

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082120\
 Data File : VU039920.D
 Acq On : 21 Aug 2020 10:06
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Quant Time: Aug 22 00:37:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 21 13:27:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	84669	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	83312	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	43676	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	29367	3.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.60%
7) Chloroethane-d5	1.92	69	28188	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.20%
11) 1,1-Dichloroethene-d2	2.58	63	58476	4.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.80%
20) 2-Butanone-d5	4.66	46	105772	44.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.50%
24) Chloroform-d	5.08	84	58836	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
26) 1,2-Dichloroethane-d4	5.72	65	33187	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
32) Benzene-d6	5.74	84	109175	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
36) 1,2-Dichloropropane-d6	6.70	67	37441	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.40%
41) Toluene-d8	7.90	98	93205	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
43) trans-1,3-Dichloropropene-	8.18	79	15485	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	8.64	63	80270	46.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.14%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	31978	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	39380	4.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	41421	4.706	ug/L 99
3) Chloromethane	1.53	50	43096	4.328	ug/L 96
5) Vinyl chloride	1.61	62	45097	4.787	ug/L 99
6) Bromomethane	1.87	94	25367	4.717	ug/L 98
8) Chloroethane	1.94	64	28795	4.780	ug/L 95
9) Trichlorofluoromethane	2.15	101	68103	4.833	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	36986	4.771	ug/L 94
12) 1,1-Dichloroethene	2.59	96	35153	4.747	ug/L 89
13) Acetone	2.66	43	77312	47.871	ug/L # 45
14) Carbon disulfide	2.81	76	110318	4.609	ug/L 99
15) Methyl Acetate	2.98	43	18332	4.422	ug/L 98
16) Methylene chloride	3.06	84	41282	4.054	ug/L 94
17) Methyl tert-butyl Ether	3.38	73	92652	4.961	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	35979	4.678	ug/L 86
19) 1,1-Dichloroethane	3.89	63	68980	4.838	ug/L 98
21) 2-Butanone	4.74	43	125287	44.648	ug/L 98
22) cis-1,2-Dichloroethene	4.68	96	38798	4.819	ug/L 99

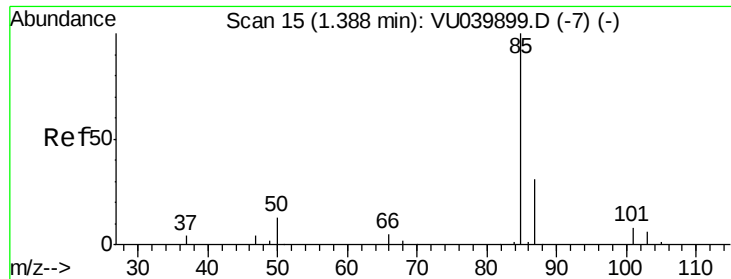
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082120\
 Data File : VU039920.D
 Acq On : 21 Aug 2020 10:06
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Quant Time: Aug 22 00:37:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 21 13:27:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	17654	4.662	ug/L	93
25) Chloroform	5.11	83	70543	4.881	ug/L	94
27) 1,2-Dichloroethane	5.81	62	46166	4.552	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	60690	4.952	ug/L	98
30) Cyclohexane	5.40	56	63050	5.197	ug/L	99
31) Carbon tetrachloride	5.54	117	53562	4.950	ug/L	97
33) Benzene	5.79	78	155791	5.145	ug/L	100
34) Trichloroethene	6.55	95	37804	4.811	ug/L	95
35) Methylcyclohexane	6.77	83	61762	5.131	ug/L	99
37) 1,2-Dichloropropane	6.80	63	39873	4.956	ug/L	98
38) Bromodichloromethane	7.11	83	50672	4.956	ug/L	97
39) cis-1,3-Dichloropropene	7.61	75	58497	5.202	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	297714	46.723	ug/L	99
42) Toluene	7.97	91	155974	5.037	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	52014	4.923	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	30117	4.926	ug/L	99
47) Tetrachloroethene	8.56	164	29604	5.107	ug/L	93
48) 2-Hexanone	8.69	43	212106	46.451	ug/L	100
49) Dibromochloromethane	8.81	129	34846	4.774	ug/L	98
50) 1,2-Dibromoethane	8.93	107	28352	4.870	ug/L	100
51) Chlorobenzene	9.45	112	100759	4.984	ug/L	98
52) Ethylbenzene	9.57	91	165686	4.919	ug/L	98
53) m,p-Xylene	9.69	106	66964	5.180	ug/L	98
54) o-Xylene	10.10	106	62801	5.139	ug/L	98
55) Styrene	10.11	104	106915	5.047	ug/L	99
56) Isopropylbenzene	10.48	105	164653	5.027	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	35849	4.541	ug/L	94
59) 1,2,3-Trichloropropane	10.82	75	27046	4.692	ug/L	97
61) Bromoform	10.29	173	19200	4.991	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	80695	4.990	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	82435	5.007	ug/L	99
65) 1,2-Dichlorobenzene	12.20	146	76291	4.889	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	6272	4.915	ug/L	95
67) 1,3,5-Trichlorobenzene	13.21	180	60855	5.067	ug/L	96
68) 1,2,4-trichlorobenzene	13.83	180	52182	5.093	ug/L	98
69) Naphthalene	14.08	128	95248	5.033	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	46063	4.811	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 4.706 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

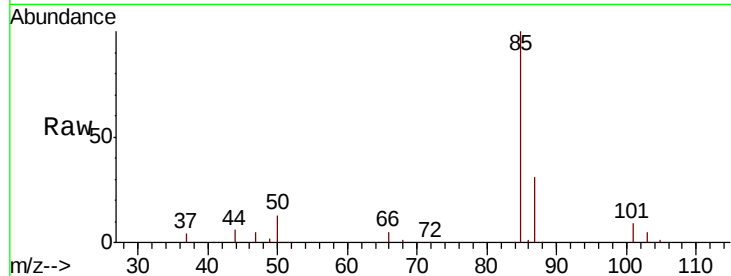
VSTD00528

Tot Ion: 85 Resp: 41421

Ion Ratio Lower Upper

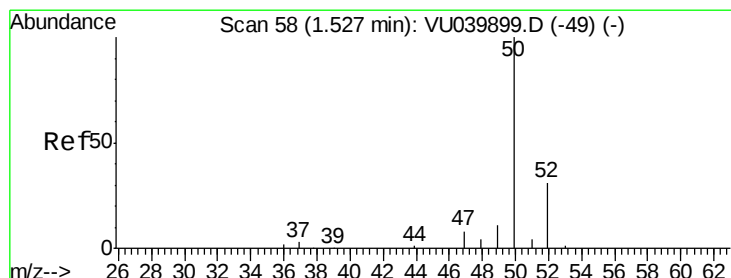
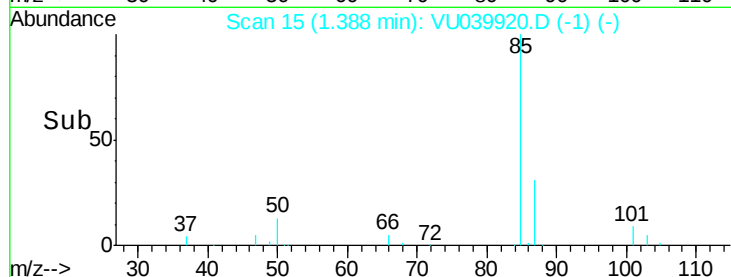
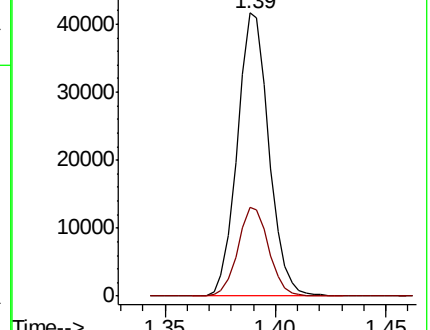
85 100

87 30.8 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039899.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU039899.D (-7) (-)



#3

Chloromethane

Concen: 4.328 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039920.D

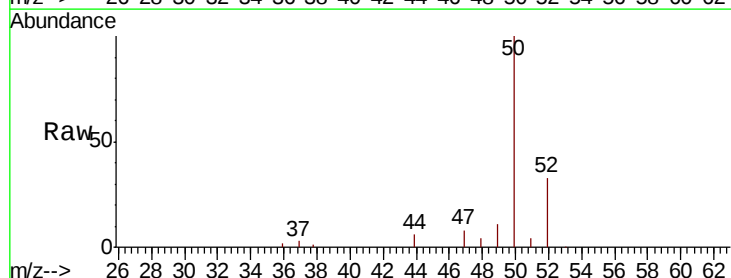
Acq: 21 Aug 2020 10:06

Tgt Ion: 50 Resp: 43096

Ion Ratio Lower Upper

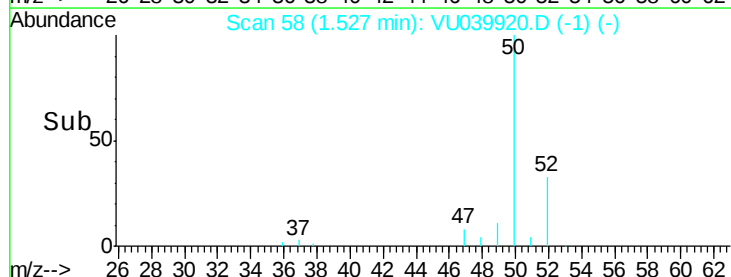
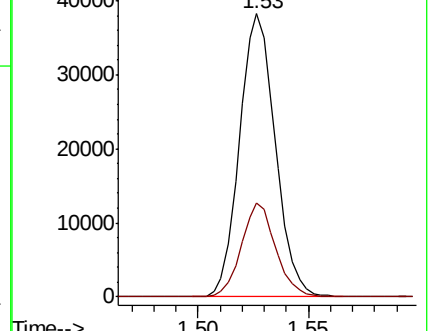
50 100

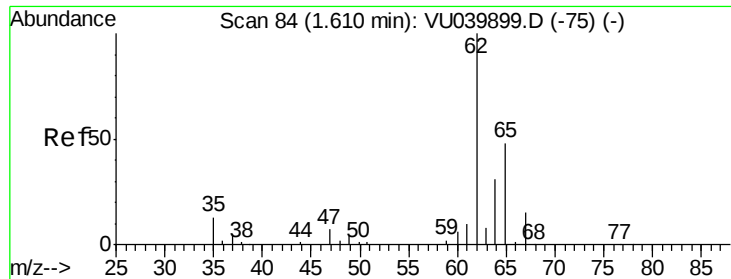
52 33.4 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU039899.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU039899.D (-49) (-)





#5

Vinyl chloride

Concen: 4.787 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

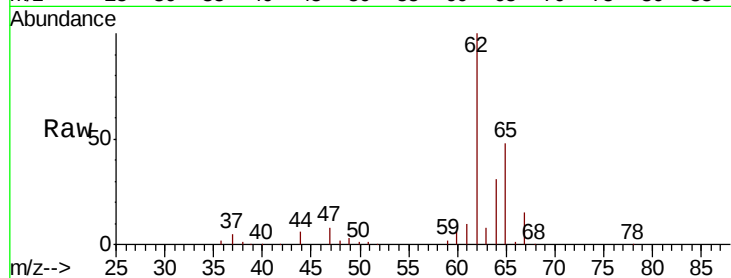
VSTD00528

Tot Ion: 62 Resp: 45097

Ion Ratio Lower Upper

62 100

64 31.3 21.6 40.2



Abundance Ion 62.00 (61.70 to 62.70): VU039899.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039899.D (-75) (-)

1.61

40000

30000

20000

10000

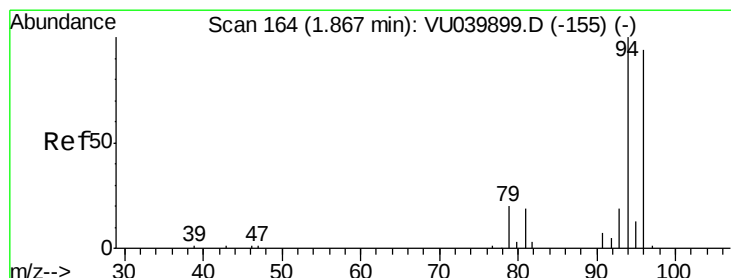
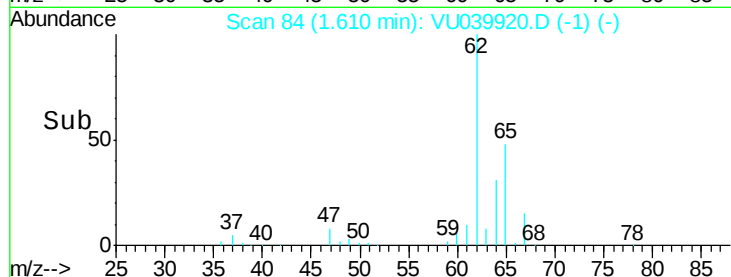
0

Time-->

1.55

1.60

1.65



#6

Bromomethane

Concen: 4.717 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU039920.D

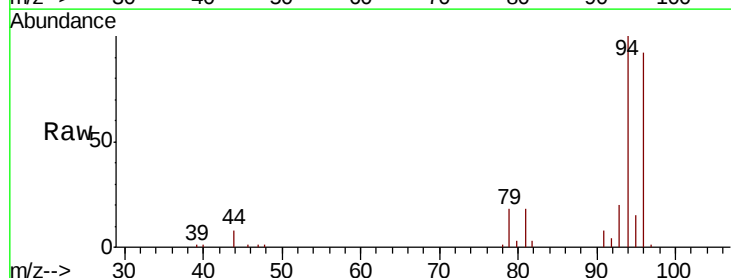
Acq: 21 Aug 2020 10:06

Tgt Ion: 94 Resp: 25367

Ion Ratio Lower Upper

94 100

96 91.5 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU039899.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU039899.D (-155) (-)

1.87

20000

15000

10000

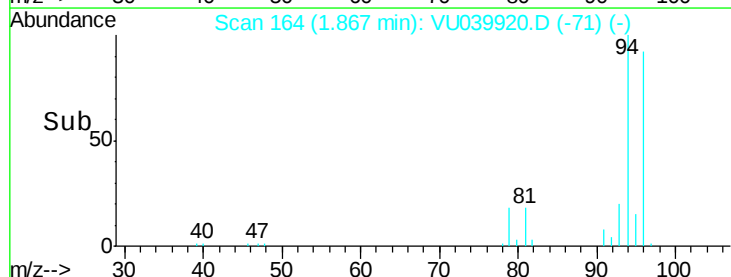
5000

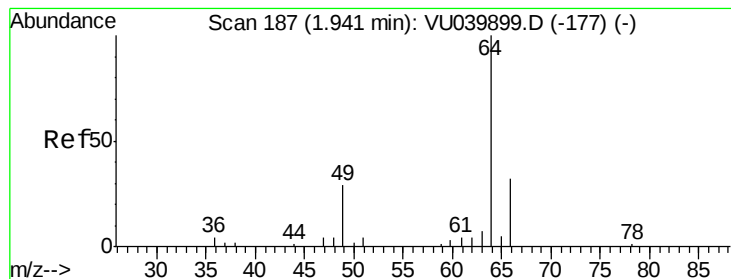
0

Time-->

1.85

1.90





#8

Chloroethane

Concen: 4.780 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

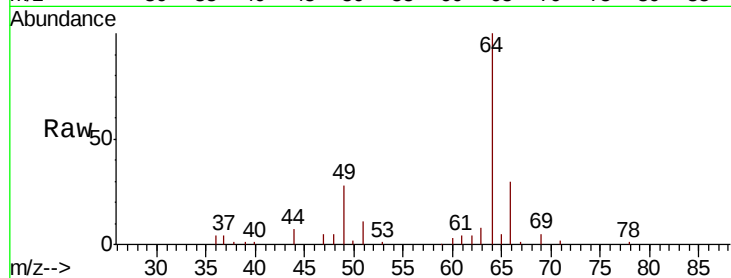
VSTD00528

Tot Ion: 64 Resp: 28795

Ion Ratio Lower Upper

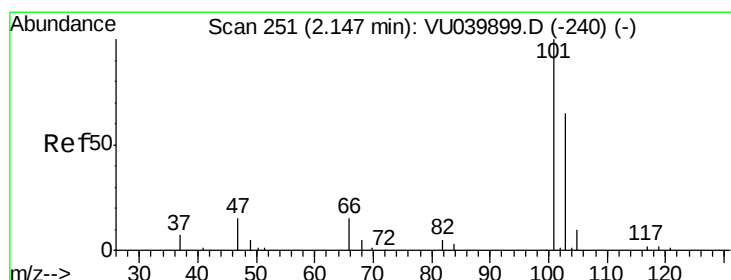
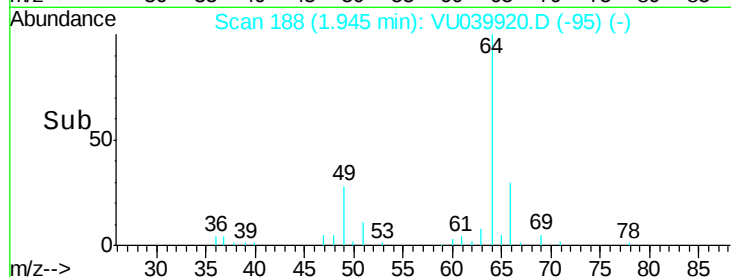
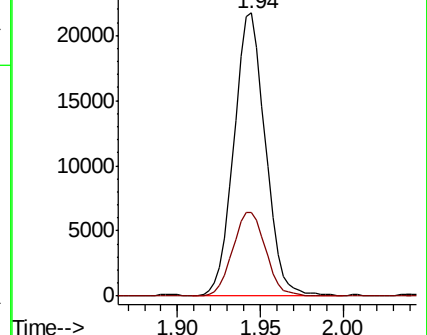
64 100

66 29.6 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VU039899.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU039899.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 4.833 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU039920.D

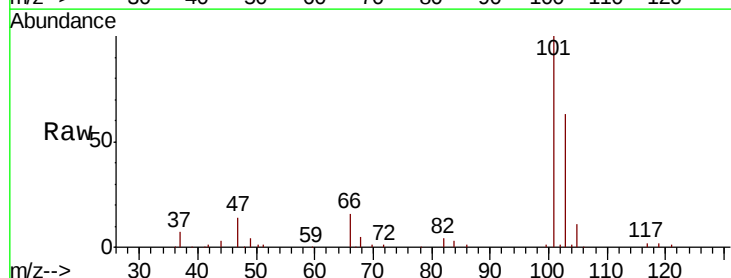
Acq: 21 Aug 2020 10:06

Tgt Ion: 101 Resp: 68103

Ion Ratio Lower Upper

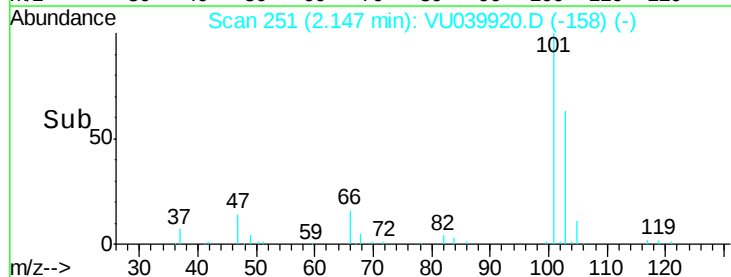
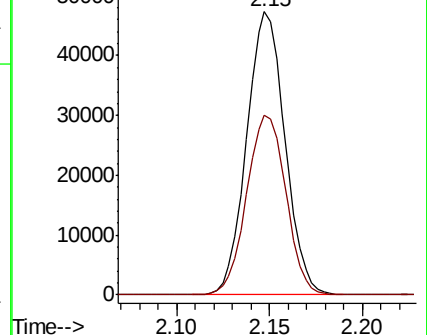
101 100

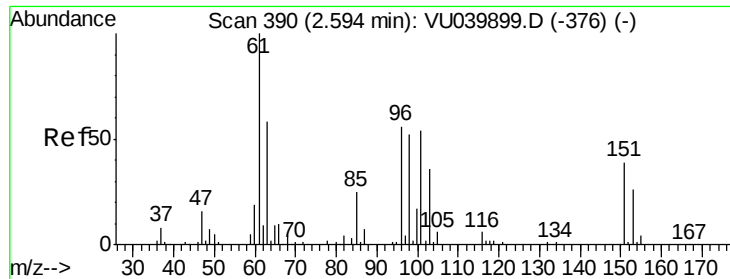
103 65.2 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU039899.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU039899.D (-240) (-)





#10

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

Concen: 4.771 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

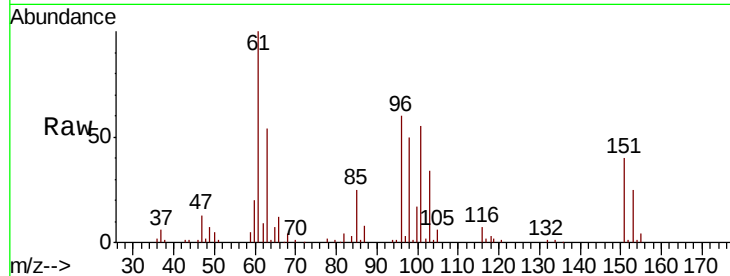
Tot Ion:101 Resp: 36986

Ion Ratio Lower Upper

101 100

85 46.0 34.5 51.7

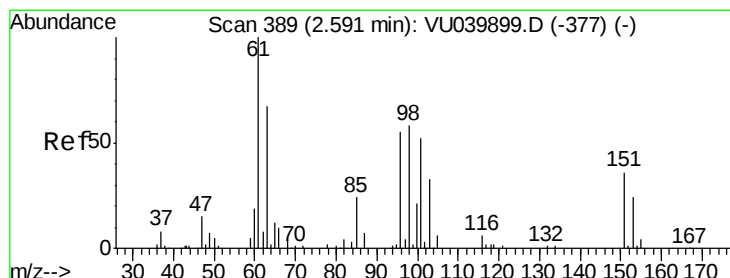
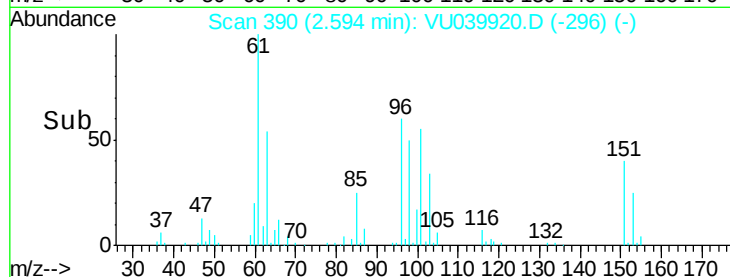
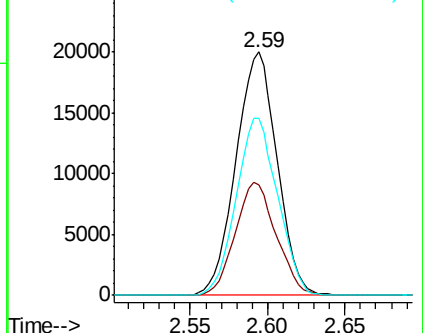
151 73.3 54.4 81.6



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: 4.747 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

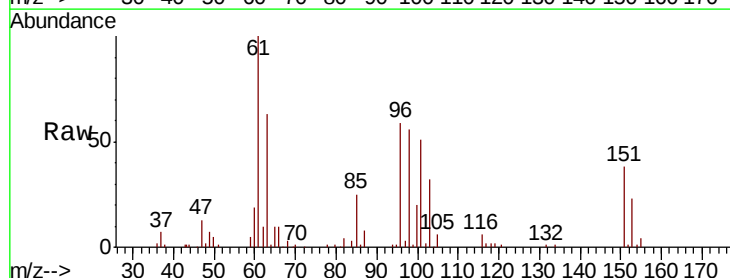
Tgt Ion: 96 Resp: 35153

Ion Ratio Lower Upper

96 100

61 170.9 126.8 235.4

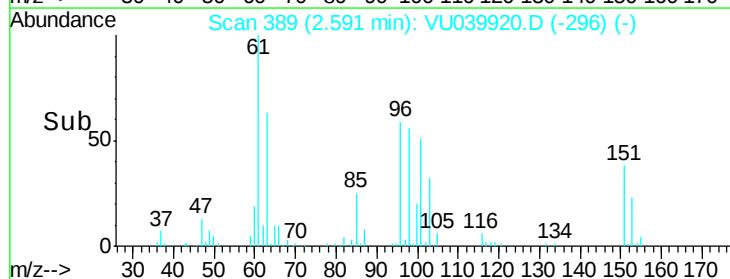
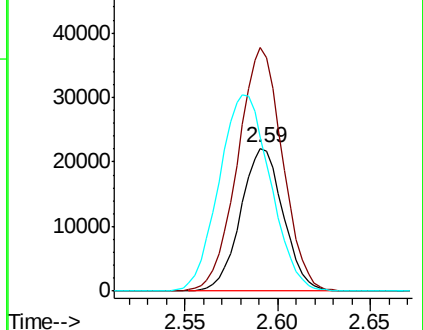
63 108.4 88.6 164.6

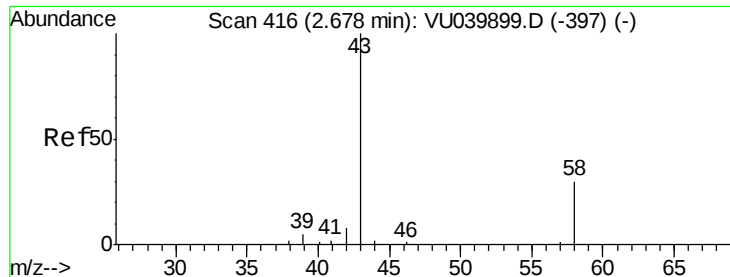


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.871 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

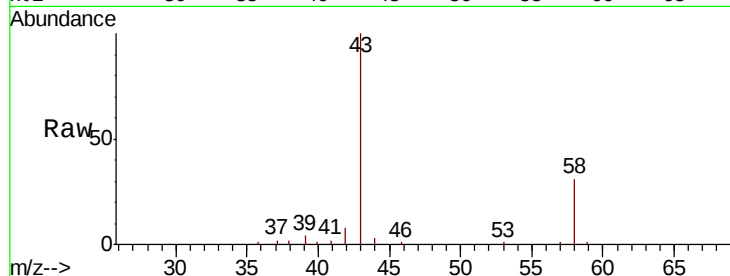
VSTD00528

Tot Ion: 43 Resp: 77312

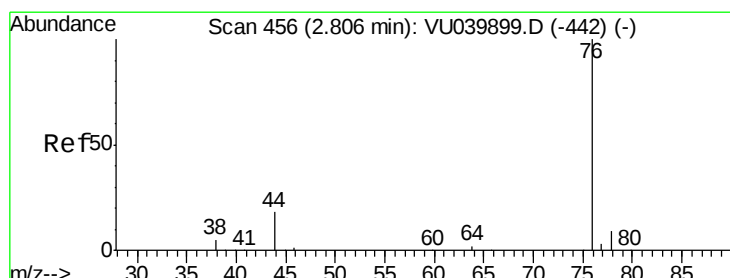
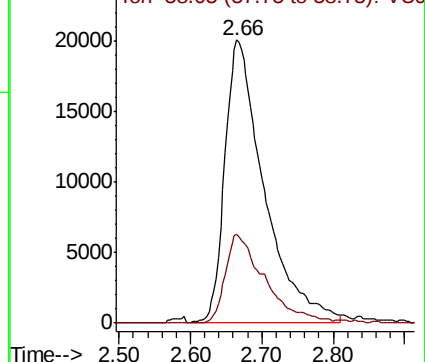
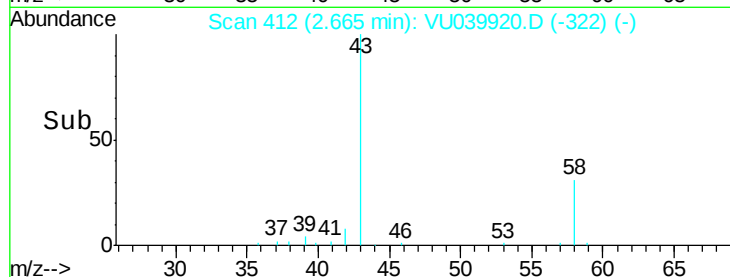
Ion Ratio Lower Upper

43 100

58 29.6 0.0 19.0#



Abundance Ion 43.05 (42.75 to 43.75): VU039920.D (-322) (-)



#14

Carbon disulfide

Concen: 4.609 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039920.D

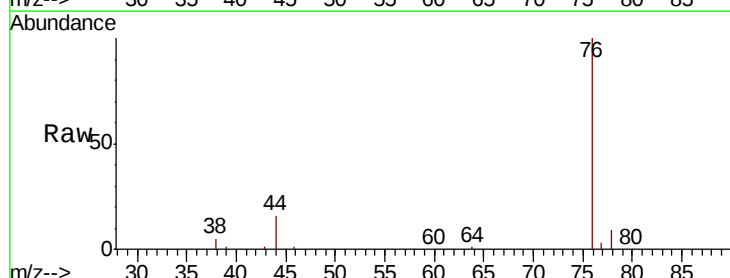
Acq: 21 Aug 2020 10:06

Tgt Ion: 76 Resp: 110318

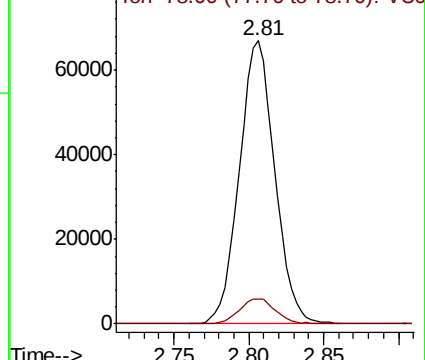
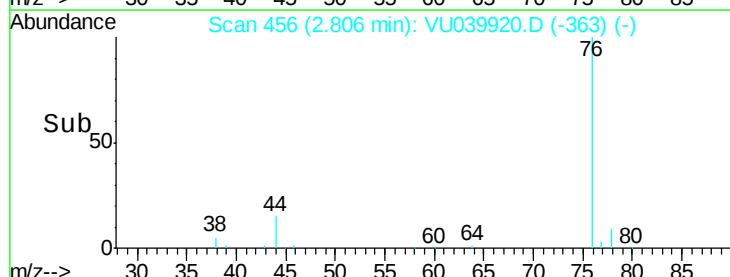
Ion Ratio Lower Upper

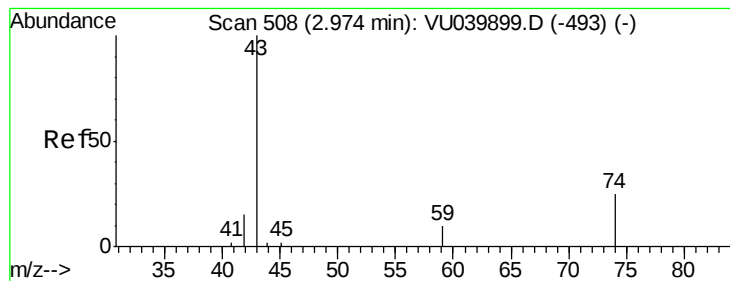
76 100

78 9.0 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU039920.D (-363) (-)





#15

Methvl Acetate

Concen: 4.422 ug/L

RT: 2.98 min Scan# 509

Delta R.T. -0.00 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

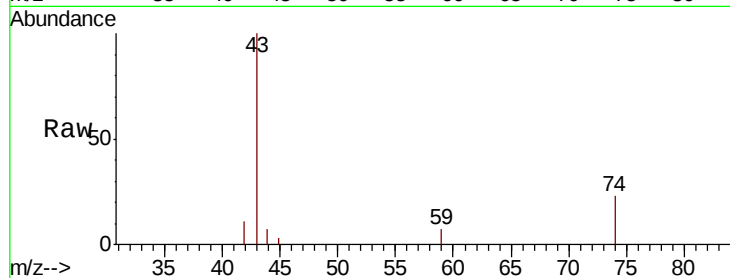
VSTD00528

Tot Ion: 43 Resp: 18332

Ion Ratio Lower Upper

43 100

74 21.3 16.3 24.5



Abundance Ion 43.05 (42.75 to 43.75): VU039899.D (-493) (-)

Ion 74.05 (73.75 to 74.75): VU039899.D (-493) (-)

2.98

8000

6000

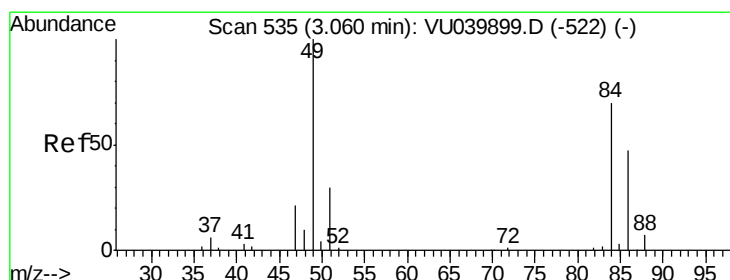
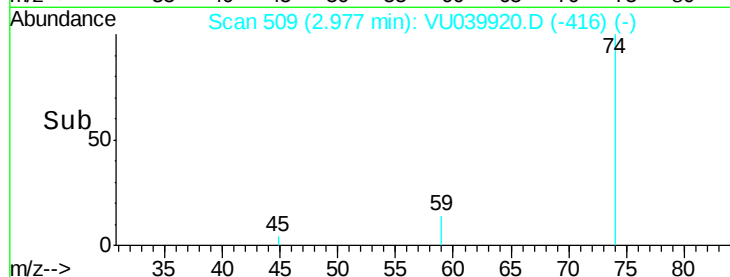
4000

2000

0

Time-->

2.90 2.95 3.00 3.05



#16

Methylene chloride

Concen: 4.054 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

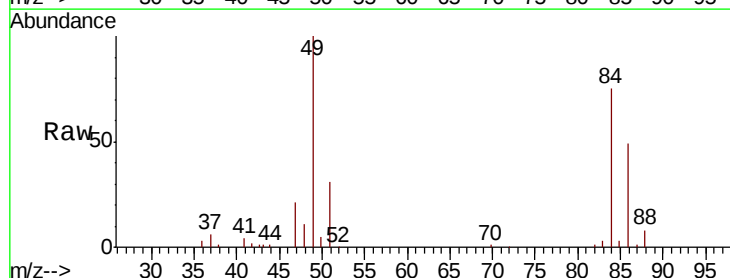
Tgt Ion: 84 Resp: 41282

Ion Ratio Lower Upper

84 100

86 65.7 47.2 87.6

49 133.4 99.8 185.4



Abundance Ion 84.05 (83.75 to 84.75): VU039899.D (-522) (-)

Ion 86.00 (85.70 to 86.70): VU039899.D (-522) (-)

Ion 49.10 (48.80 to 49.80): VU039899.D (-522) (-)

3.06

40000

30000

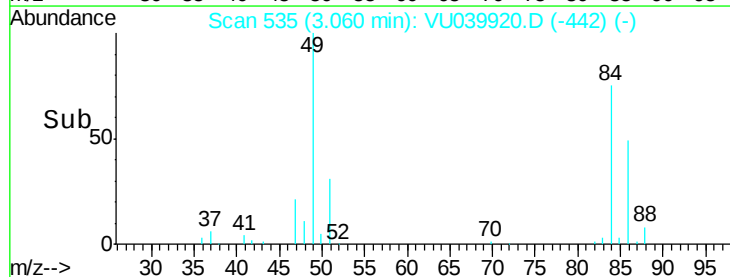
20000

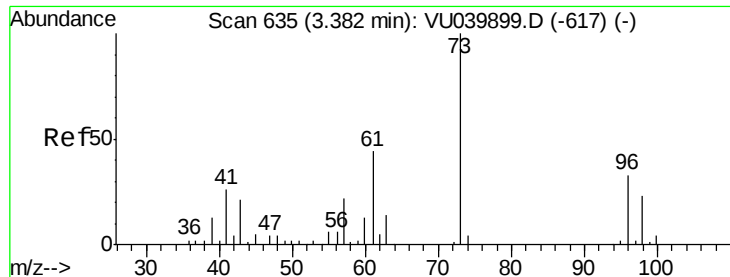
10000

0

Time-->

3.00 3.05 3.10 3.15





#17

Methvl tert-butvl Ether

Concen: 4.961 ug/L

RT: 3.38 min Scan# 634

Delta R.T. -0.00 min

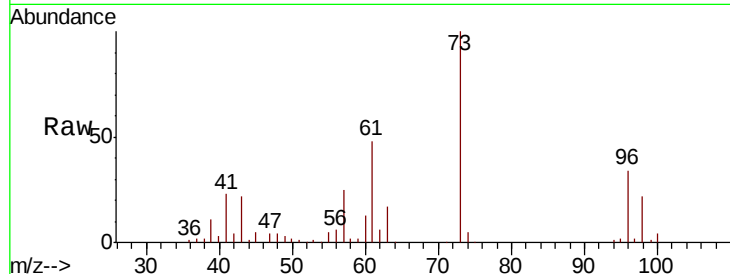
Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Tot Ion: 73 Resp: 92652

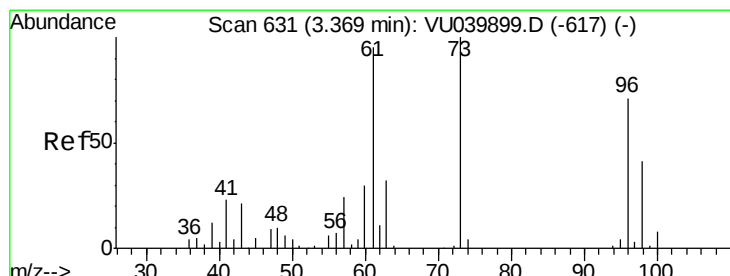
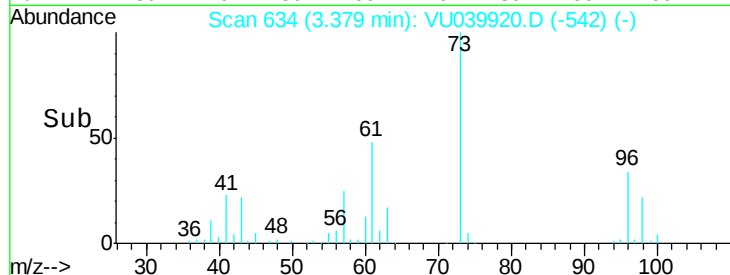
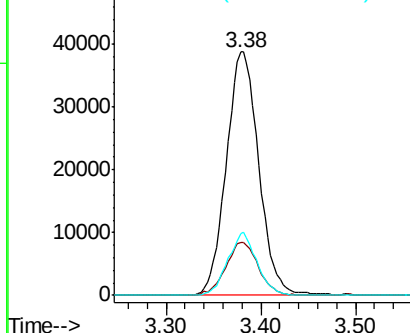
Ion	Ratio	Lower	Upper
73	100		
43	21.9	16.6	24.8
57	23.0	18.2	27.4



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: 4.678 ug/L

RT: 3.37 min Scan# 631

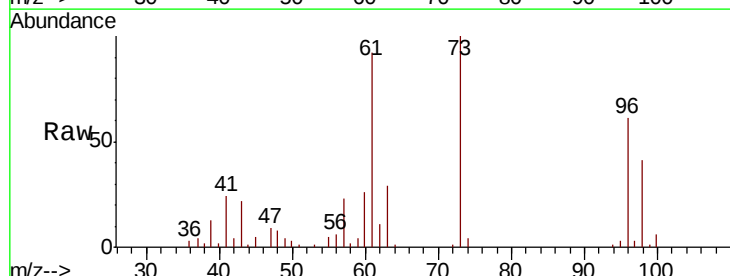
Delta R.T. 0.00 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

Tgt Ion: 96 Resp: 35979

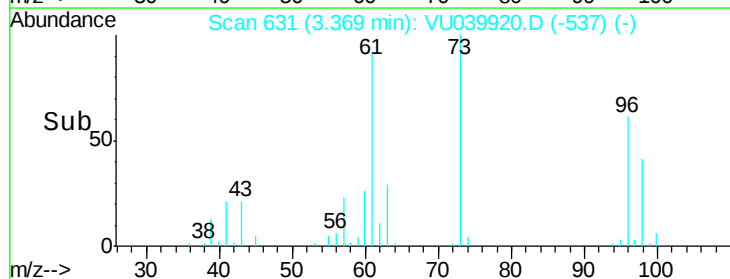
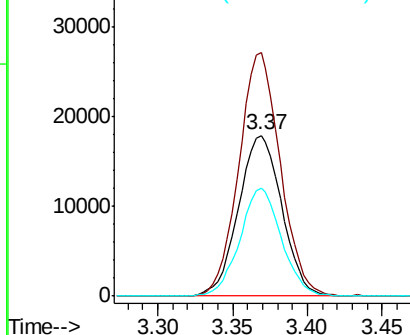
Ion	Ratio	Lower	Upper
96	100		
61	151.7	93.7	173.9
98	67.5	40.7	75.5

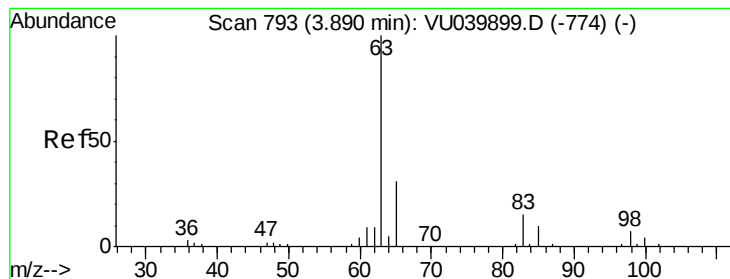


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 4.838 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

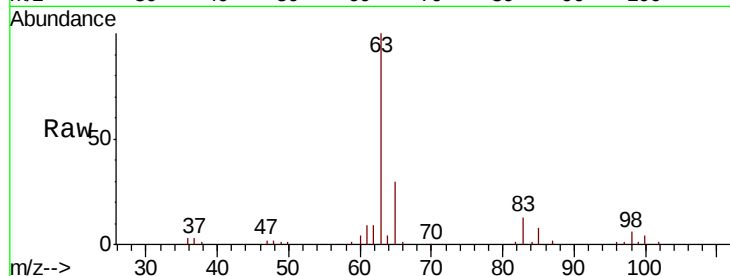
Tot Ion: 63 Resp: 68980

Ion Ratio Lower Upper

63 100

65 29.9 21.6 40.0

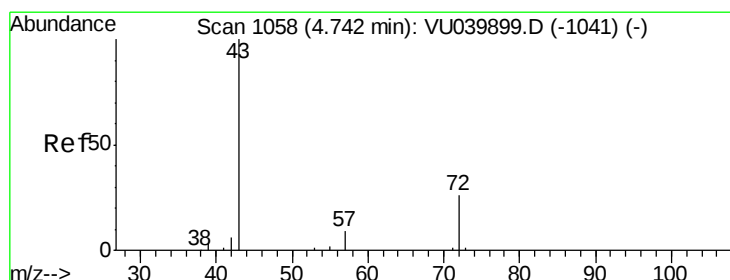
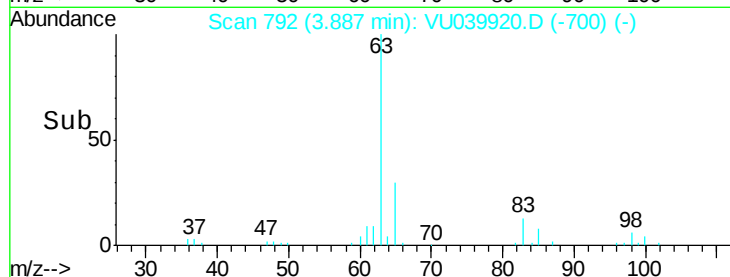
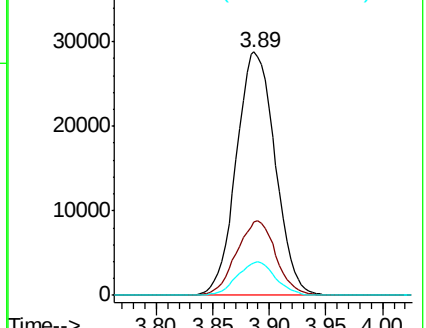
83 13.4 10.3 19.1



Abundance Ion 63.10 (62.80 to 63.80): VU039920.D (-700) (-)

Ion 65.10 (64.80 to 65.80): VU039920.D (-700) (-)

Ion 83.05 (82.75 to 83.75): VU039920.D (-700) (-)



#21

2-Butanone

Concen: 44.648 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. -0.01 min

Lab File: VU039920.D

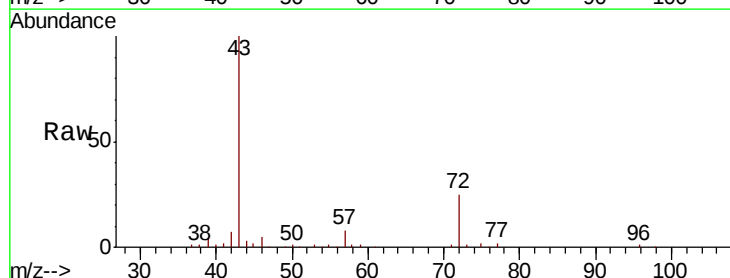
Acq: 21 Aug 2020 10:06

Tgt Ion: 43 Resp: 125287

Ion Ratio Lower Upper

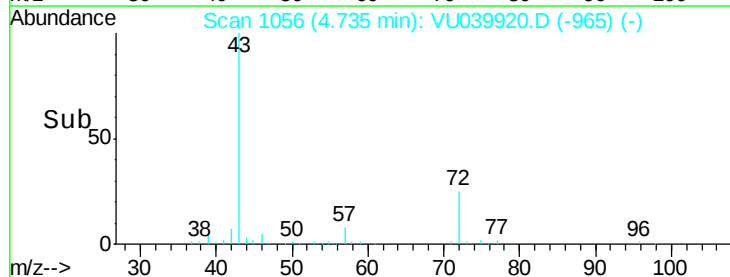
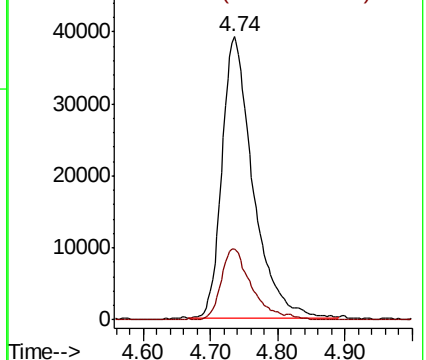
43 100

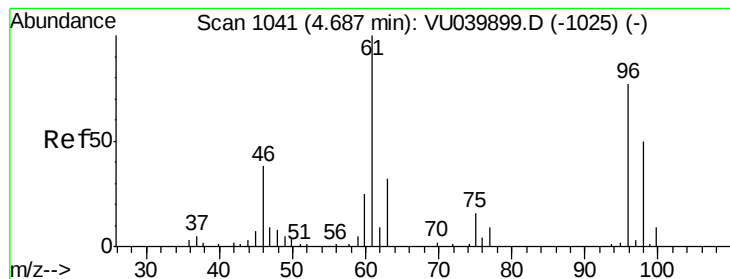
72 24.4 12.7 38.0



Abundance Ion 43.05 (42.75 to 43.75): VU039920.D (-965) (-)

Ion 72.10 (71.80 to 72.80): VU039920.D (-965) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.819 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

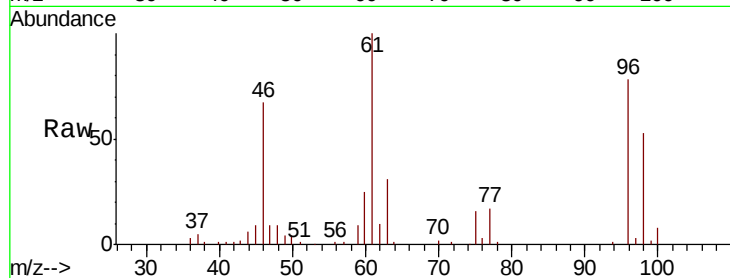
Tot Ion: 96 Resp: 38798

Ion Ratio Lower Upper

96 100

61 128.6 90.9 168.9

68 0.0 0.0 0.0

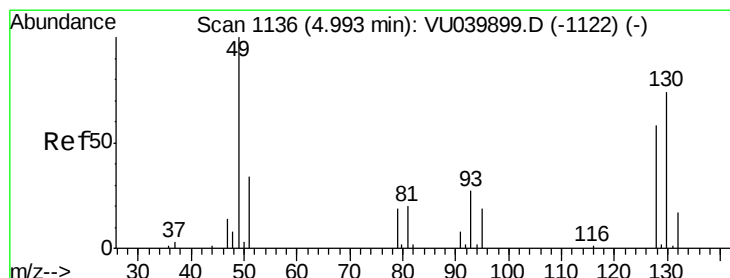
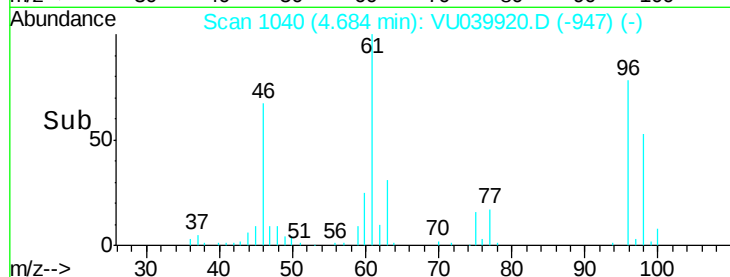
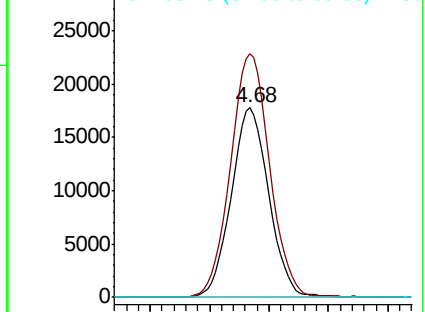


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 4.662 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

Tgt Ion:128 Resp: 17654

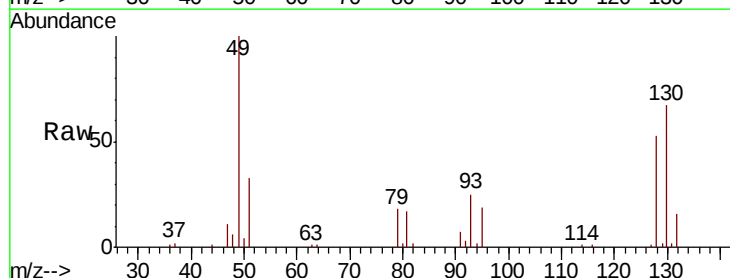
Ion Ratio Lower Upper

128 100

49 189.8 121.2 225.2

130 126.8 90.2 167.6

51 62.7 47.2 70.8



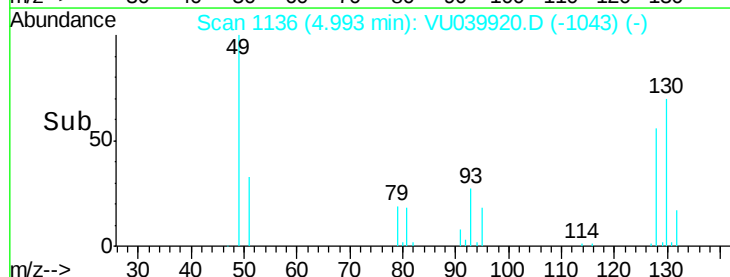
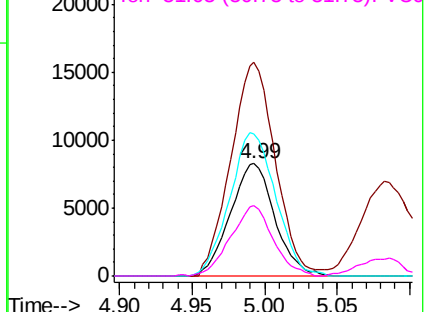
Abundance

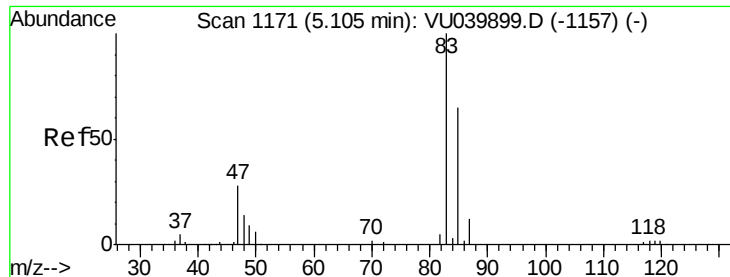
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

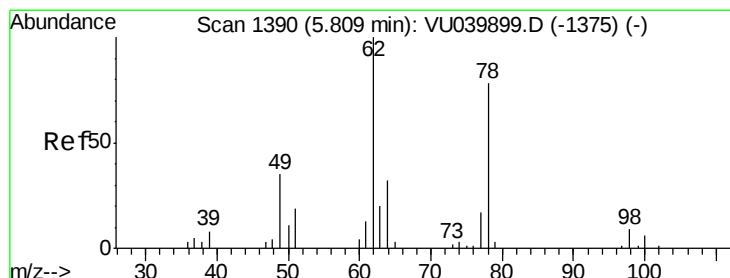
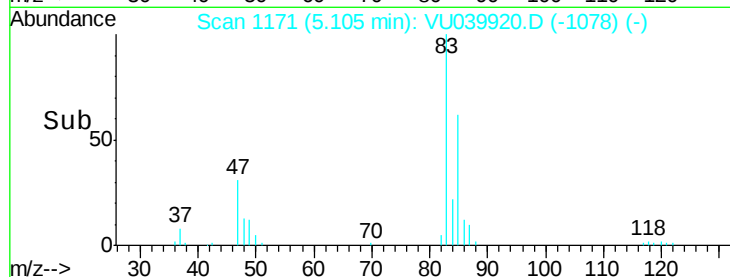
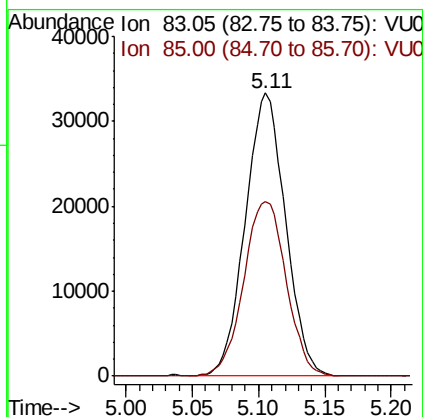
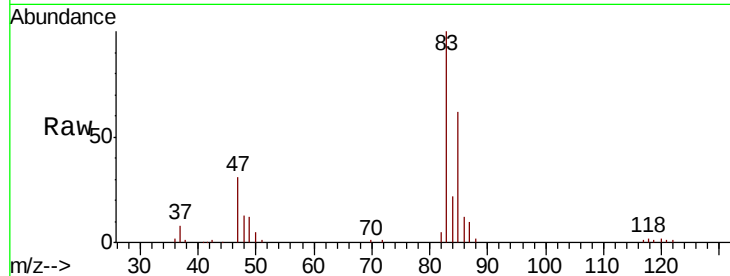




#25
Chloroform
Concen: 4.881 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039920.D
Acq: 21 Aug 2020 10:06

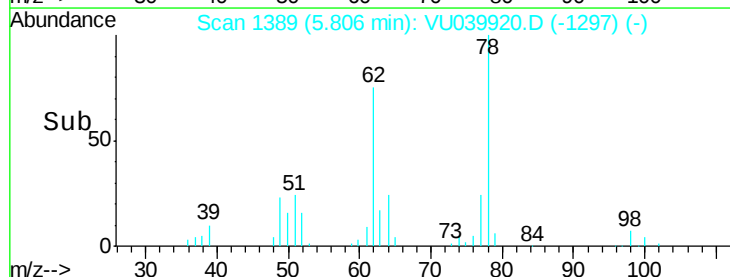
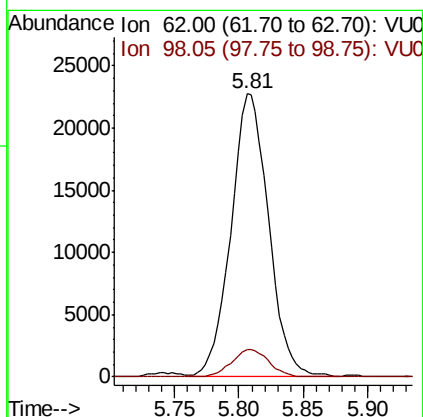
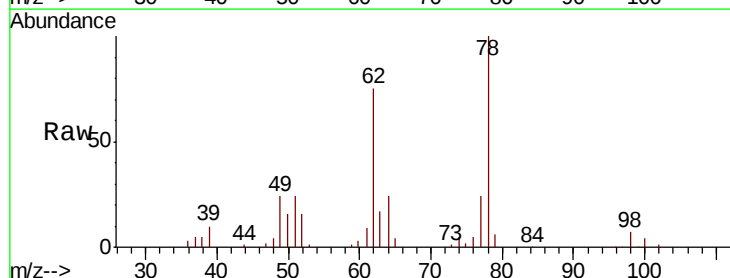
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

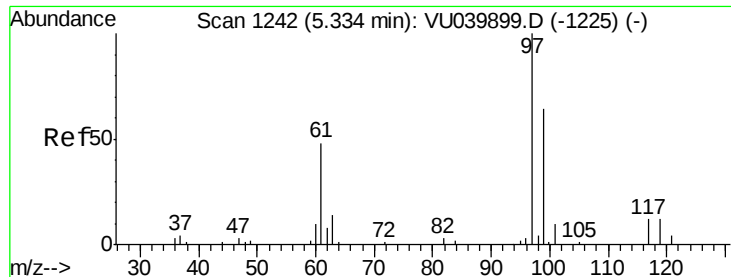
Tot Ion: 83 Resp: 70543
Ion Ratio Lower Upper
83 100
85 61.6 46.4 86.2



#27
1,2-Dichloroethane
Concen: 4.552 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU039920.D
Acq: 21 Aug 2020 10:06

Tgt Ion: 62 Resp: 46166
Ion Ratio Lower Upper
62 100
98 9.5 7.4 11.2

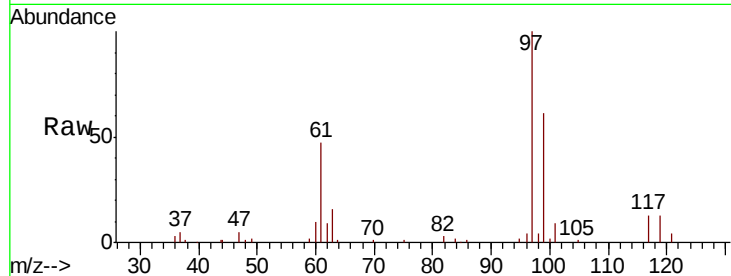




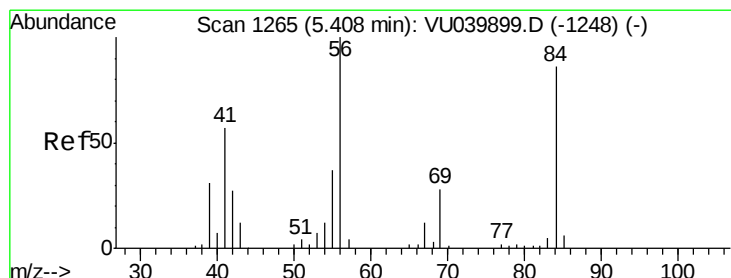
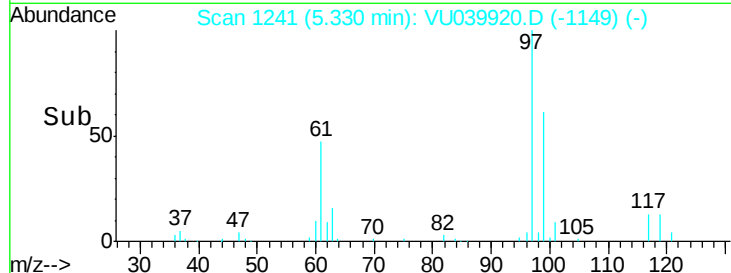
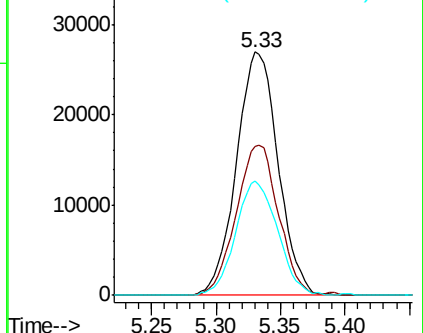
#29
 1,1,1-Trichloroethane
 Concen: 4.952 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU039920.D
 Acq: 21 Aug 2020 10:06

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00528

Tot Ion: 97 Resp: 60690
 Ion Ratio Lower Upper
 97 100
 99 62.4 51.4 77.2
 61 47.3 39.1 58.7

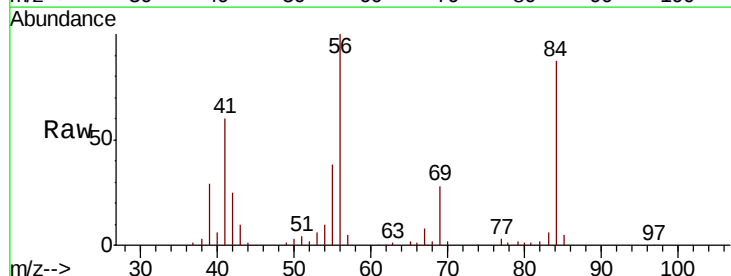


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

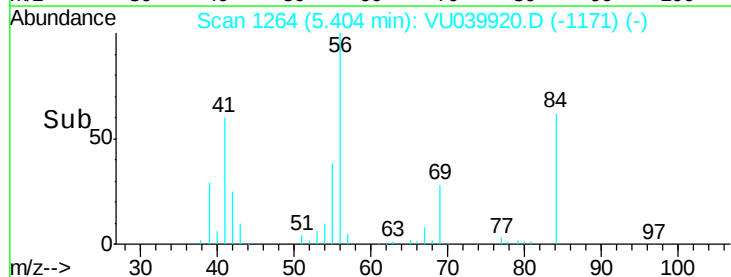
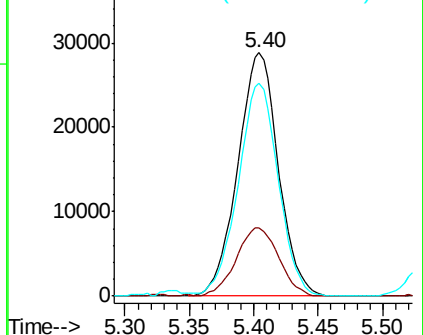


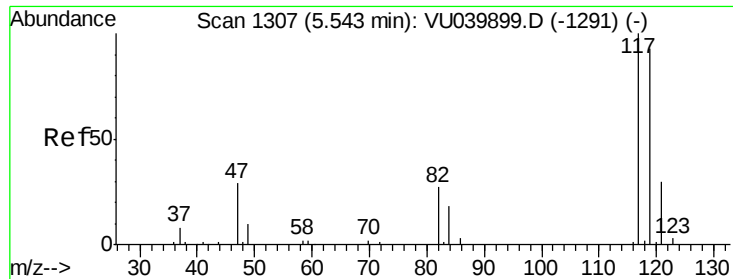
#30
 Cyclohexane
 Concen: 5.197 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU039920.D
 Acq: 21 Aug 2020 10:06

Tgt Ion: 56 Resp: 63050
 Ion Ratio Lower Upper
 56 100
 69 29.4 23.1 34.7
 84 86.8 69.0 103.6



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

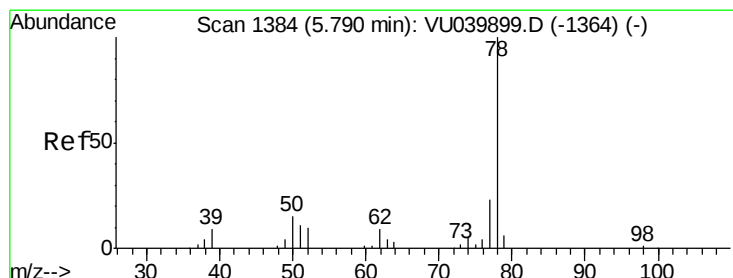
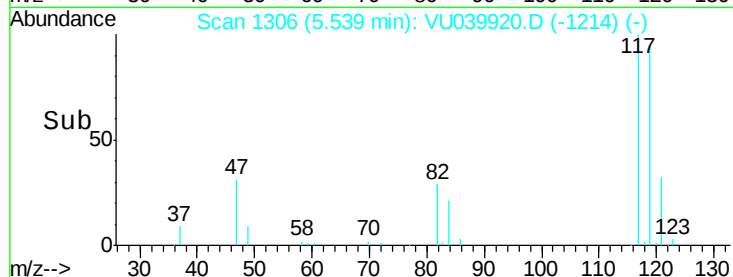
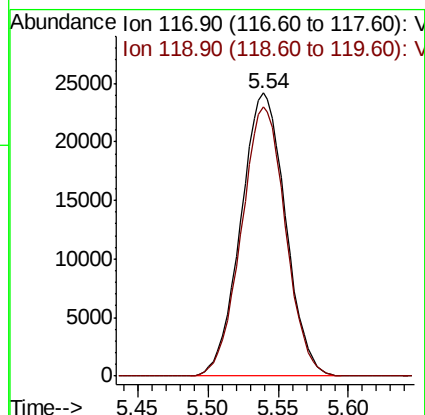
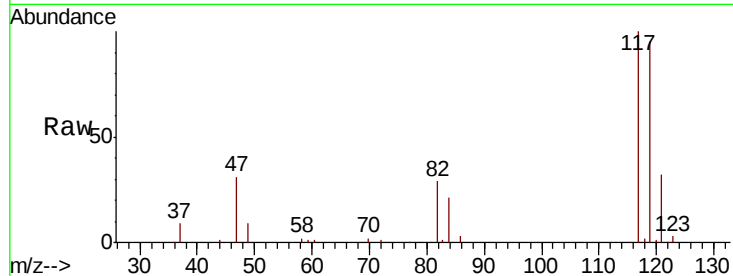




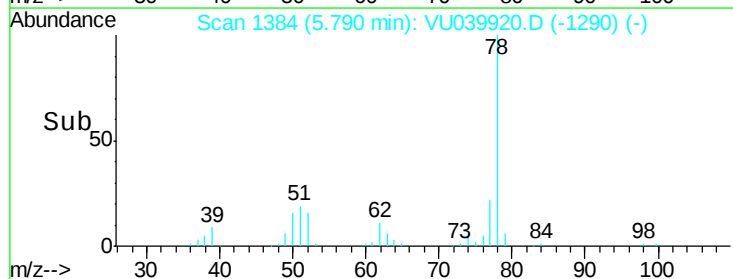
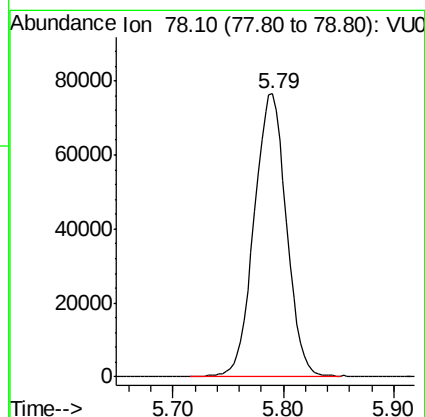
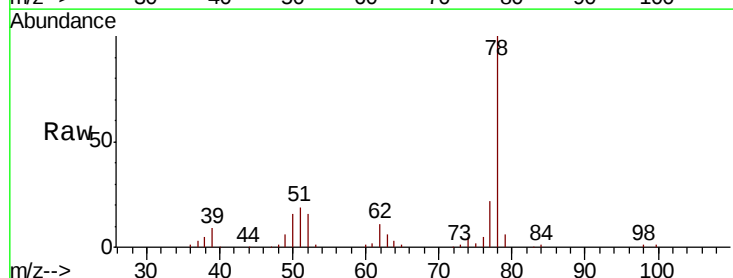
#31
Carbon tetrachloride
Concen: 4.950 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VU039920.D
Acq: 21 Aug 2020 10:06

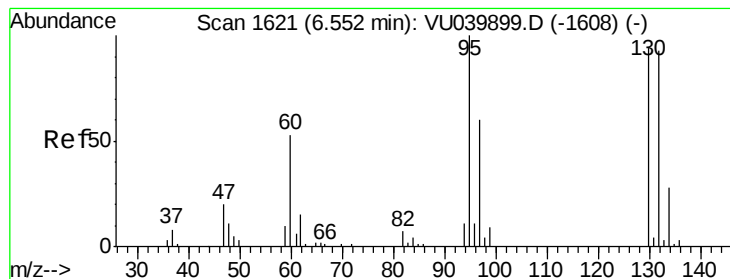
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Tot Ion:117 Resp: 53562
Ion Ratio Lower Upper
117 100
119 93.9 77.6 116.4



#33
Benzene
Concen: 5.145 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU039920.D
Acq: 21 Aug 2020 10:06
Tgt Ion: 78 Resp: 155791





#34

Trichloroethene

Concen: 4.811 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

Tot Ion: 95 Resp: 37804

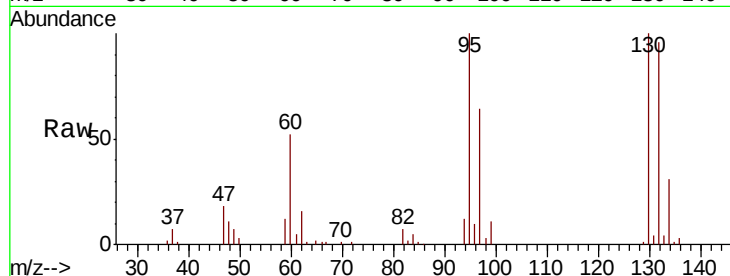
Ion Ratio Lower Upper

95 100

97 64.0 42.0 78.0

132 96.2 65.0 120.8

130 100.3 65.5 121.7

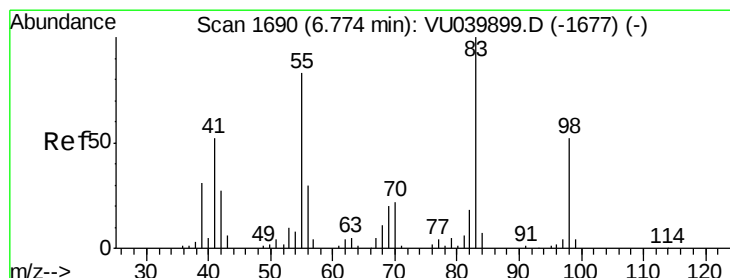
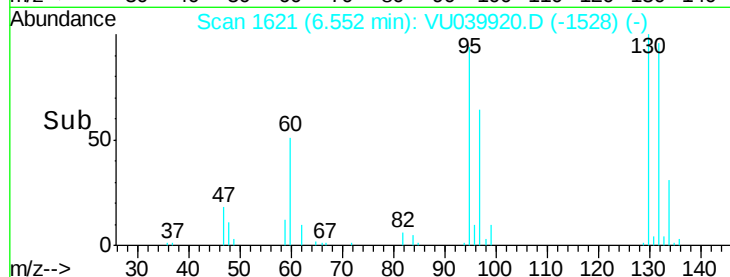
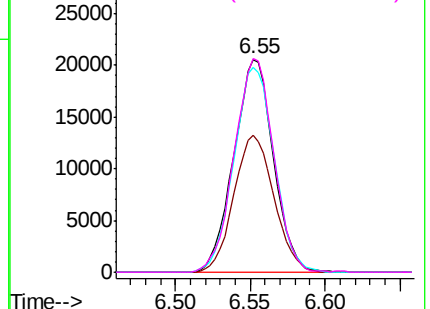


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.131 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

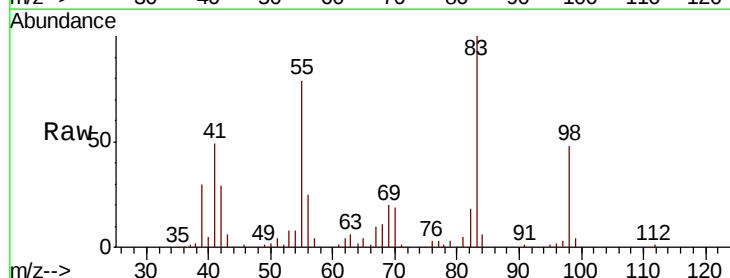
Tgt Ion: 83 Resp: 61762

Ion Ratio Lower Upper

83 100

55 80.8 64.1 96.1

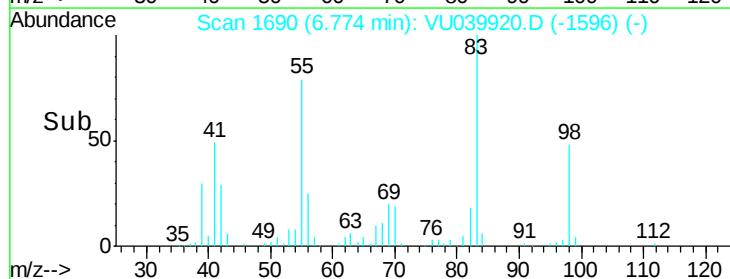
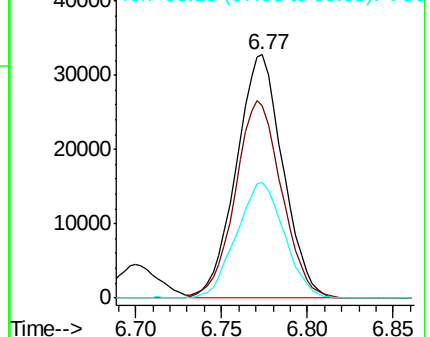
98 48.8 39.4 59.0

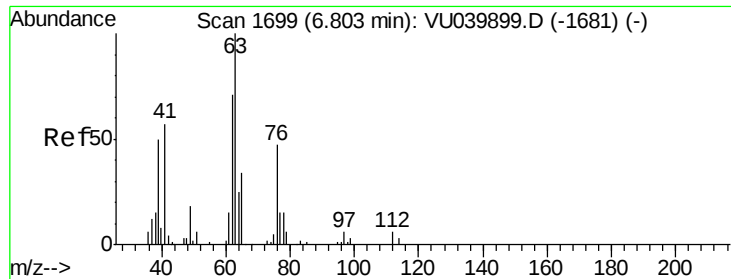


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

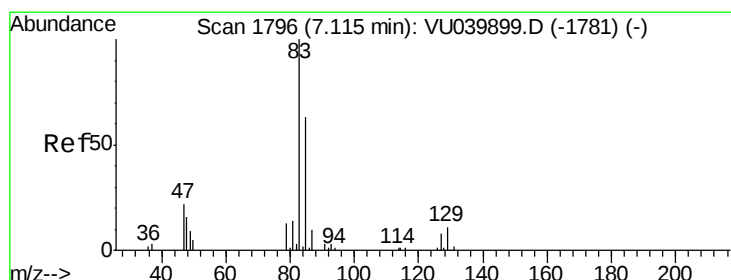
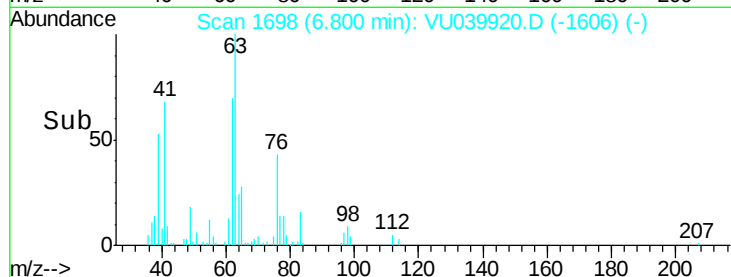
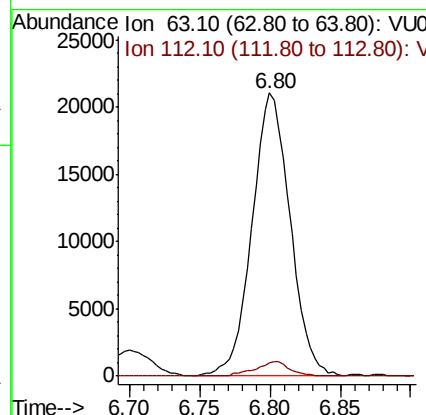
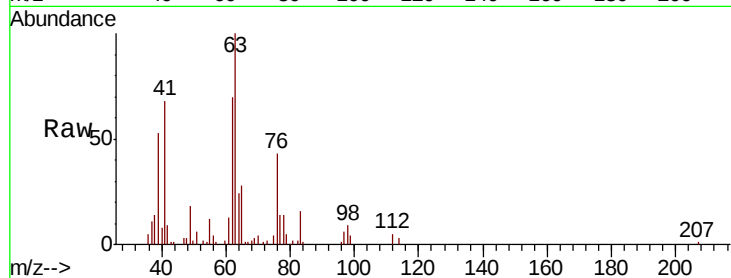




#37
 1,2-Dichloropropane
 Concen: 4.956 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU039920.D
 Acq: 21 Aug 2020 10:06

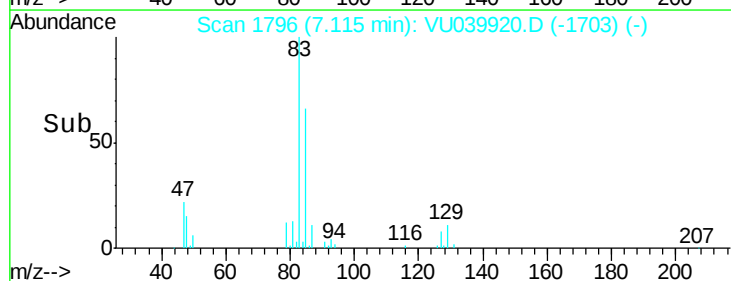
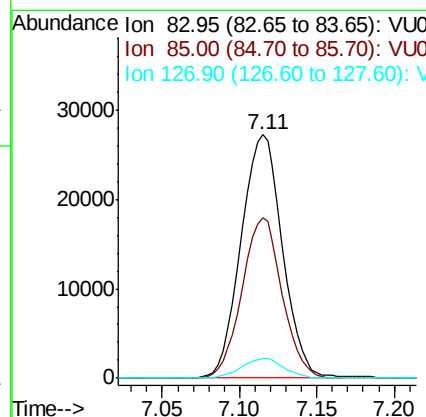
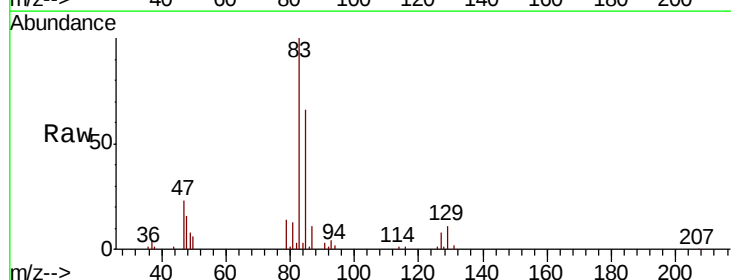
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

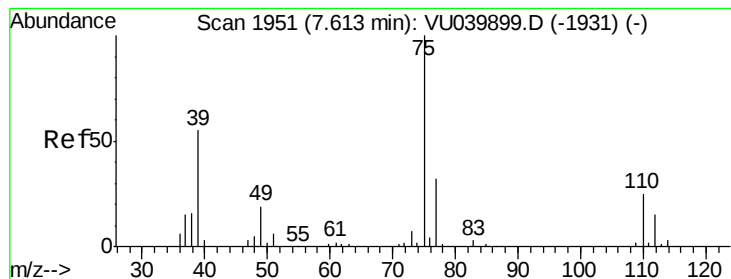
Tot Ion: 63 Resp: 39873
 Ion Ratio Lower Upper
 63 100
 112 4.6 4.1 6.1



#38
 Bromodichloromethane
 Concen: 4.956 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU039920.D
 Acq: 21 Aug 2020 10:06

Tgt Ion: 83 Resp: 50672
 Ion Ratio Lower Upper
 83 100
 85 65.9 44.3 82.3
 127 8.1 6.7 10.1



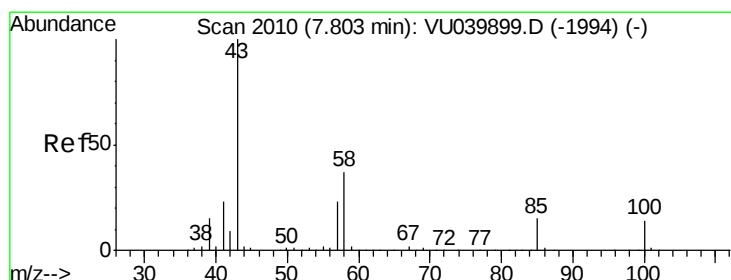
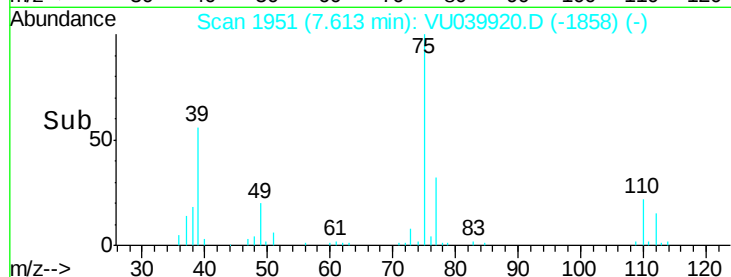
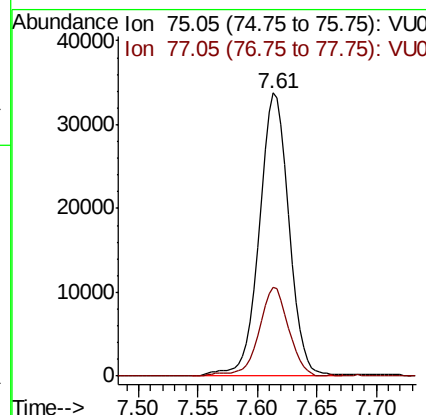
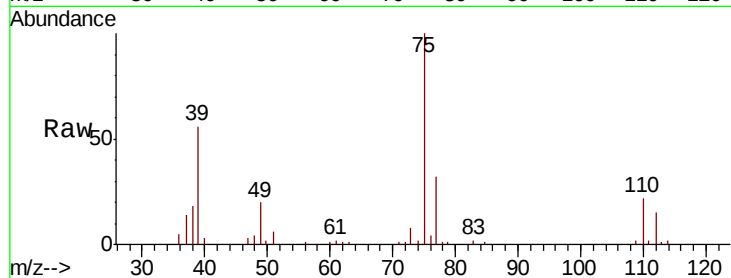


#39

cis-1,3-Dichloropropene
 Concen: 5.202 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU039920.D
 Acq: 21 Aug 2020 10:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

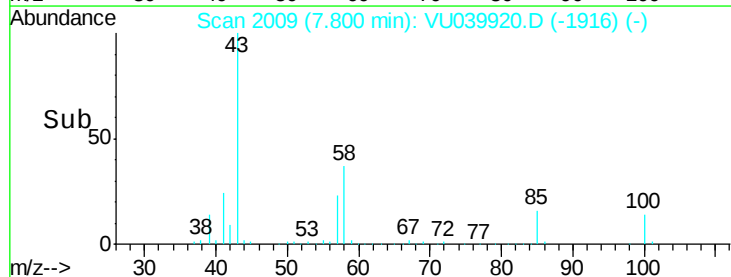
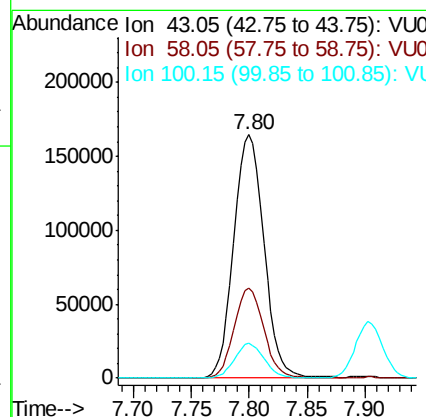
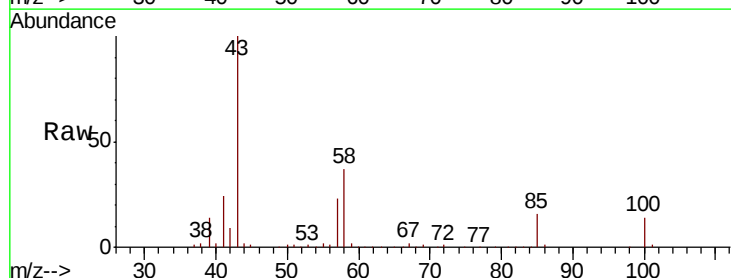
Tot Ion: 75 Resp: 58497
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.6 42.0

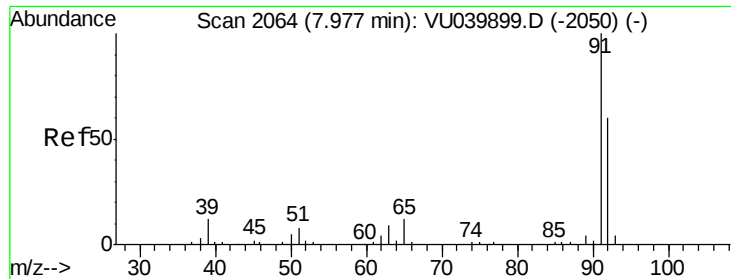


#40

4-Methyl-2-pentanone
 Concen: 46.723 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU039920.D
 Acq: 21 Aug 2020 10:06

Tgt Ion: 43 Resp: 297714
 Ion Ratio Lower Upper
 43 100
 58 36.1 29.7 44.5
 100 14.0 11.2 16.8





#42

Toluene

Concen: 5.037 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

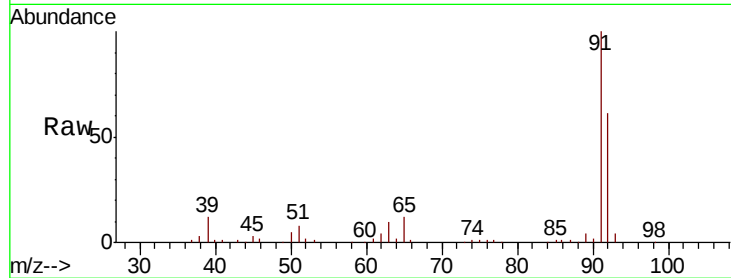
VSTD00528

Tot Ion: 91 Resp: 155974

Ion Ratio Lower Upper

91 100

92 60.7 42.3 78.5



Abundance Ion 91.15 (90.85 to 91.85): VU039899.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039899.D (-2050) (-)

7.97

100000

80000

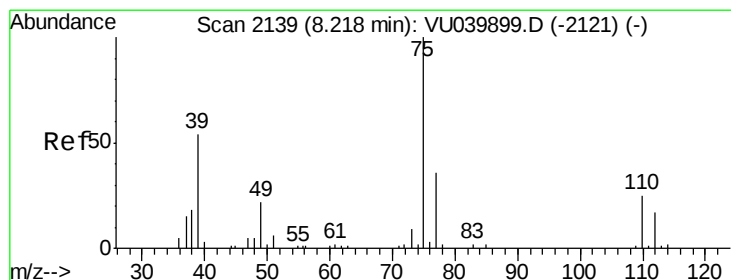
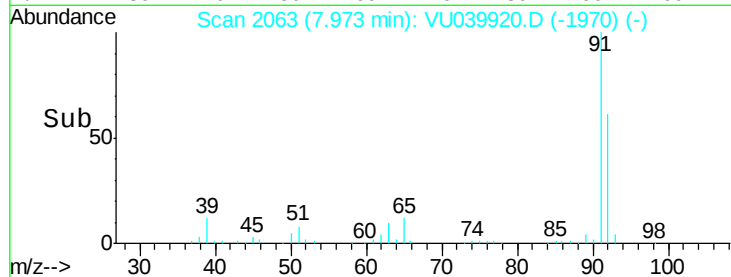
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.923 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU039920.D

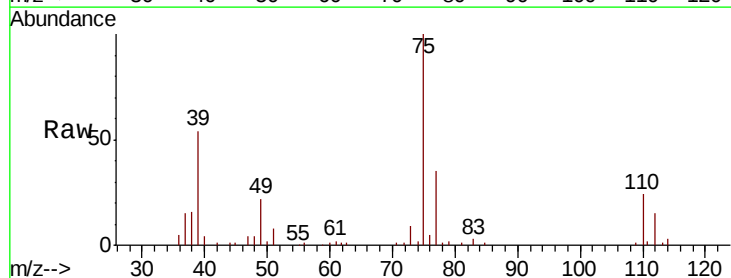
Acq: 21 Aug 2020 10:06

Tgt Ion: 75 Resp: 52014

Ion Ratio Lower Upper

75 100

77 35.0 25.3 46.9



Abundance Ion 75.05 (74.75 to 75.75): VU039899.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU039899.D (-2121) (-)

8.21

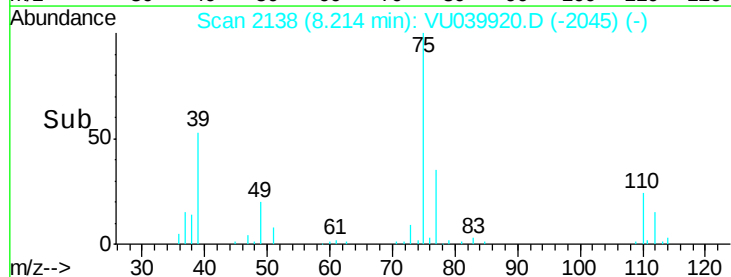
30000

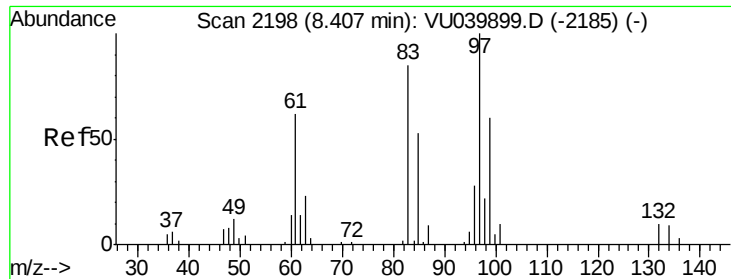
20000

10000

0

Time-->

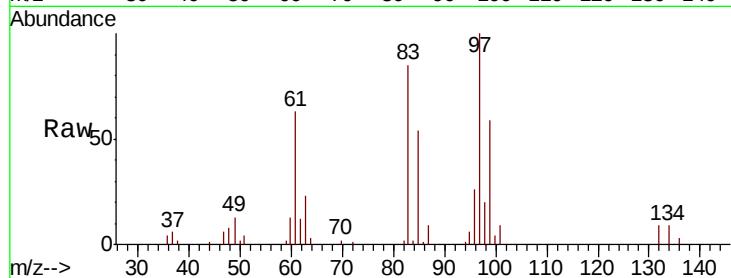




#45
 1,1,2-Trichloroethane
 Concen: 4.926 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU039920.D
 Acq: 21 Aug 2020 10:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tot Ion:	97	Resp:	30117
Ion	Ratio	Lower	Upper
97	100		
99	58.9	42.1	78.3
83	84.6	59.3	110.1
85	54.1	37.2	69.2



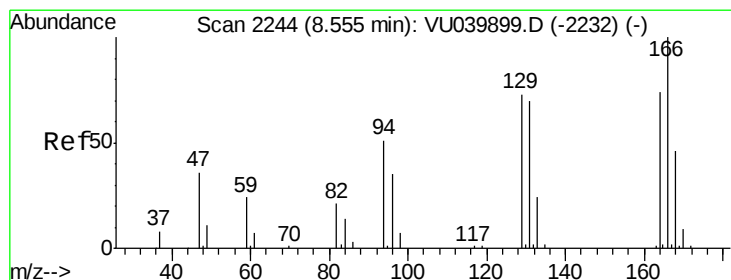
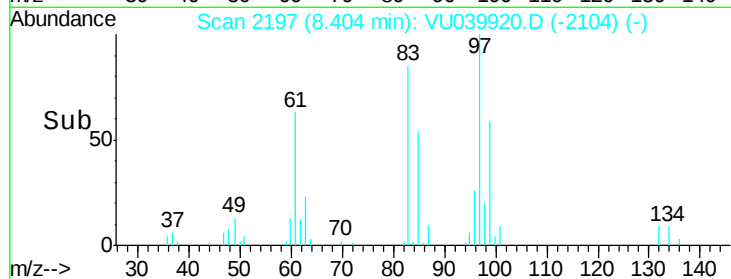
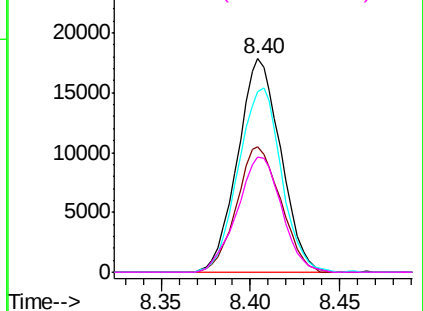
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

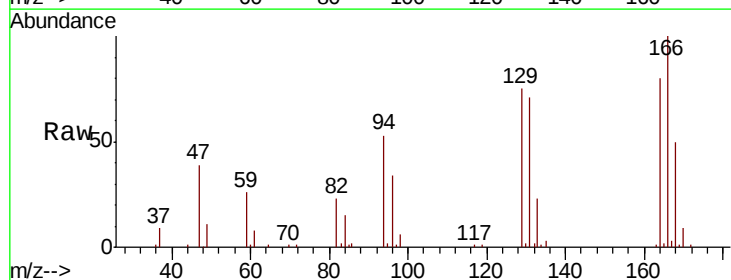
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 5.107 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU039920.D
 Acq: 21 Aug 2020 10:06

Tgt Ion:	164	Resp:	29604
Ion	Ratio	Lower	Upper
164	100		
129	93.6	69.1	128.3
131	88.0	66.0	122.6
166	124.3	94.0	174.6



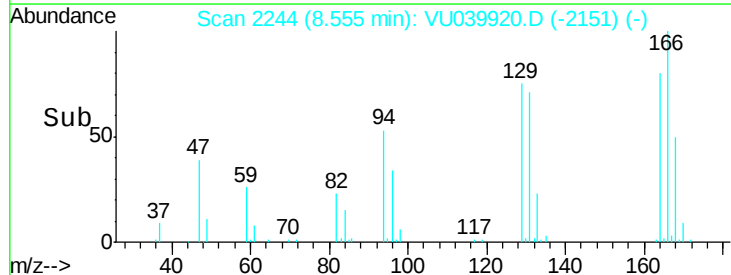
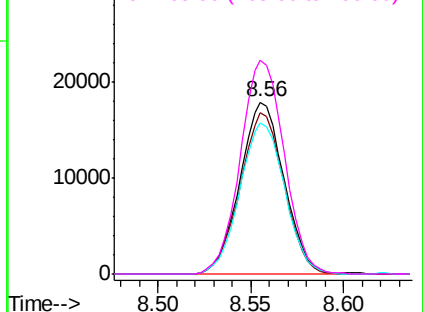
Abundance

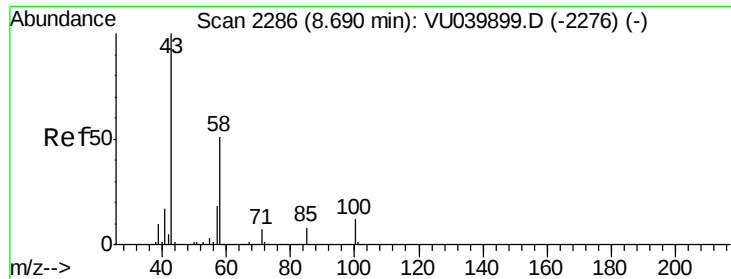
Ion 163.90 (163.60 to 164.60): V

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

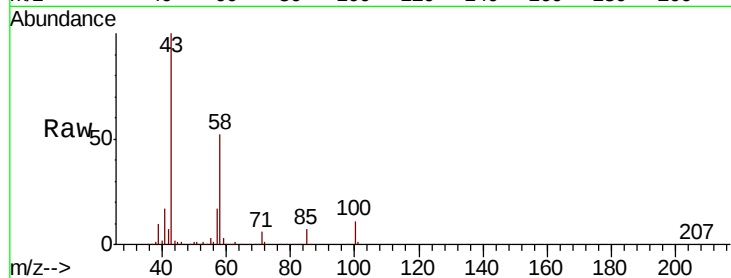




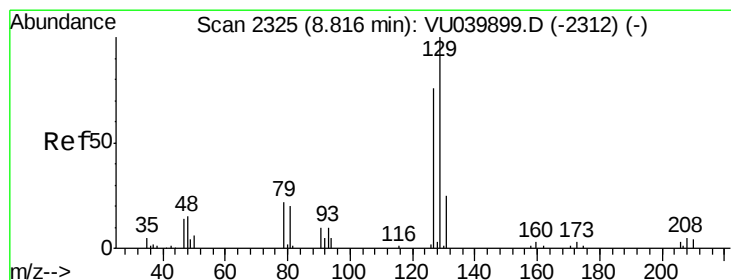
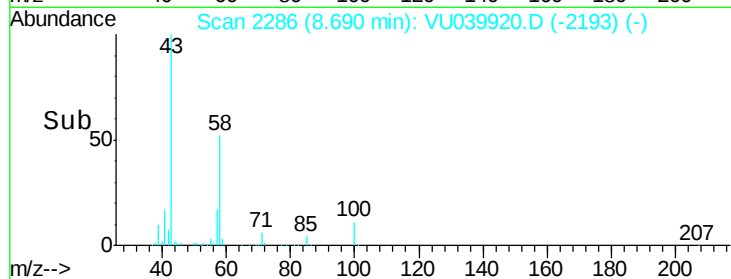
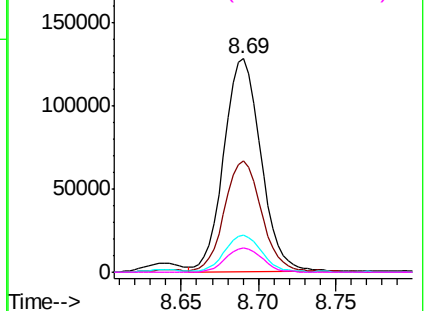
#48
2-Hexanone
Concen: 46.451 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039920.D
Acq: 21 Aug 2020 10:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Tot Ion:	43	Resp:	212106
Ion	Ratio	Lower	Upper
43	100		
58	51.5	41.3	61.9
57	17.4	14.1	21.1
100	11.3	9.1	13.7

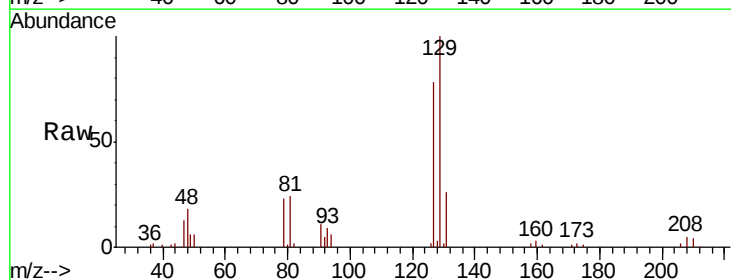


Abundance Ion 43.05 (42.75 to 43.75): VU039899.D (-2276) (-)
Ion 58.05 (57.75 to 58.75): VU039899.D (-2276) (-)
Ion 57.20 (56.90 to 57.90): VU039899.D (-2276) (-)
Ion 100.15 (99.85 to 100.85): VU039899.D (-2276) (-)

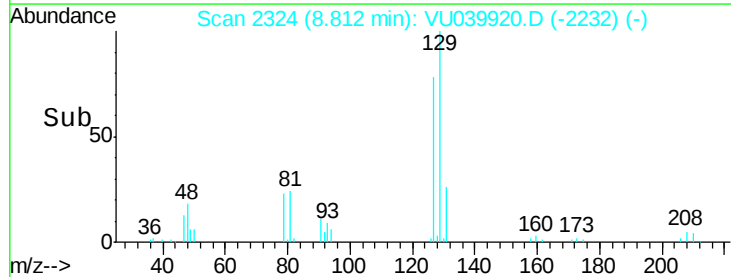
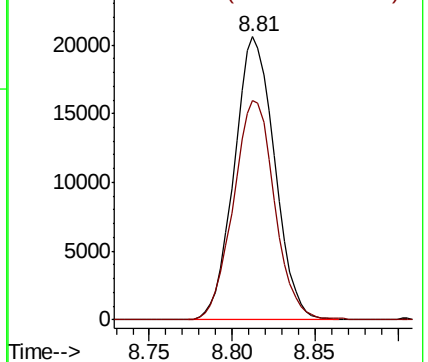


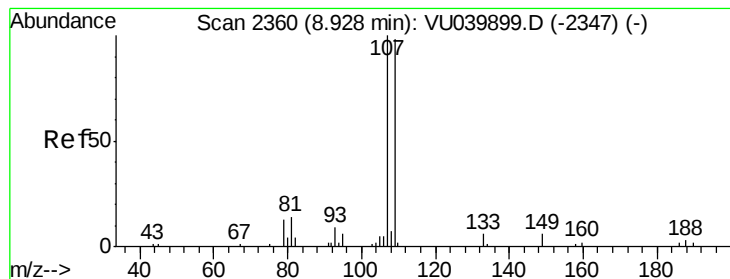
#49
Dibromochloromethane
Concen: 4.774 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU039920.D
Acq: 21 Aug 2020 10:06

Tgt Ion:	129	Resp:	34846
Ion	Ratio	Lower	Upper
129	100		
127	77.6	53.1	98.7



Abundance Ion 128.95 (128.65 to 129.65): VU039899.D (-2312) (-)
Ion 126.90 (126.60 to 127.60): VU039899.D (-2312) (-)





#50

1,2-Dibromoethane

Concen: 4.870 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. -0.00 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

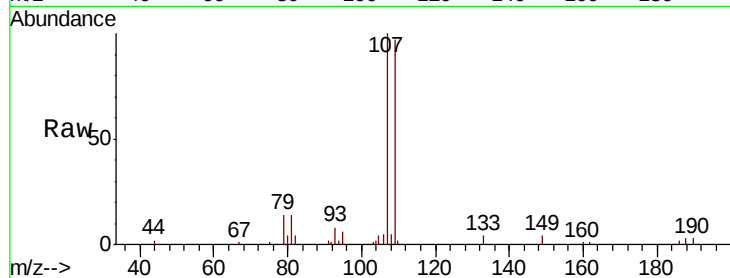
Tot Ion:107 Resp: 28352

Ion Ratio Lower Upper

107 100

109 97.2 68.3 126.9

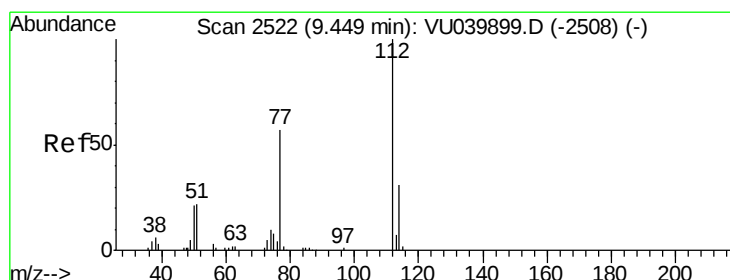
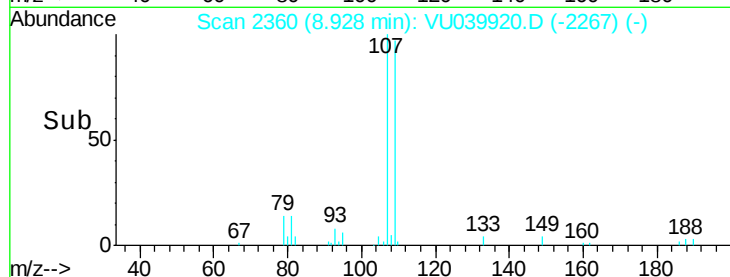
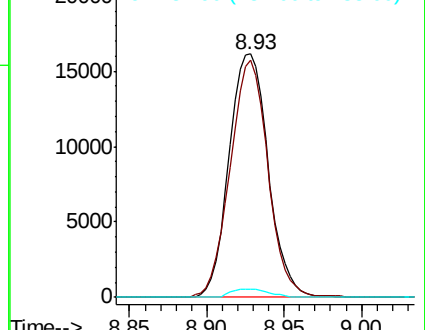
188 3.2 2.2 3.4



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 4.984 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

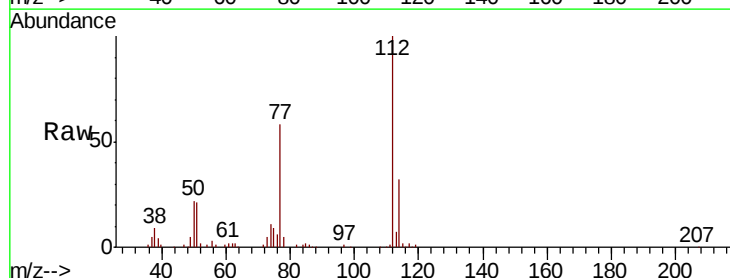
Tgt Ion:112 Resp: 100759

Ion Ratio Lower Upper

112 100

114 31.6 21.8 40.4

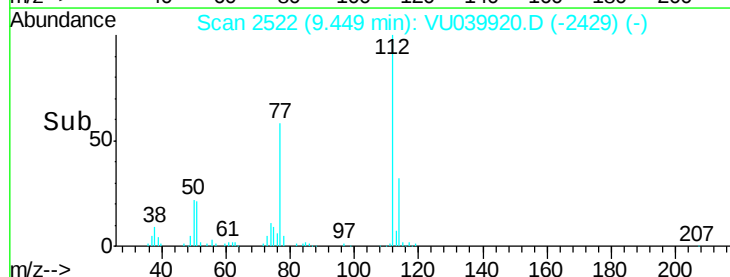
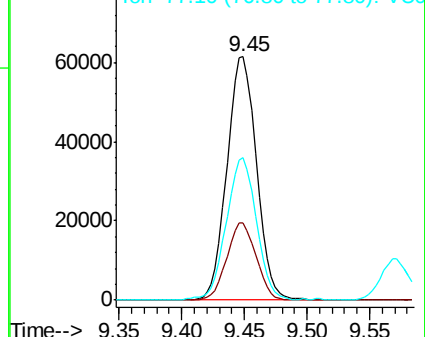
77 58.4 45.4 68.0

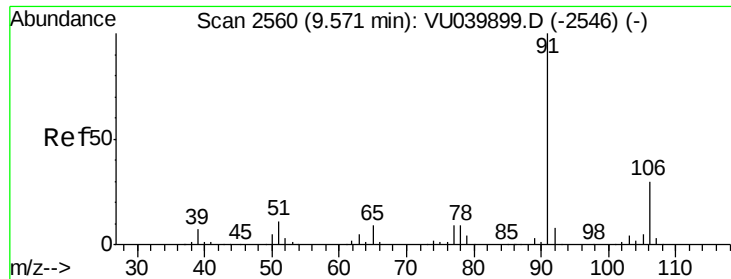


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0





#52

Ethylbenzene

Concen: 4.919 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

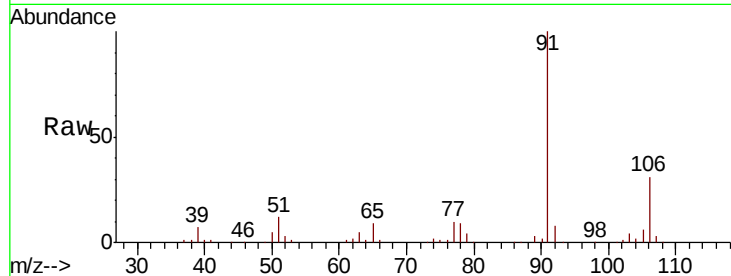
VSTD00528

Tot Ion: 91 Resp: 165686

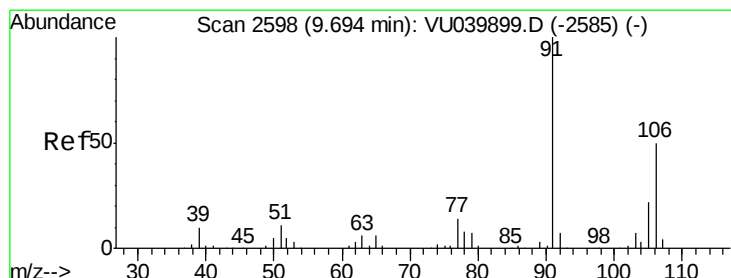
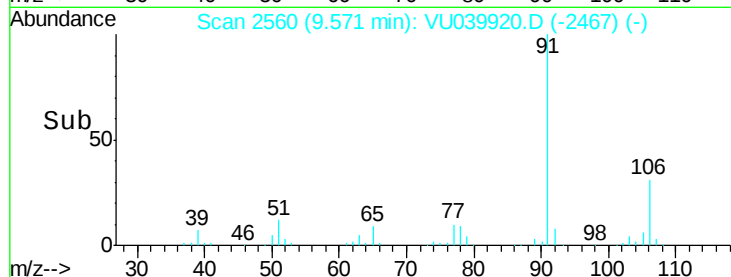
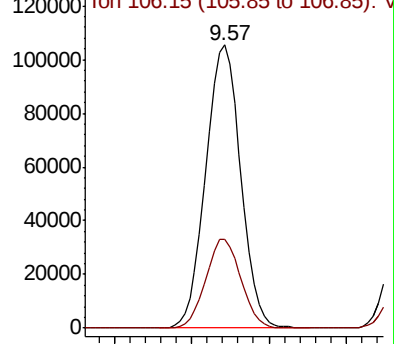
Ion Ratio Lower Upper

91 100

106 31.5 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU039920.D (-2467) (-)



#53

m,p-Xylene

Concen: 5.180 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039920.D

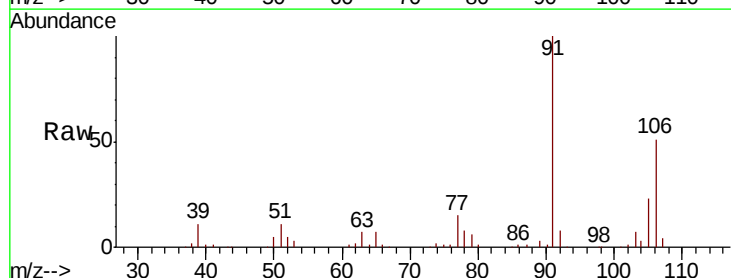
Acq: 21 Aug 2020 10:06

Tgt Ion: 106 Resp: 66964

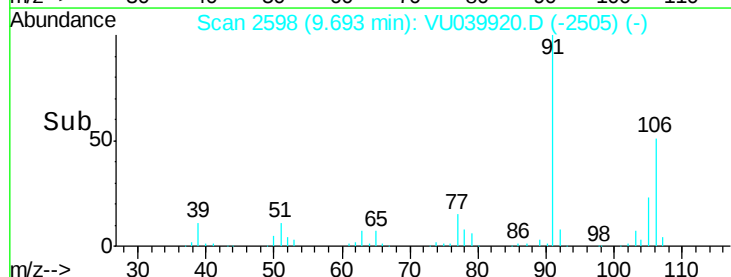
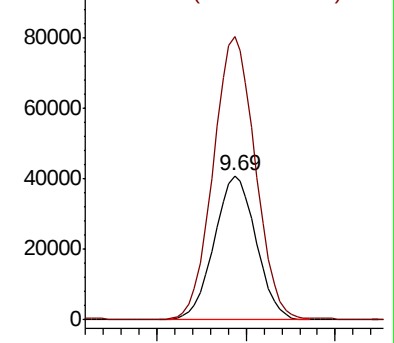
Ion Ratio Lower Upper

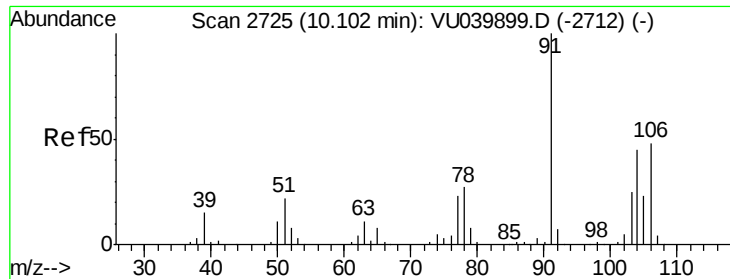
106 100

91 196.6 139.8 259.6



Abundance Ion 106.15 (105.85 to 106.85): VU039920.D (-2505) (-)

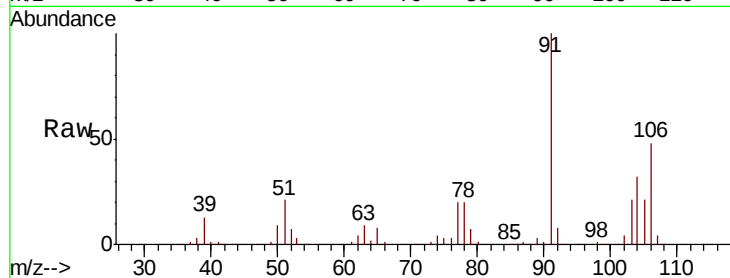




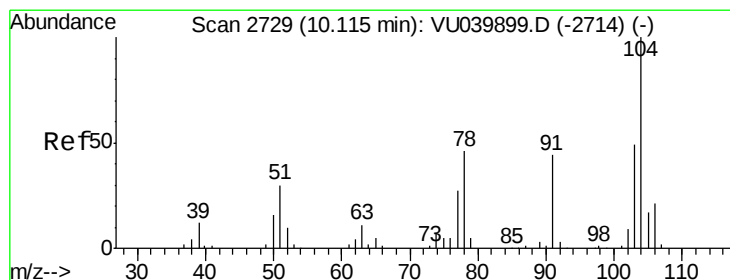
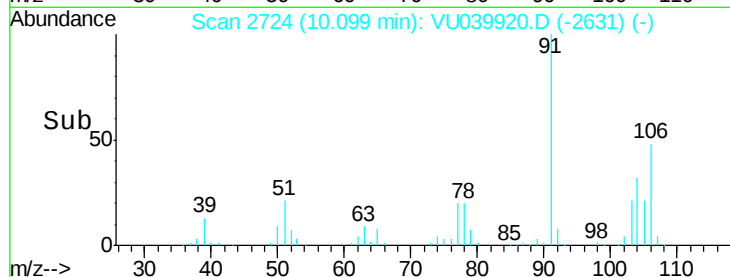
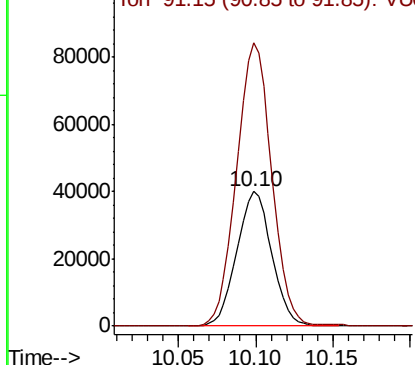
#54
o-Xylene
Concen: 5.139 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU039920.D
Acq: 21 Aug 2020 10:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Tot Ion:106 Resp: 62801
Ion Ratio Lower Upper
106 100
91 210.4 144.6 268.6

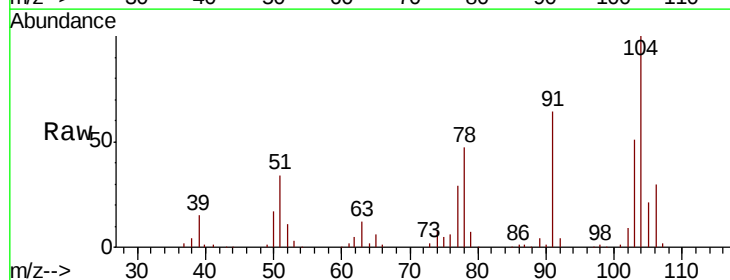


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

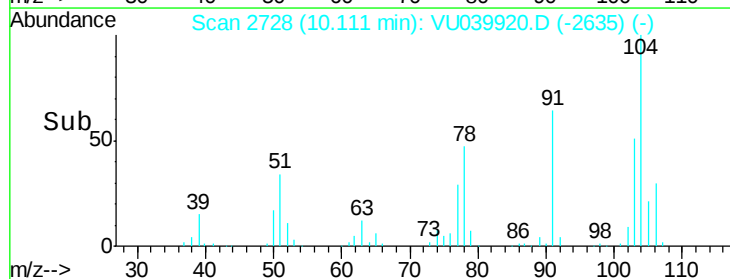
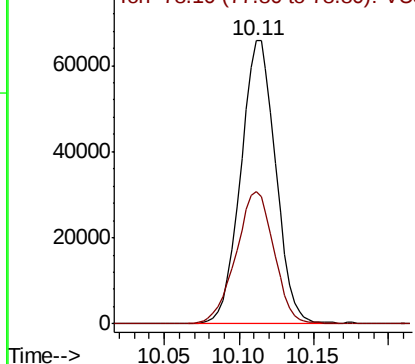


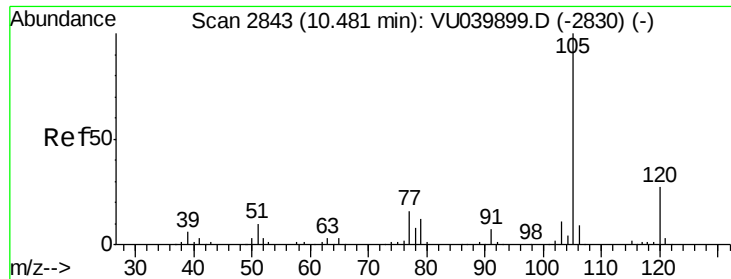
#55
Styrene
Concen: 5.047 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU039920.D
Acq: 21 Aug 2020 10:06

Tgt Ion:104 Resp: 106915
Ion Ratio Lower Upper
104 100
78 46.9 32.3 59.9



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





#56

Isopropylbenzene

Concen: 5.027 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

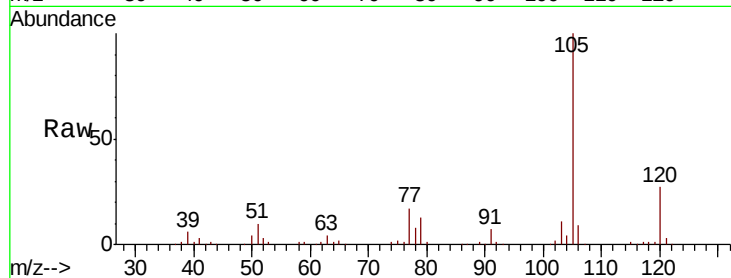
Tot Ion:105 Resp: 164653

Ion Ratio Lower Upper

105 100

120 26.5 21.5 32.3

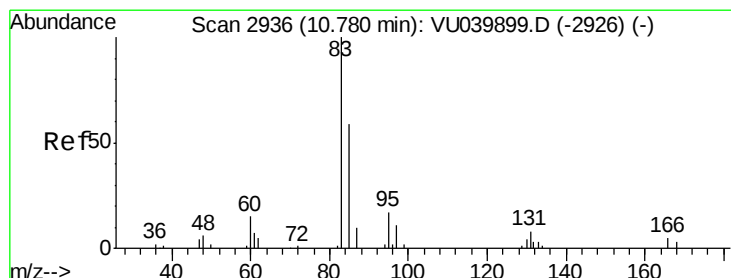
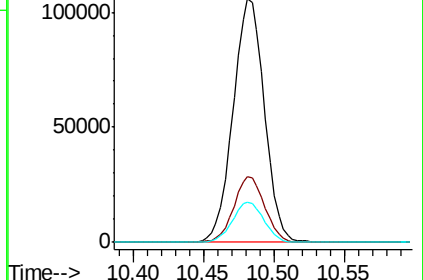
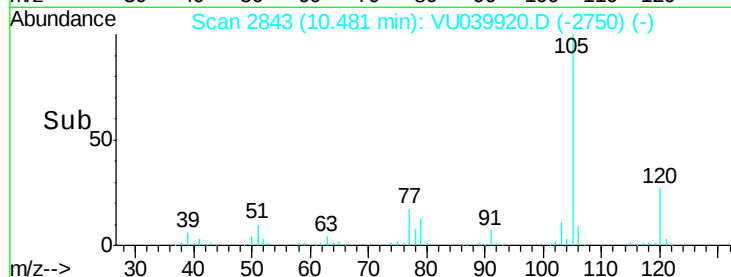
77 16.6 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.541 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

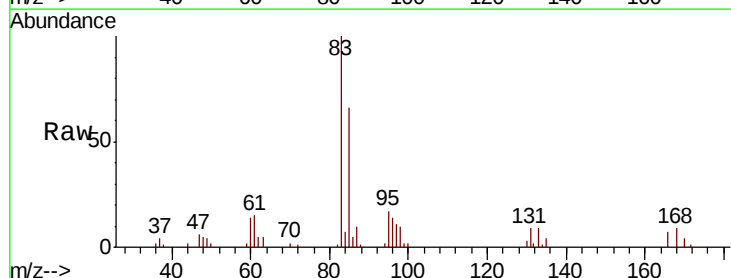
Tgt Ion: 83 Resp: 35849

Ion Ratio Lower Upper

83 100

85 66.5 42.8 79.6

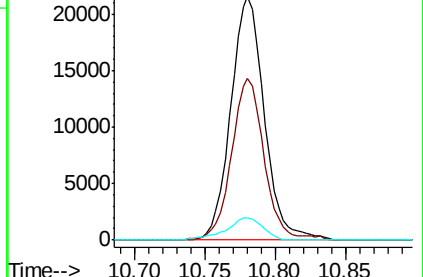
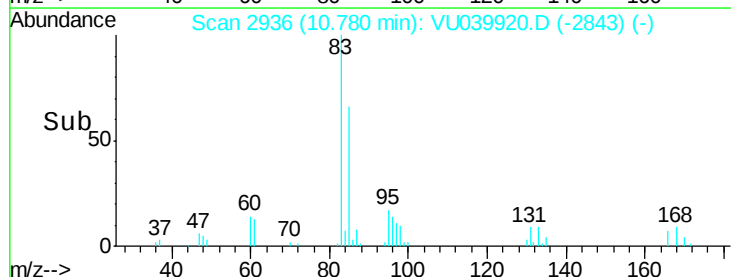
131 8.9 7.4 11.2

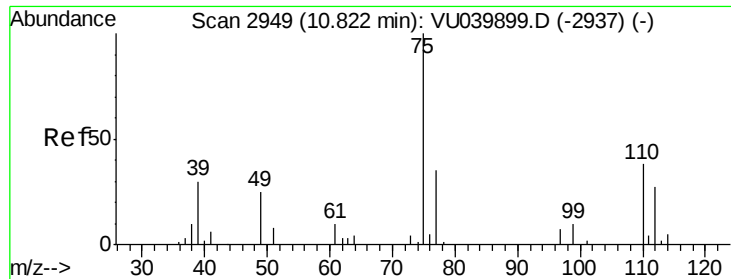


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.692 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

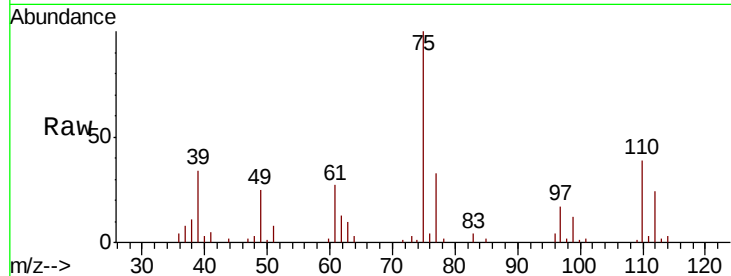
VSTD00528

Tot Ion: 75 Resp: 27046

Ion Ratio Lower Upper

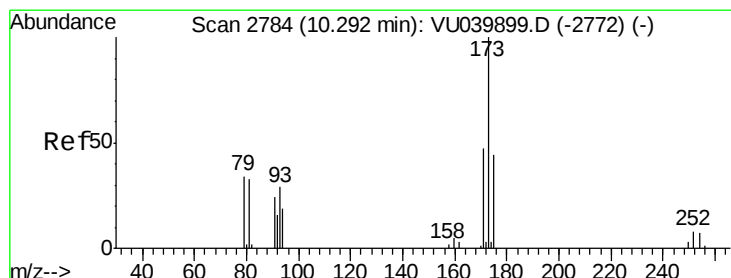
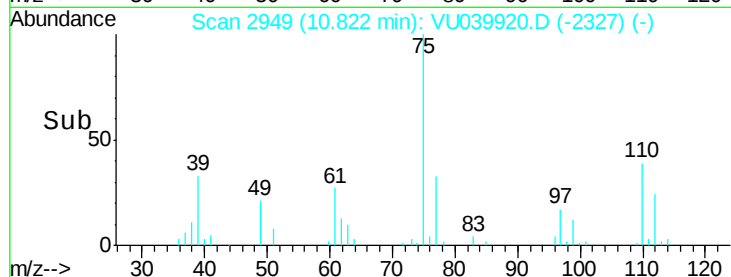
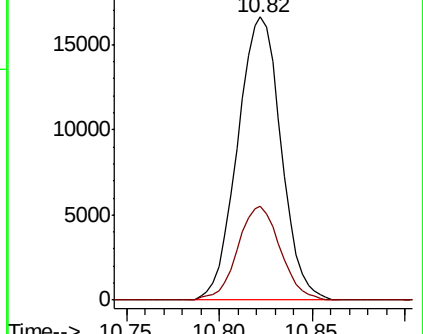
75 100

77 32.5 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU039899.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039899.D (-2937) (-)



#61

Bromoform

Concen: 4.991 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

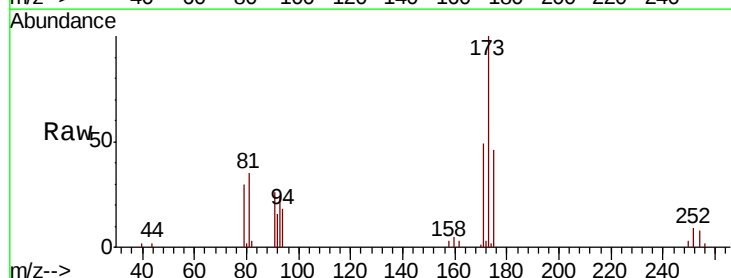
Tgt Ion: 173 Resp: 19200

Ion Ratio Lower Upper

173 100

175 49.2 37.6 56.4

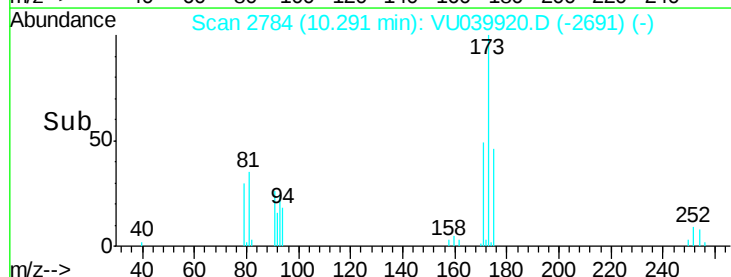
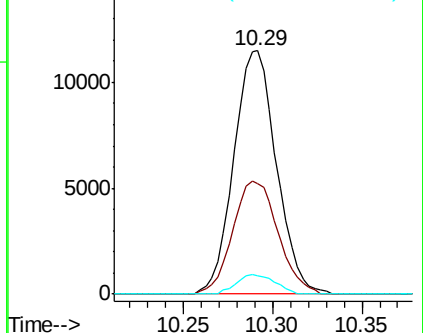
254 7.3 5.8 8.8

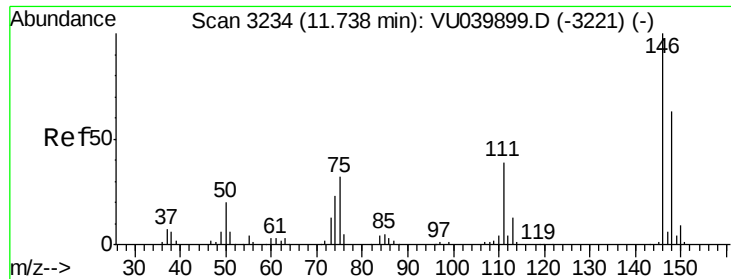


Abundance Ion 172.90 (172.60 to 173.60): VU039899.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU039899.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU039899.D (-2772) (-)





#62

1,3-Dichlorobenzene

Concen: 4.990 ug/L

RT: 11.74 min Scan# 3234

Delta R.T. -0.00 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

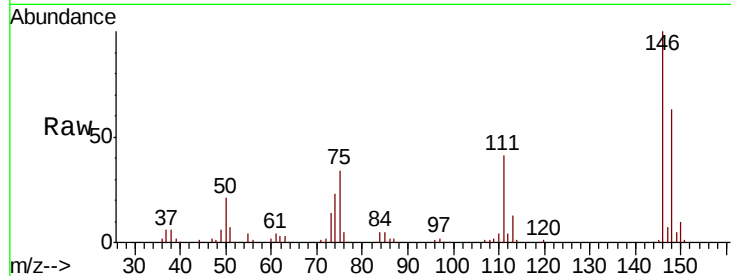
Tot Ion:146 Resp: 80695

Ion Ratio Lower Upper

146 100

111 40.8 27.6 51.4

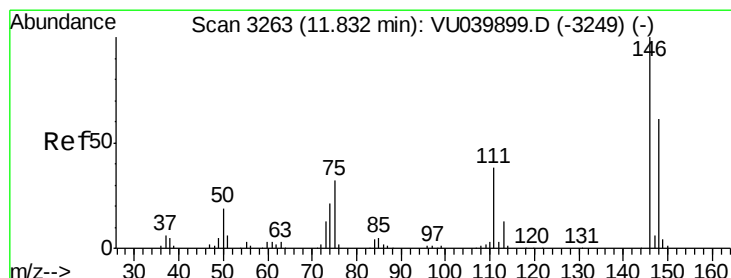
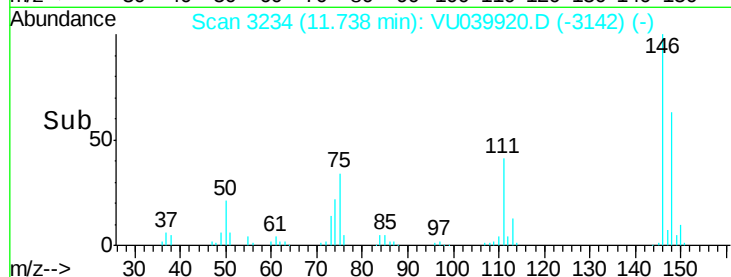
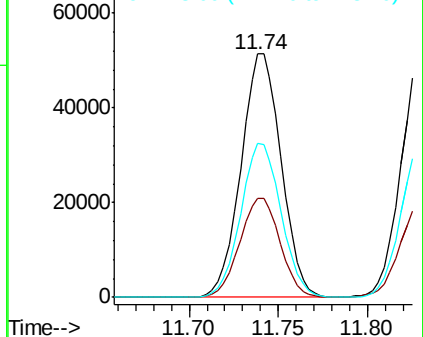
148 63.3 43.8 81.4



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: 5.007 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

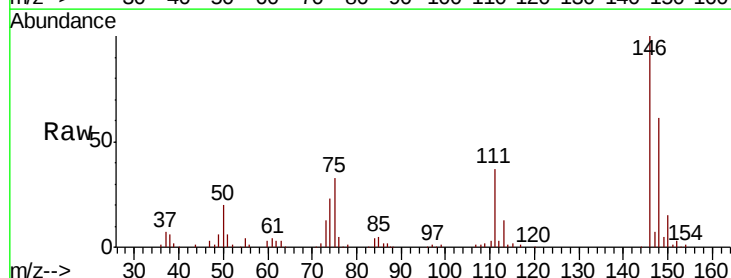
Tgt Ion:146 Resp: 82435

Ion Ratio Lower Upper

146 100

111 36.5 26.5 49.1

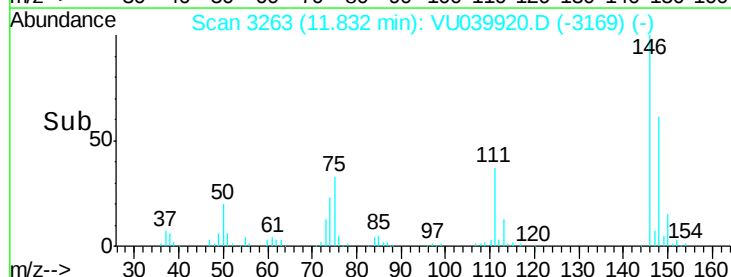
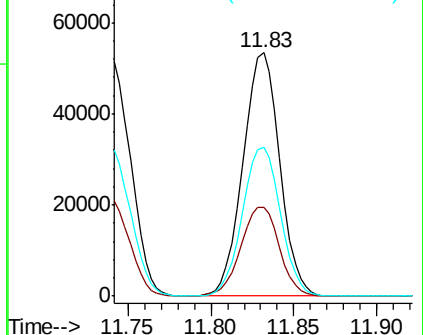
148 61.1 42.8 79.4

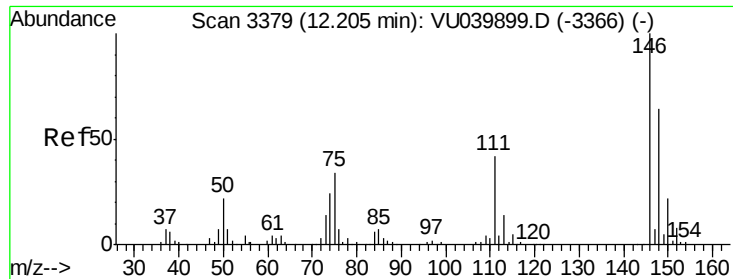


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.889 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

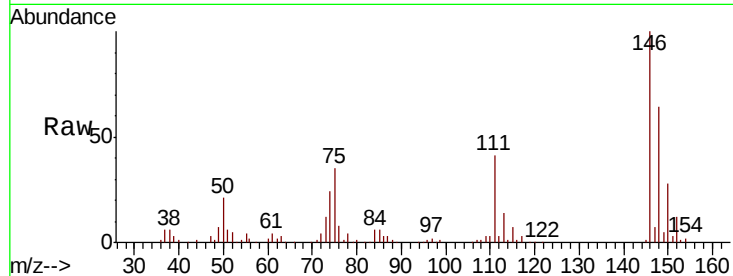
Tot Ion:146 Resp: 76291

Ion Ratio Lower Upper

146 100

111 40.8 33.4 50.0

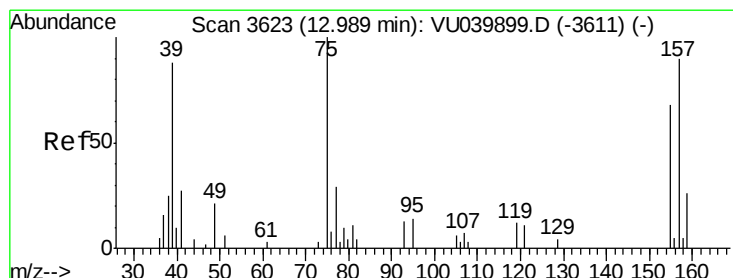
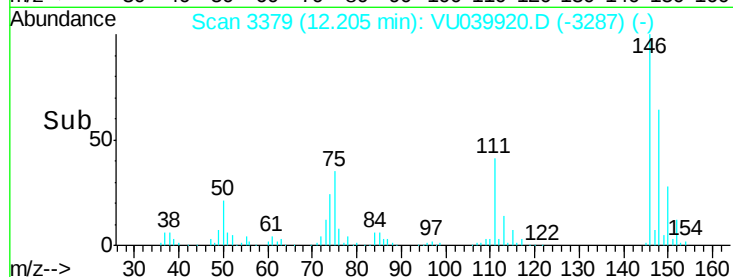
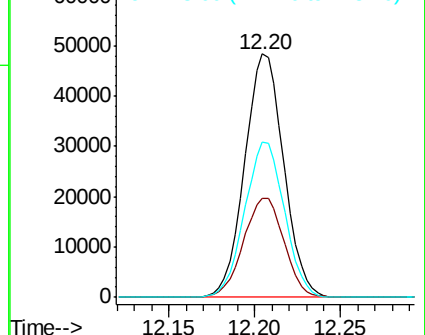
148 64.0 51.4 77.0



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: 4.915 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

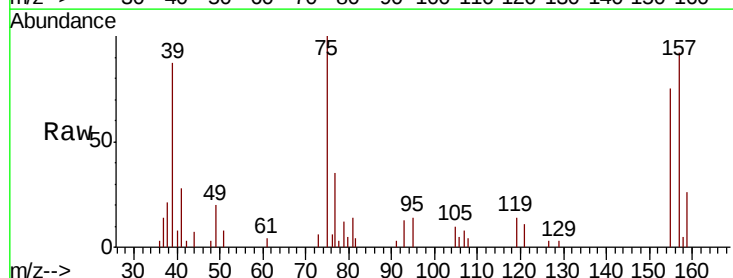
Tgt Ion: 75 Resp: 6272

Ion Ratio Lower Upper

75 100

155 75.4 54.6 82.0

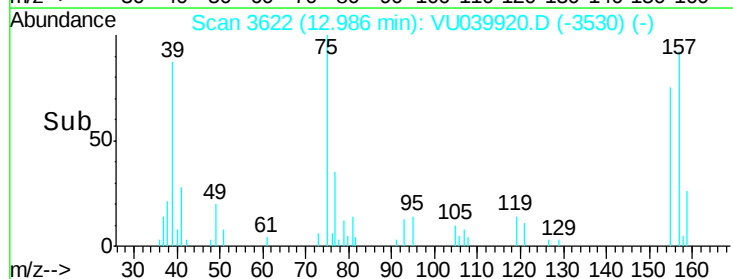
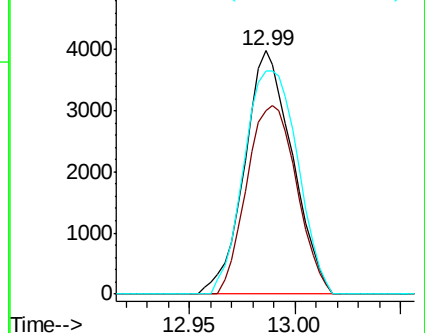
157 91.6 72.2 108.4

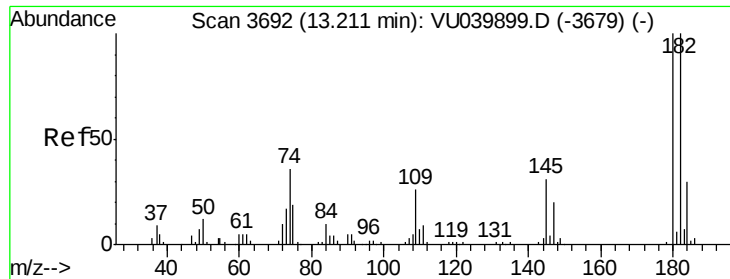


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

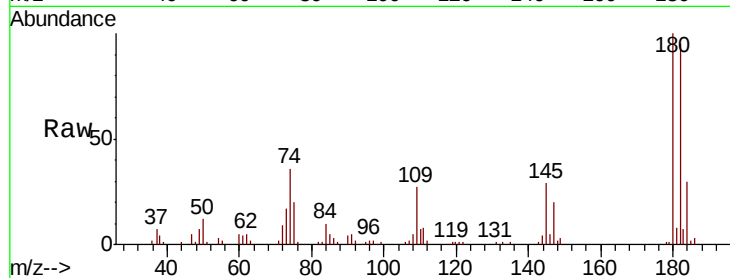




#67
 1,3,5-Trichlorobenzene
 Concen: 5.067 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039920.D
 Acq: 21 Aug 2020 10:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	79.2	118.8
184	30.1	24.6	36.8
145	30.5	25.7	38.5

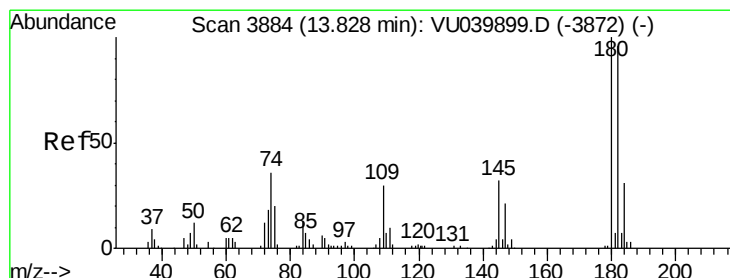
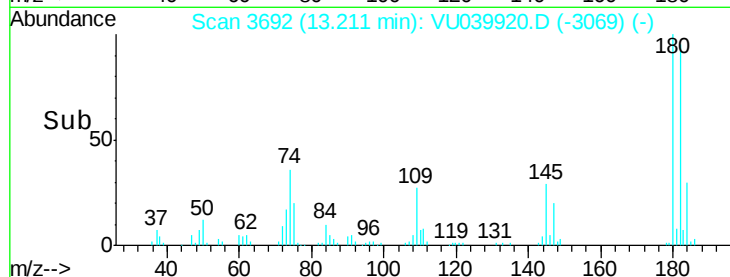
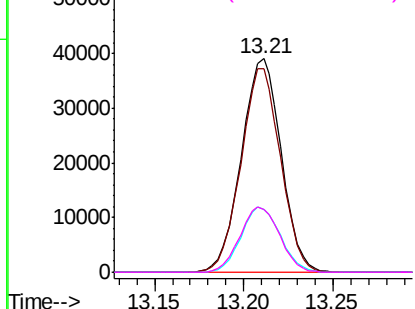


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

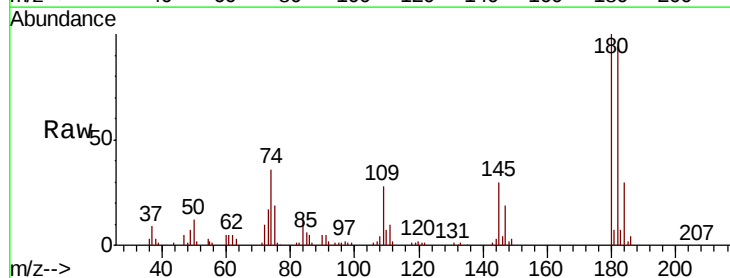
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.093 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU039920.D
 Acq: 21 Aug 2020 10:06

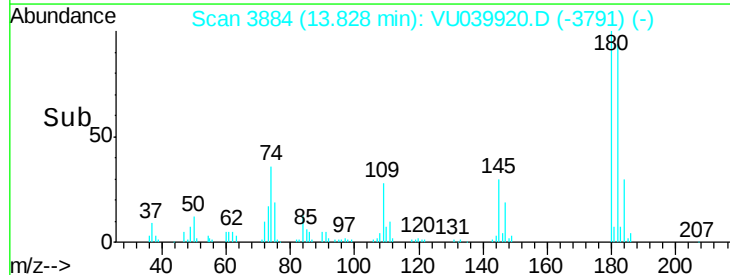
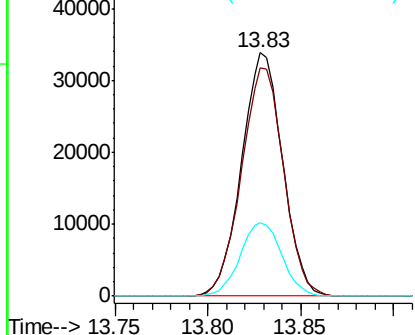
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.2	112.8
145	30.7	24.6	36.8

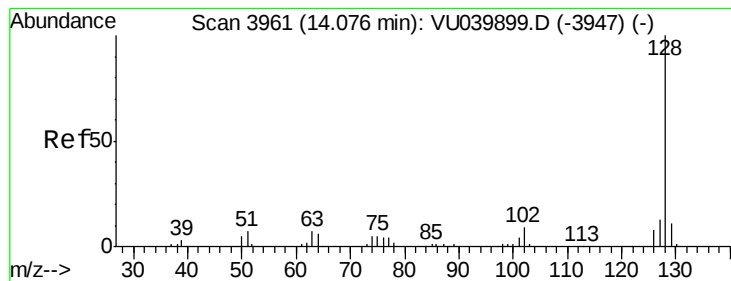


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.033 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

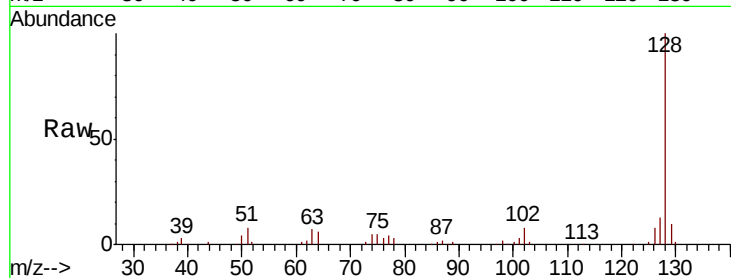
Tot Ion:128 Resp: 95248

Ion Ratio Lower Upper

128 100

129 10.7 8.5 12.7

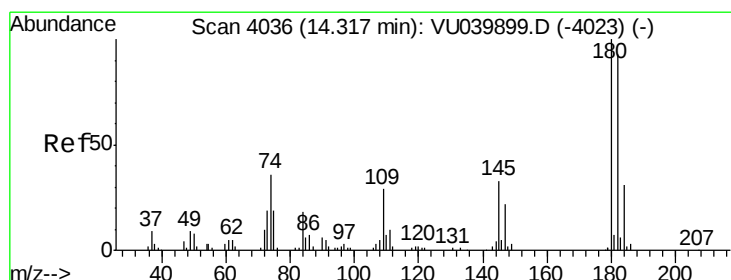
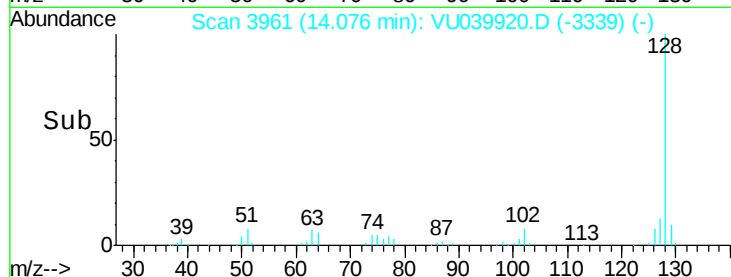
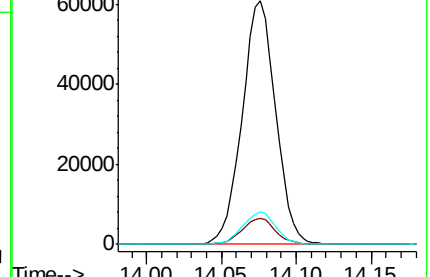
127 13.2 10.2 15.4



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: 4.811 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU039920.D

Acq: 21 Aug 2020 10:06

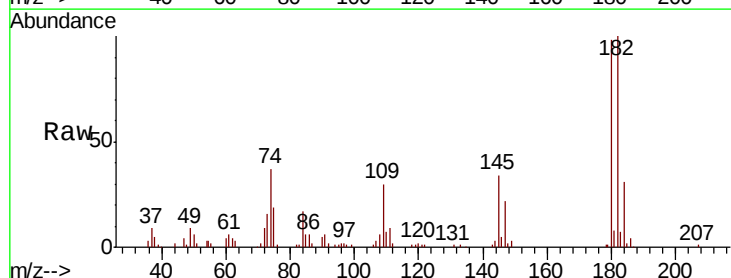
Tgt Ion:180 Resp: 46063

Ion Ratio Lower Upper

180 100

182 98.6 75.0 112.6

145 34.4 26.4 39.6



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

