

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072020\
 Data File : VU039584.D
 Acq On : 20 Jul 2020 20:38
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Quant Time: Jul 21 06:07:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 21 06:02:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	90639	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	87824	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	42529	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	19665	3.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.80%
7) Chloroethane-d5	1.92	69	29330	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.20%
11) 1,1-Dichloroethene-d2	2.58	63	44677	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.40%
20) 2-Butanone-d5	4.65	46	122564	50.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.98%
24) Chloroform-d	5.08	84	60140	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
26) 1,2-Dichloroethane-d4	5.72	65	38406	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.40%
32) Benzene-d6	5.75	84	106358	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.71	67	37231	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.91	98	91318	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
43) trans-1,3-Dichloropropene-	8.19	79	15863	4.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.80%
46) 2-Hexanone-d5	8.64	63	94490	48.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.12%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	38129	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	39645	5.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	23385	4.257	ug/L 100
3) Chloromethane	1.53	50	29772	4.473	ug/L 99
5) Vinyl chloride	1.61	62	30122	4.076	ug/L 94
6) Bromomethane	1.87	94	24270	7.625	ug/L 94
8) Chloroethane	1.94	64	29305	5.488	ug/L 98
9) Trichlorofluoromethane	2.15	101	52583	4.097	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	22574	4.287	ug/L 98
12) 1,1-Dichloroethene	2.59	96	21853	4.054	ug/L 92
13) Acetone	2.66	43	58625	45.186	ug/L 97
14) Carbon disulfide	2.81	76	68698	3.618	ug/L 99
15) Methyl Acetate	2.97	43	15266	4.455	ug/L 97
16) Methylene chloride	3.06	84	32132	4.739	ug/L 89
17) Methyl tert-butyl Ether	3.38	73	81353	4.790	ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	26858	4.501	ug/L 96
19) 1,1-Dichloroethane	3.89	63	57316	4.909	ug/L 96
21) 2-Butanone	4.73	43	111379	48.097	ug/L 97
22) cis-1,2-Dichloroethene	4.69	96	31837	4.758	ug/L 94

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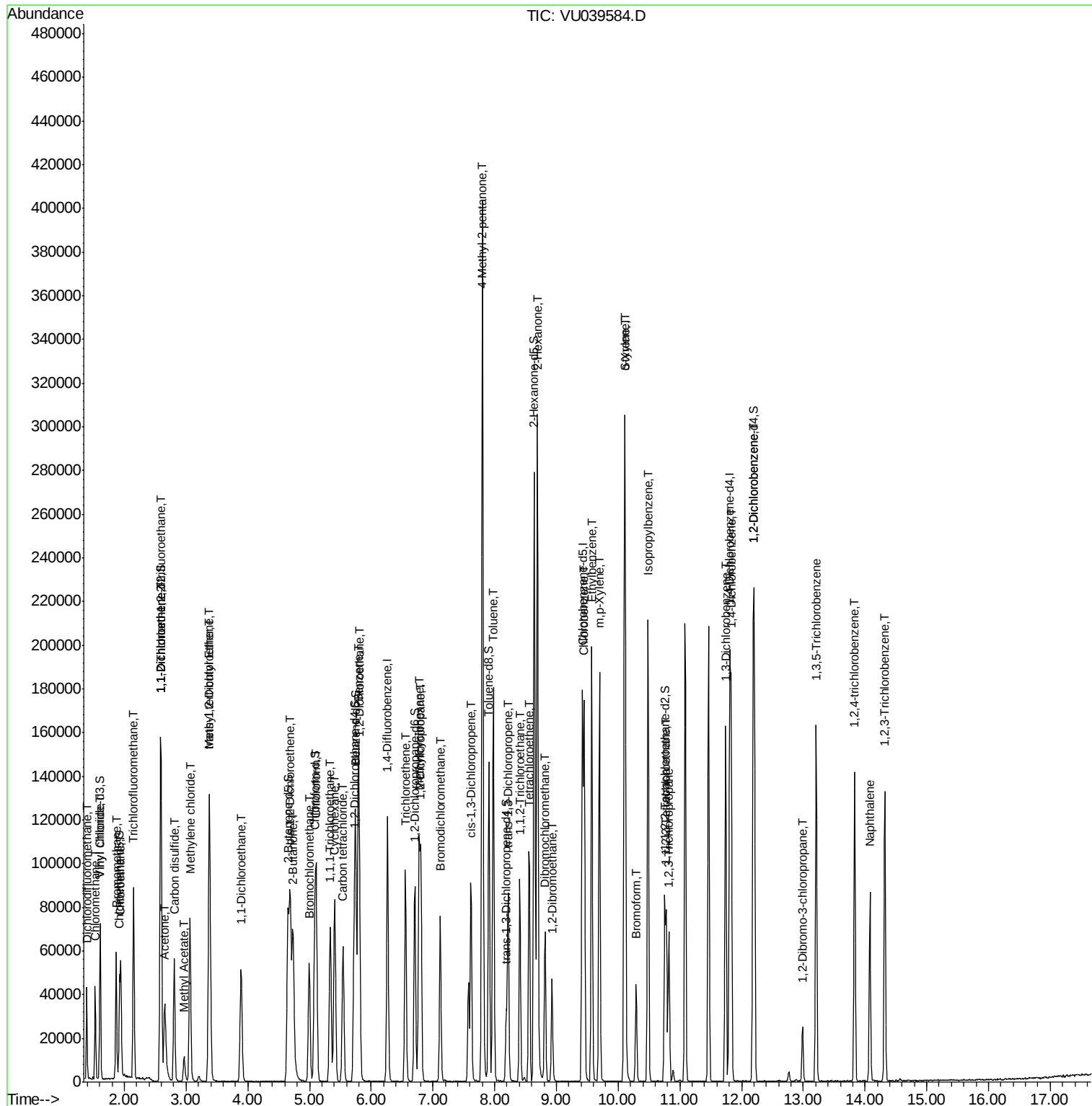
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	15428	5.075	ug/L	96
25) Chloroform	5.11	83	64605	5.479	ug/L	99
27) 1,2-Dichloroethane	5.81	62	44521	5.220	ug/L	98
29) 1,1,1-Trichloroethane	5.34	97	50160	4.849	ug/L	97
30) Cyclohexane	5.41	56	40703	3.738	ug/L	99
31) Carbon tetrachloride	5.55	117	39466	4.472	ug/L	100
33) Benzene	5.79	78	121317	4.620	ug/L	100
34) Trichloroethene	6.56	95	31614	4.657	ug/L	97
35) Methylcyclohexane	6.78	83	40638	3.737	ug/L	98
37) 1,2-Dichloropropane	6.81	63	33872	4.732	ug/L	99
38) Bromodichloromethane	7.12	83	45458	4.973	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	47637	4.403	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	268567	44.978	ug/L	99
42) Toluene	7.98	91	126684	4.506	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	43356	4.516	ug/L	97
45) 1,1,2-Trichloroethane	8.41	97	25706	5.000	ug/L	97
47) Tetrachloroethene	8.56	164	21297	4.510	ug/L	98
48) 2-Hexanone	8.69	43	198520	45.090	ug/L	99
49) Dibromochloromethane	8.82	129	31458	5.052	ug/L	95
50) 1,2-Dibromoethane	8.93	107	25177	4.820	ug/L #	99
51) Chlorobenzene	9.45	112	78469	4.567	ug/L	99
52) Ethylbenzene	9.57	91	134704	4.335	ug/L	99
53) m,p-Xylene	9.70	106	49593	4.236	ug/L	98
54) o-Xylene	10.10	106	49319	4.327	ug/L	95
55) Styrene	10.11	104	85816	4.327	ug/L	98
56) Isopropylbenzene	10.48	105	127241	4.128	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	33690	4.708	ug/L	96
59) 1,2,3-Trichloropropane	10.82	75	25262	4.789	ug/L	98
61) Bromoform	10.29	173	17533	4.891	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	59878	4.493	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	60435	4.520	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	60548	4.532	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.99	75	5611	4.754	ug/L #	88
67) 1,3,5-Trichlorobenzene	13.21	180	43994	4.411	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	37855	4.436	ug/L	93
69) Naphthalene	14.08	128	64155	3.736	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	34940	4.418	ug/L	98

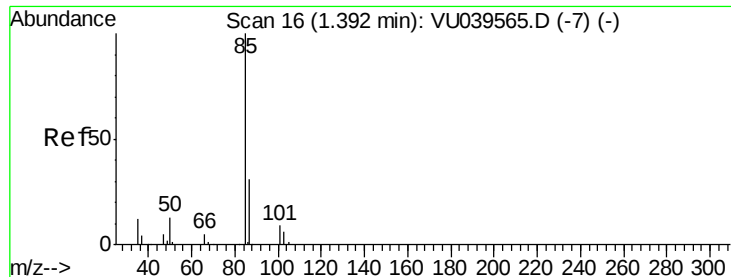
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial  : 1      Sample Multiplier: 1
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#2

Dichlorodifluoromethane

Concen: 4.257 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU039584.D

Acq: 20 Jul 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

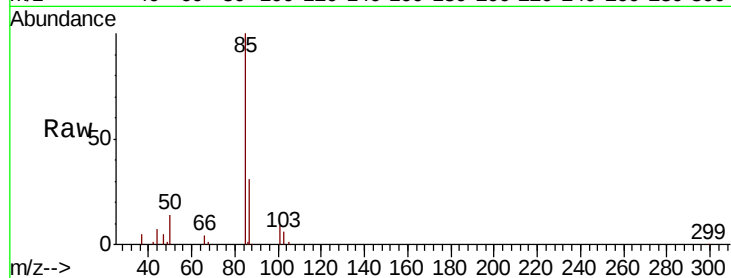
VSTD00528

Tot Ion: 85 Resp: 23385

Ion Ratio Lower Upper

85 100

87 31.7 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039565.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU039565.D (-7) (-)

1.39

25000

20000

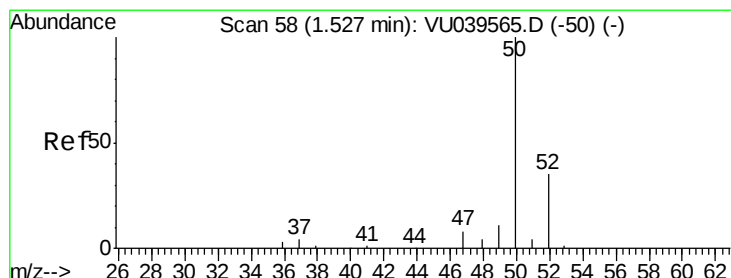
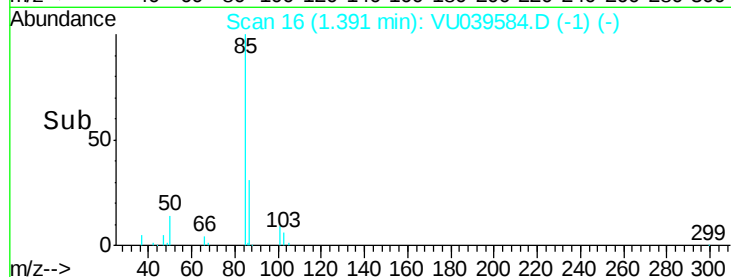
15000

10000

5000

0

Time-->



#3

Chloromethane

Concen: 4.473 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039584.D

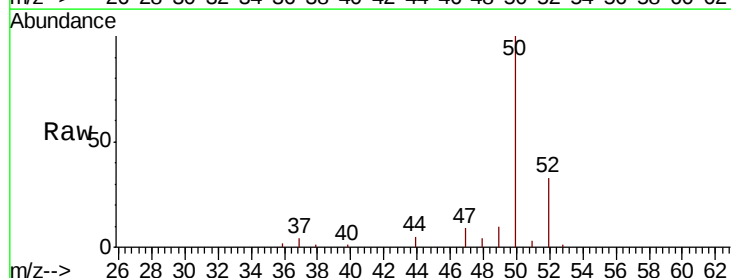
Acq: 20 Jul 2020 20:38

Tgt Ion: 50 Resp: 29772

Ion Ratio Lower Upper

50 100

52 32.6 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU039565.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039565.D (-50) (-)

1.53

30000

25000

20000

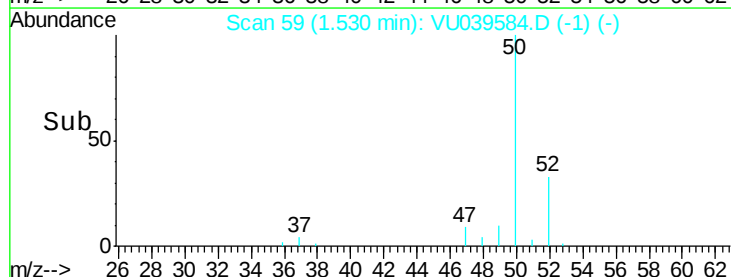
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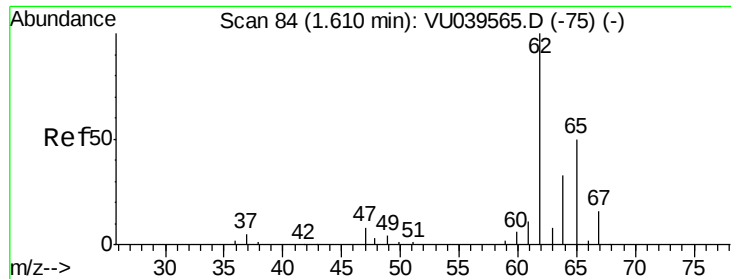
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5000

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Time-->





#5

Vinyl chloride

Concen: 4.076 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039584.D

Acq: 20 Jul 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

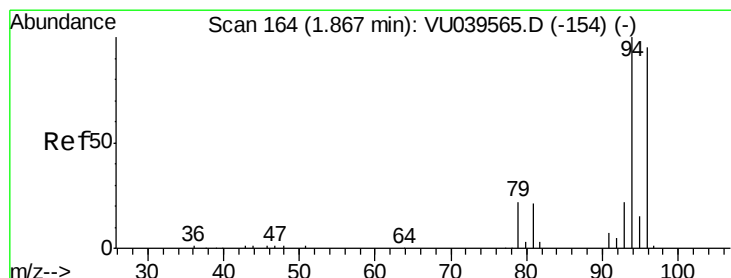
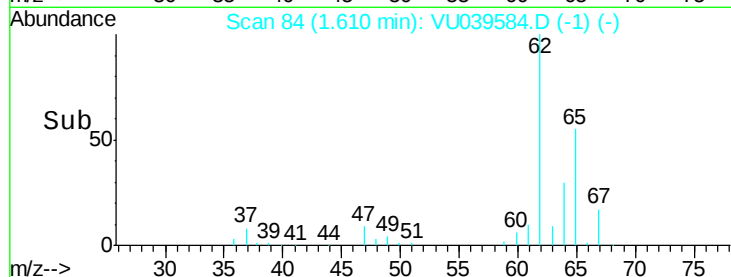
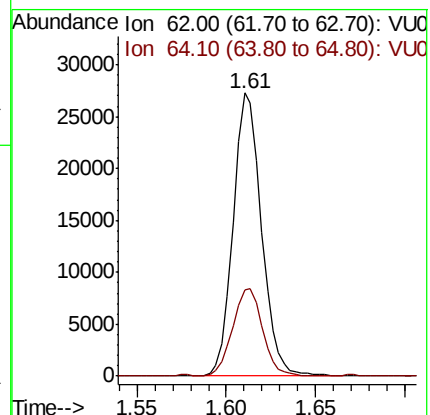
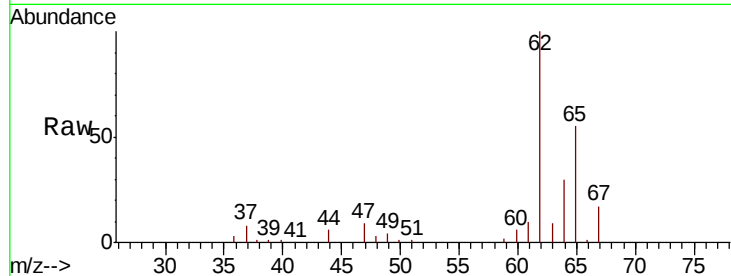
VSTD00528

Tot Ion: 62 Resp: 30122

Ion Ratio Lower Upper

62 100

64 30.4 23.7 44.1



#6

Bromomethane

Concen: 7.625 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU039584.D

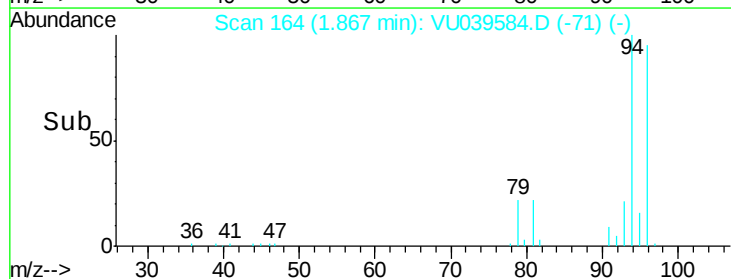
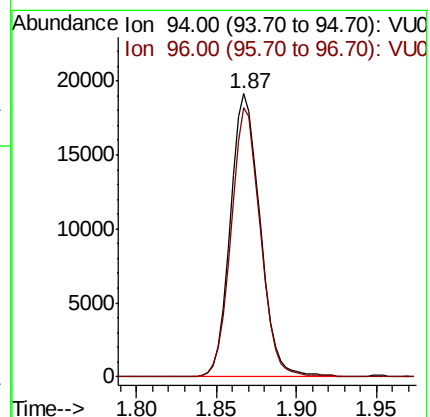
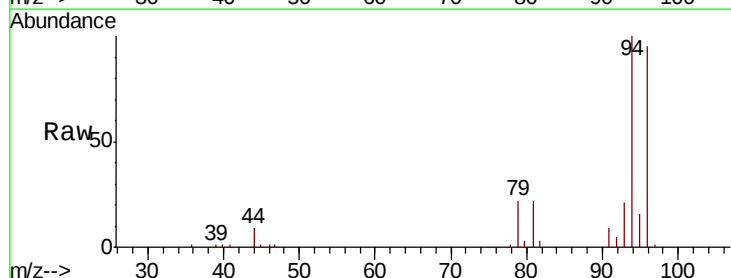
Acq: 20 Jul 2020 20:38

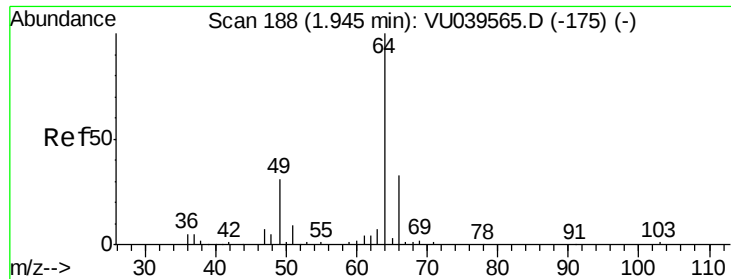
Tgt Ion: 94 Resp: 24270

Ion Ratio Lower Upper

94 100

96 95.1 62.7 116.5





#8

Chloroethane

Concen: 5.488 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU039584.D

Acq: 20 Jul 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

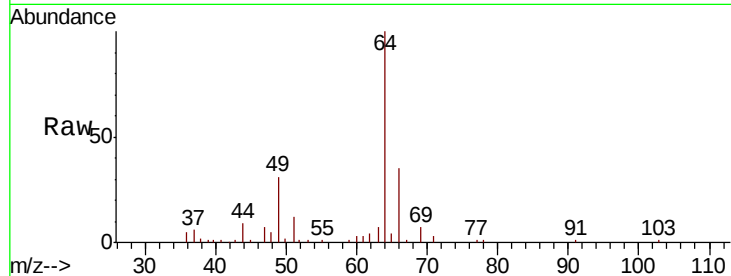
VSTD00528

Tot Ion: 64 Resp: 29305

Ion Ratio Lower Upper

64 100

66 34.5 23.5 43.7



Abundance Ion 64.10 (63.80 to 64.80): VU039584.D (-175) (-)

Ion 66.05 (65.75 to 66.75): VU039584.D (-175) (-)

1.94

25000

20000

15000

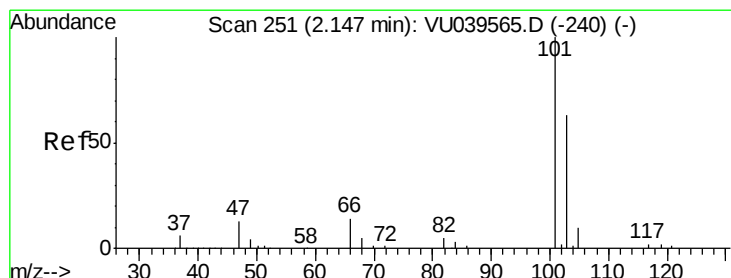
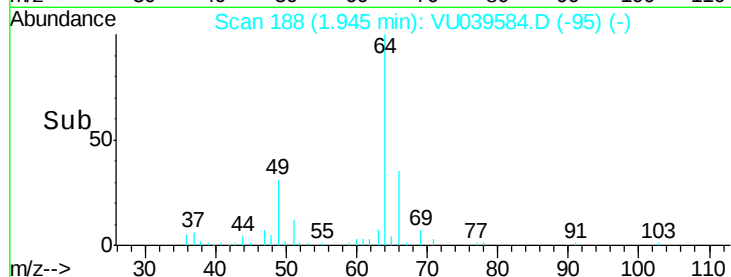
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5000

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Time-->

1.90 1.95 2.00 2.05



#9

Trichlorofluoromethane

Concen: 4.097 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU039584.D

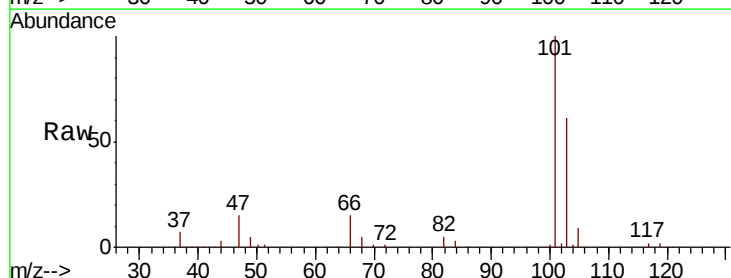
Acq: 20 Jul 2020 20:38

Tgt Ion: 101 Resp: 52583

Ion Ratio Lower Upper

101 100

103 63.5 50.6 76.0



Abundance Ion 101.00 (100.70 to 101.70): VU039584.D (-158) (-)

Ion 103.00 (102.70 to 103.70): VU039584.D (-158) (-)

2.15

40000

30000

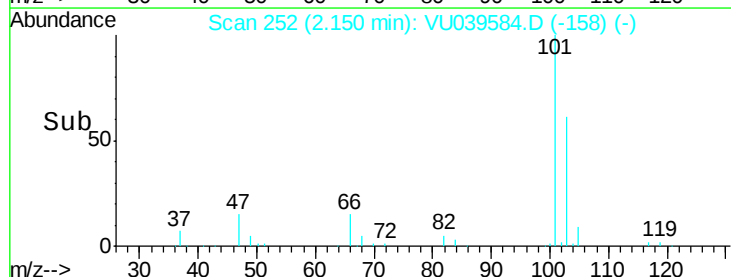
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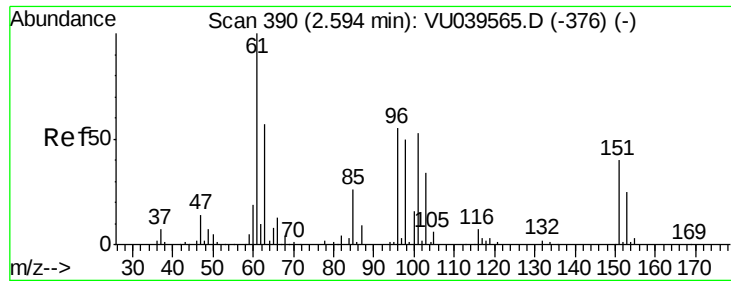
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Time-->

2.10 2.15 2.20





#10

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

Concen: 4.287 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU039584.D

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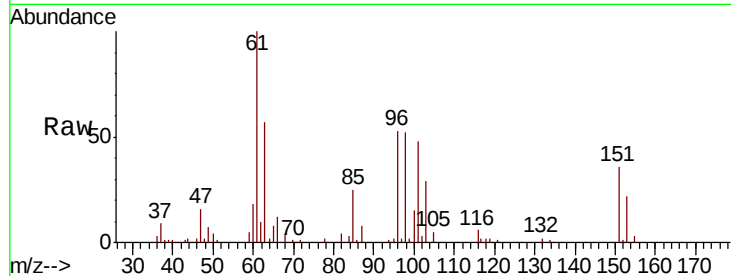
Tot Ion:101 Resp: 22574

Ion Ratio Lower Upper

101 100

85 51.2 38.9 58.3

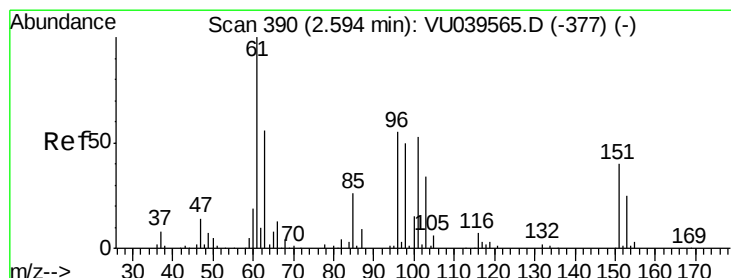
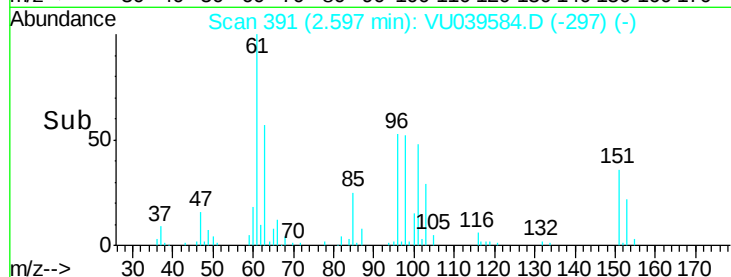
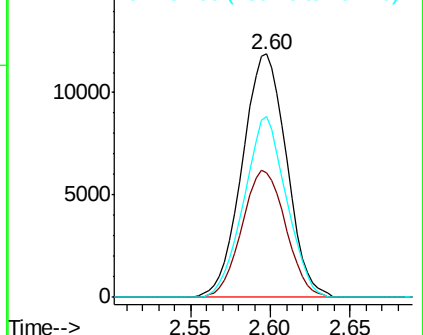
151 71.1 57.0 85.4



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: 4.054 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039584.D

Acq: 20 Jul 2020 20:38

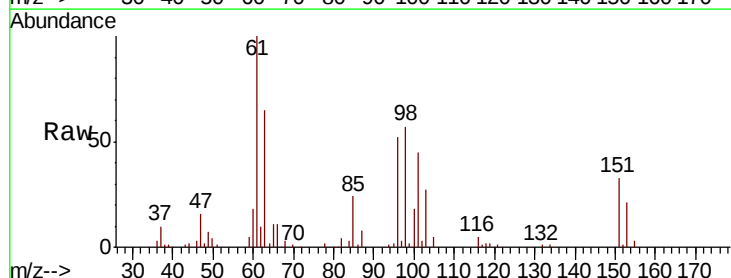
Tgt Ion: 96 Resp: 21853

Ion Ratio Lower Upper

96 100

61 193.3 125.4 232.8

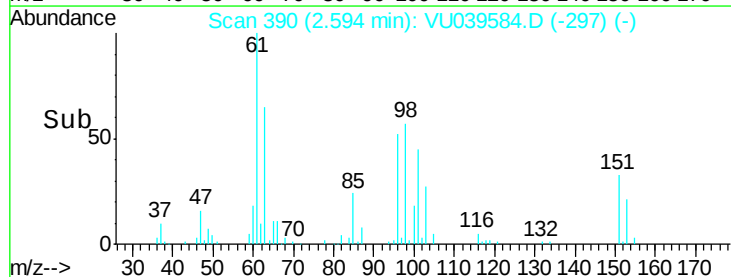
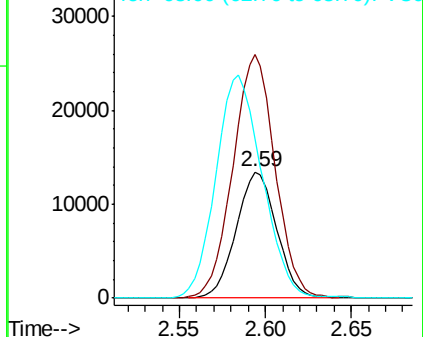
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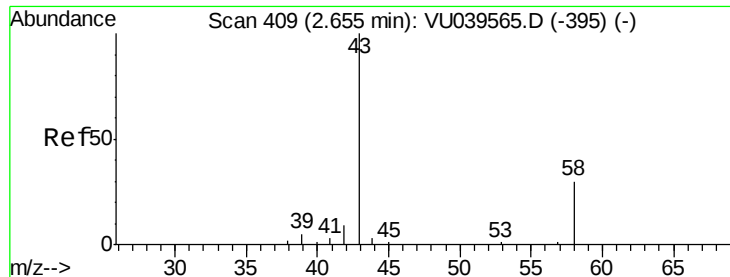


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 45.186 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU039584.D

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ClientSampleId :

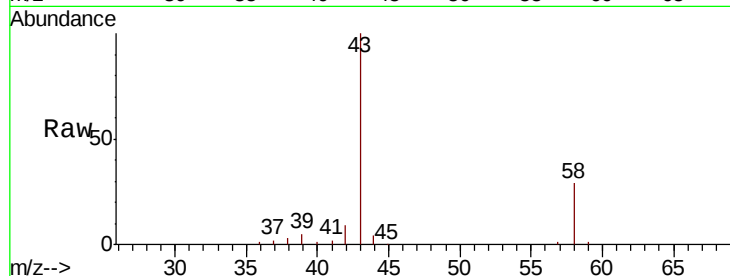
VSTD00528

Tot Ion: 43 Resp: 58625

Ion Ratio Lower Upper

43 100

58 29.7 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039565.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU039565.D (-395) (-)

2.66

25000

20000

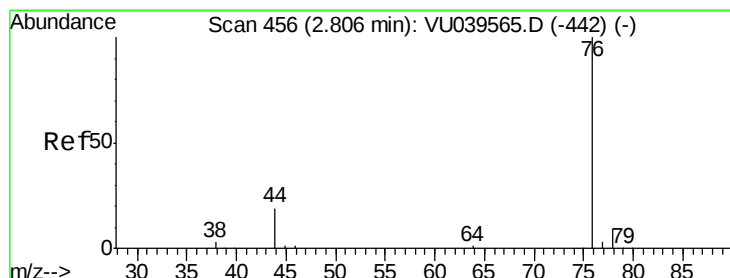
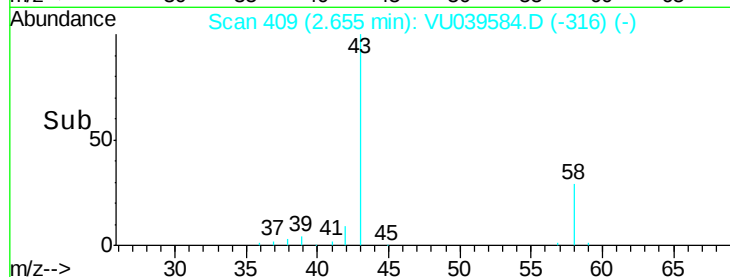
15000

10000

5000

0

Time-->



#14

Carbon disulfide

Concen: 3.618 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU039584.D

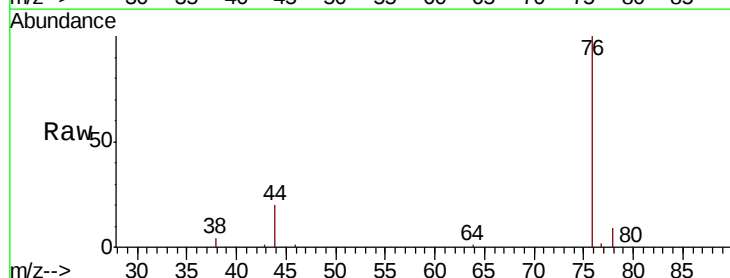
Acq: 20 Jul 2020 20:38

Tgt Ion: 76 Resp: 68698

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VU039565.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU039565.D (-442) (-)

2.81

40000

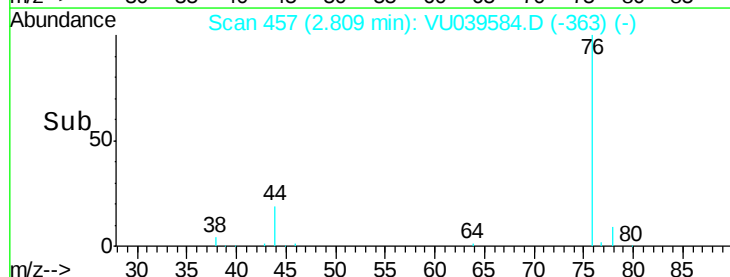
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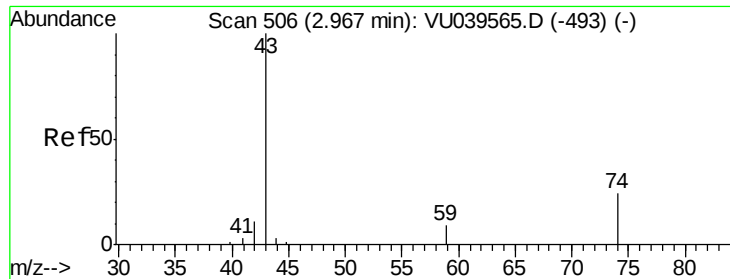
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0

Time-->

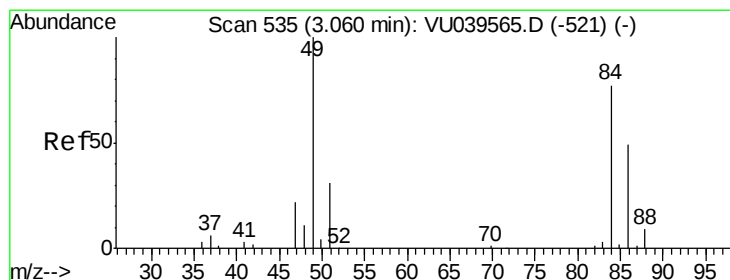
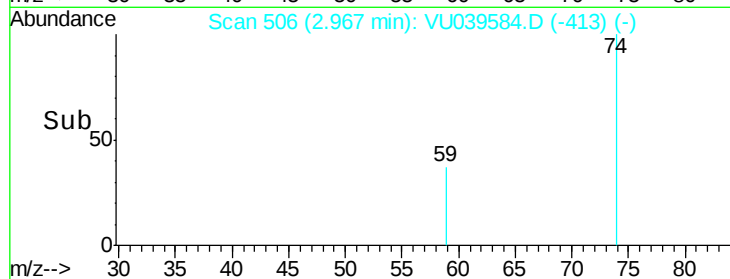
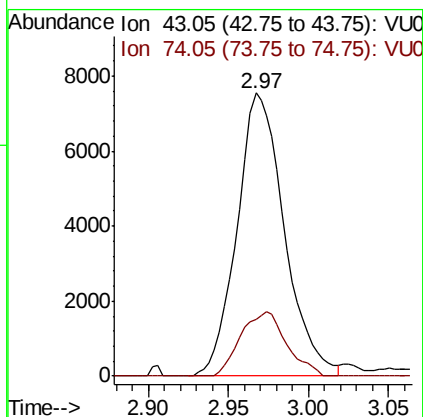
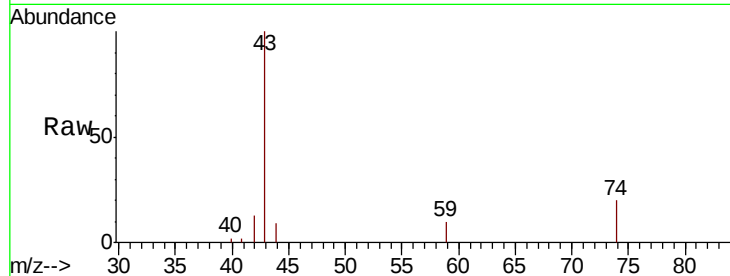




#15
Methvl Acetate
Concen: 4.455 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.00 min
Lab File: VU039584.D
Acq: 20 Jul 2020 20:38

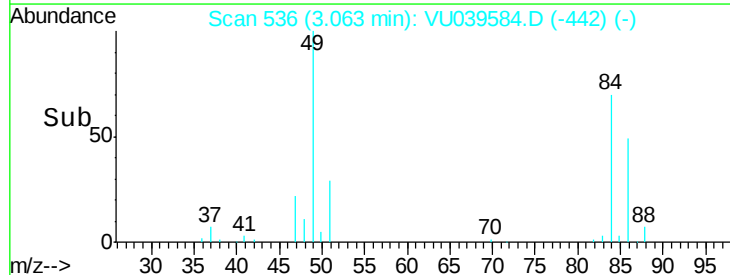
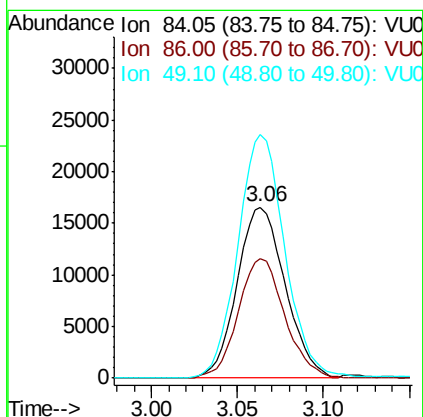
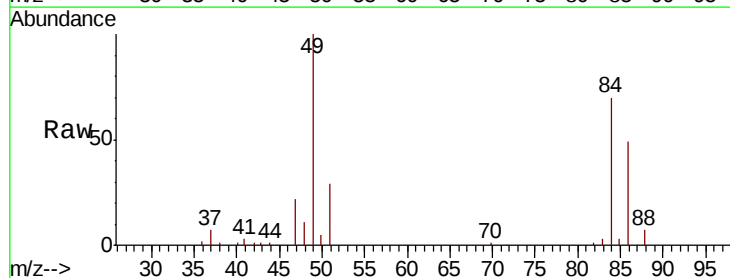
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

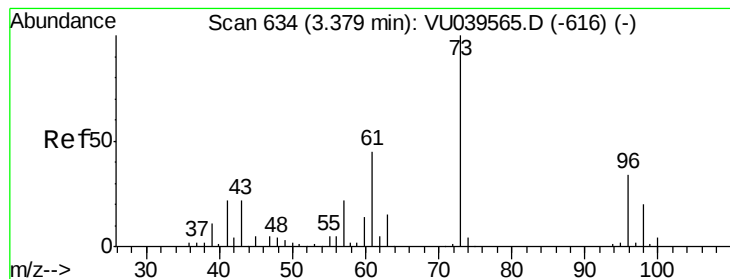
Tot Ion: 43 Resp: 15266
Ion Ratio Lower Upper
43 100
74 22.1 18.7 28.1



#16
Methylene chloride
Concen: 4.739 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039584.D
Acq: 20 Jul 2020 20:38

Tgt Ion: 84 Resp: 32132
Ion Ratio Lower Upper
84 100
86 70.2 43.5 80.9
49 142.4 91.1 169.1





#17

Methvl tert-butvl Ether

Concen: 4.790 ug/L

RT: 3.38 min Scan# 636

Delta R.T. 0.01 min

Lab File: VU039584.D

Acq: 20 Jul 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

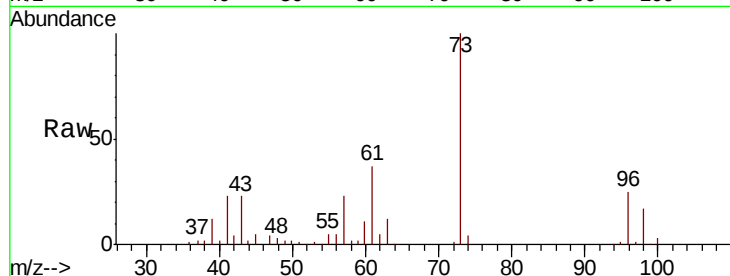
Tot Ion: 73 Resp: 81353

Ion Ratio Lower Upper

73 100

43 23.2 18.6 28.0

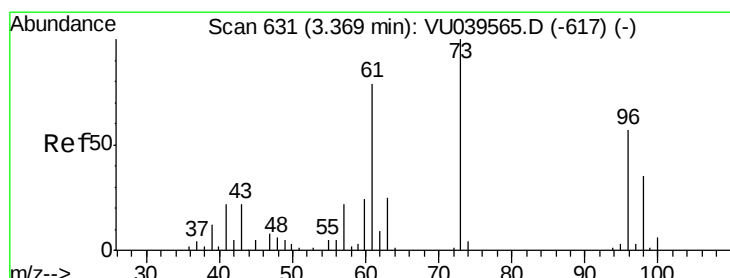
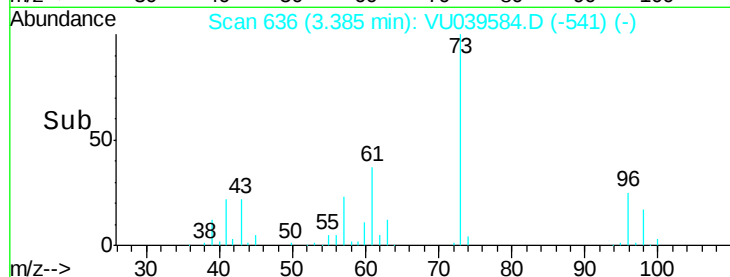
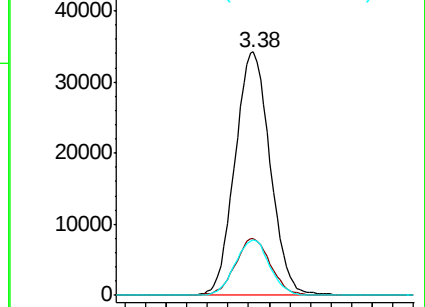
57 22.4 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU039565.D (-616) (-)

Ion 43.05 (42.75 to 43.75): VU039565.D (-616) (-)

Ion 57.10 (56.80 to 57.80): VU039565.D (-616) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.501 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU039584.D

Acq: 20 Jul 2020 20:38

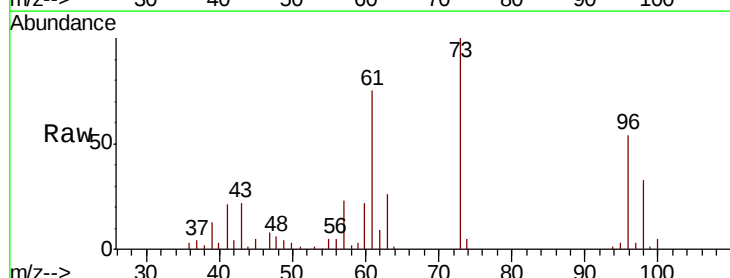
Tgt Ion: 96 Resp: 26858

Ion Ratio Lower Upper

96 100

61 139.3 102.1 189.5

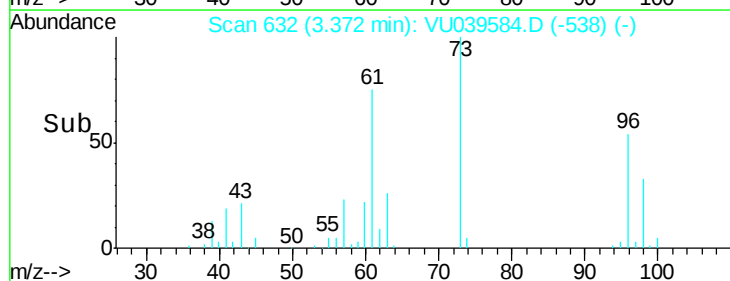
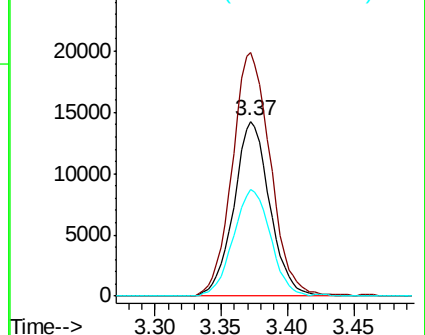
98 60.8 42.5 78.9

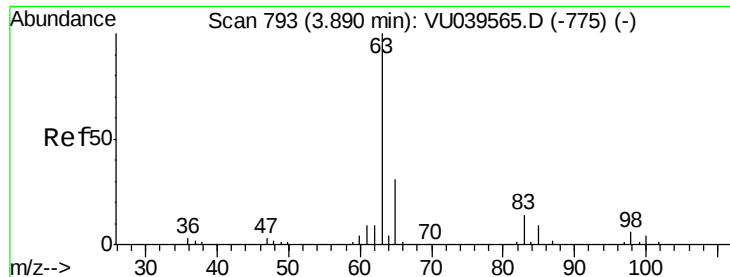


Abundance Ion 96.00 (95.70 to 96.70): VU039565.D (-617) (-)

Ion 61.05 (60.75 to 61.75): VU039565.D (-617) (-)

Ion 97.95 (97.65 to 98.65): VU039565.D (-617) (-)

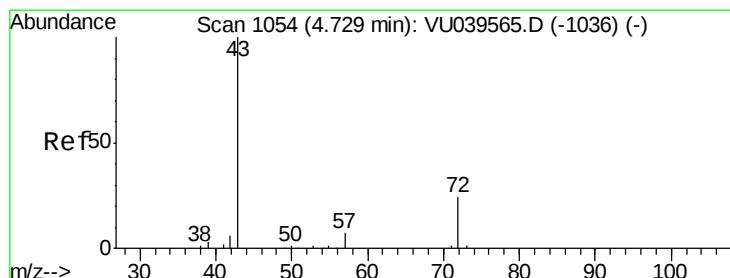
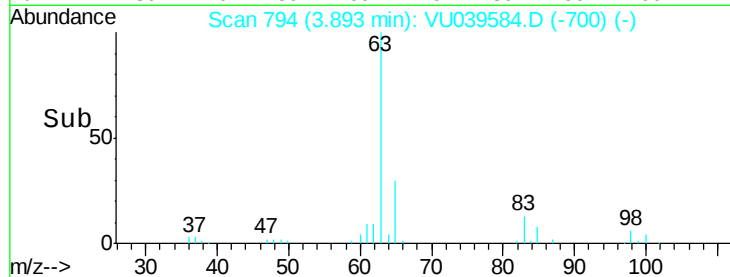
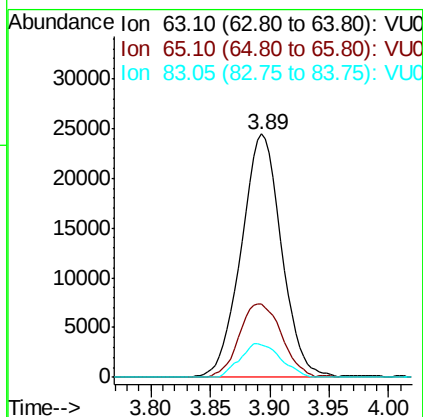
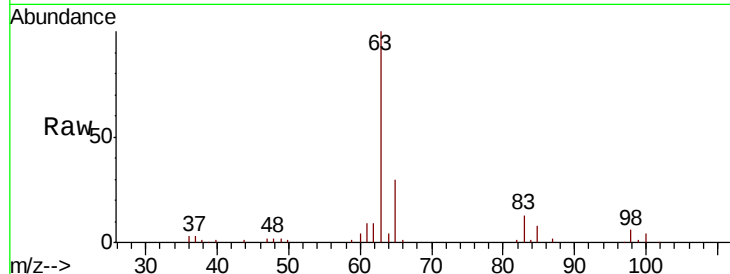




#19
 1,1-Dichloroethane
 Concen: 4.909 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VU039584.D
 Acq: 20 Jul 2020 20:38

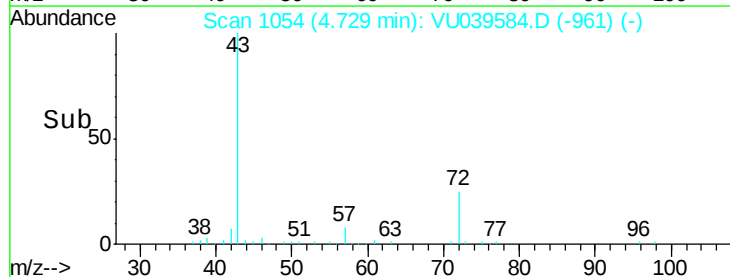
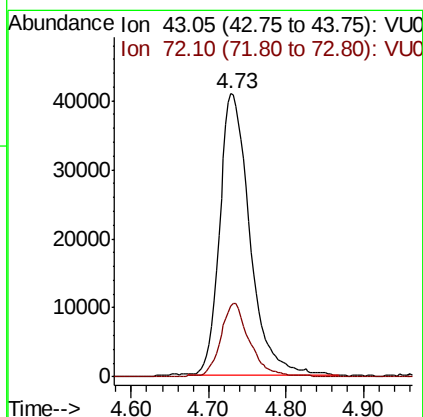
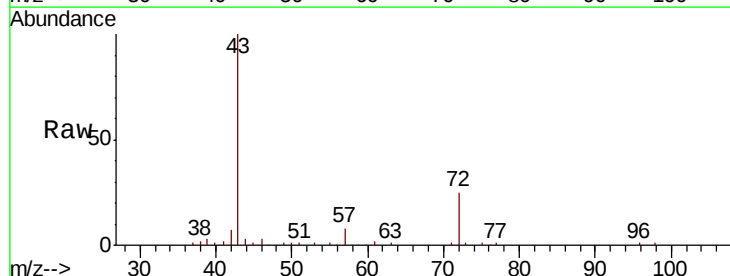
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

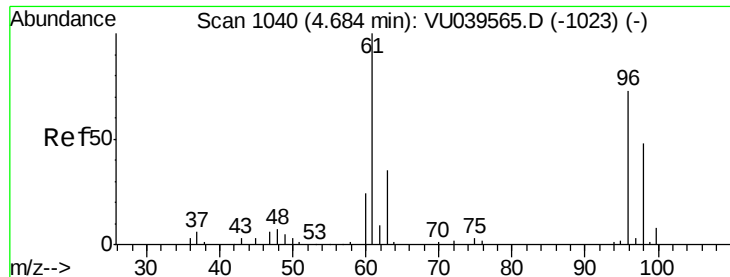
Tot Ion: 63 Resp: 57316
 Ion Ratio Lower Upper
 63 100
 65 29.9 23.0 42.6
 83 13.4 9.6 17.8



#21
 2-Butanone
 Concen: 48.097 ug/L
 RT: 4.73 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VU039584.D
 Acq: 20 Jul 2020 20:38

Tgt Ion: 43 Resp: 111379
 Ion Ratio Lower Upper
 43 100
 72 25.0 13.2 39.5





#22

cis-1,2-Dichloroethene

Concen: 4.758 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU039584.D

Acq: 20 Jul 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

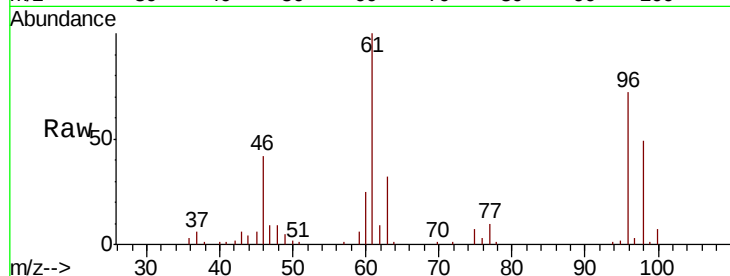
Tot Ion: 96 Resp: 31837

Ion Ratio Lower Upper

96 100

61 139.7 92.8 172.4

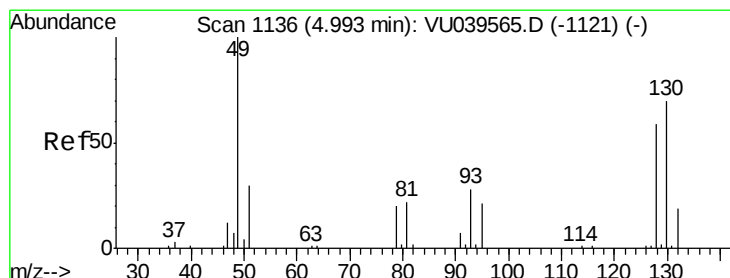
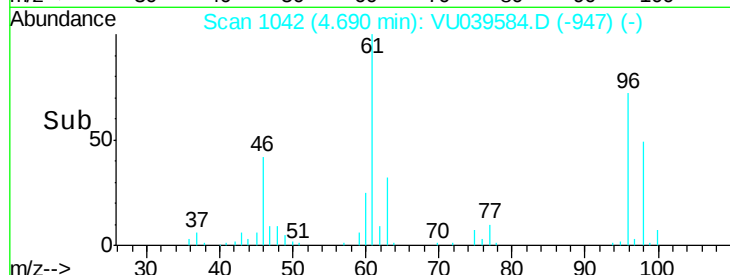
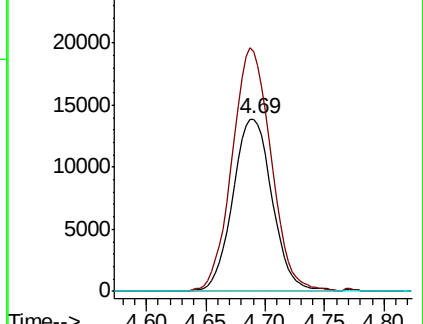
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039584.D (-1042) (-)

Ion 61.05 (60.75 to 61.75): VU039584.D (-1042) (-)

Ion 68.15 (67.85 to 68.85): VU039584.D (-1042) (-)



#23

Bromochloromethane

Concen: 5.075 ug/L

RT: 5.00 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VU039584.D

Acq: 20 Jul 2020 20:38

Tgt Ion:128 Resp: 15428

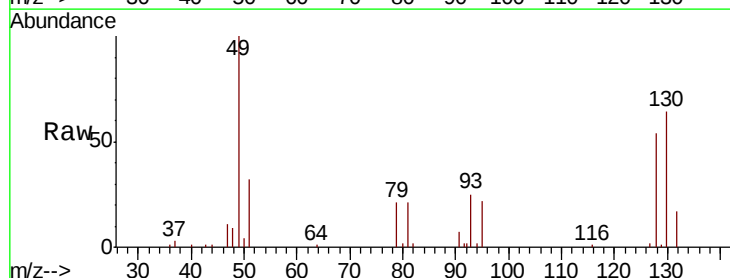
Ion Ratio Lower Upper

128 100

49 184.2 128.5 238.7

130 118.3 91.5 169.9

51 59.6 47.0 70.6

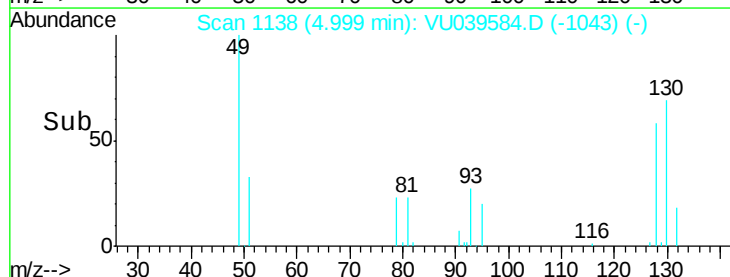
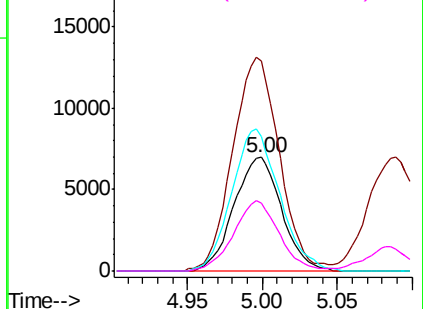


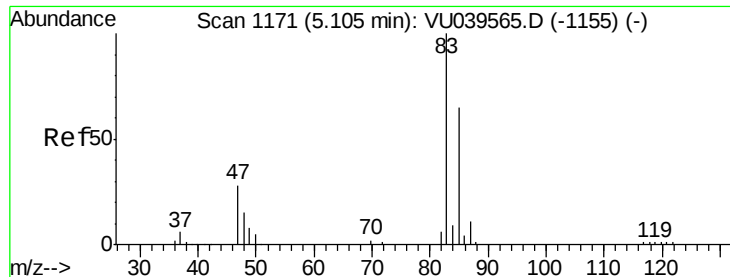
Abundance Ion 127.90 (127.60 to 128.60): VU039584.D (-1138) (-)

Ion 49.10 (48.80 to 49.80): VU039584.D (-1138) (-)

Ion 129.95 (129.65 to 130.65): VU039584.D (-1138) (-)

Ion 51.05 (50.75 to 51.75): VU039584.D (-1138) (-)

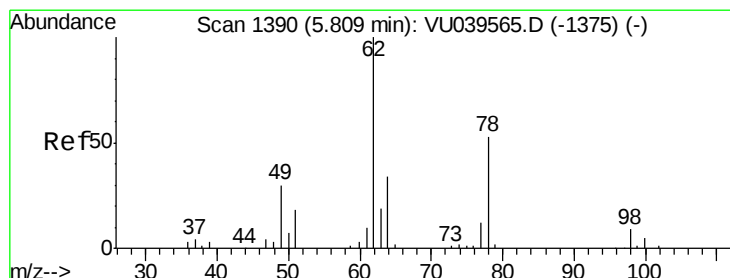
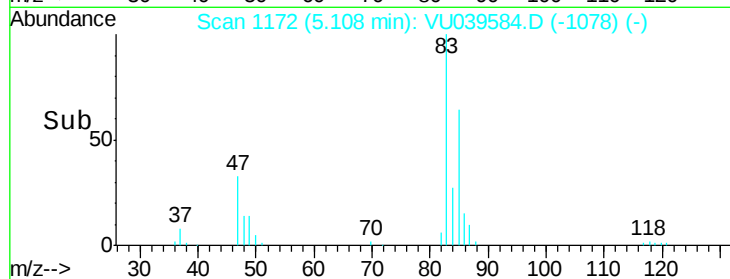
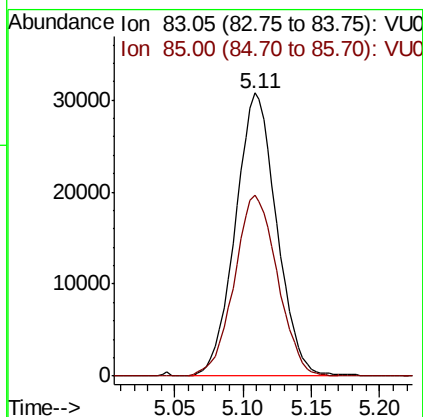
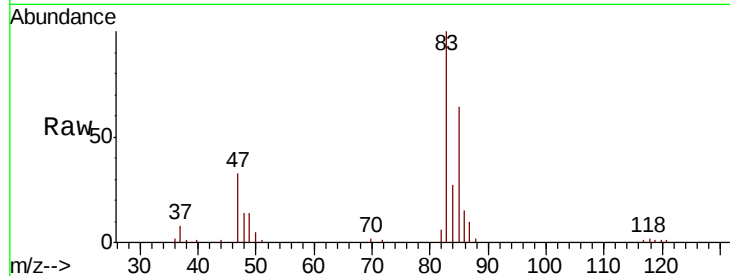




#25
Chloroform
Concen: 5.479 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039584.D
Acq: 20 Jul 2020 20:38

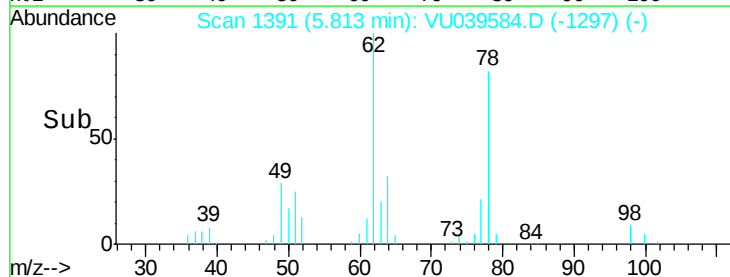
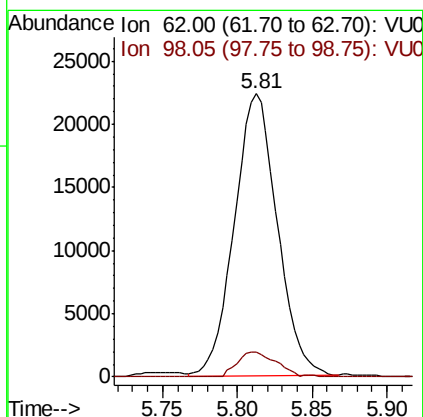
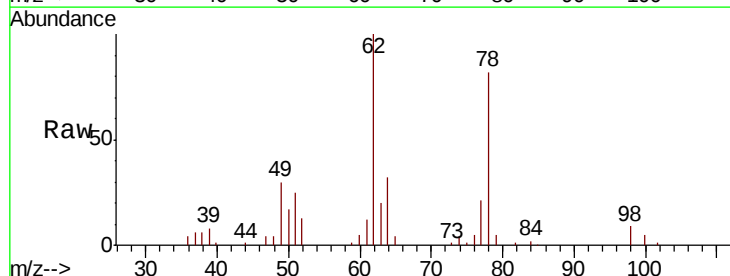
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

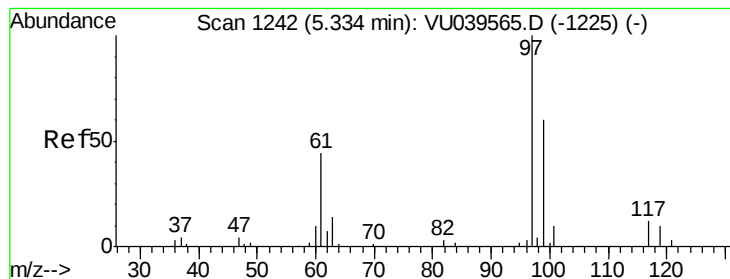
Tot Ion: 83 Resp: 64605
Ion Ratio Lower Upper
83 100
85 63.7 44.9 83.5



#27
1,2-Dichloroethane
Concen: 5.220 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039584.D
Acq: 20 Jul 2020 20:38

Tgt Ion: 62 Resp: 44521
Ion Ratio Lower Upper
62 100
98 8.6 6.3 9.5





#29

1,1,1-Trichloroethane

Concen: 4.849 ug/L

RT: 5.34 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VU039584.D

Acq: 20 Jul 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

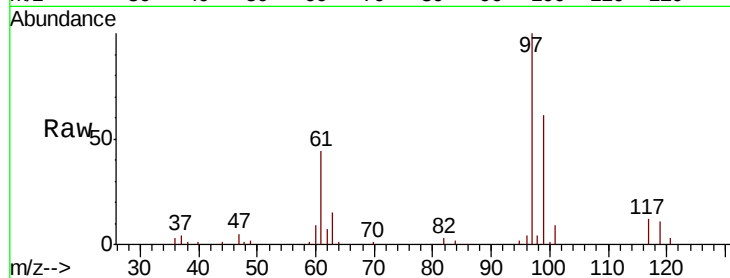
Tot Ion: 97 Resp: 50160

Ion Ratio Lower Upper

97 100

99 63.4 52.6 79.0

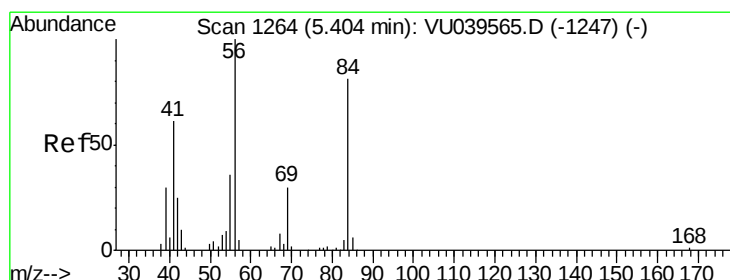
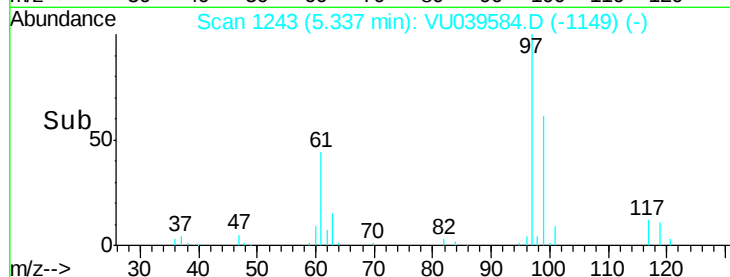
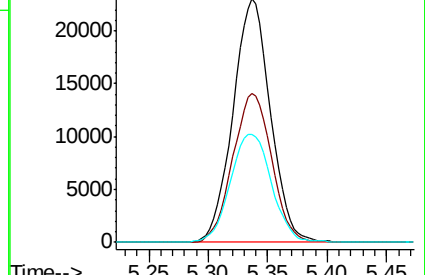
61 48.7 37.9 56.9



Abundance Ion 96.95 (96.65 to 97.65): VU039565.D (-1225) (-)

Ion 99.05 (98.75 to 99.75): VU039565.D (-1225) (-)

Ion 61.05 (60.75 to 61.75): VU039565.D (-1225) (-)



#30

Cyclohexane

Concen: 3.738 ug/L

RT: 5.41 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VU039584.D

Acq: 20 Jul 2020 20:38

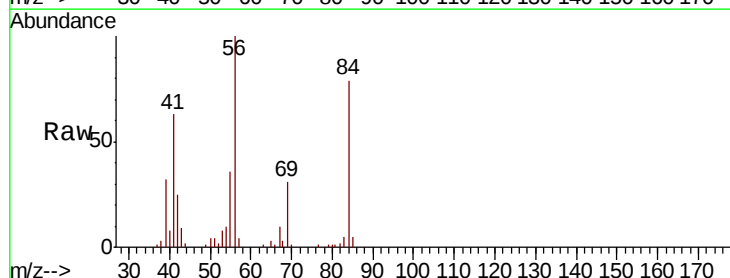
Tgt Ion: 56 Resp: 40703

Ion Ratio Lower Upper

56 100

69 29.7 24.1 36.1

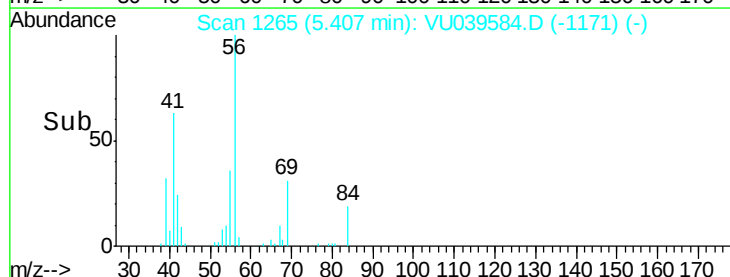
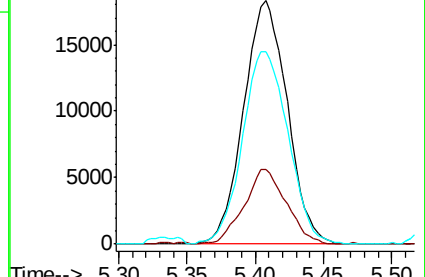
84 82.8 67.0 100.6

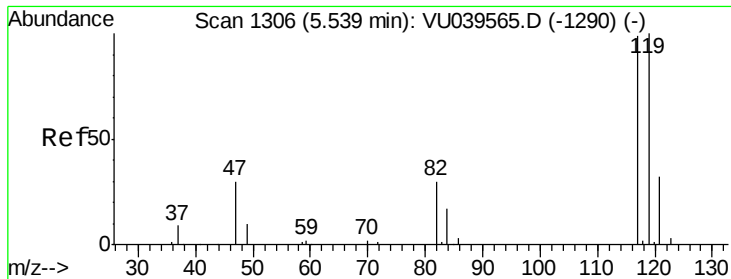


Abundance Ion 56.10 (55.80 to 56.80): VU039565.D (-1247) (-)

Ion 69.15 (68.85 to 69.85): VU039565.D (-1247) (-)

Ion 84.15 (83.85 to 84.85): VU039565.D (-1247) (-)





#31

Carbon tetrachloride

Concen: 4.472 ug/L

RT: 5.55 min Scan# 1308

Delta R.T. 0.01 min

Lab File: VU039584.D

Acq: 20 Jul 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

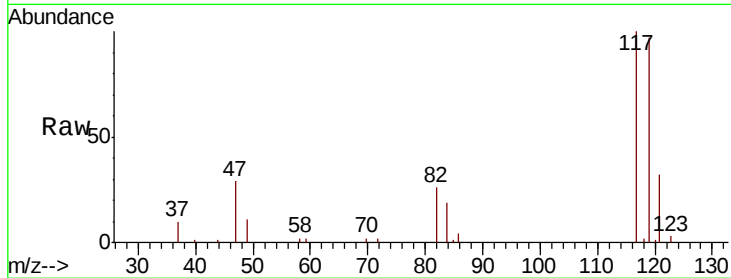
VSTD00528

Tot Ion:117 Resp: 39466

Ion Ratio Lower Upper

117 100

119 96.8 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.55

20000

15000

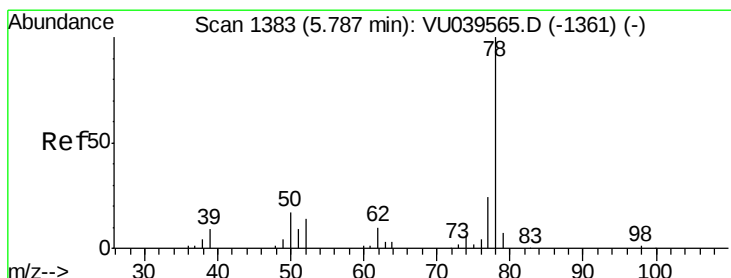
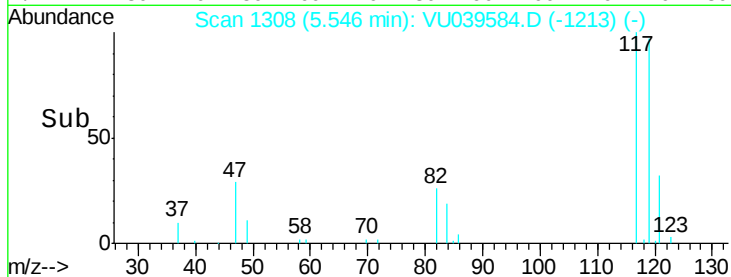
10000

5000

0

Time-->

5.45 5.50 5.55 5.60



#33

Benzene

Concen: 4.620 ug/L

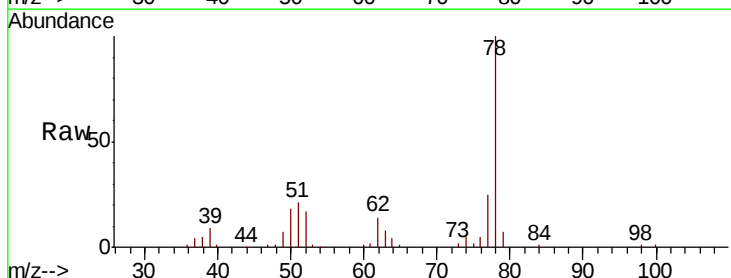
RT: 5.79 min Scan# 1385

Delta R.T. 0.01 min

Lab File: VU039584.D

Acq: 20 Jul 2020 20:38

Tgt Ion: 78 Resp: 121317



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.79

60000

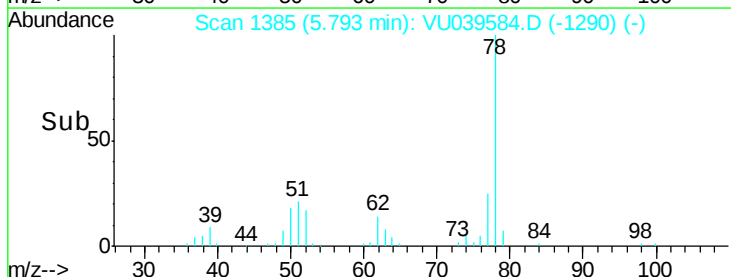
40000

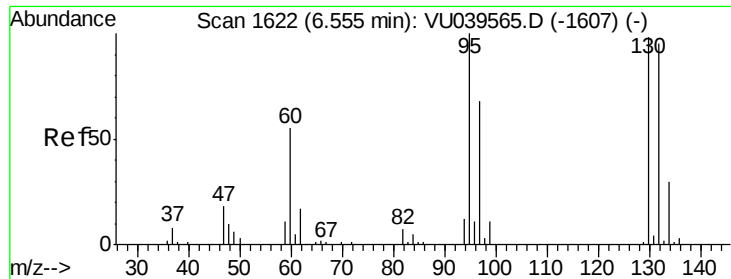
20000

0

Time-->

5.70 5.80 5.90

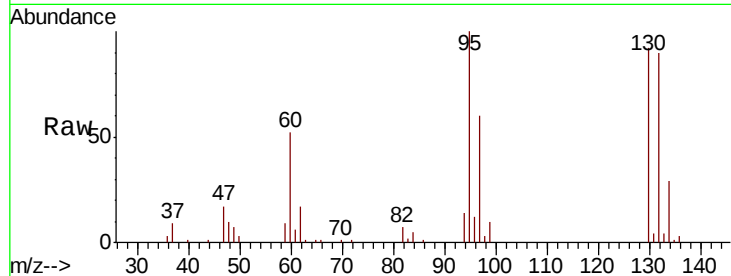




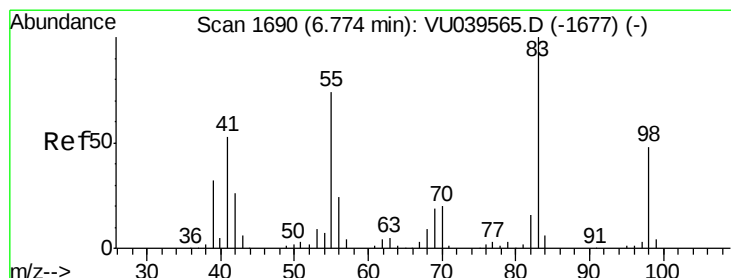
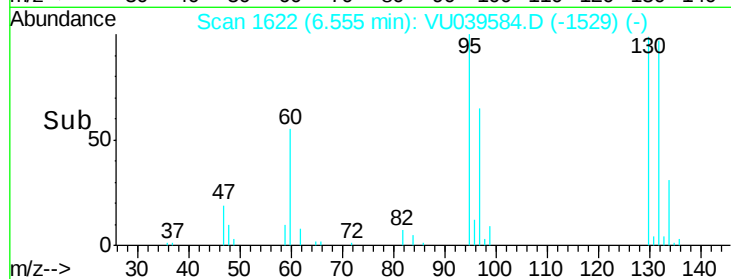
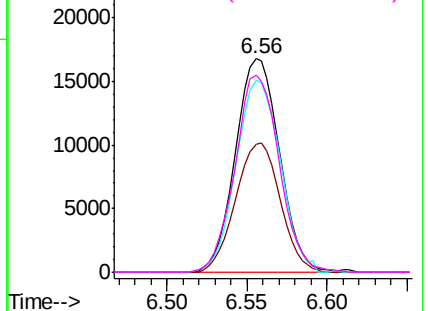
#34
 Trichloroethene
 Concen: 4.657 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. -0.00 min
 Lab File: VU039584.D
 Acq: 20 Jul 2020 20:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tot Ion: 95 Resp: 31614
 Ion Ratio Lower Upper
 95 100
 97 60.1 46.3 85.9
 132 90.0 64.0 118.8
 130 92.4 64.3 119.5

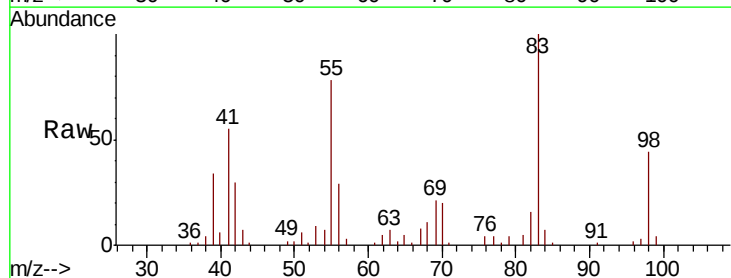


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

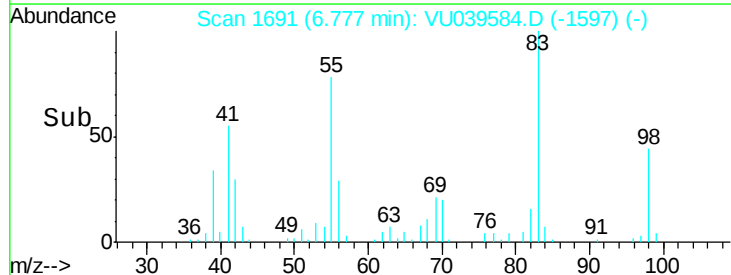
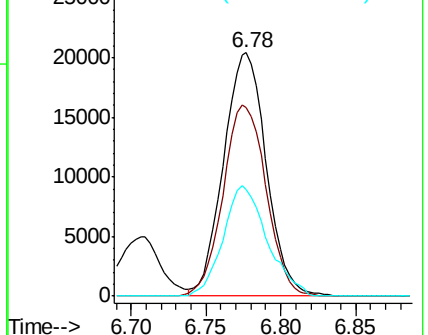


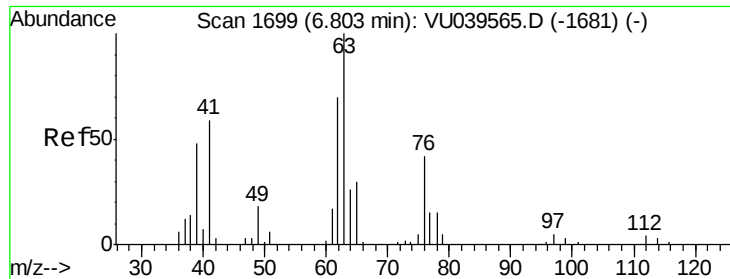
#35
 Methylcyclohexane
 Concen: 3.737 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: VU039584.D
 Acq: 20 Jul 2020 20:38

Tgt Ion: 83 Resp: 40638
 Ion Ratio Lower Upper
 83 100
 55 79.2 62.1 93.1
 98 46.6 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

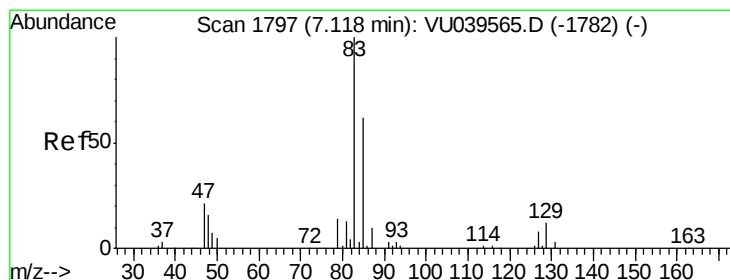
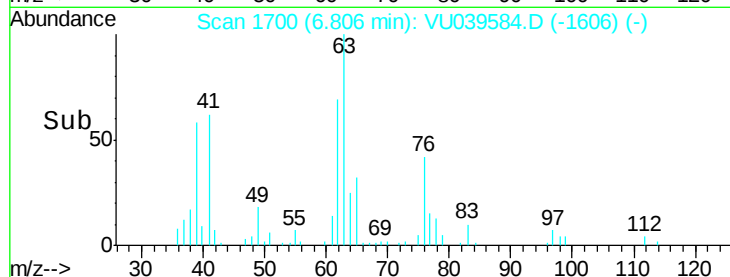
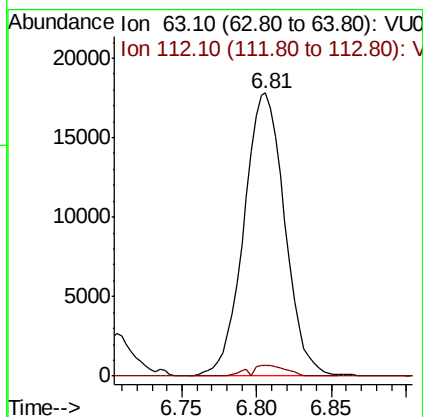
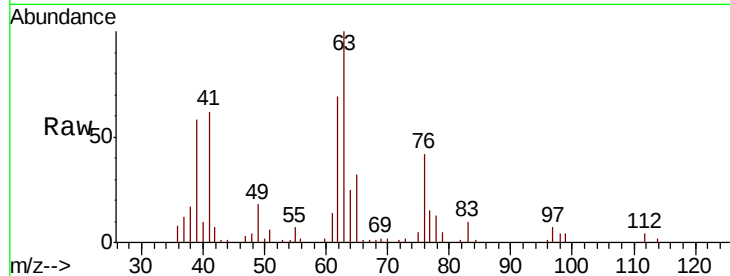




#37
 1,2-Dichloropropane
 Concen: 4.732 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU039584.D
 Acq: 20 Jul 2020 20:38

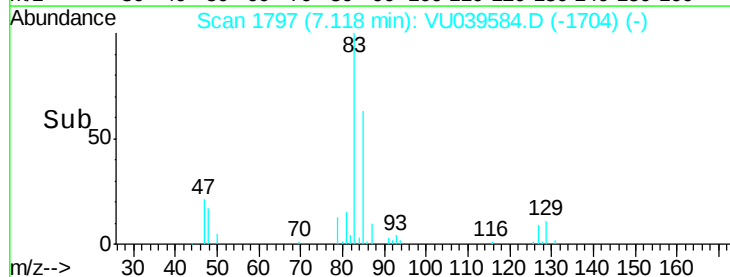
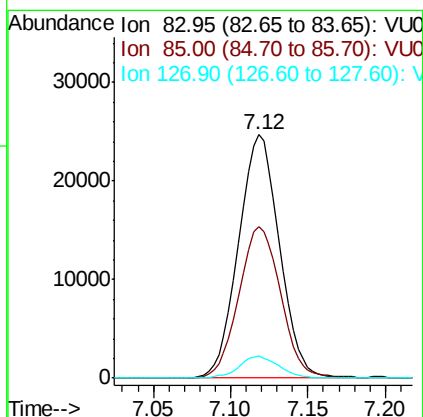
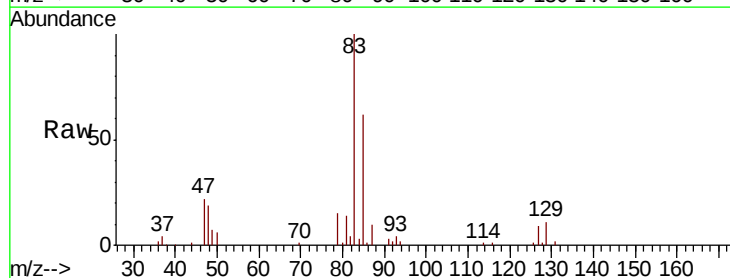
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

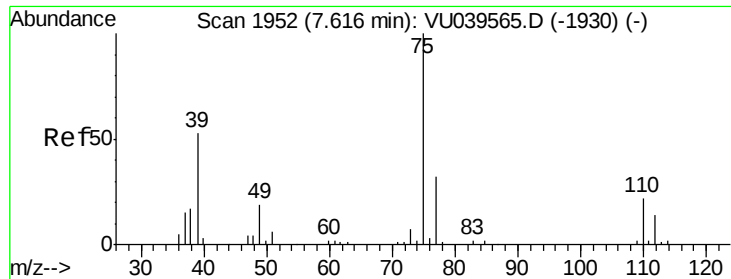
Tot Ion: 63 Resp: 33872
 Ion Ratio Lower Upper
 63 100
 112 2.8 2.5 3.7



#38
 Bromodichloromethane
 Concen: 4.973 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU039584.D
 Acq: 20 Jul 2020 20:38

Tgt Ion: 83 Resp: 45458
 Ion Ratio Lower Upper
 83 100
 85 62.4 44.0 81.6
 127 8.9 6.2 9.4

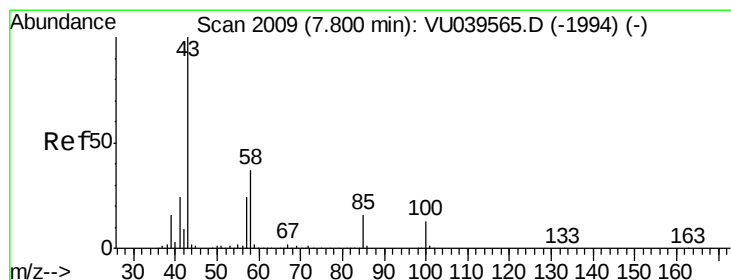
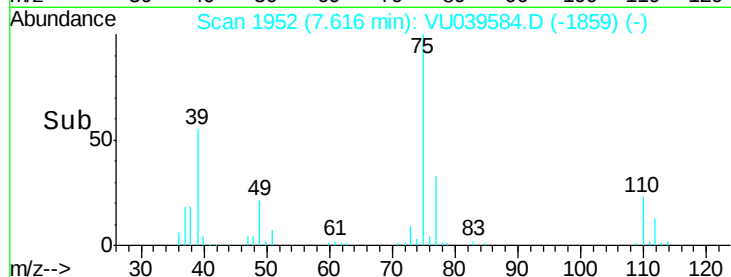
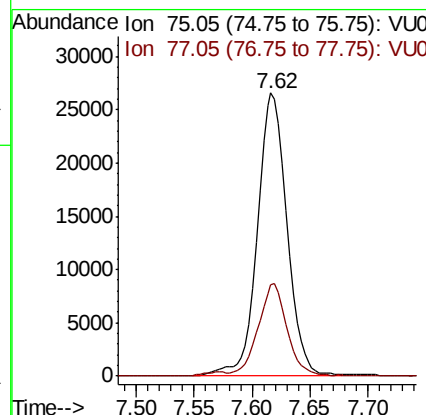
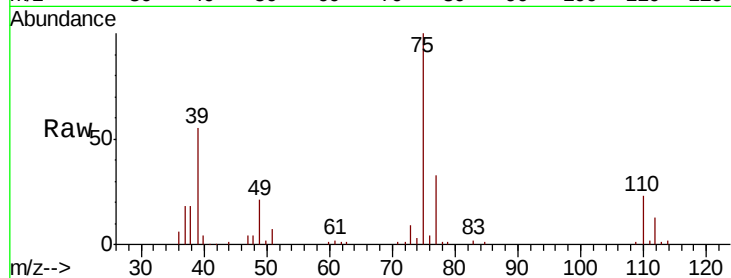




#39
 cis-1,3-Dichloropropene
 Concen: 4.403 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039584.D
 Acq: 20 Jul 2020 20:38

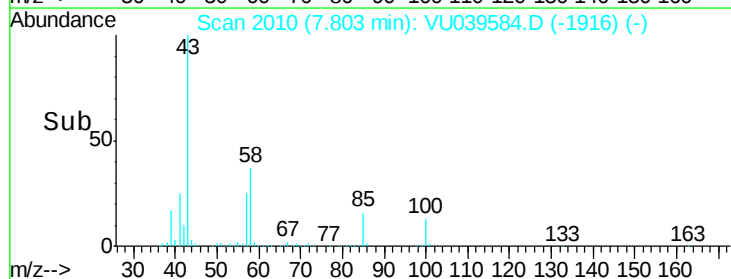
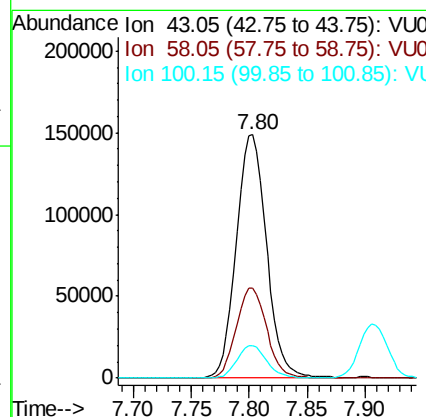
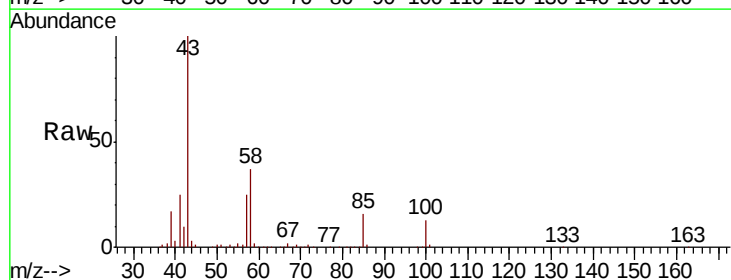
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

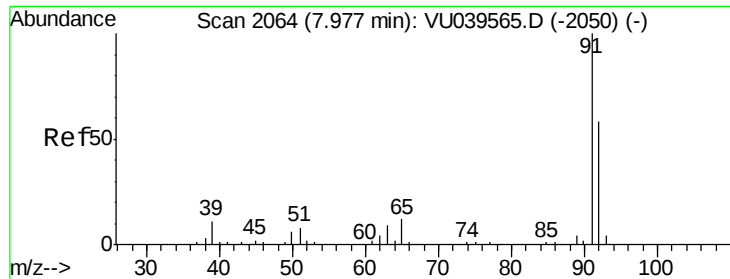
Tot Ion: 75 Resp: 47637
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 44.978 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039584.D
 Acq: 20 Jul 2020 20:38

Tgt Ion: 43 Resp: 268567
 Ion Ratio Lower Upper
 43 100
 58 37.3 30.5 45.7
 100 13.2 10.3 15.5





#42

Toluene

Concen: 4.506 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU039584.D

Acq: 20 Jul 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

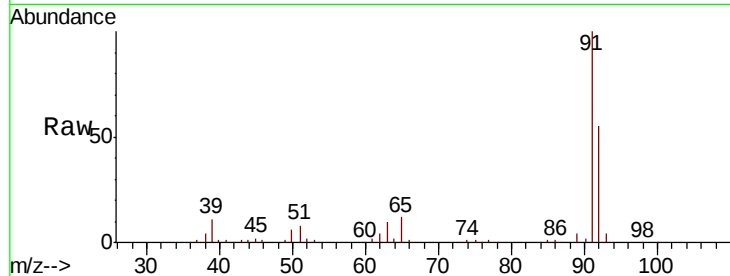
VSTD00528

Tot Ion: 91 Resp: 126684

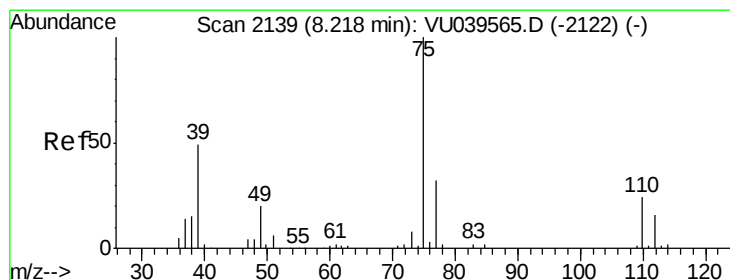
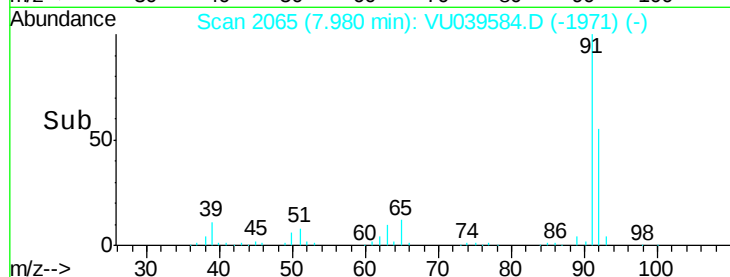
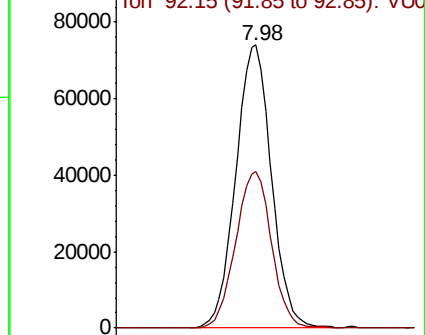
Ion Ratio Lower Upper

91 100

92 55.2 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU039565.D (-2050) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.516 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039584.D

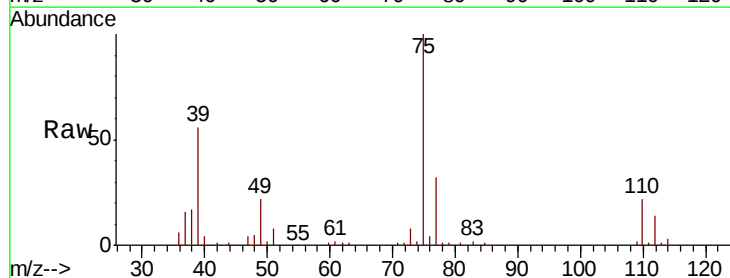
Acq: 20 Jul 2020 20:38

Tgt Ion: 75 Resp: 43356

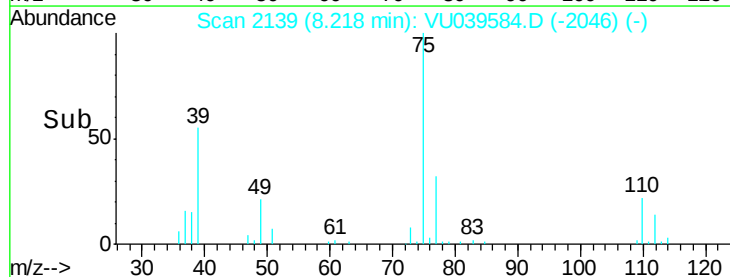
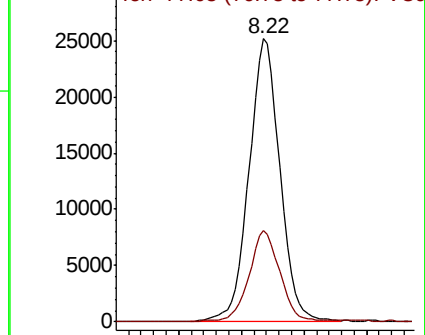
Ion Ratio Lower Upper

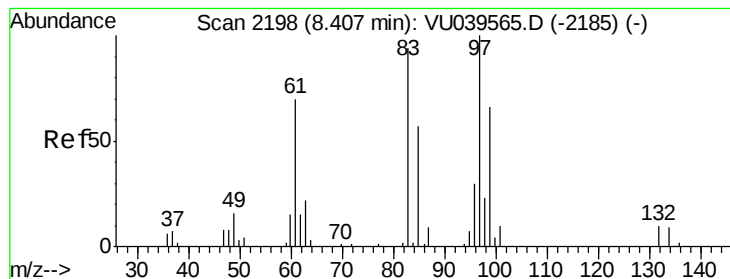
75 100

77 32.4 23.7 43.9



Abundance Ion 75.05 (74.75 to 75.75): VU039565.D (-2122) (-)





#45

1,1,2-Trichloroethane

Concen: 5.000 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU039584.D

Acq: 20 Jul 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

Tot Ion: 97 Resp: 25706

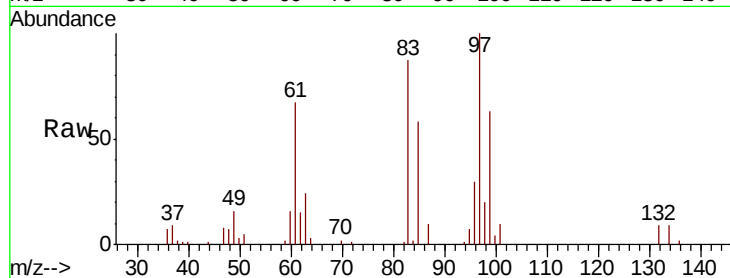
Ion Ratio Lower Upper

97 100

99 63.4 40.7 75.7

83 87.3 60.6 112.6

85 57.6 38.3 71.1

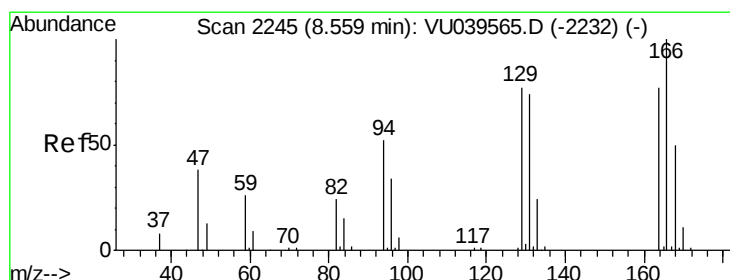
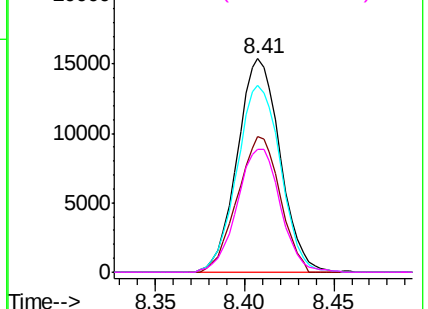
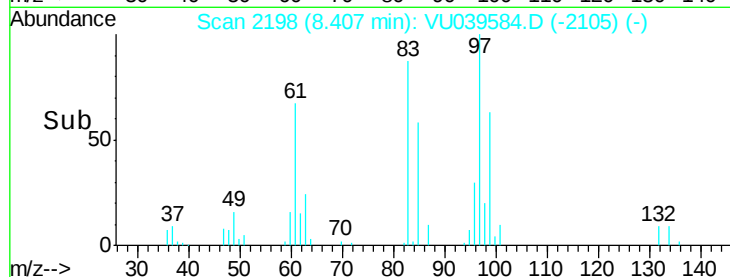


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.510 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU039584.D

Acq: 20 Jul 2020 20:38

Tgt Ion: 164 Resp: 21297

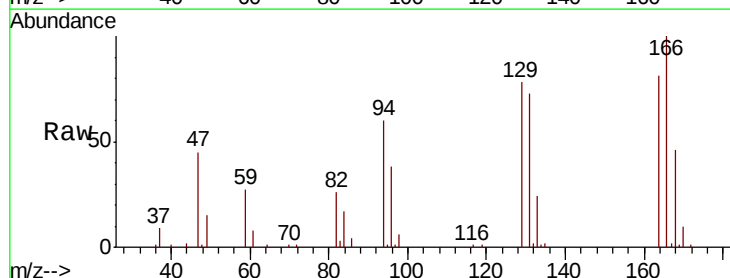
Ion Ratio Lower Upper

164 100

129 96.3 68.6 127.4

131 91.2 66.4 123.4

166 124.2 85.9 159.5

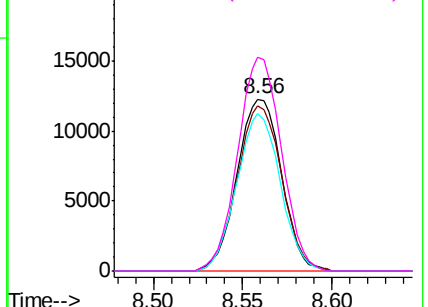
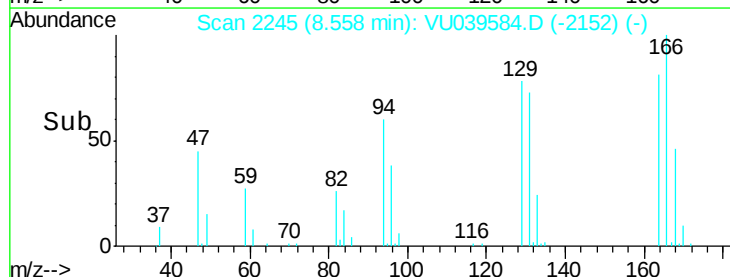


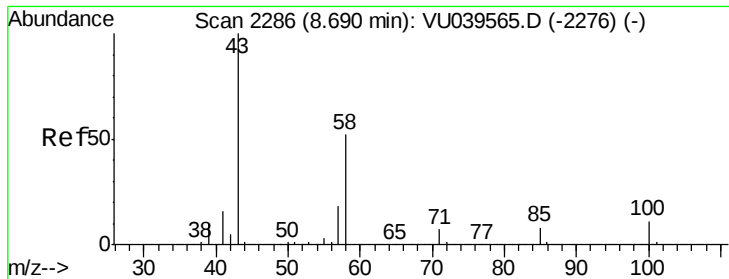
Abundance Ion 163.90 (163.60 to 164.60): V

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

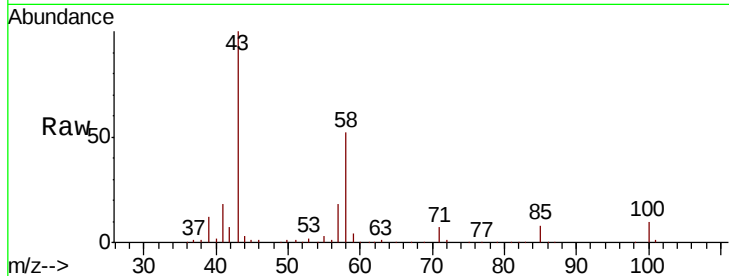




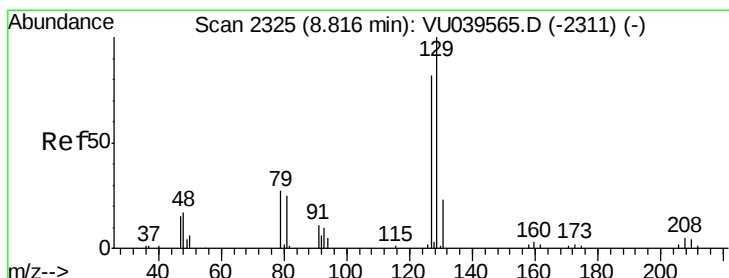
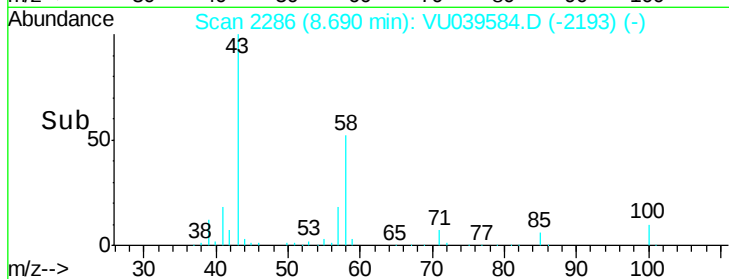
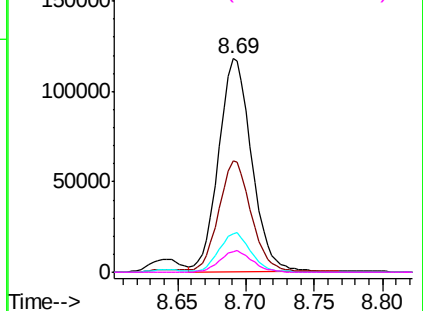
#48
2-Hexanone
Concen: 45.090 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039584.D
Acq: 20 Jul 2020 20:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Tot Ion: 43 Resp: 198520
Ion Ratio Lower Upper
43 100
58 51.3 42.0 63.0
57 18.0 14.0 21.0
100 10.0 8.2 12.2

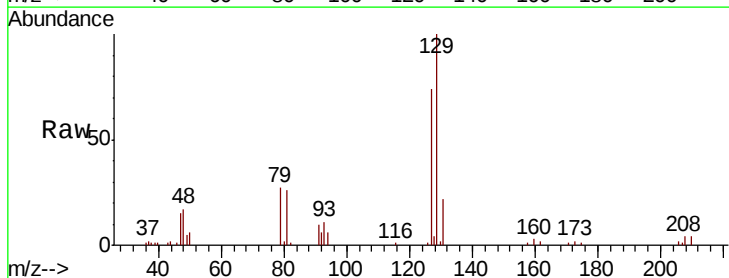


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

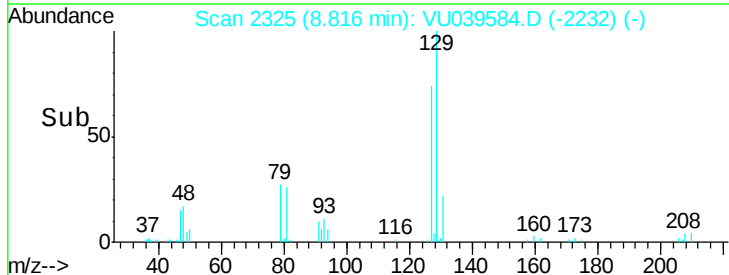
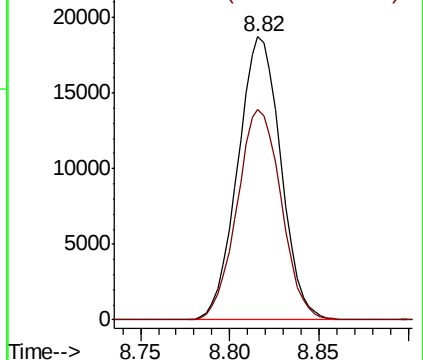


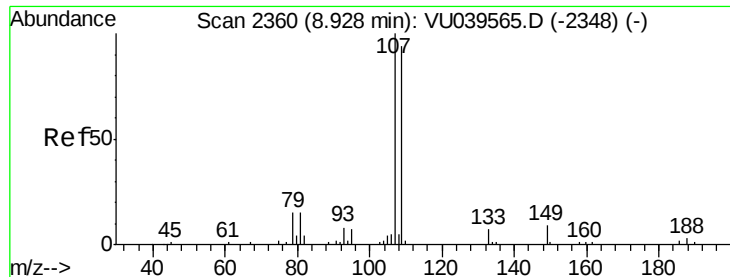
#49
Dibromochloromethane
Concen: 5.052 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039584.D
Acq: 20 Jul 2020 20:38

Tgt Ion: 129 Resp: 31458
Ion Ratio Lower Upper
129 100
127 74.4 55.4 102.8



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

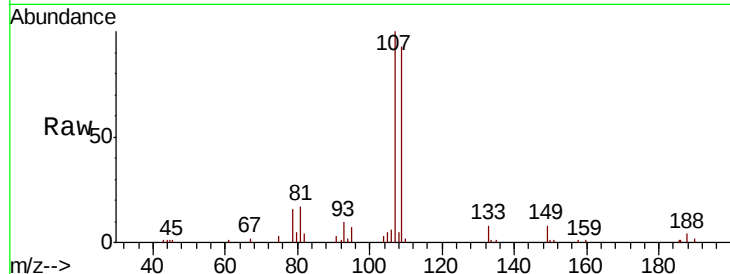




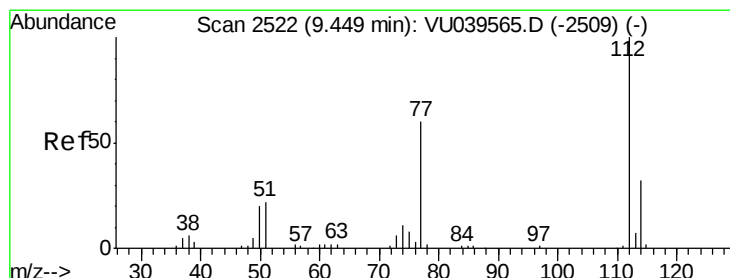
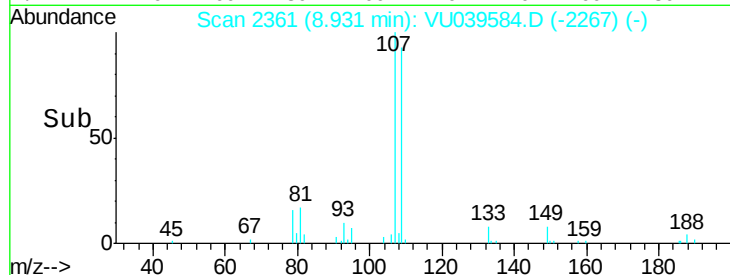
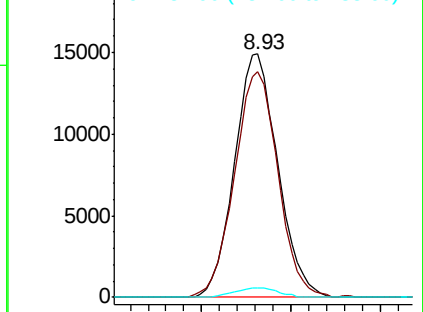
#50
 1,2-Dibromoethane
 Concen: 4.820 ug/L
 RT: 8.93 min Scan# 2361
 Delta R.T. 0.00 min
 Lab File: VU039584.D
 Acq: 20 Jul 2020 20:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.6	64.0	118.8
188	4.1	2.6	3.8#

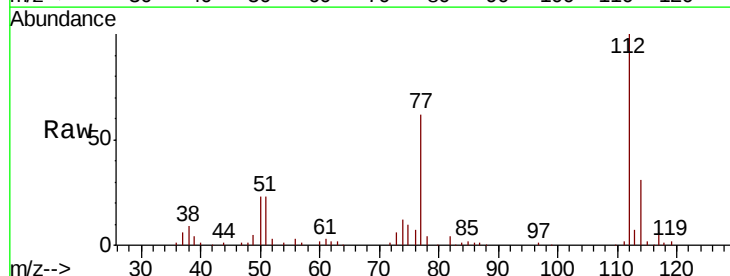


Abundance Ion 106.95 (106.65 to 107.65): V
 20000 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

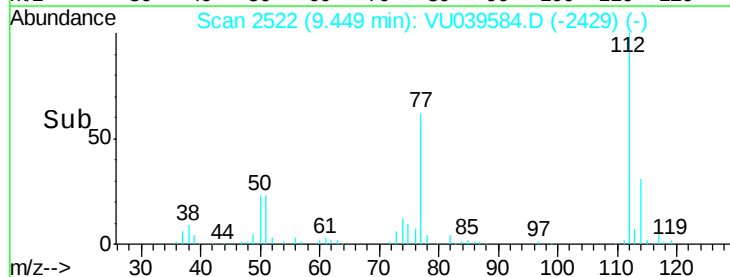
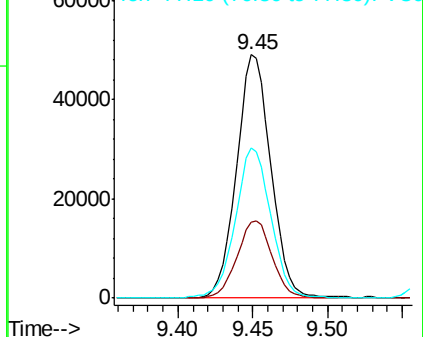


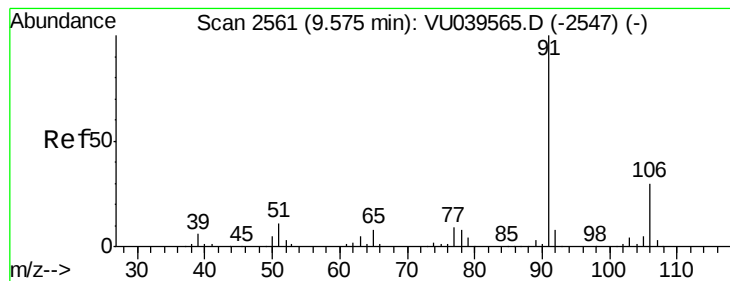
#51
 Chlorobenzene
 Concen: 4.567 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU039584.D
 Acq: 20 Jul 2020 20:38

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.0	22.1	41.1
77	61.7	49.9	74.9



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): V





#52

Ethylbenzene

Concen: 4.335 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039584.D

Acq: 20 Jul 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

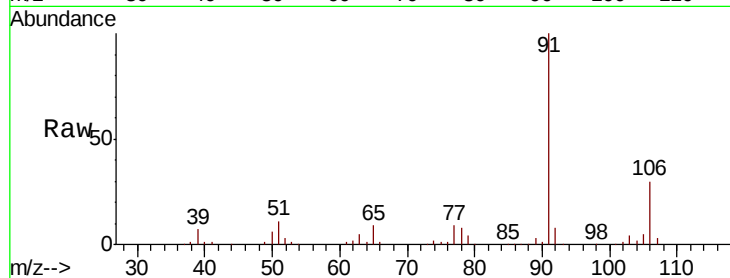
VSTD00528

Tot Ion: 91 Resp: 134704

Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039584.D (-2547) (-)

Ion 106.15 (105.85 to 106.85): VU039584.D (-2547) (-)

9.57

80000

60000

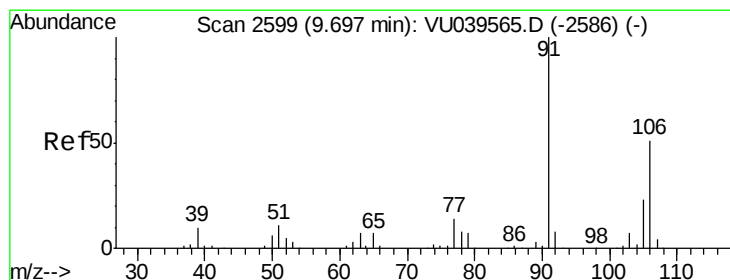
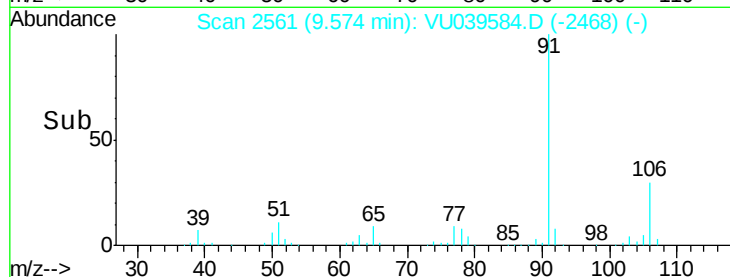
40000

20000

0

Time-->

9.50 9.55 9.60



#53

m,p-Xylene

Concen: 4.236 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039584.D

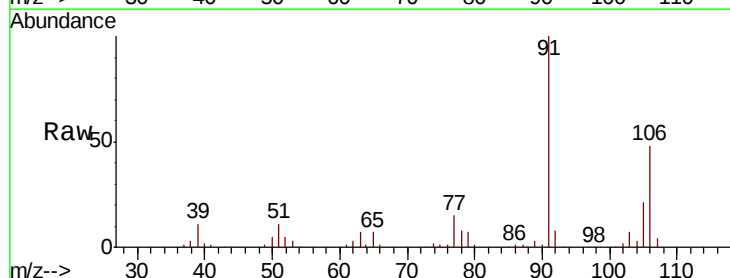
Acq: 20 Jul 2020 20:38

Tgt Ion: 106 Resp: 49593

Ion Ratio Lower Upper

106 100

91 208.5 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): VU039584.D (-2586) (-)

Ion 91.15 (90.85 to 91.85): VU039584.D (-2586) (-)

9.70

60000

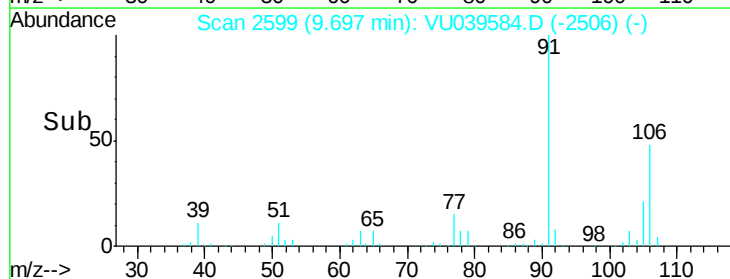
40000

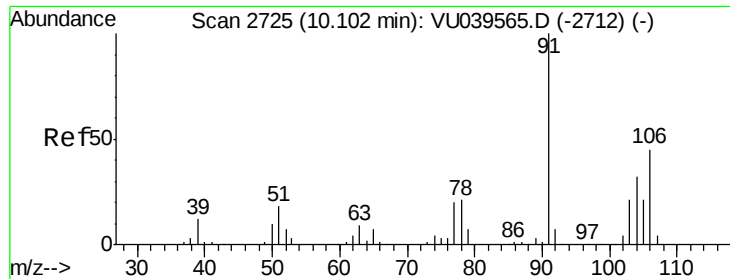
20000

0

Time-->

9.65 9.70 9.75

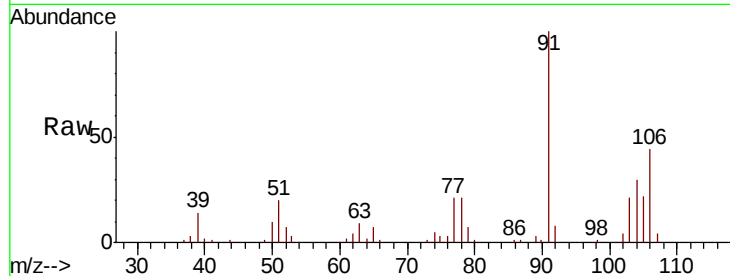




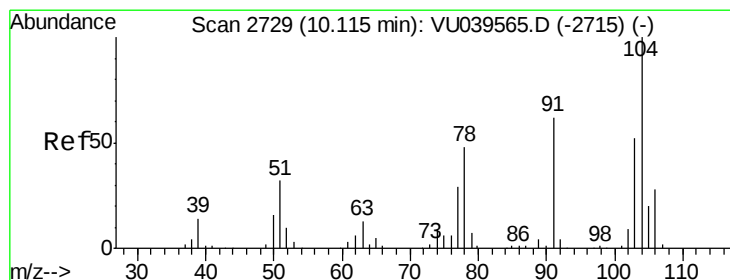
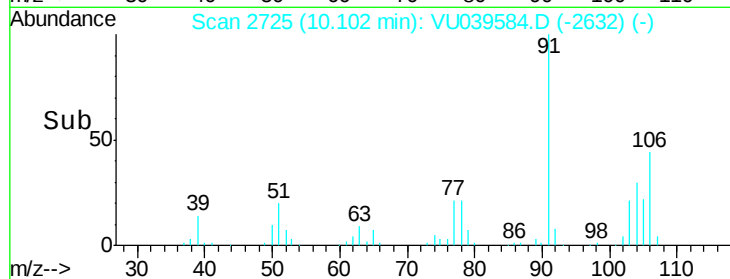
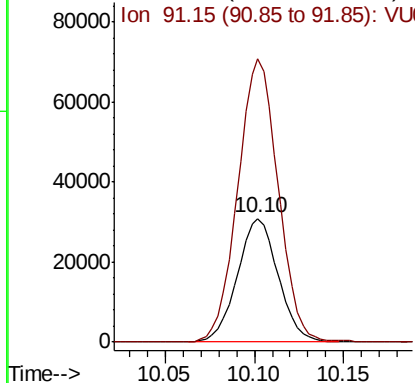
#54
o-Xylene
Concen: 4.327 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039584.D
Acq: 20 Jul 2020 20:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Tot Ion:106 Resp: 49319
Ion Ratio Lower Upper
106 100
91 229.1 154.6 287.2

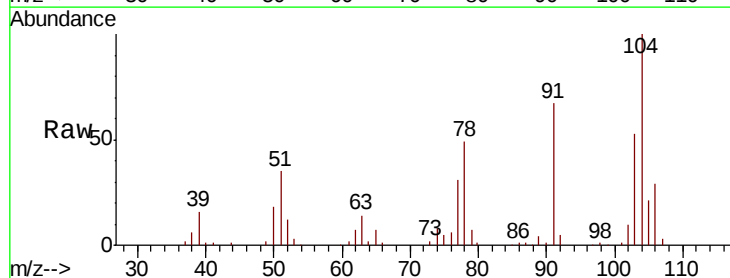


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

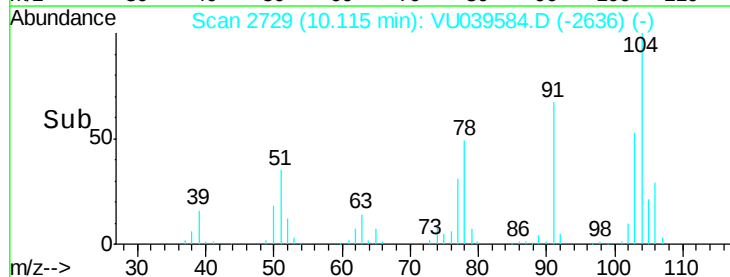
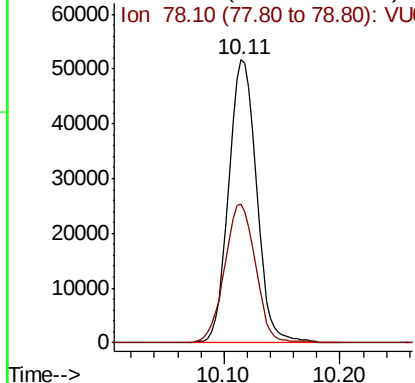


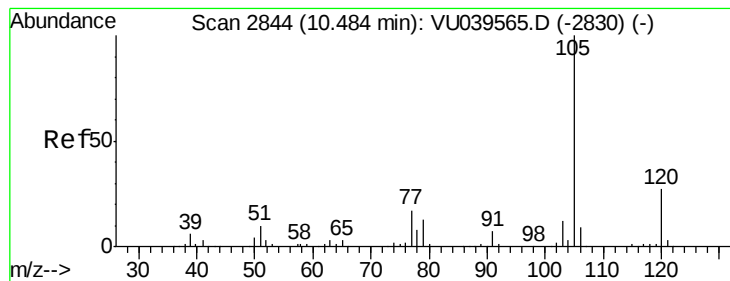
#55
Styrene
Concen: 4.327 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039584.D
Acq: 20 Jul 2020 20:38

Tgt Ion:104 Resp: 85816
Ion Ratio Lower Upper
104 100
78 49.0 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: 4.128 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039584.D

Acq: 20 Jul 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

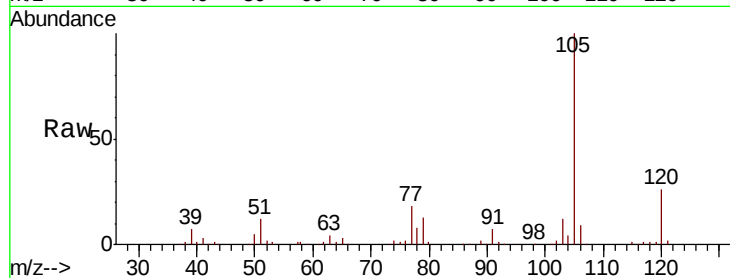
Tot Ion:105 Resp: 127241

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

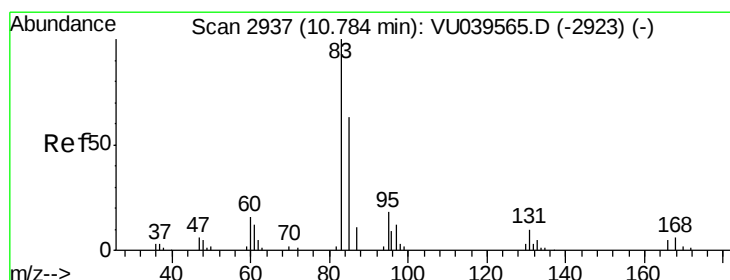
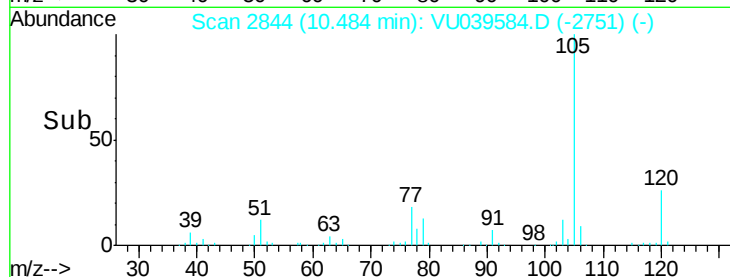
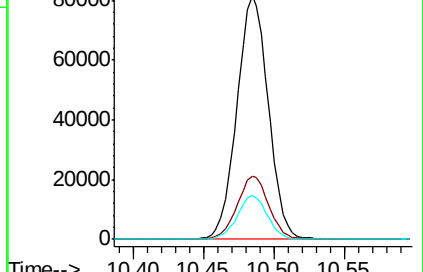
77 17.1 13.9 20.9



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: 4.708 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039584.D

Acq: 20 Jul 2020 20:38

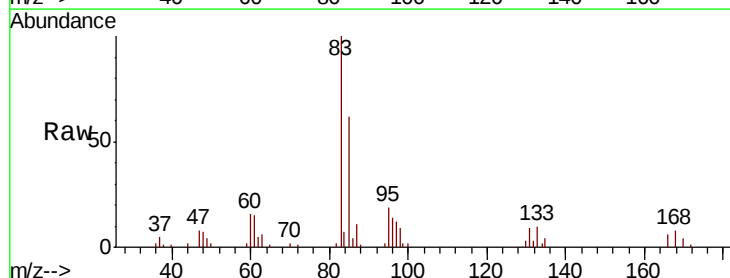
Tgt Ion: 83 Resp: 33690

Ion Ratio Lower Upper

83 100

85 61.9 46.1 85.7

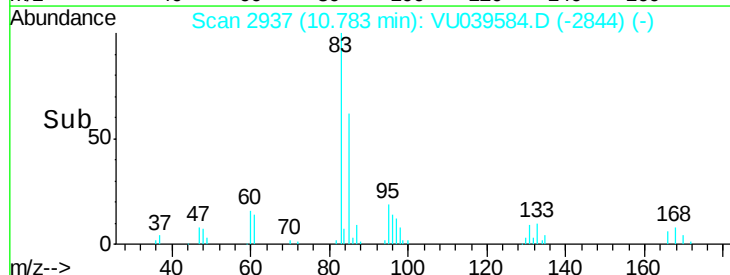
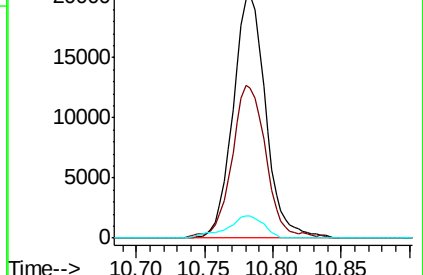
131 9.1 7.4 11.0

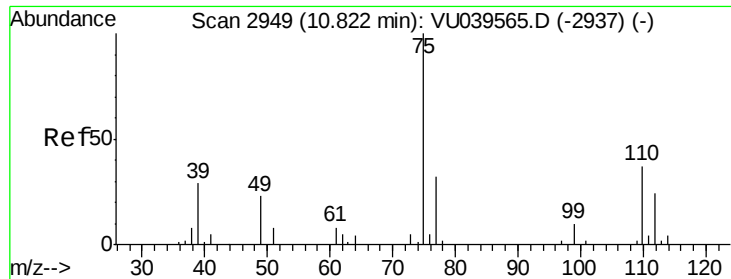


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.789 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039584.D

Acq: 20 Jul 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

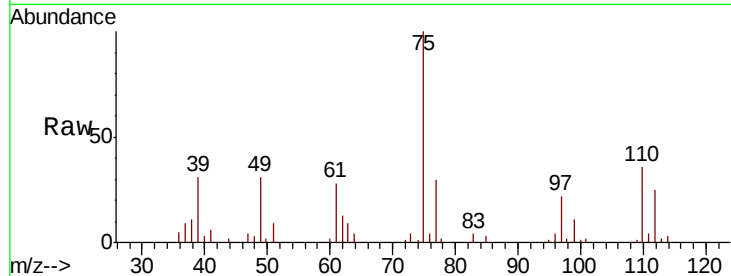
VSTD00528

Tot Ion: 75 Resp: 25262

Ion Ratio Lower Upper

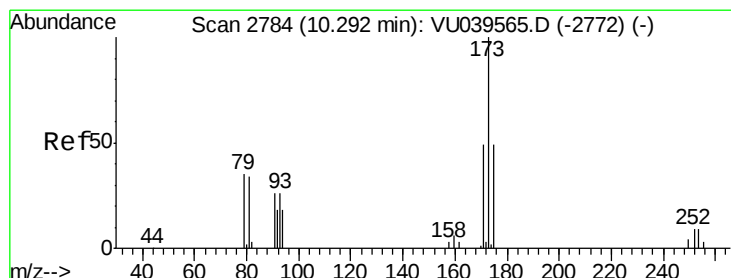
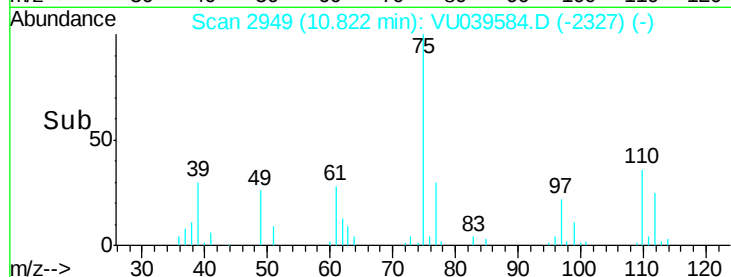
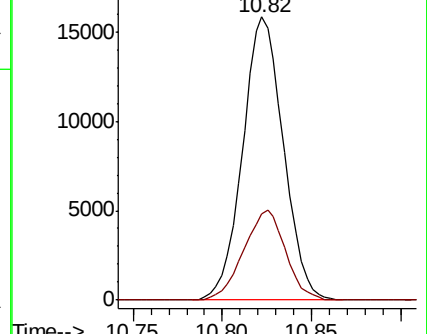
75 100

77 32.5 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU039565.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039565.D (-2937) (-)



#61

Bromoform

Concen: 4.891 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU039584.D

Acq: 20 Jul 2020 20:38

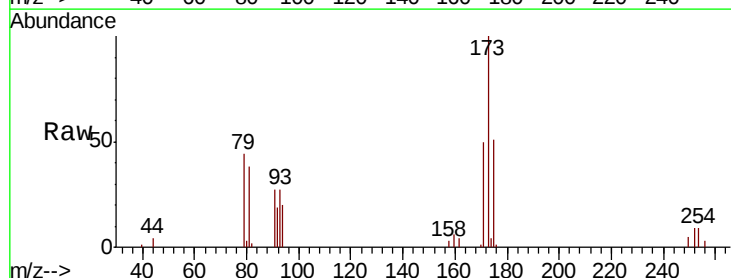
Tgt Ion:173 Resp: 17533

Ion Ratio Lower Upper

173 100

175 48.9 37.5 56.3

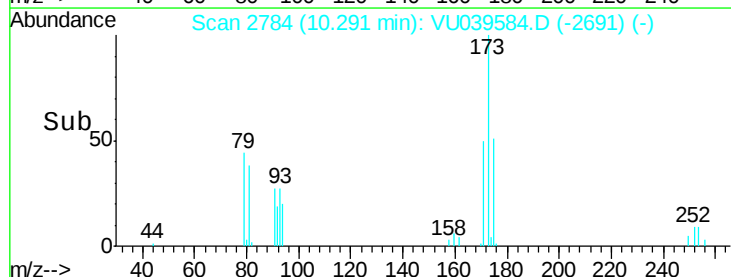
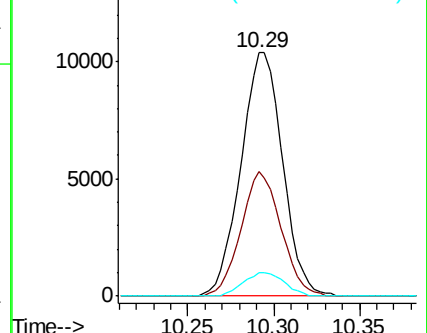
254 9.4 6.7 10.1

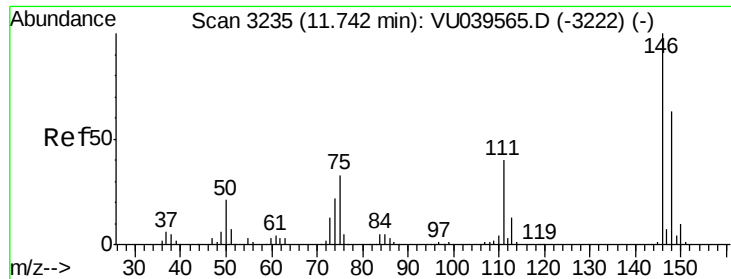


Abundance Ion 172.90 (172.60 to 173.60): VU039565.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU039565.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU039565.D (-2772) (-)





#62

1,3-Dichlorobenzene

Concen: 4.493 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU039584.D

Acq: 20 Jul 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

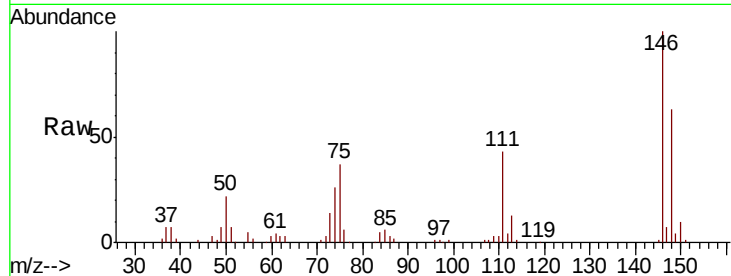
Tot Ion:146 Resp: 59878

Ion Ratio Lower Upper

146 100

111 43.1 29.0 53.8

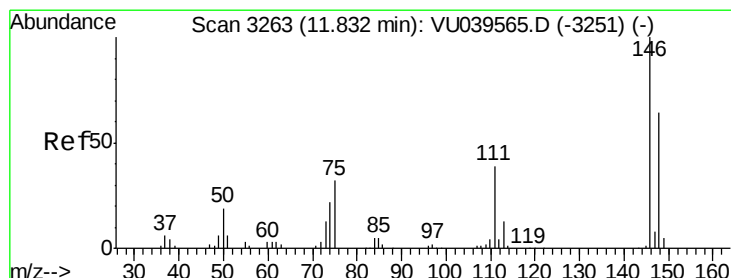
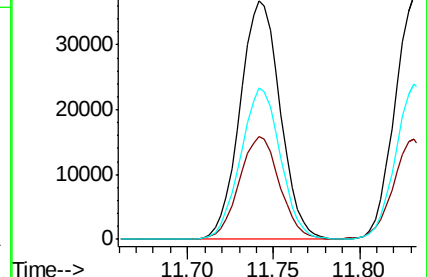
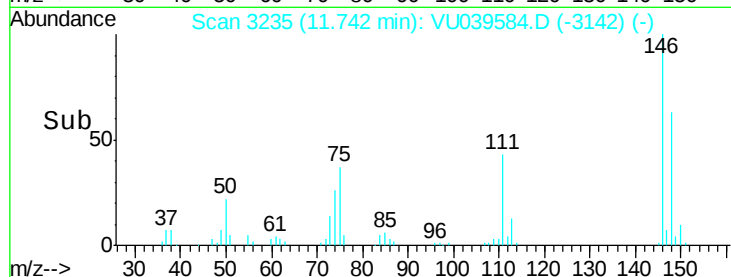
148 63.2 43.5 80.9



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: 4.520 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039584.D

Acq: 20 Jul 2020 20:38

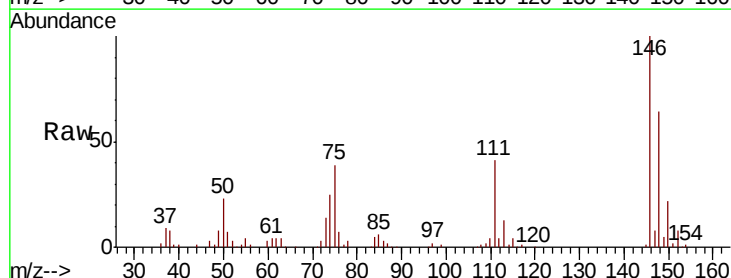
Tgt Ion:146 Resp: 60435

Ion Ratio Lower Upper

146 100

111 41.1 28.6 53.0

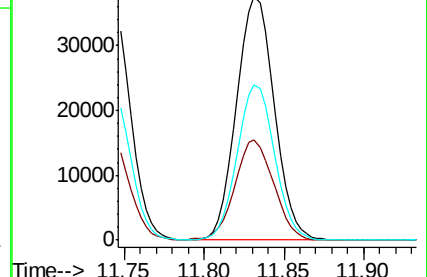
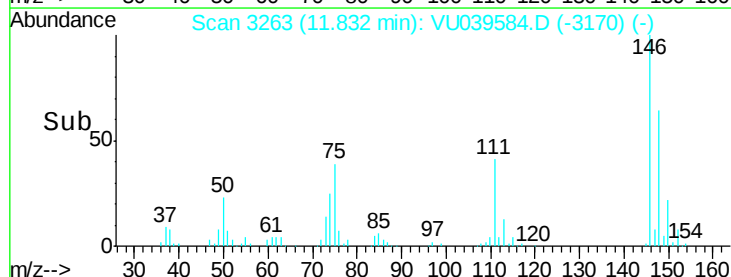
148 63.6 45.0 83.6

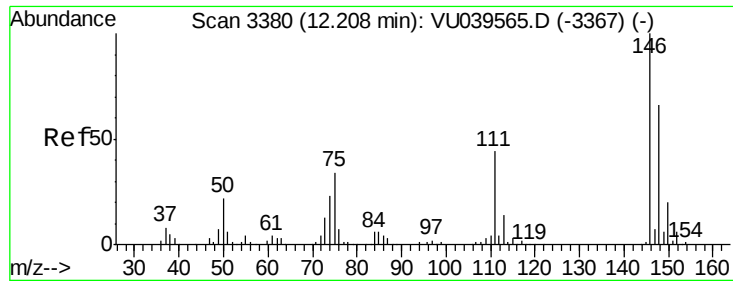


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

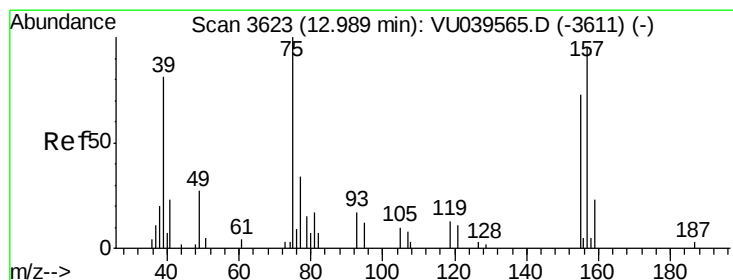
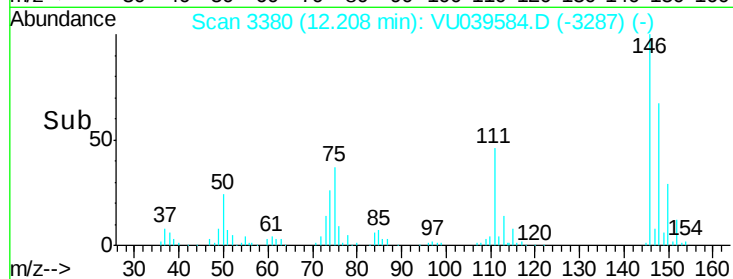
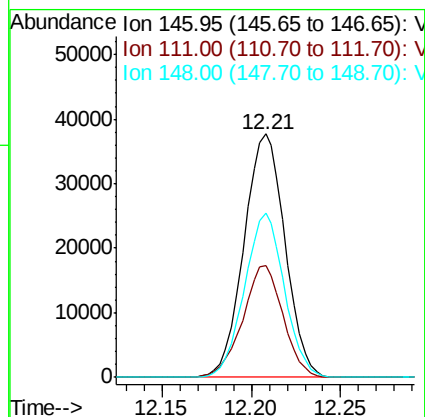
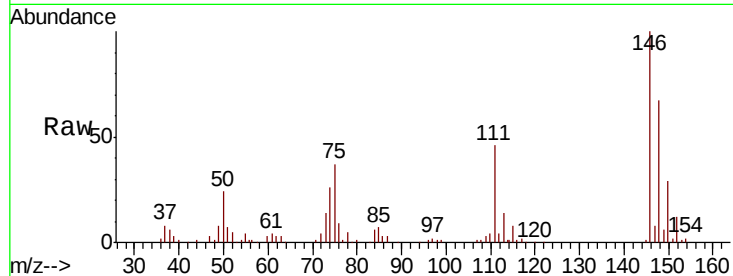




#65
 1,2-Dichlorobenzene
 Concen: 4.532 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039584.D
 Acq: 20 Jul 2020 20:38

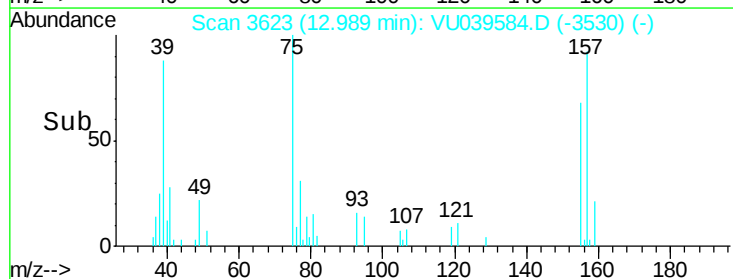
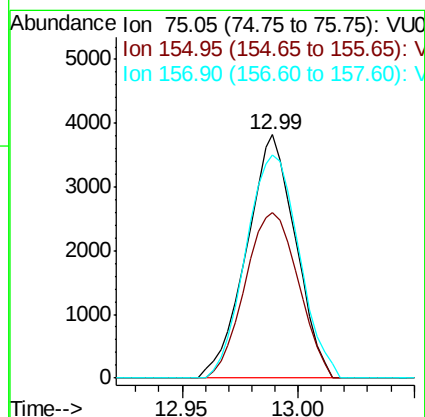
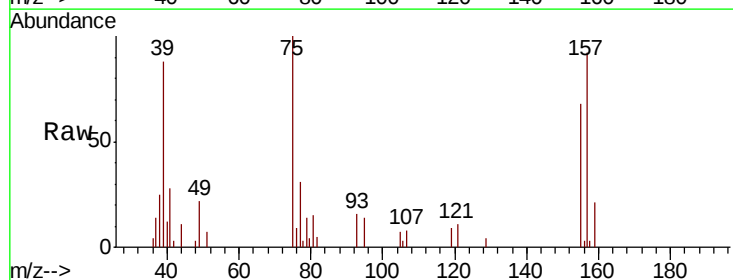
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

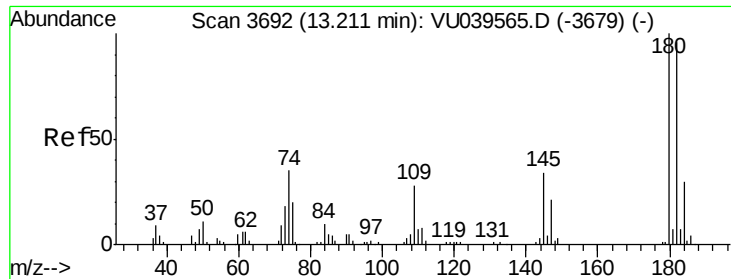
Tot Ion:146 Resp: 60548
 Ion Ratio Lower Upper
 146 100
 111 45.7 35.0 52.4
 148 67.3 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.754 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU039584.D
 Acq: 20 Jul 2020 20:38

Tgt Ion: 75 Resp: 5611
 Ion Ratio Lower Upper
 75 100
 155 68.2 51.9 77.9
 157 94.8 63.2 94.8#

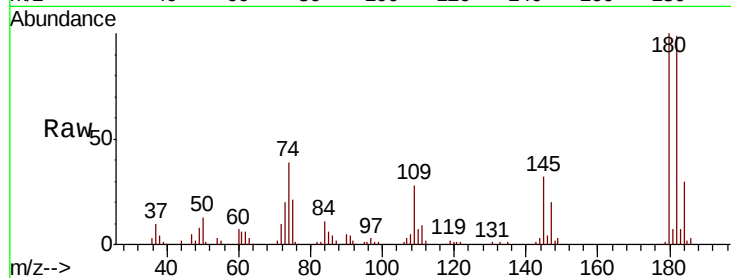




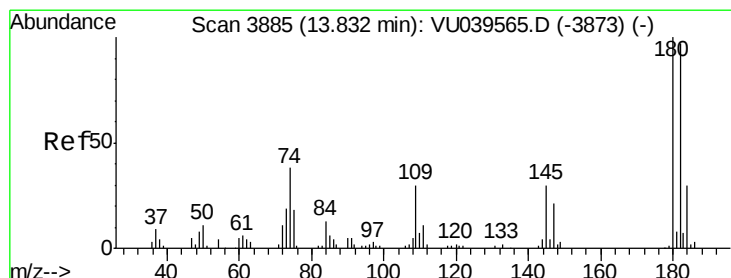
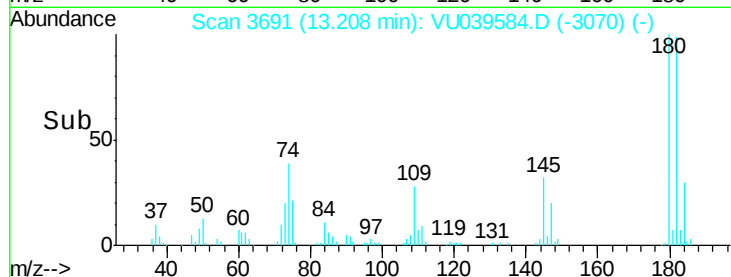
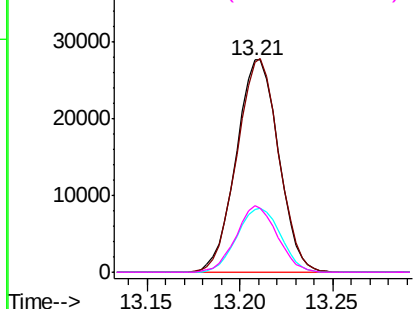
#67
 1,3,5-Trichlorobenzene
 Concen: 4.411 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU039584.D
 Acq: 20 Jul 2020 20:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tot Ion:180 Resp: 43994
 Ion Ratio Lower Upper
 180 100
 182 98.9 76.2 114.4
 184 30.8 24.2 36.4
 145 30.4 24.2 36.2

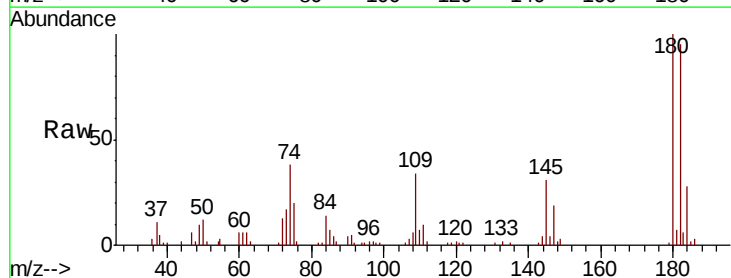


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

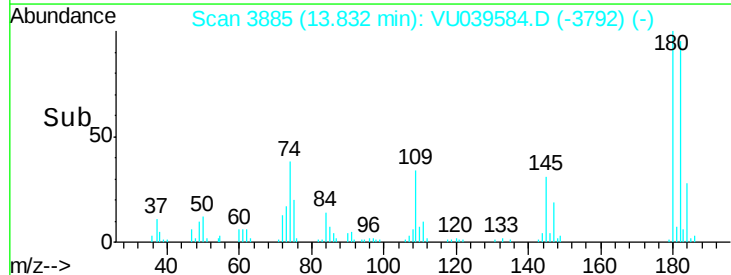
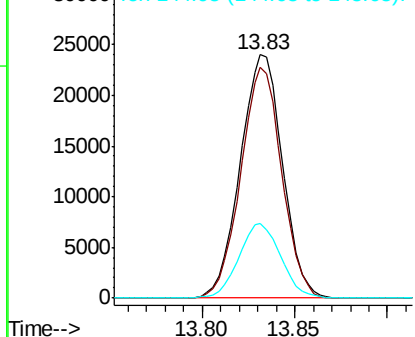


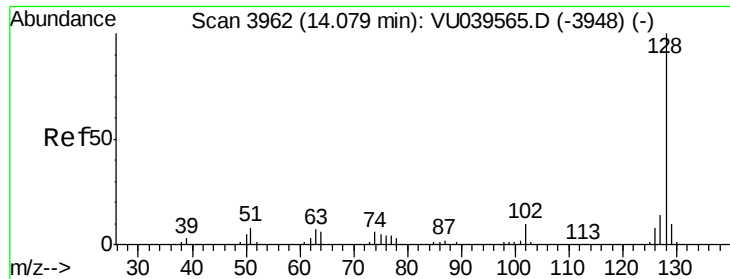
#68
 1,2,4-trichlorobenzene
 Concen: 4.436 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039584.D
 Acq: 20 Jul 2020 20:38

Tgt Ion:180 Resp: 37855
 Ion Ratio Lower Upper
 180 100
 182 91.9 79.4 119.2
 145 30.2 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: 3.736 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039584.D

Acq: 20 Jul 2020 20:38

Instrument :

MSVOA_U

ClientSampled :

VSTD00528

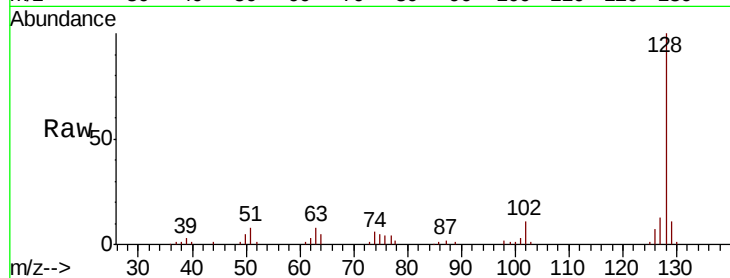
Tot Ion:128 Resp: 64155

Ion Ratio Lower Upper

128 100

129 10.4 8.6 13.0

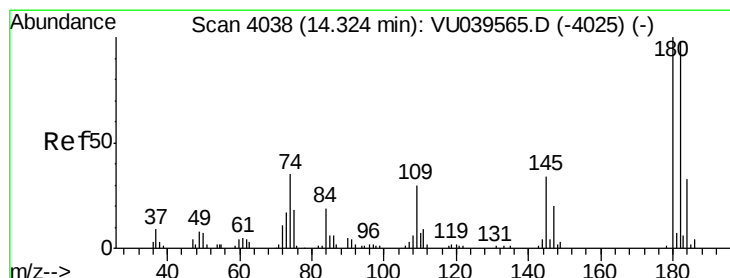
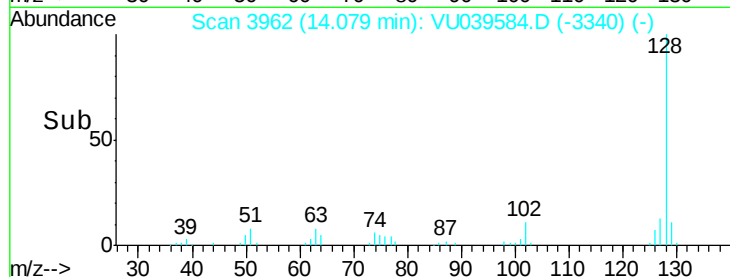
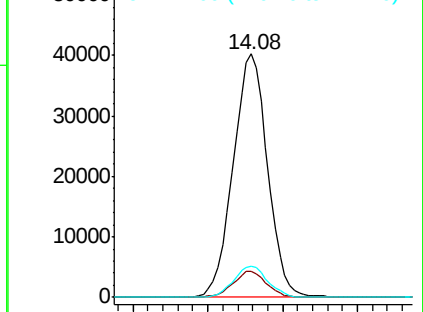
127 12.8 10.4 15.6



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: 4.418 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU039584.D

Acq: 20 Jul 2020 20:38

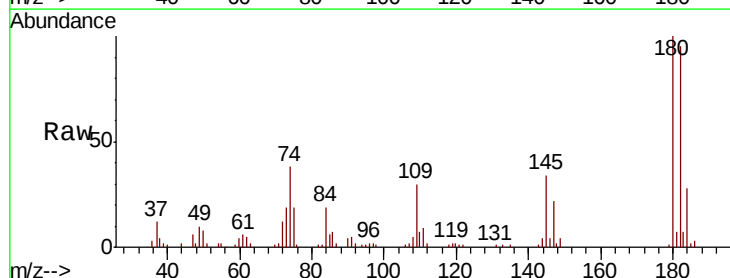
Tgt Ion:180 Resp: 34940

Ion Ratio Lower Upper

180 100

182 95.4 74.2 111.2

145 34.0 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

