

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100920\
 Data File : VU040599.D
 Acq On : 09 Oct 2020 21:27
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Quant Time: Oct 10 04:24:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 10 04:13:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	135838	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	136554	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	72271	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	51538	4.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.60%
7) Chloroethane-d5	1.92	69	41210	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.58	63	103185	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.80%
20) 2-Butanone-d5	4.65	46	192378	53.41	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.82%
24) Chloroform-d	5.08	84	99783	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.72	65	59633	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.74	84	186309	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.70	67	61902	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.91	98	170007	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
43) trans-1,3-Dichloropropene-	8.19	79	26294	5.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.60%
46) 2-Hexanone-d5	8.64	63	142556	53.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.82%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	55401	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	66314	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	57294	4.655	ug/L	99
3) Chloromethane	1.53	50	54591	4.743	ug/L	95
5) Vinyl chloride	1.61	62	56761	4.683	ug/L	100
6) Bromomethane	1.87	94	30546	4.641	ug/L	93
8) Chloroethane	1.94	64	35292	4.573	ug/L	100
9) Trichlorofluoromethane	2.15	101	83916	4.821	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	52472	4.644	ug/L	97
12) 1,1-Dichloroethene	2.59	96	46602	4.808	ug/L	97
13) Acetone	2.66	43	121551	43.536	ug/L	99
14) Carbon disulfide	2.81	76	126014	4.645	ug/L	97
15) Methyl Acetate	2.97	43	29620	4.646	ug/L	99
16) Methylene chloride	3.06	84	56340	4.527	ug/L	95
17) Methyl tert-butyl Ether	3.38	73	132682	4.841	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	48329	4.763	ug/L	99
19) 1,1-Dichloroethane	3.89	63	103302	4.923	ug/L	98
21) 2-Butanone	4.74	43	210171	48.284	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	54084	4.943	ug/L	97

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 Data File : VU040599.D
 Acq On : 09 Oct 2020 21:27
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Quant Time: Oct 10 04:24:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 10 04:13:39 2020
 Response via : Initial Calibration

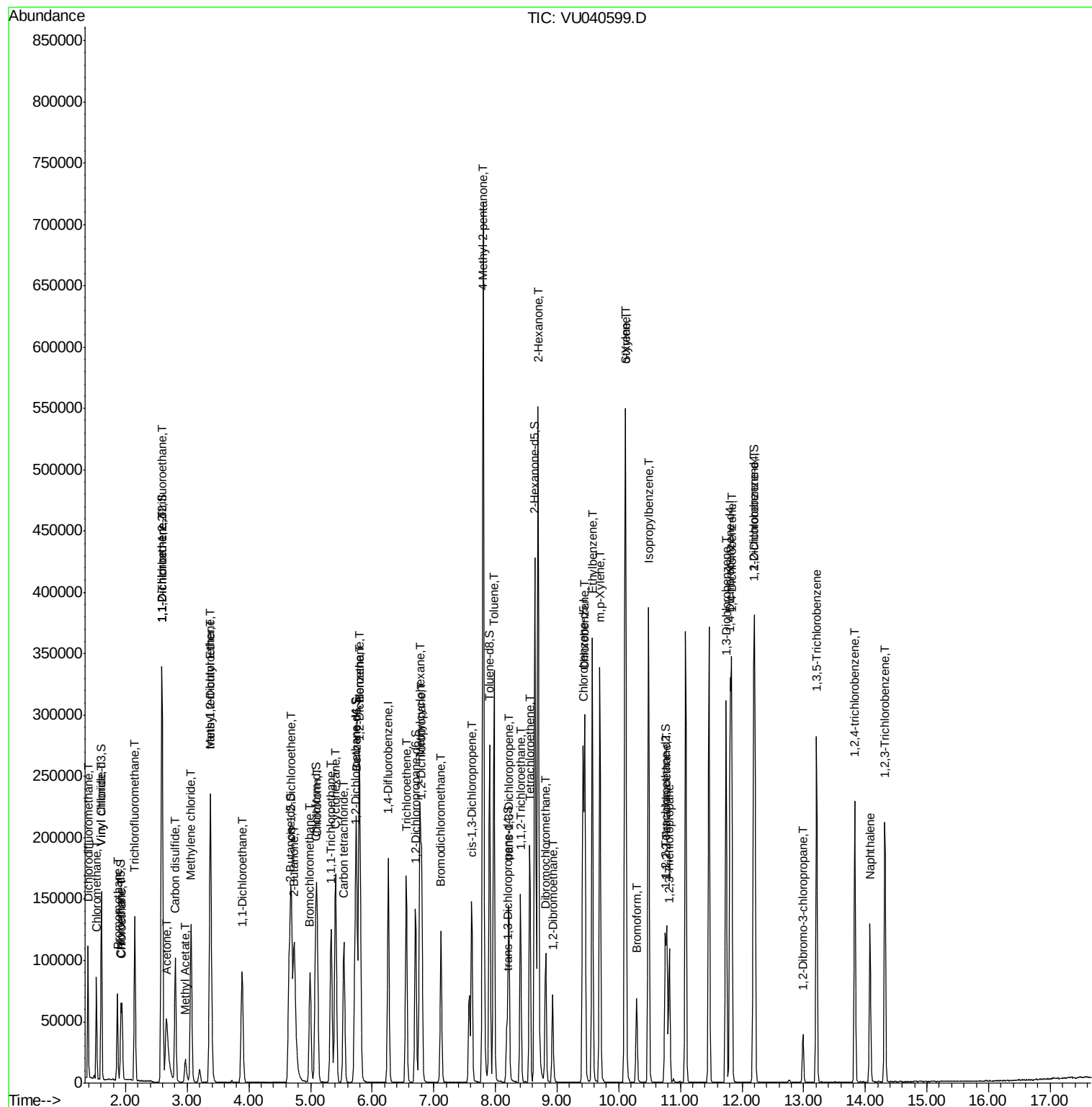
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	26373	4.852	ug/L	98
25) Chloroform	5.11	83	107298	5.009	ug/L	97
27) 1,2-Dichloroethane	5.81	62	75178	4.958	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	89454	4.875	ug/L	99
30) Cyclohexane	5.40	56	80208	4.743	ug/L	98
31) Carbon tetrachloride	5.54	117	74659	4.754	ug/L	98
33) Benzene	5.79	78	219173	4.996	ug/L	100
34) Trichloroethene	6.55	95	55831	4.910	ug/L	96
35) Methylcyclohexane	6.77	83	73793	4.576	ug/L	98
37) 1,2-Dichloropropane	6.80	63	60070	4.914	ug/L	100
38) Bromodichloromethane	7.12	83	77069	4.932	ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	77185	4.622	ug/L	95
40) 4-Methyl-2-pentanone	7.80	43	488034	50.079	ug/L	100
42) Toluene	7.98	91	228074	5.102	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	74211	4.827	ug/L	96
45) 1,1,2-Trichloroethane	8.41	97	45064	4.922	ug/L	97
47) Tetrachloroethene	8.56	164	39561	4.876	ug/L	96
48) 2-Hexanone	8.69	43	367648	50.671	ug/L	99
49) Dibromochloromethane	8.82	129	53121	5.043	ug/L	99
50) 1,2-Dibromoethane	8.93	107	42120	4.850	ug/L	100
51) Chlorobenzene	9.45	112	145991	4.958	ug/L	99
52) Ethylbenzene	9.57	91	239439	4.949	ug/L	99
53) m,p-Xylene	9.69	106	90840	5.151	ug/L	96
54) o-Xylene	10.10	106	87250	5.145	ug/L	97
55) Styrene	10.11	104	155183	5.269	ug/L	100
56) Isopropylbenzene	10.48	105	233861	5.123	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	57952	4.821	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	43217	4.813	ug/L	100
61) Bromoform	10.29	173	29300	4.729	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	116705	4.934	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	120031	4.921	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	115331	4.987	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	9650	4.766	ug/L	97
67) 1,3,5-Trichlorobenzene	13.21	180	78003	4.648	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	62610	4.828	ug/L	99
69) Naphthalene	14.08	128	99128	4.673	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	59632	4.952	ug/L	99

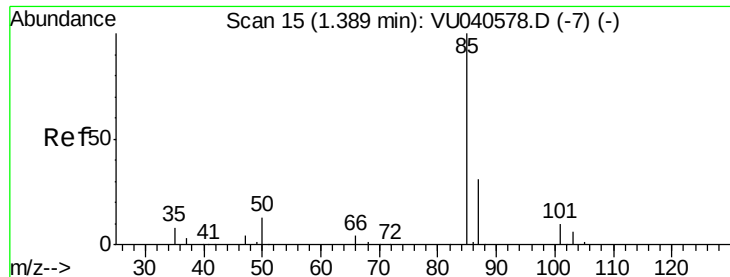
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VU040599.D
Acq On : 09 Oct 2020 21:27
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Quant Time: Oct 10 04:24:31 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0
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#2

Dichlorodifluoromethane

Concen: 4.655 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040599.D

Acq: 09 Oct 2020 21:27

Instrument :

MSVOA_U

ClientSampleId :

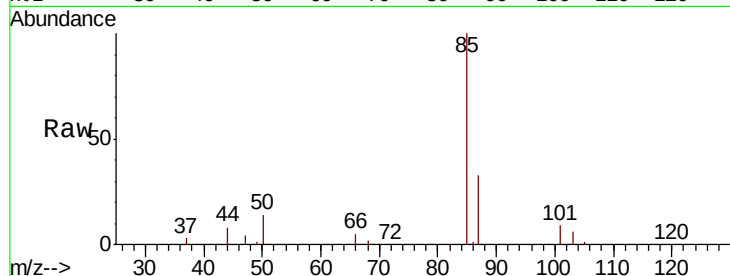
VSTD00524

Tot Ion: 85 Resp: 57294

Ion Ratio Lower Upper

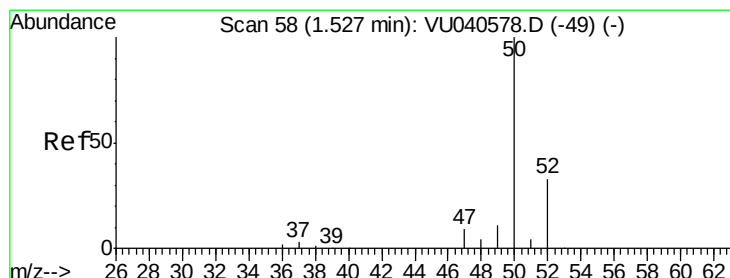
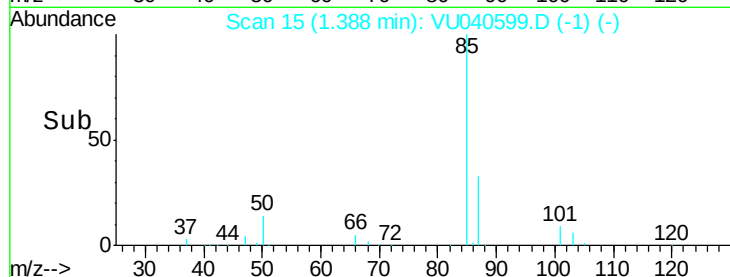
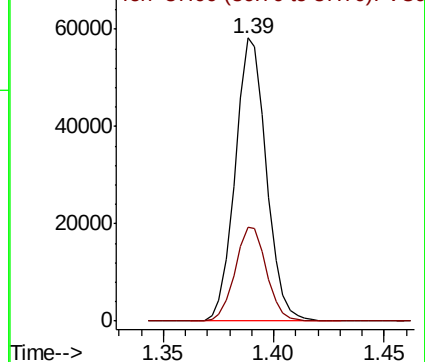
85 100

87 33.3 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.743 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040599.D

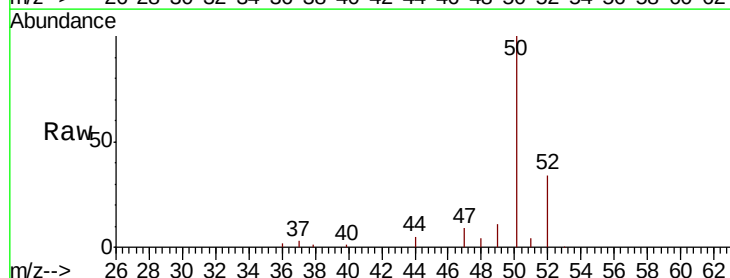
Acq: 09 Oct 2020 21:27

Tgt Ion: 50 Resp: 54591

Ion Ratio Lower Upper

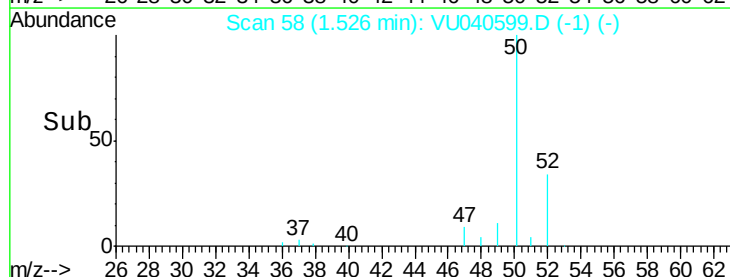
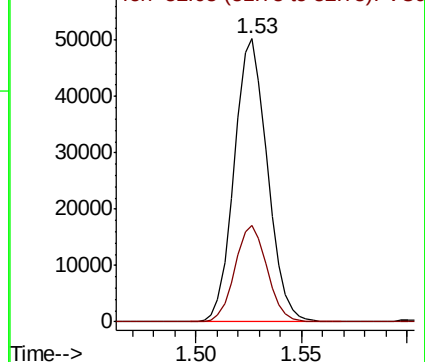
50 100

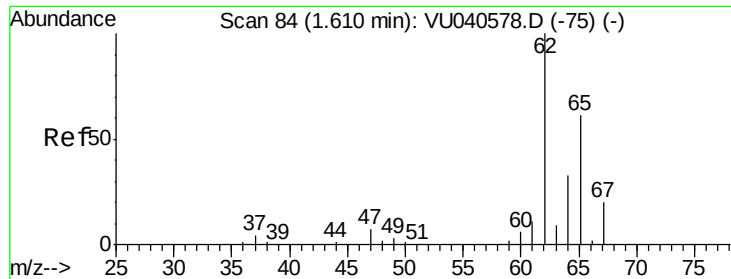
52 34.3 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.683 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040599.D

Acq: 09 Oct 2020 21:27

Instrument :

MSVOA_U

ClientSampleId :

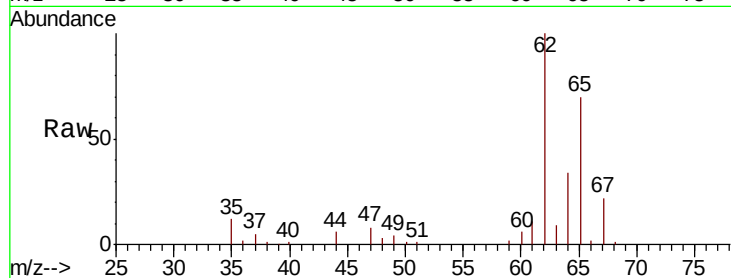
VSTD00524

Tot Ion: 62 Resp: 56761

Ion Ratio Lower Upper

62 100

64 33.7 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

50000

40000

30000

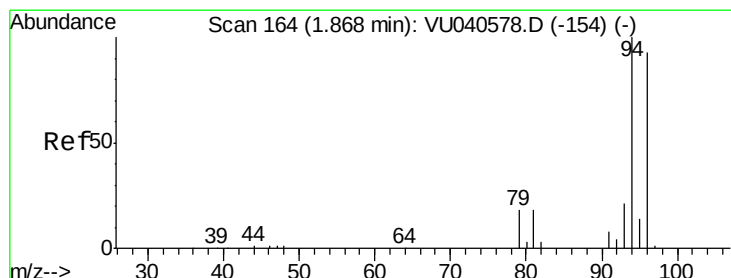
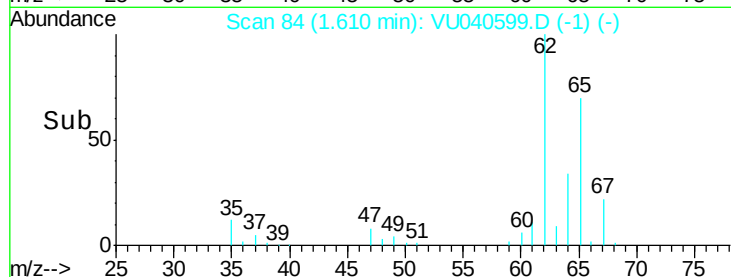
20000

10000

0

Time-->

1.55 1.60 1.65



#6

Bromomethane

Concen: 4.641 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040599.D

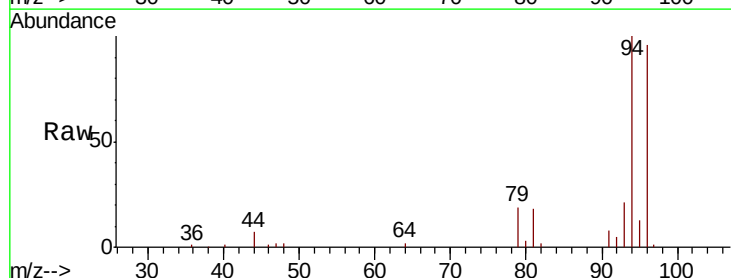
Acq: 09 Oct 2020 21:27

Tgt Ion: 94 Resp: 30546

Ion Ratio Lower Upper

94 100

96 95.7 62.1 115.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

25000

20000

15000

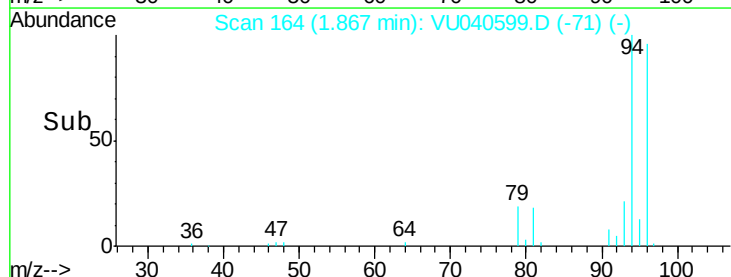
10000

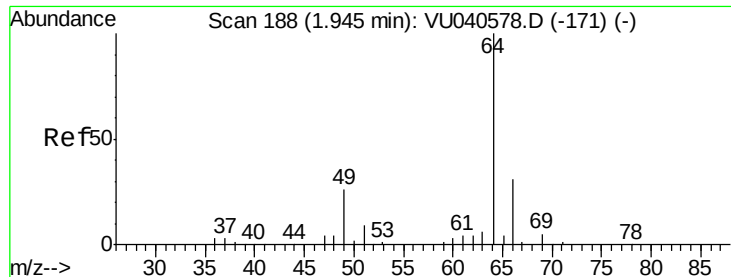
5000

0

Time-->

1.80 1.85 1.90





#8

Chloroethane

Concen: 4.573 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU040599.D

Acq: 09 Oct 2020 21:27

Instrument :

MSVOA_U

ClientSampleId :

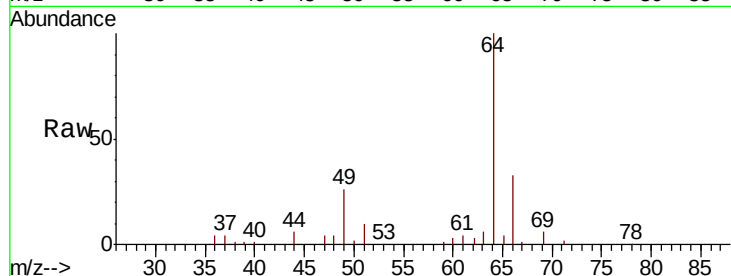
VSTD00524

Tot Ion: 64 Resp: 35292

Ion Ratio Lower Upper

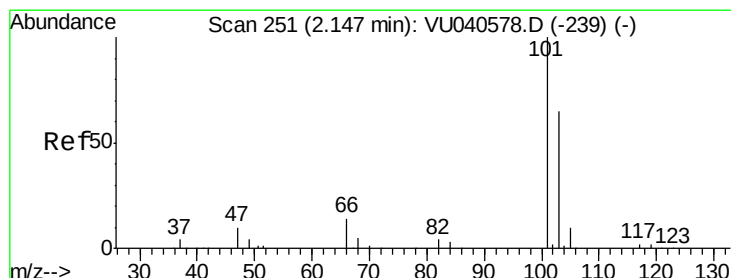
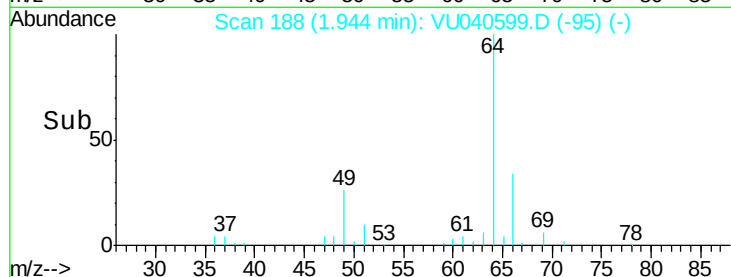
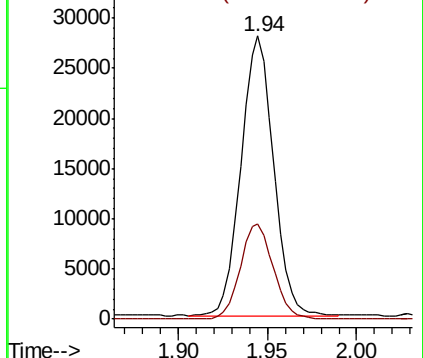
64 100

66 33.4 23.3 43.3



Abundance Ion 64.10 (63.80 to 64.80): VU040578.D (-171) (-)

Ion 66.05 (65.75 to 66.75): VU040578.D (-171) (-)



#9

Trichlorofluoromethane

Concen: 4.821 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU040599.D

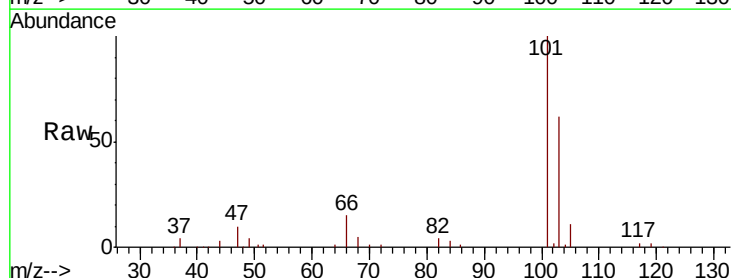
Acq: 09 Oct 2020 21:27

Tgt Ion: 101 Resp: 83916

Ion Ratio Lower Upper

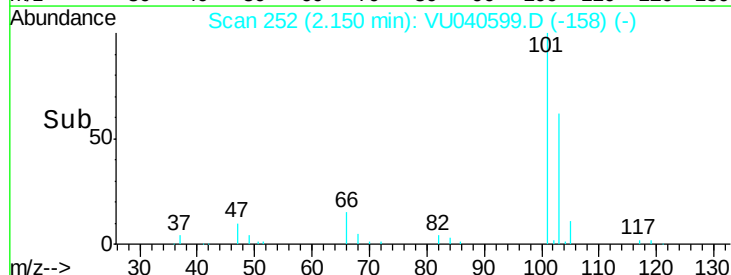
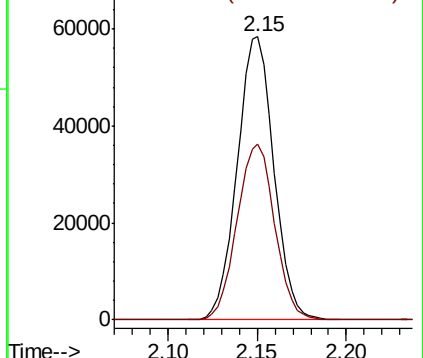
101 100

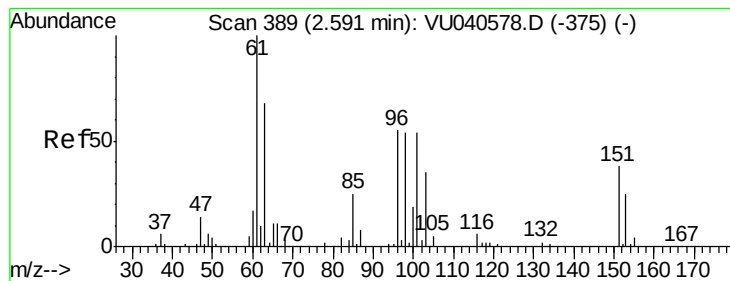
103 63.7 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU040578.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU040578.D (-239) (-)





#10

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

Concen: 4.644 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040599.D

Acq: 09 Oct 2020 21:27

Instrument :

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ClientSampleId :

VSTD00524

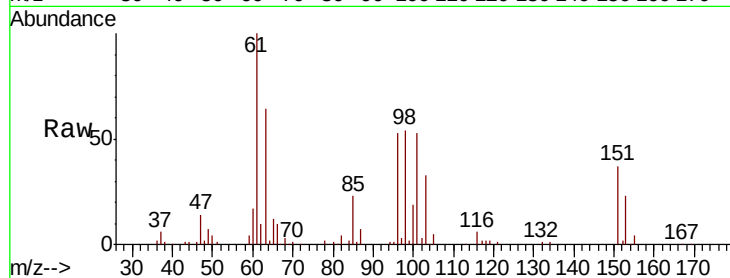
Tot Ion:101 Resp: 52472

Ion Ratio Lower Upper

101 100

85 44.5 36.7 55.1

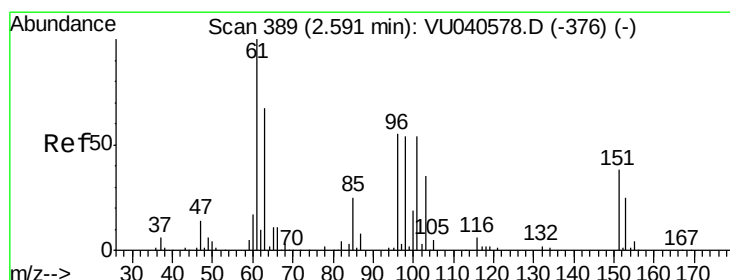
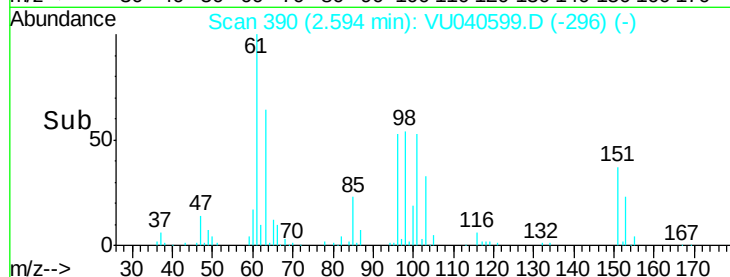
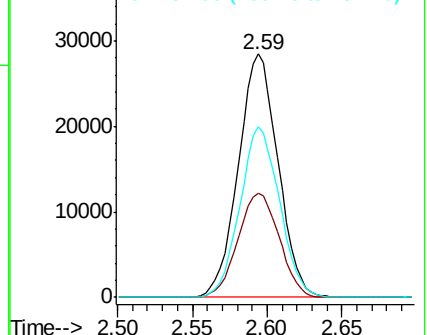
151 70.0 58.0 87.0



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: 4.808 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040599.D

Acq: 09 Oct 2020 21:27

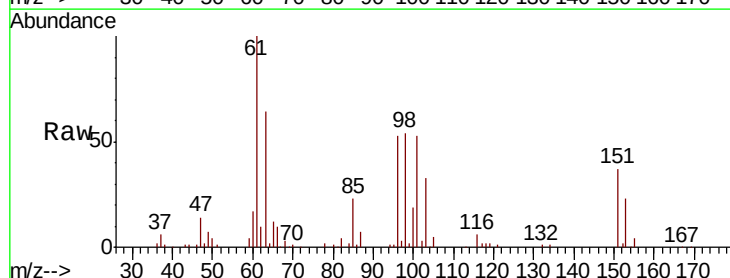
Tgt Ion: 96 Resp: 46602

Ion Ratio Lower Upper

96 100

61 189.4 128.8 239.2

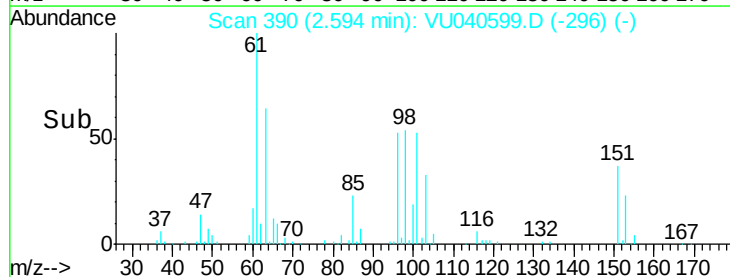
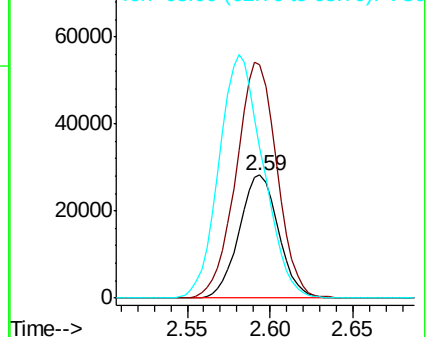
63 121.9 84.6 157.2

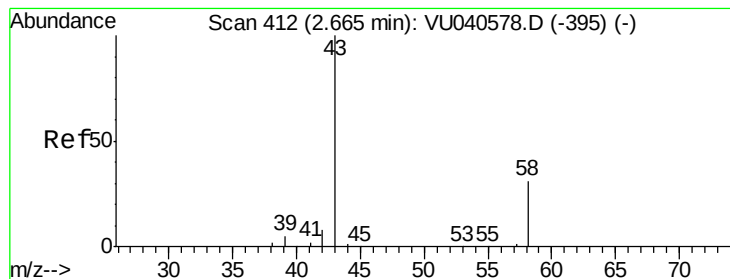


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 43.536 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.00 min

Lab File: VU040599.D

Acq: 09 Oct 2020 21:27

Instrument :

MSVOA_U

ClientSampleId :

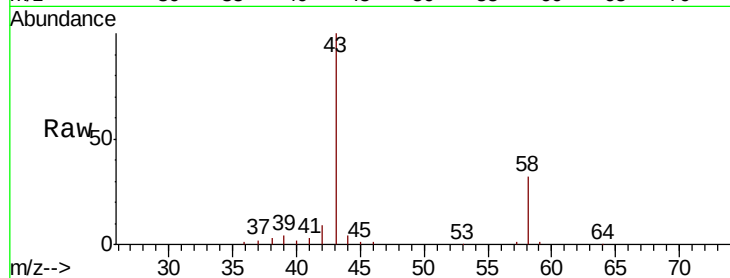
VSTD00524

Tot Ion: 43 Resp: 121551

Ion Ratio Lower Upper

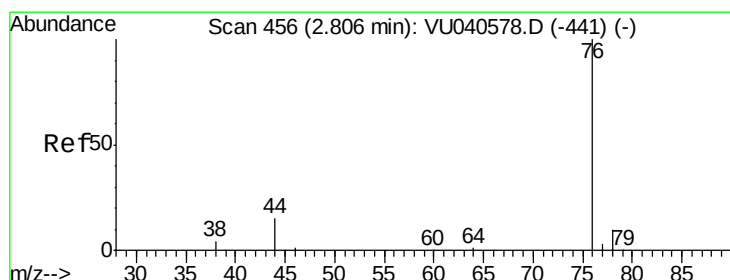
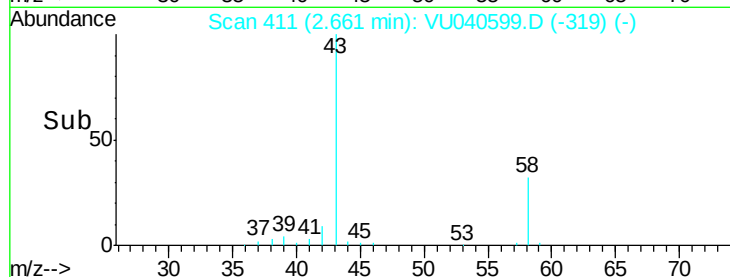
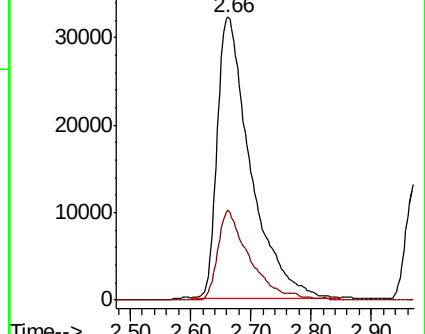
43 100

58 29.6 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040578.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU040578.D (-395) (-)



#14

Carbon disulfide

Concen: 4.645 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040599.D

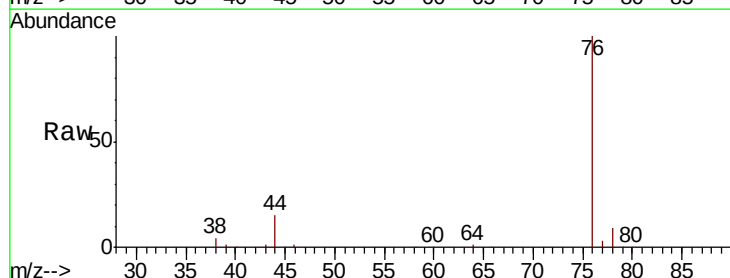
Acq: 09 Oct 2020 21:27

Tgt Ion: 76 Resp: 126014

Ion Ratio Lower Upper

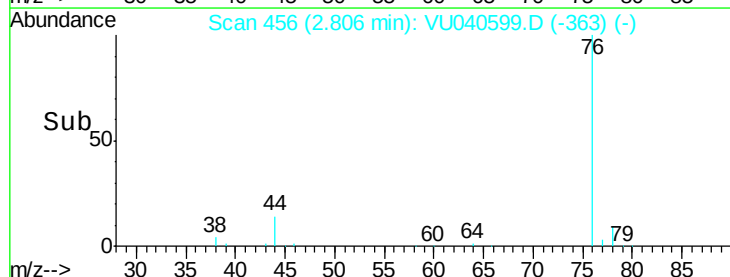
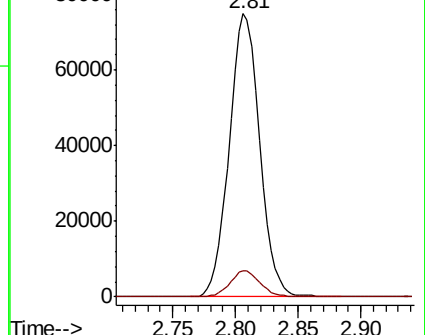
76 100

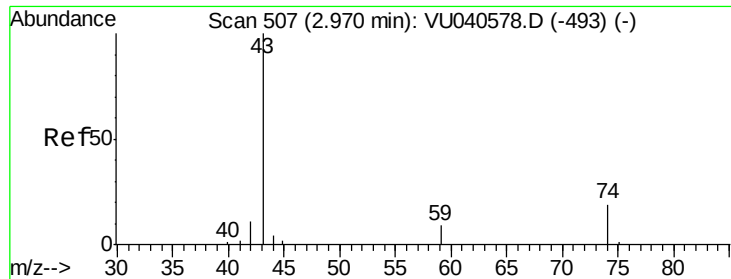
78 9.4 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU040578.D (-441) (-)

Ion 78.00 (77.70 to 78.70): VU040578.D (-441) (-)





#15

Methyl Acetate

Concen: 4.646 ug/L

RT: 2.97 min Scan# 507

Delta R.T. -0.00 min

Lab File: VU040599.D

Acq: 09 Oct 2020 21:27

Instrument :

MSVOA_U

ClientSampleId :

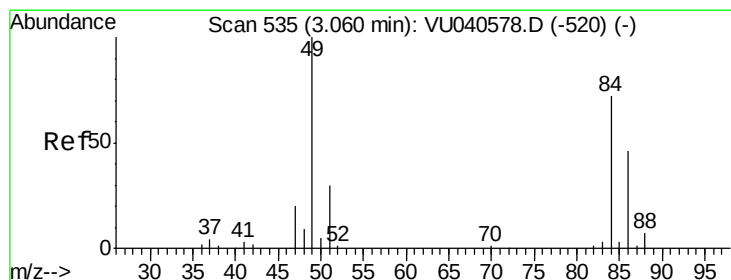
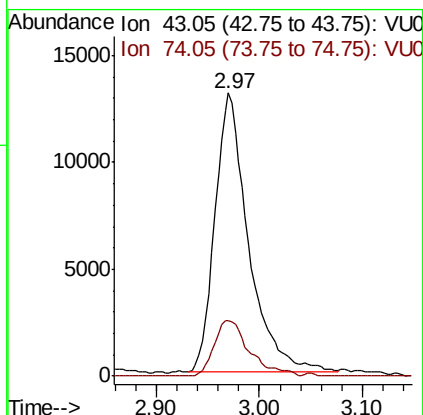
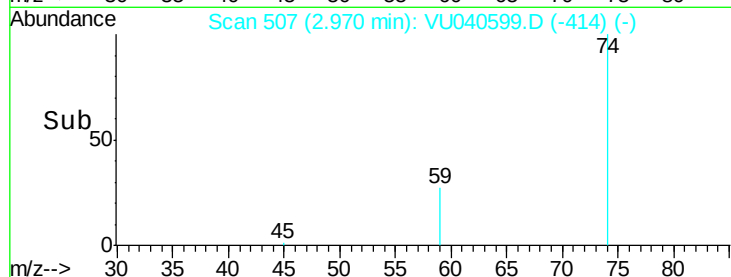
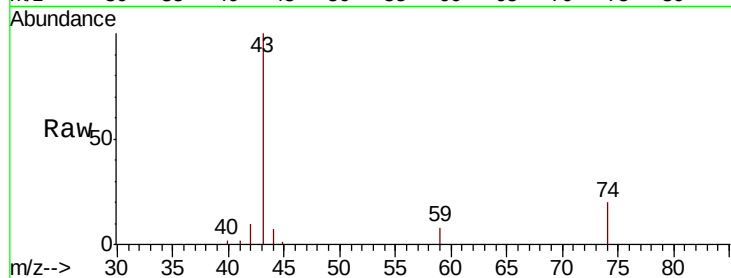
VSTD00524

Tot Ion: 43 Resp: 29620

Ion Ratio Lower Upper

43 100

74 20.9 16.5 24.7



#16

Methylene chloride

Concen: 4.527 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040599.D

Acq: 09 Oct 2020 21:27

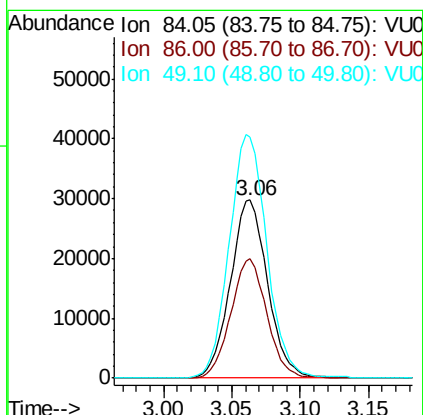
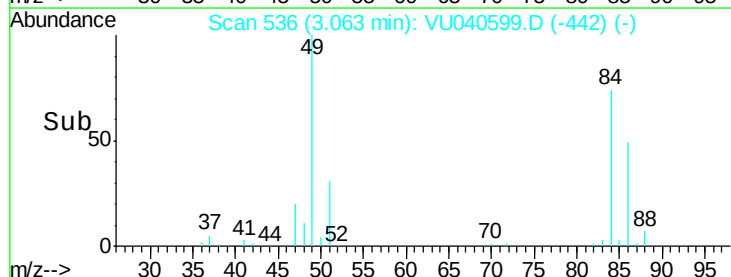
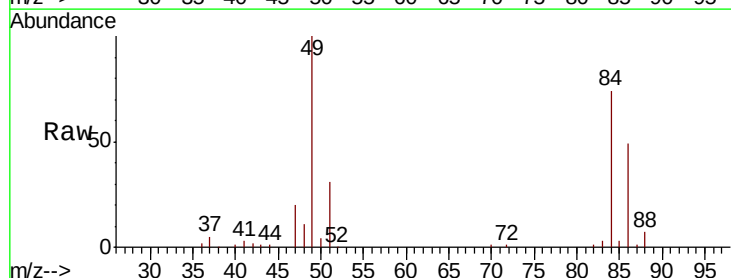
Tgt Ion: 84 Resp: 56340

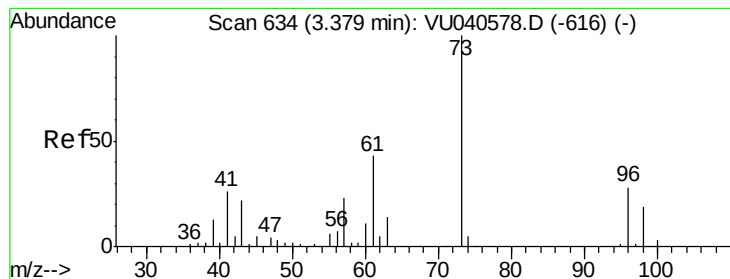
Ion Ratio Lower Upper

84 100

86 66.8 45.4 84.4

49 135.4 99.8 185.3



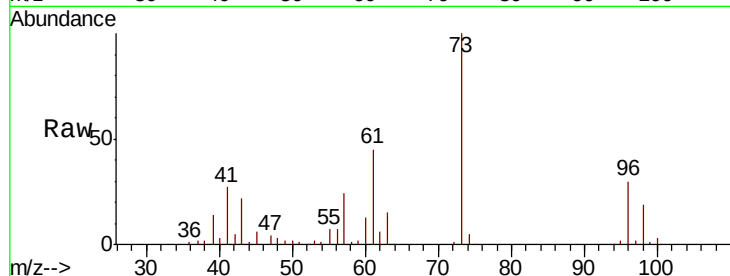


#17

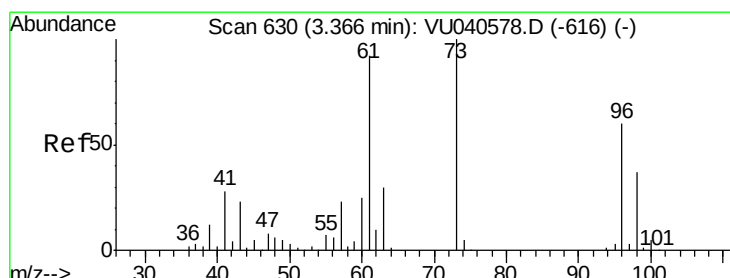
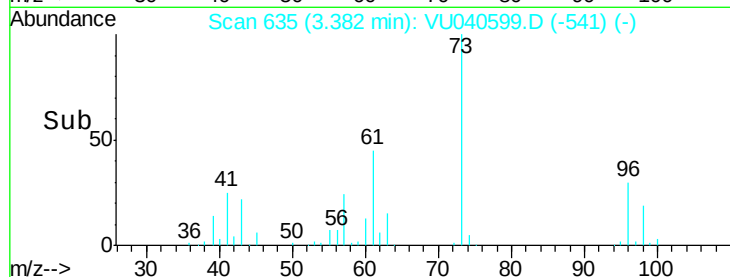
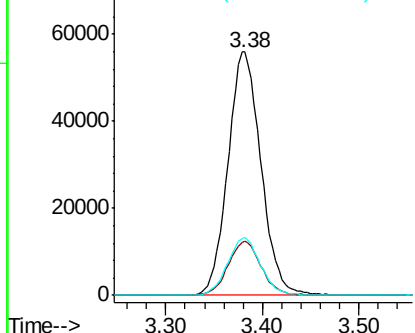
Methyl tert-butyl Ether
 Concen: 4.841 ug/L
 RT: 3.38 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VU040599.D
 Acq: 09 Oct 2020 21:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tot Ion: 73 Resp: 132682
 Ion Ratio Lower Upper
 73 100
 43 22.3 18.2 27.4
 57 23.6 18.6 28.0



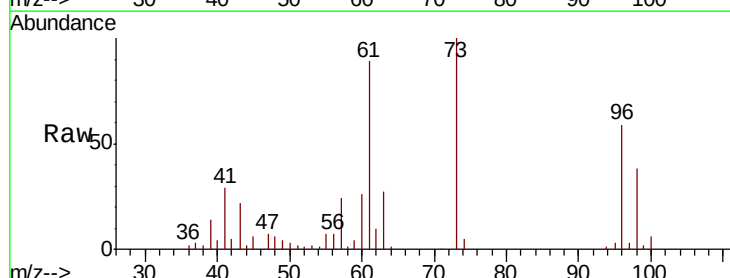
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



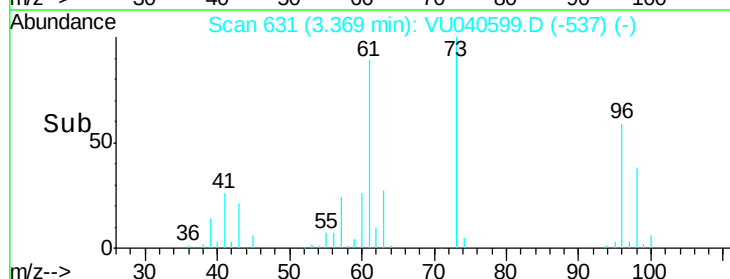
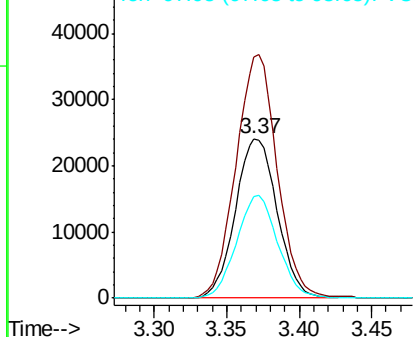
#18

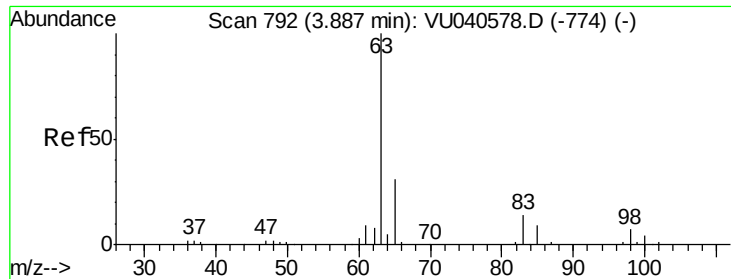
trans-1,2-Dichloroethene
 Concen: 4.763 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU040599.D
 Acq: 09 Oct 2020 21:27

Tgt Ion: 96 Resp: 48329
 Ion Ratio Lower Upper
 96 100
 61 150.9 105.9 196.7
 98 63.4 43.8 81.3



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

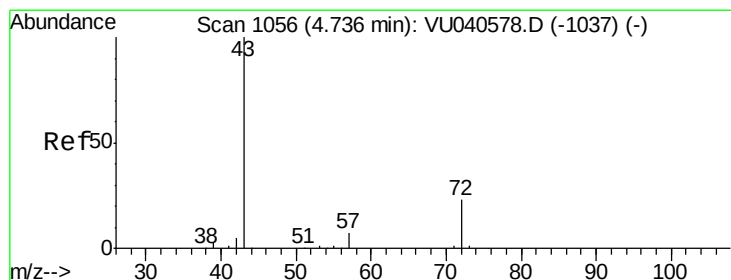
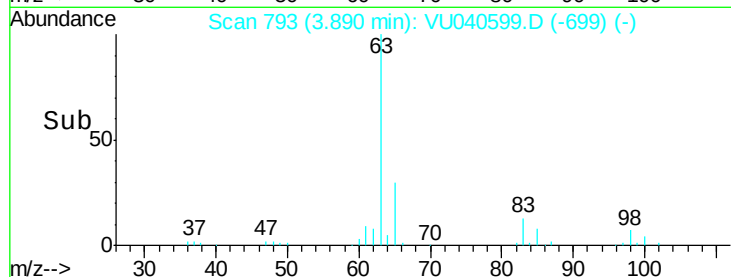
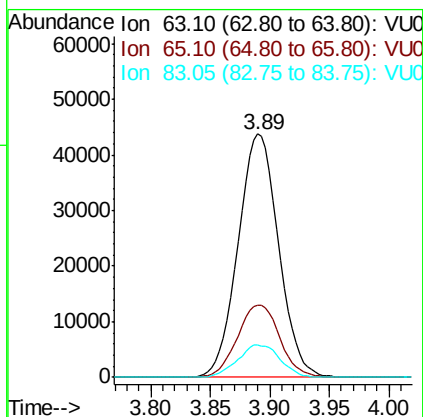
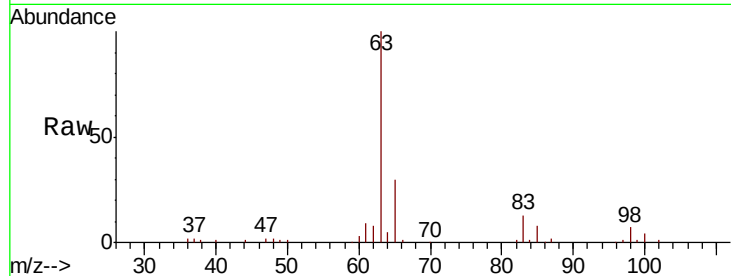




#19
 1,1-Dichloroethane
 Concen: 4.923 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040599.D
 Acq: 09 Oct 2020 21:27

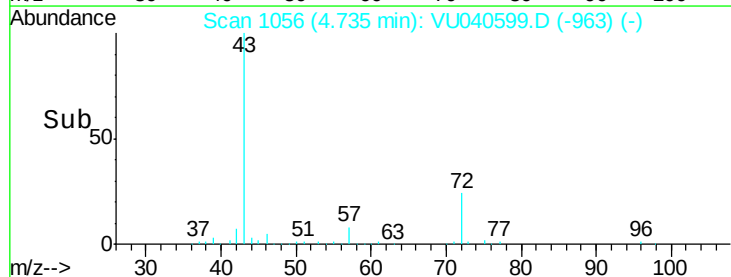
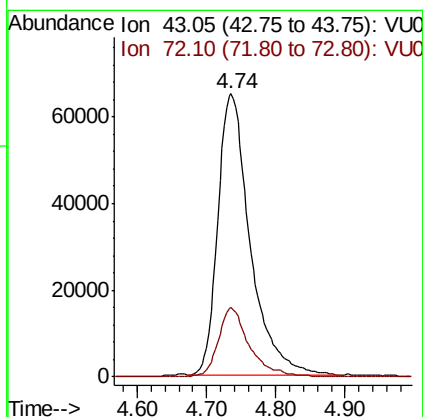
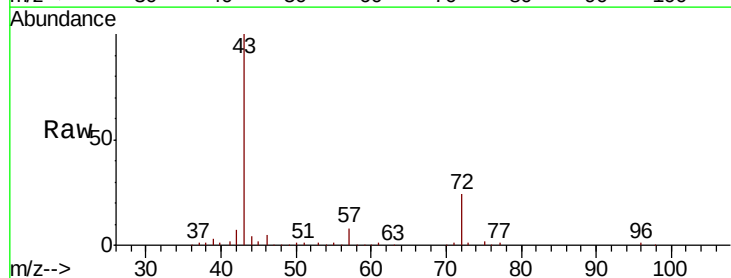
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

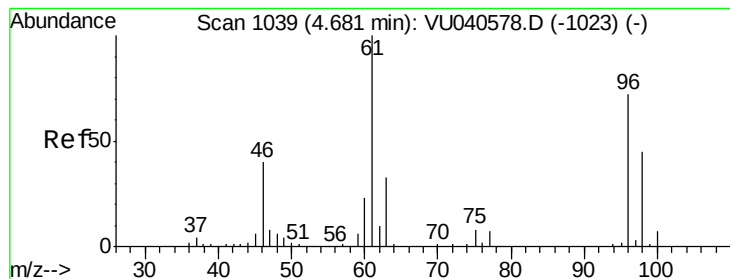
Tot Ion: 63 Resp: 103302
 Ion Ratio Lower Upper
 63 100
 65 29.9 21.9 40.7
 83 13.4 9.6 17.8



#21
 2-Butanone
 Concen: 48.284 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. -0.00 min
 Lab File: VU040599.D
 Acq: 09 Oct 2020 21:27

Tgt Ion: 43 Resp: 210171
 Ion Ratio Lower Upper
 43 100
 72 23.7 11.4 34.2





#22

cis-1,2-Dichloroethene

Concen: 4.943 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VU040599.D

Acq: 09 Oct 2020 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

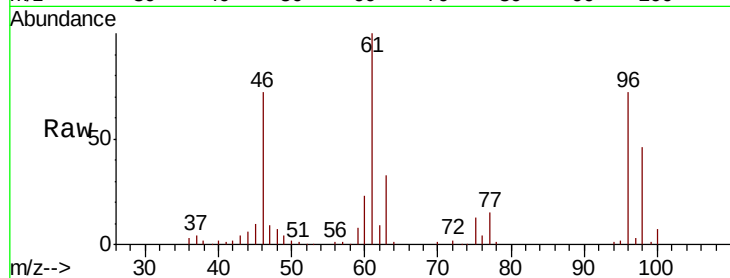
Tot Ion: 96 Resp: 54084

Ion Ratio Lower Upper

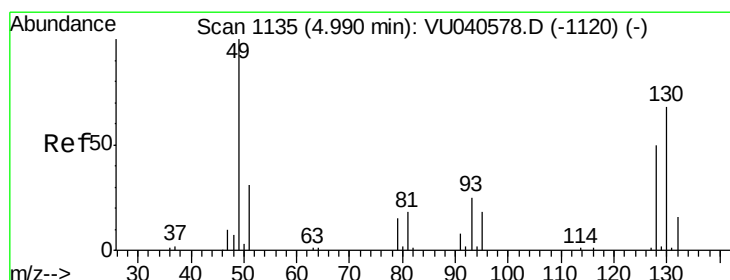
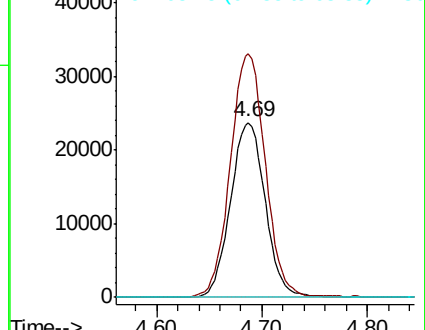
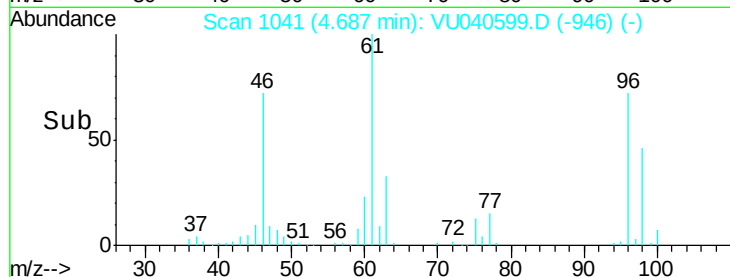
96 100

61 139.3 99.8 185.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040599.D (-946) (-)



#23

Bromochloromethane

Concen: 4.852 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040599.D

Acq: 09 Oct 2020 21:27

Tgt Ion: 128 Resp: 26373

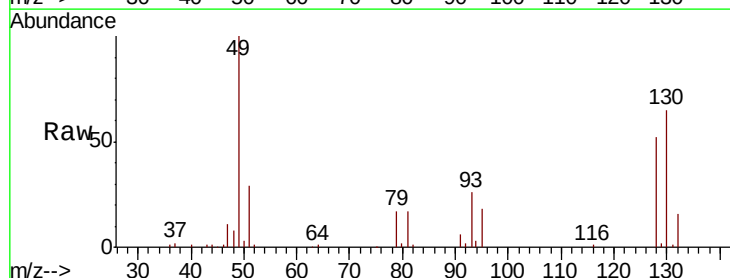
Ion Ratio Lower Upper

128 100

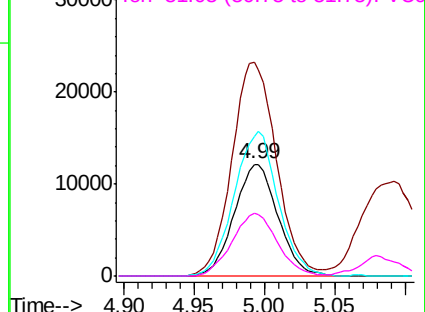
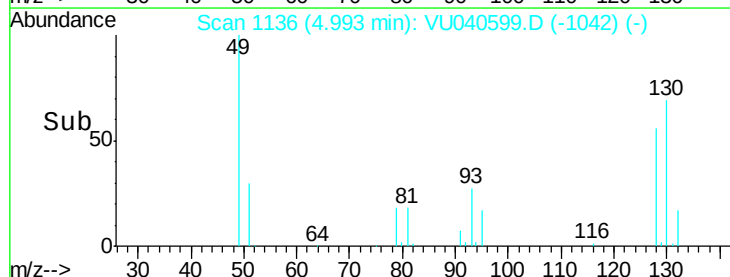
49 191.0 132.2 245.4

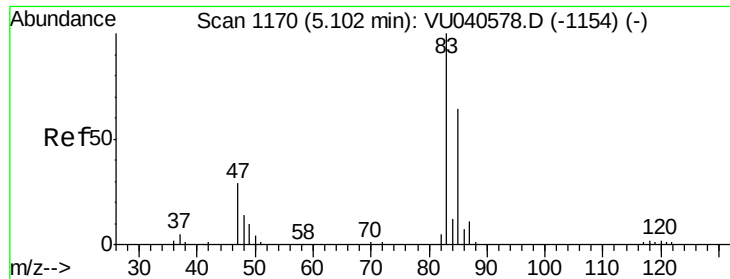
130 124.5 89.2 165.8

51 55.8 45.3 67.9



Abundance Ion 127.90 (127.60 to 128.60): VU040599.D (-1042) (-)

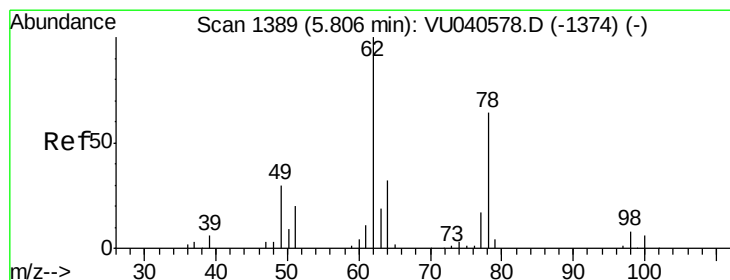
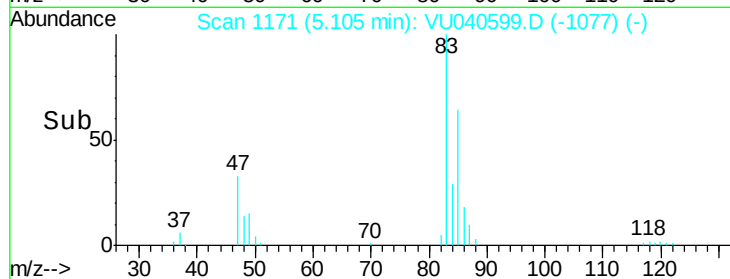
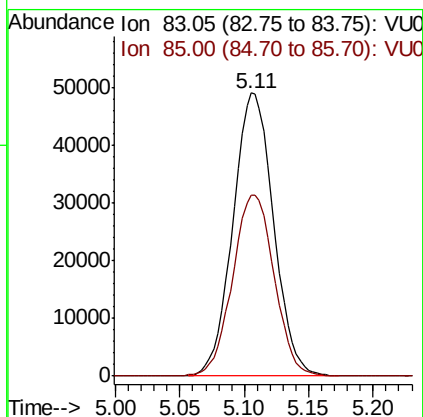
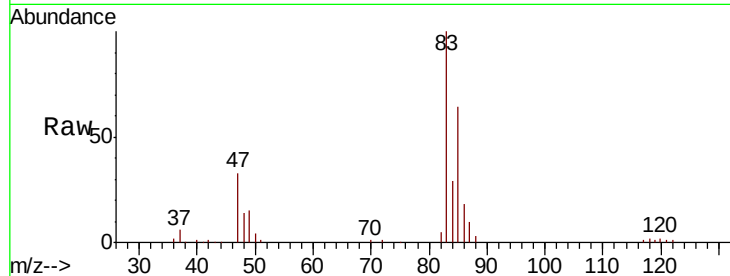




#25
Chloroform
Concen: 5.009 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040599.D
Acq: 09 Oct 2020 21:27

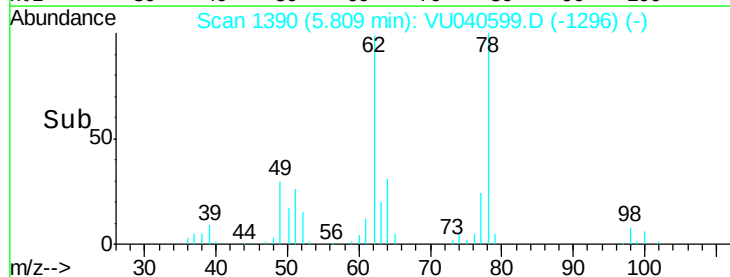
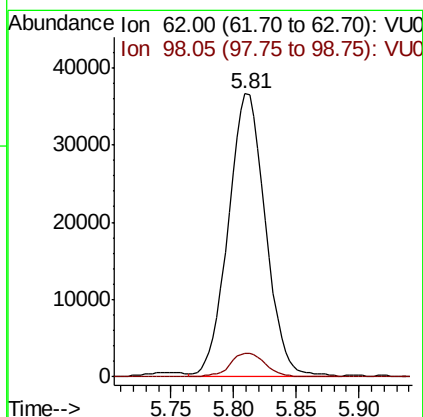
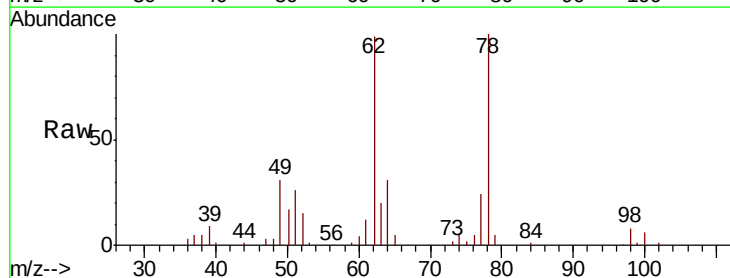
Instrument :
MSVOA_U
ClientSampled :
VSTD00524

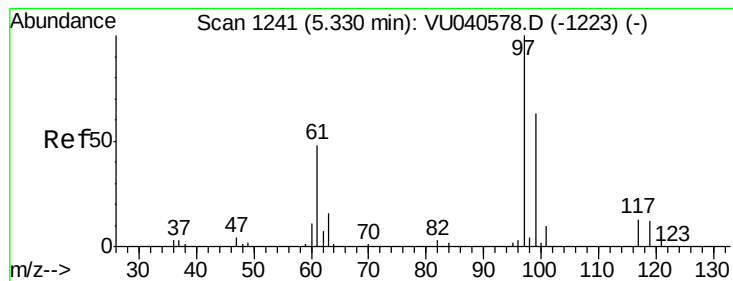
Tot Ion: 83 Resp: 107298
Ion Ratio Lower Upper
83 100
85 63.8 46.5 86.5



#27
1,2-Dichloroethane
Concen: 4.958 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040599.D
Acq: 09 Oct 2020 21:27

Tgt Ion: 62 Resp: 75178
Ion Ratio Lower Upper
62 100
98 8.3 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 4.875 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VU040599.D

Acq: 09 Oct 2020 21:27

Instrument :

MSVOA_U

ClientSampled :

VSTD00524

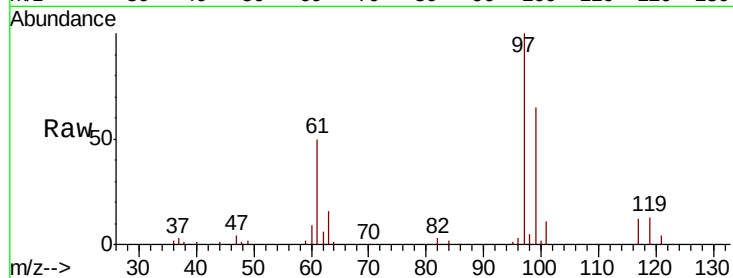
Tot Ion: 97 Resp: 89454

Ion Ratio Lower Upper

97 100

99 63.8 51.3 76.9

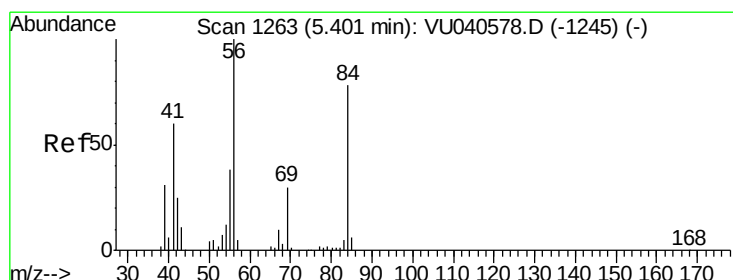
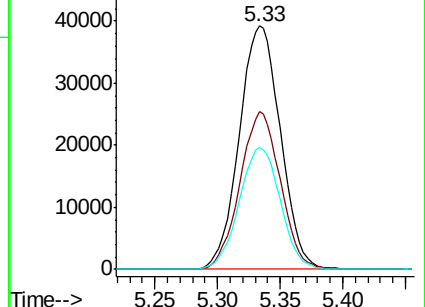
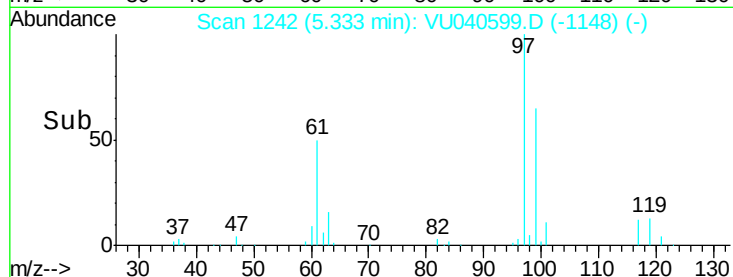
61 50.2 39.4 59.2



Abundance Ion 96.95 (96.65 to 97.65): VU040599.D (-1148) (-)

Ion 99.05 (98.75 to 99.75): VU040599.D (-1148) (-)

Ion 61.05 (60.75 to 61.75): VU040599.D (-1148) (-)



#30

Cyclohexane

Concen: 4.743 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VU040599.D

Acq: 09 Oct 2020 21:27

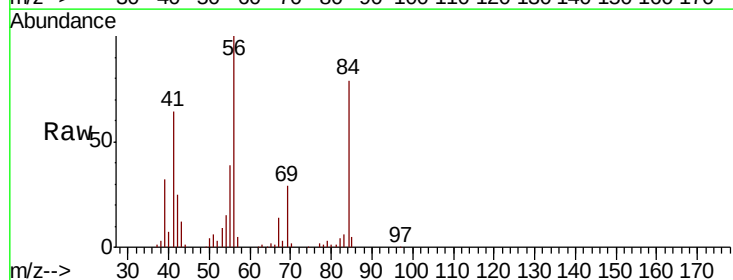
Tgt Ion: 56 Resp: 80208

Ion Ratio Lower Upper

56 100

69 28.8 23.8 35.8

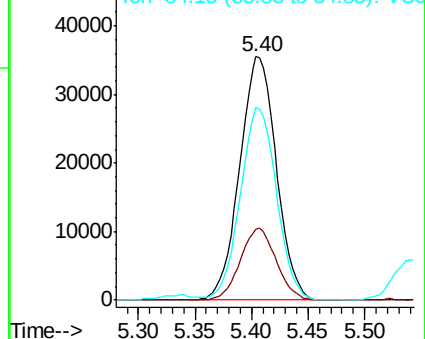
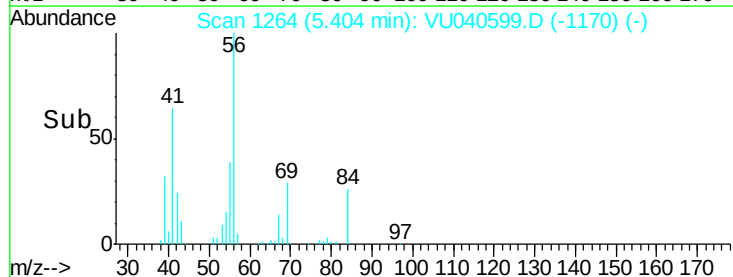
84 78.1 64.0 96.0

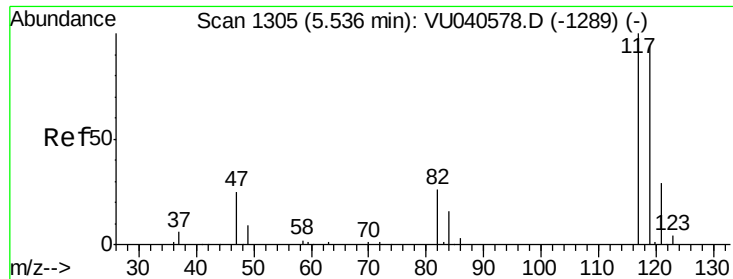


Abundance Ion 56.10 (55.80 to 56.80): VU040599.D (-1170) (-)

Ion 69.15 (68.85 to 69.85): VU040599.D (-1170) (-)

Ion 84.15 (83.85 to 84.85): VU040599.D (-1170) (-)

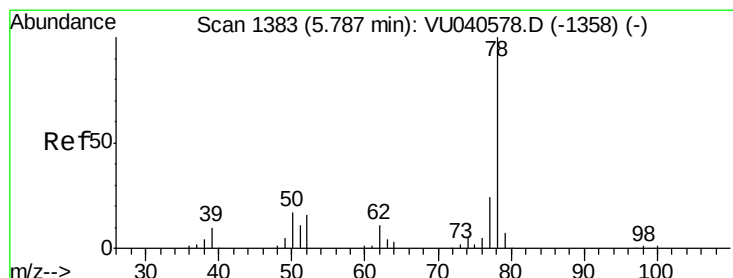
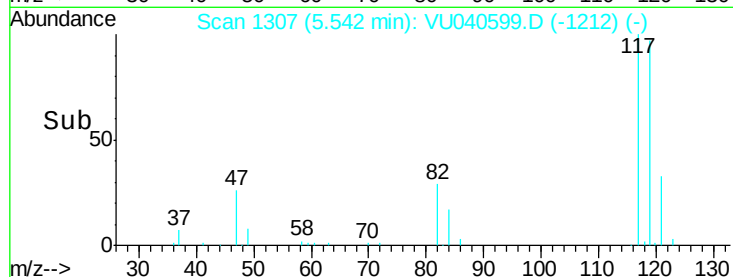
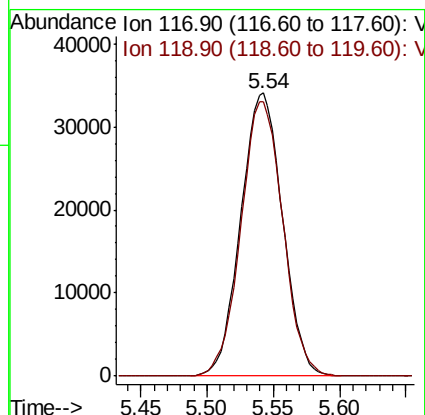
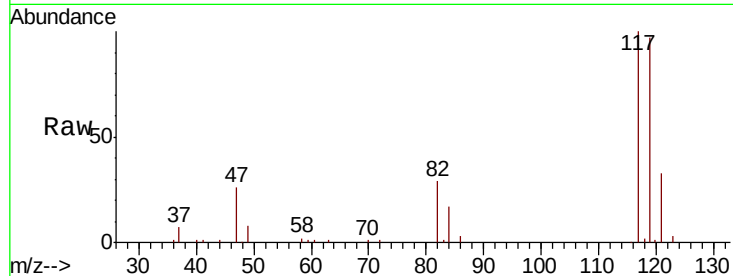




#31
Carbon tetrachloride
Concen: 4.754 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.01 min
Lab File: VU040599.D
Acq: 09 Oct 2020 21:27

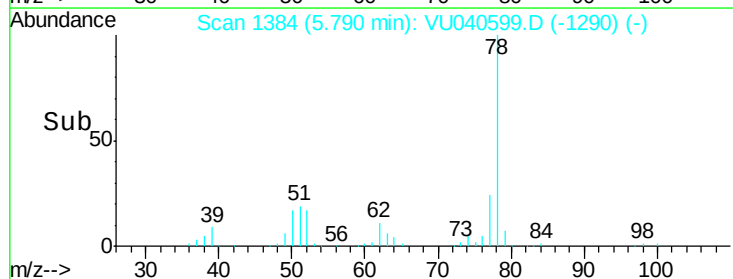
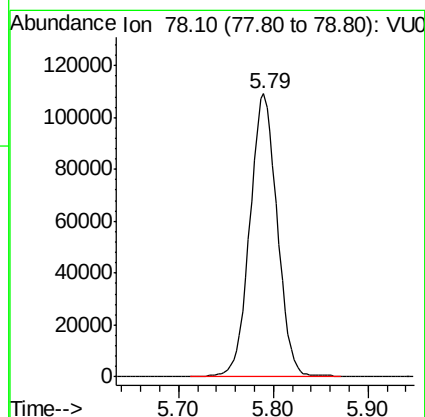
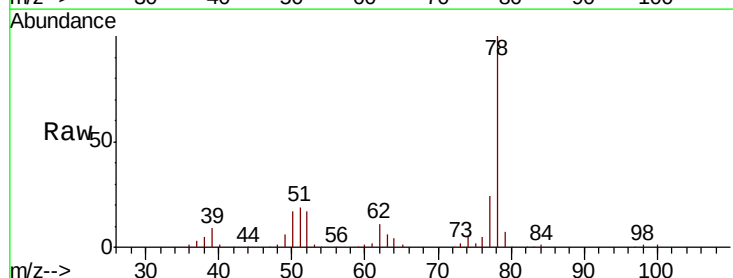
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

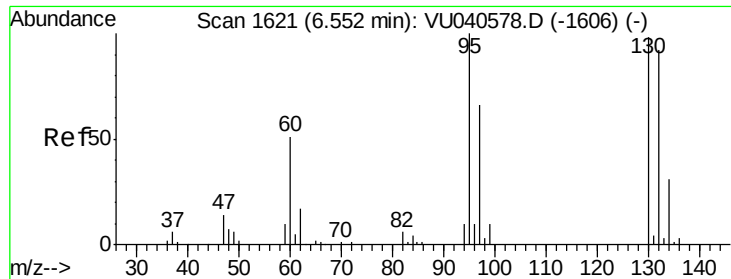
Tot Ion:117 Resp: 74659
Ion Ratio Lower Upper
117 100
119 97.4 76.2 114.2



#33
Benzene
Concen: 4.996 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040599.D
Acq: 09 Oct 2020 21:27

Tgt Ion: 78 Resp: 219173

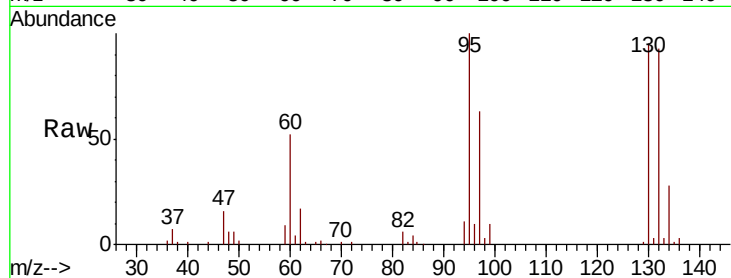




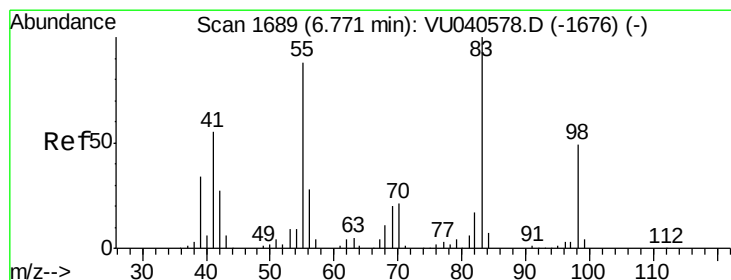
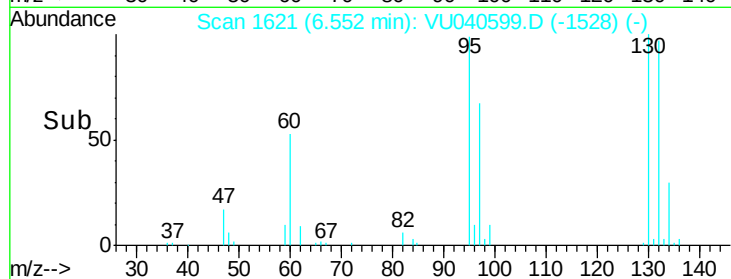
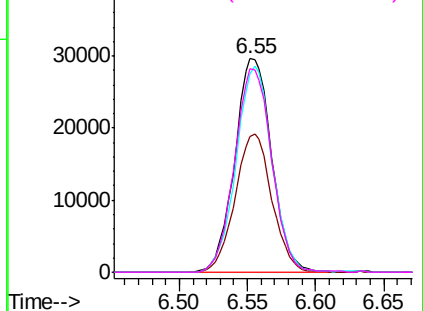
#34
 Trichloroethene
 Concen: 4.910 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040599.D
 Acq: 09 Oct 2020 21:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tot Ion: 95 Resp: 55831
 Ion Ratio Lower Upper
 95 100
 97 63.5 45.5 84.5
 132 92.7 67.5 125.4
 130 95.1 69.9 129.9

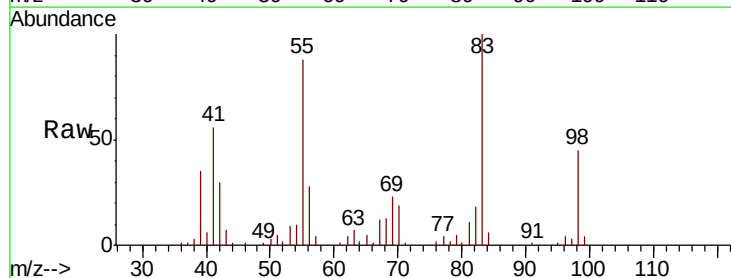


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

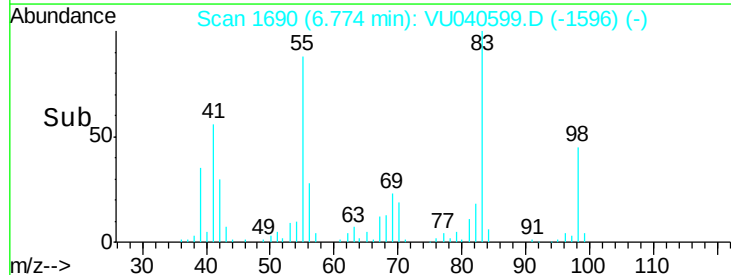
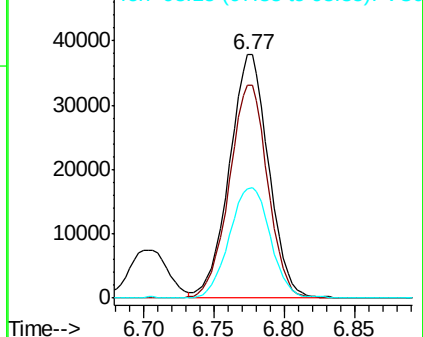


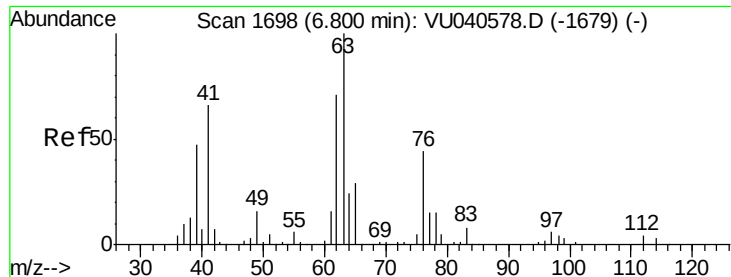
#35
 Methylcyclohexane
 Concen: 4.576 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040599.D
 Acq: 09 Oct 2020 21:27

Tgt Ion: 83 Resp: 73793
 Ion Ratio Lower Upper
 83 100
 55 85.5 70.7 106.1
 98 47.3 38.4 57.6



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

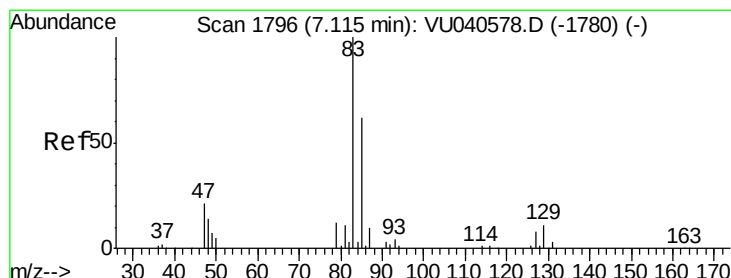
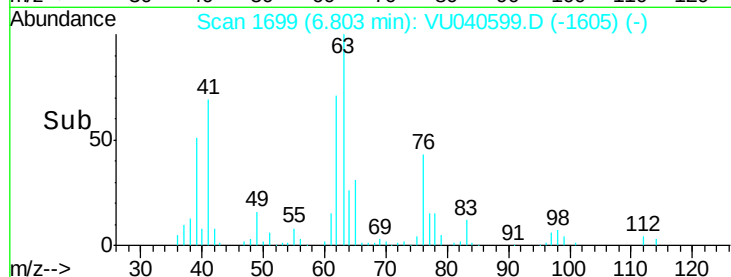
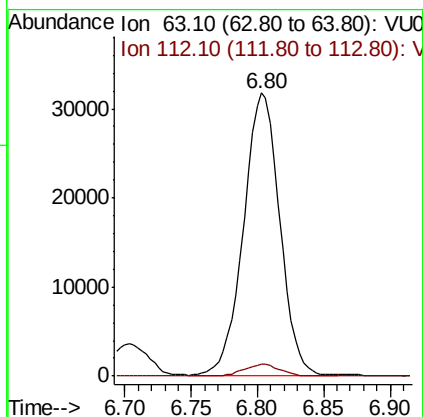
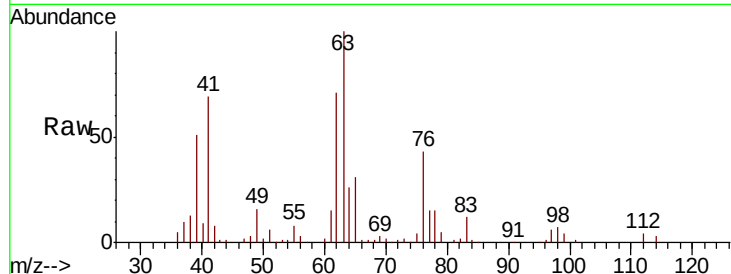




#37
 1,2-Dichloropropane
 Concen: 4.914 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040599.D
 Acq: 09 Oct 2020 21:27

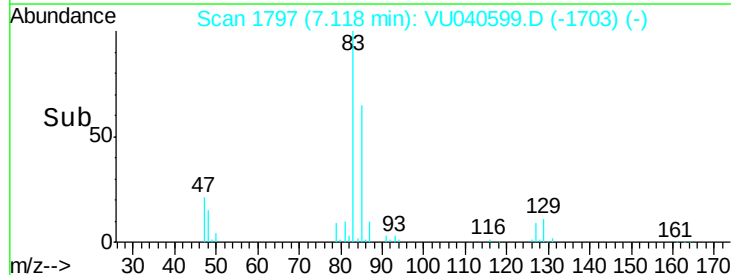
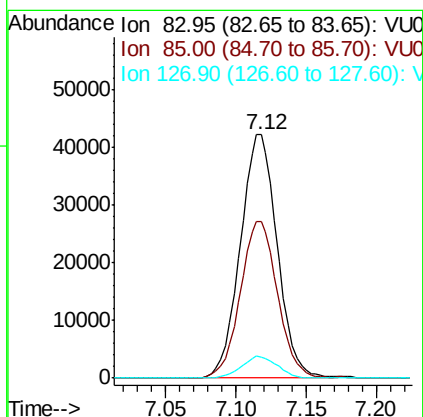
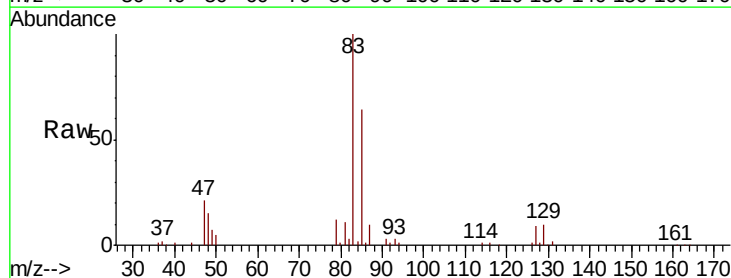
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

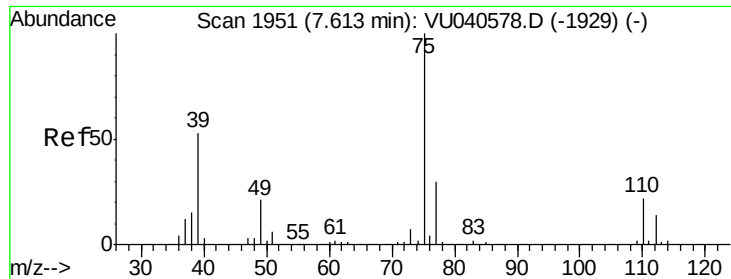
Tot Ion: 63 Resp: 60070
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.5 5.3



#38
 Bromodichloromethane
 Concen: 4.932 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU040599.D
 Acq: 09 Oct 2020 21:27

Tgt Ion: 83 Resp: 77069
 Ion Ratio Lower Upper
 83 100
 85 64.3 46.0 85.4
 127 8.8 6.7 10.1

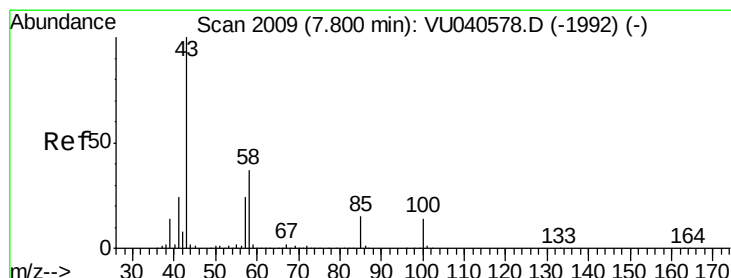
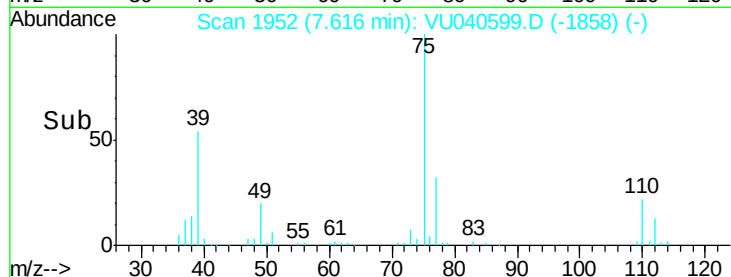
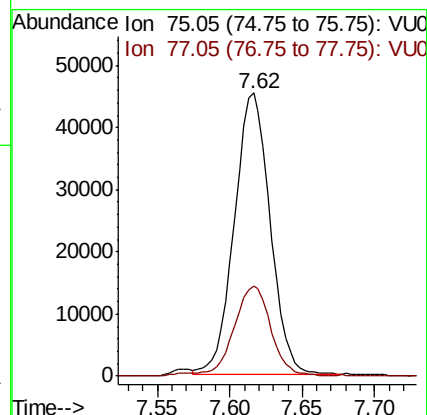
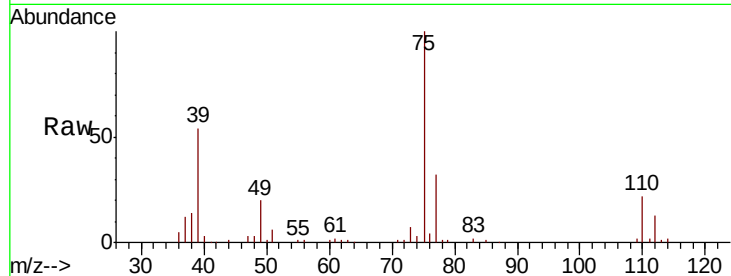




#39
 cis-1,3-Dichloropropene
 Concen: 4.622 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040599.D
 Acq: 09 Oct 2020 21:27

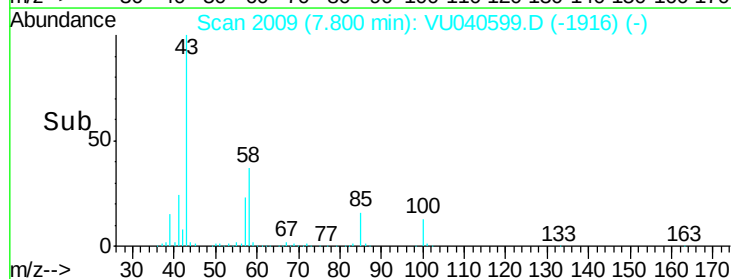
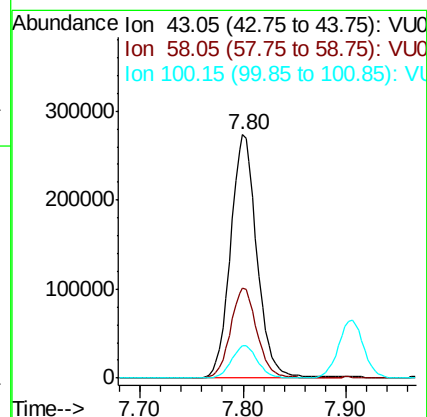
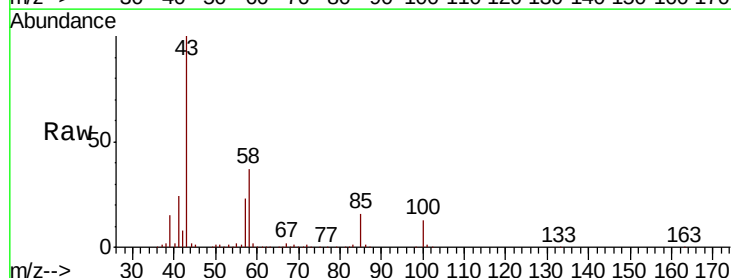
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

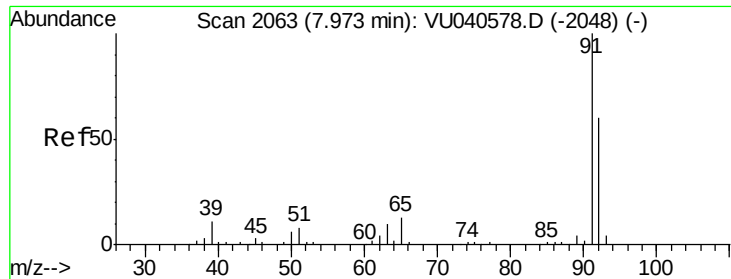
Tot Ion: 75 Resp: 77185
 Ion Ratio Lower Upper
 75 100
 77 32.0 20.5 38.1



#40
 4-Methyl-2-pentanone
 Concen: 50.079 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040599.D
 Acq: 09 Oct 2020 21:27

Tgt Ion: 43 Resp: 488034
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.7 44.5
 100 13.3 10.7 16.1





#42

Toluene

Concen: 5.102 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040599.D

Acq: 09 Oct 2020 21:27

Instrument :

MSVOA_U

ClientSampleId :

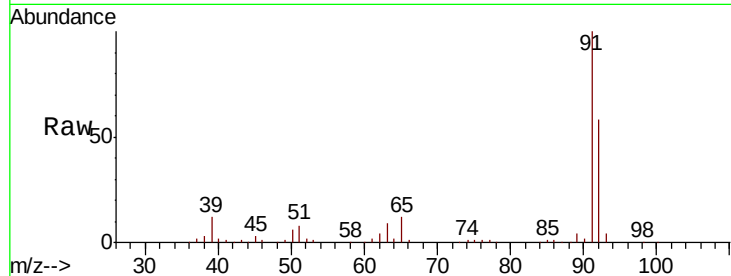
VSTD00524

Tot Ion: 91 Resp: 228074

Ion Ratio Lower Upper

91 100

92 58.5 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU040578.D (-2048) (-)

Ion 92.15 (91.85 to 92.85): VU040599.D (-1970) (-)

7.98

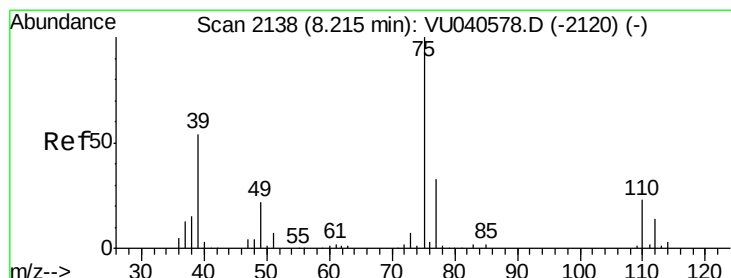
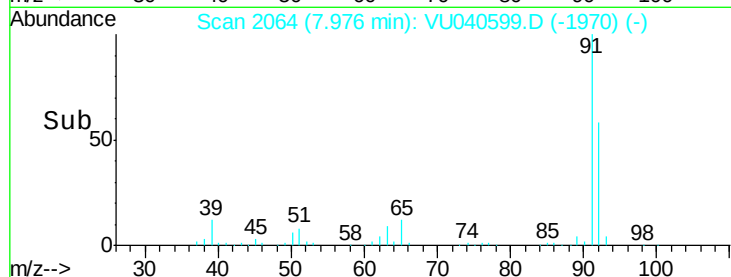
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.827 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040599.D

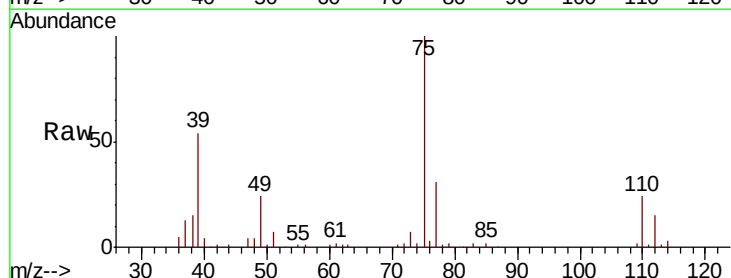
Acq: 09 Oct 2020 21:27

Tgt Ion: 75 Resp: 74211

Ion Ratio Lower Upper

75 100

77 31.3 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU040578.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040599.D (-2045) (-)

8.21

50000

40000

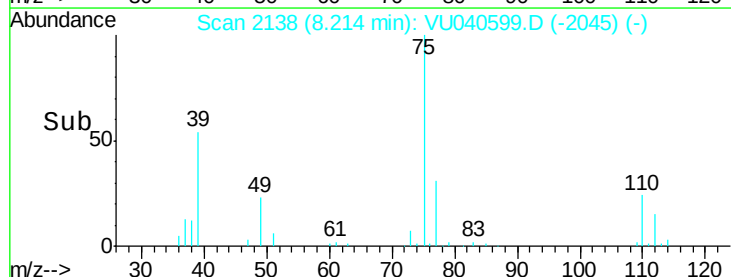
30000

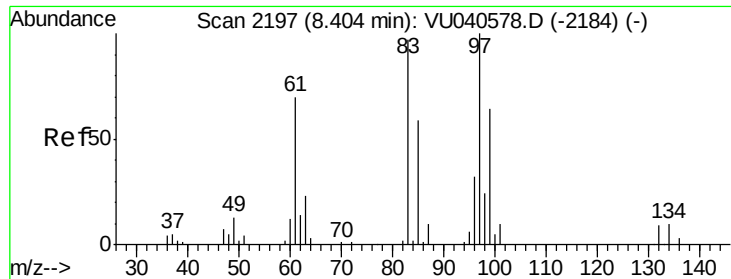
20000

10000

0

Time-->

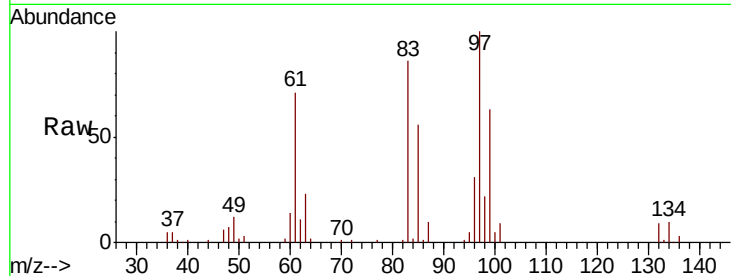




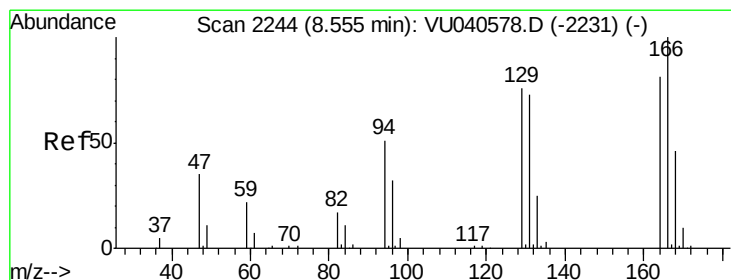
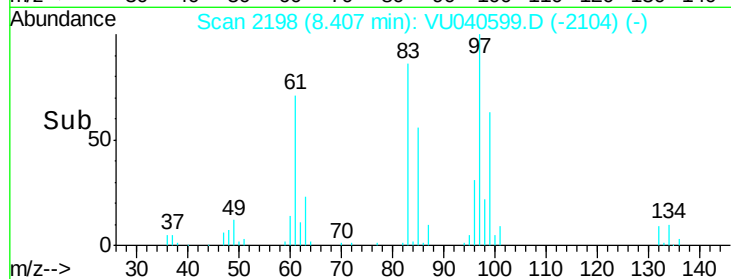
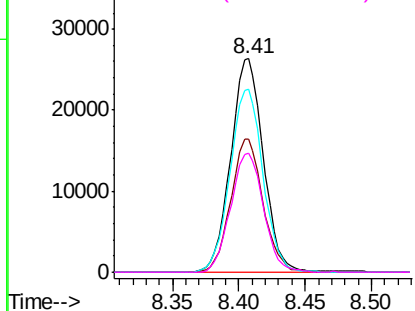
#45
 1,1,2-Trichloroethane
 Concen: 4.922 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040599.D
 Acq: 09 Oct 2020 21:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tot Ion:	97	Resp:	45064
Ion	Ratio	Lower	Upper
97	100		
99	62.6	44.0	81.6
83	85.7	62.9	116.9
85	55.8	40.3	74.8

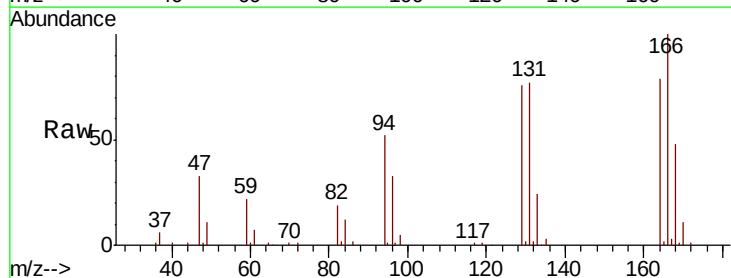


Abundance Ion 96.95 (96.65 to 97.65): VU040599.D (-2197) (-)
 Ion 99.05 (98.75 to 99.75): VU040599.D (-2197) (-)
 Ion 82.95 (82.65 to 83.65): VU040599.D (-2197) (-)
 Ion 85.00 (84.70 to 85.70): VU040599.D (-2197) (-)

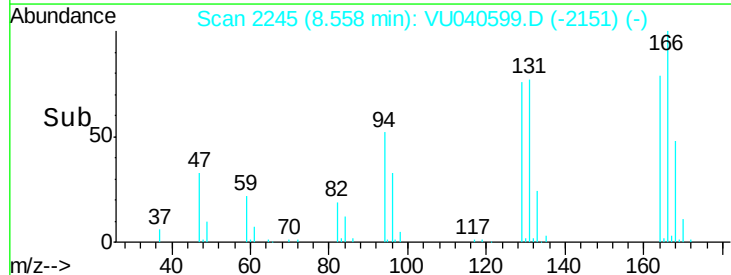
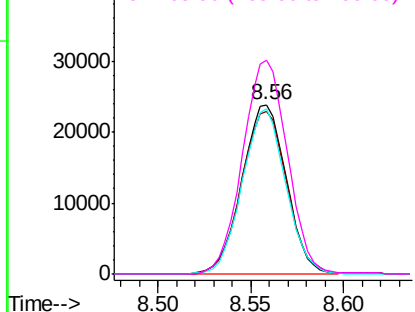


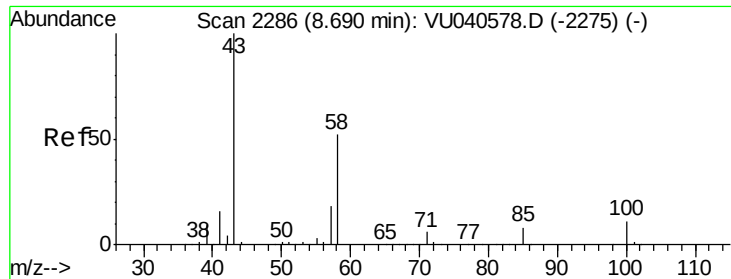
#47
 Tetrachloroethene
 Concen: 4.876 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040599.D
 Acq: 09 Oct 2020 21:27

Tgt Ion:	164	Resp:	39561
Ion	Ratio	Lower	Upper
164	100		
129	96.0	68.8	127.8
131	97.2	66.7	123.9
166	126.2	83.9	155.7



Abundance Ion 163.90 (163.60 to 164.60): VU040599.D (-2244) (-)
 Ion 128.95 (128.65 to 129.65): VU040599.D (-2244) (-)
 Ion 130.95 (130.65 to 131.65): VU040599.D (-2244) (-)
 Ion 165.90 (165.60 to 166.60): VU040599.D (-2244) (-)

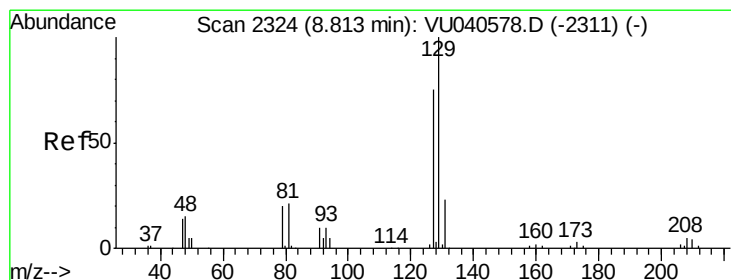
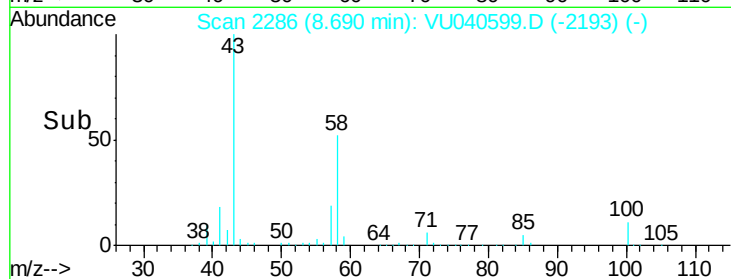
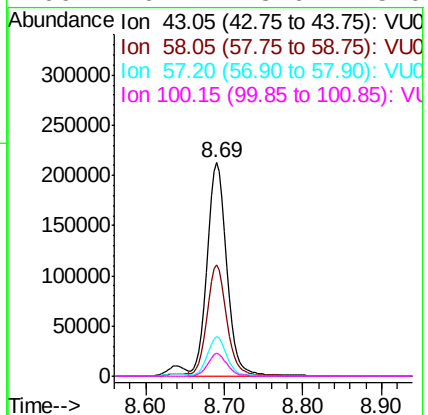
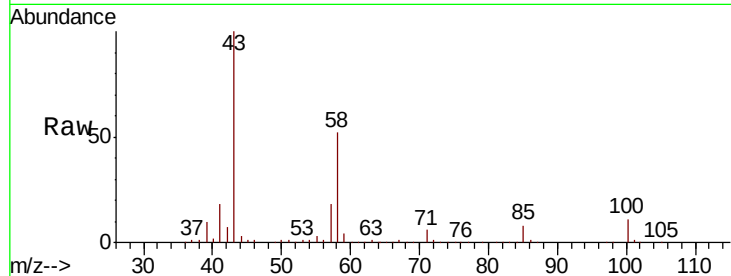




#48
2-Hexanone
Concen: 50.671 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040599.D
Acq: 09 Oct 2020 21:27

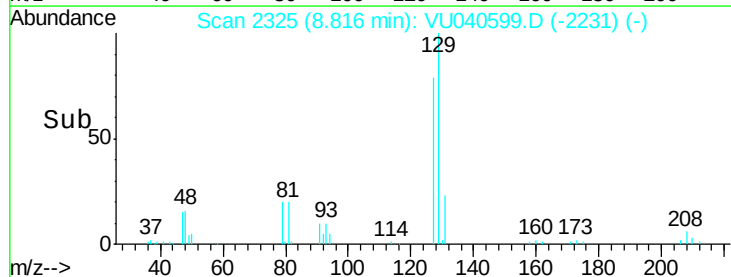
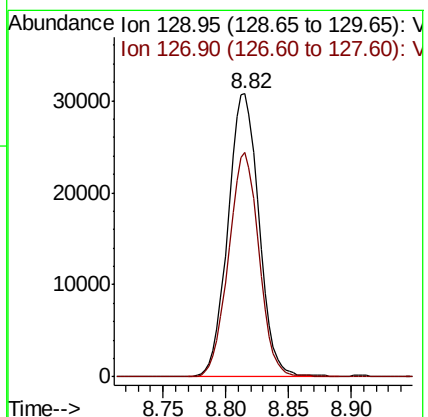
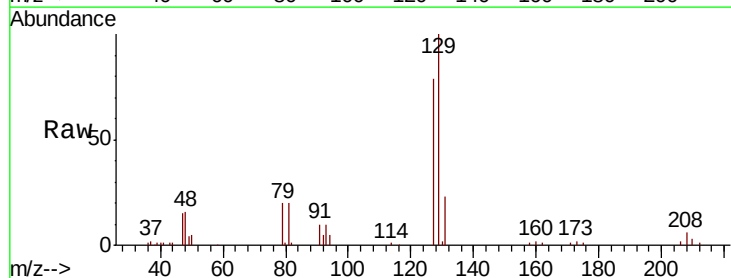
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

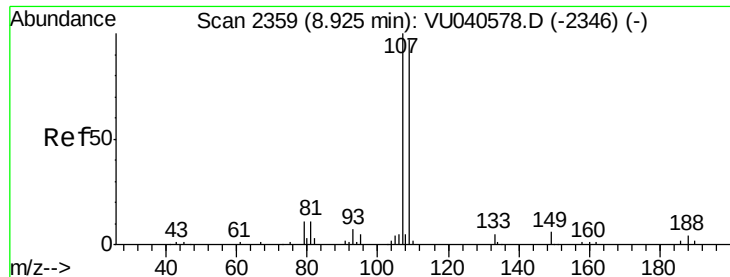
Tot Ion:	43	Resp:	367648
Ion	Ratio	Lower	Upper
43	100		
58	52.2	41.0	61.6
57	17.9	14.4	21.6
100	10.4	8.6	13.0



#49
Dibromochloromethane
Concen: 5.043 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040599.D
Acq: 09 Oct 2020 21:27

Tgt Ion:	129	Resp:	53121
Ion	Ratio	Lower	Upper
129	100		
127	79.1	55.8	103.6

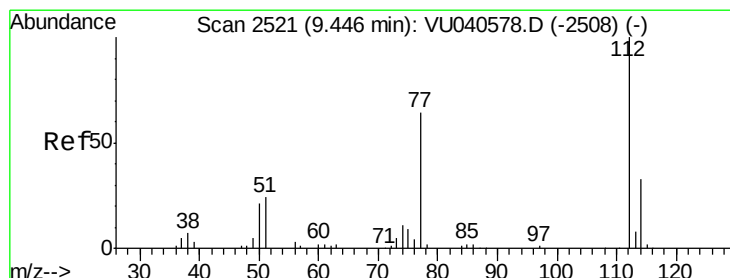
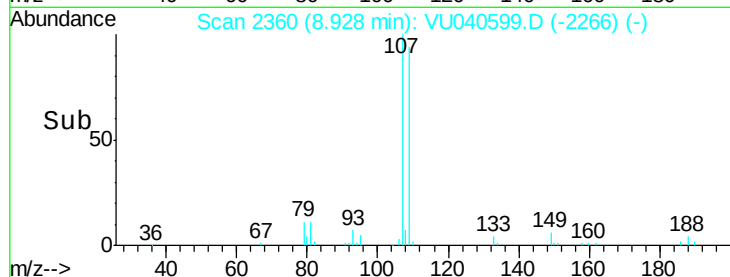
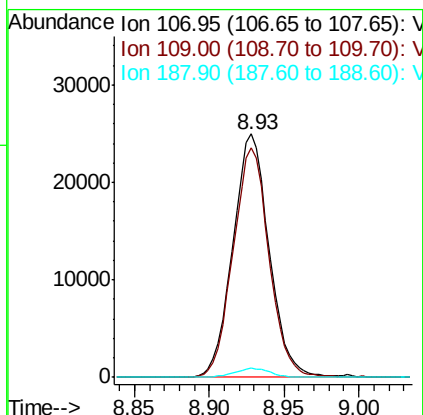
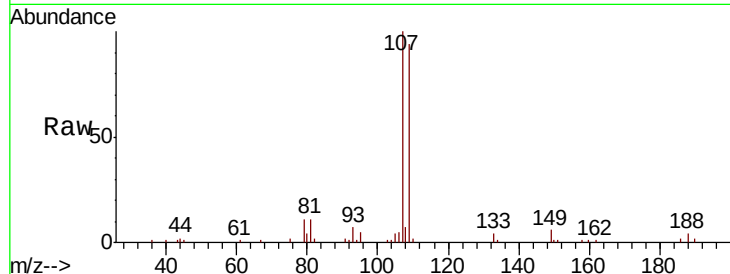




#50
 1,2-Dibromoethane
 Concen: 4.850 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040599.D
 Acq: 09 Oct 2020 21:27

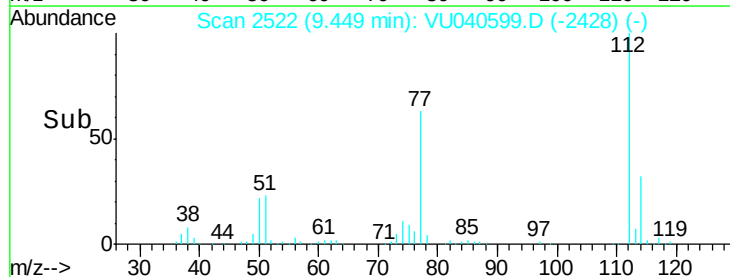
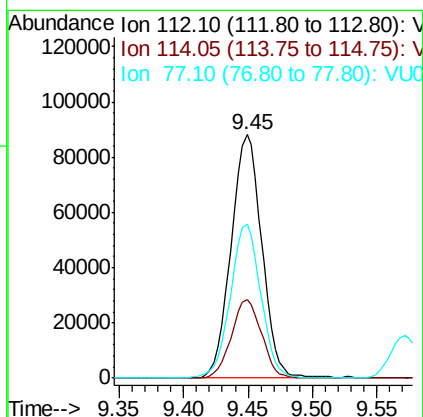
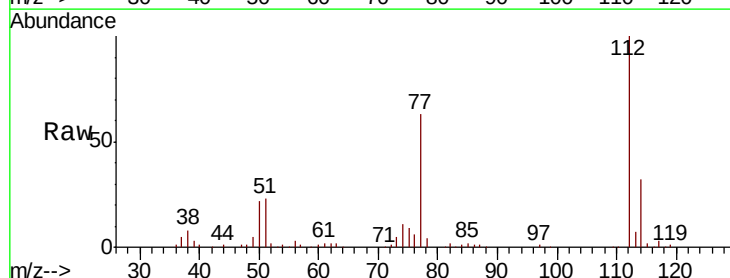
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

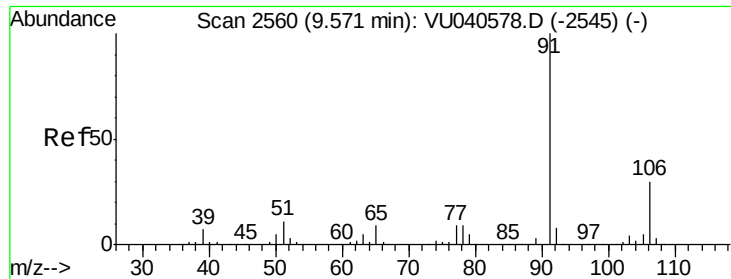
Tot Ion:107 Resp: 42120
 Ion Ratio Lower Upper
 107 100
 109 94.1 65.7 121.9
 188 3.8 3.0 4.4



#51
 Chlorobenzene
 Concen: 4.958 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040599.D
 Acq: 09 Oct 2020 21:27

Tgt Ion:112 Resp: 145991
 Ion Ratio Lower Upper
 112 100
 114 32.2 23.1 42.9
 77 63.0 50.3 75.5





#52

Ethylbenzene

Concen: 4.949 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040599.D

Acq: 09 Oct 2020 21:27

Instrument :

MSVOA_U

ClientSampleId :

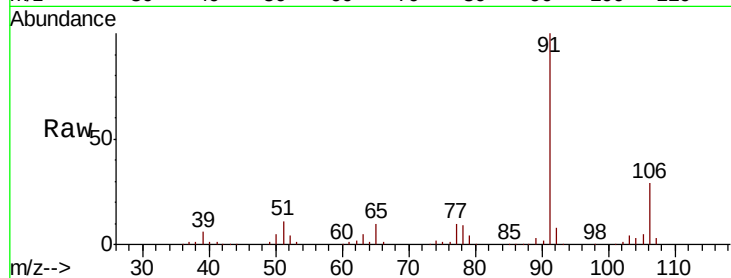
VSTD00524

Tot Ion: 91 Resp: 239439

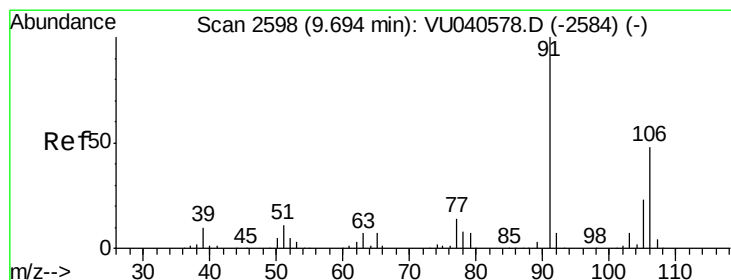
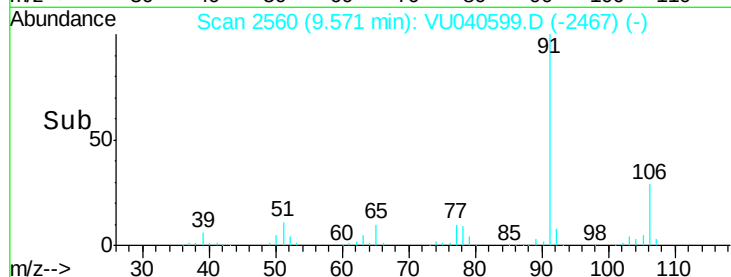
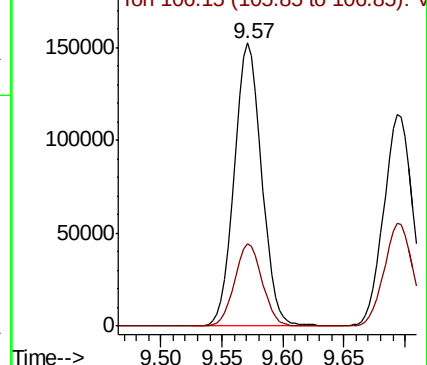
Ion Ratio Lower Upper

91 100

106 29.2 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VU040599.D (-2467) (-)



#53

m,p-Xylene

Concen: 5.151 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040599.D

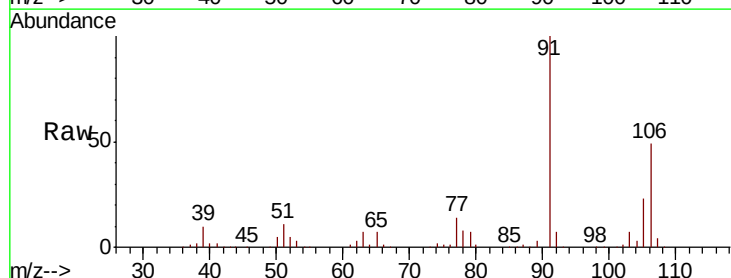
Acq: 09 Oct 2020 21:27

Tgt Ion: 106 Resp: 90840

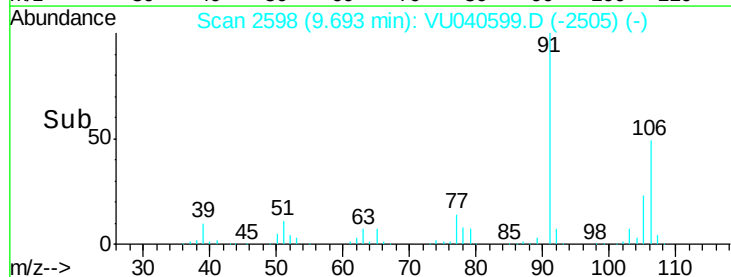
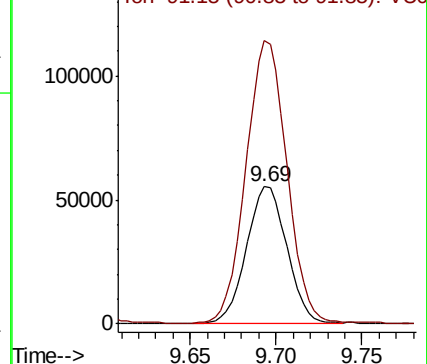
Ion Ratio Lower Upper

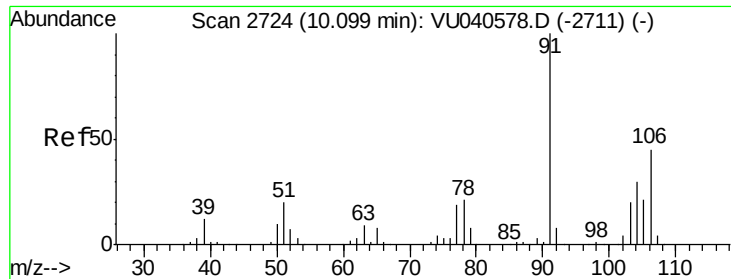
106 100

91 206.0 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040599.D (-2505) (-)

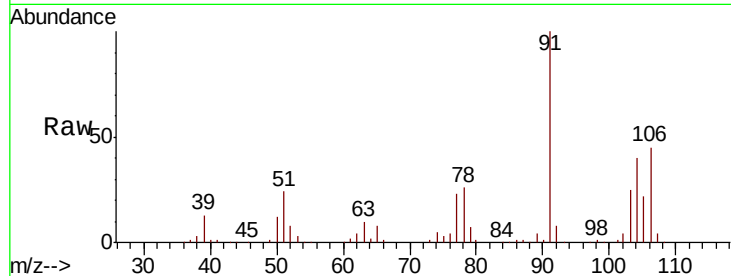




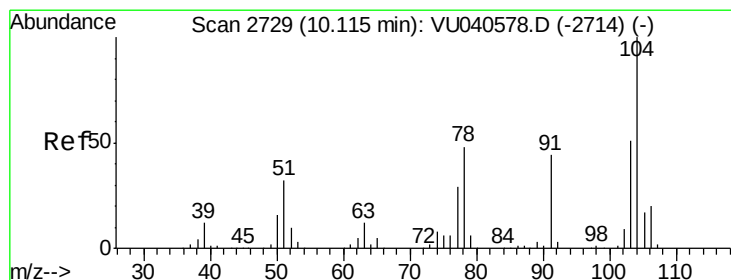
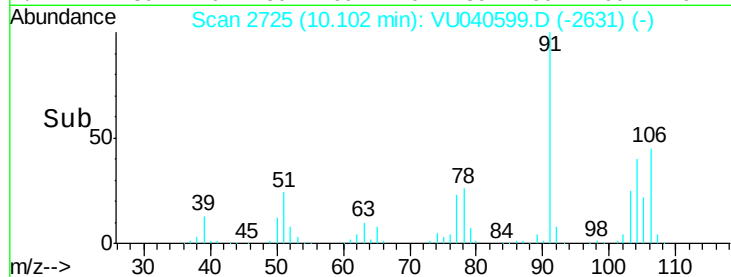
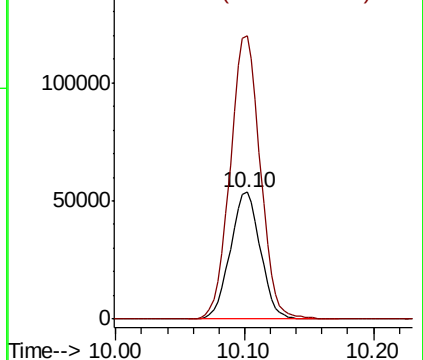
#54
o-Xylene
Concen: 5.145 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040599.D
Acq: 09 Oct 2020 21:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tot Ion:106 Resp: 87250
Ion Ratio Lower Upper
106 100
91 223.3 160.2 297.4

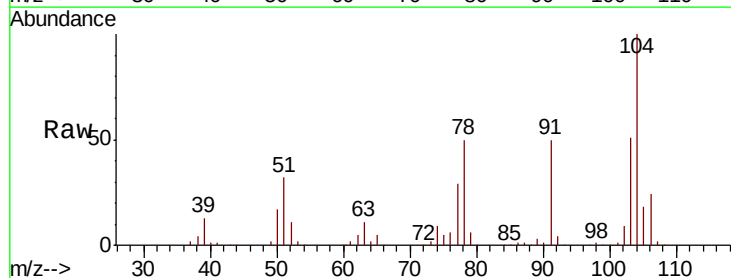


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

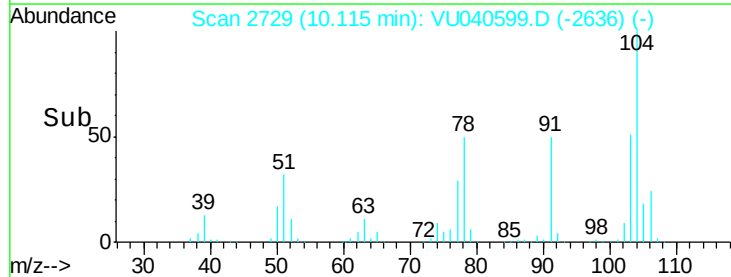
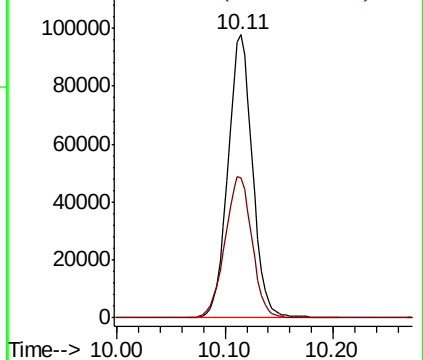


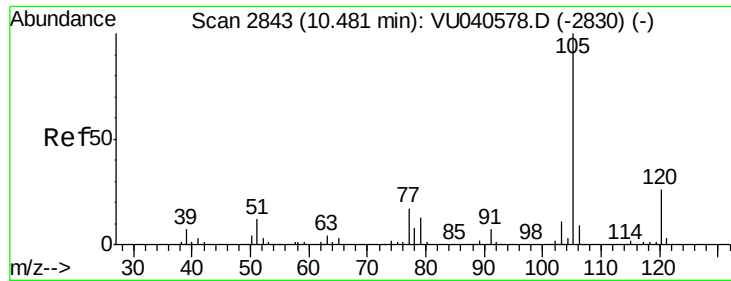
#55
Styrene
Concen: 5.269 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040599.D
Acq: 09 Oct 2020 21:27

Tgt Ion:104 Resp: 155183
Ion Ratio Lower Upper
104 100
78 49.5 34.6 64.3



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





#56

Isopropylbenzene

Concen: 5.123 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040599.D

Acq: 09 Oct 2020 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

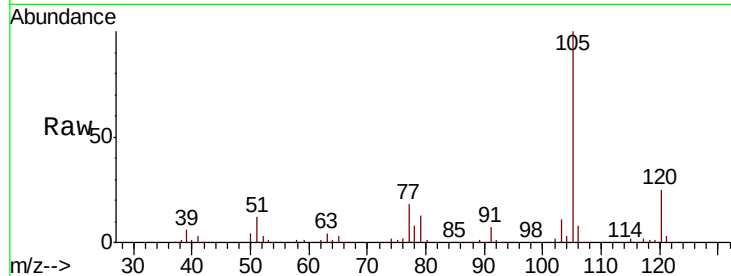
Tot Ion:105 Resp: 233861

Ion Ratio Lower Upper

105 100

120 25.3 20.6 30.8

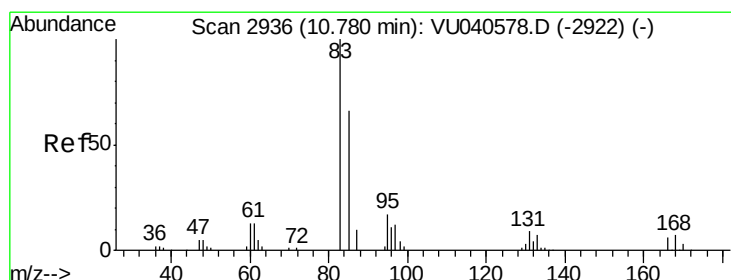
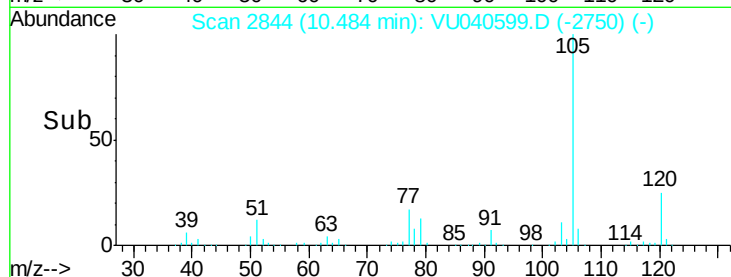
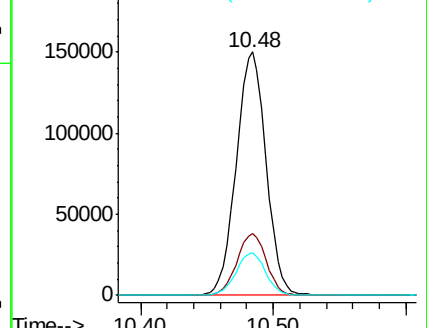
77 17.4 13.8 20.6



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: 4.821 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040599.D

Acq: 09 Oct 2020 21:27

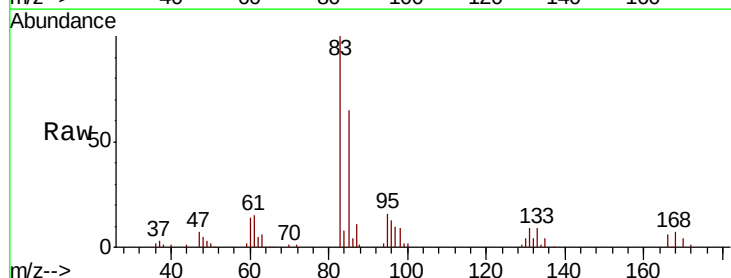
Tgt Ion: 83 Resp: 57952

Ion Ratio Lower Upper

83 100

85 64.7 45.6 84.6

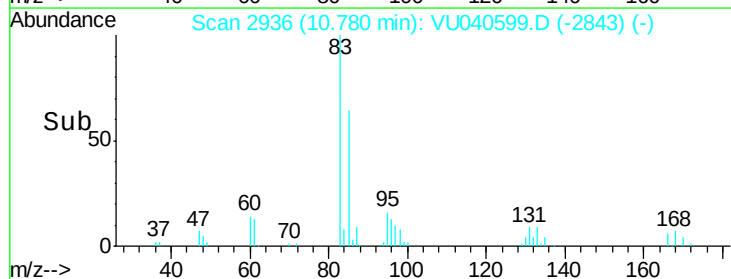
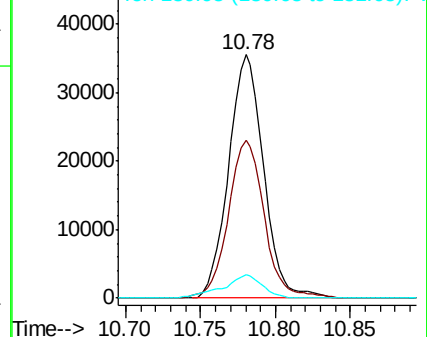
131 9.4 7.1 10.7

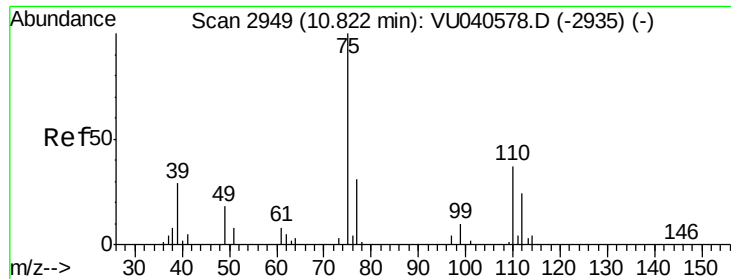


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.813 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU040599.D

Acq: 09 Oct 2020 21:27

Instrument :

MSVOA_U

ClientSampleId :

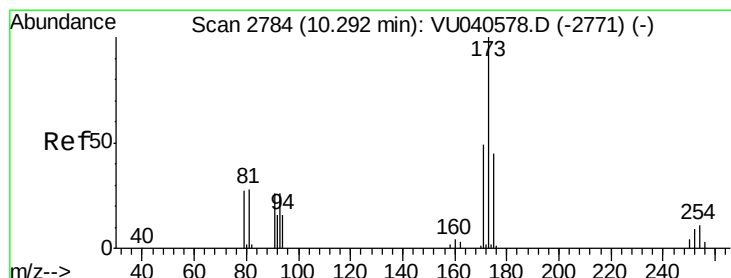
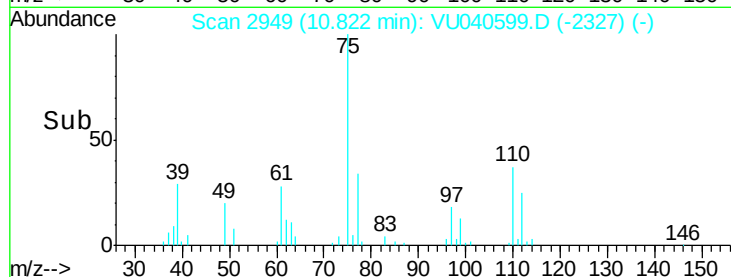
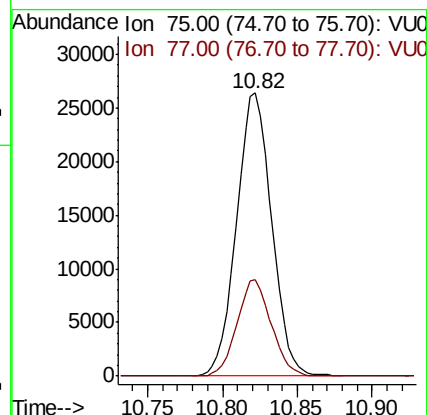
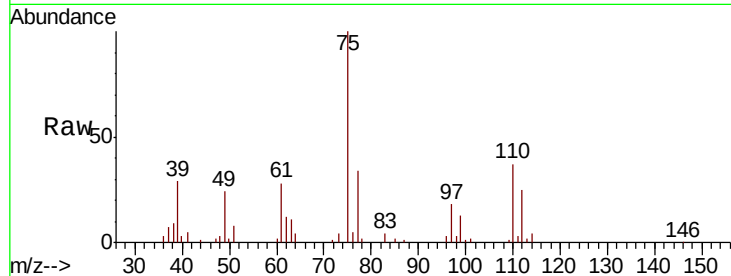
VSTD00524

Tot Ion: 75 Resp: 43217

Ion Ratio Lower Upper

75 100

77 32.9 26.4 39.6



#61

Bromoform

Concen: 4.729 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU040599.D

Acq: 09 Oct 2020 21:27

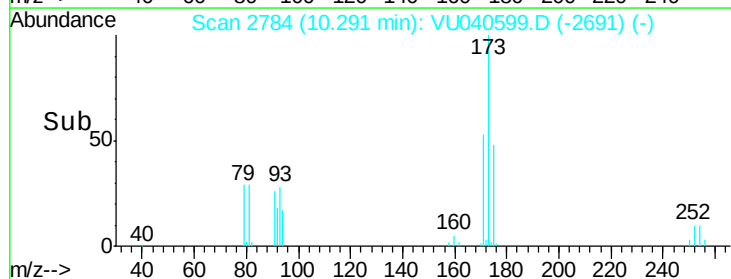
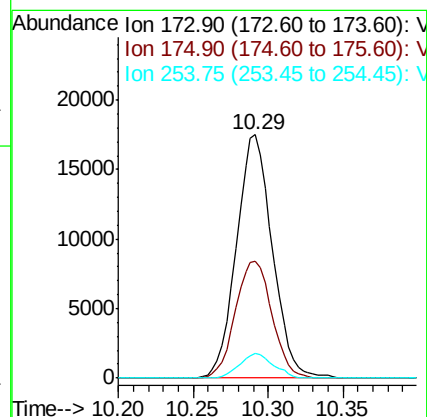
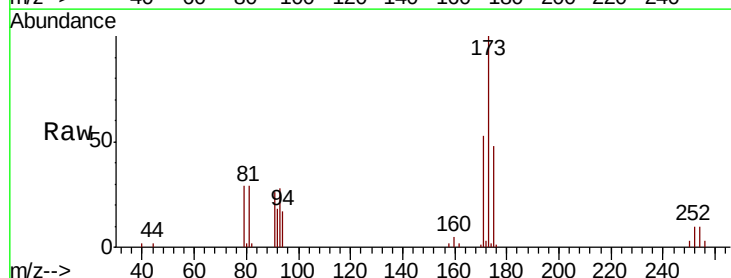
Tgt Ion: 173 Resp: 29300

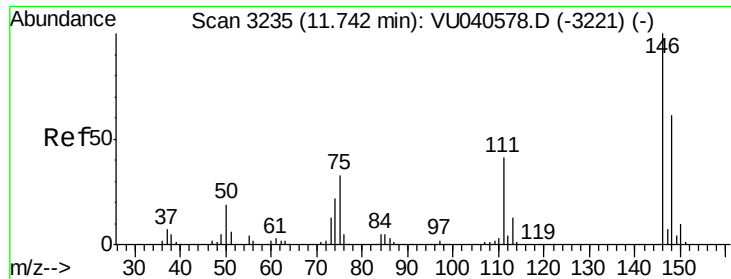
Ion Ratio Lower Upper

173 100

175 48.7 37.4 56.0

254 9.5 7.4 11.2





#62

1,3-Dichlorobenzene

Concen: 4.934 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU040599.D

Acq: 09 Oct 2020 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

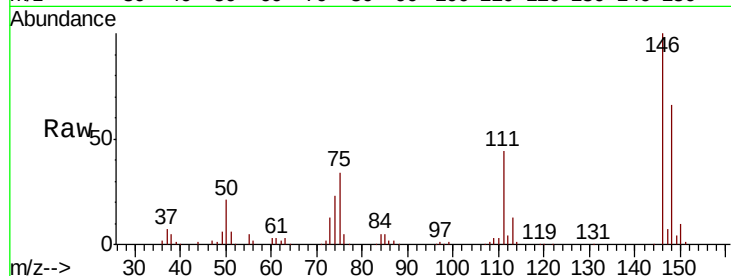
Tot Ion:146 Resp: 116705

Ion Ratio Lower Upper

146 100

111 43.5 28.8 53.6

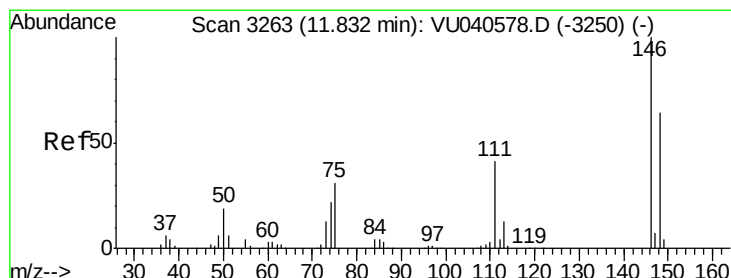
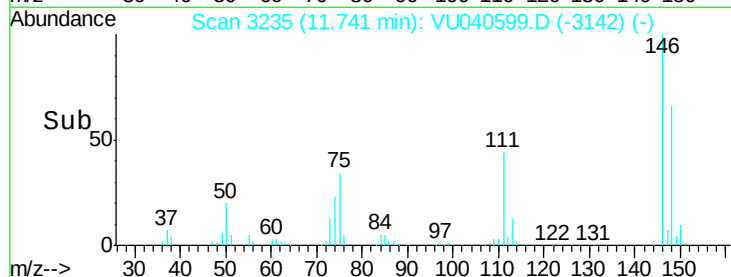
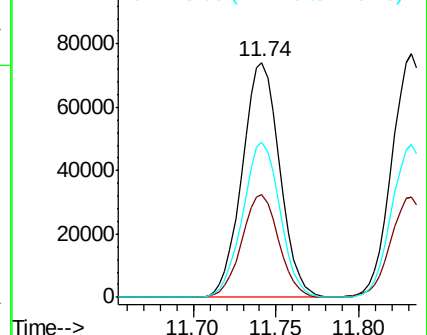
148 66.0 44.4 82.4



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



#63

1,4-Dichlorobenzene

Concen: 4.921 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040599.D

Acq: 09 Oct 2020 21:27

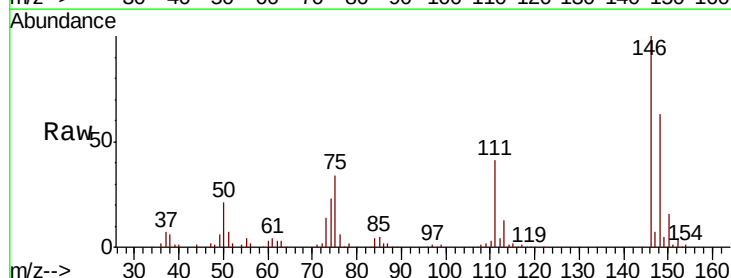
Tgt Ion:146 Resp: 120031

Ion Ratio Lower Upper

146 100

111 41.4 28.4 52.8

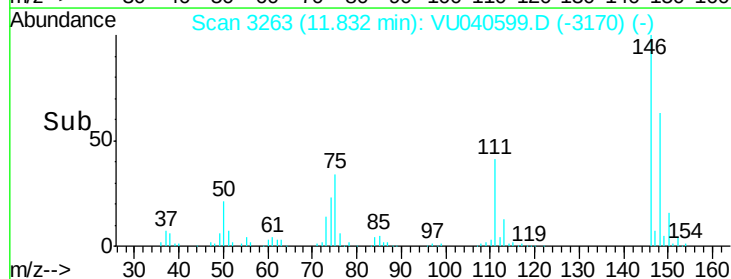
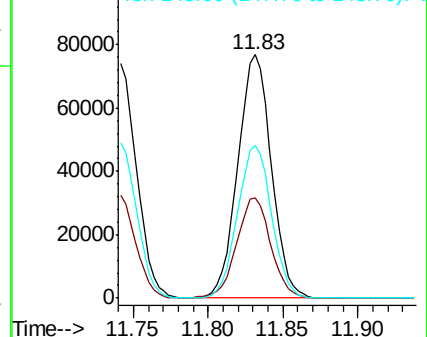
148 62.8 44.0 81.6

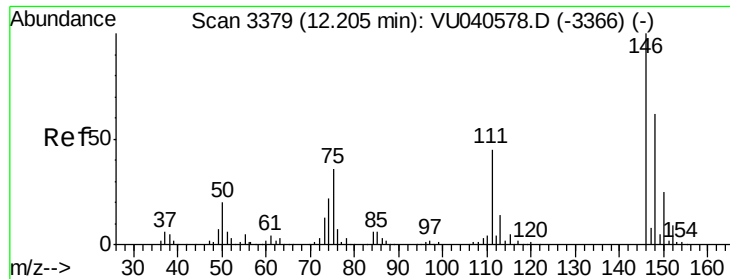


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.987 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040599.D

Acq: 09 Oct 2020 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

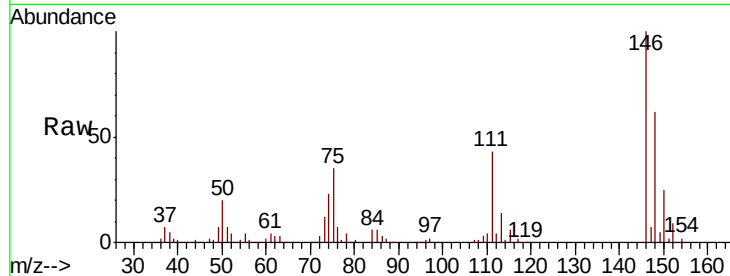
Tot Ion:146 Resp: 115331

Ion Ratio Lower Upper

146 100

111 43.3 34.4 51.6

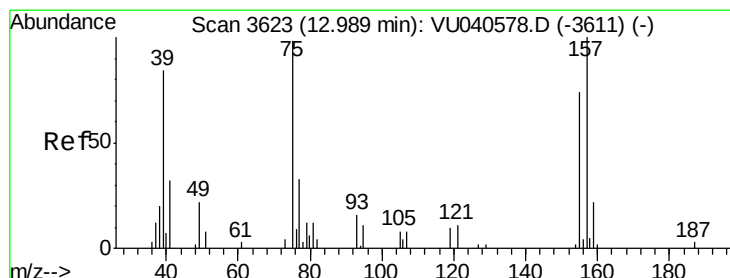
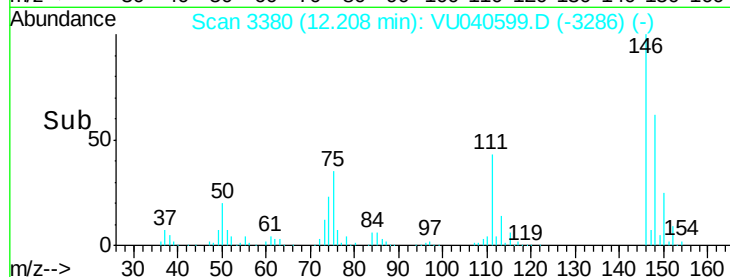
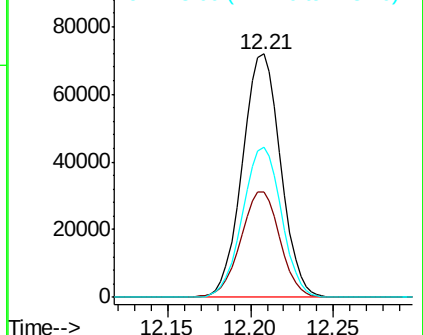
148 61.6 50.0 75.0



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: 4.766 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU040599.D

Acq: 09 Oct 2020 21:27

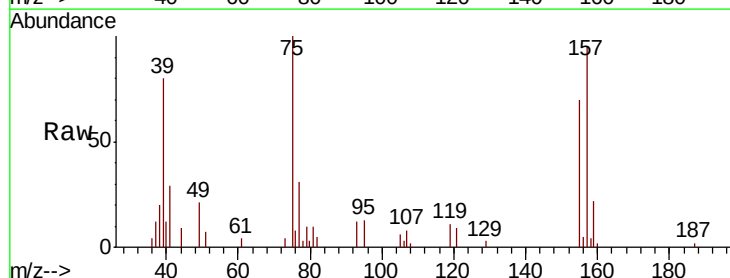
Tgt Ion: 75 Resp: 9650

Ion Ratio Lower Upper

75 100

155 70.2 53.8 80.6

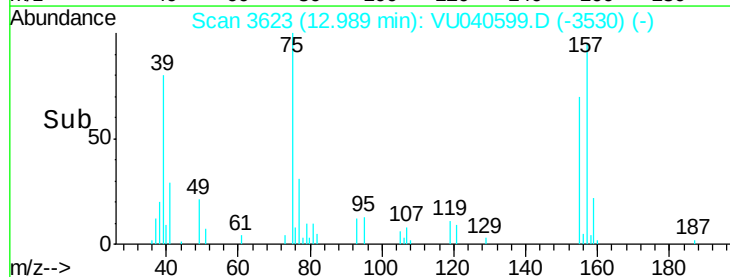
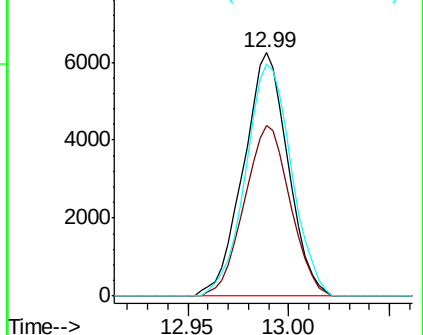
157 95.2 74.6 112.0

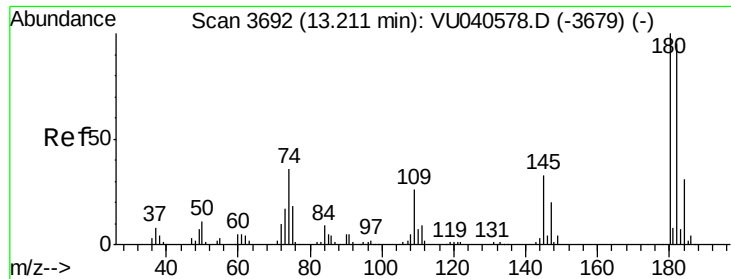


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

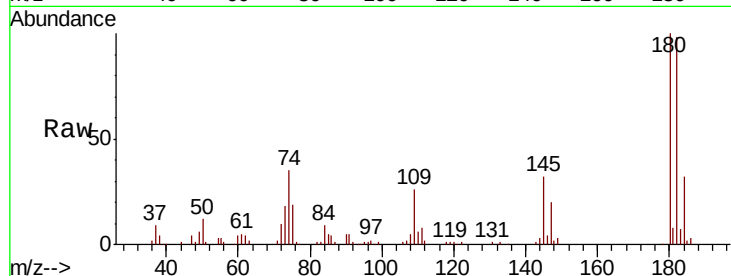




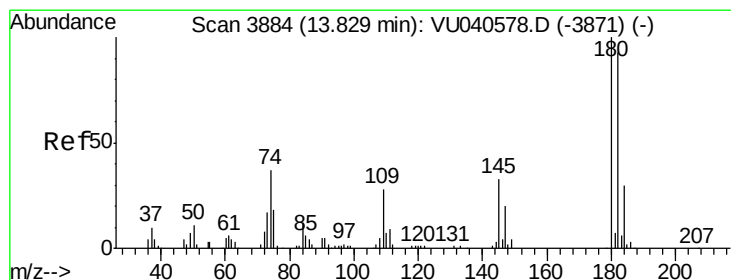
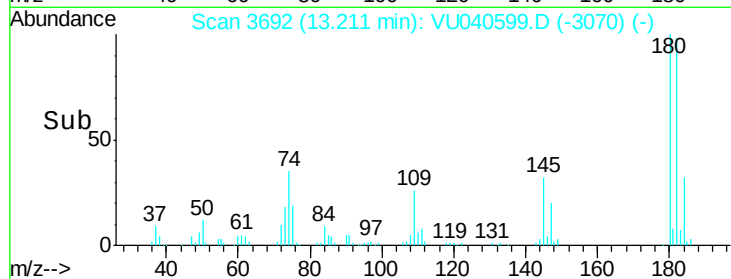
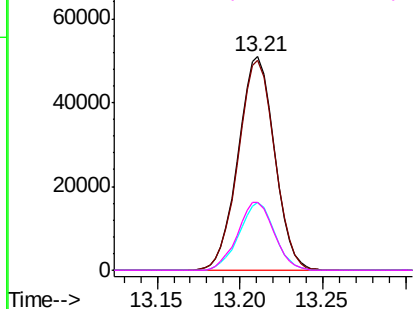
#67
 1,3,5-Trichlorobenzene
 Concen: 4.648 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040599.D
 Acq: 09 Oct 2020 21:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tot Ion:180 Resp: 78003
 Ion Ratio Lower Upper
 180 100
 182 98.2 77.0 115.4
 184 31.0 24.5 36.7
 145 31.8 25.9 38.9

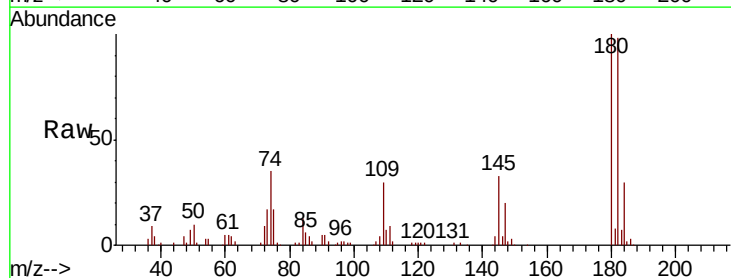


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

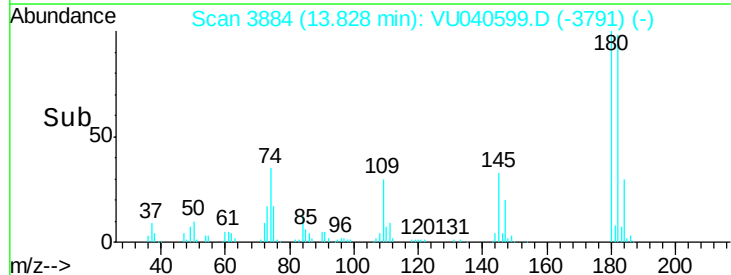
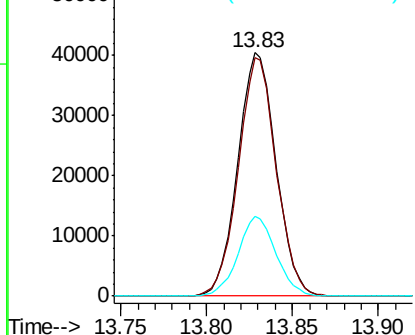


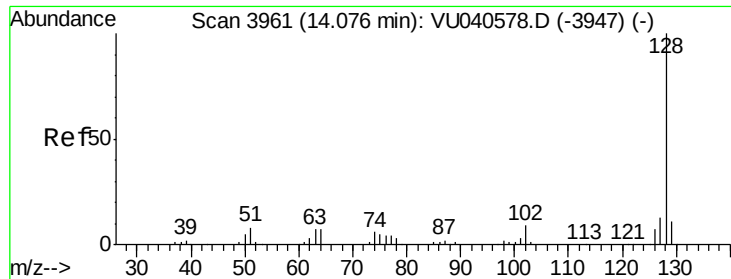
#68
 1,2,4-trichlorobenzene
 Concen: 4.828 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040599.D
 Acq: 09 Oct 2020 21:27

Tgt Ion:180 Resp: 62610
 Ion Ratio Lower Upper
 180 100
 182 96.8 78.8 118.2
 145 32.3 26.1 39.1



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





#69

Naphthalene

Concen: 4.673 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040599.D

Acq: 09 Oct 2020 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

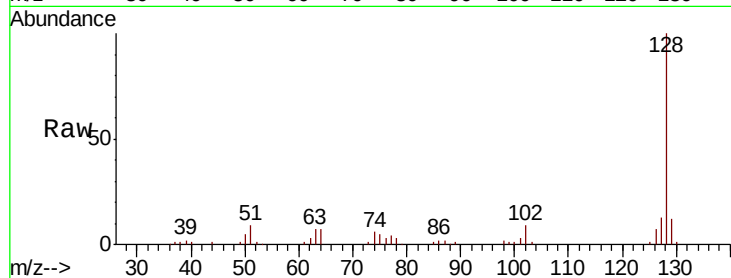
Tot Ion:128 Resp: 99128

Ion Ratio Lower Upper

128 100

129 11.6 9.0 13.4

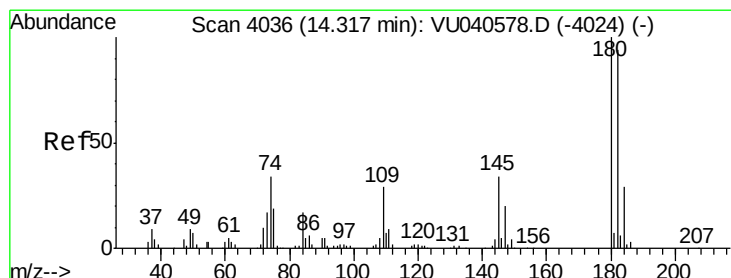
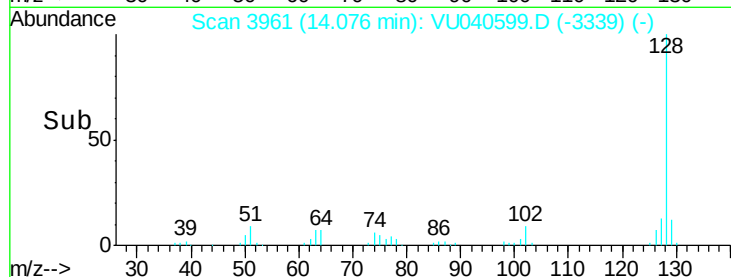
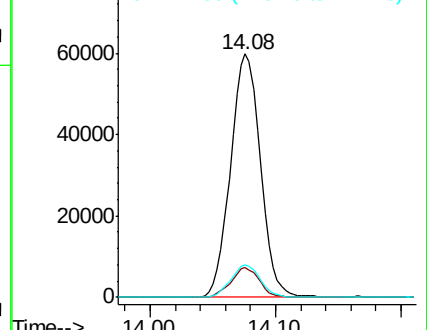
127 13.0 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.952 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040599.D

Acq: 09 Oct 2020 21:27

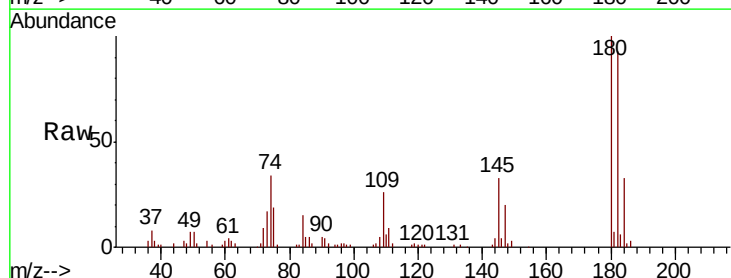
Tgt Ion:180 Resp: 59632

Ion Ratio Lower Upper

180 100

182 93.9 75.8 113.8

145 35.1 27.4 41.2



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

