

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082720\
 Data File : VU039995.D
 Acq On : 27 Aug 2020 16:44
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Quant Time: Aug 28 01:14:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 28 01:12:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	74480	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	74362	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	39293	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	25468	3.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.40%
7) Chloroethane-d5	1.92	69	21389	3.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.40%
11) 1,1-Dichloroethene-d2	2.58	63	58454	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.80%
20) 2-Butanone-d5	4.65	46	86324	41.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.04%
24) Chloroform-d	5.09	84	57957	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.72	65	34345	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.74	84	103387	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.70	67	33250	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.00%
41) Toluene-d8	7.91	98	91170	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
43) trans-1,3-Dichloropropene-	8.19	79	14046	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.64	63	64837	41.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.38%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26975	4.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	37213	4.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	38949	5.031	ug/L 98
3) Chloromethane	1.53	50	37234	4.251	ug/L 98
5) Vinyl chloride	1.61	62	38602	4.659	ug/L 95
6) Bromomethane	1.87	94	18637	3.939	ug/L 99
8) Chloroethane	1.94	64	23543	4.443	ug/L 99
9) Trichlorofluoromethane	2.15	101	56917	4.592	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	34187	5.014	ug/L 93
12) 1,1-Dichloroethene	2.59	96	30302	4.652	ug/L 90
13) Acetone	2.66	43	65647	46.209	ug/L # 48
14) Carbon disulfide	2.81	76	91661	4.354	ug/L 98
15) Methyl Acetate	2.97	43	15726	4.312	ug/L 96
16) Methylene chloride	3.06	84	37216	4.155	ug/L 97
17) Methyl tert-butyl Ether	3.38	73	80864	4.923	ug/L 95
18) trans-1,2-Dichloroethene	3.37	96	31164	4.607	ug/L 87
19) 1,1-Dichloroethane	3.89	63	63882	5.093	ug/L 96
21) 2-Butanone	4.73	43	102650	41.585	ug/L 98
22) cis-1,2-Dichloroethene	4.69	96	34256	4.837	ug/L 93

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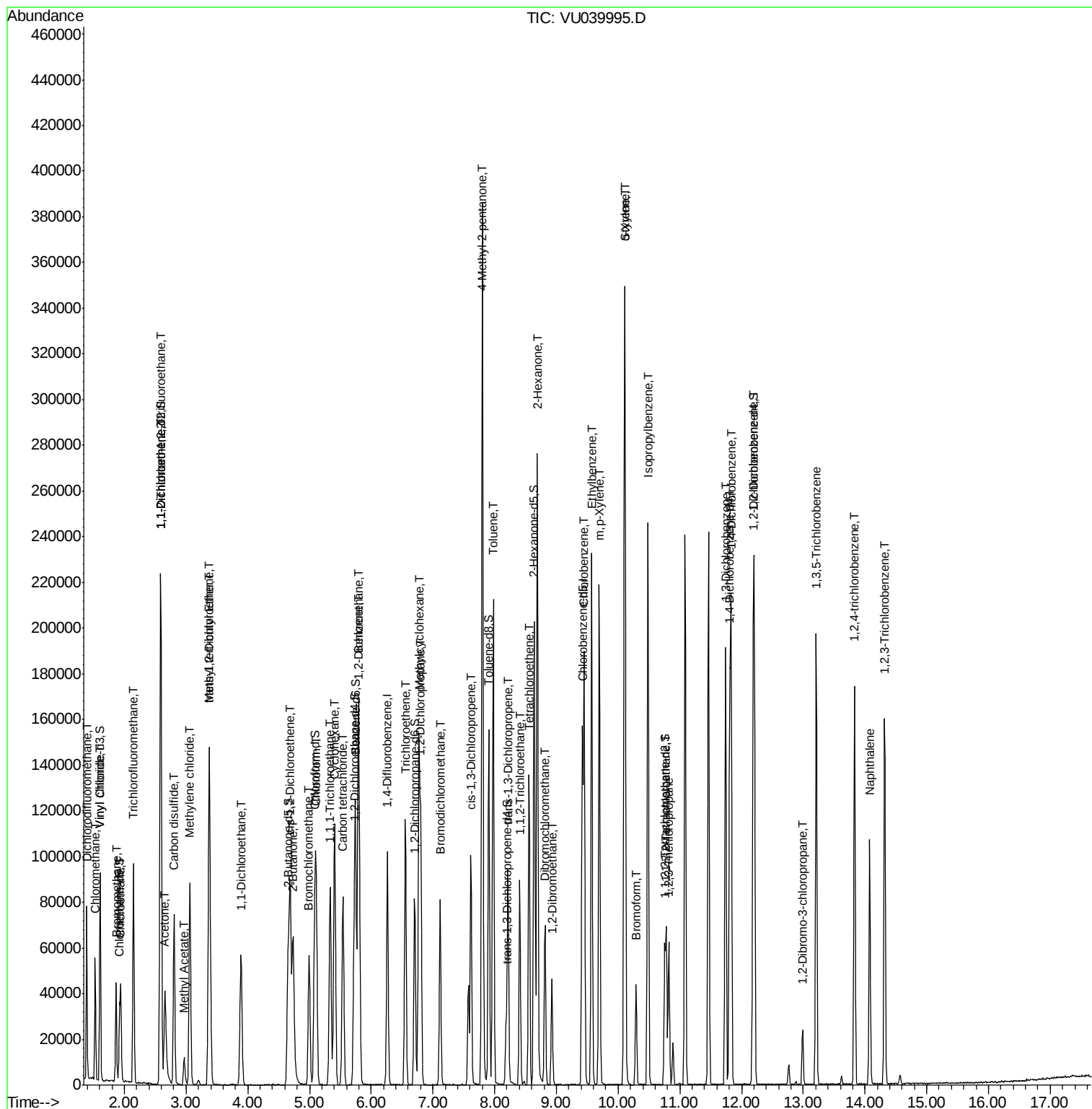
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	15820	4.749	ug/L	89
25) Chloroform	5.11	83	68867	5.417	ug/L	99
27) 1,2-Dichloroethane	5.81	62	48432	5.429	ug/L #	93
29) 1,1,1-Trichloroethane	5.34	97	60094	5.494	ug/L	98
30) Cyclohexane	5.41	56	52145	4.815	ug/L	98
31) Carbon tetrachloride	5.54	117	53077	5.496	ug/L	100
33) Benzene	5.79	78	131336	4.860	ug/L	100
34) Trichloroethene	6.56	95	34963	4.985	ug/L	96
35) Methylcyclohexane	6.77	83	50100	4.663	ug/L	95
37) 1,2-Dichloropropane	6.80	63	35420	4.932	ug/L	97
38) Bromodichloromethane	7.12	83	49655	5.441	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	50493	5.031	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	251342	44.193	ug/L	98
42) Toluene	7.98	91	139800	5.058	ug/L	97
44) trans-1,3-Dichloropropene	8.21	75	45858	4.862	ug/L	94
45) 1,1,2-Trichloroethane	8.41	97	25181	4.615	ug/L	98
47) Tetrachloroethene	8.56	164	27178	5.253	ug/L	96
48) 2-Hexanone	8.69	43	178099	43.698	ug/L	98
49) Dibromochloromethane	8.82	129	32399	4.973	ug/L	95
50) 1,2-Dibromoethane	8.93	107	24187	4.654	ug/L #	98
51) Chlorobenzene	9.45	112	90403	5.010	ug/L	96
52) Ethylbenzene	9.57	91	153548	5.108	ug/L	100
53) m,p-Xylene	9.69	106	58111	5.036	ug/L	99
54) o-Xylene	10.10	106	55721	5.108	ug/L	91
55) Styrene	10.11	104	96814	5.120	ug/L	96
56) Isopropylbenzene	10.48	105	147956	5.061	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	29843	4.236	ug/L	94
59) 1,2,3-Trichloropropane	10.82	75	22849	4.441	ug/L	98
61) Bromoform	10.29	173	17837	5.154	ug/L	95
62) 1,3-Dichlorobenzene	11.74	146	71219	4.895	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	71701	4.840	ug/L	98
65) 1,2-Dichlorobenzene	12.20	146	67308	4.794	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	6000	5.226	ug/L	86
67) 1,3,5-Trichlorobenzene	13.21	180	55201	5.109	ug/L	96
68) 1,2,4-trichlorobenzene	13.83	180	48208	5.230	ug/L	97
69) Naphthalene	14.08	128	77608	4.558	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	44816	5.203	ug/L	98

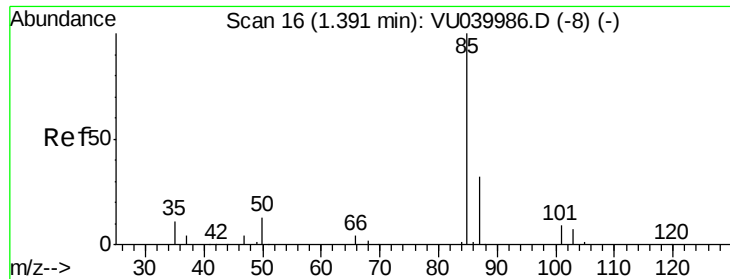
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.031 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039995.D

Acq: 27 Aug 2020 16:44

Instrument :

MSVOA_U

ClientSampleId :

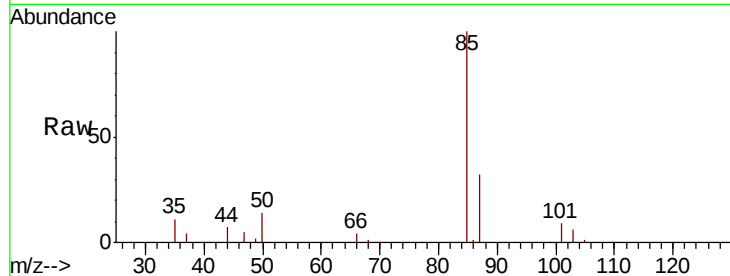
VSTD00514

Tot Ion: 85 Resp: 38949

Ion Ratio Lower Upper

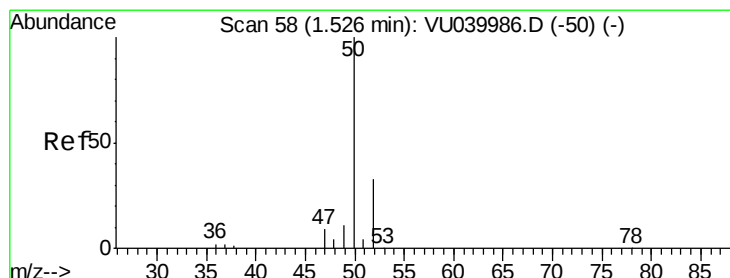
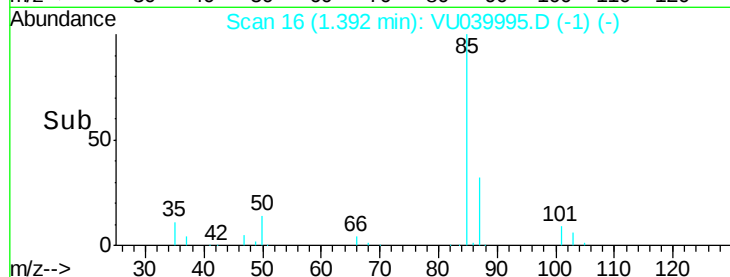
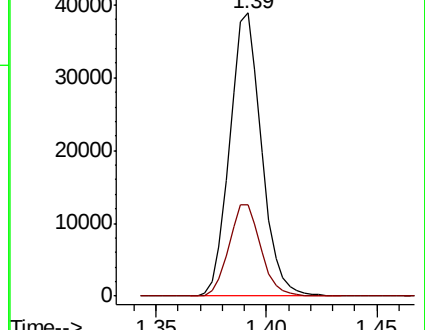
85 100

87 32.5 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039986.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039986.D (-8) (-)



#3

Chloromethane

Concen: 4.251 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039995.D

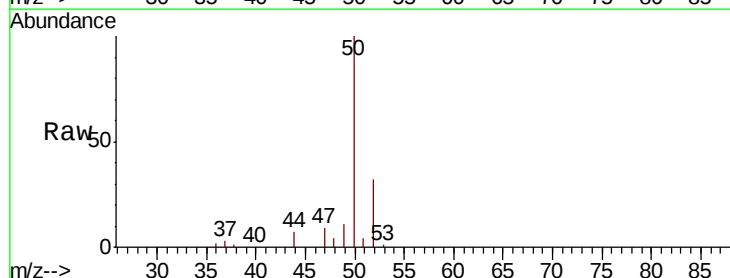
Acq: 27 Aug 2020 16:44

Tgt Ion: 50 Resp: 37234

Ion Ratio Lower Upper

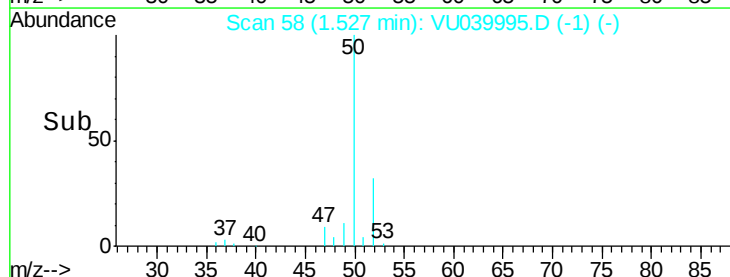
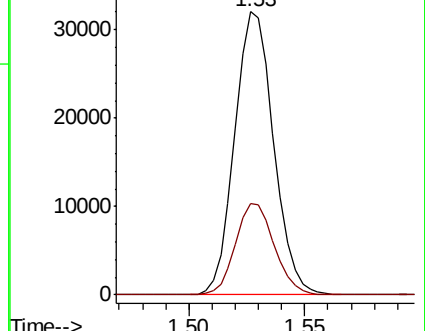
50 100

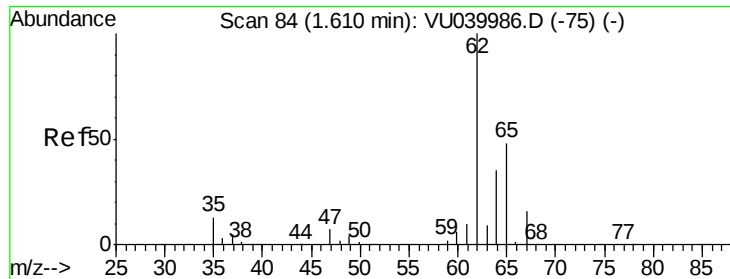
52 32.5 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU039986.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039986.D (-50) (-)





#5

Vinyl chloride

Concen: 4.659 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039995.D

Acq: 27 Aug 2020 16:44

Instrument :

MSVOA_U

ClientSampleId :

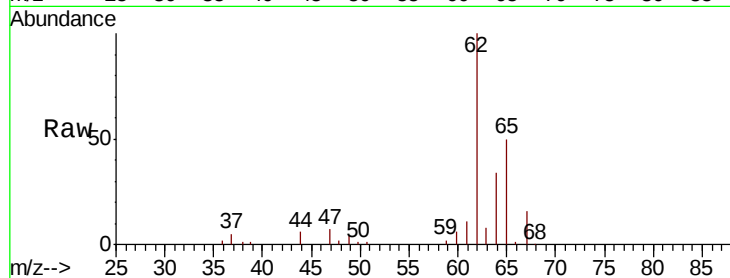
VSTD00514

Tot Ion: 62 Resp: 38602

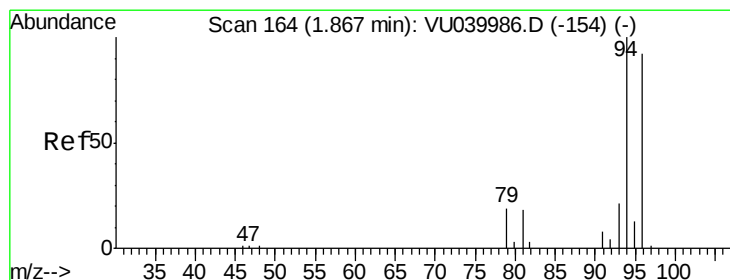
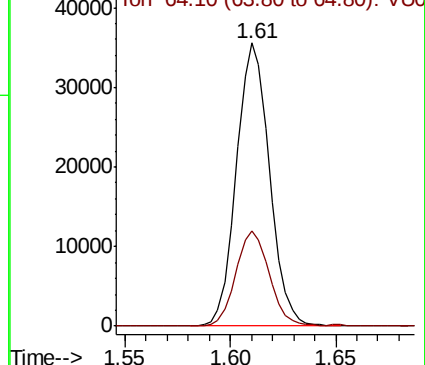
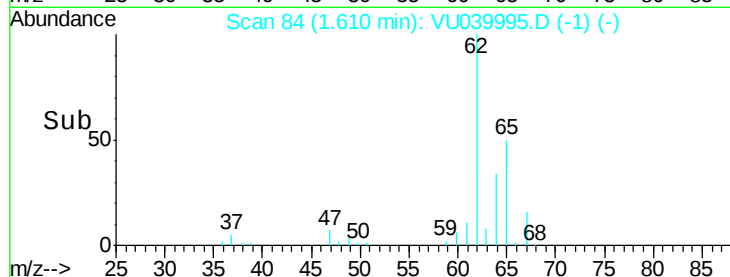
Ion Ratio Lower Upper

62 100

64 33.7 21.6 40.2



Abundance Ion 62.00 (61.70 to 62.70): VU039995.D (-1) (-)



#6

Bromomethane

Concen: 3.939 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039995.D

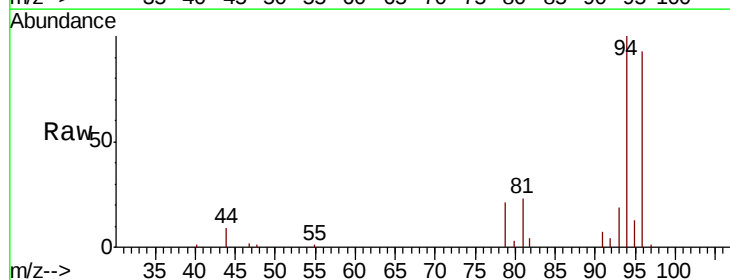
Acq: 27 Aug 2020 16:44

Tgt Ion: 94 Resp: 18637

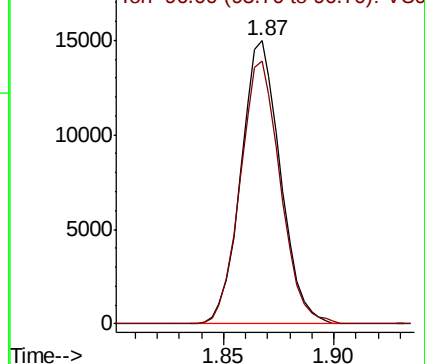
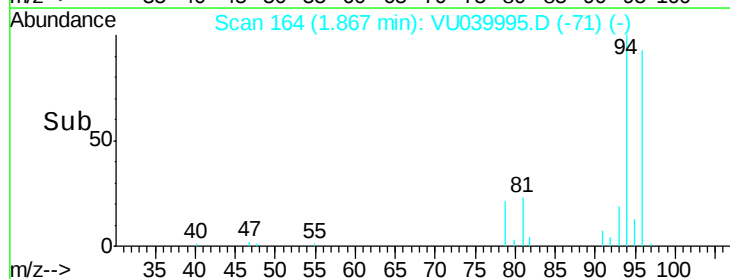
Ion Ratio Lower Upper

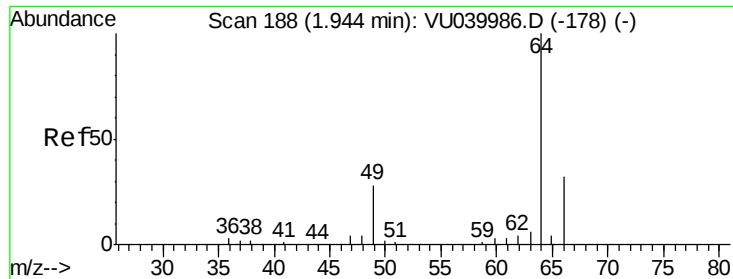
94 100

96 92.8 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU039995.D (-71) (-)

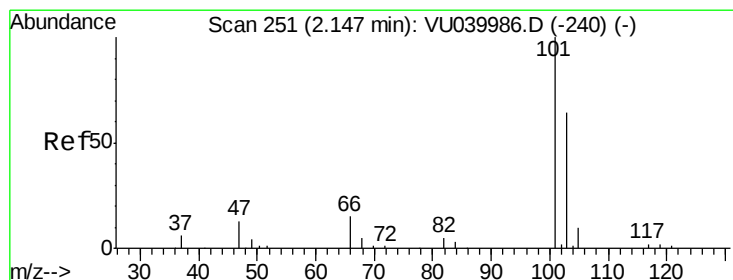
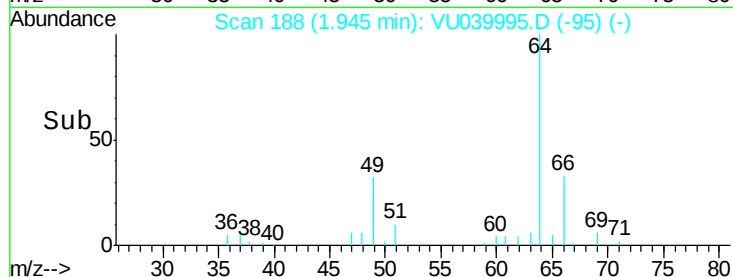
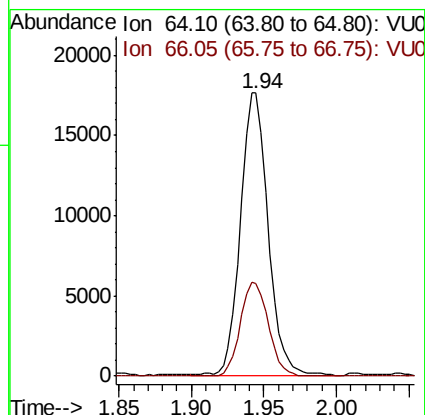
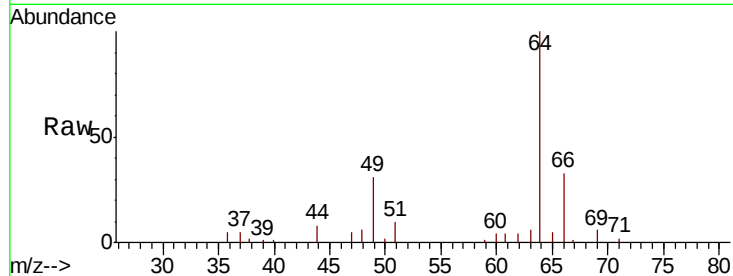




#8
 Chloroethane
 Concen: 4.443 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VU039995.D
 Acq: 27 Aug 2020 16:44

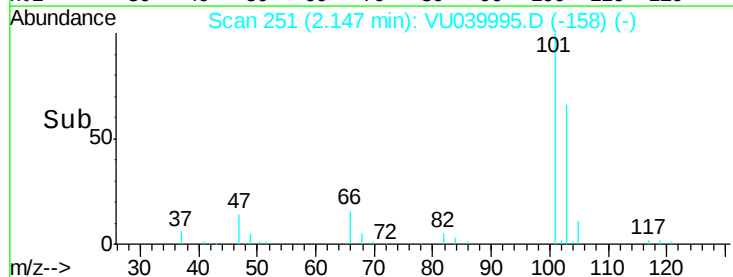
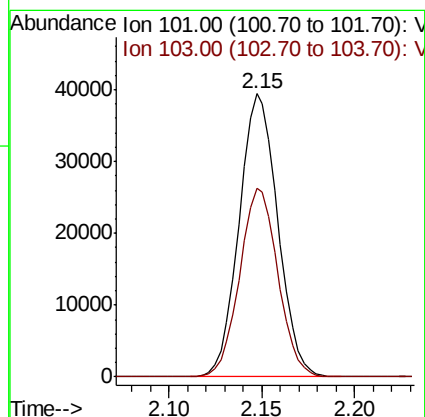
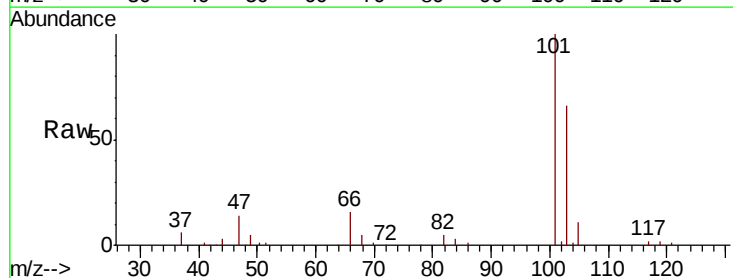
Instrument :
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 VSTD00514

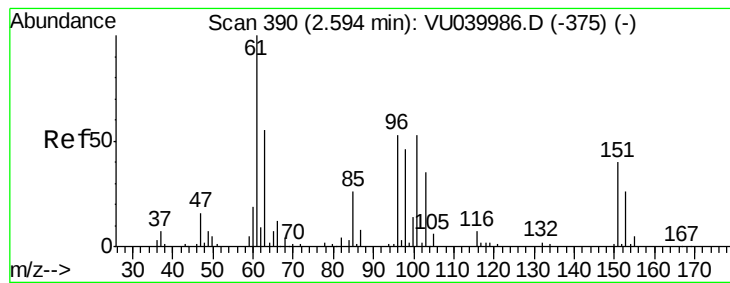
Tot Ion: 64 Resp: 23543
 Ion Ratio Lower Upper
 64 100
 66 32.7 22.6 42.0



#9
 Trichlorofluoromethane
 Concen: 4.592 ug/L
 RT: 2.15 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VU039995.D
 Acq: 27 Aug 2020 16:44

Tgt Ion: 101 Resp: 56917
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.0 76.4





#10

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

Concen: 5.014 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039995.D

Acq: 27 Aug 2020 16:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

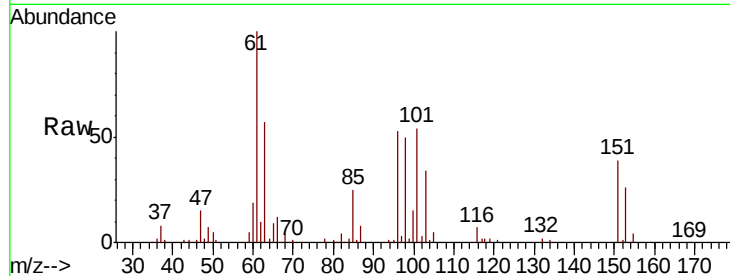
Tot Ion:101 Resp: 34187

Ion Ratio Lower Upper

101 100

85 46.3 34.5 51.7

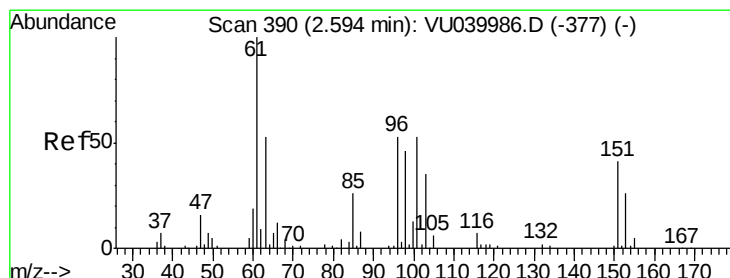
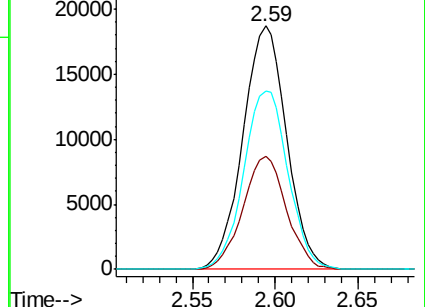
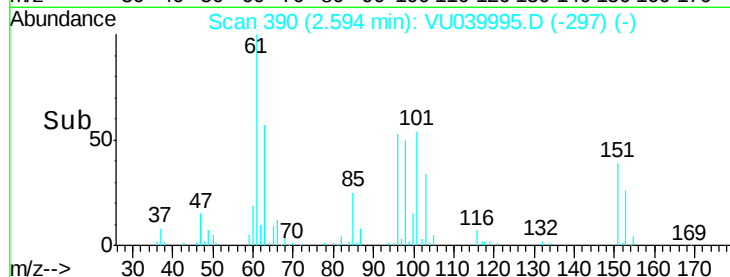
151 74.6 54.4 81.6



Abundance Ion 101.00 (100.70 to 101.70): VU039995.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VU039995.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VU039995.D (-297) (-)



#12

1,1-Dichloroethene

Concen: 4.652 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039995.D

Acq: 27 Aug 2020 16:44

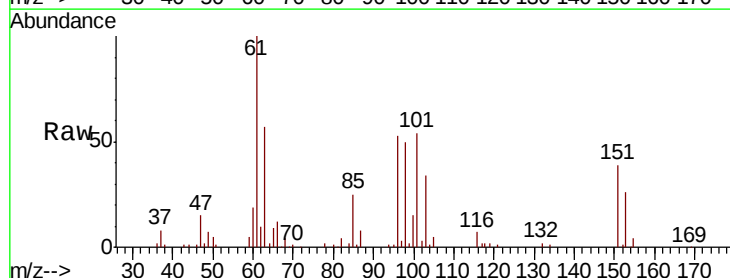
Tgt Ion: 96 Resp: 30302

Ion Ratio Lower Upper

96 100

61 187.7 126.8 235.4

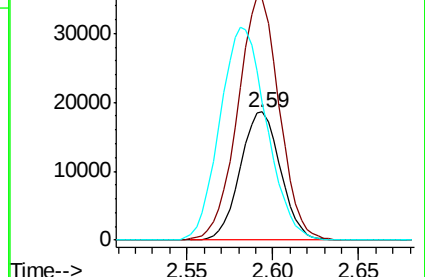
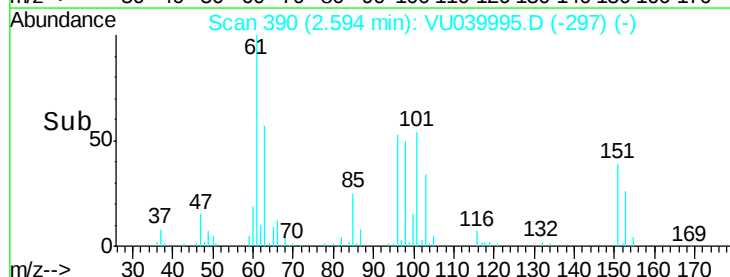
63 107.5 88.6 164.6

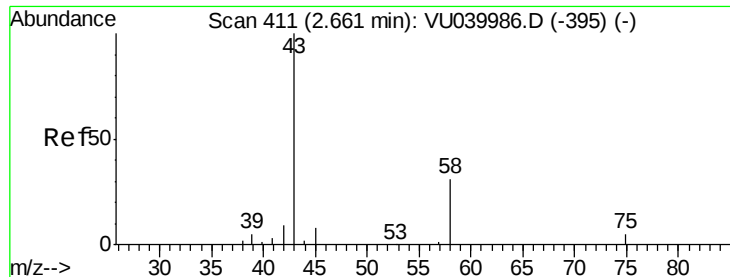


Abundance Ion 96.00 (95.70 to 96.70): VU039995.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VU039995.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VU039995.D (-297) (-)





#13

Acetone

Concen: 46.209 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU039995.D

Acq: 27 Aug 2020 16:44

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MSVOA_U

ClientSampleId :

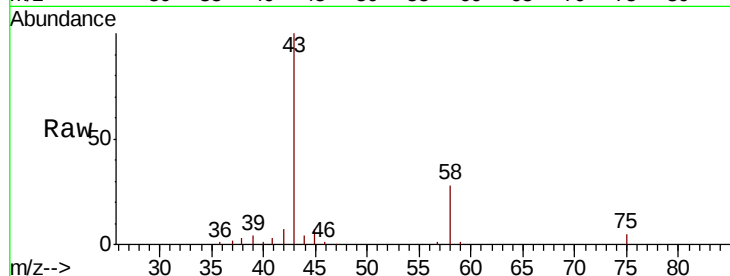
VSTD00514

Tot Ion: 43 Resp: 65647

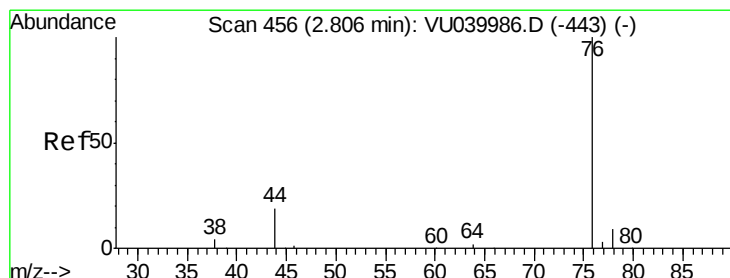
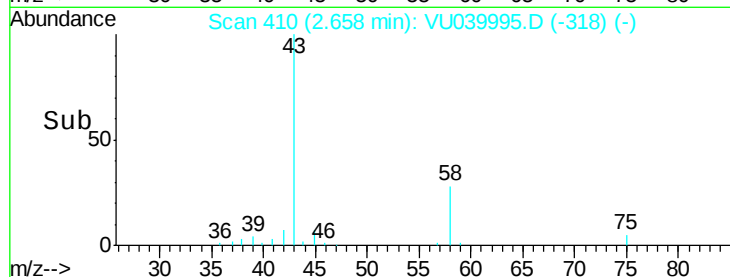
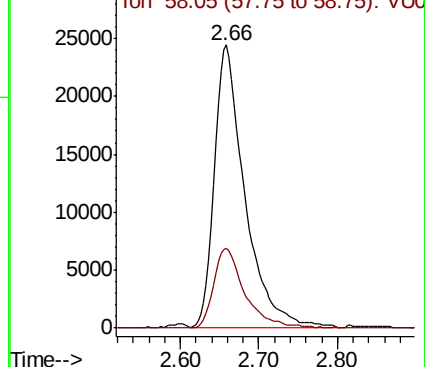
Ion Ratio Lower Upper

43 100

58 28.6 0.0 19.0#



Abundance Ion 43.05 (42.75 to 43.75): VU039995.D (-318) (-)



#14

Carbon disulfide

Concen: 4.354 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039995.D

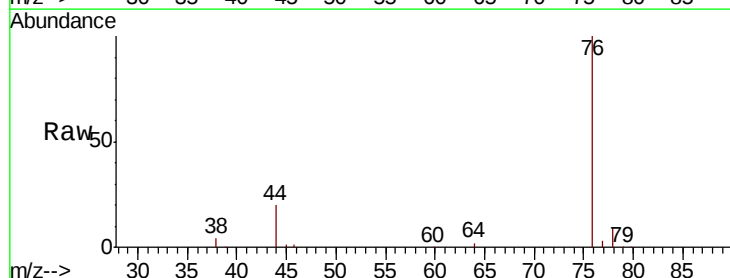
Acq: 27 Aug 2020 16:44

Tgt Ion: 76 Resp: 91661

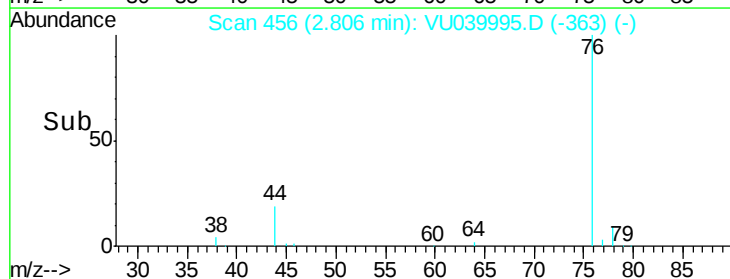
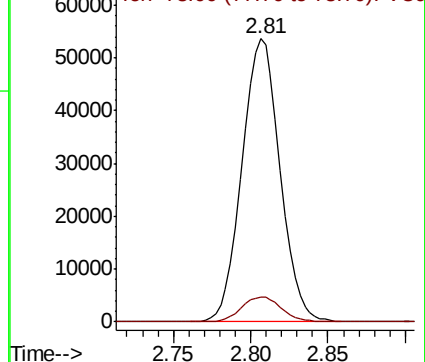
Ion Ratio Lower Upper

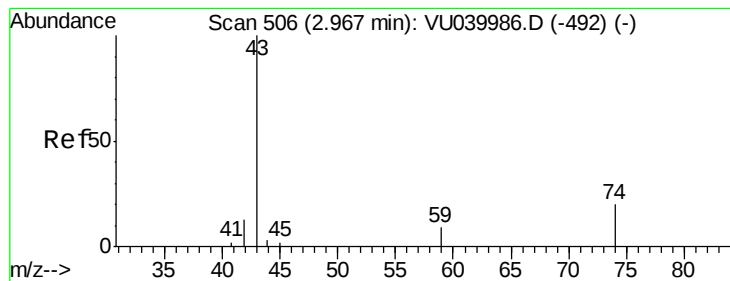
76 100

78 8.6 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU039995.D (-363) (-)





#15

Methvl Acetate

Concen: 4.312 ug/L

RT: 2.97 min Scan# 507

Delta R.T. 0.00 min

Lab File: VU039995.D

Acq: 27 Aug 2020 16:44

Instrument :

MSVOA_U

ClientSampleId :

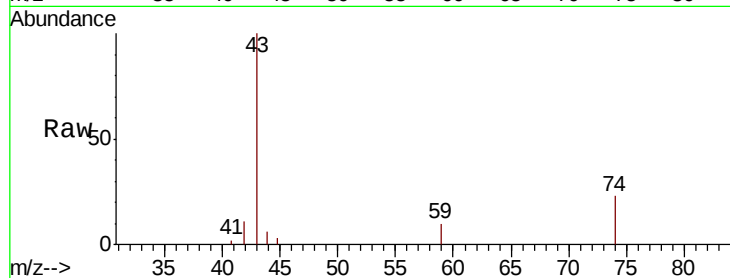
VSTD00514

Tot Ion: 43 Resp: 15726

Ion Ratio Lower Upper

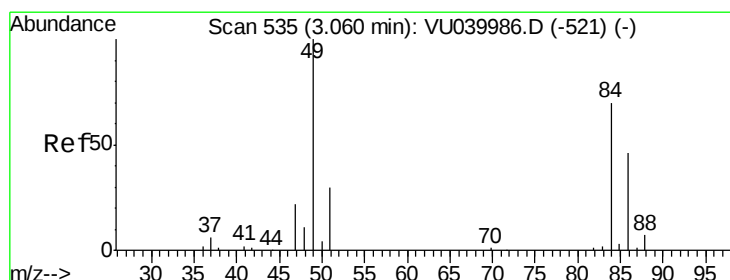
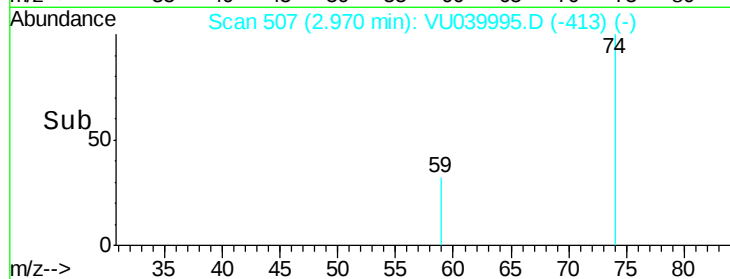
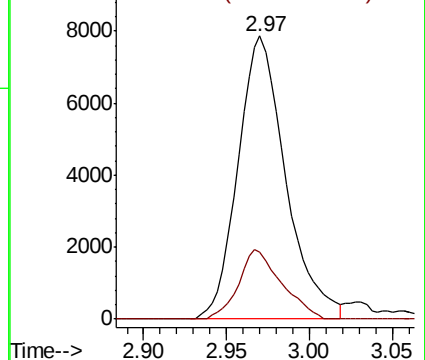
43 100

74 22.1 16.3 24.5



Abundance Ion 43.05 (42.75 to 43.75): VU039995.D (-413) (-)

Ion 74.05 (73.75 to 74.75): VU039995.D (-413) (-)



#16

Methylene chloride

Concen: 4.155 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU039995.D

Acq: 27 Aug 2020 16:44

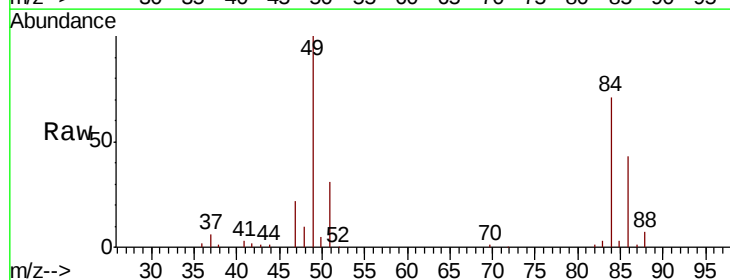
Tgt Ion: 84 Resp: 37216

Ion Ratio Lower Upper

84 100

86 61.6 47.2 87.6

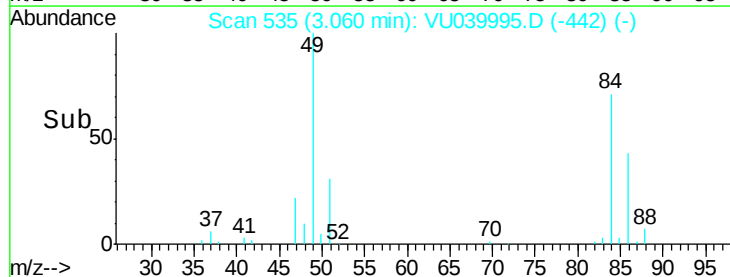
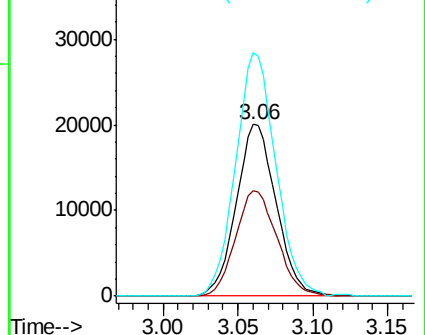
49 141.7 99.8 185.4

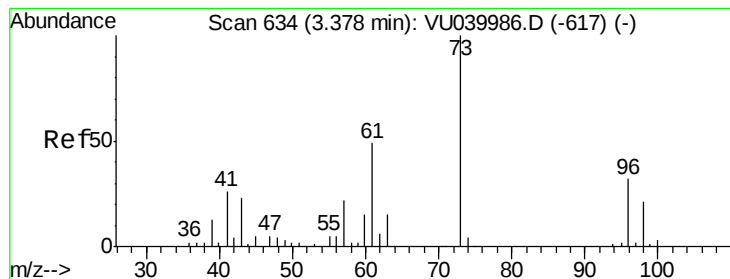


Abundance Ion 84.05 (83.75 to 84.75): VU039995.D (-442) (-)

Ion 86.00 (85.70 to 86.70): VU039995.D (-442) (-)

Ion 49.10 (48.80 to 49.80): VU039995.D (-442) (-)



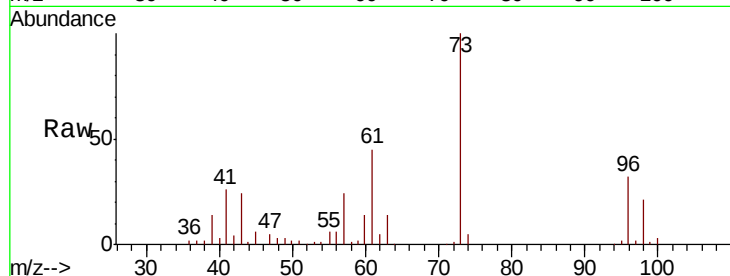


#17

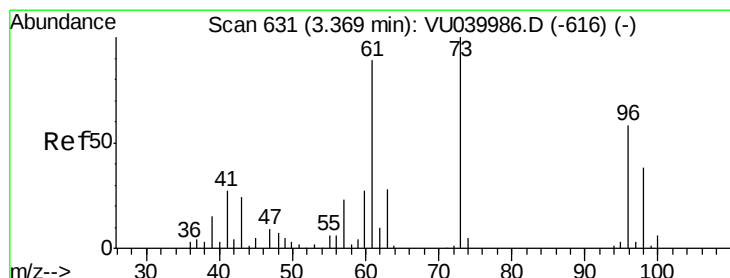
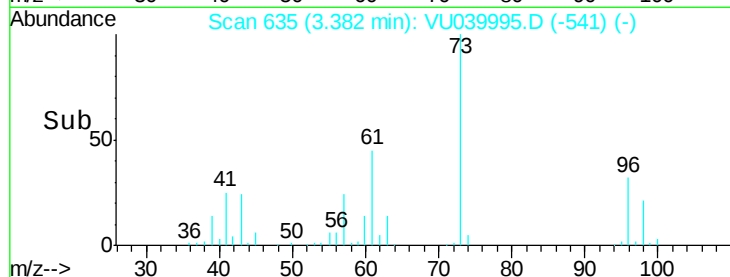
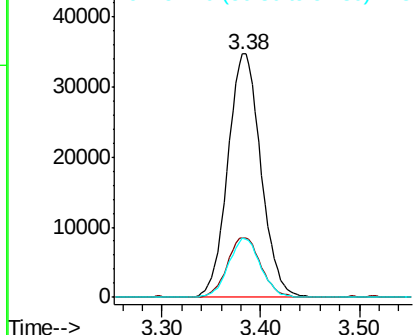
Methvl tert-butvl Ether
 Concen: 4.923 ug/L
 RT: 3.38 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VU039995.D
 Acq: 27 Aug 2020 16:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tot Ion: 73 Resp: 80864
 Ion Ratio Lower Upper
 73 100
 43 24.7 16.6 24.8
 57 23.4 18.2 27.4



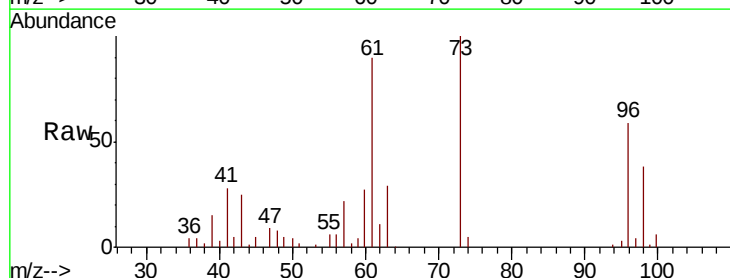
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



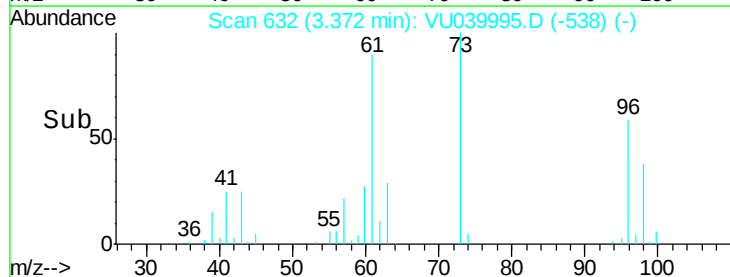
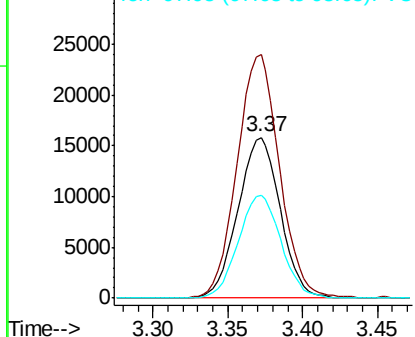
#18

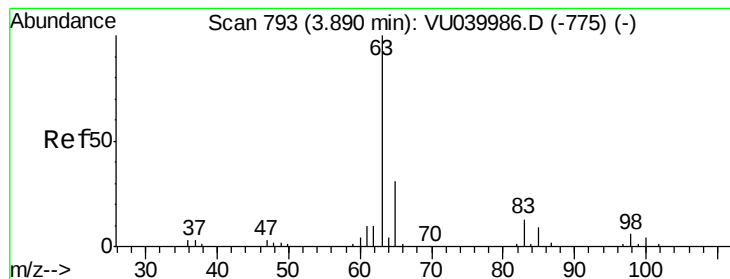
trans-1,2-Dichloroethene
 Concen: 4.607 ug/L
 RT: 3.37 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VU039995.D
 Acq: 27 Aug 2020 16:44

Tgt Ion: 96 Resp: 31164
 Ion Ratio Lower Upper
 96 100
 61 151.5 93.7 173.9
 98 64.3 40.7 75.5



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





#19

1,1-Dichloroethane

Concen: 5.093 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU039995.D

Acq: 27 Aug 2020 16:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

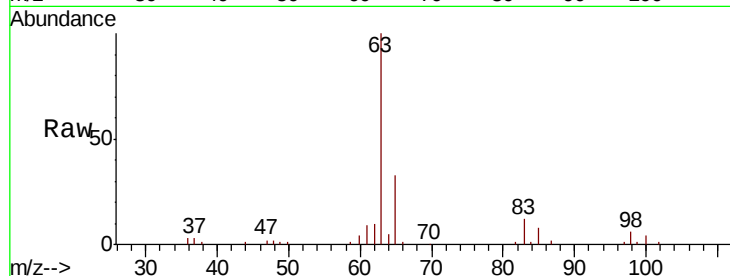
Tot Ion: 63 Resp: 63882

Ion Ratio Lower Upper

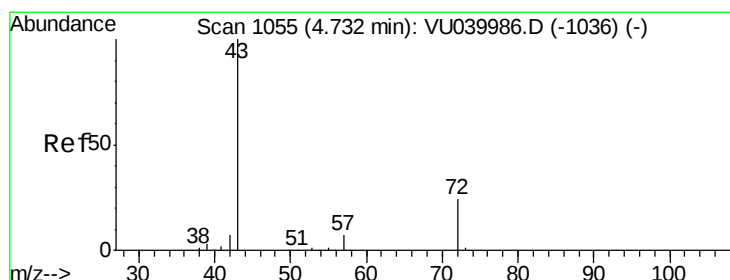
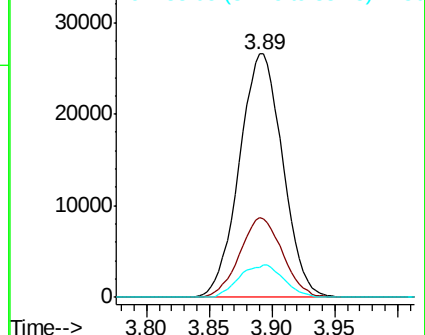
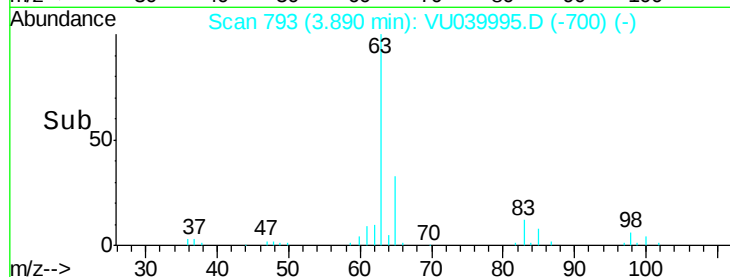
63 100

65 32.7 21.6 40.0

83 12.4 10.3 19.1



Abundance Ion 63.10 (62.80 to 63.80): VU039995.D (-700) (-)



#21

2-Butanone

Concen: 41.585 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VU039995.D

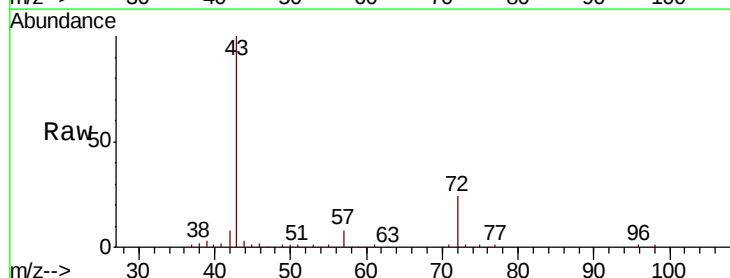
Acq: 27 Aug 2020 16:44

Tgt Ion: 43 Resp: 102650

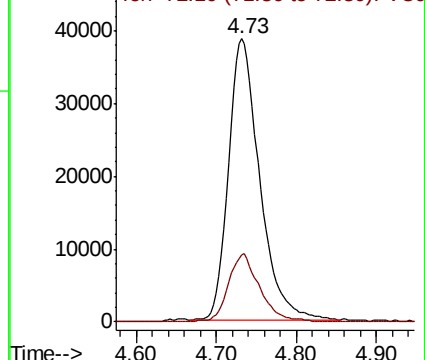
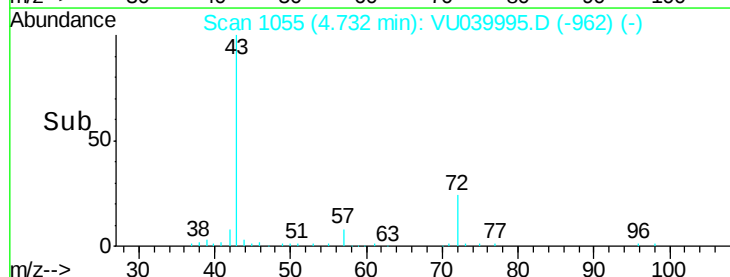
Ion Ratio Lower Upper

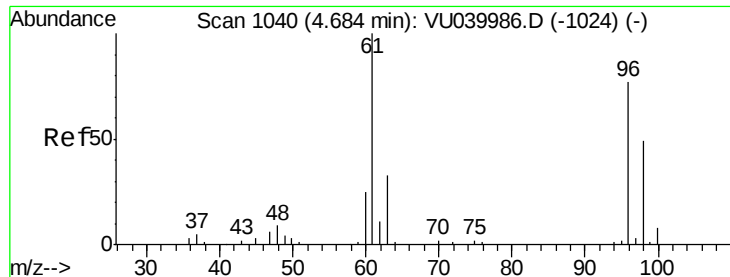
43 100

72 24.5 12.7 38.0



Abundance Ion 43.05 (42.75 to 43.75): VU039995.D (-962) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.837 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039995.D

Acq: 27 Aug 2020 16:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

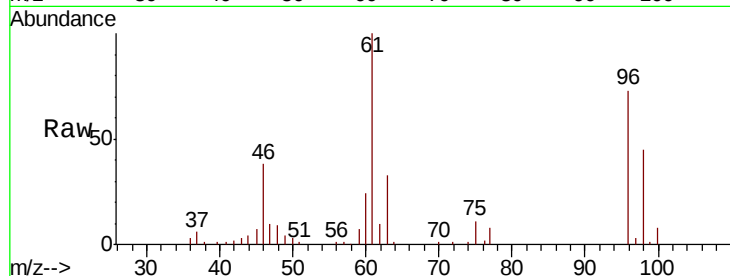
Tot Ion: 96 Resp: 34256

Ion Ratio Lower Upper

96 100

61 137.6 90.9 168.9

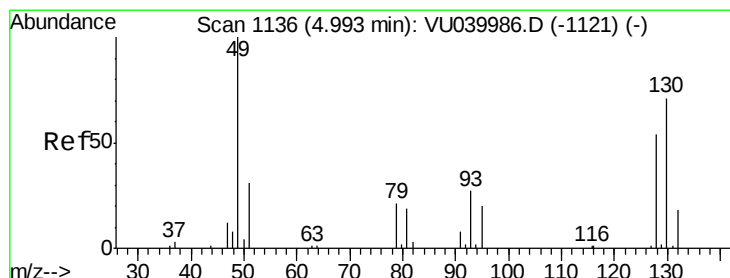
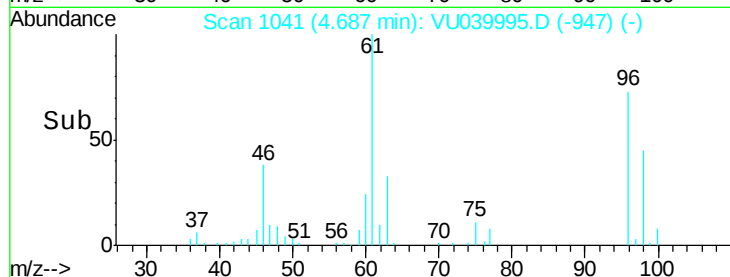
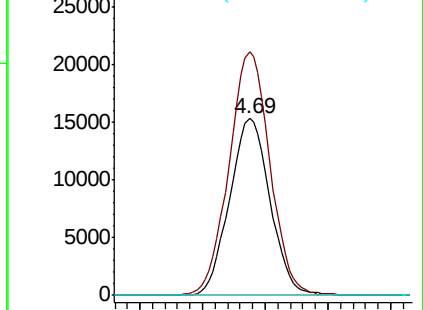
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039995.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU039995.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU039995.D (-947) (-)



#23

Bromochloromethane

Concen: 4.749 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU039995.D

Acq: 27 Aug 2020 16:44

Tgt Ion:128 Resp: 15820

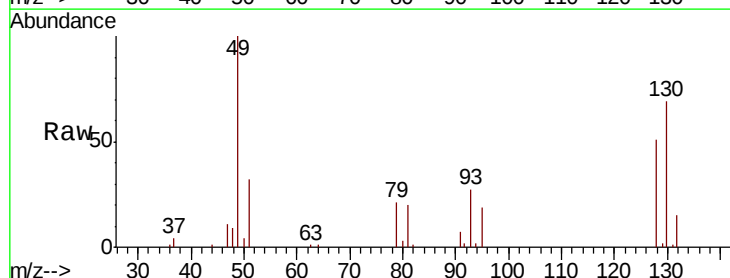
Ion Ratio Lower Upper

128 100

49 196.4 121.2 225.2

130 134.7 90.2 167.6

51 62.8 47.2 70.8

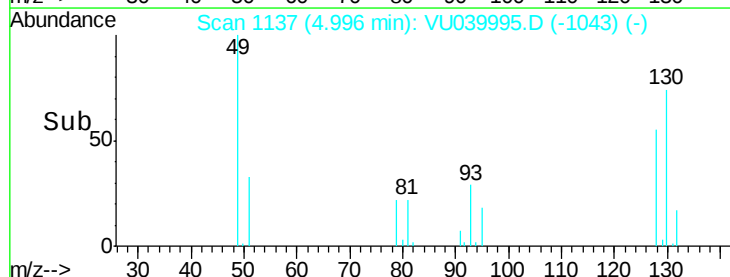
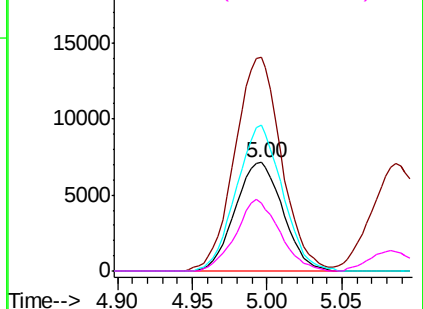


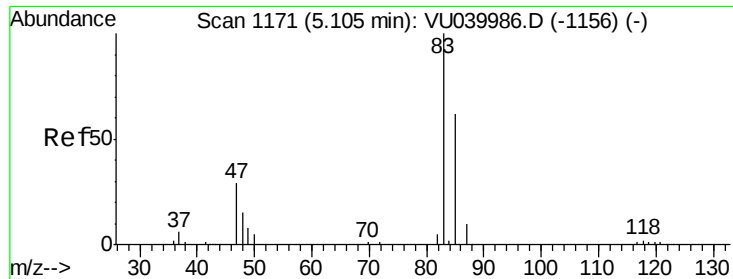
Abundance Ion 127.90 (127.60 to 128.60): VU039995.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU039995.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU039995.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU039995.D (-1043) (-)

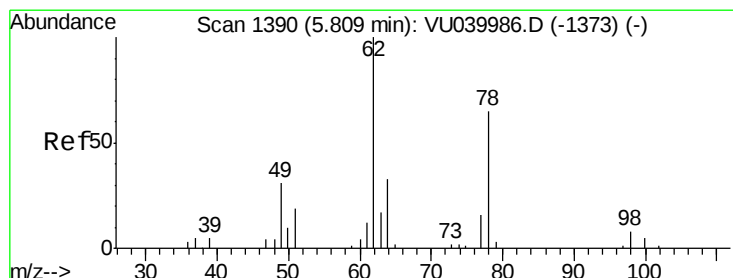
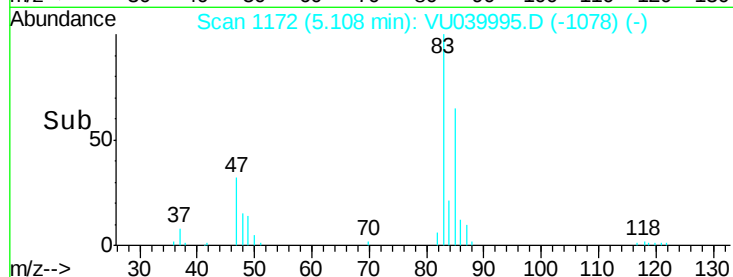
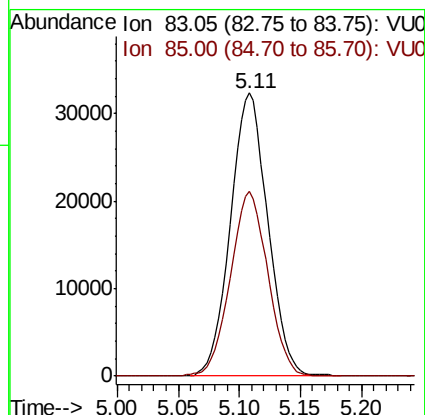
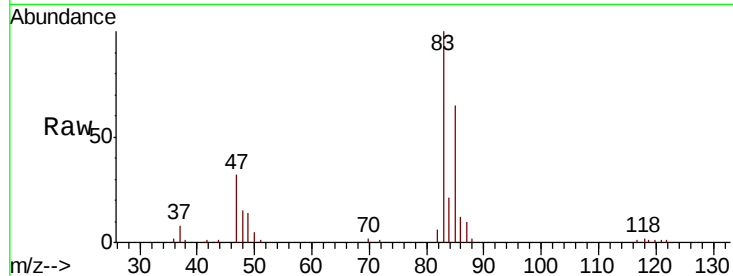




#25
Chloroform
Concen: 5.417 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039995.D
Acq: 27 Aug 2020 16:44

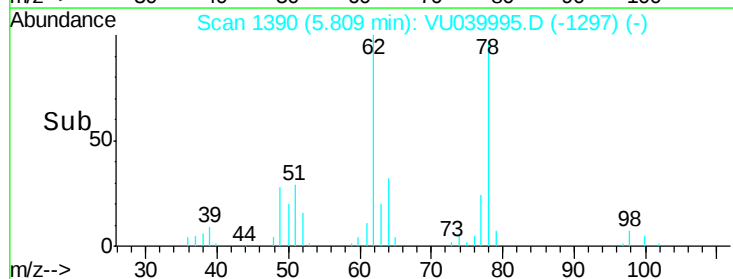
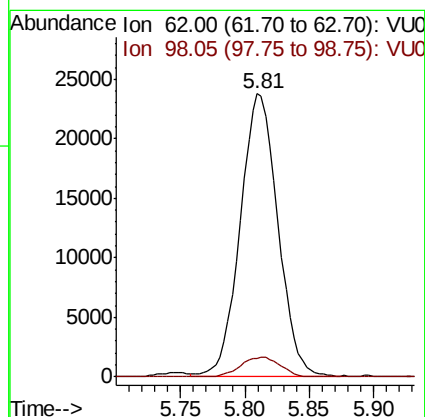
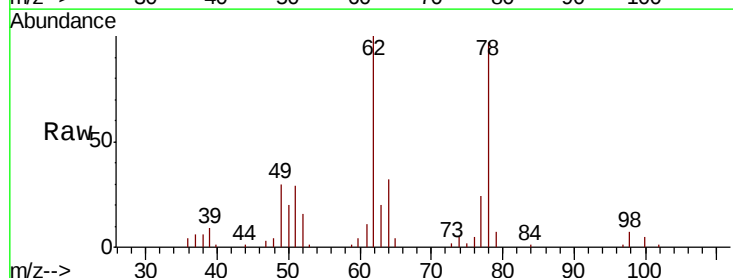
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

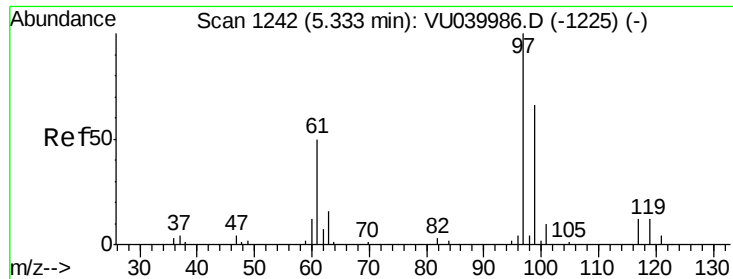
Tot Ion: 83 Resp: 68867
Ion Ratio Lower Upper
83 100
85 65.1 46.4 86.2



#27
1,2-Dichloroethane
Concen: 5.429 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU039995.D
Acq: 27 Aug 2020 16:44

Tgt Ion: 62 Resp: 48432
Ion Ratio Lower Upper
62 100
98 6.7 7.4 11.2#

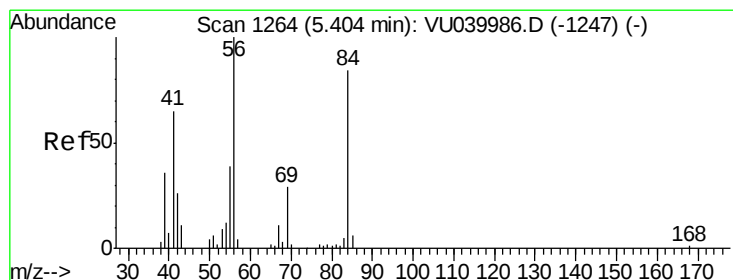
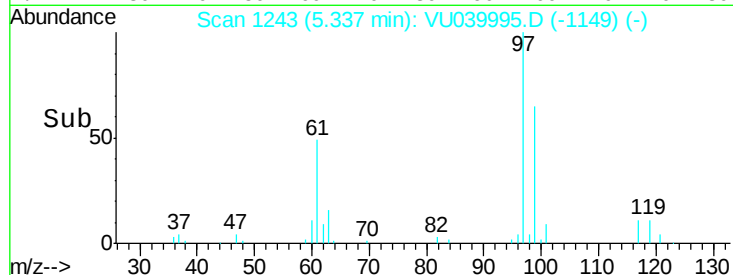
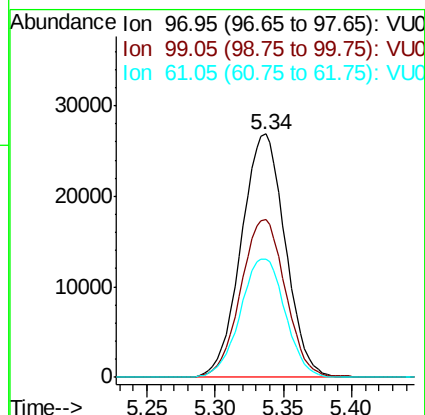
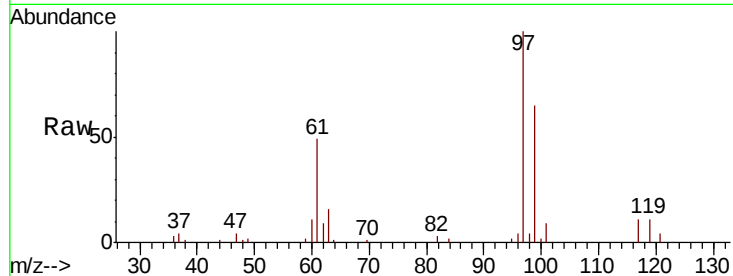




#29
 1,1,1-Trichloroethane
 Concen: 5.494 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VU039995.D
 Acq: 27 Aug 2020 16:44

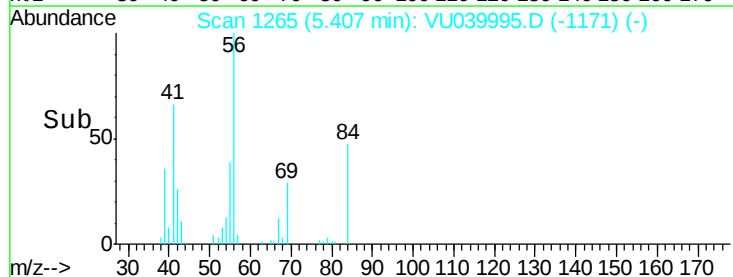
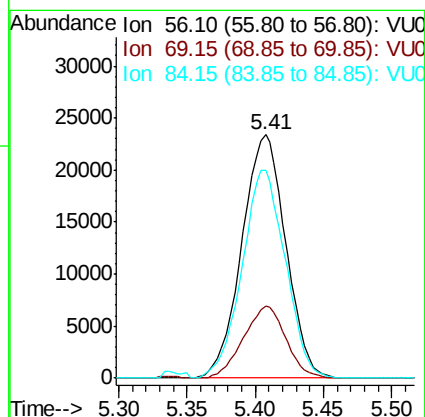
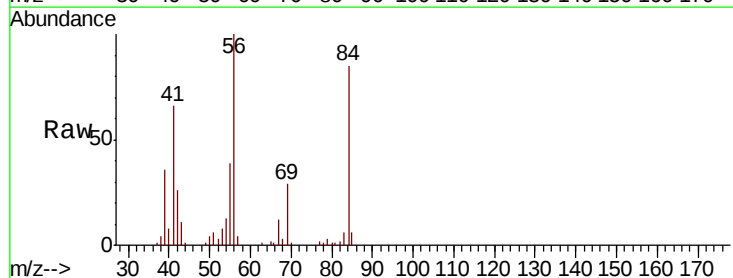
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

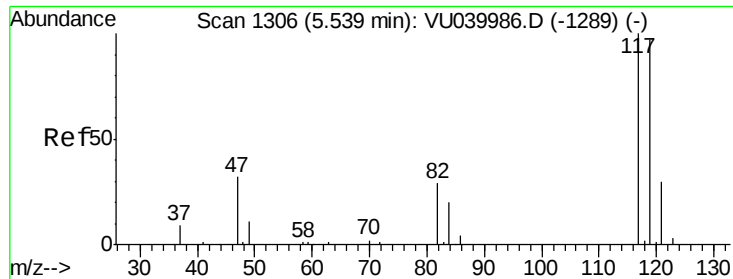
Tot Ion: 97 Resp: 60094
 Ion Ratio Lower Upper
 97 100
 99 65.9 51.4 77.2
 61 49.7 39.1 58.7



#30
 Cyclohexane
 Concen: 4.815 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU039995.D
 Acq: 27 Aug 2020 16:44

Tgt Ion: 56 Resp: 52145
 Ion Ratio Lower Upper
 56 100
 69 28.5 23.1 34.7
 84 84.3 69.0 103.6





#31

Carbon tetrachloride

Concen: 5.496 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU039995.D

Acq: 27 Aug 2020 16:44

Instrument :

MSVOA_U

ClientSampleId :

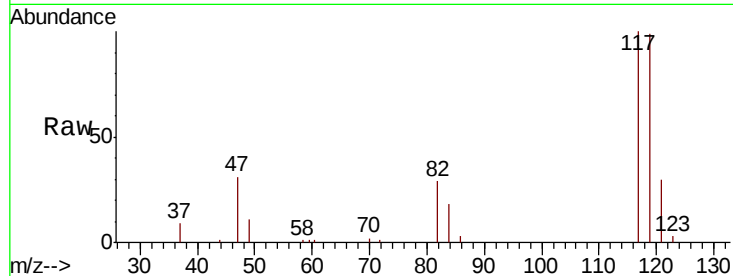
VSTD00514

Tot Ion:117 Resp: 53077

Ion Ratio Lower Upper

117 100

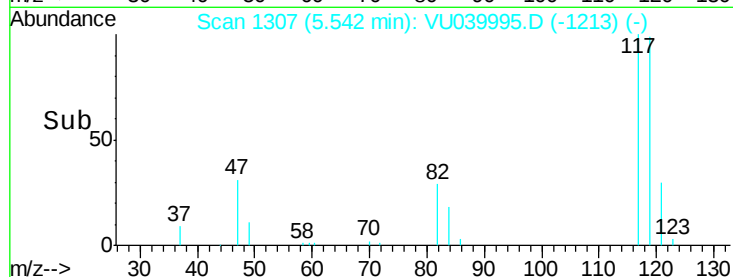
119 97.2 77.6 116.4



Abundance Ion 116.90 (116.60 to 117.60): V

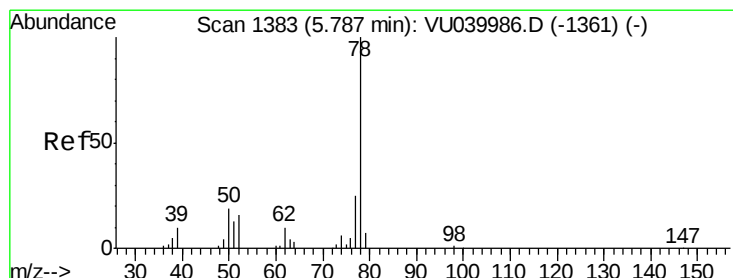
Ion 118.90 (118.60 to 119.60): V

5.54



Time-->

5.45 5.50 5.55 5.60



#33

Benzene

Concen: 4.860 ug/L

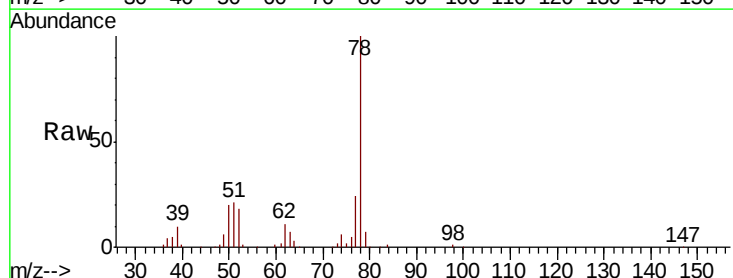
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU039995.D

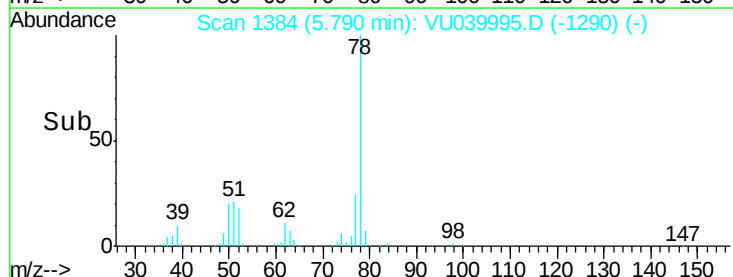
Acq: 27 Aug 2020 16:44

Tgt Ion: 78 Resp: 131336



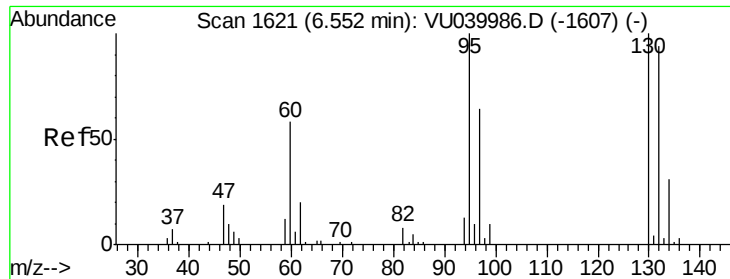
Abundance Ion 78.10 (77.80 to 78.80): VU0

5.79



Time-->

5.70 5.80 5.90



#34

Trichloroethene

Concen: 4.985 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039995.D

Acq: 27 Aug 2020 16:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

Tot Ion: 95 Resp: 34963

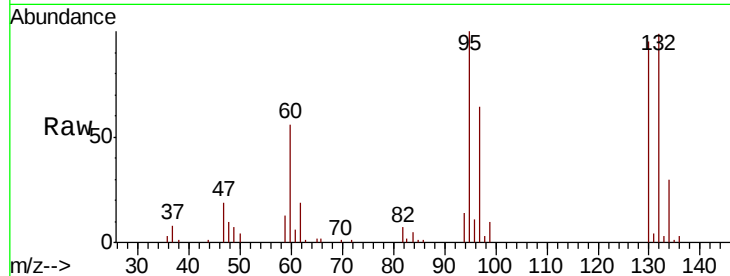
Ion Ratio Lower Upper

95 100

97 64.3 42.0 78.0

132 98.5 65.0 120.8

130 94.9 65.5 121.7

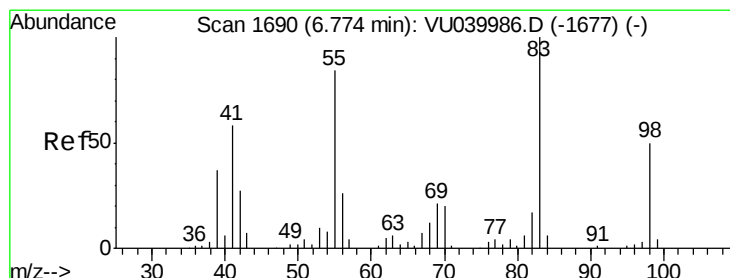
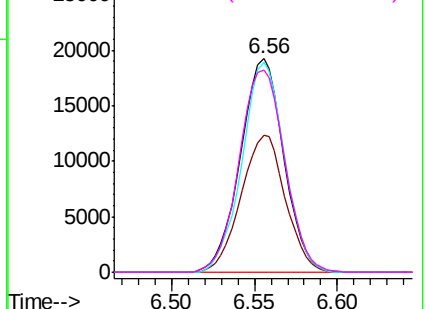
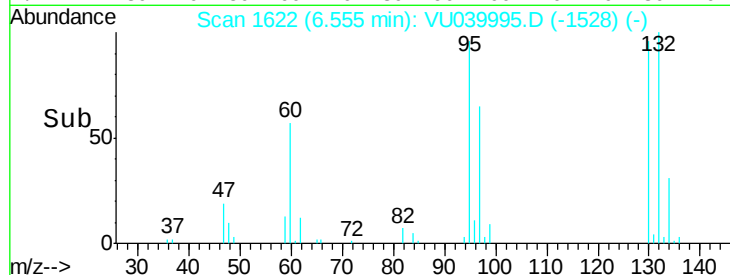


Abundance Ion 95.00 (94.70 to 95.70): VU039995.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU039995.D (-1528) (-)

Ion 131.95 (131.65 to 132.65): VU039995.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU039995.D (-1528) (-)



#35

Methylcyclohexane

Concen: 4.663 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU039995.D

Acq: 27 Aug 2020 16:44

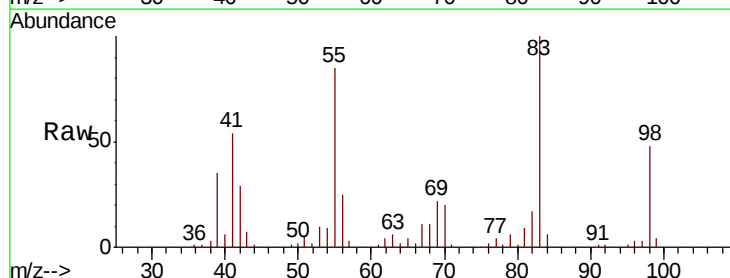
Tgt Ion: 83 Resp: 50100

Ion Ratio Lower Upper

83 100

55 86.9 64.1 96.1

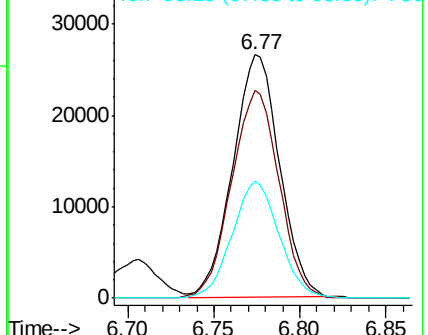
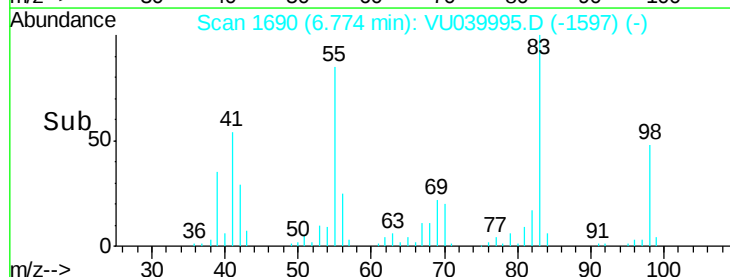
98 48.3 39.4 59.0

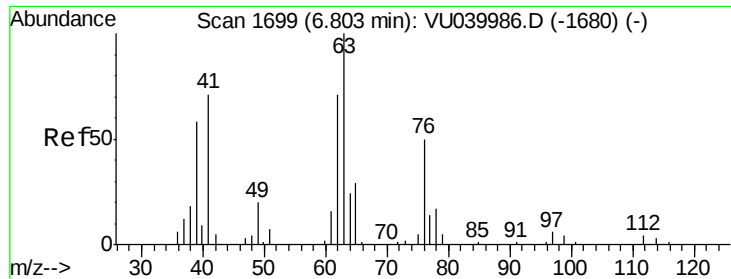


Abundance Ion 83.15 (82.85 to 83.85): VU039995.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU039995.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU039995.D (-1597) (-)





#37

1,2-Dichloropropane

Concen: 4.932 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU039995.D

Acq: 27 Aug 2020 16:44

Instrument :

MSVOA_U

ClientSampled :

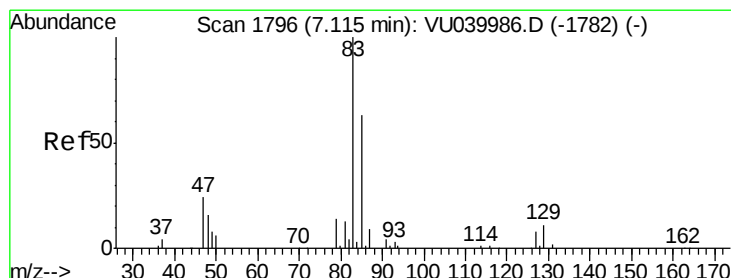
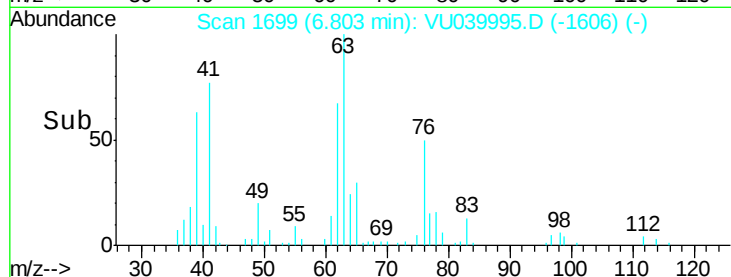
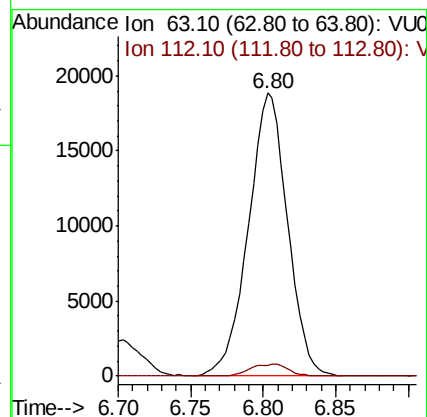
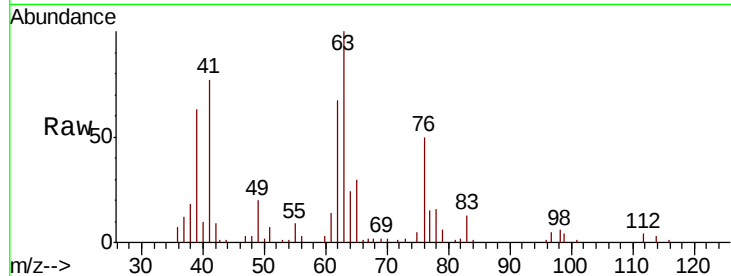
VSTD00514

Tot Ion: 63 Resp: 35420

Ion Ratio Lower Upper

63 100

112 4.1 4.1 6.1



#38

Bromodichloromethane

Concen: 5.441 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VU039995.D

Acq: 27 Aug 2020 16:44

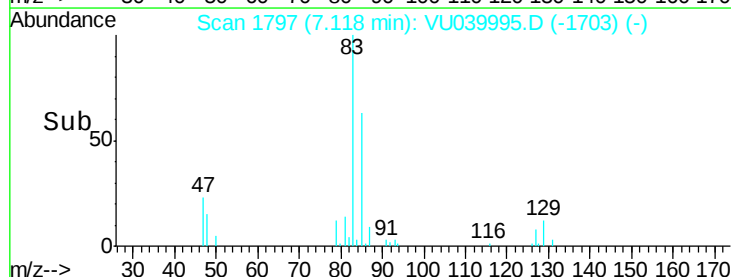
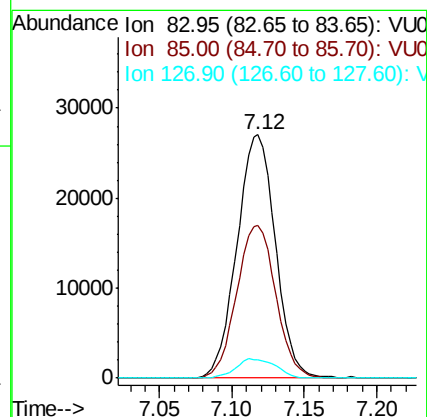
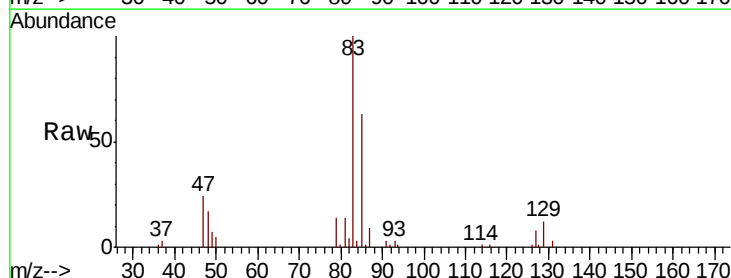
Tgt Ion: 83 Resp: 49655

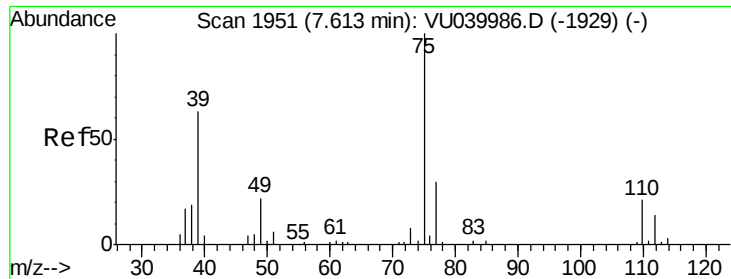
Ion Ratio Lower Upper

83 100

85 62.6 44.3 82.3

127 7.5 6.7 10.1

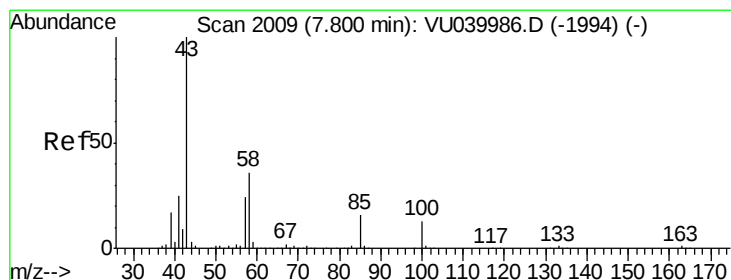
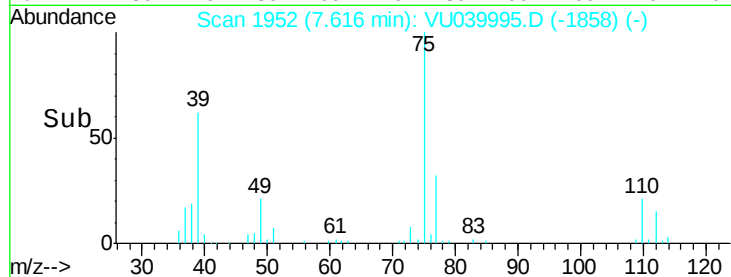
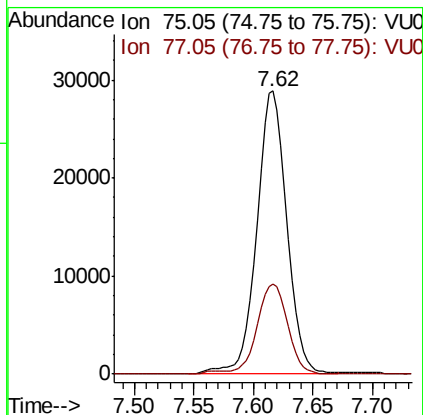
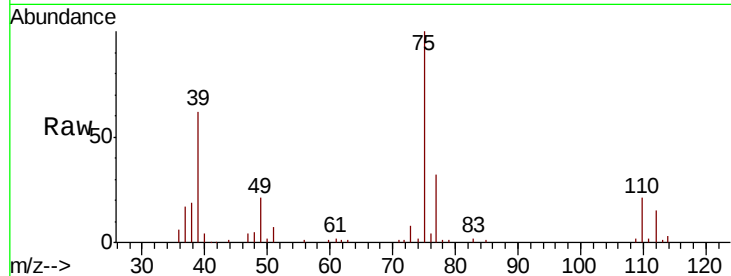




#39
 cis-1,3-Dichloropropene
 Concen: 5.031 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU039995.D
 Acq: 27 Aug 2020 16:44

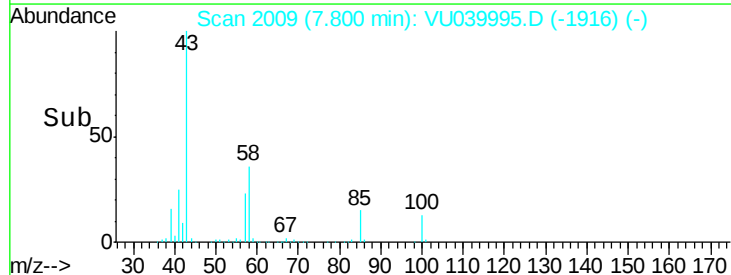
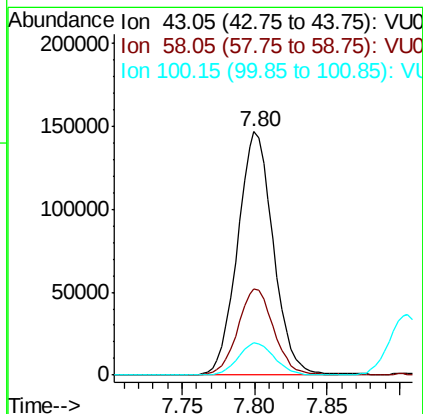
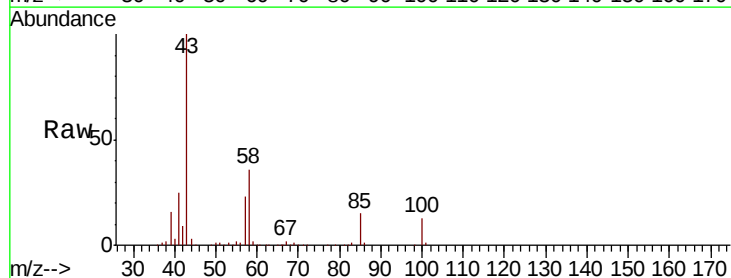
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

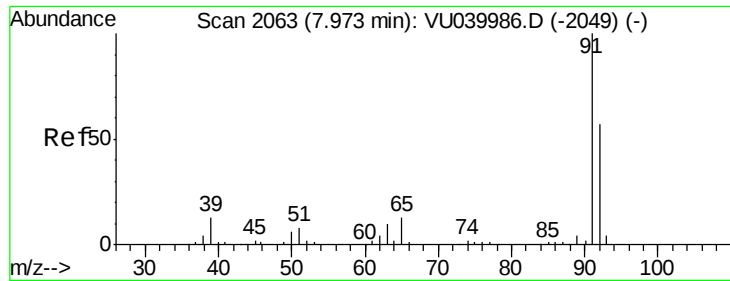
Tot Ion: 75 Resp: 50493
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 44.193 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU039995.D
 Acq: 27 Aug 2020 16:44

Tgt Ion: 43 Resp: 251342
 Ion Ratio Lower Upper
 43 100
 58 35.9 29.7 44.5
 100 13.5 11.2 16.8





#42

Toluene

Concen: 5.058 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039995.D

Acq: 27 Aug 2020 16:44

Instrument :

MSVOA_U

ClientSampleId :

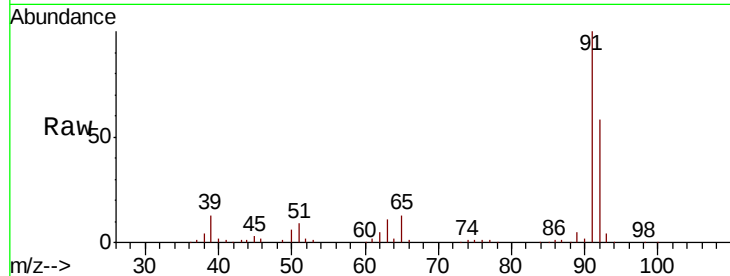
VSTD00514

Tot Ion: 91 Resp: 139800

Ion Ratio Lower Upper

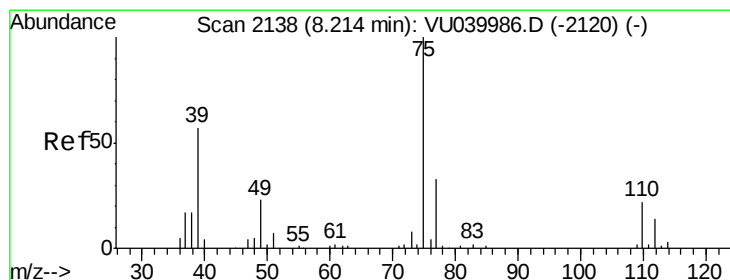
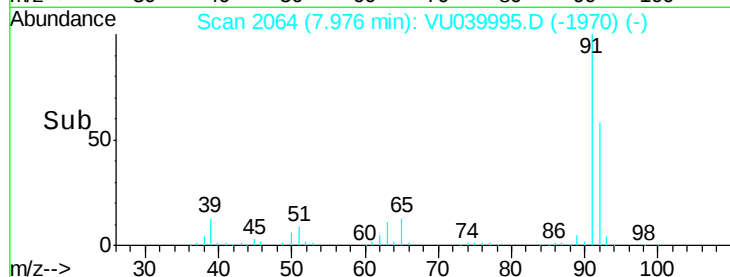
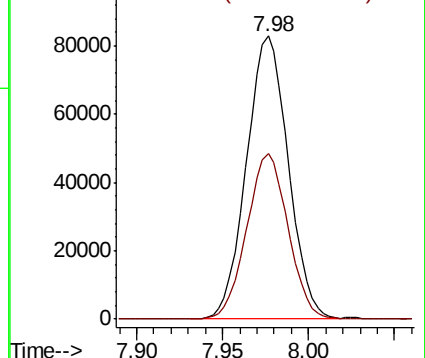
91 100

92 58.3 42.3 78.5



Abundance Ion 91.15 (90.85 to 91.85): VU039986.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU039986.D (-2049) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.862 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU039995.D

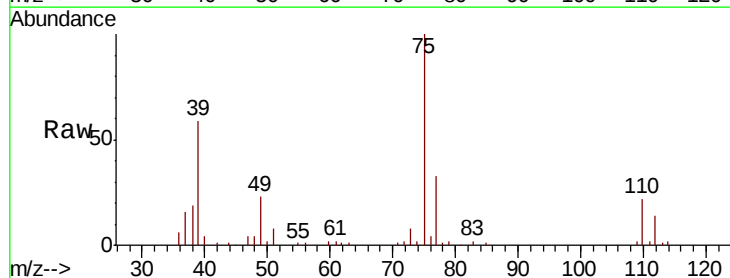
Acq: 27 Aug 2020 16:44

Tgt Ion: 75 Resp: 45858

Ion Ratio Lower Upper

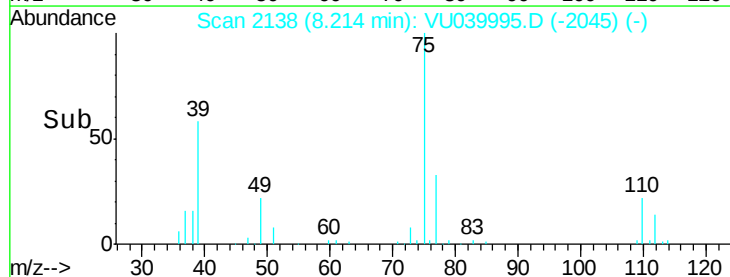
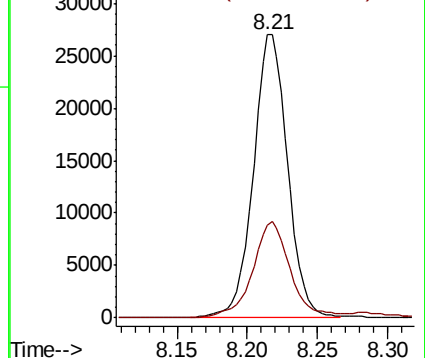
75 100

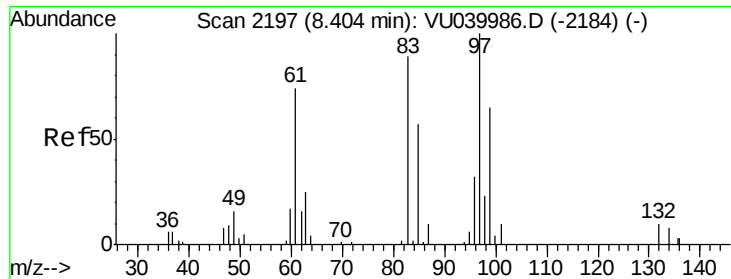
77 32.8 25.3 46.9



Abundance Ion 75.05 (74.75 to 75.75): VU039986.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU039986.D (-2120) (-)

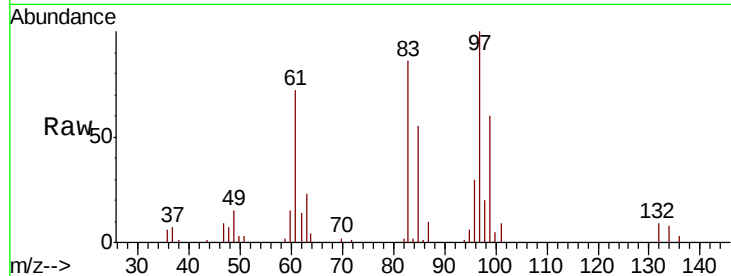




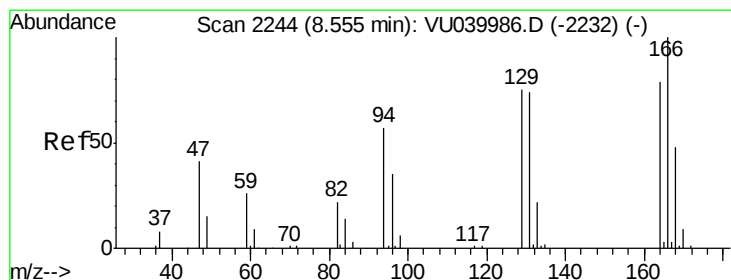
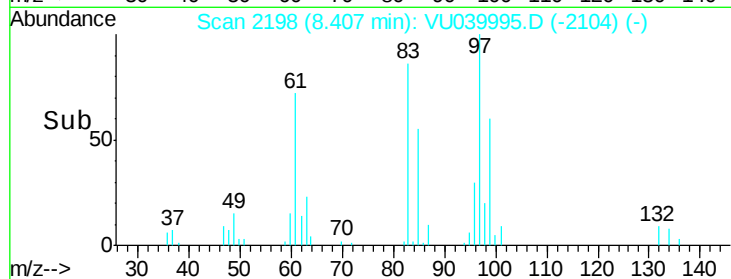
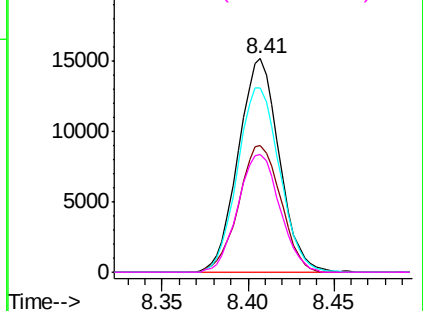
#45
 1,1,2-Trichloroethane
 Concen: 4.615 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU039995.D
 Acq: 27 Aug 2020 16:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tot Ion:	97	Resp:	25181
Ion	Ratio	Lower	Upper
97	100		
99	59.5	42.1	78.3
83	86.3	59.3	110.1
85	55.4	37.2	69.2

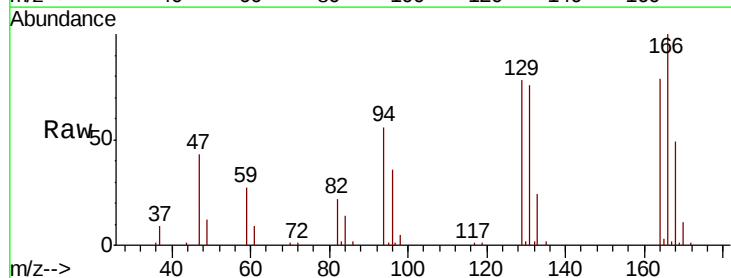


Abundance Ion 96.95 (96.65 to 97.65): VU039995.D (-2194) (-)
 Ion 99.05 (98.75 to 99.75): VU039995.D (-2194) (-)
 Ion 82.95 (82.65 to 83.65): VU039995.D (-2194) (-)
 Ion 85.00 (84.70 to 85.70): VU039995.D (-2194) (-)

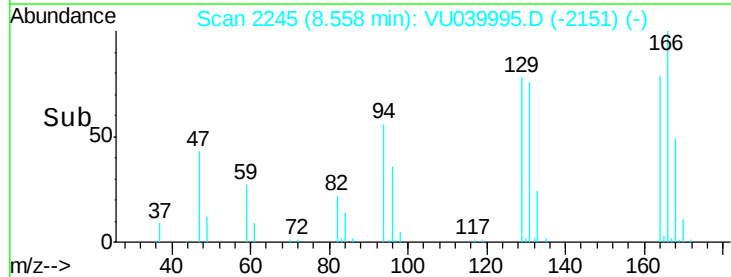
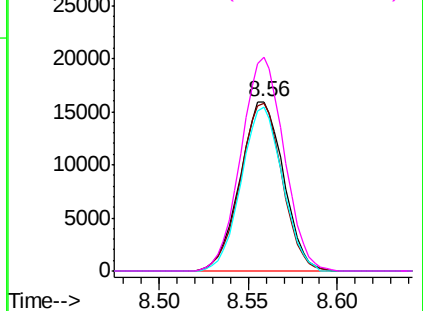


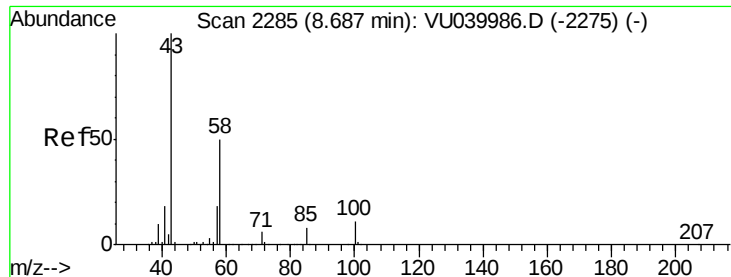
#47
 Tetrachloroethene
 Concen: 5.253 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU039995.D
 Acq: 27 Aug 2020 16:44

Tgt Ion:	164	Resp:	27178
Ion	Ratio	Lower	Upper
164	100		
129	98.9	69.1	128.3
131	96.4	66.0	122.6
166	126.1	94.0	174.6



Abundance Ion 163.90 (163.60 to 164.60): VU039995.D (-2244) (-)
 Ion 128.95 (128.65 to 129.65): VU039995.D (-2244) (-)
 Ion 130.95 (130.65 to 131.65): VU039995.D (-2244) (-)
 Ion 165.90 (165.60 to 166.60): VU039995.D (-2244) (-)

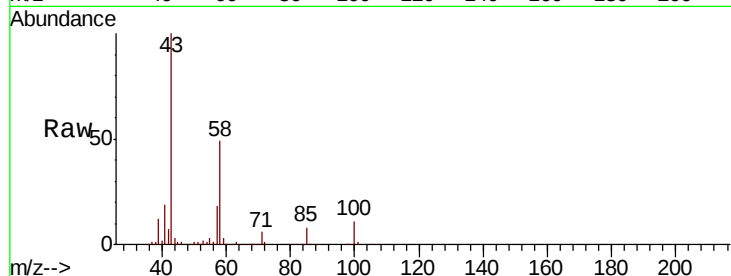




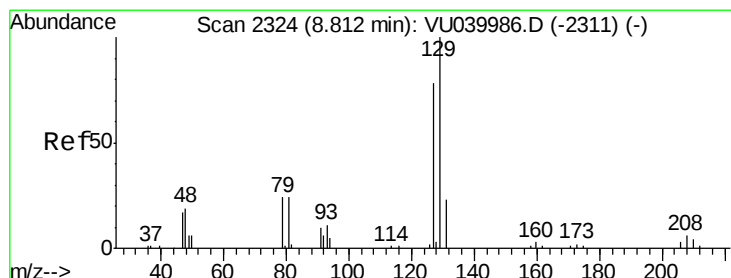
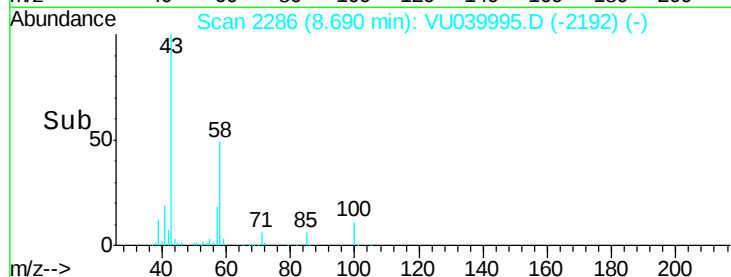
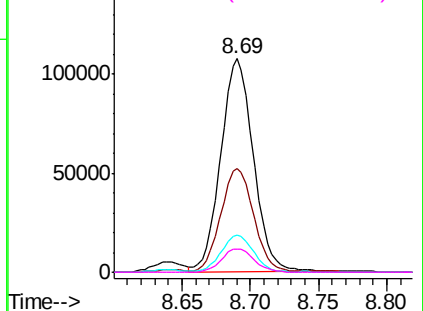
#48
2-Hexanone
Concen: 43.698 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU039995.D
Acq: 27 Aug 2020 16:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Tot Ion:	43	Resp:	178099
Ion	Ratio	Lower	Upper
43	100		
58	49.6	41.3	61.9
57	16.9	14.1	21.1
100	11.0	9.1	13.7

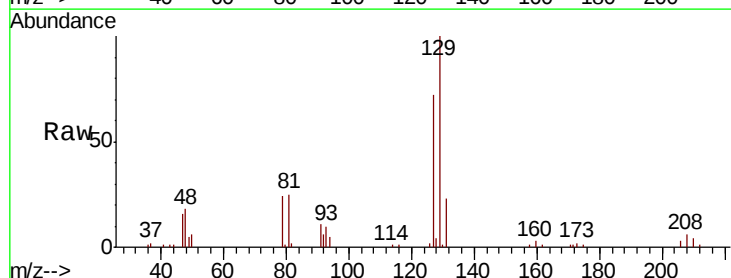


Abundance Ion 43.05 (42.75 to 43.75): VU039995.D (-2192) (-)
Ion 58.05 (57.75 to 58.75): VU039995.D (-2192) (-)
Ion 57.20 (56.90 to 57.90): VU039995.D (-2192) (-)
Ion 100.15 (99.85 to 100.85): VU039995.D (-2192) (-)

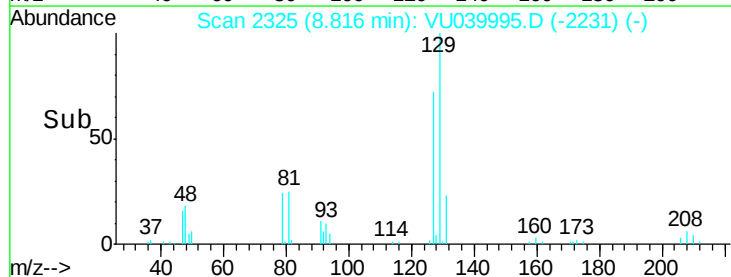
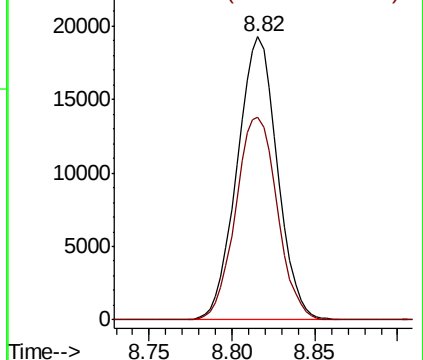


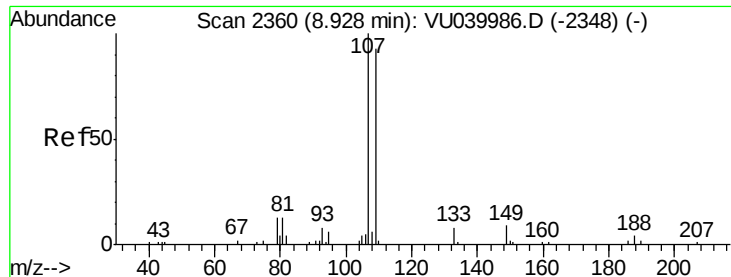
#49
Dibromochloromethane
Concen: 4.973 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039995.D
Acq: 27 Aug 2020 16:44

Tgt Ion:	129	Resp:	32399
Ion	Ratio	Lower	Upper
129	100		
127	71.5	53.1	98.7



Abundance Ion 128.95 (128.65 to 129.65): VU039995.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU039995.D (-2231) (-)





#50

1,2-Dibromoethane

Concen: 4.654 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. 0.00 min

Lab File: VU039995.D

Acq: 27 Aug 2020 16:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

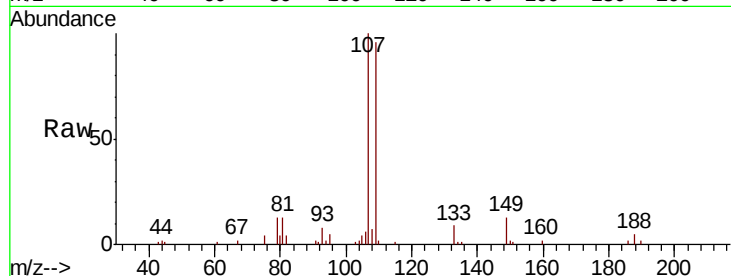
Tot Ion:107 Resp: 24187

Ion Ratio Lower Upper

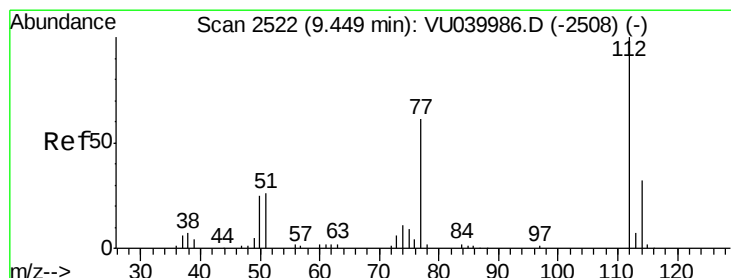
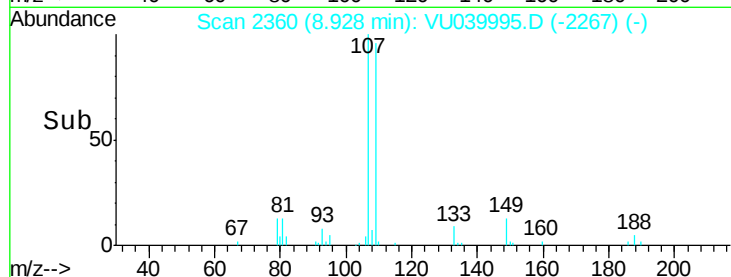
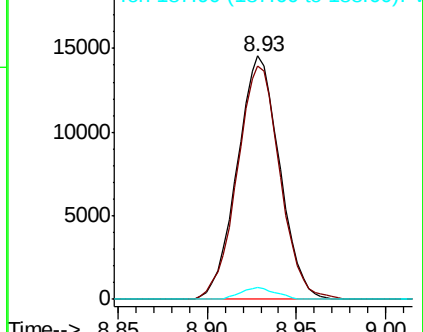
107 100

109 96.1 68.3 126.9

188 4.7 2.2 3.4#



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



#51

Chlorobenzene

Concen: 5.010 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU039995.D

Acq: 27 Aug 2020 16:44

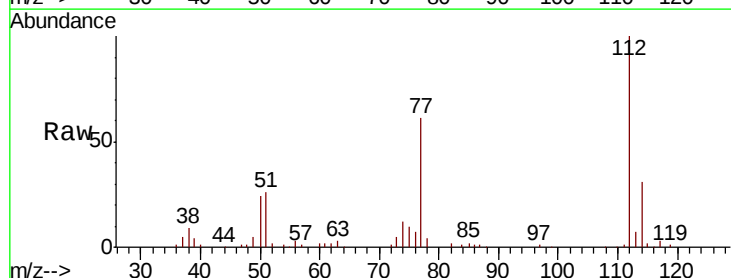
Tgt Ion:112 Resp: 90403

Ion Ratio Lower Upper

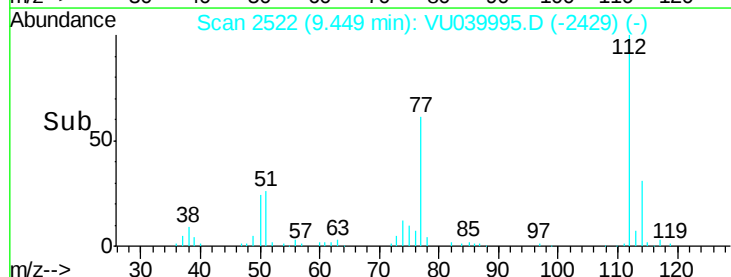
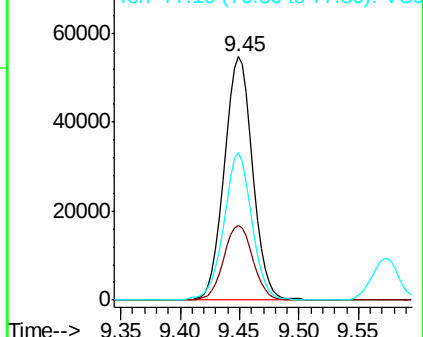
112 100

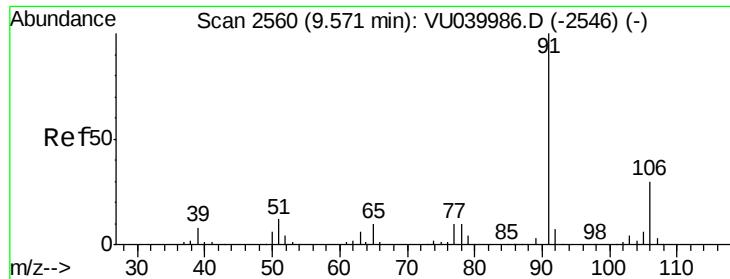
114 30.7 21.8 40.4

77 60.8 45.4 68.0



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.108 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU039995.D

Acq: 27 Aug 2020 16:44

Instrument :

MSVOA_U

ClientSampleId :

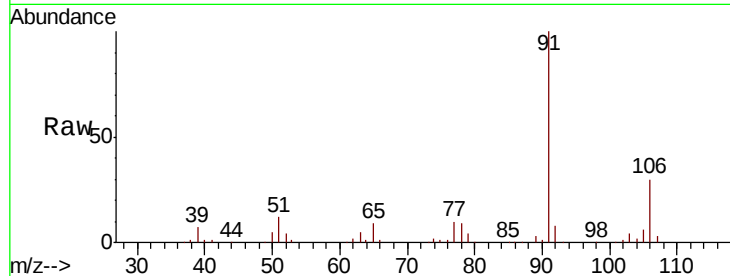
VSTD00514

Tot Ion: 91 Resp: 153548

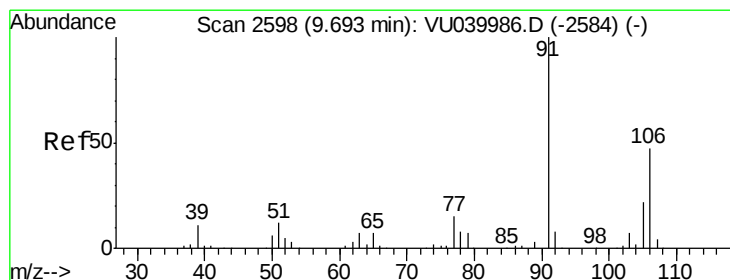
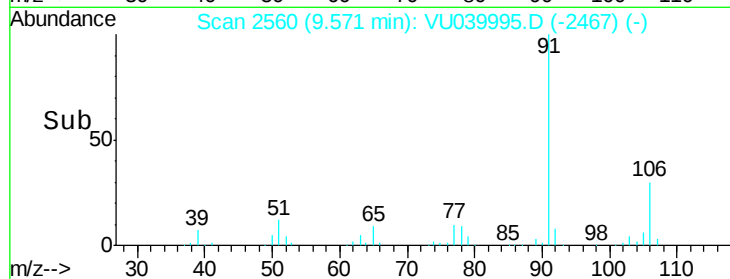
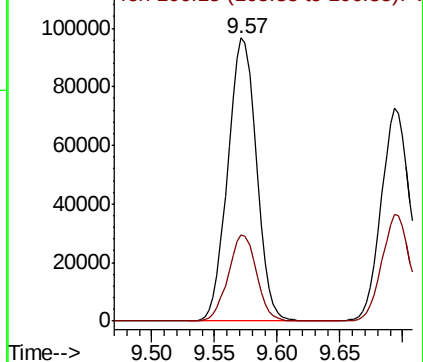
Ion Ratio Lower Upper

91 100

106 30.4 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU039995.D (-2467) (-)



#53

m,p-Xylene

Concen: 5.036 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU039995.D

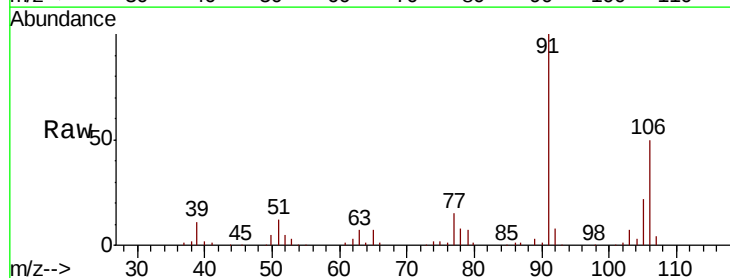
Acq: 27 Aug 2020 16:44

Tgt Ion: 106 Resp: 58111

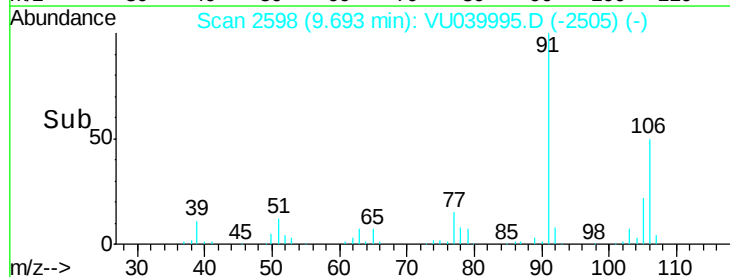
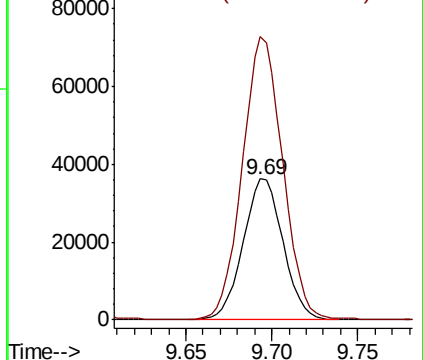
Ion Ratio Lower Upper

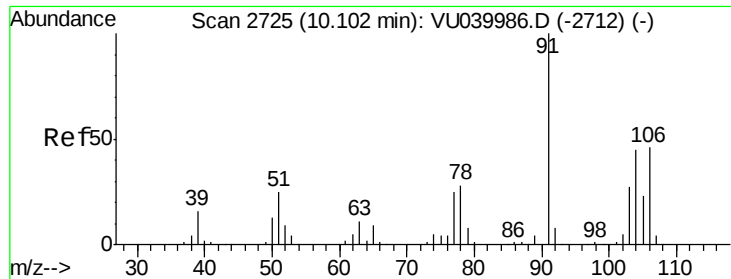
106 100

91 200.6 139.8 259.6



Abundance Ion 106.15 (105.85 to 106.85): VU039995.D (-2505) (-)

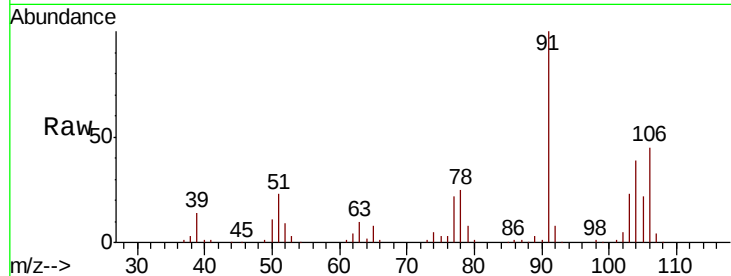




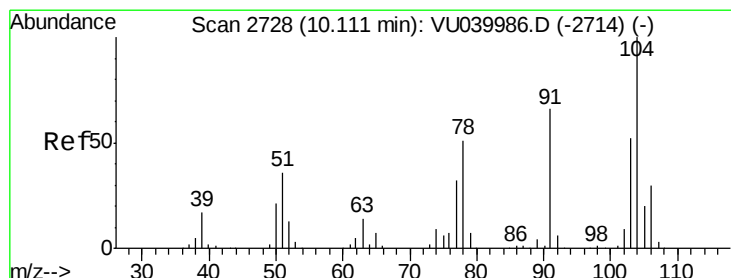
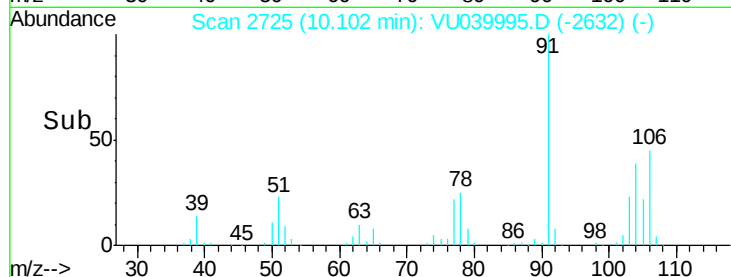
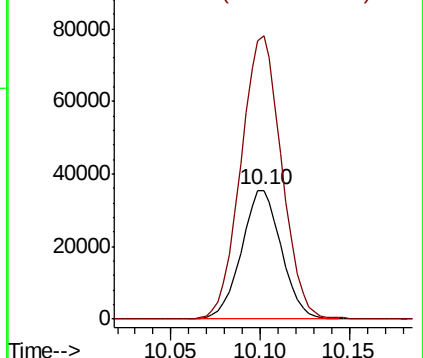
#54
o-Xylene
Concen: 5.108 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039995.D
Acq: 27 Aug 2020 16:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Tot Ion:106 Resp: 55721
Ion Ratio Lower Upper
106 100
91 219.8 144.6 268.6

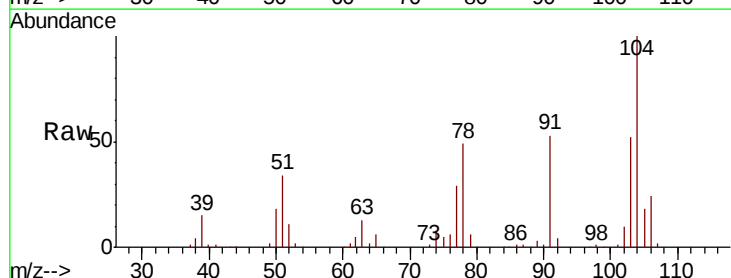


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

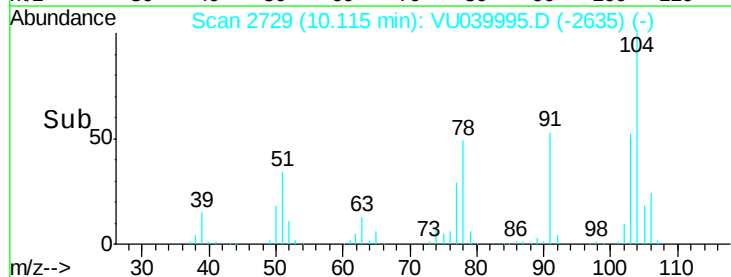
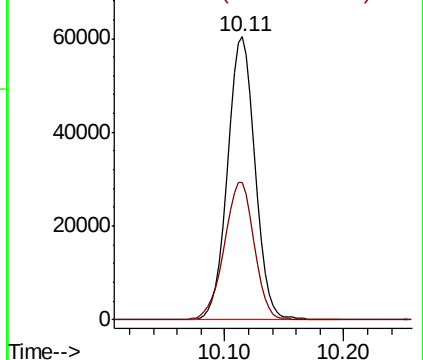


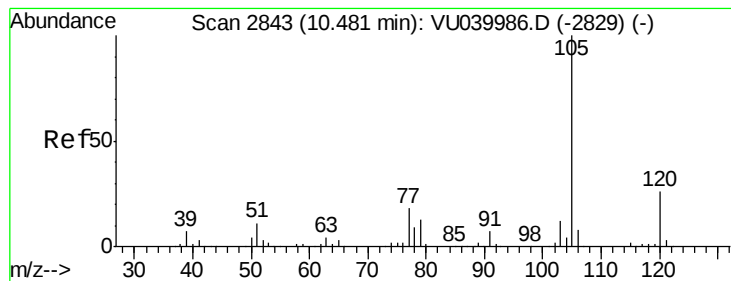
#55
Styrene
Concen: 5.120 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039995.D
Acq: 27 Aug 2020 16:44

Tgt Ion:104 Resp: 96814
Ion Ratio Lower Upper
104 100
78 48.6 32.3 59.9



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





#56

Isopropylbenzene

Concen: 5.061 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039995.D

Acq: 27 Aug 2020 16:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

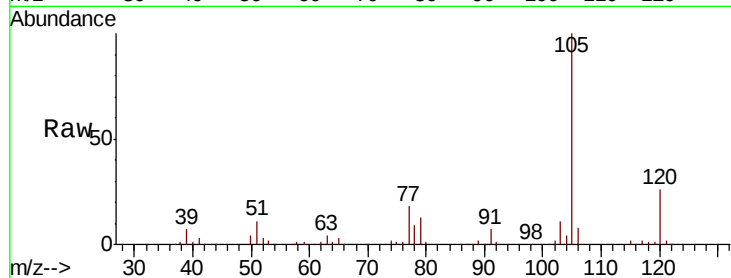
Tot Ion:105 Resp: 147956

Ion Ratio Lower Upper

105 100

120 26.3 21.5 32.3

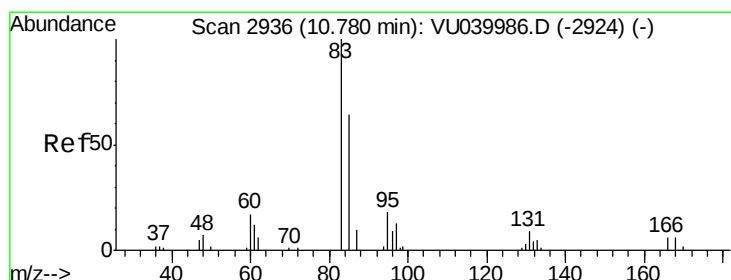
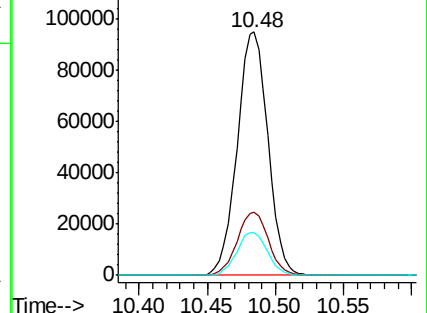
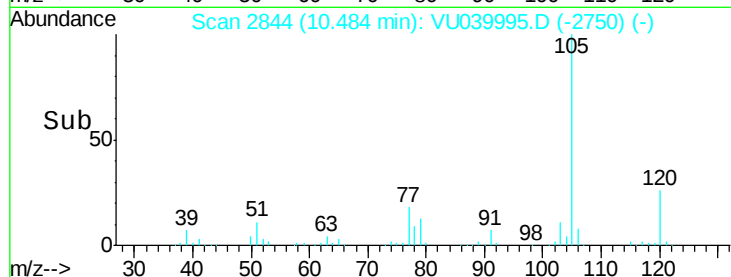
77 17.9 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.236 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU039995.D

Acq: 27 Aug 2020 16:44

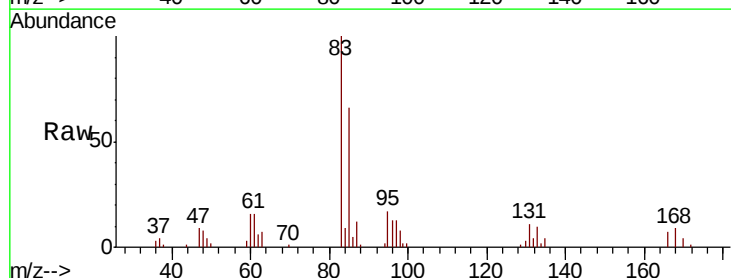
Tgt Ion: 83 Resp: 29843

Ion Ratio Lower Upper

83 100

85 65.5 42.8 79.6

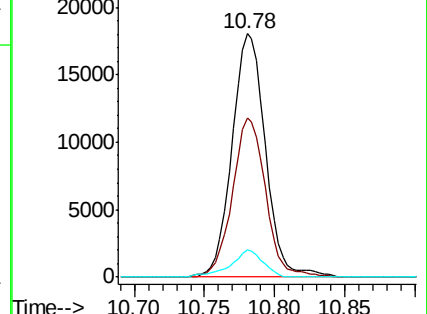
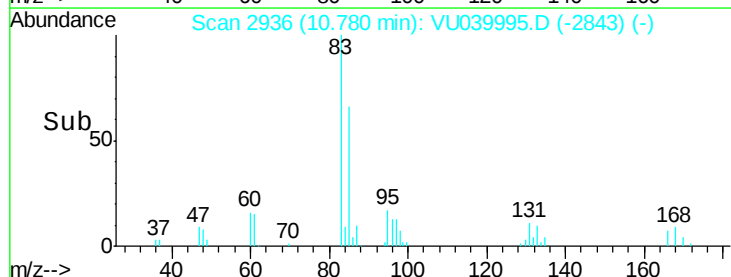
131 11.1 7.4 11.2

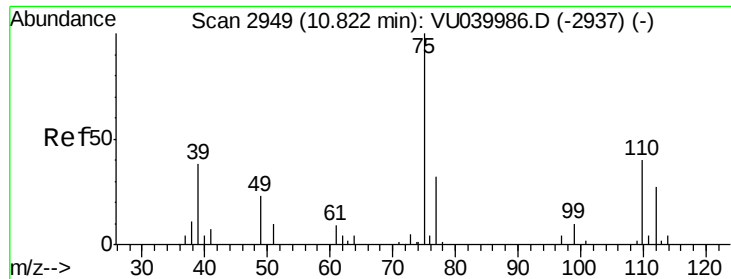


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

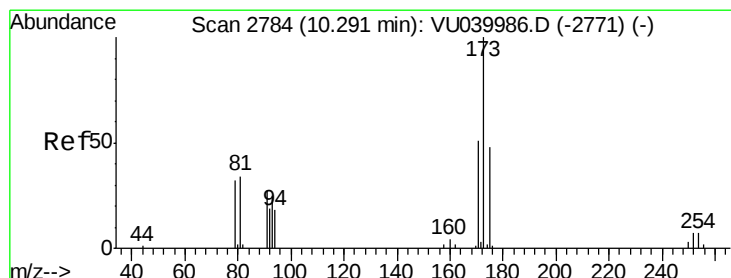
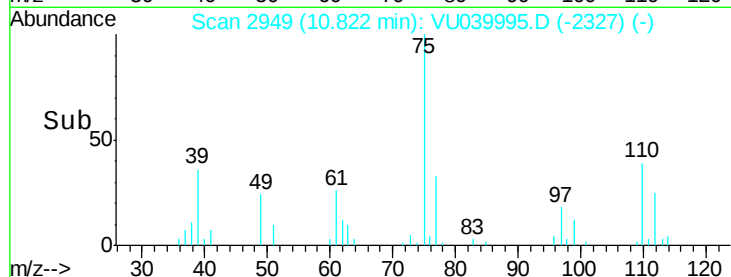
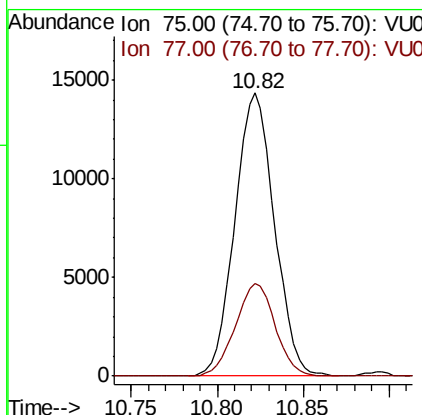
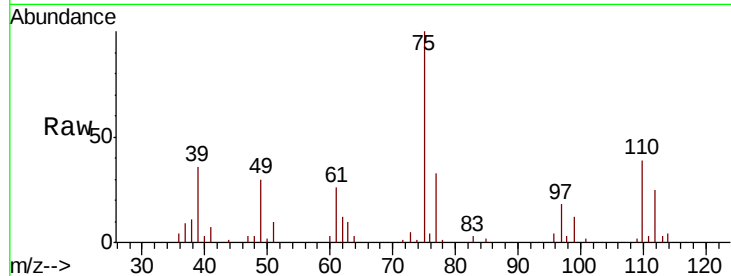




#59
 1,2,3-Trichloropropane
 Concen: 4.441 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU039995.D
 Acq: 27 Aug 2020 16:44

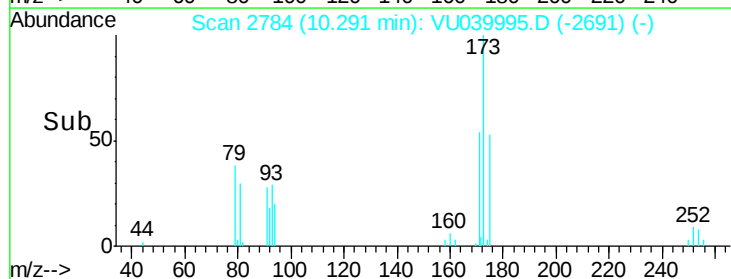
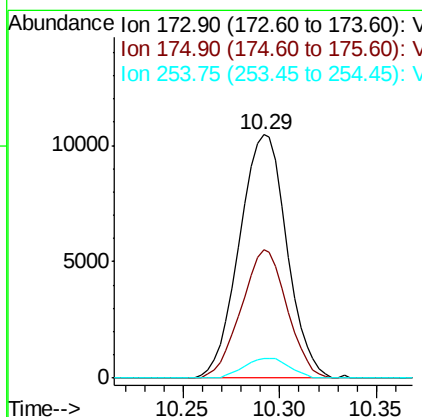
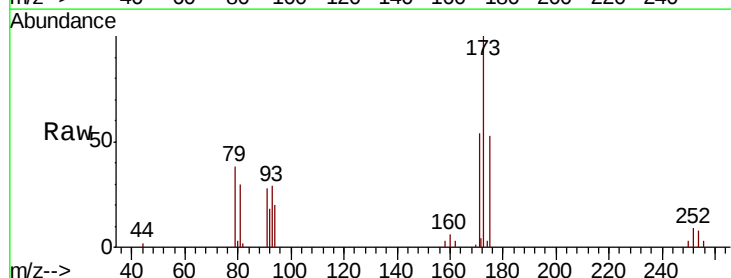
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

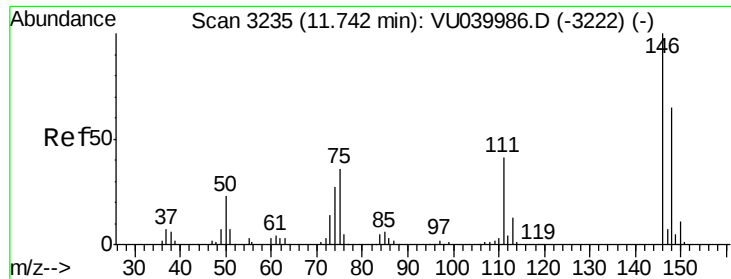
Tot Ion: 75 Resp: 22849
 Ion Ratio Lower Upper
 75 100
 77 32.9 27.4 41.2



#61
 Bromoform
 Concen: 5.154 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU039995.D
 Acq: 27 Aug 2020 16:44

Tgt Ion:173 Resp: 17837
 Ion Ratio Lower Upper
 173 100
 175 50.8 37.6 56.4
 254 7.8 5.8 8.8

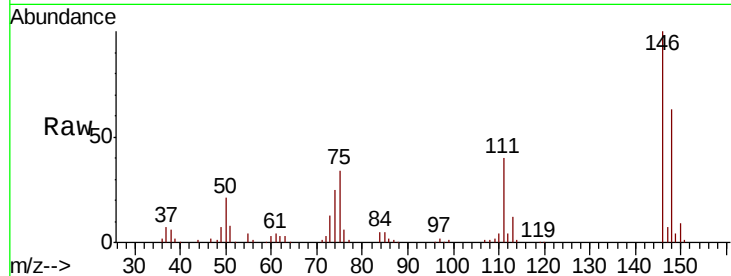




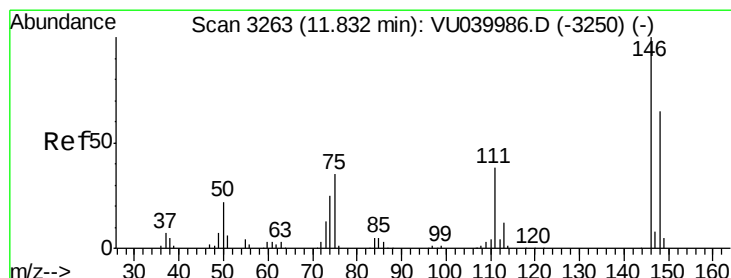
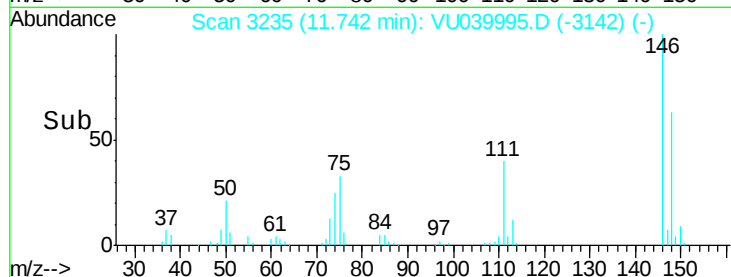
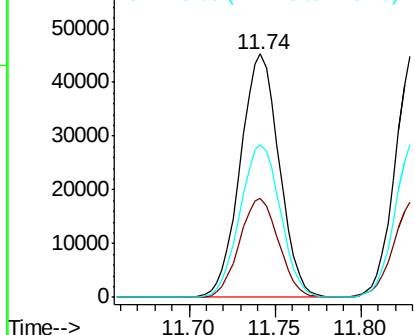
#62
 1,3-Dichlorobenzene
 Concen: 4.895 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039995.D
 Acq: 27 Aug 2020 16:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tot Ion:146 Resp: 71219
 Ion Ratio Lower Upper
 146 100
 111 40.4 27.6 51.4
 148 62.8 43.8 81.4

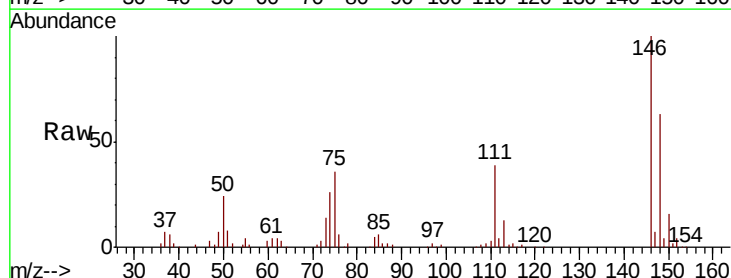


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

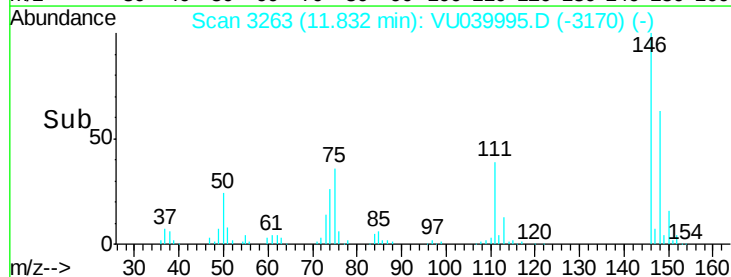
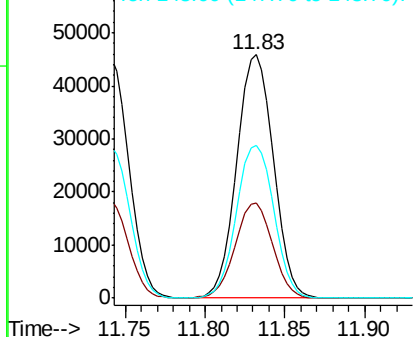


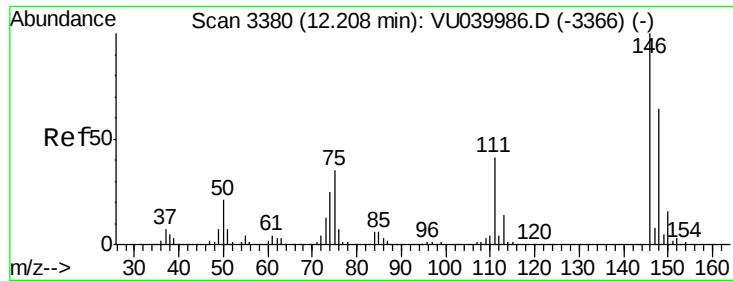
#63
 1,4-Dichlorobenzene
 Concen: 4.840 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU039995.D
 Acq: 27 Aug 2020 16:44

Tgt Ion:146 Resp: 71701
 Ion Ratio Lower Upper
 146 100
 111 38.9 26.5 49.1
 148 62.8 42.8 79.4



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





#65

1,2-Dichlorobenzene

Concen: 4.794 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU039995.D

Acq: 27 Aug 2020 16:44

Instrument :

MSVOA_U

ClientSampled :

VSTD00514

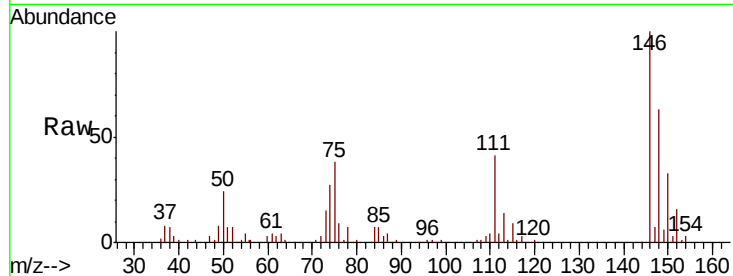
Tot Ion:146 Resp: 67308

Ion Ratio Lower Upper

146 100

111 41.4 33.4 50.0

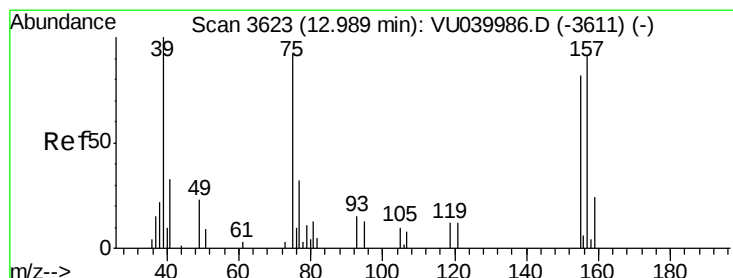
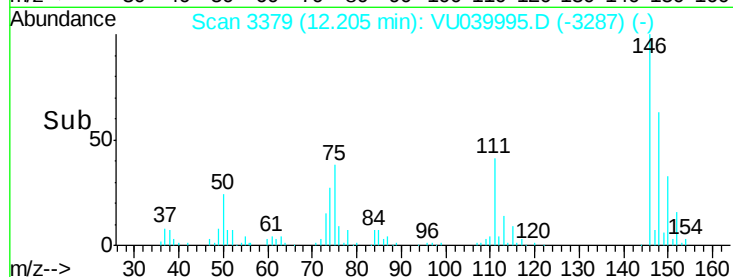
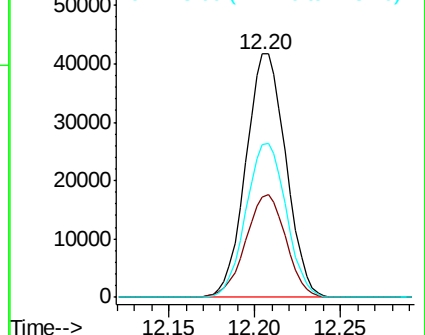
148 62.5 51.4 77.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.226 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU039995.D

Acq: 27 Aug 2020 16:44

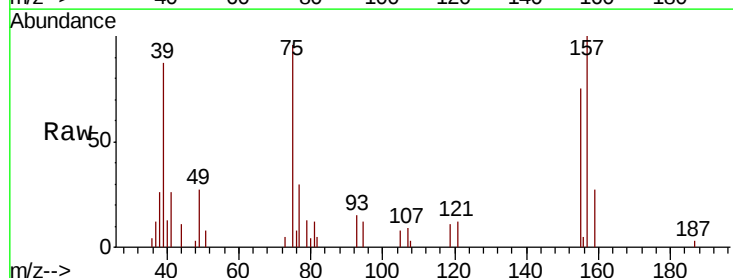
Tgt Ion: 75 Resp: 6000

Ion Ratio Lower Upper

75 100

155 78.5 54.6 82.0

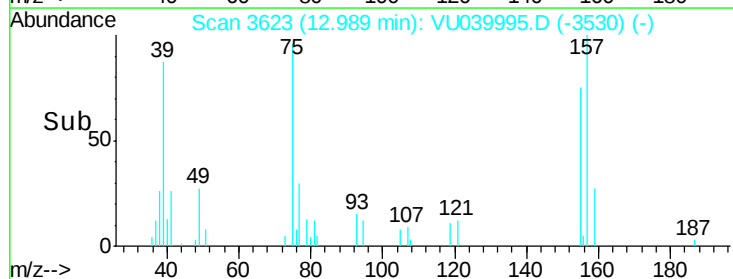
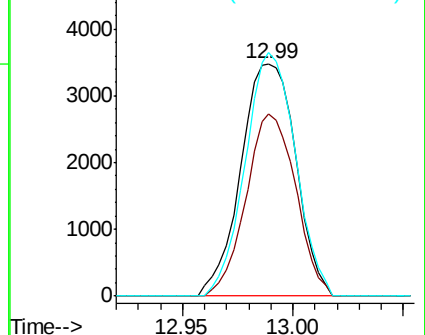
157 104.6 72.2 108.4

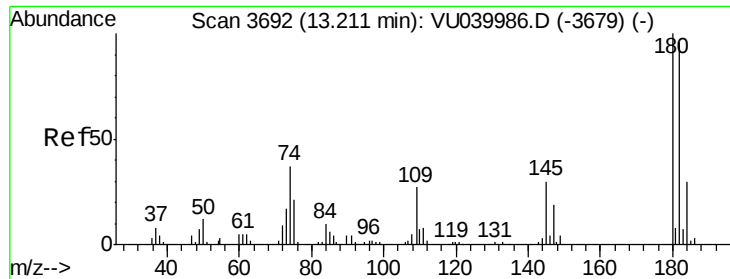


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

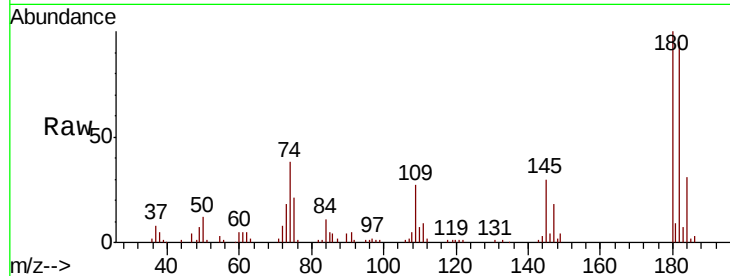




#67
 1,3,5-Trichlorobenzene
 Concen: 5.109 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039995.D
 Acq: 27 Aug 2020 16:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	79.2	118.8
184	30.0	24.6	36.8
145	29.8	25.7	38.5



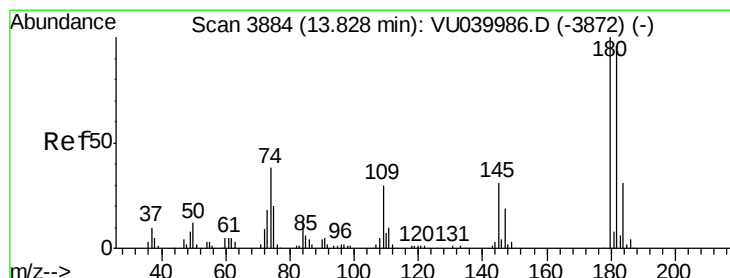
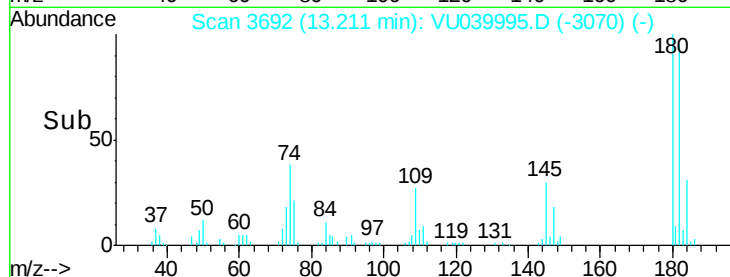
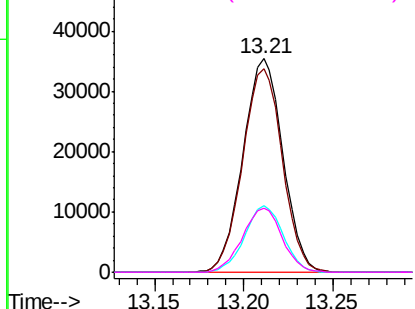
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

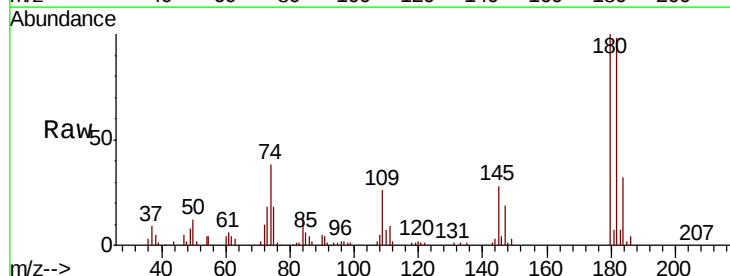
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.230 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039995.D
 Acq: 27 Aug 2020 16:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.2	112.8
145	29.2	24.6	36.8

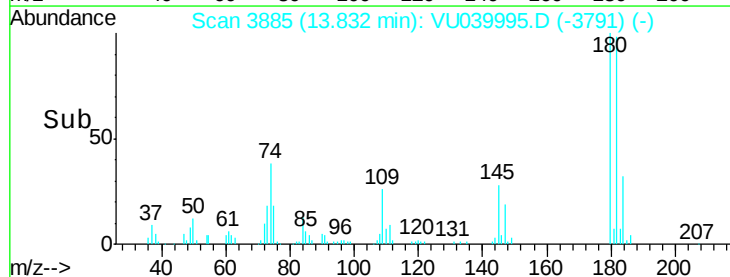
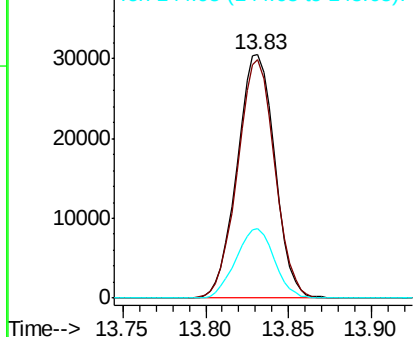


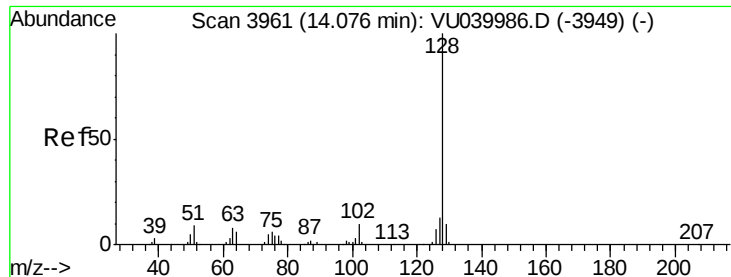
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.558 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU039995.D

Acq: 27 Aug 2020 16:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

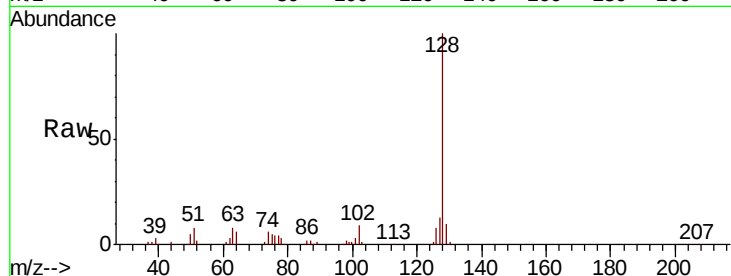
Tot Ion:128 Resp: 77608

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

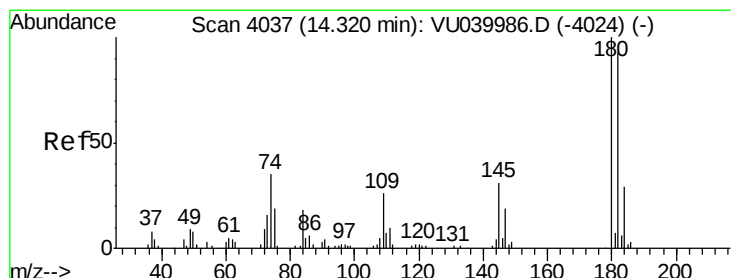
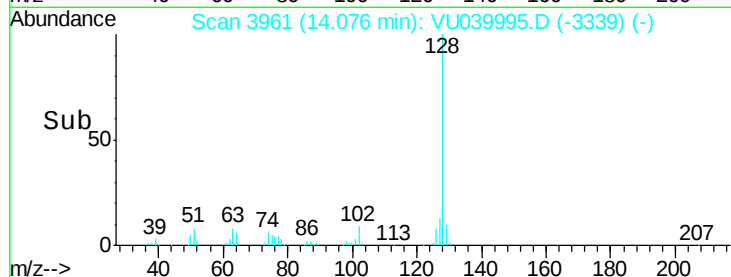
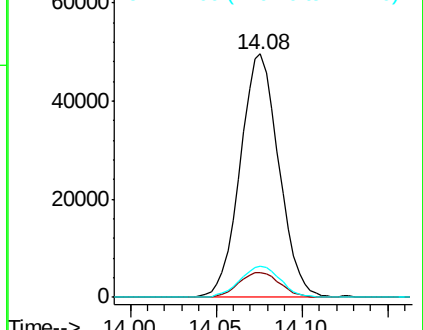
127 13.5 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.203 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU039995.D

Acq: 27 Aug 2020 16:44

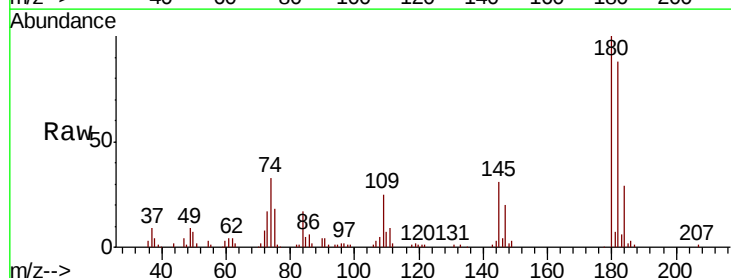
Tgt Ion:180 Resp: 44816

Ion Ratio Lower Upper

180 100

182 92.3 75.0 112.6

145 31.8 26.4 39.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

