

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082720\
 Data File : VU039986.D
 Acq On : 27 Aug 2020 11:14
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Quant Time: Aug 28 01:04:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 27 12:31:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	82442	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	81440	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	43206	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	26333	3.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.20%
7) Chloroethane-d5	1.92	69	22122	3.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.20%
11) 1,1-Dichloroethene-d2	2.58	63	62554	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.80%
20) 2-Butanone-d5	4.65	46	99574	43.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.54%
24) Chloroform-d	5.08	84	61967	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.72	65	36887	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
32) Benzene-d6	5.74	84	108154	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.70	67	34375	4.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.00%
41) Toluene-d8	7.90	98	97801	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	8.18	79	15946	4.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.00%
46) 2-Hexanone-d5	8.64	63	75175	44.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.28%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	30505	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	39847	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	48509	5.661	ug/L 100
3) Chloromethane	1.53	50	43170	4.453	ug/L 97
5) Vinyl chloride	1.61	62	45366	4.946	ug/L 93
6) Bromomethane	1.87	94	23682	4.522	ug/L 98
8) Chloroethane	1.94	64	26521	4.522	ug/L 99
9) Trichlorofluoromethane	2.15	101	69105	5.037	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	41072	5.442	ug/L 93
12) 1,1-Dichloroethene	2.59	96	34890	4.839	ug/L 89
13) Acetone	2.66	43	86150	54.785	ug/L # 46
14) Carbon disulfide	2.81	76	108870	4.672	ug/L 100
15) Methyl Acetate	2.97	43	19987	4.951	ug/L 98
16) Methylene chloride	3.06	84	41417	4.177	ug/L 99
17) Methyl tert-butyl Ether	3.38	73	100037	5.502	ug/L 97
18) trans-1,2-Dichloroethene	3.37	96	36638	4.893	ug/L 86
19) 1,1-Dichloroethane	3.89	63	74372	5.357	ug/L 99
21) 2-Butanone	4.73	43	133332	48.798	ug/L 98
22) cis-1,2-Dichloroethene	4.68	96	40915	5.219	ug/L 100

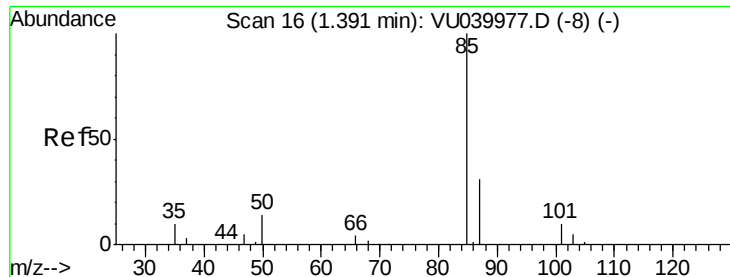
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082720\
 Data File : VU039986.D
 Acq On : 27 Aug 2020 11:14
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 Sample : VSTDCCC005
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081920WMA.M
 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	19344	5.246	ug/L	94
25) Chloroform	5.11	83	79424	5.644	ug/L	95
27) 1,2-Dichloroethane	5.81	62	56109	5.682	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	70862	5.915	ug/L	99
30) Cyclohexane	5.40	56	63468	5.352	ug/L	98
31) Carbon tetrachloride	5.54	117	62922	5.949	ug/L	99
33) Benzene	5.79	78	154923	5.234	ug/L	100
34) Trichloroethene	6.55	95	40676	5.296	ug/L	96
35) Methylcyclohexane	6.77	83	63005	5.355	ug/L	98
37) 1,2-Dichloropropane	6.80	63	40801	5.188	ug/L	97
38) Bromodichloromethane	7.11	83	58229	5.826	ug/L	100
39) cis-1,3-Dichloropropene	7.61	75	60859	5.537	ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	321753	51.657	ug/L	98
42) Toluene	7.97	91	165389	5.464	ug/L	96
44) trans-1,3-Dichloropropene	8.21	75	56754	5.495	ug/L	95
45) 1,1,2-Trichloroethane	8.40	97	30368	5.081	ug/L	95
47) Tetrachloroethene	8.56	164	32573	5.748	ug/L	96
48) 2-Hexanone	8.69	43	234306	52.493	ug/L	98
49) Dibromochloromethane	8.81	129	38829	5.442	ug/L	98
50) 1,2-Dibromoethane	8.93	107	30254	5.316	ug/L #	95
51) Chlorobenzene	9.45	112	109297	5.530	ug/L	95
52) Ethylbenzene	9.57	91	186962	5.679	ug/L	100
53) m,p-Xylene	9.69	106	70328	5.565	ug/L	91
54) o-Xylene	10.10	106	66310	5.551	ug/L	92
55) Styrene	10.11	104	118784	5.736	ug/L	93
56) Isopropylbenzene	10.48	105	183447	5.729	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.78	83	38476	4.986	ug/L	96
59) 1,2,3-Trichloropropane	10.82	75	28981	5.143	ug/L	97
61) Bromoform	10.29	173	23236	6.106	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	85556	5.348	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	85794	5.267	ug/L	96
65) 1,2-Dichlorobenzene	12.21	146	81754	5.296	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.99	75	7114	5.635	ug/L #	84
67) 1,3,5-Trichlorobenzene	13.21	180	67476	5.680	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	57074	5.632	ug/L	98
69) Naphthalene	14.08	128	96425	5.151	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	52638	5.558	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.661 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039986.D

Acq: 27 Aug 2020 11:14

Instrument :

MSVOA_U

ClientSampleId :

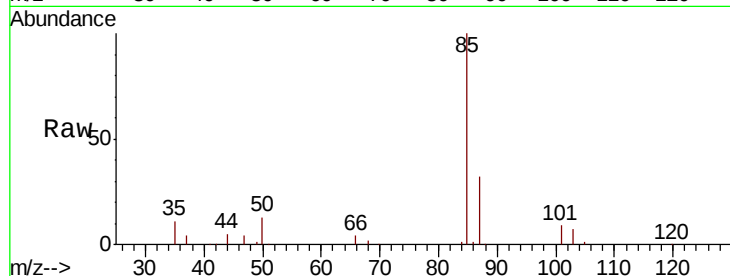
VSTD00513

Tot Ion: 85 Resp: 48509

Ion Ratio Lower Upper

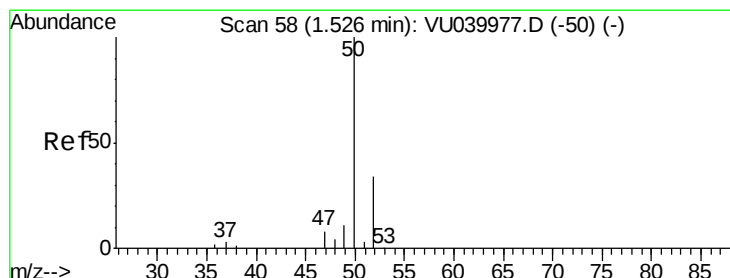
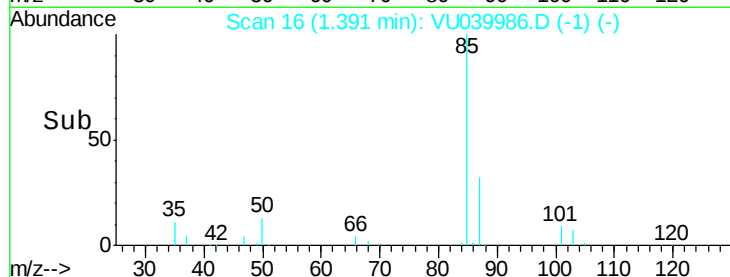
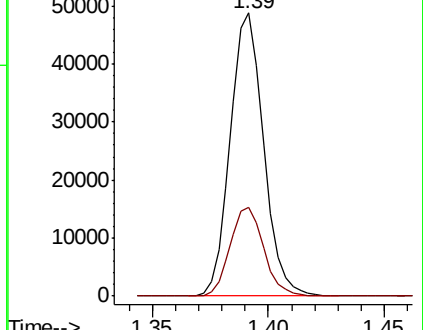
85 100

87 31.8 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039977.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039977.D (-8) (-)



#3

Chloromethane

Concen: 4.453 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039986.D

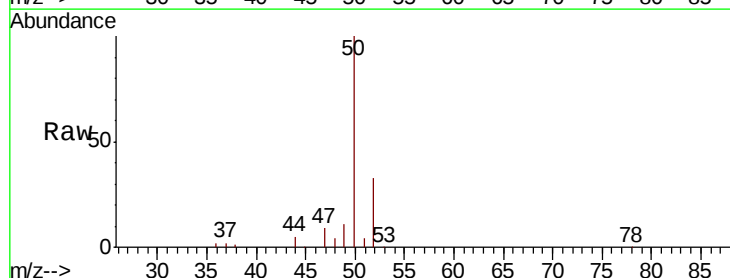
Acq: 27 Aug 2020 11:14

Tgt Ion: 50 Resp: 43170

Ion Ratio Lower Upper

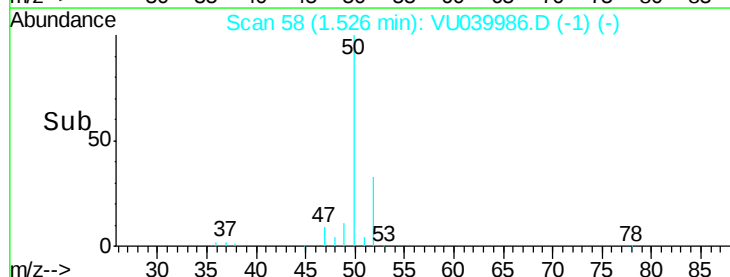
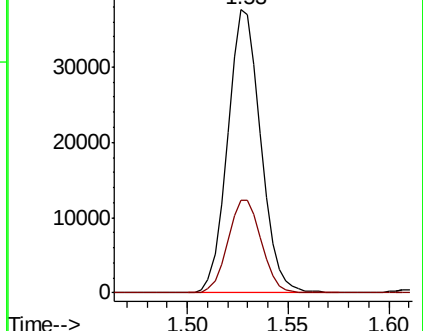
50 100

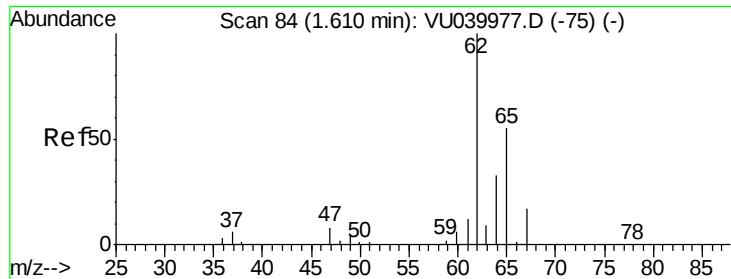
52 32.8 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU039977.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039977.D (-50) (-)





#5

Vinyl chloride

Concen: 4.946 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039986.D

Acq: 27 Aug 2020 11:14

Instrument :

MSVOA_U

ClientSampleId :

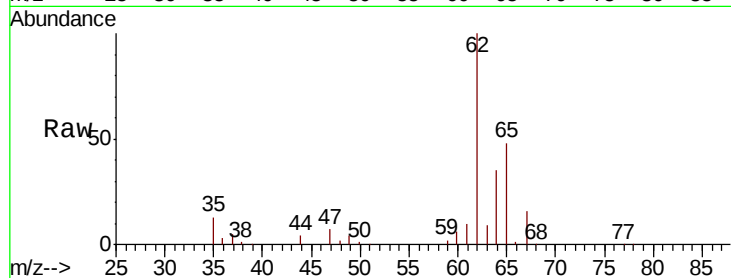
VSTD00513

Tot Ion: 62 Resp: 45366

Ion Ratio Lower Upper

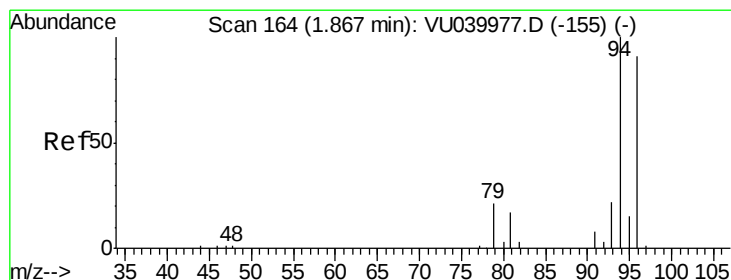
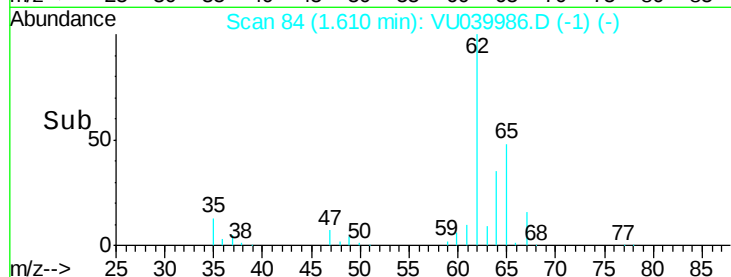
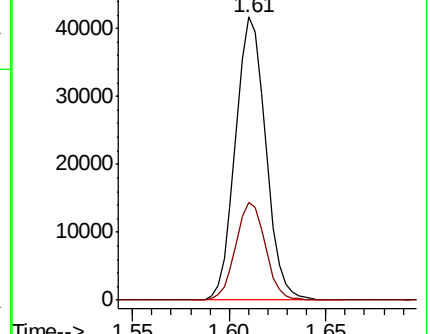
62 100

64 34.7 21.6 40.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.522 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039986.D

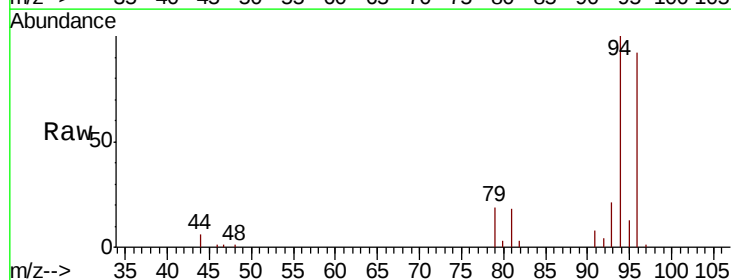
Acq: 27 Aug 2020 11:14

Tgt Ion: 94 Resp: 23682

Ion Ratio Lower Upper

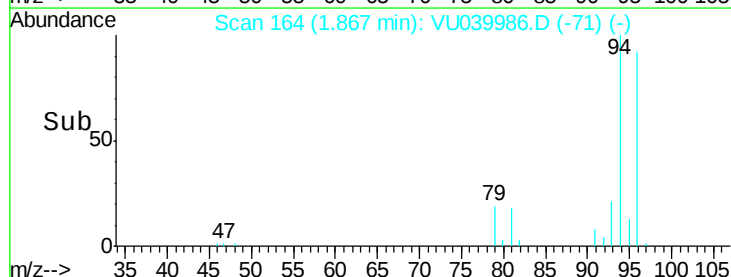
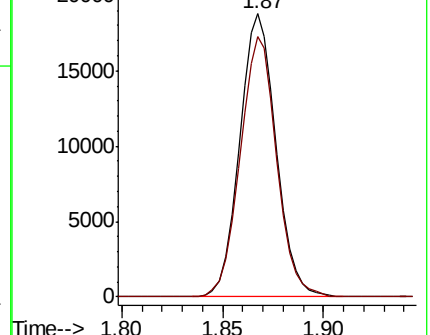
94 100

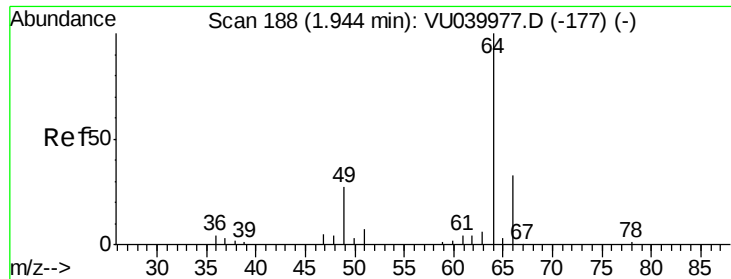
96 92.1 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

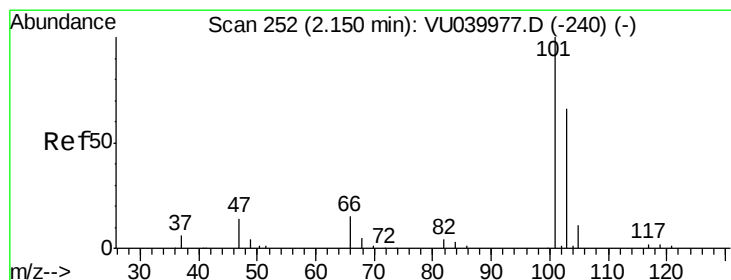
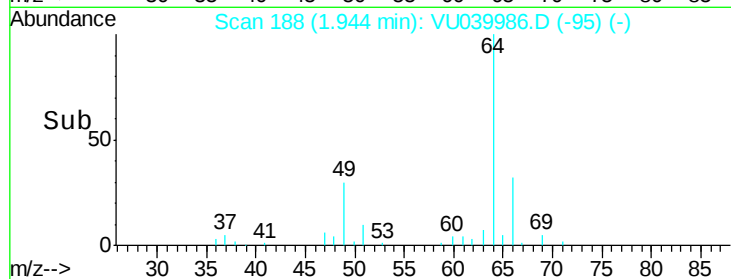
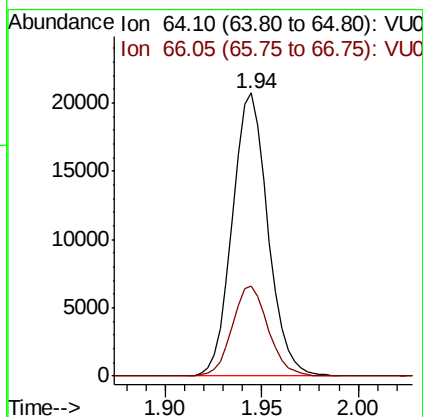
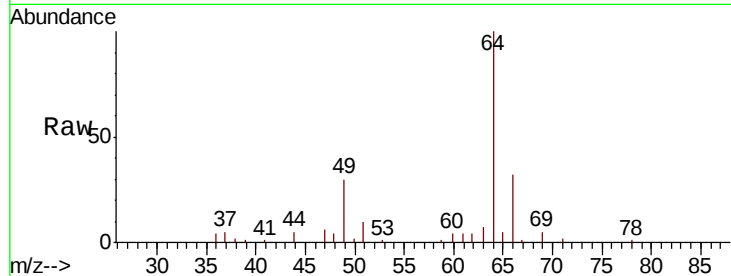




#8
Chloroethane
Concen: 4.522 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU039986.D
Acq: 27 Aug 2020 11:14

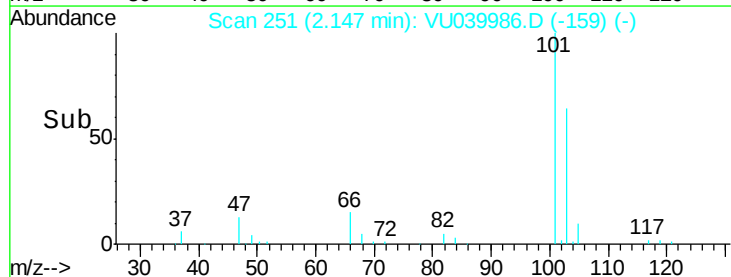
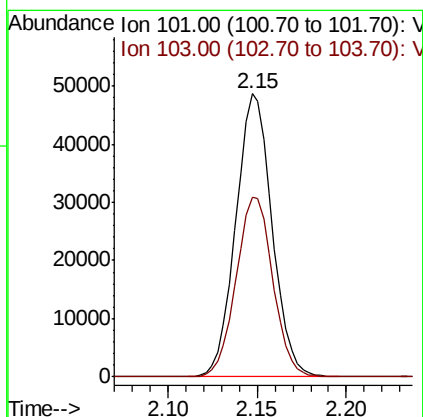
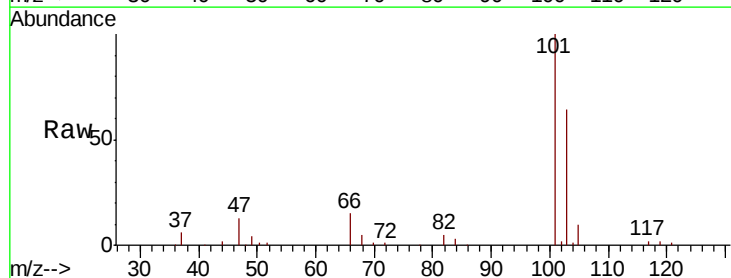
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

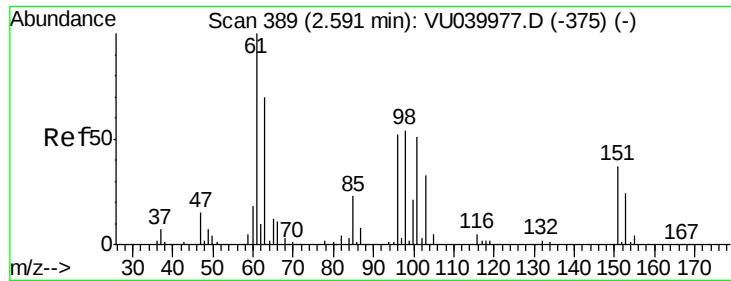
Tot Ion: 64 Resp: 26521
Ion Ratio Lower Upper
64 100
66 31.9 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.037 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU039986.D
Acq: 27 Aug 2020 11:14

Tgt Ion:101 Resp: 69105
Ion Ratio Lower Upper
101 100
103 64.2 51.0 76.4





#10

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

Concen: 5.442 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039986.D

Acq: 27 Aug 2020 11:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

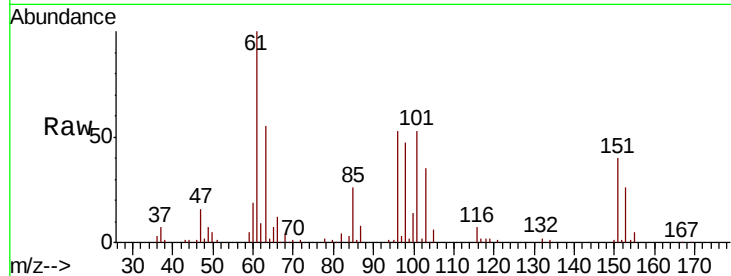
Tot Ion:101 Resp: 41072

Ion Ratio Lower Upper

101 100

85 47.3 34.5 51.7

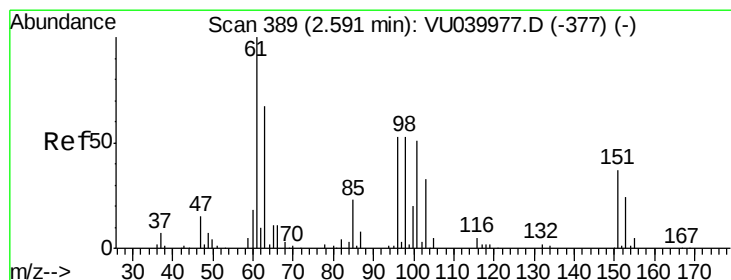
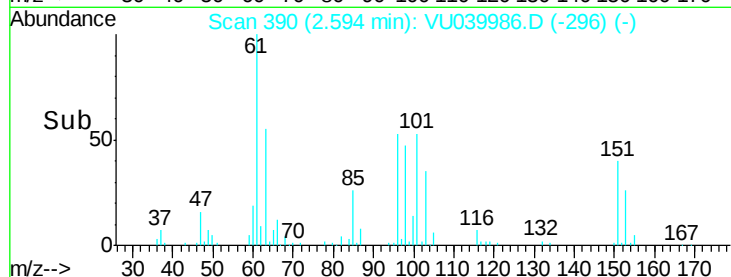
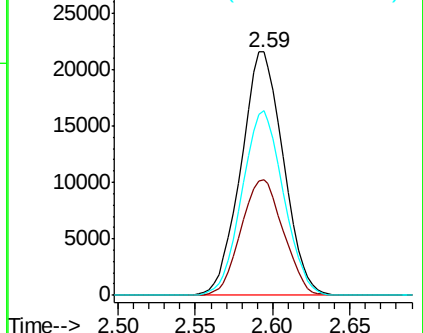
151 74.3 54.4 81.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.839 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039986.D

Acq: 27 Aug 2020 11:14

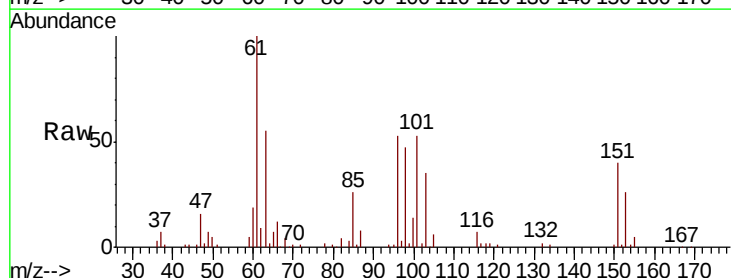
Tgt Ion: 96 Resp: 34890

Ion Ratio Lower Upper

96 100

61 188.5 126.8 235.4

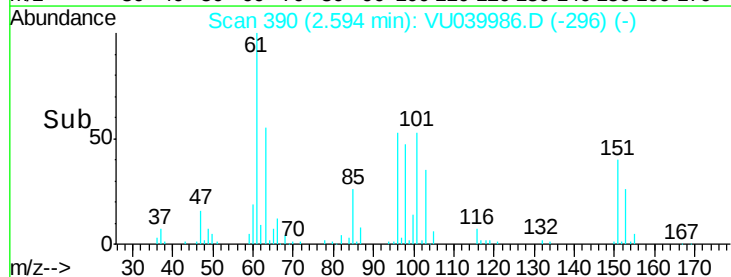
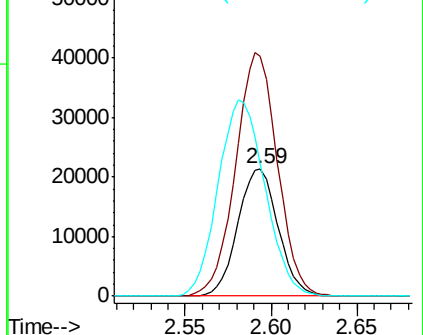
63 104.3 88.6 164.6

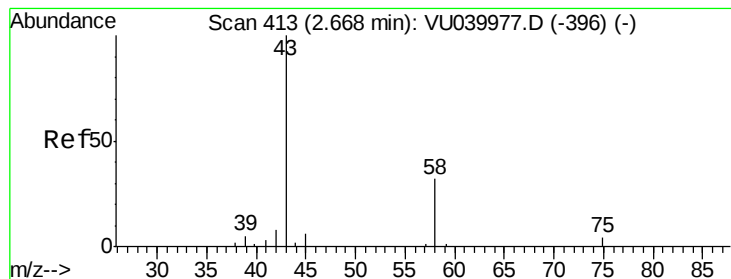


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 54.785 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU039986.D

Acq: 27 Aug 2020 11:14

Instrument :

MSVOA_U

ClientSampleId :

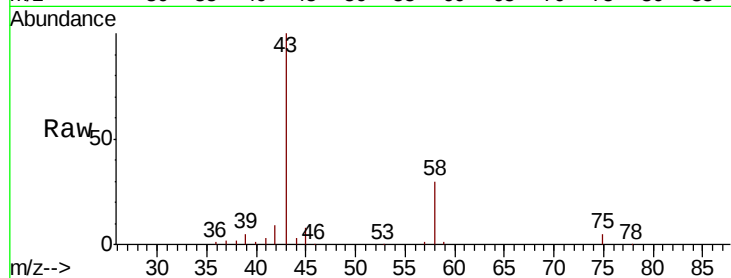
VSTD00513

Tot Ion: 43 Resp: 86150

Ion Ratio Lower Upper

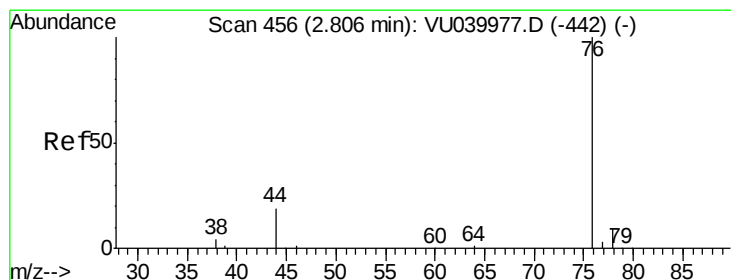
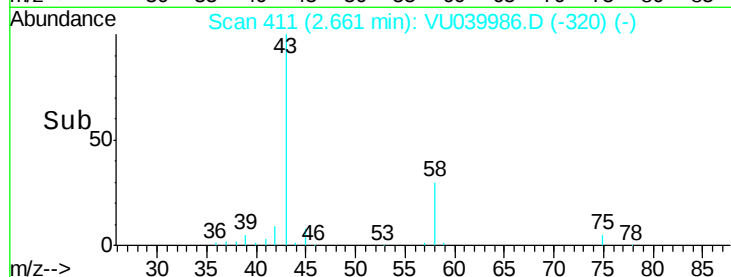
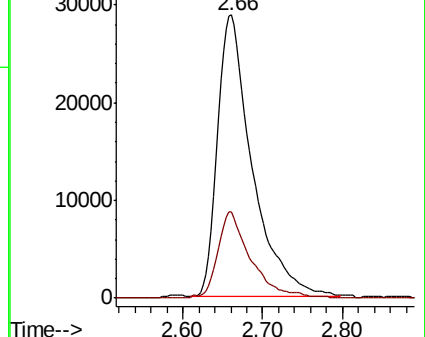
43 100

58 29.1 0.0 19.0#



Abundance Ion 43.05 (42.75 to 43.75): VU039977.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU039977.D (-396) (-)



#14

Carbon disulfide

Concen: 4.672 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039986.D

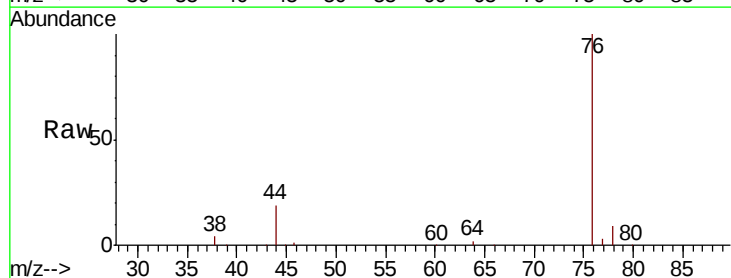
Acq: 27 Aug 2020 11:14

Tgt Ion: 76 Resp: 108870

Ion Ratio Lower Upper

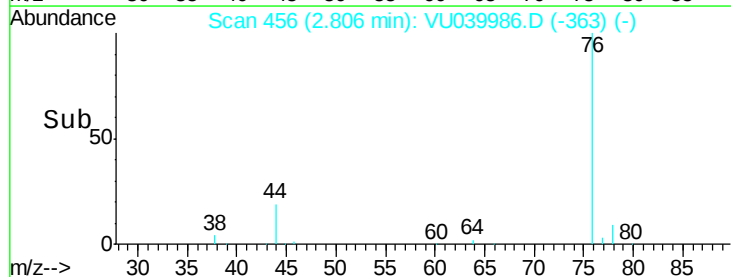
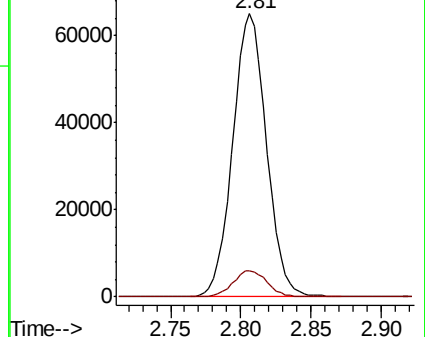
76 100

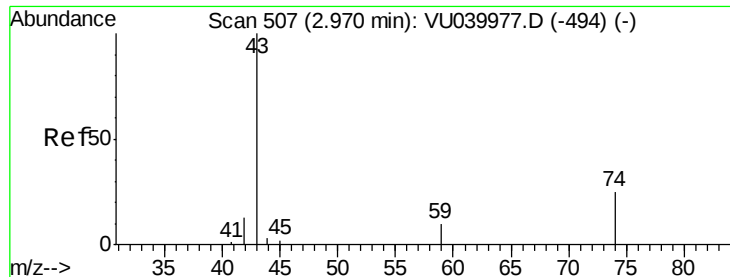
78 9.2 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU039977.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU039977.D (-442) (-)

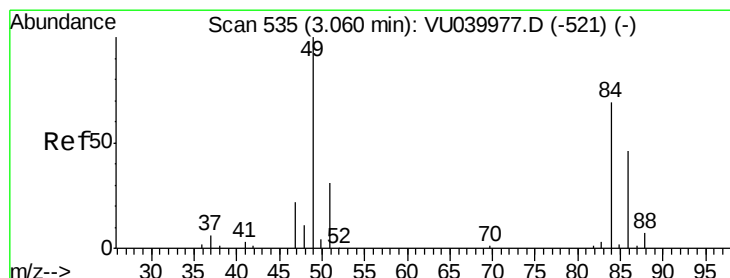
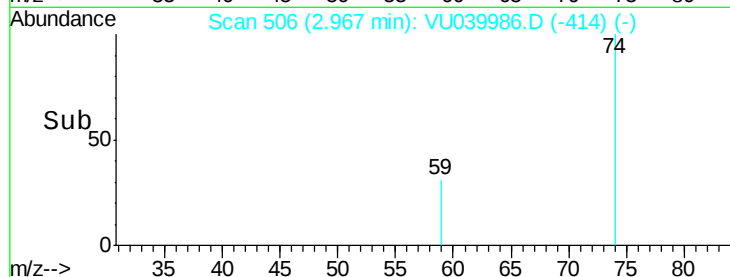
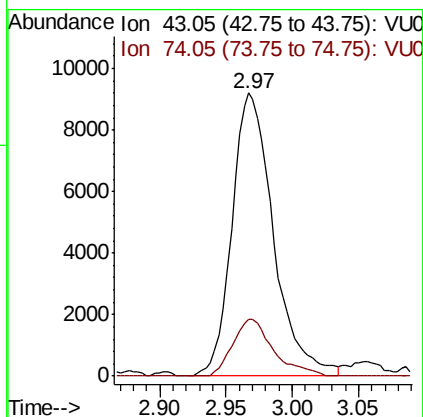
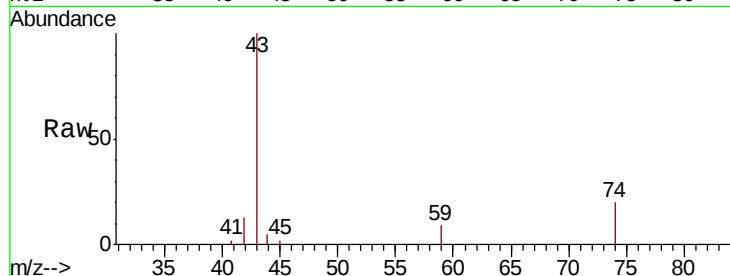




#15
Methvl Acetate
Concen: 4.951 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.00 min
Lab File: VU039986.D
Acq: 27 Aug 2020 11:14

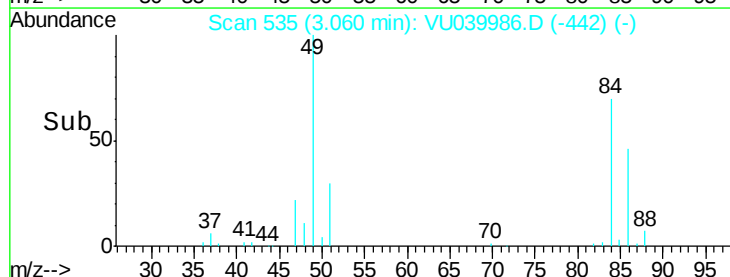
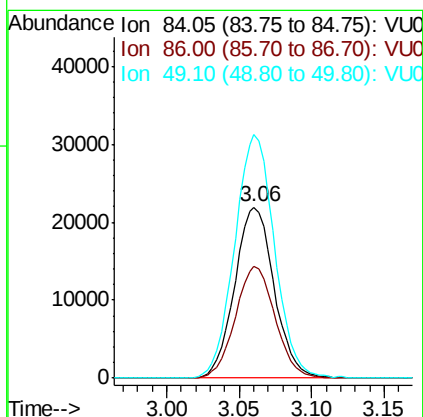
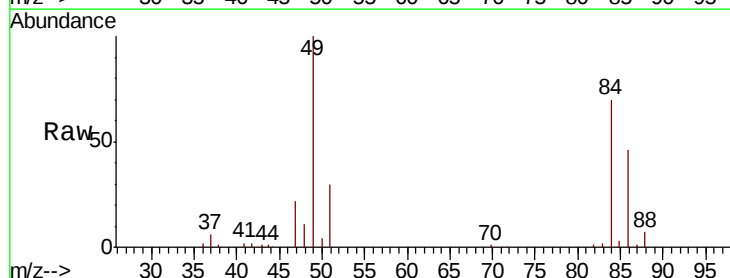
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

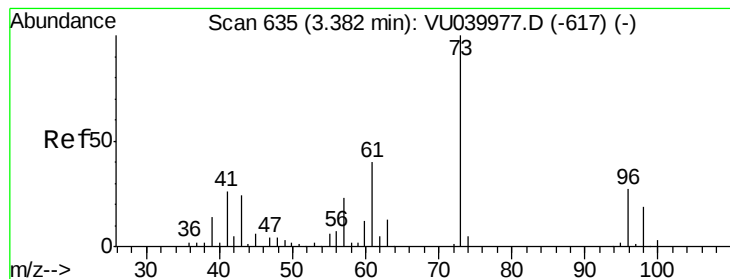
Tot Ion: 43 Resp: 19987
Ion Ratio Lower Upper
43 100
74 19.7 16.3 24.5



#16
Methylene chloride
Concen: 4.177 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU039986.D
Acq: 27 Aug 2020 11:14

Tgt Ion: 84 Resp: 41417
Ion Ratio Lower Upper
84 100
86 65.8 47.2 87.6
49 142.7 99.8 185.4



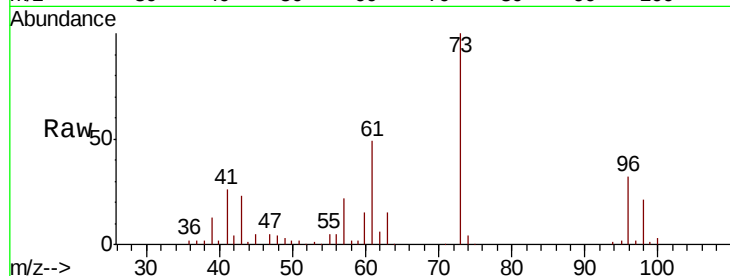


#17

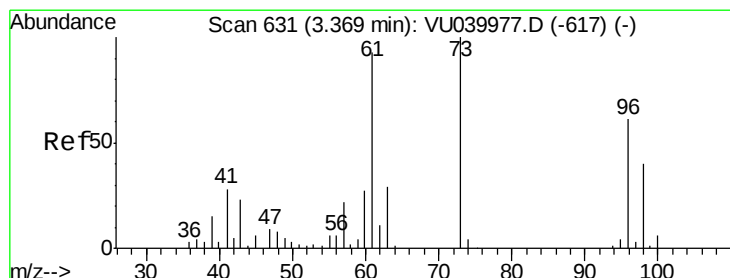
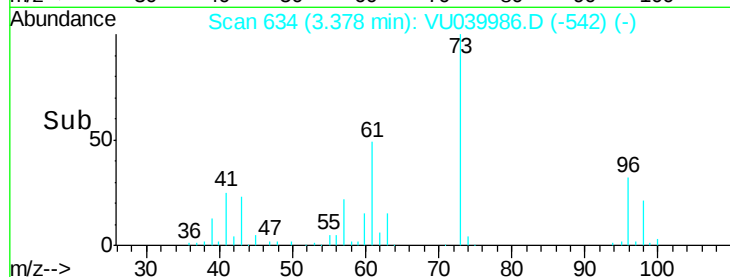
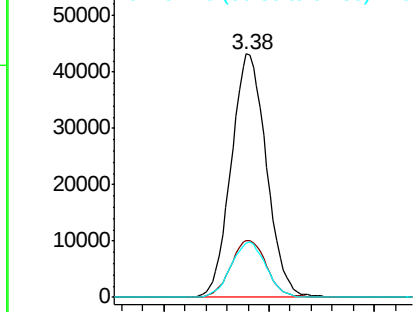
Methvl tert-butvl Ether
 Concen: 5.502 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VU039986.D
 Acq: 27 Aug 2020 11:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tot Ion: 73 Resp: 100037
 Ion Ratio Lower Upper
 73 100
 43 23.7 16.6 24.8
 57 22.7 18.2 27.4



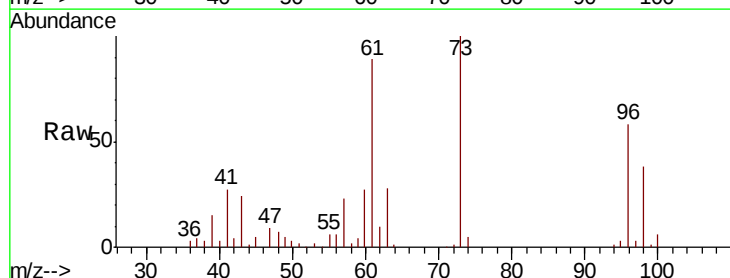
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



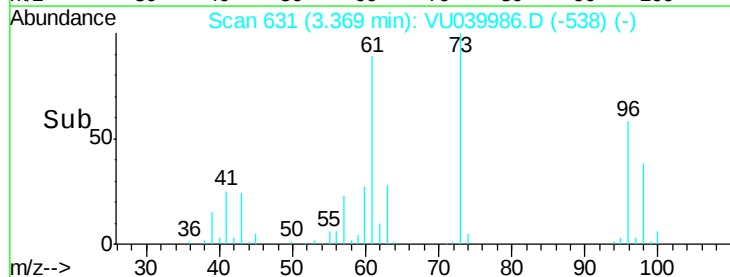
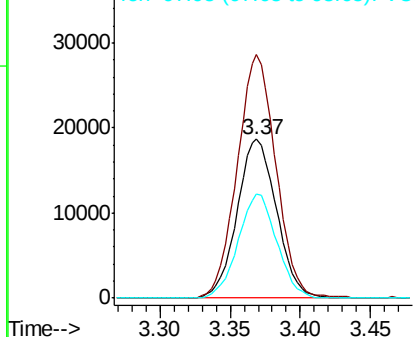
#18

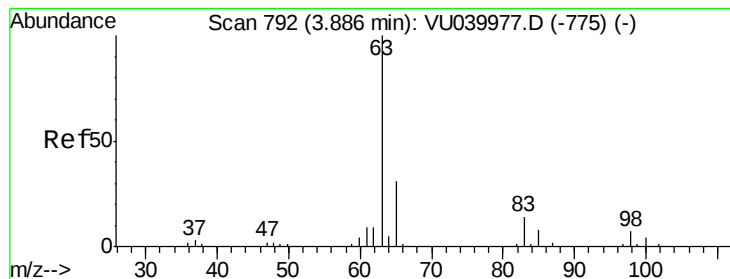
trans-1,2-Dichloroethene
 Concen: 4.893 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU039986.D
 Acq: 27 Aug 2020 11:14

Tgt Ion: 96 Resp: 36638
 Ion Ratio Lower Upper
 96 100
 61 153.1 93.7 173.9
 98 65.3 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: 5.357 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU039986.D

Acq: 27 Aug 2020 11:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

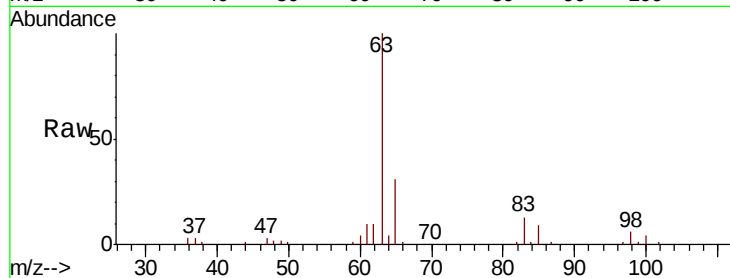
Tot Ion: 63 Resp: 74372

Ion Ratio Lower Upper

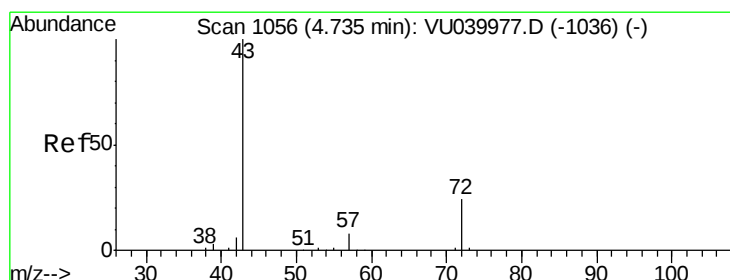
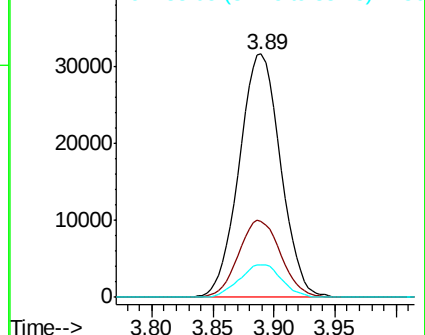
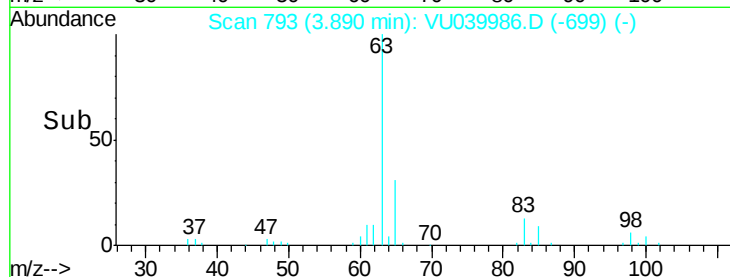
63 100

65 31.2 21.6 40.0

83 13.5 10.3 19.1



Abundance Ion 63.10 (62.80 to 63.80): VU039986.D (-699) (-)



#21

2-Butanone

Concen: 48.798 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VU039986.D

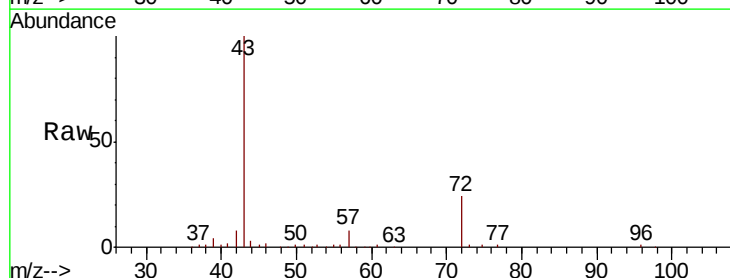
Acq: 27 Aug 2020 11:14

Tgt Ion: 43 Resp: 133332

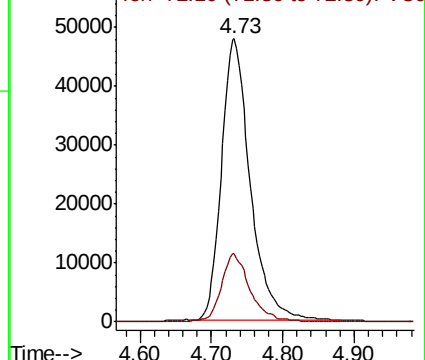
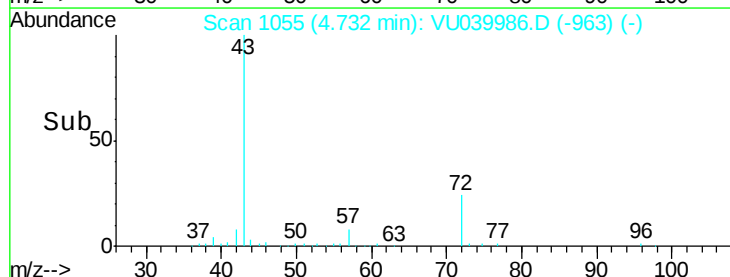
Ion Ratio Lower Upper

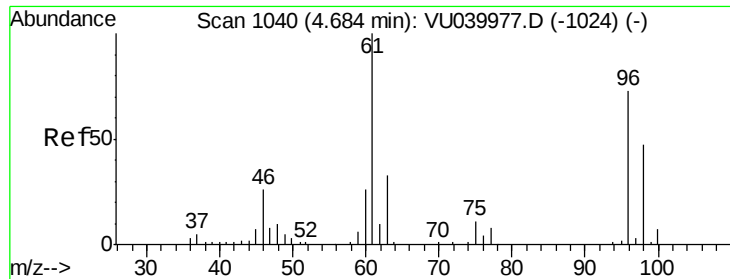
43 100

72 24.1 12.7 38.0



Abundance Ion 43.05 (42.75 to 43.75): VU039986.D (-963) (-)

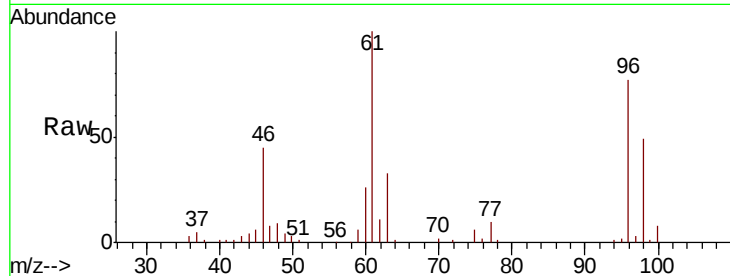




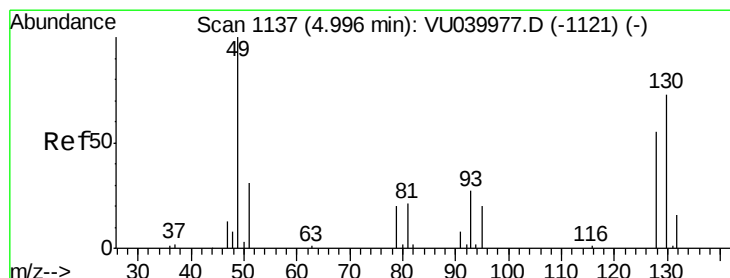
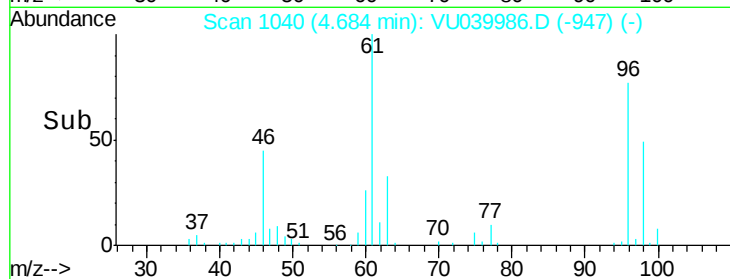
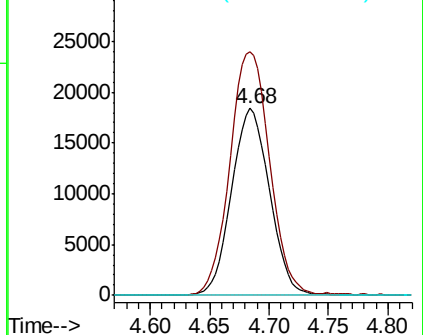
#22
 cis-1,2-Dichloroethene
 Concen: 5.219 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU039986.D
 Acq: 27 Aug 2020 11:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tot Ion: 96 Resp: 40915
 Ion Ratio Lower Upper
 96 100
 61 130.1 90.9 168.9
 68 0.0 0.0 0.0

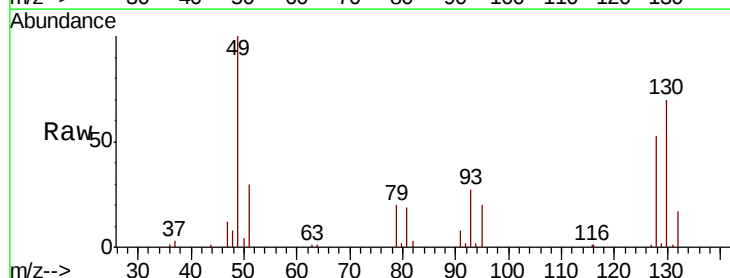


Abundance Ion 96.00 (95.70 to 96.70): VU039986.D (-947) (-)
 Ion 61.05 (60.75 to 61.75): VU039986.D (-947) (-)
 Ion 68.15 (67.85 to 68.85): VU039986.D (-947) (-)

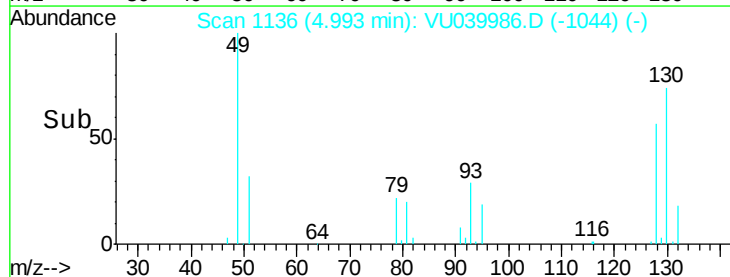
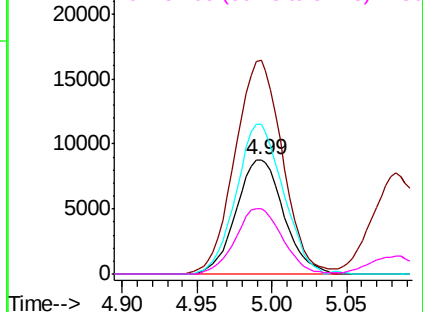


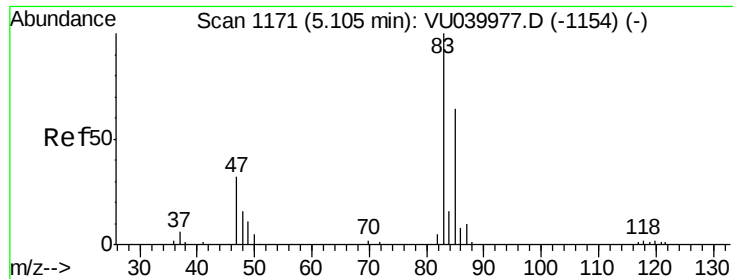
#23
 Bromochloromethane
 Concen: 5.246 ug/L
 RT: 4.99 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VU039986.D
 Acq: 27 Aug 2020 11:14

Tgt Ion: 128 Resp: 19344
 Ion Ratio Lower Upper
 128 100
 49 187.4 121.2 225.2
 130 131.6 90.2 167.6
 51 57.0 47.2 70.8



Abundance Ion 127.90 (127.60 to 128.60): VU039986.D (-1044) (-)
 Ion 49.10 (48.80 to 49.80): VU039986.D (-1044) (-)
 Ion 129.95 (129.65 to 130.65): VU039986.D (-1044) (-)
 Ion 51.05 (50.75 to 51.75): VU039986.D (-1044) (-)

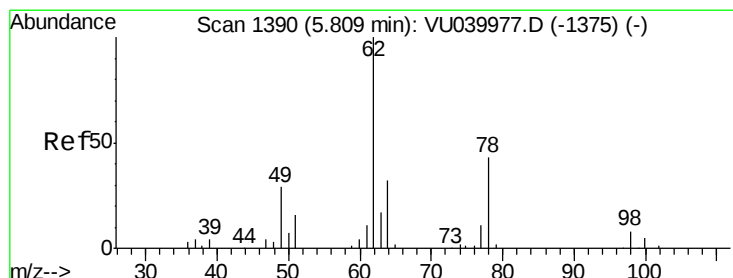
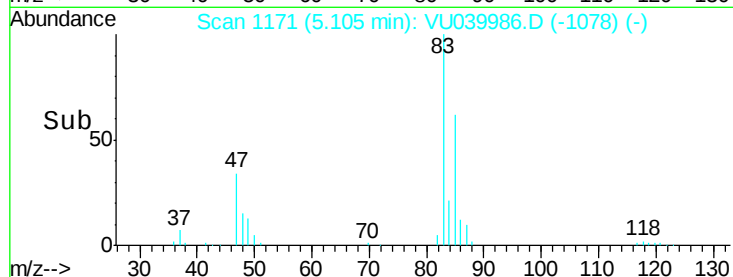
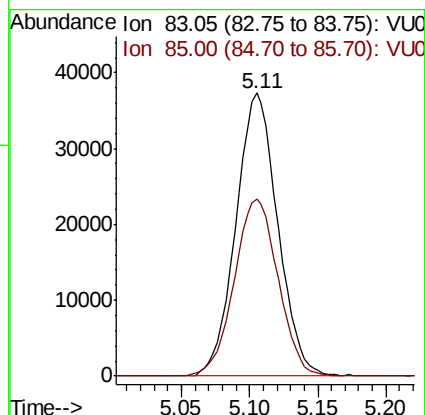
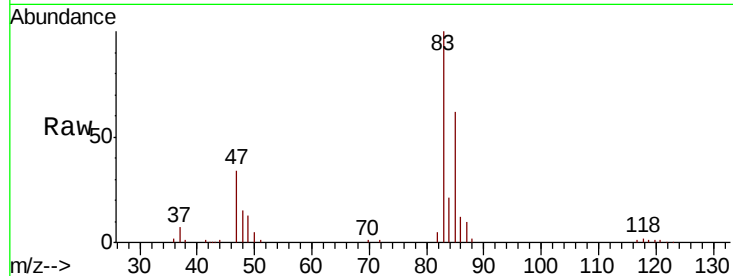




#25
Chloroform
Concen: 5.644 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU039986.D
Acq: 27 Aug 2020 11:14

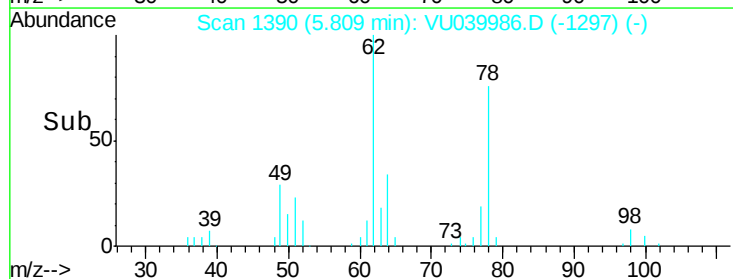
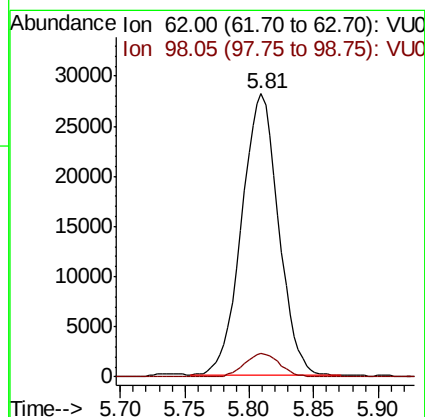
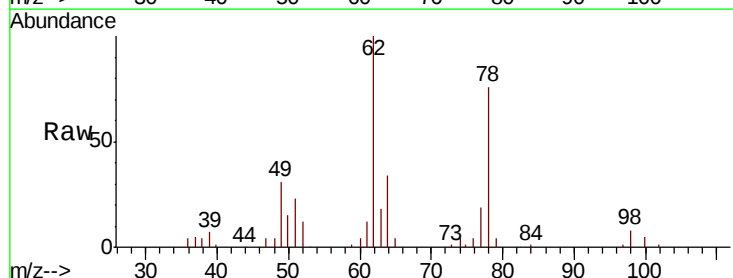
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

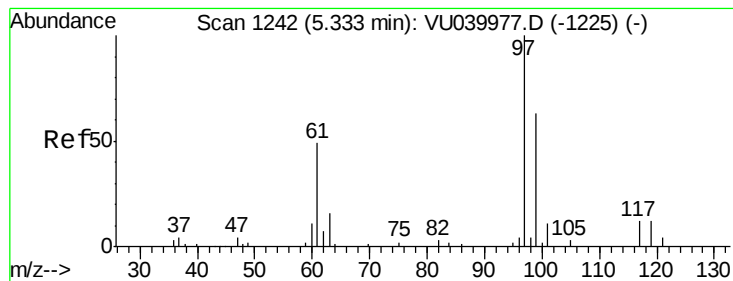
Tot Ion: 83 Resp: 79424
Ion Ratio Lower Upper
83 100
85 62.5 46.4 86.2



#27
1,2-Dichloroethane
Concen: 5.682 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU039986.D
Acq: 27 Aug 2020 11:14

Tgt Ion: 62 Resp: 56109
Ion Ratio Lower Upper
62 100
98 8.3 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 5.915 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VU039986.D

Acq: 27 Aug 2020 11:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

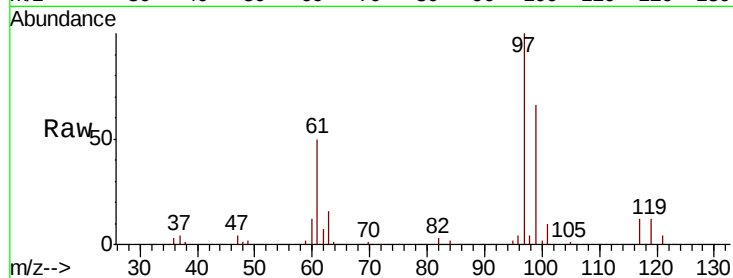
Tot Ion: 97 Resp: 70862

Ion Ratio Lower Upper

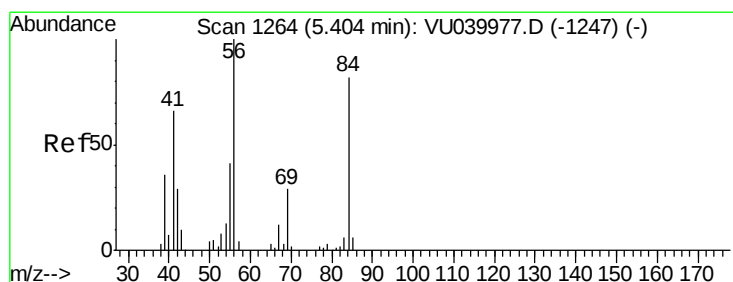
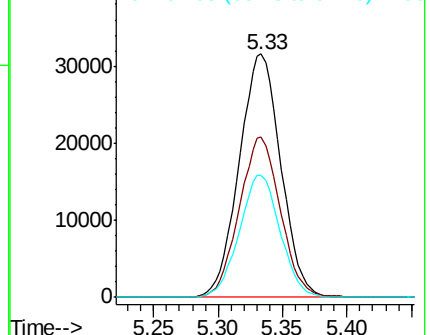
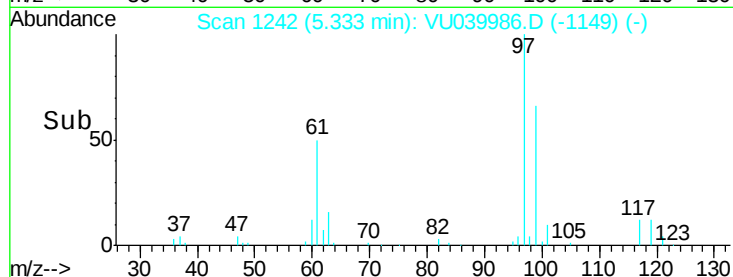
97 100

99 65.1 51.4 77.2

61 49.2 39.1 58.7



Abundance Ion 96.95 (96.65 to 97.65): VU039986.D (-1149) (-)



#30

Cyclohexane

Concen: 5.352 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VU039986.D

Acq: 27 Aug 2020 11:14

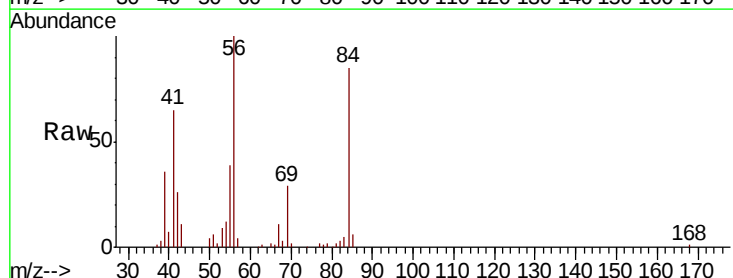
Tgt Ion: 56 Resp: 63468

Ion Ratio Lower Upper

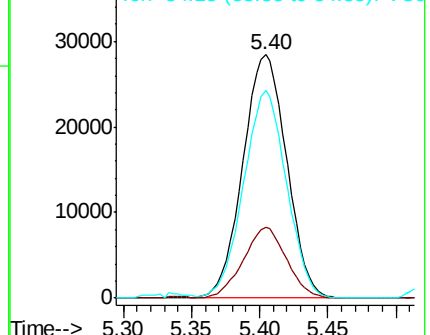
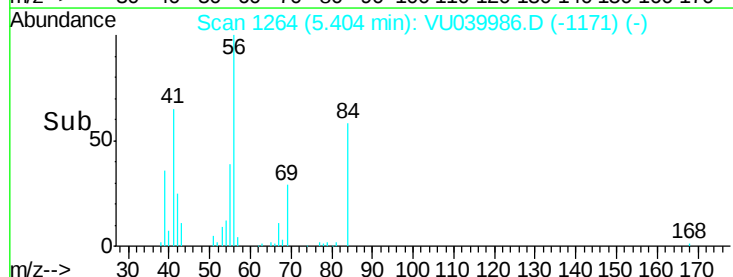
56 100

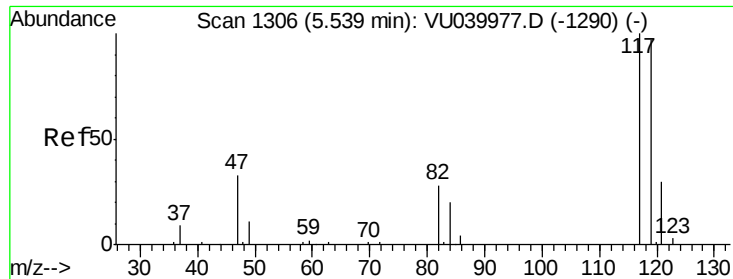
69 28.6 23.1 34.7

84 83.7 69.0 103.6



Abundance Ion 56.10 (55.80 to 56.80): VU039986.D (-1171) (-)





#31

Carbon tetrachloride

Concen: 5.949 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU039986.D

Acq: 27 Aug 2020 11:14

Instrument :

MSVOA_U

ClientSampleId :

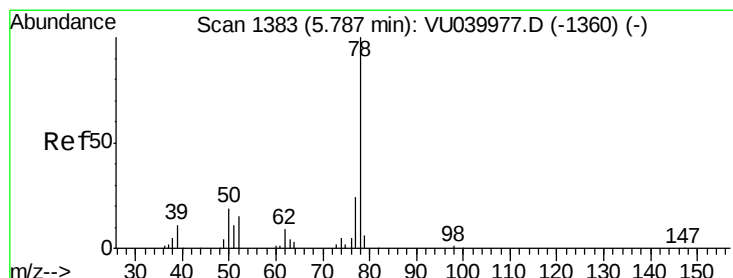
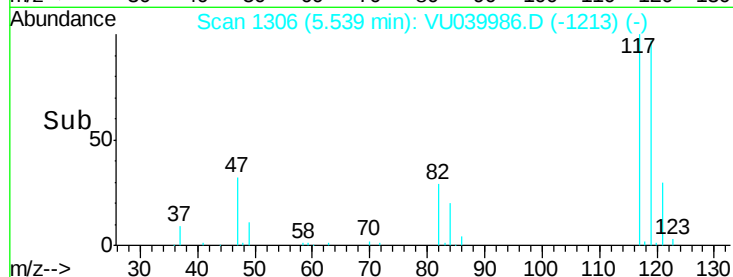
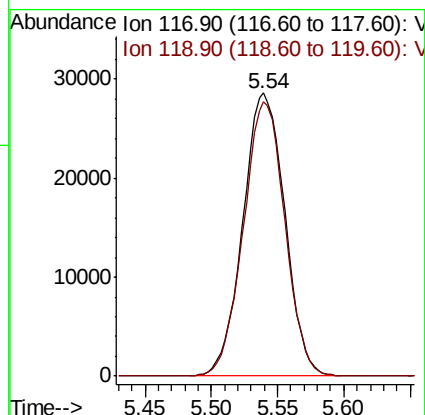
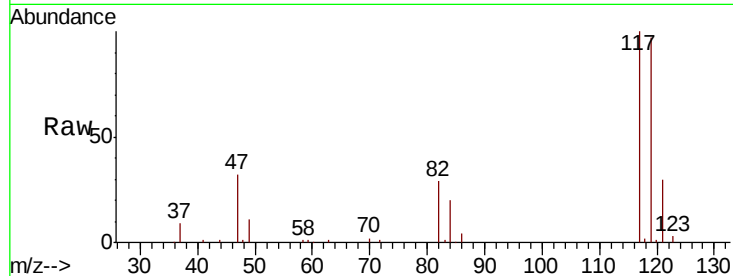
VSTD00513

Tot Ion:117 Resp: 62922

Ion Ratio Lower Upper

117 100

119 96.0 77.6 116.4



#33

Benzene

Concen: 5.234 ug/L

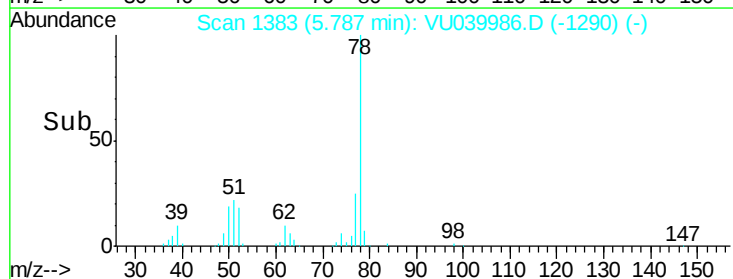
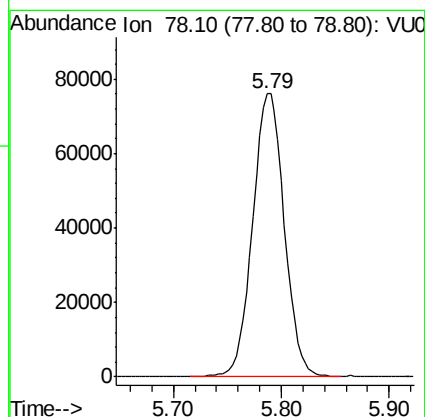
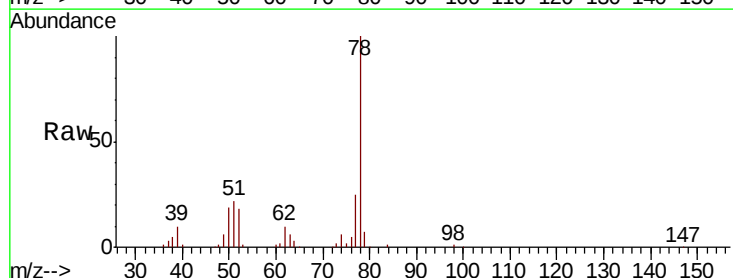
RT: 5.79 min Scan# 1383

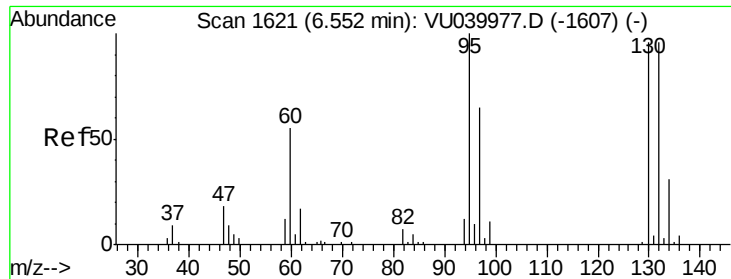
Delta R.T. 0.00 min

Lab File: VU039986.D

Acq: 27 Aug 2020 11:14

Tgt Ion: 78 Resp: 154923

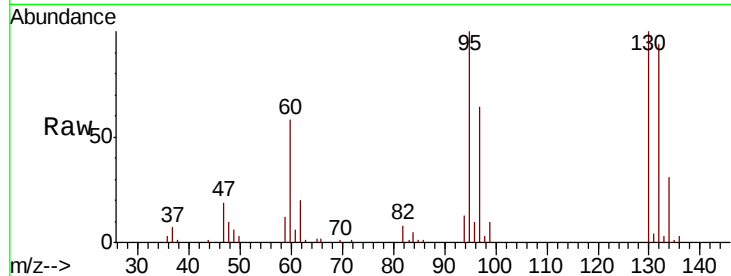




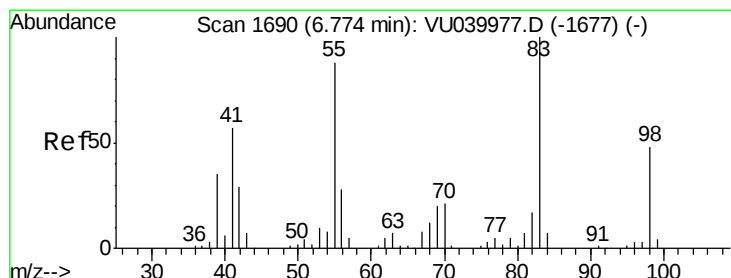
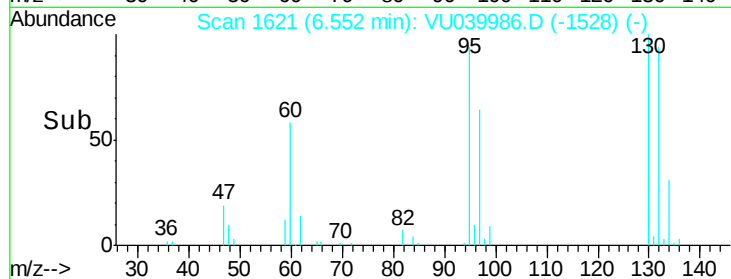
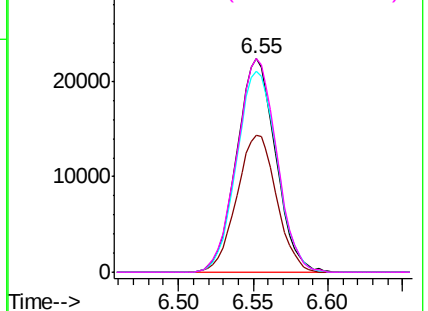
#34
 Trichloroethene
 Concen: 5.296 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU039986.D
 Acq: 27 Aug 2020 11:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tot Ion: 95 Resp: 40676
 Ion Ratio Lower Upper
 95 100
 97 64.3 42.0 78.0
 132 94.2 65.0 120.8
 130 100.1 65.5 121.7

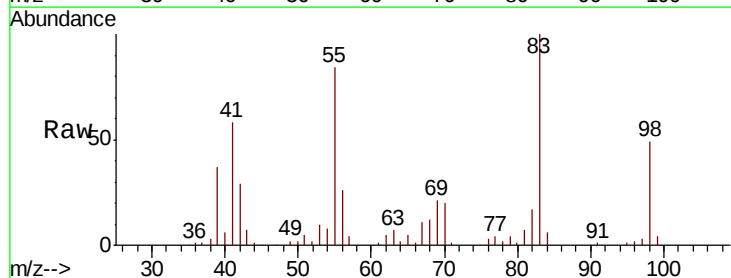


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

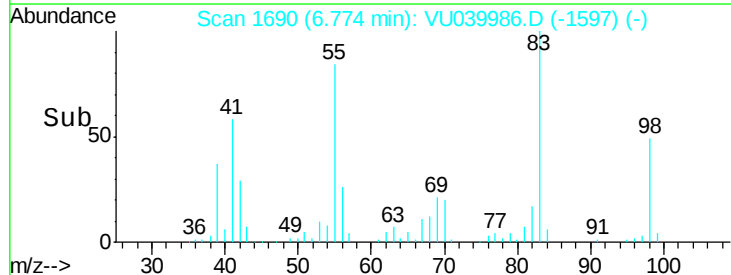
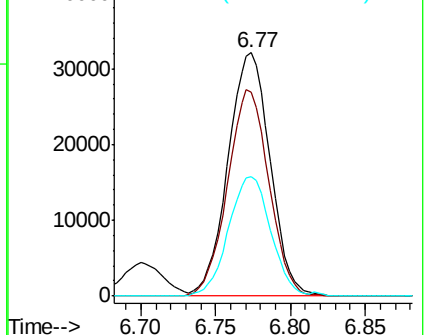


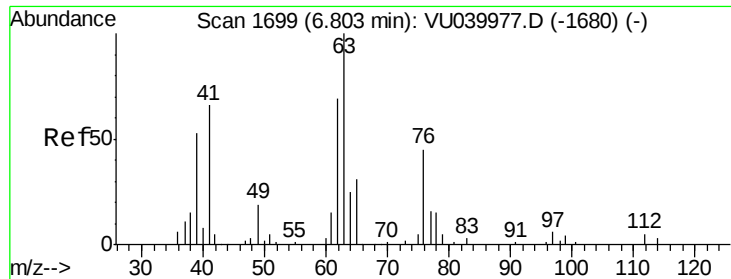
#35
 Methylcyclohexane
 Concen: 5.355 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU039986.D
 Acq: 27 Aug 2020 11:14

Tgt Ion: 83 Resp: 63005
 Ion Ratio Lower Upper
 83 100
 55 83.2 64.1 96.1
 98 49.1 39.4 59.0



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.188 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU039986.D

Acq: 27 Aug 2020 11:14

Instrument :

MSVOA_U

ClientSampleId :

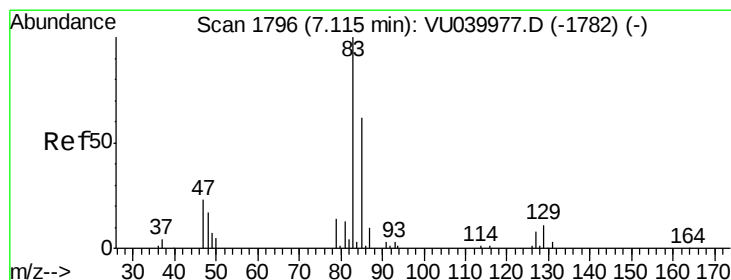
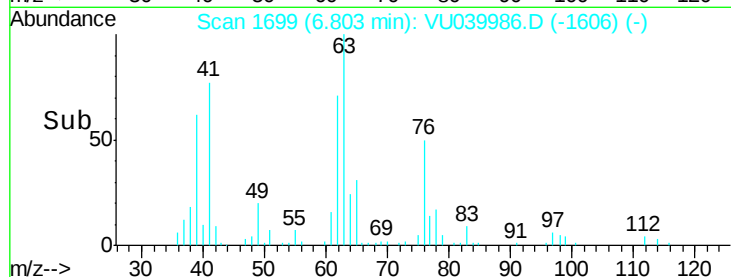
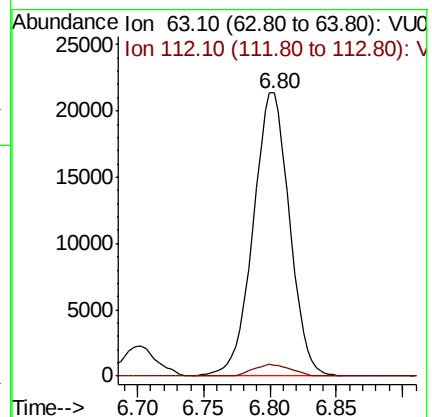
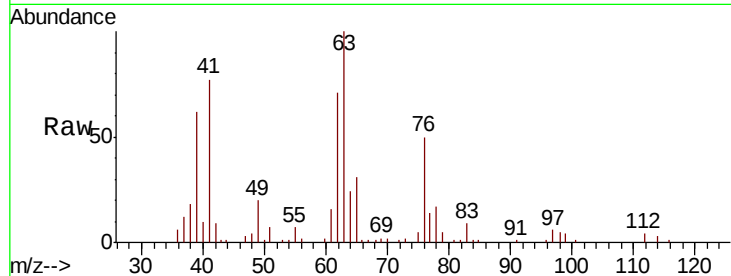
VSTD00513

Tot Ion: 63 Resp: 40801

Ion Ratio Lower Upper

63 100

112 4.2 4.1 6.1



#38

Bromodichloromethane

Concen: 5.826 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU039986.D

Acq: 27 Aug 2020 11:14

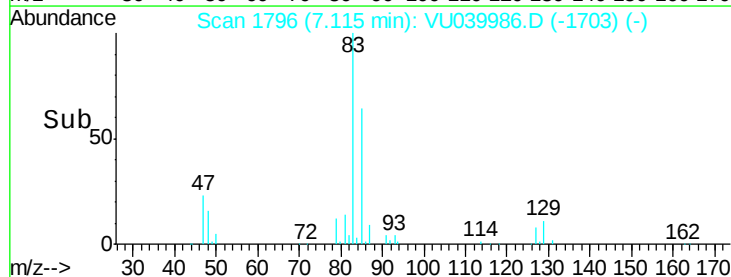
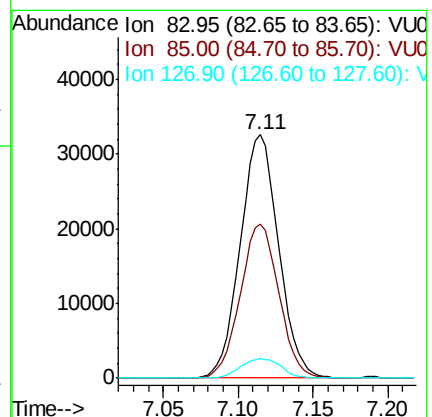
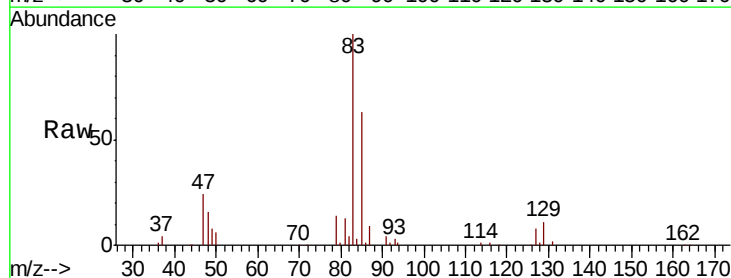
Tgt Ion: 83 Resp: 58229

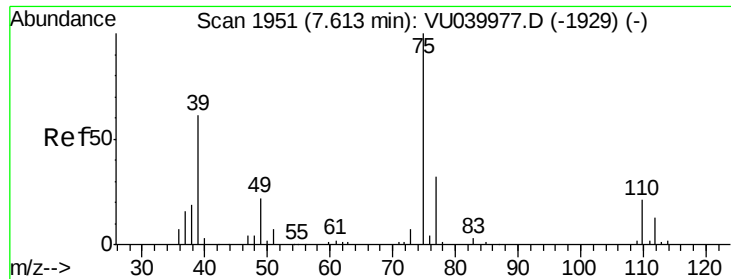
Ion Ratio Lower Upper

83 100

85 63.3 44.3 82.3

127 7.8 6.7 10.1

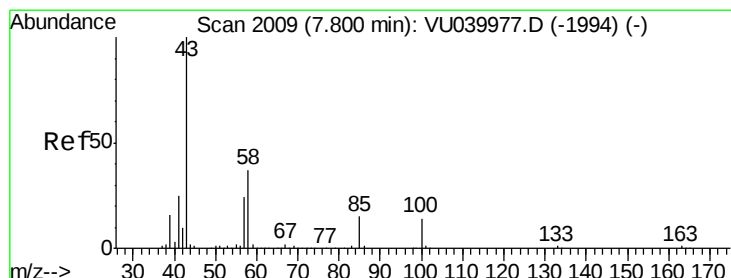
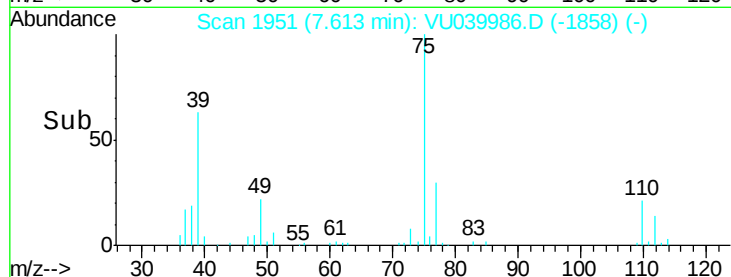
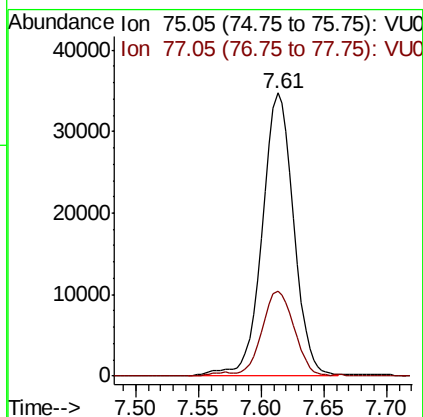
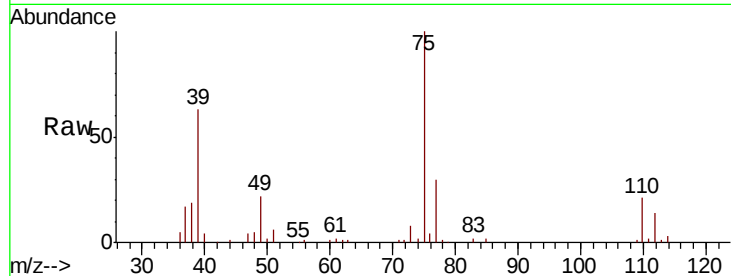




#39
 cis-1,3-Dichloropropene
 Concen: 5.537 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU039986.D
 Acq: 27 Aug 2020 11:14

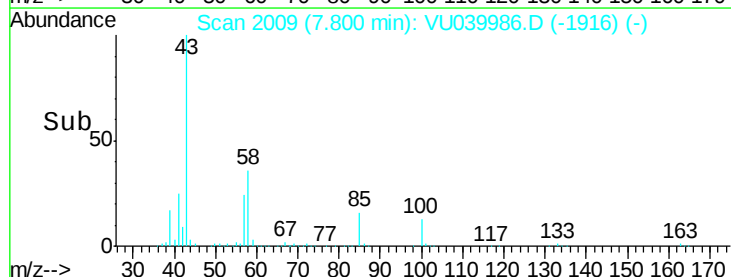
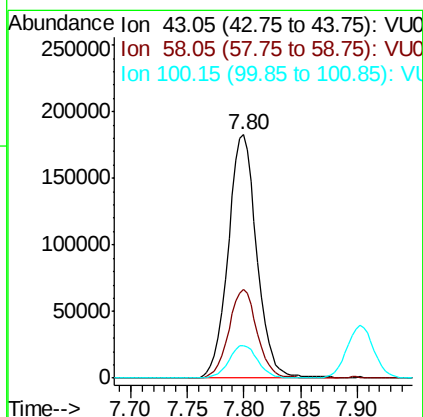
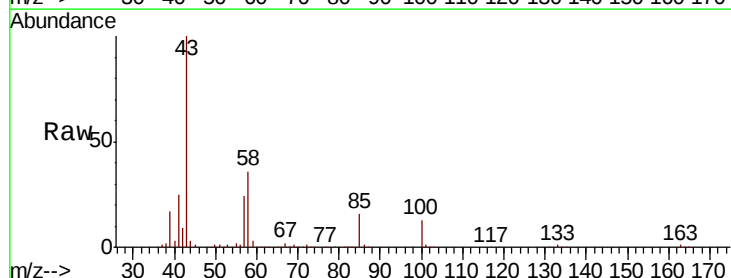
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

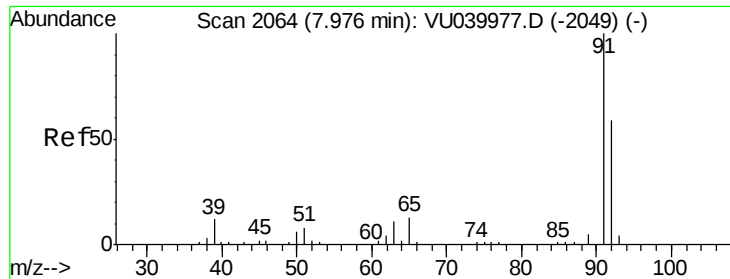
Tot Ion: 75 Resp: 60859
 Ion Ratio Lower Upper
 75 100
 77 30.1 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 51.657 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU039986.D
 Acq: 27 Aug 2020 11:14

Tgt Ion: 43 Resp: 321753
 Ion Ratio Lower Upper
 43 100
 58 36.0 29.7 44.5
 100 13.5 11.2 16.8





#42

Toluene

Concen: 5.464 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU039986.D

Acq: 27 Aug 2020 11:14

Instrument :

MSVOA_U

ClientSampleId :

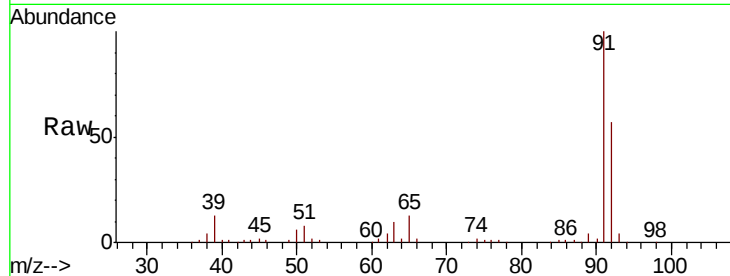
VSTD00513

Tot Ion: 91 Resp: 165389

Ion Ratio Lower Upper

91 100

92 57.0 42.3 78.5



Abundance Ion 91.15 (90.85 to 91.85): VU039977.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU039977.D (-2049) (-)

7.97

100000

80000

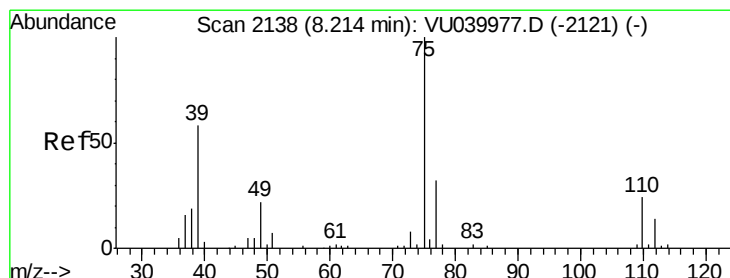
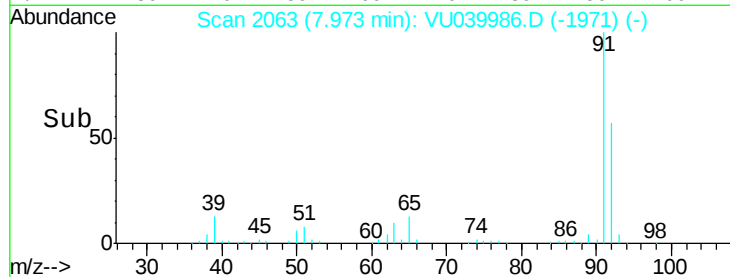
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.495 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU039986.D

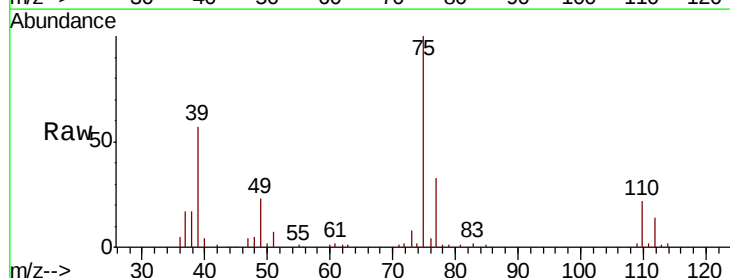
Acq: 27 Aug 2020 11:14

Tgt Ion: 75 Resp: 56754

Ion Ratio Lower Upper

75 100

77 33.0 25.3 46.9



Abundance Ion 75.05 (74.75 to 75.75): VU039977.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU039977.D (-2121) (-)

8.21

40000

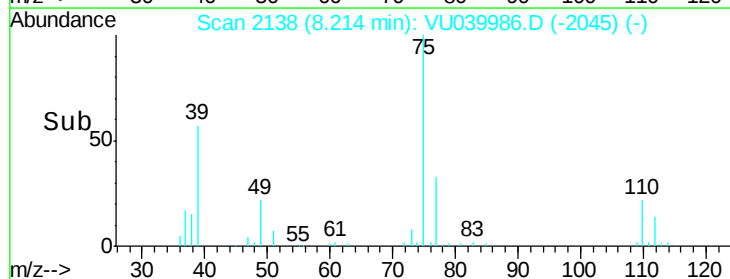
30000

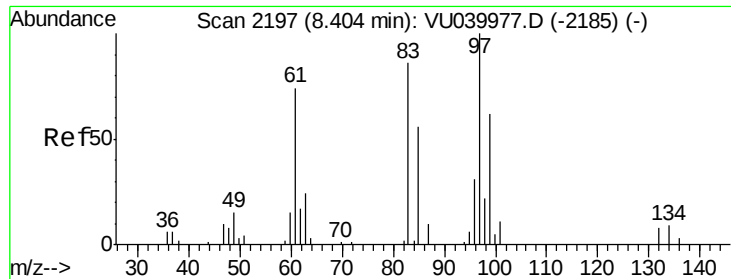
20000

10000

0

Time-->

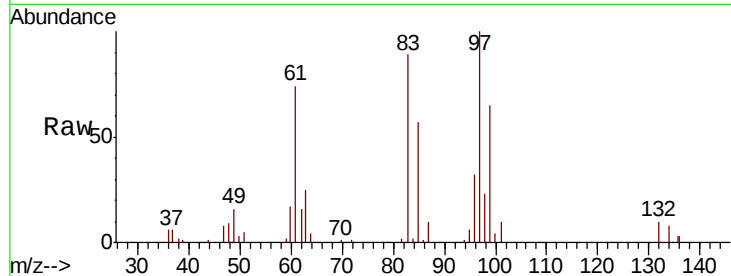




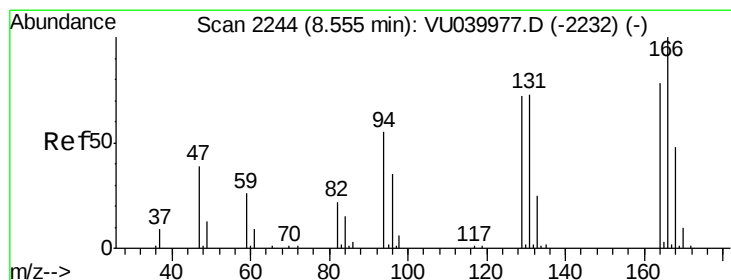
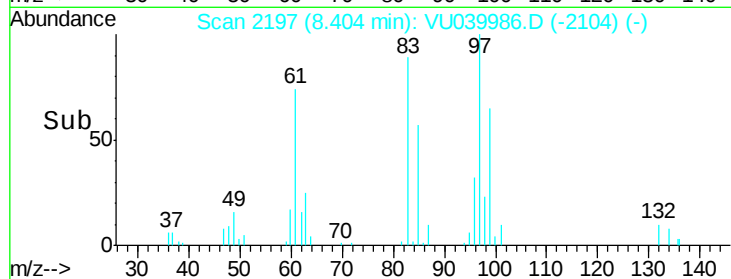
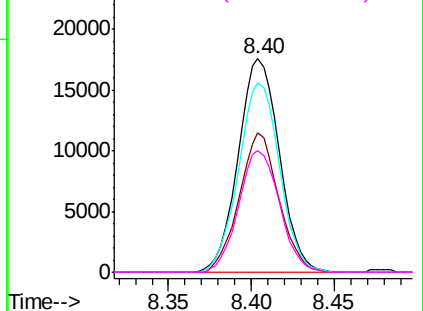
#45
 1,1,2-Trichloroethane
 Concen: 5.081 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU039986.D
 Acq: 27 Aug 2020 11:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tot Ion:	97	Resp:	30368
Ion	Ratio	Lower	Upper
97	100		
99	65.4	42.1	78.3
83	88.8	59.3	110.1
85	57.0	37.2	69.2

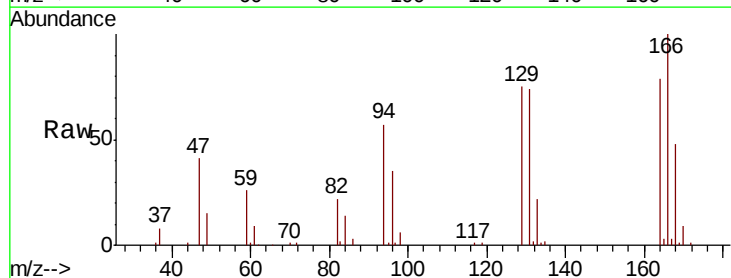


Abundance Ion 96.95 (96.65 to 97.65): VU039977.D (-2185) (-)
 Ion 99.05 (98.75 to 99.75): VU039977.D (-2185) (-)
 Ion 82.95 (82.65 to 83.65): VU039977.D (-2185) (-)
 Ion 85.00 (84.70 to 85.70): VU039977.D (-2185) (-)

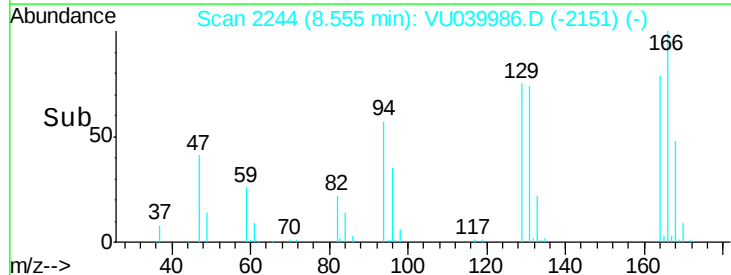
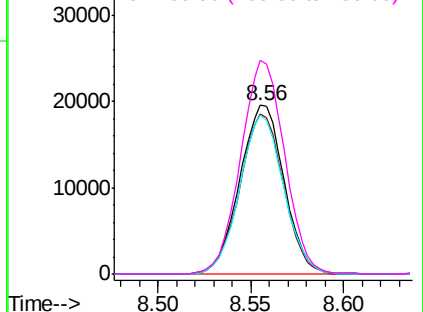


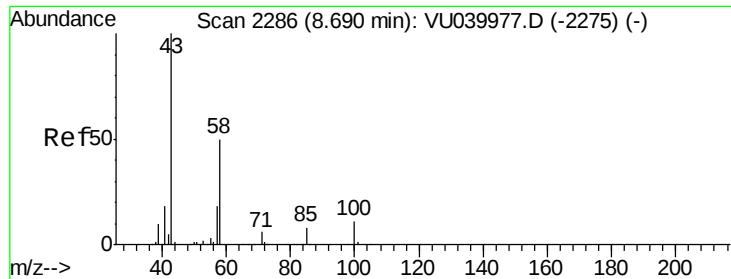
#47
 Tetrachloroethene
 Concen: 5.748 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: VU039986.D
 Acq: 27 Aug 2020 11:14

Tgt Ion:	164	Resp:	32573
Ion	Ratio	Lower	Upper
164	100		
129	95.0	69.1	128.3
131	94.3	66.0	122.6
166	126.6	94.0	174.6



Abundance Ion 163.90 (163.60 to 164.60): VU039977.D (-2232) (-)
 Ion 128.95 (128.65 to 129.65): VU039977.D (-2232) (-)
 Ion 130.95 (130.65 to 131.65): VU039977.D (-2232) (-)
 Ion 165.90 (165.60 to 166.60): VU039977.D (-2232) (-)

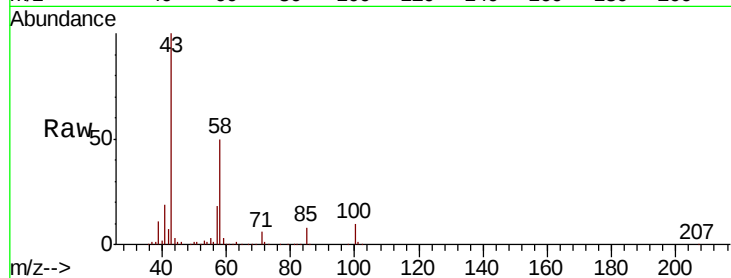




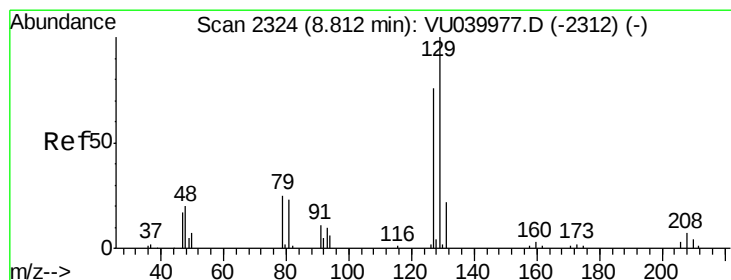
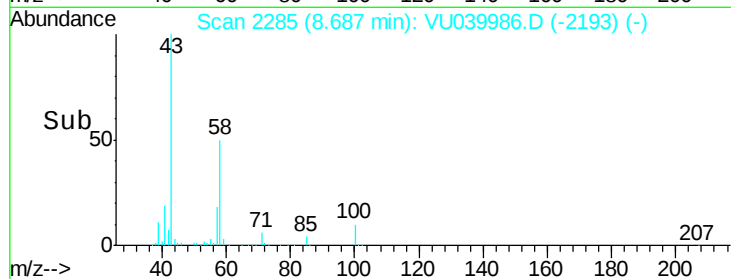
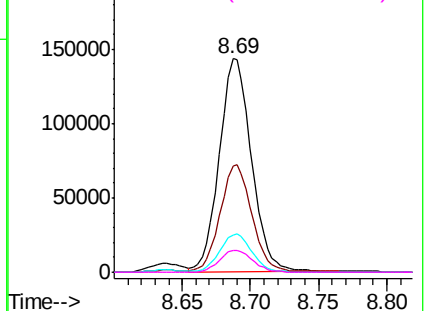
#48
2-Hexanone
Concen: 52.493 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU039986.D
Acq: 27 Aug 2020 11:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

Tot Ion:	43	Resp:	234306
Ion	Ratio	Lower	Upper
43	100		
58	50.3	41.3	61.9
57	18.1	14.1	21.1
100	10.8	9.1	13.7

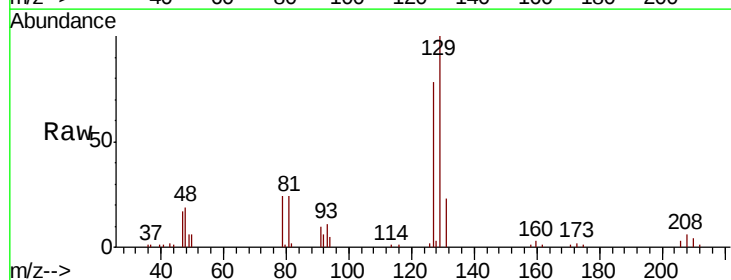


Abundance Ion 43.05 (42.75 to 43.75): VU039977.D (-2275) (-)
Ion 58.05 (57.75 to 58.75): VU039977.D (-2275) (-)
Ion 57.20 (56.90 to 57.90): VU039977.D (-2275) (-)
Ion 100.15 (99.85 to 100.85): VU039977.D (-2275) (-)

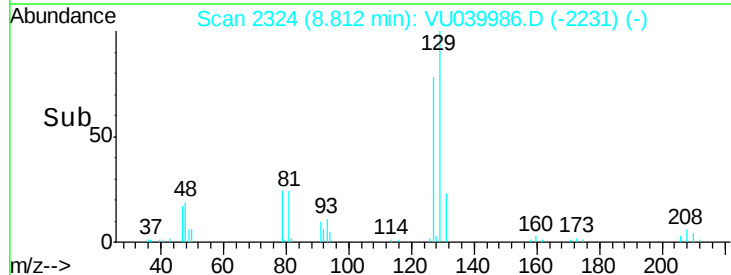
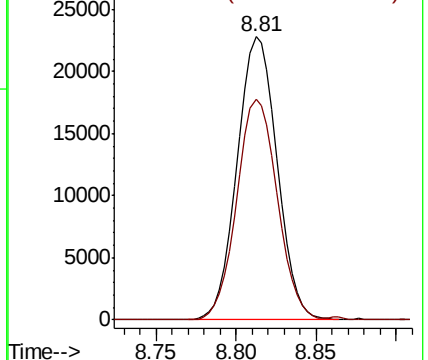


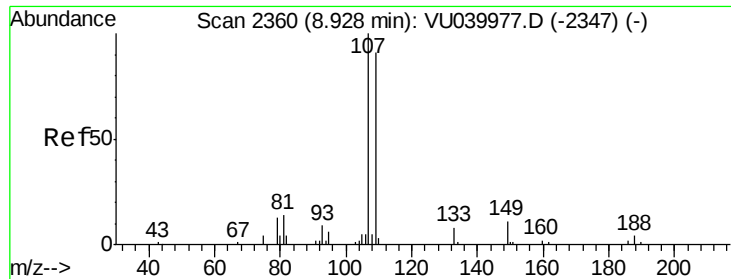
#49
Dibromochloromethane
Concen: 5.442 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU039986.D
Acq: 27 Aug 2020 11:14

Tgt Ion:	129	Resp:	38829
Ion	Ratio	Lower	Upper
129	100		
127	77.8	53.1	98.7



Abundance Ion 128.95 (128.65 to 129.65): VU039977.D (-2312) (-)
Ion 126.90 (126.60 to 127.60): VU039977.D (-2312) (-)

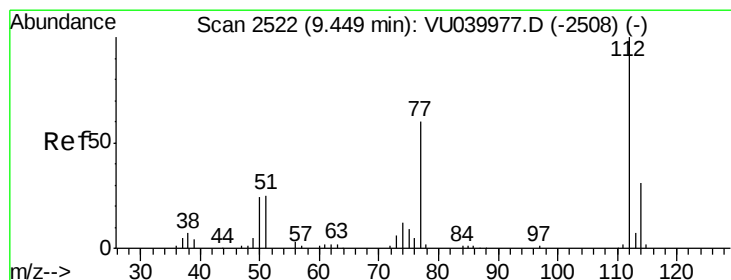
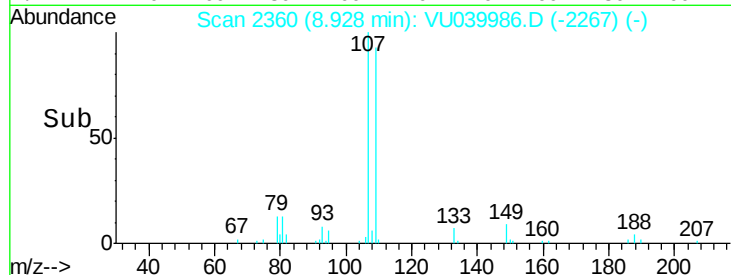
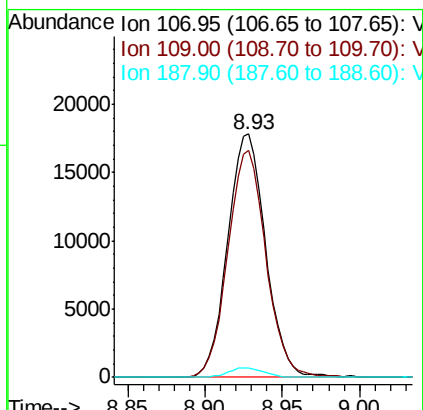
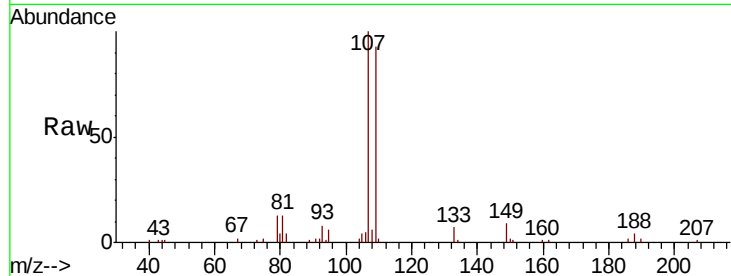




#50
 1,2-Dibromoethane
 Concen: 5.316 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU039986.D
 Acq: 27 Aug 2020 11:14

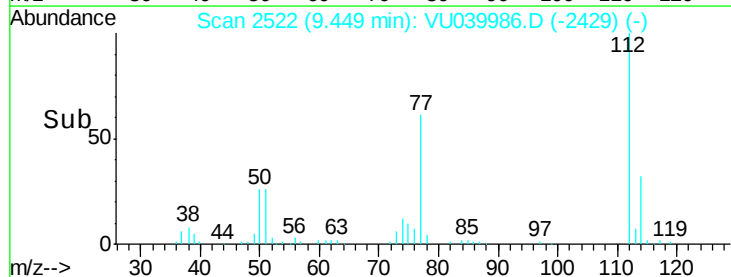
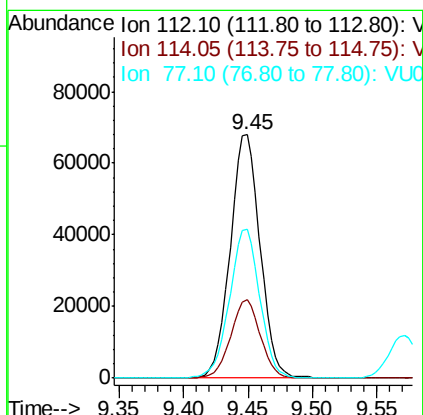
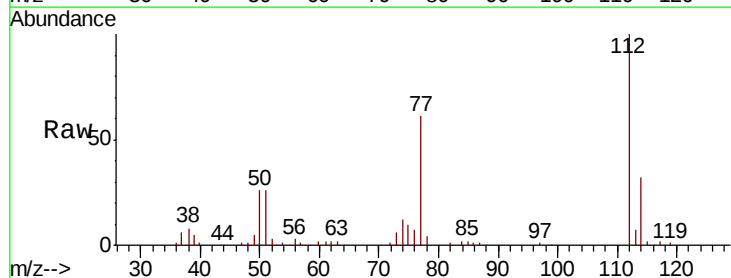
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

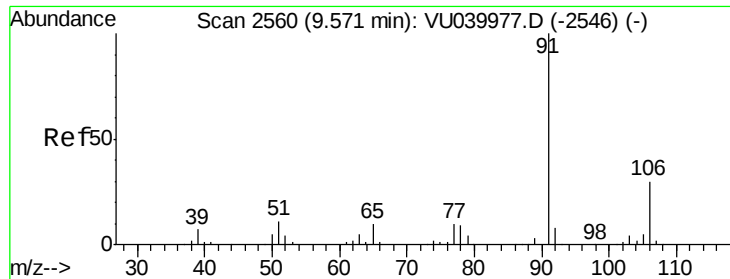
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	68.3	126.9
188	3.9	2.2	3.4#



#51
 Chlorobenzene
 Concen: 5.530 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU039986.D
 Acq: 27 Aug 2020 11:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	21.8	40.4
77	61.1	45.4	68.0





#52

Ethylbenzene

Concen: 5.679 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU039986.D

Acq: 27 Aug 2020 11:14

Instrument :

MSVOA_U

ClientSampleId :

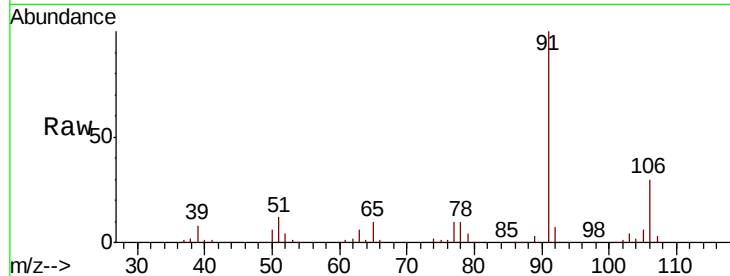
VSTD00513

Tot Ion: 91 Resp: 186962

Ion Ratio Lower Upper

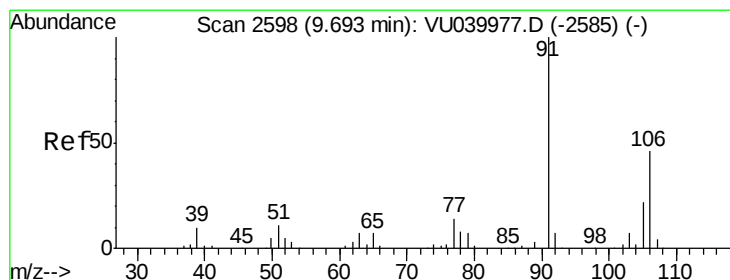
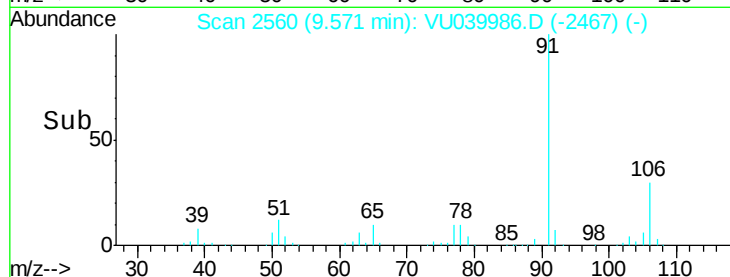
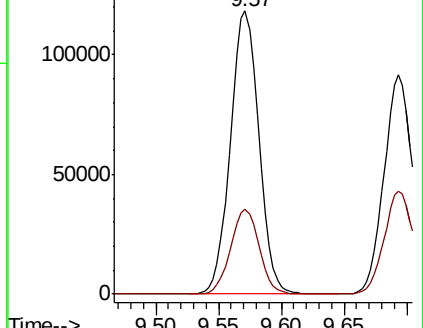
91 100

106 30.1 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU039977.D (-2546) (-)

Ion 106.15 (105.85 to 106.85): VU039977.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.565 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU039986.D

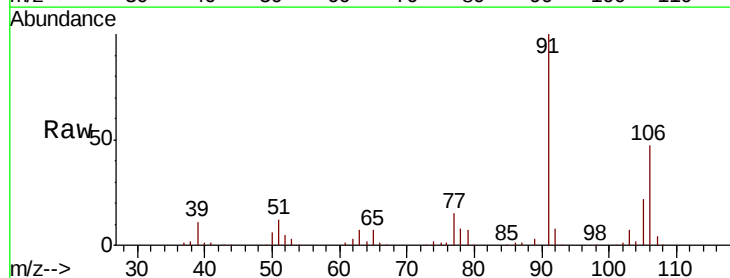
Acq: 27 Aug 2020 11:14

Tgt Ion: 106 Resp: 70328

Ion Ratio Lower Upper

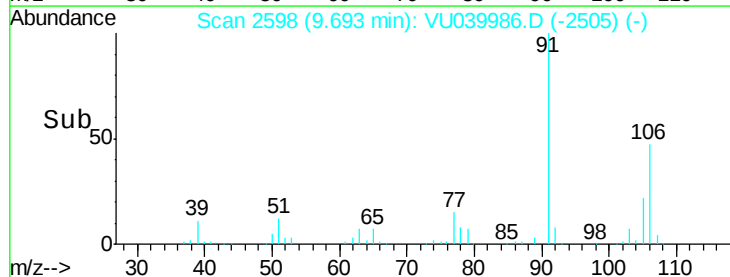
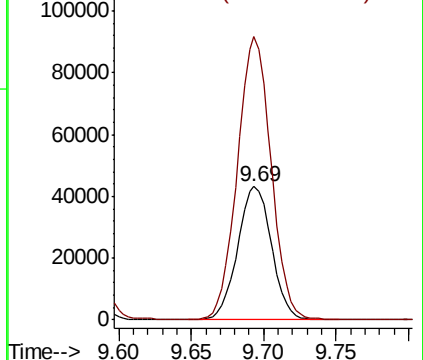
106 100

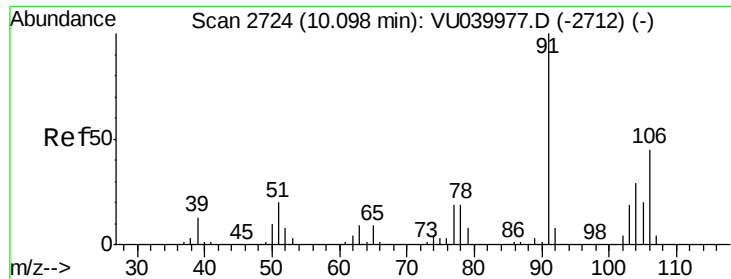
91 212.6 139.8 259.6



Abundance Ion 106.15 (105.85 to 106.85): VU039977.D (-2585) (-)

Ion 91.15 (90.85 to 91.85): VU039977.D (-2585) (-)

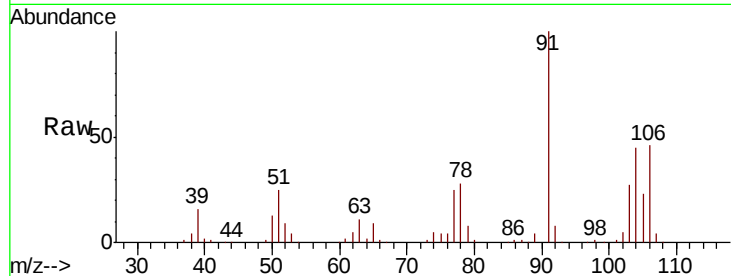




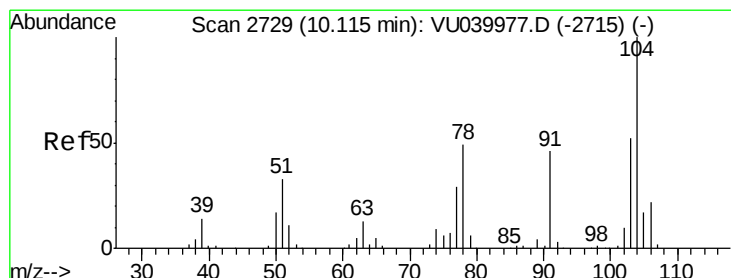
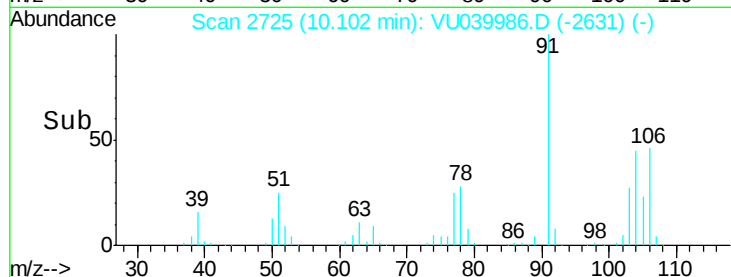
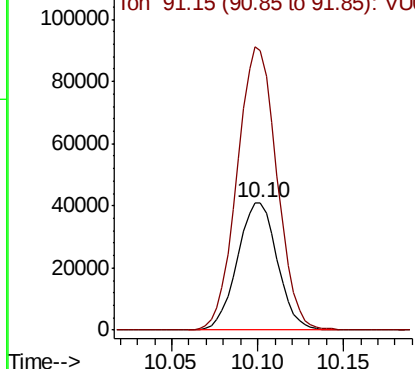
#54
o-Xylene
Concen: 5.551 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039986.D
Acq: 27 Aug 2020 11:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

Tot Ion:106 Resp: 66310
Ion Ratio Lower Upper
106 100
91 219.7 144.6 268.6

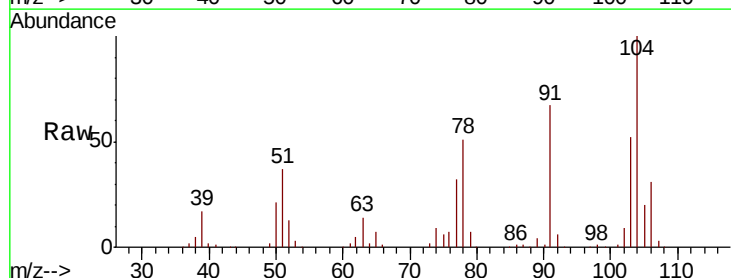


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

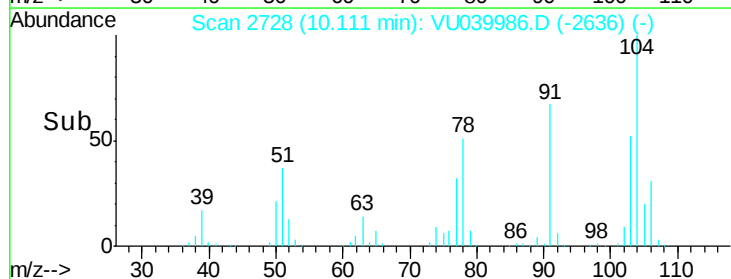
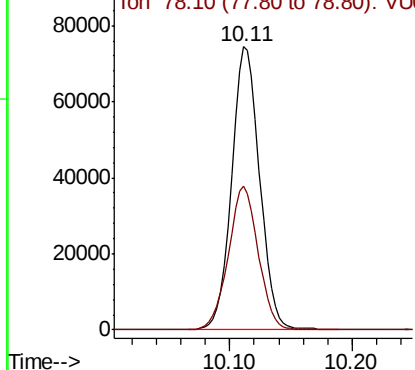


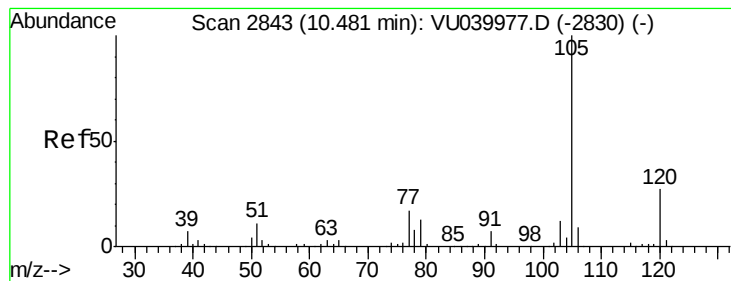
#55
Styrene
Concen: 5.736 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU039986.D
Acq: 27 Aug 2020 11:14

Tgt Ion:104 Resp: 118784
Ion Ratio Lower Upper
104 100
78 50.9 32.3 59.9



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





#56

Isopropylbenzene

Concen: 5.729 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU039986.D

Acq: 27 Aug 2020 11:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

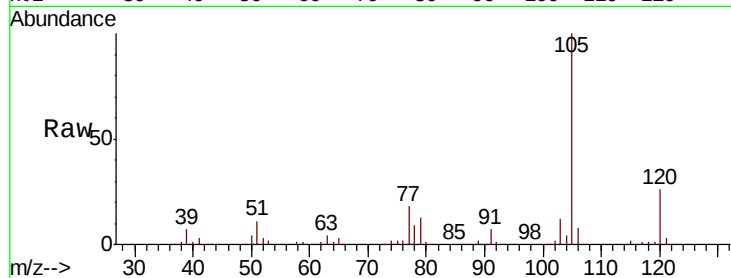
Tot Ion:105 Resp: 183447

Ion Ratio Lower Upper

105 100

120 26.2 21.5 32.3

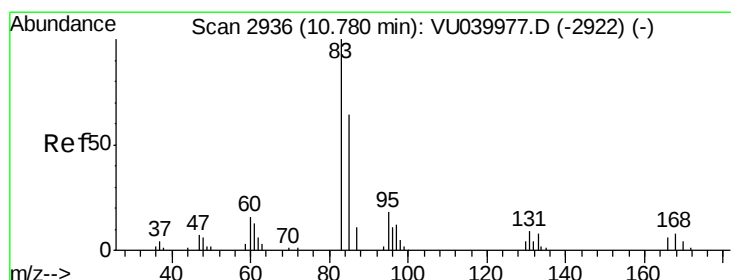
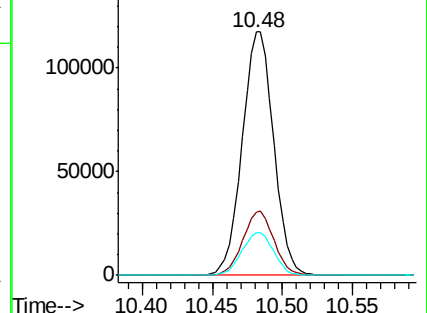
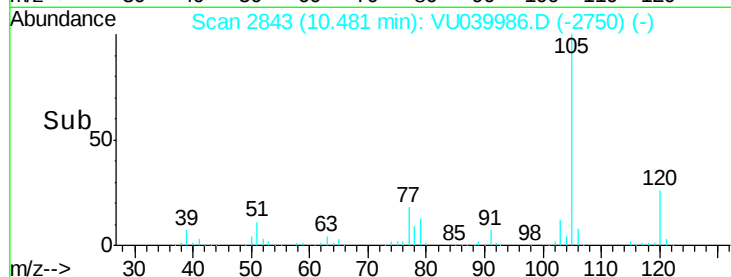
77 17.8 13.0 19.6



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: 4.986 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU039986.D

Acq: 27 Aug 2020 11:14

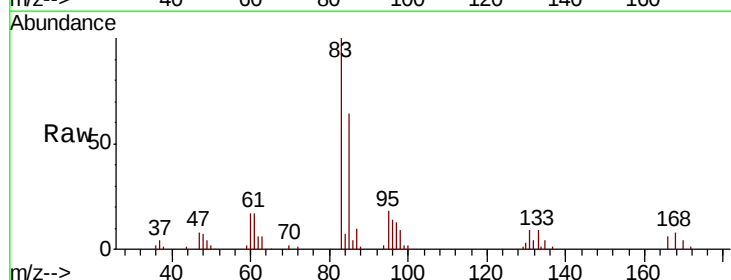
Tgt Ion: 83 Resp: 38476

Ion Ratio Lower Upper

83 100

85 64.4 42.8 79.6

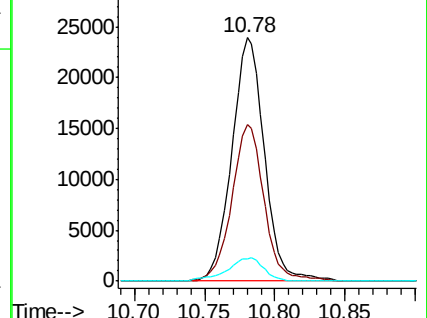
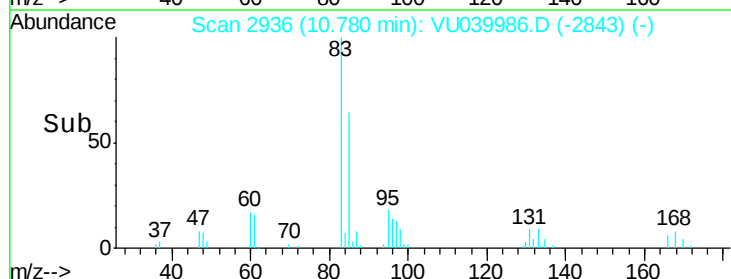
131 9.3 7.4 11.2

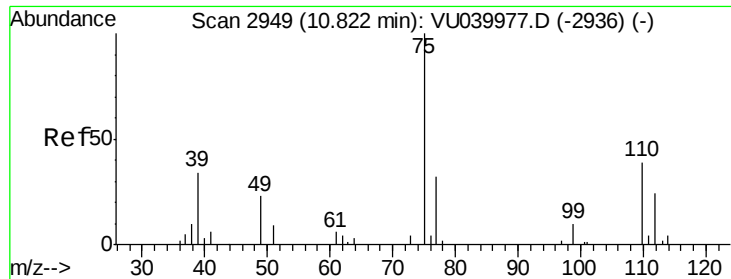


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.143 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU039986.D

Acq: 27 Aug 2020 11:14

Instrument :

MSVOA_U

ClientSampleId :

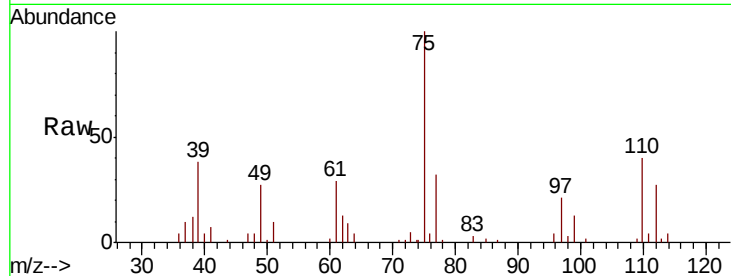
VSTD00513

Tot Ion: 75 Resp: 28981

Ion Ratio Lower Upper

75 100

77 32.5 27.4 41.2

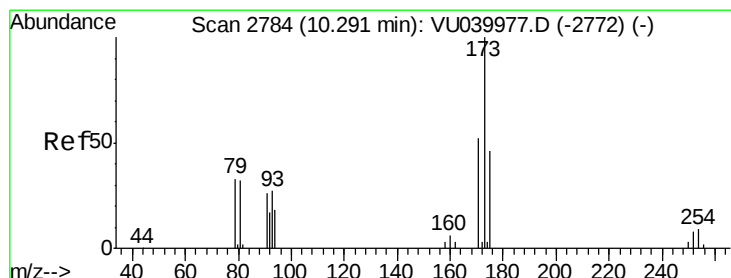
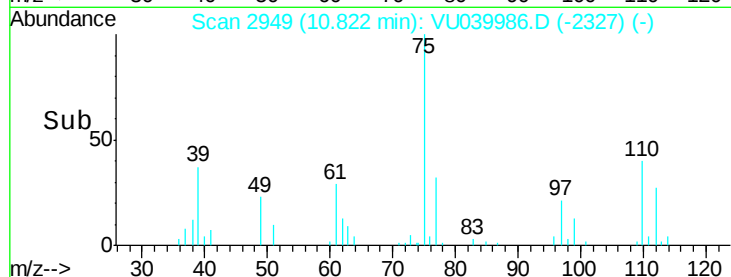


Abundance Ion 75.00 (74.70 to 75.70): VU039977.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU039977.D (-2936) (-)

10.82

Time-->



#61

Bromoform

Concen: 6.106 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU039986.D

Acq: 27 Aug 2020 11:14

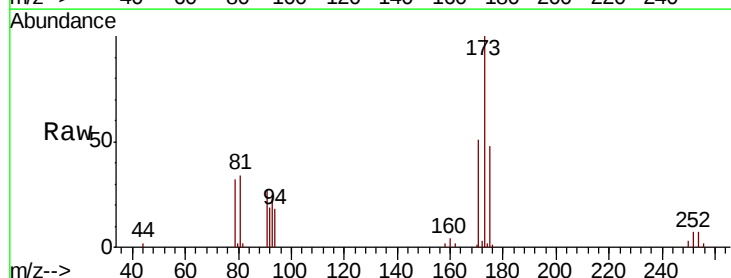
Tgt Ion:173 Resp: 23236

Ion Ratio Lower Upper

173 100

175 48.2 37.6 56.4

254 7.3 5.8 8.8



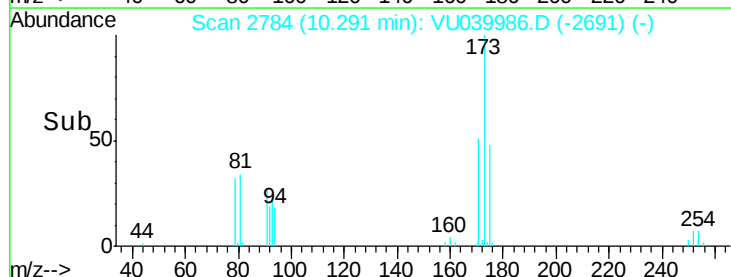
Abundance Ion 172.90 (172.60 to 173.60): VU039977.D (-2772) (-)

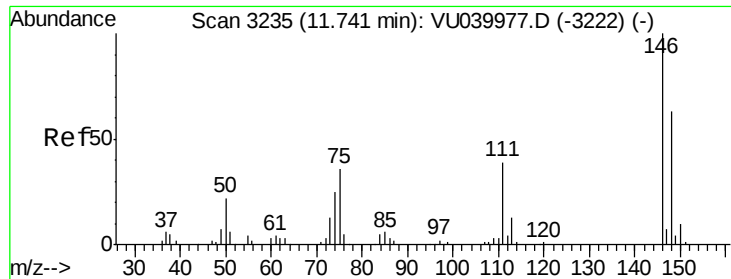
Ion 174.90 (174.60 to 175.60): VU039977.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU039977.D (-2772) (-)

10.29

Time-->





#62

1,3-Dichlorobenzene

Concen: 5.348 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU039986.D

Acq: 27 Aug 2020 11:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

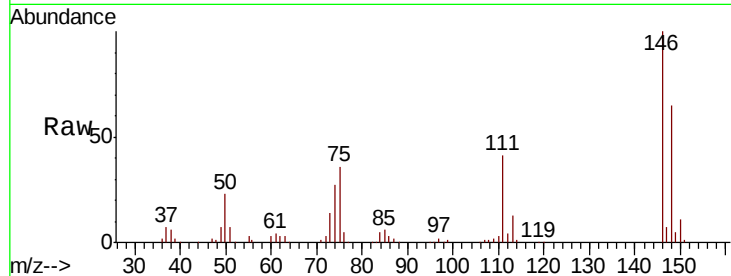
Tot Ion:146 Resp: 85556

Ion Ratio Lower Upper

146 100

111 40.8 27.6 51.4

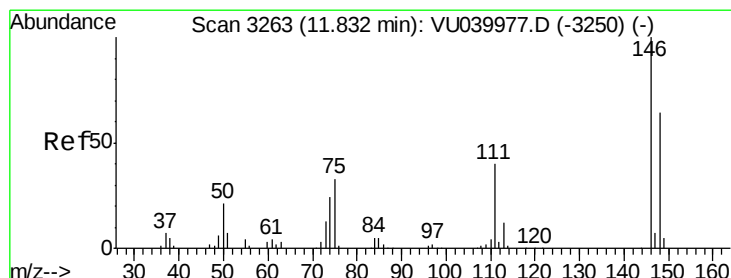
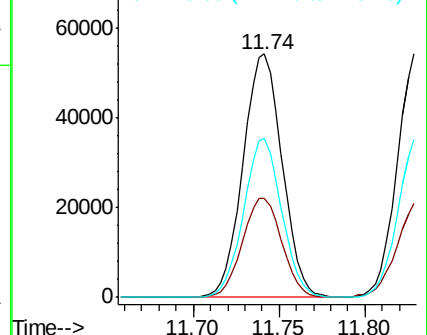
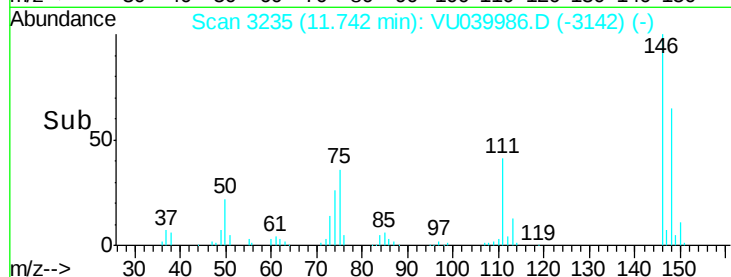
148 65.1 43.8 81.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.267 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU039986.D

Acq: 27 Aug 2020 11:14

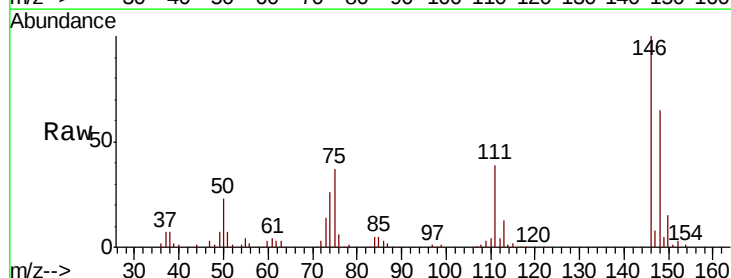
Tgt Ion:146 Resp: 85794

Ion Ratio Lower Upper

146 100

111 38.6 26.5 49.1

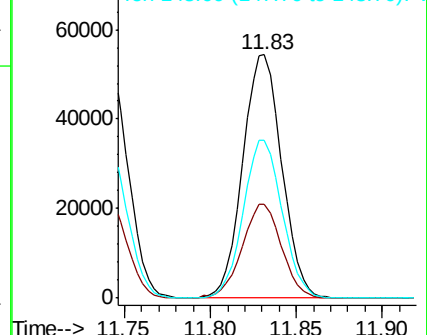
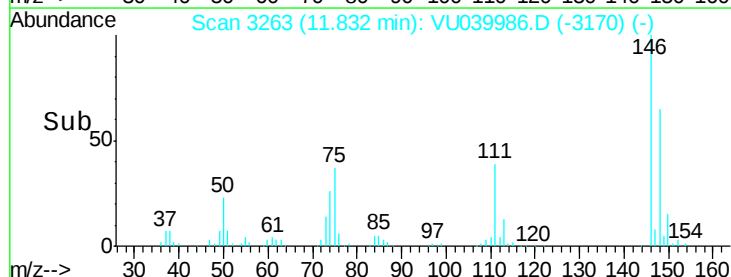
148 64.9 42.8 79.4

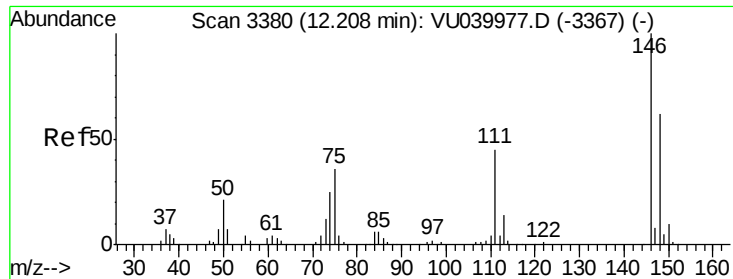


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.296 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU039986.D

Acq: 27 Aug 2020 11:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

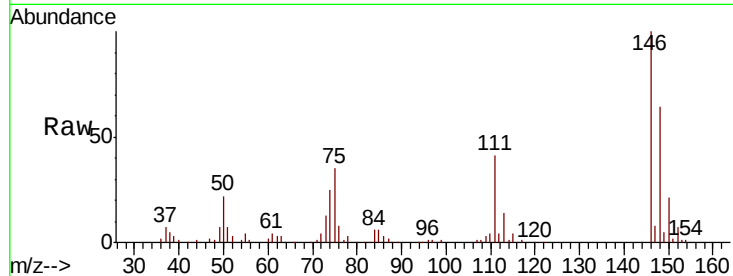
Tot Ion:146 Resp: 81754

Ion Ratio Lower Upper

146 100

111 41.2 33.4 50.0

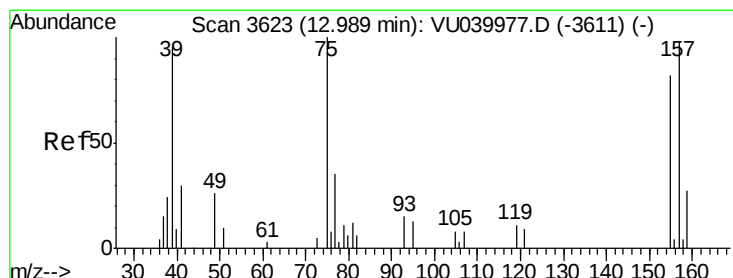
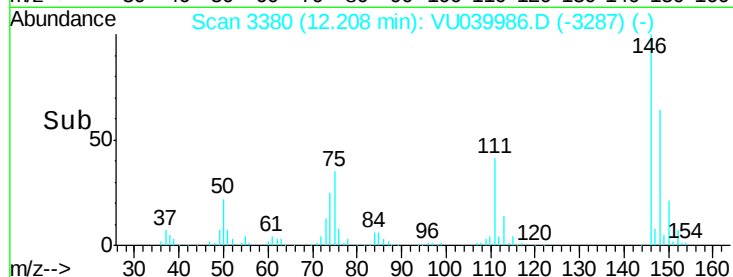
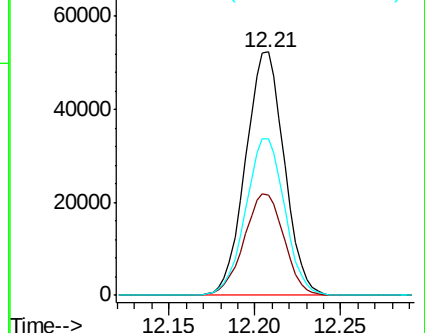
148 64.3 51.4 77.0



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: 5.635 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU039986.D

Acq: 27 Aug 2020 11:14

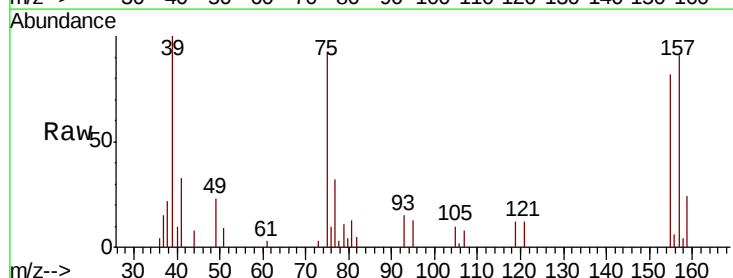
Tgt Ion: 75 Resp: 7114

Ion Ratio Lower Upper

75 100

155 88.7 54.6 82.0#

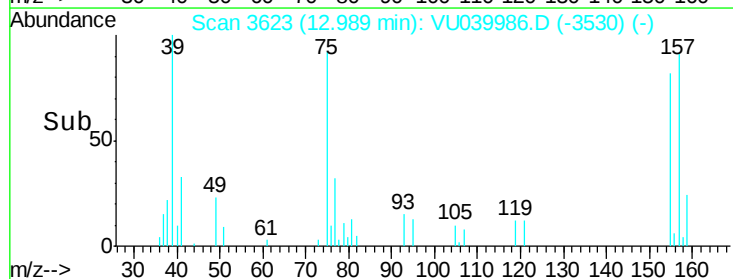
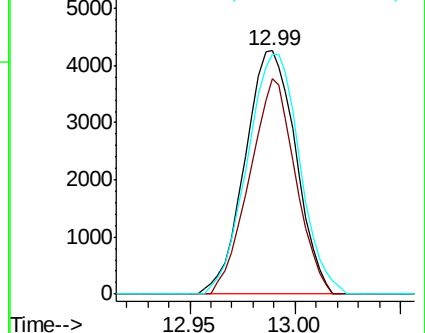
157 98.3 72.2 108.4

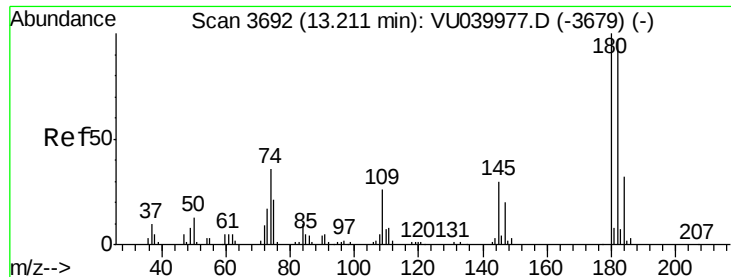


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

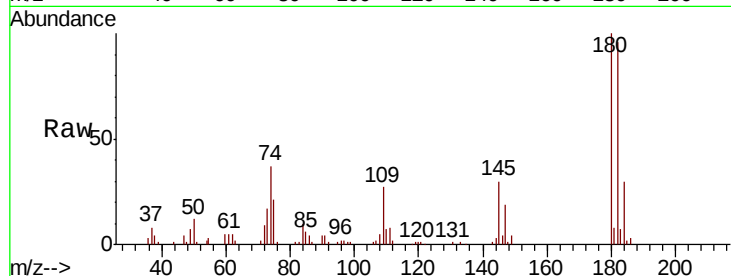




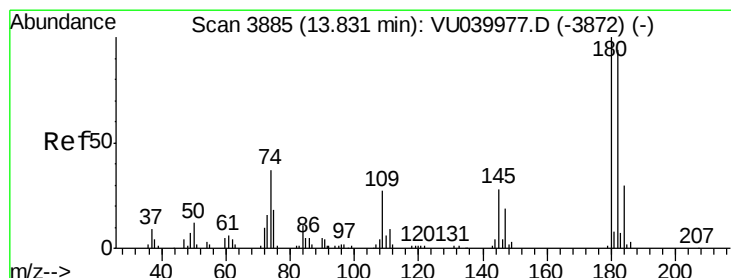
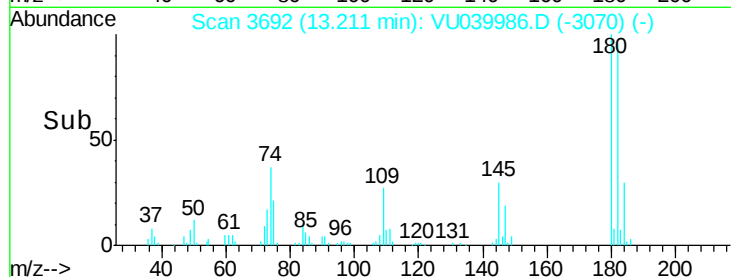
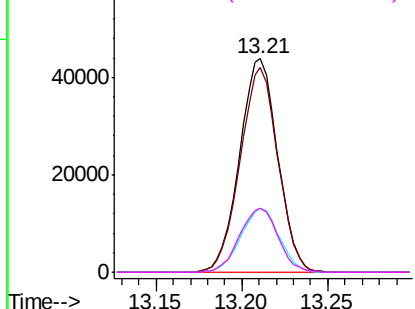
#67
 1,3,5-Trichlorobenzene
 Concen: 5.680 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039986.D
 Acq: 27 Aug 2020 11:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tot Ion:180 Resp: 67476
 Ion Ratio Lower Upper
 180 100
 182 94.9 79.2 118.8
 184 30.2 24.6 36.8
 145 30.4 25.7 38.5

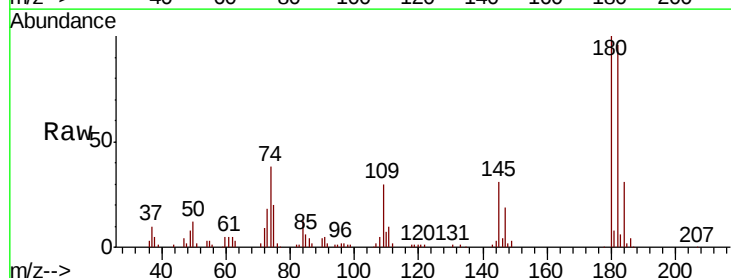


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

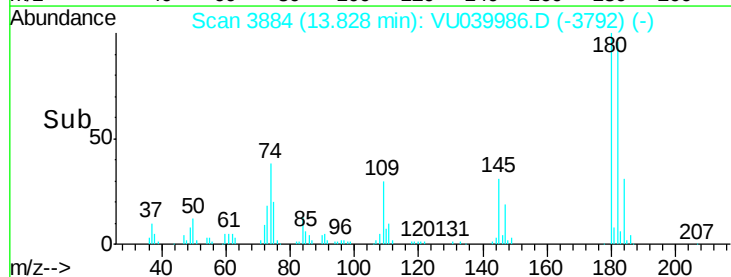
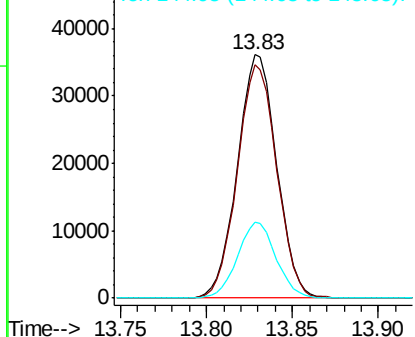


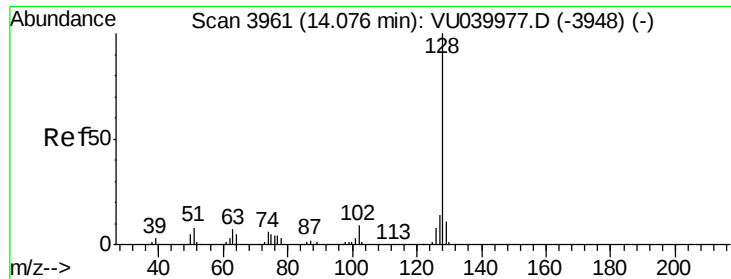
#68
 1,2,4-trichlorobenzene
 Concen: 5.632 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU039986.D
 Acq: 27 Aug 2020 11:14

Tgt Ion:180 Resp: 57074
 Ion Ratio Lower Upper
 180 100
 182 96.2 75.2 112.8
 145 30.4 24.6 36.8



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.151 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU039986.D

Acq: 27 Aug 2020 11:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

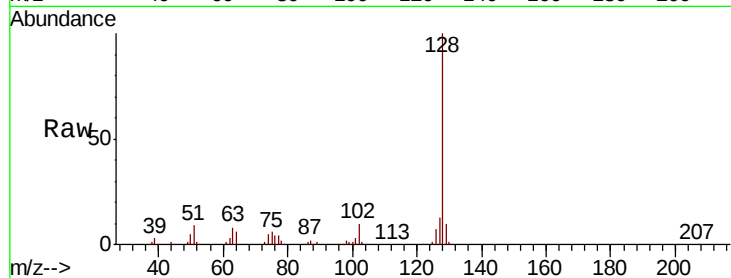
Tot Ion:128 Resp: 96425

Ion Ratio Lower Upper

128 100

129 10.6 8.5 12.7

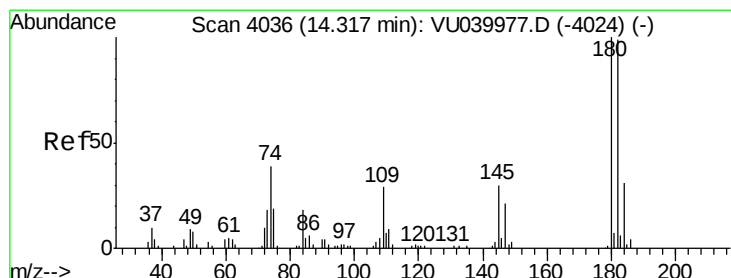
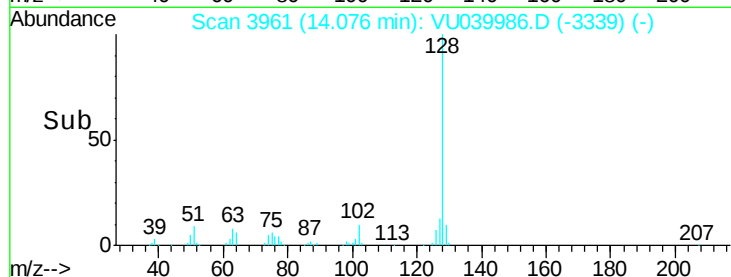
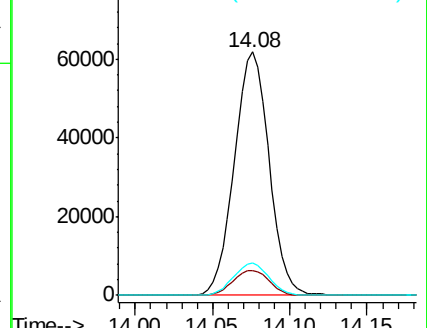
127 13.7 10.2 15.4



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: 5.558 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU039986.D

Acq: 27 Aug 2020 11:14

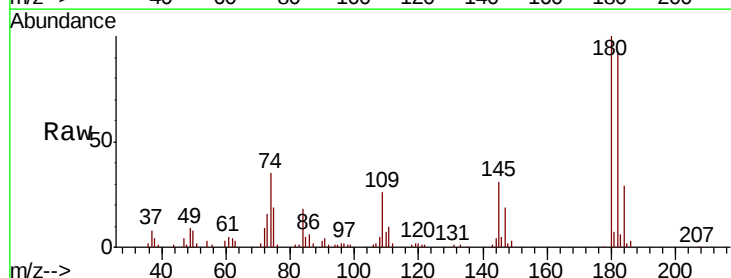
Tgt Ion:180 Resp: 52638

Ion Ratio Lower Upper

180 100

182 94.3 75.0 112.6

145 31.9 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

