

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041960.D
 Acq On : 12 Jan 2021 07:23
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Quant Time: Jan 12 08:01:18 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 05:50:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	129392	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	124814	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	56869	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	52405	4.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.00%
7) Chloroethane-d5	1.92	69	47974	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.58	63	105606	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.20%
20) 2-Butanone-d5	4.66	46	188934	62.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.68%
24) Chloroform-d	5.08	84	99664	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	5.72	65	58987	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.60%
32) Benzene-d6	5.74	84	203439	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.20%
36) 1,2-Dichloropropane-d6	6.70	67	61037	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.90	98	161968	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	8.19	79	24383	5.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.80%
46) 2-Hexanone-d5	8.64	63	158575	64.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	129.64%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	58780	5.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	53878	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	62325	4.980	ug/L	98
3) Chloromethane	1.52	50	74542	5.474	ug/L	98
5) Vinyl chloride	1.61	62	76492	5.175	ug/L	98
6) Bromomethane	1.86	94	43708	4.890	ug/L	98
8) Chloroethane	1.94	64	45822	5.075	ug/L	99
9) Trichlorofluoromethane	2.15	101	99672	5.226	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	53345	5.140	ug/L	96
12) 1,1-Dichloroethene	2.59	96	51412	5.089	ug/L	92
13) Acetone	2.67	43	114579	58.211	ug/L #	41
14) Carbon disulfide	2.80	76	168479	5.345	ug/L	99
15) Methyl Acetate	2.97	43	26936	6.023	ug/L	98
16) Methylene chloride	3.06	84	80682	6.355	ug/L	97
17) Methyl tert-butyl Ether	3.38	73	134389	5.547	ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	50680	5.167	ug/L	100
19) 1,1-Dichloroethane	3.89	63	101310	5.504	ug/L	99
21) 2-Butanone	4.74	43	199618	65.354	ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	54969	5.248	ug/L	92

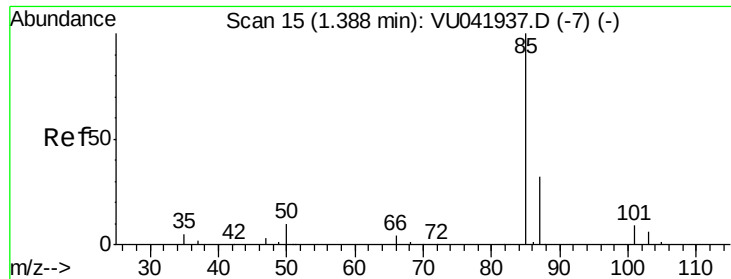
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 05:50:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	24041	4.919	ug/L	92
25) Chloroform	5.11	83	102215	5.328	ug/L	98
27) 1,2-Dichloroethane	5.81	62	71997	5.855	ug/L	96
29) 1,1,1-Trichloroethane	5.33	97	85698	5.261	ug/L	98
30) Cyclohexane	5.40	56	88368	5.791	ug/L	93
31) Carbon tetrachloride	5.54	117	72648	5.161	ug/L	97
33) Benzene	5.79	78	234825	5.837	ug/L	100
34) Trichloroethene	6.55	95	54943	5.203	ug/L	94
35) Methylcyclohexane	6.77	83	80556	5.190	ug/L	96
37) 1,2-Dichloropropane	6.80	63	57065	5.689	ug/L	98
38) Bromodichloromethane	7.11	83	71682	5.340	ug/L	94
39) cis-1,3-Dichloropropene	7.61	75	80811	5.456	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	420241	65.985	ug/L	96
42) Toluene	7.97	91	217818	5.241	ug/L	97
44) trans-1,3-Dichloropropene	8.21	75	71004	5.419	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	45643	5.935	ug/L	98
47) Tetrachloroethene	8.56	164	37076	5.046	ug/L	97
48) 2-Hexanone	8.69	43	327148	69.685	ug/L	98
49) Dibromochloromethane	8.81	129	47629	5.089	ug/L	97
50) 1,2-Dibromoethane	8.93	107	40720	5.616	ug/L #	97
51) Chlorobenzene	9.45	112	144494	5.523	ug/L	96
52) Ethylbenzene	9.57	91	243990	5.573	ug/L	99
53) m,p-Xylene	9.69	106	90247	5.568	ug/L	97
54) o-Xylene	10.10	106	87828	5.607	ug/L	94
55) Styrene	10.11	104	155909	5.726	ug/L	100
56) Isopropylbenzene	10.48	105	228773	5.439	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	58777	5.848	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	44616	6.089	ug/L	99
61) Bromoform	10.29	173	29931	6.213	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	91427	5.067	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	93360	5.155	ug/L	99
65) 1,2-Dichlorobenzene	12.20	146	92297	5.314	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.99	75	9743	6.176	ug/L	90
67) 1,3,5-Trichlorobenzene	13.21	180	61850	4.695	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	50064	5.042	ug/L	97
69) Naphthalene	14.07	128	98349	5.841	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	49204	5.241	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.980 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041960.D

Acq: 12 Jan 2021 07:23

Instrument :

MSVOA_U

ClientSampleId :

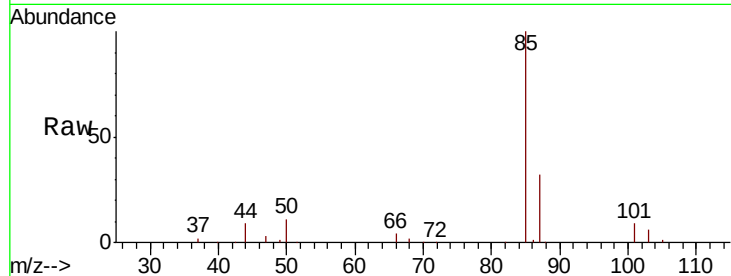
VSTD00515

Tot Ion: 85 Resp: 62325

Ion Ratio Lower Upper

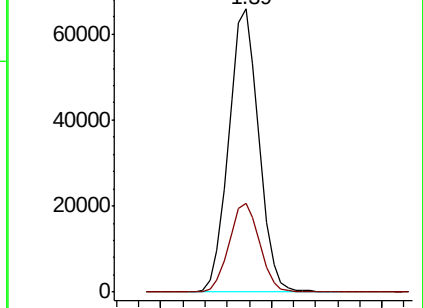
85 100

87 31.9 26.3 39.5

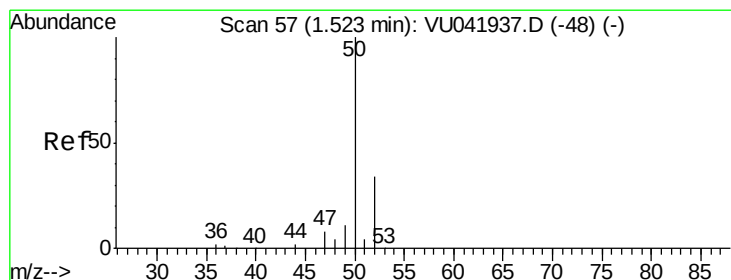
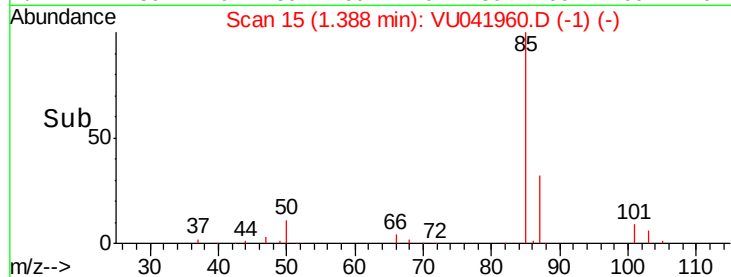


Abundance Ion 85.00 (84.70 to 85.70): VU041937.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU041937.D (-7) (-)



Time-->



#3

Chloromethane

Concen: 5.474 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041960.D

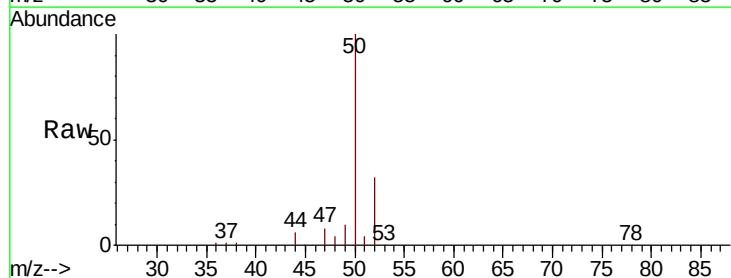
Acq: 12 Jan 2021 07:23

Tgt Ion: 50 Resp: 74542

Ion Ratio Lower Upper

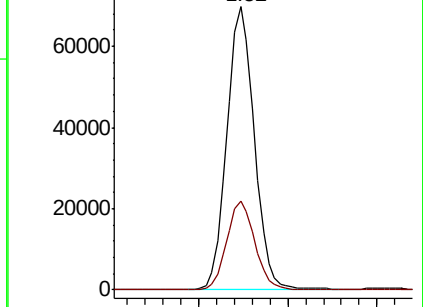
50 100

52 31.5 21.4 39.8

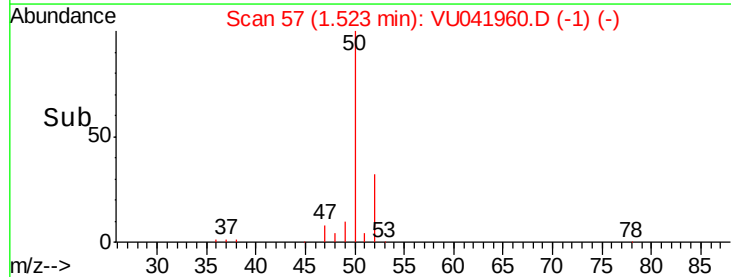


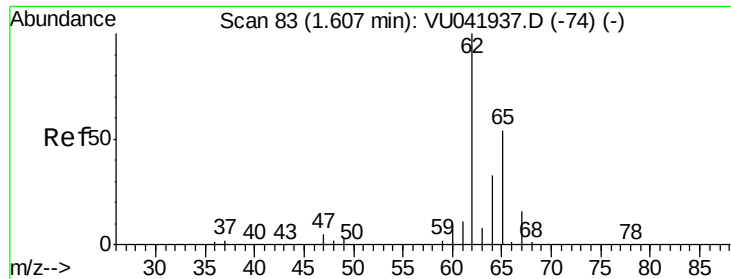
Abundance Ion 50.05 (49.75 to 50.75): VU041937.D (-48) (-)

Ion 52.05 (51.75 to 52.75): VU041937.D (-48) (-)



Time-->





#5

Vinyl chloride

Concen: 5.175 ug/L

RT: 1.61 min Scan# 83

Delta R.T. 0.00 min

Lab File: VU041960.D

Acq: 12 Jan 2021 07:23

Instrument :

MSVOA_U

ClientSampleId :

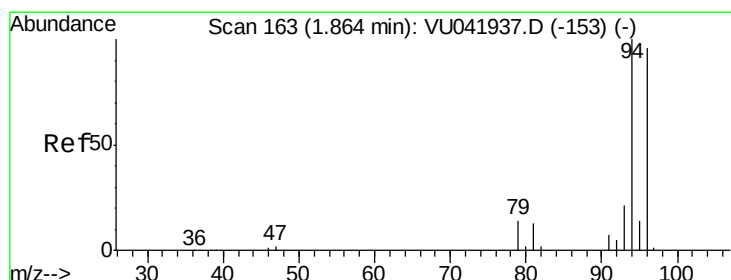
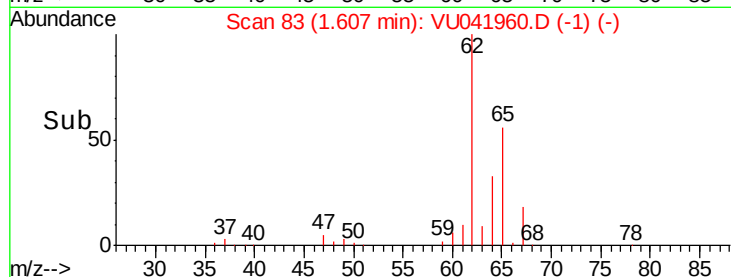
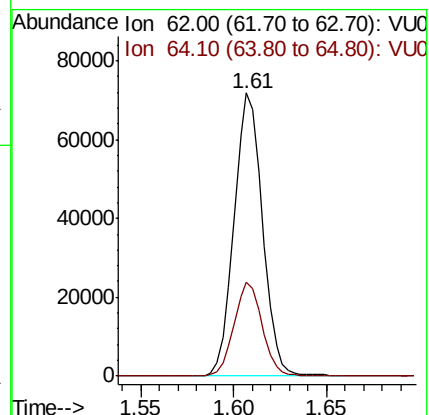
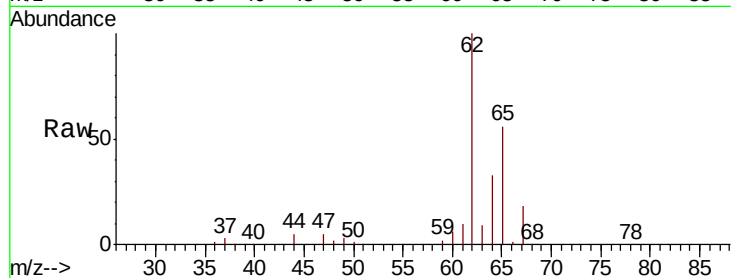
VSTD00515

Tot Ion: 62 Resp: 76492

Ion Ratio Lower Upper

62 100

64 33.0 22.2 41.2



#6

Bromomethane

Concen: 4.890 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041960.D

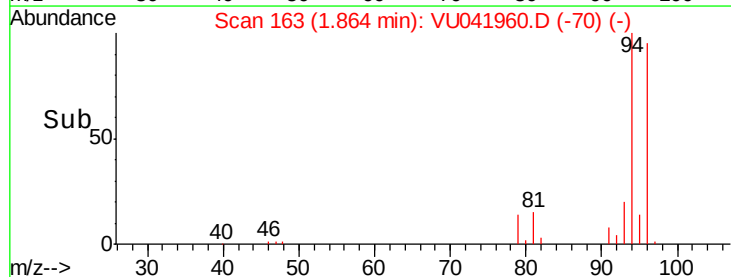
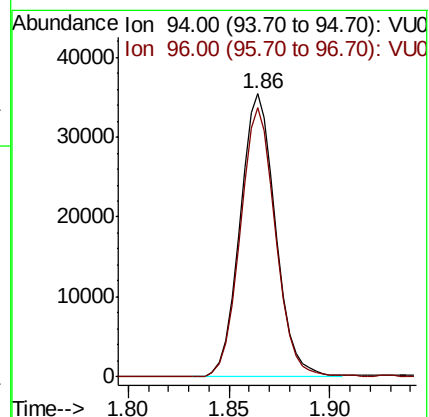
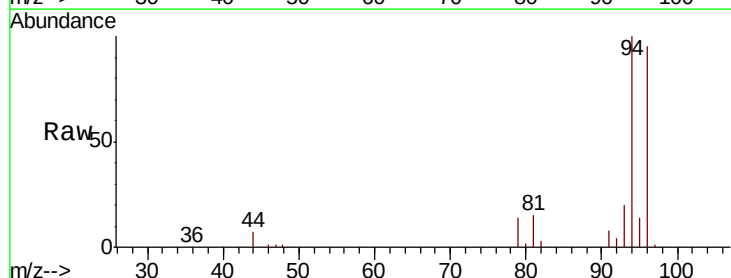
Acq: 12 Jan 2021 07:23

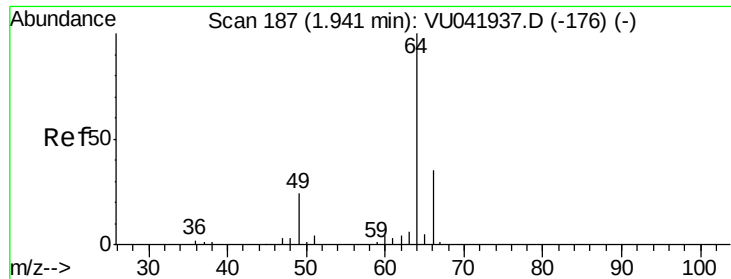
Tgt Ion: 94 Resp: 43708

Ion Ratio Lower Upper

94 100

96 95.4 65.1 120.9

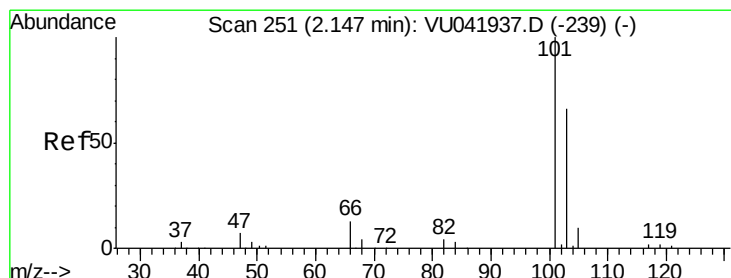
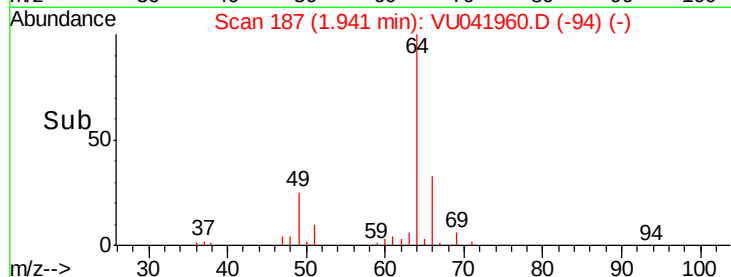
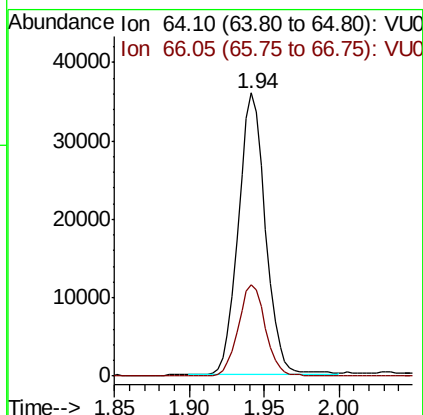
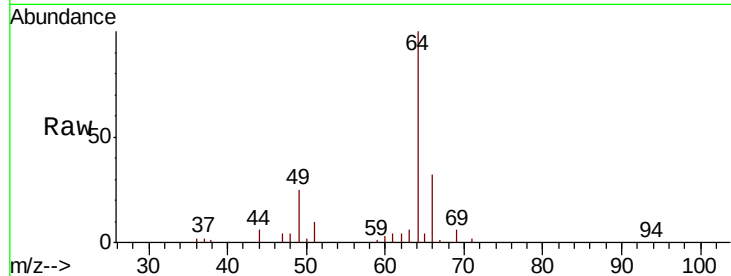




#8
Chloroethane
Concen: 5.075 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU041960.D
Acq: 12 Jan 2021 07:23

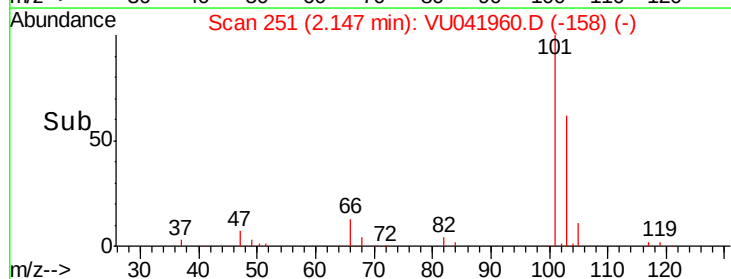
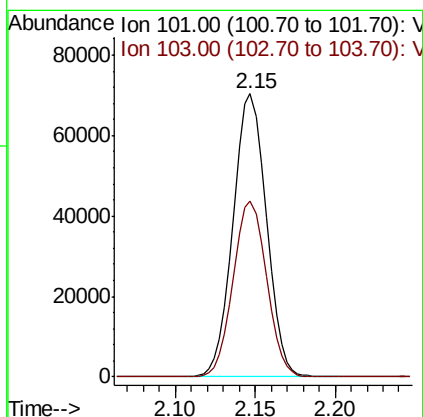
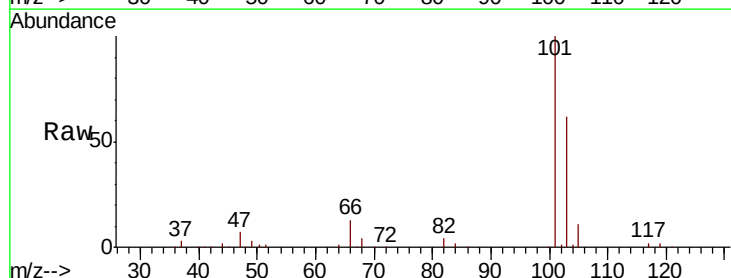
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

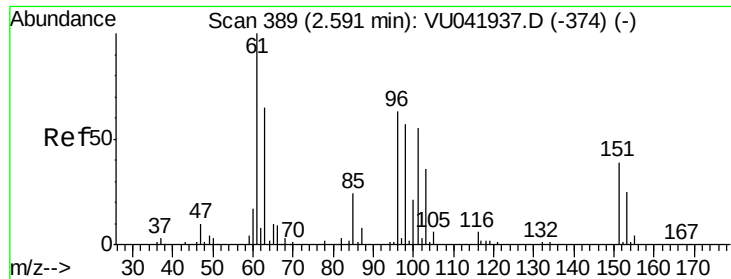
Tot Ion: 64 Resp: 45822
Ion Ratio Lower Upper
64 100
66 32.4 22.1 41.1



#9
Trichlorofluoromethane
Concen: 5.226 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU041960.D
Acq: 12 Jan 2021 07:23

Tgt Ion: 101 Resp: 99672
Ion Ratio Lower Upper
101 100
103 62.5 51.3 76.9





#10

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

Concen: 5.140 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041960.D

Acq: 12 Jan 2021 07:23

Instrument :

MSVOA_U

ClientSampled :

VSTD00515

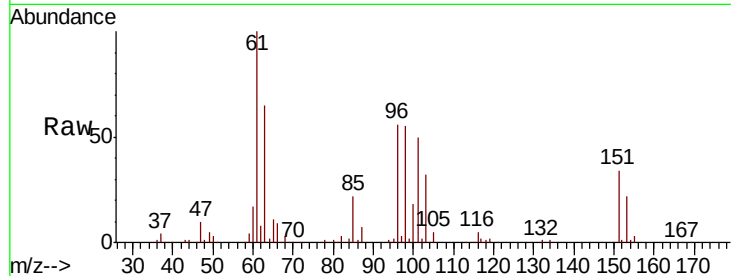
Tot Ion:101 Resp: 53345

Ion Ratio Lower Upper

101 100

85 43.0 35.1 52.7

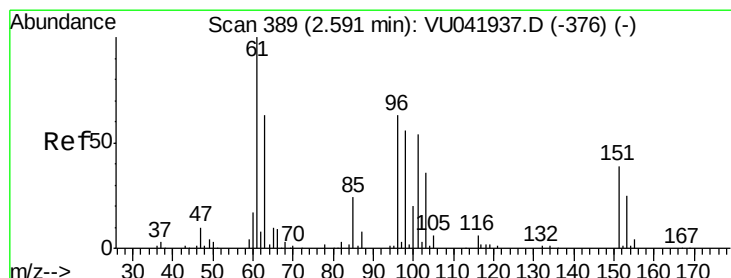
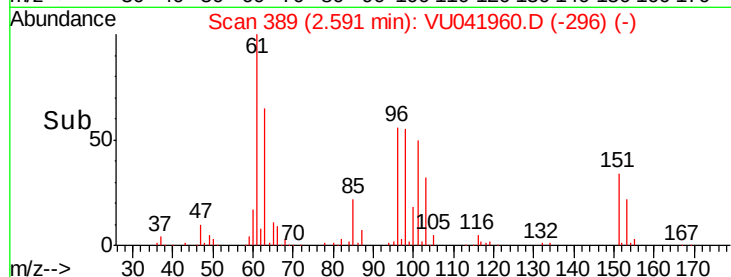
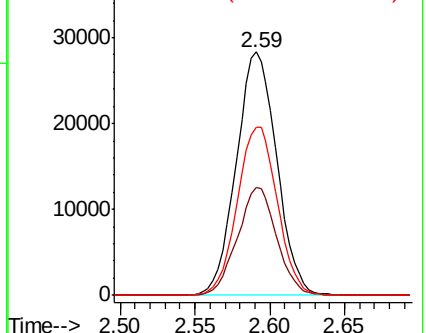
151 68.4 58.2 87.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.089 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041960.D

Acq: 12 Jan 2021 07:23

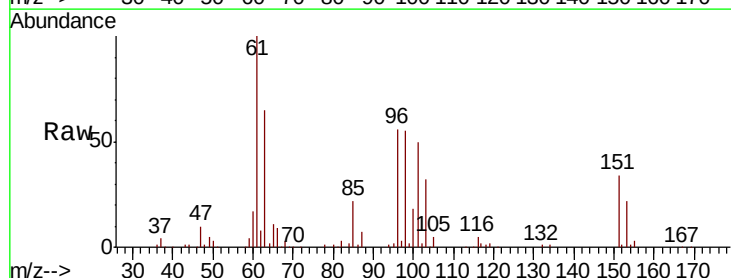
Tgt Ion: 96 Resp: 51412

Ion Ratio Lower Upper

96 100

61 179.2 123.5 229.4

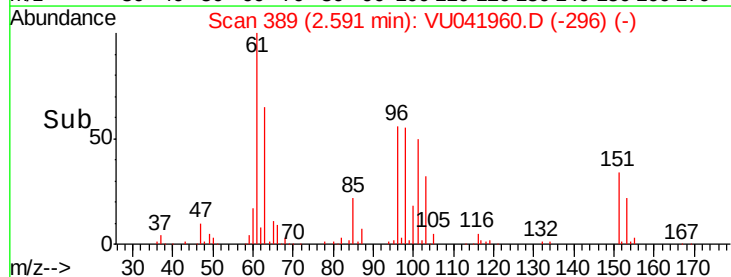
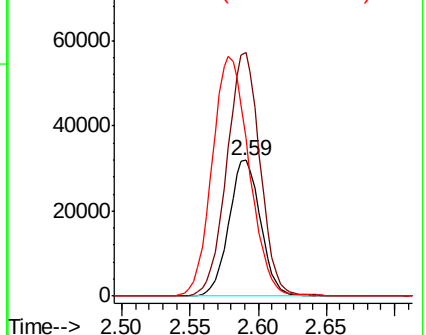
63 115.7 93.5 173.7

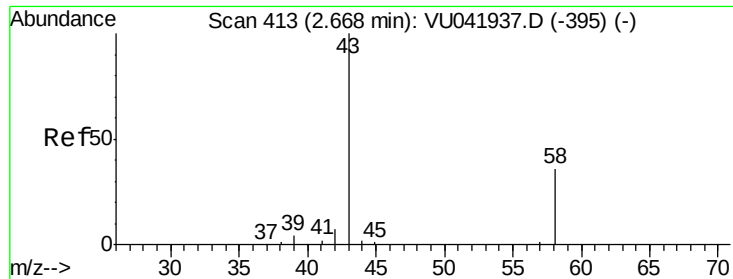


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 58.211 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU041960.D

Acq: 12 Jan 2021 07:23

Instrument :

MSVOA_U

ClientSampleId :

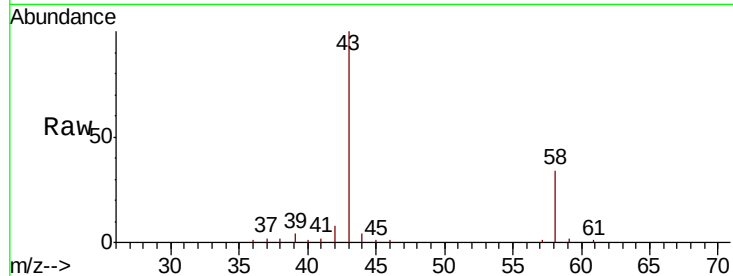
VSTD00515

Tot Ion: 43 Resp: 114579

Ion Ratio Lower Upper

43 100

58 34.5 0.0 23.6#

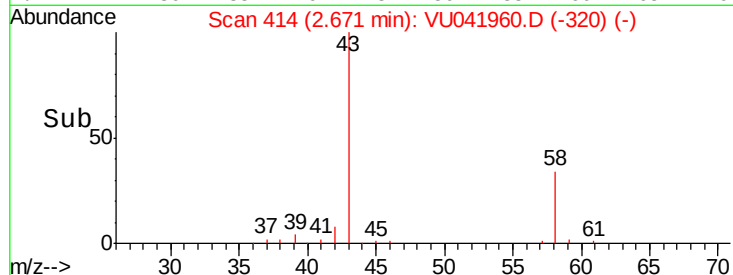


Abundance Ion 43.05 (42.75 to 43.75): VU041937.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU041937.D (-395) (-)

2.67

Time-->



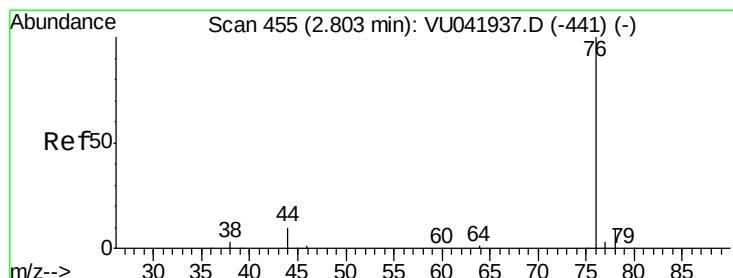
Abundance

Ion 43.05 (42.75 to 43.75): VU041960.D (-320) (-)

Ion 58.05 (57.75 to 58.75): VU041960.D (-320) (-)

2.67

Time-->



#14

Carbon disulfide

Concen: 5.345 ug/L

RT: 2.80 min Scan# 455

Delta R.T. 0.00 min

Lab File: VU041960.D

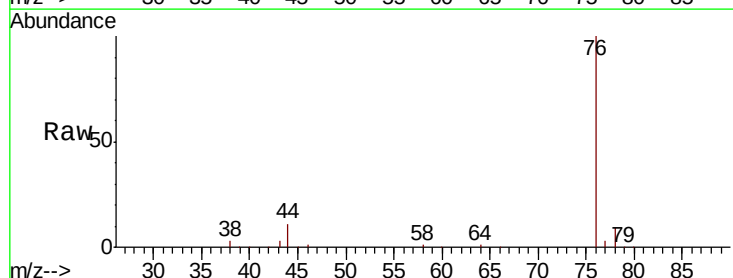
Acq: 12 Jan 2021 07:23

Tgt Ion: 76 Resp: 168479

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8

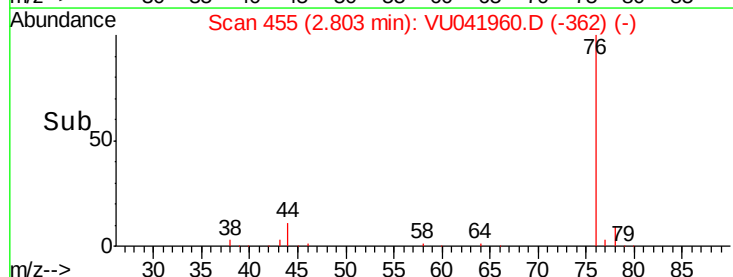


Abundance Ion 76.05 (75.75 to 76.75): VU041937.D (-441) (-)

Ion 78.00 (77.70 to 78.70): VU041937.D (-441) (-)

2.80

Time-->



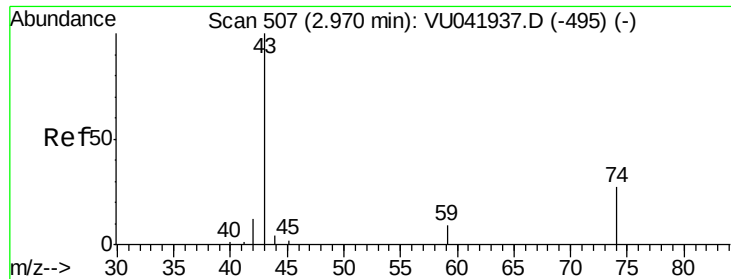
Abundance

Ion 76.05 (75.75 to 76.75): VU041960.D (-362) (-)

Ion 78.00 (77.70 to 78.70): VU041960.D (-362) (-)

2.80

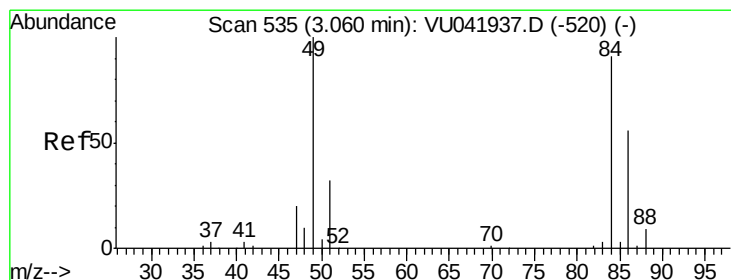
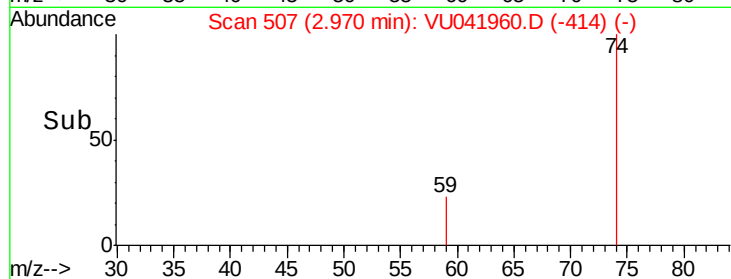
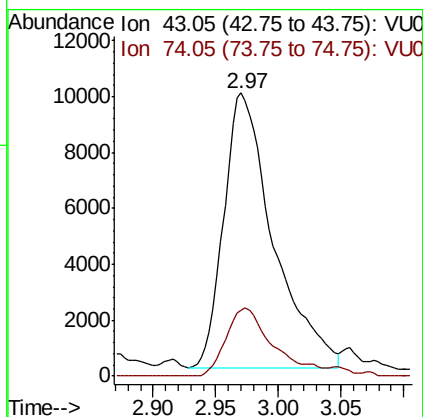
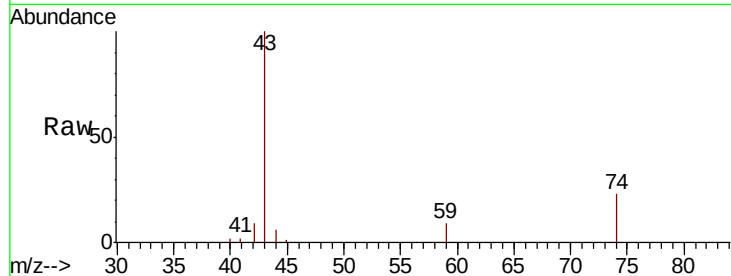
Time-->



#15
Methvl Acetate
Concen: 6.023 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU041960.D
Acq: 12 Jan 2021 07:23

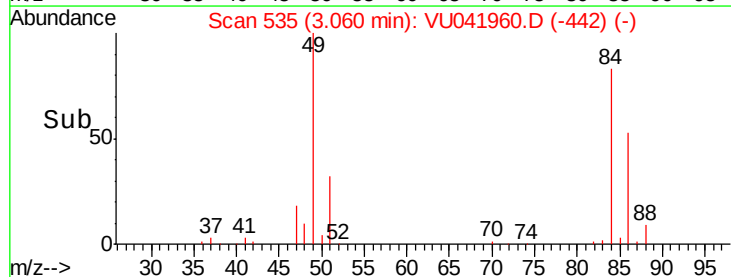
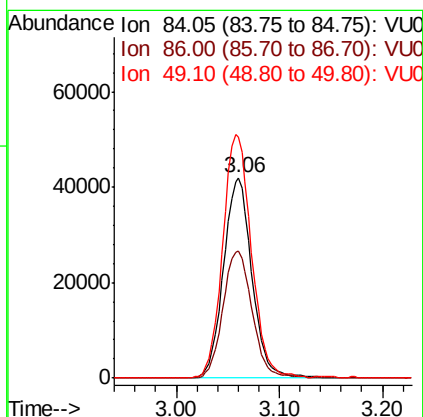
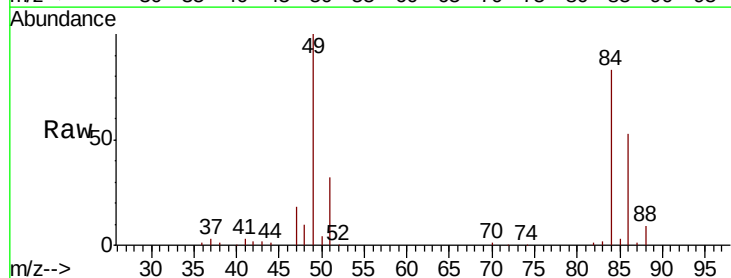
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

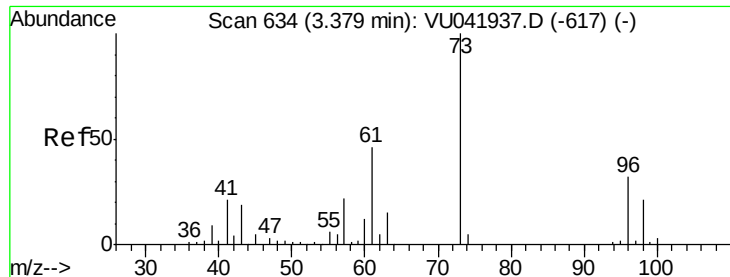
Tot Ion: 43 Resp: 26936
Ion Ratio Lower Upper
43 100
74 23.7 19.8 29.8



#16
Methylene chloride
Concen: 6.355 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041960.D
Acq: 12 Jan 2021 07:23

Tgt Ion: 84 Resp: 80682
Ion Ratio Lower Upper
84 100
86 63.3 43.5 80.7
49 120.2 81.8 151.8

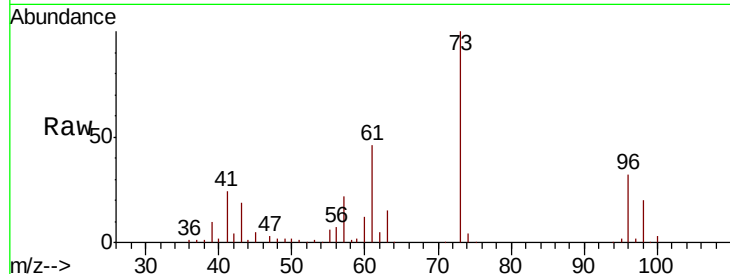




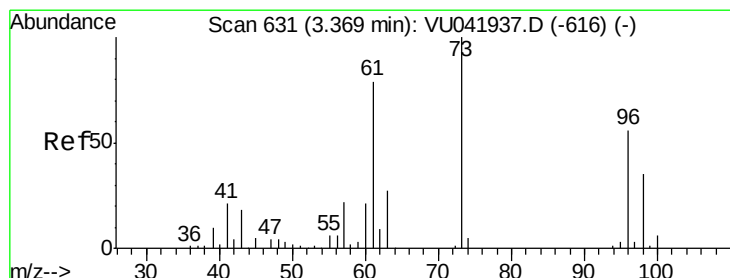
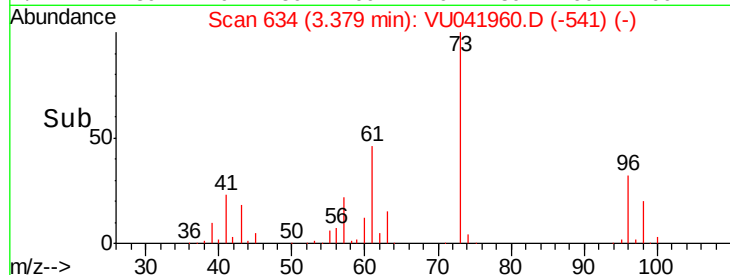
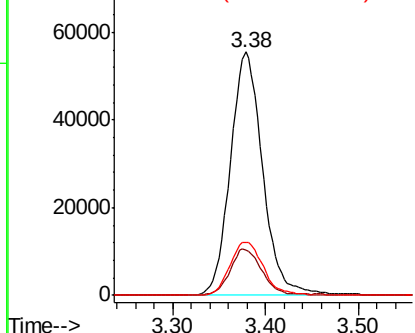
#17
Methyl tert-butyl Ether
Concen: 5.547 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041960.D
Acq: 12 Jan 2021 07:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Tot Ion: 73 Resp: 134389
Ion Ratio Lower Upper
73 100
43 18.7 15.8 23.8
57 22.5 18.3 27.5

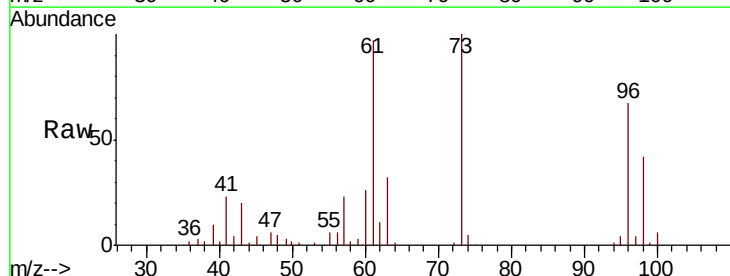


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

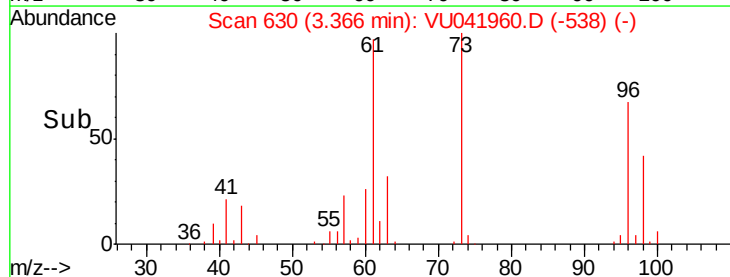
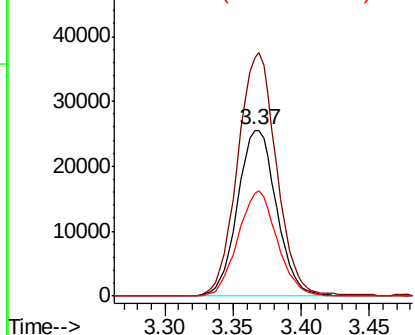


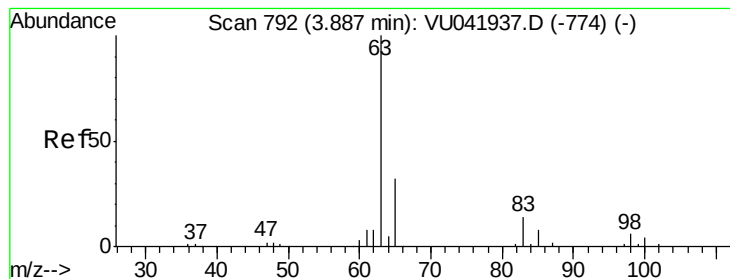
#18
trans-1,2-Dichloroethene
Concen: 5.167 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU041960.D
Acq: 12 Jan 2021 07:23

Tgt Ion: 96 Resp: 50680
Ion Ratio Lower Upper
96 100
61 144.1 100.7 187.1
98 62.2 43.0 80.0



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





#19

1,1-Dichloroethane

Concen: 5.504 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU041960.D

Acq: 12 Jan 2021 07:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

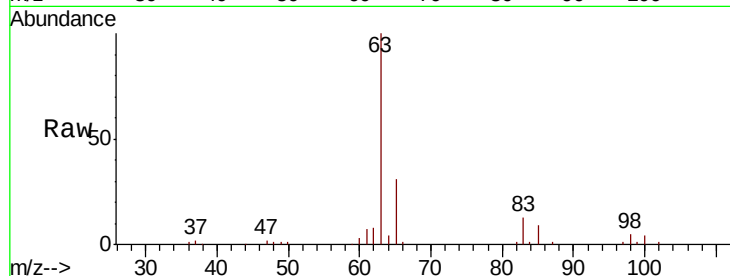
Tot Ion: 63 Resp: 101310

Ion Ratio Lower Upper

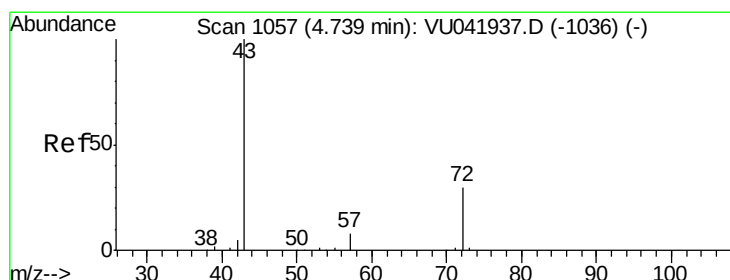
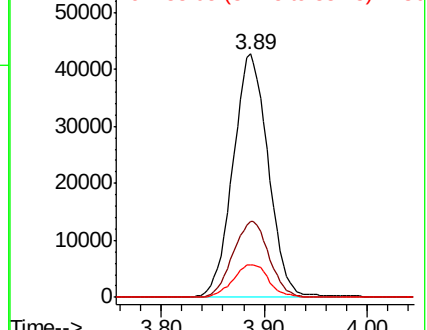
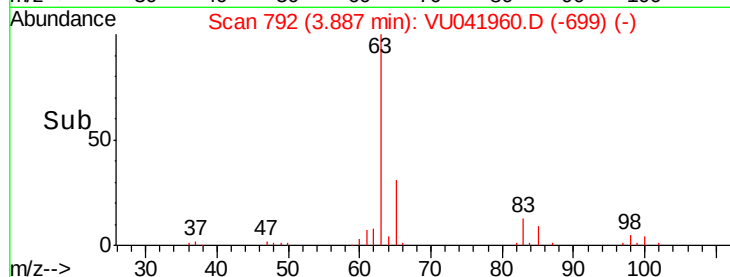
63 100

65 31.3 22.3 41.5

83 13.4 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VU041960.D (-699) (-)



#21

2-Butanone

Concen: 65.354 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VU041960.D

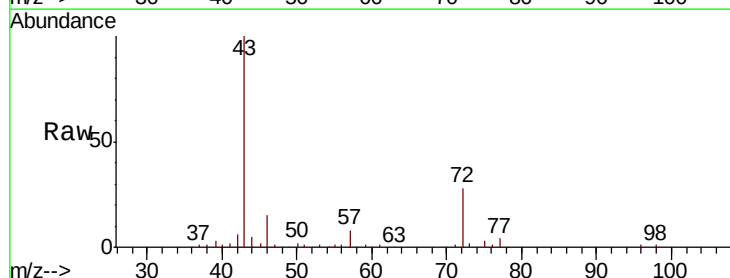
Acq: 12 Jan 2021 07:23

Tgt Ion: 43 Resp: 199618

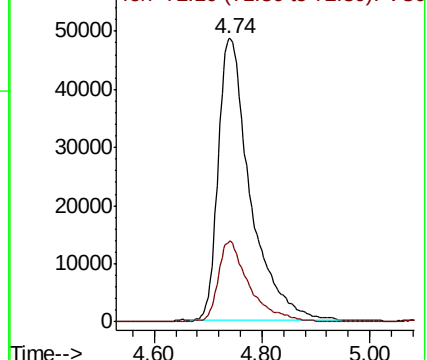
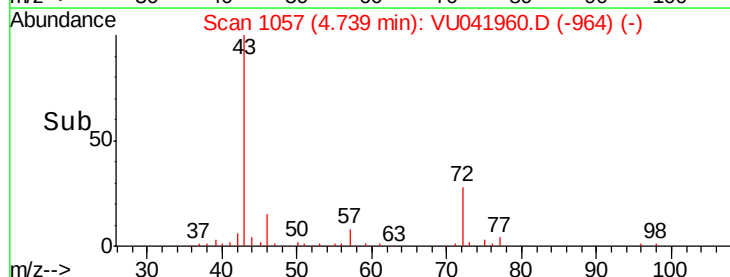
Ion Ratio Lower Upper

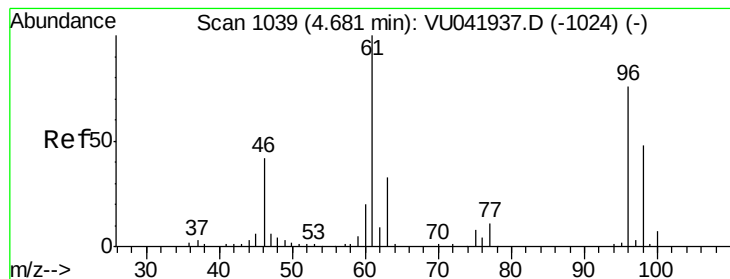
43 100

72 28.0 13.6 40.8



Abundance Ion 43.05 (42.75 to 43.75): VU041960.D (-964) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.248 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041960.D

Acq: 12 Jan 2021 07:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

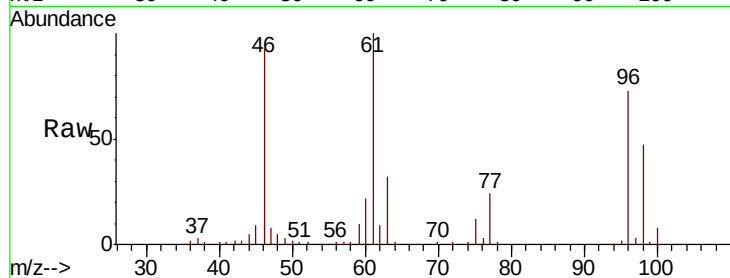
Tot Ion: 96 Resp: 54969

Ion Ratio Lower Upper

96 100

61 137.9 90.3 167.7

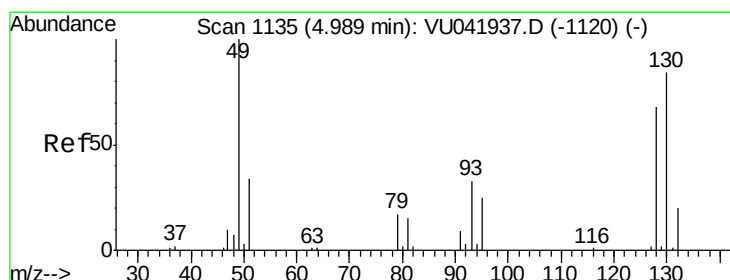
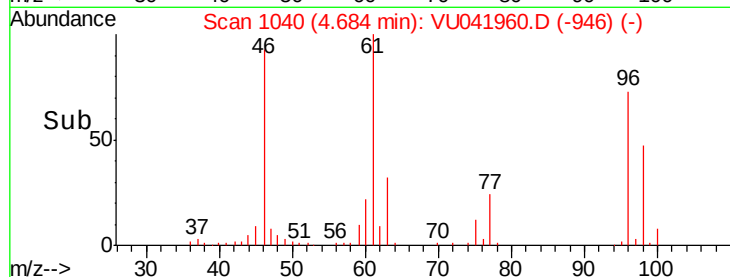
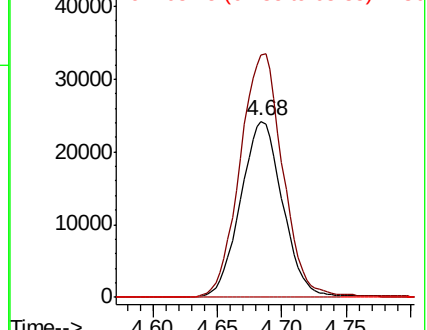
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041937.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU041937.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU041937.D (-1024) (-)



#23

Bromochloromethane

Concen: 4.919 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VU041960.D

Acq: 12 Jan 2021 07:23

Tgt Ion:128 Resp: 24041

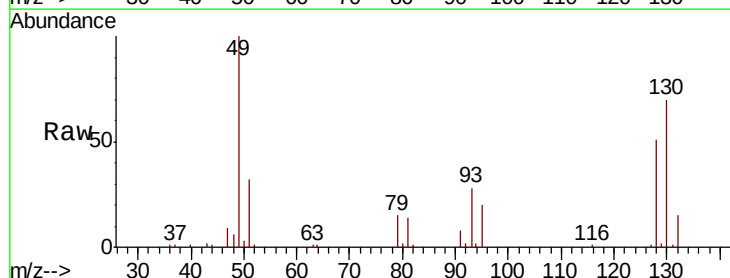
Ion Ratio Lower Upper

128 100

49 194.7 124.0 230.4

130 135.5 94.0 174.6

51 62.5 45.0 67.4

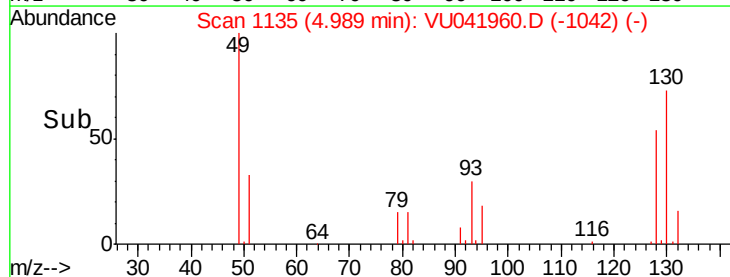
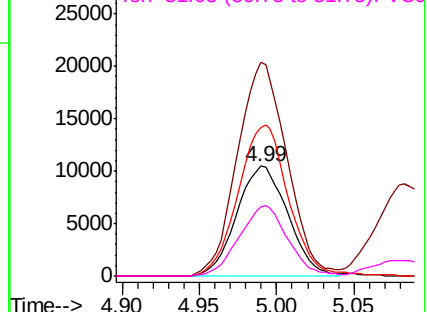


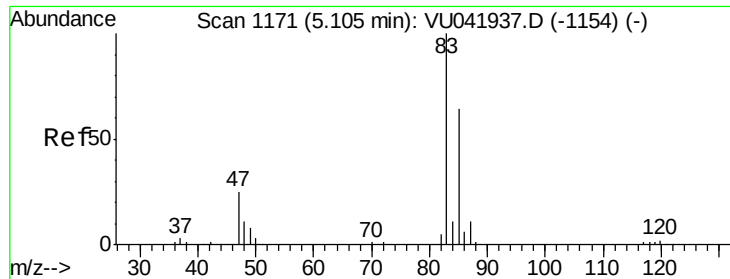
Abundance Ion 127.90 (127.60 to 128.60): VU041937.D (-1120) (-)

Ion 49.10 (48.80 to 49.80): VU041937.D (-1120) (-)

Ion 129.95 (129.65 to 130.65): VU041937.D (-1120) (-)

Ion 51.05 (50.75 to 51.75): VU041937.D (-1120) (-)

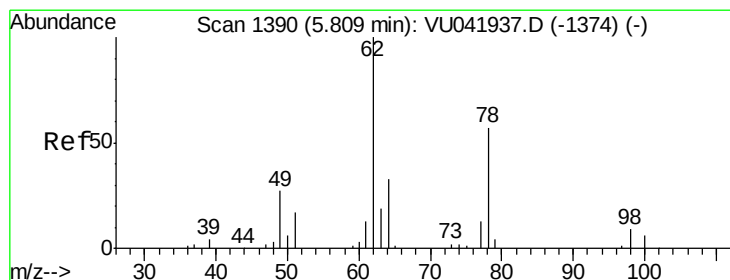
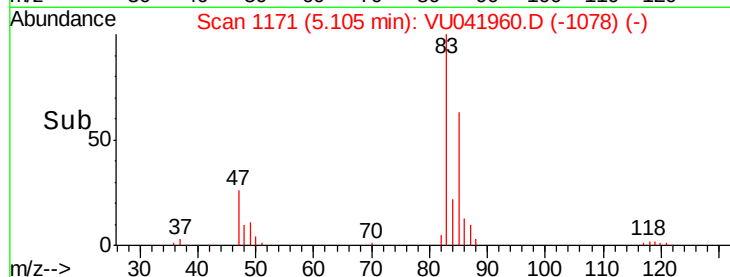
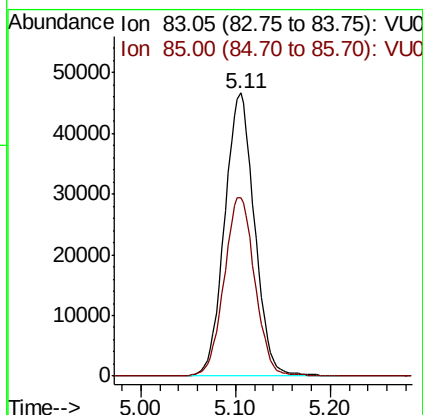
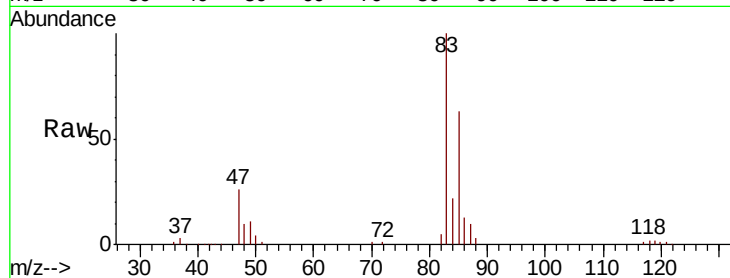




#25
Chloroform
Concen: 5.328 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041960.D
Acq: 12 Jan 2021 07:23

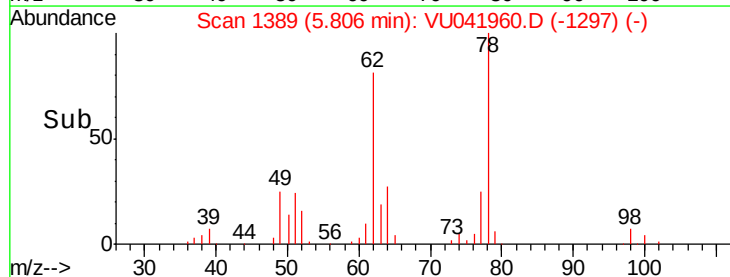
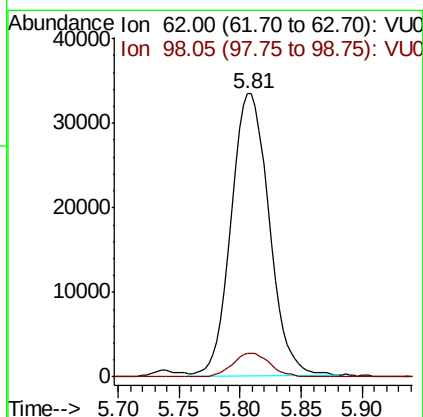
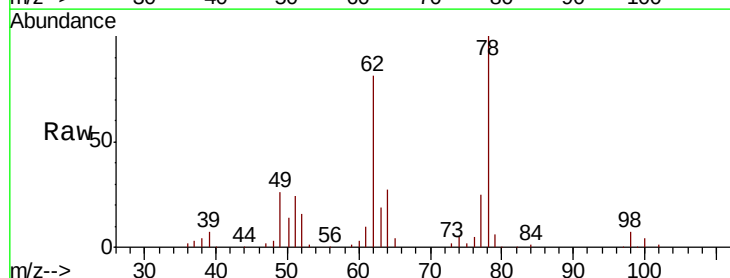
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

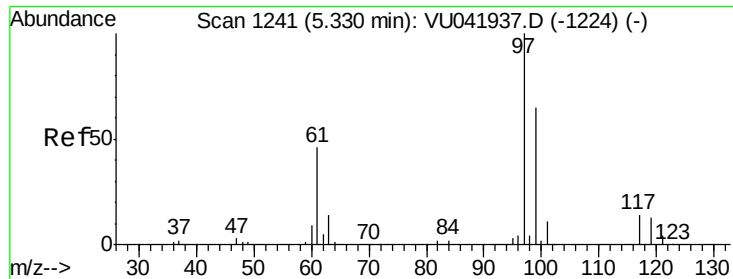
Tot Ion: 83 Resp: 102215
Ion Ratio Lower Upper
83 100
85 62.9 45.1 83.9



#27
1,2-Dichloroethane
Concen: 5.855 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041960.D
Acq: 12 Jan 2021 07:23

Tgt Ion: 62 Resp: 71997
Ion Ratio Lower Upper
62 100
98 8.2 7.8 11.8

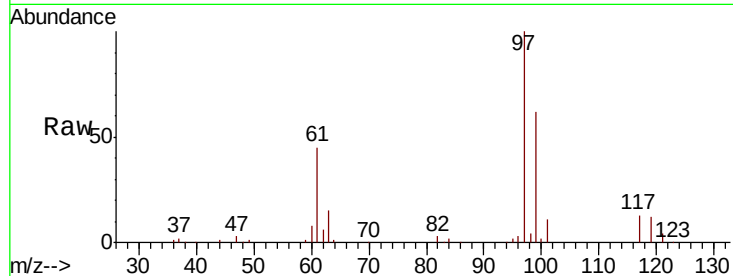




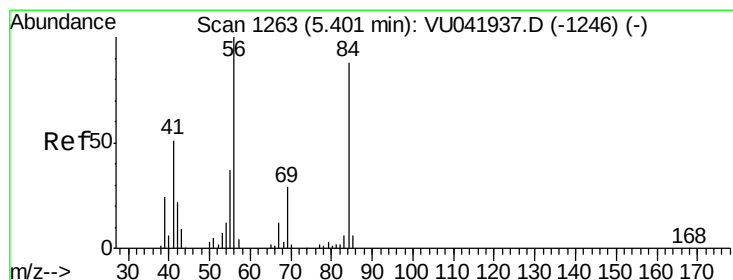
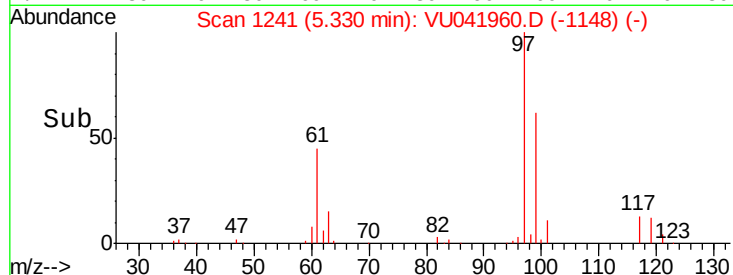
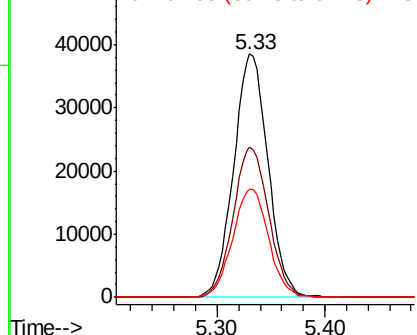
#29
 1,1,1-Trichloroethane
 Concen: 5.261 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: VU041960.D
 Acq: 12 Jan 2021 07:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tot Ion: 97 Resp: 85698
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.4 77.2
 61 46.4 35.3 52.9

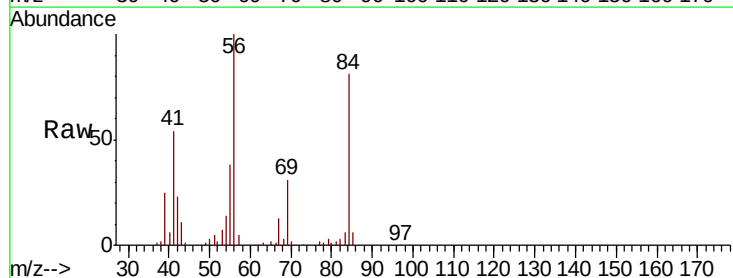


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

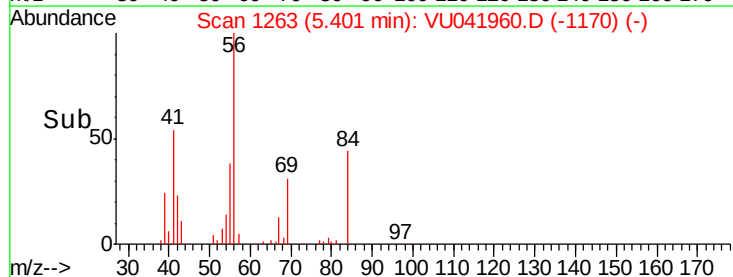
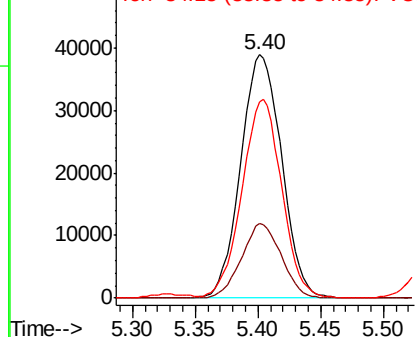


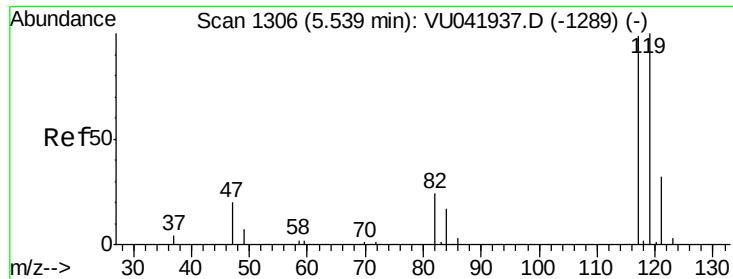
#30
 Cyclohexane
 Concen: 5.791 ug/L
 RT: 5.40 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VU041960.D
 Acq: 12 Jan 2021 07:23

Tgt Ion: 56 Resp: 88368
 Ion Ratio Lower Upper
 56 100
 69 29.8 24.4 36.6
 84 78.9 69.8 104.6



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

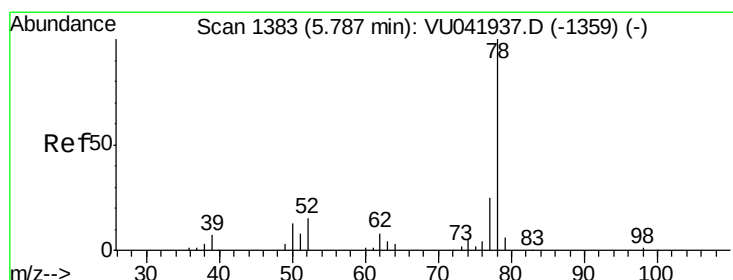
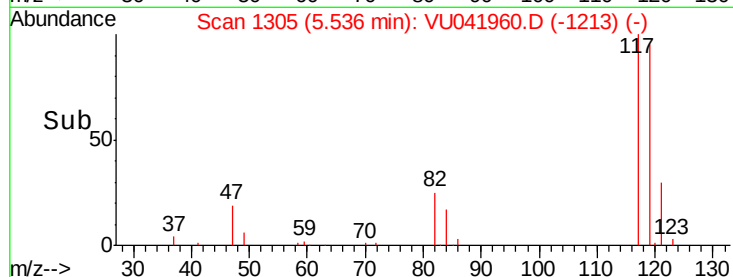
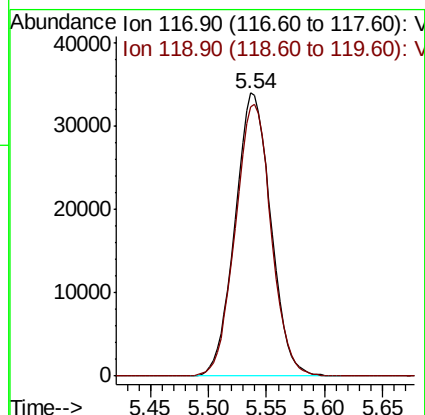
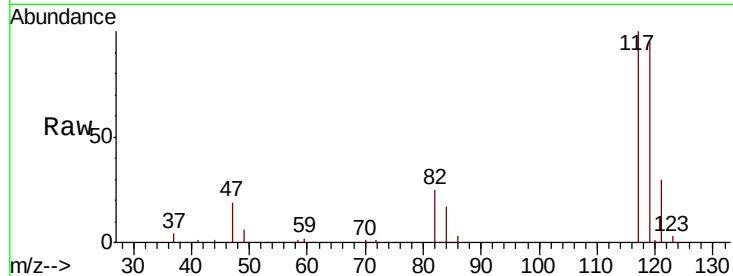




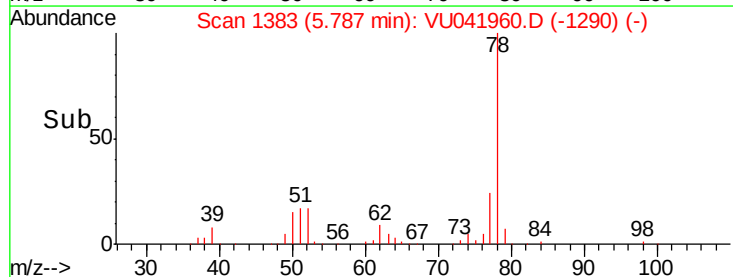
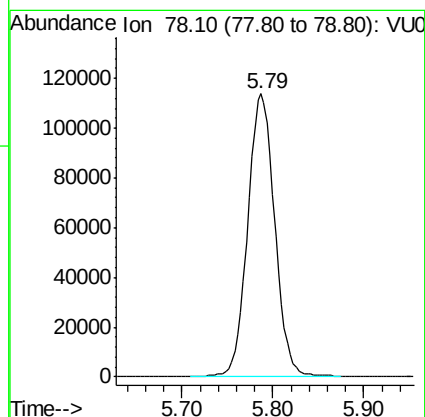
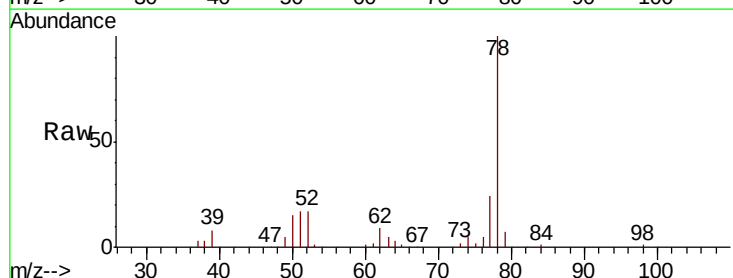
#31
Carbon tetrachloride
Concen: 5.161 ug/L
RT: 5.54 min Scan# 1305
Delta R.T. -0.00 min
Lab File: VU041960.D
Acq: 12 Jan 2021 07:23

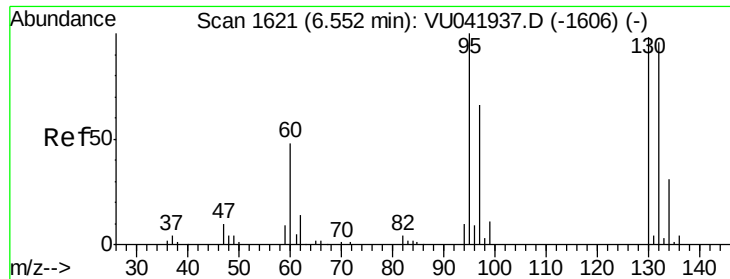
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Tot Ion:117 Resp: 72648
Ion Ratio Lower Upper
117 100
119 96.3 75.0 112.4



#33
Benzene
Concen: 5.837 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU041960.D
Acq: 12 Jan 2021 07:23
Tgt Ion: 78 Resp: 234825

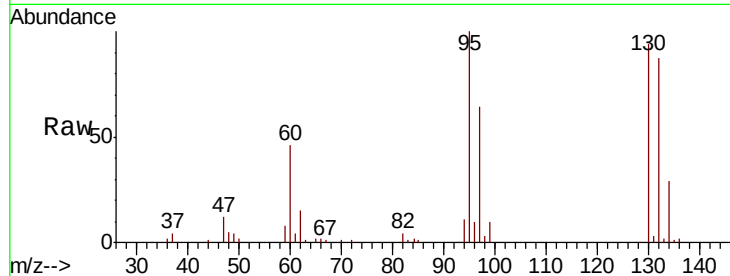




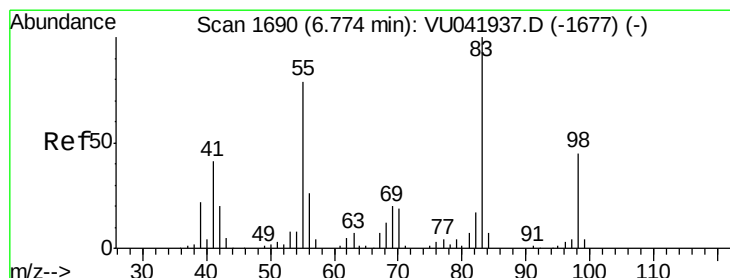
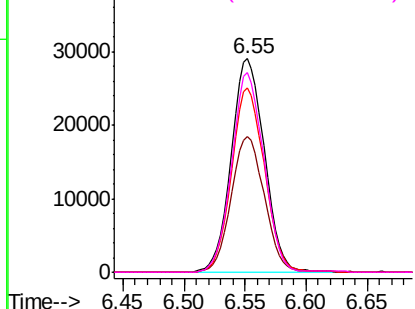
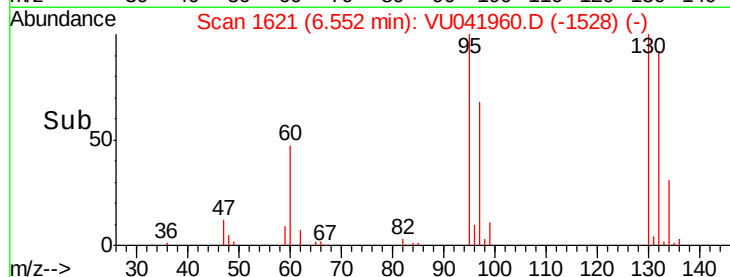
#34
 Trichloroethene
 Concen: 5.203 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041960.D
 Acq: 12 Jan 2021 07:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tot Ion: 95 Resp: 54943
 Ion Ratio Lower Upper
 95 100
 97 63.6 45.2 84.0
 132 86.6 68.7 127.5
 130 93.7 68.0 126.4

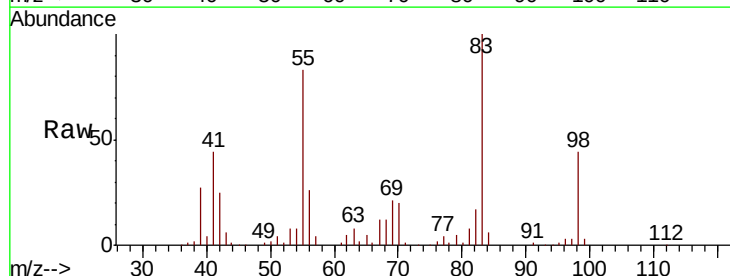


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

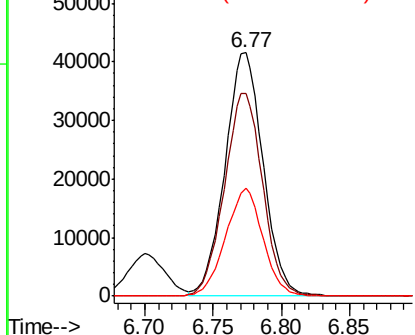
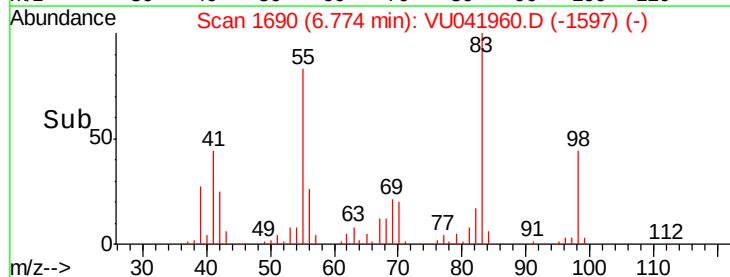


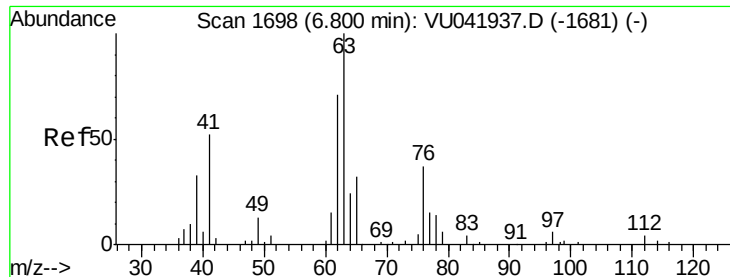
#35
 Methylcyclohexane
 Concen: 5.190 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041960.D
 Acq: 12 Jan 2021 07:23

Tgt Ion: 83 Resp: 80556
 Ion Ratio Lower Upper
 83 100
 55 83.8 64.3 96.5
 98 43.5 36.6 54.8



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

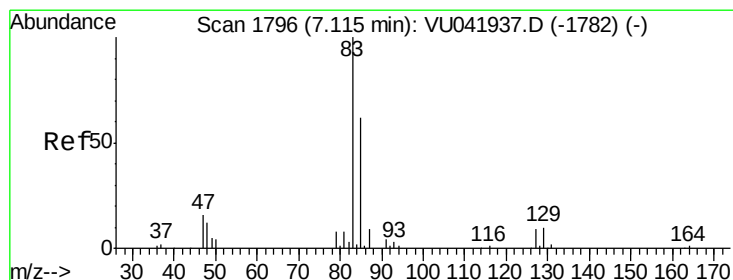
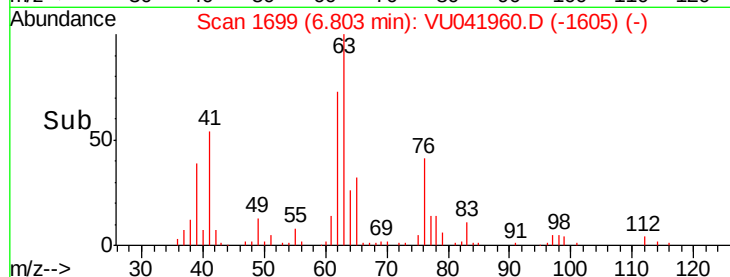
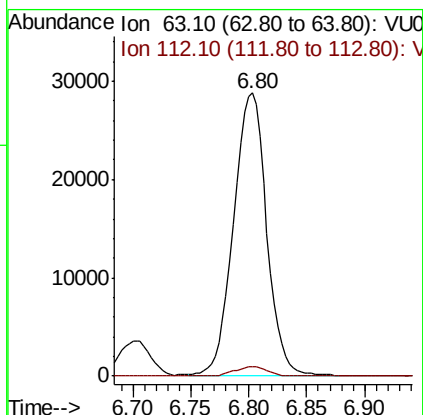
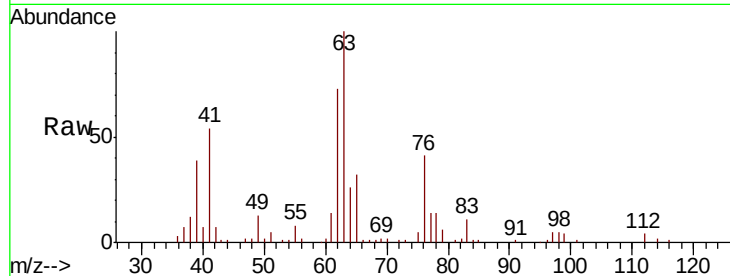




#37
 1,2-Dichloropropane
 Concen: 5.689 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041960.D
 Acq: 12 Jan 2021 07:23

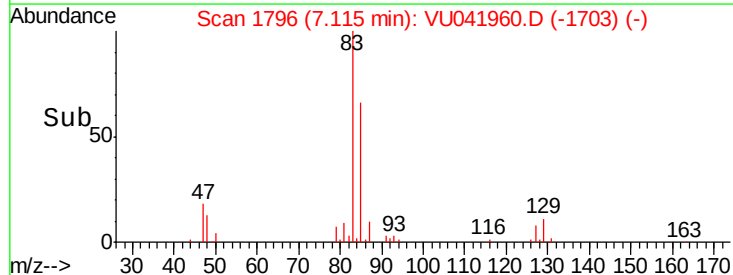
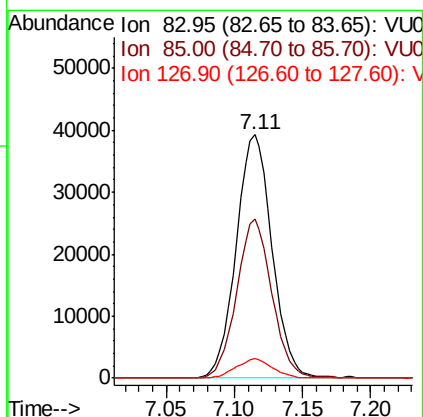
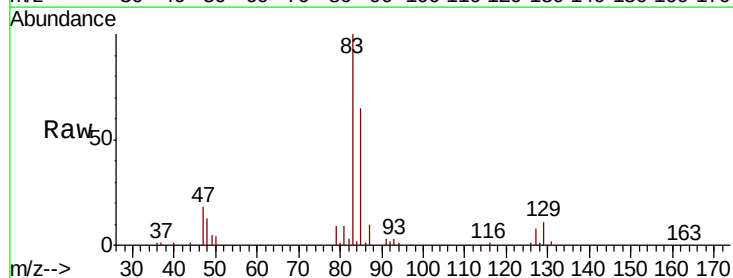
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

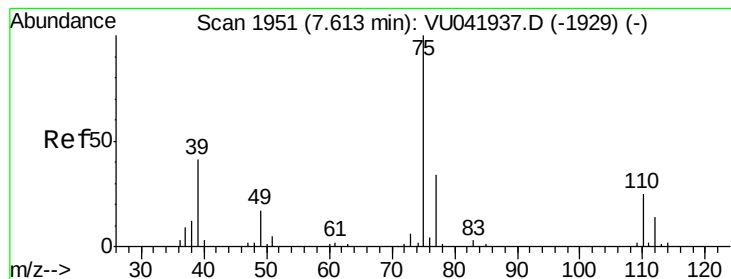
Tot Ion: 63 Resp: 57065
 Ion Ratio Lower Upper
 63 100
 112 3.3 3.3 4.9



#38
 Bromodichloromethane
 Concen: 5.340 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041960.D
 Acq: 12 Jan 2021 07:23

Tgt Ion: 83 Resp: 71682
 Ion Ratio Lower Upper
 83 100
 85 65.1 42.1 78.3
 127 7.9 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 5.456 ug/L

RT: 7.61 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VU041960.D

Acq: 12 Jan 2021 07:23

Instrument :

MSVOA_U

ClientSampleId :

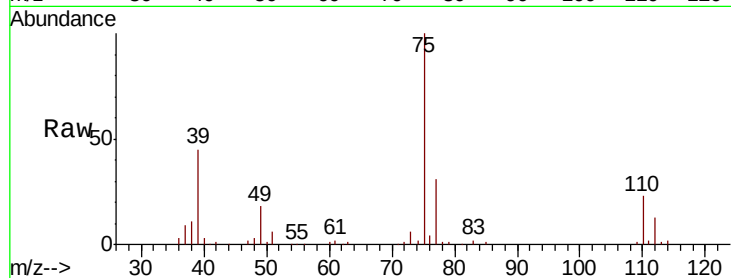
VSTD00515

Tot Ion: 75 Resp: 80811

Ion Ratio Lower Upper

75 100

77 31.3 21.5 39.9

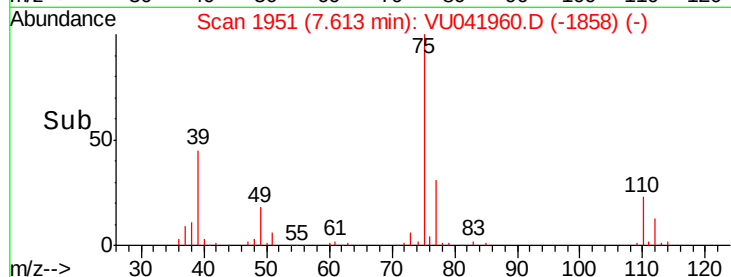


Abundance Ion 75.05 (74.75 to 75.75): VU041937.D (-1929) (-)

Ion 77.05 (76.75 to 77.75): VU041937.D (-1929) (-)

7.61

Time-->

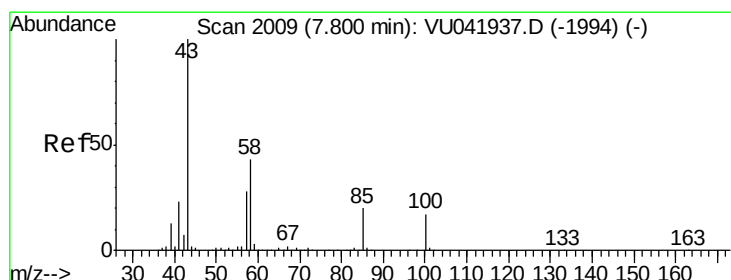


Abundance Ion 75.05 (74.75 to 75.75): VU041960.D (-1858) (-)

Ion 77.05 (76.75 to 77.75): VU041960.D (-1858) (-)

7.61

Time-->



#40

4-Methyl-2-pentanone

Concen: 65.985 ug/L

RT: 7.80 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VU041960.D

Acq: 12 Jan 2021 07:23

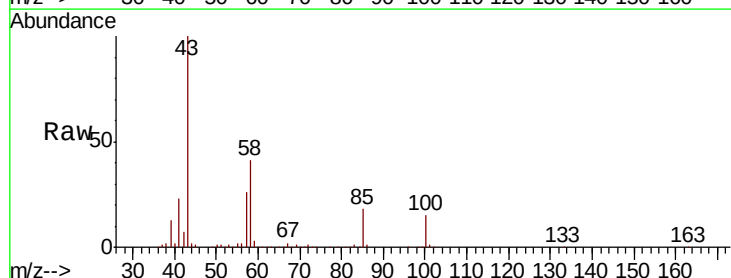
Tgt Ion: 43 Resp: 420241

Ion Ratio Lower Upper

43 100

58 41.4 35.0 52.4

100 14.7 13.3 19.9



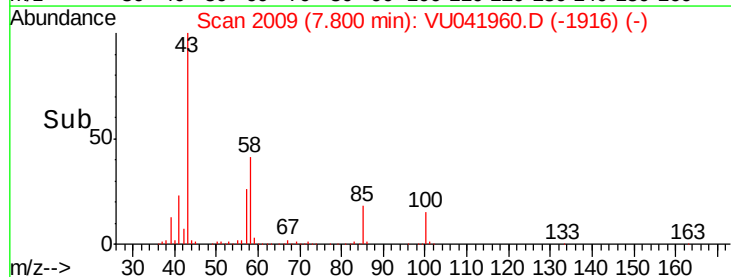
Abundance Ion 43.05 (42.75 to 43.75): VU041937.D (-1994) (-)

Ion 58.05 (57.75 to 58.75): VU041937.D (-1994) (-)

Ion 100.15 (99.85 to 100.85): VU041937.D (-1994) (-)

7.80

Time-->



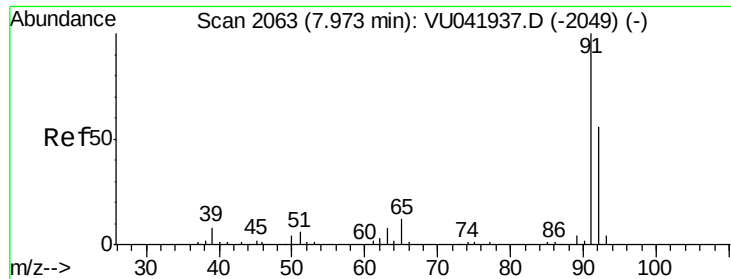
Abundance Ion 43.05 (42.75 to 43.75): VU041960.D (-1916) (-)

Ion 58.05 (57.75 to 58.75): VU041960.D (-1916) (-)

Ion 100.15 (99.85 to 100.85): VU041960.D (-1916) (-)

7.80

Time-->



#42

Toluene

Concen: 5.241 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041960.D

Acq: 12 Jan 2021 07:23

Instrument :

MSVOA_U

ClientSampleId :

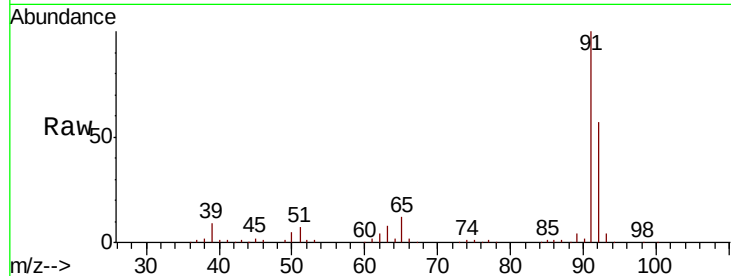
VSTD00515

Tot Ion: 91 Resp: 217818

Ion Ratio Lower Upper

91 100

92 56.7 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VU041937.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041937.D (-2049) (-)

7.97

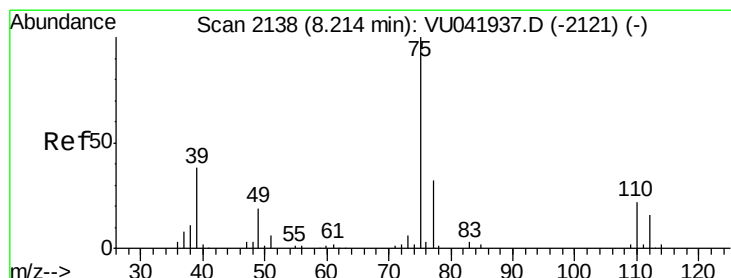
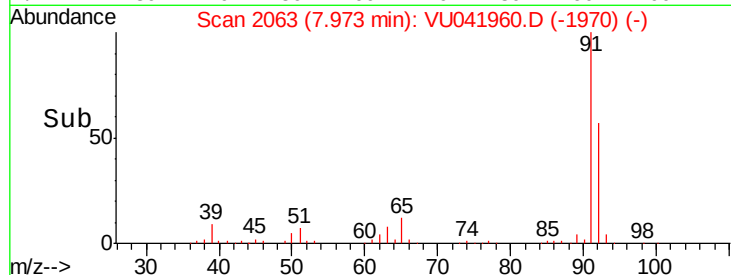
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.419 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041960.D

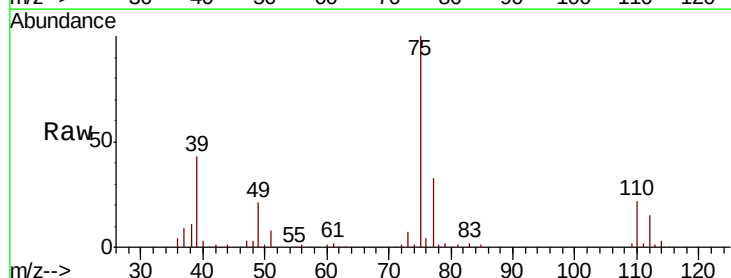
Acq: 12 Jan 2021 07:23

Tgt Ion: 75 Resp: 71004

Ion Ratio Lower Upper

75 100

77 33.1 23.7 44.1



Abundance Ion 75.05 (74.75 to 75.75): VU041937.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU041937.D (-2121) (-)

8.21

40000

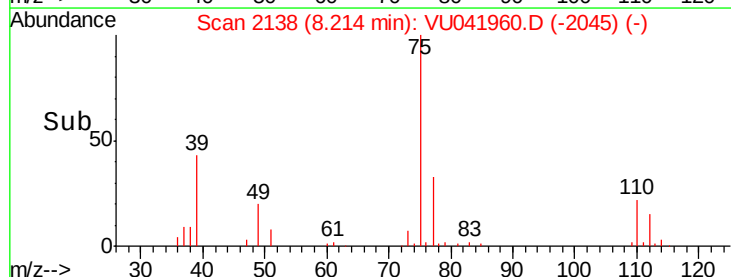
30000

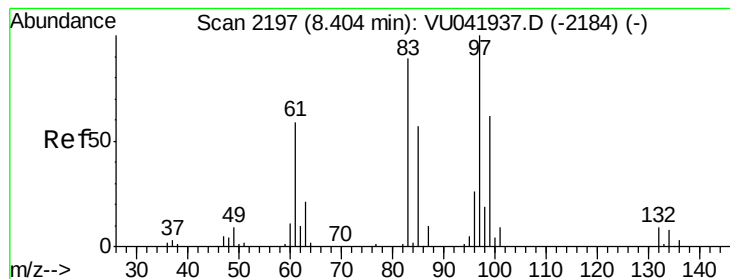
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.935 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU041960.D

Acq: 12 Jan 2021 07:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

Tot Ion: 97 Resp: 45643

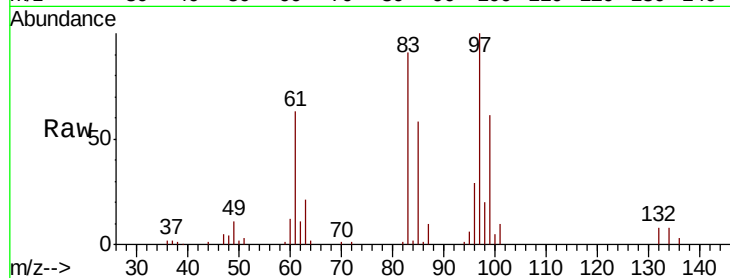
Ion Ratio Lower Upper

97 100

99 60.6 45.1 83.9

83 90.5 63.3 117.7

85 57.9 39.2 72.8

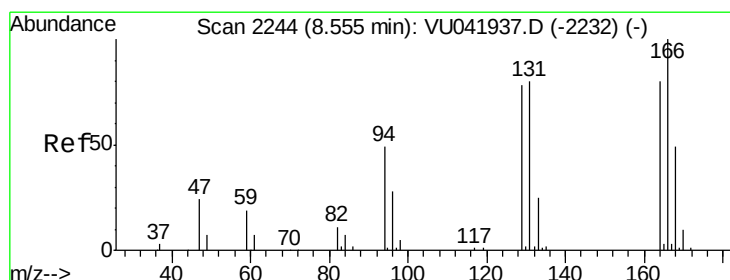
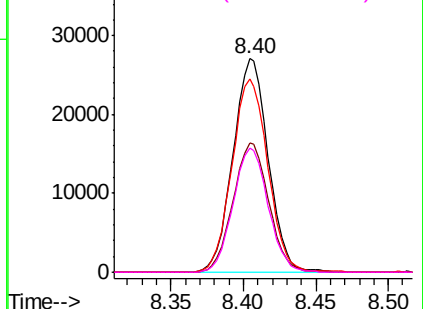
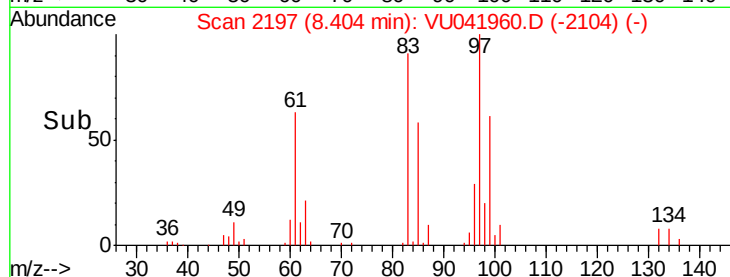


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.046 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041960.D

Acq: 12 Jan 2021 07:23

Tgt Ion: 164 Resp: 37076

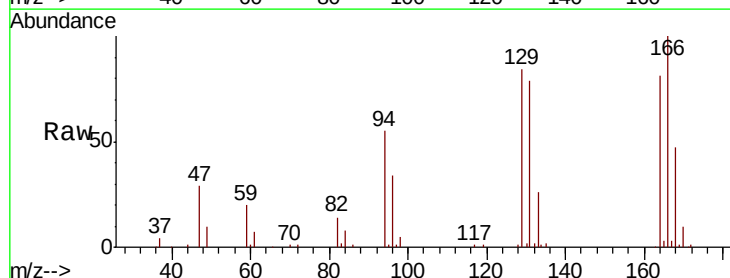
Ion Ratio Lower Upper

164 100

129 103.9 69.2 128.6

131 98.0 69.7 129.5

166 123.4 89.2 165.8

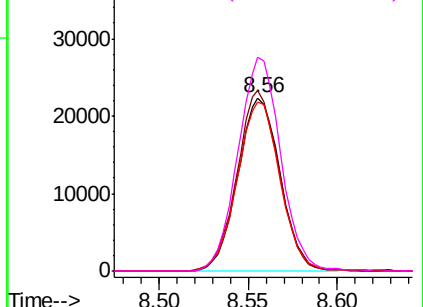
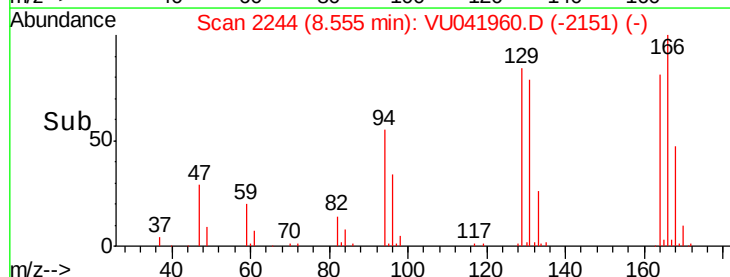


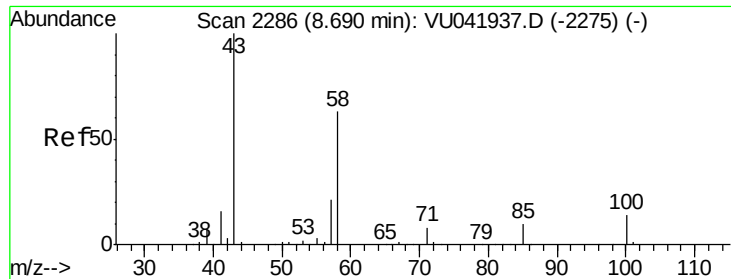
Abundance Ion 163.90 (163.60 to 164.60): V

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

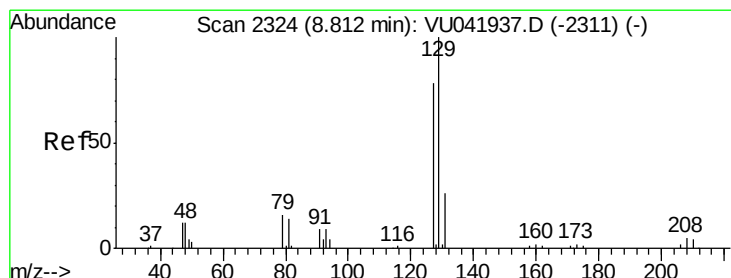
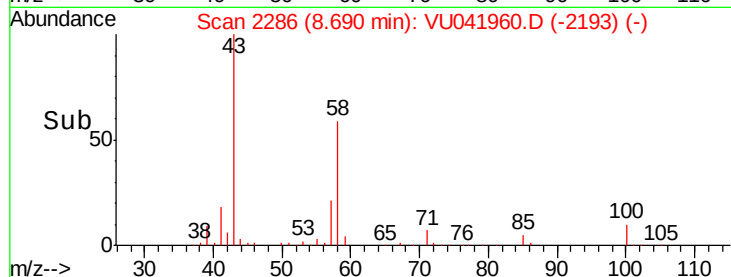
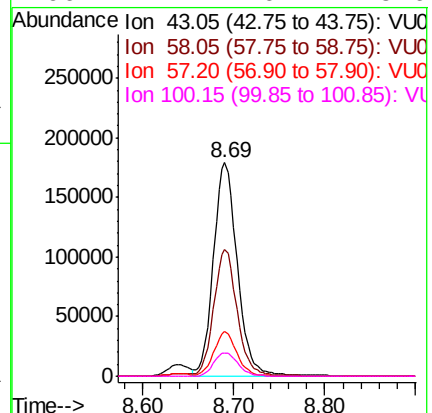
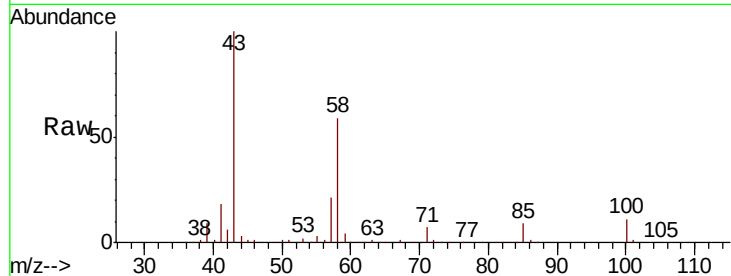




#48
2-Hexanone
Concen: 69.685 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041960.D
Acq: 12 Jan 2021 07:23

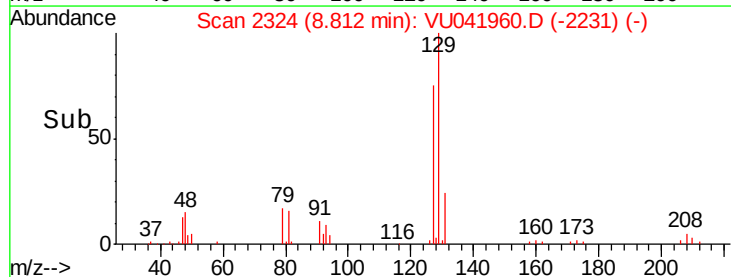
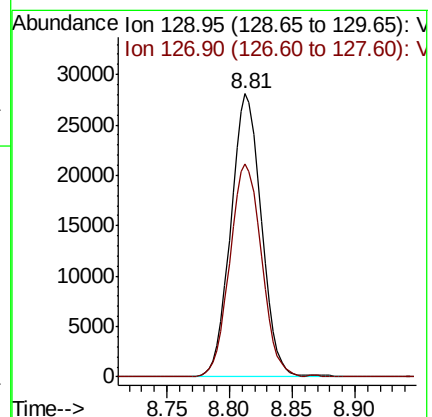
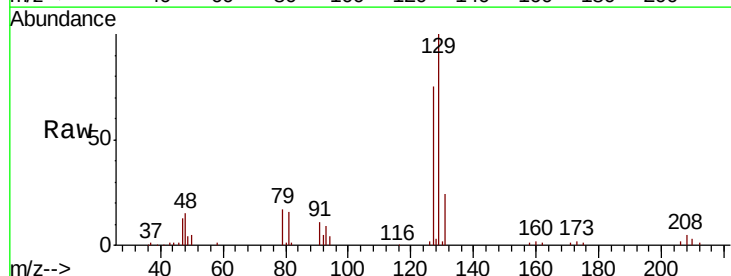
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

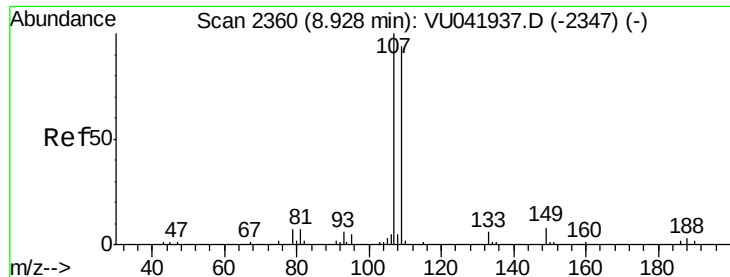
Tot Ion: 43 Resp: 327148
Ion Ratio Lower Upper
43 100
58 58.1 47.6 71.4
57 20.5 17.1 25.7
100 11.1 10.4 15.6



#49
Dibromochloromethane
Concen: 5.089 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041960.D
Acq: 12 Jan 2021 07:23

Tgt Ion: 129 Resp: 47629
Ion Ratio Lower Upper
129 100
127 75.4 54.9 101.9

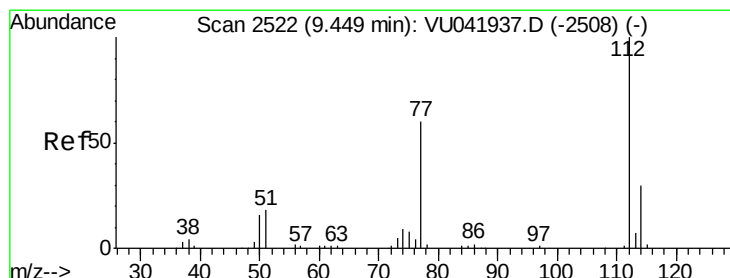
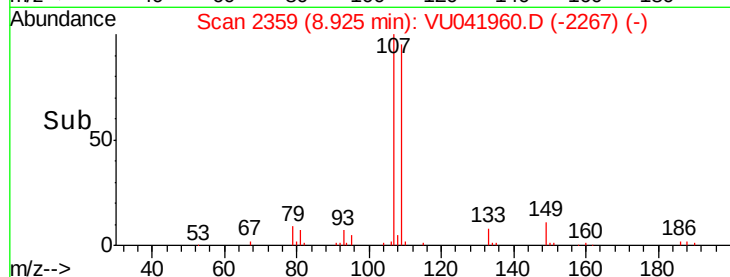
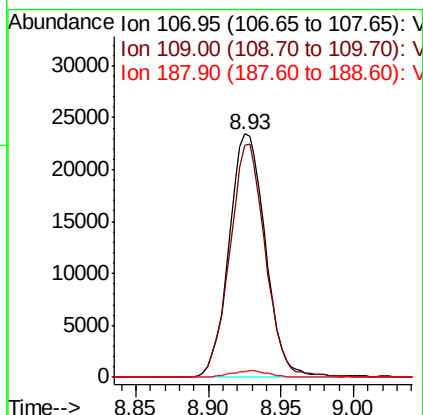
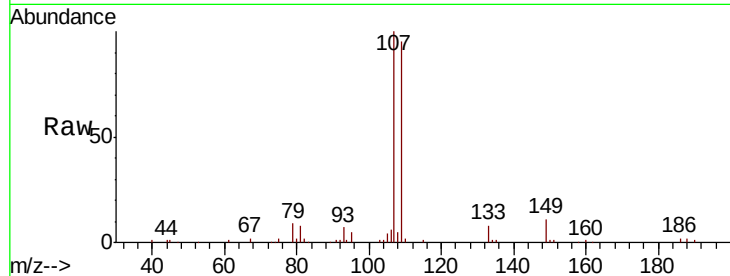




#50
 1,2-Dibromoethane
 Concen: 5.616 ug/L
 RT: 8.93 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: VU041960.D
 Acq: 12 Jan 2021 07:23

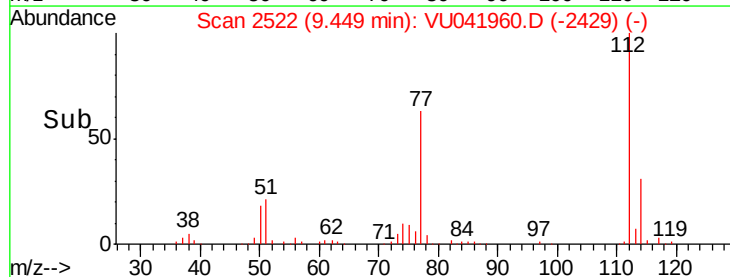
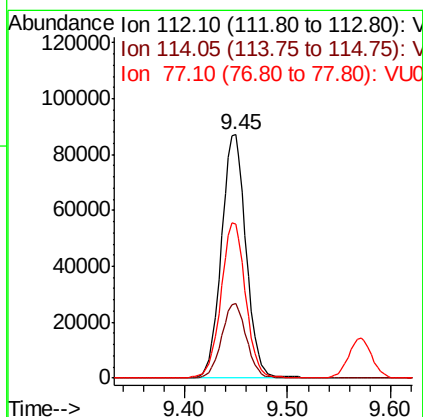
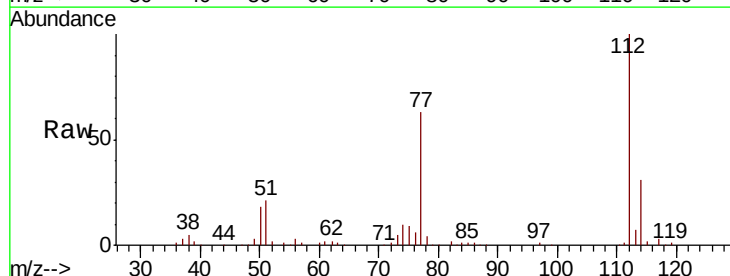
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

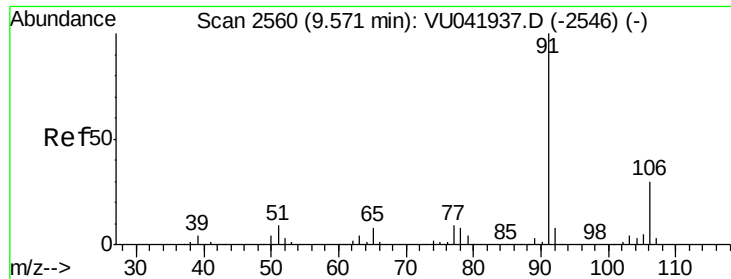
Tot Ion:107 Resp: 40720
 Ion Ratio Lower Upper
 107 100
 109 95.3 68.5 127.1
 188 2.4 2.6 4.0#



#51
 Chlorobenzene
 Concen: 5.523 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041960.D
 Acq: 12 Jan 2021 07:23

Tgt Ion:112 Resp: 144494
 Ion Ratio Lower Upper
 112 100
 114 30.6 21.5 39.9
 77 63.5 47.3 70.9

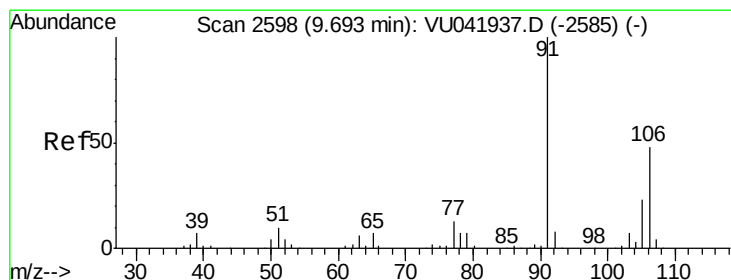
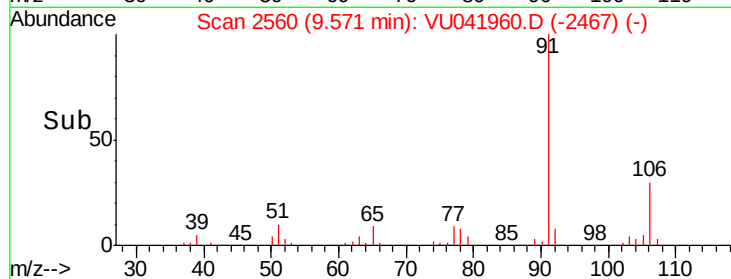
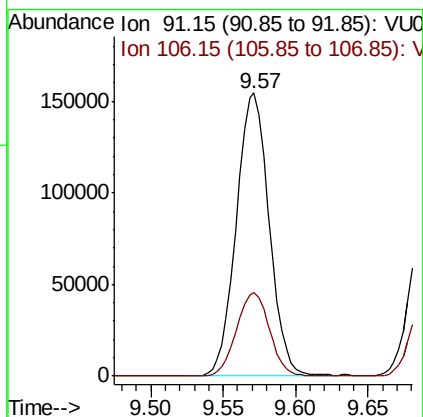
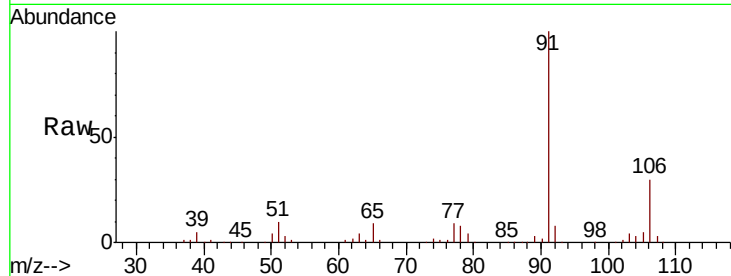




#52
Ethylbenzene
Concen: 5.573 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU041960.D
Acq: 12 Jan 2021 07:23

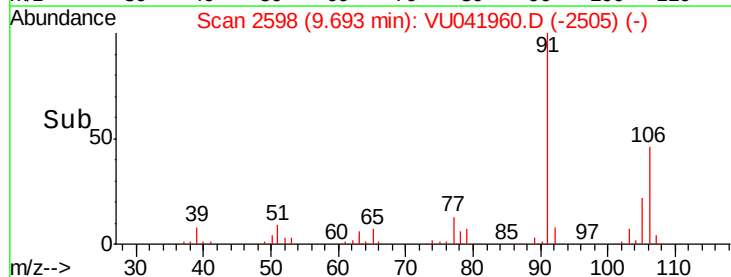
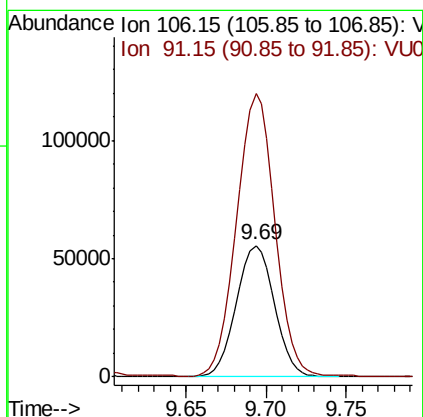
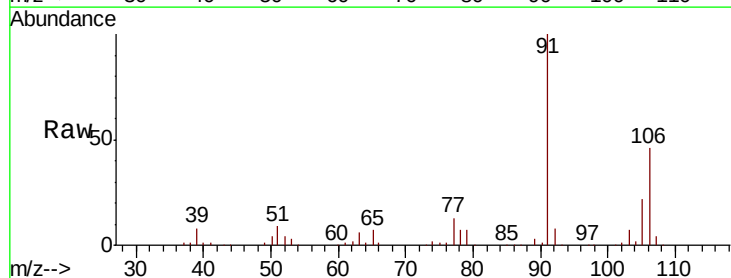
Instrument :
MSVOA_U
ClientSampled :
VSTD00515

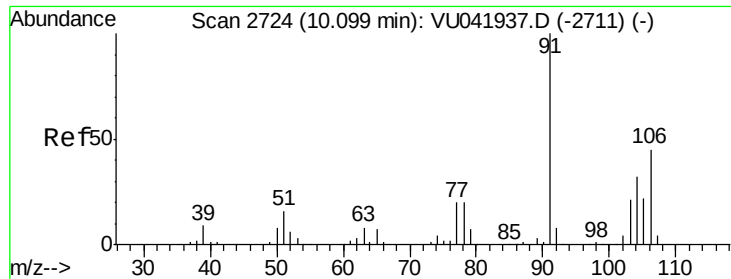
Tot Ion: 91 Resp: 243990
Ion Ratio Lower Upper
91 100
106 29.6 21.1 39.1



#53
m,p-Xylene
Concen: 5.568 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU041960.D
Acq: 12 Jan 2021 07:23

Tgt Ion: 106 Resp: 90247
Ion Ratio Lower Upper
106 100
91 215.1 147.2 273.4

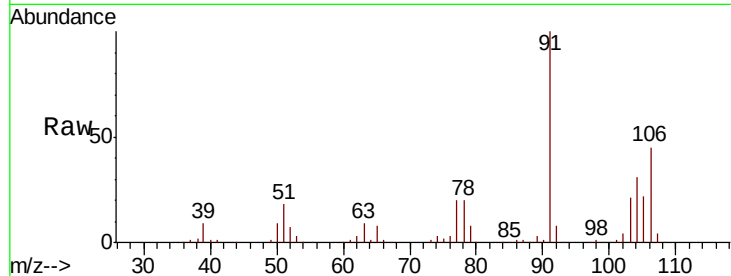




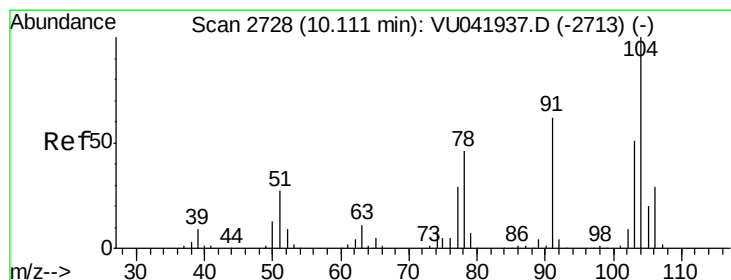
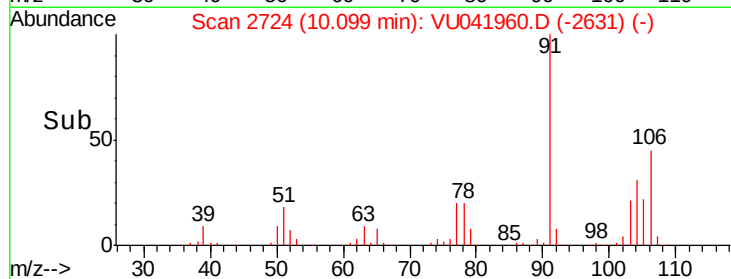
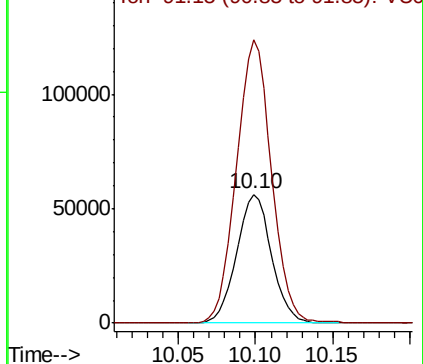
#54
o-Xylene
Concen: 5.607 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041960.D
Acq: 12 Jan 2021 07:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Tot Ion:106 Resp: 87828
Ion Ratio Lower Upper
106 100
91 220.2 147.3 273.6

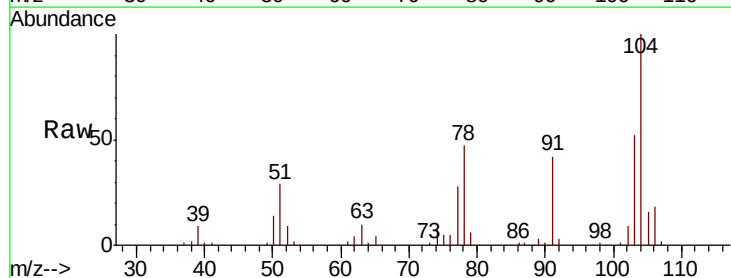


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

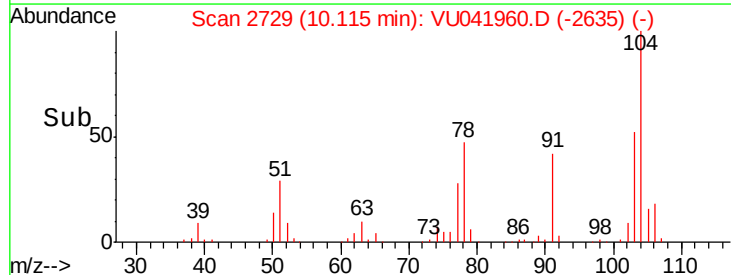
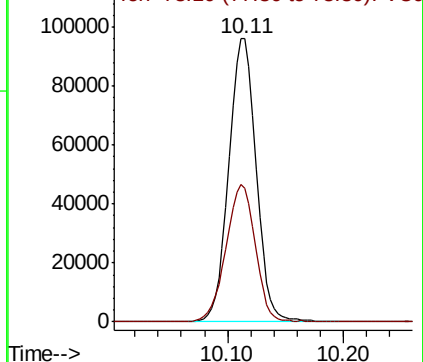


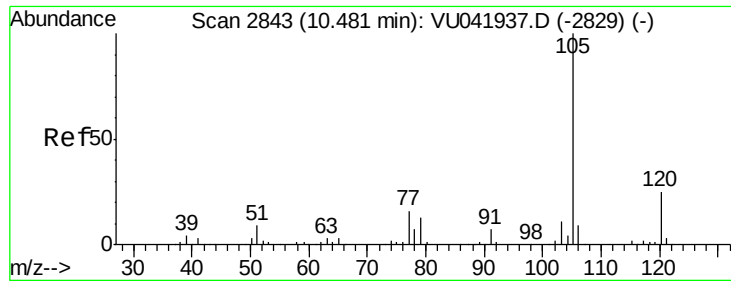
#55
Styrene
Concen: 5.726 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041960.D
Acq: 12 Jan 2021 07:23

Tgt Ion:104 Resp: 155909
Ion Ratio Lower Upper
104 100
78 47.4 33.3 61.9



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





#56

Isopropylbenzene

Concen: 5.439 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041960.D

Acq: 12 Jan 2021 07:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

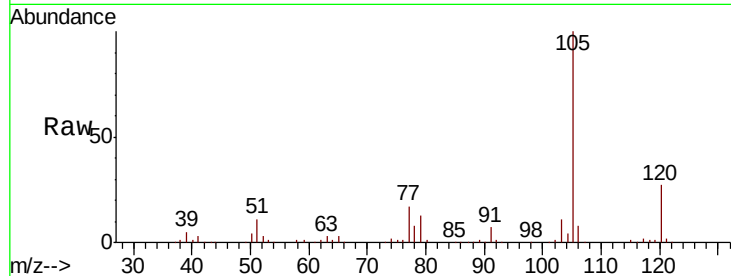
Tot Ion:105 Resp: 228773

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.6

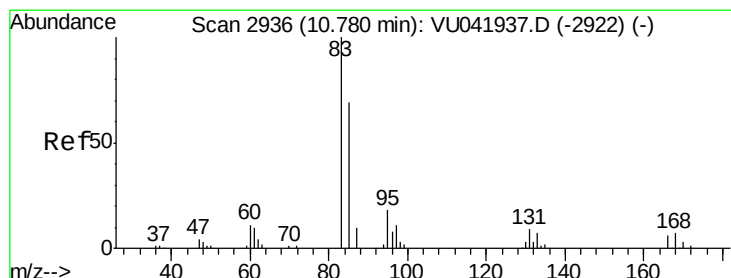
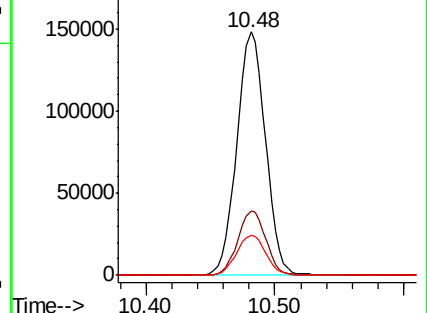
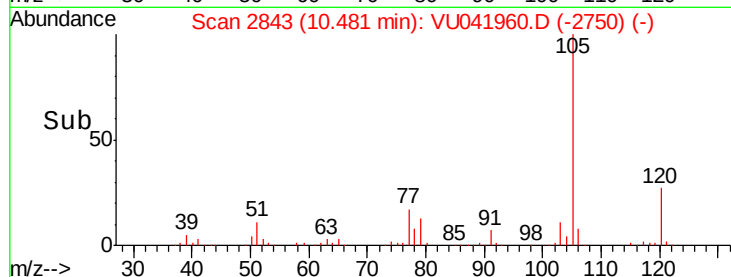
77 16.8 13.0 19.6



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: 5.848 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041960.D

Acq: 12 Jan 2021 07:23

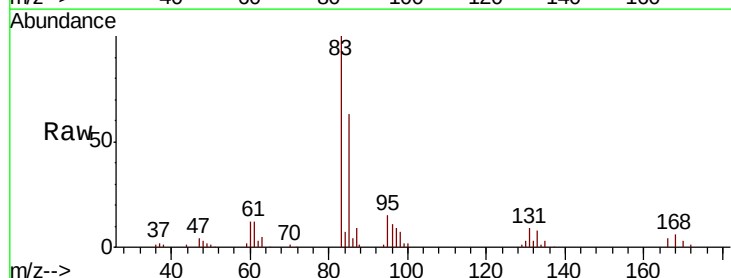
Tgt Ion: 83 Resp: 58777

Ion Ratio Lower Upper

83 100

85 63.1 45.4 84.2

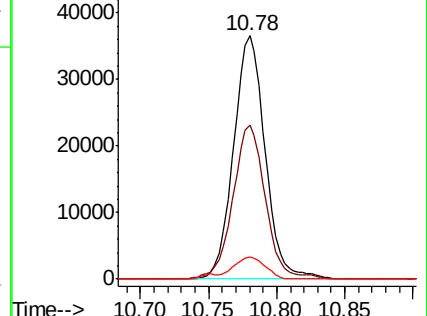
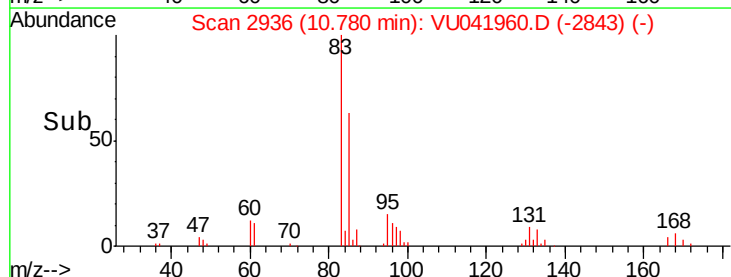
131 9.2 7.4 11.2

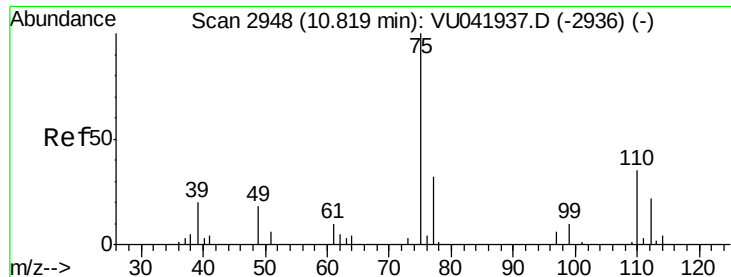


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

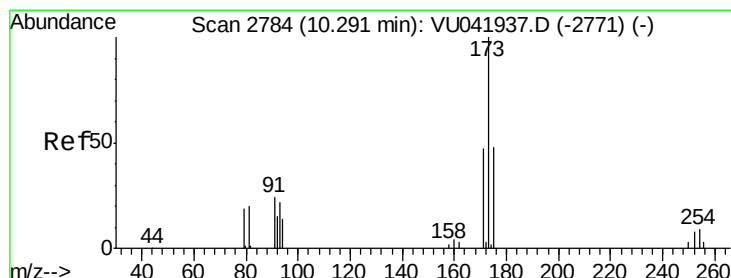
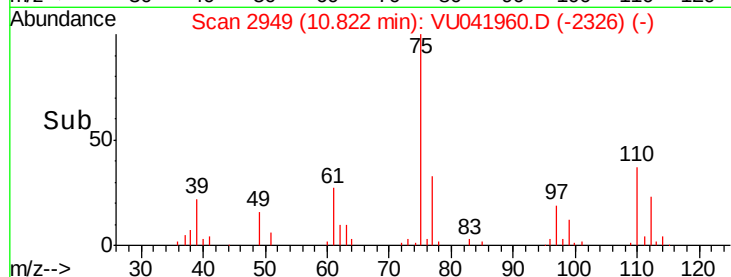
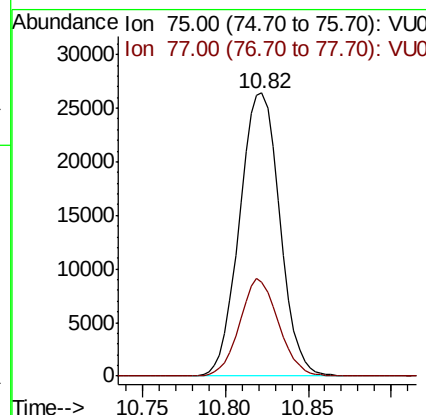
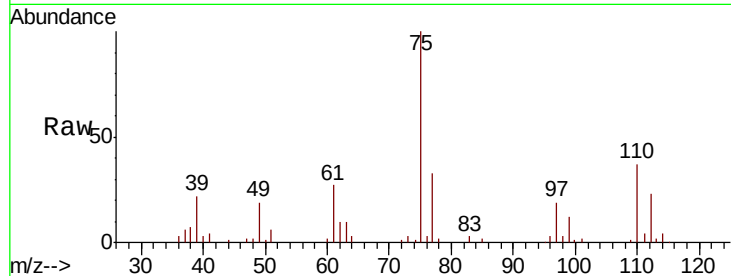




#59
 1,2,3-Trichloropropane
 Concen: 6.089 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU041960.D
 Acq: 12 Jan 2021 07:23

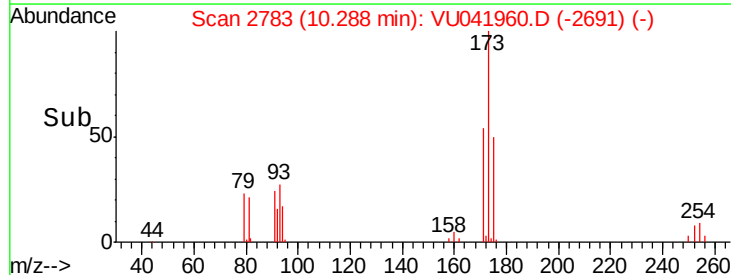
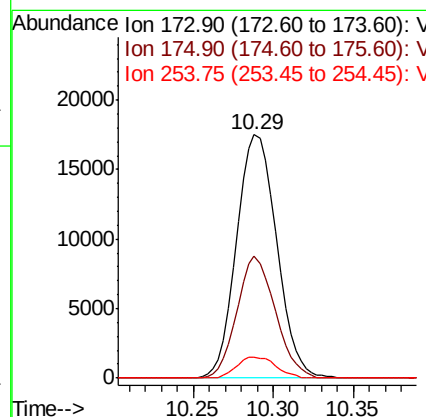
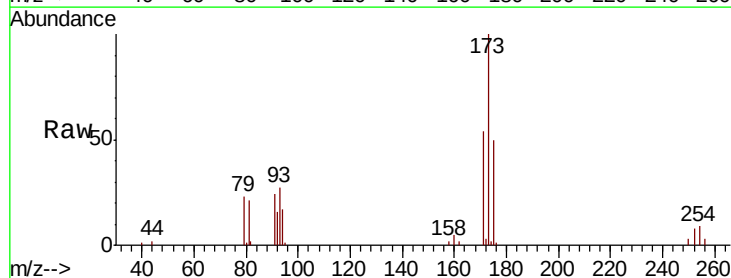
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

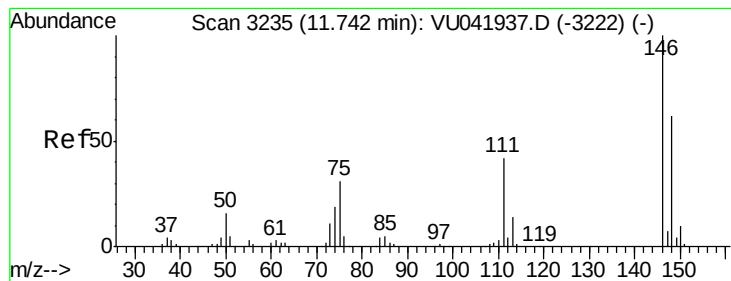
Tot Ion: 75 Resp: 44616
 Ion Ratio Lower Upper
 75 100
 77 33.0 27.0 40.4



#61
 Bromoform
 Concen: 6.213 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU041960.D
 Acq: 12 Jan 2021 07:23

Tgt Ion: 173 Resp: 29931
 Ion Ratio Lower Upper
 173 100
 175 47.5 36.1 54.1
 254 8.3 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 5.067 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU041960.D

Acq: 12 Jan 2021 07:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

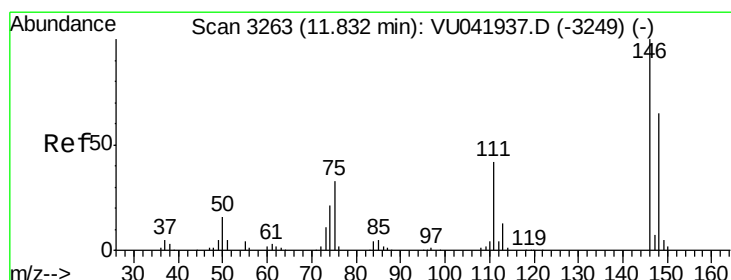
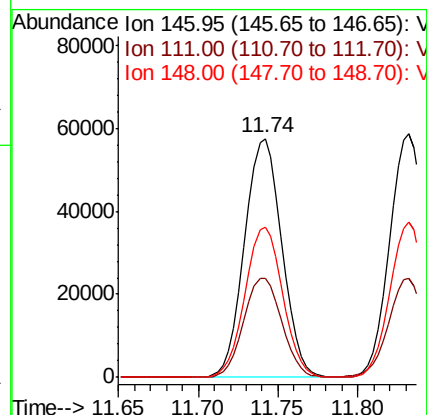
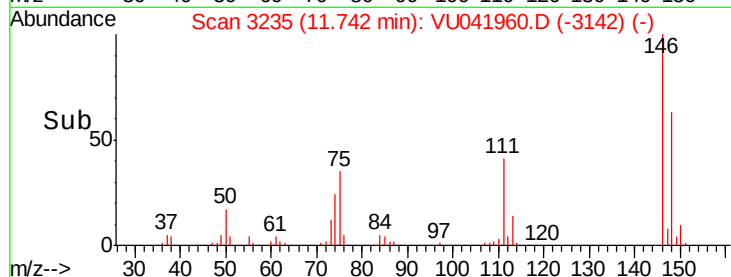
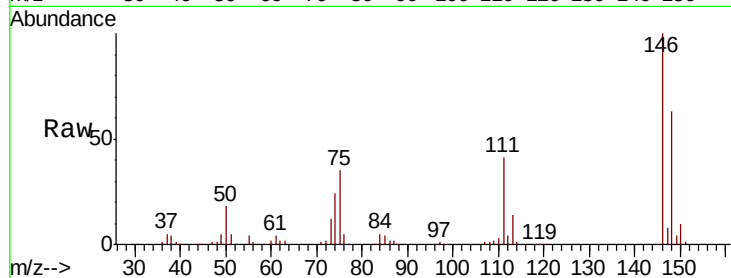
Tot Ion:146 Resp: 91427

Ion	Ratio	Lower	Upper
146	100		
111	41.5	28.7	53.3
148	63.1	43.2	80.2

146 100

111 41.5 28.7 53.3

148 63.1 43.2 80.2



#63

1,4-Dichlorobenzene

Concen: 5.155 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041960.D

Acq: 12 Jan 2021 07:23

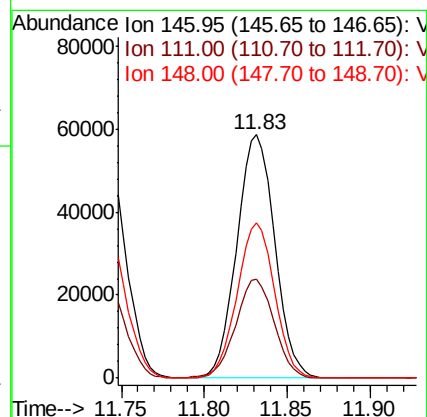
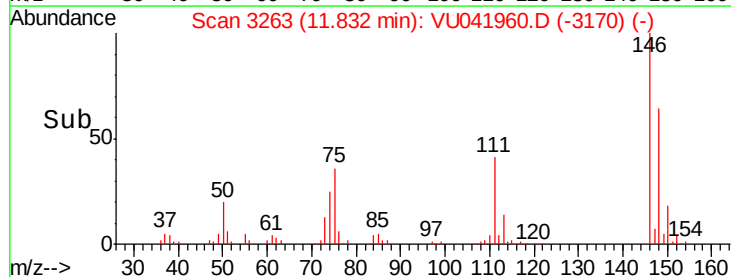
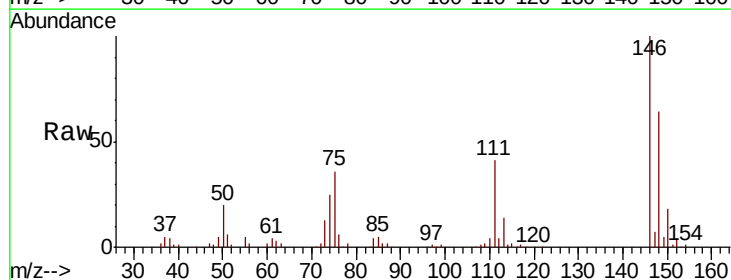
Tgt Ion:146 Resp: 93360

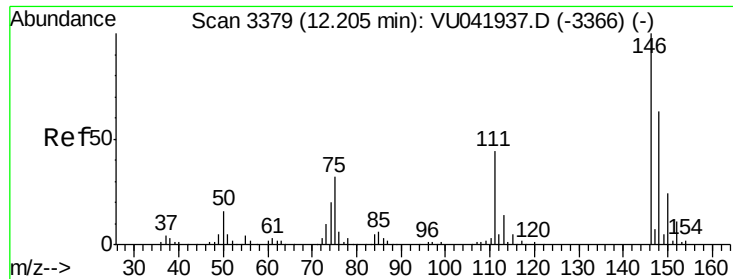
Ion	Ratio	Lower	Upper
146	100		
111	40.6	28.4	52.8
148	64.0	44.0	81.8

146 100

111 40.6 28.4 52.8

148 64.0 44.0 81.8

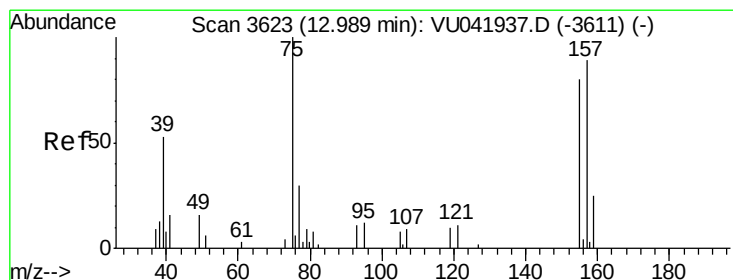
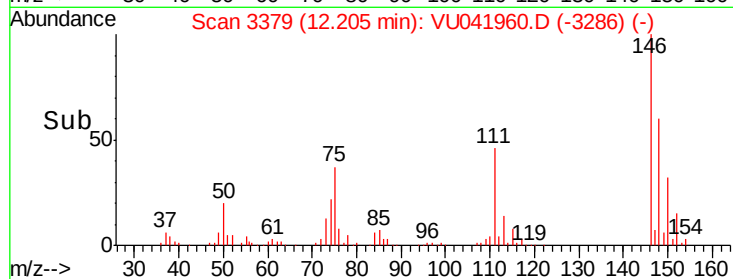
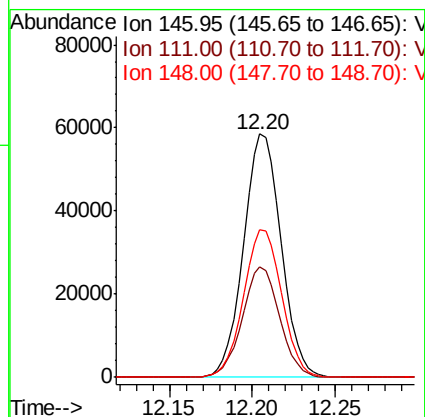
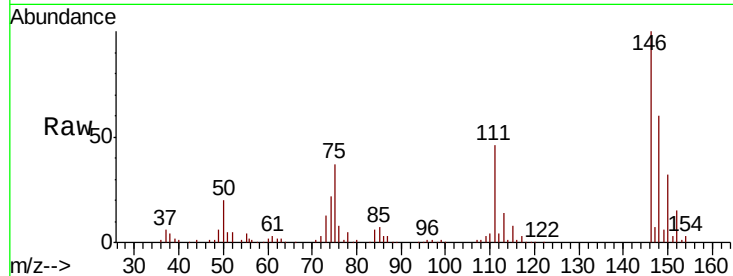




#65
 1,2-Dichlorobenzene
 Concen: 5.314 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU041960.D
 Acq: 12 Jan 2021 07:23

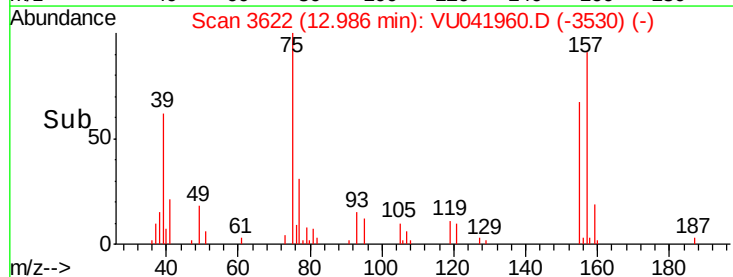
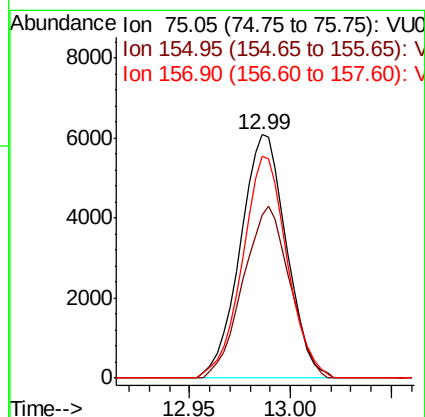
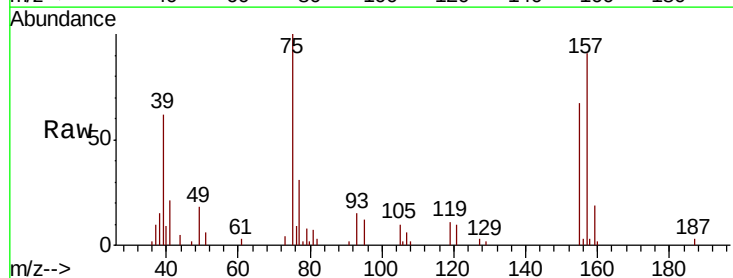
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

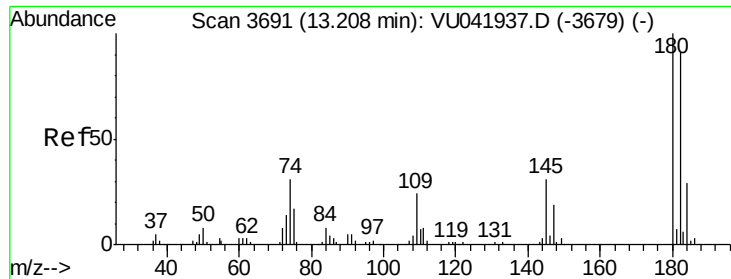
Tot Ion:146 Resp: 92297
 Ion Ratio Lower Upper
 146 100
 111 45.5 32.4 48.6
 148 60.5 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 6.176 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU041960.D
 Acq: 12 Jan 2021 07:23

Tgt Ion: 75 Resp: 9743
 Ion Ratio Lower Upper
 75 100
 155 67.2 60.6 91.0
 157 91.0 81.0 121.6

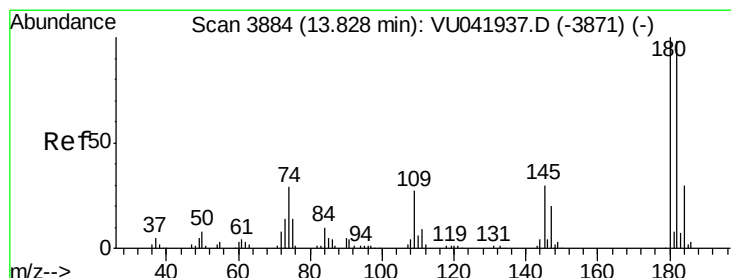
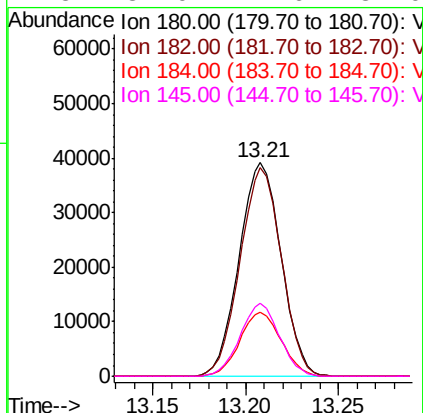
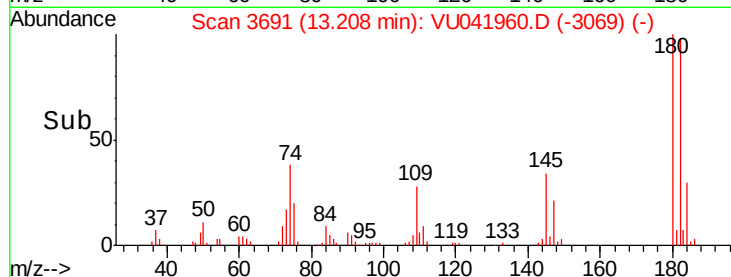
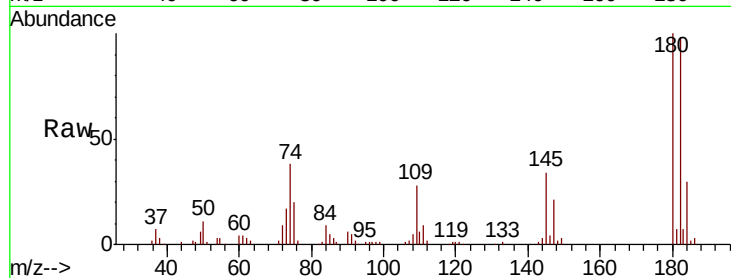




#67
 1,3,5-Trichlorobenzene
 Concen: 4.695 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041960.D
 Acq: 12 Jan 2021 07:23

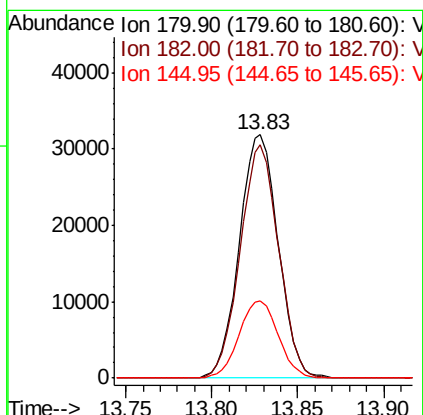
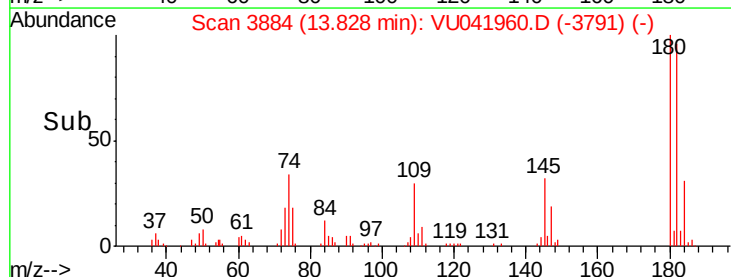
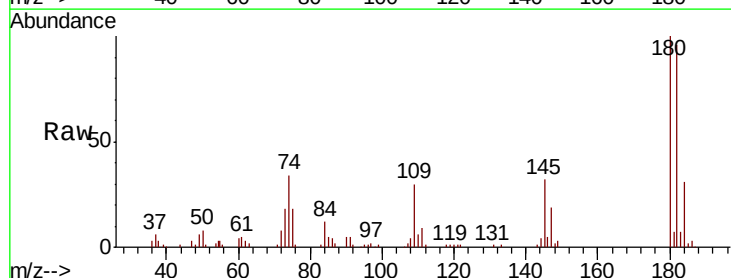
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

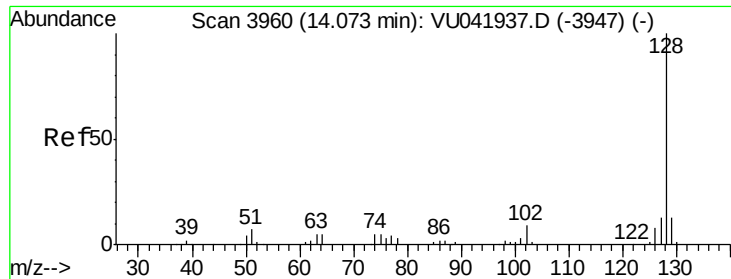
Tot Ion:180	Resp:	61850	
Ion	Ratio	Lower	Upper
180	100		
182	96.2	74.6	111.8
184	29.3	23.8	35.6
145	32.0	24.6	37.0



#68
 1,2,4-trichlorobenzene
 Concen: 5.042 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041960.D
 Acq: 12 Jan 2021 07:23

Tgt Ion:180	Resp:	50064
Ion Ratio	Lower	Upper
180 100		
182 94.4	77.2	115.8
145 32.0	23.8	35.6





#69

Naphthalene

Concen: 5.841 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. 0.00 min

Lab File: VU041960.D

Acq: 12 Jan 2021 07:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

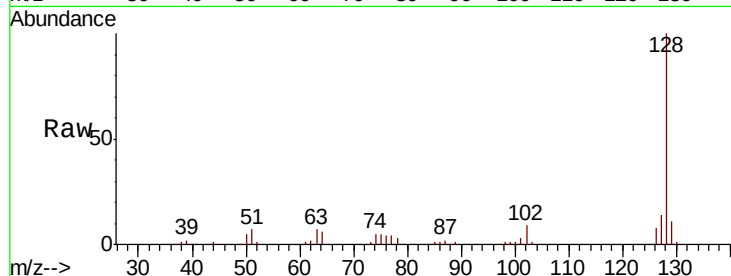
Tot Ion:128 Resp: 98349

Ion Ratio Lower Upper

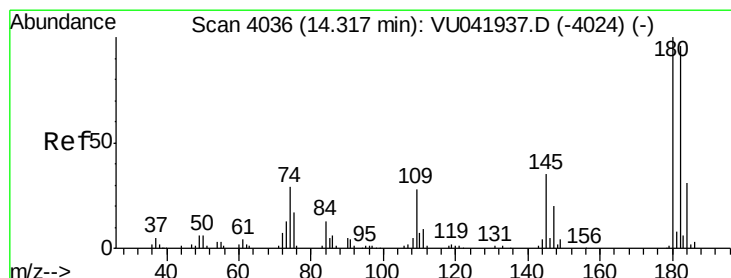
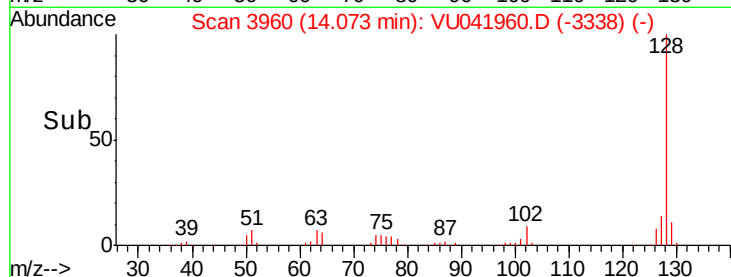
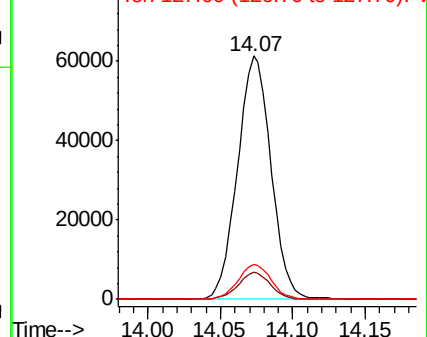
128 100

129 10.6 8.6 12.8

127 14.1 10.7 16.1



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: 5.241 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041960.D

Acq: 12 Jan 2021 07:23

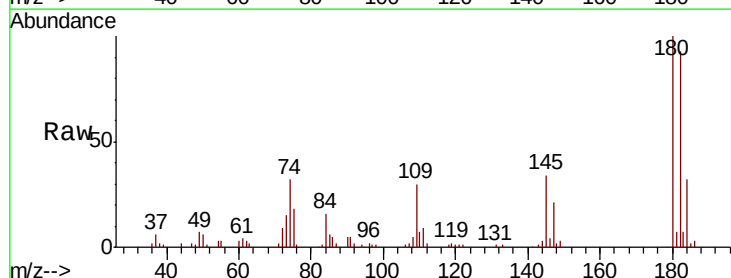
Tgt Ion:180 Resp: 49204

Ion Ratio Lower Upper

180 100

182 94.2 77.0 115.4

145 34.4 27.0 40.6



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

