

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072020\
 Data File : VU039565.D
 Acq On : 20 Jul 2020 10:04
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Quant Time: Jul 21 05:57:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jul 20 11:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	127182	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	120139	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	59187	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	26636	3.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.20%
7) Chloroethane-d5	1.92	69	29621	3.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.60%
11) 1,1-Dichloroethene-d2	2.58	63	62020	4.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.60%
20) 2-Butanone-d5	4.65	46	142060	42.12	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.24%
24) Chloroform-d	5.08	84	69855	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
26) 1,2-Dichloroethane-d4	5.72	65	45125	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
32) Benzene-d6	5.74	84	130500	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
36) 1,2-Dichloropropane-d6	6.70	67	44758	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.00%
41) Toluene-d8	7.91	98	118600	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
43) trans-1,3-Dichloropropene-	8.19	79	19974	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.64	63	107509	40.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.78%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	43716	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	50094	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	37634	4.882	ug/L 100
3) Chloromethane	1.53	50	38510	4.123	ug/L 96
5) Vinyl chloride	1.61	62	42184	4.068	ug/L 99
6) Bromomethane	1.87	94	28441	6.368	ug/L 94
8) Chloroethane	1.94	64	32083	4.282	ug/L 99
9) Trichlorofluoromethane	2.15	101	78903	4.382	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	38483	5.208	ug/L 98
12) 1,1-Dichloroethene	2.59	96	34759	4.595	ug/L 89
13) Acetone	2.66	43	79467	43.651	ug/L 98
14) Carbon disulfide	2.81	76	103812	3.896	ug/L 98
15) Methyl Acetate	2.97	43	20151	4.191	ug/L 100
16) Methylene chloride	3.06	84	42444	4.461	ug/L 99
17) Methyl tert-butyl Ether	3.38	73	106423	4.465	ug/L 98
18) trans-1,2-Dichloroethene	3.37	96	39887	4.763	ug/L 96
19) 1,1-Dichloroethane	3.89	63	74550	4.550	ug/L 98
21) 2-Butanone	4.73	43	136697	42.069	ug/L 100
22) cis-1,2-Dichloroethene	4.68	96	43075	4.588	ug/L 96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072020\
 Data File : VU039565.D
 Acq On : 20 Jul 2020 10:04
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Quant Time: Jul 21 05:57:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jul 20 11:40:06 2020
 Response via : Initial Calibration

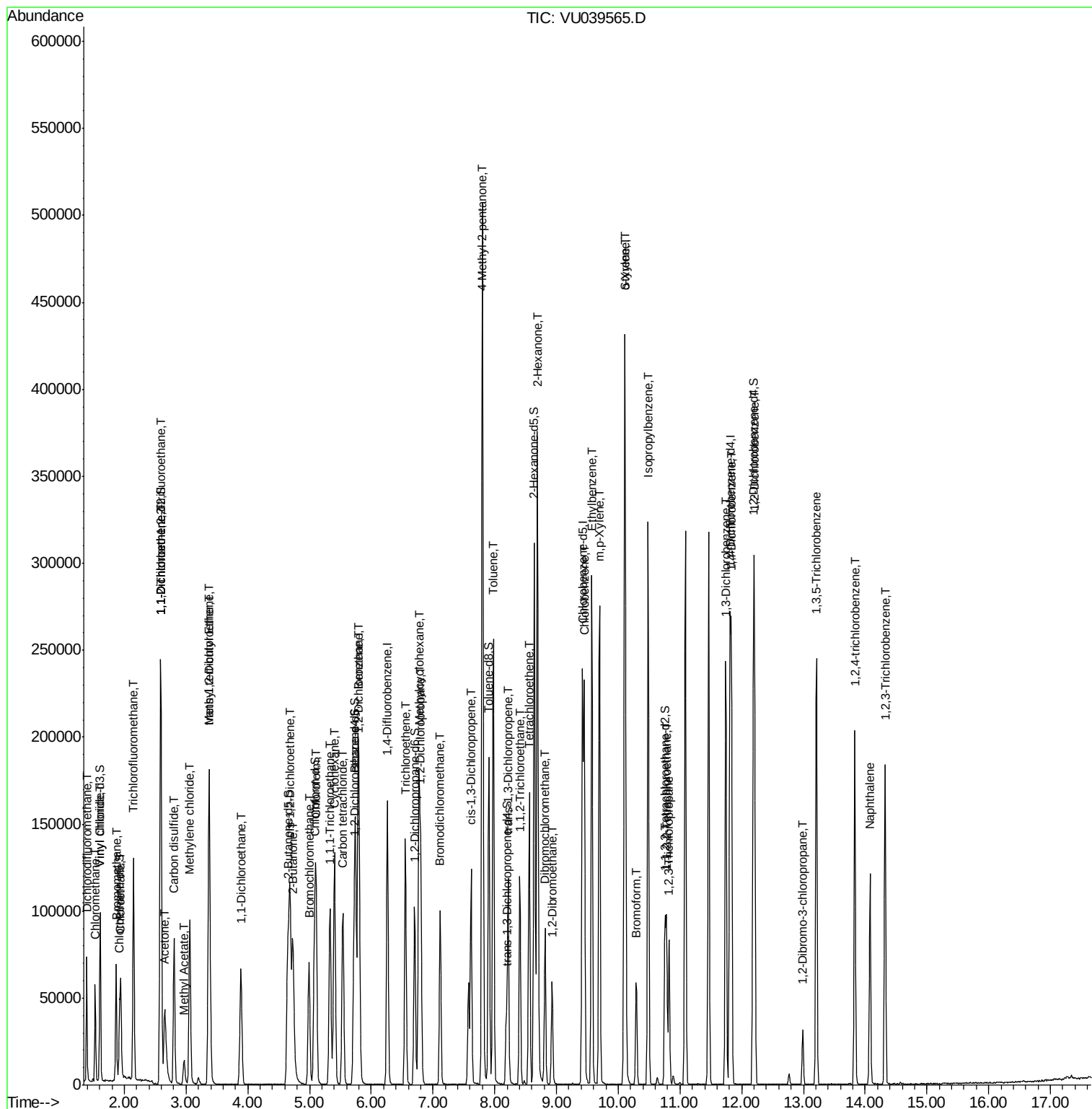
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	20686	4.850	ug/L	91
25) Chloroform	5.11	83	86859	5.250	ug/L	99
27) 1,2-Dichloroethane	5.81	62	57013	4.764	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	74252	5.247	ug/L	96
30) Cyclohexane	5.40	56	65632	4.406	ug/L	100
31) Carbon tetrachloride	5.54	117	64523	5.345	ug/L	99
33) Benzene	5.79	78	163148	4.542	ug/L	100
34) Trichloroethene	6.56	95	45231	4.871	ug/L	96
35) Methylcyclohexane	6.77	83	68649	4.615	ug/L	99
37) 1,2-Dichloropropane	6.80	63	44495	4.544	ug/L	98
38) Bromodichloromethane	7.12	83	61358	4.907	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	66631	4.502	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	338919	41.492	ug/L	98
42) Toluene	7.98	91	176633	4.592	ug/L	97
44) trans-1,3-Dichloropropene	8.22	75	61865	4.711	ug/L	97
45) 1,1,2-Trichloroethane	8.41	97	34735	4.939	ug/L	93
47) Tetrachloroethene	8.56	164	32715	5.065	ug/L	97
48) 2-Hexanone	8.69	43	246529	40.933	ug/L	99
49) Dibromochloromethane	8.82	129	41430	4.863	ug/L	97
50) 1,2-Dibromoethane	8.93	107	32885	4.602	ug/L	97
51) Chlorobenzene	9.45	112	112250	4.776	ug/L	98
52) Ethylbenzene	9.57	91	201887	4.749	ug/L	98
53) m,p-Xylene	9.70	106	75185	4.694	ug/L	95
54) o-Xylene	10.10	106	73543	4.717	ug/L	98
55) Styrene	10.11	104	125504	4.626	ug/L	98
56) Isopropylbenzene	10.48	105	199642	4.734	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	44068	4.502	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	32109	4.449	ug/L	97
61) Bromoform	10.29	173	24207	4.853	ug/L	96
62) 1,3-Dichlorobenzene	11.74	146	91591	4.938	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	90387	4.858	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	88936	4.783	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	7427	4.522	ug/L #	85
67) 1,3,5-Trichlorobenzene	13.21	180	68710	4.951	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	55508	4.674	ug/L	97
69) Naphthalene	14.08	128	91296	3.820	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	50886	4.624	ug/L	98

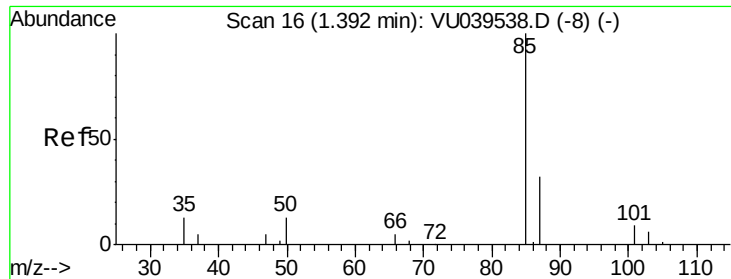
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072020\
Data File : VU039565.D
Acq On : 20 Jul 2020 10:04
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Quant Time: Jul 21 05:57:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jul 20 11:40:06 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.882 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039565.D

Acq: 20 Jul 2020 10:04

Instrument :

MSVOA_U

ClientSampleId :

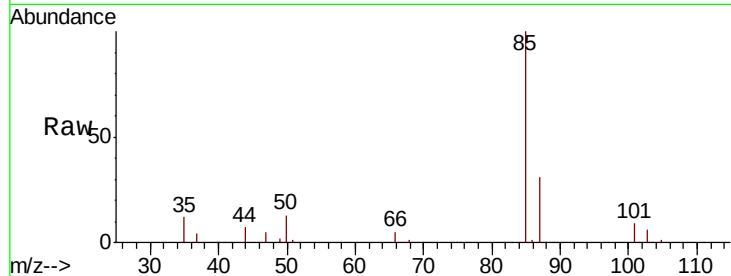
VSTD00527

Tot Ion: 85 Resp: 37634

Ion Ratio Lower Upper

85 100

87 31.7 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039538.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039538.D (-8) (-)

1.39

40000

30000

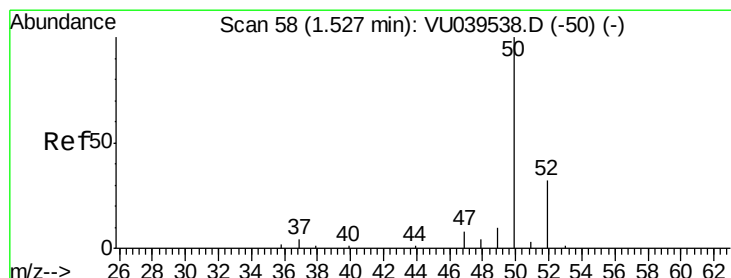
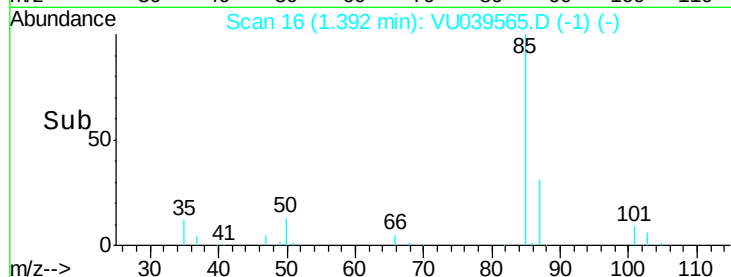
20000

10000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 4.123 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039565.D

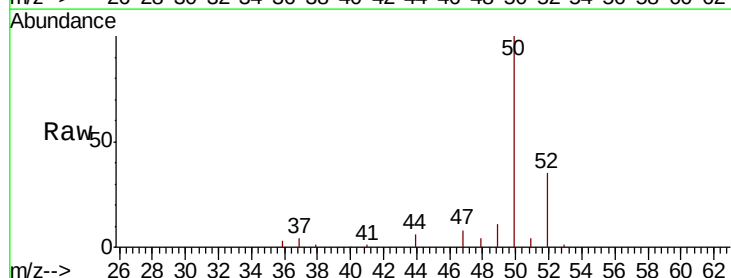
Acq: 20 Jul 2020 10:04

Tgt Ion: 50 Resp: 38510

Ion Ratio Lower Upper

50 100

52 34.9 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU039538.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039538.D (-50) (-)

1.53

30000

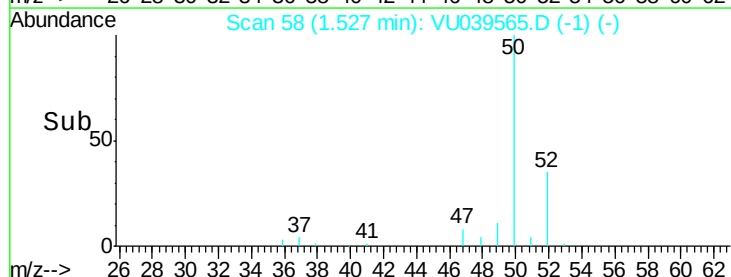
20000

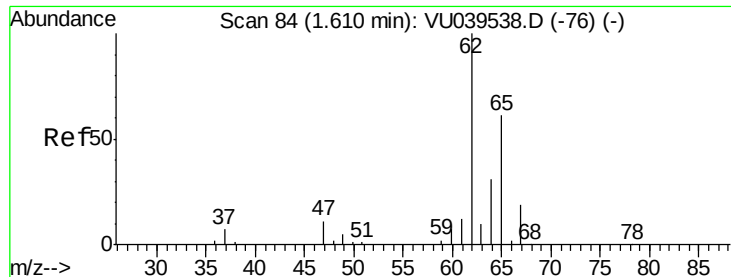
10000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 4.068 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039565.D

Acq: 20 Jul 2020 10:04

Instrument :

MSVOA_U

ClientSampleId :

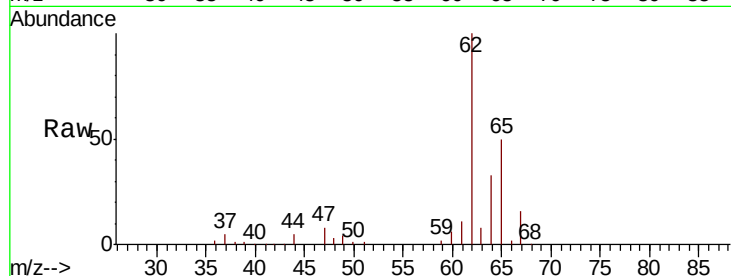
VSTD00527

Tot Ion: 62 Resp: 42184

Ion Ratio Lower Upper

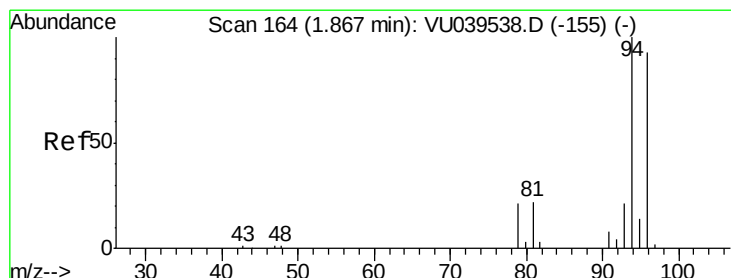
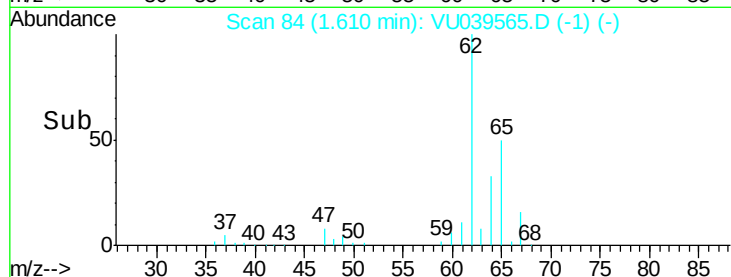
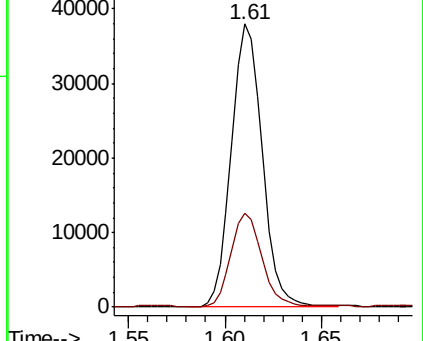
62 100

64 33.3 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 6.368 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039565.D

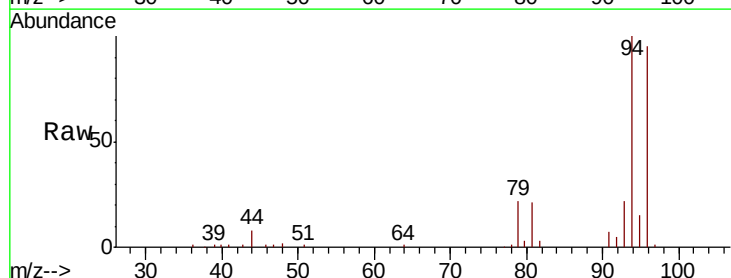
Acq: 20 Jul 2020 10:04

Tgt Ion: 94 Resp: 28441

Ion Ratio Lower Upper

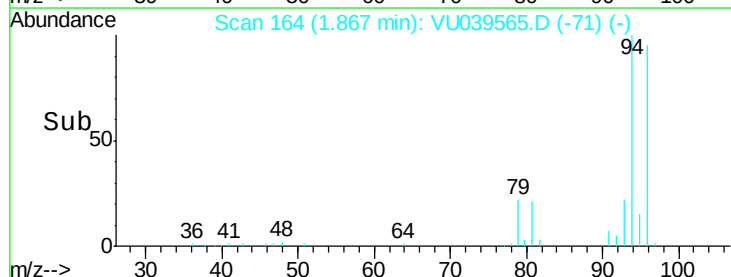
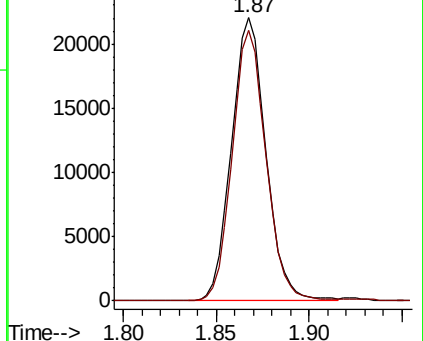
94 100

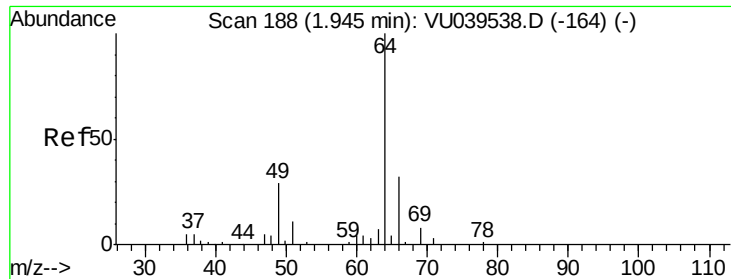
96 95.4 62.7 116.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.282 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU039565.D

Acq: 20 Jul 2020 10:04

Instrument :

MSVOA_U

ClientSampleId :

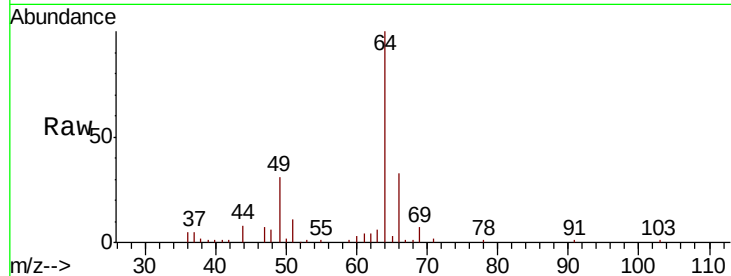
VSTD00527

Tot Ion: 64 Resp: 32083

Ion Ratio Lower Upper

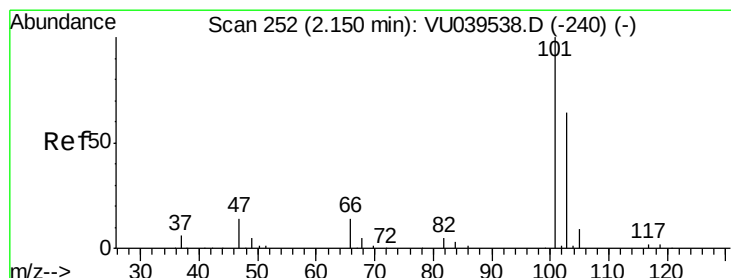
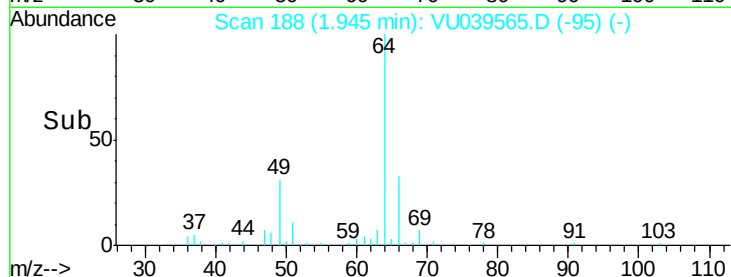
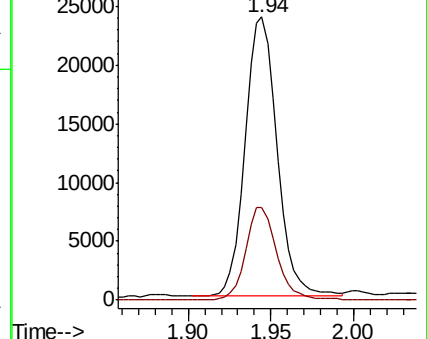
64 100

66 32.8 23.5 43.7



Abundance Ion 64.10 (63.80 to 64.80): VU039538.D (-164) (-)

Ion 66.05 (65.75 to 66.75): VU039538.D (-164) (-)



#9

Trichlorofluoromethane

Concen: 4.382 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU039565.D

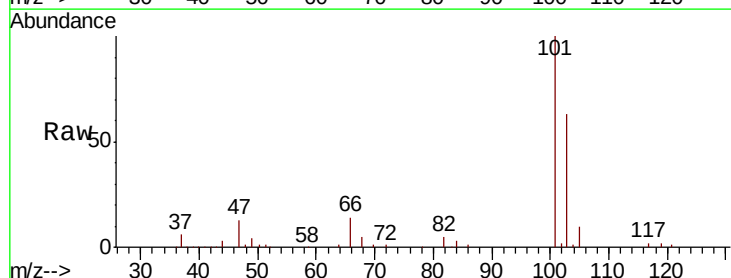
Acq: 20 Jul 2020 10:04

Tgt Ion:101 Resp: 78903

Ion Ratio Lower Upper

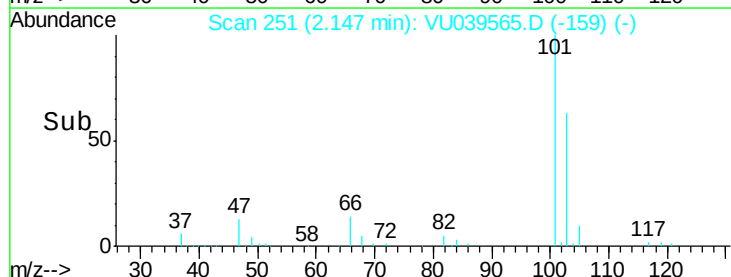
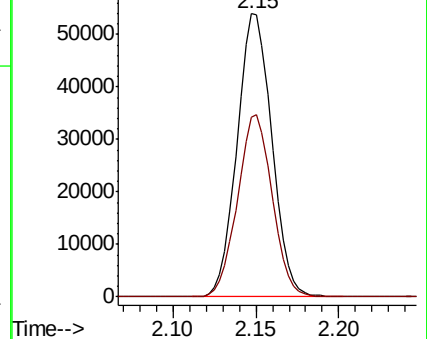
101 100

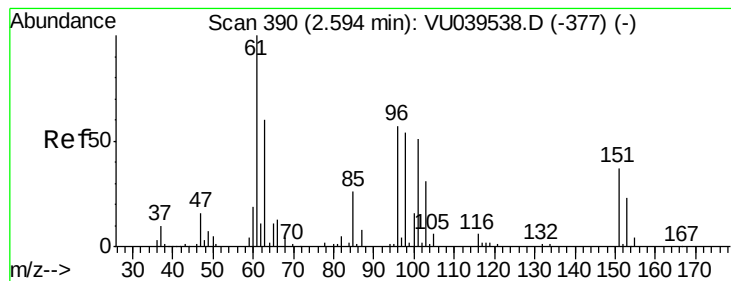
103 64.1 50.6 76.0



Abundance Ion 101.00 (100.70 to 101.70): VU039538.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU039538.D (-240) (-)





#10

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

Concen: 5.208 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039565.D

Acq: 20 Jul 2020 10:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

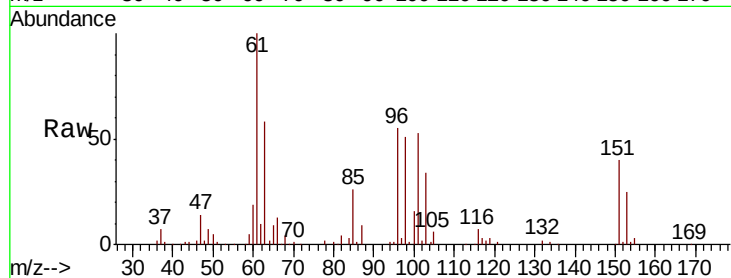
Tot Ion:101 Resp: 38483

Ion Ratio Lower Upper

101 100

85 47.7 38.9 58.3

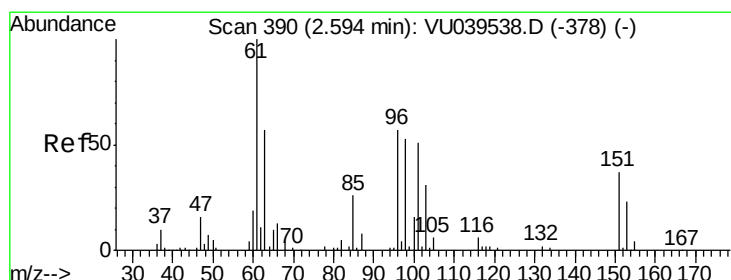
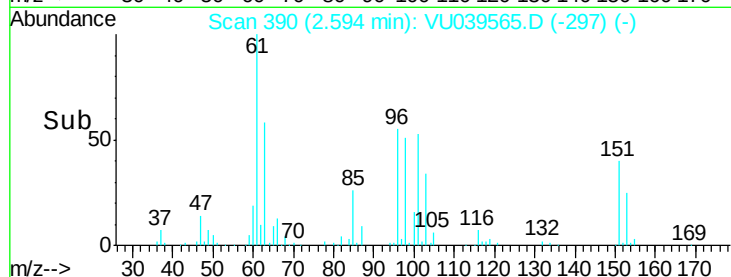
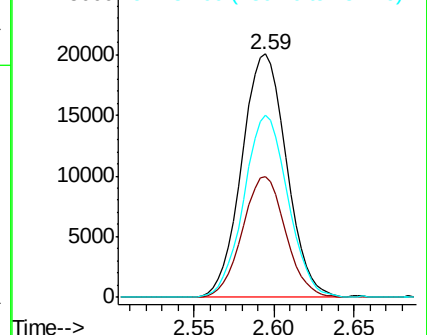
151 73.5 57.0 85.4



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: 4.595 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039565.D

Acq: 20 Jul 2020 10:04

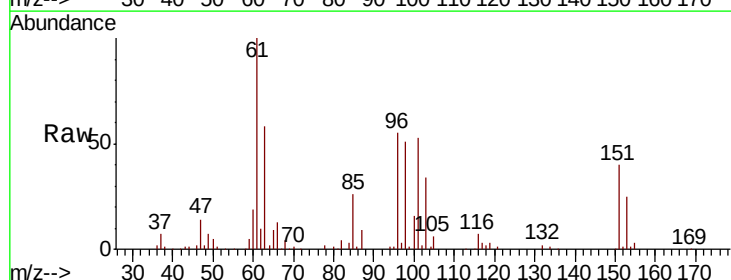
Tgt Ion: 96 Resp: 34759

Ion Ratio Lower Upper

96 100

61 182.9 125.4 232.8

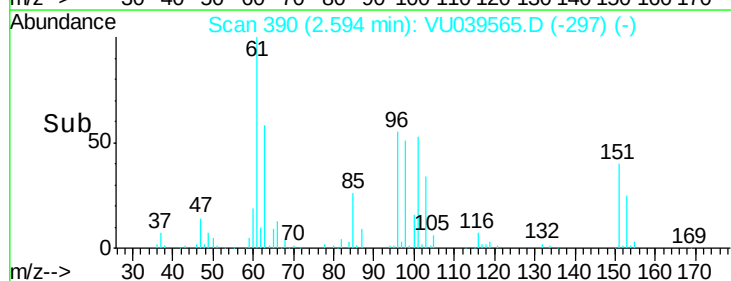
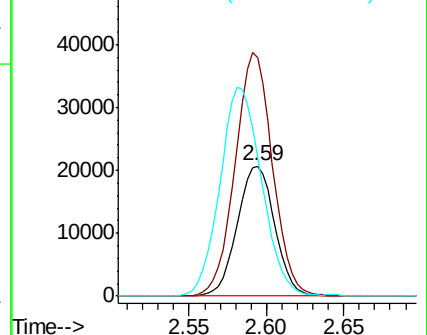
63 106.6 92.7 172.3

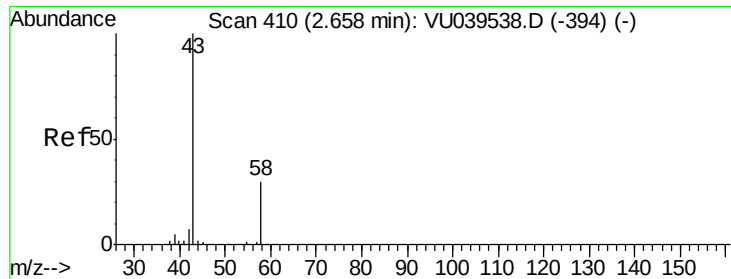


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 43.651 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU039565.D

Acq: 20 Jul 2020 10:04

Instrument :

MSVOA_U

ClientSampleId :

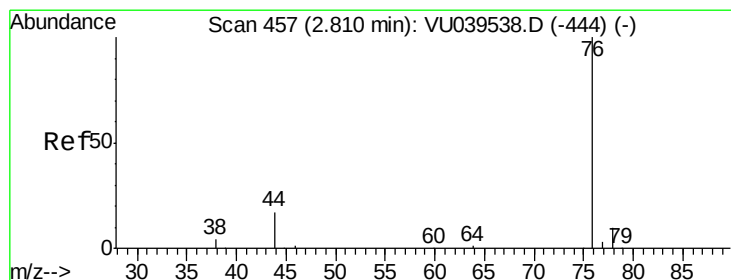
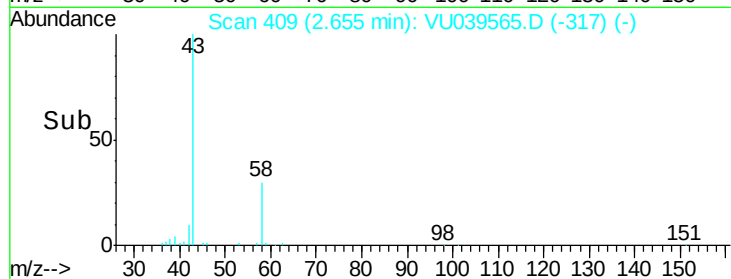
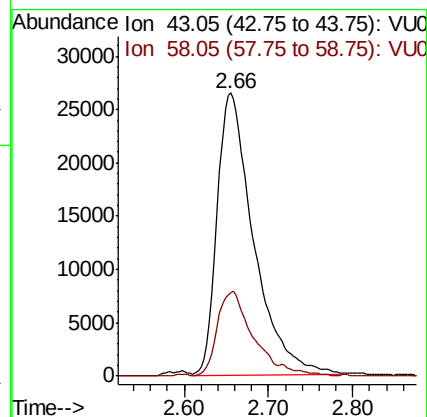
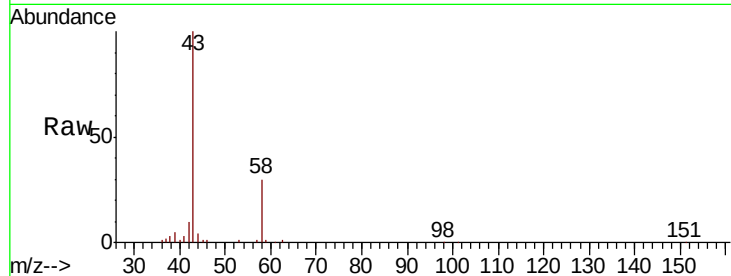
VSTD00527

Tot Ion: 43 Resp: 79467

Ion Ratio Lower Upper

43 100

58 30.1 0.0 62.8



#14

Carbon disulfide

Concen: 3.896 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039565.D

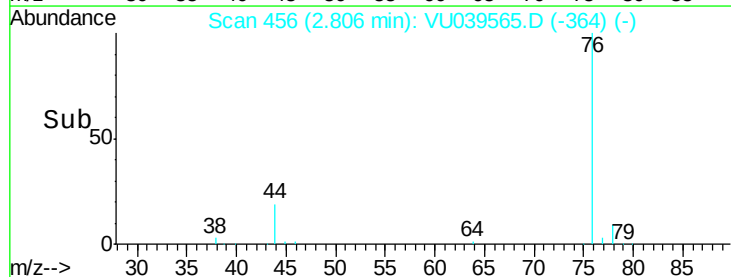
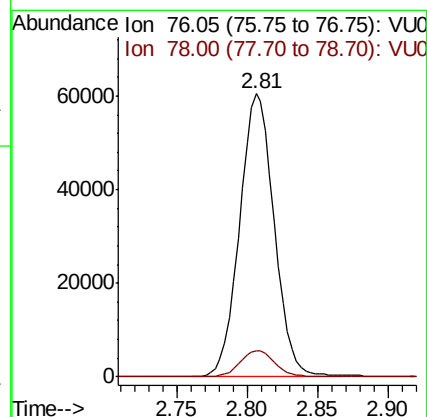
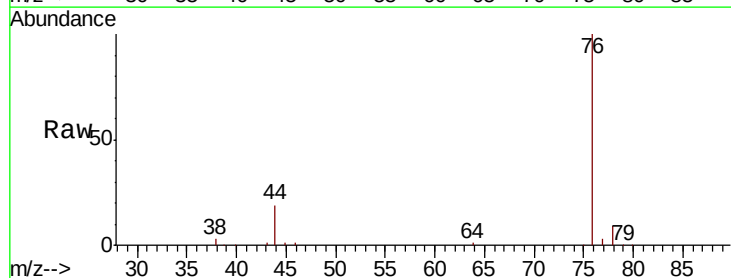
Acq: 20 Jul 2020 10:04

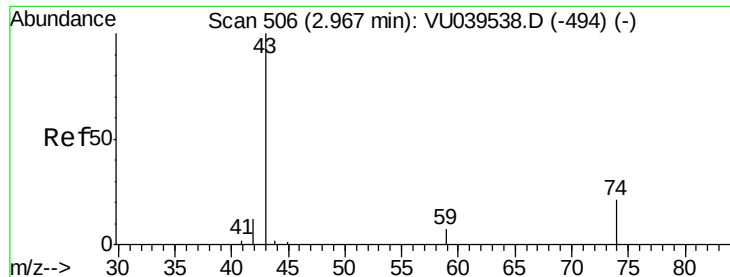
Tgt Ion: 76 Resp: 103812

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4





#15

Methvl Acetate

Concen: 4.191 ug/L

RT: 2.97 min Scan# 506

Delta R.T. 0.00 min

Lab File: VU039565.D

Acq: 20 Jul 2020 10:04

Instrument :

MSVOA_U

ClientSampleId :

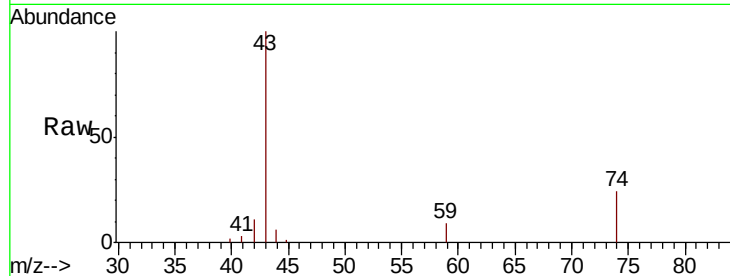
VSTD00527

Tot Ion: 43 Resp: 20151

Ion Ratio Lower Upper

43 100

74 23.2 18.7 28.1



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.97

10000

8000

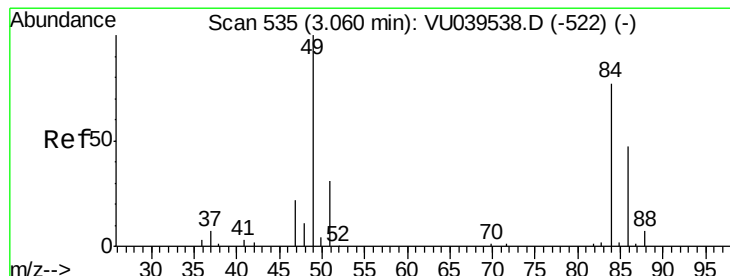
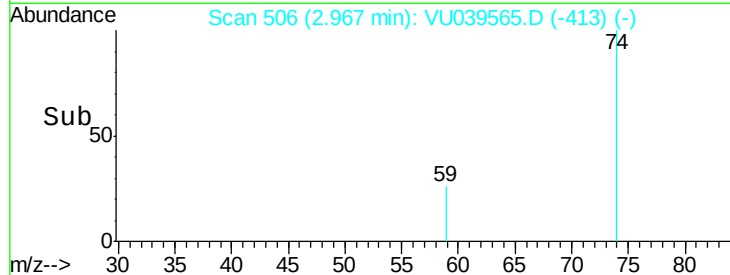
6000

4000

2000

0

Time-->



#16

Methylene chloride

Concen: 4.461 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU039565.D

Acq: 20 Jul 2020 10:04

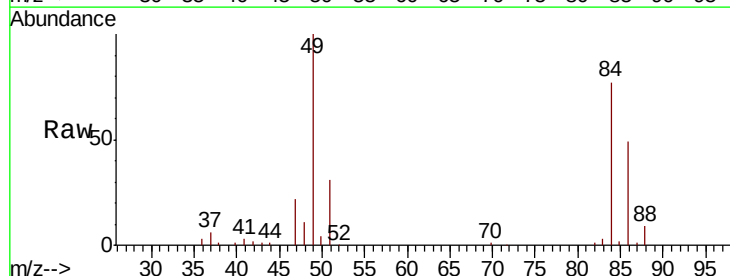
Tgt Ion: 84 Resp: 42444

Ion Ratio Lower Upper

84 100

86 63.3 43.5 80.9

49 130.3 91.1 169.1



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

40000

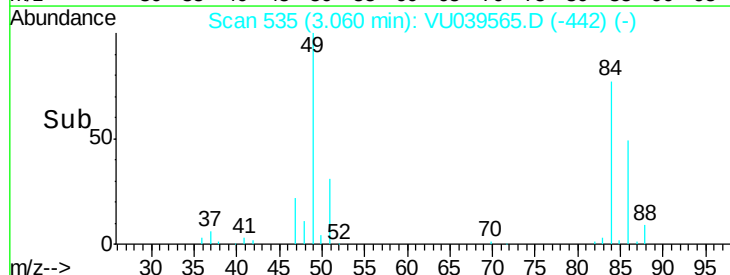
30000

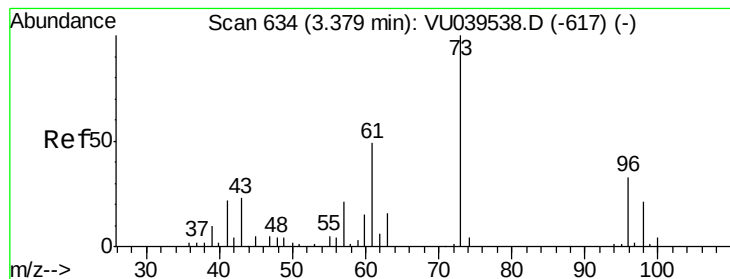
20000

10000

0

Time-->





#17

Methyl tert-butyl Ether

Concen: 4.465 ug/L

RT: 3.38 min Scan# 634

Delta R.T. 0.00 min

Lab File: VU039565.D

Acq: 20 Jul 2020 10:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

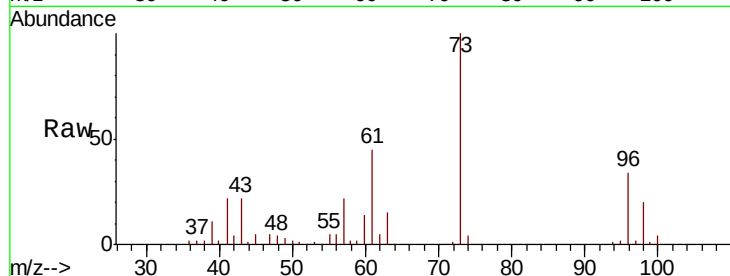
Tot Ion: 73 Resp: 106423

Ion Ratio Lower Upper

73 100

43 22.5 18.6 28.0

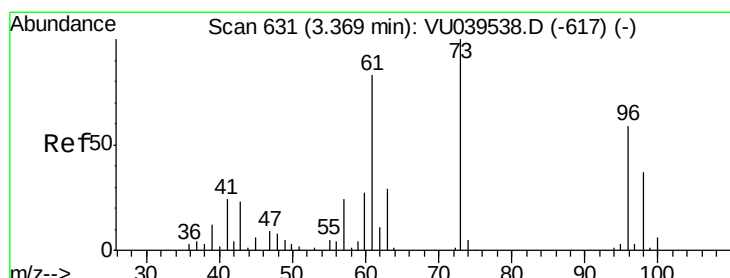
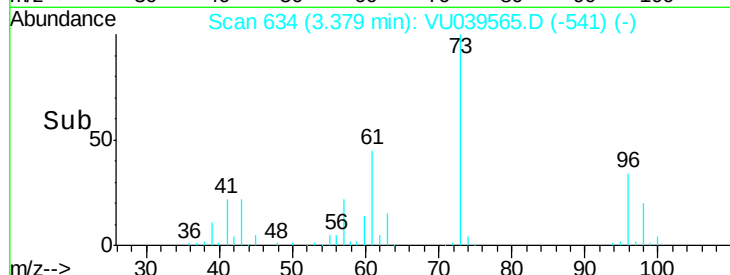
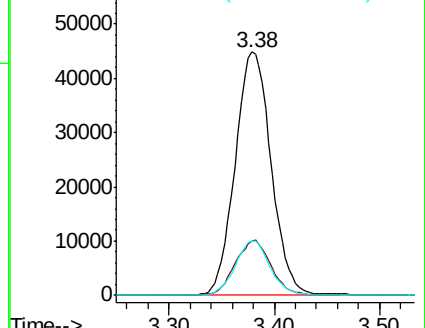
57 21.5 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU039538.D (-617) (-)

Ion 43.05 (42.75 to 43.75): VU039538.D (-617) (-)

Ion 57.10 (56.80 to 57.80): VU039538.D (-617) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.763 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU039565.D

Acq: 20 Jul 2020 10:04

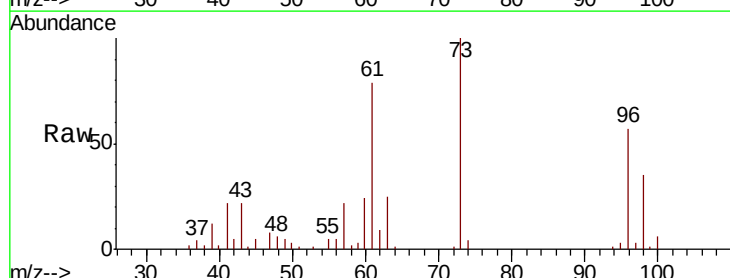
Tgt Ion: 96 Resp: 39887

Ion Ratio Lower Upper

96 100

61 139.2 102.1 189.5

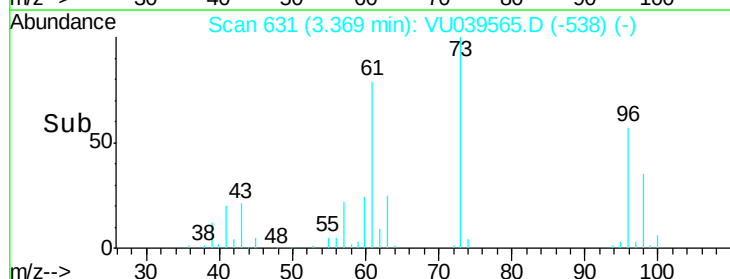
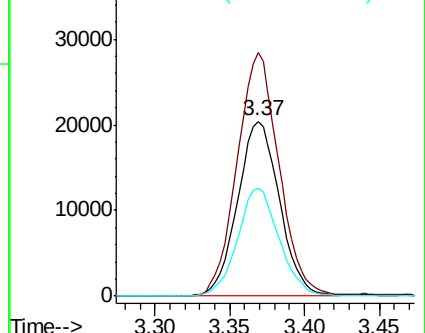
98 61.9 42.5 78.9

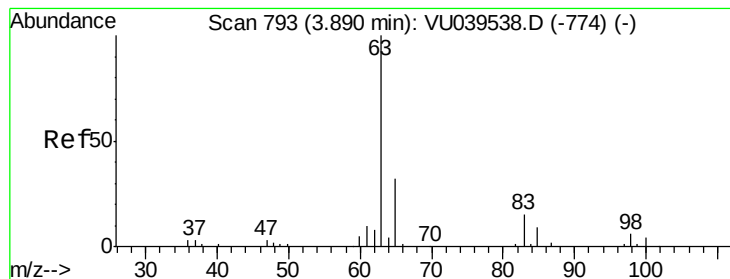


Abundance Ion 96.00 (95.70 to 96.70): VU039538.D (-617) (-)

Ion 61.05 (60.75 to 61.75): VU039538.D (-617) (-)

Ion 97.95 (97.65 to 98.65): VU039538.D (-617) (-)





#19

1,1-Dichloroethane

Concen: 4.550 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU039565.D

Acq: 20 Jul 2020 10:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

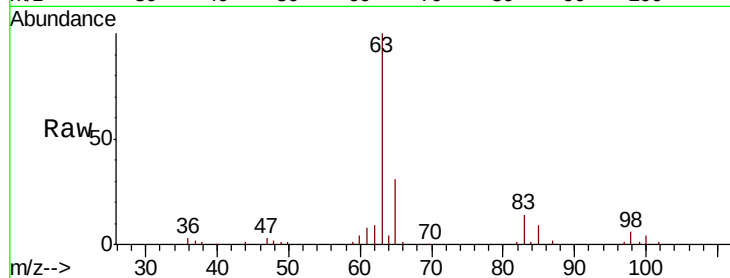
Tot Ion: 63 Resp: 74550

Ion Ratio Lower Upper

63 100

65 31.3 23.0 42.6

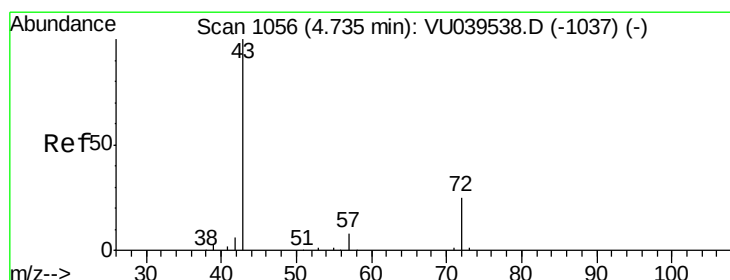
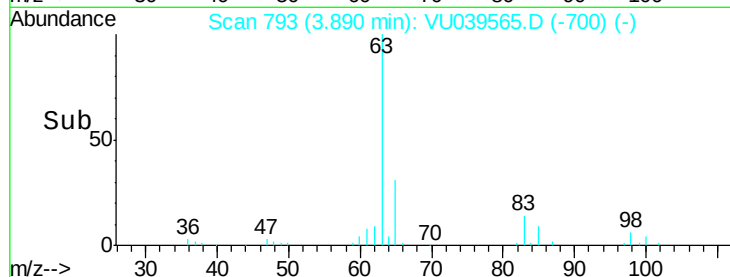
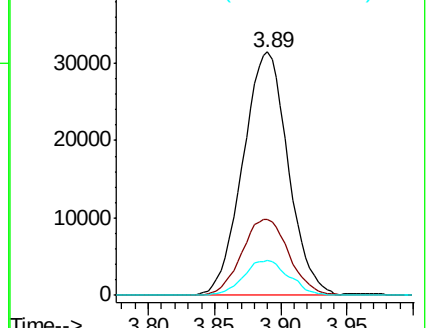
83 14.2 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU039538.D (-774) (-)

Ion 65.10 (64.80 to 65.80): VU039538.D (-774) (-)

Ion 83.05 (82.75 to 83.75): VU039538.D (-774) (-)



#21

2-Butanone

Concen: 42.069 ug/L

RT: 4.73 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VU039565.D

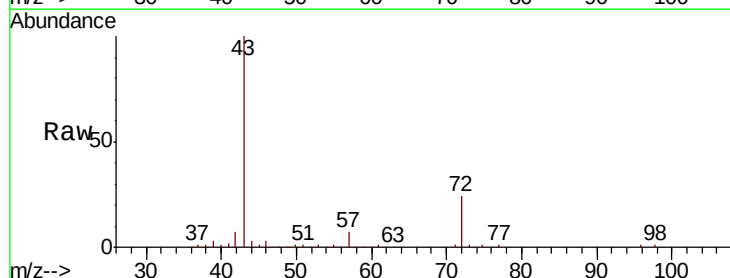
Acq: 20 Jul 2020 10:04

Tgt Ion: 43 Resp: 136697

Ion Ratio Lower Upper

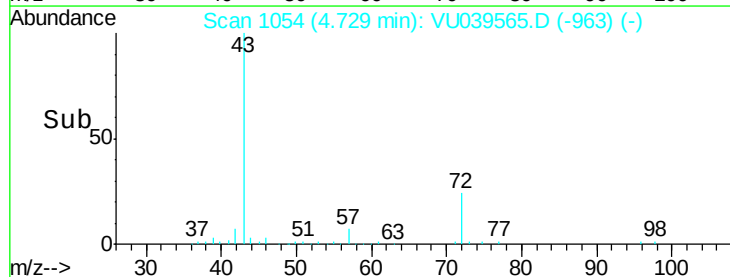
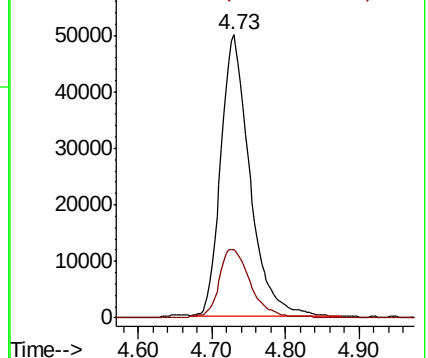
43 100

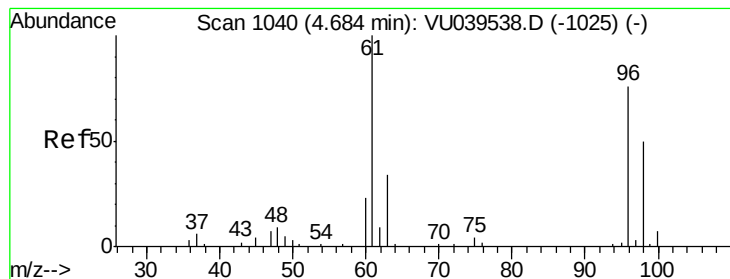
72 26.3 13.2 39.5



Abundance Ion 43.05 (42.75 to 43.75): VU039538.D (-1037) (-)

Ion 72.10 (71.80 to 72.80): VU039538.D (-1037) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.588 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU039565.D

Acq: 20 Jul 2020 10:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

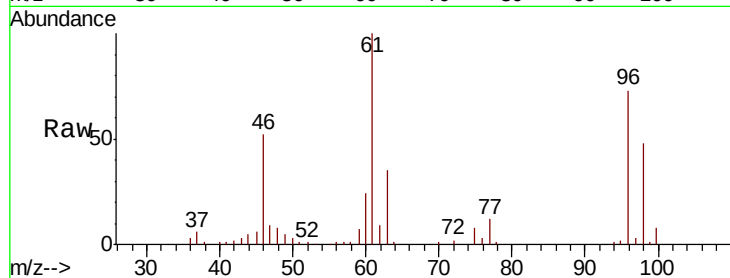
Tot Ion: 96 Resp: 43075

Ion Ratio Lower Upper

96 100

61 137.1 92.8 172.4

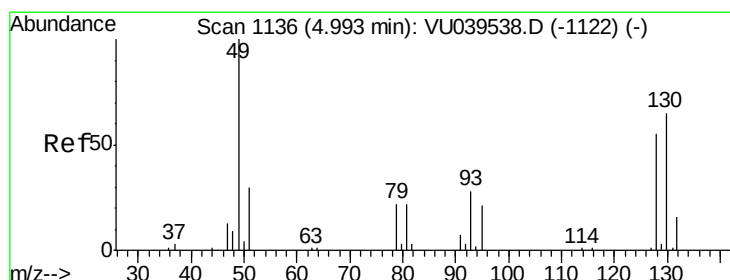
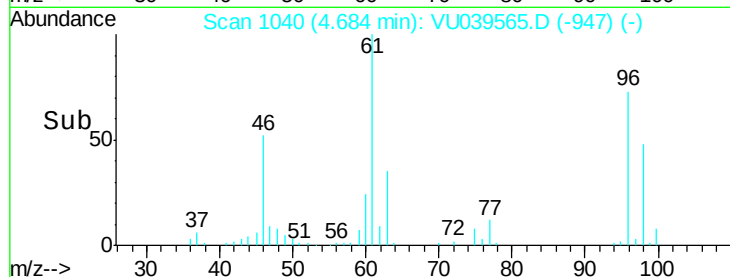
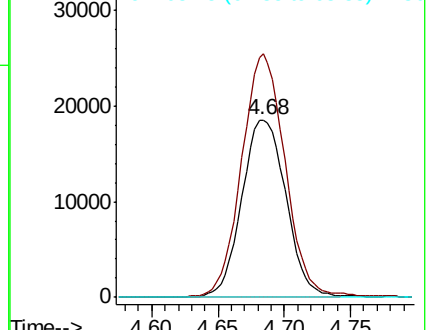
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 4.850 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU039565.D

Acq: 20 Jul 2020 10:04

Tgt Ion: 128 Resp: 20686

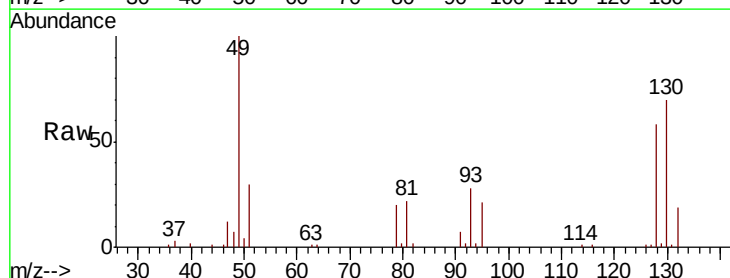
Ion Ratio Lower Upper

128 100

49 172.1 128.5 238.7

130 119.9 91.5 169.9

51 51.7 47.0 70.6

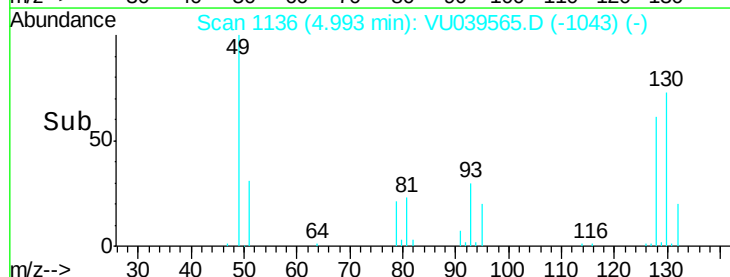
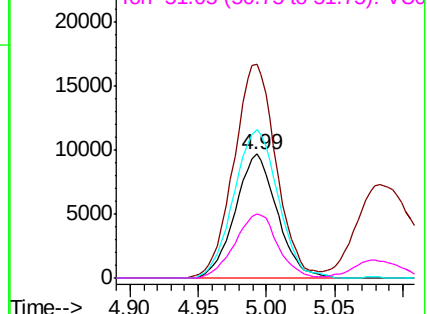


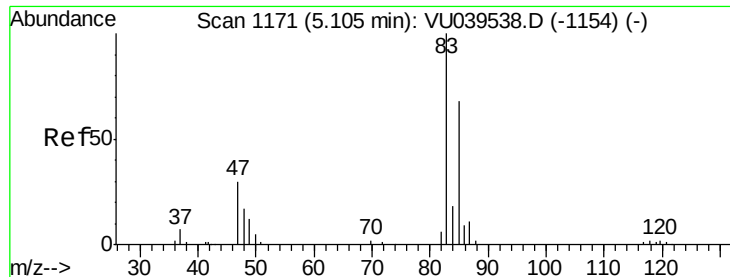
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

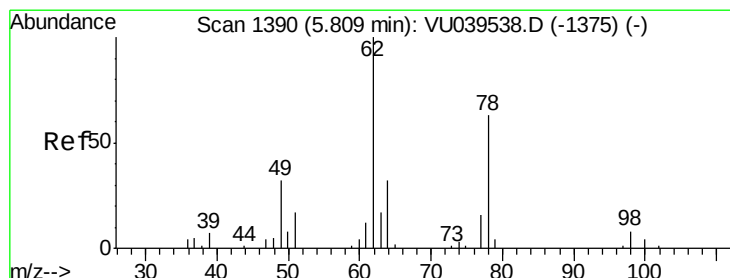
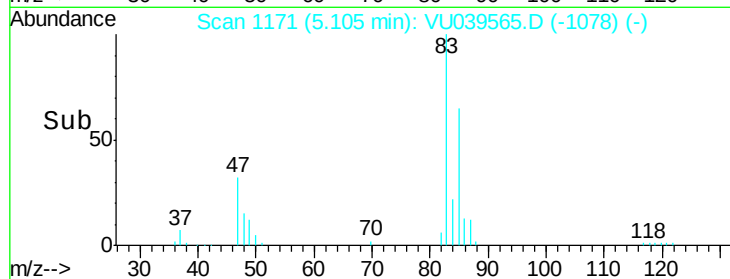
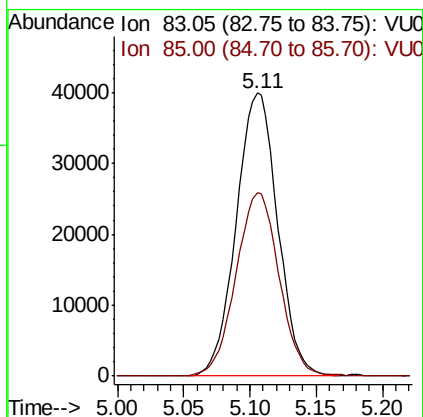
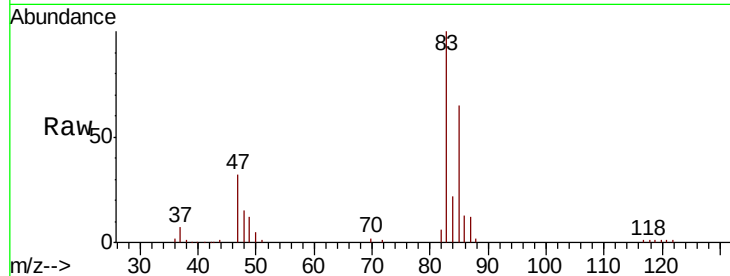




#25
Chloroform
Concen: 5.250 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU039565.D
Acq: 20 Jul 2020 10:04

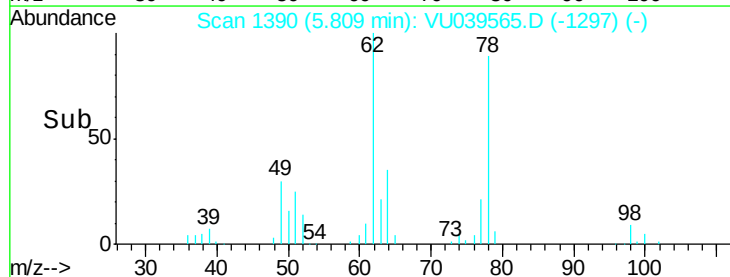
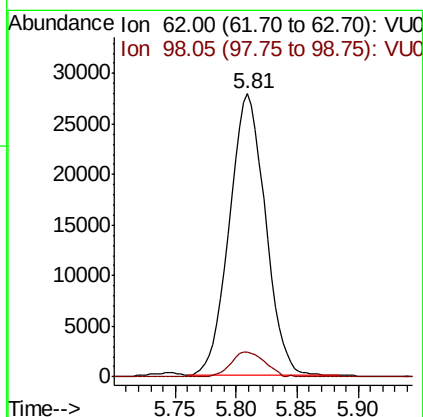
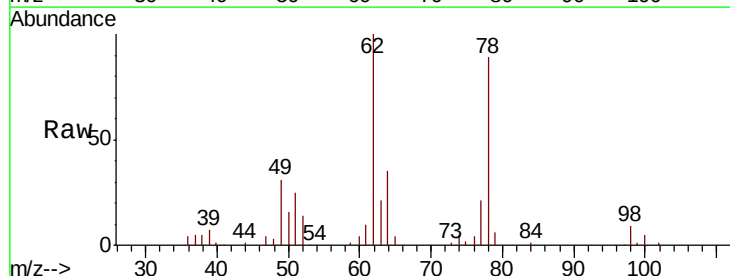
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

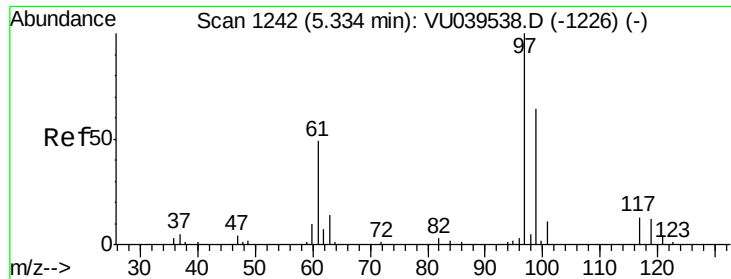
Tot Ion: 83 Resp: 86859
Ion Ratio Lower Upper
83 100
85 64.7 44.9 83.5



#27
1,2-Dichloroethane
Concen: 4.764 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU039565.D
Acq: 20 Jul 2020 10:04

Tgt Ion: 62 Resp: 57013
Ion Ratio Lower Upper
62 100
98 8.6 6.3 9.5

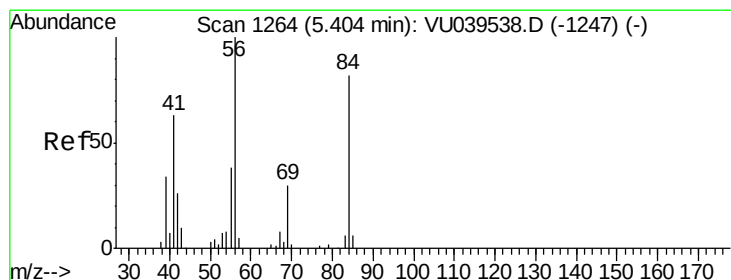
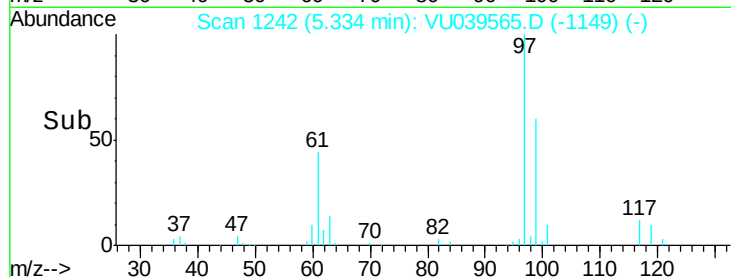
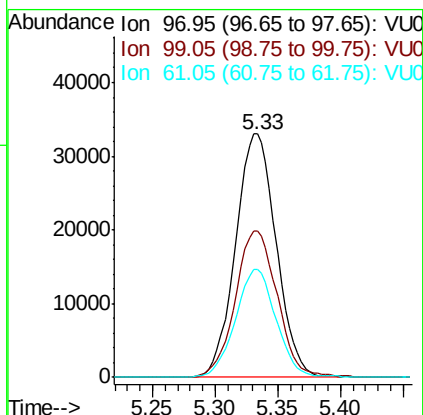
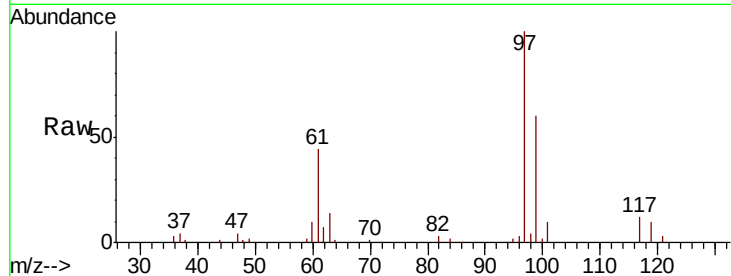




#29
 1,1,1-Trichloroethane
 Concen: 5.247 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU039565.D
 Acq: 20 Jul 2020 10:04

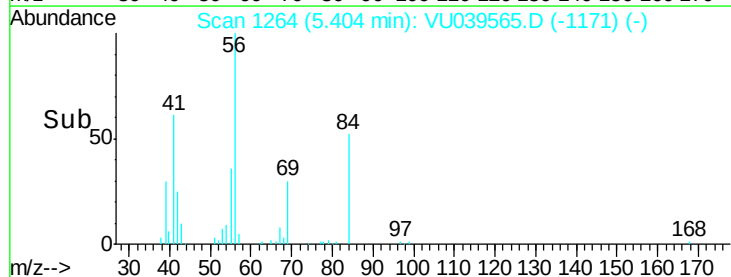
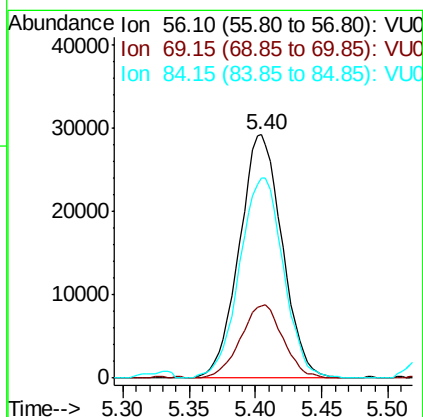
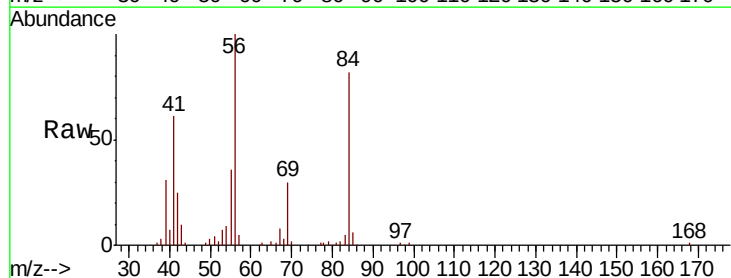
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

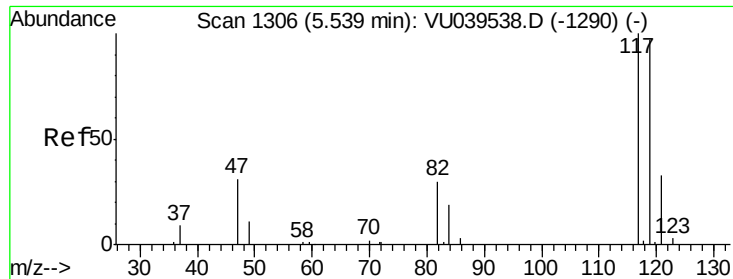
Tot Ion: 97 Resp: 74252
 Ion Ratio Lower Upper
 97 100
 99 62.3 52.6 79.0
 61 44.6 37.9 56.9



#30
 Cyclohexane
 Concen: 4.406 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU039565.D
 Acq: 20 Jul 2020 10:04

Tgt Ion: 56 Resp: 65632
 Ion Ratio Lower Upper
 56 100
 69 29.7 24.1 36.1
 84 83.9 67.0 100.6

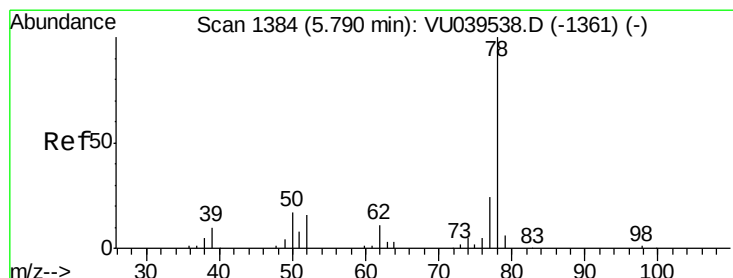
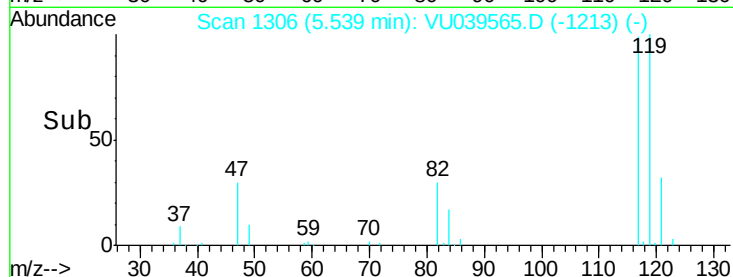
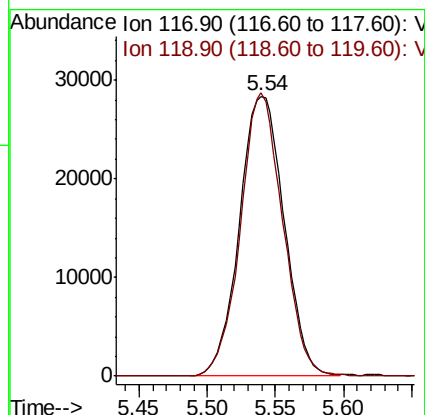
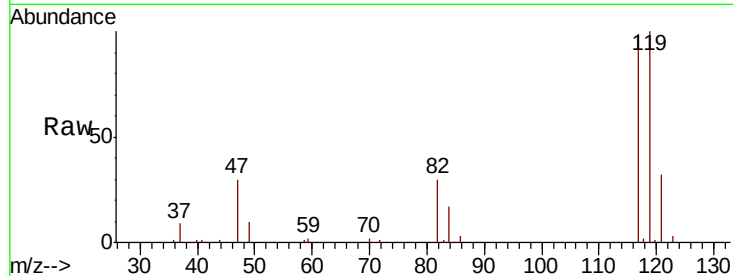




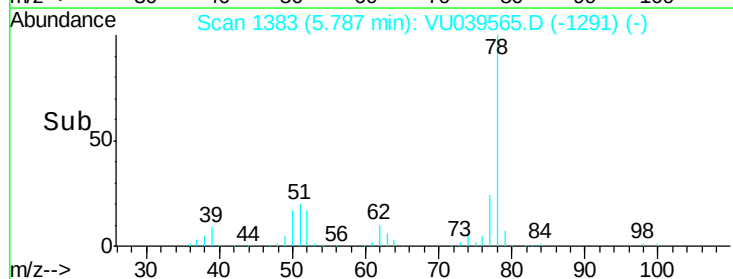
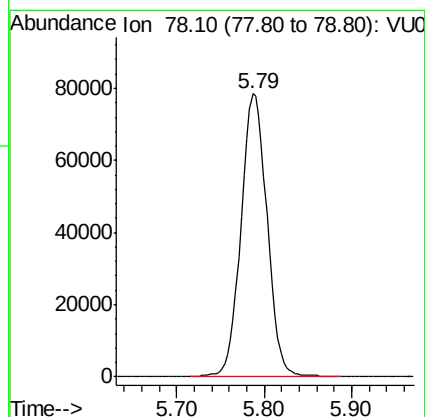
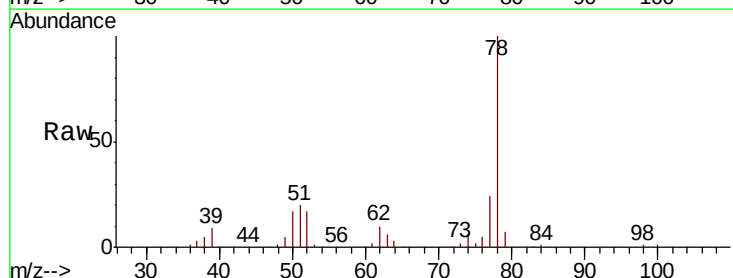
#31
Carbon tetrachloride
Concen: 5.345 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU039565.D
Acq: 20 Jul 2020 10:04

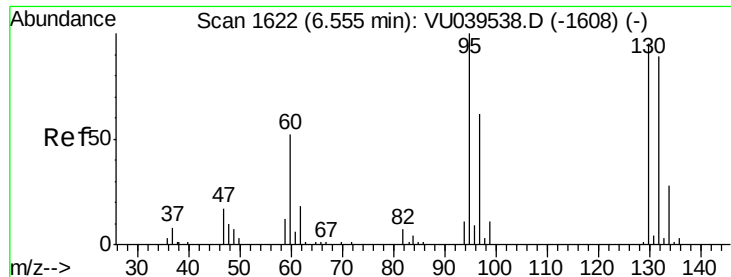
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tot Ion:117 Resp: 64523
Ion Ratio Lower Upper
117 100
119 95.3 77.4 116.0



#33
Benzene
Concen: 4.542 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU039565.D
Acq: 20 Jul 2020 10:04
Tgt Ion: 78 Resp: 163148





#34

Trichloroethene

Concen: 4.871 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039565.D

Acq: 20 Jul 2020 10:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

Tot Ion: 95 Resp: 45231

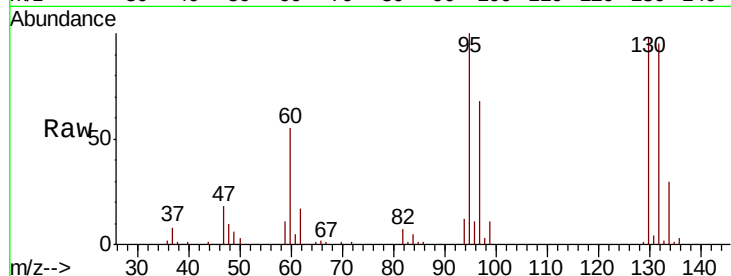
Ion Ratio Lower Upper

95 100

97 67.8 46.3 85.9

132 95.2 64.0 118.8

130 97.5 64.3 119.5

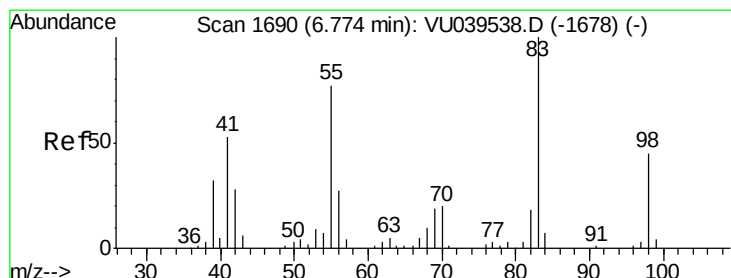
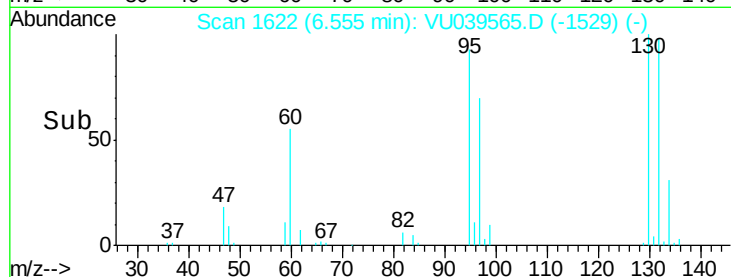
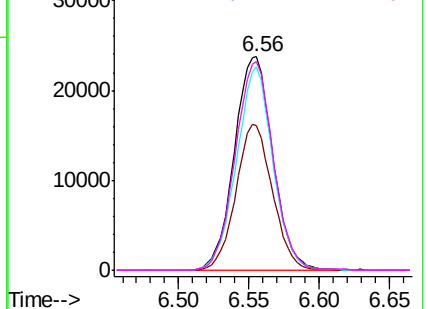


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.615 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU039565.D

Acq: 20 Jul 2020 10:04

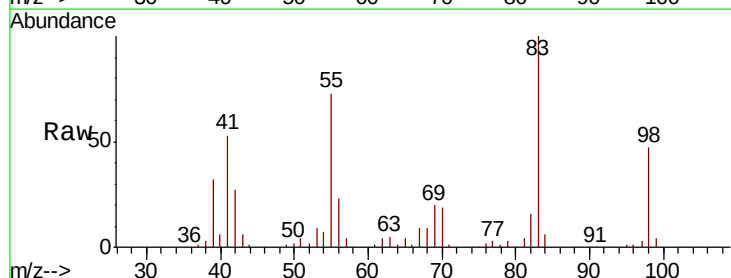
Tgt Ion: 83 Resp: 68649

Ion Ratio Lower Upper

83 100

55 76.0 62.1 93.1

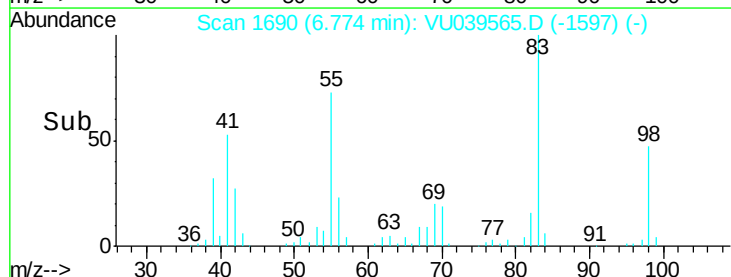
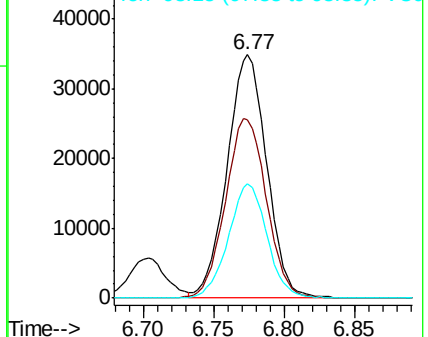
98 45.5 35.9 53.9

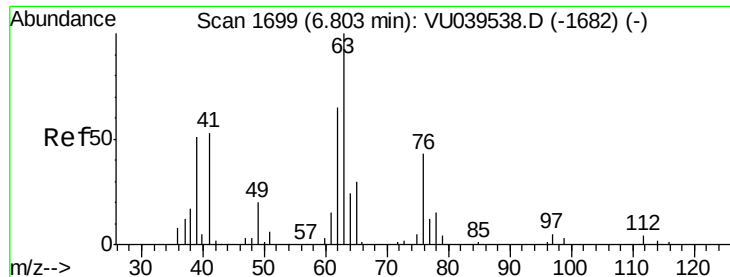


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

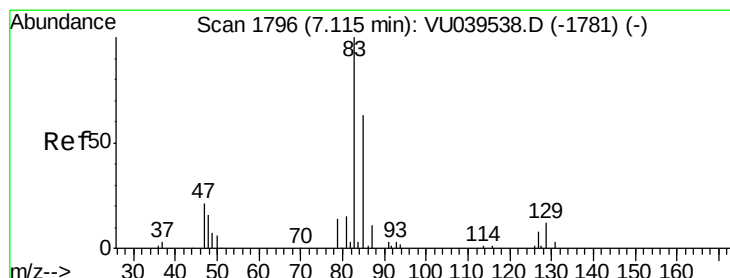
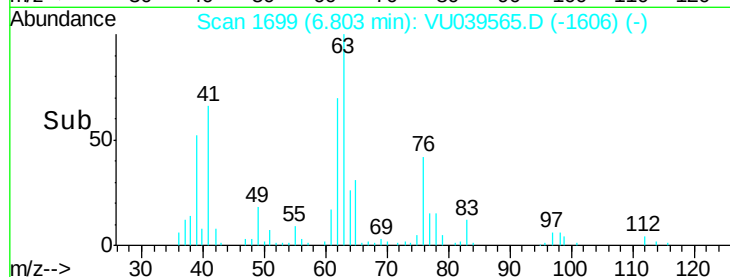
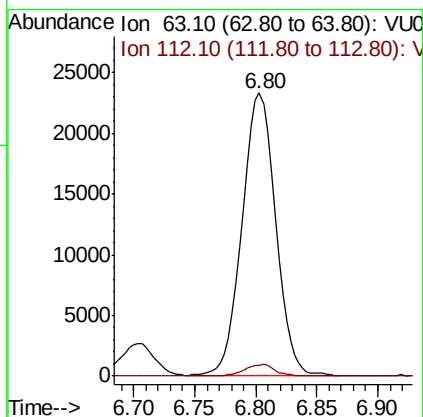
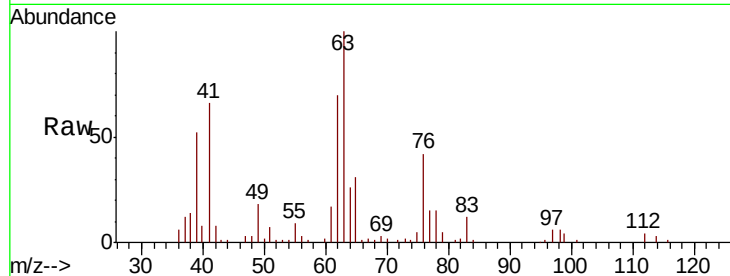




#37
 1,2-Dichloropropane
 Concen: 4.544 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU039565.D
 Acq: 20 Jul 2020 10:04

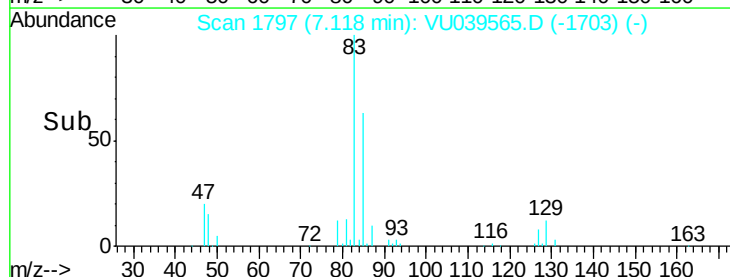
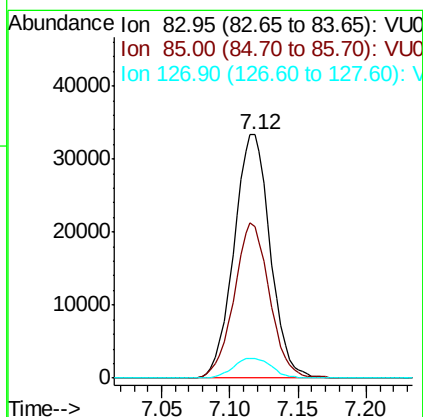
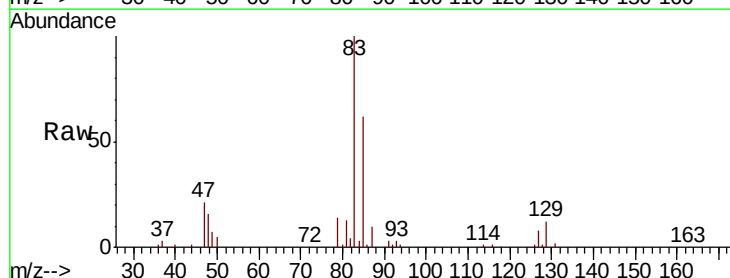
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

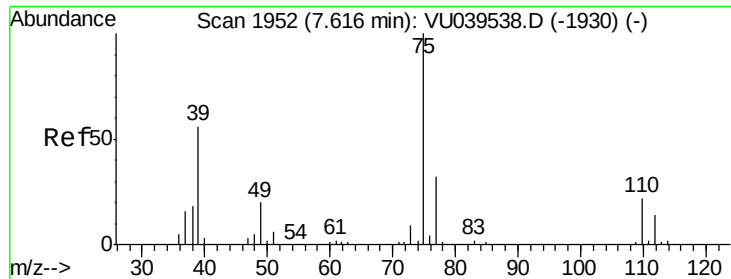
Tot Ion: 63 Resp: 44495
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.5 3.7



#38
 Bromodichloromethane
 Concen: 4.907 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU039565.D
 Acq: 20 Jul 2020 10:04

Tgt Ion: 83 Resp: 61358
 Ion Ratio Lower Upper
 83 100
 85 62.1 44.0 81.6
 127 7.9 6.2 9.4

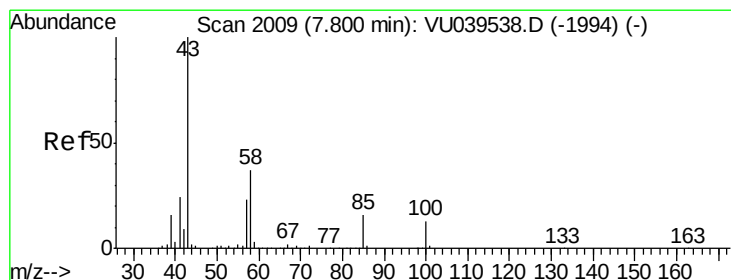
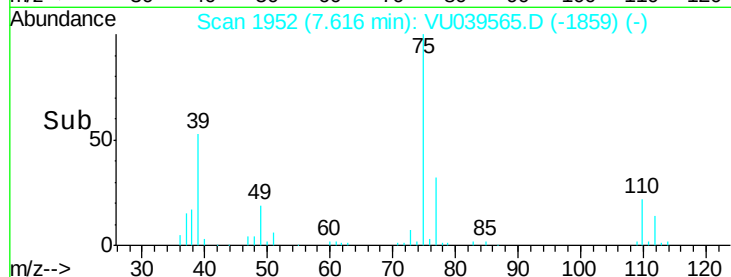
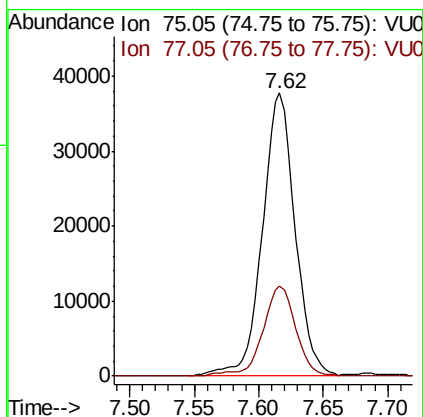
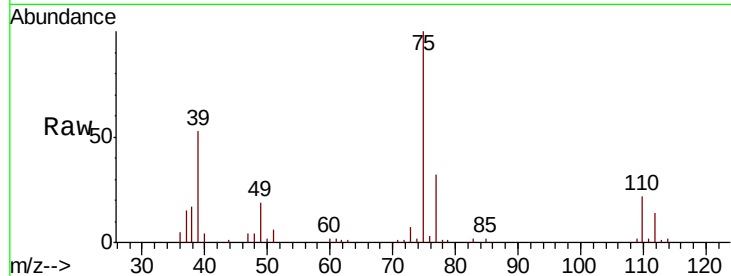




#39
 cis-1,3-Dichloropropene
 Concen: 4.502 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU039565.D
 Acq: 20 Jul 2020 10:04

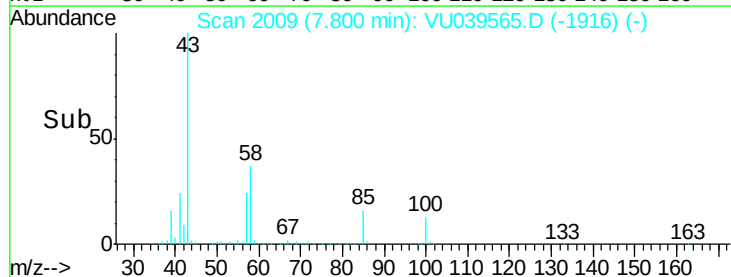
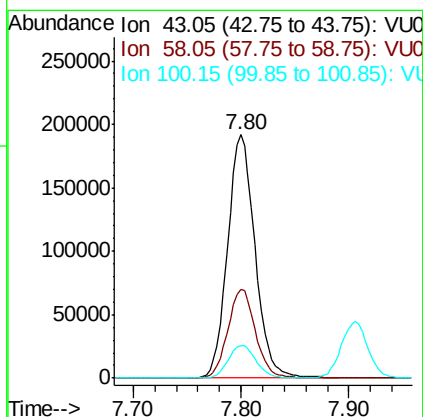
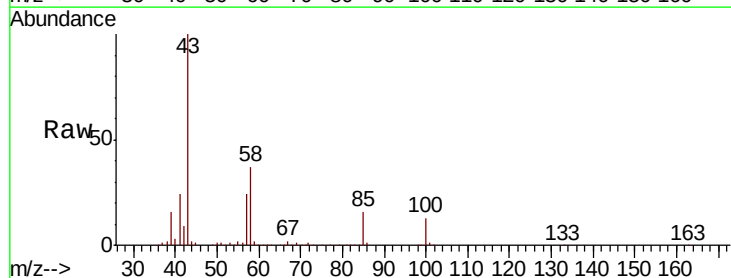
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

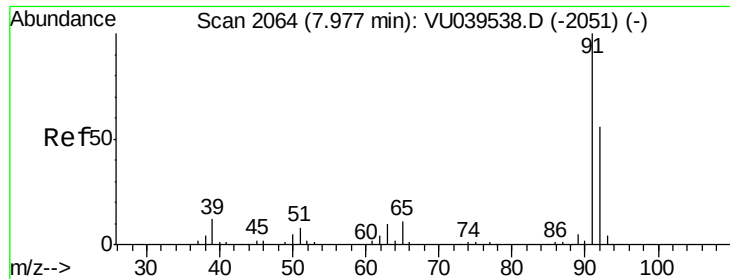
Tot Ion: 75 Resp: 66631
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 41.492 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU039565.D
 Acq: 20 Jul 2020 10:04

Tgt Ion: 43 Resp: 338919
 Ion Ratio Lower Upper
 43 100
 58 36.8 30.5 45.7
 100 13.7 10.3 15.5





#42

Toluene

Concen: 4.592 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039565.D

Acq: 20 Jul 2020 10:04

Instrument :

MSVOA_U

ClientSampleId :

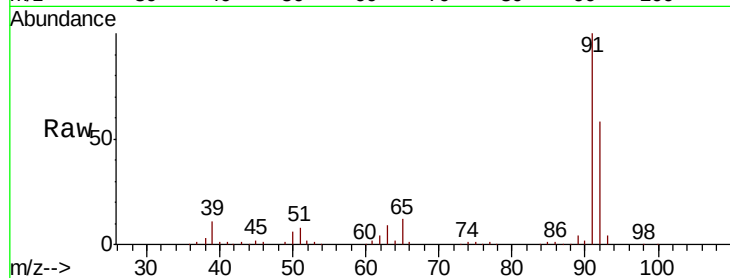
VSTD00527

Tot Ion: 91 Resp: 176633

Ion Ratio Lower Upper

91 100

92 58.3 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU039538.D (-2051) (-)

Ion 92.15 (91.85 to 92.85): VU039538.D (-2051) (-)

7.98

120000

100000

80000

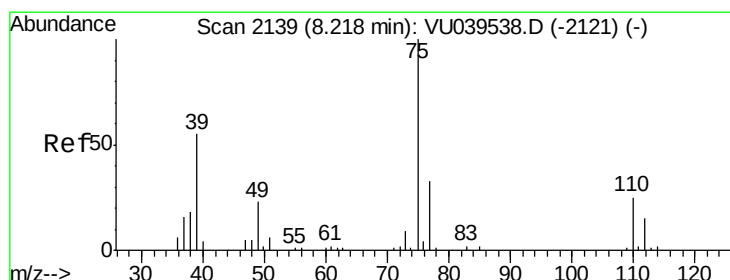
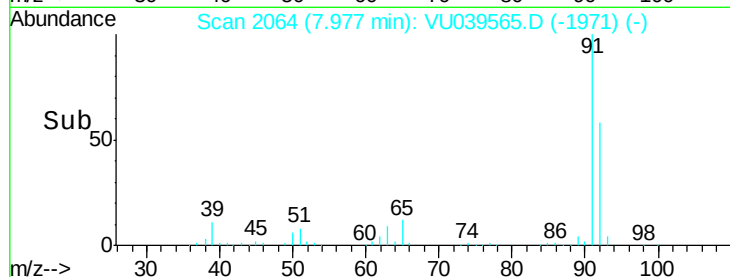
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.711 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039565.D

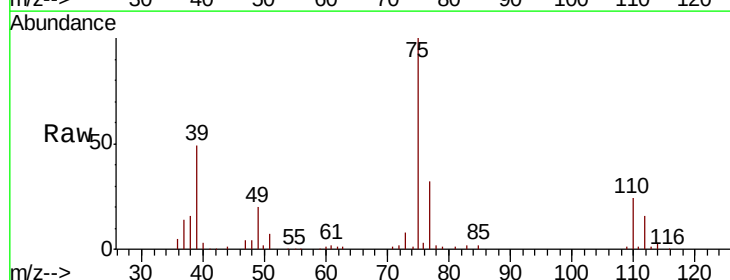
Acq: 20 Jul 2020 10:04

Tgt Ion: 75 Resp: 61865

Ion Ratio Lower Upper

75 100

77 32.3 23.7 43.9



Abundance Ion 75.05 (74.75 to 75.75): VU039538.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU039538.D (-2121) (-)

8.22

40000

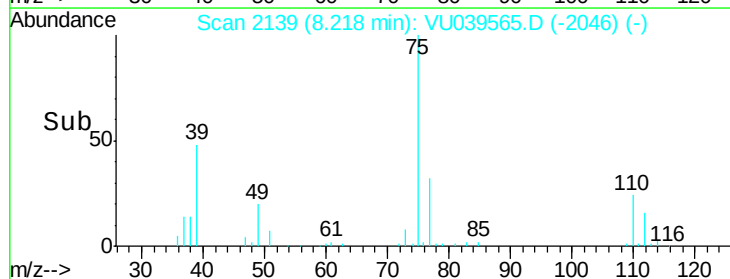
30000

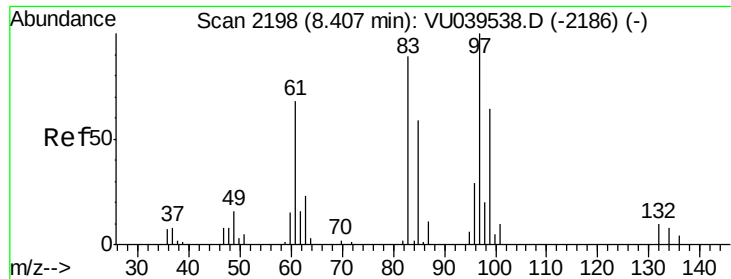
20000

10000

0

Time-->

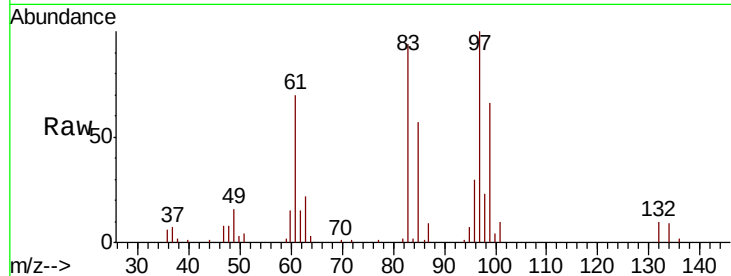




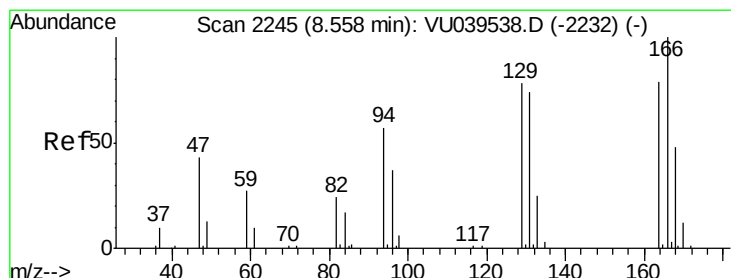
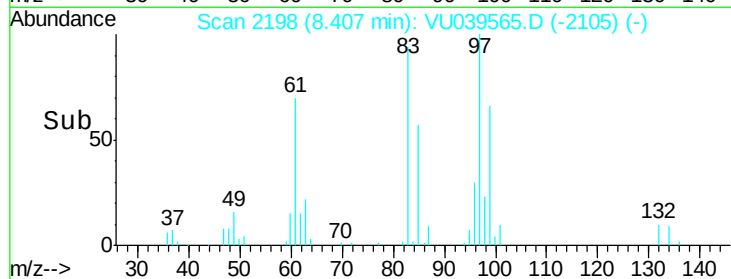
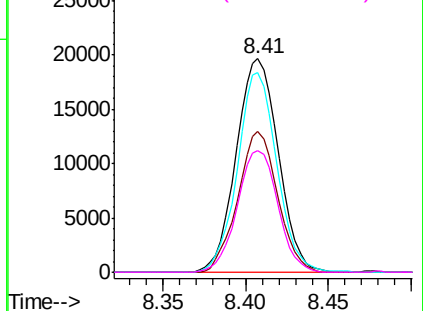
#45
 1,1,2-Trichloroethane
 Concen: 4.939 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU039565.D
 Acq: 20 Jul 2020 10:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tot Ion:	97	Resp:	34735
Ion	Ratio	Lower	Upper
97	100		
99	65.8	40.7	75.7
83	93.7	60.6	112.6
85	57.0	38.3	71.1

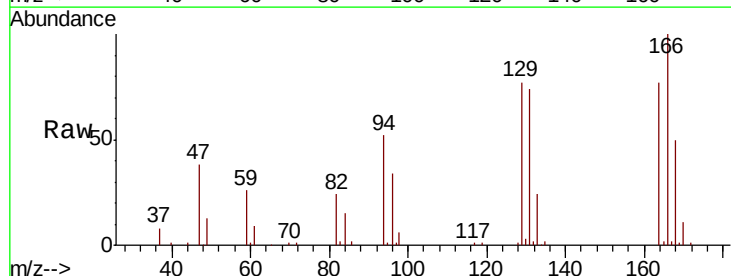


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

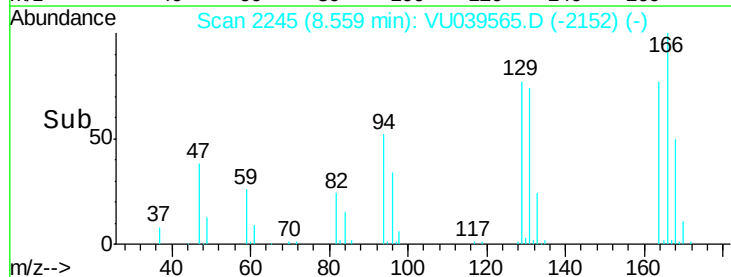
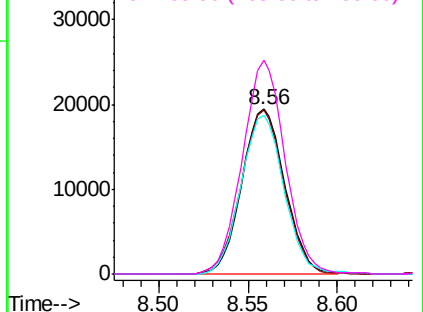


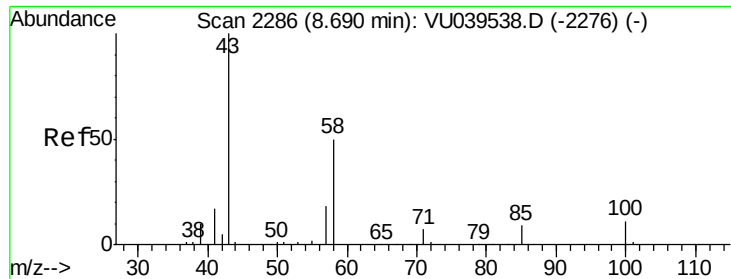
#47
 Tetrachloroethene
 Concen: 5.065 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU039565.D
 Acq: 20 Jul 2020 10:04

Tgt Ion:	164	Resp:	32715
Ion	Ratio	Lower	Upper
164	100		
129	99.3	68.6	127.4
131	96.4	66.4	123.4
166	129.6	85.9	159.5



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

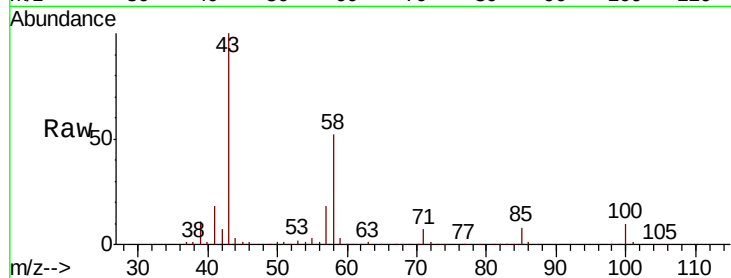




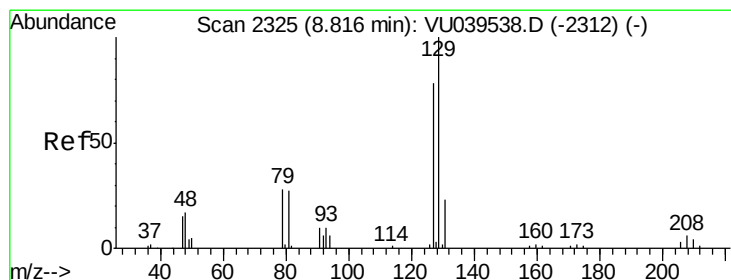
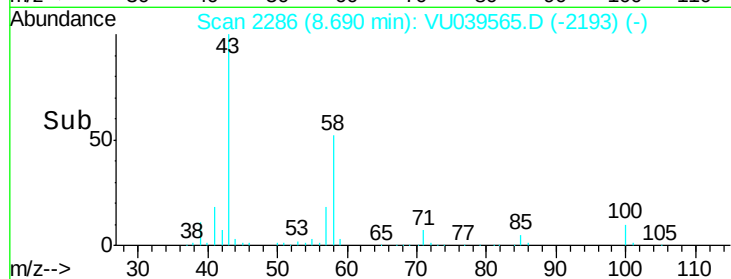
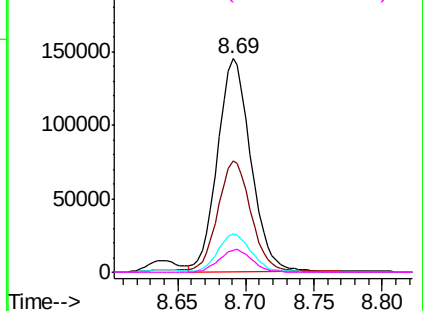
#48
2-Hexanone
Concen: 40.933 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU039565.D
Acq: 20 Jul 2020 10:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tot Ion: 43 Resp: 246529
Ion Ratio Lower Upper
43 100
58 52.4 42.0 63.0
57 18.1 14.0 21.0
100 10.7 8.2 12.2

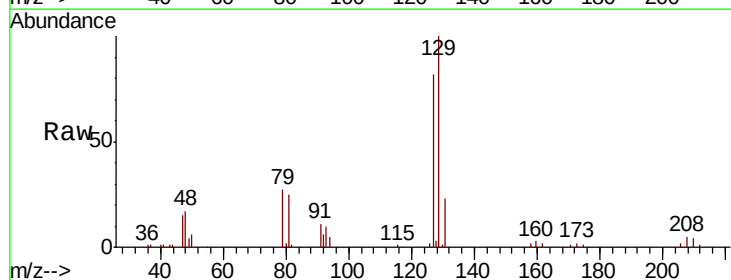


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

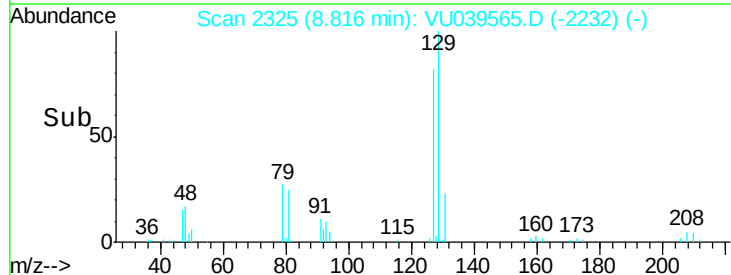
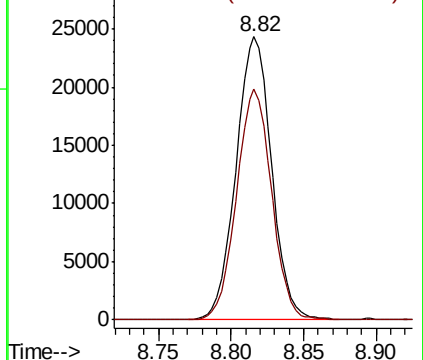


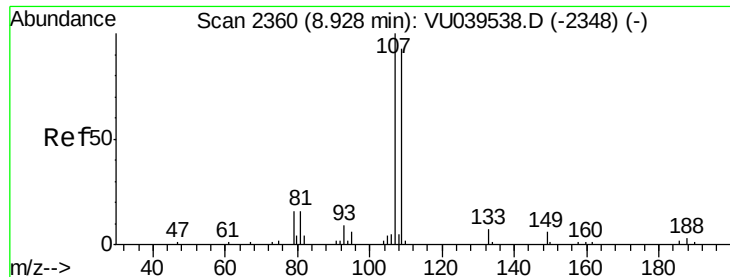
#49
Dibromochloromethane
Concen: 4.863 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039565.D
Acq: 20 Jul 2020 10:04

Tgt Ion: 129 Resp: 41430
Ion Ratio Lower Upper
129 100
127 81.6 55.4 102.8



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

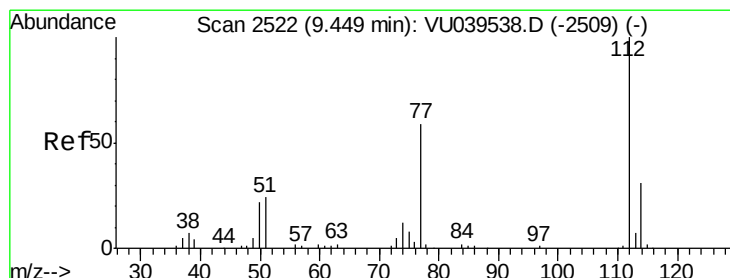
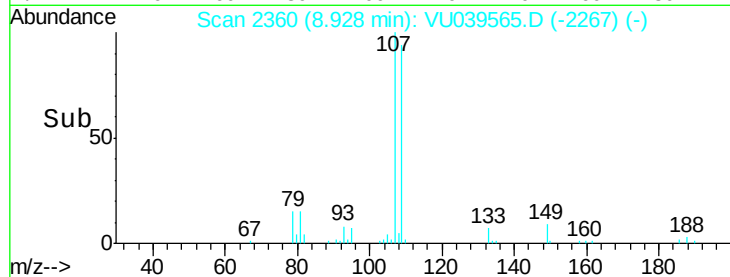
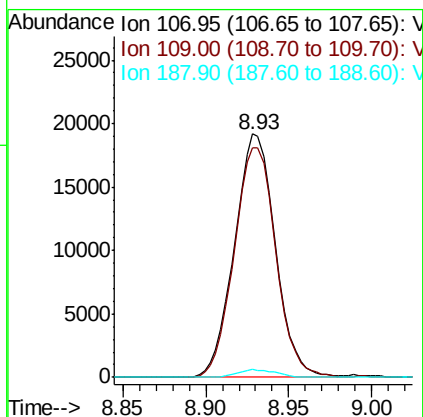
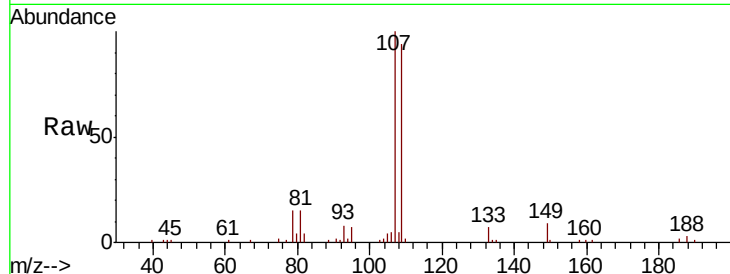




#50
 1,2-Dibromoethane
 Concen: 4.602 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU039565.D
 Acq: 20 Jul 2020 10:04

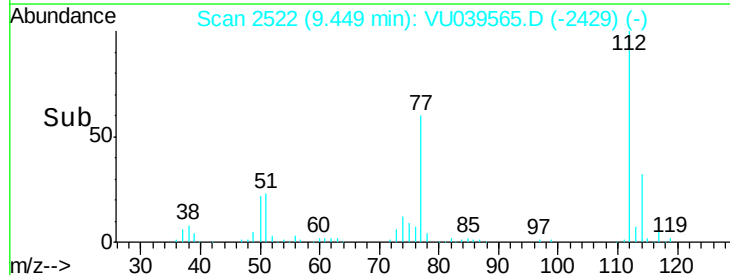
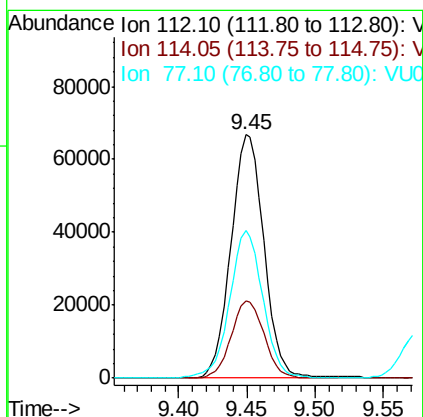
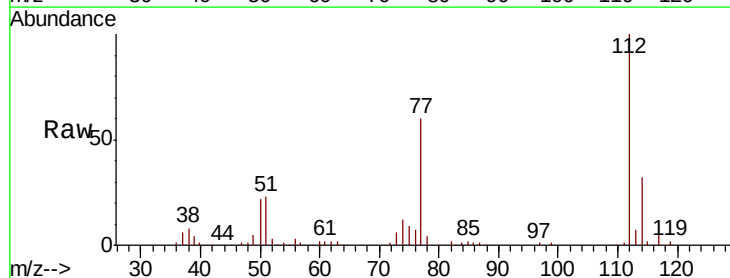
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

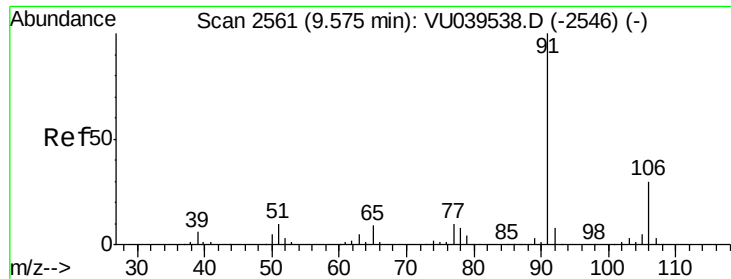
Tot Ion:107 Resp: 32885
 Ion Ratio Lower Upper
 107 100
 109 94.4 64.0 118.8
 188 3.2 2.6 3.8



#51
 Chlorobenzene
 Concen: 4.776 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU039565.D
 Acq: 20 Jul 2020 10:04

Tgt Ion:112 Resp: 112250
 Ion Ratio Lower Upper
 112 100
 114 31.8 22.1 41.1
 77 60.4 49.9 74.9





#52

Ethylbenzene

Concen: 4.749 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039565.D

Acq: 20 Jul 2020 10:04

Instrument :

MSVOA_U

ClientSampleId :

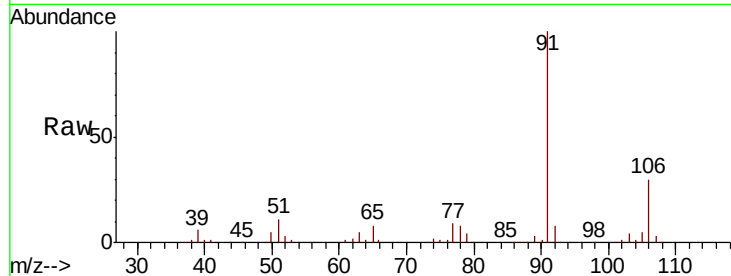
VSTD00527

Tot Ion: 91 Resp: 201887

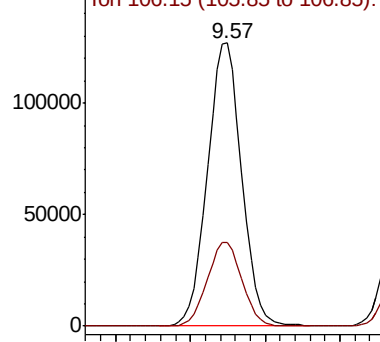
Ion Ratio Lower Upper

91 100

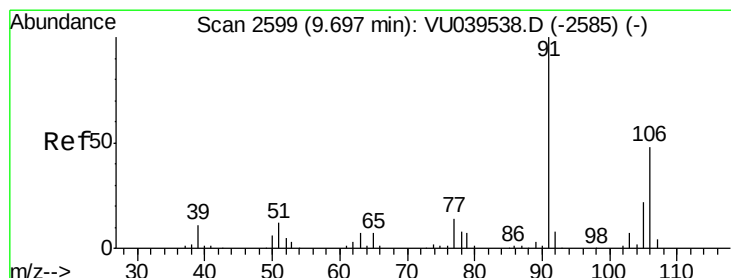
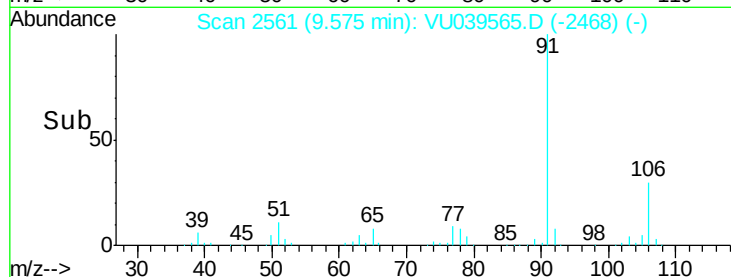
106 29.6 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039565.D (-2546) (-)



Time-->



#53

m,p-Xylene

Concen: 4.694 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039565.D

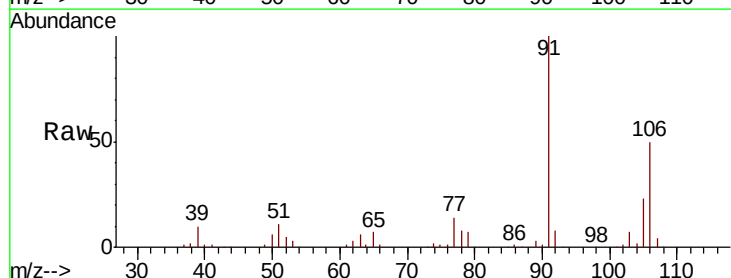
Acq: 20 Jul 2020 10:04

Tgt Ion: 106 Resp: 75185

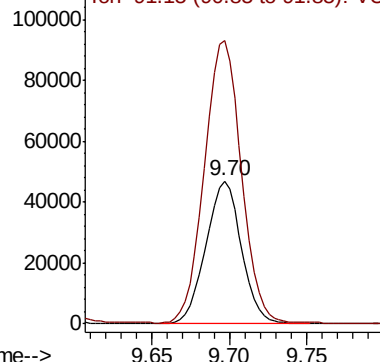
Ion Ratio Lower Upper

106 100

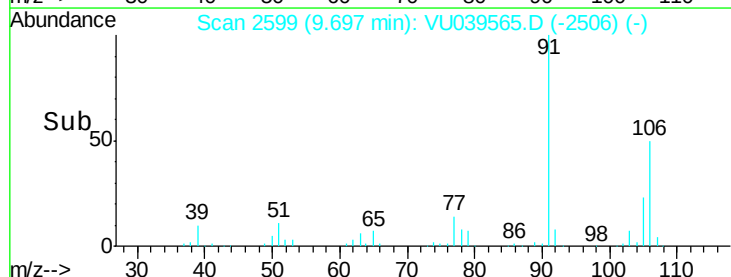
91 198.5 144.0 267.4

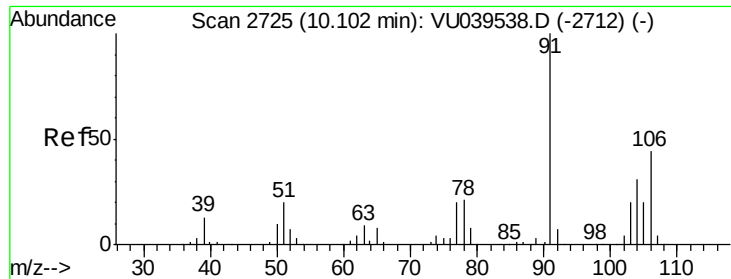


Abundance Ion 106.15 (105.85 to 106.85): VU039565.D (-2585) (-)



Time-->

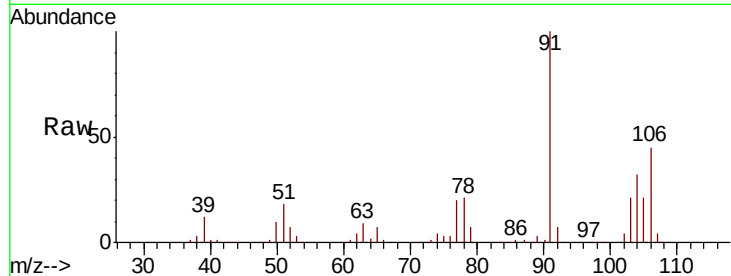




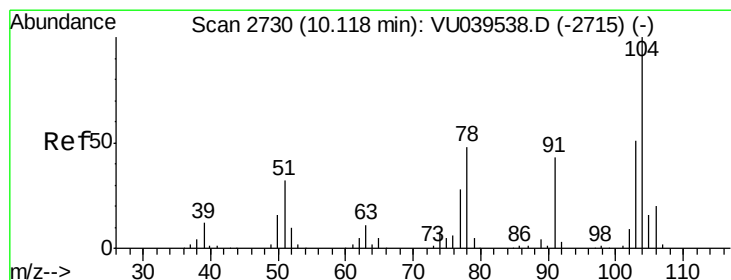
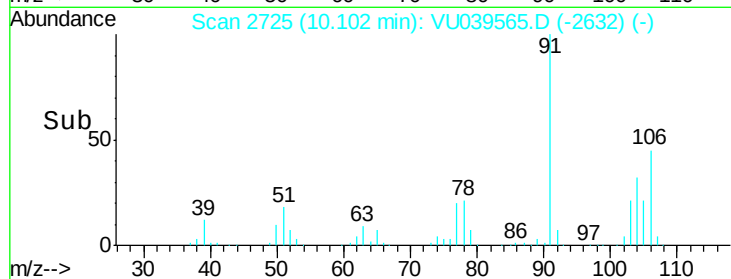
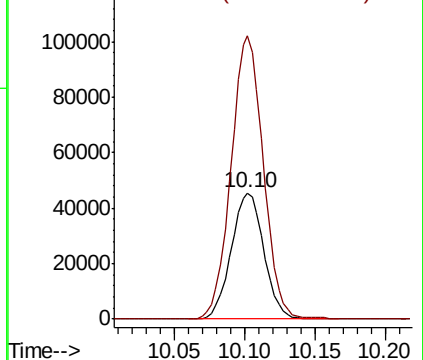
#54
o-Xylene
Concen: 4.717 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039565.D
Acq: 20 Jul 2020 10:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tot Ion:106 Resp: 73543
Ion Ratio Lower Upper
106 100
91 223.9 154.6 287.2

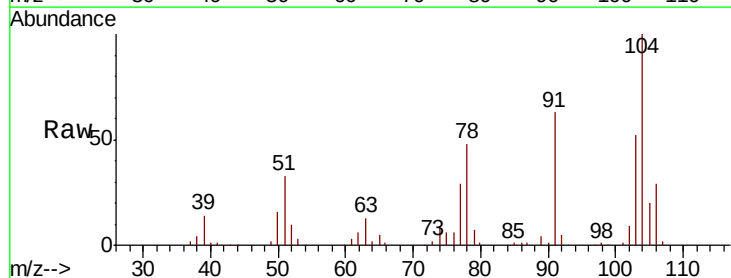


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

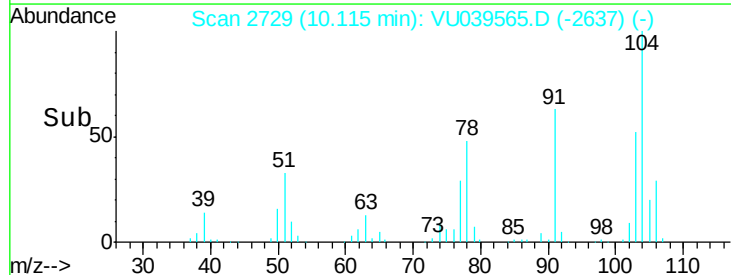
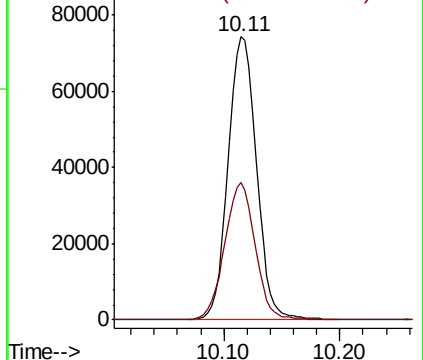


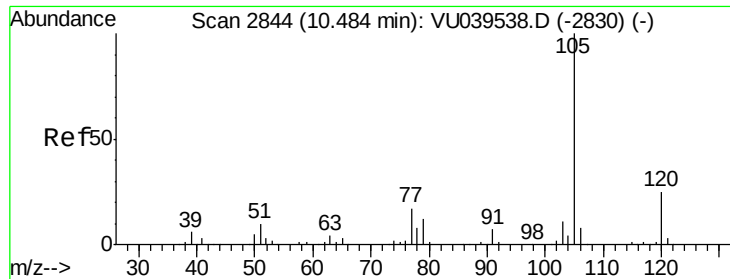
#55
Styrene
Concen: 4.626 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039565.D
Acq: 20 Jul 2020 10:04

Tgt Ion:104 Resp: 125504
Ion Ratio Lower Upper
104 100
78 48.4 33.1 61.5



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





#56

Isopropylbenzene

Concen: 4.734 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039565.D

Acq: 20 Jul 2020 10:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

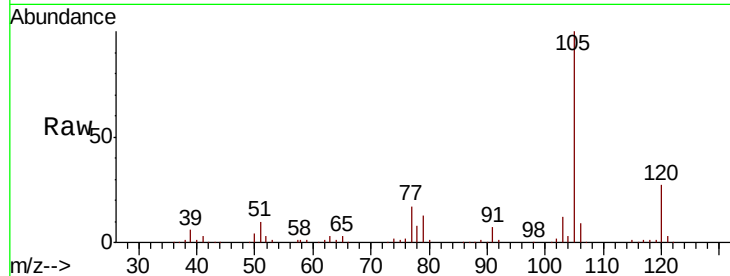
Tot Ion:105 Resp: 199642

Ion Ratio Lower Upper

105 100

120 26.1 20.7 31.1

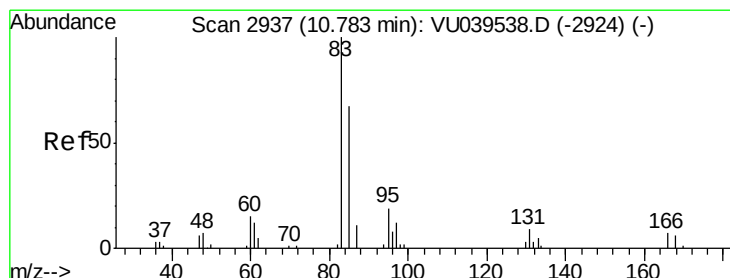
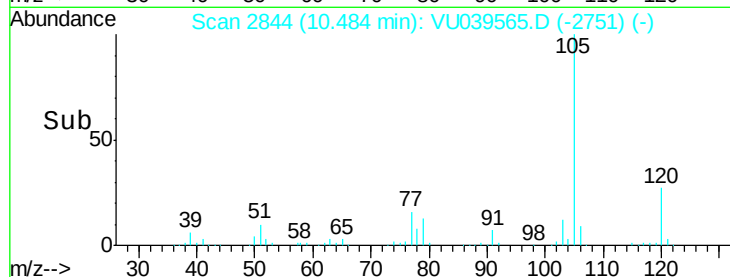
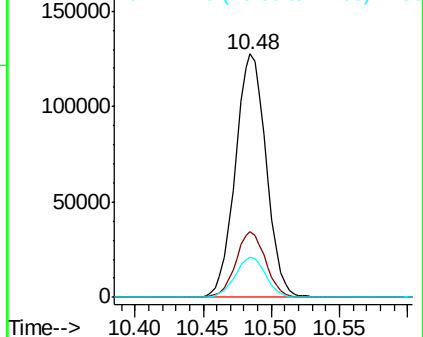
77 16.5 13.9 20.9



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: 4.502 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039565.D

Acq: 20 Jul 2020 10:04

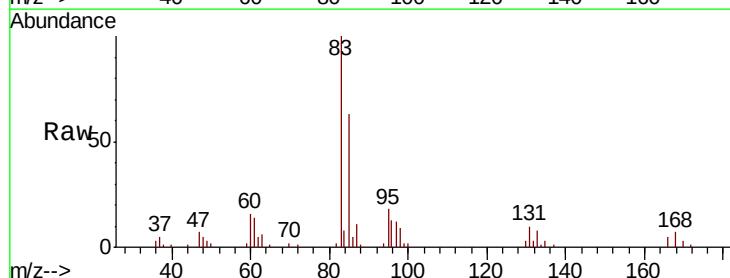
Tgt Ion: 83 Resp: 44068

Ion Ratio Lower Upper

83 100

85 63.2 46.1 85.7

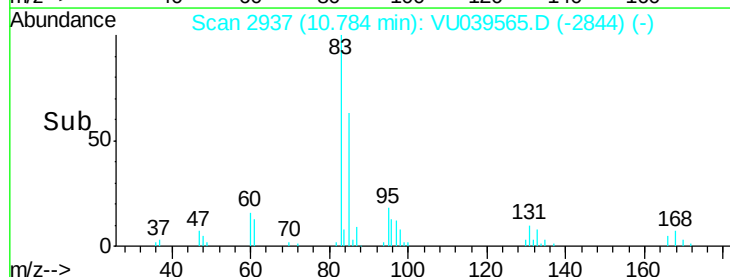
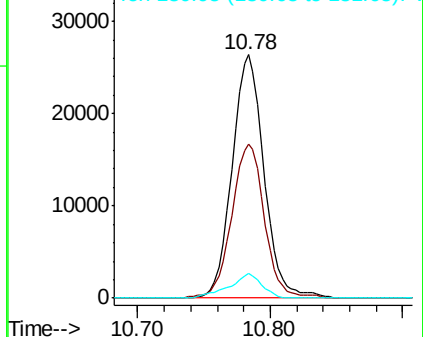
131 9.9 7.4 11.0

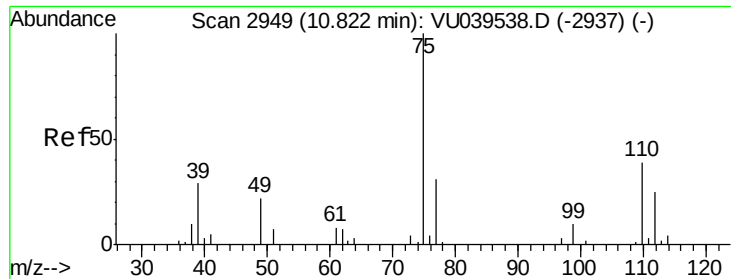


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.449 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU039565.D

Acq: 20 Jul 2020 10:04

Instrument :

MSVOA_U

ClientSampleId :

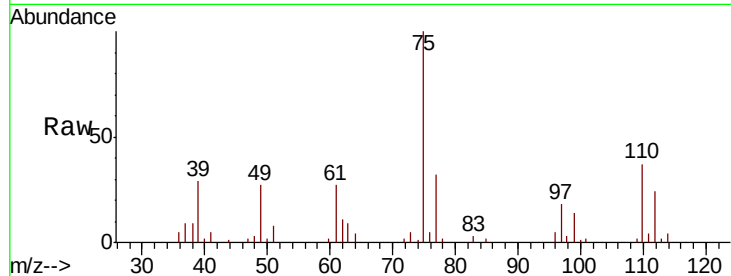
VSTD00527

Tot Ion: 75 Resp: 32109

Ion Ratio Lower Upper

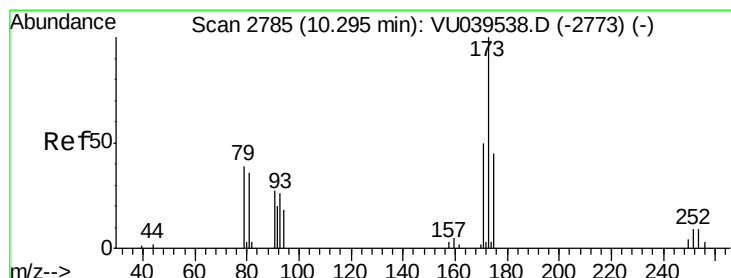
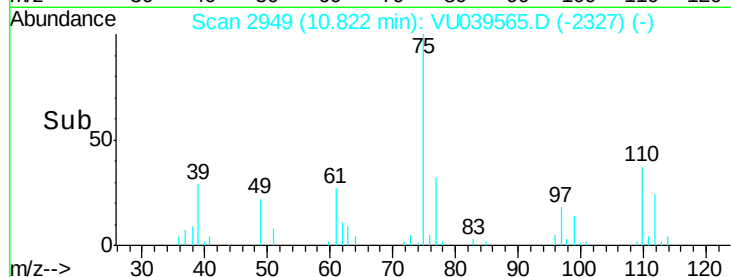
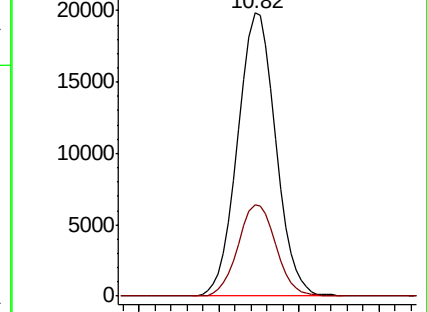
75 100

77 32.0 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU039538.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039538.D (-2937) (-)



#61

Bromoform

Concen: 4.853 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU039565.D

Acq: 20 Jul 2020 10:04

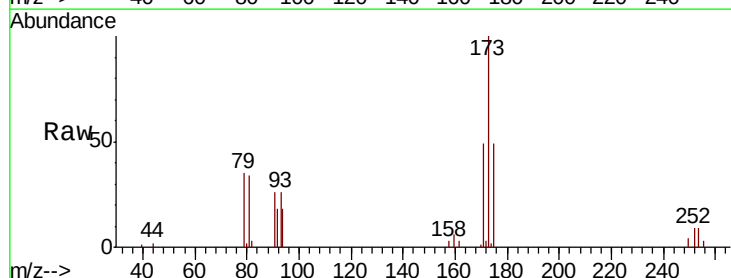
Tgt Ion: 173 Resp: 24207

Ion Ratio Lower Upper

173 100

175 49.4 37.5 56.3

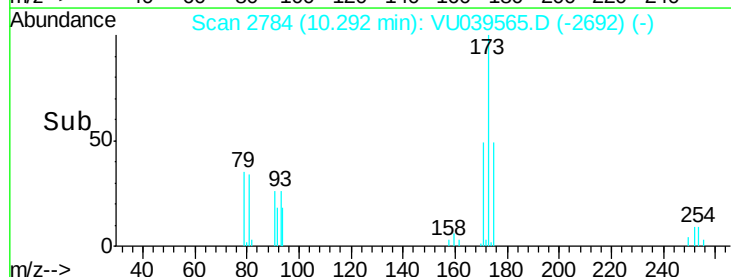
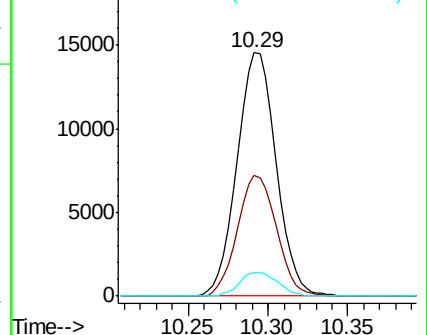
254 9.3 6.7 10.1

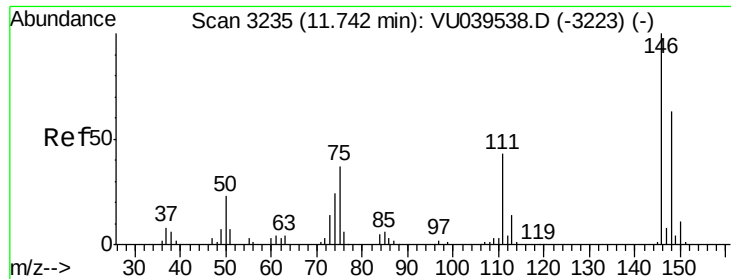


Abundance Ion 172.90 (172.60 to 173.60): VU039538.D (-2773) (-)

Ion 174.90 (174.60 to 175.60): VU039538.D (-2773) (-)

Ion 253.75 (253.45 to 254.45): VU039538.D (-2773) (-)

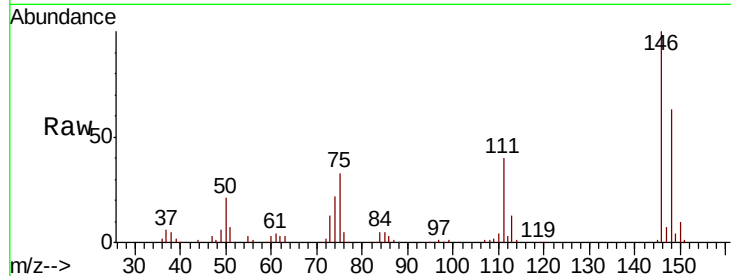




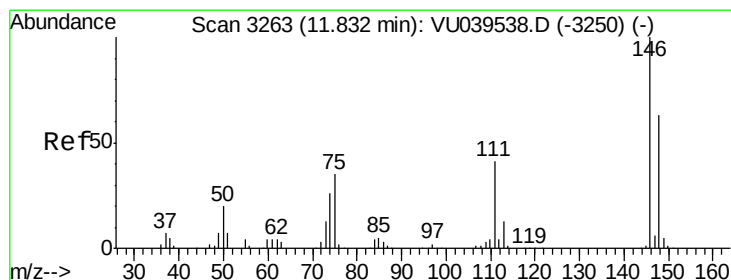
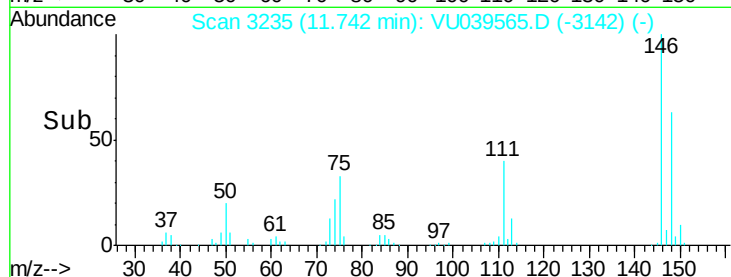
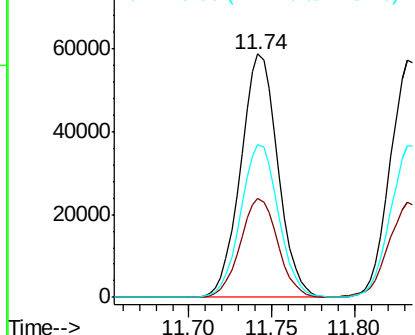
#62
 1,3-Dichlorobenzene
 Concen: 4.938 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039565.D
 Acq: 20 Jul 2020 10:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tot Ion:146 Resp: 91591
 Ion Ratio Lower Upper
 146 100
 111 40.4 29.0 53.8
 148 62.7 43.5 80.9

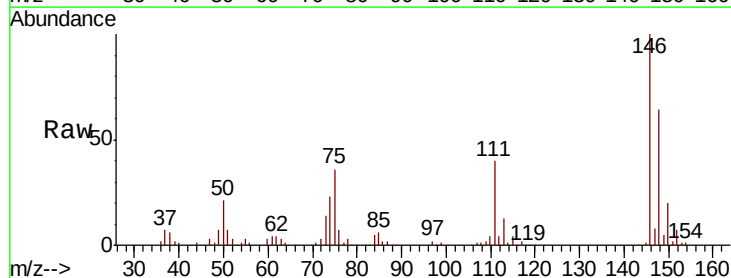


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

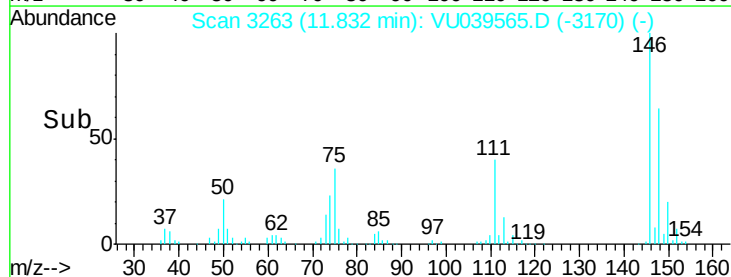
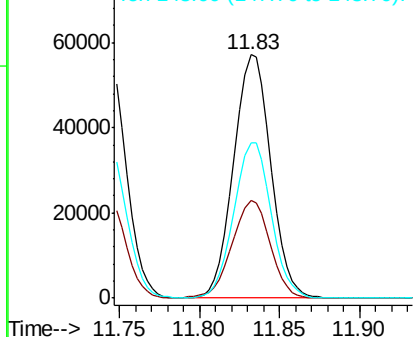


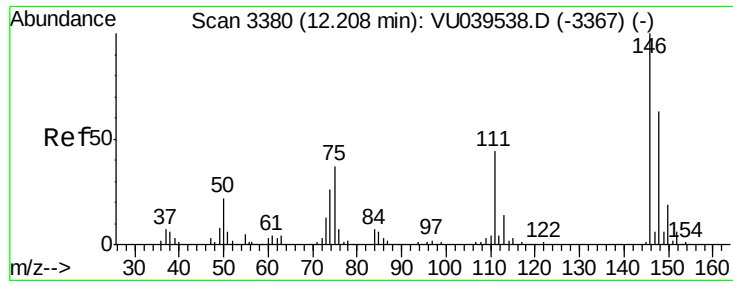
#63
 1,4-Dichlorobenzene
 Concen: 4.858 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU039565.D
 Acq: 20 Jul 2020 10:04

Tgt Ion:146 Resp: 90387
 Ion Ratio Lower Upper
 146 100
 111 39.9 28.6 53.0
 148 64.0 45.0 83.6



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





#65

1,2-Dichlorobenzene

Concen: 4.783 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU039565.D

Acq: 20 Jul 2020 10:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

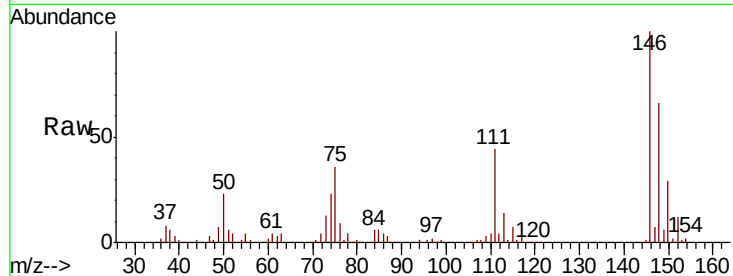
Tot Ion:146 Resp: 88936

Ion Ratio Lower Upper

146 100

111 44.0 35.0 52.4

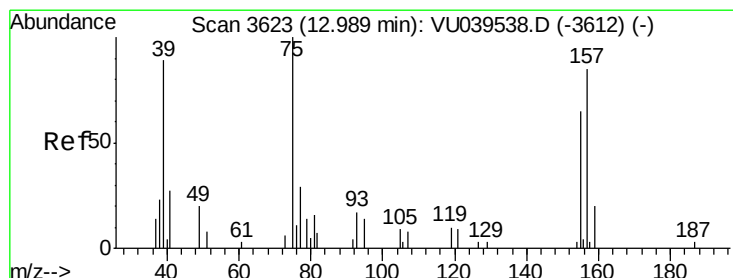
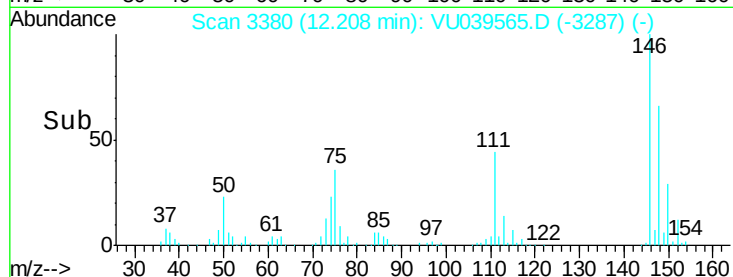
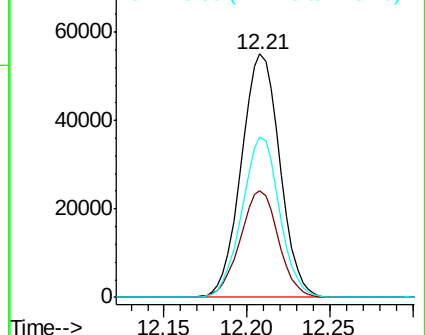
148 65.7 50.6 75.8



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: 4.522 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU039565.D

Acq: 20 Jul 2020 10:04

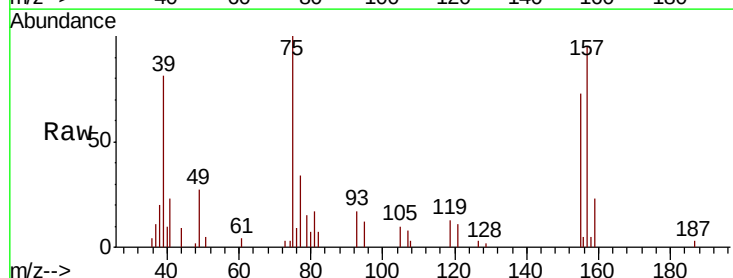
Tgt Ion: 75 Resp: 7427

Ion Ratio Lower Upper

75 100

155 72.8 51.9 77.9

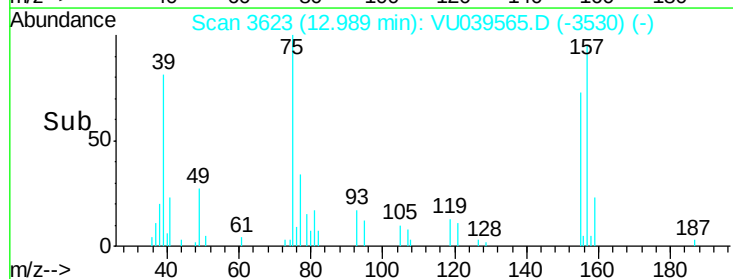
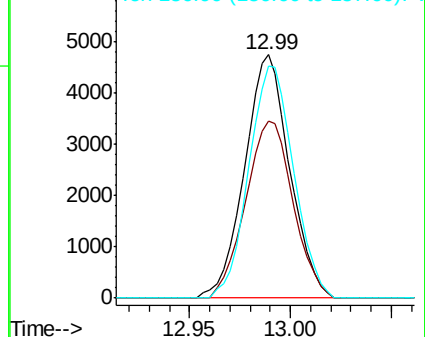
157 95.1 63.2 94.8#

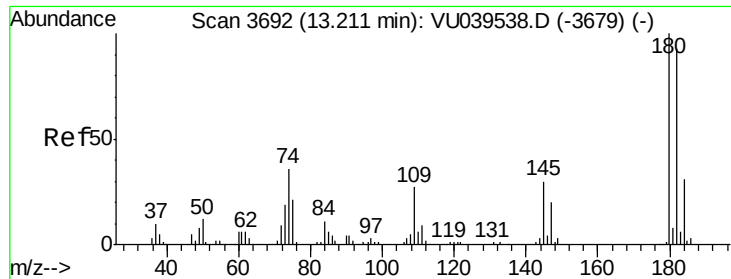


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

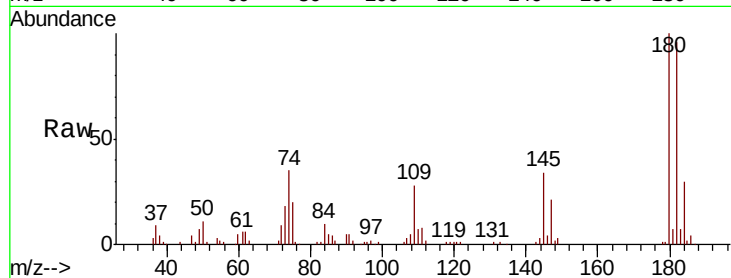




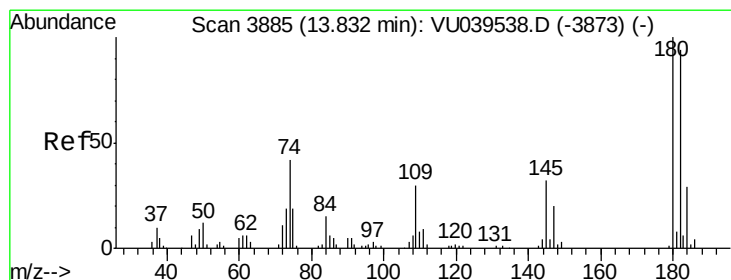
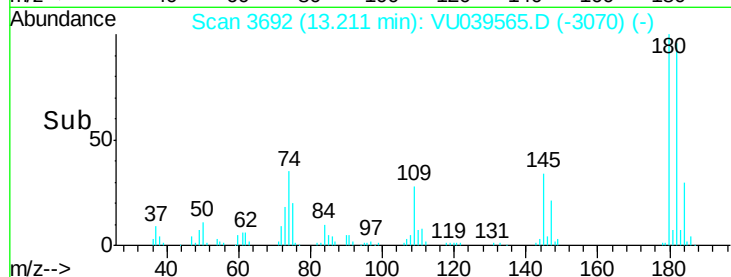
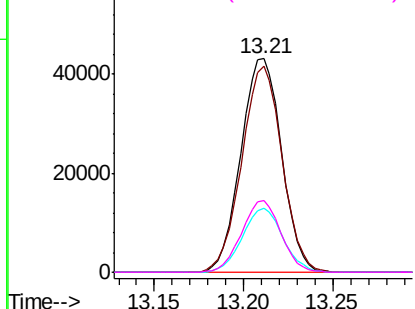
#67
 1,3,5-Trichlorobenzene
 Concen: 4.951 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039565.D
 Acq: 20 Jul 2020 10:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tot Ion:180 Resp: 68710
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.2 114.4
 184 29.7 24.2 36.4
 145 32.3 24.2 36.2

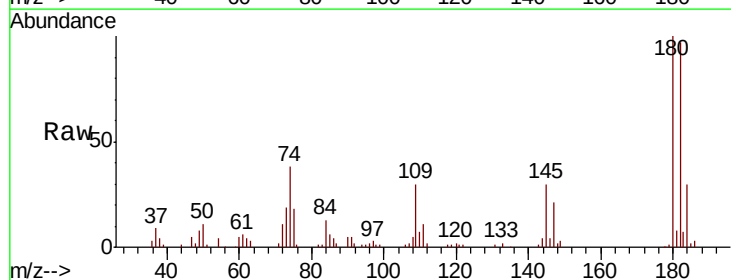


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

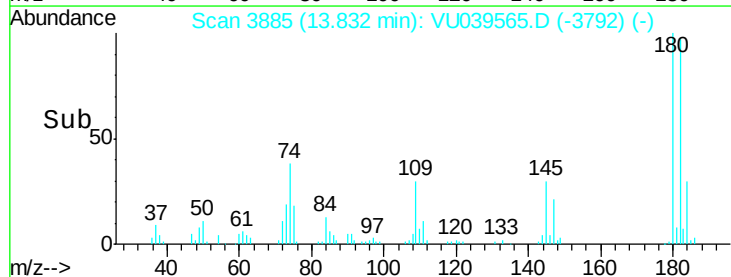
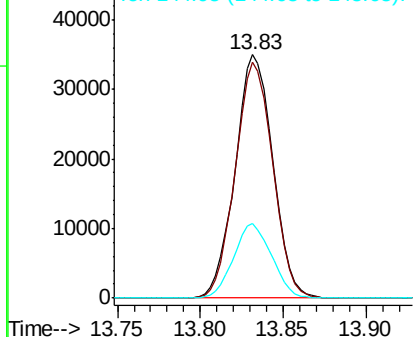


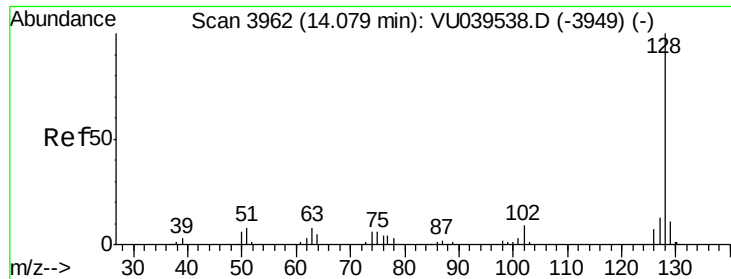
#68
 1,2,4-trichlorobenzene
 Concen: 4.674 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039565.D
 Acq: 20 Jul 2020 10:04

Tgt Ion:180 Resp: 55508
 Ion Ratio Lower Upper
 180 100
 182 96.2 79.4 119.2
 145 30.6 26.4 39.6



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: 3.820 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039565.D

Acq: 20 Jul 2020 10:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

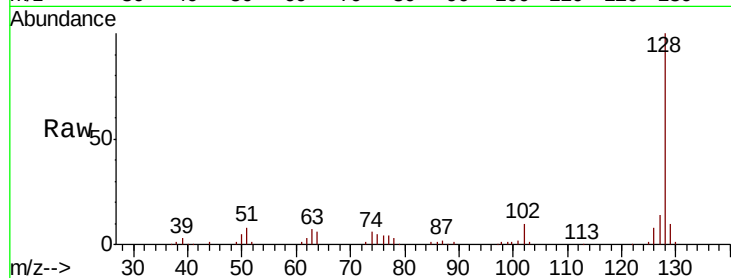
Tot Ion:128 Resp: 91296

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

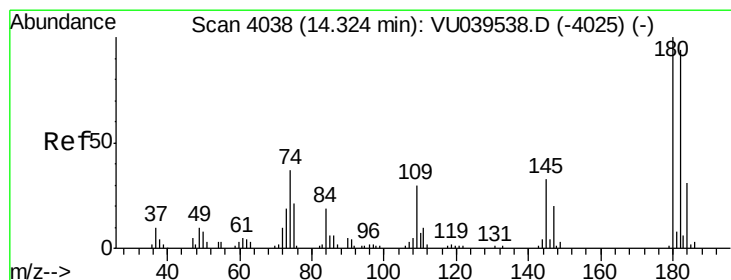
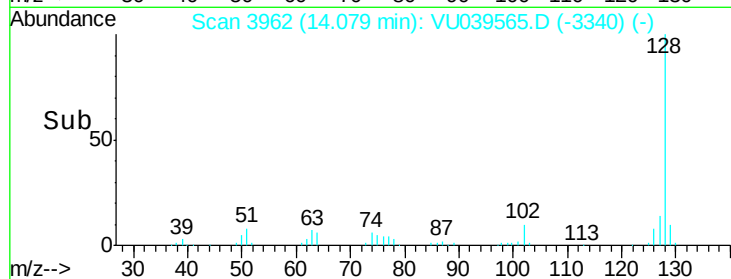
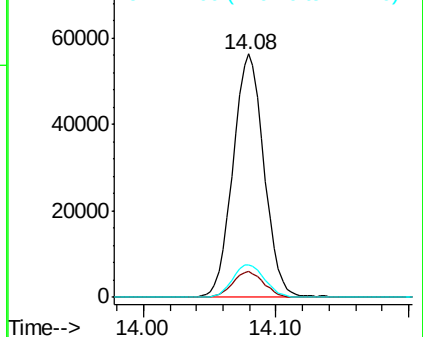
127 13.9 10.4 15.6



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: 4.624 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039565.D

Acq: 20 Jul 2020 10:04

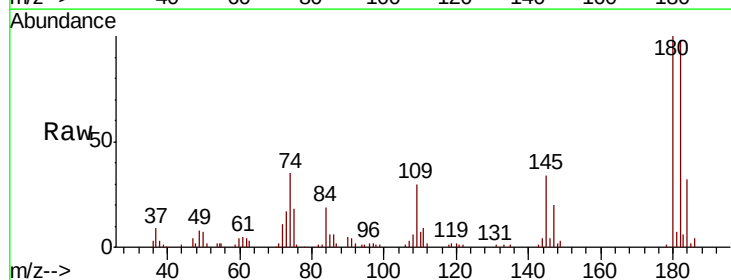
Tgt Ion:180 Resp: 50886

Ion Ratio Lower Upper

180 100

182 95.0 74.2 111.2

145 33.4 27.6 41.4



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

