

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091620\
 Data File : VU040142.D
 Acq On : 16 Sep 2020 10:19
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Quant Time: Sep 17 01:07:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 16 13:22:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	121300	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	117675	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	59925	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	29770	4.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.00%
7) Chloroethane-d5	1.92	69	27621	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.20%
11) 1,1-Dichloroethene-d2	2.58	63	80595	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.80%
20) 2-Butanone-d5	4.66	46	120151	45.36	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.72%
24) Chloroform-d	5.08	84	68772	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
26) 1,2-Dichloroethane-d4	5.72	65	41131	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
32) Benzene-d6	5.74	84	123852	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
36) 1,2-Dichloropropane-d6	6.70	67	39745	4.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.80%
41) Toluene-d8	7.90	98	108691	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	8.19	79	17942	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	8.64	63	89683	45.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.02%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	36833	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	43394	4.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	59432	4.937	ug/L 99
3) Chloromethane	1.53	50	49654	4.308	ug/L 99
5) Vinyl chloride	1.61	62	55439	4.745	ug/L 96
6) Bromomethane	1.87	94	24600	4.119	ug/L 93
8) Chloroethane	1.94	64	33543	4.777	ug/L 97
9) Trichlorofluoromethane	2.15	101	85303	5.097	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	56418	5.200	ug/L 98
12) 1,1-Dichloroethene	2.59	96	49001	5.220	ug/L 94
13) Acetone	2.68	43	106943	43.610	ug/L 97
14) Carbon disulfide	2.81	76	136519	4.536	ug/L 98
15) Methyl Acetate	2.97	43	24215	3.934	ug/L 94
16) Methylene chloride	3.06	84	58226	4.736	ug/L 93
17) Methyl tert-butyl Ether	3.38	73	132785	4.693	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	50311	4.982	ug/L 96
19) 1,1-Dichloroethane	3.89	63	101668	4.891	ug/L 98
21) 2-Butanone	4.74	43	195429	48.814	ug/L 98
22) cis-1,2-Dichloroethene	4.68	96	54013	4.974	ug/L 96

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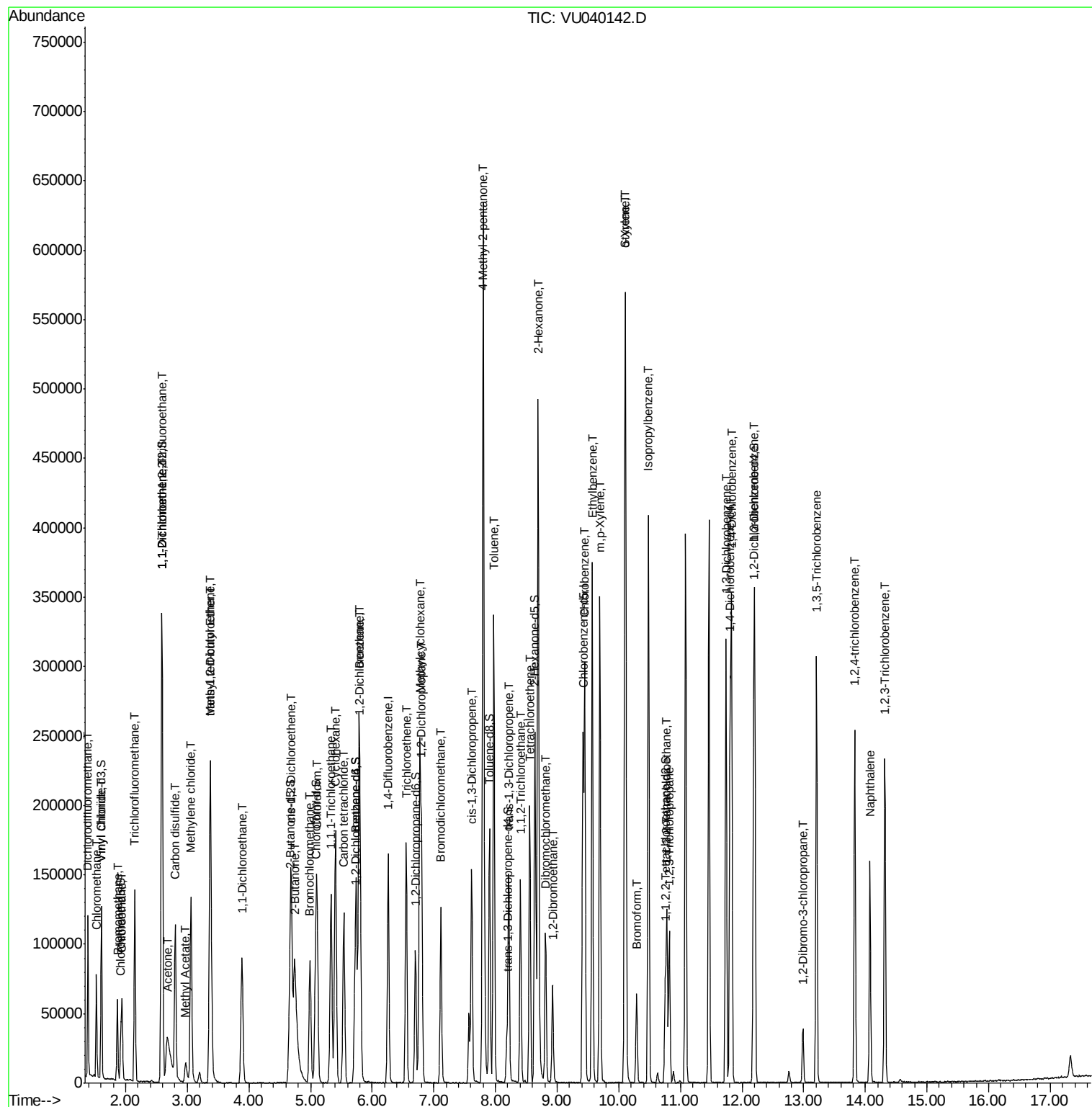
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	25927	5.450	ug/L	88
25) Chloroform	5.11	83	107383	5.045	ug/L	98
27) 1,2-Dichloroethane	5.81	62	77866	4.993	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	92953	5.031	ug/L	99
30) Cyclohexane	5.40	56	84472	4.715	ug/L	100
31) Carbon tetrachloride	5.54	117	80110	5.066	ug/L	96
33) Benzene	5.79	78	214812	5.103	ug/L	100
34) Trichloroethene	6.55	95	55608	4.924	ug/L	96
35) Methylcyclohexane	6.77	83	84316	4.876	ug/L	96
37) 1,2-Dichloropropane	6.80	63	57441	5.039	ug/L	99
38) Bromodichloromethane	7.11	83	76939	4.944	ug/L	95
39) cis-1,3-Dichloropropene	7.61	75	80744	4.803	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	455497	48.702	ug/L	99
42) Toluene	7.97	91	224920	5.188	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	76094	4.885	ug/L	95
45) 1,1,2-Trichloroethane	8.40	97	42239	5.087	ug/L	96
47) Tetrachloroethene	8.56	164	38322	5.166	ug/L	97
48) 2-Hexanone	8.69	43	338601	49.632	ug/L	99
49) Dibromochloromethane	8.81	129	51168	5.134	ug/L	98
50) 1,2-Dibromoethane	8.93	107	40685	5.082	ug/L	99
51) Chlorobenzene	9.45	112	142864	5.308	ug/L	95
52) Ethylbenzene	9.57	91	250729	5.090	ug/L	98
53) m,p-Xylene	9.69	106	93205	5.315	ug/L	98
54) o-Xylene	10.10	106	86911	5.200	ug/L	99
55) Styrene	10.11	104	158164	5.442	ug/L	98
56) Isopropylbenzene	10.48	105	240357	5.273	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	55776	5.238	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	42504	5.033	ug/L	99
61) Bromoform	10.29	173	25735	4.682	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	115610	5.278	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	117577	5.305	ug/L	99
65) 1,2-Dichlorobenzene	12.20	146	109850	5.183	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	9761	4.306	ug/L	96
67) 1,3,5-Trichlorobenzene	13.21	180	80853	5.250	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	64445	4.858	ug/L	99
69) Naphthalene	14.08	128	118717	4.293	ug/L	97
70) 1,2,3-Trichlorobenzene	14.32	180	59859	4.913	ug/L	96

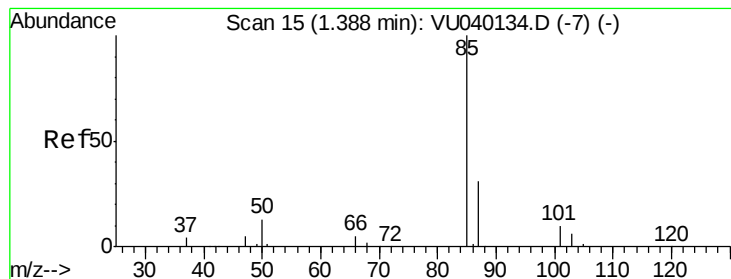
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.937 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040142.D

Acq: 16 Sep 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

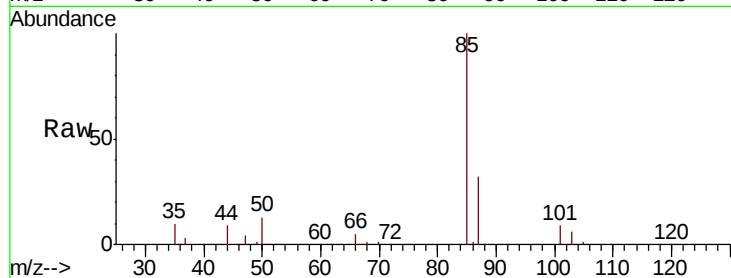
VSTD00508

Tot Ion: 85 Resp: 59432

Ion Ratio Lower Upper

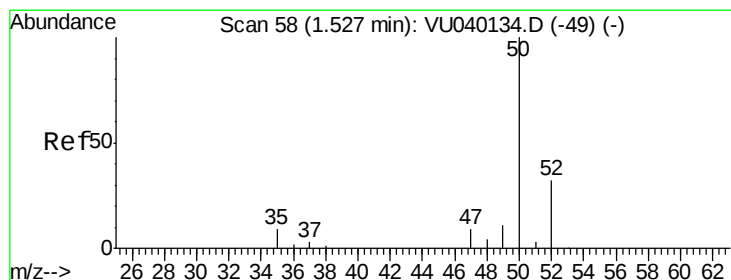
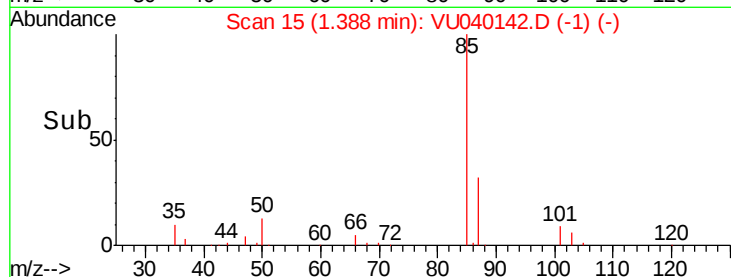
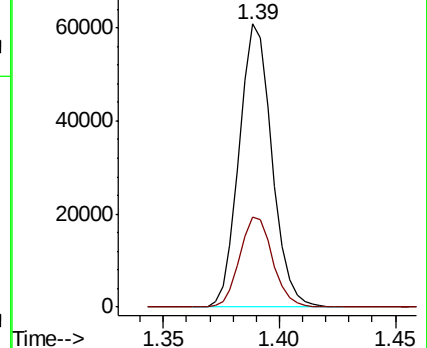
85 100

87 32.1 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.308 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040142.D

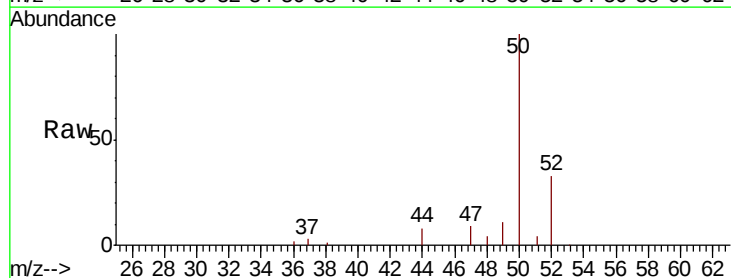
Acq: 16 Sep 2020 10:19

Tgt Ion: 50 Resp: 49654

Ion Ratio Lower Upper

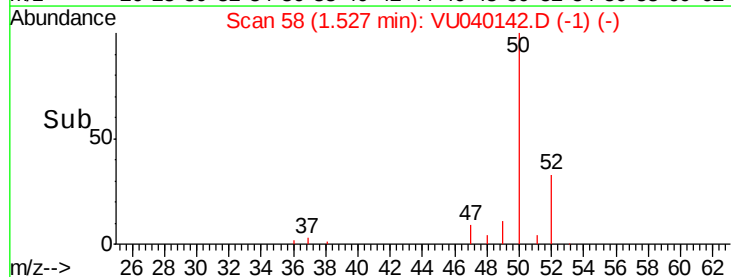
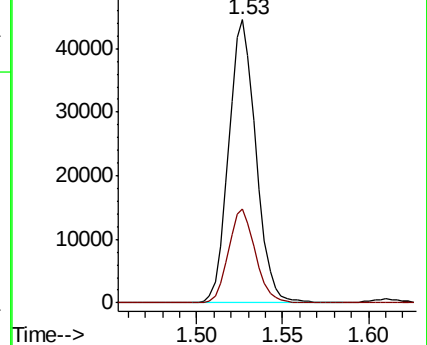
50 100

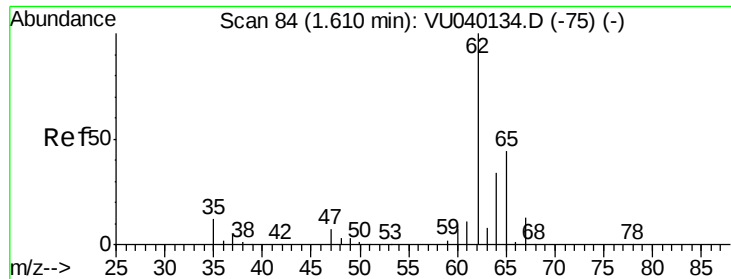
52 33.0 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.745 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040142.D

Acq: 16 Sep 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

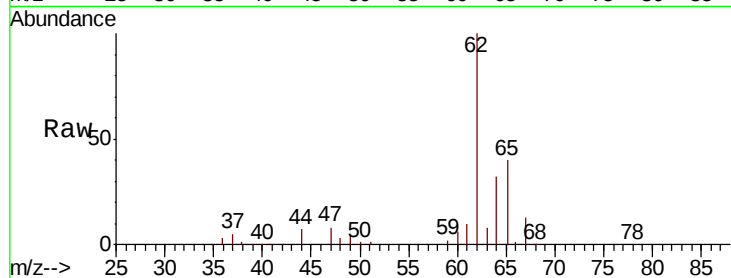
VSTD00508

Tot Ion: 62 Resp: 55439

Ion Ratio Lower Upper

62 100

64 31.8 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU040142.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU040142.D (-1) (-)

1.61

50000

40000

30000

20000

10000

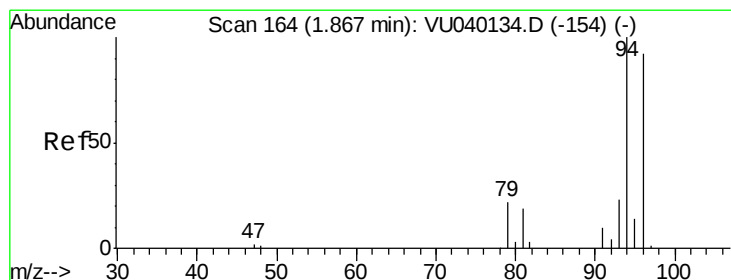
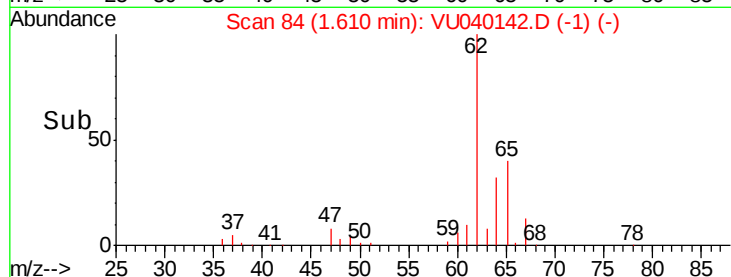
0

Time-->

1.55

1.60

1.65



#6

Bromomethane

Concen: 4.119 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040142.D

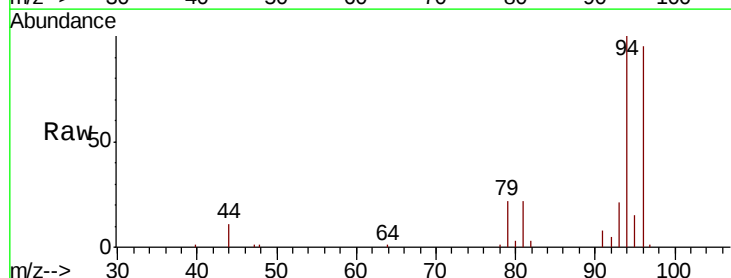
Acq: 16 Sep 2020 10:19

Tgt Ion: 94 Resp: 24600

Ion Ratio Lower Upper

94 100

96 95.2 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU040142.D (-71) (-)

Ion 96.00 (95.70 to 96.70): VU040142.D (-71) (-)

1.87

20000

15000

10000

5000

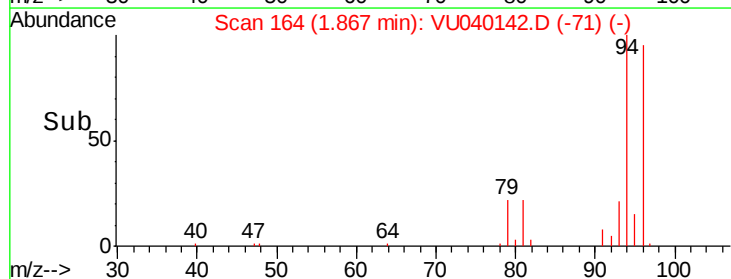
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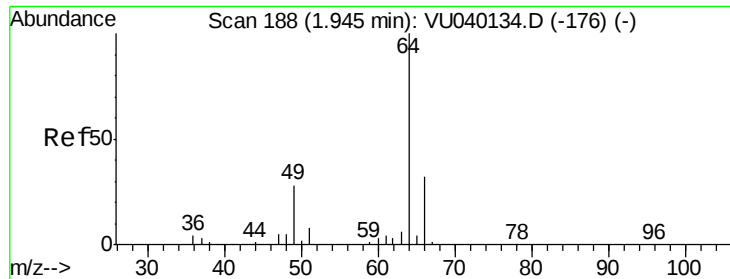
Time-->

1.80

1.85

1.90

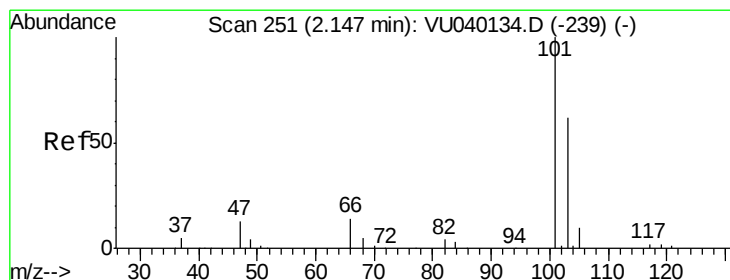
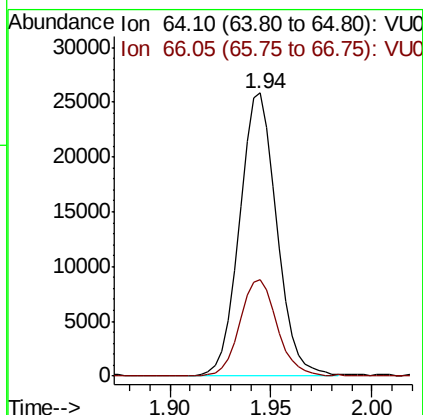
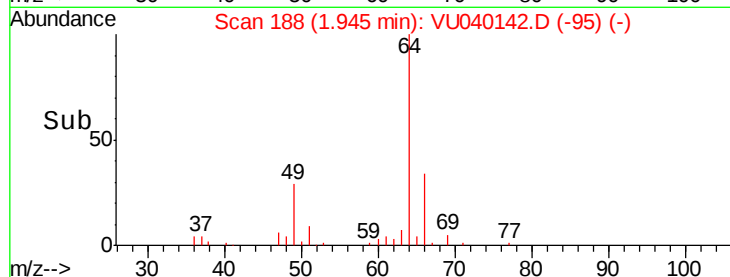
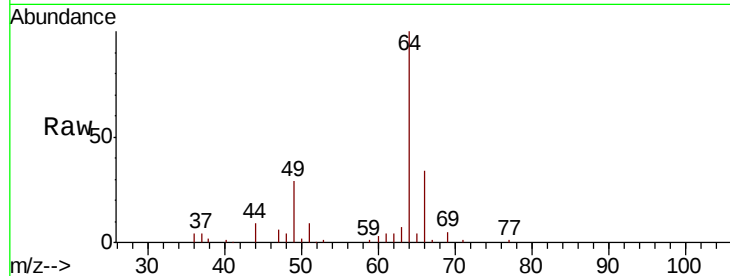




#8
 Chloroethane
 Concen: 4.777 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VU040142.D
 Acq: 16 Sep 2020 10:19

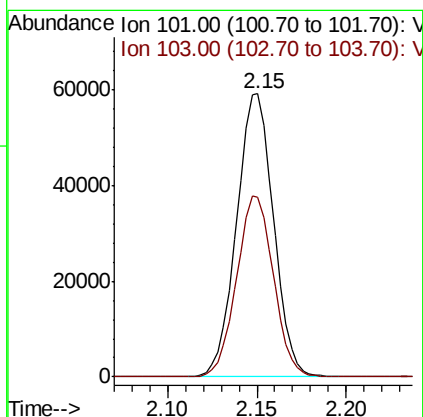
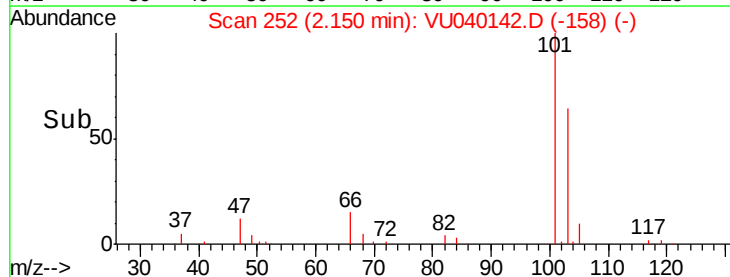
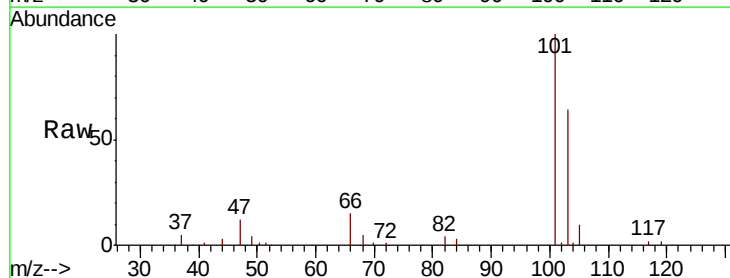
Instrument :
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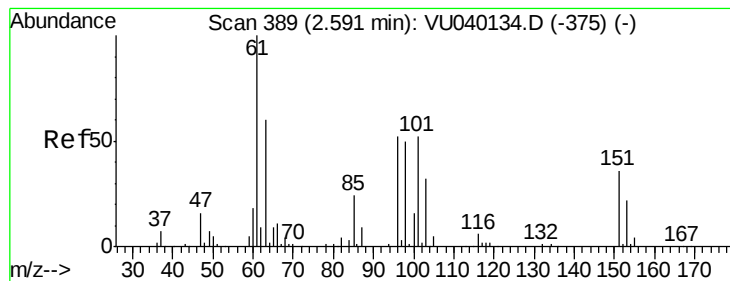
Tot Ion: 64 Resp: 33543
 Ion Ratio Lower Upper
 64 100
 66 34.0 22.7 42.1



#9
 Trichlorofluoromethane
 Concen: 5.097 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU040142.D
 Acq: 16 Sep 2020 10:19

Tgt Ion:101 Resp: 85303
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.3 76.9





#10

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

Concen: 5.200 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040142.D

Acq: 16 Sep 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

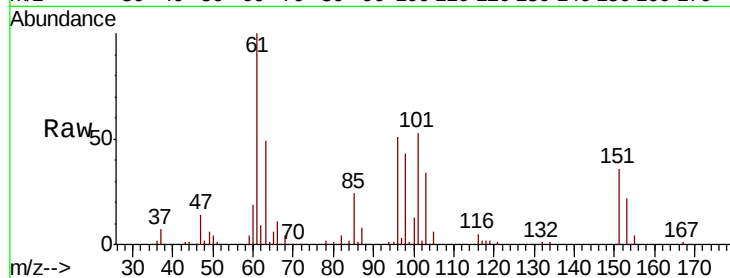
Tot Ion:101 Resp: 56418

Ion Ratio Lower Upper

101 100

85 45.2 37.7 56.5

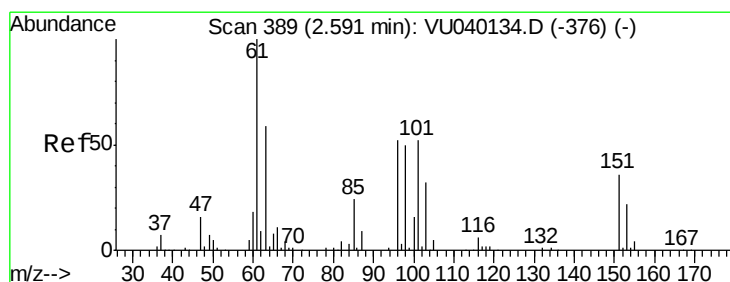
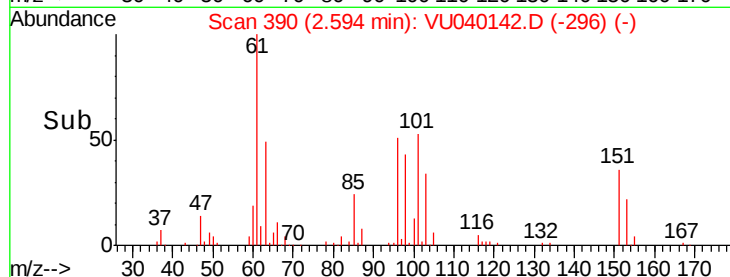
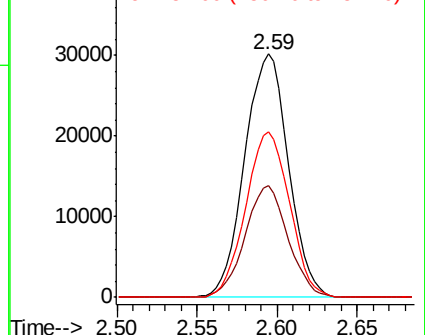
151 68.0 53.9 80.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.220 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040142.D

Acq: 16 Sep 2020 10:19

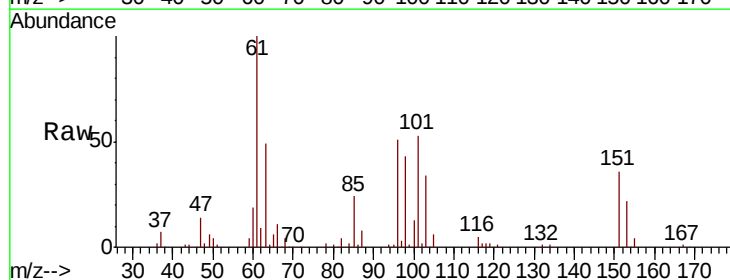
Tgt Ion: 96 Resp: 49001

Ion Ratio Lower Upper

96 100

61 195.1 138.3 256.8

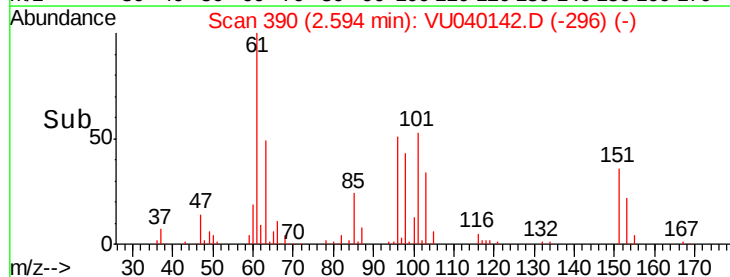
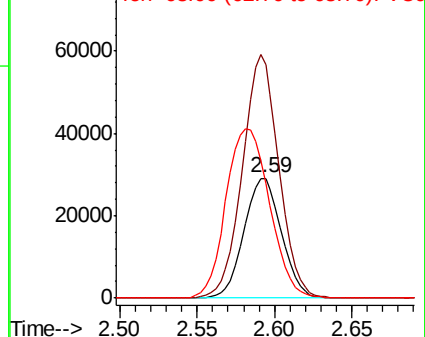
63 95.8 77.6 144.2

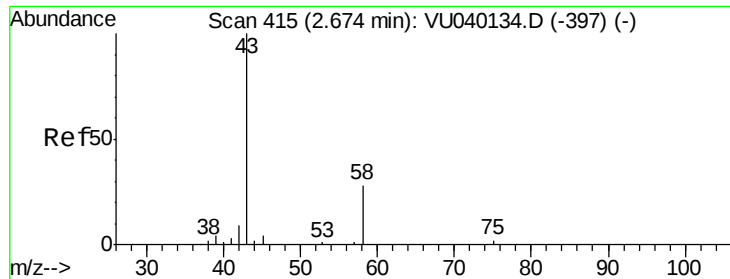


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 43.610 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.00 min

Lab File: VU040142.D

Acq: 16 Sep 2020 10:19

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MSVOA_U

ClientSampleId :

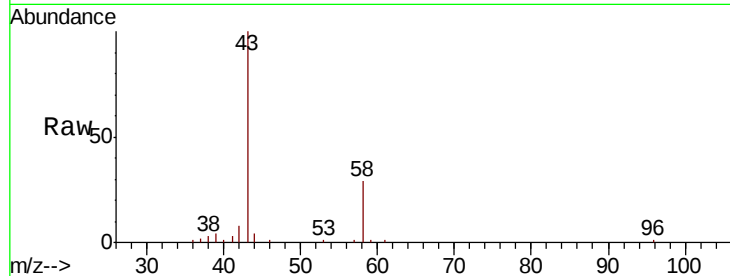
VSTD00508

Tot Ion: 43 Resp: 106943

Ion Ratio Lower Upper

43 100

58 29.3 0.0 55.4



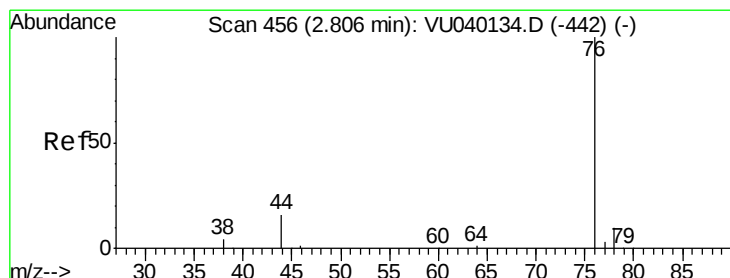
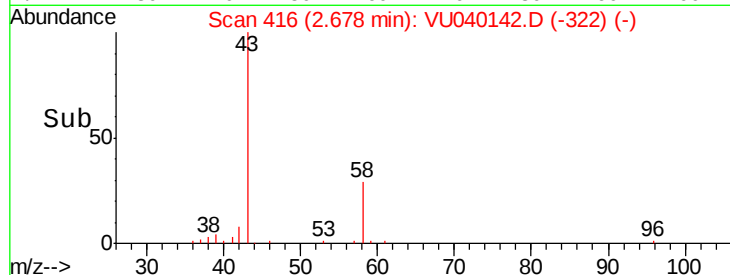
Abundance Ion 43.05 (42.75 to 43.75): VU040134.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU040134.D (-397) (-)

2.68

2.60 2.70 2.80

Time-->



#14

Carbon disulfide

Concen: 4.536 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040142.D

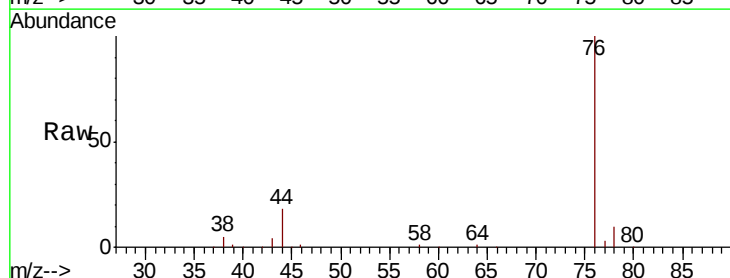
Acq: 16 Sep 2020 10:19

Tgt Ion: 76 Resp: 136519

Ion Ratio Lower Upper

76 100

78 9.6 7.2 10.8



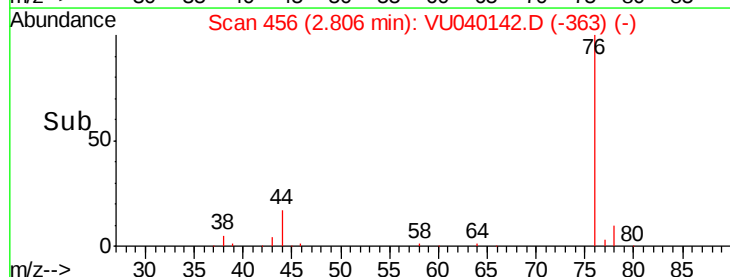
Abundance Ion 76.05 (75.75 to 76.75): VU040134.D (-442) (-)

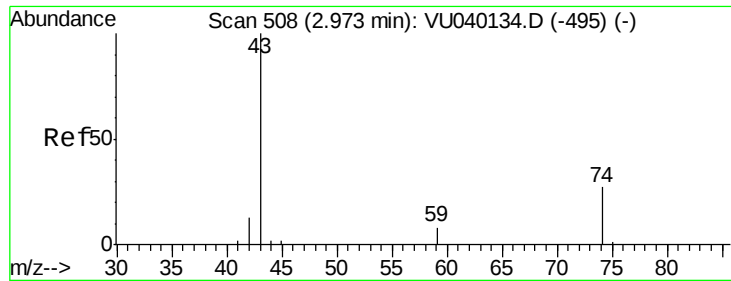
Ion 78.00 (77.70 to 78.70): VU040134.D (-442) (-)

2.81

2.70 2.80 2.90

Time-->

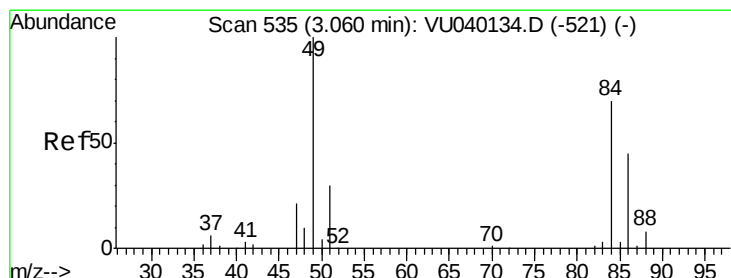
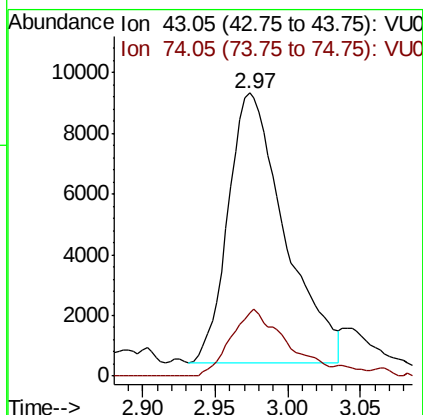
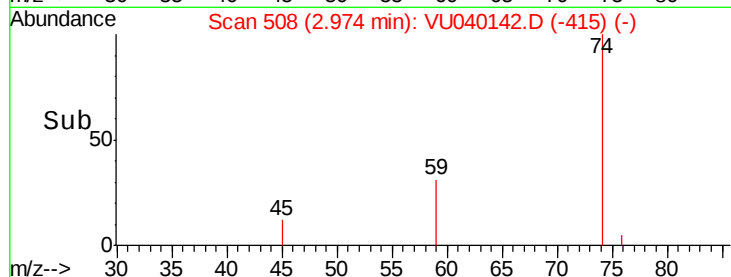
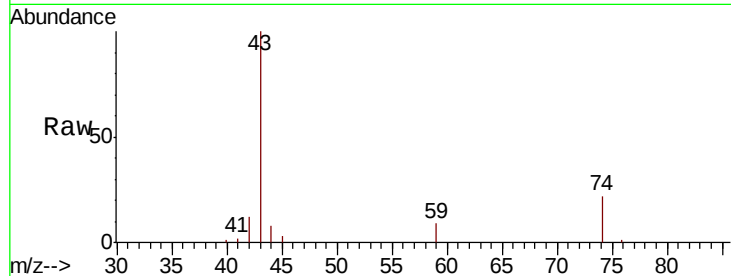




#15
Methvl Acetate
Concen: 3.934 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.00 min
Lab File: VU040142.D
Acq: 16 Sep 2020 10:19

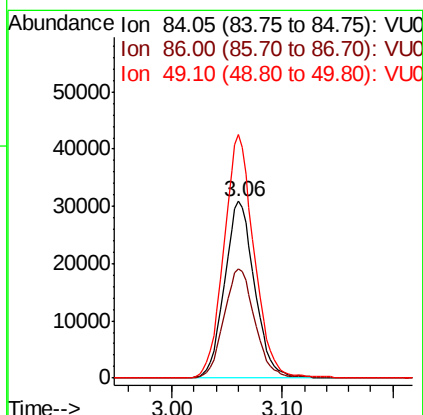
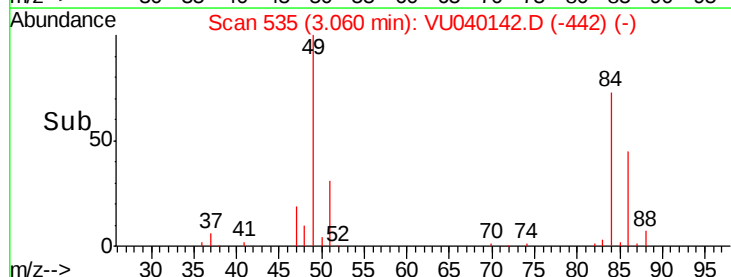
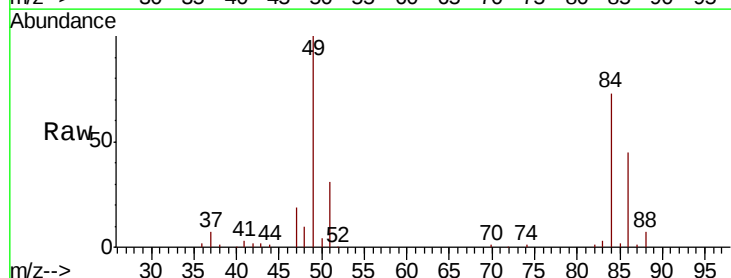
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

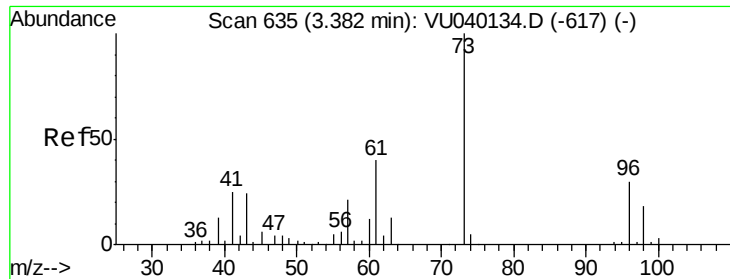
Tot Ion: 43 Resp: 24215
Ion Ratio Lower Upper
43 100
74 24.4 17.4 26.0



#16
Methylene chloride
Concen: 4.736 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040142.D
Acq: 16 Sep 2020 10:19

Tgt Ion: 84 Resp: 58226
Ion Ratio Lower Upper
84 100
86 62.0 45.2 84.0
49 137.8 104.0 193.2

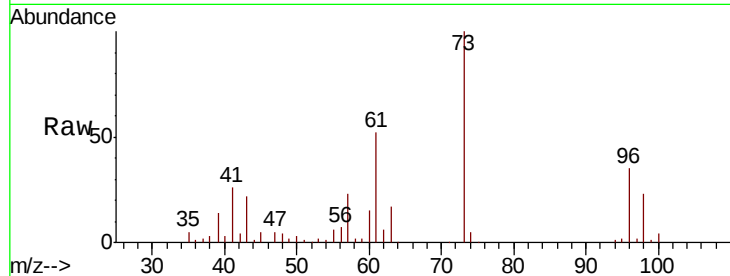




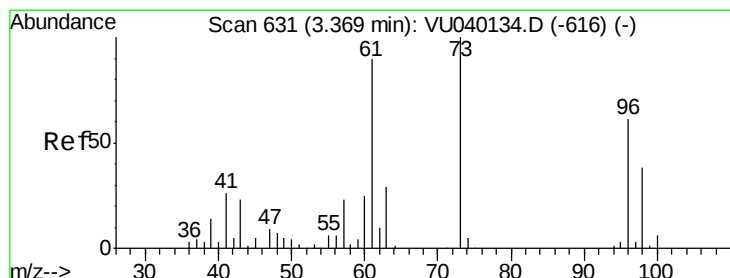
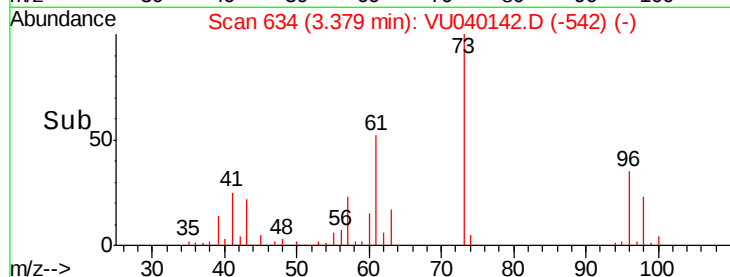
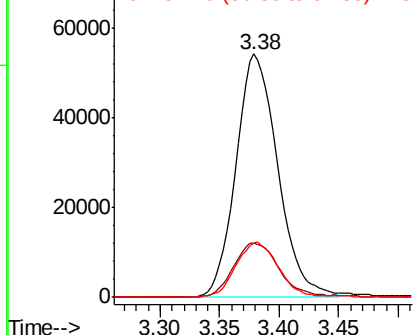
#17
Methvl tert-butvl Ether
Concen: 4.693 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU040142.D
Acq: 16 Sep 2020 10:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Tot Ion: 73 Resp: 132785
Ion Ratio Lower Upper
73 100
43 24.1 19.1 28.7
57 23.3 18.3 27.5

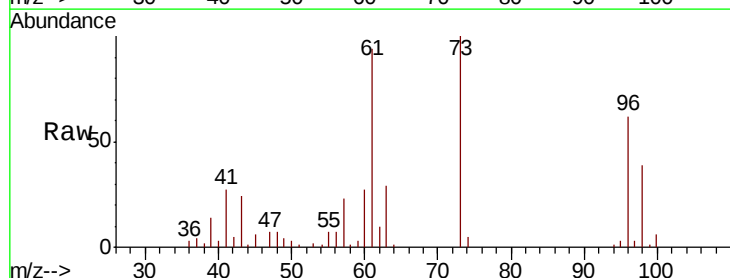


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

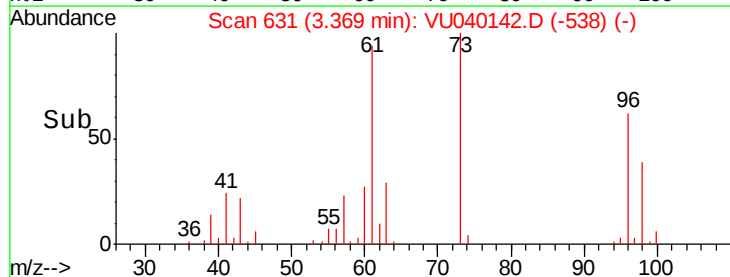
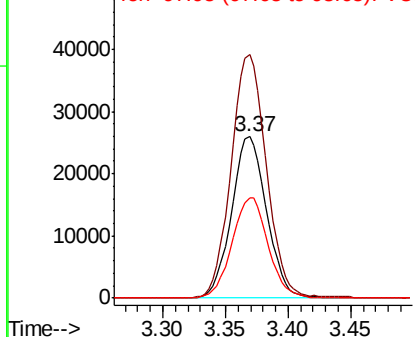


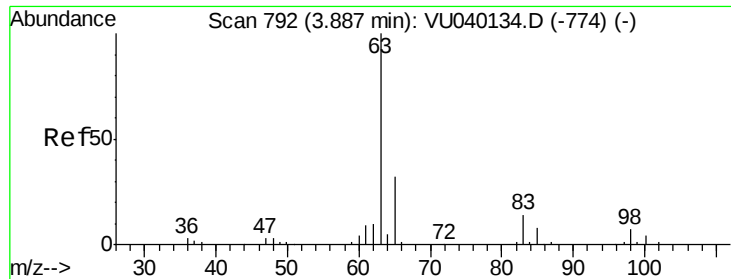
#18
trans-1,2-Dichloroethene
Concen: 4.982 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU040142.D
Acq: 16 Sep 2020 10:19

Tgt Ion: 96 Resp: 50311
Ion Ratio Lower Upper
96 100
61 150.8 110.5 205.3
98 62.5 43.2 80.2



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

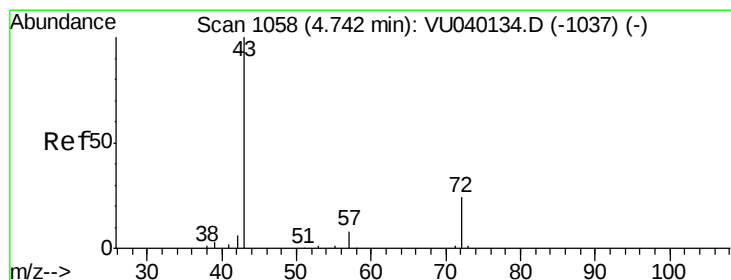
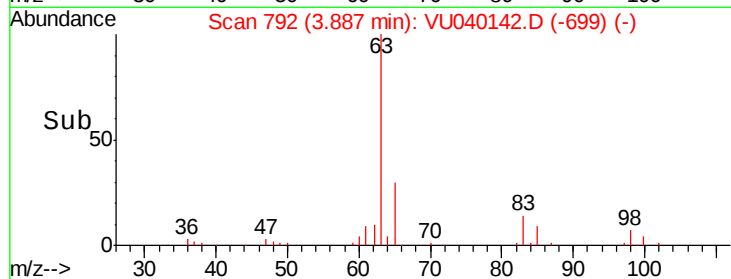
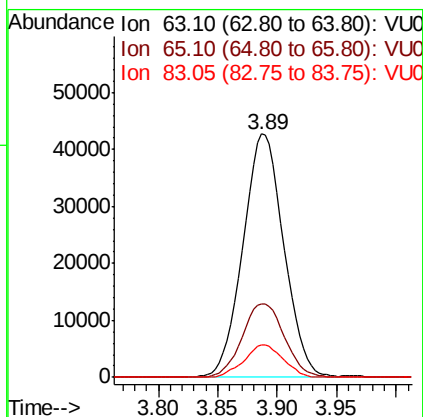
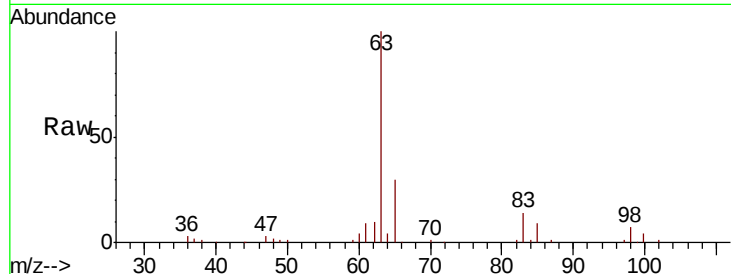




#19
 1,1-Dichloroethane
 Concen: 4.891 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VU040142.D
 Acq: 16 Sep 2020 10:19

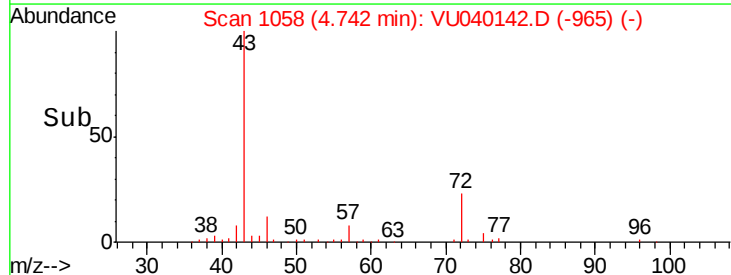
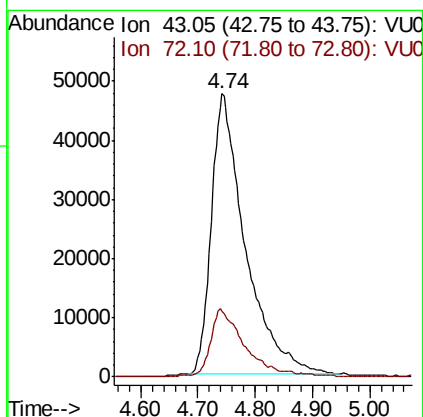
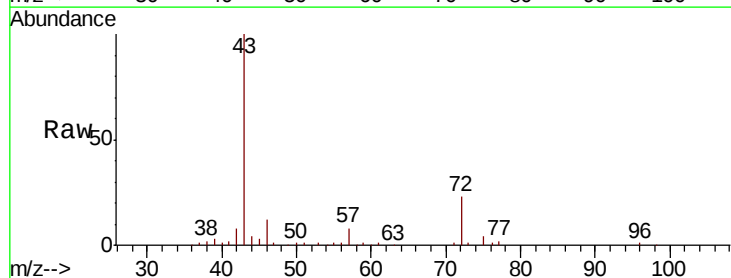
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00508

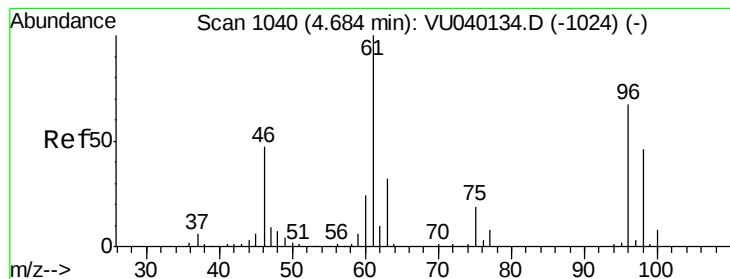
Tot Ion: 63 Resp: 101668
 Ion Ratio Lower Upper
 63 100
 65 30.4 22.2 41.2
 83 13.5 9.4 17.6



#21
 2-Butanone
 Concen: 48.814 ug/L
 RT: 4.74 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VU040142.D
 Acq: 16 Sep 2020 10:19

Tgt Ion: 43 Resp: 195429
 Ion Ratio Lower Upper
 43 100
 72 22.5 11.7 35.0





#22

cis-1,2-Dichloroethene

Concen: 4.974 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU040142.D

Acq: 16 Sep 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

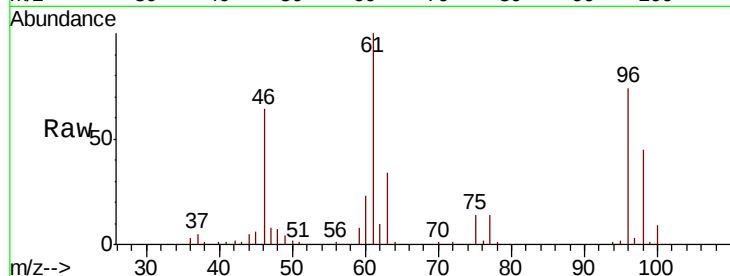
Tot Ion: 96 Resp: 54013

Ion Ratio Lower Upper

96 100

61 135.7 98.8 183.4

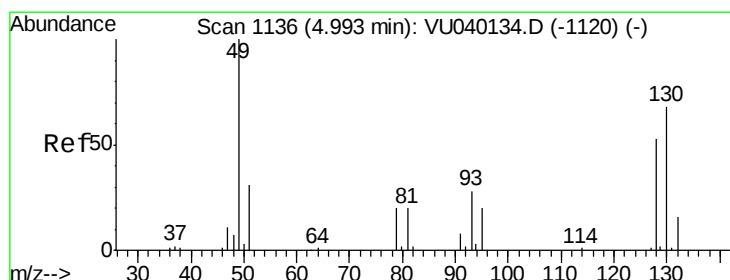
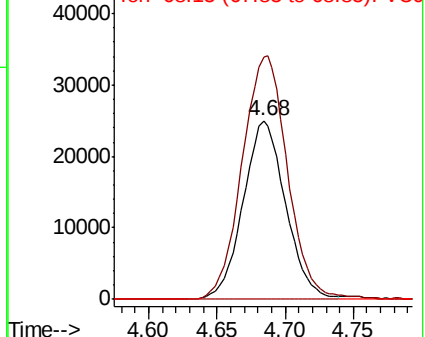
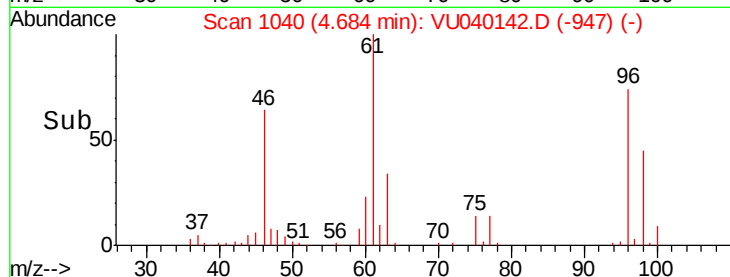
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040142.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040142.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040142.D (-947) (-)



#23

Bromochloromethane

Concen: 5.450 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040142.D

Acq: 16 Sep 2020 10:19

Tgt Ion: 128 Resp: 25927

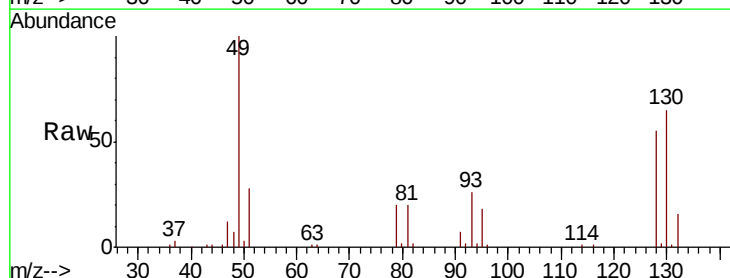
Ion Ratio Lower Upper

128 100

49 183.4 143.4 266.4

130 119.6 89.5 166.3

51 52.2 51.0 76.4

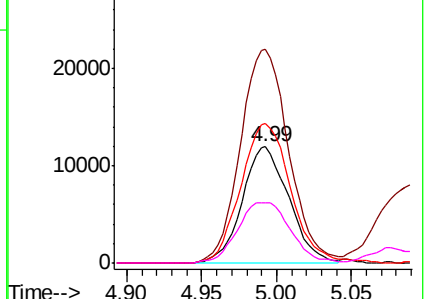
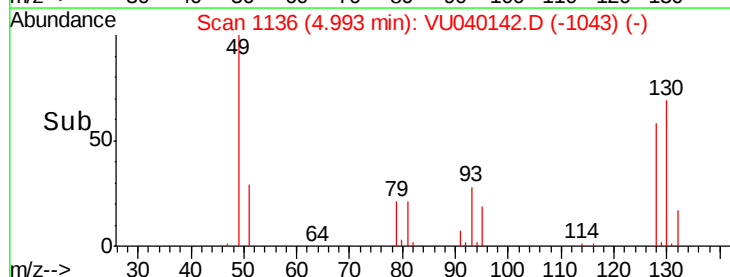


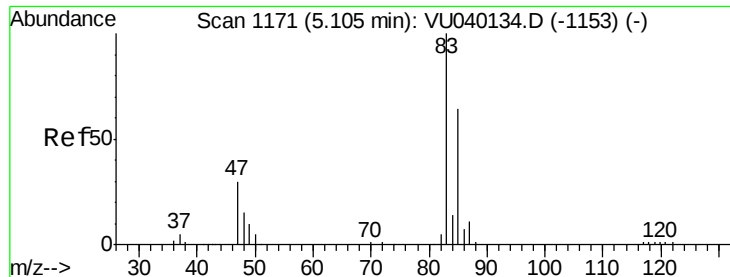
Abundance Ion 127.90 (127.60 to 128.60): VU040142.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU040142.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU040142.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU040142.D (-1043) (-)

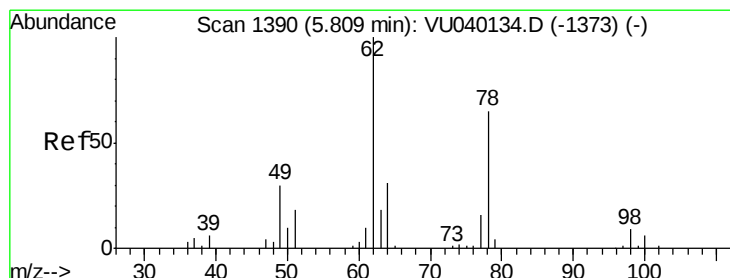
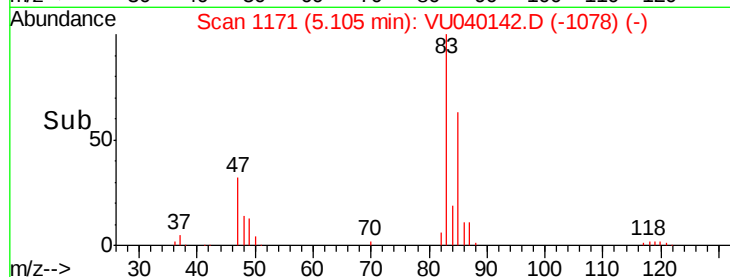
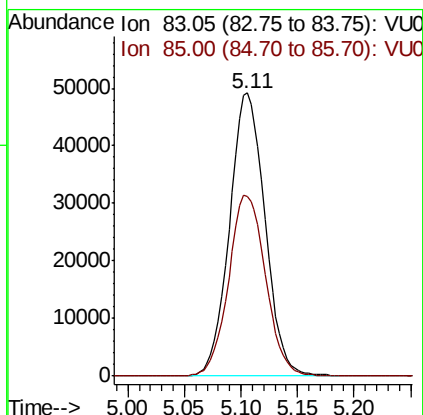
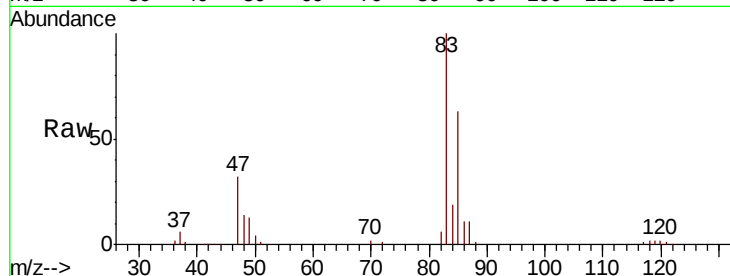




#25
Chloroform
Concen: 5.045 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040142.D
Acq: 16 Sep 2020 10:19

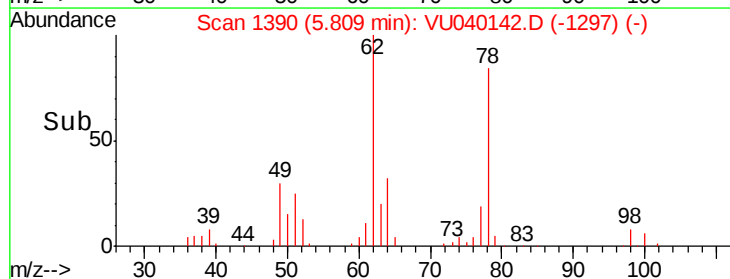
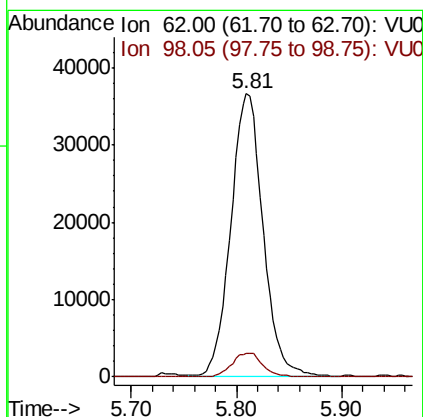
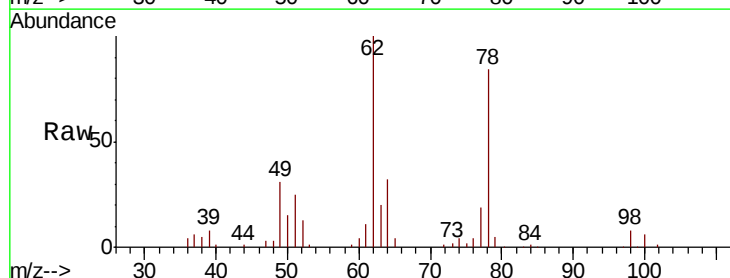
Instrument :
MSVOA_U
ClientSampled :
VSTD00508

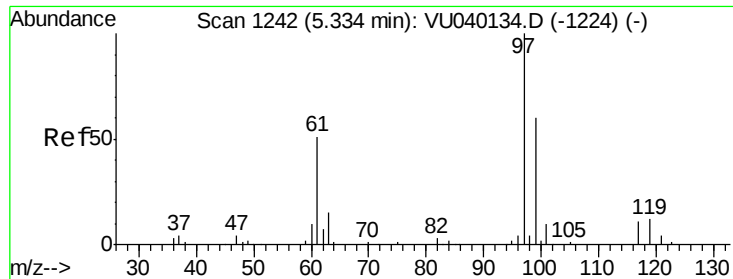
Tot Ion: 83 Resp: 107383
Ion Ratio Lower Upper
83 100
85 63.4 45.3 84.1



#27
1,2-Dichloroethane
Concen: 4.993 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040142.D
Acq: 16 Sep 2020 10:19

Tgt Ion: 62 Resp: 77866
Ion Ratio Lower Upper
62 100
98 8.2 6.1 9.1

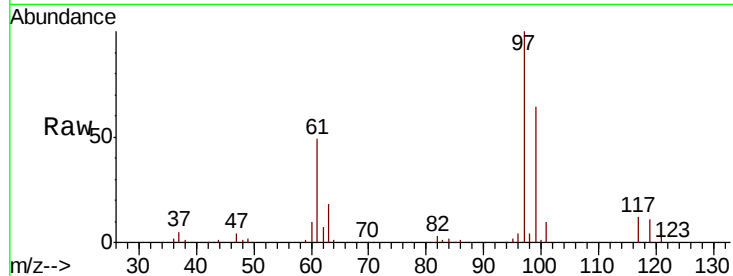




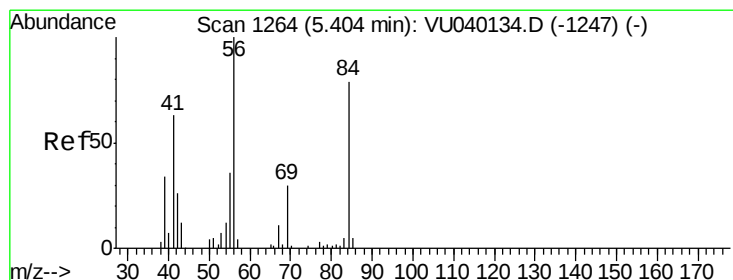
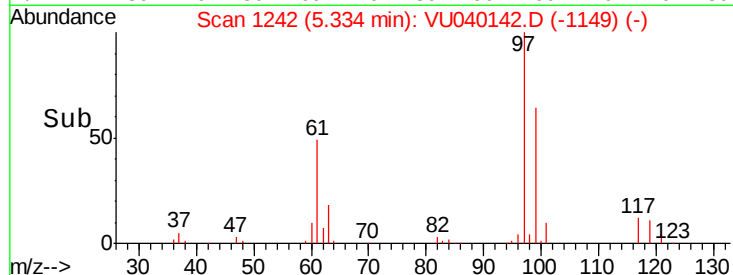
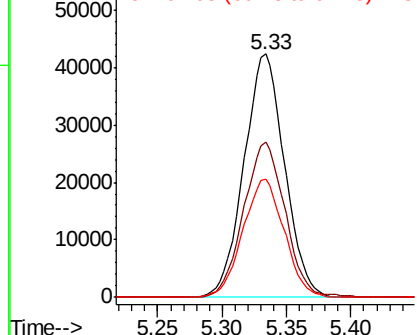
#29
 1,1,1-Trichloroethane
 Concen: 5.031 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040142.D
 Acq: 16 Sep 2020 10:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Tot Ion: 97 Resp: 92953
 Ion Ratio Lower Upper
 97 100
 99 65.0 50.9 76.3
 61 49.4 39.5 59.3

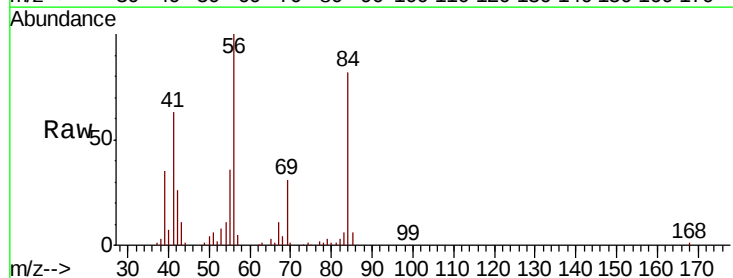


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

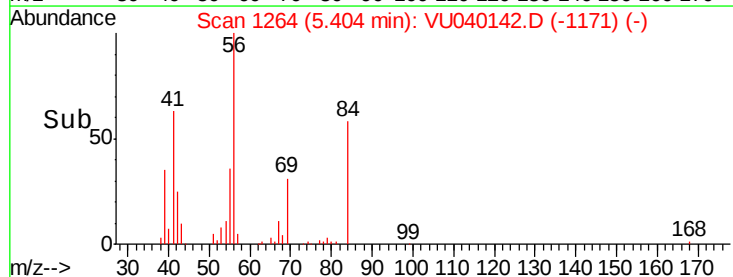
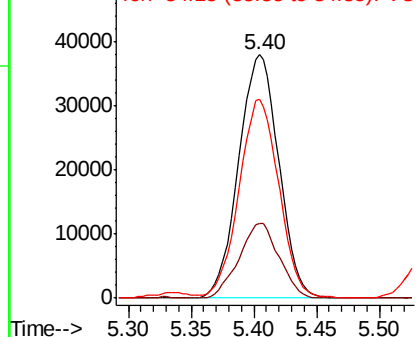


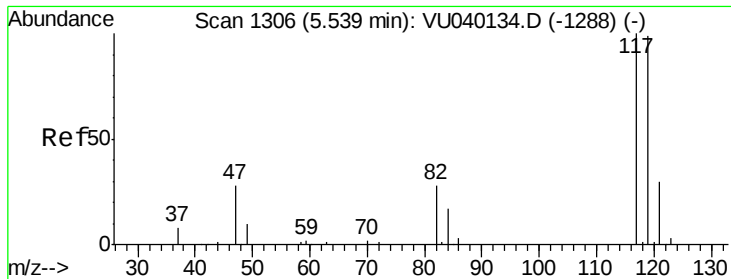
#30
 Cyclohexane
 Concen: 4.715 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU040142.D
 Acq: 16 Sep 2020 10:19

Tgt Ion: 56 Resp: 84472
 Ion Ratio Lower Upper
 56 100
 69 30.6 24.1 36.1
 84 81.3 65.0 97.4



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.066 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU040142.D

Acq: 16 Sep 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

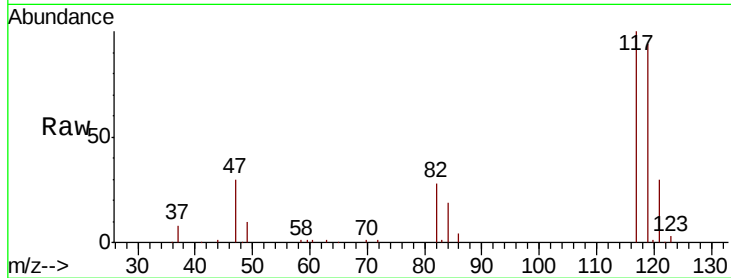
VSTD00508

Tot Ion:117 Resp: 80110

Ion Ratio Lower Upper

117 100

119 93.6 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

40000

30000

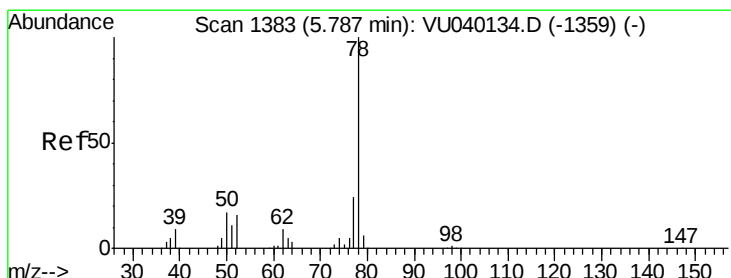
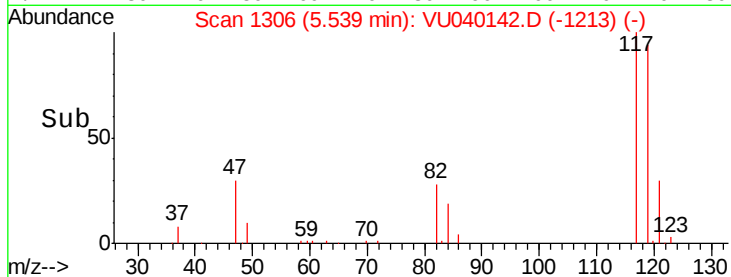
20000

10000

0

5.45 5.50 5.55 5.60

Time-->



#33

Benzene

Concen: 5.103 ug/L

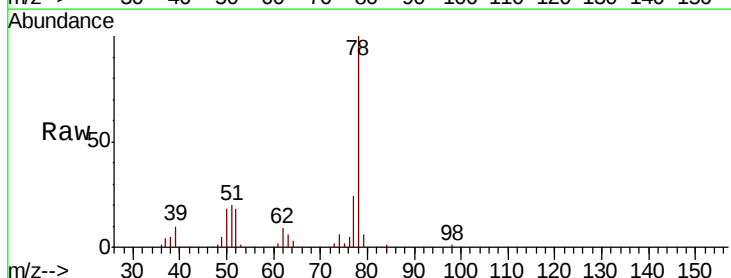
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VU040142.D

Acq: 16 Sep 2020 10:19

Tgt Ion: 78 Resp: 214812



Abundance Ion 78.10 (77.80 to 78.80): VU0

120000

100000

80000

60000

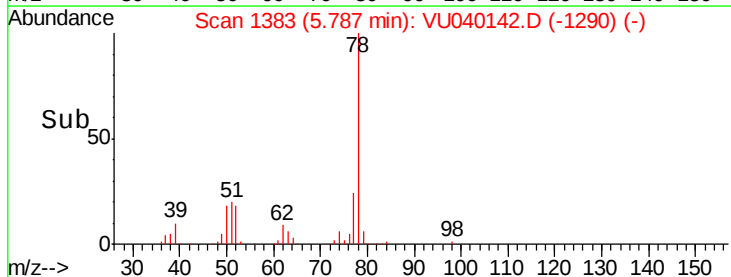
40000

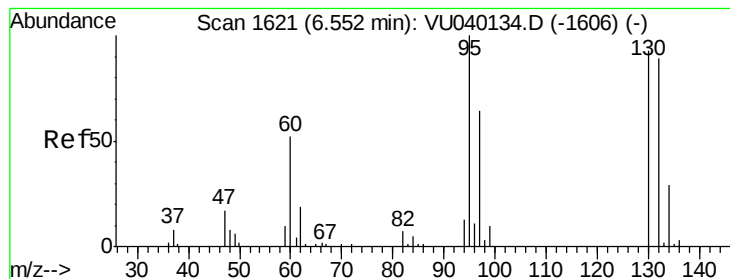
20000

0

5.70 5.80 5.90

Time-->





#34

Trichloroethene

Concen: 4.924 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU040142.D

Acq: 16 Sep 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

Tot Ion: 95 Resp: 55608

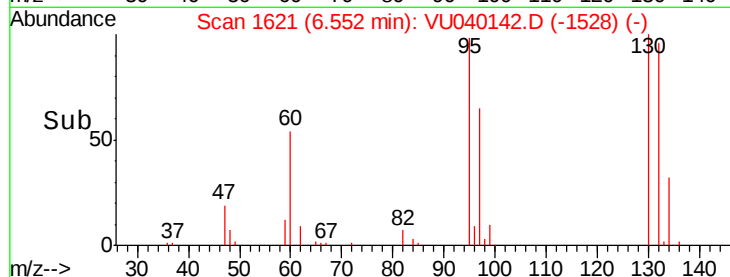
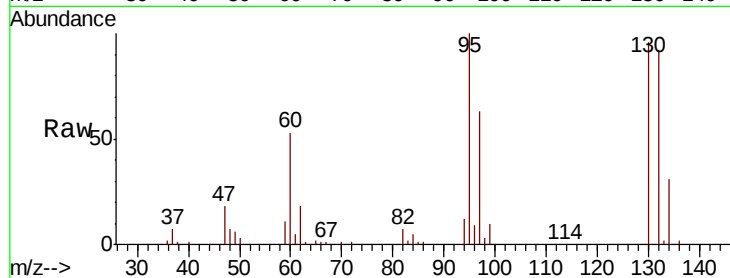
Ion Ratio Lower Upper

95 100

97 62.8 43.3 80.5

132 92.0 59.4 110.4

130 95.9 64.8 120.4

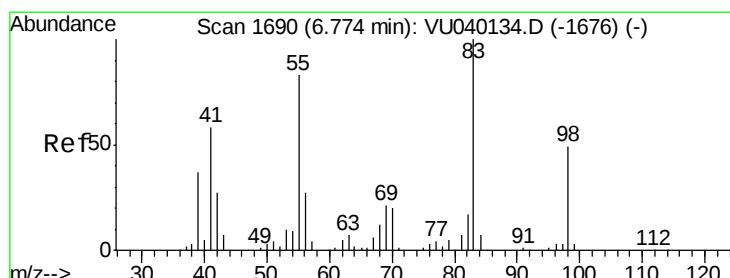
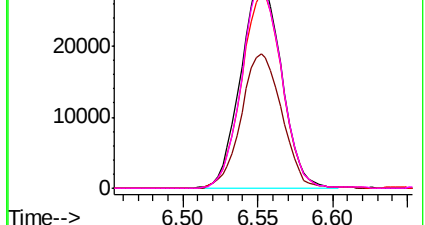


Abundance Ion 95.00 (94.70 to 95.70): VU040142.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU040142.D (-1528) (-)

Ion 131.95 (131.65 to 132.65): VU040142.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU040142.D (-1528) (-)



#35

Methylcyclohexane

Concen: 4.876 ug/L

RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VU040142.D

Acq: 16 Sep 2020 10:19

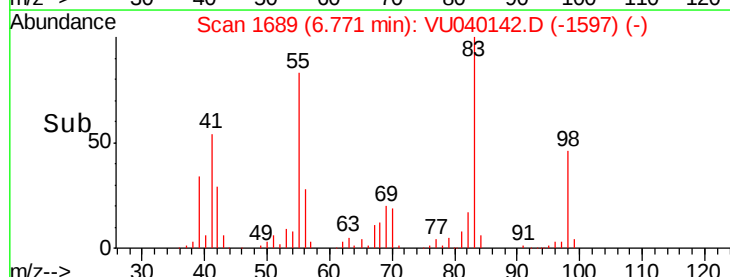
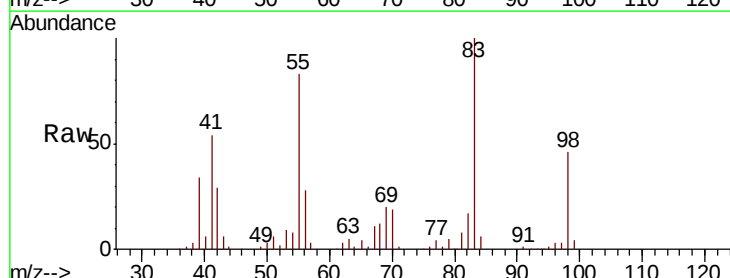
Tgt Ion: 83 Resp: 84316

Ion Ratio Lower Upper

83 100

55 83.2 70.5 105.7

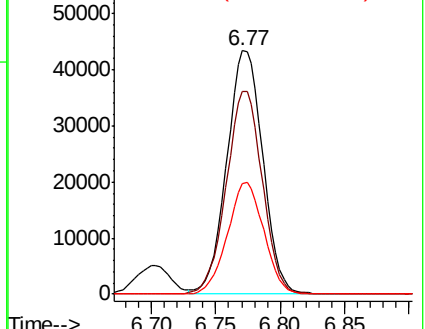
98 46.3 37.8 56.6

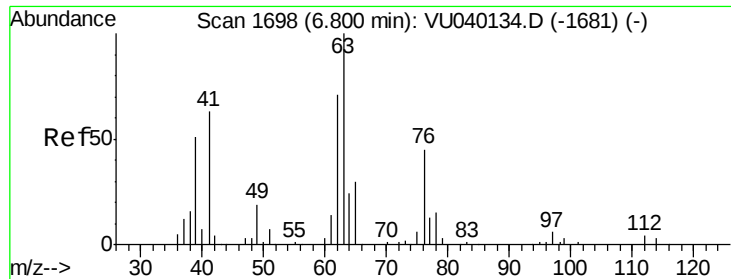


Abundance Ion 83.15 (82.85 to 83.85): VU040142.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU040142.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU040142.D (-1597) (-)

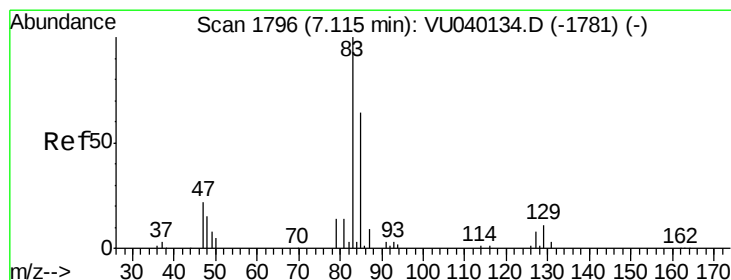
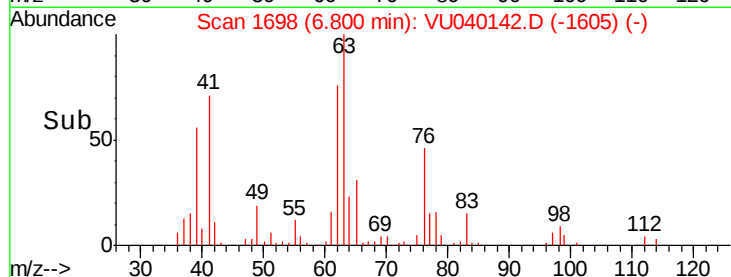
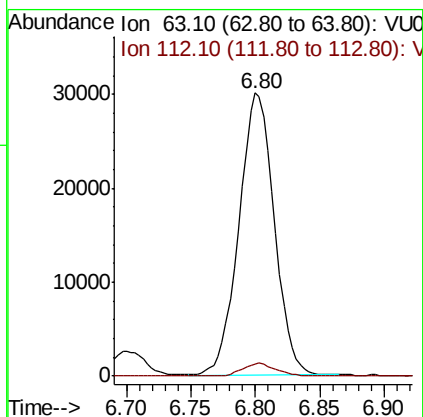
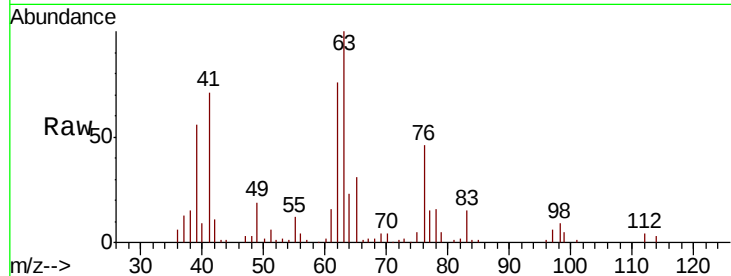




#37
 1,2-Dichloropropane
 Concen: 5.039 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU040142.D
 Acq: 16 Sep 2020 10:19

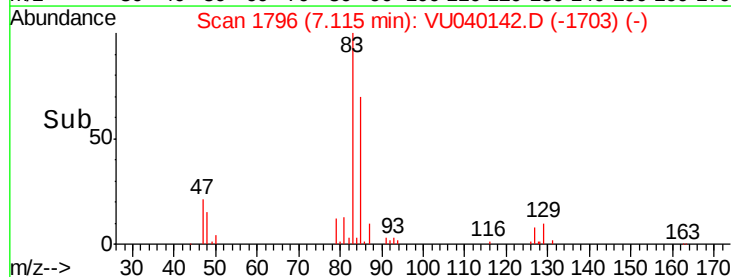
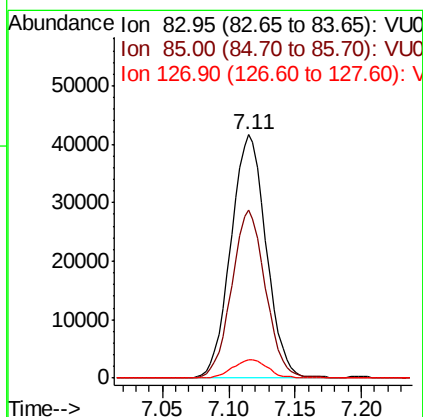
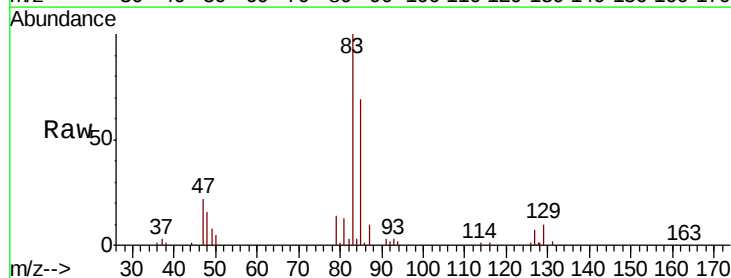
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

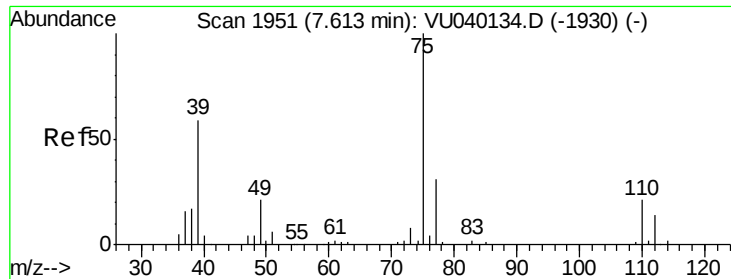
Tot Ion: 63 Resp: 57441
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.2 4.8



#38
 Bromodichloromethane
 Concen: 4.944 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040142.D
 Acq: 16 Sep 2020 10:19

Tgt Ion: 83 Resp: 76939
 Ion Ratio Lower Upper
 83 100
 85 69.0 45.1 83.9
 127 7.4 6.7 10.1

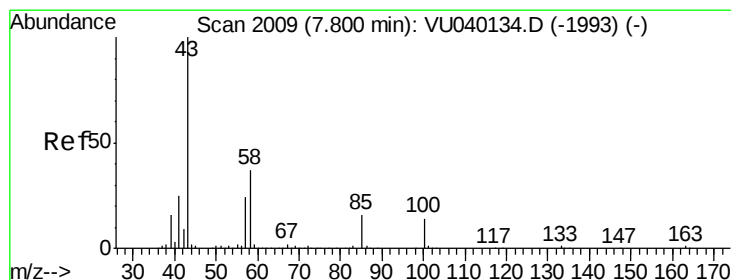
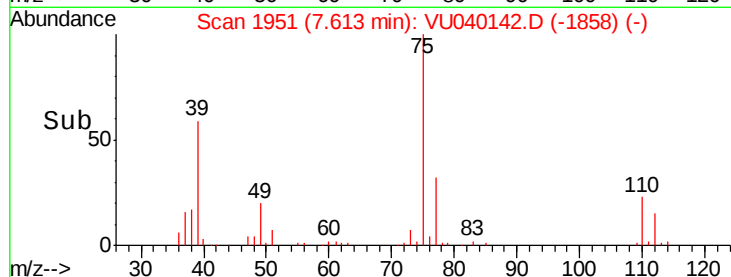
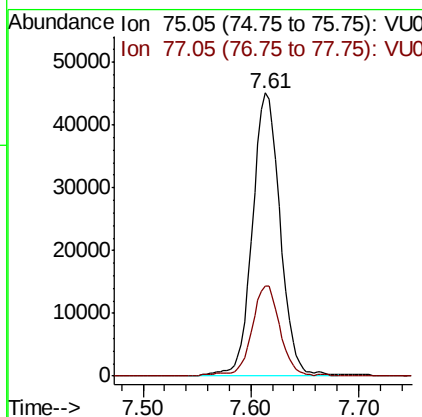
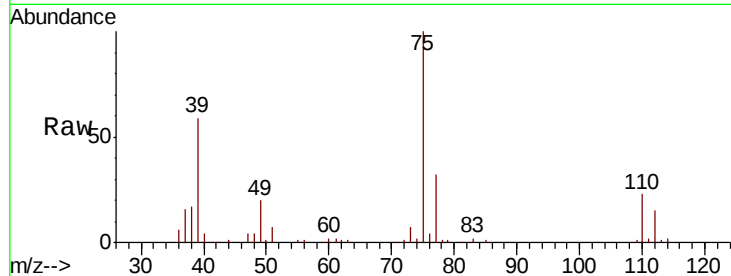




#39
 cis-1,3-Dichloropropene
 Concen: 4.803 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU040142.D
 Acq: 16 Sep 2020 10:19

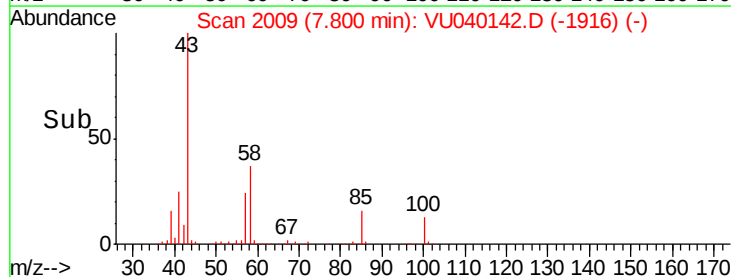
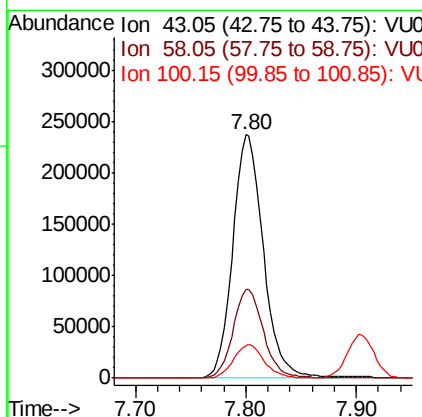
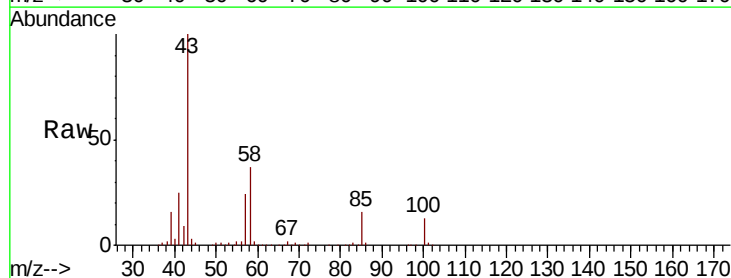
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

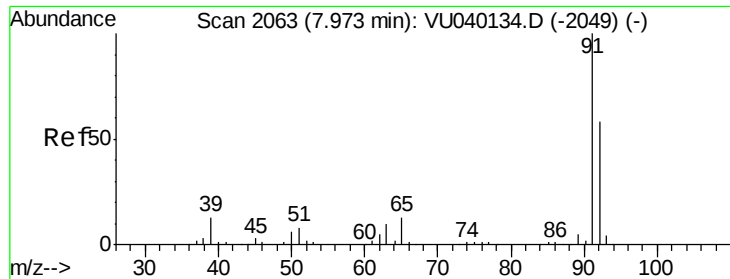
Tot Ion: 75 Resp: 80744
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.1 39.3



#40
 4-Methyl-2-pentanone
 Concen: 48.702 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040142.D
 Acq: 16 Sep 2020 10:19

Tgt Ion: 43 Resp: 455497
 Ion Ratio Lower Upper
 43 100
 58 36.3 28.7 43.1
 100 13.9 10.2 15.2





#42

Toluene

Concen: 5.188 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU040142.D

Acq: 16 Sep 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

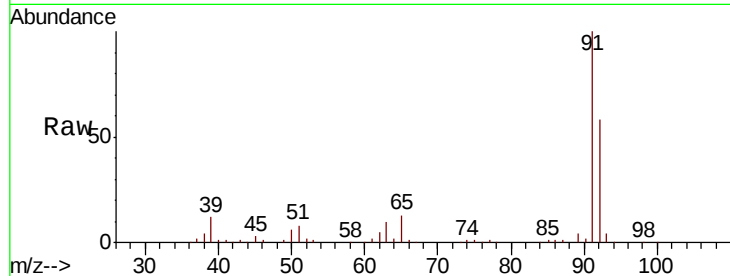
VSTD00508

Tot Ion: 91 Resp: 224920

Ion Ratio Lower Upper

91 100

92 57.8 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU040134.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040134.D (-2049) (-)

7.97

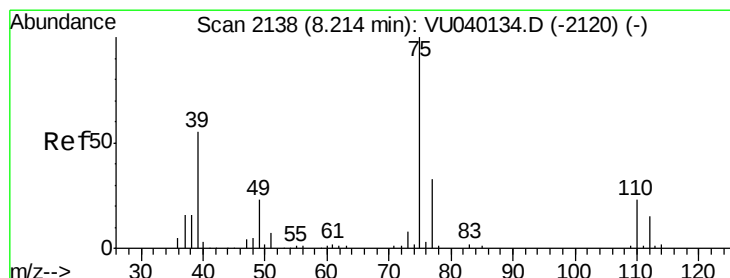
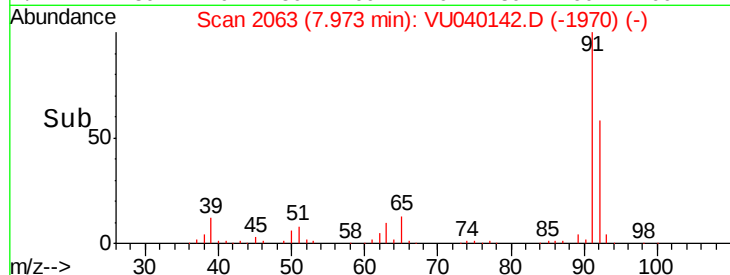
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.885 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU040142.D

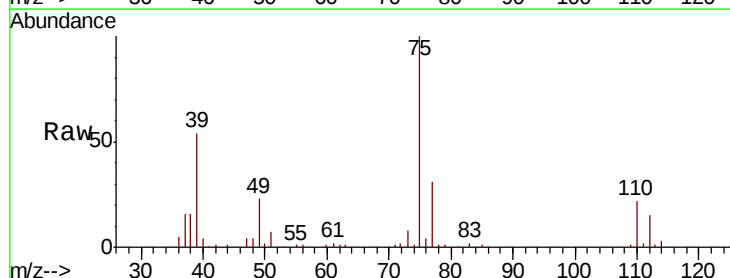
Acq: 16 Sep 2020 10:19

Tgt Ion: 75 Resp: 76094

Ion Ratio Lower Upper

75 100

77 31.3 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU040134.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040134.D (-2120) (-)

8.21

50000

40000

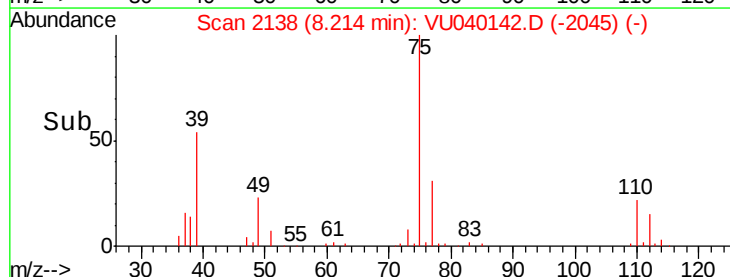
30000

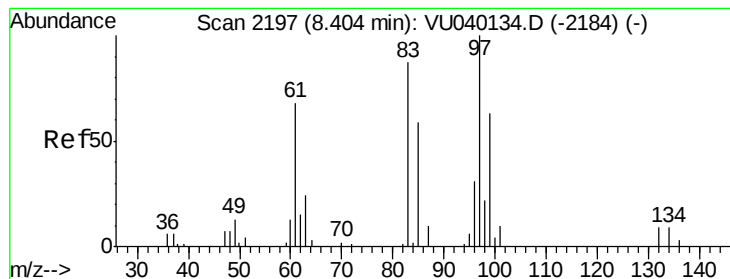
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.087 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU040142.D

Acq: 16 Sep 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

Tot Ion: 97 Resp: 42239

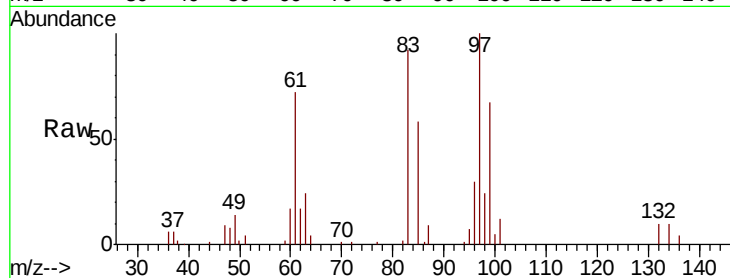
Ion Ratio Lower Upper

97 100

99 66.5 43.0 79.8

83 91.9 61.7 114.7

85 58.4 39.3 73.1

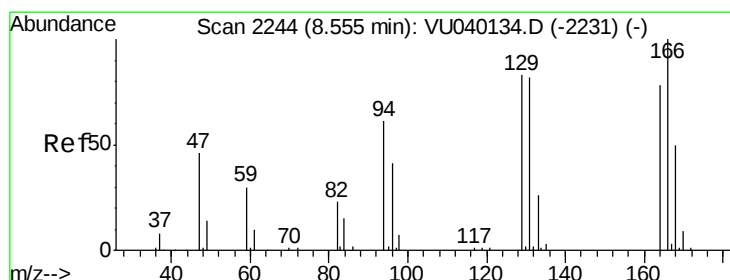
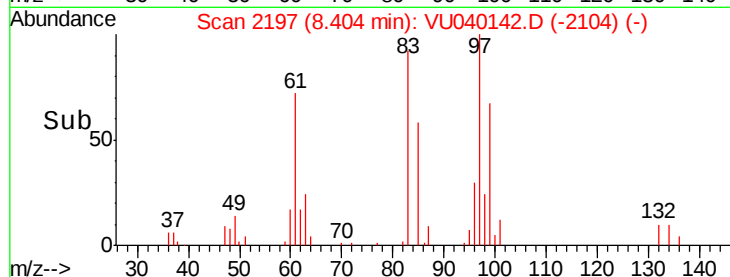
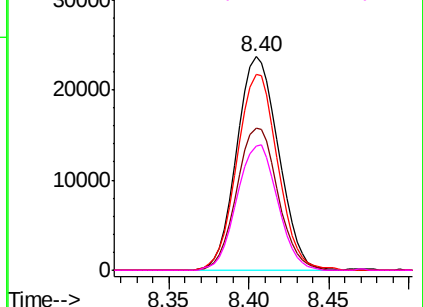


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.166 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU040142.D

Acq: 16 Sep 2020 10:19

Tgt Ion: 164 Resp: 38322

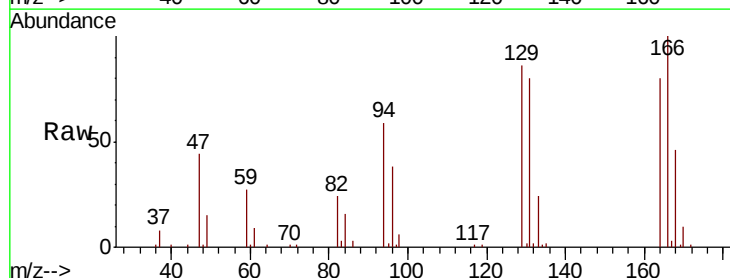
Ion Ratio Lower Upper

164 100

129 106.5 71.5 132.7

131 99.4 65.9 122.5

166 124.2 87.3 162.1

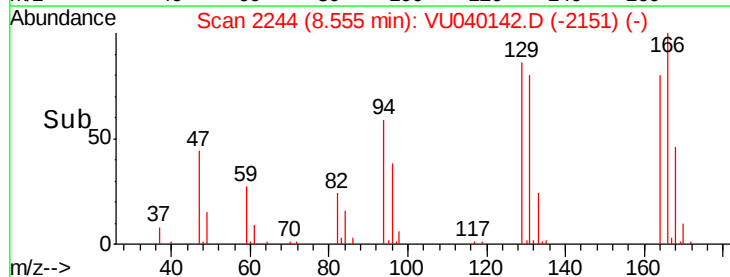
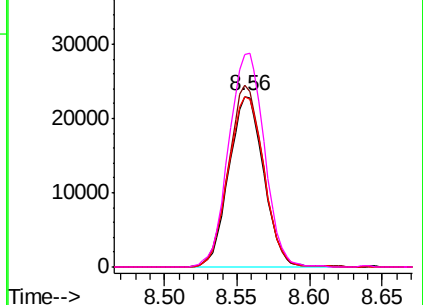


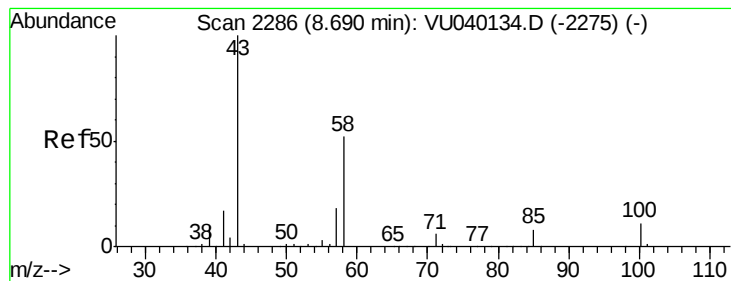
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V





#48

2-Hexanone

Concen: 49.632 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU040142.D

Acq: 16 Sep 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

Tot Ion: 43 Resp: 338601

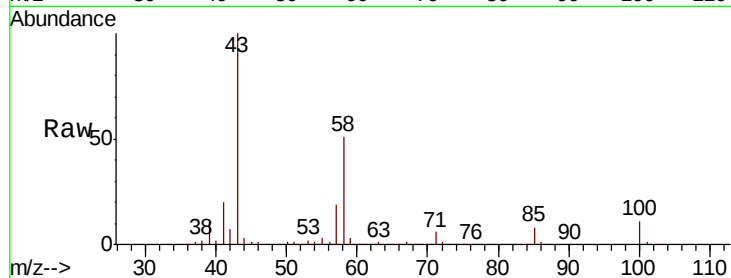
Ion Ratio Lower Upper

43 100

58 49.8 39.6 59.4

57 18.7 14.3 21.5

100 10.4 8.0 12.0

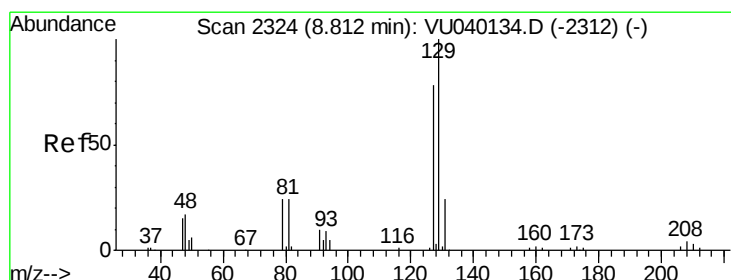
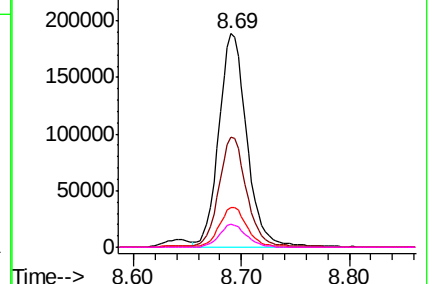
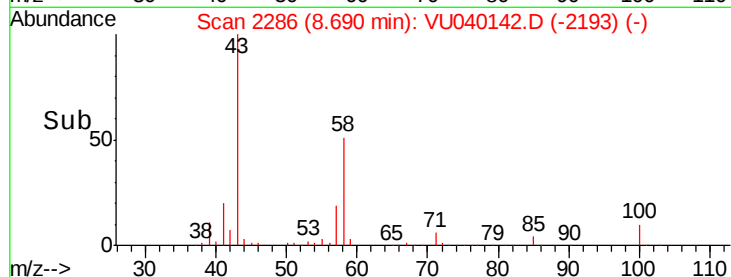


Abundance Ion 43.05 (42.75 to 43.75): VU040134.D (-2275) (-)

Ion 58.05 (57.75 to 58.75): VU040134.D (-2275) (-)

Ion 57.20 (56.90 to 57.90): VU040134.D (-2275) (-)

Ion 100.15 (99.85 to 100.85): VU040134.D (-2275) (-)



#49

Dibromochloromethane

Concen: 5.134 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. 0.00 min

Lab File: VU040142.D

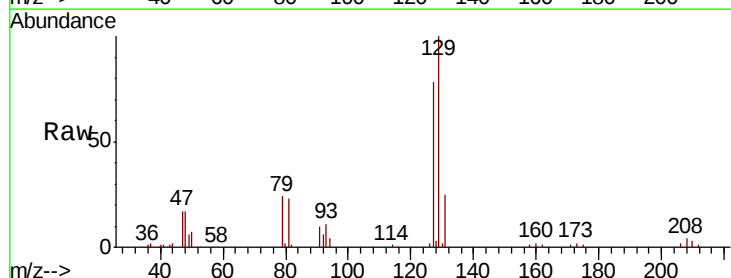
Acq: 16 Sep 2020 10:19

Tgt Ion: 129 Resp: 51168

Ion Ratio Lower Upper

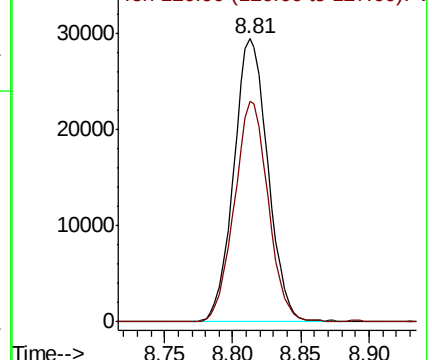
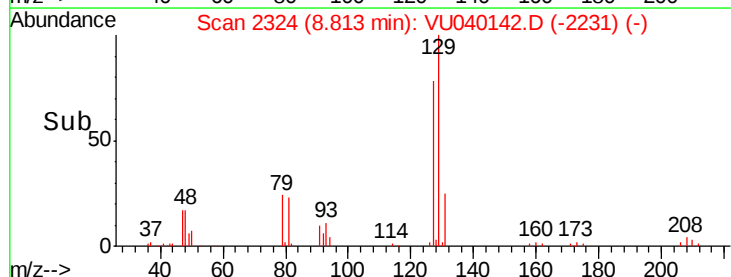
129 100

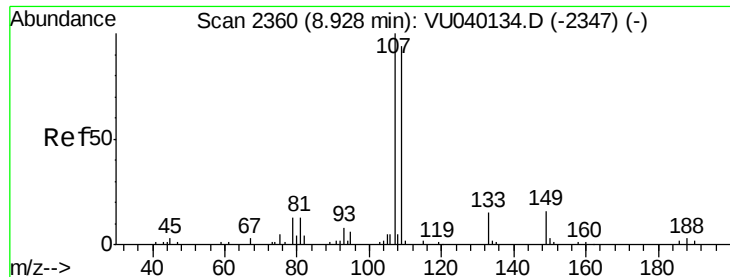
127 78.1 53.7 99.7



Abundance Ion 128.95 (128.65 to 129.65): VU040134.D (-2312) (-)

Ion 126.90 (126.60 to 127.60): VU040134.D (-2312) (-)

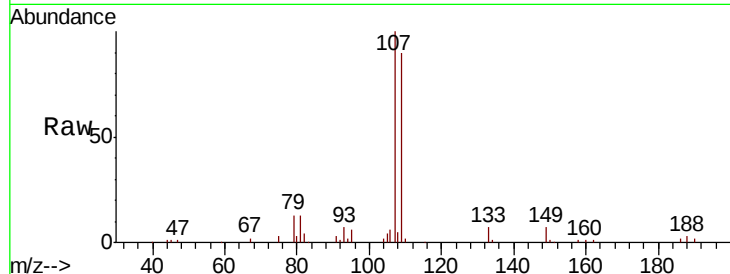




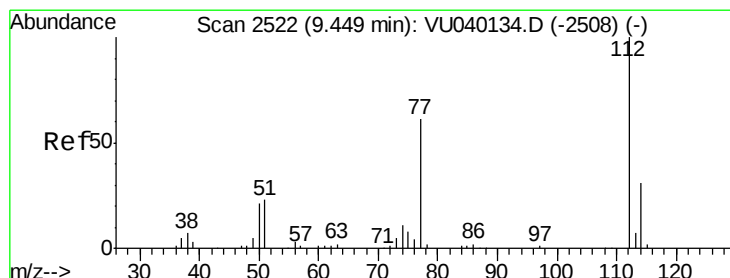
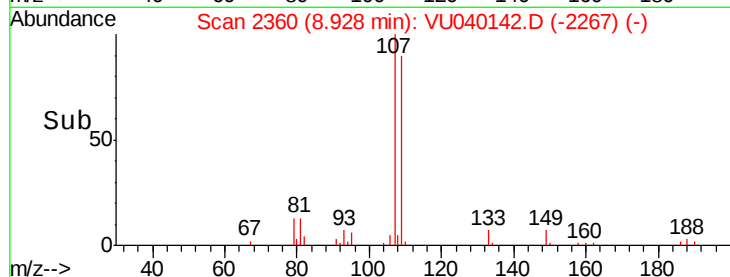
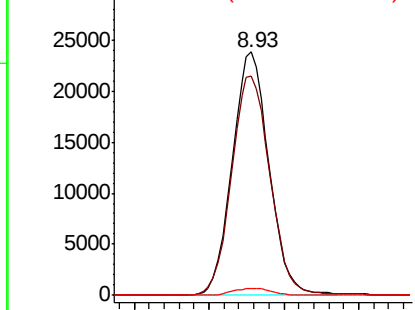
#50
1,2-Dibromoethane
Concen: 5.082 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU040142.D
Acq: 16 Sep 2020 10:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Tot Ion:107 Resp: 40685
Ion Ratio Lower Upper
107 100
109 89.8 62.4 115.8
188 2.8 2.3 3.5

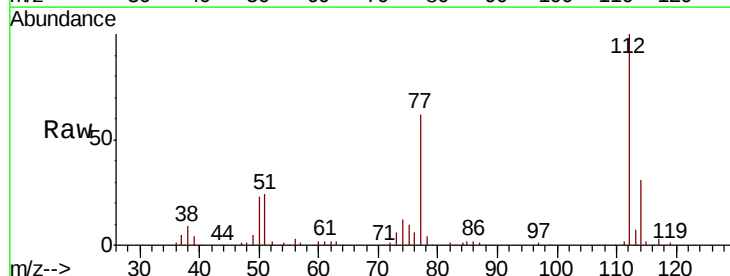


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

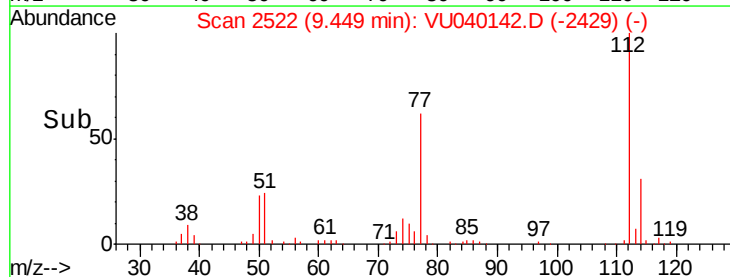
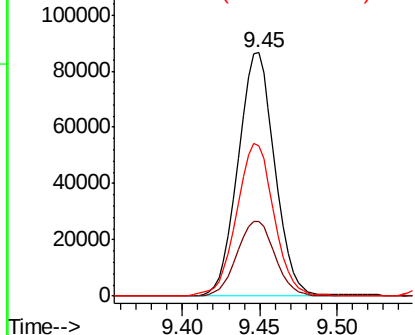


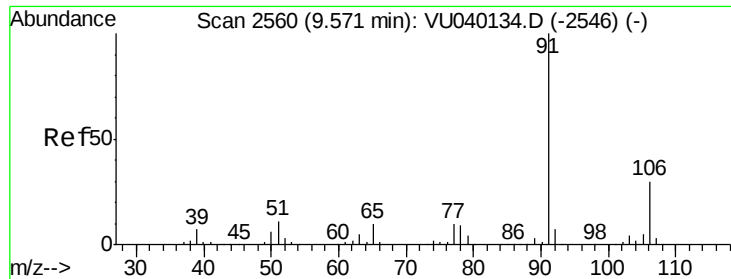
#51
Chlorobenzene
Concen: 5.308 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040142.D
Acq: 16 Sep 2020 10:19

Tgt Ion:112 Resp: 142864
Ion Ratio Lower Upper
112 100
114 30.7 22.7 42.3
77 61.8 53.2 79.8



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: 5.090 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040142.D

Acq: 16 Sep 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

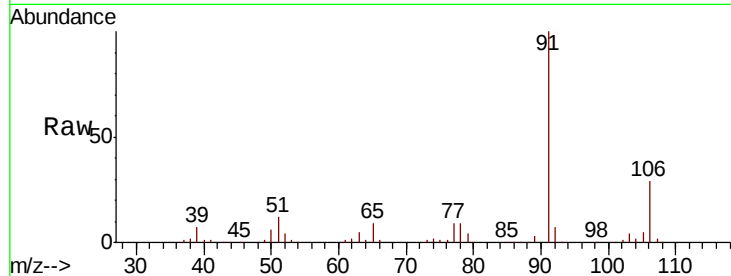
VSTD00508

Tot Ion: 91 Resp: 250729

Ion Ratio Lower Upper

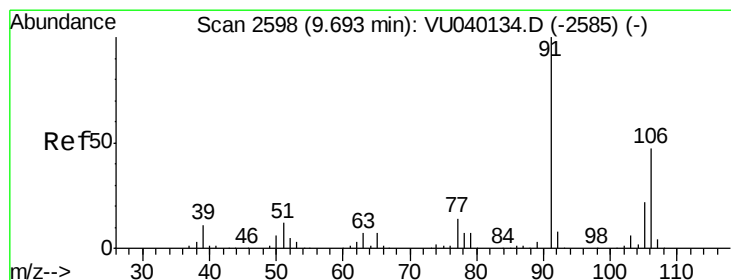
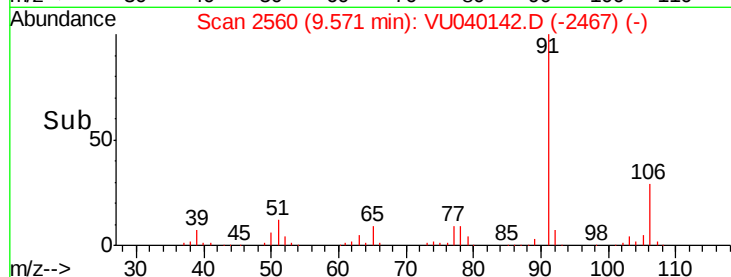
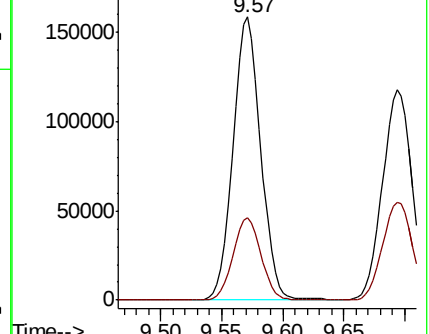
91 100

106 29.0 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-Xylene

Concen: 5.315 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040142.D

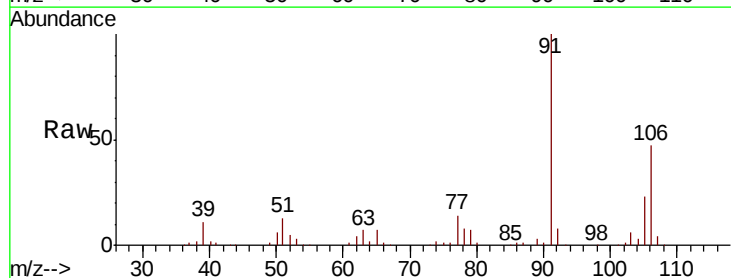
Acq: 16 Sep 2020 10:19

Tgt Ion: 106 Resp: 93205

Ion Ratio Lower Upper

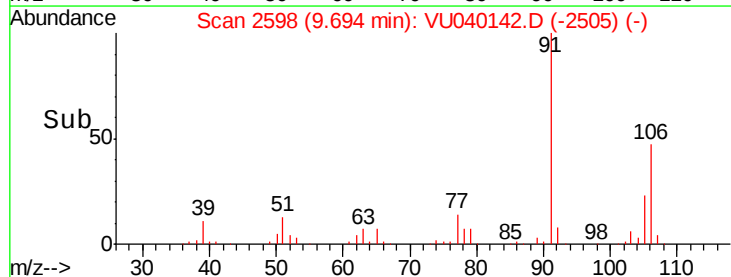
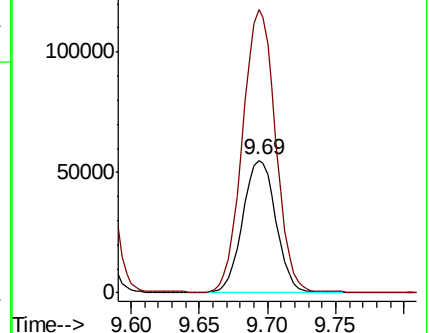
106 100

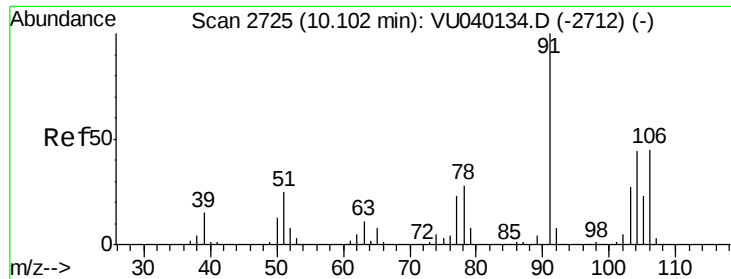
91 213.6 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

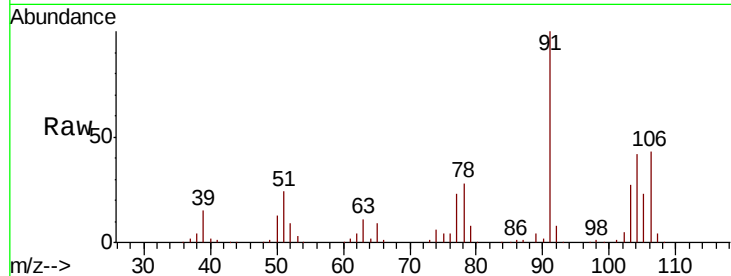




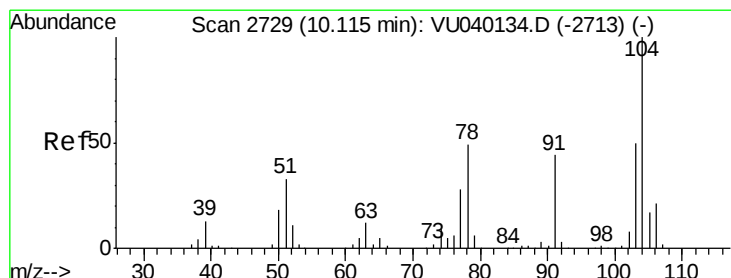
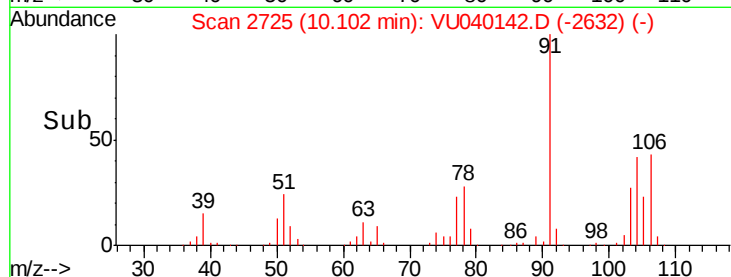
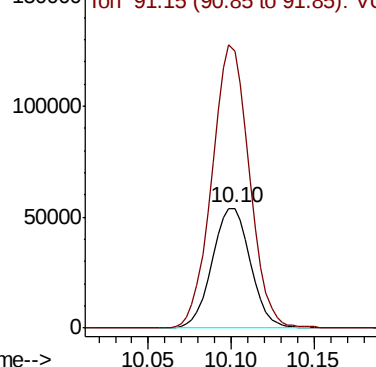
#54
o-Xylene
Concen: 5.200 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040142.D
Acq: 16 Sep 2020 10:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Tot Ion:106 Resp: 86911
Ion Ratio Lower Upper
106 100
91 231.2 160.8 298.6

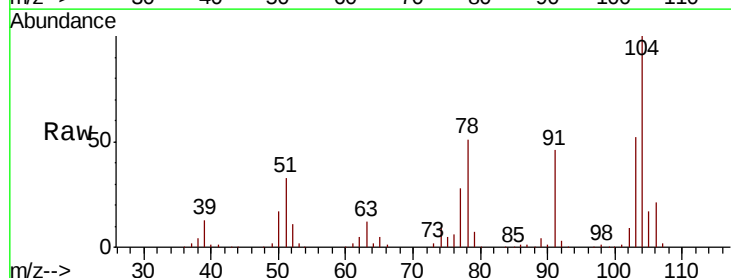


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

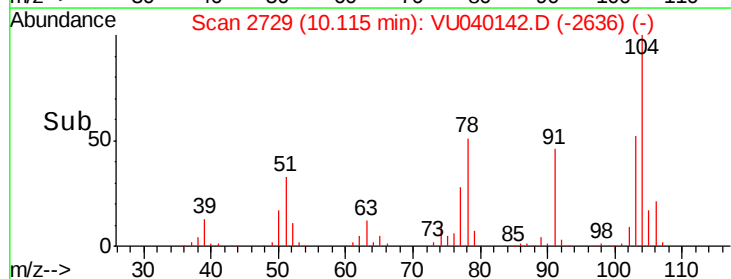
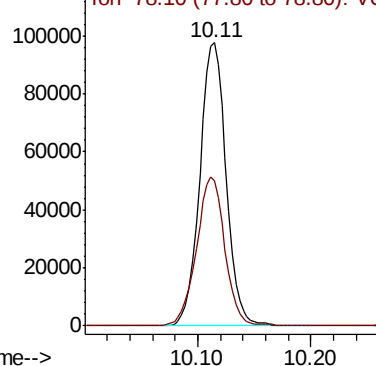


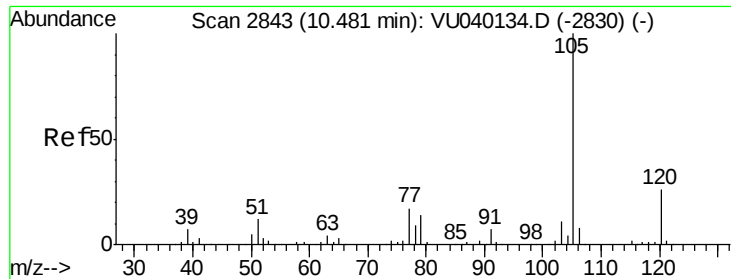
#55
Styrene
Concen: 5.442 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040142.D
Acq: 16 Sep 2020 10:19

Tgt Ion:104 Resp: 158164
Ion Ratio Lower Upper
104 100
78 51.2 36.8 68.3



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





#56

Isopropylbenzene

Concen: 5.273 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU040142.D

Acq: 16 Sep 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

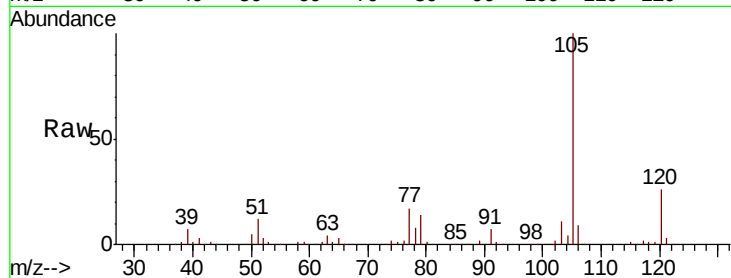
Tot Ion: 105 Resp: 240357

Ion Ratio Lower Upper

105 100

120 25.9 20.1 30.1

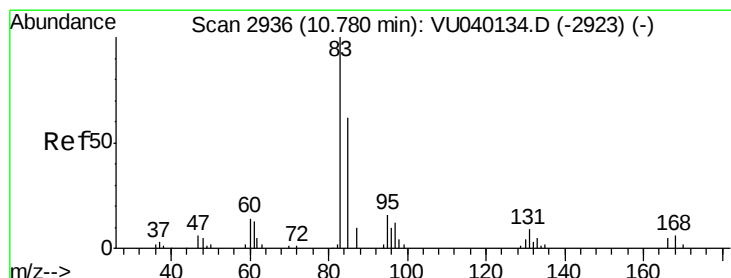
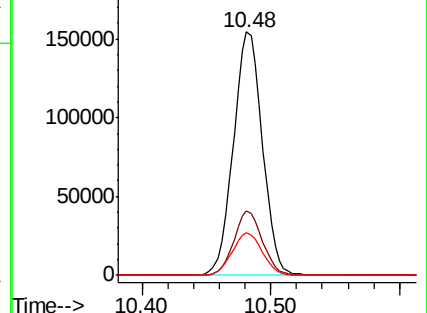
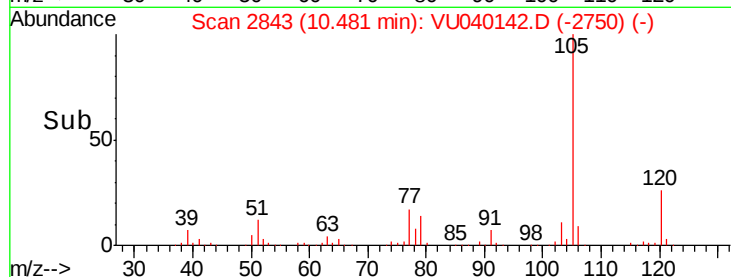
77 18.1 14.4 21.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.238 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040142.D

Acq: 16 Sep 2020 10:19

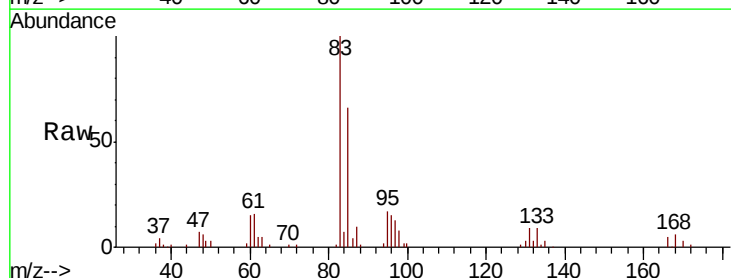
Tgt Ion: 83 Resp: 55776

Ion Ratio Lower Upper

83 100

85 65.8 44.9 83.3

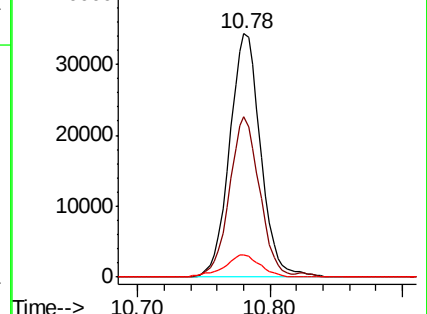
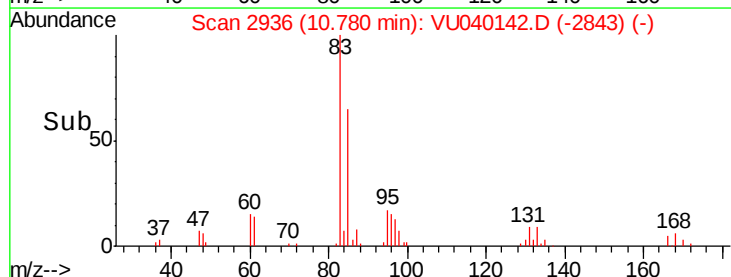
131 9.2 7.4 11.0

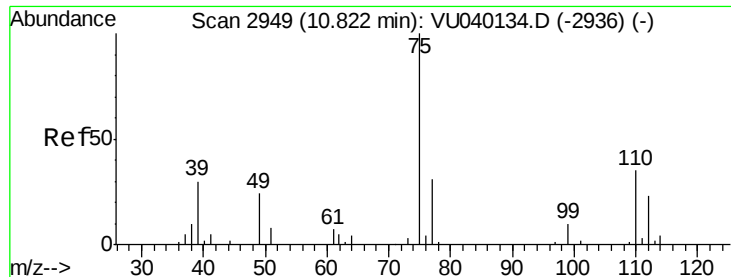


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.033 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040142.D

Acq: 16 Sep 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

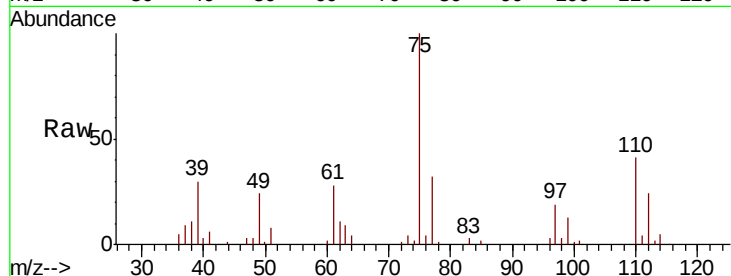
VSTD00508

Tot Ion: 75 Resp: 42504

Ion Ratio Lower Upper

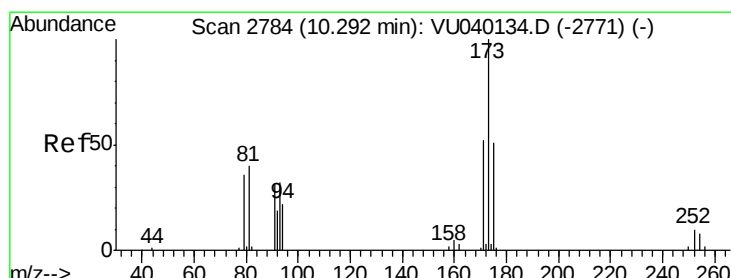
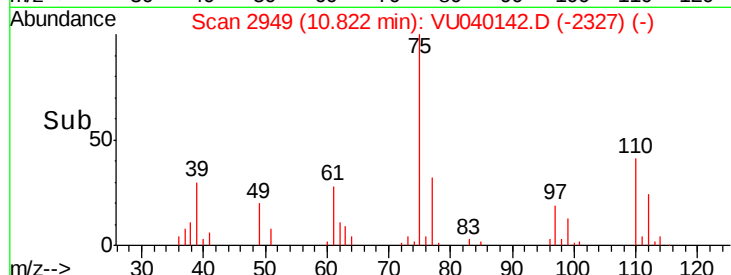
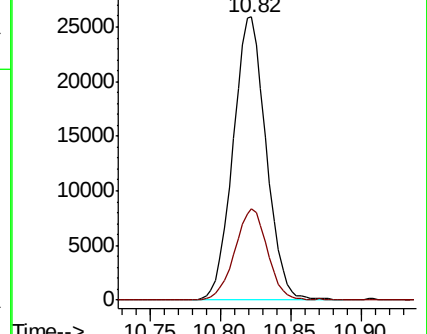
75 100

77 31.7 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VU040134.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU040134.D (-2936) (-)



#61

Bromoform

Concen: 4.682 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040142.D

Acq: 16 Sep 2020 10:19

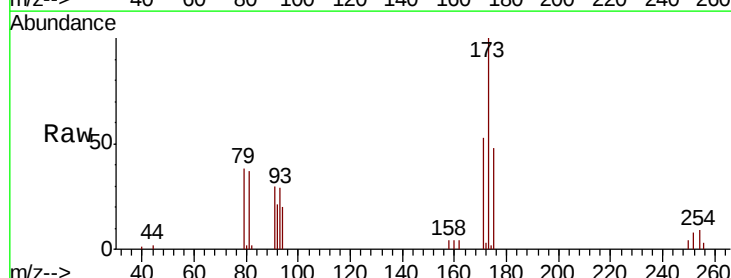
Tgt Ion: 173 Resp: 25735

Ion Ratio Lower Upper

173 100

175 47.2 37.8 56.6

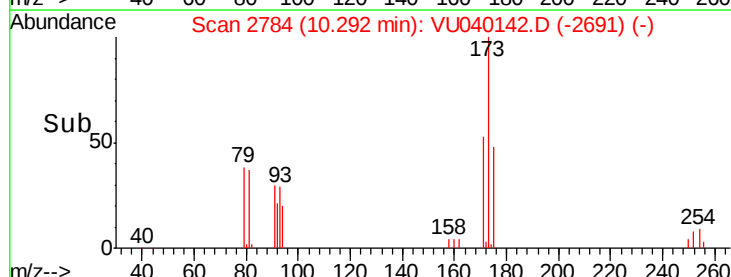
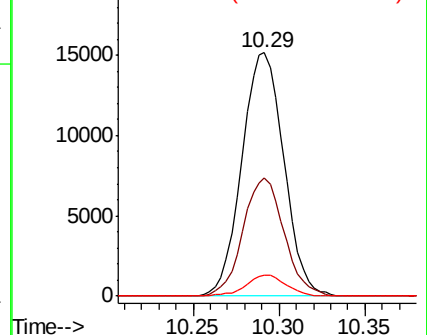
254 8.2 6.8 10.2

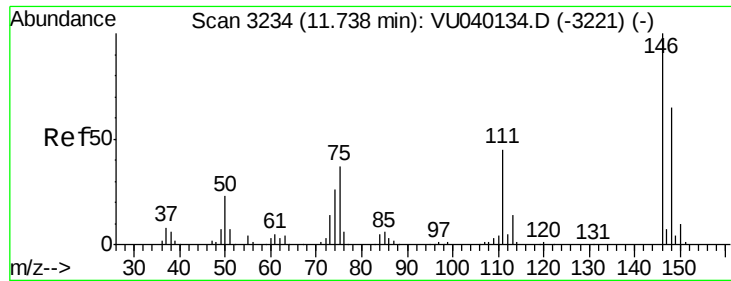


Abundance Ion 172.90 (172.60 to 173.60): VU040134.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU040134.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU040134.D (-2771) (-)





#62

1,3-Dichlorobenzene

Concen: 5.278 ug/L

RT: 11.74 min Scan# 3234

Delta R.T. 0.00 min

Lab File: VU040142.D

Acq: 16 Sep 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

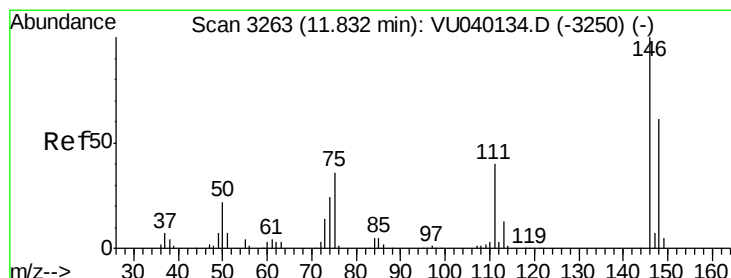
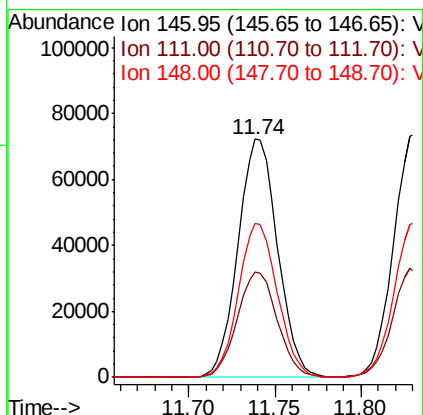
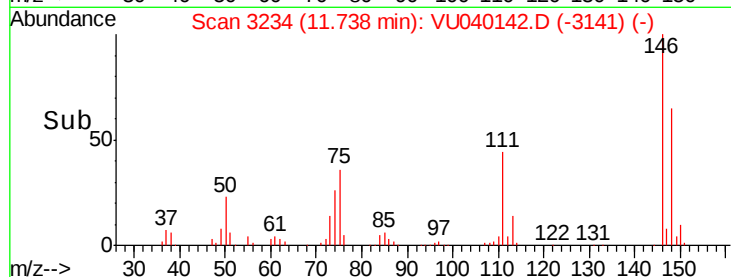
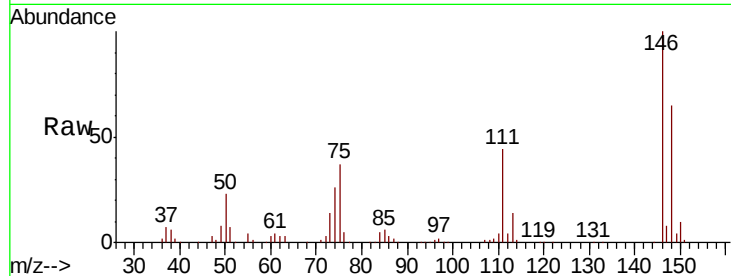
Tot Ion:146 Resp: 115610

Ion Ratio Lower Upper

146 100

111 44.4 31.6 58.8

148 64.9 44.2 82.0



#63

1,4-Dichlorobenzene

Concen: 5.305 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040142.D

Acq: 16 Sep 2020 10:19

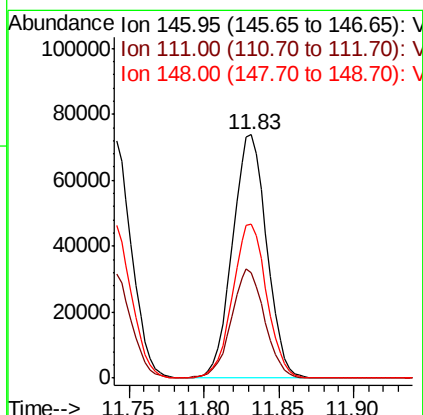
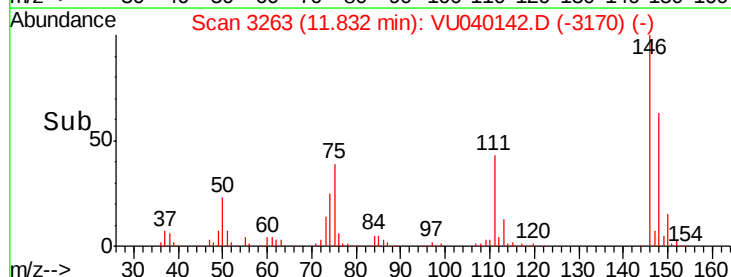
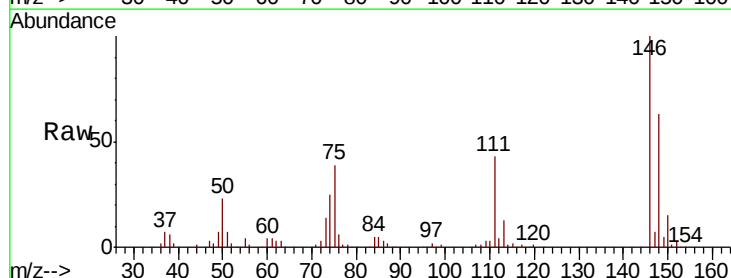
Tgt Ion:146 Resp: 117577

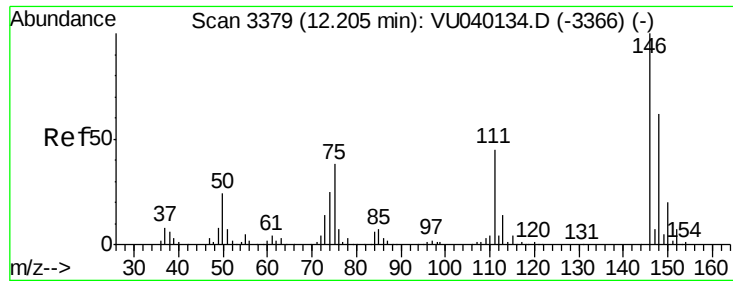
Ion Ratio Lower Upper

146 100

111 43.3 30.5 56.7

148 63.4 45.4 84.4

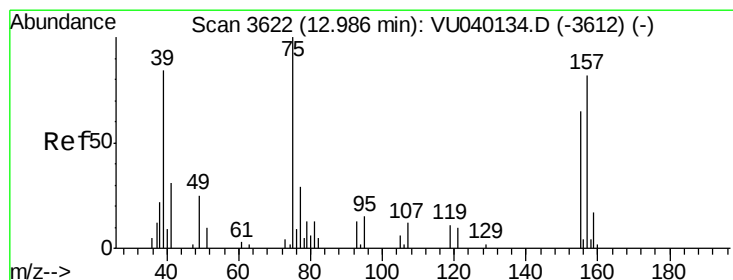
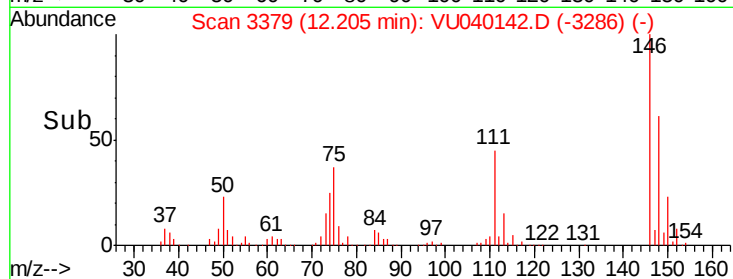
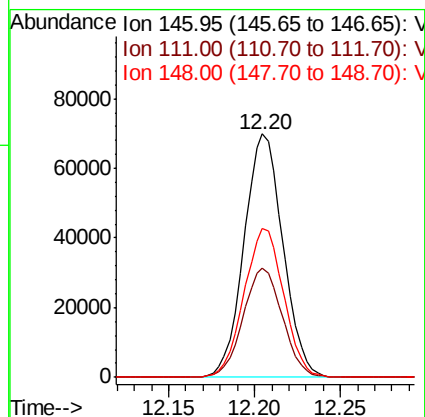
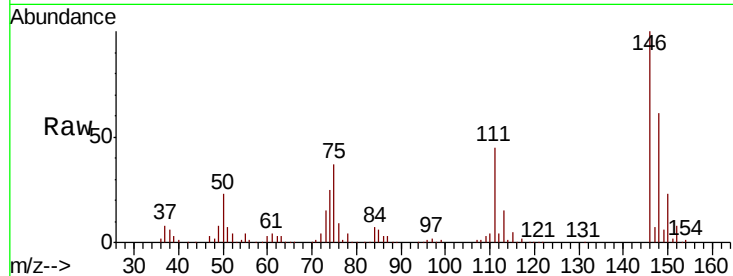




#65
 1,2-Dichlorobenzene
 Concen: 5.183 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU040142.D
 Acq: 16 Sep 2020 10:19

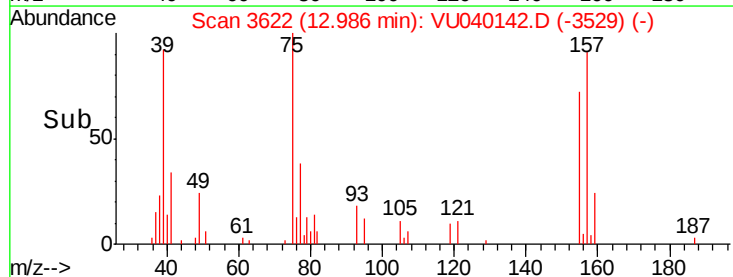
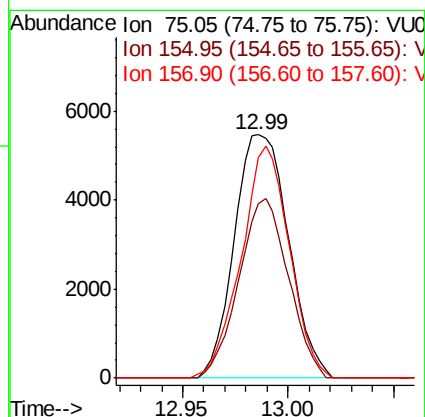
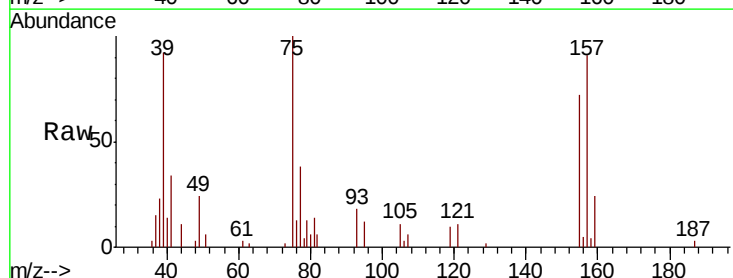
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

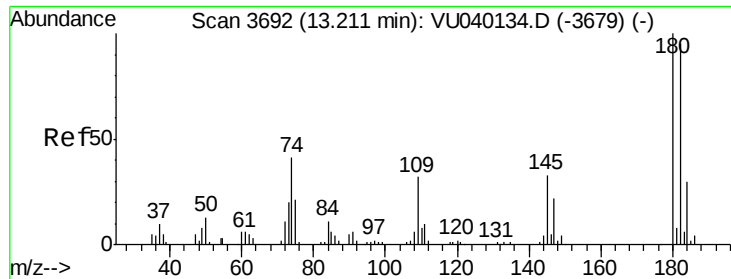
Tot Ion:146 Resp: 109850
 Ion Ratio Lower Upper
 146 100
 111 44.7 36.5 54.7
 148 61.0 48.6 72.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.306 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. 0.00 min
 Lab File: VU040142.D
 Acq: 16 Sep 2020 10:19

Tgt Ion: 75 Resp: 9761
 Ion Ratio Lower Upper
 75 100
 155 71.5 54.6 82.0
 157 90.8 75.6 113.4

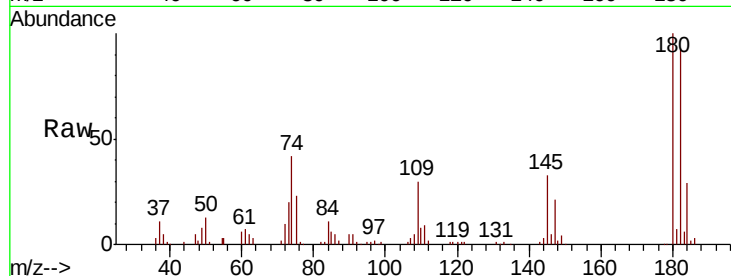




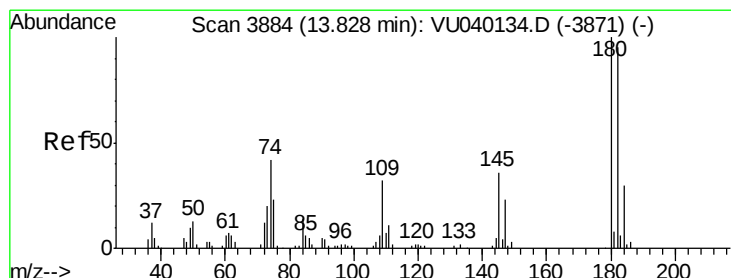
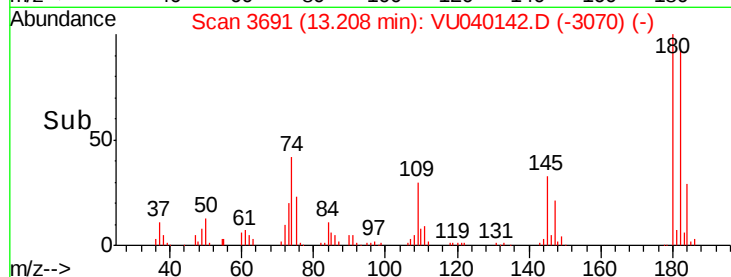
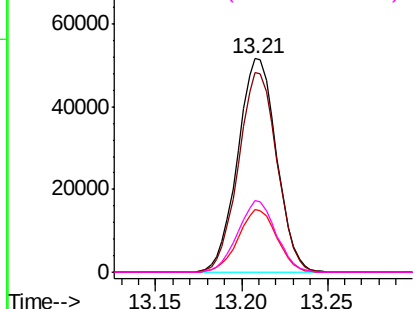
#67
 1,3,5-Trichlorobenzene
 Concen: 5.250 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU040142.D
 Acq: 16 Sep 2020 10:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Tot Ion:180	Resp:	80853
Ion	Ratio	Lower Upper
180	100	
182	92.7	76.9 115.3
184	29.0	24.6 36.8
145	33.0	27.0 40.6

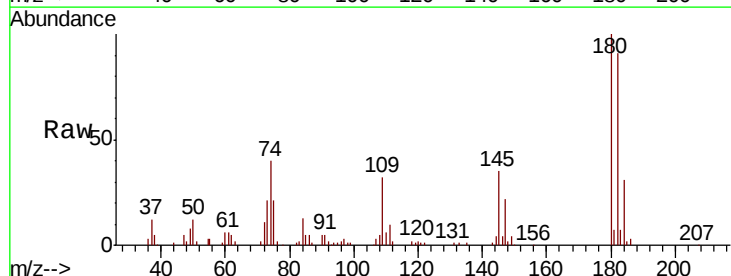


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

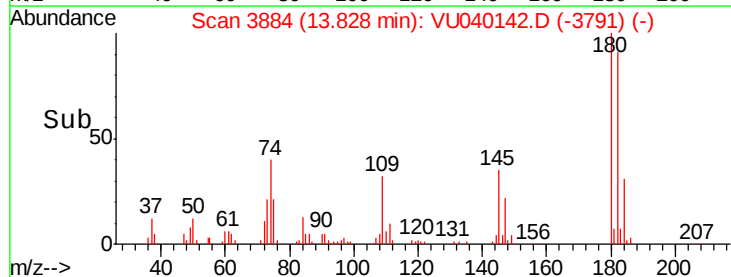
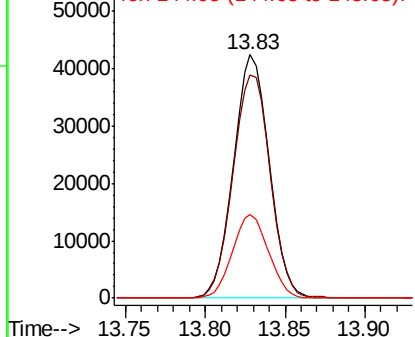


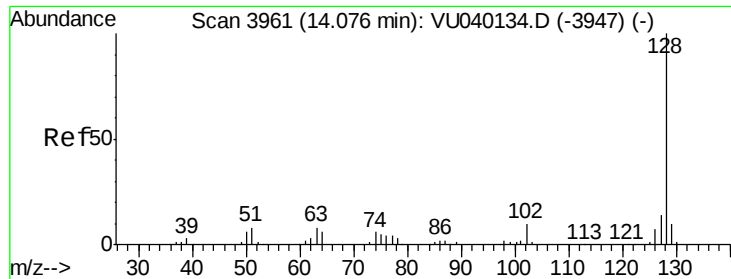
#68
 1,2,4-trichlorobenzene
 Concen: 4.858 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040142.D
 Acq: 16 Sep 2020 10:19

Tgt Ion:180	Resp:	64445
Ion	Ratio	Lower Upper
180	100	
182	95.4	76.0 114.0
145	34.4	28.4 42.6



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: 4.293 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040142.D

Acq: 16 Sep 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

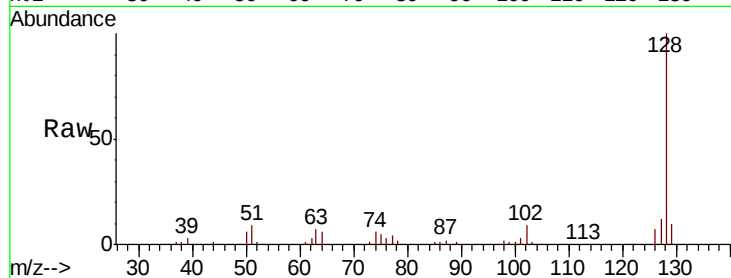
Tot Ion:128 Resp: 118717

Ion Ratio Lower Upper

128 100

129 9.9 8.7 13.1

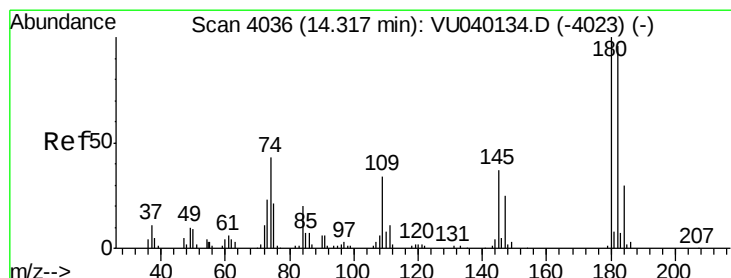
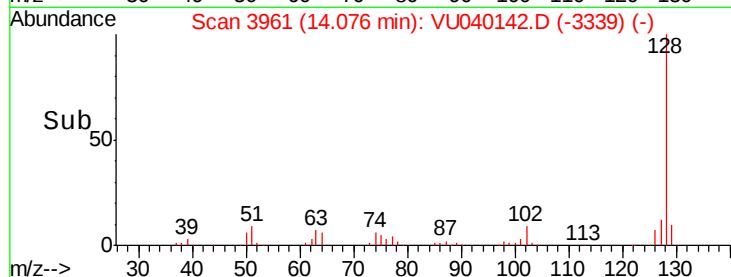
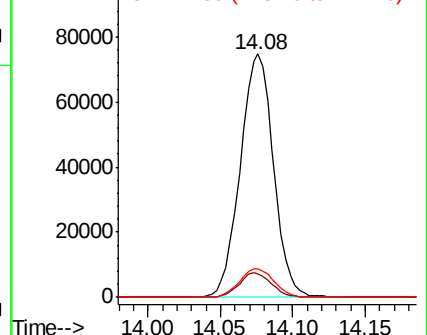
127 12.3 10.7 16.1



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: 4.913 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU040142.D

Acq: 16 Sep 2020 10:19

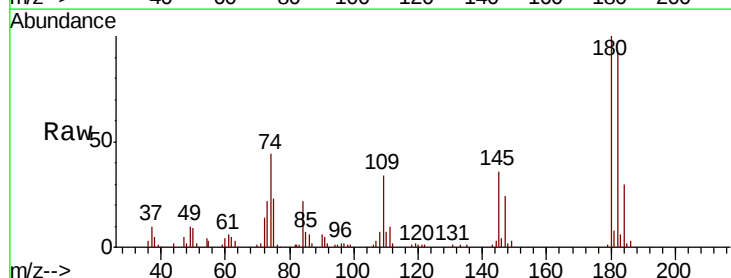
Tgt Ion:180 Resp: 59859

Ion Ratio Lower Upper

180 100

182 92.8 77.8 116.6

145 37.2 28.7 43.1



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

