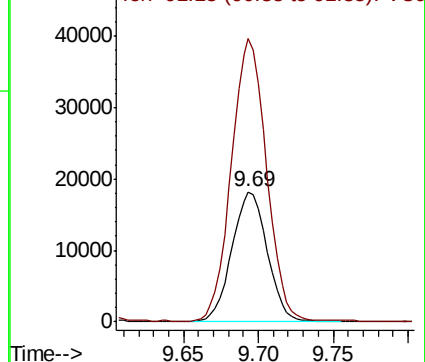
Ion Ratio Lower Upper

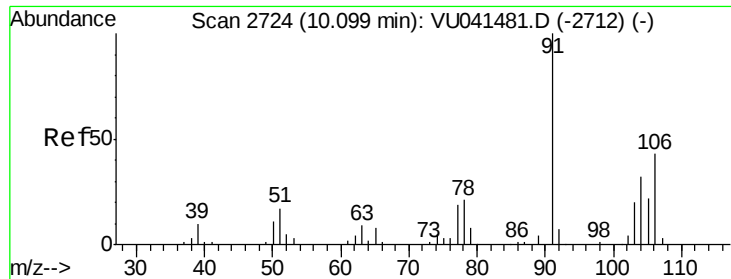
106 100

91 217.2 151.8 282.0



Abundance Ion 106.15 (105.85 to 106.85): VU041481.D (-2586) (-)

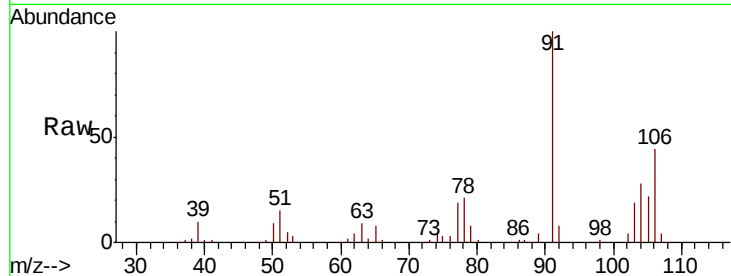




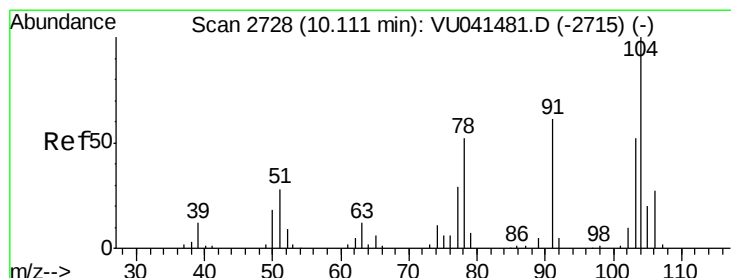
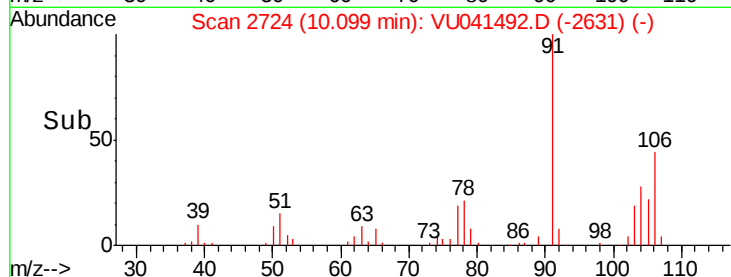
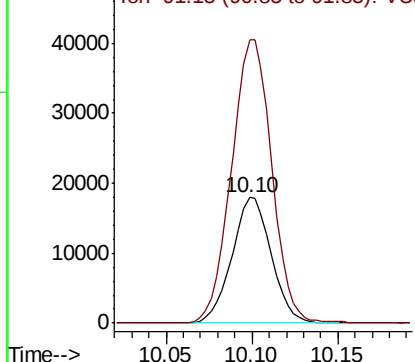
#54
o-Xylene
Concen: 4.919 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041492.D
Acq: 07 Dec 2020 14:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion:106 Resp: 28404
Ion Ratio Lower Upper
106 100
91 224.9 165.8 308.0

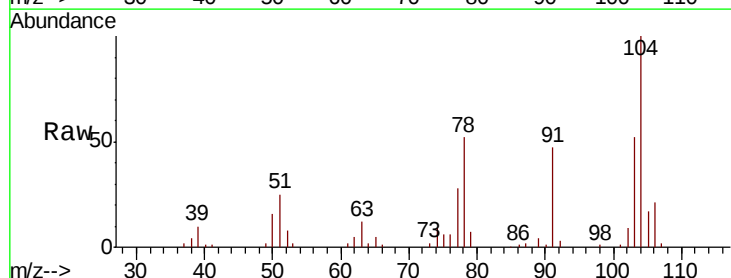


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

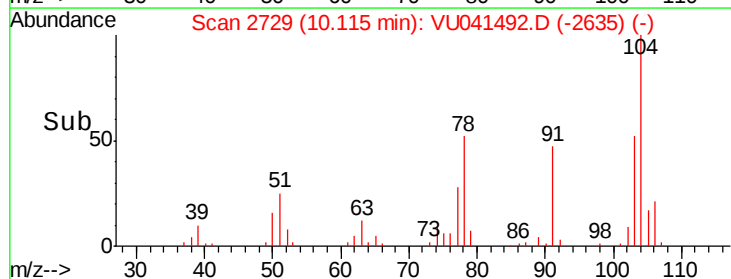
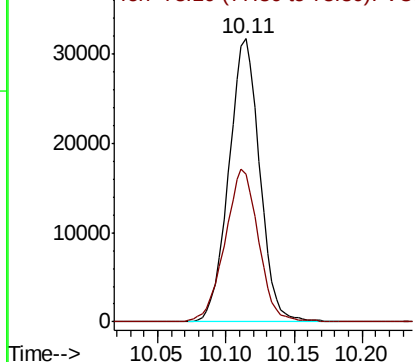


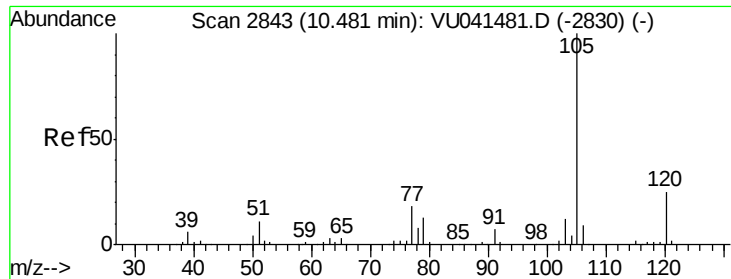
#55
Styrene
Concen: 5.100 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041492.D
Acq: 07 Dec 2020 14:52

Tgt Ion:104 Resp: 50009
Ion Ratio Lower Upper
104 100
78 52.4 39.8 74.0



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





#56

Isopropylbenzene

Concen: 4.986 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041492.D

Acq: 07 Dec 2020 14:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

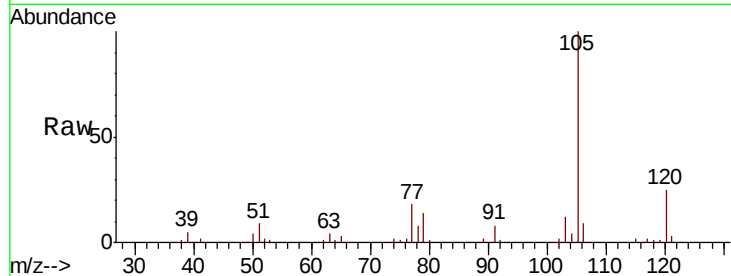
Tot Ion:105 Resp: 81285

Ion Ratio Lower Upper

105 100

120 25.6 20.0 30.0

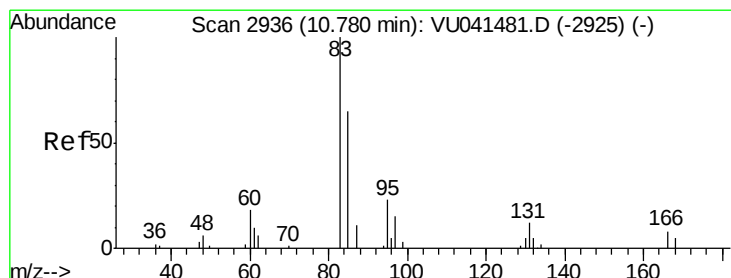
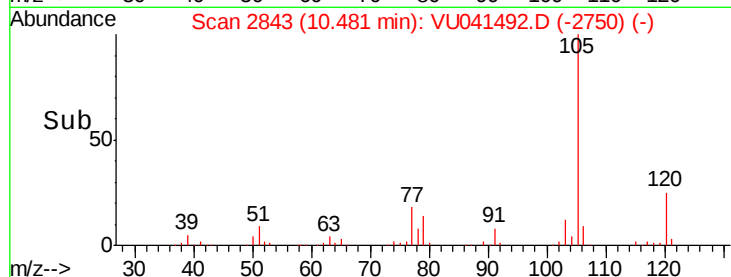
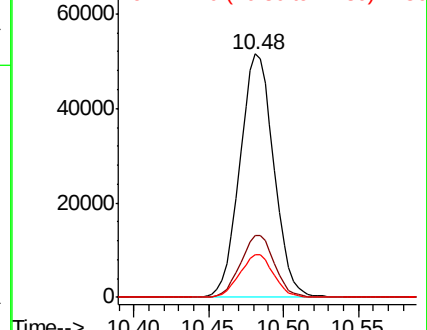
77 17.4 13.9 20.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.586 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041492.D

Acq: 07 Dec 2020 14:52

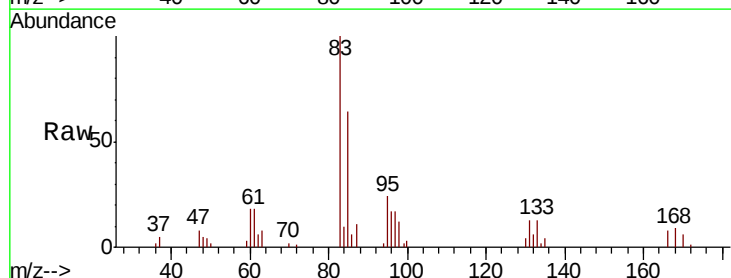
Tgt Ion: 83 Resp: 16196

Ion Ratio Lower Upper

83 100

85 64.0 45.2 84.0

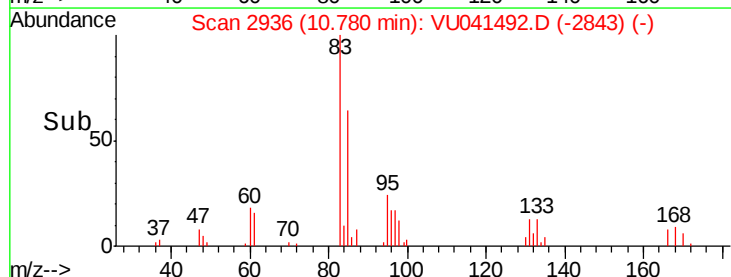
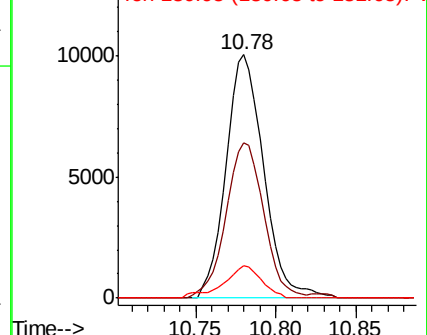
131 13.2 9.1 13.7

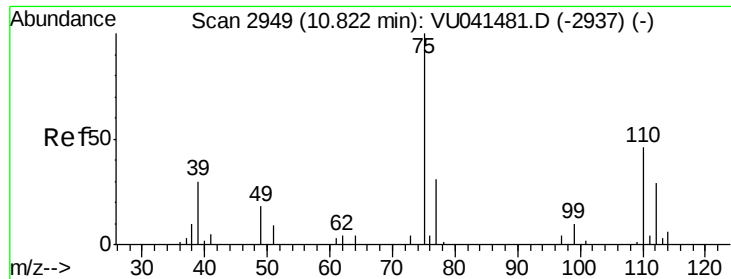


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.466 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041492.D

Acq: 07 Dec 2020 14:52

Instrument :

MSVOA_U

ClientSampleId :

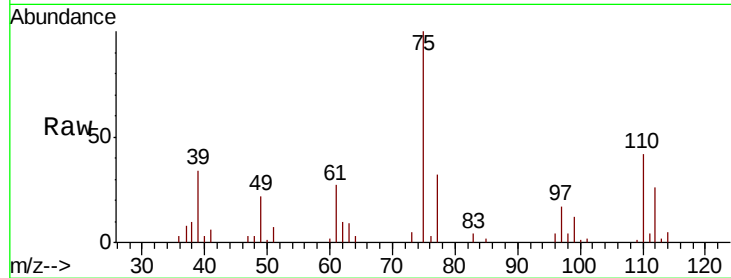
VSTD00530

Tot Ion: 75 Resp: 12918

Ion Ratio Lower Upper

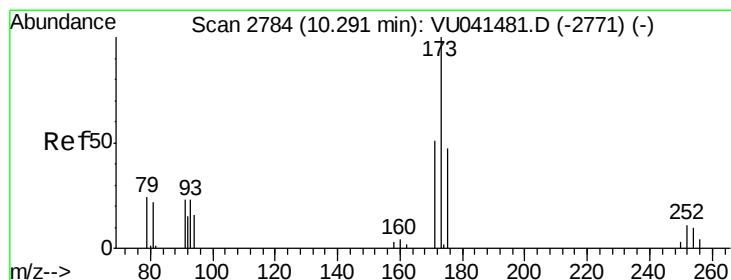
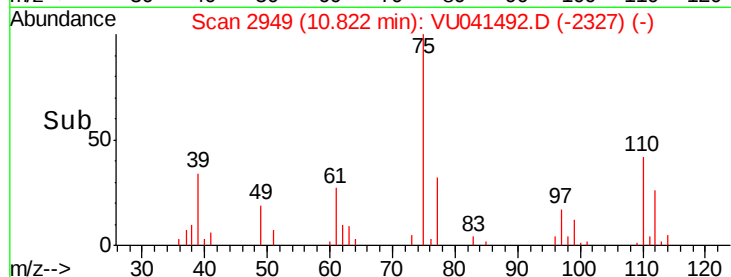
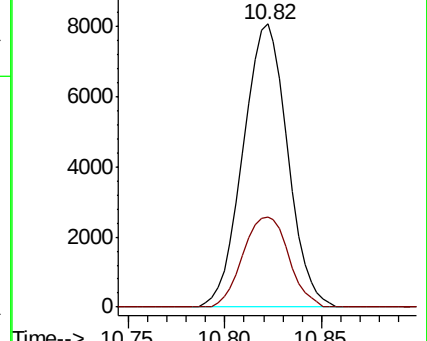
75 100

77 32.8 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VU041481.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041481.D (-2937) (-)



#61

Bromoform

Concen: 5.619 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041492.D

Acq: 07 Dec 2020 14:52

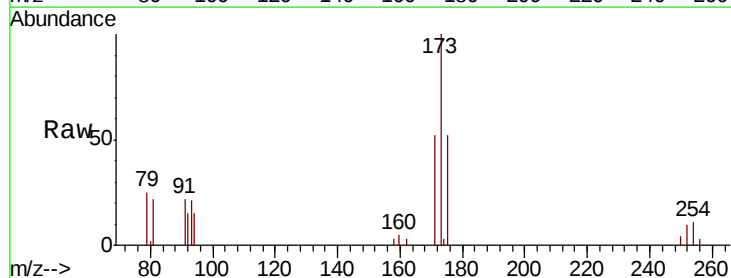
Tgt Ion: 173 Resp: 12818

Ion Ratio Lower Upper

173 100

175 49.1 38.8 58.2

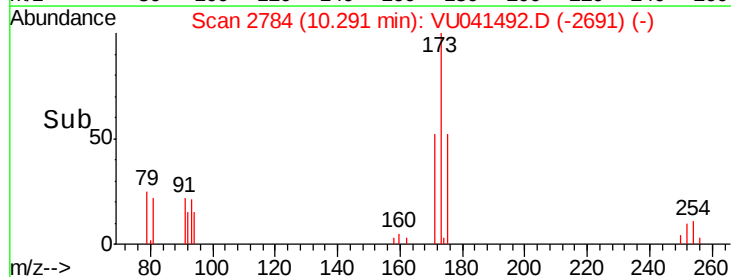
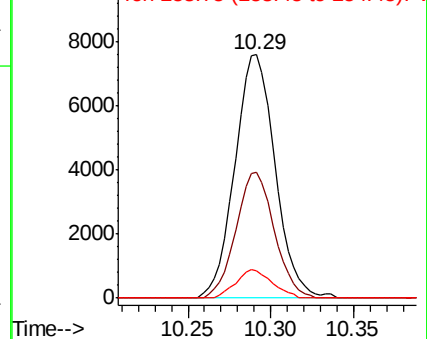
254 10.5 7.6 11.4

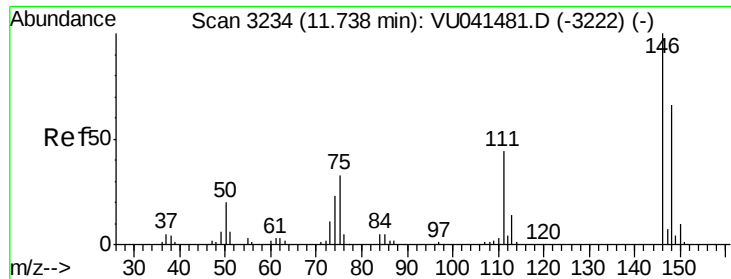


Abundance Ion 172.90 (172.60 to 173.60): VU041481.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU041481.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU041481.D (-2771) (-)

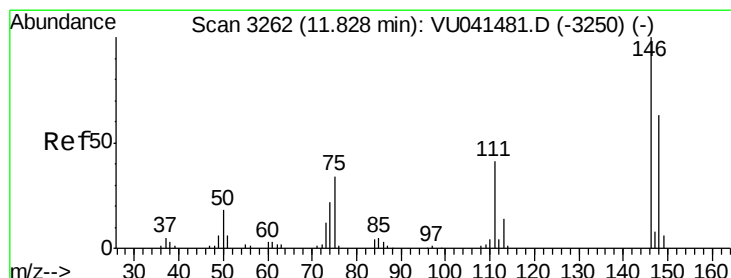
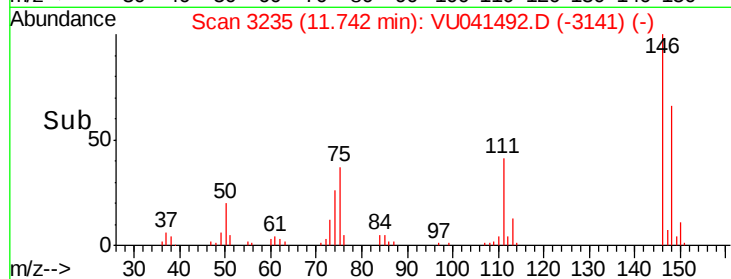
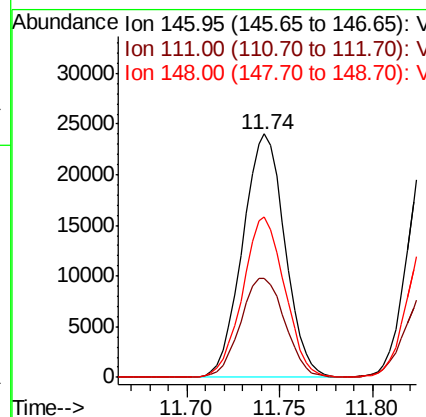
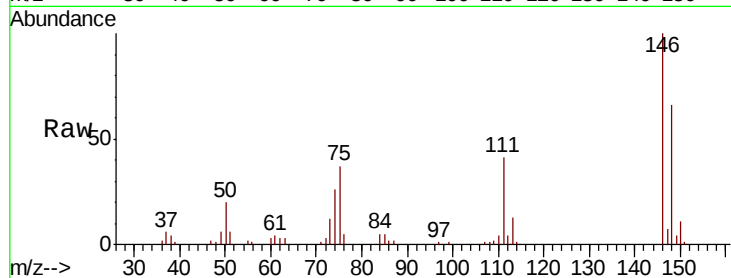




#62
 1,3-Dichlorobenzene
 Concen: 4.973 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041492.D
 Acq: 07 Dec 2020 14:52

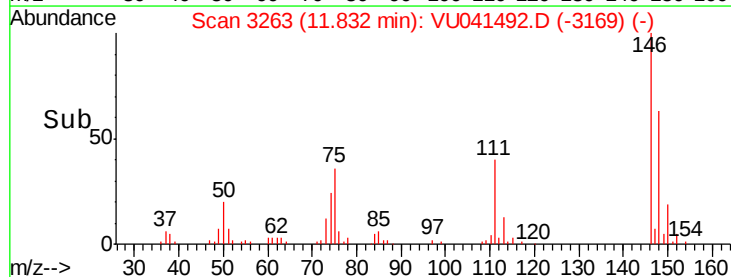
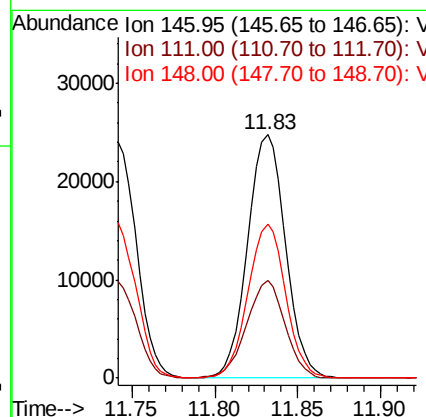
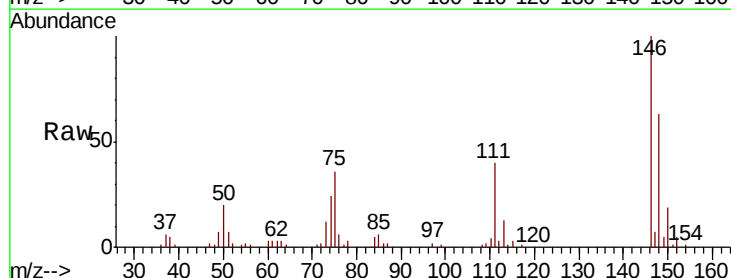
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

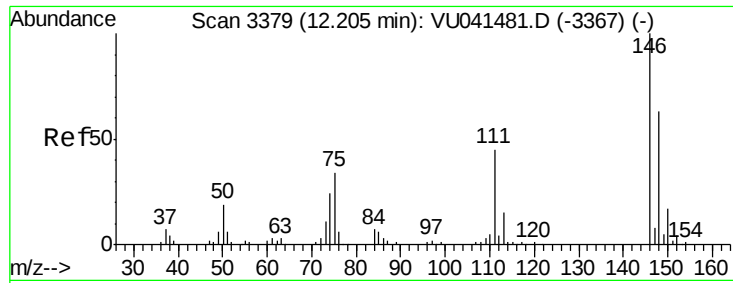
Tot Ion:146 Resp: 38050
 Ion Ratio Lower Upper
 146 100
 111 40.8 30.2 56.0
 148 65.8 44.0 81.6



#63
 1,4-Dichlorobenzene
 Concen: 5.056 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041492.D
 Acq: 07 Dec 2020 14:52

Tgt Ion:146 Resp: 39662
 Ion Ratio Lower Upper
 146 100
 111 39.9 30.7 57.1
 148 63.1 45.8 85.2

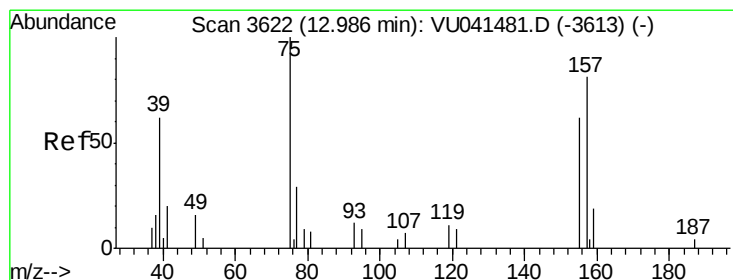
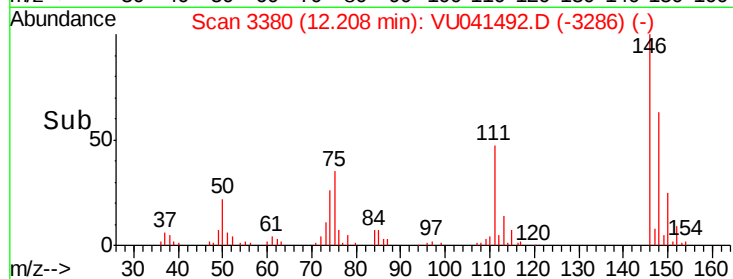
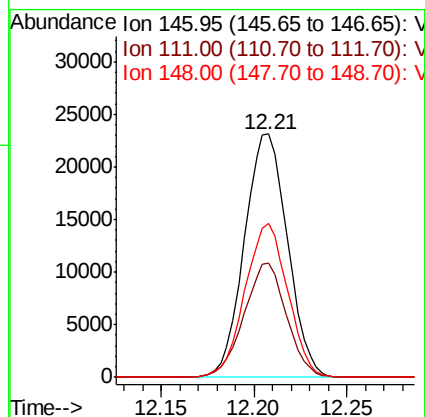
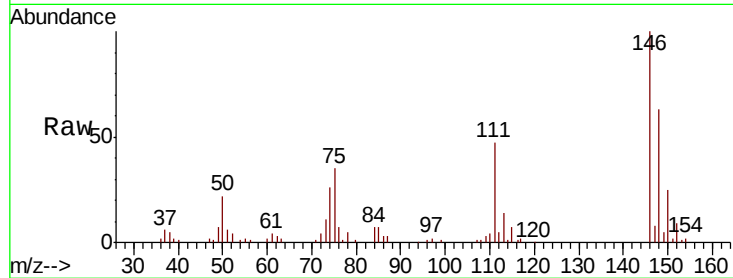




#65
 1,2-Dichlorobenzene
 Concen: 4.931 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU041492.D
 Acq: 07 Dec 2020 14:52

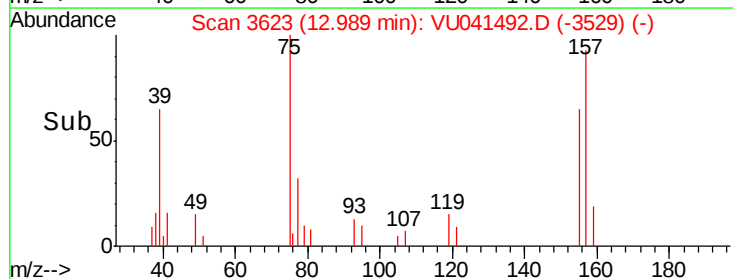
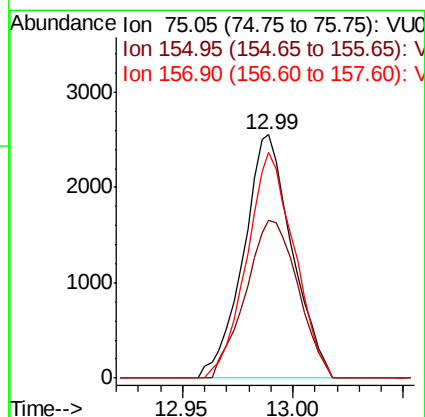
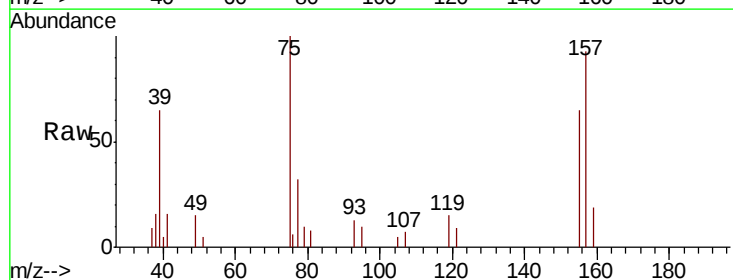
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

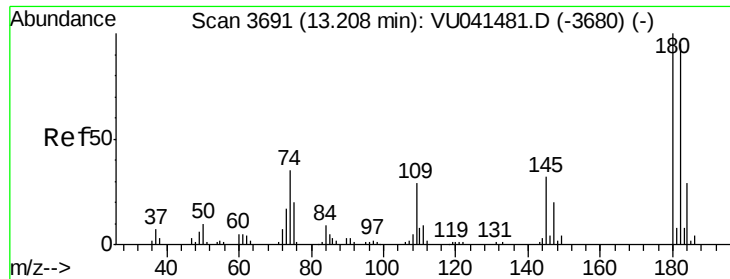
Tot Ion:146 Resp: 37357
 Ion Ratio Lower Upper
 146 100
 111 47.0 36.0 54.0
 148 63.1 49.0 73.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.254 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041492.D
 Acq: 07 Dec 2020 14:52

Tgt Ion: 75 Resp: 3899
 Ion Ratio Lower Upper
 75 100
 155 64.9 58.0 87.0
 157 92.6 77.1 115.7

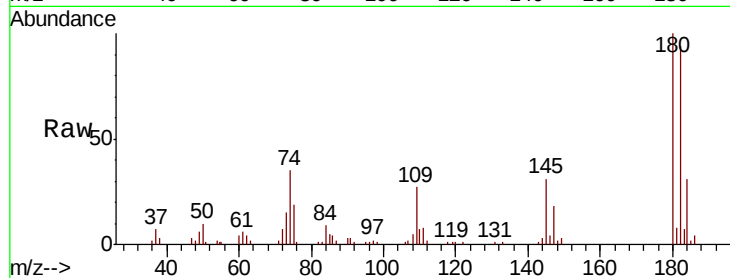




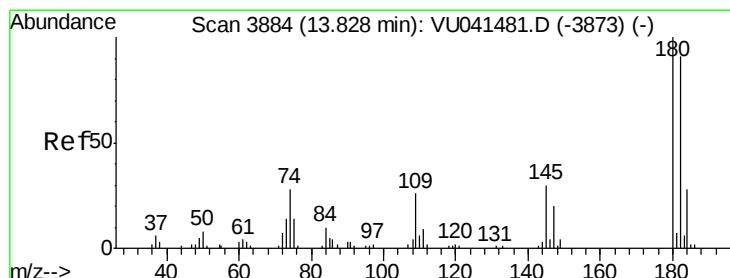
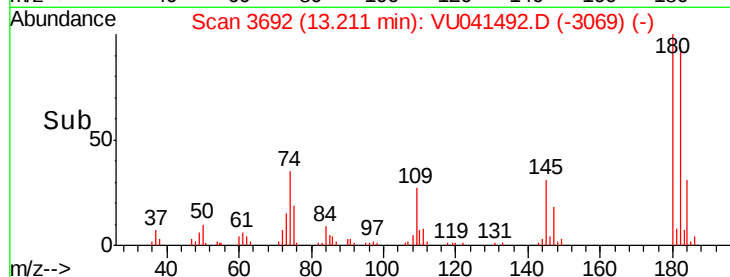
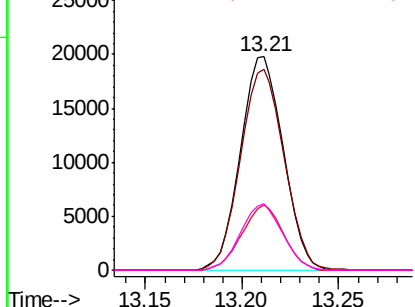
#67
 1,3,5-Trichlorobenzene
 Concen: 4.980 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041492.D
 Acq: 07 Dec 2020 14:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion:180 Resp: 30446
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.3 114.5
 184 29.8 23.8 35.6
 145 30.5 25.1 37.7

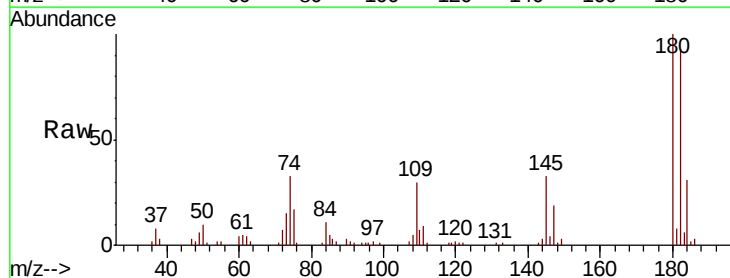


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

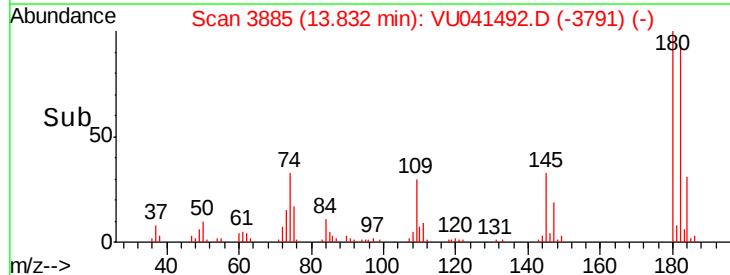
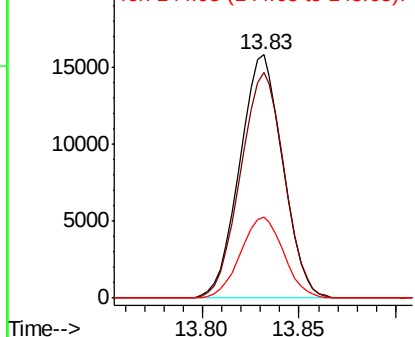


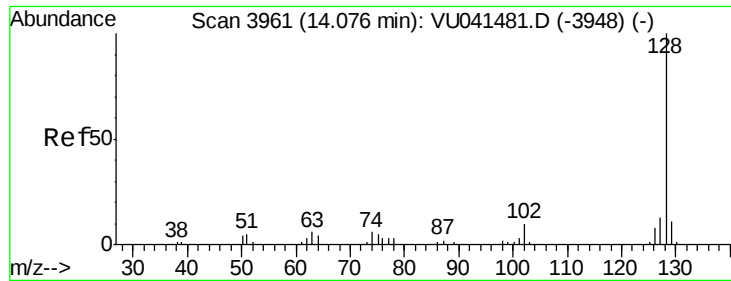
#68
 1,2,4-trichlorobenzene
 Concen: 5.011 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041492.D
 Acq: 07 Dec 2020 14:52

Tgt Ion:180 Resp: 24521
 Ion Ratio Lower Upper
 180 100
 182 93.9 77.8 116.8
 145 33.1 26.4 39.6



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





#69

Naphthalene

Concen: 4.861 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041492.D

Acq: 07 Dec 2020 14:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

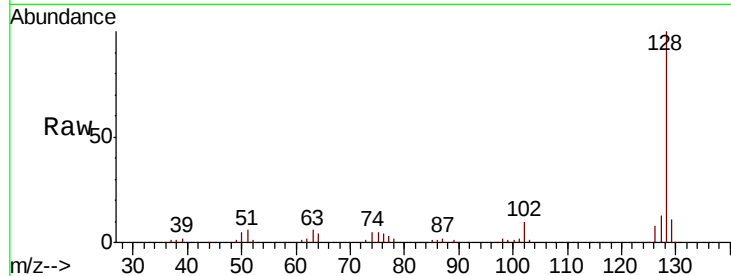
Tot Ion:128 Resp: 37384

Ion Ratio Lower Upper

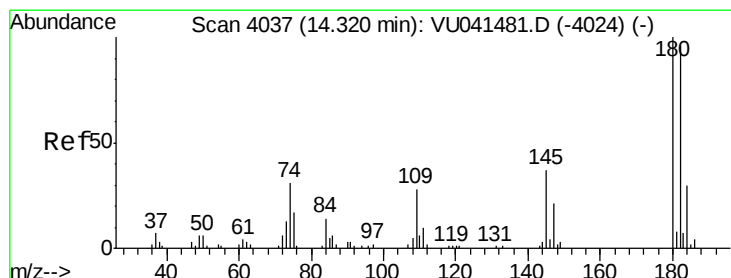
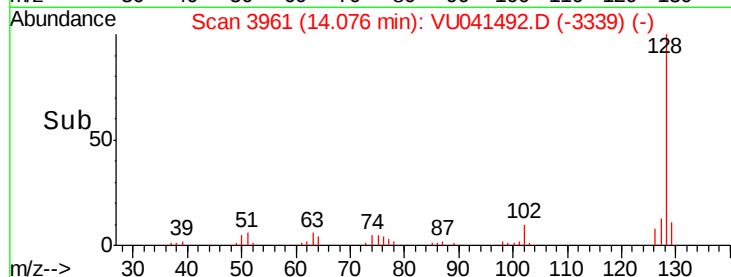
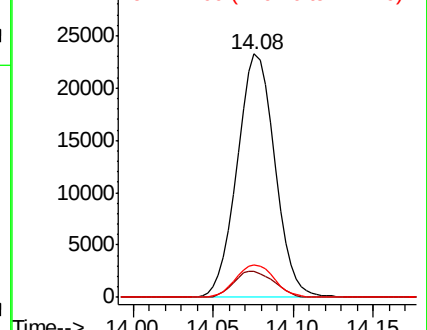
128 100

129 11.2 8.6 12.8

127 13.8 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.138 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU041492.D

Acq: 07 Dec 2020 14:52

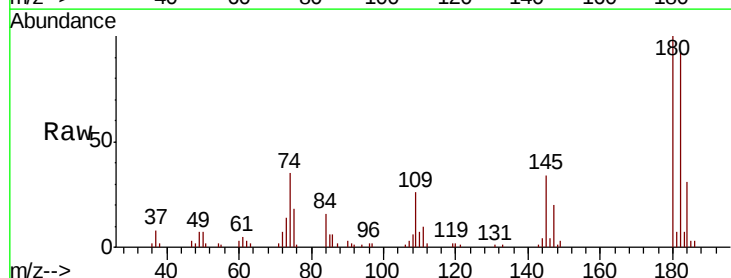
Tgt Ion:180 Resp: 22256

Ion Ratio Lower Upper

180 100

182 96.8 79.1 118.7

145 34.4 27.8 41.8



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

