

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072220\
 Data File : VU039629.D
 Acq On : 22 Jul 2020 14:29
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Quant Time: Jul 23 01:31:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 23 01:28:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	109901	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	111287	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	56990	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	24443	4.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.80%
7) Chloroethane-d5	1.92	69	23340	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.80%
11) 1,1-Dichloroethene-d2	2.58	63	56279	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.20%
20) 2-Butanone-d5	4.66	46	126787	55.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.20%
24) Chloroform-d	5.08	84	65244	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	5.72	65	40804	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.74	84	120241	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
36) 1,2-Dichloropropane-d6	6.70	67	40304	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.91	98	113132	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
43) trans-1,3-Dichloropropene-	8.19	79	17102	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
46) 2-Hexanone-d5	8.64	63	99607	53.21	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.42%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	40938	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	50102	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	27641	5.142	ug/L 99
3) Chloromethane	1.53	50	29202	5.003	ug/L 97
5) Vinyl chloride	1.61	62	31574	5.042	ug/L 99
6) Bromomethane	1.87	94	18425	4.564	ug/L 99
8) Chloroethane	1.94	64	22660	4.377	ug/L 95
9) Trichlorofluoromethane	2.15	101	66192	5.004	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	29864	5.230	ug/L 95
12) 1,1-Dichloroethene	2.59	96	27187	5.231	ug/L 94
13) Acetone	2.67	43	69570	54.330	ug/L 67
14) Carbon disulfide	2.81	76	80046	5.119	ug/L 99
15) Methyl Acetate	2.97	43	17382	5.557	ug/L 97
16) Methylene chloride	3.06	84	33144	4.414	ug/L 98
17) Methyl tert-butyl Ether	3.38	73	81499	4.934	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	30540	5.292	ug/L 92
19) 1,1-Dichloroethane	3.89	63	61412	5.189	ug/L 99
21) 2-Butanone	4.74	43	118388	53.373	ug/L 98
22) cis-1,2-Dichloroethene	4.69	96	34232	5.092	ug/L 93

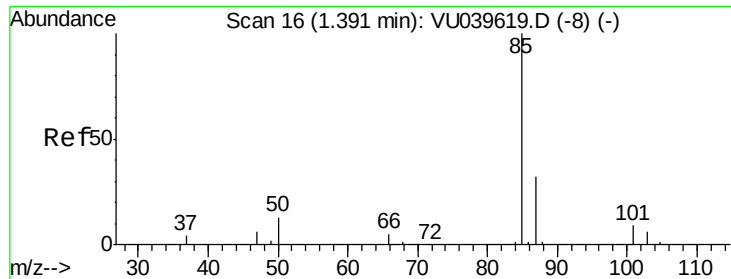
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	16521	5.292	ug/L	99
25) Chloroform	5.11	83	68470	5.074	ug/L	98
27) 1,2-Dichloroethane	5.81	62	46206	5.035	ug/L	96
29) 1,1,1-Trichloroethane	5.33	97	57213	4.866	ug/L	98
30) Cyclohexane	5.40	56	47837	4.619	ug/L	99
31) Carbon tetrachloride	5.54	117	46516	4.624	ug/L	96
33) Benzene	5.79	78	133463	4.991	ug/L	100
34) Trichloroethene	6.56	95	35914	4.877	ug/L	95
35) Methylcyclohexane	6.77	83	49779	4.601	ug/L	97
37) 1,2-Dichloropropane	6.80	63	35660	4.791	ug/L	99
38) Bromodichloromethane	7.12	83	47900	4.891	ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	51363	4.804	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	291853	50.235	ug/L	99
42) Toluene	7.98	91	151728	5.183	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	47558	4.871	ug/L	100
45) 1,1,2-Trichloroethane	8.41	97	27480	4.863	ug/L	98
47) Tetrachloroethene	8.56	164	25323	5.027	ug/L	95
48) 2-Hexanone	8.69	43	218723	50.862	ug/L	100
49) Dibromochloromethane	8.82	129	34329	4.997	ug/L	100
50) 1,2-Dibromoethane	8.93	107	27565	4.979	ug/L	98
51) Chlorobenzene	9.45	112	96360	5.143	ug/L	96
52) Ethylbenzene	9.57	91	167236	5.022	ug/L	99
53) m,p-Xylene	9.70	106	62190	5.005	ug/L	99
54) o-Xylene	10.10	106	61540	5.071	ug/L	98
55) Styrene	10.11	104	107464	5.274	ug/L	99
56) Isopropylbenzene	10.48	105	168097	5.074	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	38011	5.203	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	28323	5.188	ug/L	100
61) Bromoform	10.29	173	18923	4.689	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	78744	5.085	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	79849	5.122	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	76603	5.122	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	6034	5.277	ug/L #	83
67) 1,3,5-Trichlorobenzene	13.21	180	58328	5.234	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	47240	5.162	ug/L	95
69) Naphthalene	14.08	128	75927	4.899	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	42628	5.242	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.142 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039629.D

Acq: 22 Jul 2020 14:29

Instrument :

MSVOA_U

ClientSampleId :

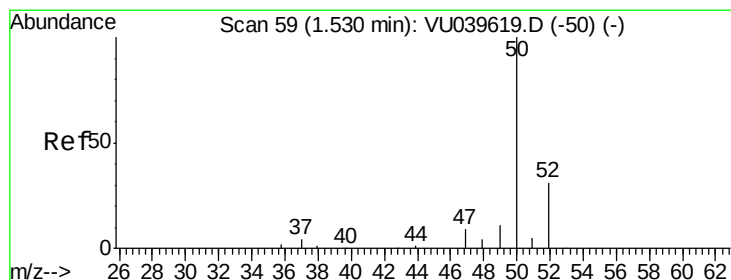
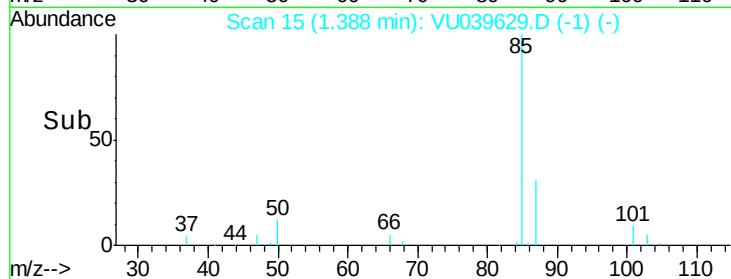
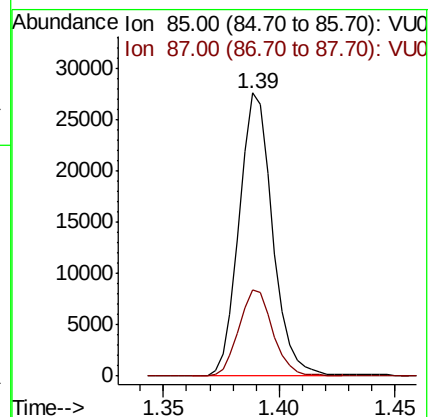
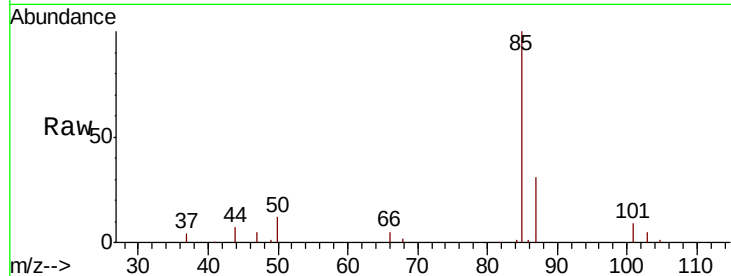
VSTD00509

Tot Ion: 85 Resp: 27641

Ion Ratio Lower Upper

85 100

87 31.0 24.5 36.7



#3

Chloromethane

Concen: 5.003 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039629.D

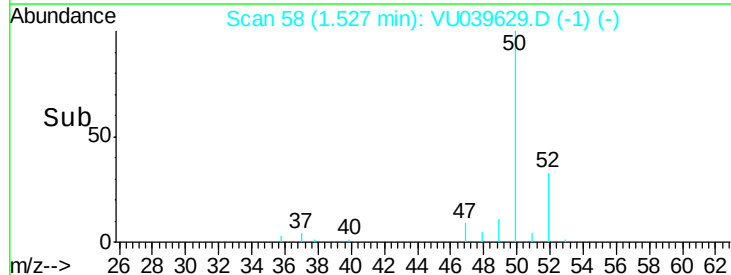
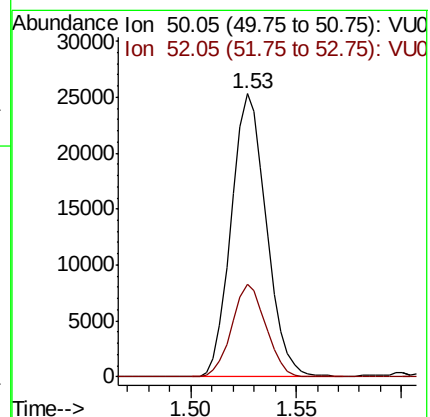
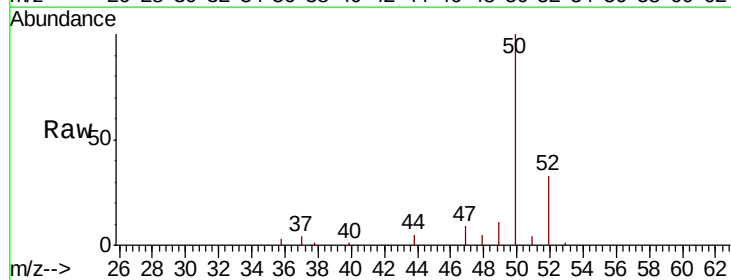
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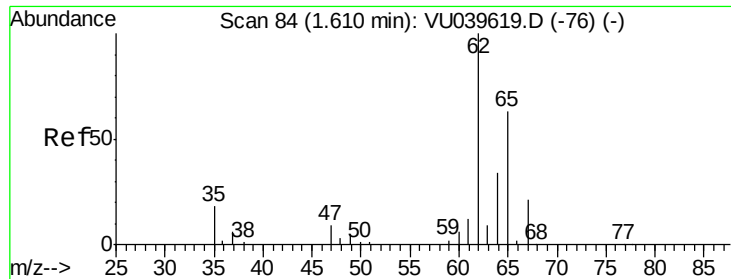
Tgt Ion: 50 Resp: 29202

Ion Ratio Lower Upper

50 100

52 32.6 23.9 44.5





#5

Vinyl chloride

Concen: 5.042 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039629.D

Acq: 22 Jul 2020 14:29

Instrument :

MSVOA_U

ClientSampleId :

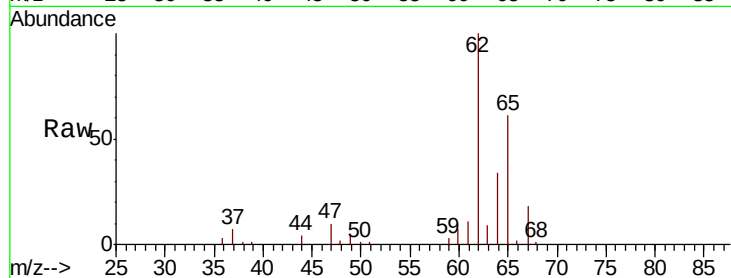
VSTD00509

Tot Ion: 62 Resp: 31574

Ion Ratio Lower Upper

62 100

64 33.9 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

30000

25000

20000

15000

10000

5000

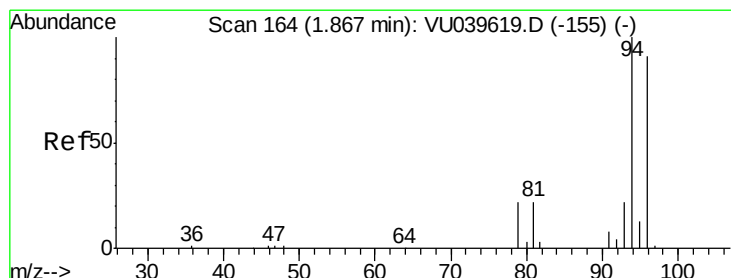
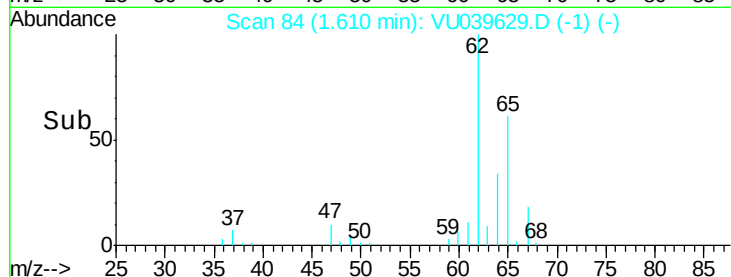
0

Time-->

1.55

1.60

1.65



#6

Bromomethane

Concen: 4.564 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039629.D

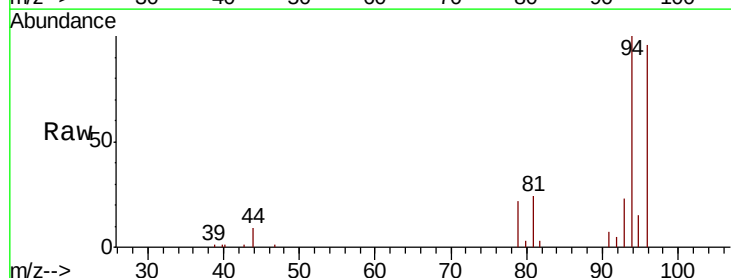
Acq: 22 Jul 2020 14:29

Tgt Ion: 94 Resp: 18425

Ion Ratio Lower Upper

94 100

96 96.5 68.0 126.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

15000

10000

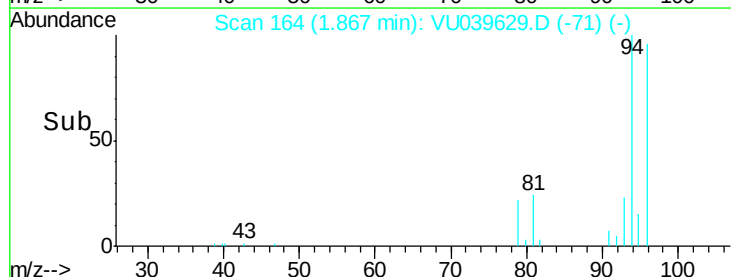
5000

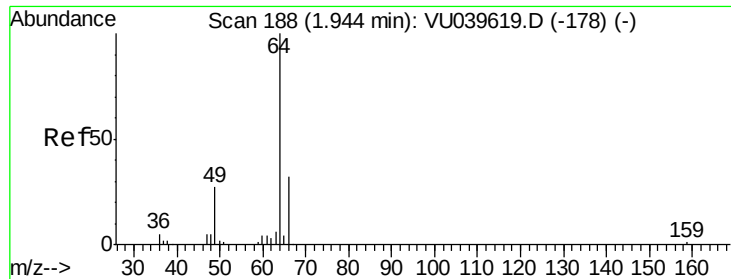
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Time-->

1.85

1.90

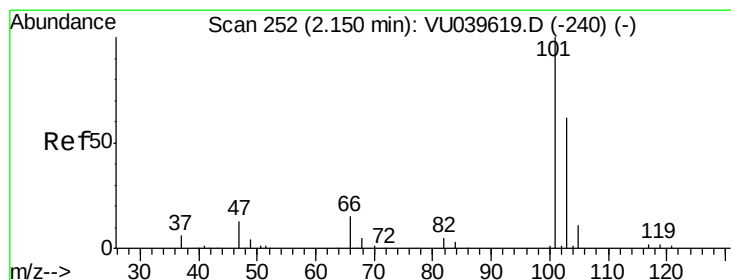
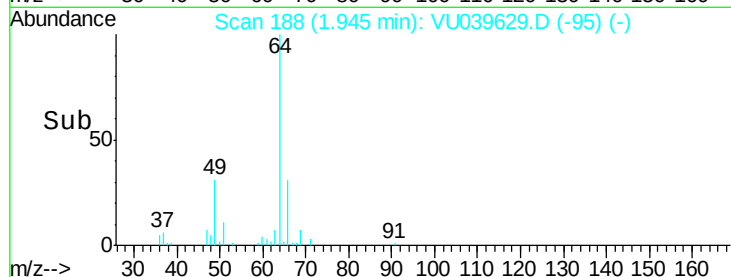
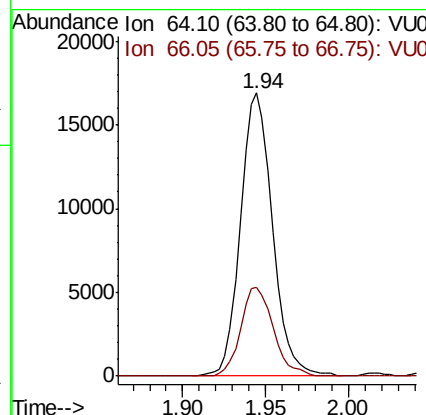
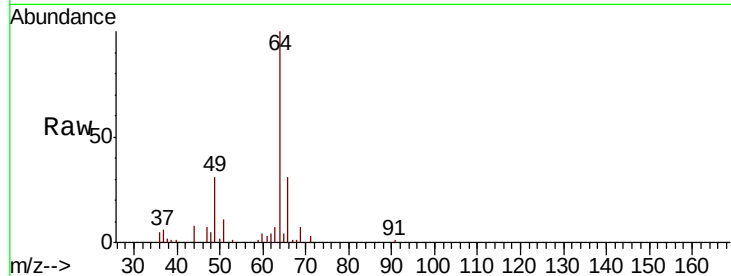




#8
Chloroethane
Concen: 4.377 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU039629.D
Acq: 22 Jul 2020 14:29

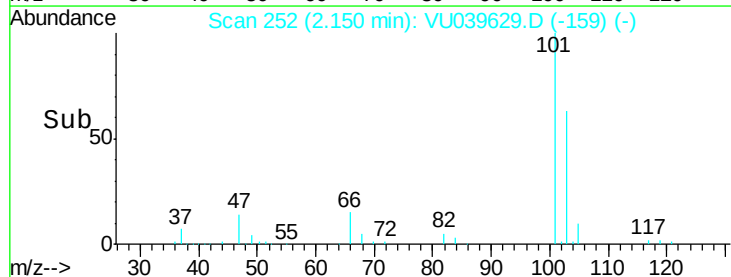
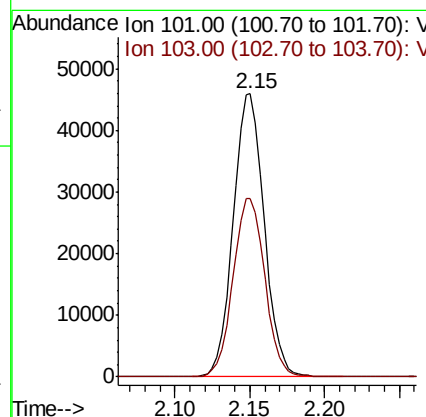
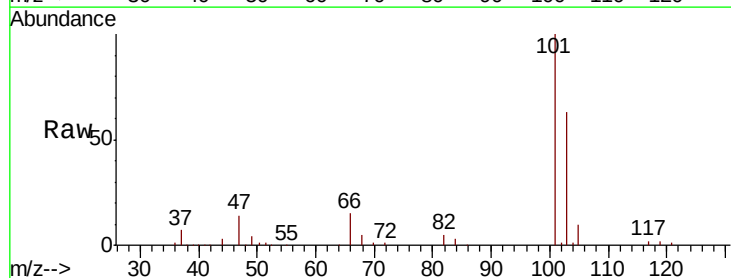
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

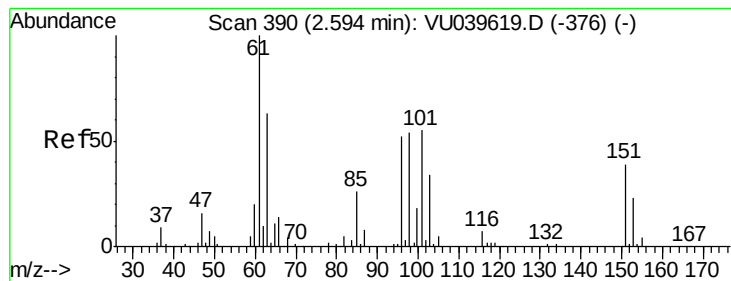
Tot Ion: 64 Resp: 22660
Ion Ratio Lower Upper
64 100
66 31.4 24.0 44.6



#9
Trichlorofluoromethane
Concen: 5.004 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU039629.D
Acq: 22 Jul 2020 14:29

Tgt Ion: 101 Resp: 66192
Ion Ratio Lower Upper
101 100
103 64.5 50.6 75.8





#10

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

Concen: 5.230 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039629.D

Acq: 22 Jul 2020 14:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

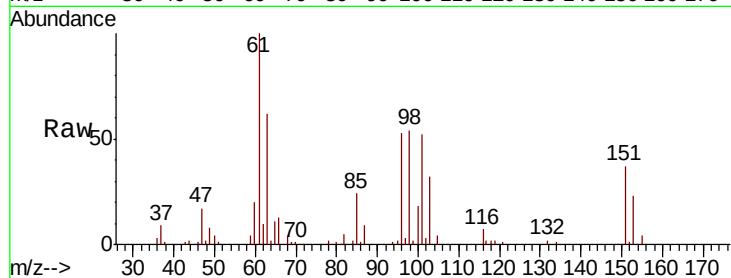
Tot Ion:101 Resp: 29864

Ion Ratio Lower Upper

101 100

85 47.9 38.7 58.1

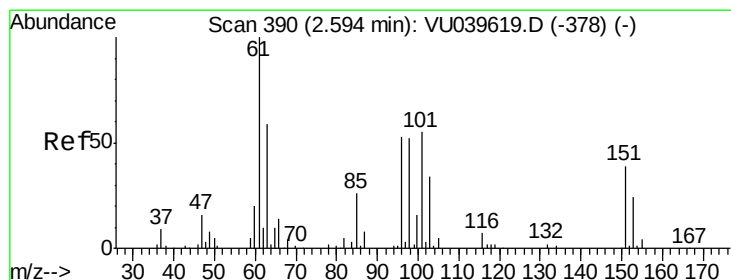
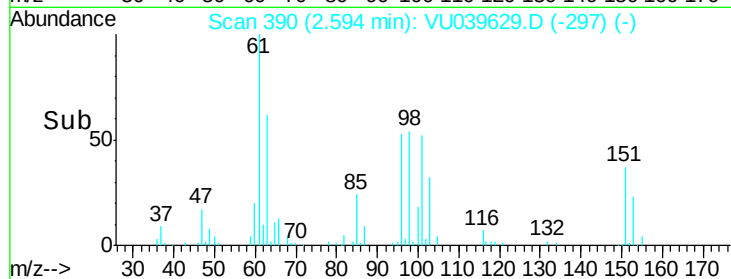
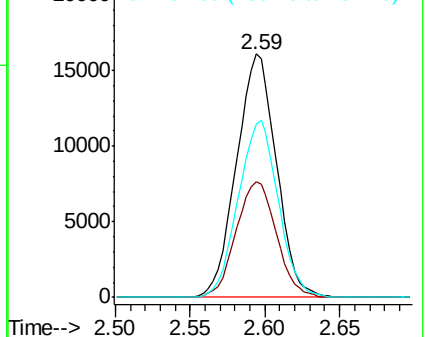
151 72.7 53.4 80.2



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: 5.231 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039629.D

Acq: 22 Jul 2020 14:29

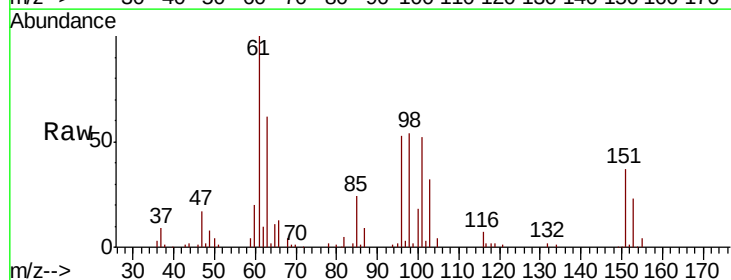
Tgt Ion: 96 Resp: 27187

Ion Ratio Lower Upper

96 100

61 190.1 129.1 239.7

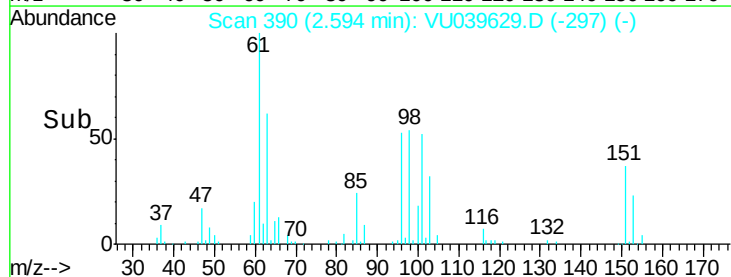
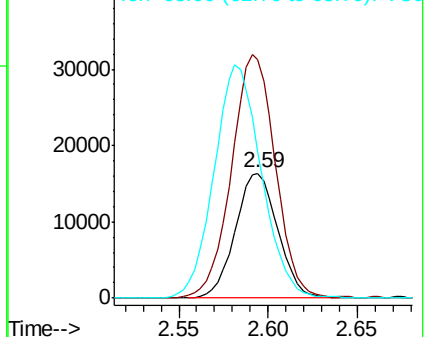
63 117.1 89.7 166.7

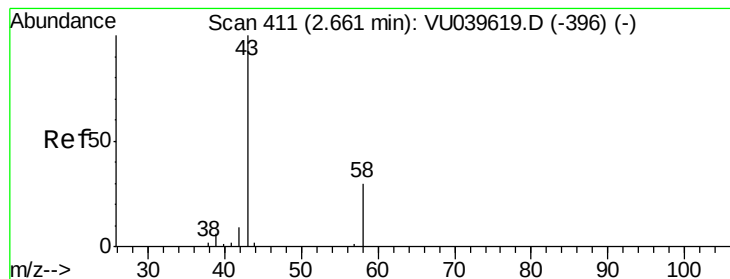


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 54.330 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU039629.D

Acq: 22 Jul 2020 14:29

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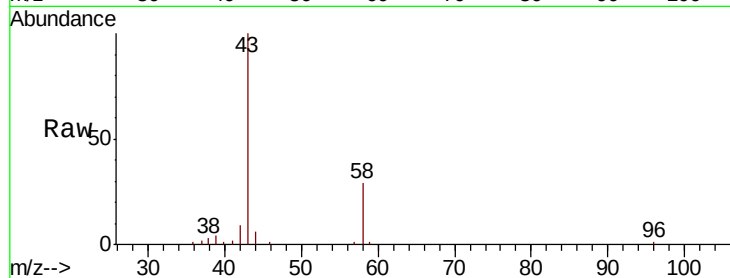
VSTD00509

Tot Ion: 43 Resp: 69570

Ion Ratio Lower Upper

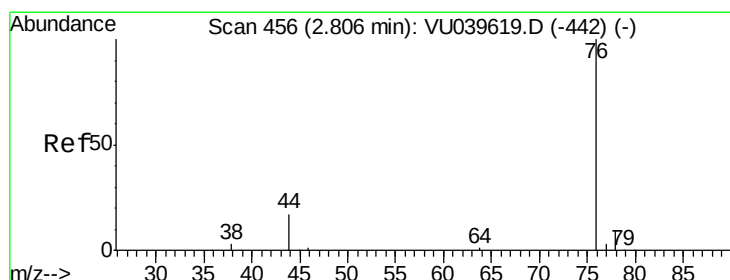
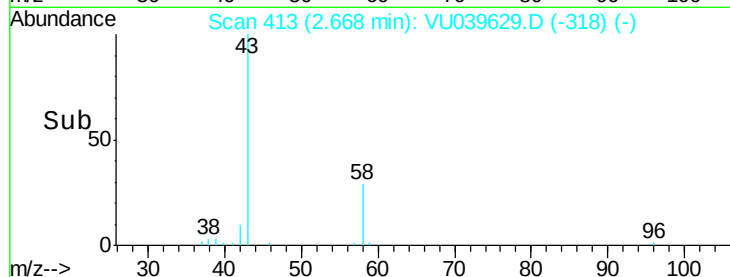
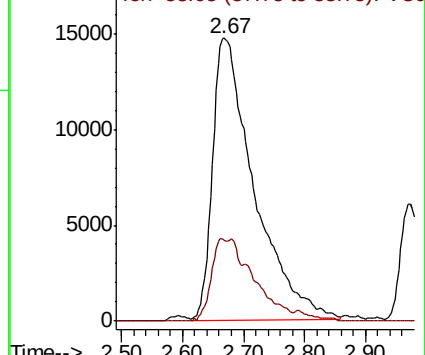
43 100

58 11.6 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VU039629.D (-318) (-)

Ion 58.05 (57.75 to 58.75): VU039629.D (-318) (-)



#14

Carbon disulfide

Concen: 5.119 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039629.D

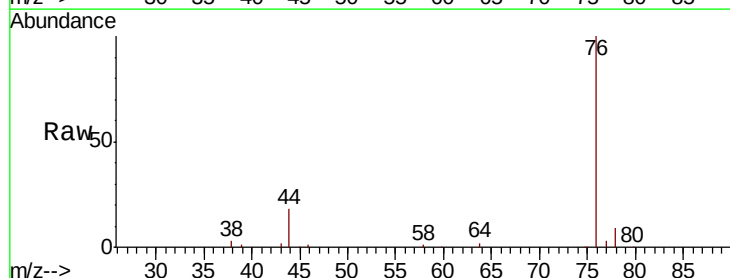
Acq: 22 Jul 2020 14:29

Tgt Ion: 76 Resp: 80046

Ion Ratio Lower Upper

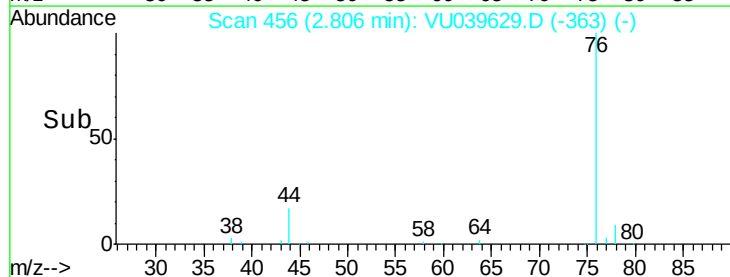
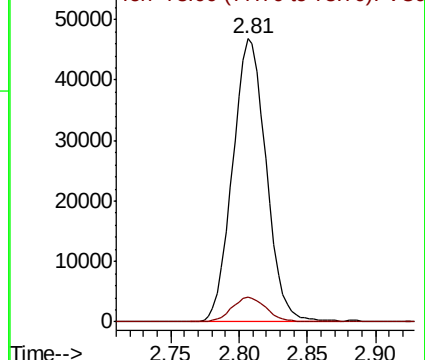
76 100

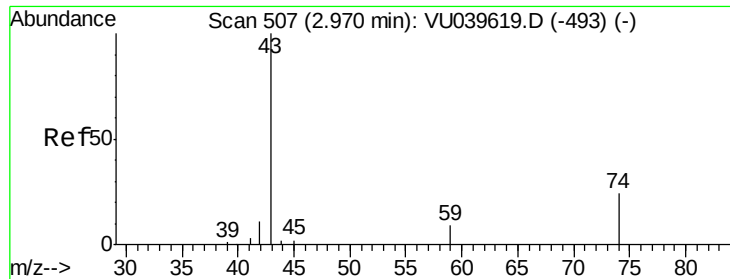
78 8.7 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU039629.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU039629.D (-363) (-)

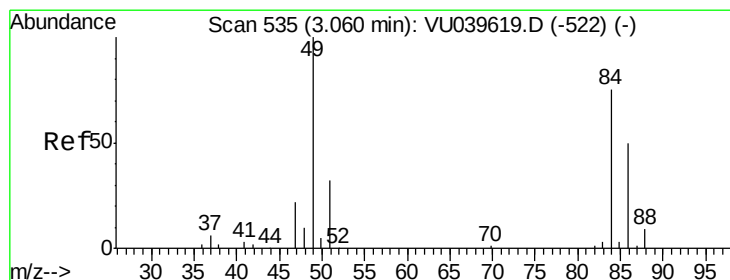
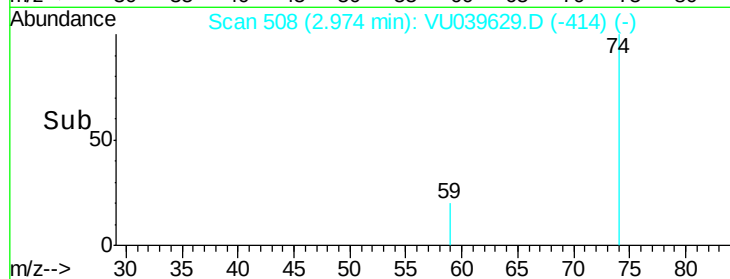
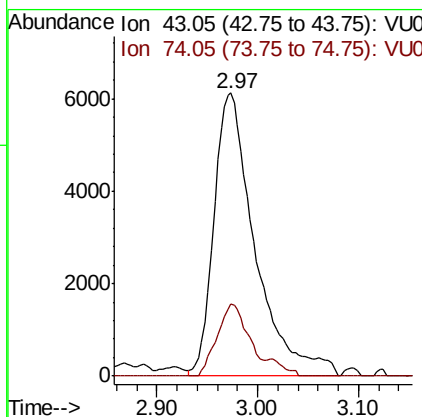
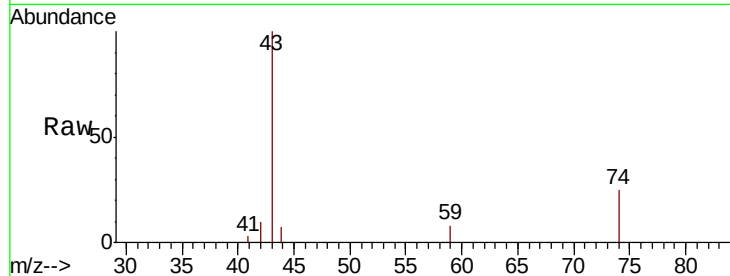




#15
Methvl Acetate
Concen: 5.557 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.00 min
Lab File: VU039629.D
Acq: 22 Jul 2020 14:29

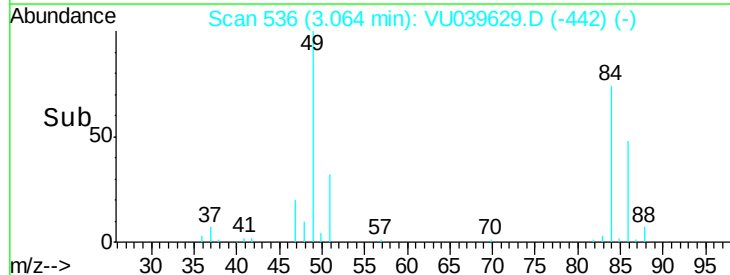
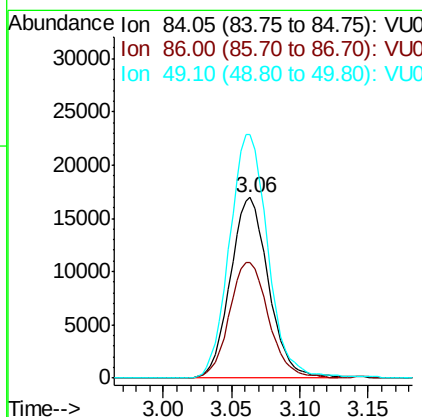
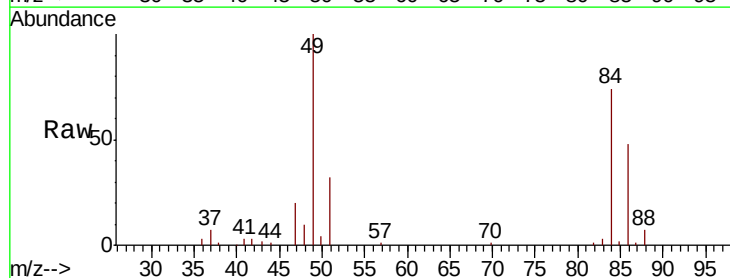
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

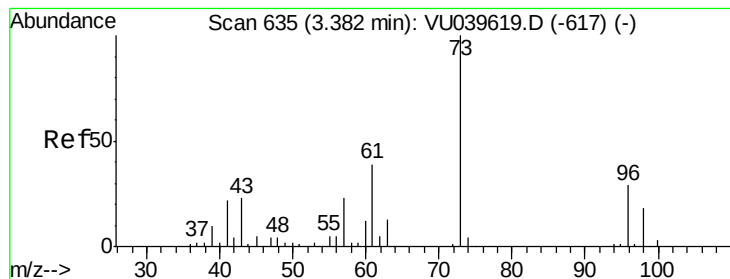
Tot Ion: 43 Resp: 17382
Ion Ratio Lower Upper
43 100
74 19.3 16.6 24.8



#16
Methylene chloride
Concen: 4.414 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039629.D
Acq: 22 Jul 2020 14:29

Tgt Ion: 84 Resp: 33144
Ion Ratio Lower Upper
84 100
86 64.4 43.8 81.4
49 134.9 92.7 172.3





#17

Methyl tert-butyl Ether

Concen: 4.934 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU039629.D

Acq: 22 Jul 2020 14:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

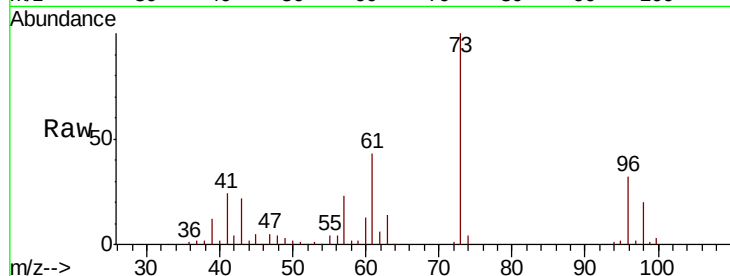
Tot Ion: 73 Resp: 81499

Ion Ratio Lower Upper

73 100

43 23.8 18.2 27.4

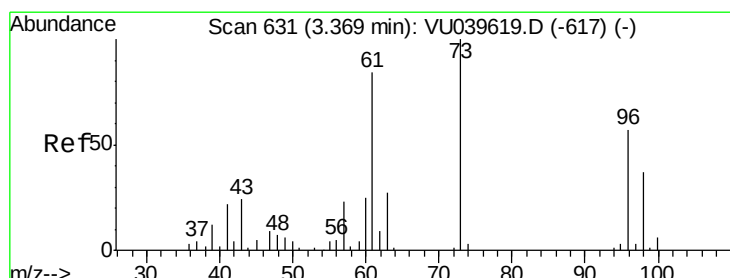
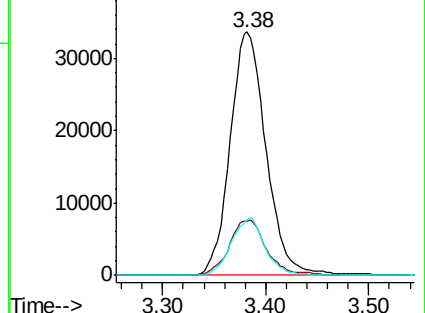
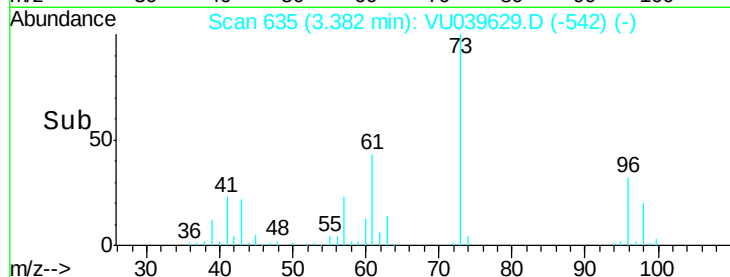
57 22.2 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU039629.D (-542) (-)

Ion 43.05 (42.75 to 43.75): VU039629.D (-542) (-)

Ion 57.10 (56.80 to 57.80): VU039629.D (-542) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.292 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU039629.D

Acq: 22 Jul 2020 14:29

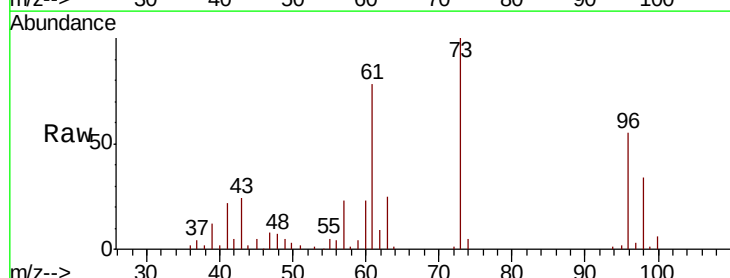
Tgt Ion: 96 Resp: 30540

Ion Ratio Lower Upper

96 100

61 140.0 106.5 197.9

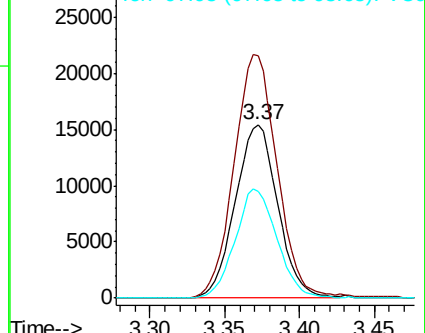
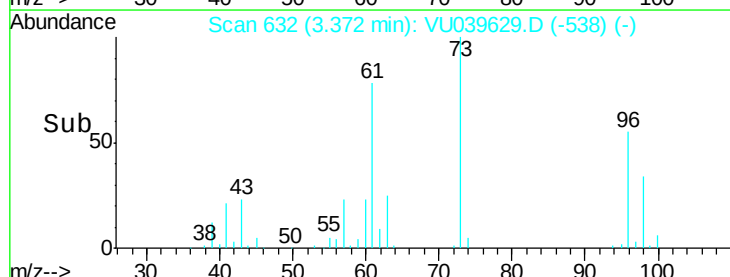
98 61.4 45.2 84.0

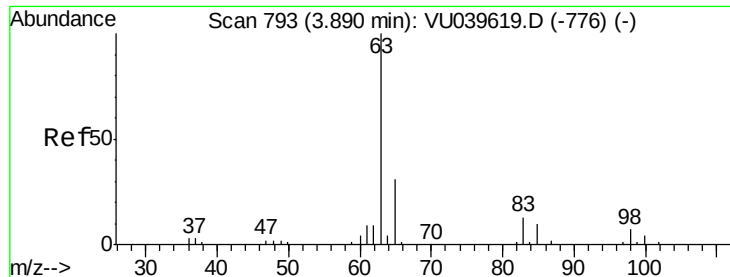


Abundance Ion 96.00 (95.70 to 96.70): VU039629.D (-538) (-)

Ion 61.05 (60.75 to 61.75): VU039629.D (-538) (-)

Ion 97.95 (97.65 to 98.65): VU039629.D (-538) (-)

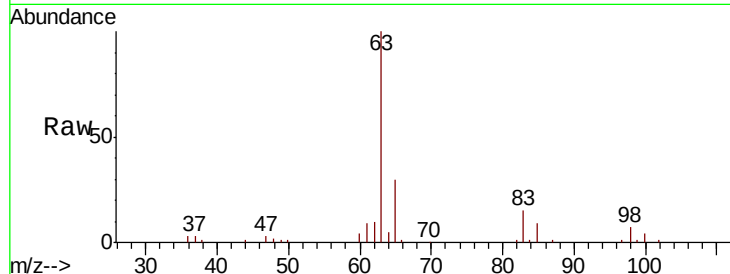




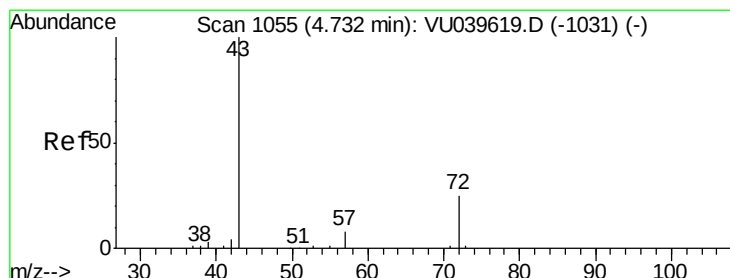
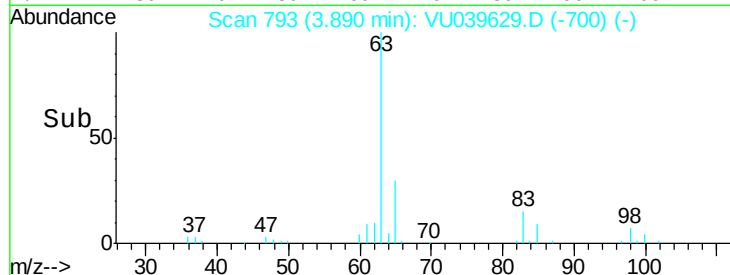
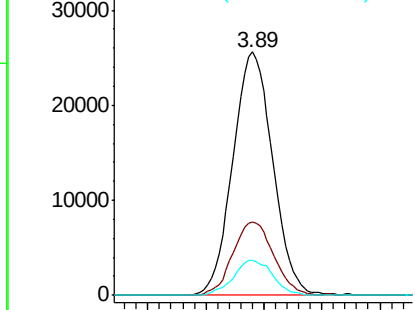
#19
 1,1-Dichloroethane
 Concen: 5.189 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU039629.D
 Acq: 22 Jul 2020 14:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tot Ion: 63 Resp: 61412
 Ion Ratio Lower Upper
 63 100
 65 30.2 21.8 40.4
 83 14.6 10.2 19.0

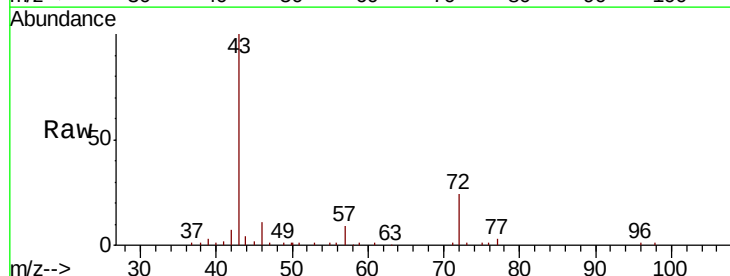


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

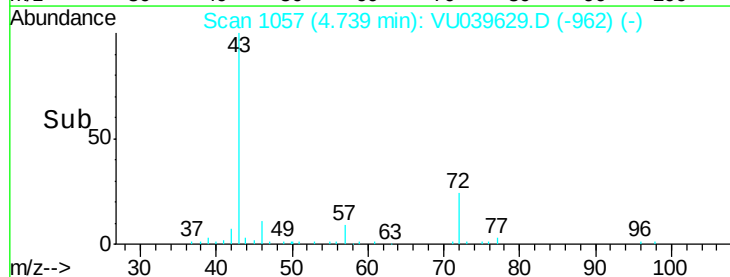
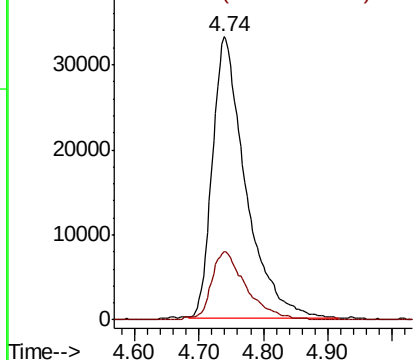


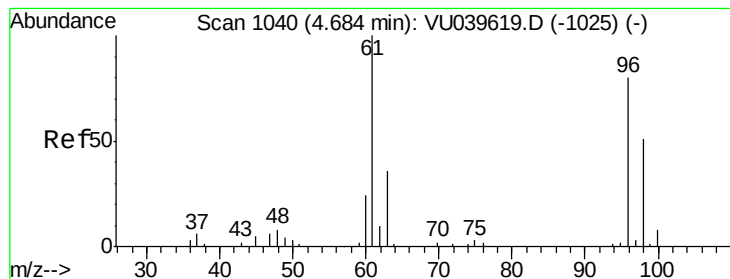
#21
 2-Butanone
 Concen: 53.373 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: VU039629.D
 Acq: 22 Jul 2020 14:29

Tgt Ion: 43 Resp: 118388
 Ion Ratio Lower Upper
 43 100
 72 25.4 12.2 36.4



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





#22

cis-1,2-Dichloroethene

Concen: 5.092 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039629.D

Acq: 22 Jul 2020 14:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

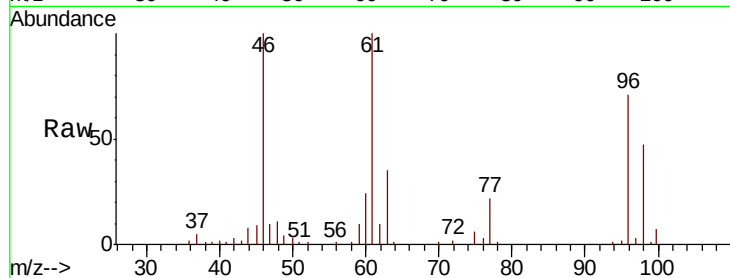
Tot Ion: 96 Resp: 34232

Ion Ratio Lower Upper

96 100

61 141.3 93.0 172.8

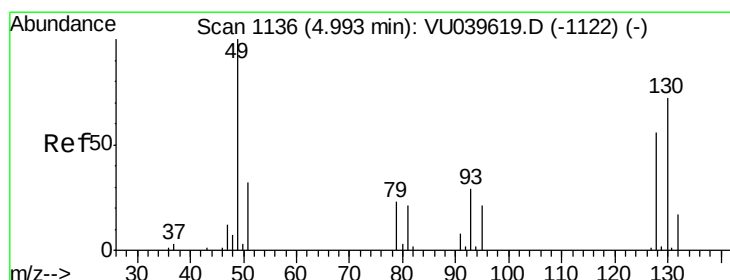
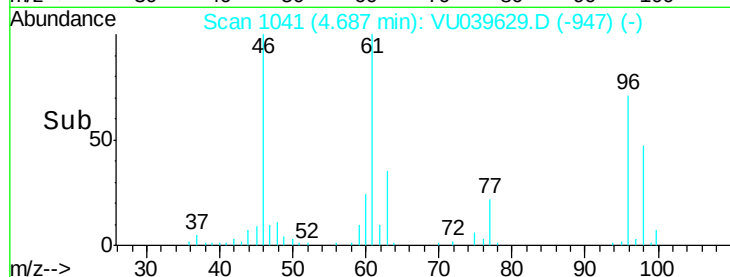
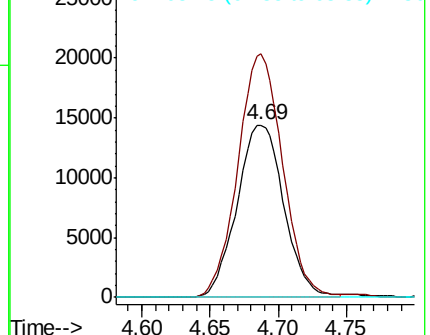
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039619.D (-1025) (-)

Ion 61.05 (60.75 to 61.75): VU039619.D (-1025) (-)

Ion 68.15 (67.85 to 68.85): VU039619.D (-1025) (-)



#23

Bromochloromethane

Concen: 5.292 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU039629.D

Acq: 22 Jul 2020 14:29

Tgt Ion: 128 Resp: 16521

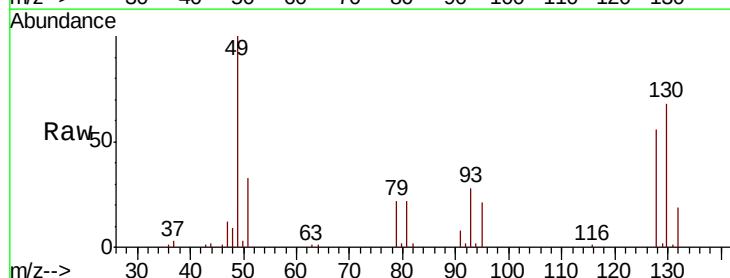
Ion Ratio Lower Upper

128 100

49 177.9 123.1 228.7

130 120.6 83.2 154.4

51 58.1 46.2 69.2

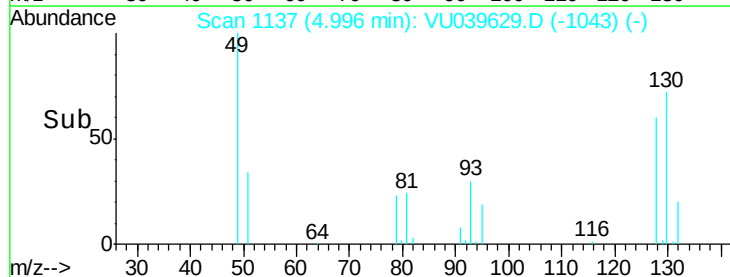
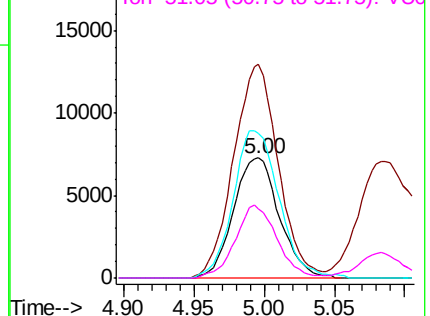


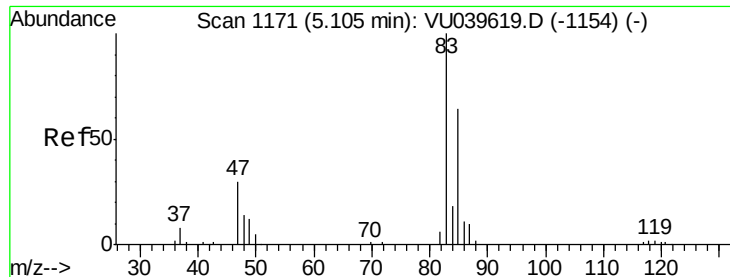
Abundance Ion 127.90 (127.60 to 128.60): VU039619.D (-1122) (-)

Ion 49.10 (48.80 to 49.80): VU039619.D (-1122) (-)

Ion 129.95 (129.65 to 130.65): VU039619.D (-1122) (-)

Ion 51.05 (50.75 to 51.75): VU039619.D (-1122) (-)

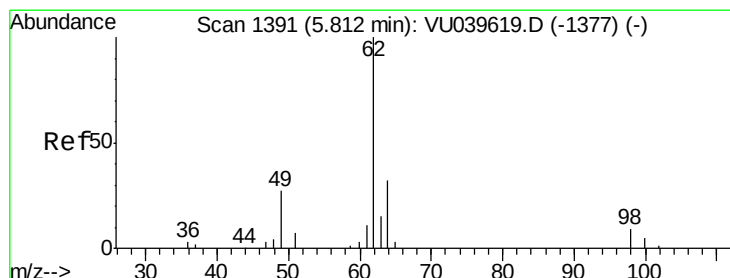
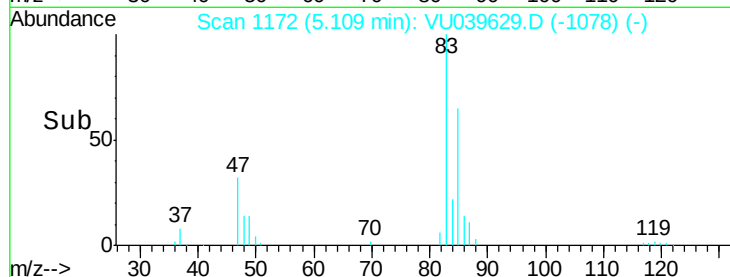
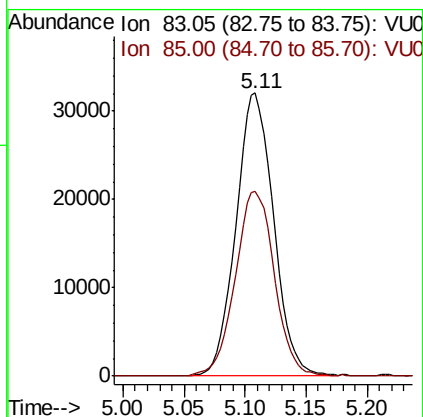
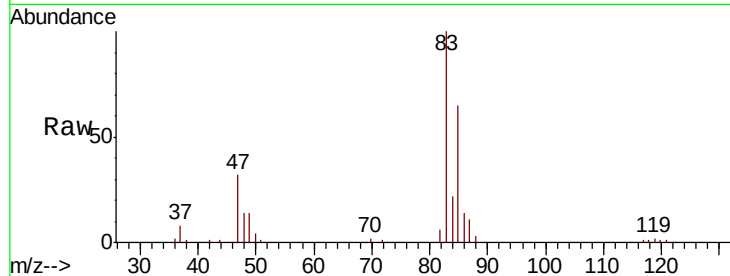




#25
Chloroform
Concen: 5.074 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039629.D
Acq: 22 Jul 2020 14:29

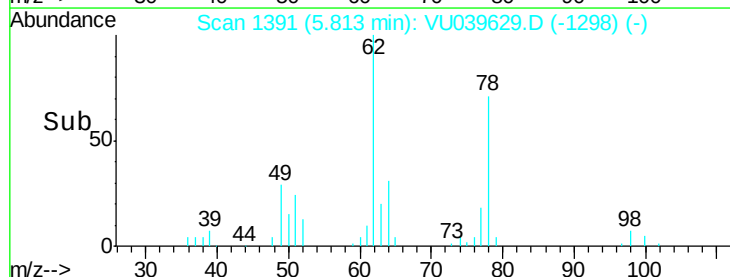
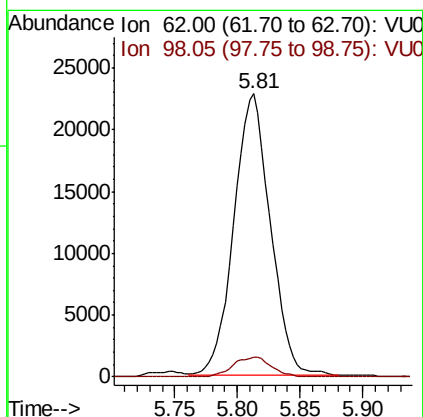
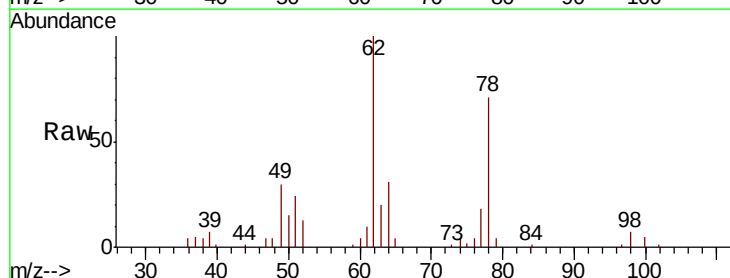
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

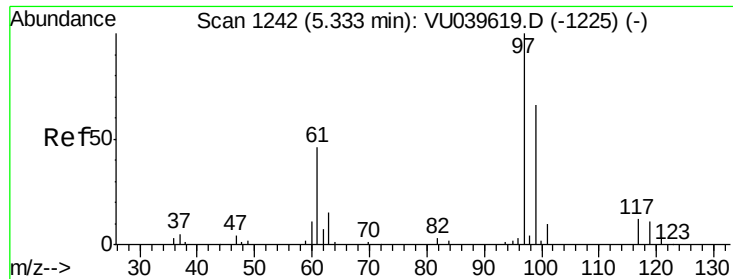
Tot Ion: 83 Resp: 68470
Ion Ratio Lower Upper
83 100
85 65.4 44.4 82.5



#27
1,2-Dichloroethane
Concen: 5.035 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039629.D
Acq: 22 Jul 2020 14:29

Tgt Ion: 62 Resp: 46206
Ion Ratio Lower Upper
62 100
98 7.1 6.7 10.1

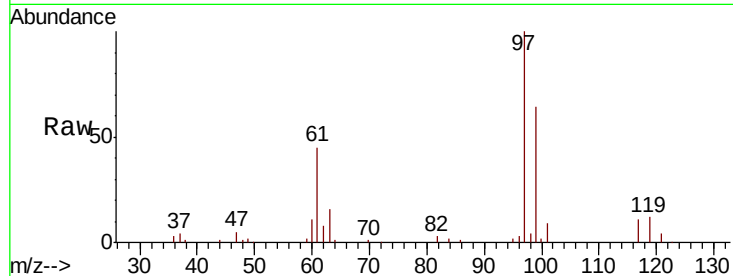




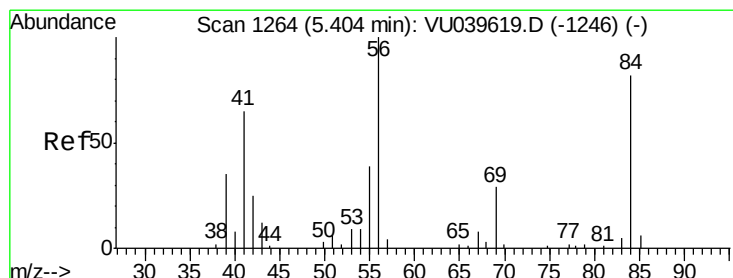
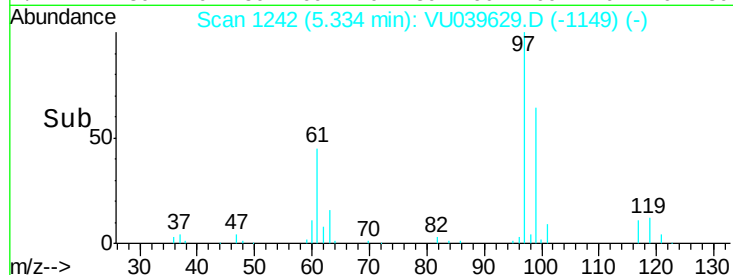
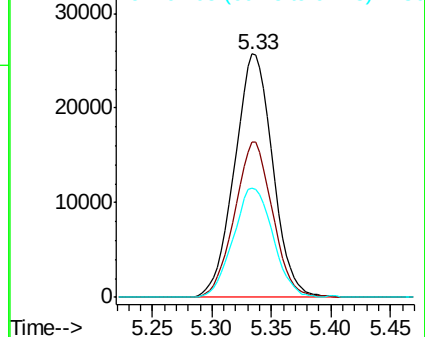
#29
 1,1,1-Trichloroethane
 Concen: 4.866 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU039629.D
 Acq: 22 Jul 2020 14:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tot Ion: 97 Resp: 57213
 Ion Ratio Lower Upper
 97 100
 99 63.5 49.5 74.3
 61 46.8 38.8 58.2

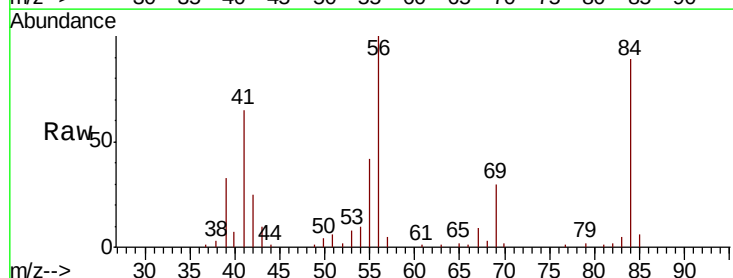


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

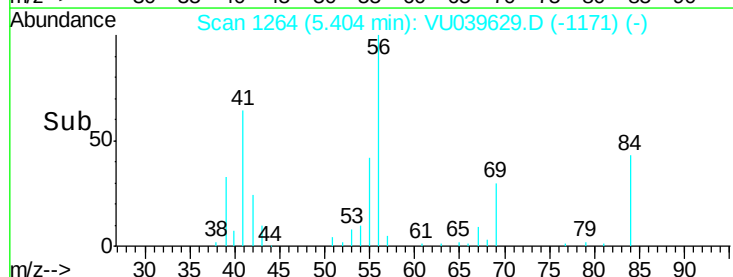
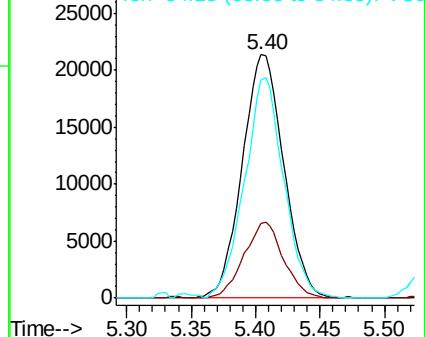


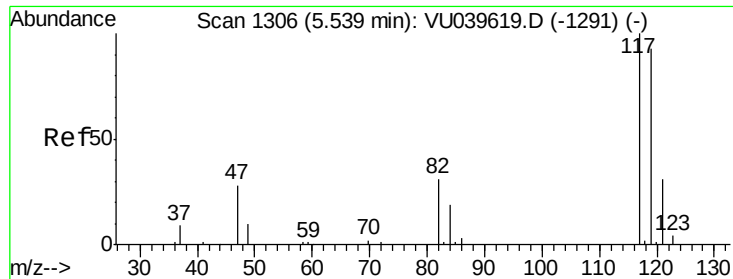
#30
 Cyclohexane
 Concen: 4.619 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU039629.D
 Acq: 22 Jul 2020 14:29

Tgt Ion: 56 Resp: 47837
 Ion Ratio Lower Upper
 56 100
 69 29.6 24.0 36.0
 84 85.9 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: 4.624 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU039629.D

Acq: 22 Jul 2020 14:29

Instrument :

MSVOA_U

ClientSampleId :

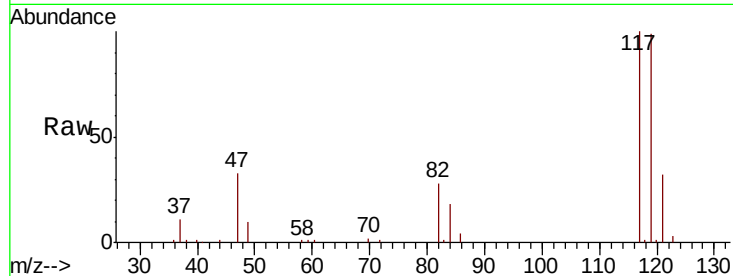
VSTD00509

Tot Ion:117 Resp: 46516

Ion Ratio Lower Upper

117 100

119 98.4 75.7 113.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

25000

20000

15000

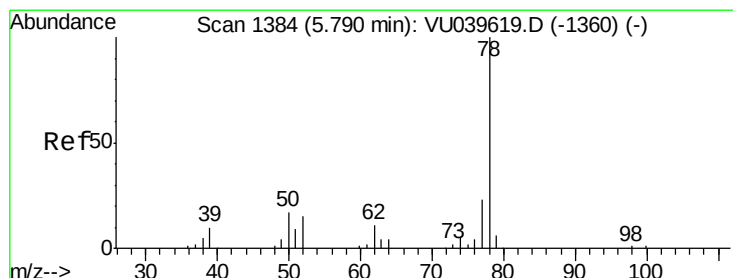
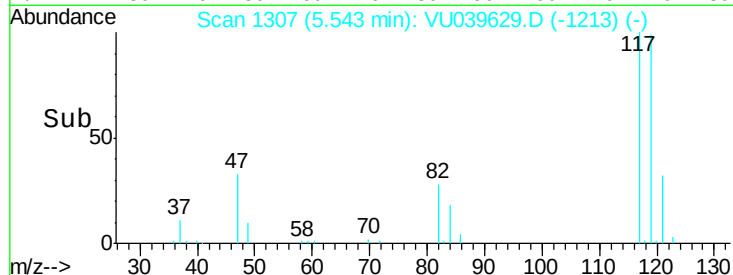
10000

5000

0

Time-->

5.45 5.50 5.55 5.60



#33

Benzene

Concen: 4.991 ug/L

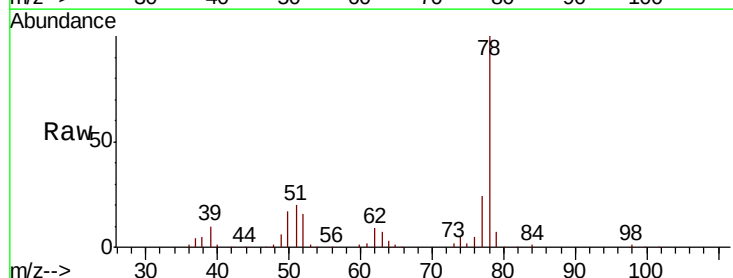
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU039629.D

Acq: 22 Jul 2020 14:29

Tgt Ion: 78 Resp: 133463



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.79

60000

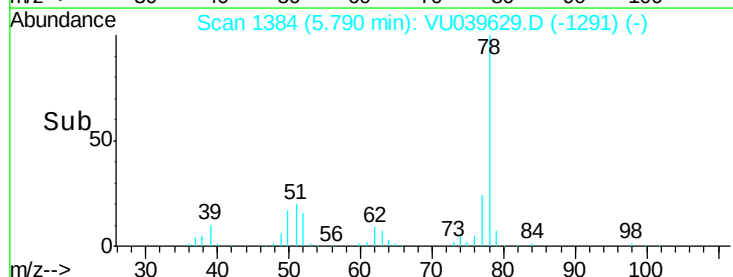
40000

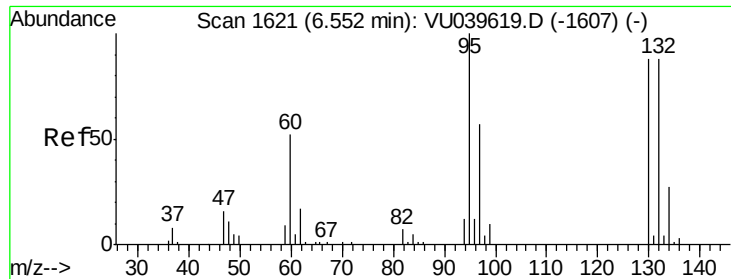
20000

0

Time-->

5.70 5.80 5.90

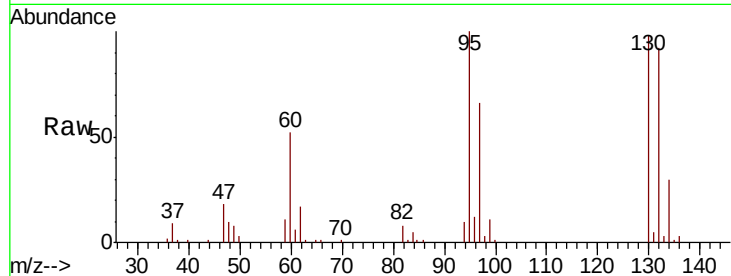




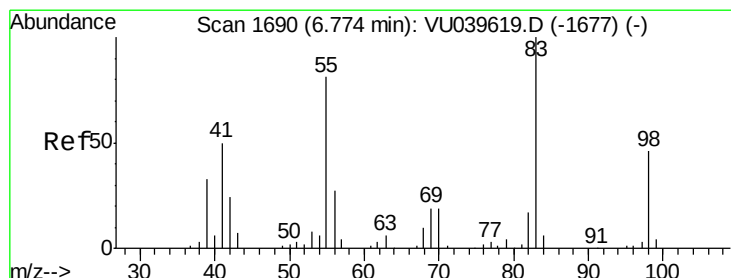
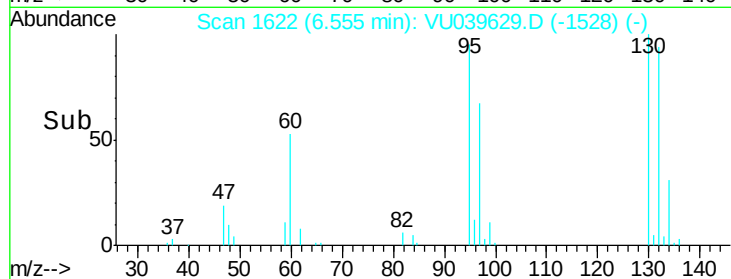
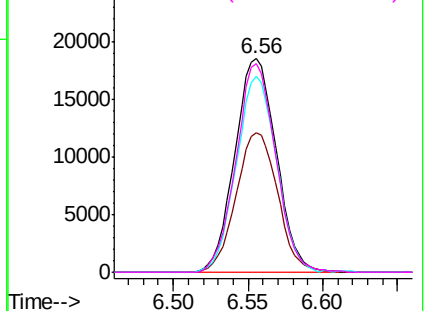
#34
 Trichloroethene
 Concen: 4.877 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039629.D
 Acq: 22 Jul 2020 14:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tot Ion: 95 Resp: 35914
 Ion Ratio Lower Upper
 95 100
 97 65.5 44.9 83.3
 132 91.6 62.8 116.6
 130 97.5 61.5 114.1

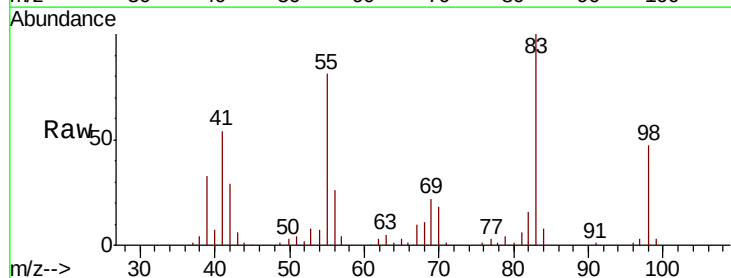


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

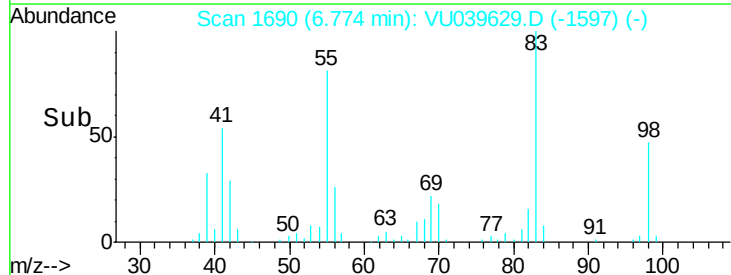
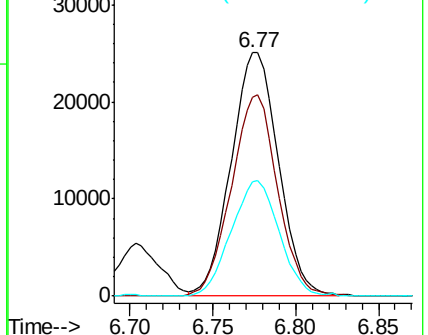


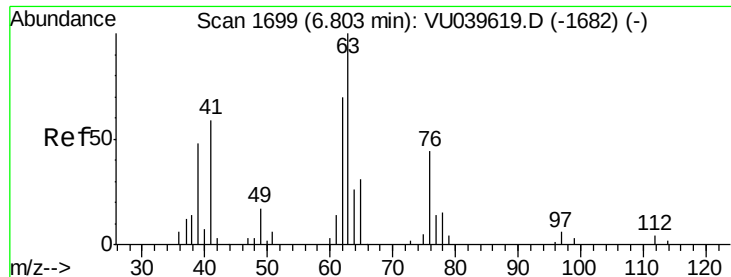
#35
 Methylcyclohexane
 Concen: 4.601 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU039629.D
 Acq: 22 Jul 2020 14:29

Tgt Ion: 83 Resp: 49779
 Ion Ratio Lower Upper
 83 100
 55 80.7 63.0 94.6
 98 47.7 35.3 52.9



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

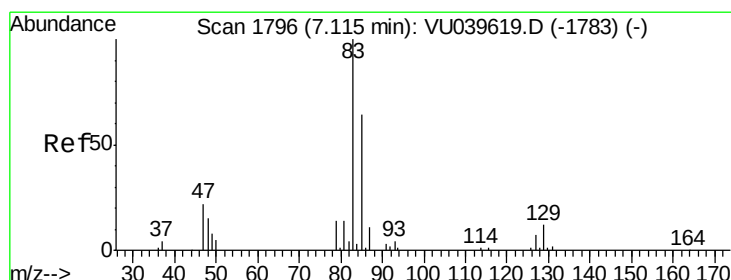
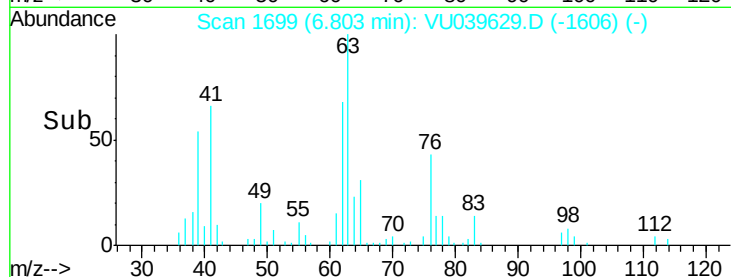
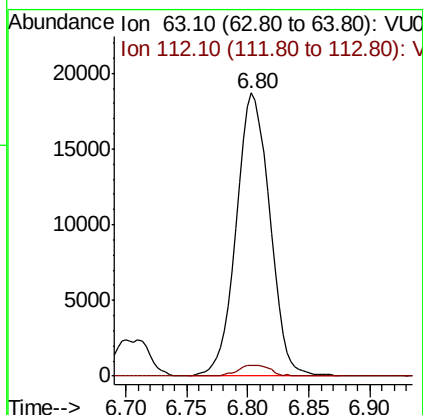
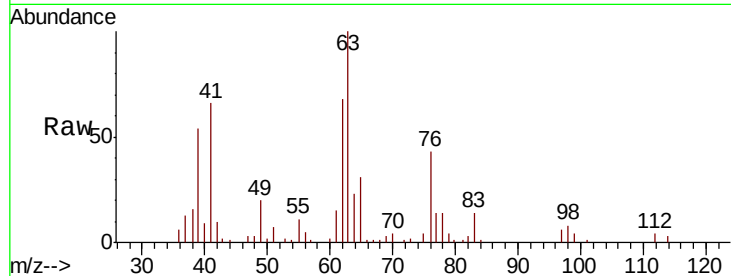




#37
 1,2-Dichloropropane
 Concen: 4.791 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU039629.D
 Acq: 22 Jul 2020 14:29

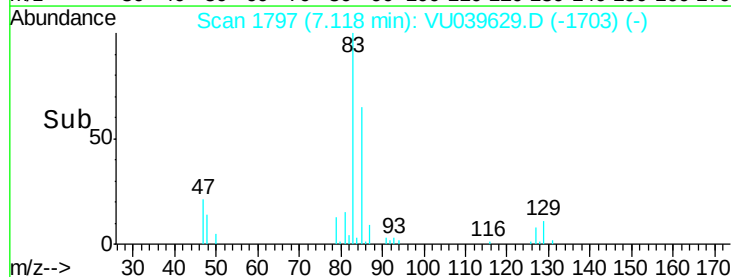
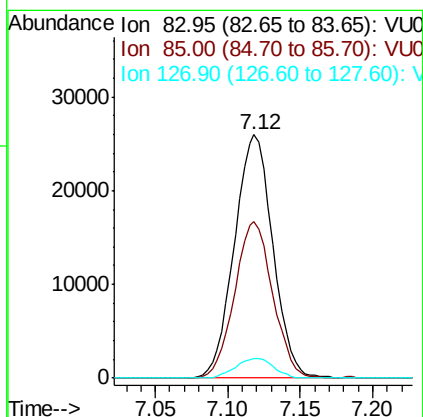
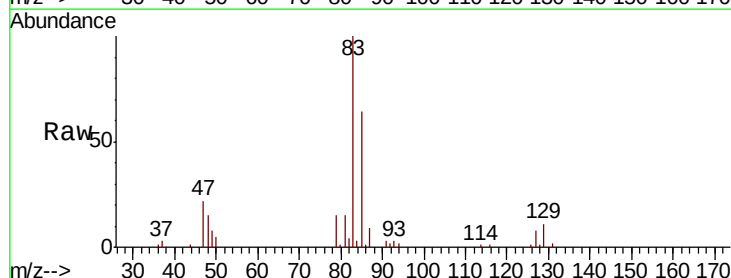
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

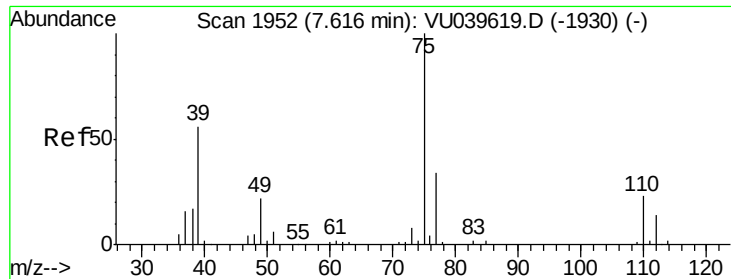
Tot Ion: 63 Resp: 35660
 Ion Ratio Lower Upper
 63 100
 112 3.7 2.7 4.1



#38
 Bromodichloromethane
 Concen: 4.891 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU039629.D
 Acq: 22 Jul 2020 14:29

Tgt Ion: 83 Resp: 47900
 Ion Ratio Lower Upper
 83 100
 85 64.2 46.6 86.6
 127 8.1 7.0 10.6

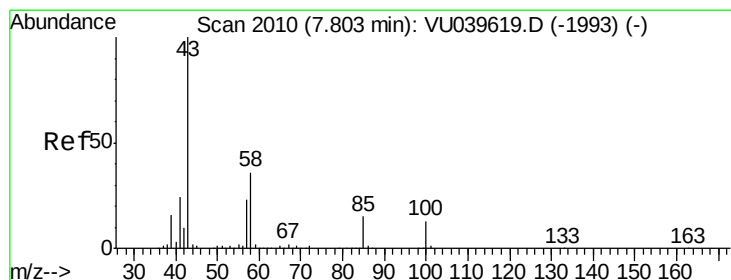
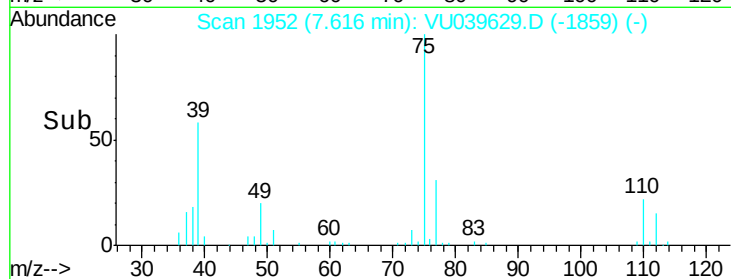
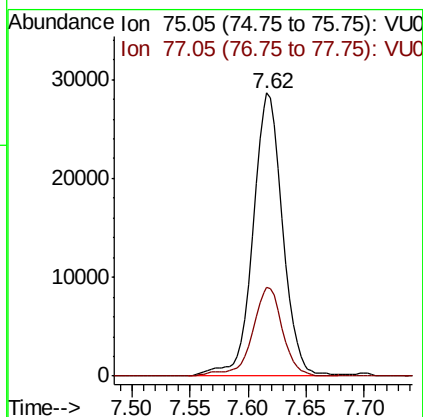
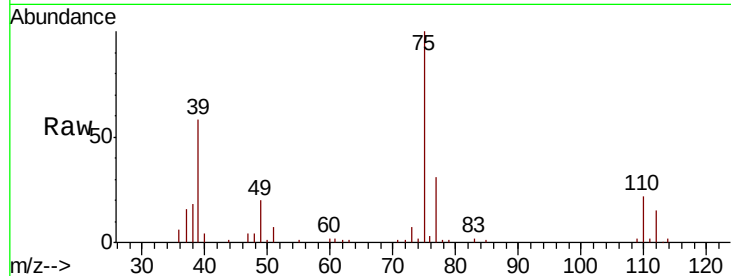




#39
 cis-1,3-Dichloropropene
 Concen: 4.804 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU039629.D
 Acq: 22 Jul 2020 14:29

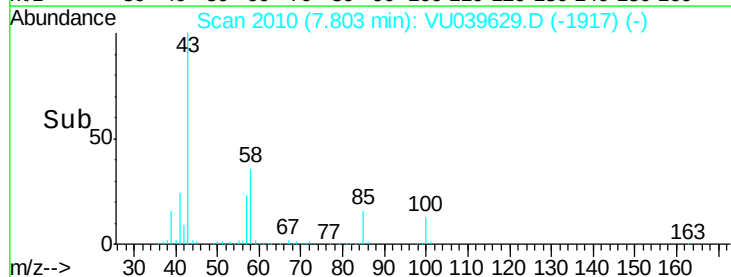
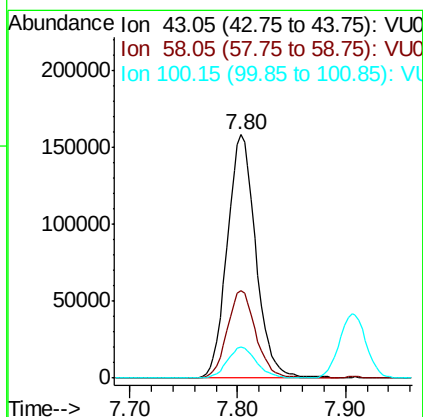
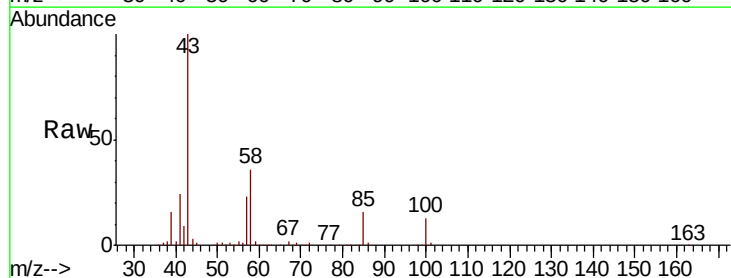
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

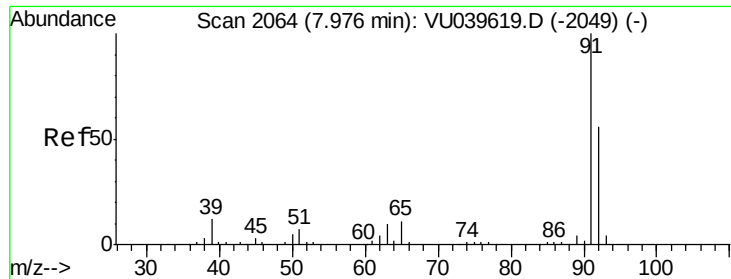
Tot Ion: 75 Resp: 51363
 Ion Ratio Lower Upper
 75 100
 77 31.2 23.2 43.0



#40
 4-Methyl-2-pentanone
 Concen: 50.235 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039629.D
 Acq: 22 Jul 2020 14:29

Tgt Ion: 43 Resp: 291853
 Ion Ratio Lower Upper
 43 100
 58 36.0 29.2 43.8
 100 13.1 10.5 15.7





#42

Toluene

Concen: 5.183 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039629.D

Acq: 22 Jul 2020 14:29

Instrument :

MSVOA_U

ClientSampleId :

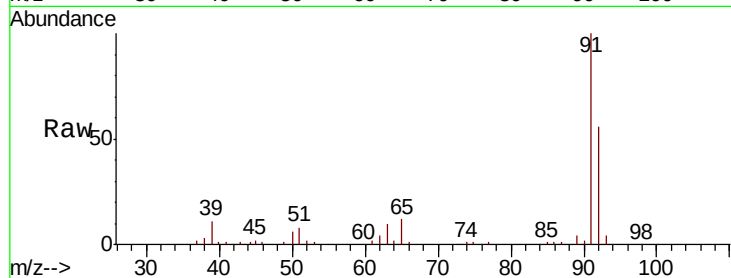
VSTD00509

Tot Ion: 91 Resp: 151728

Ion Ratio Lower Upper

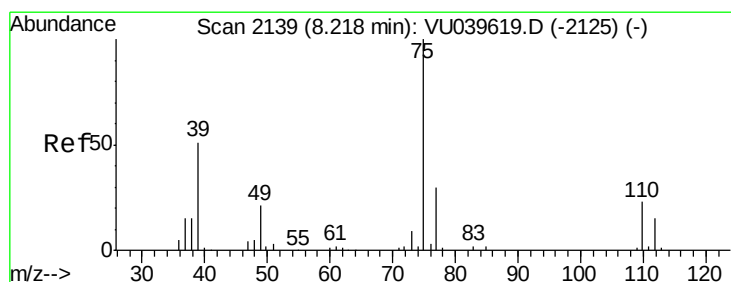
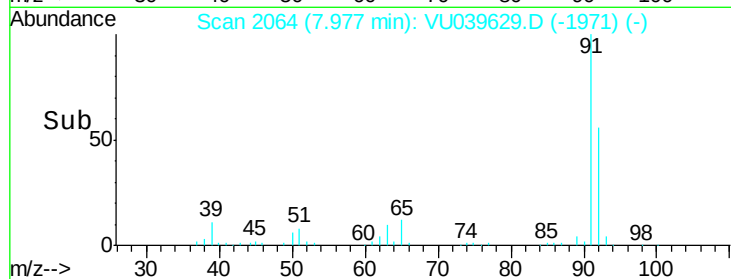
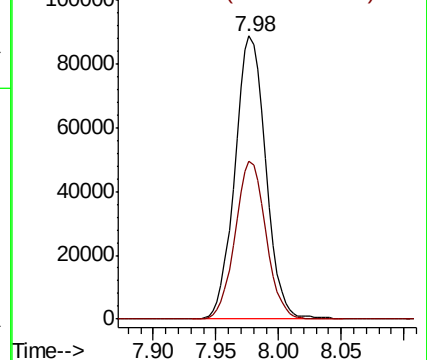
91 100

92 55.9 38.6 71.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 4.871 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039629.D

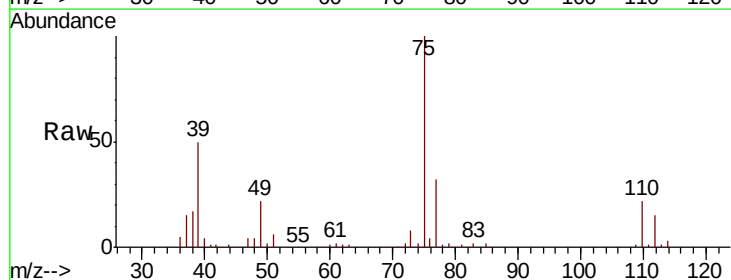
Acq: 22 Jul 2020 14:29

Tgt Ion: 75 Resp: 47558

Ion Ratio Lower Upper

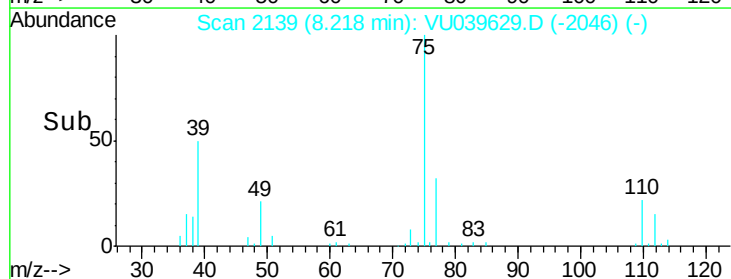
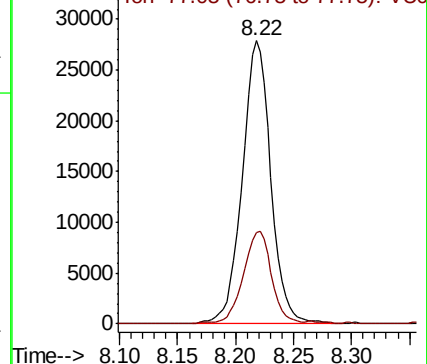
75 100

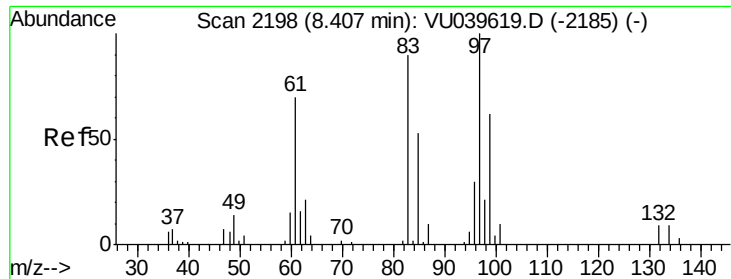
77 32.5 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

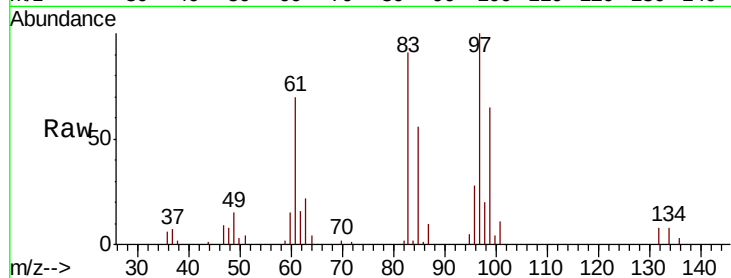




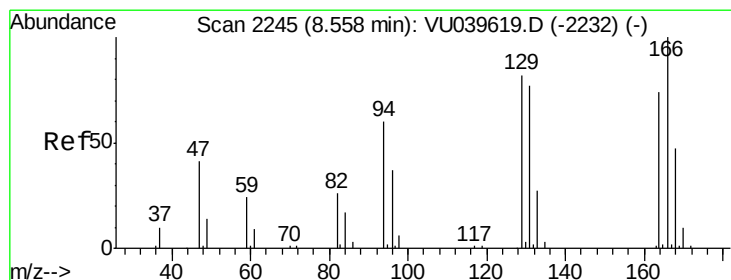
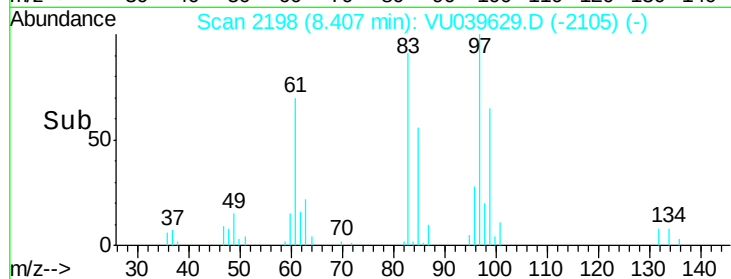
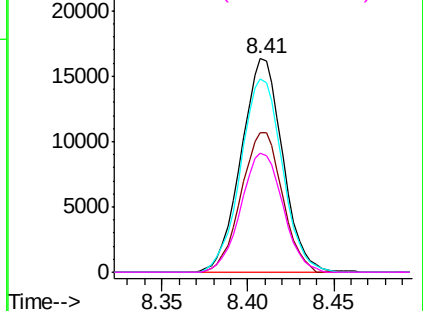
#45
 1,1,2-Trichloroethane
 Concen: 4.863 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU039629.D
 Acq: 22 Jul 2020 14:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tot Ion: 97 Resp: 27480
 Ion Ratio Lower Upper
 97 100
 99 65.3 45.2 84.0
 83 90.5 64.9 120.5
 85 55.8 41.4 77.0

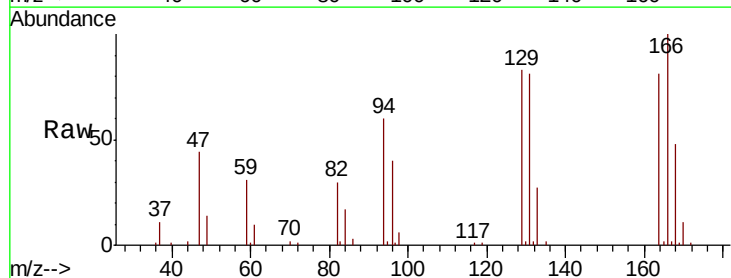


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

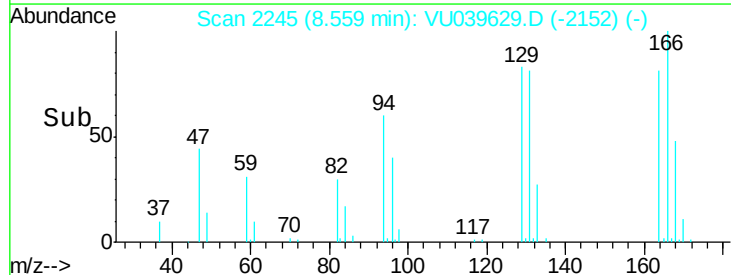
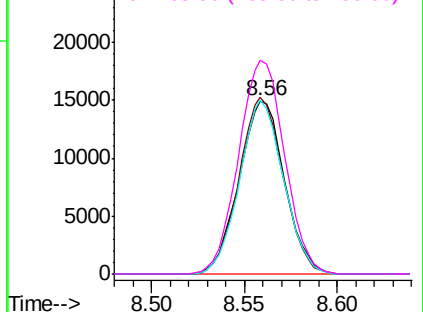


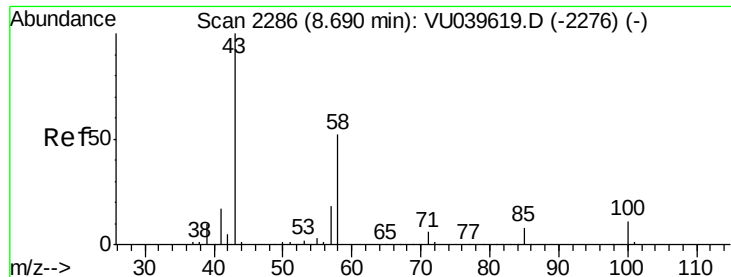
#47
 Tetrachloroethene
 Concen: 5.027 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU039629.D
 Acq: 22 Jul 2020 14:29

Tgt Ion: 164 Resp: 25323
 Ion Ratio Lower Upper
 164 100
 129 102.3 67.9 126.1
 131 100.4 64.7 120.1
 166 123.4 85.1 158.1



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

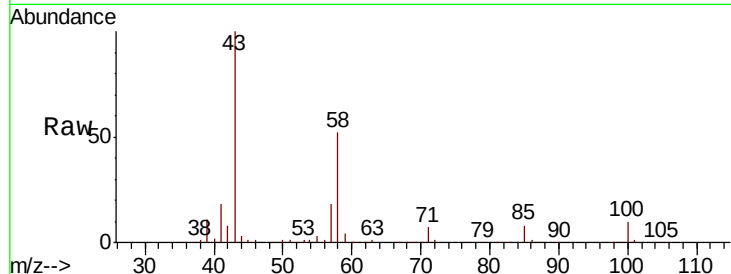




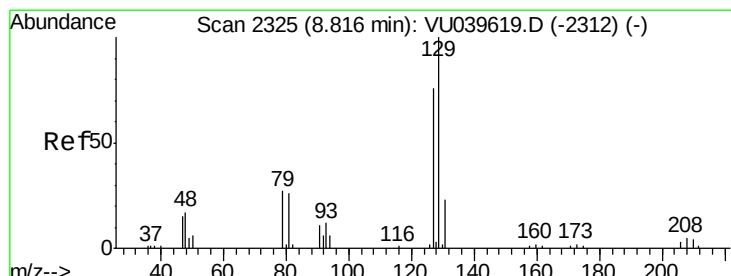
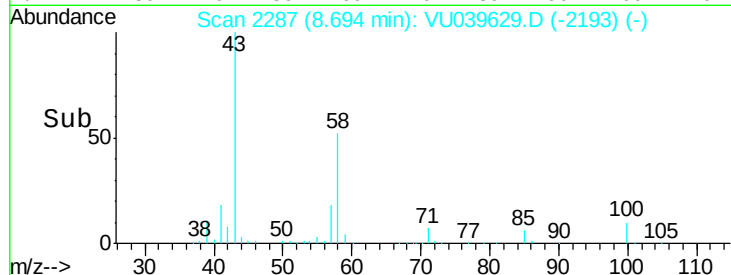
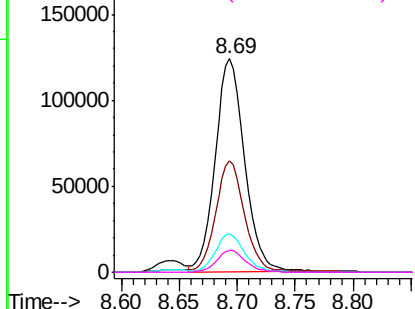
#48
2-Hexanone
Concen: 50.862 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039629.D
Acq: 22 Jul 2020 14:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tot Ion: 43 Resp: 218723
Ion Ratio Lower Upper
43 100
58 51.2 40.9 61.3
57 17.9 14.6 21.8
100 10.2 7.9 11.9

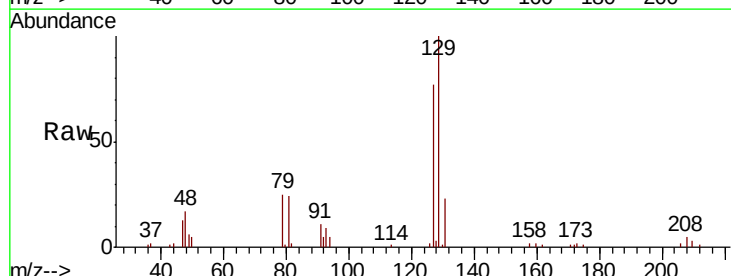


Abundance Ion 43.05 (42.75 to 43.75): VU039619.D (-2276) (-)
Ion 58.05 (57.75 to 58.75): VU039619.D (-2276) (-)
Ion 57.20 (56.90 to 57.90): VU039619.D (-2276) (-)
Ion 100.15 (99.85 to 100.85): VU039619.D (-2276) (-)

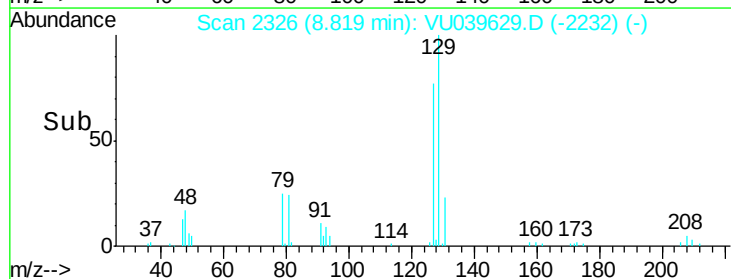
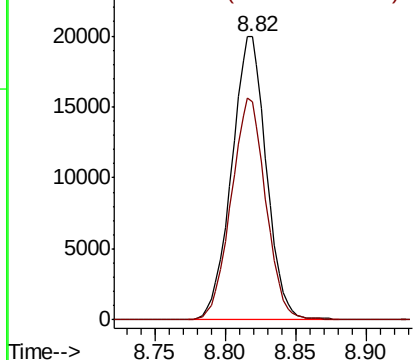


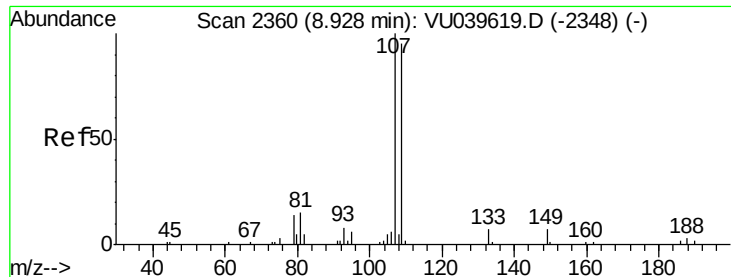
#49
Dibromochloromethane
Concen: 4.997 ug/L
RT: 8.82 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU039629.D
Acq: 22 Jul 2020 14:29

Tgt Ion: 129 Resp: 34329
Ion Ratio Lower Upper
129 100
127 77.0 53.8 99.8



Abundance Ion 128.95 (128.65 to 129.65): VU039619.D (-2312) (-)
Ion 126.90 (126.60 to 127.60): VU039619.D (-2312) (-)

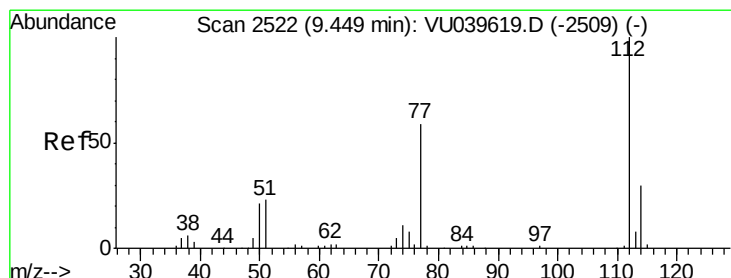
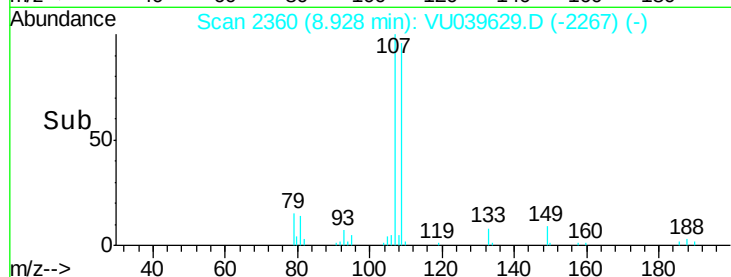
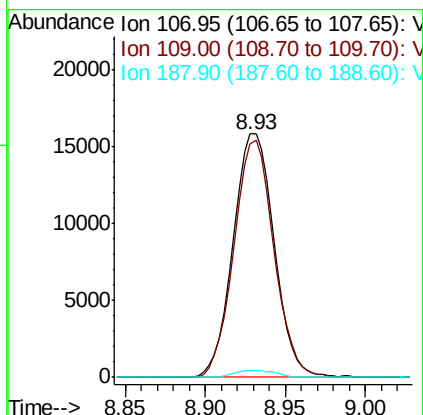
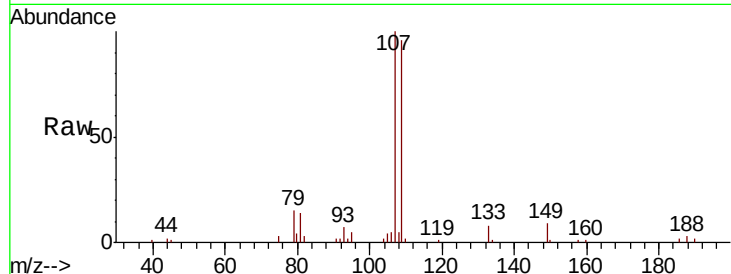




#50
1,2-Dibromoethane
Concen: 4.979 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU039629.D
Acq: 22 Jul 2020 14:29

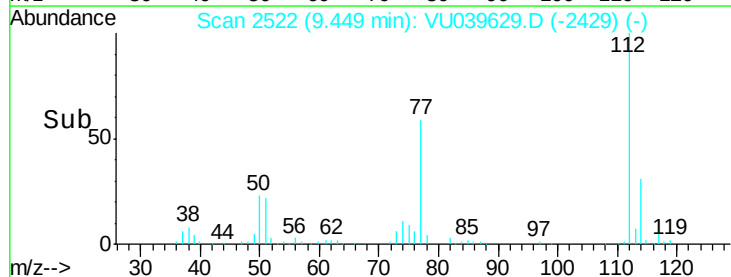
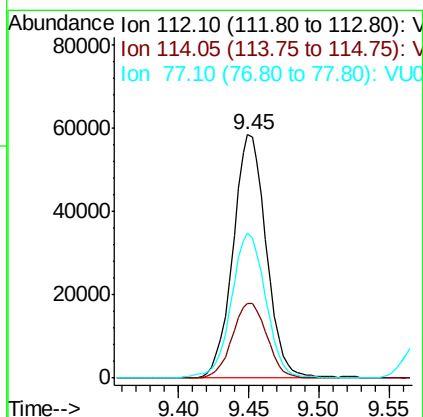
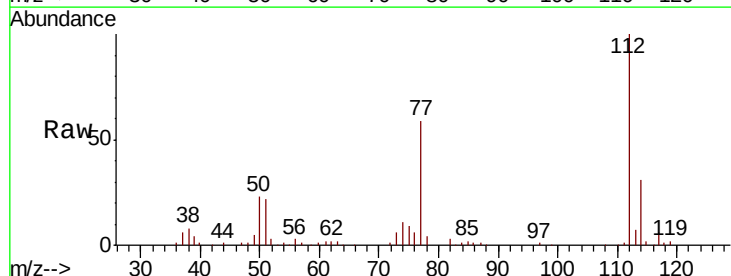
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

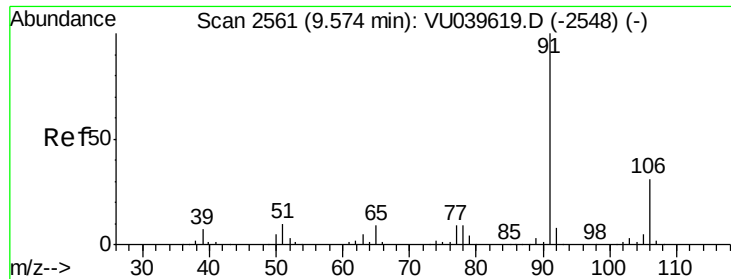
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	66.1	122.7
188	2.8	2.4	3.6



#51
Chlorobenzene
Concen: 5.143 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU039629.D
Acq: 22 Jul 2020 14:29

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.8	22.9	42.5
77	59.4	50.0	75.0

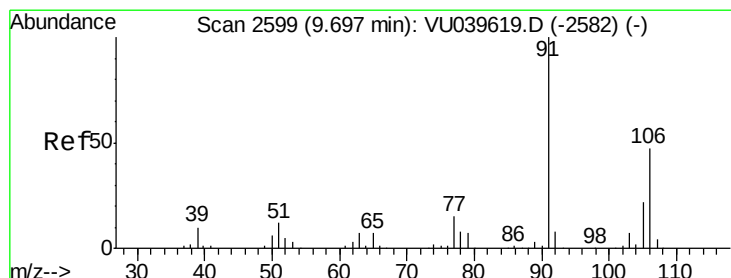
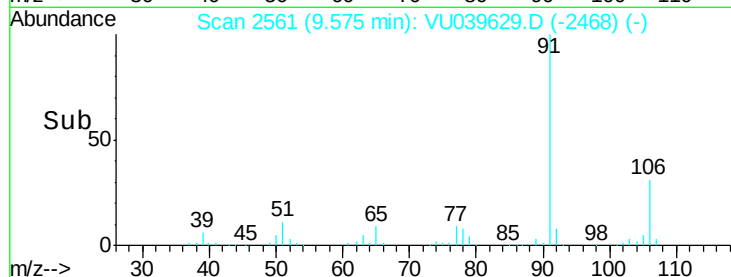
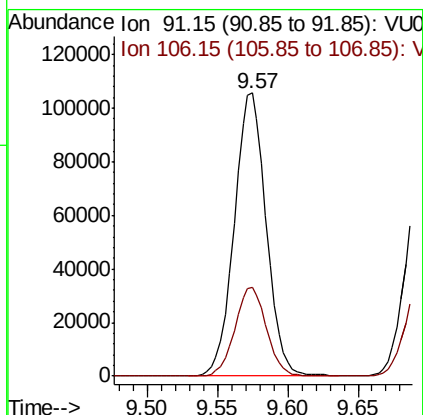
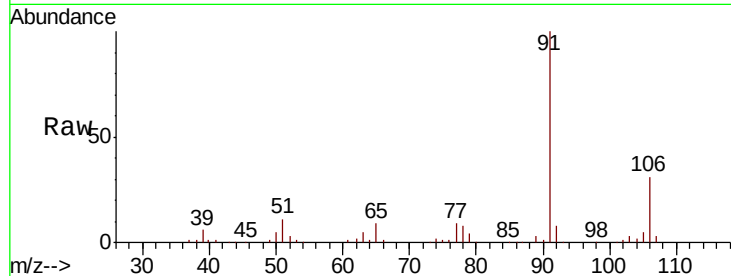




#52
Ethylbenzene
Concen: 5.022 ug/L
RT: 9.57 min Scan# 2561
Delta R.T. 0.00 min
Lab File: VU039629.D
Acq: 22 Jul 2020 14:29

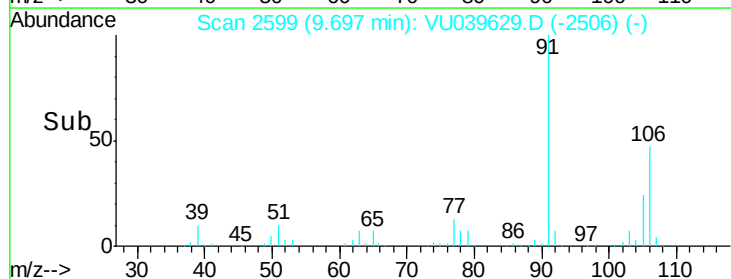
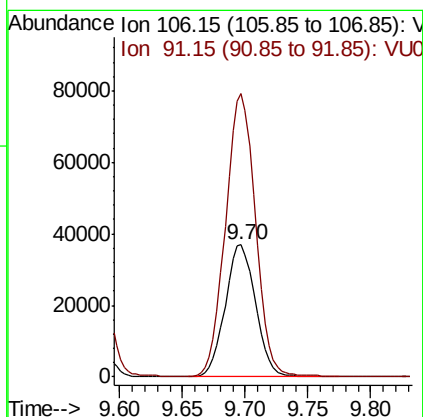
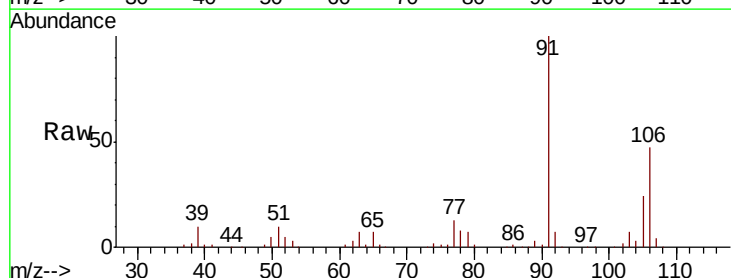
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

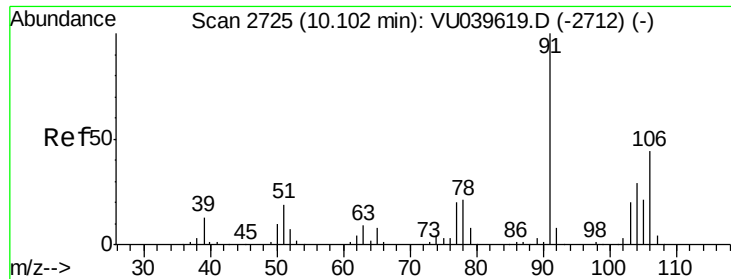
Tot Ion: 91 Resp: 167236
Ion Ratio Lower Upper
91 100
106 31.2 21.3 39.6



#53
m,p-Xylene
Concen: 5.005 ug/L
RT: 9.70 min Scan# 2599
Delta R.T. 0.00 min
Lab File: VU039629.D
Acq: 22 Jul 2020 14:29

Tgt Ion: 106 Resp: 62190
Ion Ratio Lower Upper
106 100
91 214.3 149.3 277.3

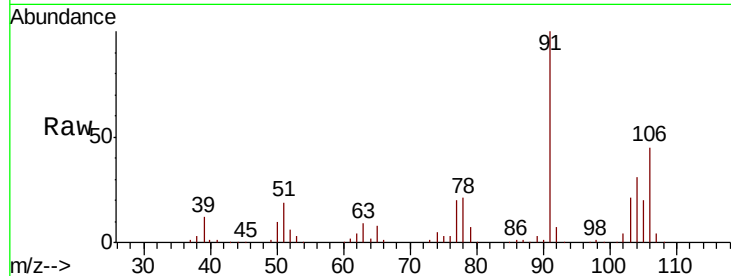




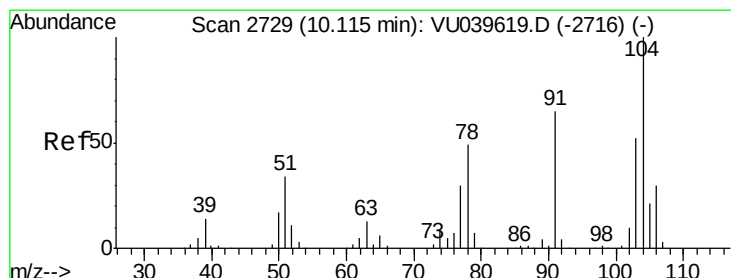
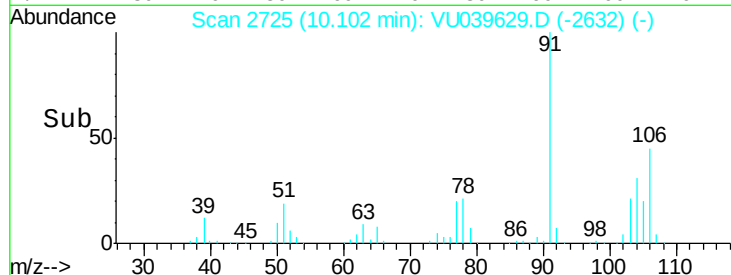
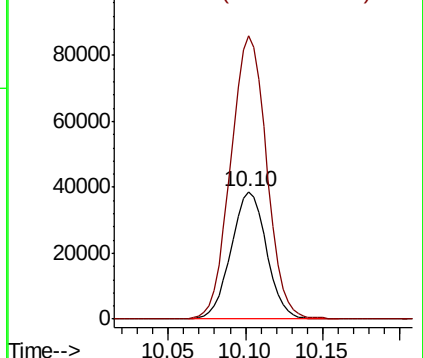
#54
o-Xylene
Concen: 5.071 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039629.D
Acq: 22 Jul 2020 14:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tot Ion:106 Resp: 61540
Ion Ratio Lower Upper
106 100
91 221.8 157.4 292.4

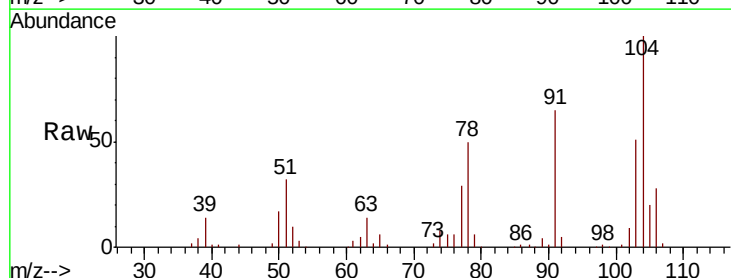


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

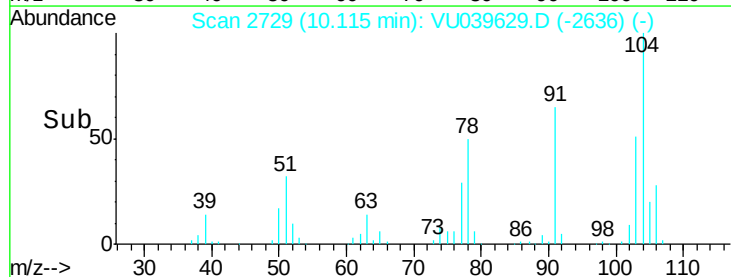
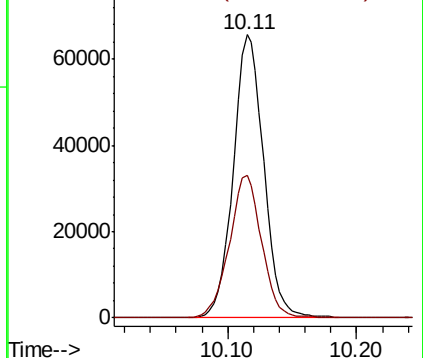


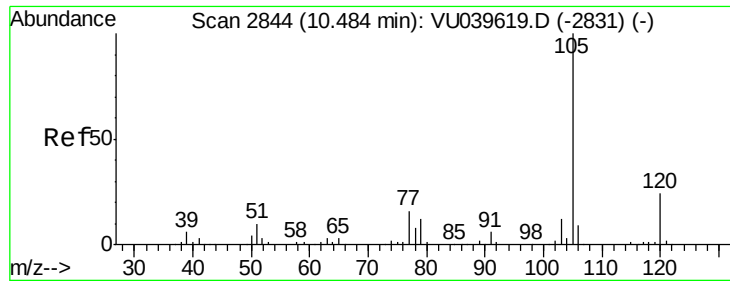
#55
Styrene
Concen: 5.274 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039629.D
Acq: 22 Jul 2020 14:29

Tgt Ion:104 Resp: 107464
Ion Ratio Lower Upper
104 100
78 50.2 34.4 64.0



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





#56

Isopropylbenzene

Concen: 5.074 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039629.D

Acq: 22 Jul 2020 14:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

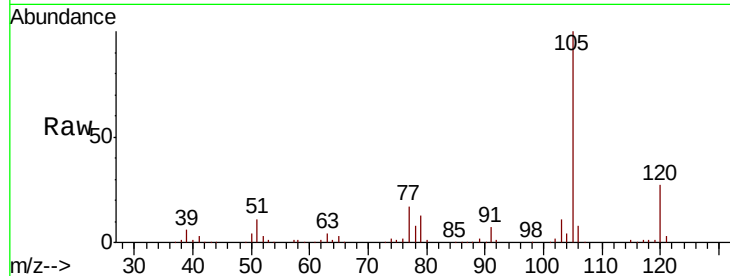
Tot Ion:105 Resp: 168097

Ion Ratio Lower Upper

105 100

120 26.3 20.9 31.3

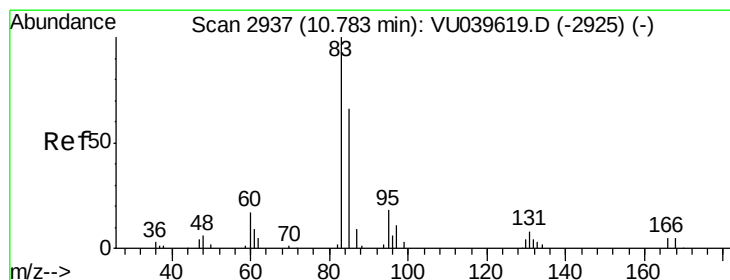
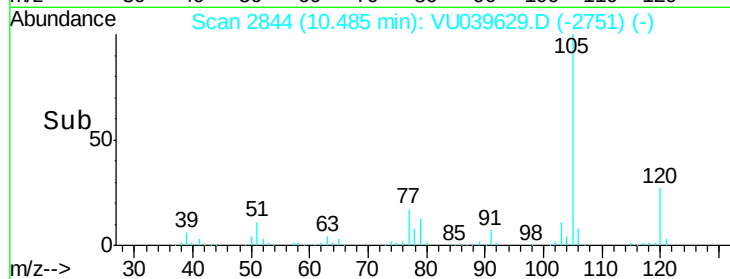
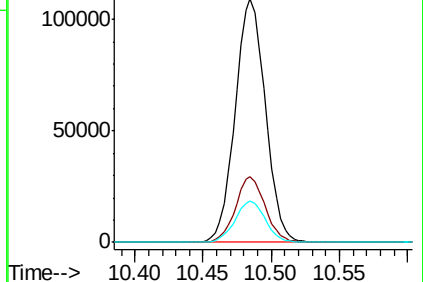
77 17.2 13.6 20.4



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: 5.203 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU039629.D

Acq: 22 Jul 2020 14:29

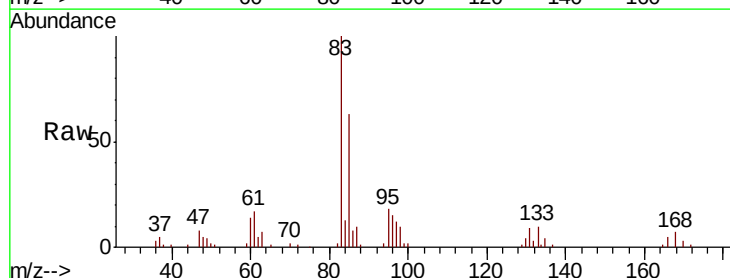
Tgt Ion: 83 Resp: 38011

Ion Ratio Lower Upper

83 100

85 63.4 43.5 80.9

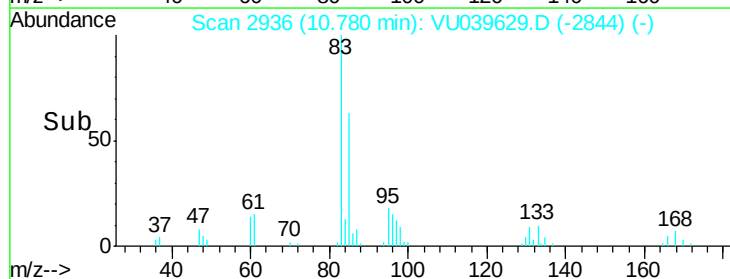
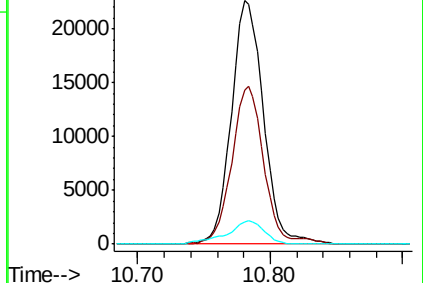
131 9.1 7.4 11.0

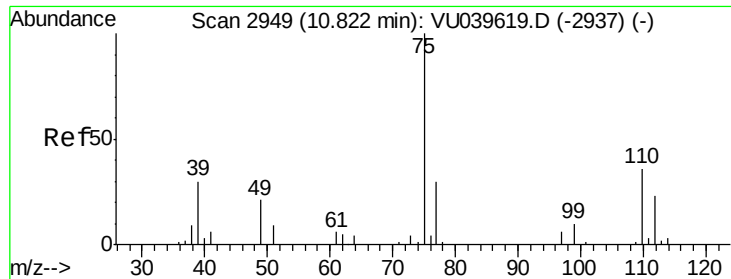


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.188 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU039629.D

Acq: 22 Jul 2020 14:29

Instrument :

MSVOA_U

ClientSampleId :

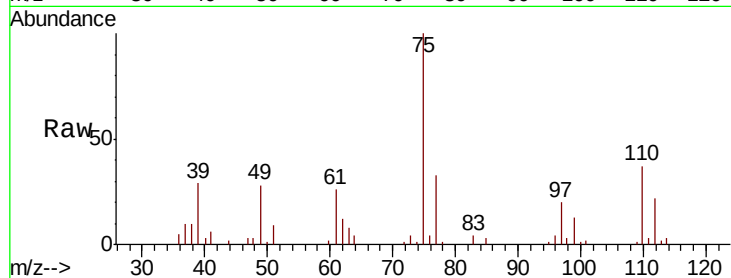
VSTD00509

Tot Ion: 75 Resp: 28323

Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU039619.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039619.D (-2937) (-)

10.82

20000

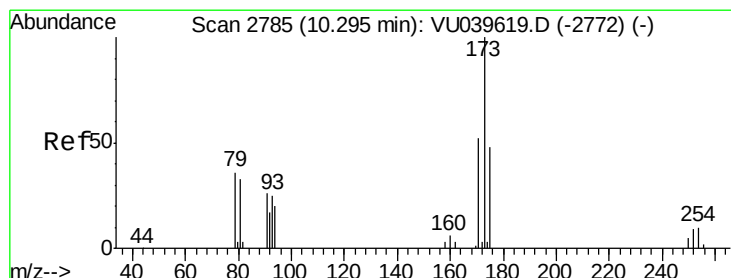
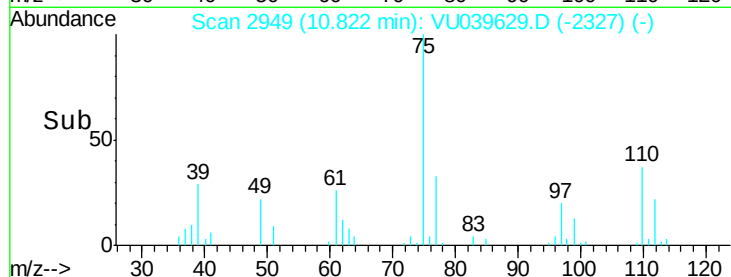
15000

10000

5000

0

Time-->



#61

Bromoform

Concen: 4.689 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU039629.D

Acq: 22 Jul 2020 14:29

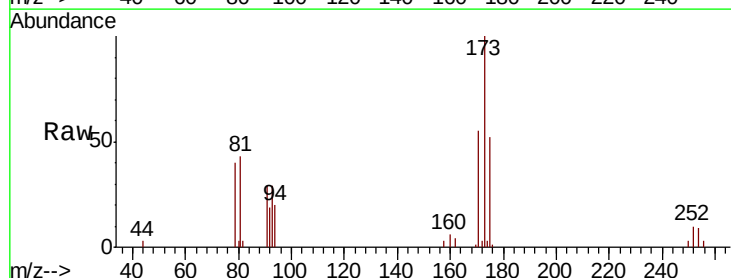
Tgt Ion: 173 Resp: 18923

Ion Ratio Lower Upper

173 100

175 51.1 39.9 59.9

254 8.2 6.5 9.7



Abundance Ion 172.90 (172.60 to 173.60): VU039619.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU039619.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU039619.D (-2772) (-)

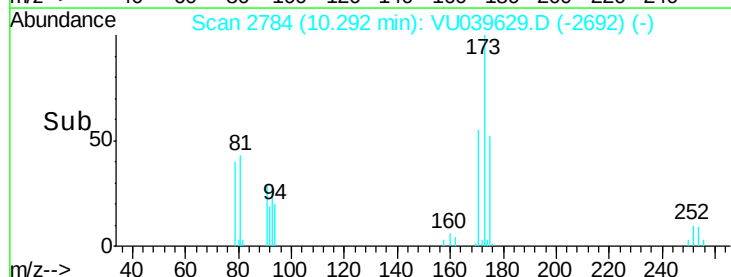
15000

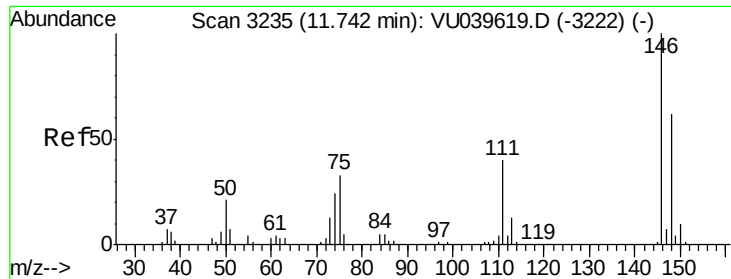
10000

5000

0

Time-->

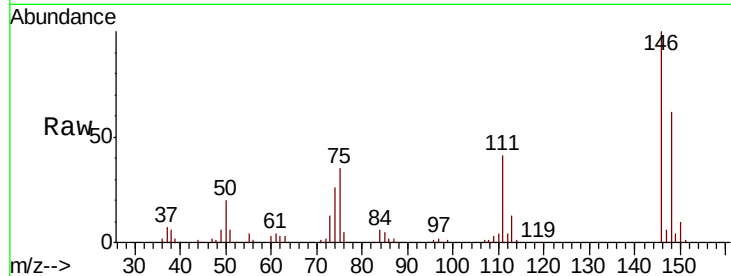




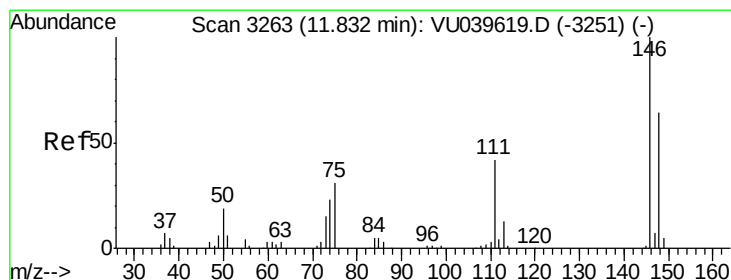
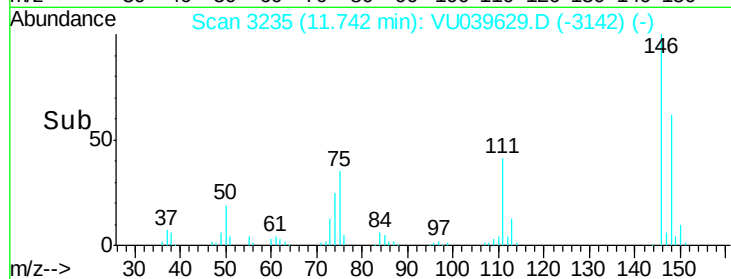
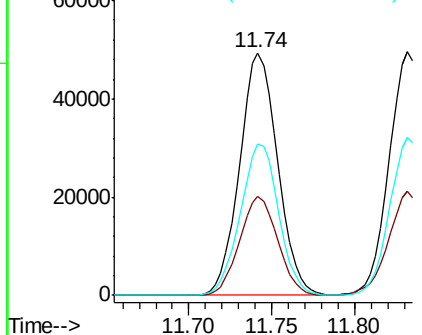
#62
 1,3-Dichlorobenzene
 Concen: 5.085 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039629.D
 Acq: 22 Jul 2020 14:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tot Ion:146 Resp: 78744
 Ion Ratio Lower Upper
 146 100
 111 40.7 27.9 51.9
 148 62.3 43.0 80.0

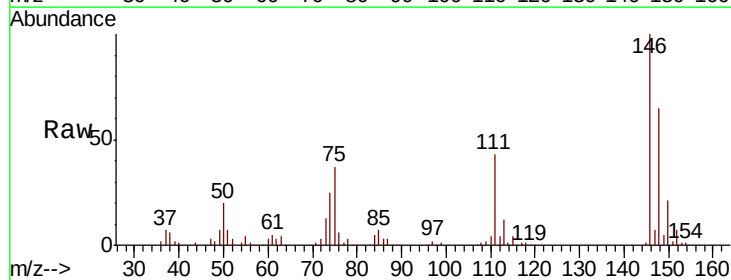


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

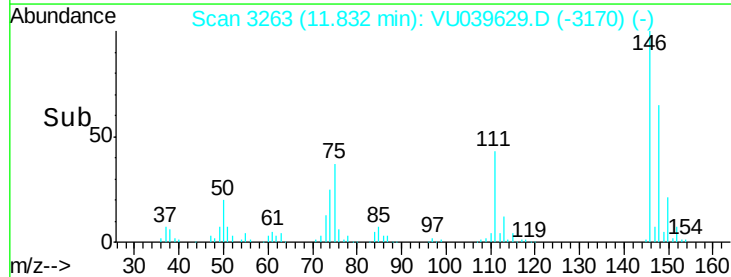
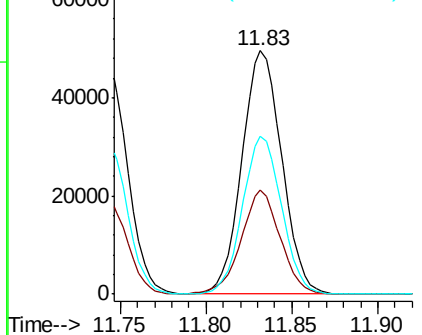


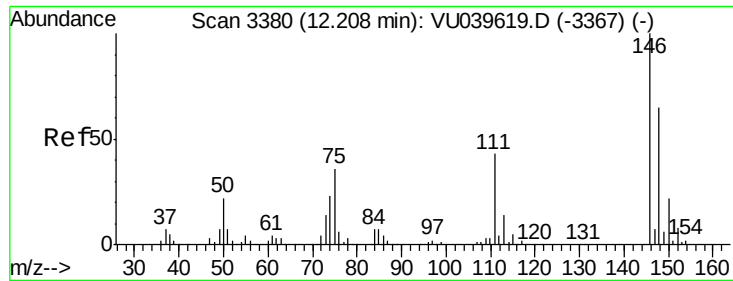
#63
 1,4-Dichlorobenzene
 Concen: 5.122 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU039629.D
 Acq: 22 Jul 2020 14:29

Tgt Ion:146 Resp: 79849
 Ion Ratio Lower Upper
 146 100
 111 43.0 29.9 55.5
 148 64.6 44.8 83.2



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: 5.122 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU039629.D

Acq: 22 Jul 2020 14:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

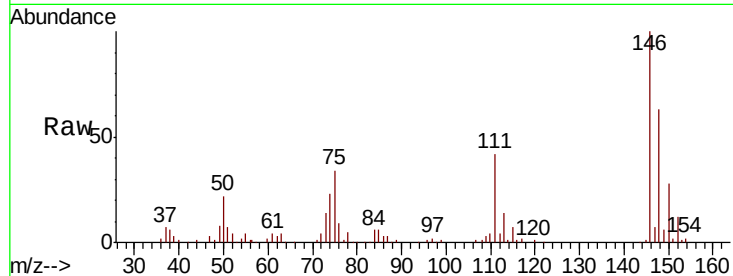
Tot Ion:146 Resp: 76603

Ion Ratio Lower Upper

146 100

111 42.1 34.3 51.5

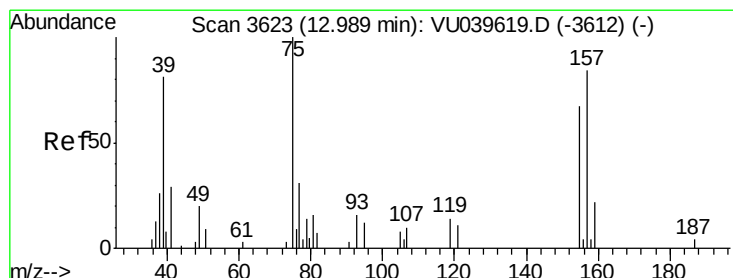
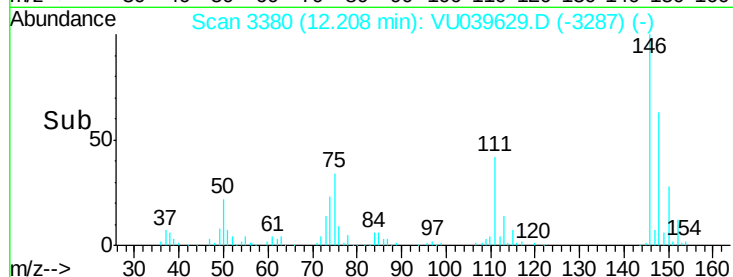
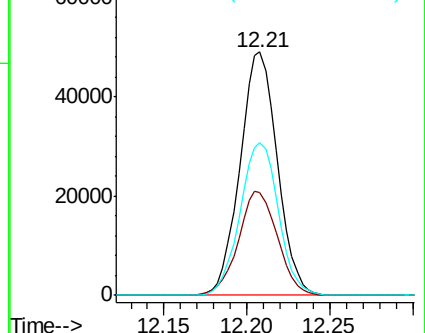
148 62.6 52.0 78.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.277 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU039629.D

Acq: 22 Jul 2020 14:29

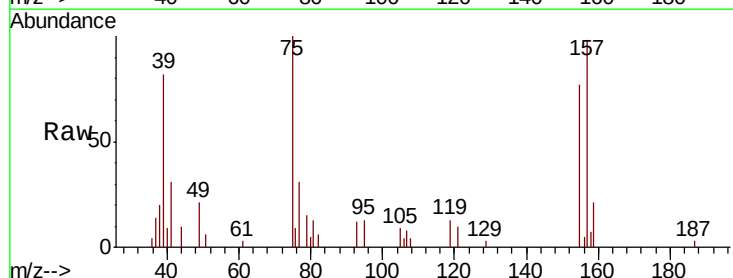
Tgt Ion: 75 Resp: 6034

Ion Ratio Lower Upper

75 100

155 76.7 48.4 72.6#

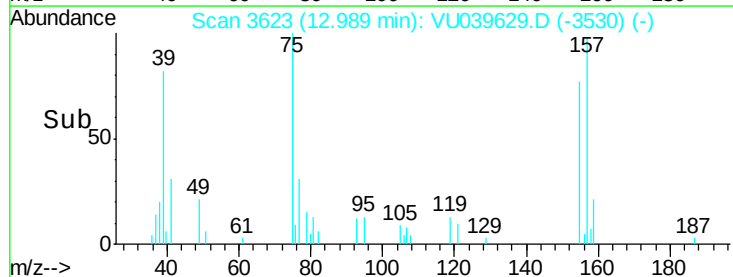
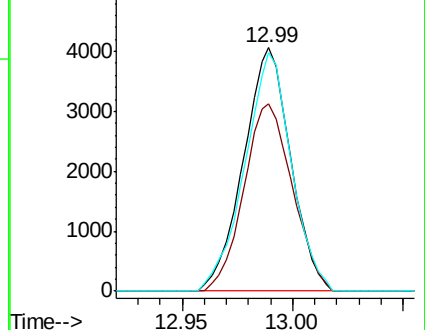
157 98.0 68.2 102.2

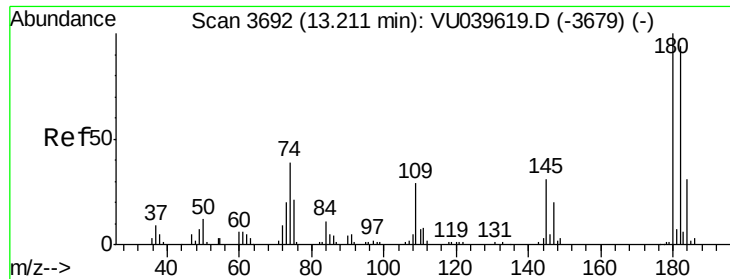


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

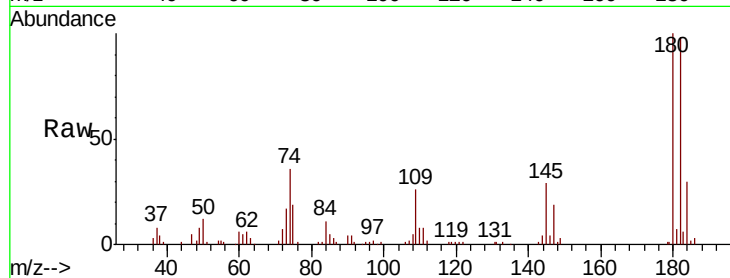




#67
 1,3,5-Trichlorobenzene
 Concen: 5.234 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039629.D
 Acq: 22 Jul 2020 14:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.5	114.7
184	30.5	24.8	37.2
145	31.0	23.8	35.8



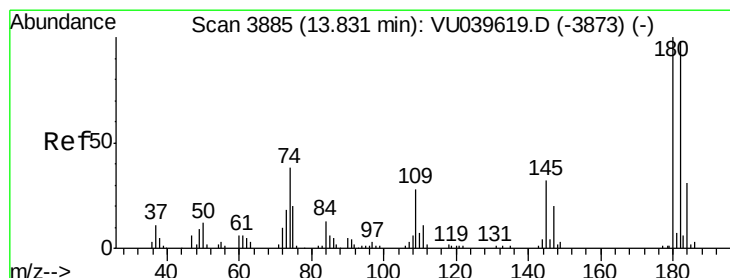
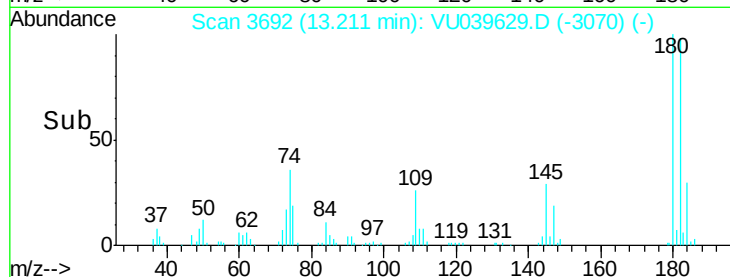
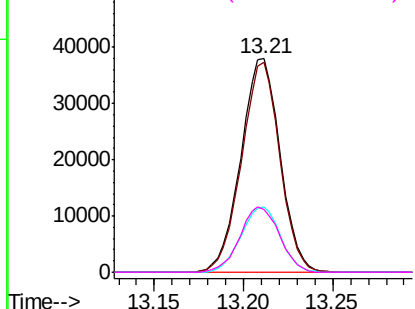
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

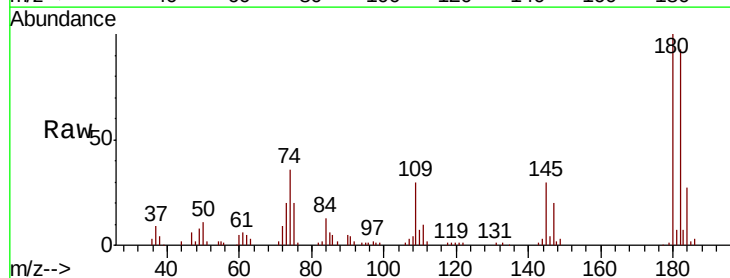
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.162 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039629.D
 Acq: 22 Jul 2020 14:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	78.8	118.2
145	29.8	26.7	40.1

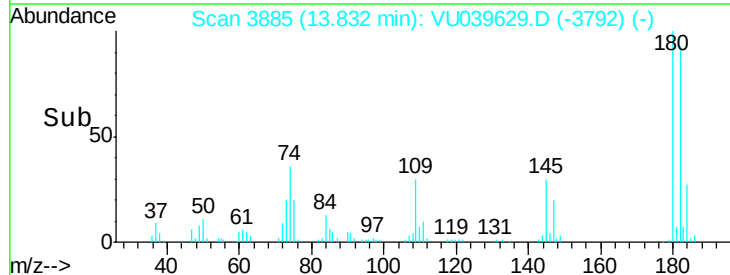
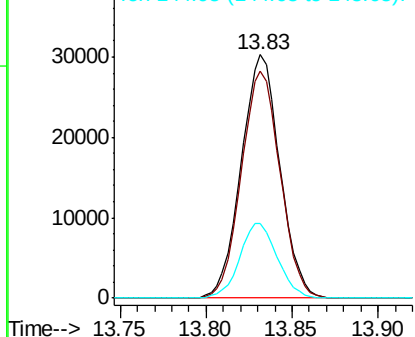


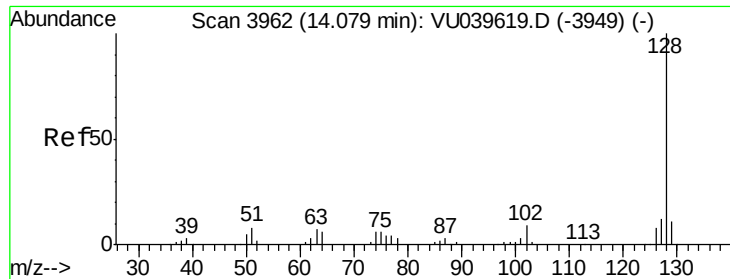
Abundance

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: 4.899 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039629.D

Acq: 22 Jul 2020 14:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

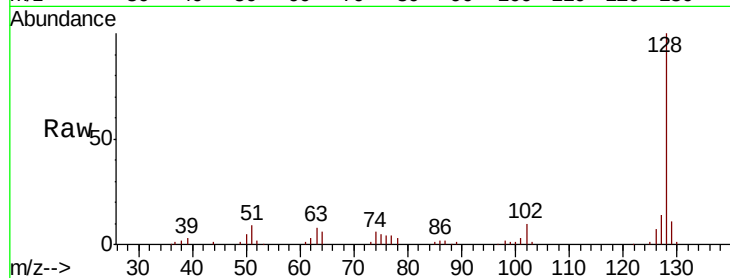
Tot Ion:128 Resp: 75927

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

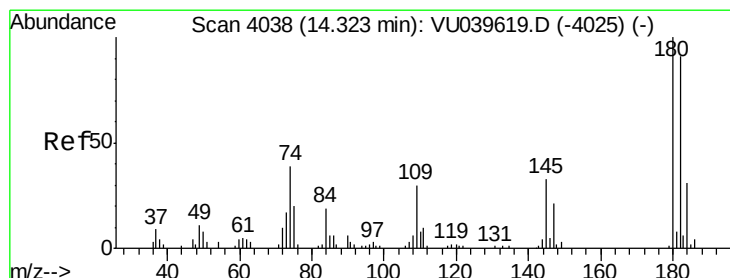
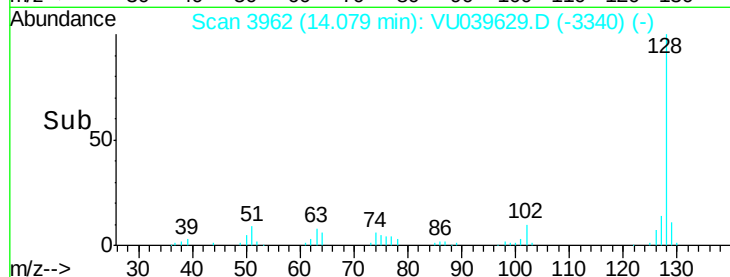
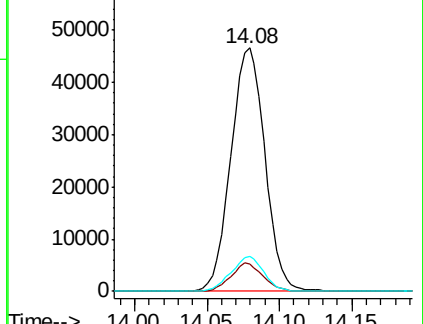
127 13.5 10.6 16.0



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: 5.242 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU039629.D

Acq: 22 Jul 2020 14:29

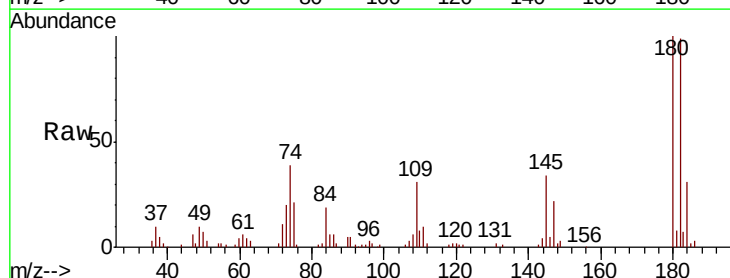
Tgt Ion:180 Resp: 42628

Ion Ratio Lower Upper

180 100

182 96.1 78.0 117.0

145 33.4 28.4 42.6



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

