

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110920\
 Data File : VU041165.D
 Acq On : 10 Nov 2020 01:25
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Quant Time: Nov 10 04:27:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 10 04:18:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	54782	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	54493	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	28248	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	24462	5.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.20%
7) Chloroethane-d5	1.92	69	18641	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.40%
11) 1,1-Dichloroethene-d2	2.58	63	46417	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.80%
20) 2-Butanone-d5	4.65	46	81083	53.50	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.00%
24) Chloroform-d	5.08	84	47312	5.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.40%
26) 1,2-Dichloroethane-d4	5.72	65	29457	5.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.80%
32) Benzene-d6	5.74	84	85443	5.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.20%
36) 1,2-Dichloropropane-d6	6.70	67	28042	5.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	118.20%
41) Toluene-d8	7.91	98	79431	6.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	120.40%
43) trans-1,3-Dichloropropene-	8.19	79	10966	5.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.60%
46) 2-Hexanone-d5	8.64	63	61965	55.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.92%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	24186	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	29623	5.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	119.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	24885	4.976	ug/L	99
3) Chloromethane	1.53	50	23196	4.448	ug/L	96
5) Vinyl chloride	1.61	62	24179	4.700	ug/L	97
6) Bromomethane	1.87	94	10022	3.398	ug/L	96
8) Chloroethane	1.94	64	14344	4.400	ug/L	99
9) Trichlorofluoromethane	2.15	101	37665	5.386	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	20236	4.938	ug/L	94
12) 1,1-Dichloroethene	2.59	96	17855	4.614	ug/L	98
13) Acetone	2.66	43	50026	48.280	ug/L #	59
14) Carbon disulfide	2.81	76	54359	4.204	ug/L	99
15) Methyl Acetate	2.97	43	12185	5.139	ug/L	93
16) Methylene chloride	3.06	84	21807	4.836	ug/L	97
17) Methyl tert-butyl Ether	3.38	73	52593	5.281	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	18803	4.781	ug/L	97
19) 1,1-Dichloroethane	3.89	63	40006	5.089	ug/L	96
21) 2-Butanone	4.73	43	78775	48.643	ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	21980	5.419	ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110920\
 Data File : VU041165.D
 Acq On : 10 Nov 2020 01:25
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Quant Time: Nov 10 04:27:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 10 04:18:40 2020
 Response via : Initial Calibration

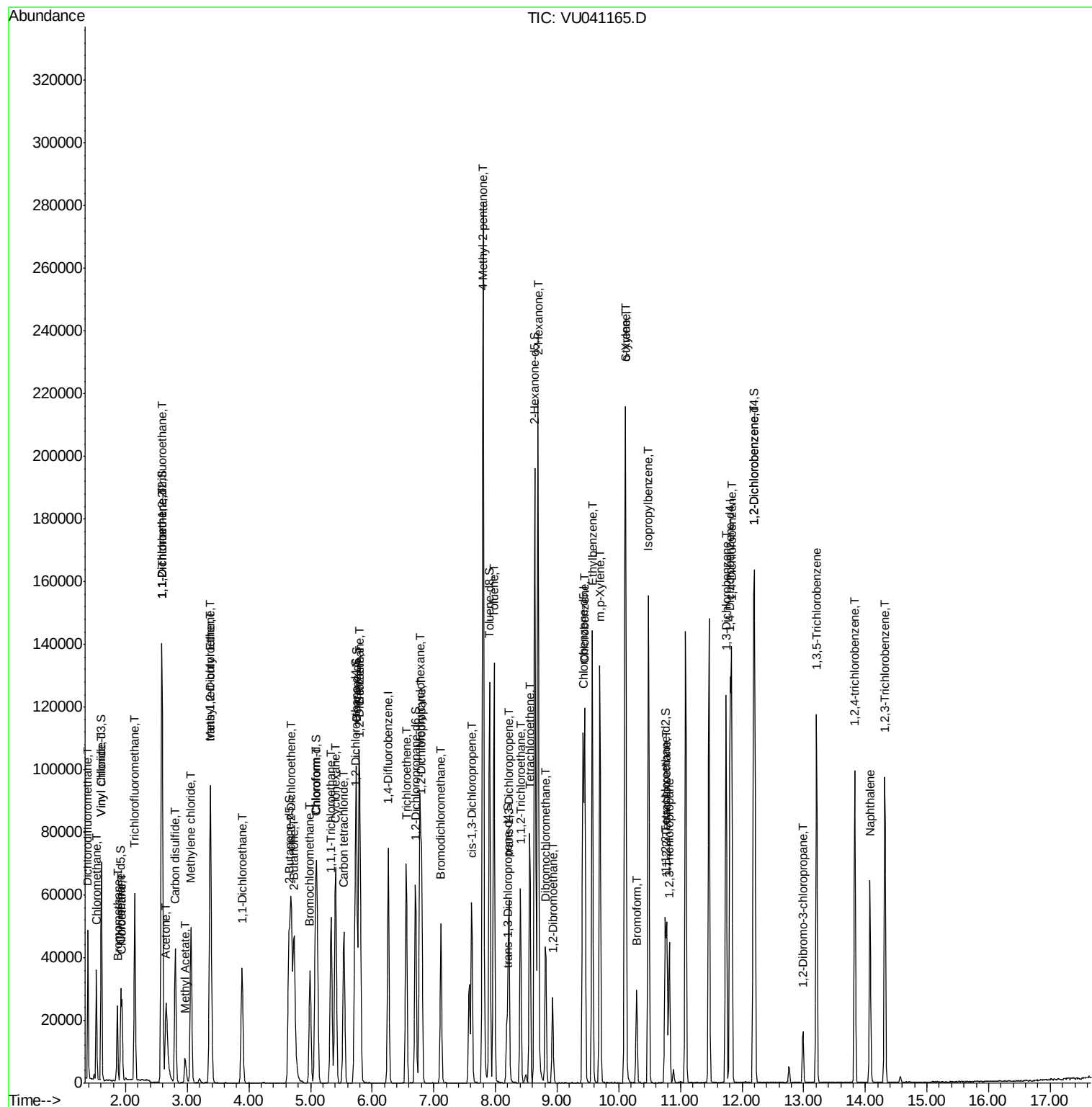
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	10634	5.557	ug/L	94
25) Chloroform	5.11	83	44533	5.648	ug/L	98
27) 1,2-Dichloroethane	5.81	62	31904	5.433	ug/L #	93
29) 1,1,1-Trichloroethane	5.33	97	37378	5.608	ug/L	95
30) Cyclohexane	5.40	56	30630	4.665	ug/L	98
31) Carbon tetrachloride	5.54	117	32470	5.502	ug/L	98
33) Benzene	5.79	78	85319	5.240	ug/L	100
34) Trichloroethene	6.56	95	23329	5.630	ug/L	98
35) Methylcyclohexane	6.77	83	29356	4.749	ug/L	98
37) 1,2-Dichloropropane	6.80	63	23588	5.354	ug/L	98
38) Bromodichloromethane	7.11	83	31033	5.430	ug/L	95
39) cis-1,3-Dichloropropene	7.61	75	30948	5.102	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	186299	53.033	ug/L	99
42) Toluene	7.98	91	89845	5.442	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	29637	5.221	ug/L	95
45) 1,1,2-Trichloroethane	8.41	97	18199	5.549	ug/L	91
47) Tetrachloroethene	8.56	164	16215	5.322	ug/L	97
48) 2-Hexanone	8.69	43	140757	53.215	ug/L	99
49) Dibromochloromethane	8.82	129	21608	5.673	ug/L	100
50) 1,2-Dibromoethane	8.93	107	16505	5.281	ug/L	100
51) Chlorobenzene	9.45	112	57221	5.465	ug/L	99
52) Ethylbenzene	9.57	91	93475	5.379	ug/L	100
53) m,p-Xylene	9.70	106	34993	5.521	ug/L	93
54) o-Xylene	10.10	106	33797	5.725	ug/L	100
55) Styrene	10.11	104	60330	5.736	ug/L	99
56) Isopropylbenzene	10.48	105	92563	5.831	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.78	83	23002	5.340	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	17101	5.208	ug/L	95
61) Bromoform	10.29	173	12334	5.666	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	45922	5.632	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	47120	5.580	ug/L	98
65) 1,2-Dichlorobenzene	12.20	146	45343	5.635	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	4249	5.388	ug/L	85
67) 1,3,5-Trichlorobenzene	13.21	180	32114	5.631	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	27286	5.776	ug/L	98
69) Naphthalene	14.08	128	47525	5.626	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	26188	6.015	ug/L	100

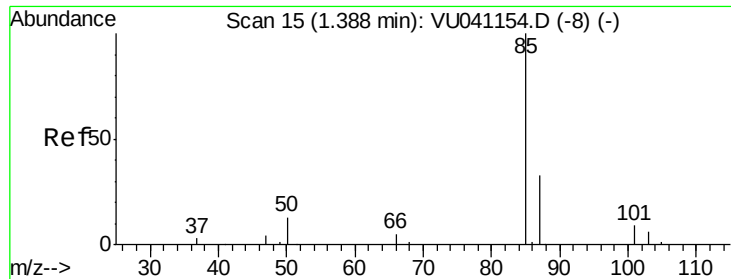
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU110920\
Data File : VU041165.D
Acq On : 10 Nov 2020 01:25
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Quant Time: Nov 10 04:27:30 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 10 04:18:40 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.976 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041165.D

Acq: 10 Nov 2020 01:25

Instrument :

MSVOA_U

ClientSampleId :

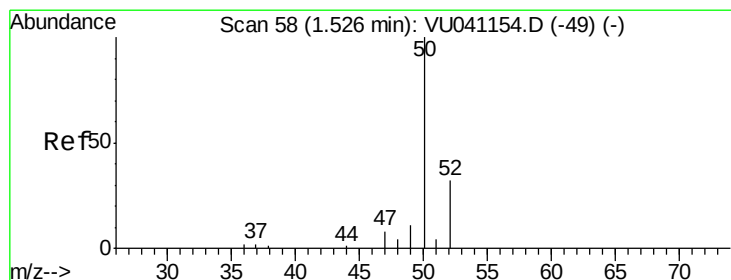
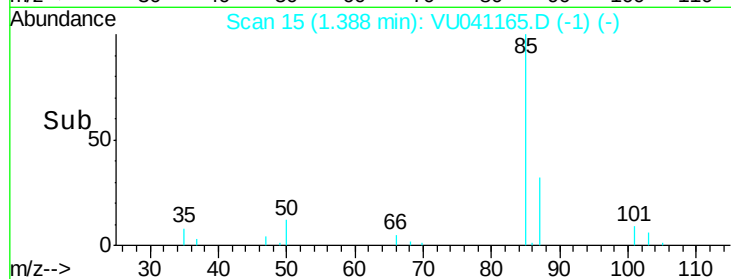
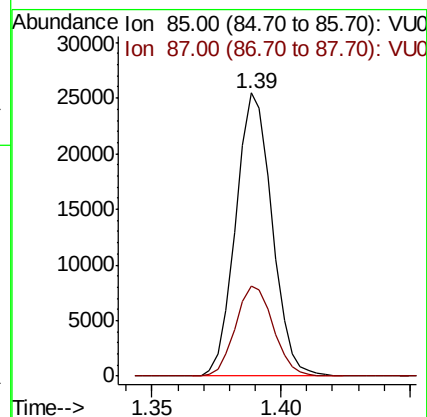
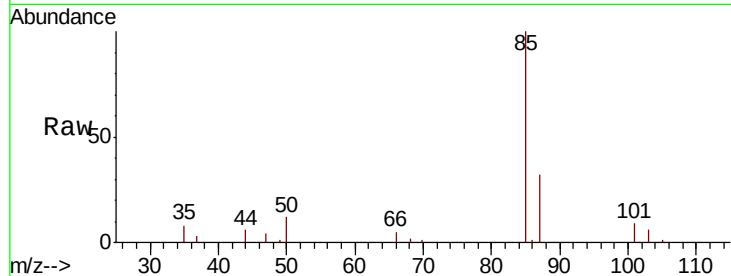
VSTD00523

Tot Ion: 85 Resp: 24885

Ion Ratio Lower Upper

85 100

87 33.1 25.8 38.8



#3

Chloromethane

Concen: 4.448 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041165.D

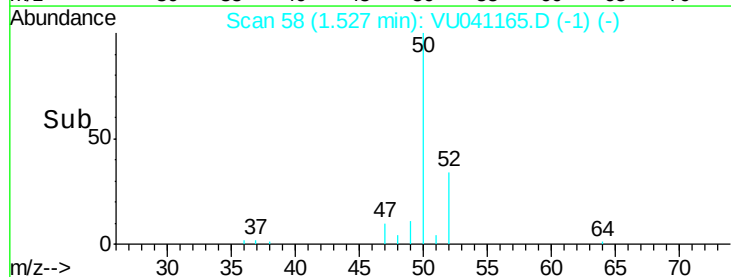
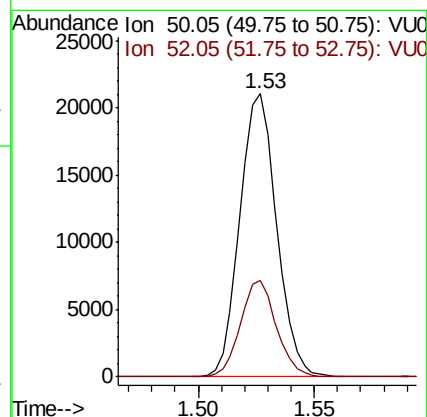
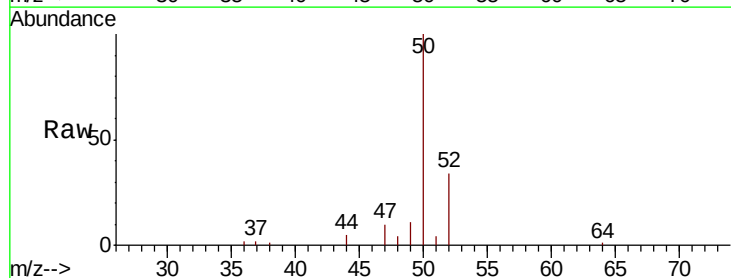
Acq: 10 Nov 2020 01:25

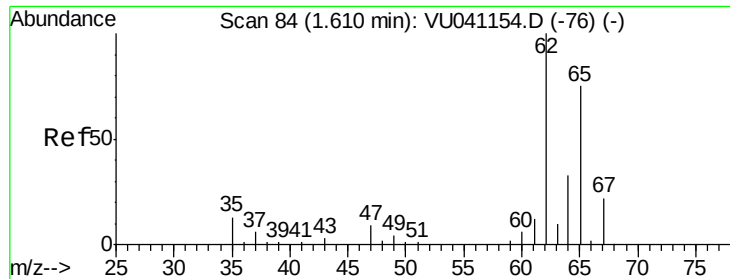
Tgt Ion: 50 Resp: 23196

Ion Ratio Lower Upper

50 100

52 34.1 22.4 41.6





#5

Vinyl chloride

Concen: 4.700 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041165.D

Acq: 10 Nov 2020 01:25

Instrument :

MSVOA_U

ClientSampleId :

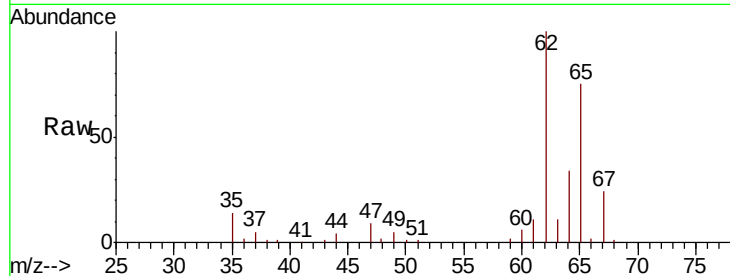
VSTD00523

Tot Ion: 62 Resp: 24179

Ion Ratio Lower Upper

62 100

64 34.1 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

25000

20000

15000

10000

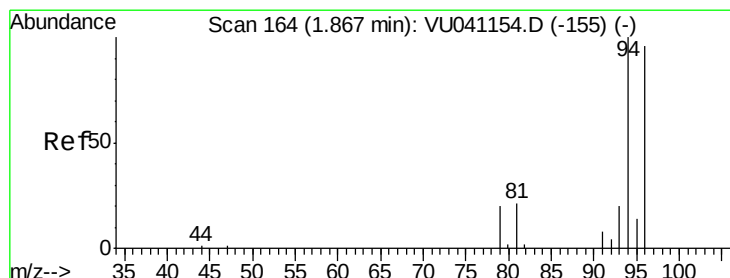
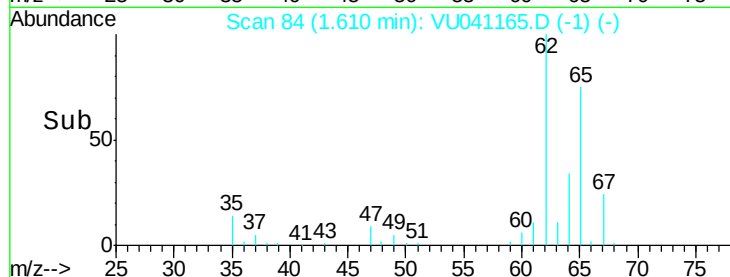
5000

0

1.60

1.65

Time-->



#6

Bromomethane

Concen: 3.398 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041165.D

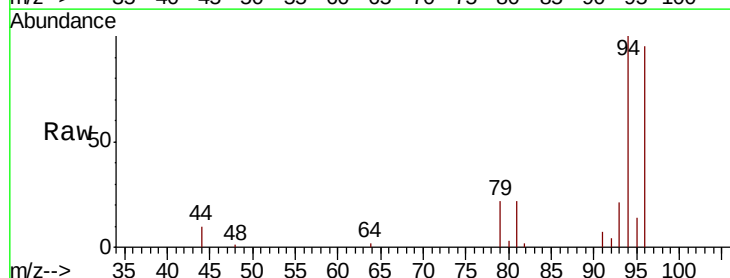
Acq: 10 Nov 2020 01:25

Tgt Ion: 94 Resp: 10022

Ion Ratio Lower Upper

94 100

96 94.9 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

8000

6000

4000

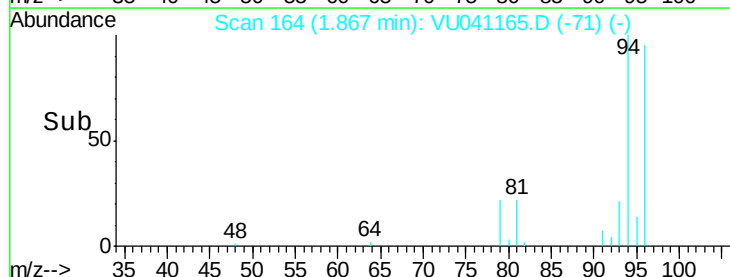
2000

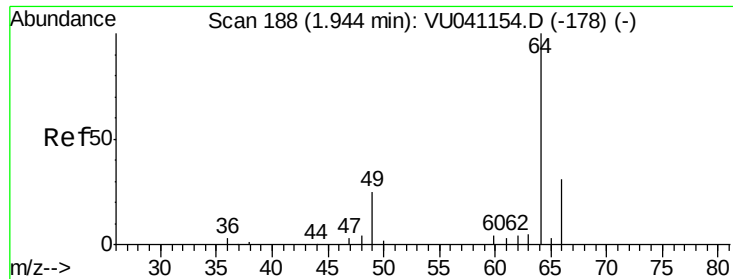
0

1.85

1.90

Time-->

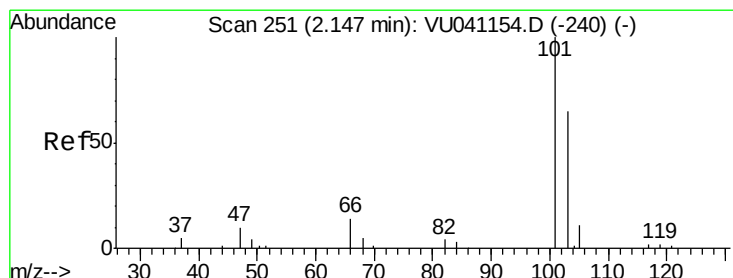
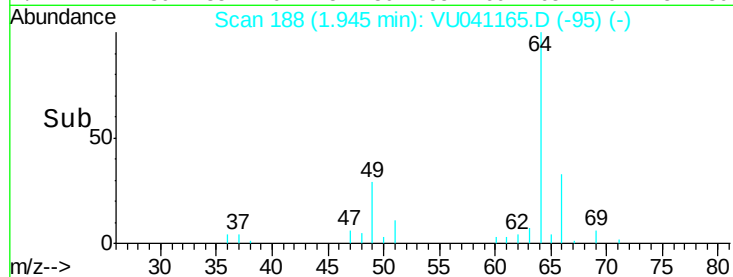
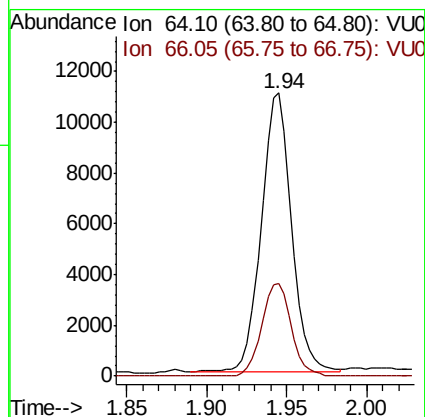
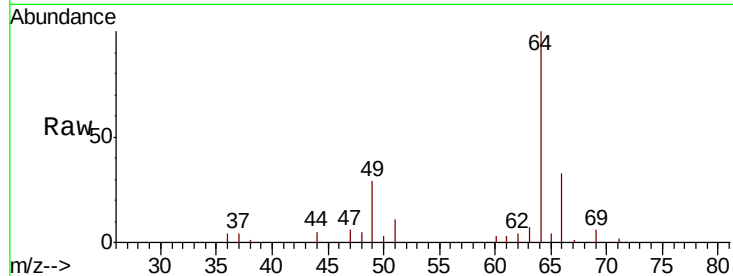




#8
 Chloroethane
 Concen: 4.400 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VU041165.D
 Acq: 10 Nov 2020 01:25

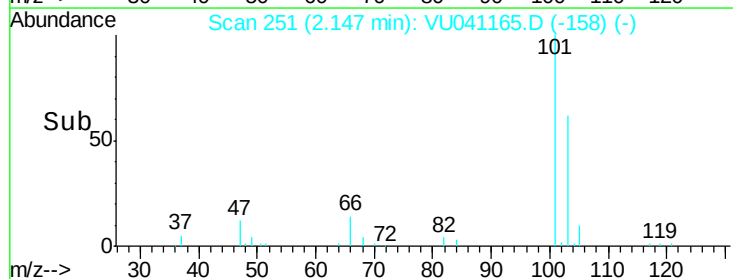
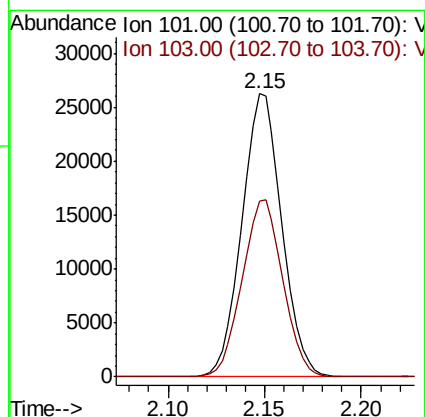
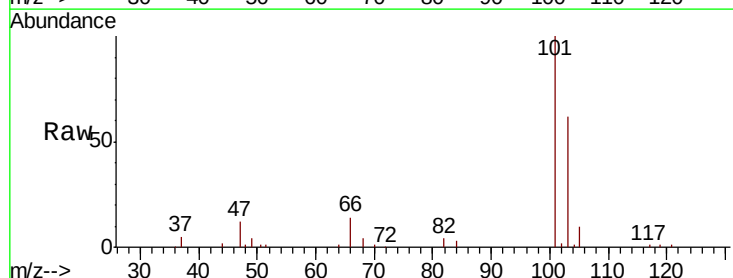
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

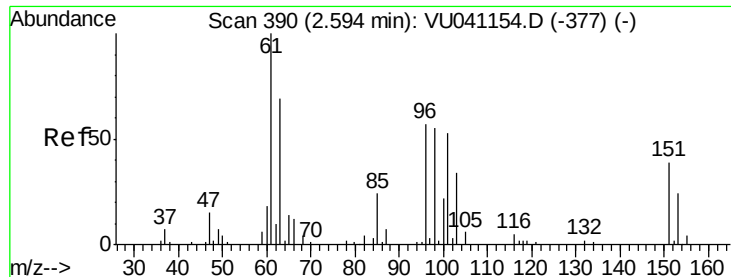
Tot Ion: 64 Resp: 14344
 Ion Ratio Lower Upper
 64 100
 66 32.6 22.3 41.5



#9
 Trichlorofluoromethane
 Concen: 5.386 ug/L
 RT: 2.15 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VU041165.D
 Acq: 10 Nov 2020 01:25

Tgt Ion: 101 Resp: 37665
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.0 76.4





#10

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

Concen: 4.938 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041165.D

Acq: 10 Nov 2020 01:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

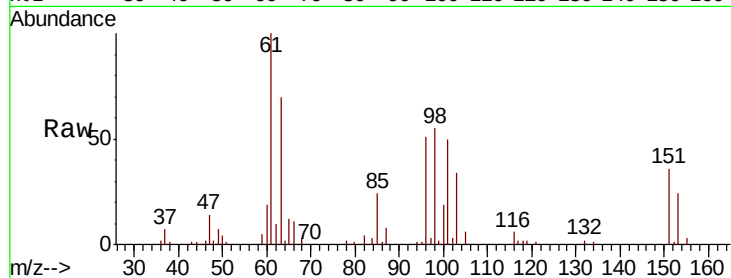
Tot Ion:101 Resp: 20236

Ion Ratio Lower Upper

101 100

85 48.3 35.0 52.4

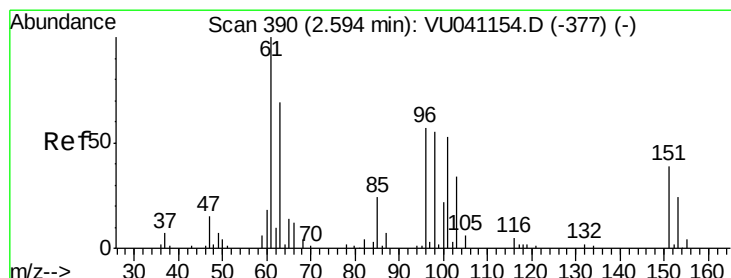
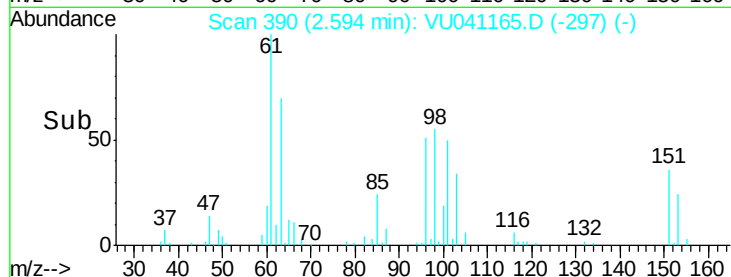
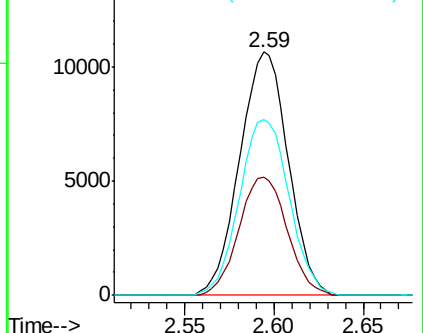
151 74.0 55.3 82.9



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: 4.614 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041165.D

Acq: 10 Nov 2020 01:25

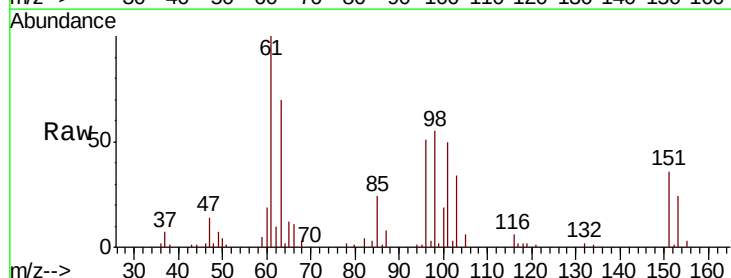
Tgt Ion: 96 Resp: 17855

Ion Ratio Lower Upper

96 100

61 195.7 134.3 249.5

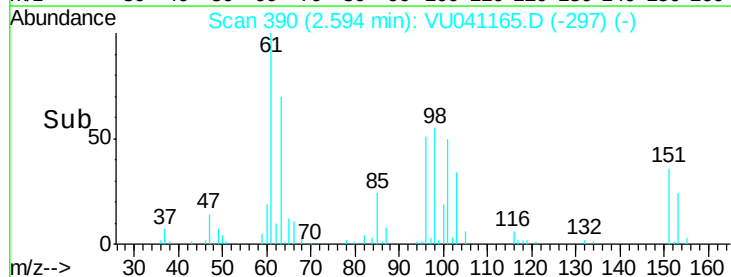
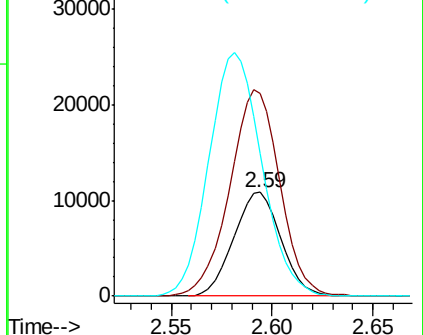
63 137.9 95.0 176.4

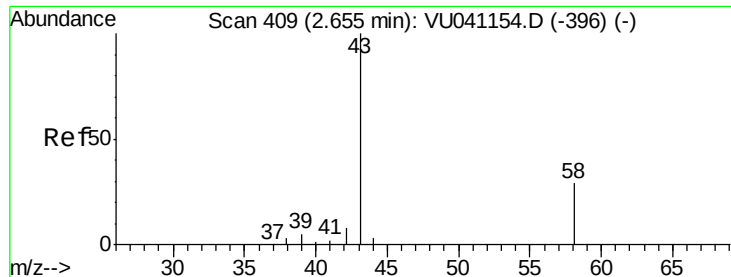


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.280 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU041165.D

Acq: 10 Nov 2020 01:25

Instrument :

MSVOA_U

ClientSampleId :

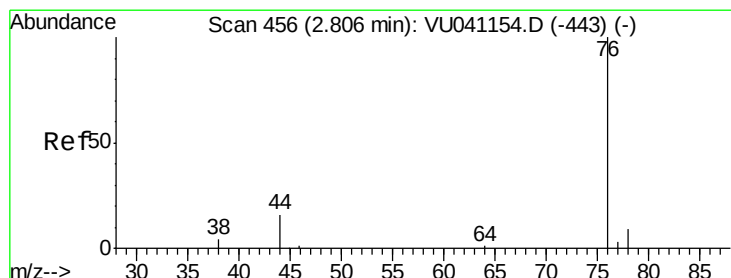
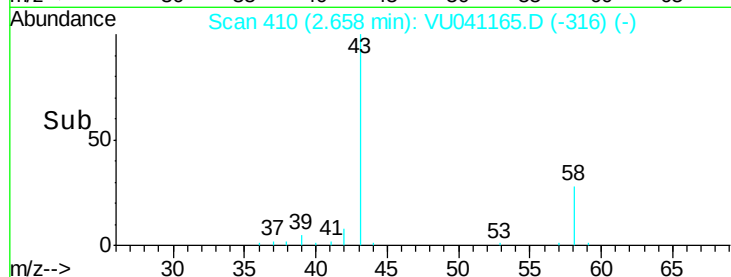
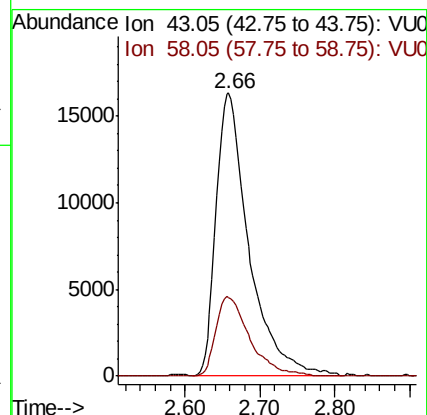
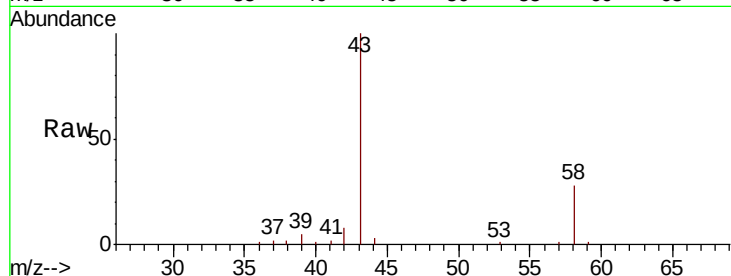
VSTD00523

Tot Ion: 43 Resp: 50026

Ion Ratio Lower Upper

43 100

58 29.1 0.0 25.4#



#14

Carbon disulfide

Concen: 4.204 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041165.D

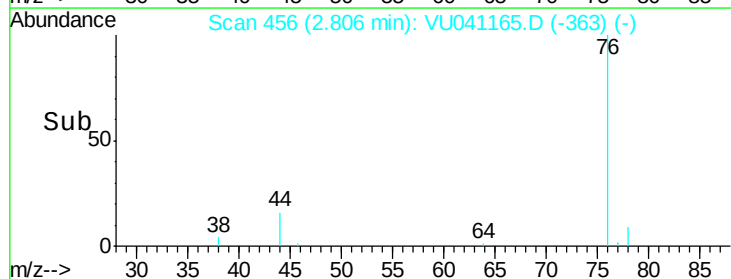
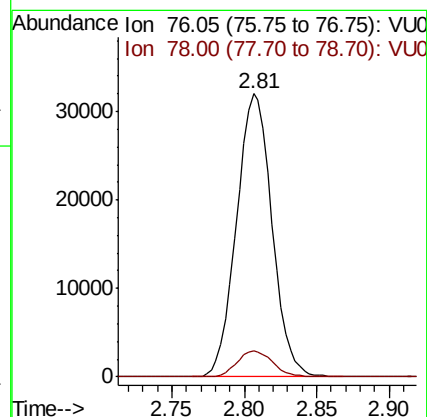
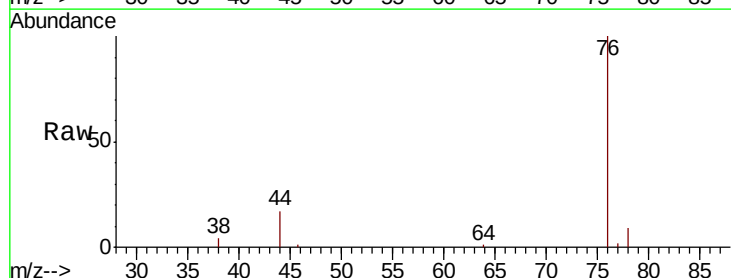
Acq: 10 Nov 2020 01:25

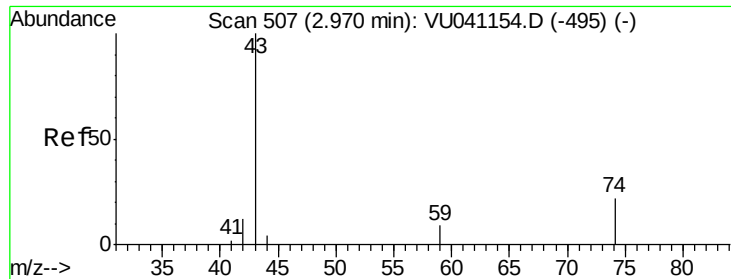
Tgt Ion: 76 Resp: 54359

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3

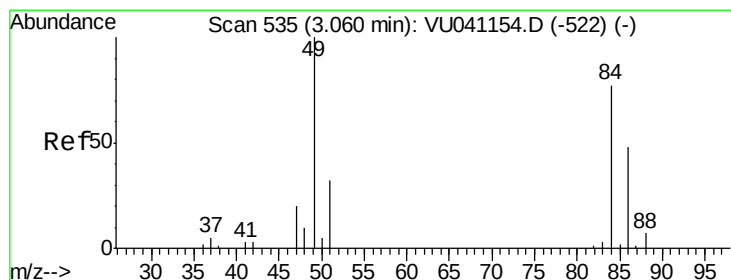
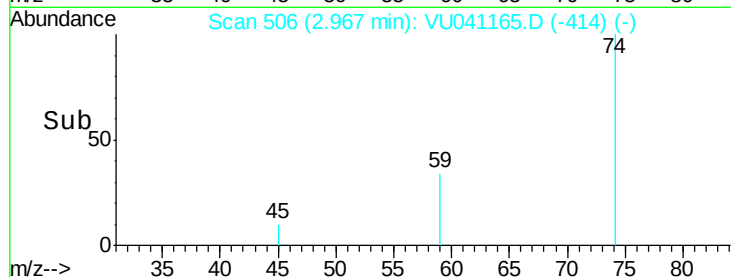
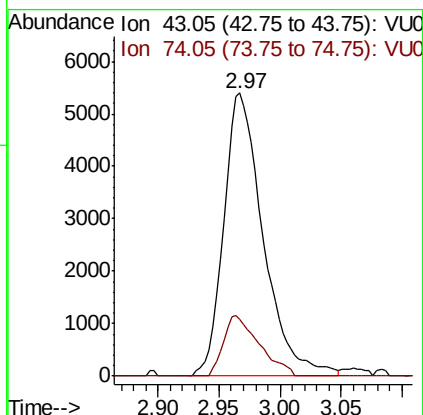
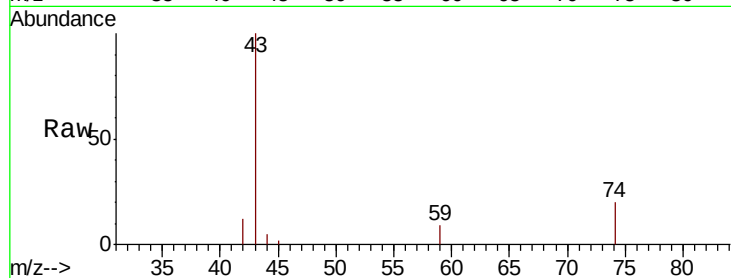




#15
Methvl Acetate
Concen: 5.139 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.00 min
Lab File: VU041165.D
Acq: 10 Nov 2020 01:25

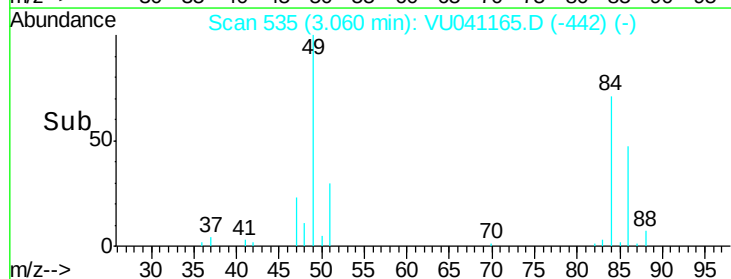
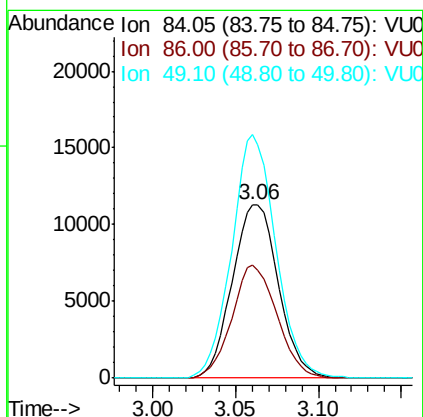
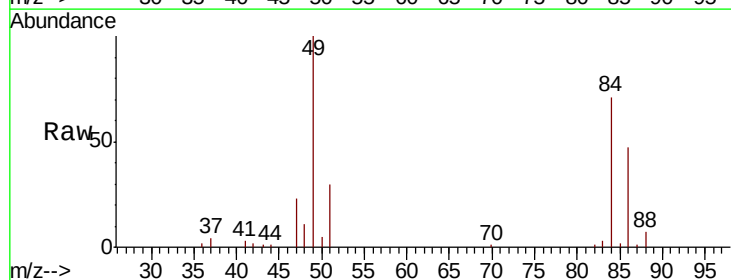
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

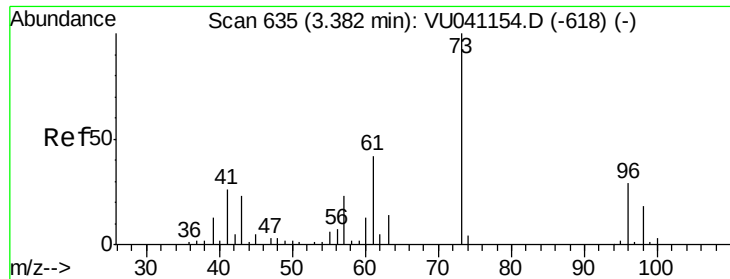
Tot Ion: 43 Resp: 12185
Ion Ratio Lower Upper
43 100
74 19.3 18.3 27.5



#16
Methylene chloride
Concen: 4.836 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041165.D
Acq: 10 Nov 2020 01:25

Tgt Ion: 84 Resp: 21807
Ion Ratio Lower Upper
84 100
86 65.2 42.8 79.6
49 140.1 99.5 184.7

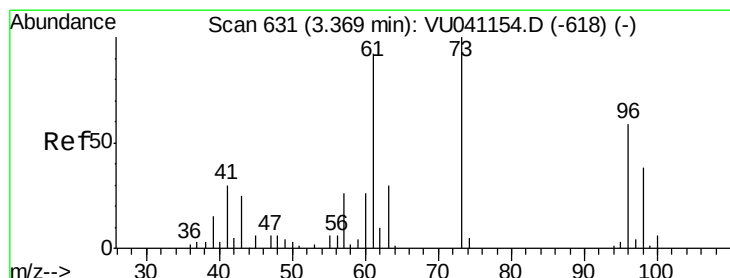
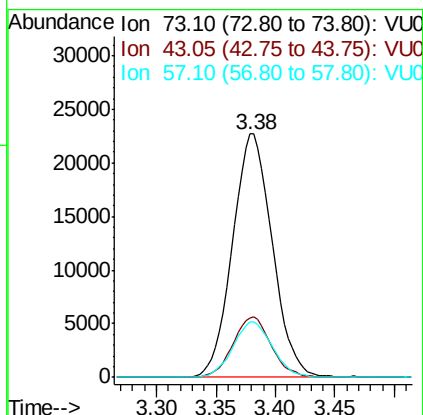
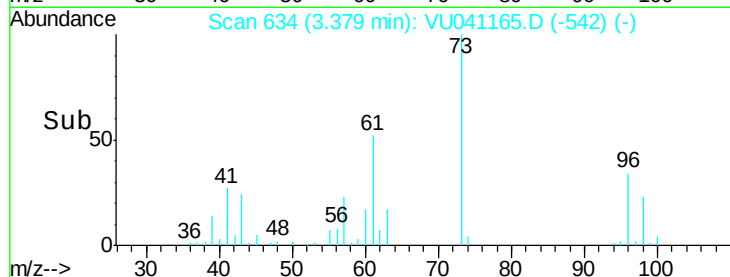
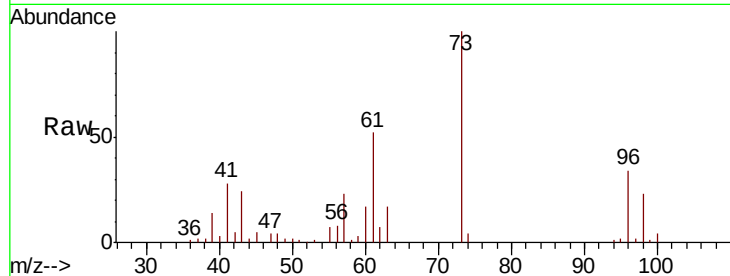




#17
Methyl tert-butyl Ether
Concen: 5.281 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041165.D
Acq: 10 Nov 2020 01:25

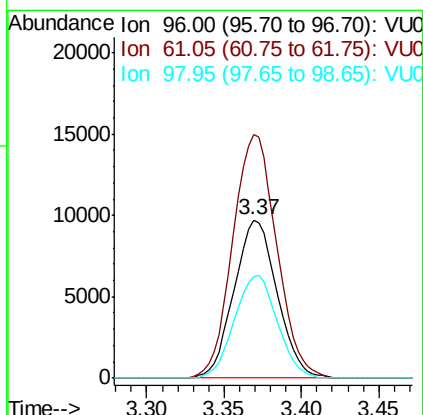
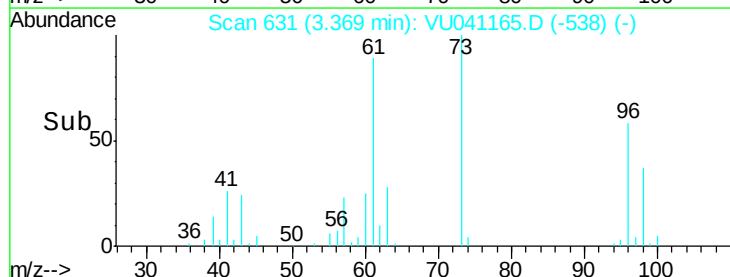
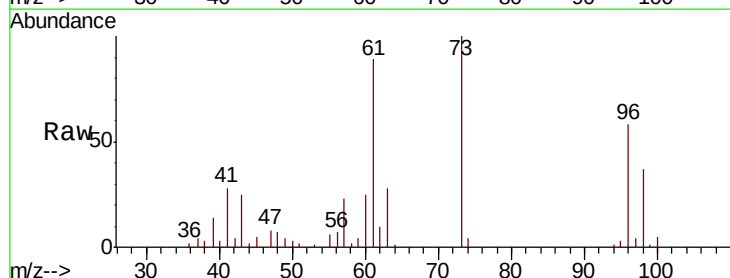
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

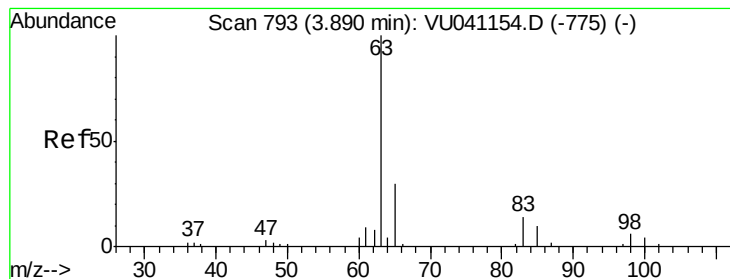
Tot Ion: 73 Resp: 52593
Ion Ratio Lower Upper
73 100
43 23.8 18.5 27.7
57 22.5 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 4.781 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041165.D
Acq: 10 Nov 2020 01:25

Tgt Ion: 96 Resp: 18803
Ion Ratio Lower Upper
96 100
61 153.6 110.9 205.9
98 64.3 45.4 84.2





#19

1,1-Dichloroethane

Concen: 5.089 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU041165.D

Acq: 10 Nov 2020 01:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

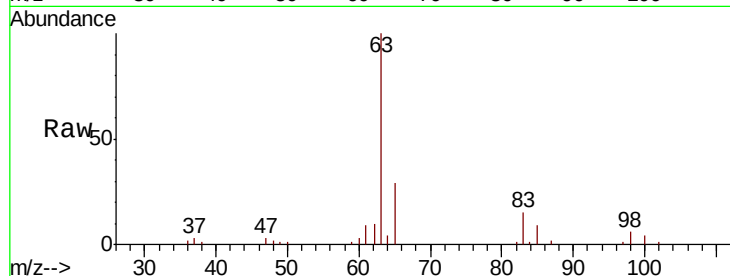
Tot Ion: 63 Resp: 40006

Ion Ratio Lower Upper

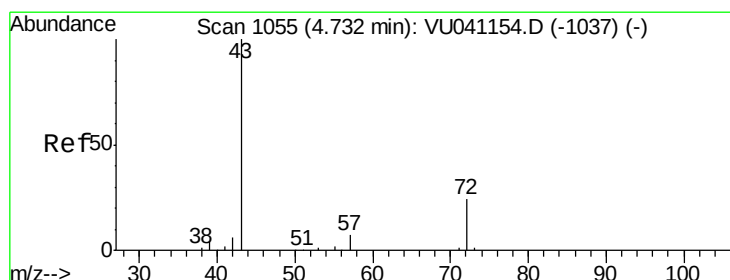
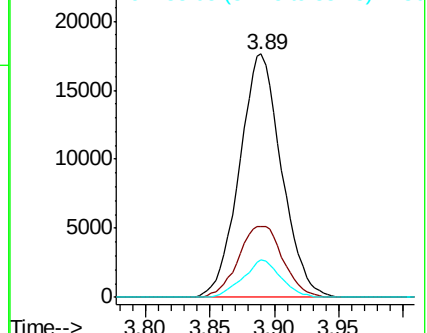
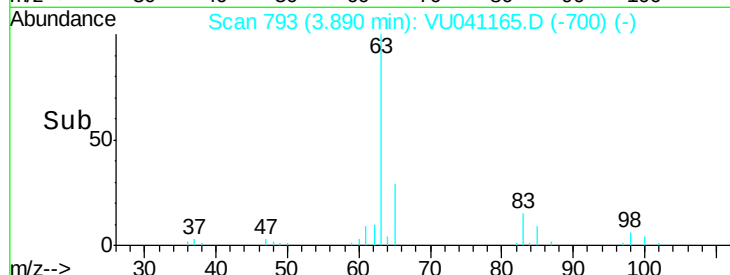
63 100

65 29.1 21.3 39.6

83 15.2 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU041165.D (-700) (-)



#21

2-Butanone

Concen: 48.643 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VU041165.D

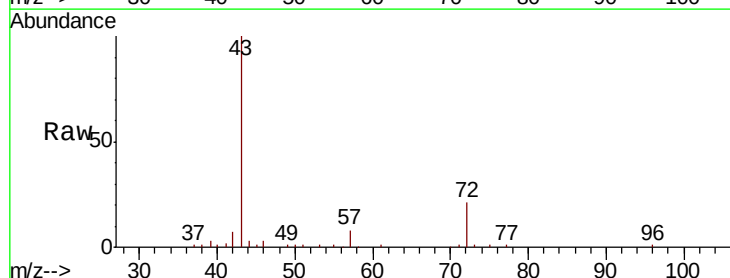
Acq: 10 Nov 2020 01:25

Tgt Ion: 43 Resp: 78775

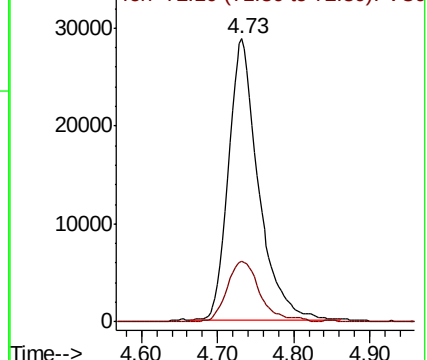
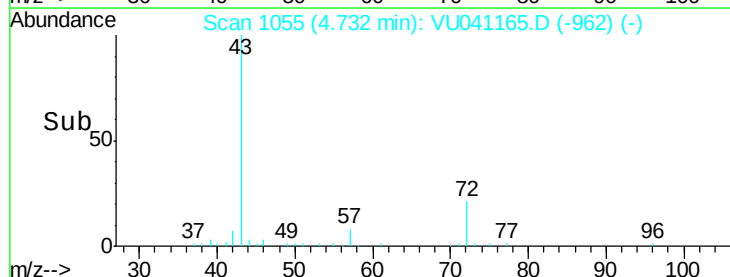
Ion Ratio Lower Upper

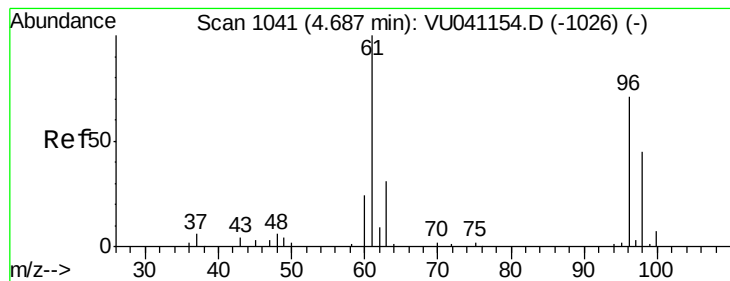
43 100

72 23.2 11.8 35.4



Abundance Ion 43.05 (42.75 to 43.75): VU041165.D (-962) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.419 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041165.D

Acq: 10 Nov 2020 01:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

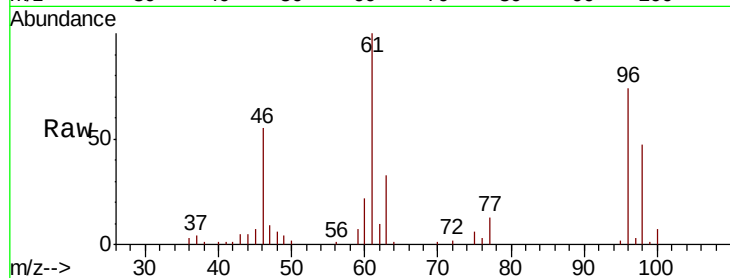
Tot Ion: 96 Resp: 21980

Ion Ratio Lower Upper

96 100

61 135.8 97.2 180.4

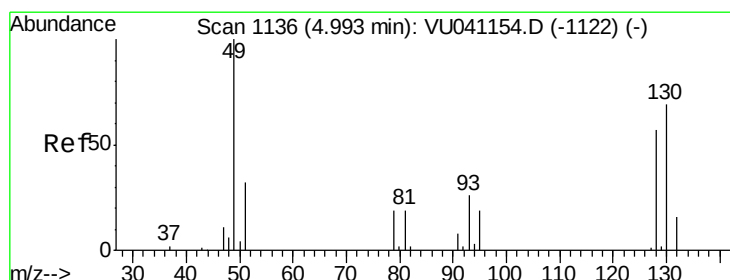
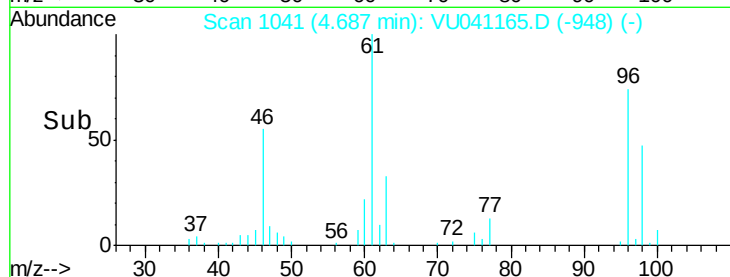
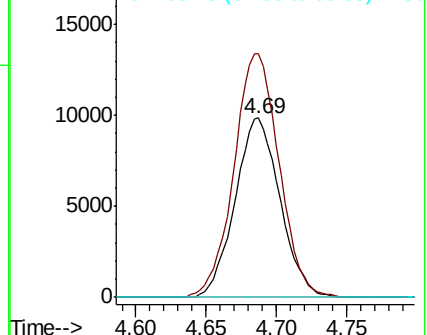
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.557 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041165.D

Acq: 10 Nov 2020 01:25

Tgt Ion: 128 Resp: 10634

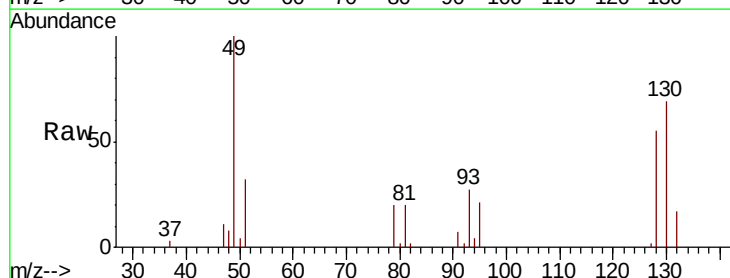
Ion Ratio Lower Upper

128 100

49 181.5 135.0 250.8

130 124.7 89.9 167.0

51 57.8 51.9 77.9

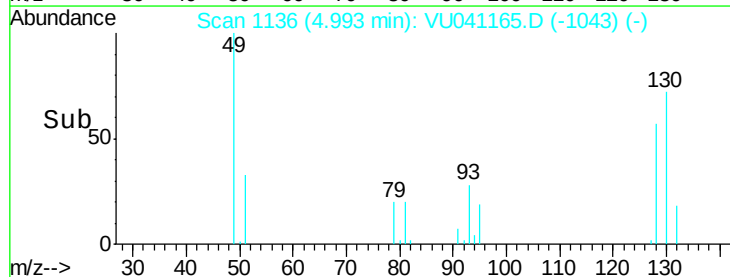
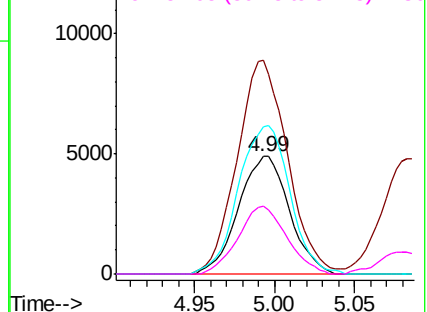


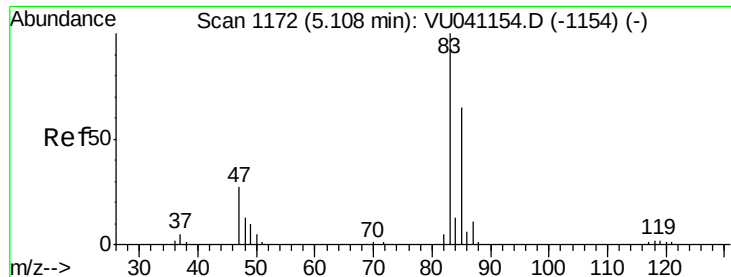
Abundance Ion 127.90 (127.60 to 128.60): V

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

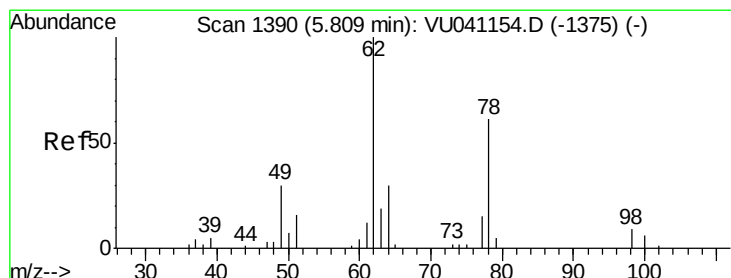
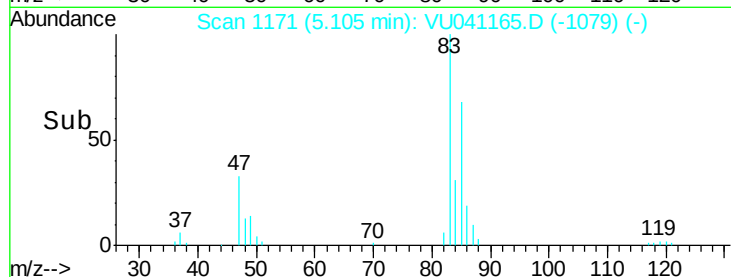
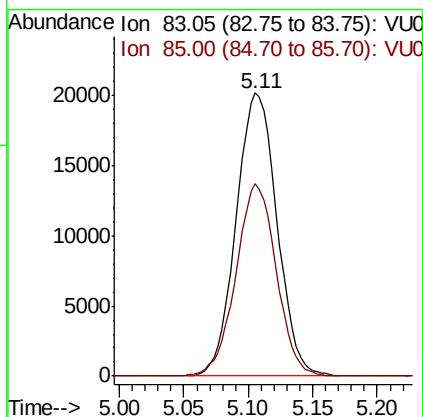
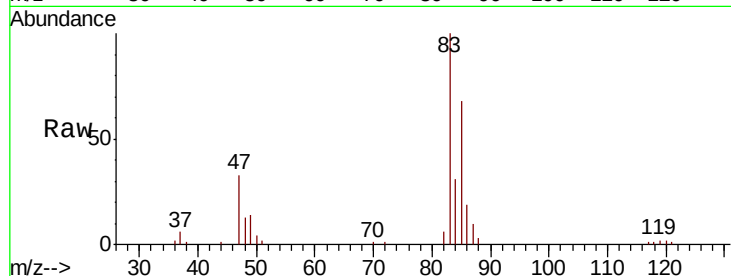




#25
Chloroform
Concen: 5.648 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041165.D
Acq: 10 Nov 2020 01:25

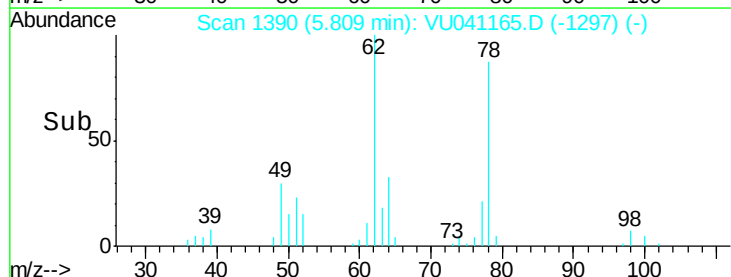
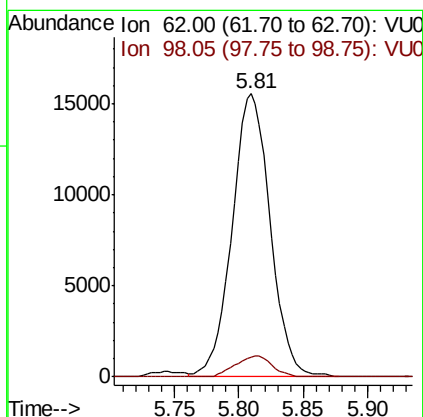
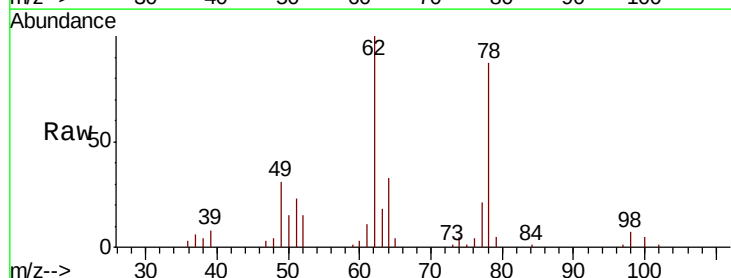
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

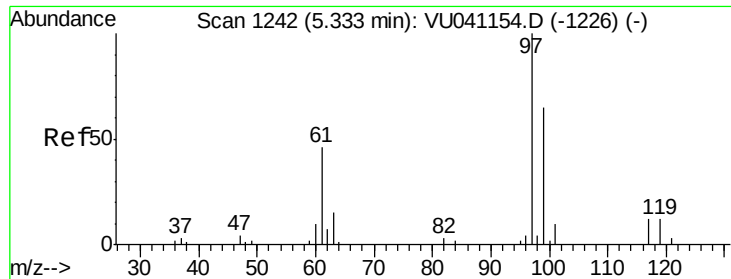
Tot Ion: 83 Resp: 44533
Ion Ratio Lower Upper
83 100
85 67.9 46.1 85.7



#27
1,2-Dichloroethane
Concen: 5.433 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041165.D
Acq: 10 Nov 2020 01:25

Tgt Ion: 62 Resp: 31904
Ion Ratio Lower Upper
62 100
98 7.0 7.6 11.4#

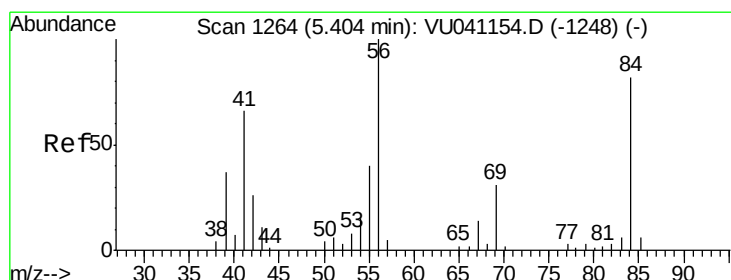
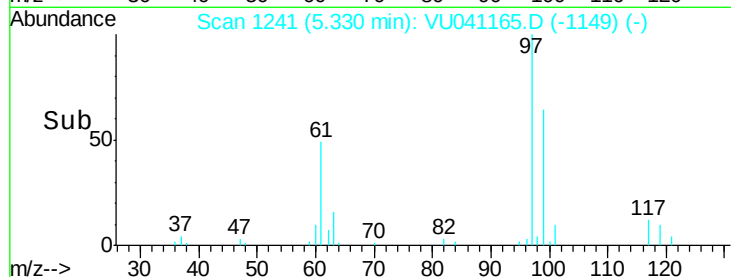
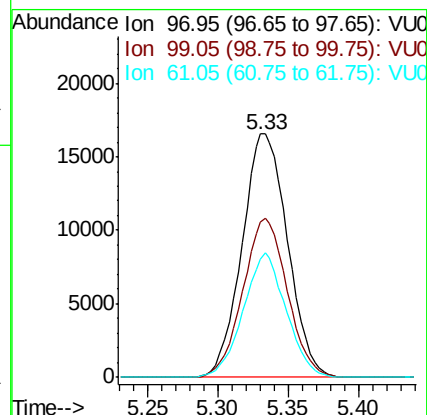
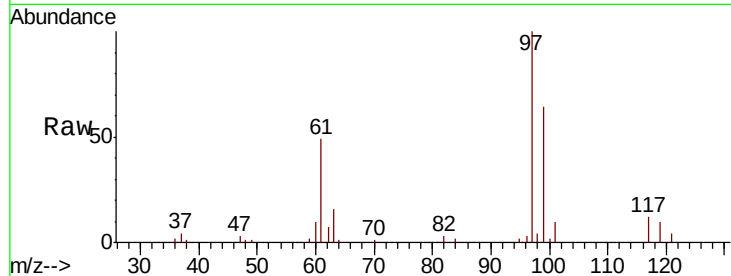




#29
1,1,1-Trichloroethane
Concen: 5.608 ug/L
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU041165.D
Acq: 10 Nov 2020 01:25

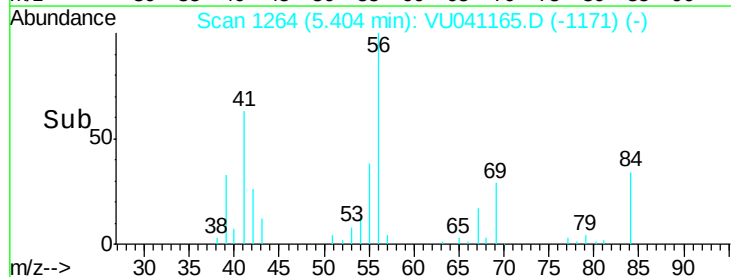
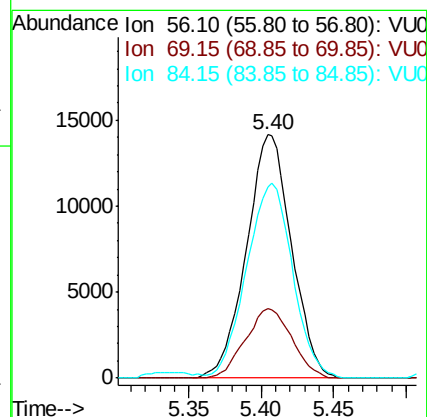
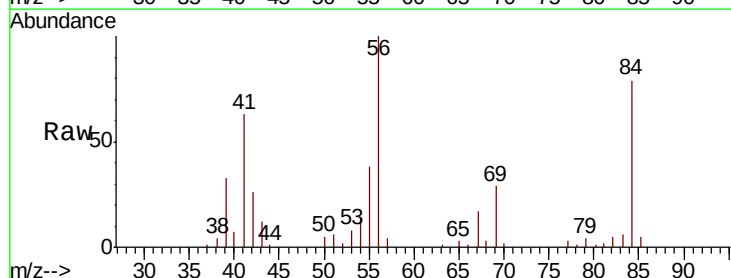
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

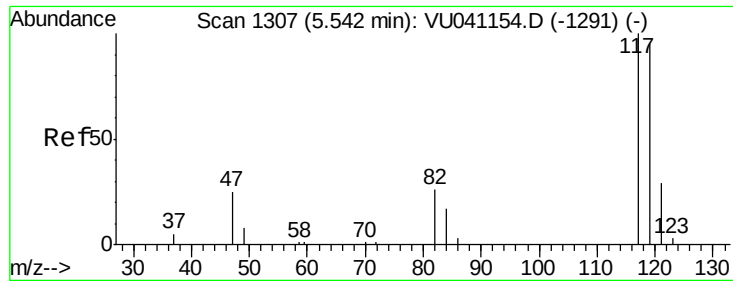
Tot Ion: 97 Resp: 37378
Ion Ratio Lower Upper
97 100
99 63.6 53.4 80.0
61 48.0 41.6 62.4



#30
Cyclohexane
Concen: 4.665 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU041165.D
Acq: 10 Nov 2020 01:25

Tgt Ion: 56 Resp: 30630
Ion Ratio Lower Upper
56 100
69 29.4 22.8 34.2
84 81.9 63.6 95.4





#31

Carbon tetrachloride

Concen: 5.502 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU041165.D

Acq: 10 Nov 2020 01:25

Instrument :

MSVOA_U

ClientSampleId :

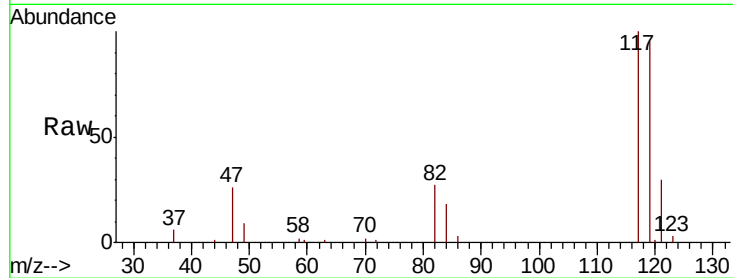
VSTD00523

Tot Ion:117 Resp: 32470

Ion Ratio Lower Upper

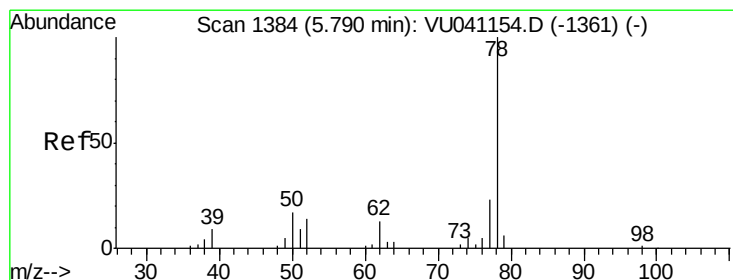
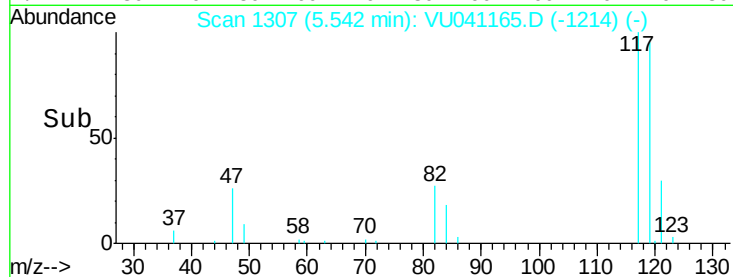
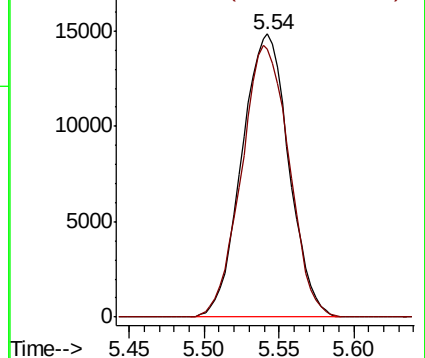
117 100

119 96.9 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.240 ug/L

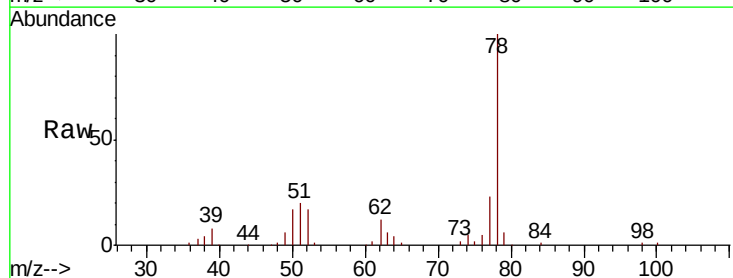
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

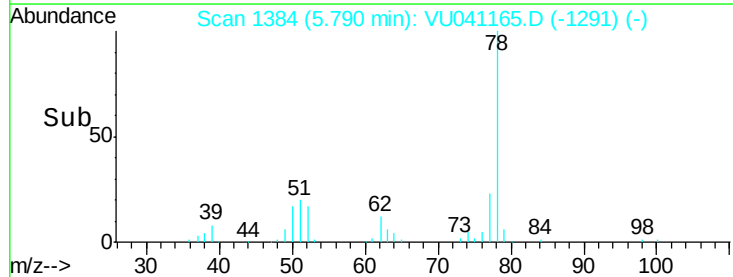
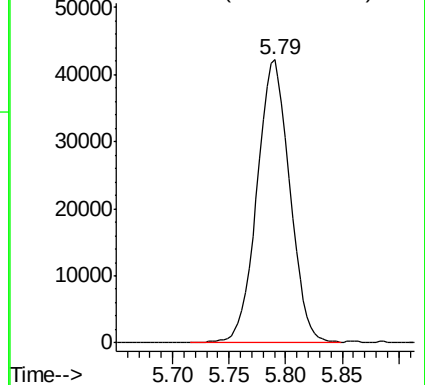
Lab File: VU041165.D

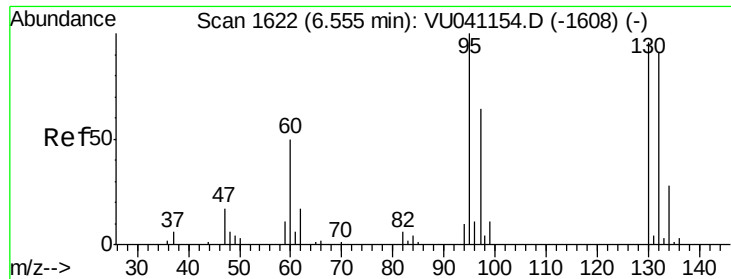
Acq: 10 Nov 2020 01:25

Tgt Ion: 78 Resp: 85319



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.630 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041165.D

Acq: 10 Nov 2020 01:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

Tot Ion: 95 Resp: 23329

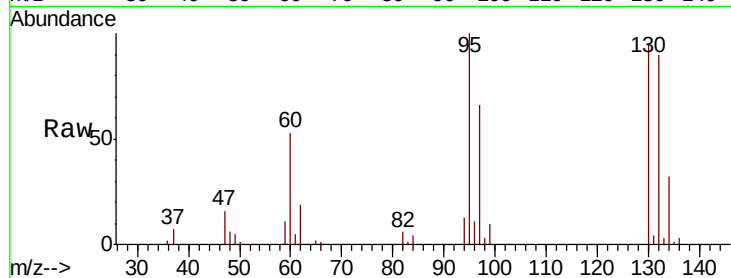
Ion Ratio Lower Upper

95 100

97 65.8 45.6 84.6

132 89.9 64.8 120.4

130 94.8 64.8 120.4

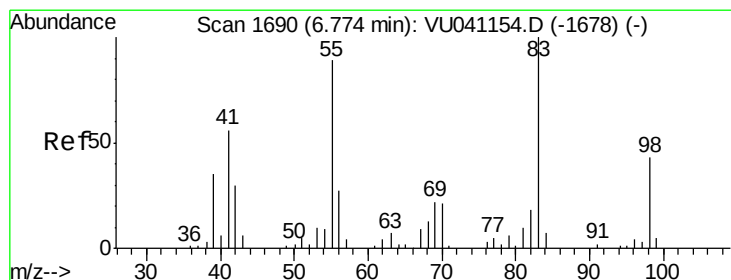
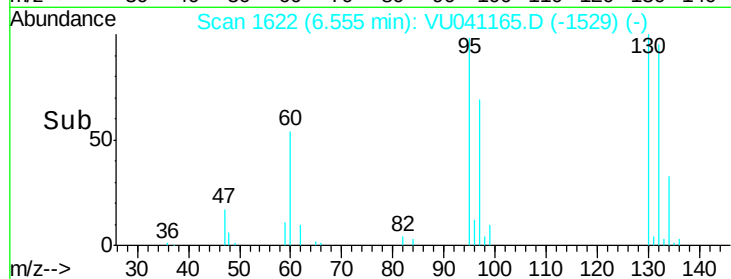
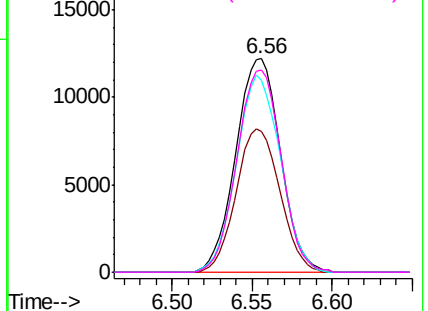


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.749 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU041165.D

Acq: 10 Nov 2020 01:25

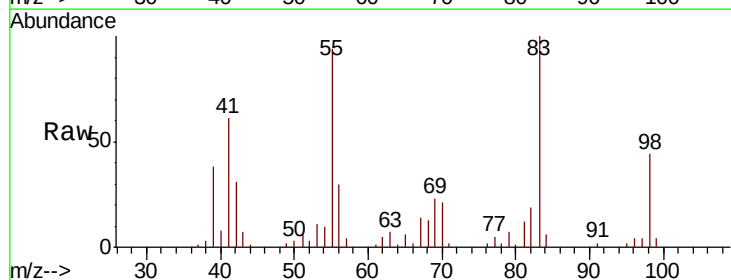
Tgt Ion: 83 Resp: 29356

Ion Ratio Lower Upper

83 100

55 87.8 72.0 108.0

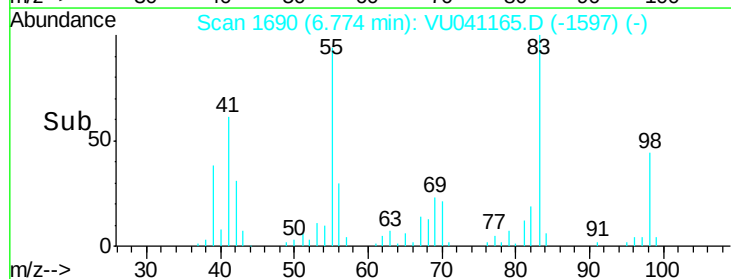
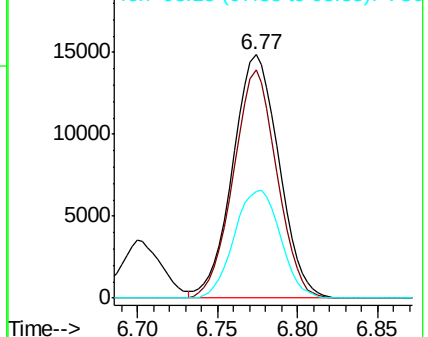
98 44.1 36.6 55.0

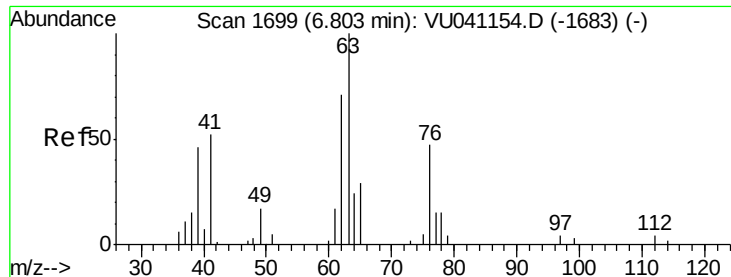


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

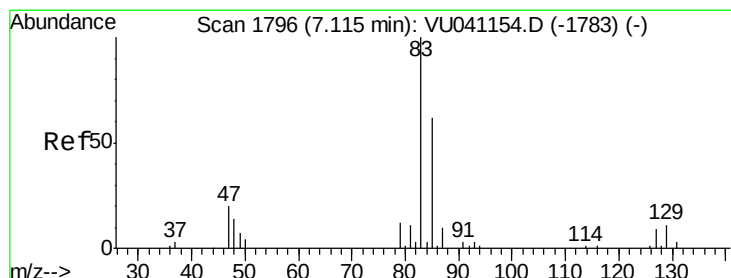
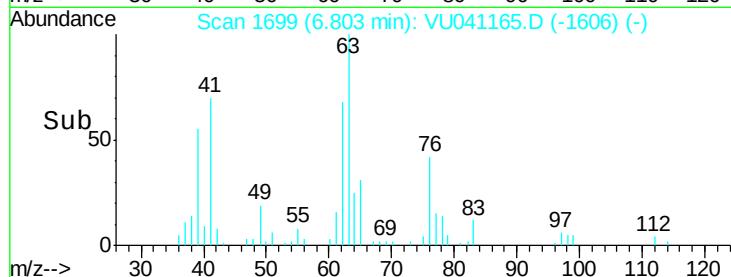
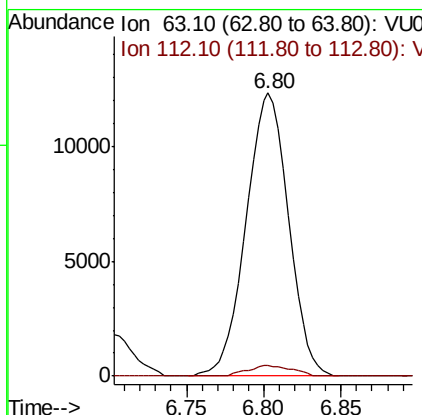
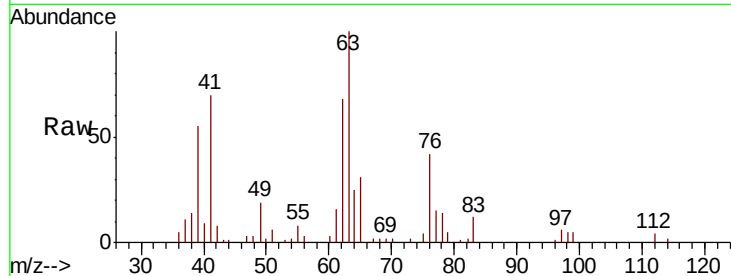




#37
 1,2-Dichloropropane
 Concen: 5.354 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041165.D
 Acq: 10 Nov 2020 01:25

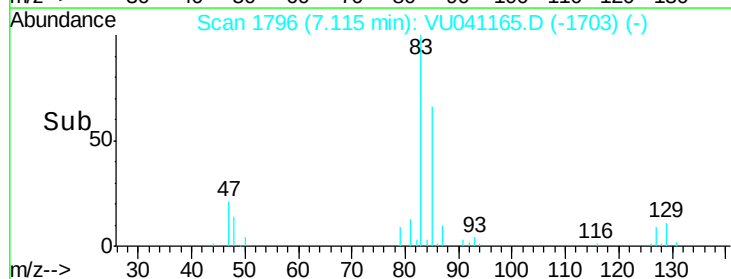
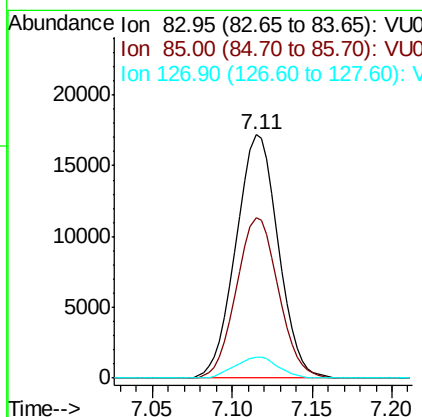
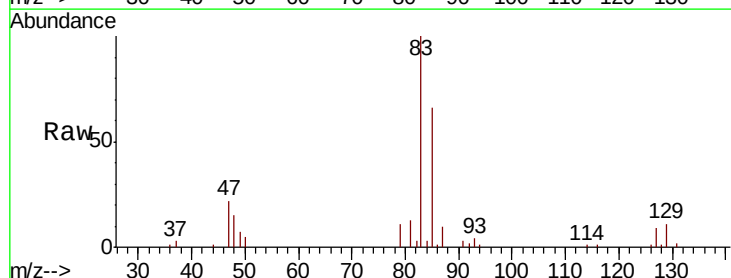
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

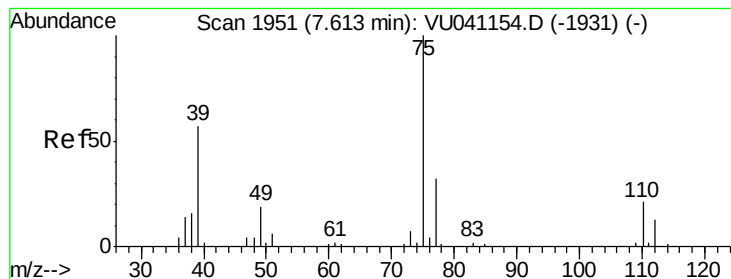
Tot Ion: 63 Resp: 23588
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.430 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041165.D
 Acq: 10 Nov 2020 01:25

Tgt Ion: 83 Resp: 31033
 Ion Ratio Lower Upper
 83 100
 85 65.7 43.3 80.3
 127 8.7 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 5.102 ug/L

RT: 7.61 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VU041165.D

Acq: 10 Nov 2020 01:25

Instrument :

MSVOA_U

ClientSampleId :

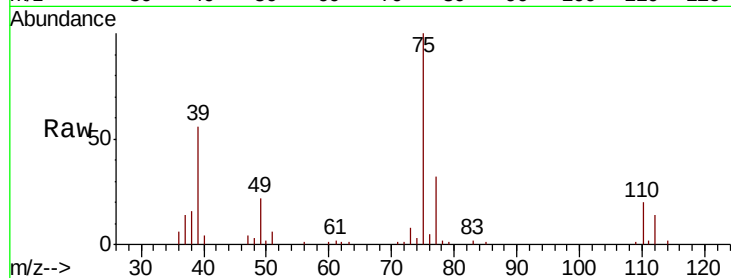
VSTD00523

Tot Ion: 75 Resp: 30948

Ion Ratio Lower Upper

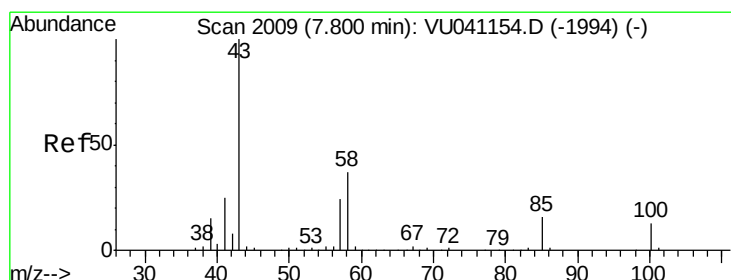
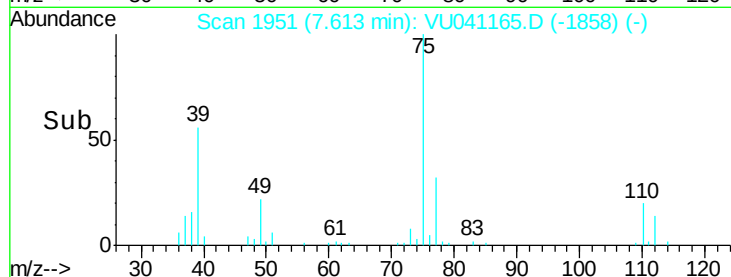
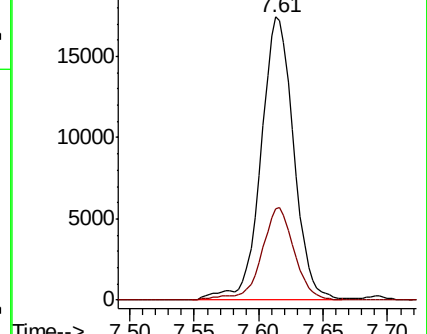
75 100

77 32.3 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#40

4-Methyl-2-pentanone

Concen: 53.033 ug/L

RT: 7.80 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VU041165.D

Acq: 10 Nov 2020 01:25

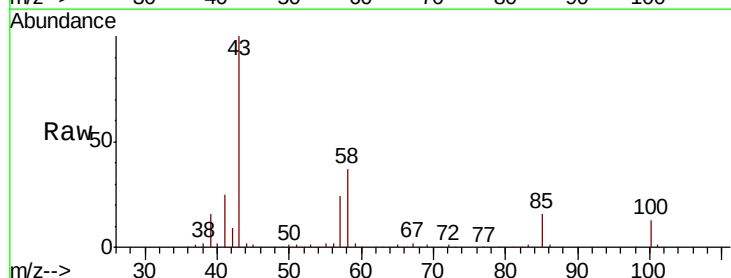
Tgt Ion: 43 Resp: 186299

Ion Ratio Lower Upper

43 100

58 36.5 29.8 44.6

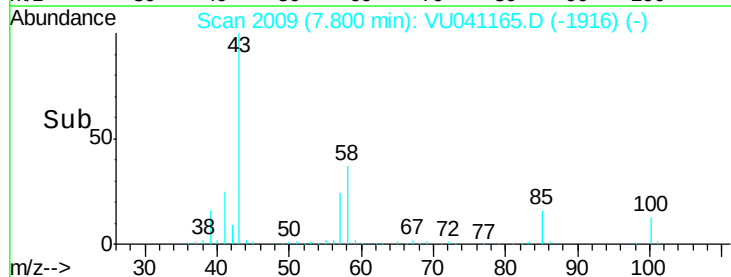
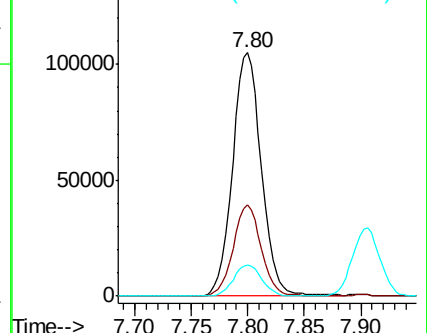
100 12.6 10.5 15.7

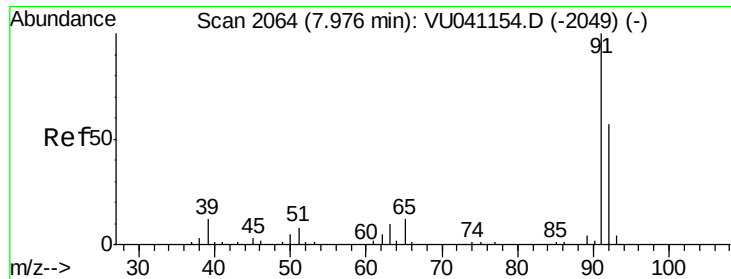


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 5.442 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041165.D

Acq: 10 Nov 2020 01:25

Instrument :

MSVOA_U

ClientSampleId :

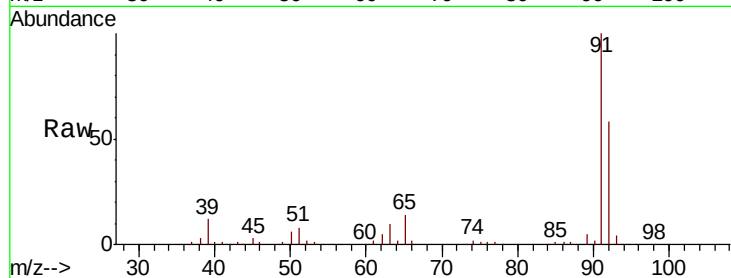
VSTD00523

Tot Ion: 91 Resp: 89845

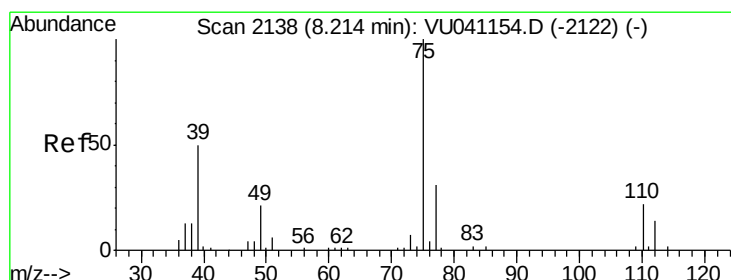
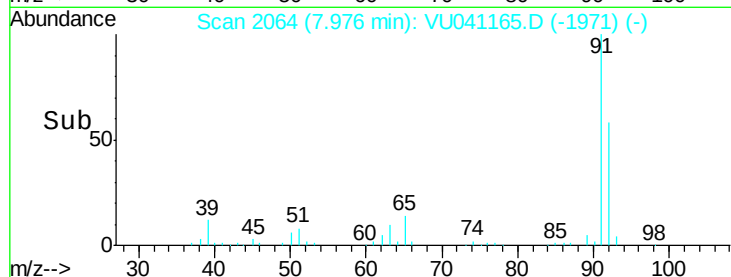
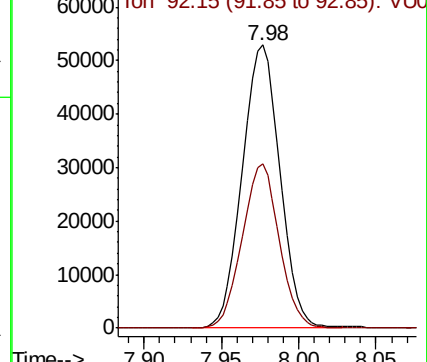
Ion Ratio Lower Upper

91 100

92 57.9 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041165.D (-1971) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.221 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU041165.D

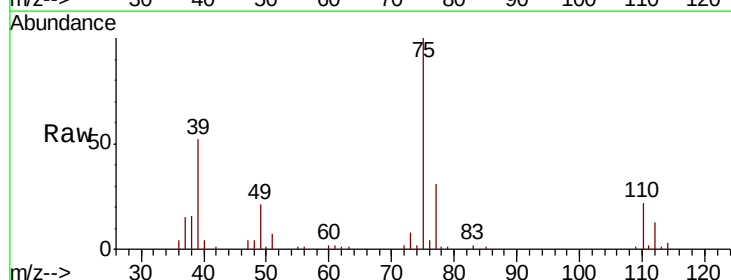
Acq: 10 Nov 2020 01:25

Tgt Ion: 75 Resp: 29637

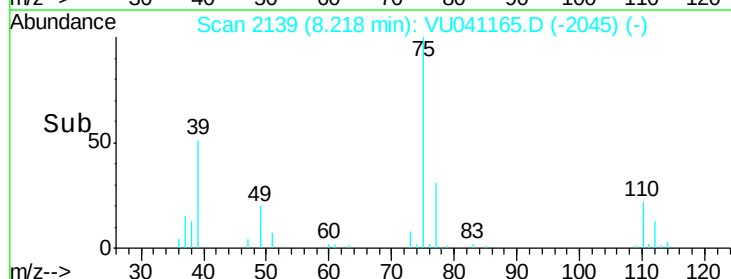
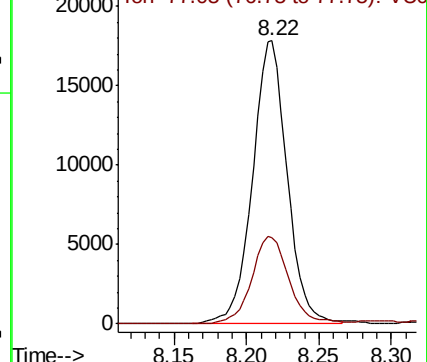
Ion Ratio Lower Upper

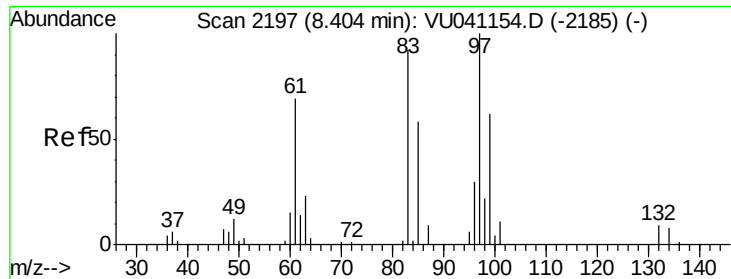
75 100

77 30.7 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU041165.D (-2045) (-)

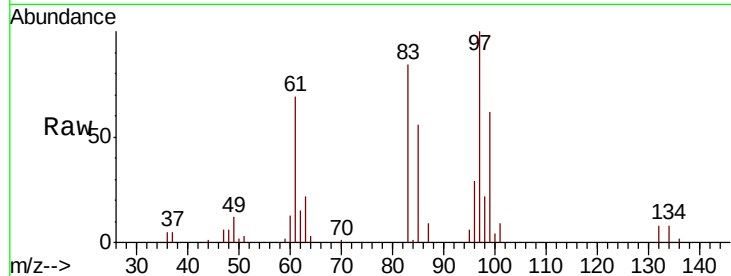




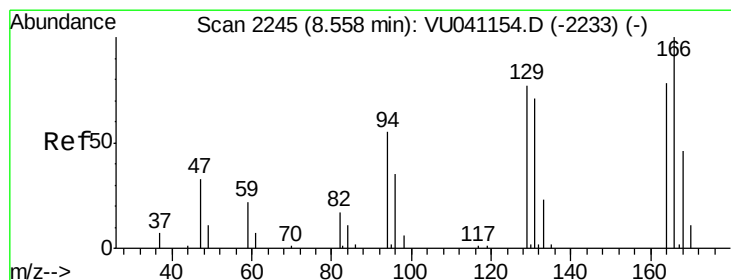
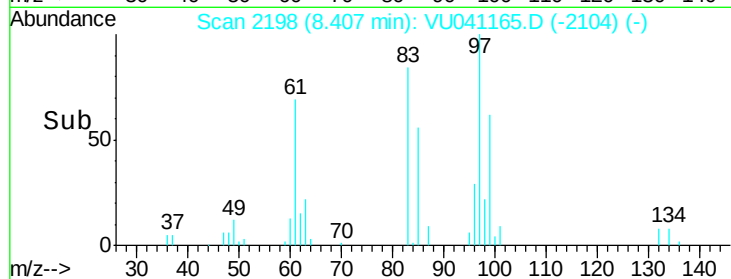
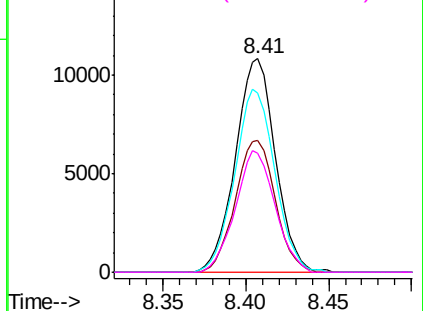
#45
 1,1,2-Trichloroethane
 Concen: 5.549 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU041165.D
 Acq: 10 Nov 2020 01:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Tot Ion:	97	Resp:	18199
Ion	Ratio	Lower	Upper
97	100		
99	61.8	45.8	85.2
83	83.9	67.9	126.1
85	55.5	42.8	79.6

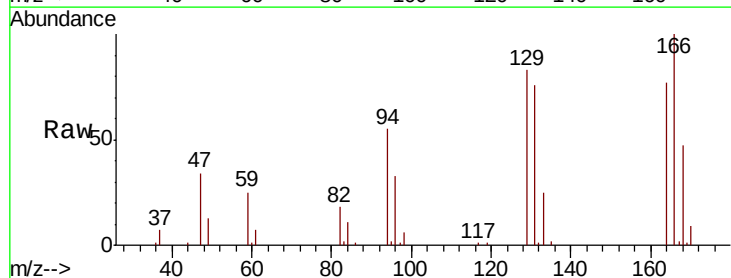


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

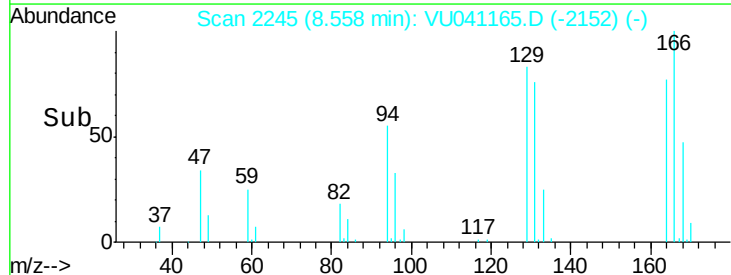
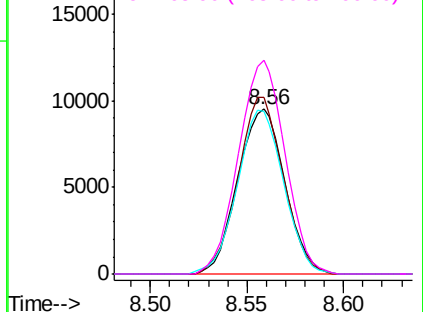


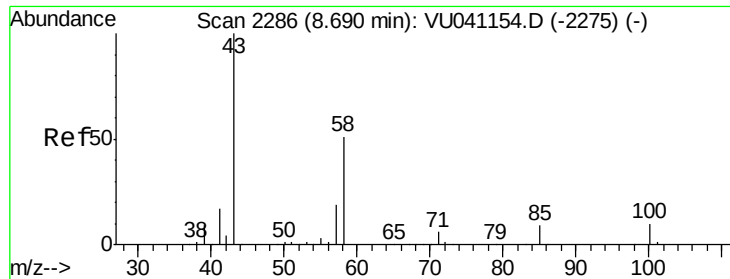
#47
 Tetrachloroethene
 Concen: 5.322 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU041165.D
 Acq: 10 Nov 2020 01:25

Tgt Ion:	164	Resp:	16215
Ion	Ratio	Lower	Upper
164	100		
129	107.2	70.3	130.7
131	99.0	70.8	131.4
166	129.5	92.0	170.8



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: 53.215 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU041165.D

Acq: 10 Nov 2020 01:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Tot Ion: 43 Resp: 140757

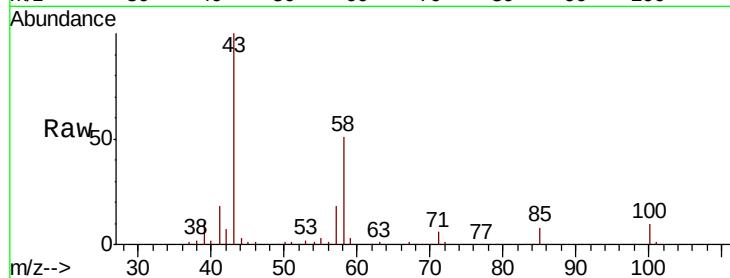
Ion Ratio Lower Upper

43 100

58 50.7 41.4 62.2

57 17.9 14.6 21.8

100 9.9 8.3 12.5

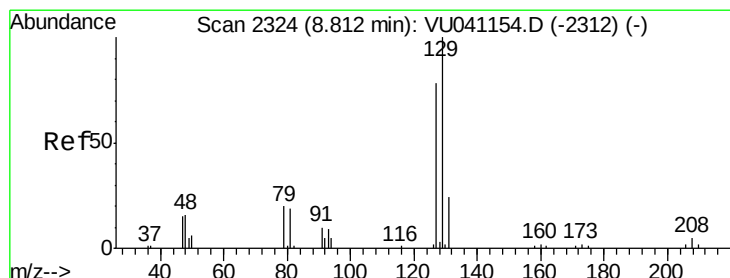
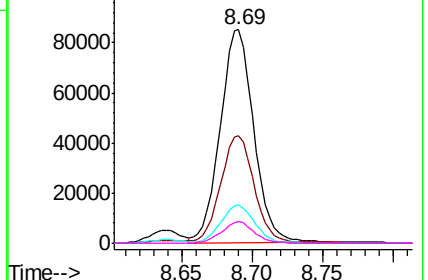
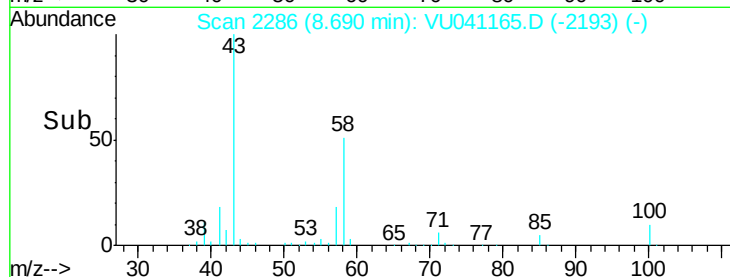


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0



#49

Dibromochloromethane

Concen: 5.673 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU041165.D

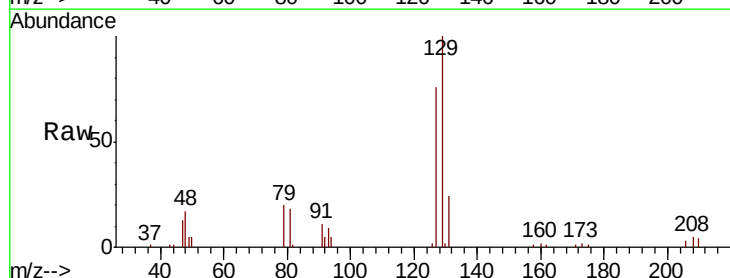
Acq: 10 Nov 2020 01:25

Tgt Ion: 129 Resp: 21608

Ion Ratio Lower Upper

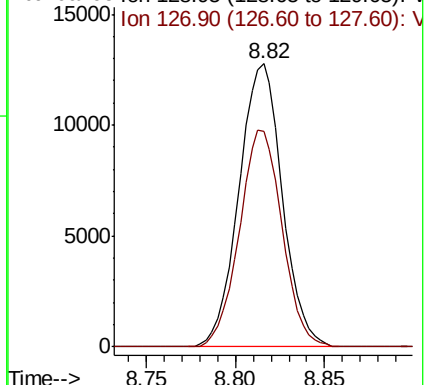
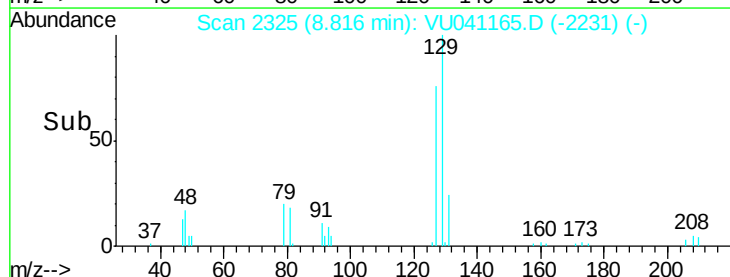
129 100

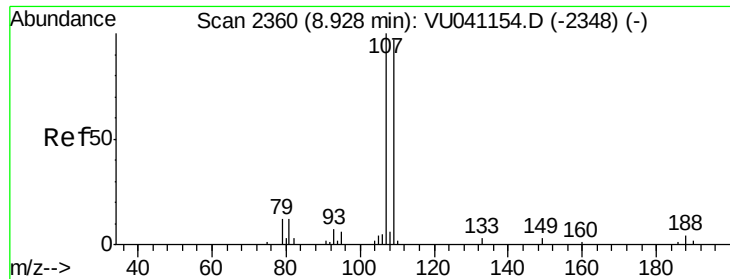
127 75.9 53.4 99.2



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

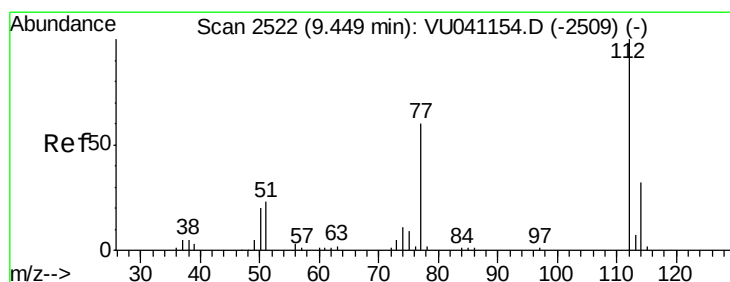
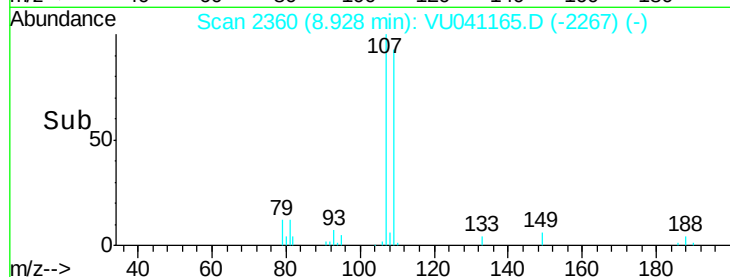
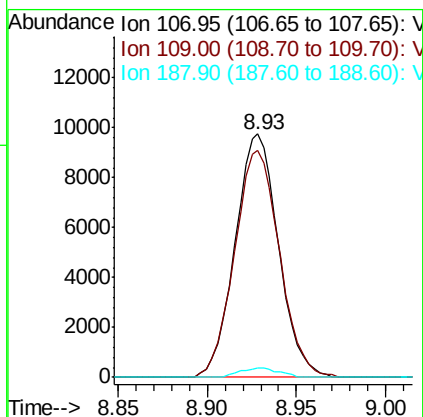
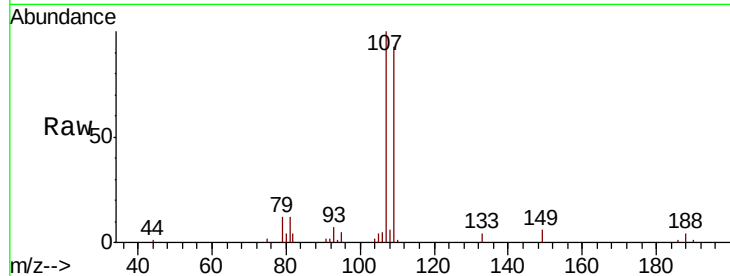




#50
 1,2-Dibromoethane
 Concen: 5.281 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041165.D
 Acq: 10 Nov 2020 01:25

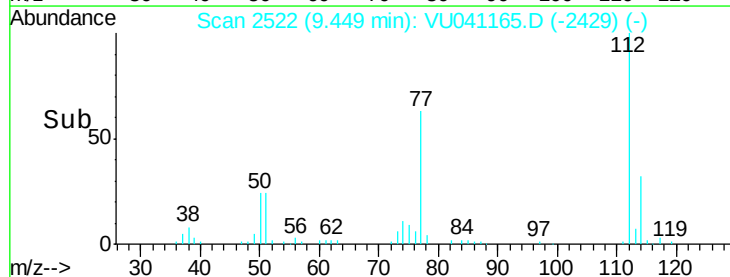
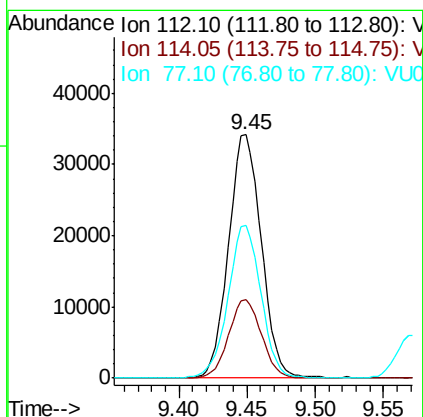
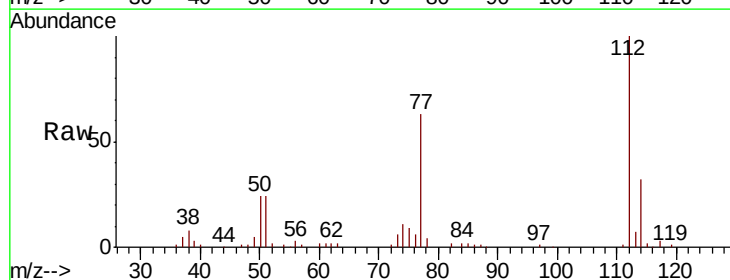
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

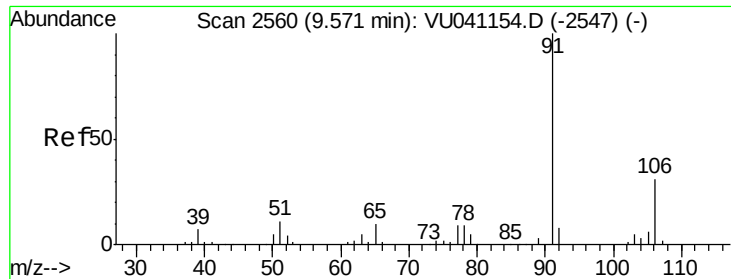
Tot Ion:107 Resp: 16505
 Ion Ratio Lower Upper
 107 100
 109 93.3 65.6 121.8
 188 3.9 2.9 4.3



#51
 Chlorobenzene
 Concen: 5.465 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041165.D
 Acq: 10 Nov 2020 01:25

Tgt Ion:112 Resp: 57221
 Ion Ratio Lower Upper
 112 100
 114 32.4 22.4 41.6
 77 62.8 51.2 76.8





#52

Ethylbenzene

Concen: 5.379 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041165.D

Acq: 10 Nov 2020 01:25

Instrument :

MSVOA_U

ClientSampleId :

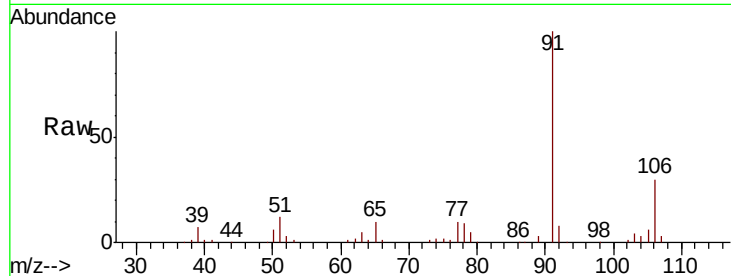
VSTD00523

Tot Ion: 91 Resp: 93475

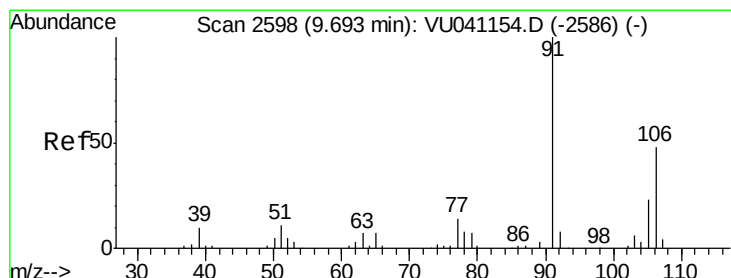
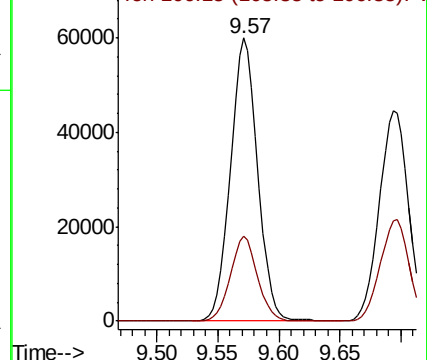
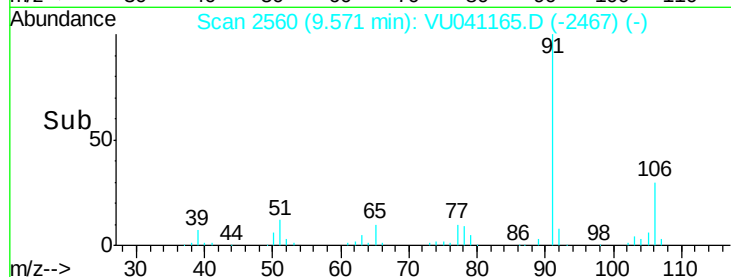
Ion Ratio Lower Upper

91 100

106 30.2 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041165.D (-2467) (-)



#53

m,p-Xylene

Concen: 5.521 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU041165.D

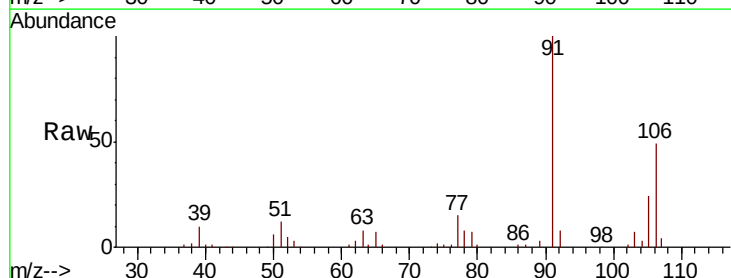
Acq: 10 Nov 2020 01:25

Tgt Ion: 106 Resp: 34993

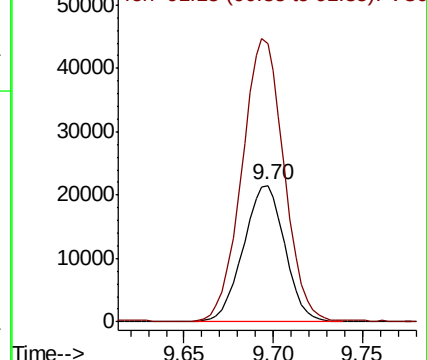
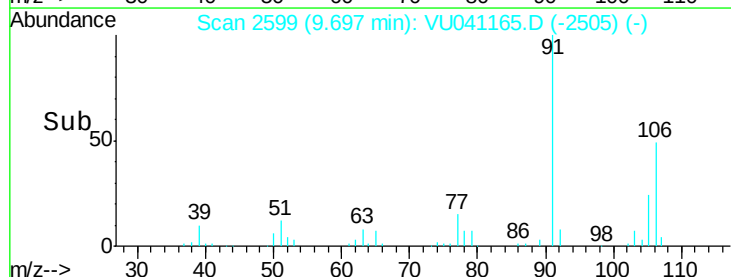
Ion Ratio Lower Upper

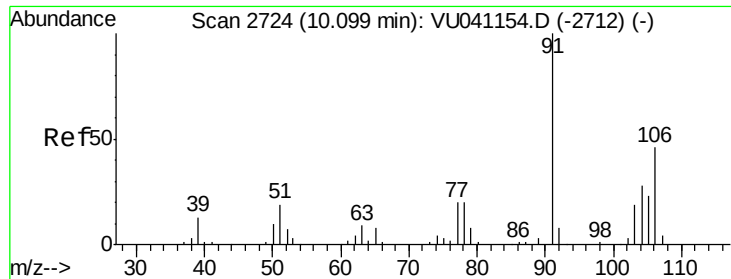
106 100

91 204.2 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041165.D (-2505) (-)

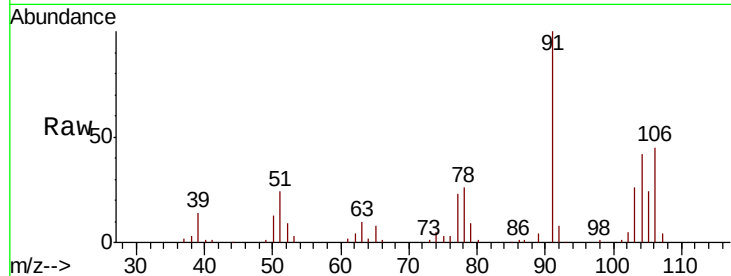




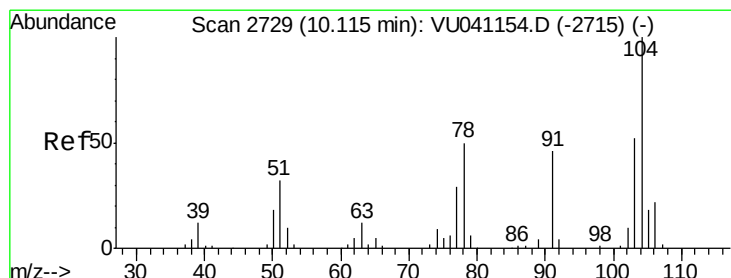
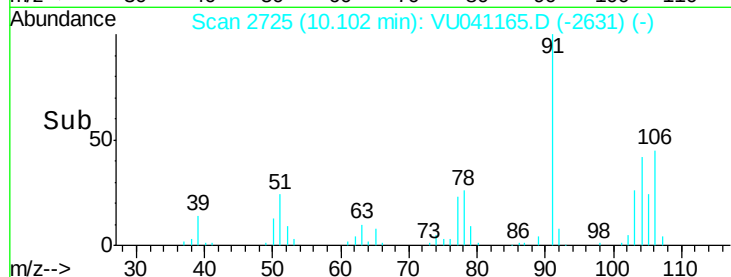
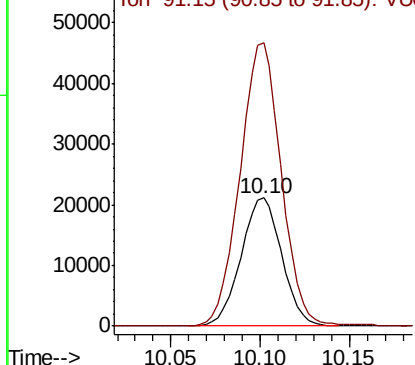
#54
o-Xylene
Concen: 5.725 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041165.D
Acq: 10 Nov 2020 01:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Tot Ion:106 Resp: 33797
Ion Ratio Lower Upper
106 100
91 220.9 154.3 286.5

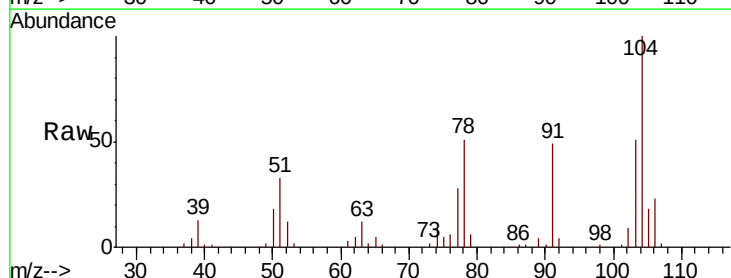


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

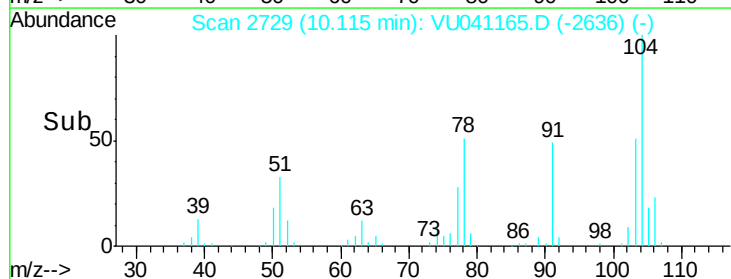
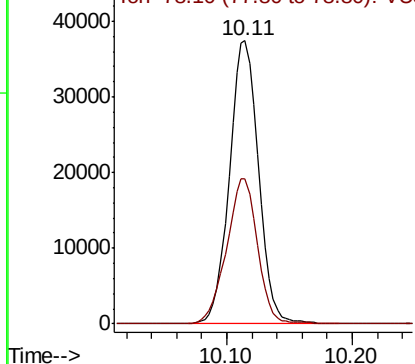


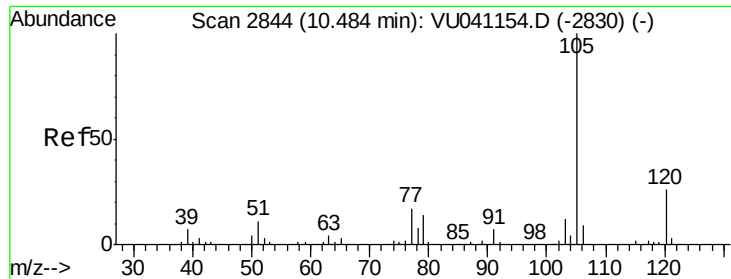
#55
Styrene
Concen: 5.736 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041165.D
Acq: 10 Nov 2020 01:25

Tgt Ion:104 Resp: 60330
Ion Ratio Lower Upper
104 100
78 51.1 35.5 65.9



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





#56

Isopropylbenzene

Concen: 5.831 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041165.D

Acq: 10 Nov 2020 01:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

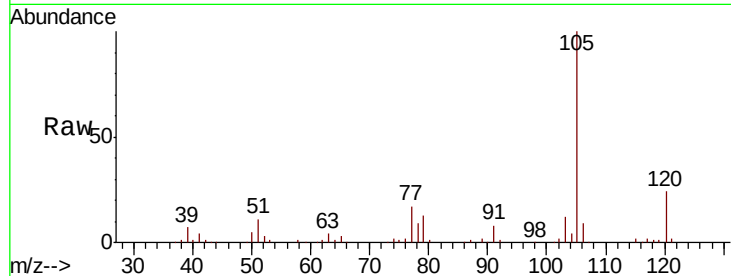
Tot Ion:105 Resp: 92563

Ion Ratio Lower Upper

105 100

120 24.6 20.7 31.1

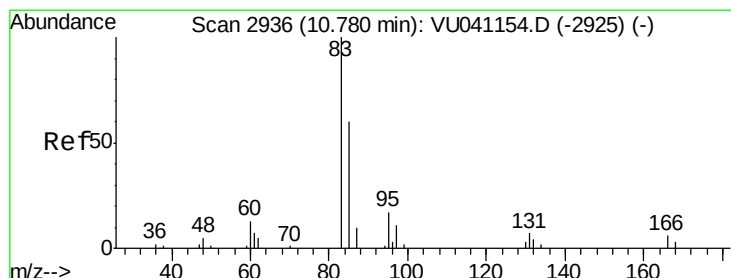
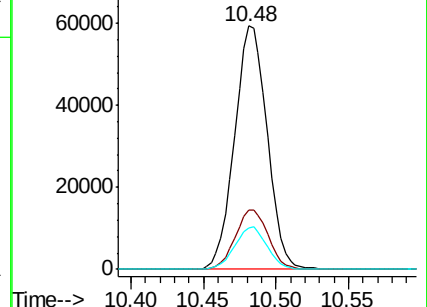
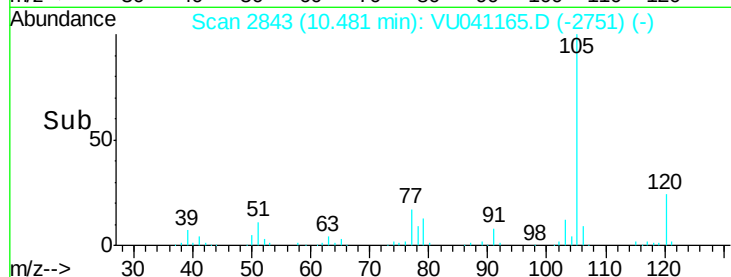
77 17.2 13.8 20.6



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: 5.340 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041165.D

Acq: 10 Nov 2020 01:25

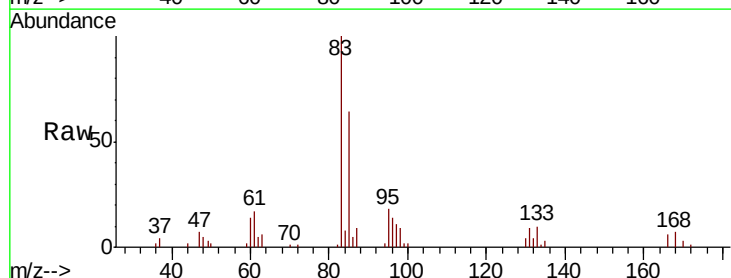
Tgt Ion: 83 Resp: 23002

Ion Ratio Lower Upper

83 100

85 64.3 44.4 82.4

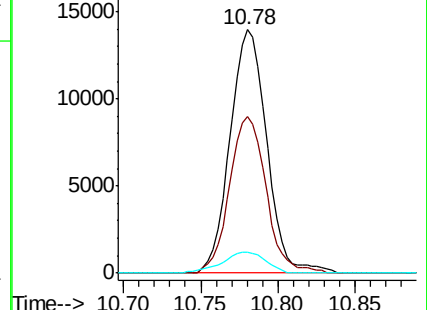
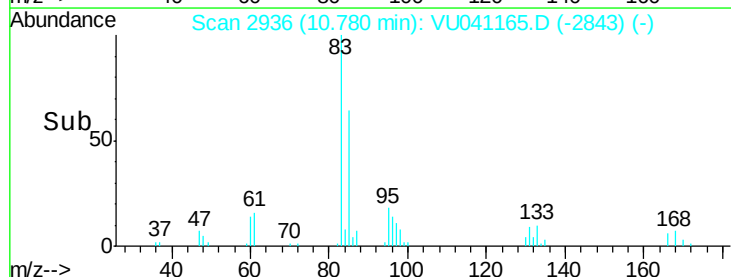
131 8.5 7.7 11.5

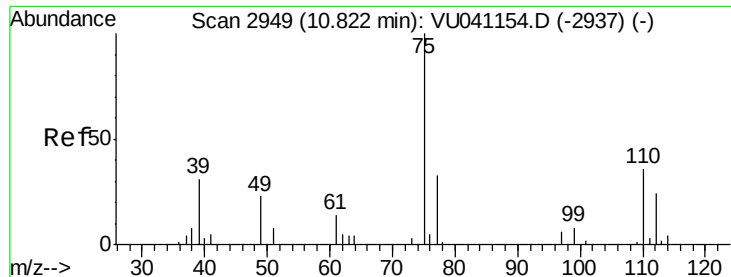


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.208 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041165.D

Acq: 10 Nov 2020 01:25

Instrument :

MSVOA_U

ClientSampleId :

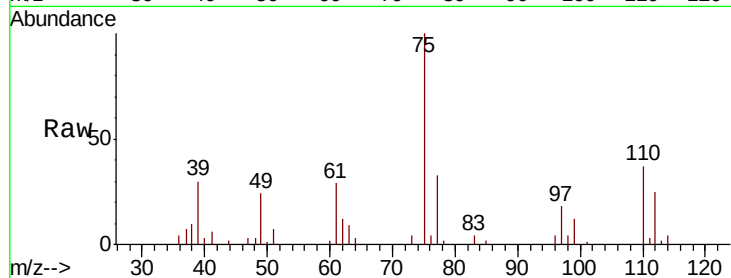
VSTD00523

Tot Ion: 75 Resp: 17101

Ion Ratio Lower Upper

75 100

77 34.7 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU041165.D (-2327) (-)

Ion 77.00 (76.70 to 77.70): VU041165.D (-2327) (-)

10.82

12000

10000

8000

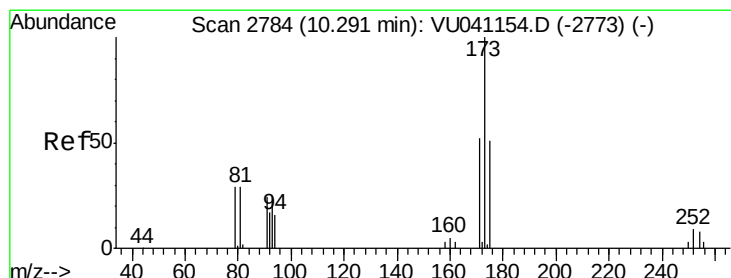
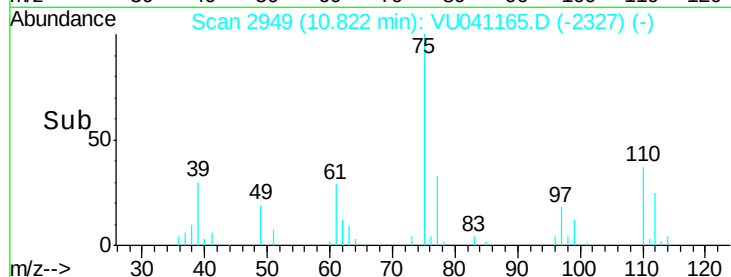
6000

4000

2000

0

Time--> 10.75 10.80 10.85



#61

Bromoform

Concen: 5.666 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041165.D

Acq: 10 Nov 2020 01:25

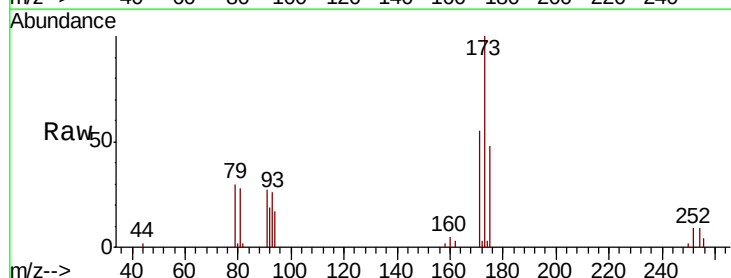
Tgt Ion: 173 Resp: 12334

Ion Ratio Lower Upper

173 100

175 49.3 37.6 56.4

254 8.4 6.6 9.8



Abundance Ion 172.90 (172.60 to 173.60): VU041165.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VU041165.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VU041165.D (-2691) (-)

10.29

10000

8000

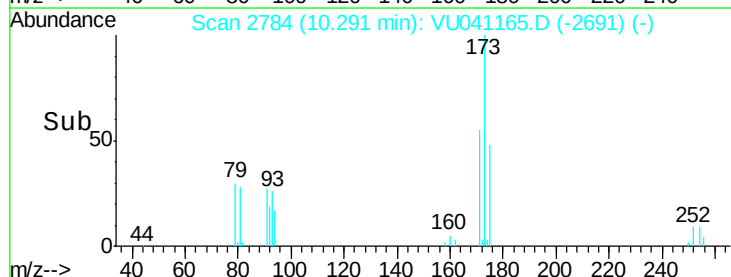
6000

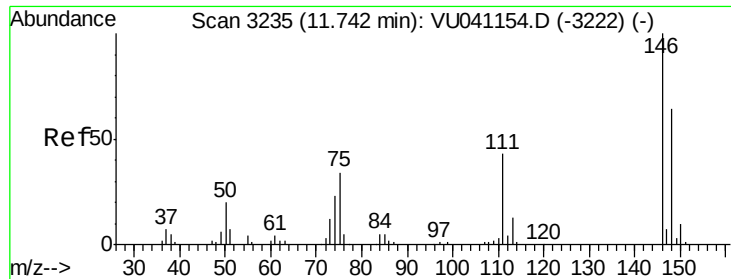
4000

2000

0

Time--> 10.25 10.30 10.35

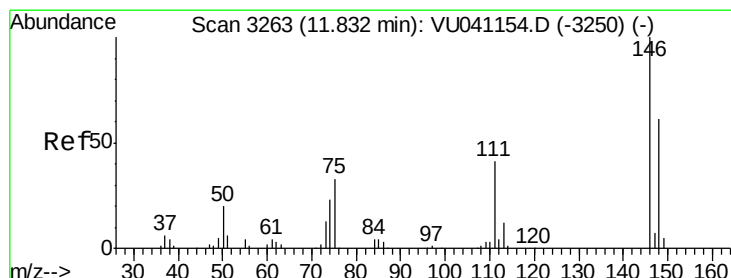
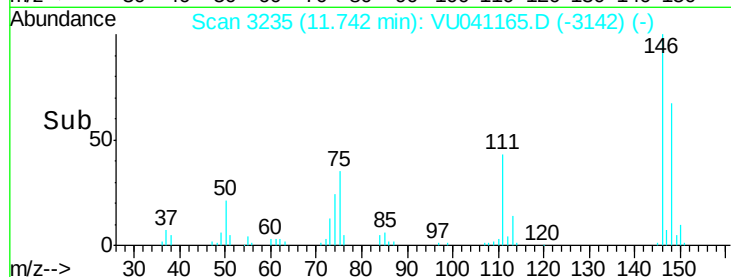
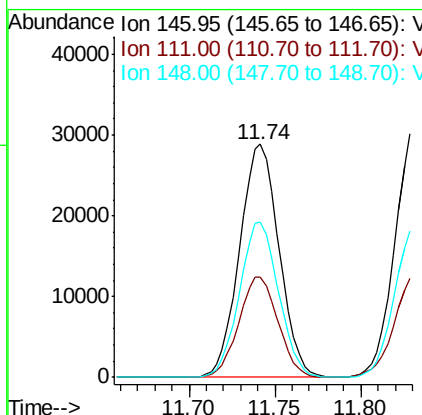
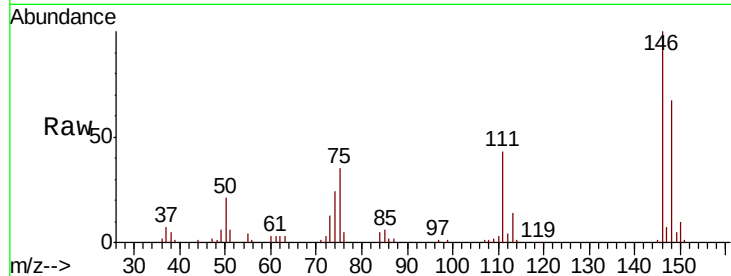




#62
 1,3-Dichlorobenzene
 Concen: 5.632 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041165.D
 Acq: 10 Nov 2020 01:25

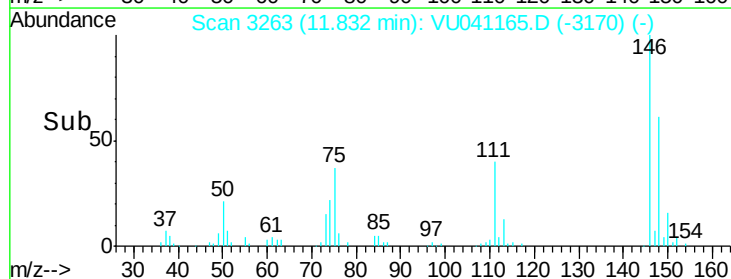
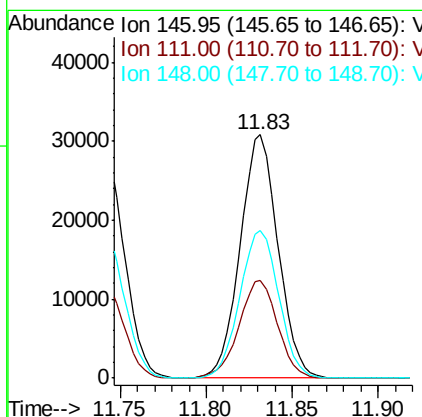
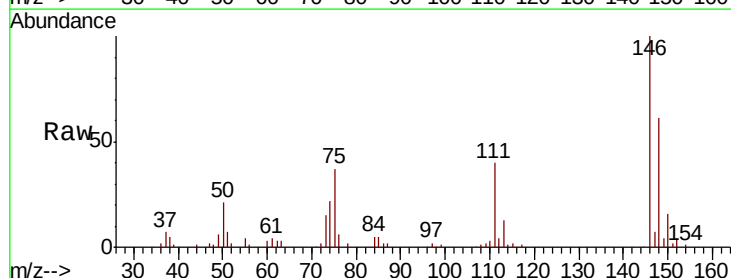
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

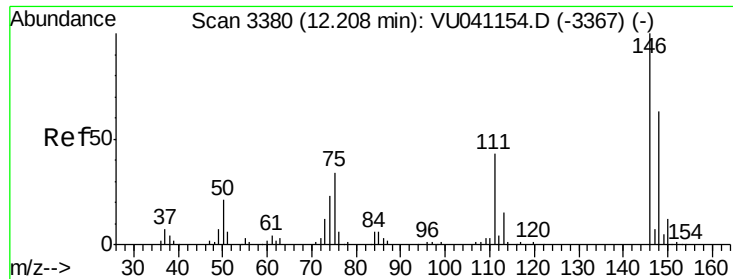
Tot Ion:146 Resp: 45922
 Ion Ratio Lower Upper
 146 100
 111 42.8 30.9 57.3
 148 66.7 45.8 85.2



#63
 1,4-Dichlorobenzene
 Concen: 5.580 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041165.D
 Acq: 10 Nov 2020 01:25

Tgt Ion:146 Resp: 47120
 Ion Ratio Lower Upper
 146 100
 111 39.9 28.3 52.7
 148 60.7 44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 5.635 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU041165.D

Acq: 10 Nov 2020 01:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

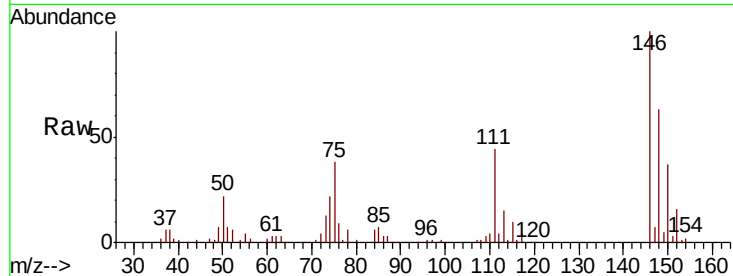
Tot Ion:146 Resp: 45343

Ion Ratio Lower Upper

146 100

111 43.8 35.0 52.6

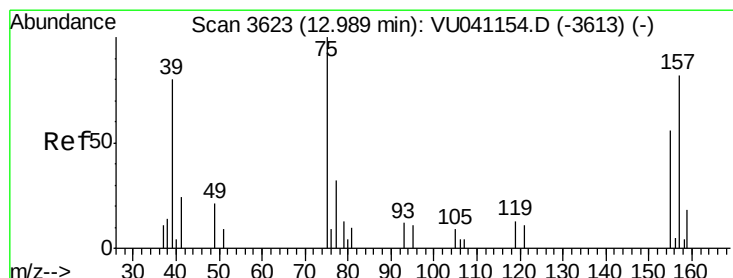
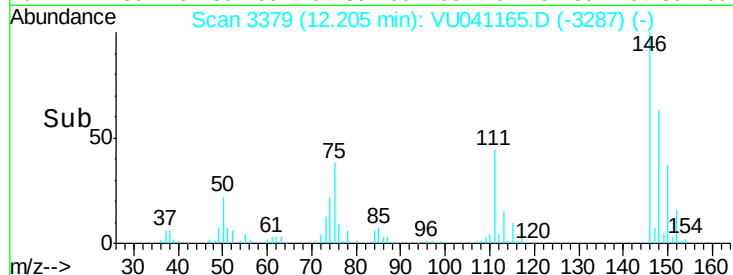
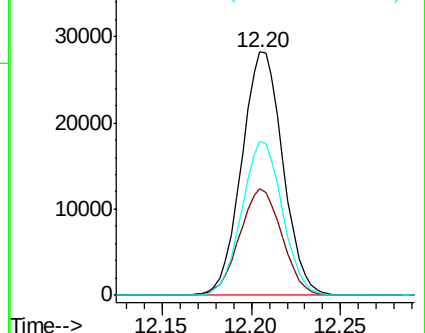
148 63.2 52.0 78.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.388 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VU041165.D

Acq: 10 Nov 2020 01:25

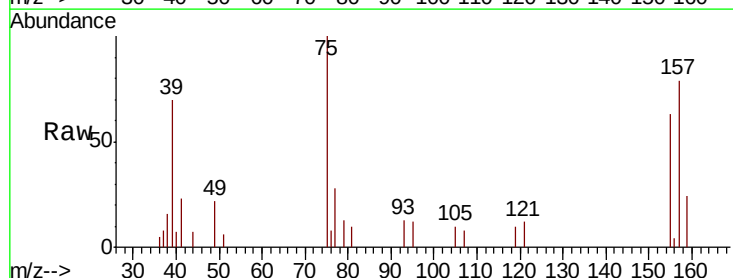
Tgt Ion: 75 Resp: 4249

Ion Ratio Lower Upper

75 100

155 63.4 61.4 92.2

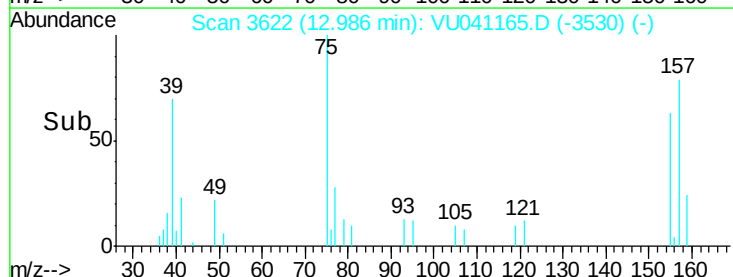
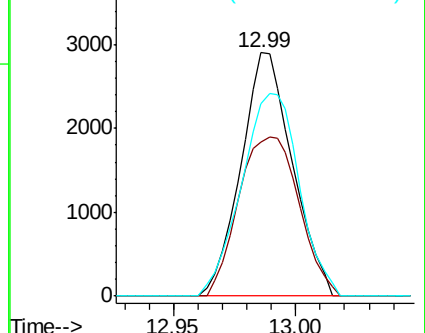
157 78.9 74.2 111.4

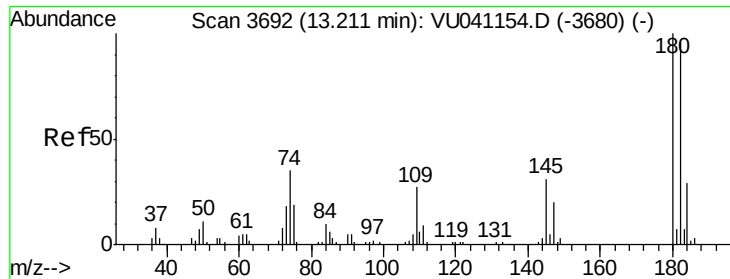


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

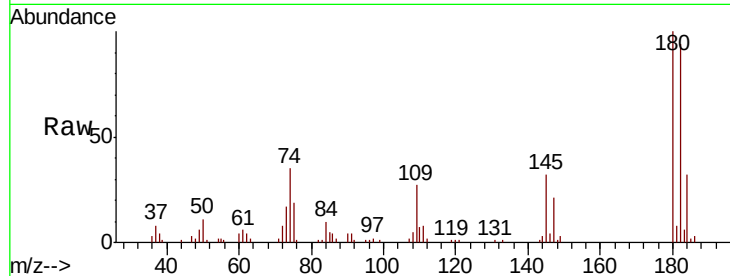




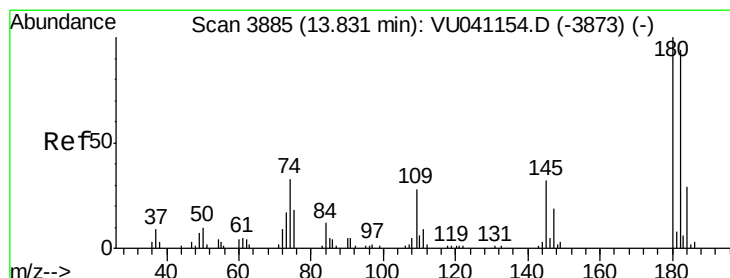
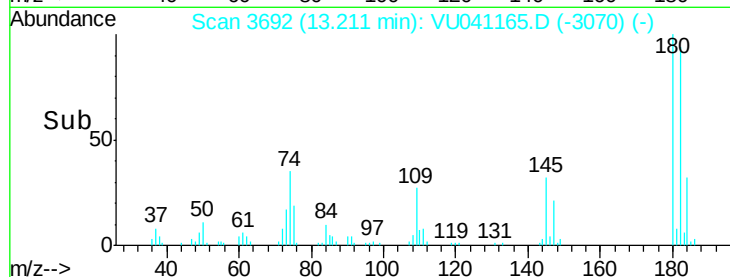
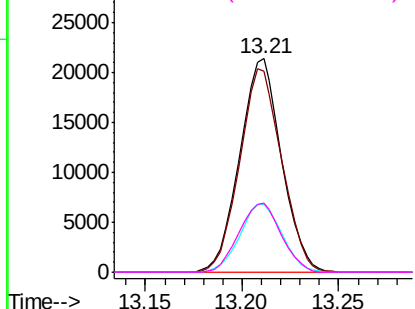
#67
 1,3,5-Trichlorobenzene
 Concen: 5.631 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041165.D
 Acq: 10 Nov 2020 01:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Tot Ion:180 Resp: 32114
 Ion Ratio Lower Upper
 180 100
 182 95.8 75.7 113.5
 184 31.9 23.7 35.5
 145 32.7 26.1 39.1

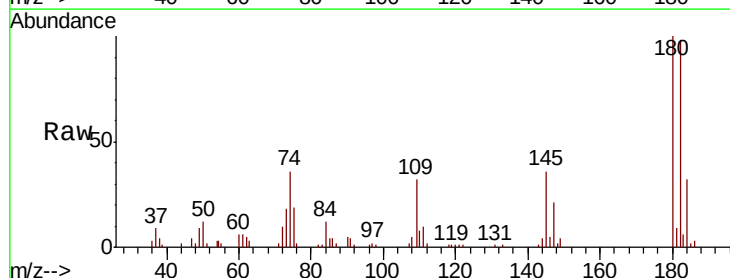


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

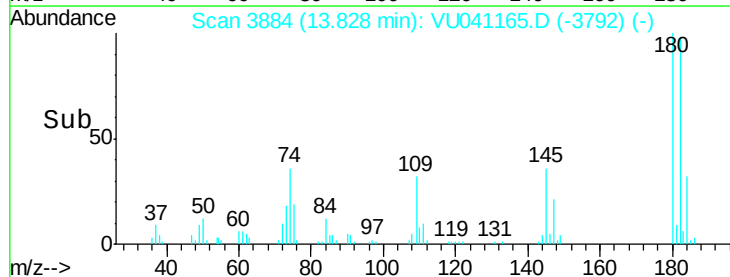
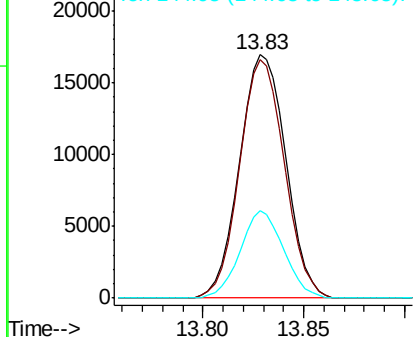


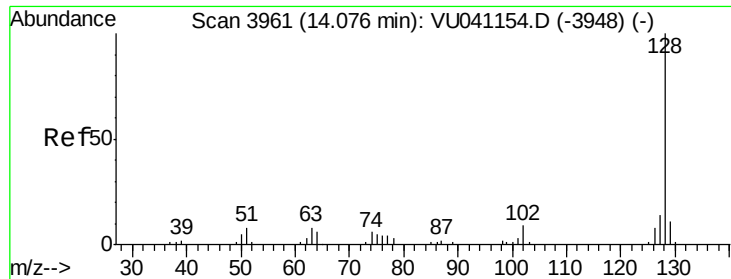
#68
 1,2,4-trichlorobenzene
 Concen: 5.776 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041165.D
 Acq: 10 Nov 2020 01:25

Tgt Ion:180 Resp: 27286
 Ion Ratio Lower Upper
 180 100
 182 94.8 73.5 110.3
 145 33.6 26.6 40.0



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: 5.626 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041165.D

Acq: 10 Nov 2020 01:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

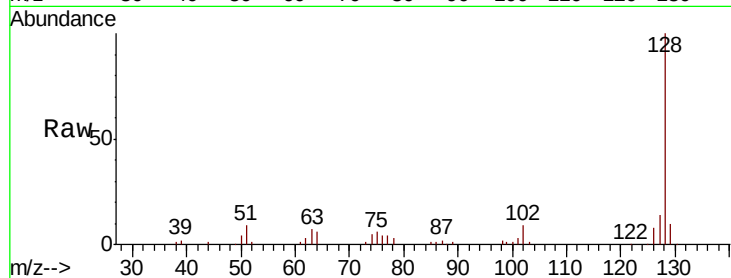
Tot Ion:128 Resp: 47525

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

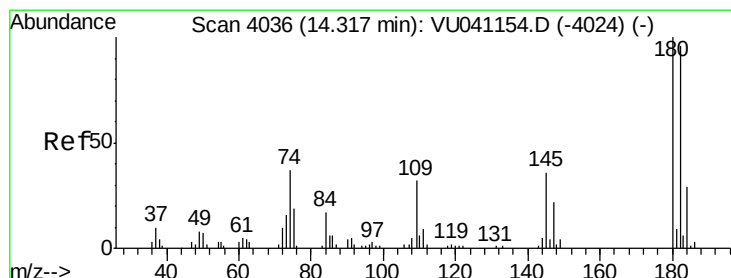
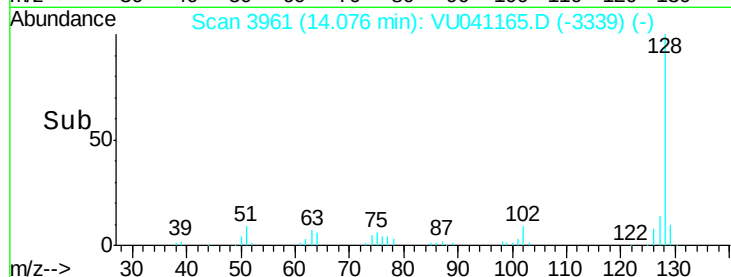
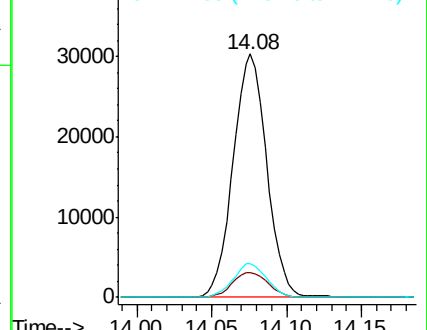
127 13.9 10.8 16.2



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: 6.015 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041165.D

Acq: 10 Nov 2020 01:25

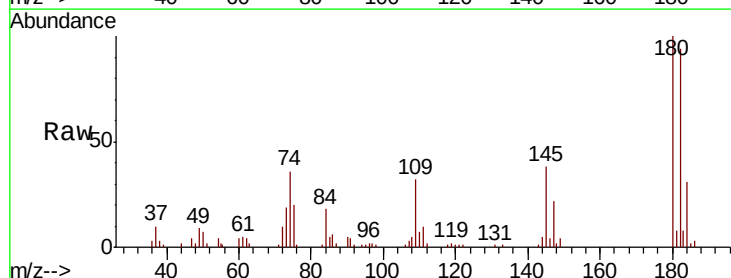
Tgt Ion:180 Resp: 26188

Ion Ratio Lower Upper

180 100

182 97.3 77.7 116.5

145 36.5 29.4 44.0



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

